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

Cover Page

Order ID : Q2177

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q2177-01	B-187-SB00
Q2177-02	B-187-SB01
Q2177-03	B-187-SB01
Q2177-04	B-187-SB02
Q2177-05	B-187-SB02
Q2177-06	B-202-SB01
Q2177-07	B-202-SB01
Q2177-08	EB05312025
Q2177-09	TB05312025

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 6/6/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2177
Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 06/02/2025.
2 Water samples were received on 06/02/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for TCLP Herbicide.

C. Analytical Techniques:
The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The analysis of TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.

E. Additional Comments:

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F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2177**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **PRATIK PATEL** **Date:** **06/06/2025**

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LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2177 **Order ID:** Q2177

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**				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS030475.D	PIBLK-PS030475.D	2,4-DCAA	1	500	414	83		70 (61)	130 (136)
		2,4-DCAA	2	500	445	89		70 (61)	130 (136)
I.BLK-PS030496.D	PIBLK-PS030496.D	2,4-DCAA	1	500	445	89		70 (61)	130 (136)
		2,4-DCAA	2	500	459	92		70 (61)	130 (136)
Q2173-06MS	OR-400-CF-402B-COMP-23MS	2,4-DCAA	1	500	635	127		70 (61)	130 (136)
		2,4-DCAA	2	500	449	90		70 (61)	130 (136)
Q2173-06MSD	OR-400-CF-402B-COMP-23MSD	2,4-DCAA	1	500	616	123		70 (61)	130 (136)
		2,4-DCAA	2	500	444	89		70 (61)	130 (136)
I.BLK-PS030505.D	PIBLK-PS030505.D	2,4-DCAA	1	500	442	88		70 (61)	130 (136)
		2,4-DCAA	2	500	460	92		70 (61)	130 (136)
Q2177-03	B-187-SB01	2,4-DCAA	1	500	486	97		70 (61)	130 (136)
		2,4-DCAA	2	500	411	82		70 (61)	130 (136)
Q2177-05	B-187-SB02	2,4-DCAA	1	500	438	88		70 (61)	130 (136)
		2,4-DCAA	2	500	409	82		70 (61)	130 (136)
Q2177-07	B-202-SB01	2,4-DCAA	1	500	464	93		70 (61)	130 (136)
		2,4-DCAA	2	500	425	85		70 (61)	130 (136)
PB168263BL	PB168263BL	2,4-DCAA	1	500	434	87		70 (61)	130 (136)
		2,4-DCAA	2	500	472	94		70 (61)	130 (136)
PB168263BS	PB168263BS	2,4-DCAA	1	500	510	102		70 (61)	130 (136)
		2,4-DCAA	2	500	506	101		70 (61)	130 (136)
PB168224TB	PB168224TB	2,4-DCAA	1	500	603	121		70 (61)	130 (136)
		2,4-DCAA	2	500	484	97		70 (61)	130 (136)
I.BLK-PS030515.D	PIBLK-PS030515.D	2,4-DCAA	1	500	447	89		70 (61)	130 (136)
		2,4-DCAA	2	500	460	92		70 (61)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2177 **Analytical Method:** 8151A

Client: Portal Partners Tri-Venture **DataFile :** PS030498.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OR-400-CF-402B-COMP-23MS**											
Q2173-06MS (Column 1)	2,4-D	50	0	50.6	ug/L	101				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	49.0	ug/L	98				70 (62)	130 (139)	
Client Sample ID:	**OR-400-CF-402B-COMP-23MS**											
Q2173-06MS (Column 2)	2,4-D	50	0	44.7	ug/L	89				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	45.9	ug/L	92				70 (62)	130 (139)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2177 **Analytical Method:** 8151A

Client: Portal Partners Tri-Venture **DataFile :** PS030499.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**OR-400-CF-402B-COMP-23MSD**											
Q2173-06MSD (Column 1)	2,4-D	50	0	49.8	ug/L	100		1		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	48.6	ug/L	97		1		70 (62)	130 (139)	20 (20)
Client Sample ID:	**OR-400-CF-402B-COMP-23MSD**											
Q2173-06MSD (Column 2)	2,4-D	50	0	42.4	ug/L	85		5		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	46.6	ug/L	93		1		70 (62)	130 (139)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177 **Analytical Method:** 8151A

Client: Portal Partners Tri-Venture **Datafile :** PS030511.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168263BS (Column 1)	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)	
PB168263BS (Column 2)	2,4-D	5	5.00	ug/L	100				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	4.90	ug/L	98				70 (78)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168263BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168263BL Lab File ID: PS030510.D

Matrix: (soil/water) water Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 06/03/2025

Date Analyzed (1): 06/05/2025 Date Analyzed (2): 06/05/2025

Time Analyzed (1): 02:04 Time Analyzed (2): 02:04

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
OR-400-CF-402B-COMP-23MS	Q2173-06MS	PS030498.D	06/04/2025	06/04/2025
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	PS030499.D	06/04/2025	06/04/2025
B-187-SB01	Q2177-03	PS030507.D	06/05/2025	06/05/2025
B-187-SB02	Q2177-05	PS030508.D	06/05/2025	06/05/2025
B-202-SB01	Q2177-07	PS030509.D	06/05/2025	06/05/2025
PB168263BS	PB168263BS	PS030511.D	06/05/2025	06/05/2025
PB168224TB	PB168224TB	PS030512.D	06/05/2025	06/05/2025

COMMENTS:

SAMPLE DATA

Raw Data: **PS030512.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PB168224TB	SDG No.:	Q2177
Lab Sample ID:	PB168224TB	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
PS030512.D	1	06/03/25 11:15	06/05/25 02:53	PB168263

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	603		70 (61) - 130 (136)	121%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:53
Operator : AR\AJ
Sample : PB168224TB
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168224TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.363	7.772	2275.7E6	520.7E6	602.803	484.121
	Target Compounds						

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

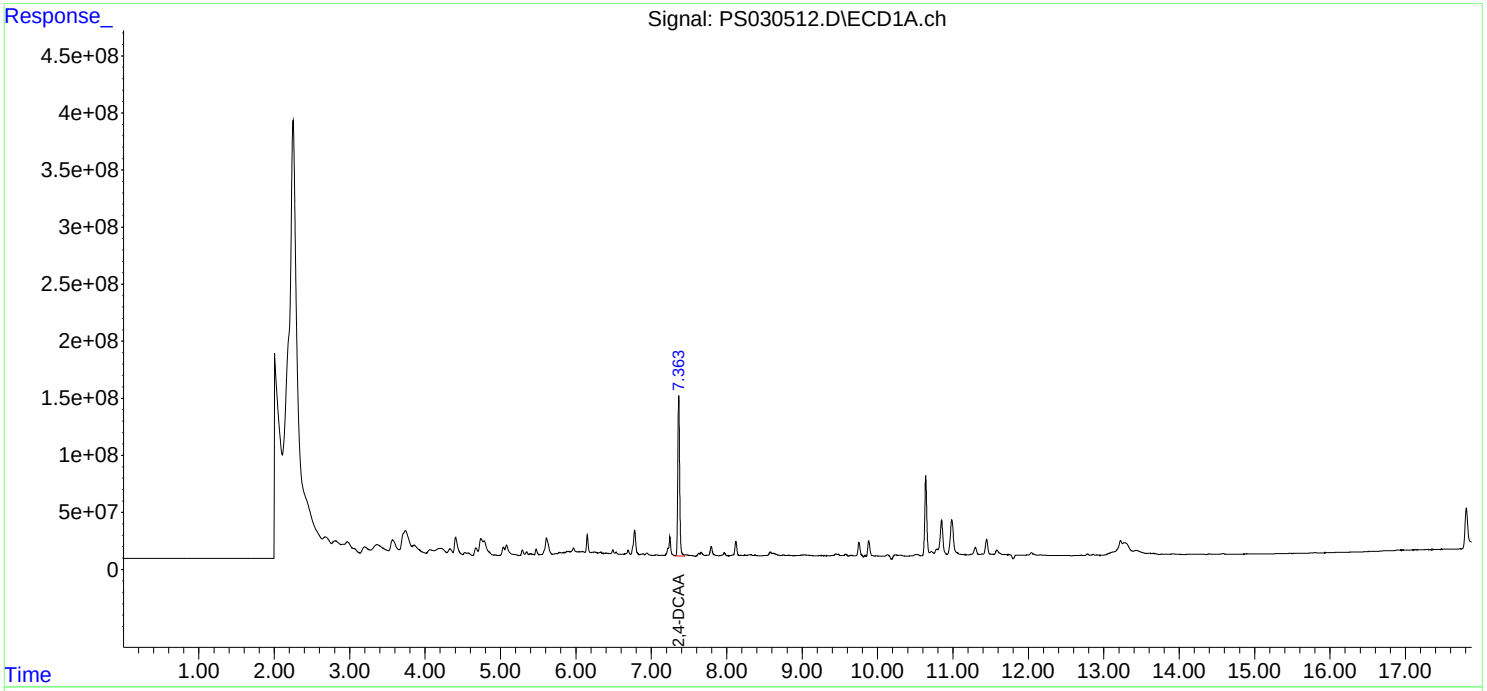
Sample Results: **PS030512.D**

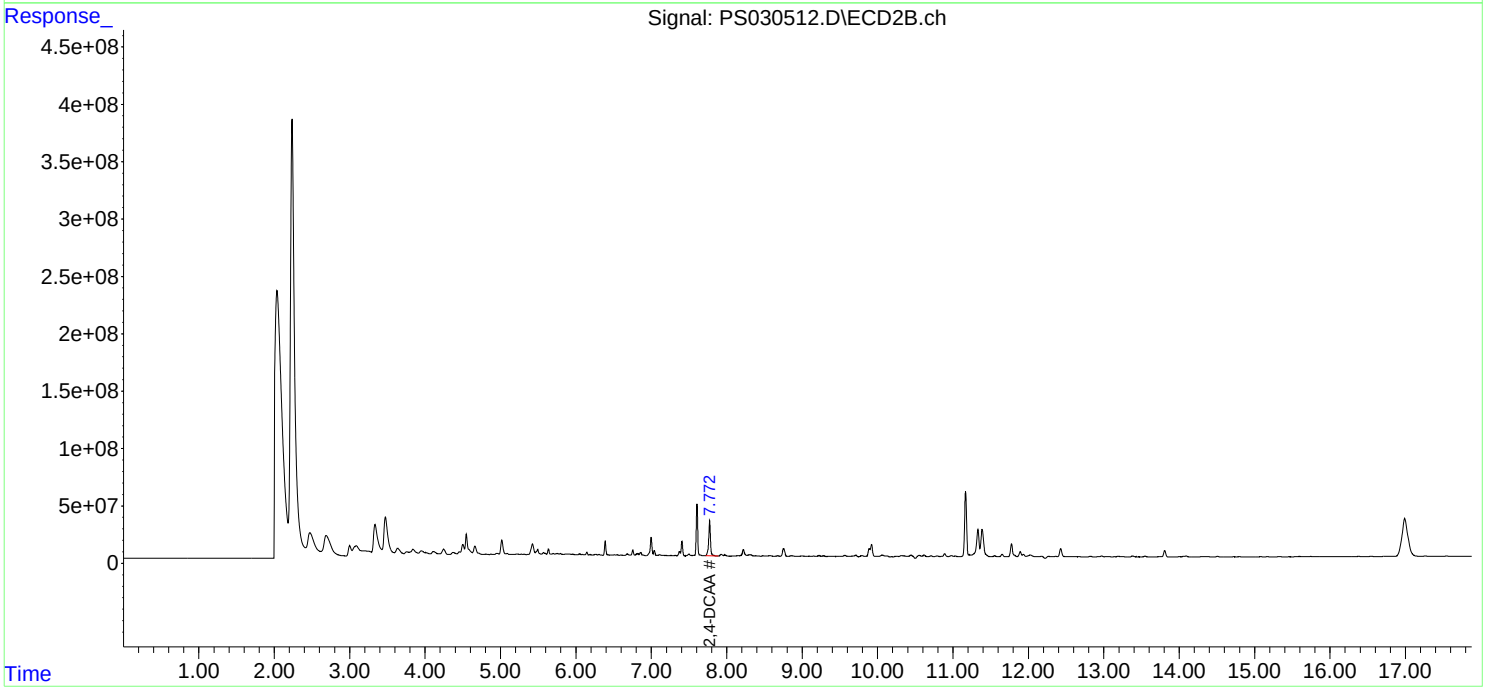
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:53
Operator : AR\AJ
Sample : PB168224TB
Misc :
ALS Vial : 26 Sample Multiplier: 1

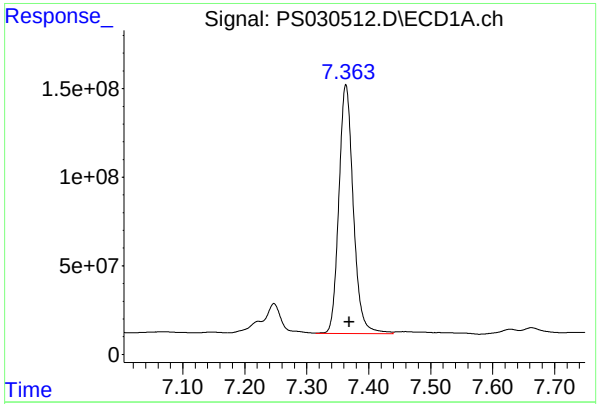
Instrument :
ECD_S
ClientSampleId :
PB168224TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



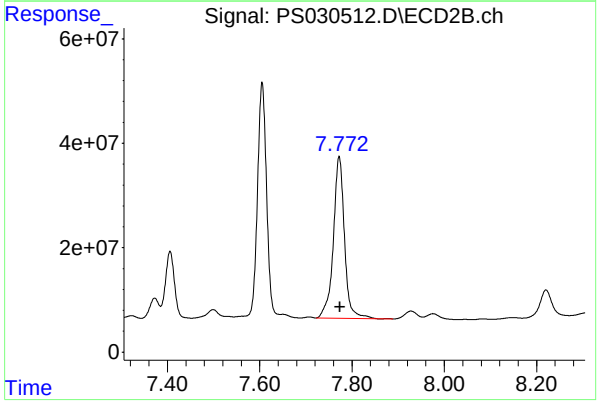




#4 2,4-DCAA

R.T.: 7.363 min
Delta R.T.: -0.006 mi
Response: 2275667047
Conc: 602.80 ng/m

Instrument :
ECD_S
ClientSampleId :
PB168224TB



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.002 min
Response: 520725267
Conc: 484.12 ng/ml

Raw Data: **PS030507.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-03	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
PS030507.D	1	06/03/25 11:15	06/05/25 00:52	PB168263

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	486		70 (61) - 130 (136)	97%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PS030507.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030507.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 00:52
Operator : AR\AJ
Sample : Q2177-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
B-187-SB01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	1835.4E6	442.5E6	486.187	411.387m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030507.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 00:52
Operator : AR\AJ
Sample : Q2177-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

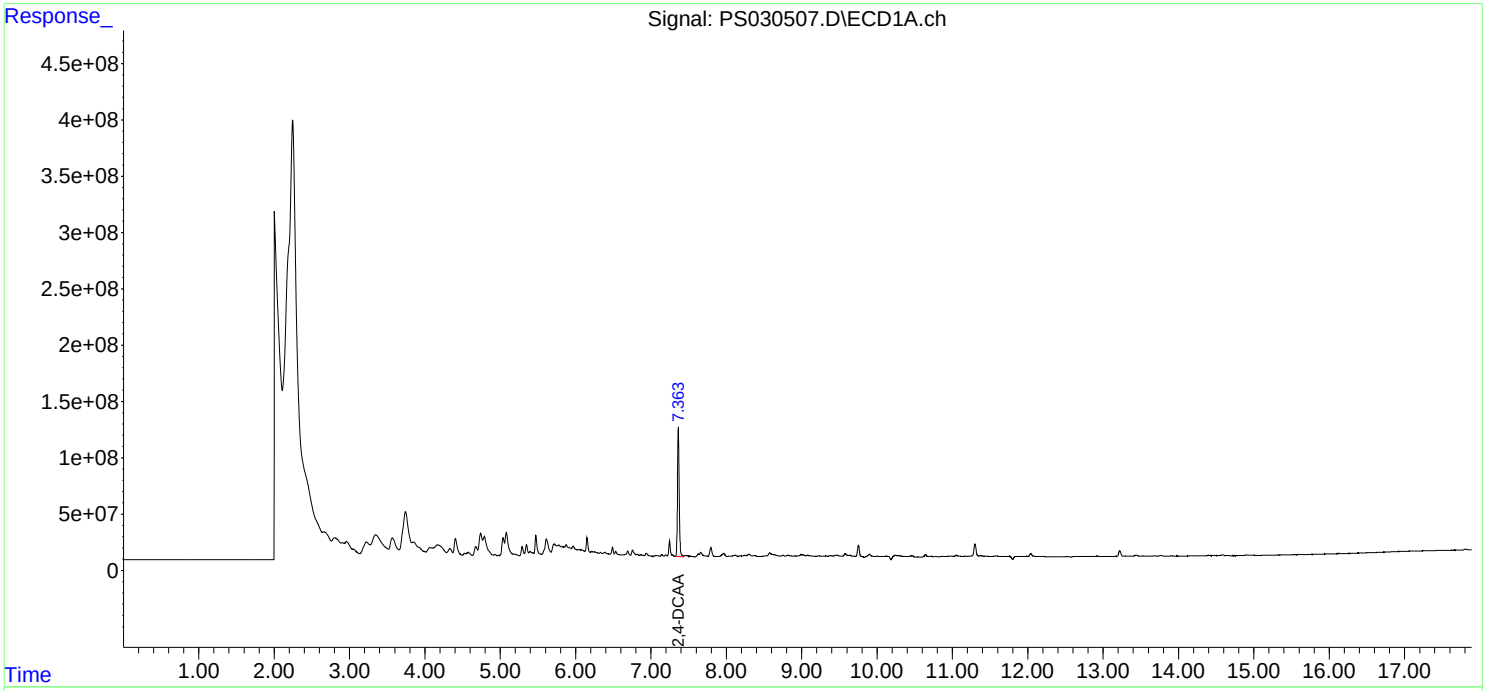
Instrument :
ECD_S
ClientSampleId :
B-187-SB01

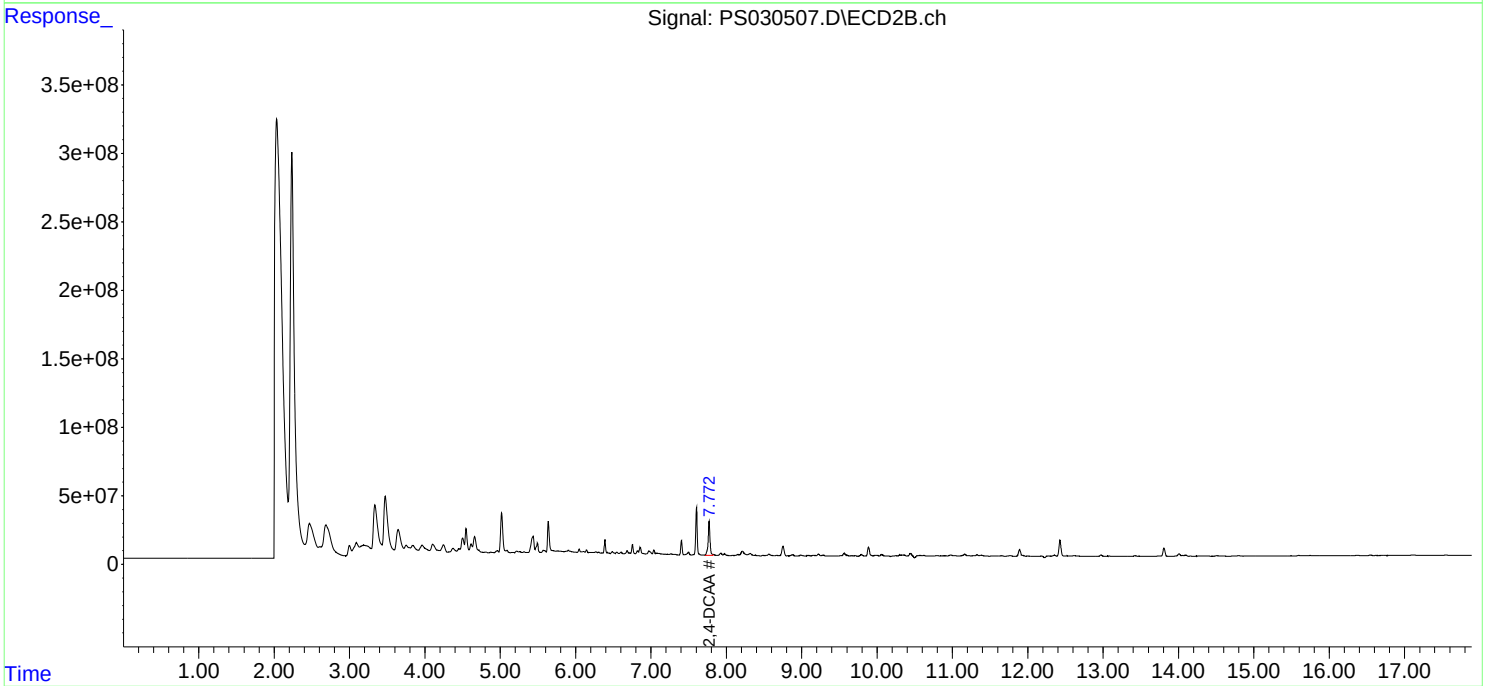
Manual Integrations APPROVED

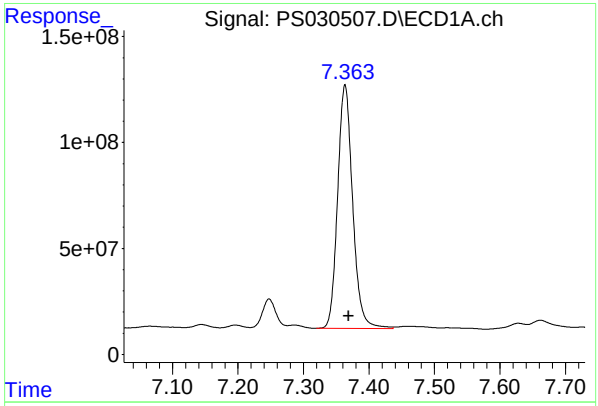
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:42:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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







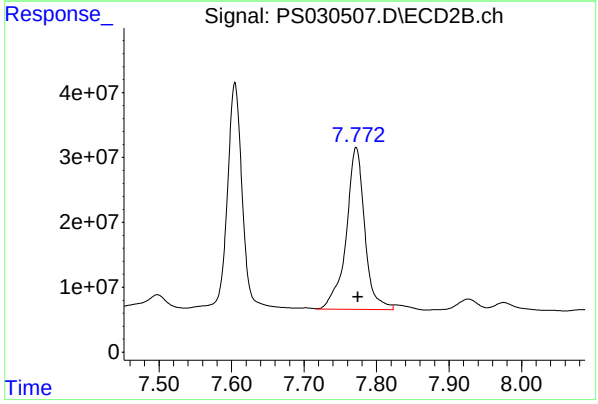
#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 mi
Response: 1835426921
Conc: 486.19 ng/m

Instrument :
ECD_S
ClientSampleId :
B-187-SB01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 442492542
Conc: 411.39 ng/ml m

Raw Data: **PS030508.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-05	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
PS030508.D	1	06/03/25 11:15	06/05/25 01:16	PB168263

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	438		70 (61) - 130 (136)	88%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030508.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 01:16
Operator : AR\AJ
Sample : Q2177-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
B-187-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.363	7.771	1653.0E6	440.0E6	437.875	409.047
	Target Compounds						

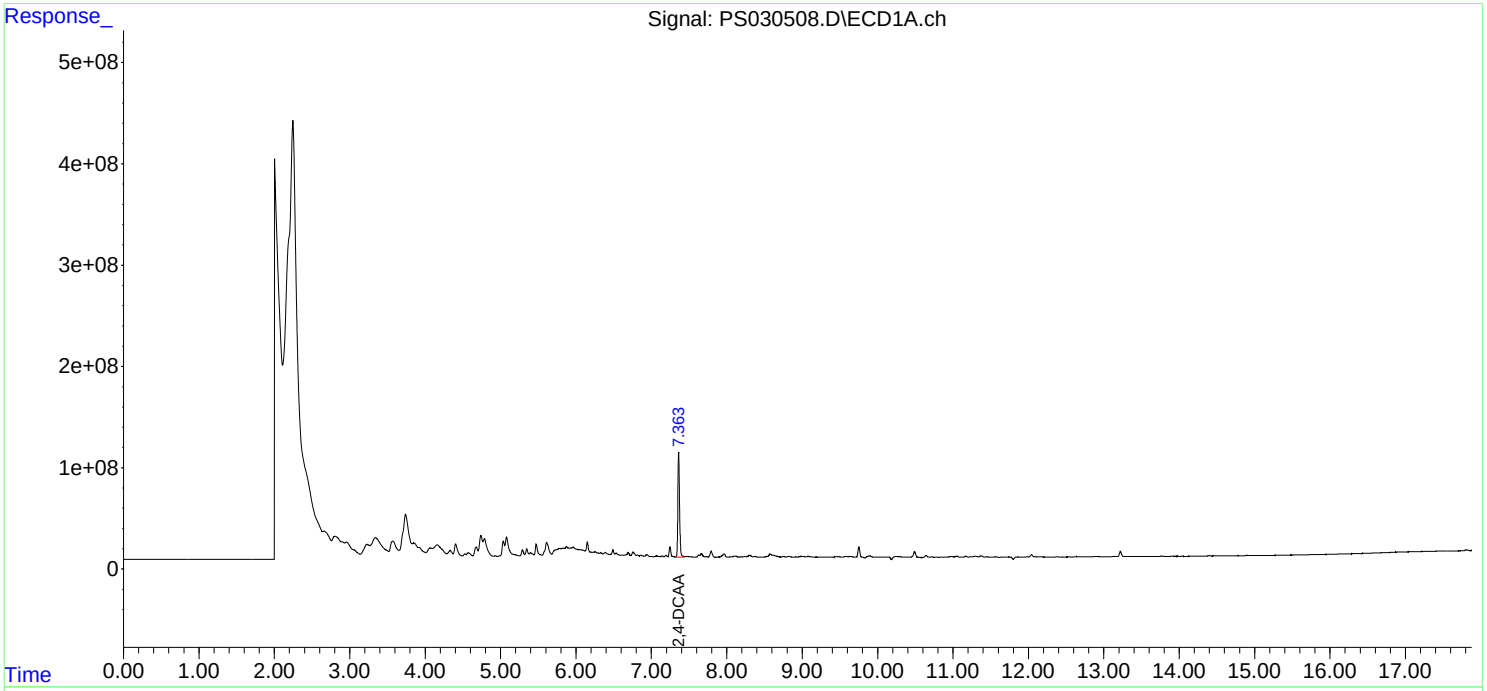
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

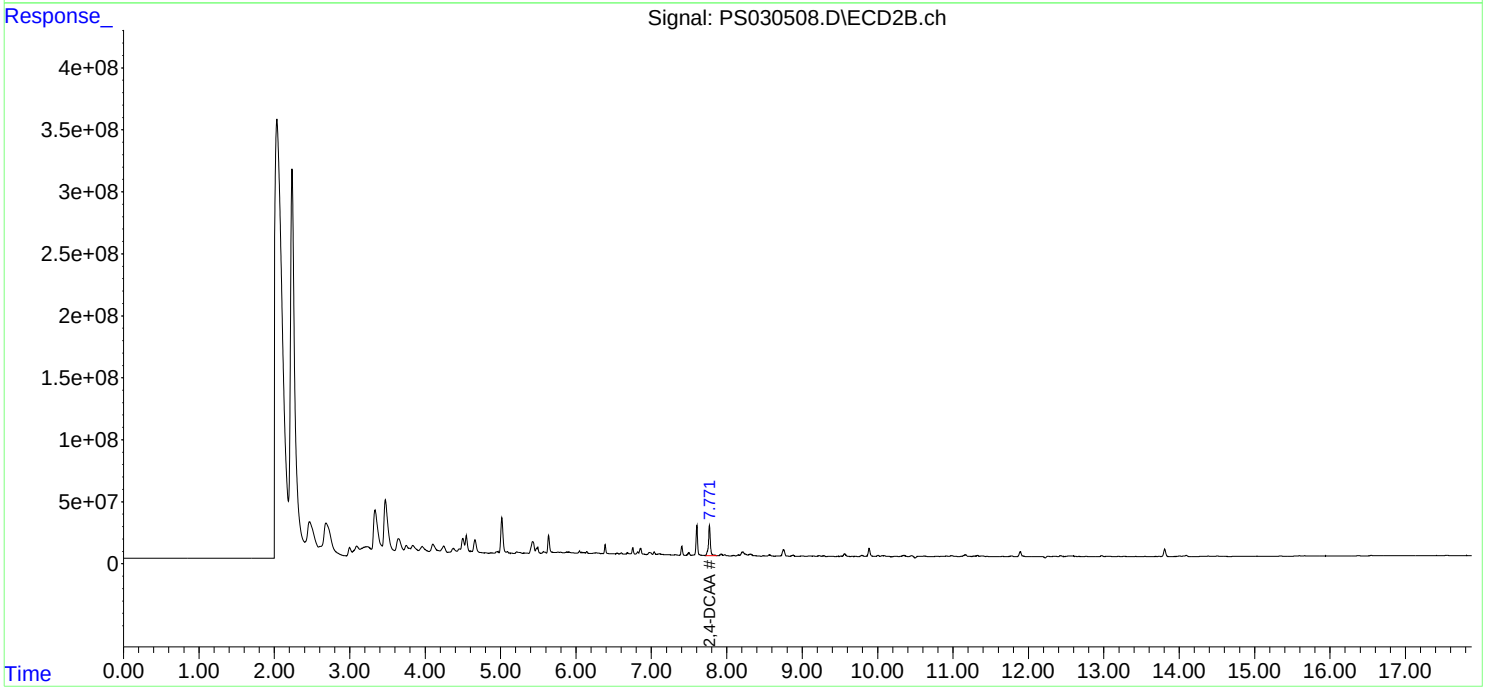
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030508.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 01:16
Operator : AR\AJ
Sample : Q2177-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

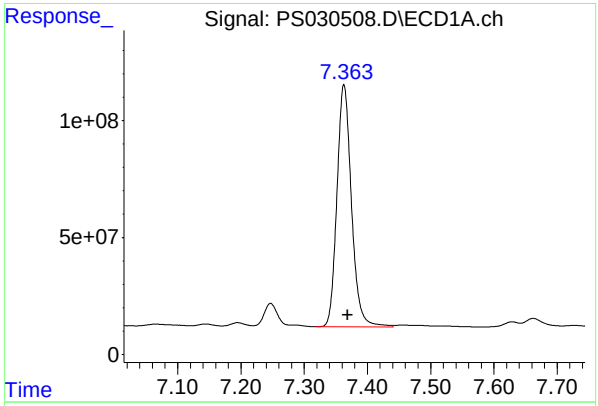
Instrument :
ECD_S
ClientSampleId :
B-187-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



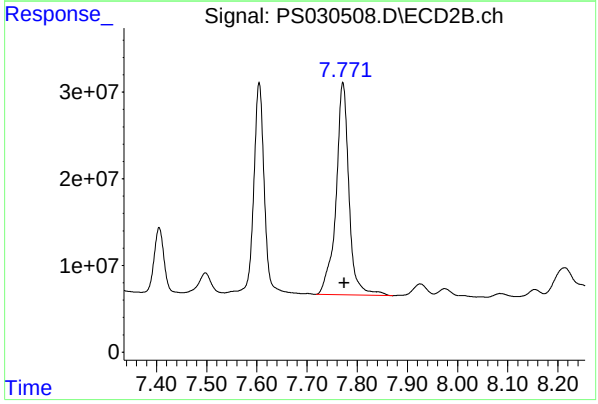




#4 2,4-DCAA

R.T.: 7.363 min
Delta R.T.: -0.006 min
Response: 1653041824
Conc: 437.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
B-187-SB02



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: -0.003 min
Response: 439975322
Conc: 409.05 ng/ml

Raw Data: **PS030509.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-07	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
PS030509.D	1	06/03/25 11:15	06/05/25 01:40	PB168263

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	464		70 (61) - 130 (136)	93%	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

Sample Results: **PS030509.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 01:40
Operator : AR\AJ
Sample : Q2177-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
B-202-SB01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.771	1750.3E6	457.6E6	463.646	425.454m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 01:40
Operator : AR\AJ
Sample : Q2177-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

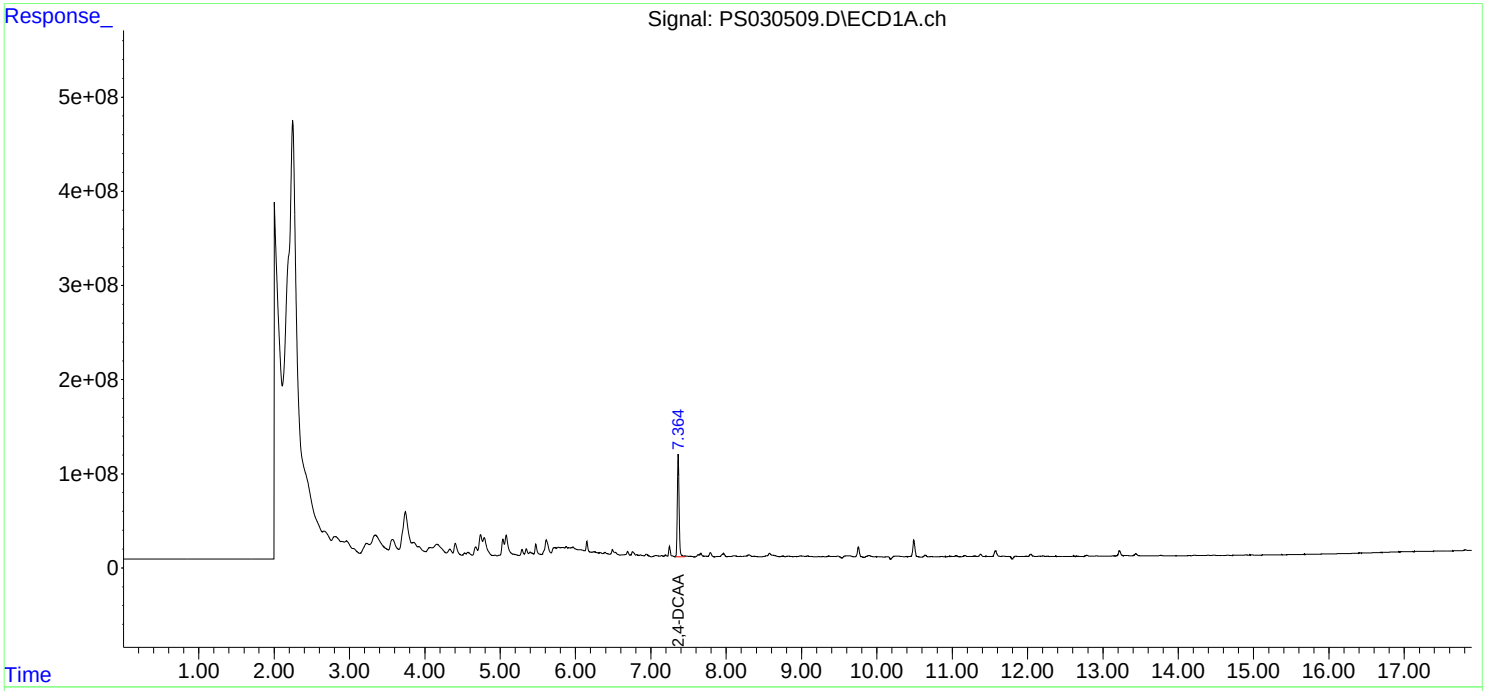
Instrument :
ECD_S
ClientSampleId :
B-202-SB01

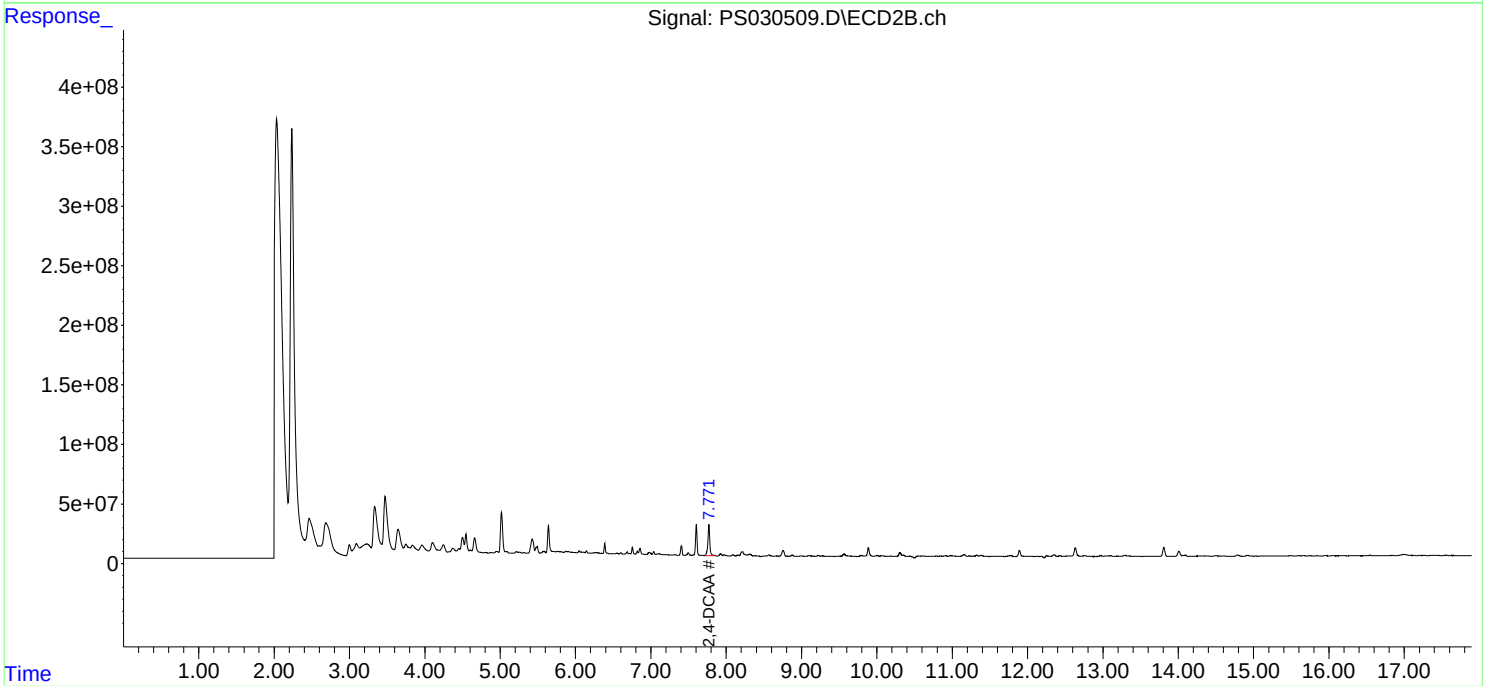
Manual Integrations APPROVED

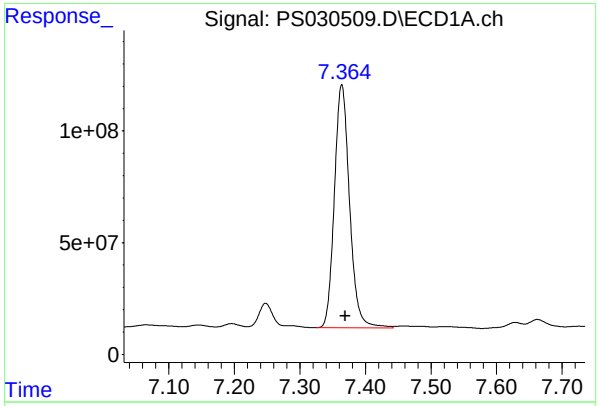
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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







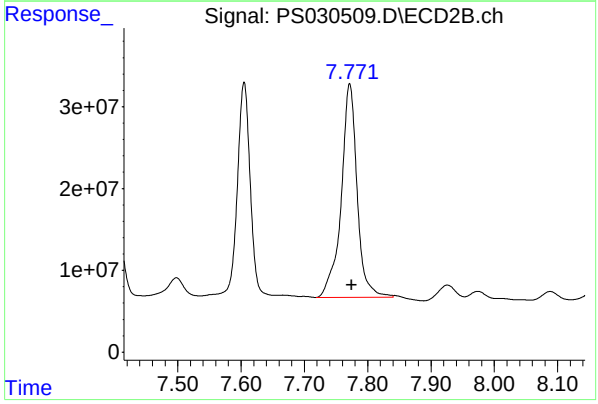
#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 mi
Response: 1750330467
Conc: 463.65 ng/m

Instrument :
ECD_S
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: -0.003 min
Response: 457623057
Conc: 425.45 ng/ml m

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

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

LAB FILE ID: RT 200 = PS030476.D RT 500 = PS030477.D

RT 750 = PS030478.D RT 1000 = PS030479.D RT 1500 = PS030480.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.40	9.40	9.40	9.40	9.40	9.40	9.30	9.50
2,4-D	8.51	8.51	8.51	8.51	8.51	8.51	8.41	8.61
2,4-DCAA	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

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

LAB FILE ID: RT 200 = PS030476.D RT 500 = PS030477.D

RT 750 = PS030478.D RT 1000 = PS030479.D RT 1500 = PS030480.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.94	9.94	9.94	9.94	9.94	9.94	9.84	10.04
2,4-D	9.03	9.03	9.03	9.04	9.04	9.03	8.93	9.13
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

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

LAB FILE ID: **CF 200 =** PS030476.D **CF 500 =** PS030477.D

CF 750 = PS030478.D **CF 1000 =** PS030479.D **CF 1500 =** PS030480.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	23444500000	20930200000	20252400000	19918900000	18779400000	20665100000	8
2,4-D	4208920000	3650560000	3531620000	3494410000	3332550000	3643610000	9
2,4-DCAA	4505990000	3745160000	3587820000	3627070000	3409690000	3775150000	11

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

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

LAB FILE ID: **CF 200 =** PS030476.D **CF 500 =** PS030477.D

CF 750 = PS030478.D **CF 1000 =** PS030479.D **CF 1500 =** PS030480.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	15627400000	13837500000	13337200000	13203400000	12578300000	13716700000	8
2,4-D	1858730000	1575260000	1504430000	1488570000	1434610000	1572320000	11
2,4-DCAA	1341960000	1066160000	1011260000	997042000	961634000	1075610000	14

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030476.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:19
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:16:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 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	7.369	7.773	901.2E6	268.4E6	233.974m	243.085
		Target Compounds						
1)	T	Dalapon	2.715	2.710	1207.7E6	582.1E6	209.575	208.784
2)	T	3,5-DICHL...	6.525	6.716	1200.9E6	343.3E6	215.635	214.990
3)	T	4-Nitroph...	7.168	7.303	384.4E6	320.3E6	205.814	202.067
5)	T	DICAMBA	7.561	7.978	3298.5E6	1351.8E6	209.643	207.265
6)	T	MCPP	7.741	8.073	169.2E6	43441130	17.402	18.810
7)	T	MCPA	7.891	8.321	242.4E6	61640116	19.153	20.256m
8)	T	DICHLORPROP	8.279	8.698	820.2E6	336.5E6	220.037	221.417
9)	T	2,4-D	8.511	9.034	791.3E6	349.4E6	212.630	217.483
10)	T	Pentachlo...	8.820	9.560	11762.3E6	7856.5E6	216.630	210.064
11)	T	2,4,5-TP ...	9.404	9.941	4454.5E6	2969.2E6	210.747	212.066
12)	T	2,4,5-T	9.698	10.368	3820.9E6	2807.7E6	203.830	210.935
13)	T	2,4-DB	10.279	10.936	605.5E6	252.6E6	198.542	215.793
14)	T	DINOSEB	11.502	11.322	3060.7E6	2115.3E6	208.620	207.224
15)	T	Picloram	11.306	12.430	3963.9E6	4392.5E6	197.107	197.224
16)	T	DCPA	11.798	12.366	5846.4E6	4416.8E6	215.285	211.221

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030476.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:19
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

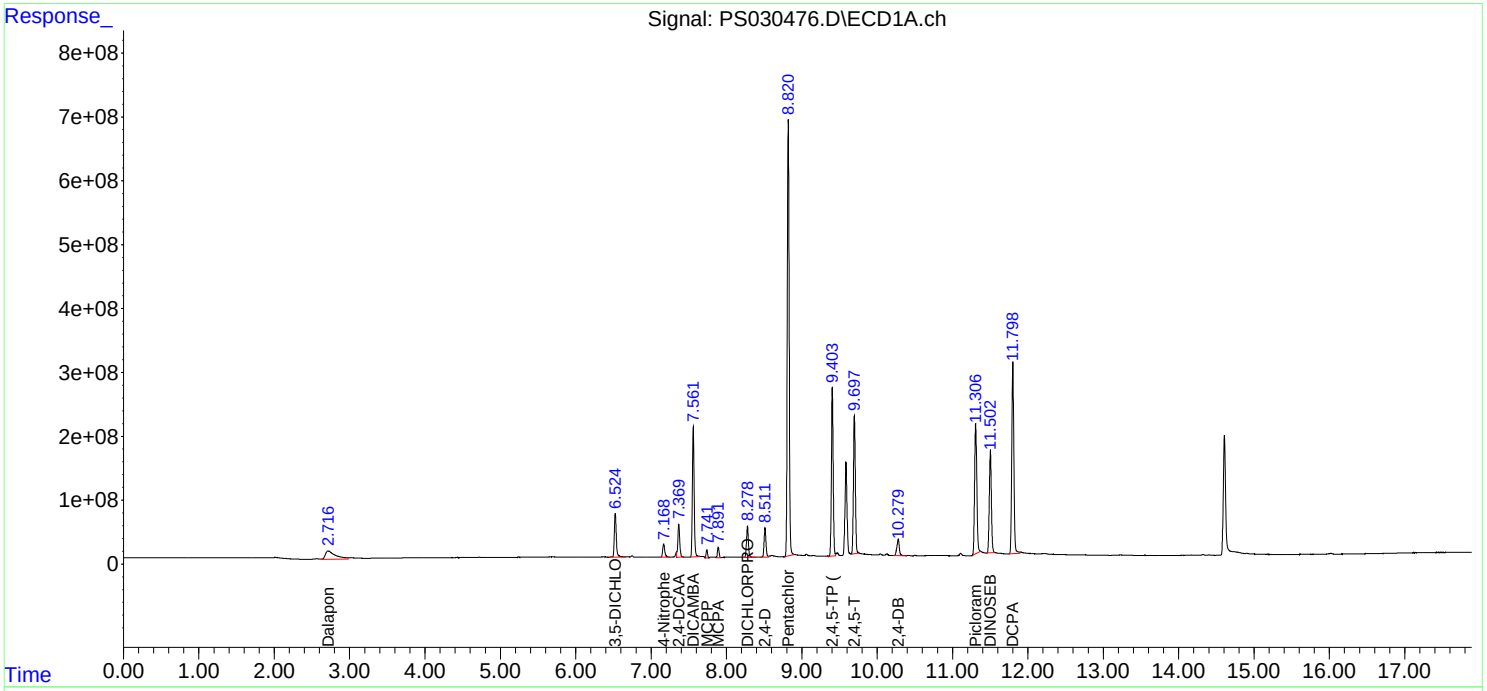
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

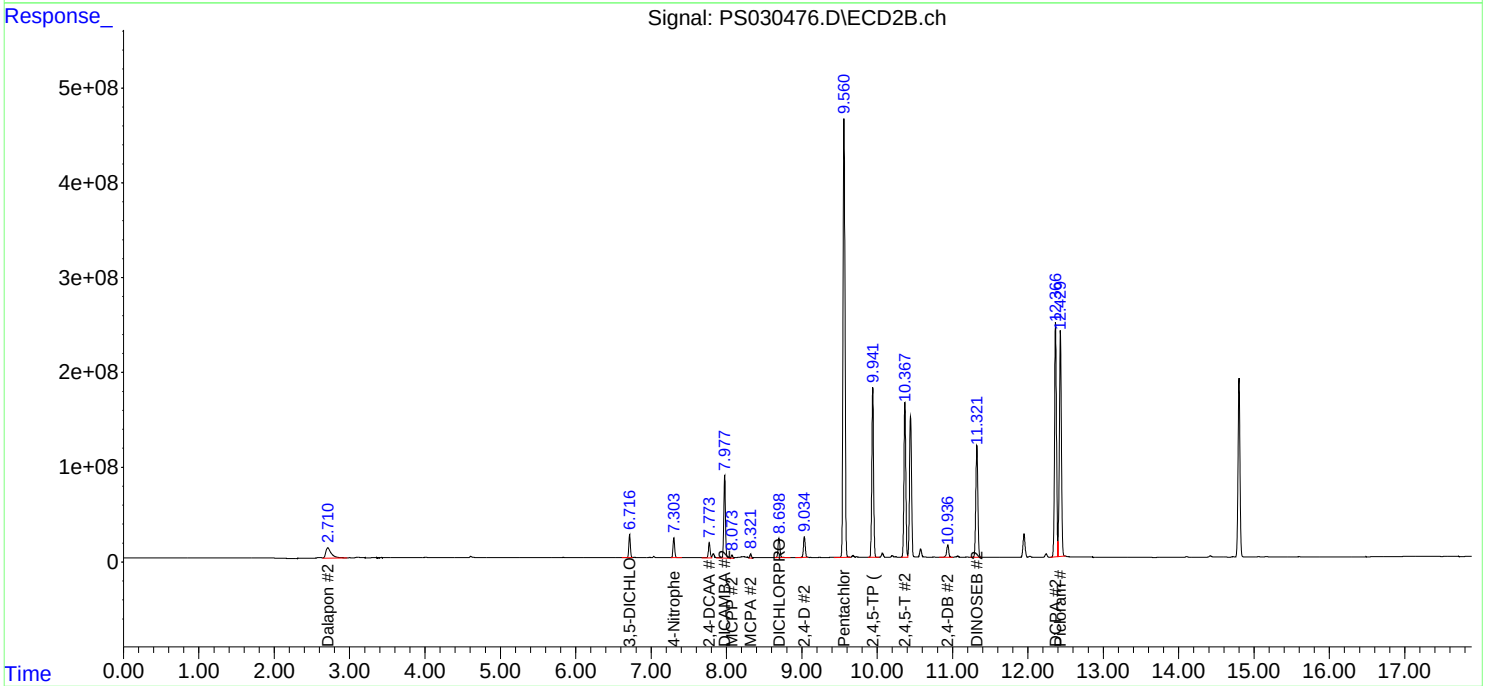
Manual Integrations APPROVED

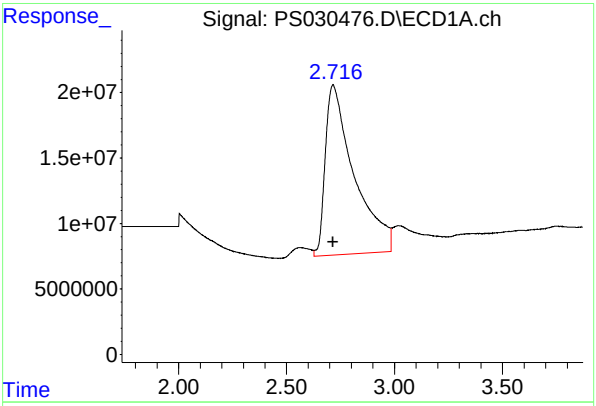
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:16:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 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







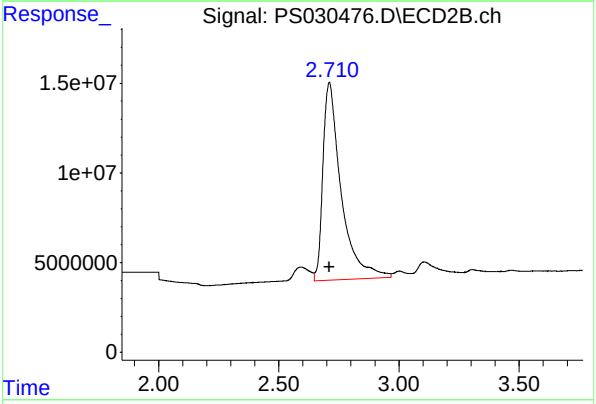
#1 Dalapon

R.T.: 2.715 min
Delta R.T.: 0.000 min
Response: 1207680158
Conc: 209.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

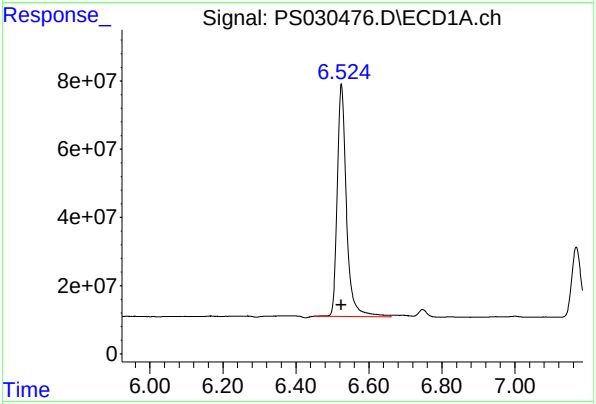
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



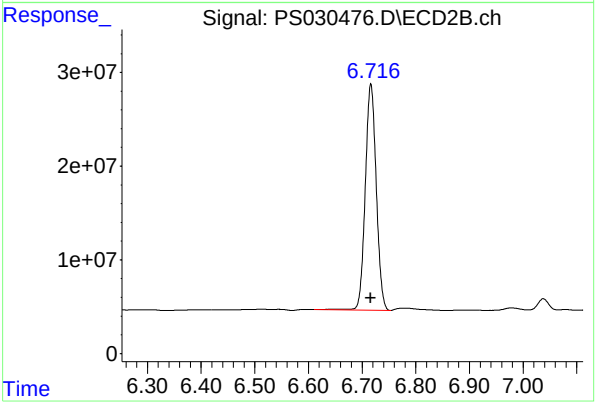
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 582108833
Conc: 208.78 ng/ml



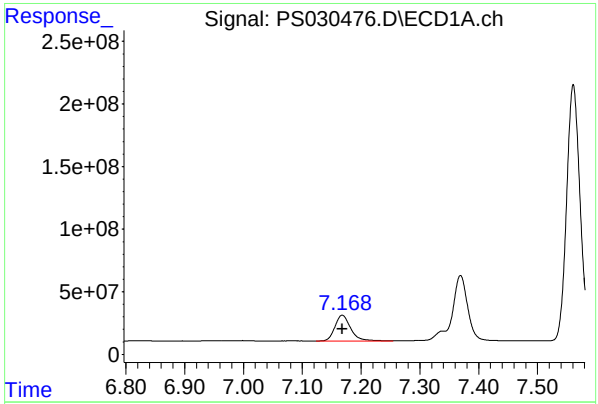
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 1200871187
Conc: 215.64 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 343318212
Conc: 214.99 ng/ml



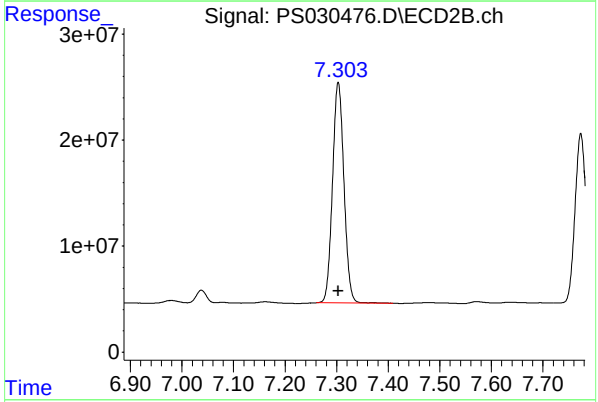
#3 4-Nitrophenol

R.T.: 7.168 min
Delta R.T.: 0.000 mi
Response: 384365931
Conc: 205.81 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

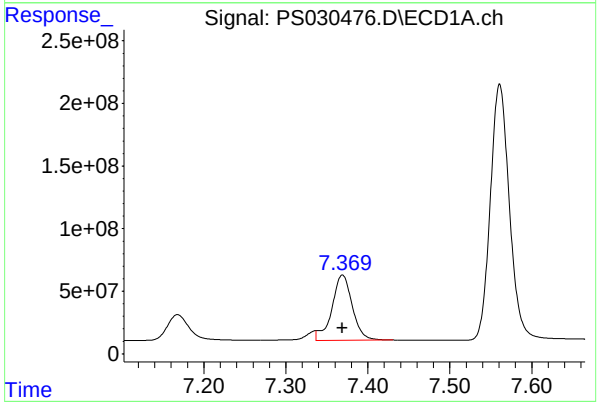
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



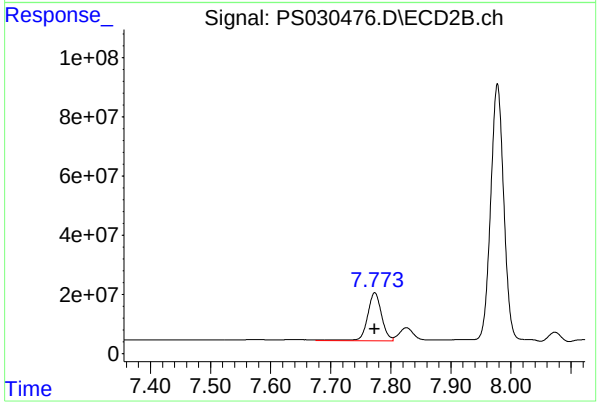
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: 0.000 min
Response: 320266147
Conc: 202.07 ng/ml



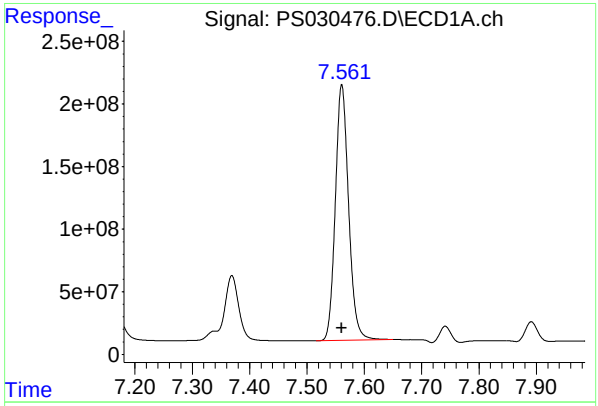
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 901197165
Conc: 233.97 ng/ml m



#4 2,4-DCAA

R.T.: 7.773 min
Delta R.T.: 0.000 min
Response: 268391079
Conc: 243.08 ng/ml



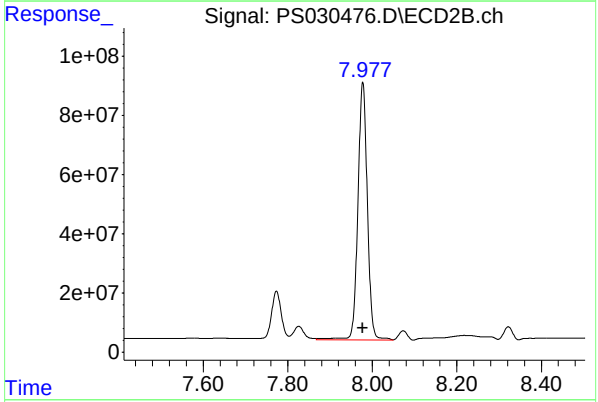
#5 DICAMBA

R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 3298523437
Conc: 209.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

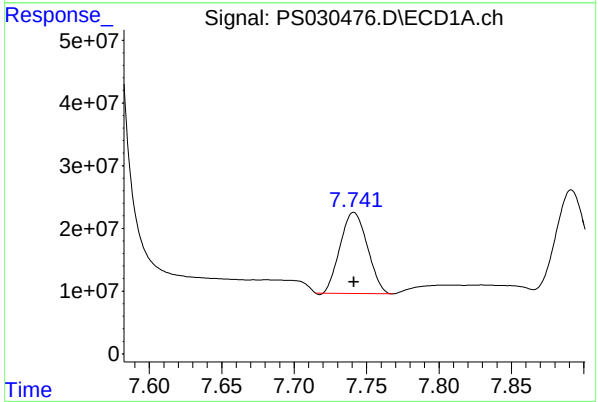
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



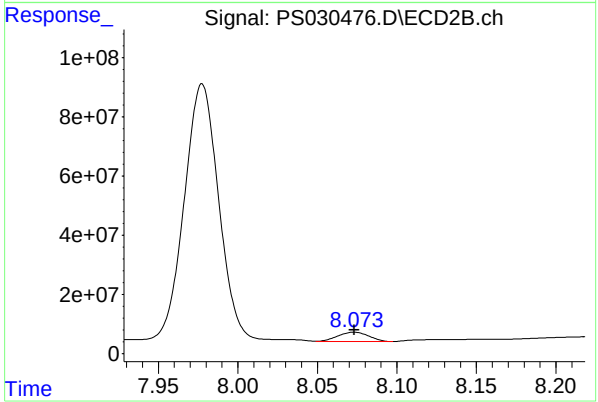
#5 DICAMBA

R.T.: 7.978 min
Delta R.T.: 0.000 min
Response: 1351824498
Conc: 207.26 ng/ml



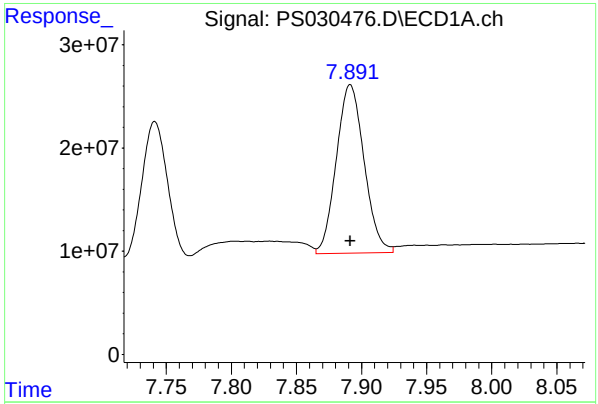
#6 MCPP

R.T.: 7.741 min
Delta R.T.: 0.000 min
Response: 169233666
Conc: 17.40 ug/ml



#6 MCPP

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 43441130
Conc: 18.81 ug/ml



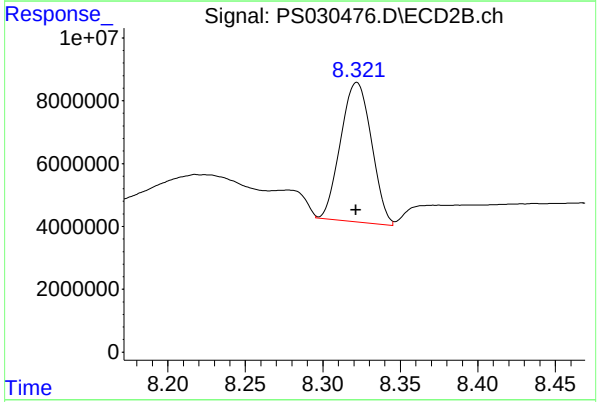
#7 MCPA

R.T.: 7.891 min
Delta R.T.: 0.000 mi
Response: 242376816
Conc: 19.15 ug/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

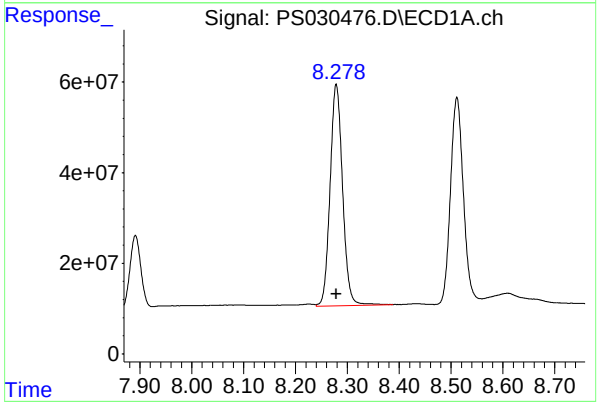
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



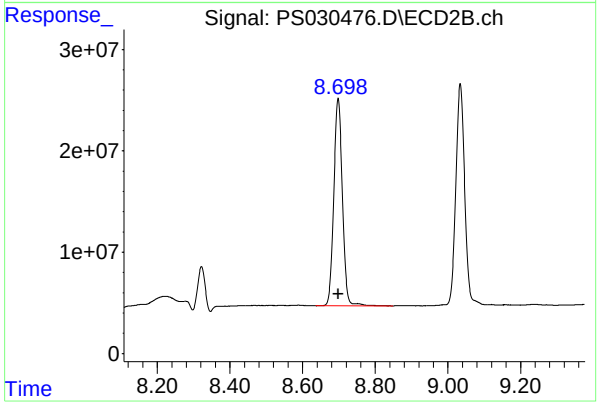
#7 MCPA

R.T.: 8.321 min
Delta R.T.: 0.000 min
Response: 61640116
Conc: 20.26 ug/ml m



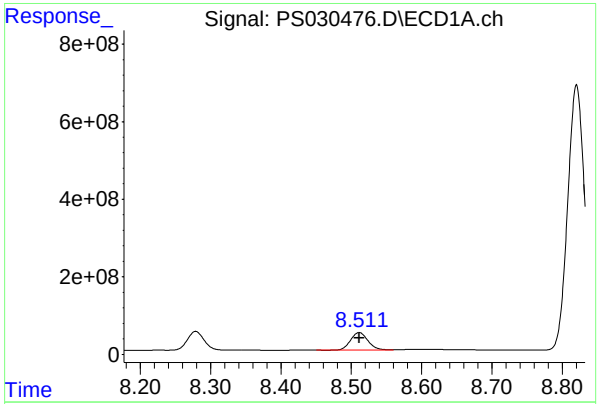
#8 DICHLORPROP

R.T.: 8.279 min
Delta R.T.: 0.000 min
Response: 820245511
Conc: 220.04 ng/ml



#8 DICHLORPROP

R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 336497495
Conc: 221.42 ng/ml



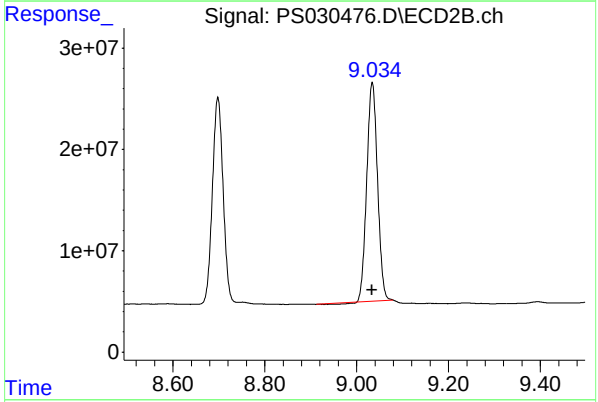
#9 2,4-D

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 791276840
Conc: 212.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

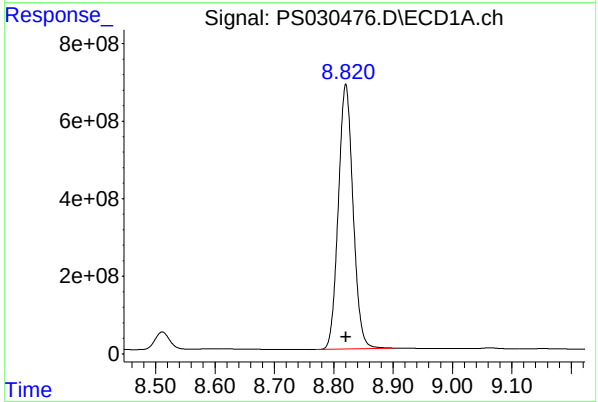
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



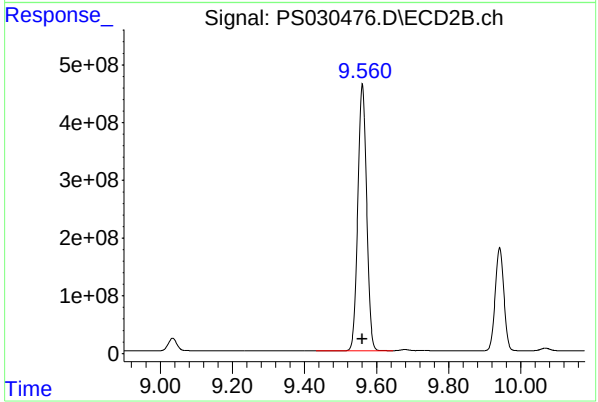
#9 2,4-D

R.T.: 9.034 min
Delta R.T.: 0.000 min
Response: 349440789
Conc: 217.48 ng/ml



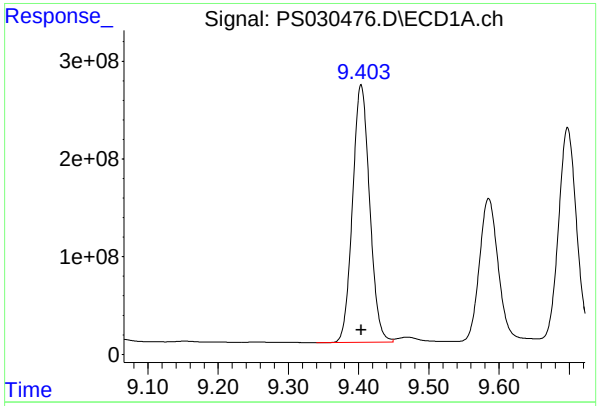
#10 Pentachlorophenol

R.T.: 8.820 min
Delta R.T.: 0.000 min
Response: 11762296337
Conc: 216.63 ng/ml



#10 Pentachlorophenol

R.T.: 9.560 min
Delta R.T.: 0.000 min
Response: 7856547031
Conc: 210.06 ng/ml



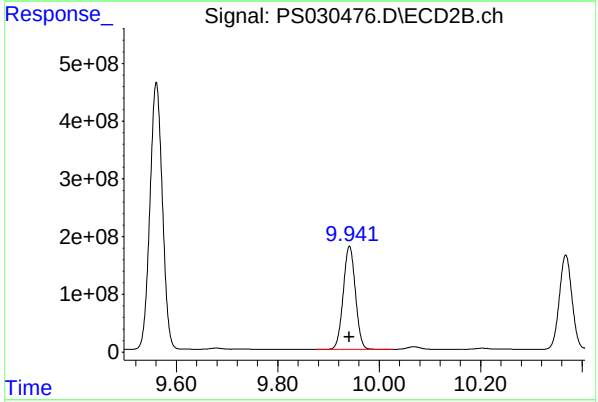
#11 2,4,5-TP (SILVEX)

R.T.: 9.404 min
Delta R.T.: 0.000 min
Response: 4454457487
Conc: 210.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

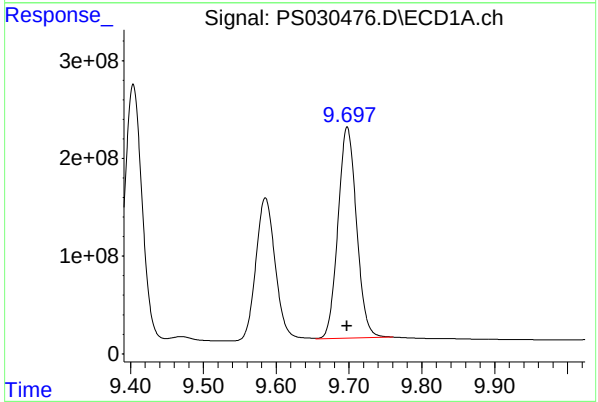
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



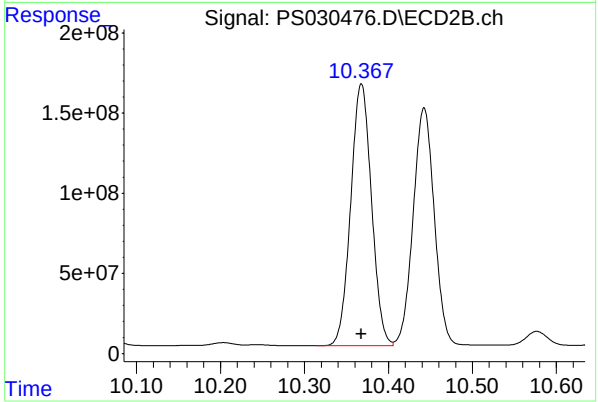
#11 2,4,5-TP (SILVEX)

R.T.: 9.941 min
Delta R.T.: 0.000 min
Response: 2969209355
Conc: 212.07 ng/ml



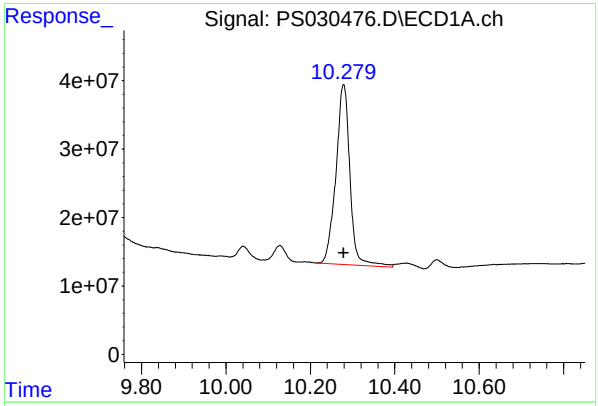
#12 2,4,5-T

R.T.: 9.698 min
Delta R.T.: 0.000 min
Response: 3820945352
Conc: 203.83 ng/ml



#12 2,4,5-T

R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 2807666139
Conc: 210.93 ng/ml



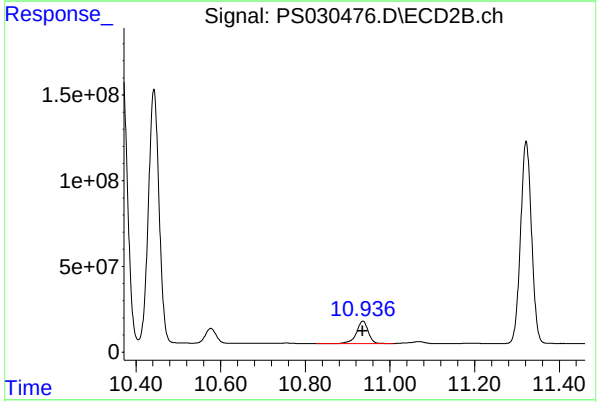
#13 2,4-DB

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 605536275
Conc: 198.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

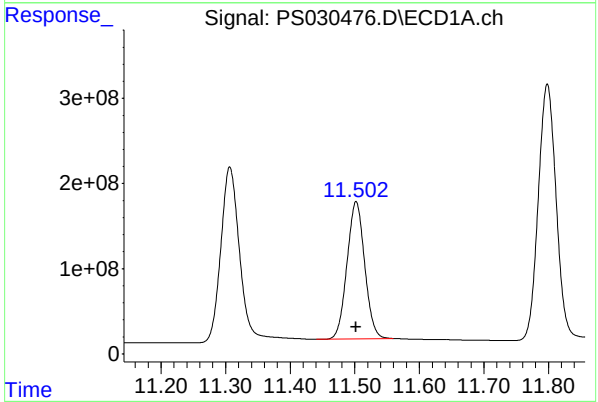
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



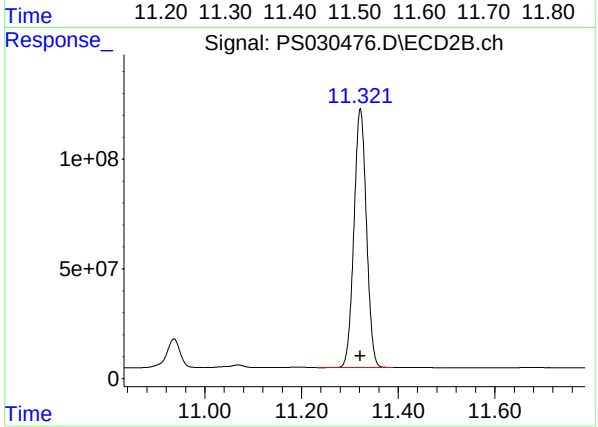
#13 2,4-DB

R.T.: 10.936 min
Delta R.T.: 0.000 min
Response: 252633065
Conc: 215.79 ng/ml



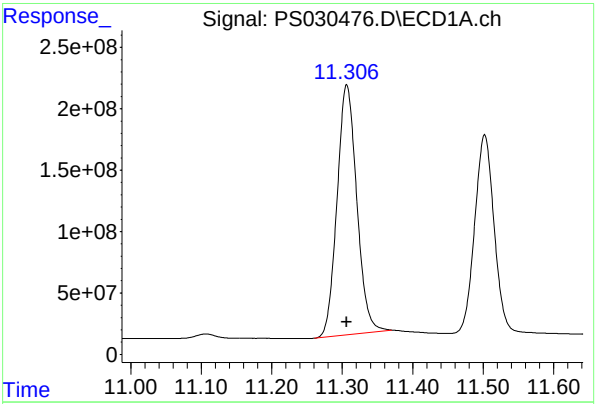
#14 DINOSEB

R.T.: 11.502 min
Delta R.T.: 0.000 min
Response: 3060695980
Conc: 208.62 ng/ml



#14 DINOSEB

R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 2115288757
Conc: 207.22 ng/ml



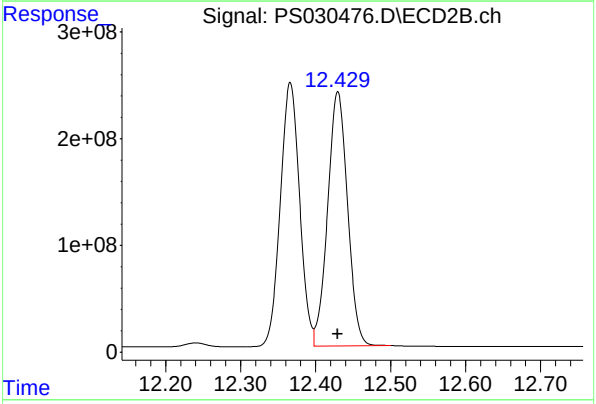
#15 Picloram

R.T.: 11.306 min
Delta R.T.: 0.000 min
Response: 3963852051
Conc: 197.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

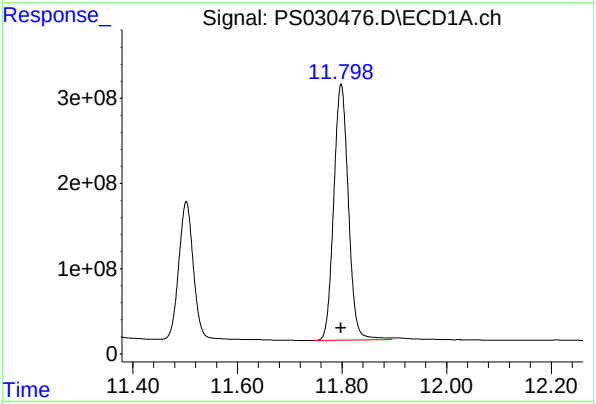
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



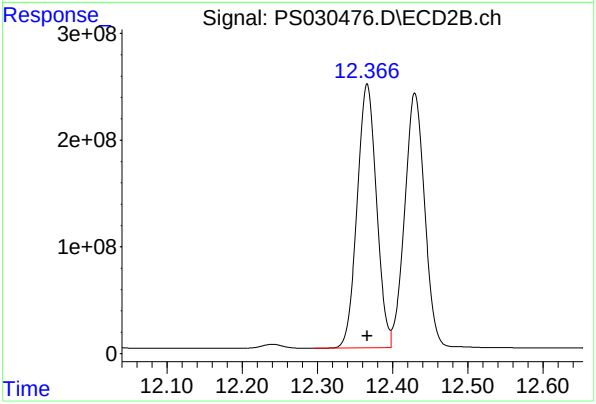
#15 Picloram

R.T.: 12.430 min
Delta R.T.: 0.000 min
Response: 4392538155
Conc: 197.22 ng/ml



#16 DCPA

R.T.: 11.798 min
Delta R.T.: 0.000 min
Response: 5846422031
Conc: 215.29 ng/ml



#16 DCPA

R.T.: 12.366 min
Delta R.T.: 0.000 min
Response: 4416759938
Conc: 211.22 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030477.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:43
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:14:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 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	7.368	7.773	1872.6E6	533.1E6	511.607m	520.170
		Target Compounds						
1)	T	Dalapon	2.717	2.710	2560.4E6	1234.9E6	467.947	465.766
2)	T	3,5-DICHL...	6.524	6.716	2562.3E6	728.7E6	485.913	481.317
3)	T	4-Nitroph...	7.167	7.303	829.3E6	702.4E6	464.307	460.071
5)	T	DICAMBA	7.561	7.977	7300.1E6	3000.7E6	482.484	476.337
6)	T	MCPP	7.743	8.075	450.4E6	107.6E6	45.195	46.603
7)	T	MCPA	7.893	8.324	573.4E6	134.2E6	45.768	45.169
8)	T	DICHLORPROP	8.278	8.698	1709.6E6	695.7E6	486.246	486.593
9)	T	2,4-D	8.511	9.034	1715.8E6	740.4E6	482.111	486.207
10)	T	Pentachlo...	8.820	9.560	26104.6E6	17662.2E6	504.340	489.472
11)	T	2,4,5-TP ...	9.403	9.942	9941.8E6	6572.8E6	488.131	488.344
12)	T	2,4,5-T	9.698	10.368	8761.4E6	6236.1E6	479.003	486.370
13)	T	2,4-DB	10.278	10.935	1410.7E6	546.0E6	469.574	488.442
14)	T	DINOSEB	11.502	11.321	6808.6E6	4715.9E6	481.689	478.292
15)	T	Picloram	11.307	12.429	9323.8E6	10433.3E6	469.492	474.467
16)	T	DCPA	11.797	12.366	12966.1E6	9972.2E6	497.571	493.358

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030477.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:43
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

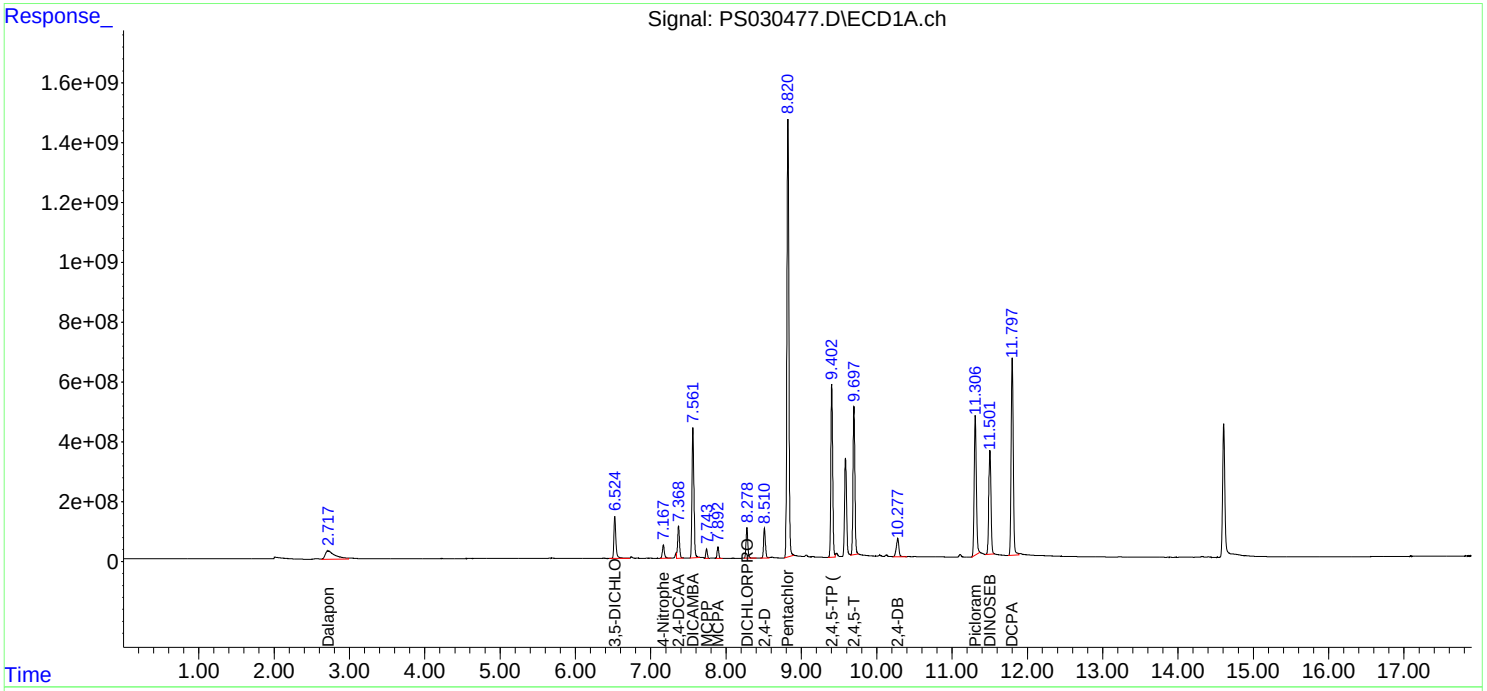
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

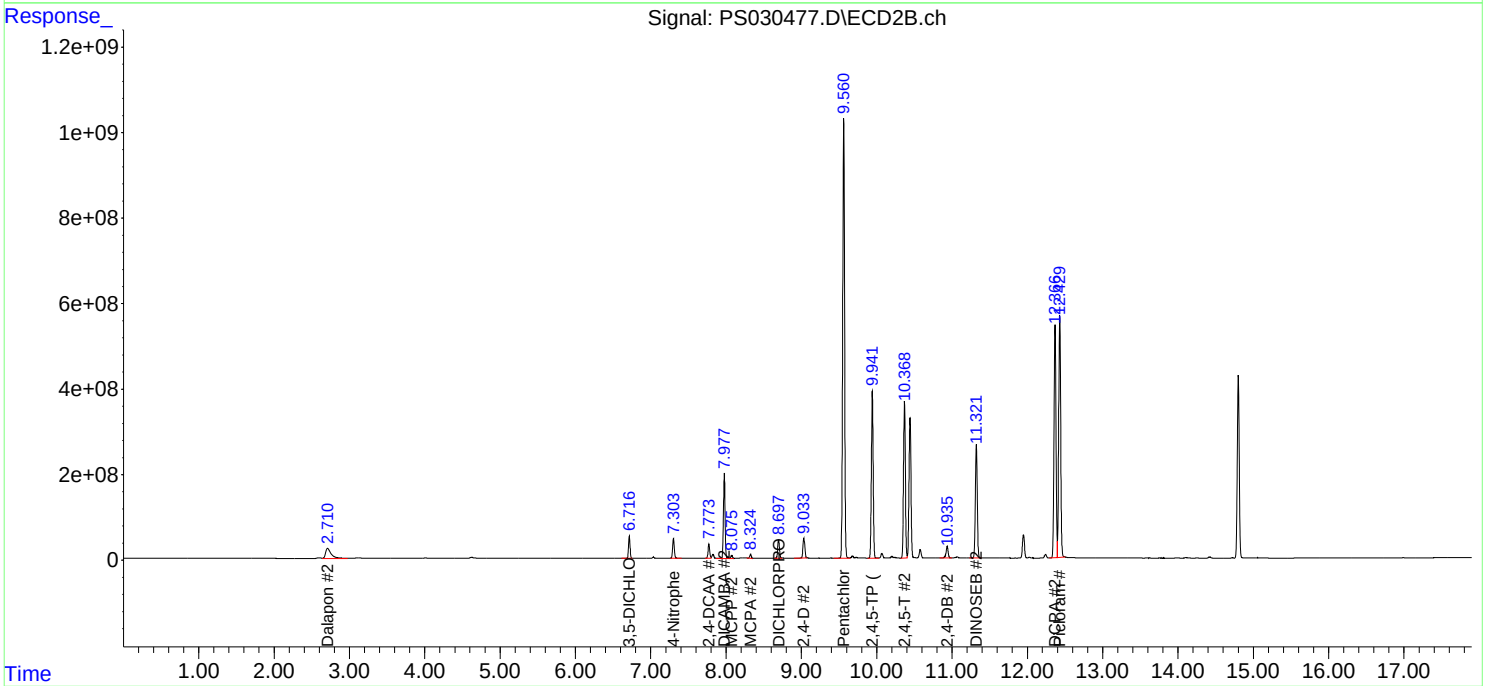
Manual Integrations APPROVED

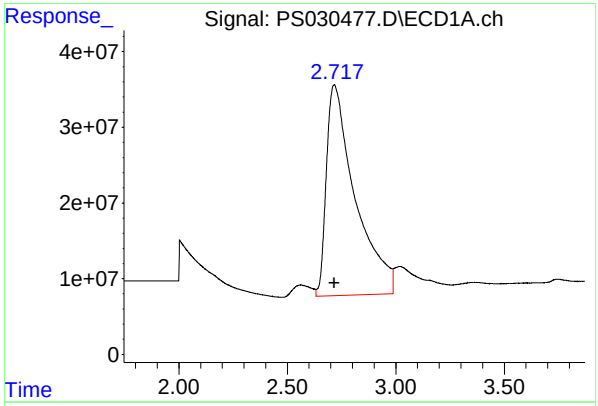
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:14:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 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







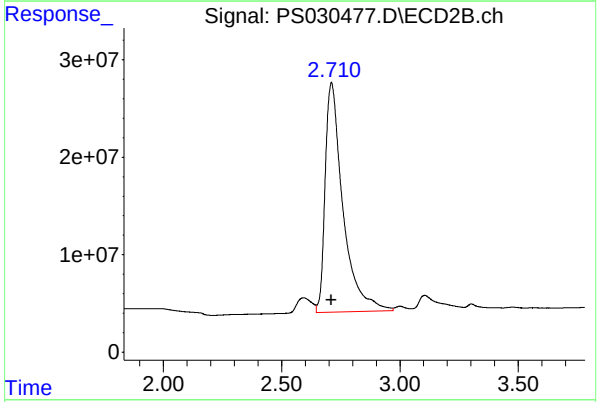
#1 Dalapon

R.T.: 2.717 min
Delta R.T.: 0.000 min
Response: 2560362779
Conc: 467.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

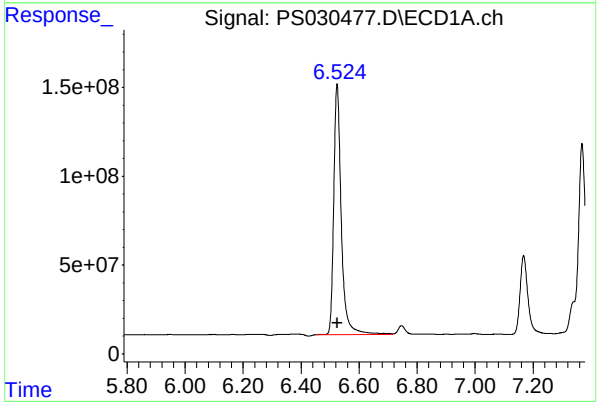
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



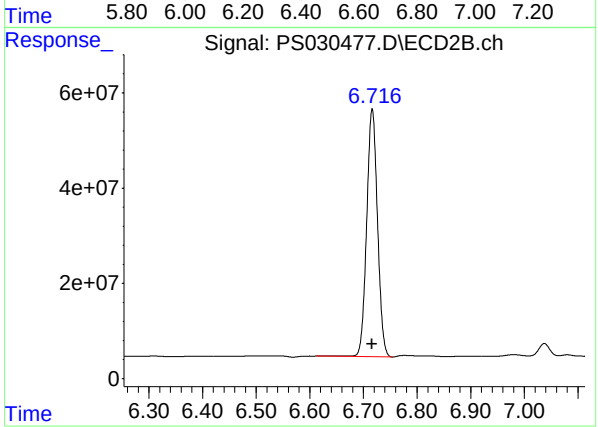
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 1234895099
Conc: 465.77 ng/ml



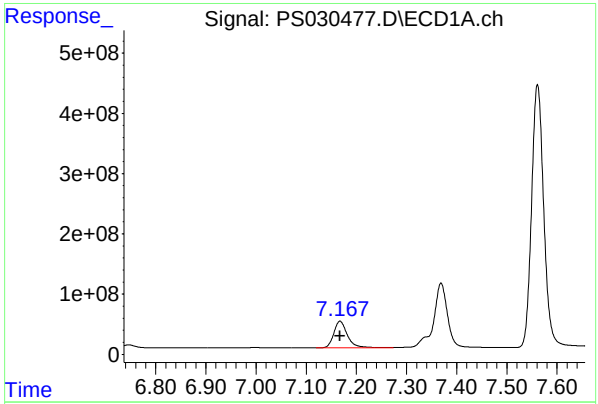
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 2562332025
Conc: 485.91 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 728684372
Conc: 481.32 ng/ml



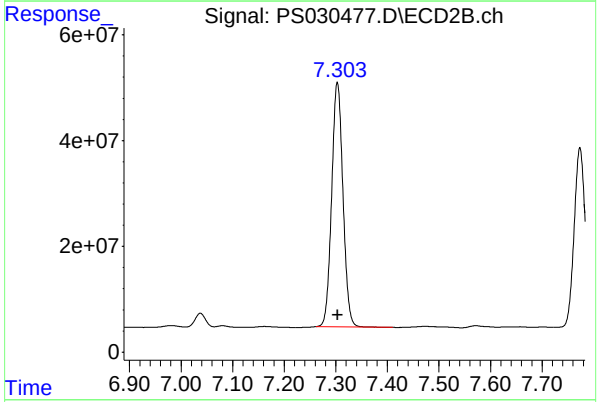
#3 4-Nitrophenol

R.T.: 7.167 min
Delta R.T.: 0.000 mi
Response: 829294425
Conc: 464.31 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

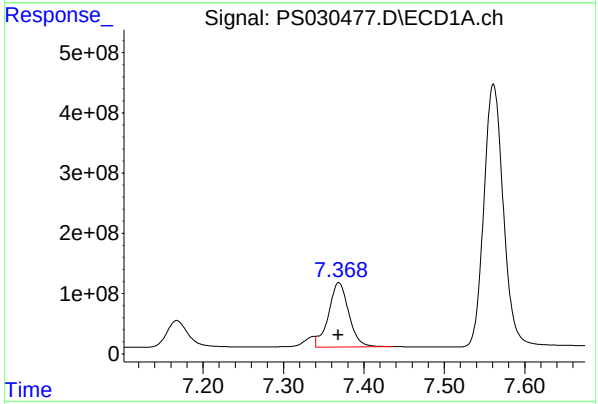
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



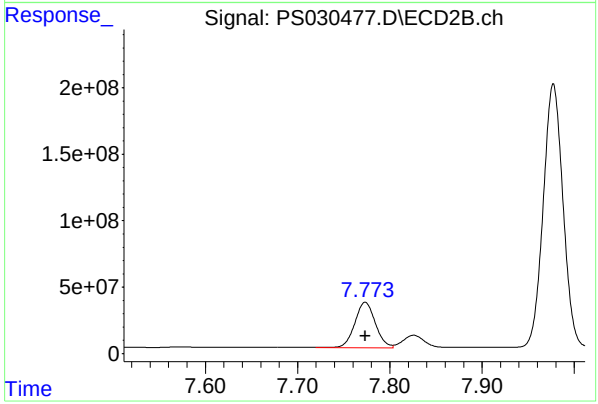
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: 0.000 min
Response: 702389963
Conc: 460.07 ng/ml



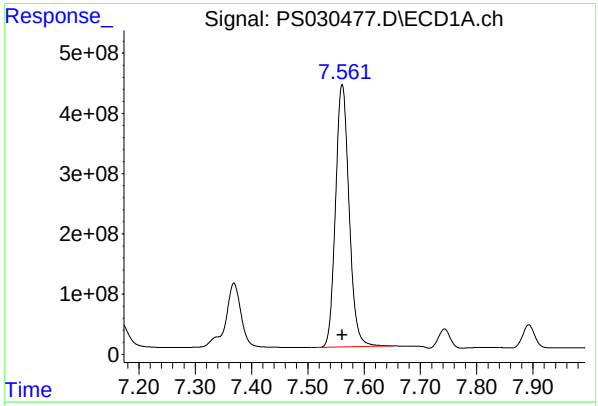
#4 2,4-DCAA

R.T.: 7.368 min
Delta R.T.: 0.000 min
Response: 1872579825
Conc: 511.61 ng/ml m



#4 2,4-DCAA

R.T.: 7.773 min
Delta R.T.: 0.000 min
Response: 533080640
Conc: 520.17 ng/ml



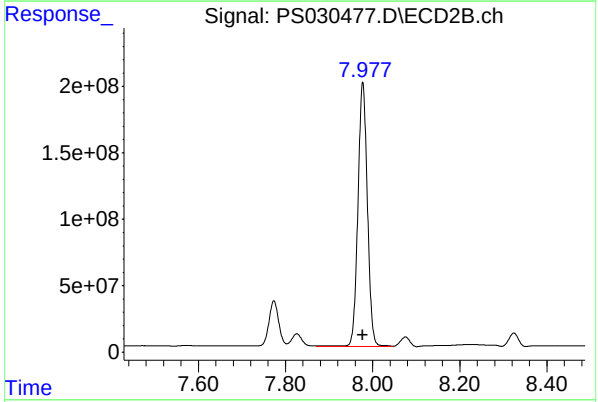
#5 DICAMBA

R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 7300106712
Conc: 482.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

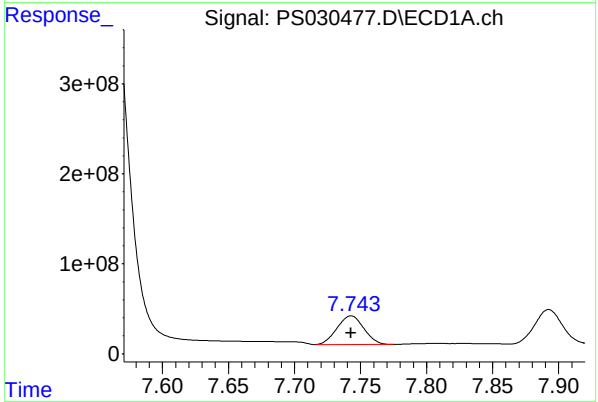
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



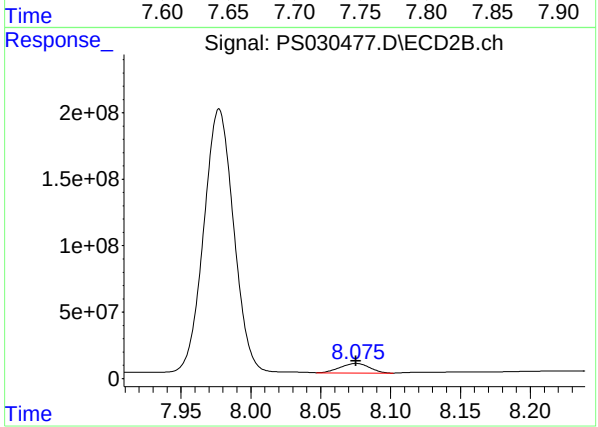
#5 DICAMBA

R.T.: 7.977 min
Delta R.T.: 0.000 min
Response: 3000653584
Conc: 476.34 ng/ml



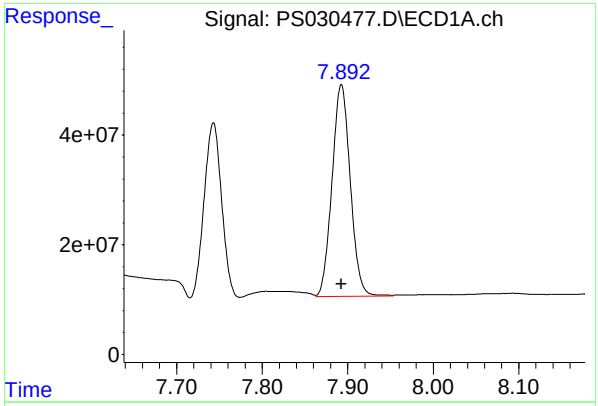
#6 MCPP

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 450402815
Conc: 45.19 ug/ml



#6 MCPP

R.T.: 8.075 min
Delta R.T.: 0.000 min
Response: 107608065
Conc: 46.60 ug/ml



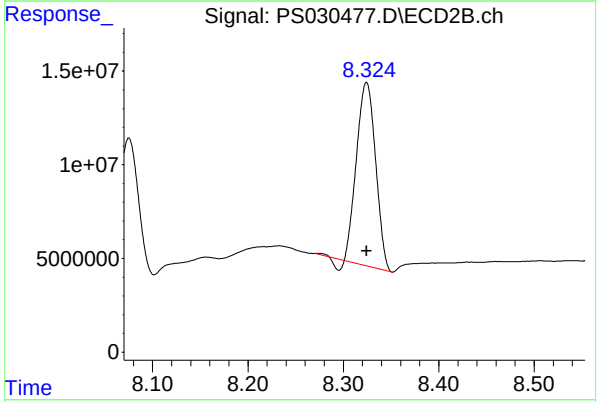
#7 MCPA

R.T.: 7.893 min
Delta R.T.: 0.000 min
Response: 573437736
Conc: 45.77 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

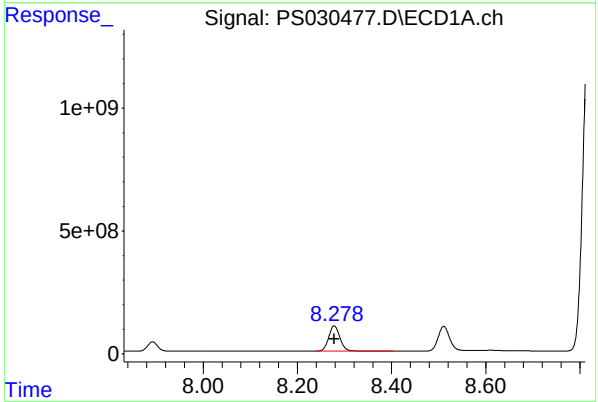
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



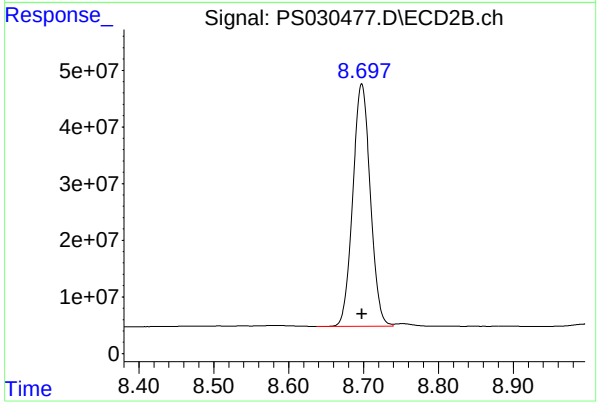
#7 MCPA

R.T.: 8.324 min
Delta R.T.: 0.000 min
Response: 134163811
Conc: 45.17 ug/ml



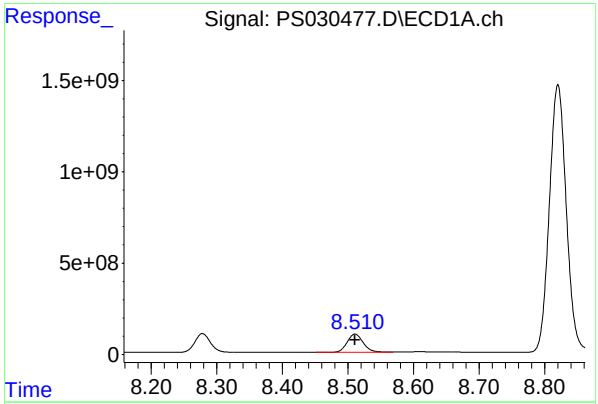
#8 DICHLORPROP

R.T.: 8.278 min
Delta R.T.: 0.000 min
Response: 1709645351
Conc: 486.25 ng/ml



#8 DICHLORPROP

R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 695685093
Conc: 486.59 ng/ml



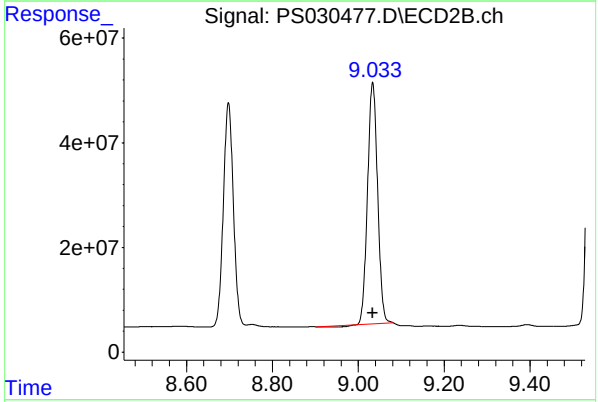
#9 2,4-D

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 1715765445
Conc: 482.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

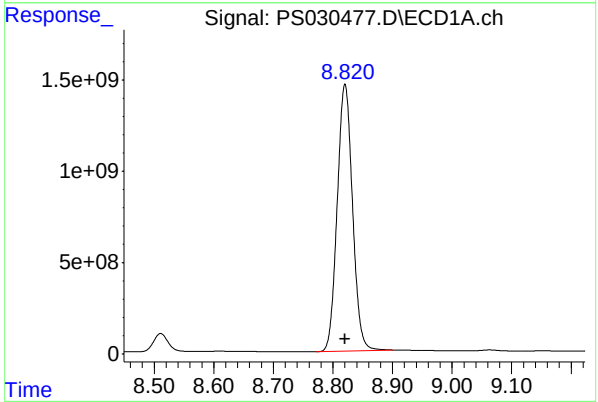
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



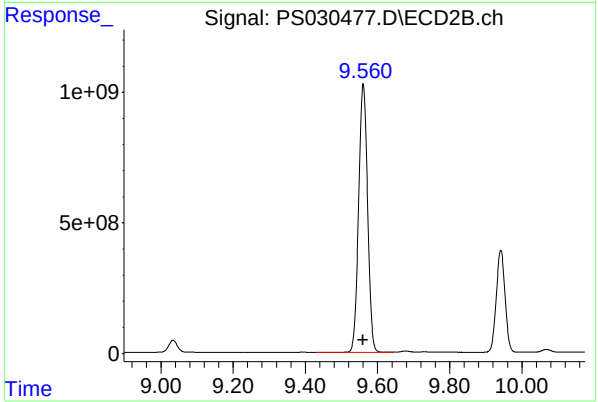
#9 2,4-D

R.T.: 9.034 min
Delta R.T.: 0.000 min
Response: 740374075
Conc: 486.21 ng/ml



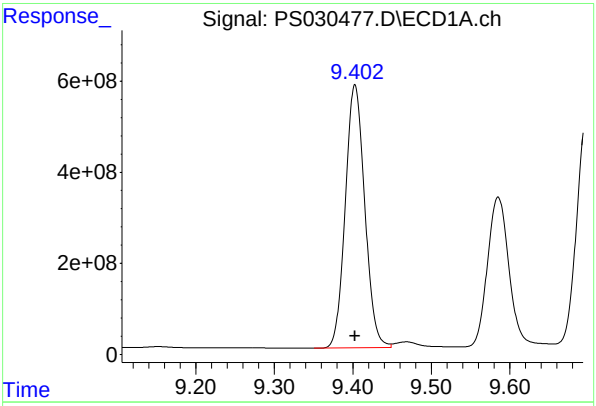
#10 Pentachlorophenol

R.T.: 8.820 min
Delta R.T.: 0.000 min
Response: 26104603294
Conc: 504.34 ng/ml



#10 Pentachlorophenol

R.T.: 9.560 min
Delta R.T.: 0.000 min
Response: 17662172152
Conc: 489.47 ng/ml



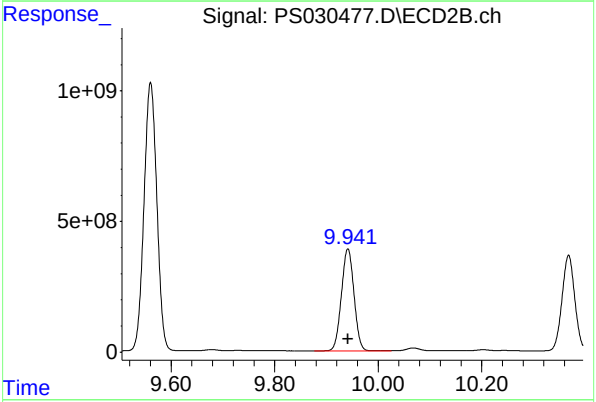
#11 2,4,5-TP (SILVEX)

R.T.: 9.403 min
Delta R.T.: 0.000 min
Response: 9941842250
Conc: 488.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

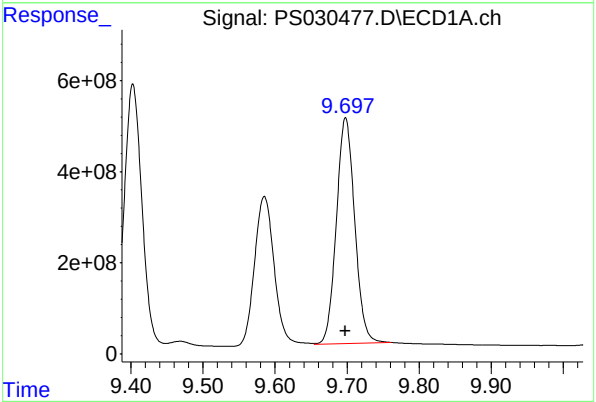
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



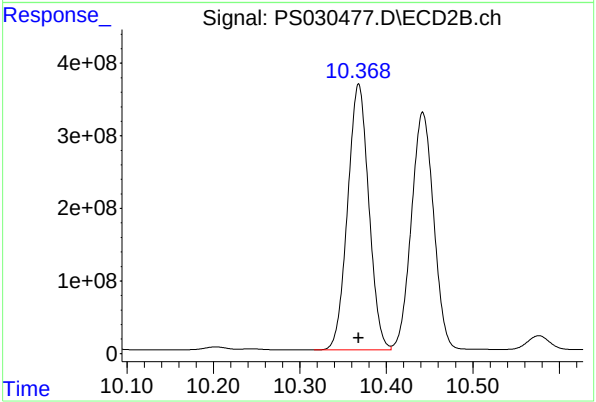
#11 2,4,5-TP (SILVEX)

R.T.: 9.942 min
Delta R.T.: 0.000 min
Response: 6572793038
Conc: 488.34 ng/ml



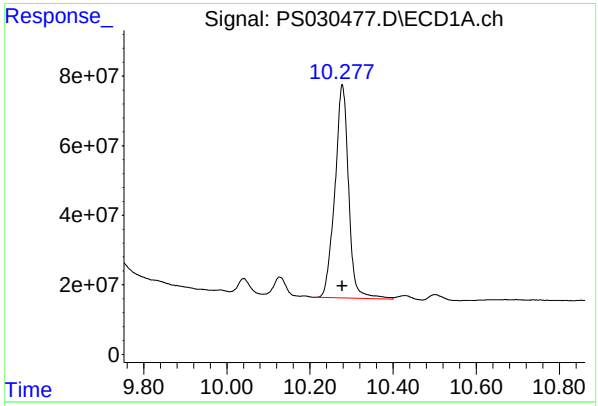
#12 2,4,5-T

R.T.: 9.698 min
Delta R.T.: 0.000 min
Response: 8761429194
Conc: 479.00 ng/ml



#12 2,4,5-T

R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 6236103287
Conc: 486.37 ng/ml



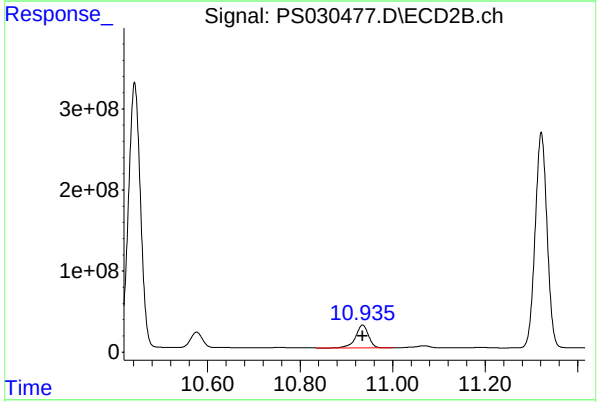
#13 2,4-DB

R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 1410703579
Conc: 469.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

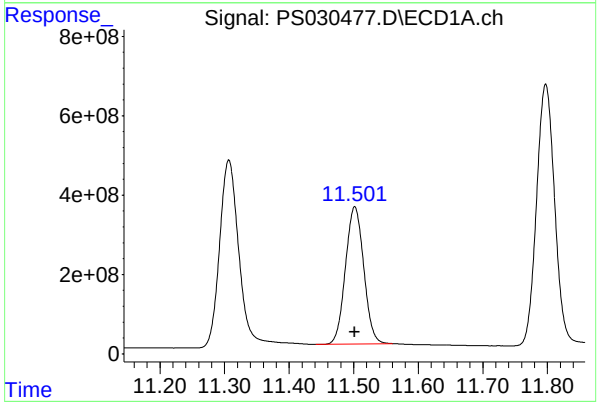
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



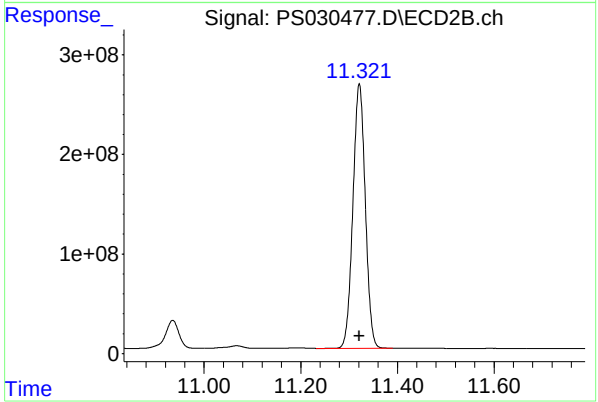
#13 2,4-DB

R.T.: 10.935 min
Delta R.T.: 0.000 min
Response: 545953017
Conc: 488.44 ng/ml



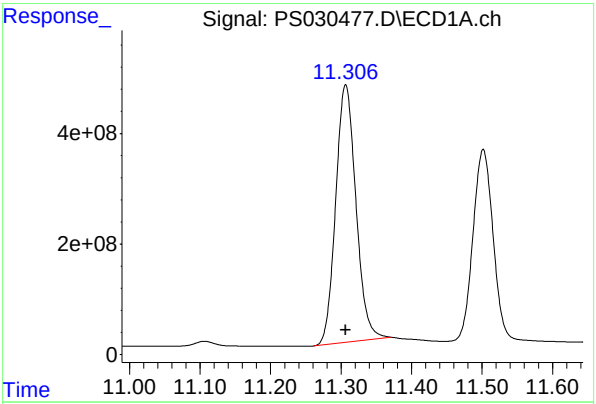
#14 DINOSEB

R.T.: 11.502 min
Delta R.T.: 0.000 min
Response: 6808573225
Conc: 481.69 ng/ml



#14 DINOSEB

R.T.: 11.321 min
Delta R.T.: 0.000 min
Response: 4715865784
Conc: 478.29 ng/ml



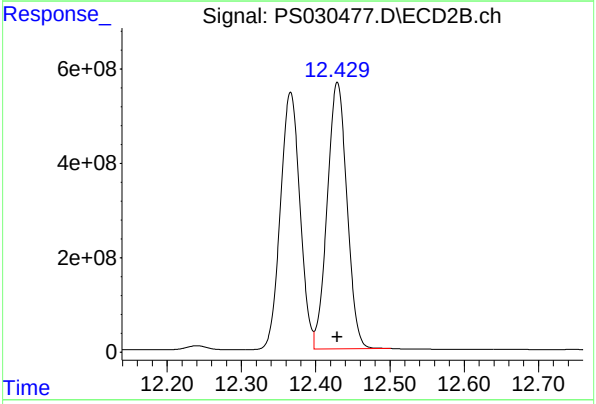
#15 Picloram

R.T.: 11.307 min
Delta R.T.: 0.000 min
Response: 9323819535
Conc: 469.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

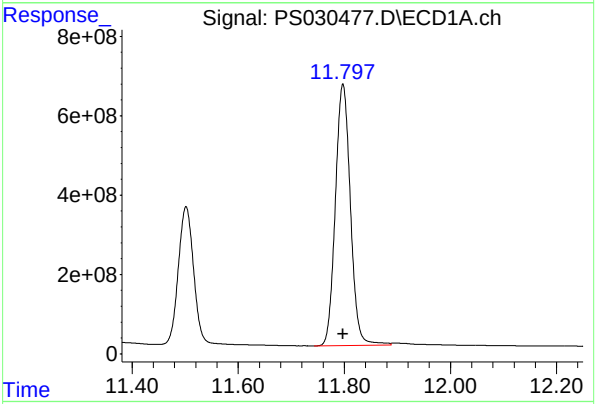
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



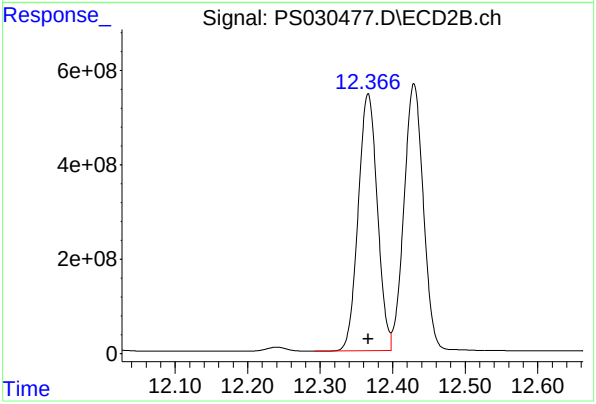
#15 Picloram

R.T.: 12.429 min
Delta R.T.: 0.000 min
Response: 10433311455
Conc: 474.47 ng/ml



#16 DCPA

R.T.: 11.797 min
Delta R.T.: 0.000 min
Response: 12966086678
Conc: 497.57 ng/ml



#16 DCPA

R.T.: 12.366 min
Delta R.T.: 0.000 min
Response: 9972175879
Conc: 493.36 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030478.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:07
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:09:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 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	7.369	7.774	2690.9E6	758.4E6	744.320m	750.000
		Target Compounds						
1)	T	Dalapon	2.716	2.710	3691.7E6	1793.7E6	682.500	682.500
2)	T	3,5-DICHL...	6.524	6.717	3626.9E6	1043.0E6	697.500	697.500
3)	T	4-Nitroph...	7.167	7.303	1207.0E6	1031.0E6	682.500	682.500
5)	T	DICAMBA	7.561	7.977	10569.4E6	4406.8E6	705.000	705.000
6)	T	MCPP	7.744	8.077	702.1E6	161.8E6	70.500	70.500
7)	T	MCPA	7.895	8.327	870.8E6	206.1E6	69.750	69.750
8)	T	DICHLORPROP	8.279	8.698	2453.4E6	996.3E6	705.000	705.000
9)	T	2,4-D	8.512	9.034	2489.8E6	1060.6E6	705.000	705.000
10)	T	Pentachlo...	8.820	9.561	37628.4E6	25518.7E6	712.500	712.500
11)	T	2,4,5-TP ...	9.404	9.942	14429.9E6	9502.8E6	712.500	712.500
12)	T	2,4,5-T	9.697	10.368	13011.7E6	9066.3E6	712.500	712.500
13)	T	2,4-DB	10.279	10.936	2128.7E6	787.8E6	712.500	712.500
14)	T	DINOSEB	11.502	11.321	9877.2E6	6881.7E6	705.000	705.000
15)	T	Picloram	11.307	12.430	14134.3E6	15599.4E6	712.500	712.500
16)	T	DCPA	11.797	12.366	18644.2E6	14436.2E6	720.000	720.000

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

ICAL Form

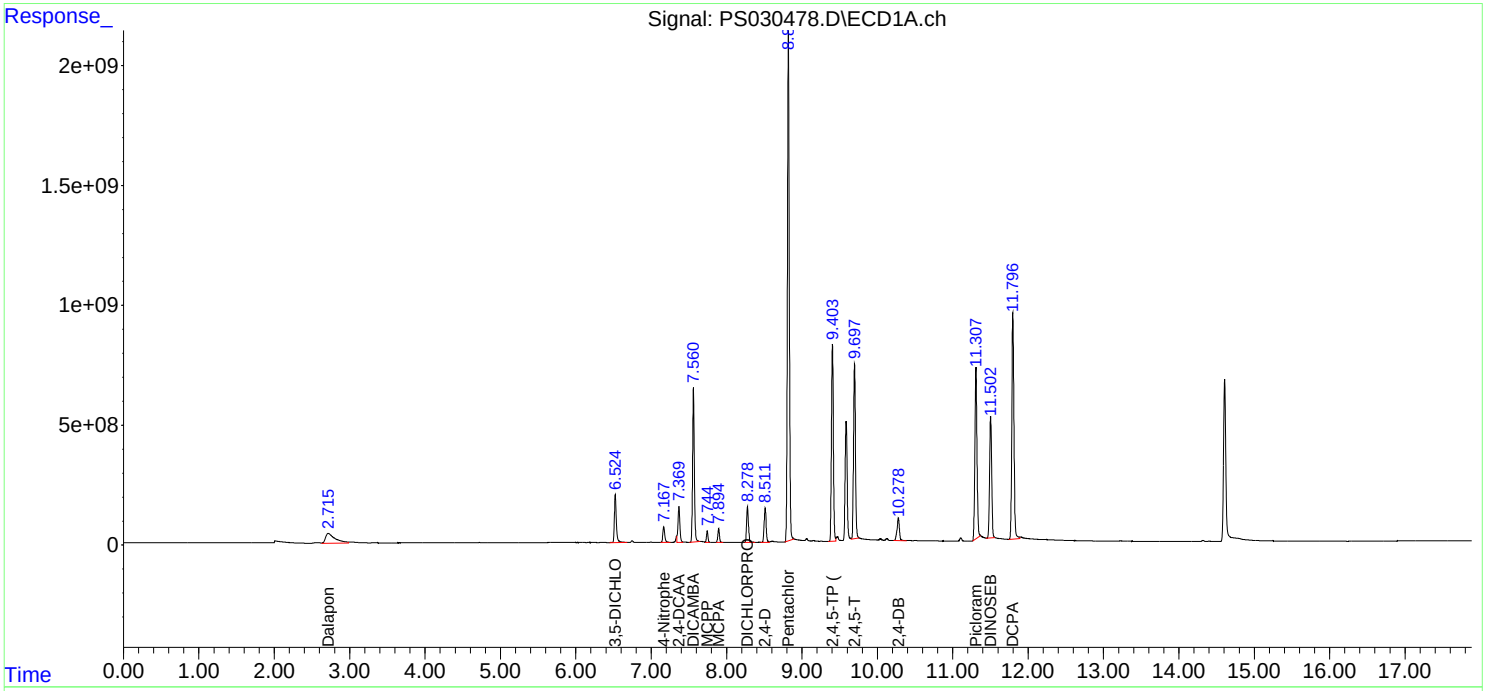
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030478.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:07
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

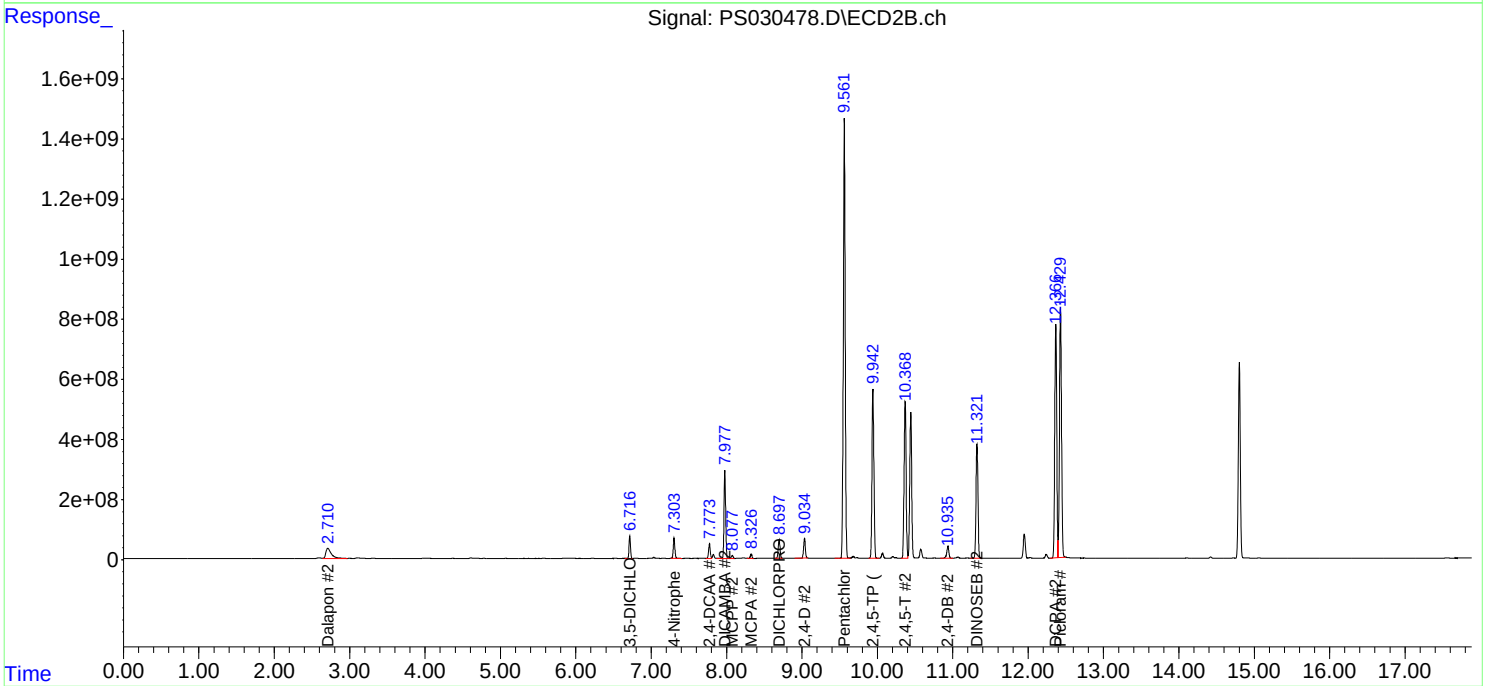
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

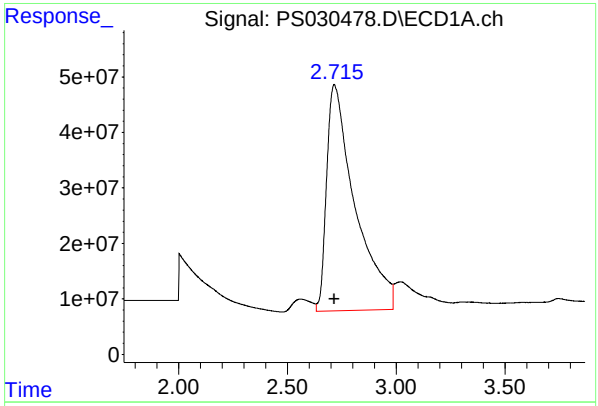
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:09:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 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







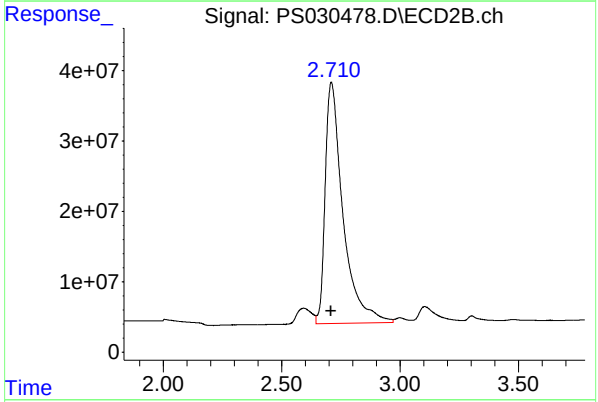
#1 Dalapon

R.T.: 2.716 min
Delta R.T.: 0.000 min
Response: 3691665088
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

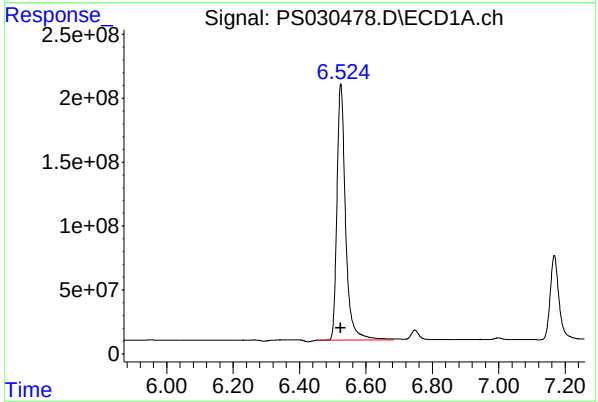
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



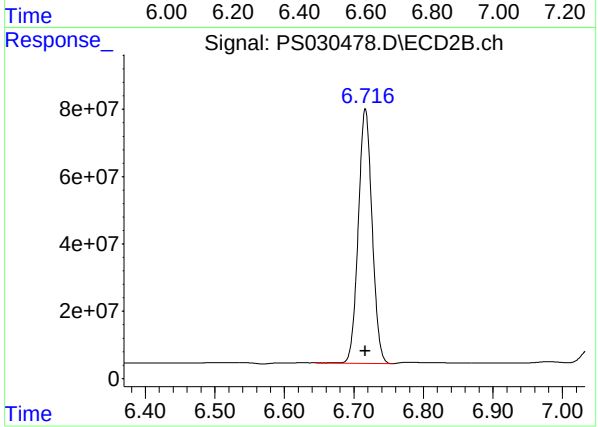
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 1793687966
Conc: 682.50 ng/ml



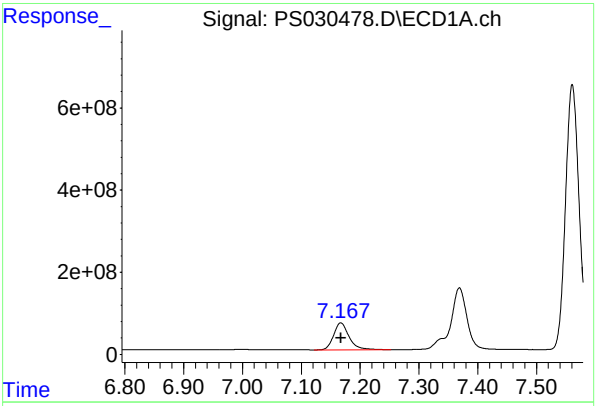
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 3626903309
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 1042975281
Conc: 697.50 ng/ml



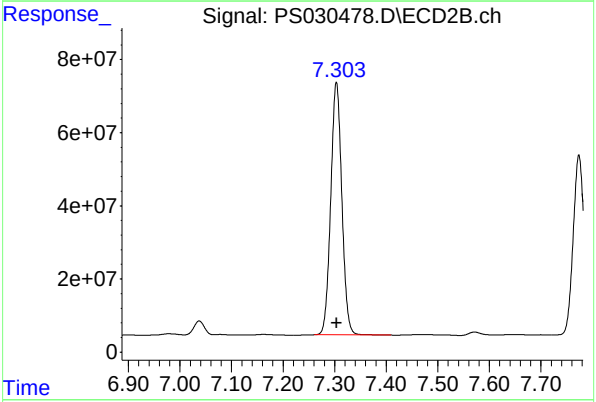
#3 4-Nitrophenol

R.T.: 7.167 min
Delta R.T.: 0.000 mi
Response: 1207018921
Conc: 682.50 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

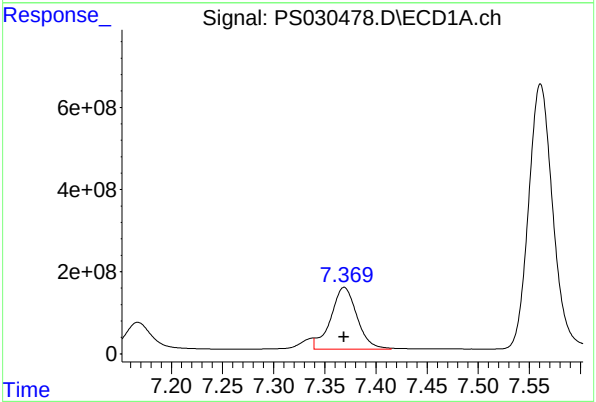
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



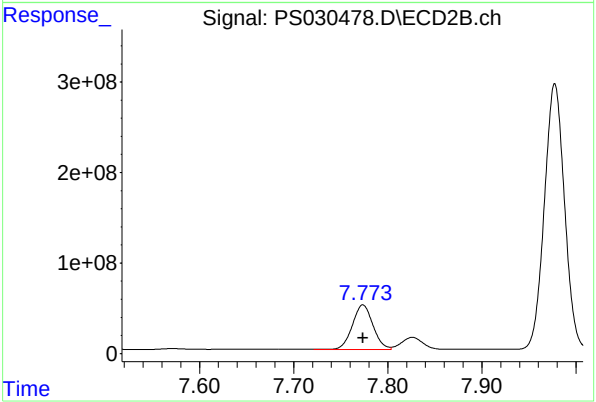
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: 0.000 min
Response: 1030985969
Conc: 682.50 ng/ml



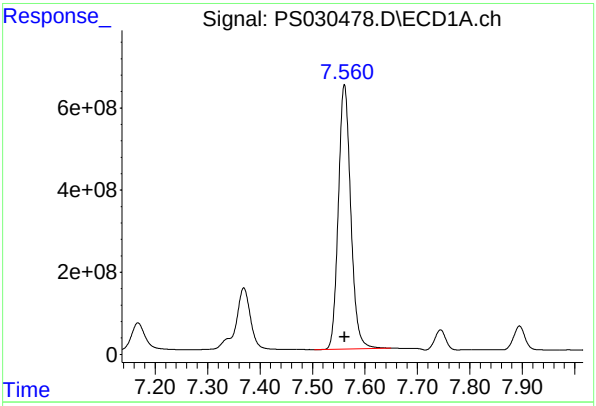
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 2690865233
Conc: 744.32 ng/ml m



#4 2,4-DCAA

R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 758443389
Conc: 750.00 ng/ml



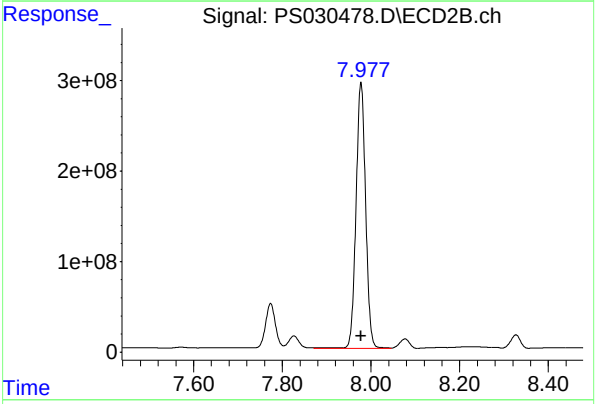
#5 DICAMBA

R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 10569446696
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

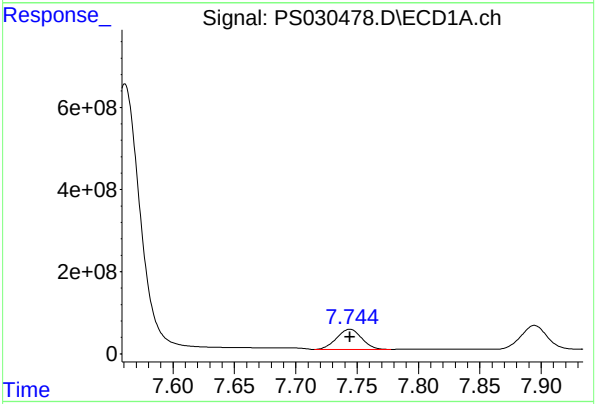
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



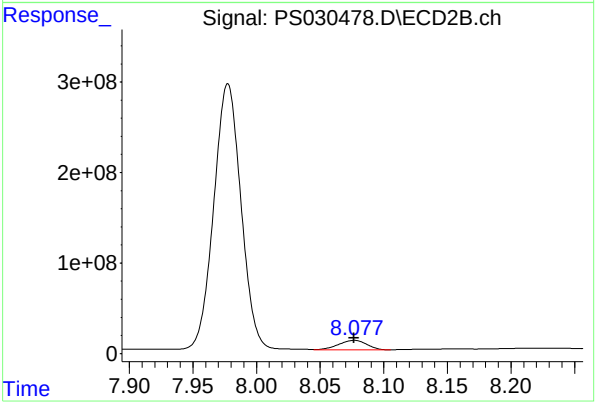
#5 DICAMBA

R.T.: 7.977 min
Delta R.T.: 0.000 min
Response: 4406801538
Conc: 705.00 ng/ml



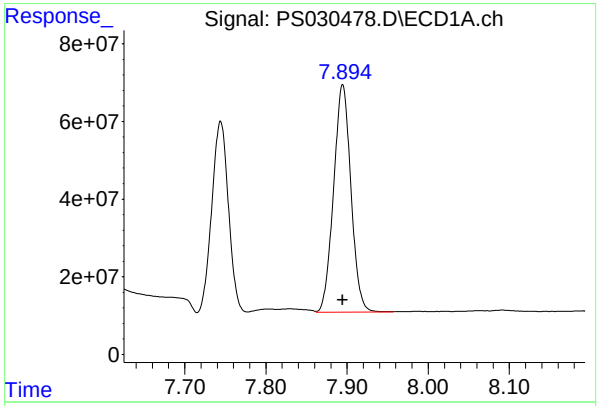
#6 MCPP

R.T.: 7.744 min
Delta R.T.: 0.000 min
Response: 702085741
Conc: 70.50 ug/ml



#6 MCPP

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 161835619
Conc: 70.50 ug/ml



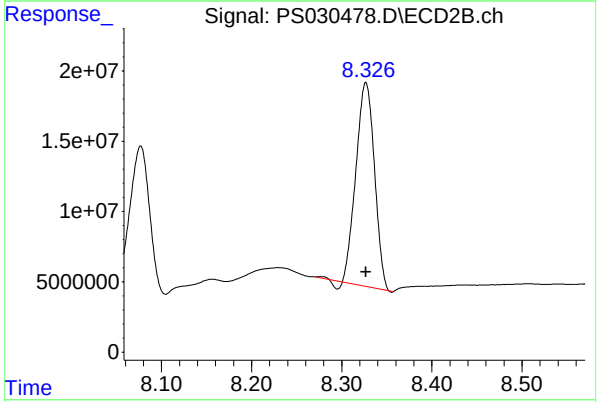
#7 MCPA

R.T.: 7.895 min
Delta R.T.: 0.000 min
Response: 870813338
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

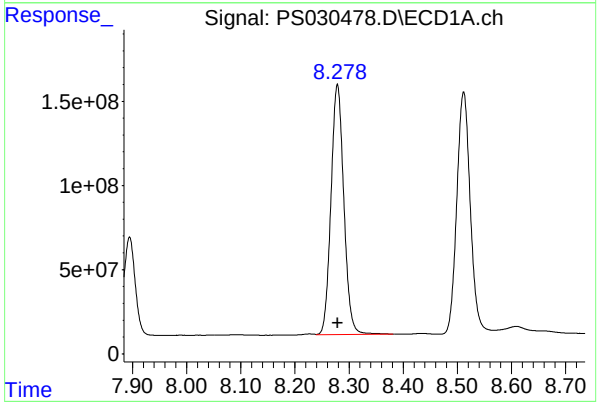
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



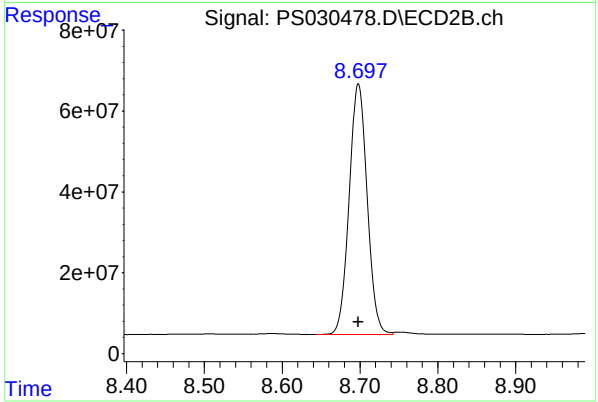
#7 MCPA

R.T.: 8.327 min
Delta R.T.: 0.000 min
Response: 206127706
Conc: 69.75 ug/ml



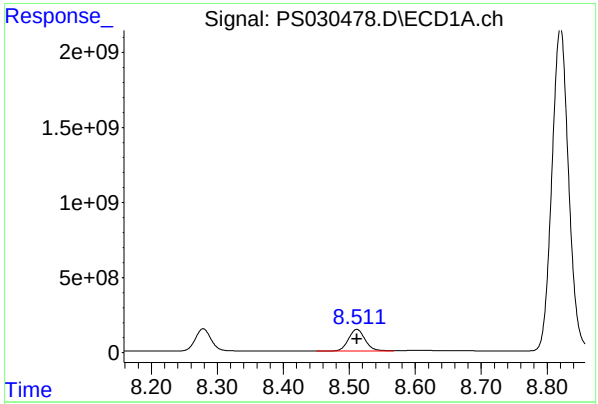
#8 DICHLORPROP

R.T.: 8.279 min
Delta R.T.: 0.000 min
Response: 2453430344
Conc: 705.00 ng/ml



#8 DICHLORPROP

R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 996270230
Conc: 705.00 ng/ml



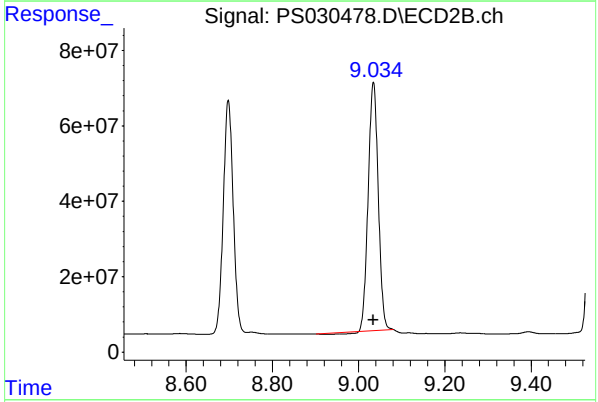
#9 2,4-D

R.T.: 8.512 min
Delta R.T.: 0.000 min
Response: 2489789588
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

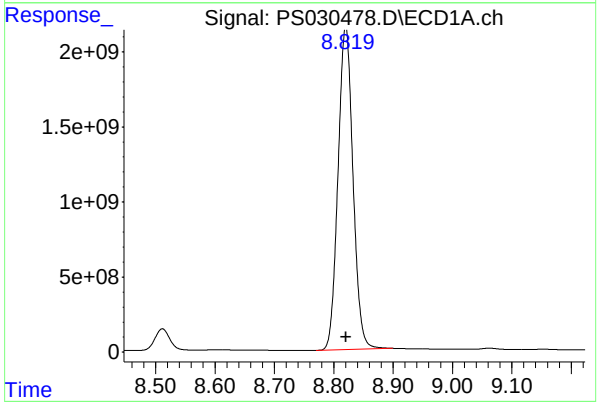
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



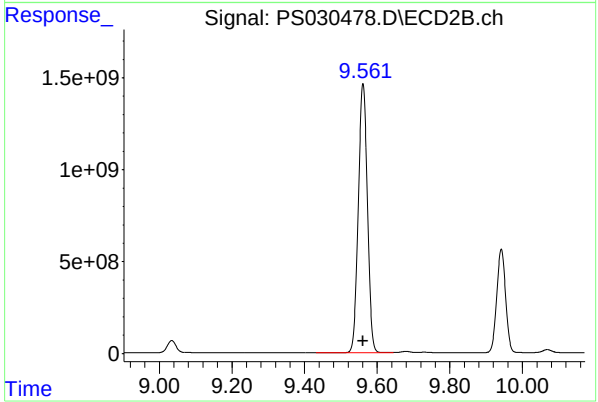
#9 2,4-D

R.T.: 9.034 min
Delta R.T.: 0.000 min
Response: 1060624605
Conc: 705.00 ng/ml



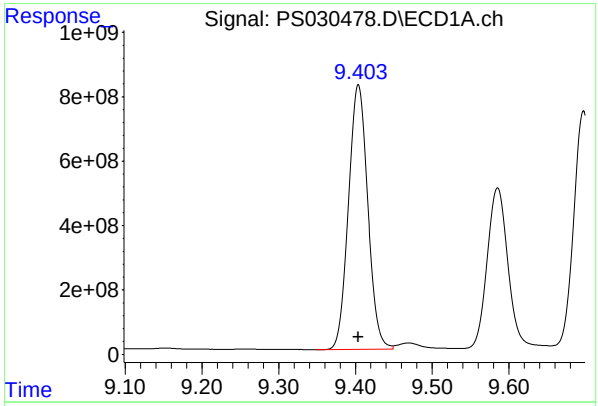
#10 Pentachlorophenol

R.T.: 8.820 min
Delta R.T.: 0.000 min
Response: 37628370370
Conc: 712.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.561 min
Delta R.T.: 0.000 min
Response: 25518689824
Conc: 712.50 ng/ml



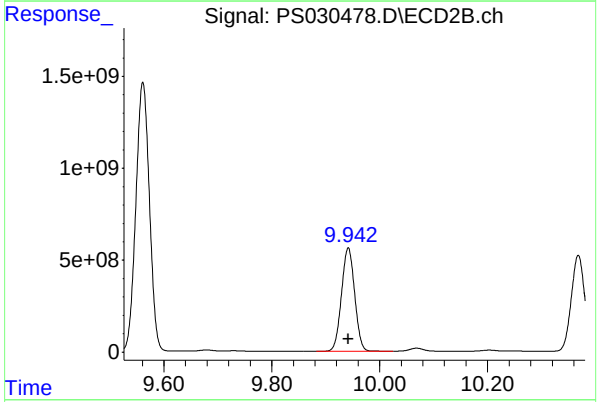
#11 2,4,5-TP (SILVEX)

R.T.: 9.404 min
Delta R.T.: 0.000 min
Response: 14429853099
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

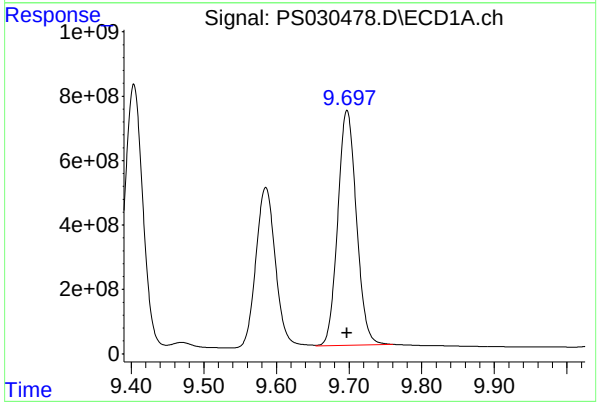
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



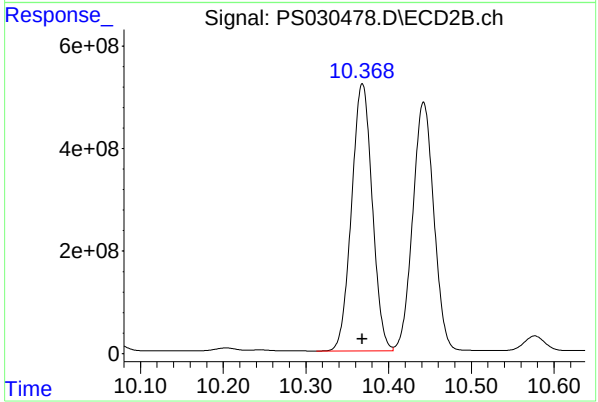
#11 2,4,5-TP (SILVEX)

R.T.: 9.942 min
Delta R.T.: 0.000 min
Response: 9502750218
Conc: 712.50 ng/ml



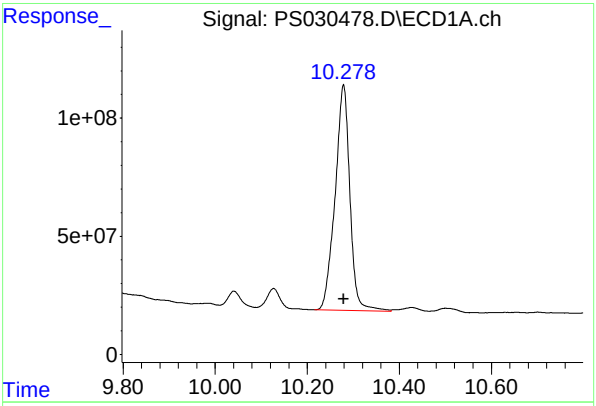
#12 2,4,5-T

R.T.: 9.697 min
Delta R.T.: 0.000 min
Response: 13011662510
Conc: 712.50 ng/ml



#12 2,4,5-T

R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 9066309949
Conc: 712.50 ng/ml



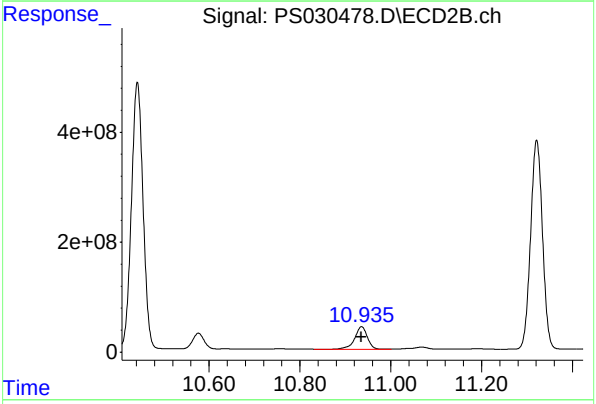
#13 2,4-DB

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 2128667195
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

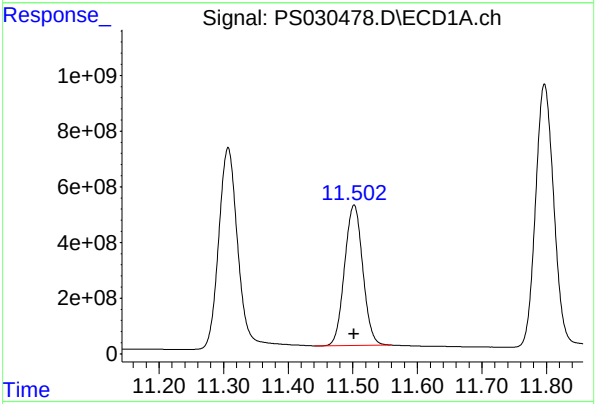
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



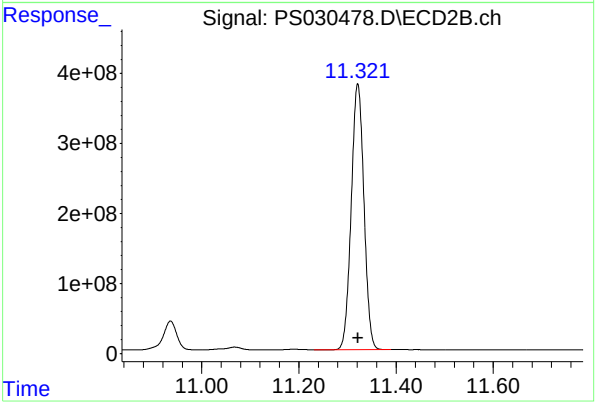
#13 2,4-DB

R.T.: 10.936 min
Delta R.T.: 0.000 min
Response: 787814567
Conc: 712.50 ng/ml



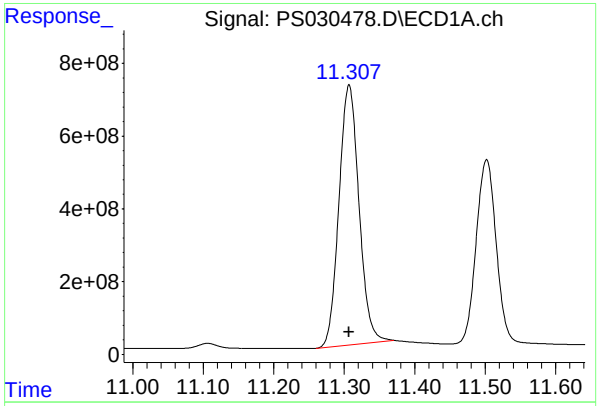
#14 DINOSEB

R.T.: 11.502 min
Delta R.T.: 0.000 min
Response: 9877244671
Conc: 705.00 ng/ml



#14 DINOSEB

R.T.: 11.321 min
Delta R.T.: 0.000 min
Response: 6881704152
Conc: 705.00 ng/ml



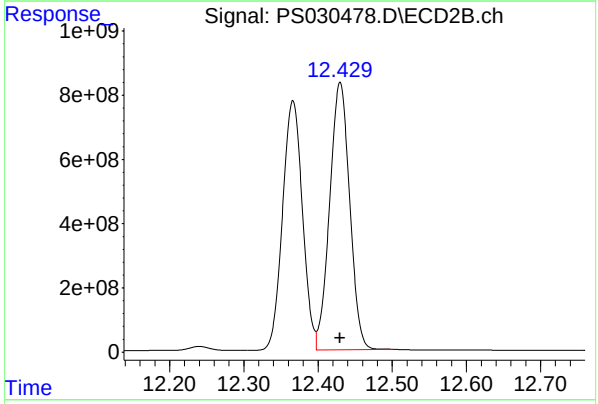
#15 Picloram

R.T.: 11.307 min
Delta R.T.: 0.000 min
Response: 14134321168
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

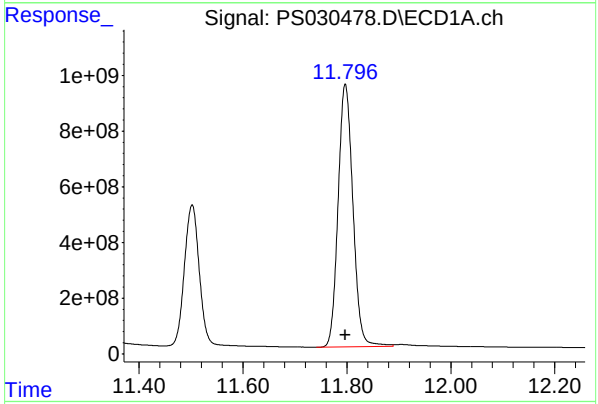
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



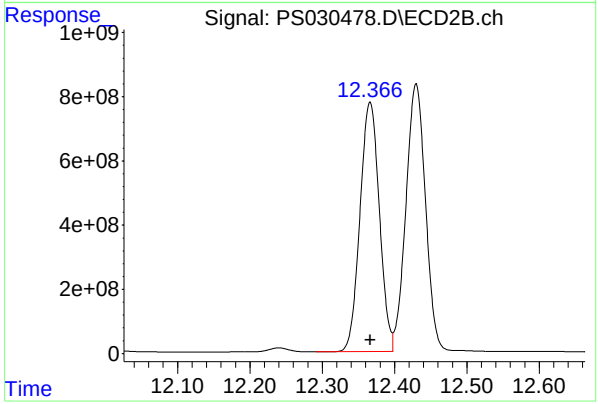
#15 Picloram

R.T.: 12.430 min
Delta R.T.: 0.000 min
Response: 15599383048
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.797 min
Delta R.T.: 0.000 min
Response: 18644228870
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.366 min
Delta R.T.: 0.000 min
Response: 14436198614
Conc: 720.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:31
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:12:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 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	7.369	7.774	3627.1E6	997.0E6	1015.527m	992.922
		Target Compounds						
1)	T	Dalapon	2.714	2.710	4894.2E6	2376.7E6	907.402	907.165
2)	T	3,5-DICHL...	6.524	6.717	4751.8E6	1375.9E6	921.843	925.042
3)	T	4-Nitroph...	7.168	7.304	1608.1E6	1388.5E6	909.639	914.550
5)	T	DICAMBA	7.561	7.978	13974.6E6	5887.4E6	936.047	940.930
6)	T	MCPP	7.746	8.079	973.4E6	220.1E6	95.838	94.941
7)	T	MCPA	7.897	8.330	1187.7E6	285.5E6	94.055	94.777
8)	T	DICHLORPROP	8.279	8.699	3224.6E6	1312.0E6	933.254	934.189
9)	T	2,4-D	8.511	9.035	3284.7E6	1399.3E6	935.022	935.019
10)	T	Pentachlo...	8.825	9.561	45135.4E6	33490.4E6	899.805	942.480
11)	T	2,4,5-TP ...	9.404	9.942	18922.9E6	12543.2E6	942.112	945.210
12)	T	2,4,5-T	9.698	10.369	17257.5E6	11981.3E6	947.492	945.773
13)	T	2,4-DB	10.278	10.936	2902.4E6	1043.2E6	960.620	946.745
14)	T	DINOSEB	11.502	11.322	13073.3E6	9197.3E6	936.548	941.110
15)	T	Picloram	11.306	12.430	19105.8E6	21004.4E6	956.510	954.663
16)	T	DCPA	11.796	12.366	24258.1E6	19020.4E6	948.257	954.284

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:31
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

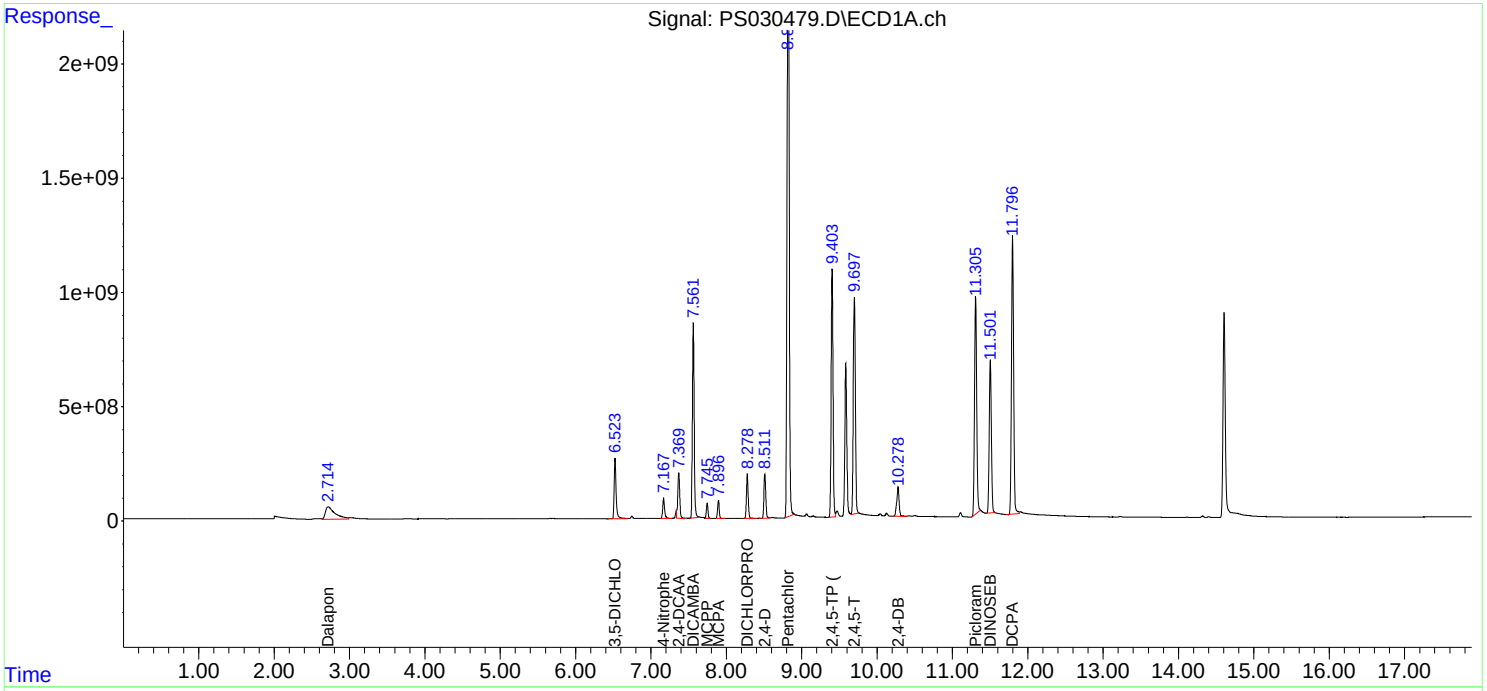
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

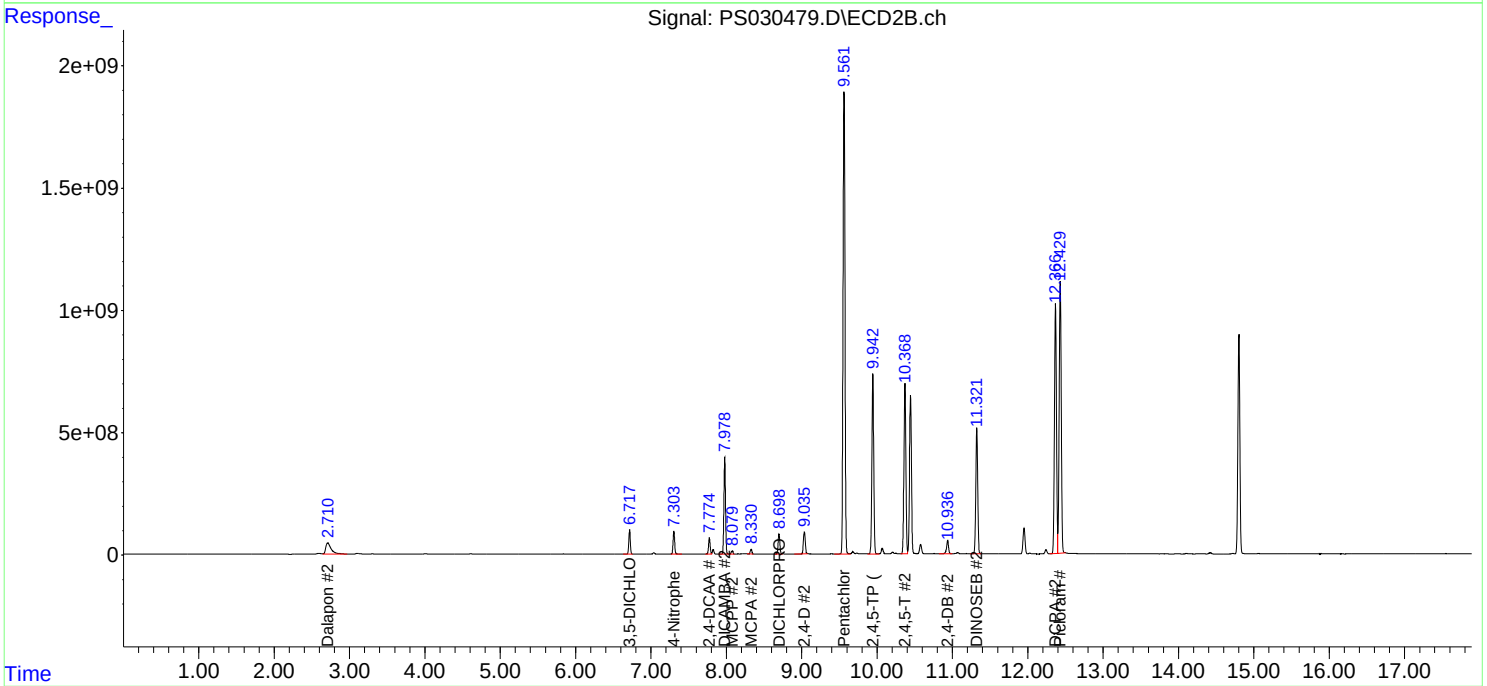
Manual Integrations APPROVED

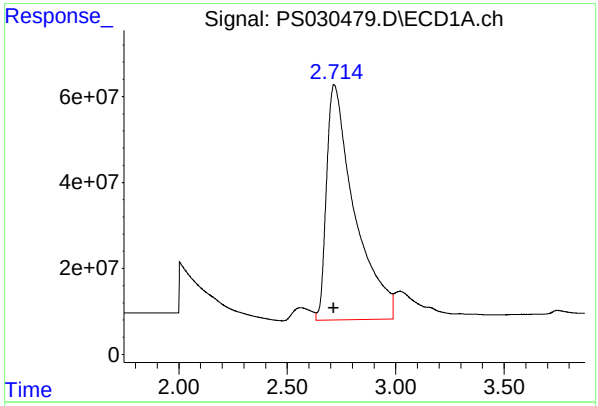
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:12:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 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







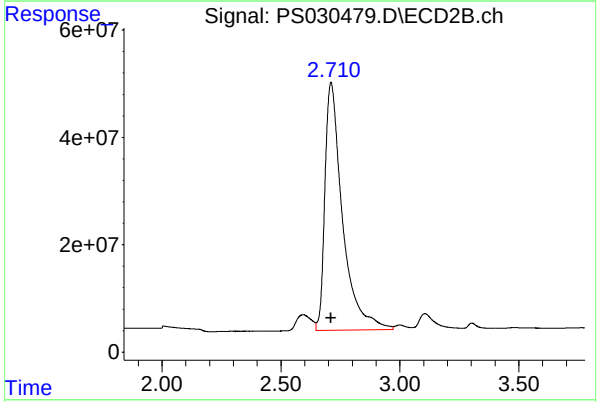
#1 Dalapon

R.T.: 2.714 min
Delta R.T.: 0.000 min
Response: 4894191537
Conc: 907.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

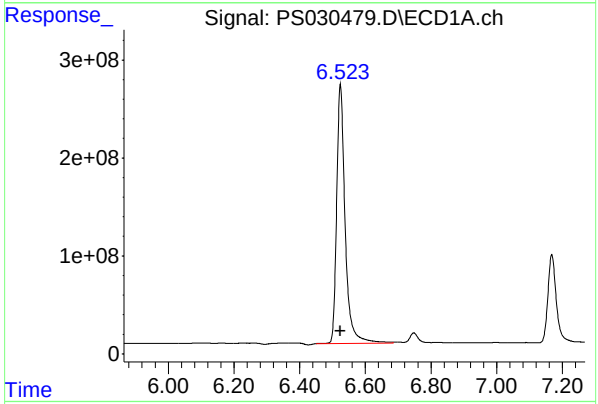
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



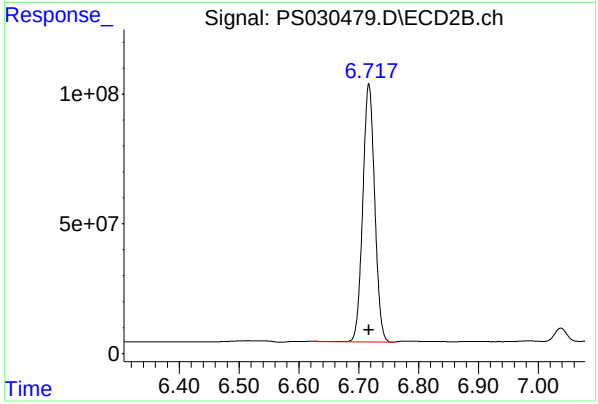
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 2376727482
Conc: 907.16 ng/ml



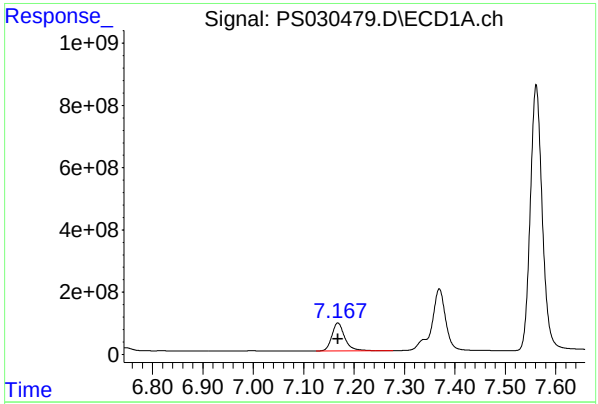
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 4751780623
Conc: 921.84 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 1375885564
Conc: 925.04 ng/ml



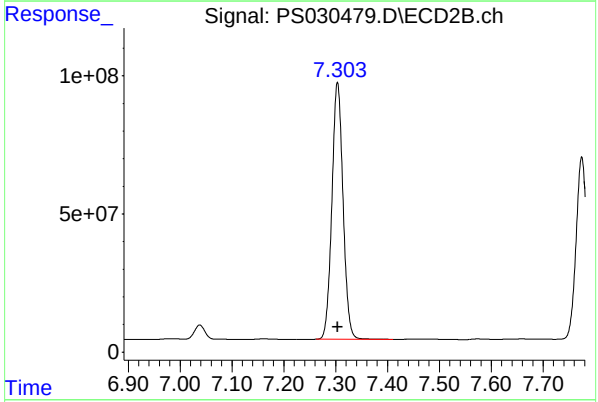
#3 4-Nitrophenol

R.T.: 7.168 min
Delta R.T.: 0.000 mi
Response: 1608081150
Conc: 909.64 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

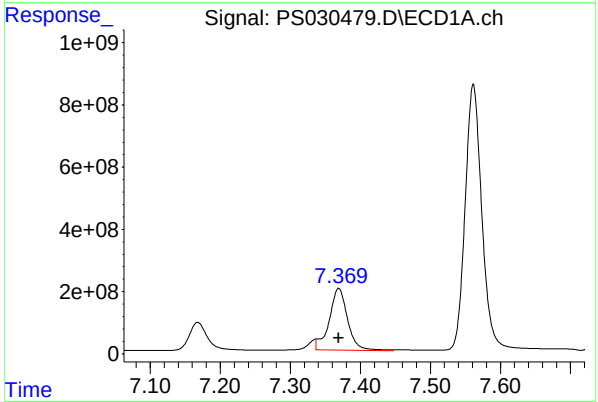
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



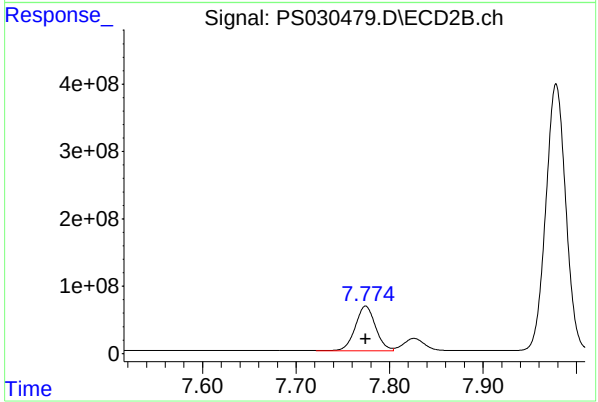
#3 4-Nitrophenol

R.T.: 7.304 min
Delta R.T.: 0.000 min
Response: 1388464086
Conc: 914.55 ng/ml



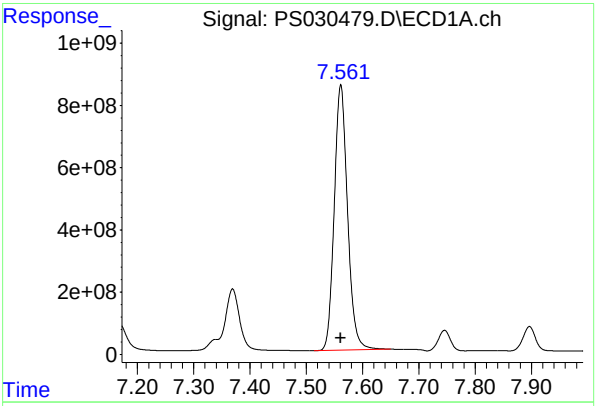
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 3627065582
Conc: 1015.53 ng/ml m



#4 2,4-DCAA

R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 997042457
Conc: 992.92 ng/ml



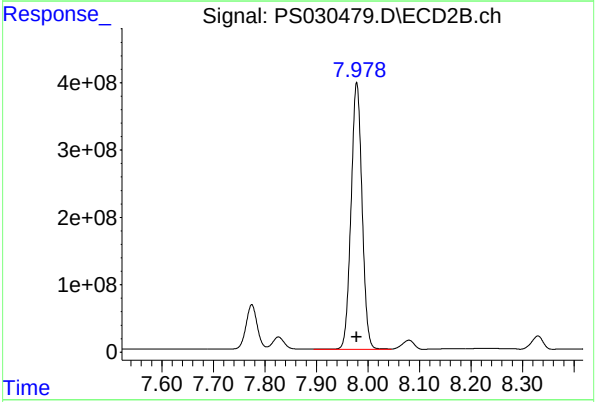
#5 DICAMBA

R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 13974550699
Conc: 936.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

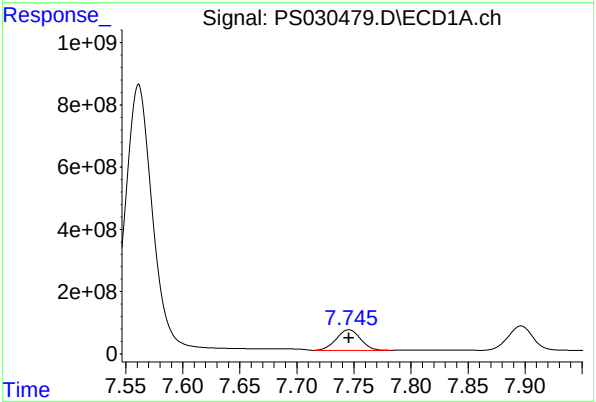
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



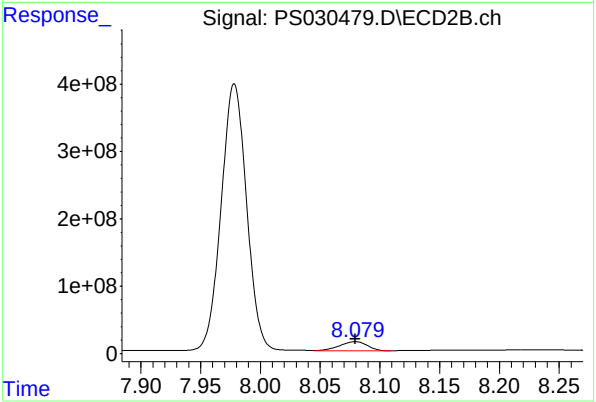
#5 DICAMBA

R.T.: 7.978 min
Delta R.T.: 0.000 min
Response: 5887369046
Conc: 940.93 ng/ml



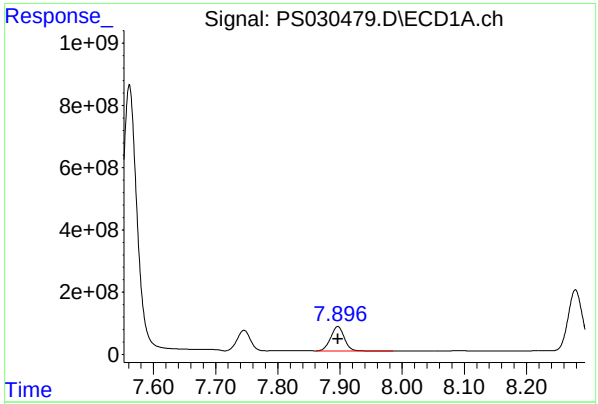
#6 MCPP

R.T.: 7.746 min
Delta R.T.: 0.000 min
Response: 973447009
Conc: 95.84 ug/ml



#6 MCPP

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 220146729
Conc: 94.94 ug/ml



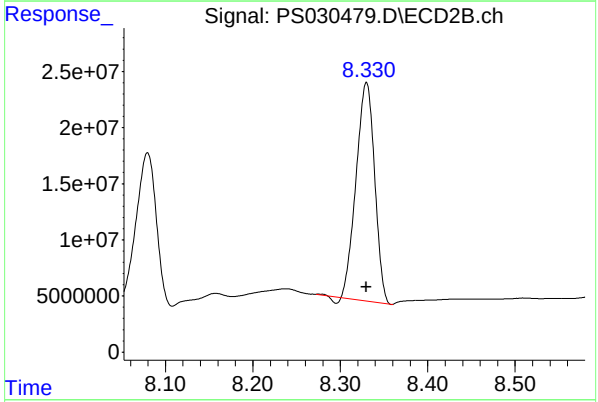
#7 MCPA

R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 1187731889
Conc: 94.06 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

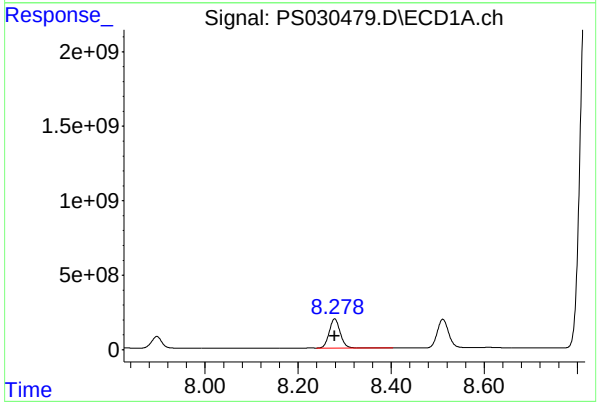
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



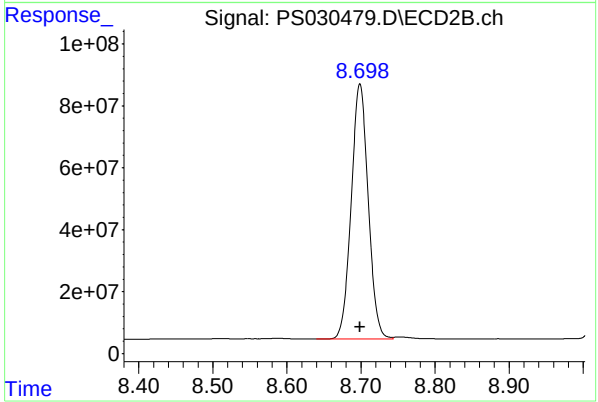
#7 MCPA

R.T.: 8.330 min
Delta R.T.: 0.000 min
Response: 285546080
Conc: 94.78 ug/ml



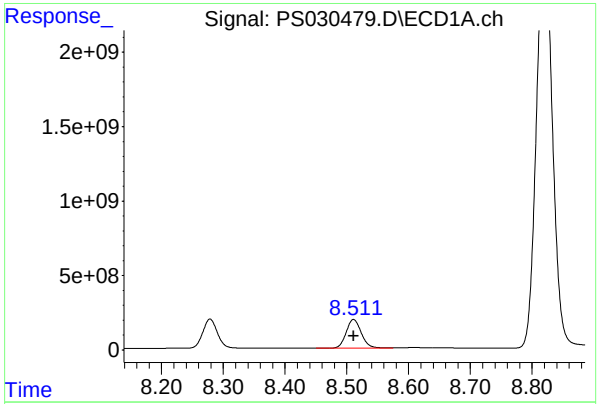
#8 DICHLORPROP

R.T.: 8.279 min
Delta R.T.: 0.000 min
Response: 3224621037
Conc: 933.25 ng/ml



#8 DICHLORPROP

R.T.: 8.699 min
Delta R.T.: 0.000 min
Response: 1312037857
Conc: 934.19 ng/ml



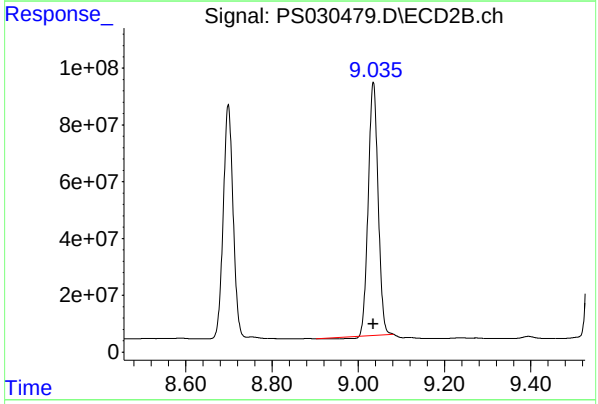
#9 2,4-D

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 3284741071
Conc: 935.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

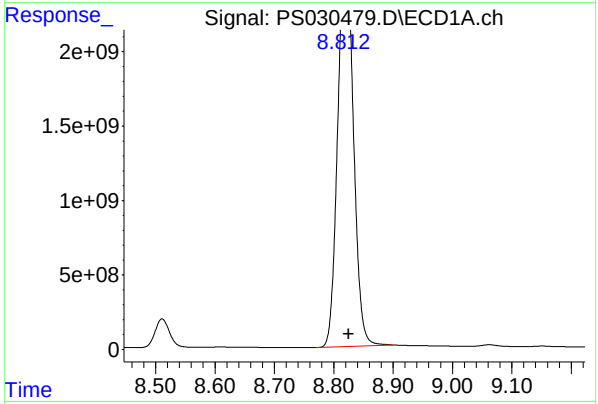
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



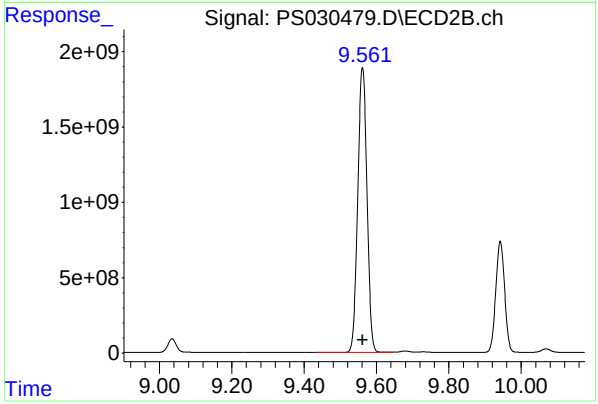
#9 2,4-D

R.T.: 9.035 min
Delta R.T.: 0.000 min
Response: 1399258054
Conc: 935.02 ng/ml



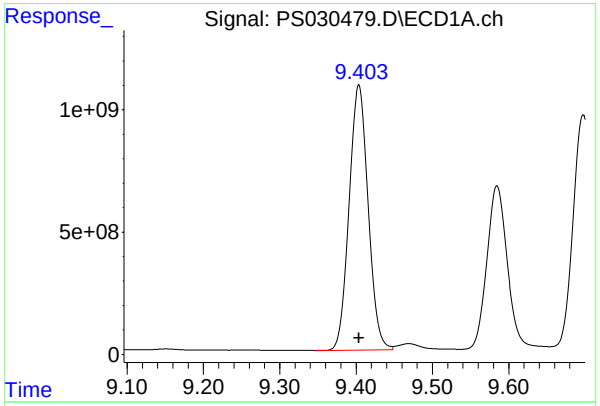
#10 Pentachlorophenol

R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 45135413541
Conc: 899.80 ng/ml



#10 Pentachlorophenol

R.T.: 9.561 min
Delta R.T.: 0.000 min
Response: 33490448788
Conc: 942.48 ng/ml



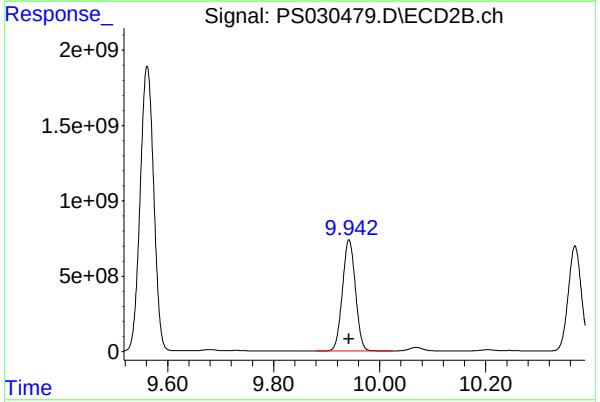
#11 2,4,5-TP (SILVEX)

R.T.: 9.404 min
Delta R.T.: 0.000 min
Response: 18922946638
Conc: 942.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

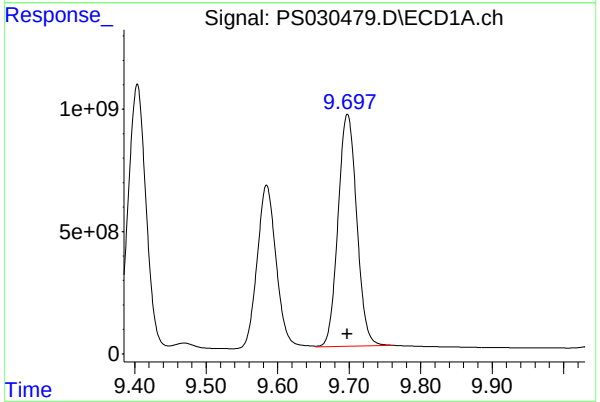
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



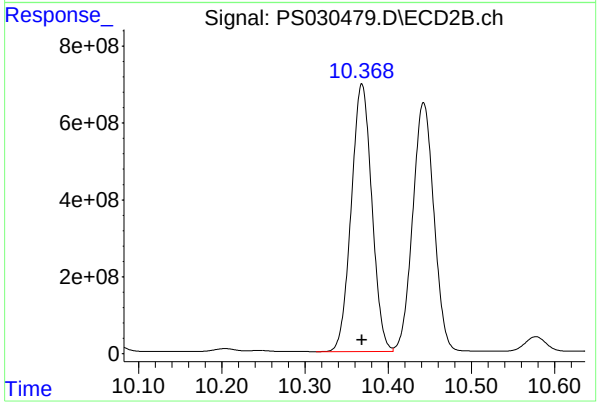
#11 2,4,5-TP (SILVEX)

R.T.: 9.942 min
Delta R.T.: 0.000 min
Response: 12543207195
Conc: 945.21 ng/ml



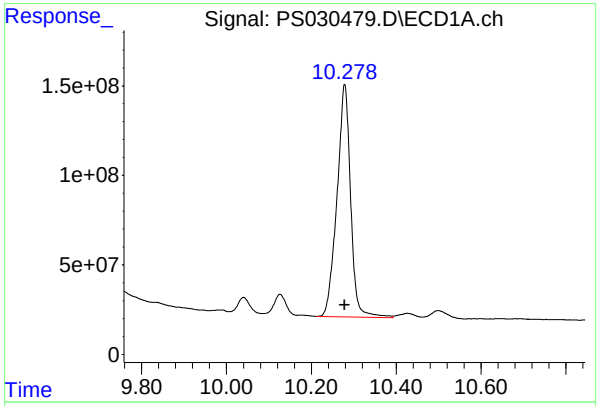
#12 2,4,5-T

R.T.: 9.698 min
Delta R.T.: 0.000 min
Response: 17257522095
Conc: 947.49 ng/ml



#12 2,4,5-T

R.T.: 10.369 min
Delta R.T.: 0.000 min
Response: 11981320543
Conc: 945.77 ng/ml



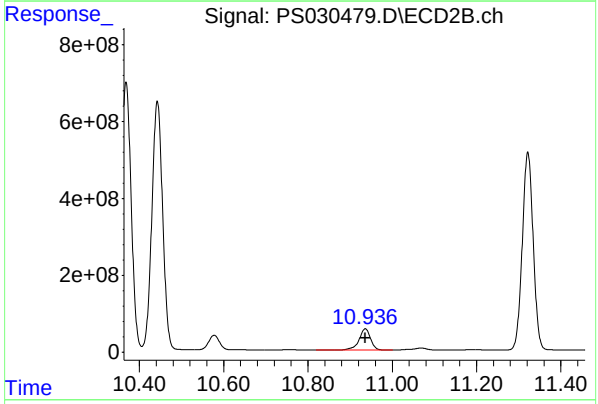
#13 2,4-DB

R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 2902395028
Conc: 960.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

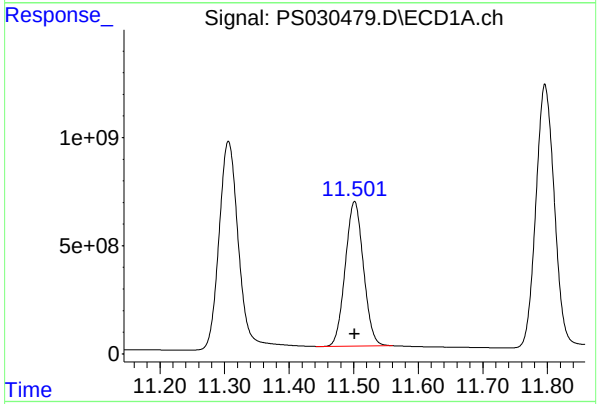
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



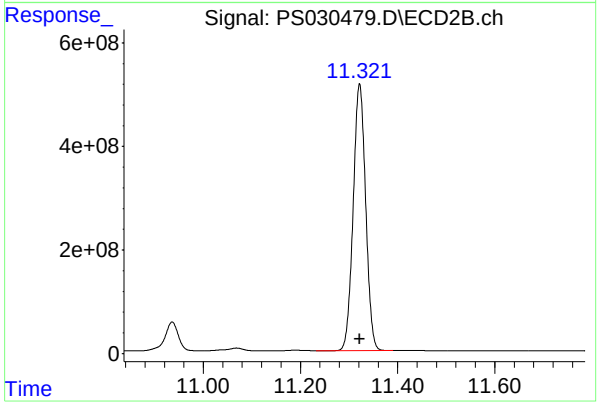
#13 2,4-DB

R.T.: 10.936 min
Delta R.T.: 0.000 min
Response: 1043246406
Conc: 946.75 ng/ml



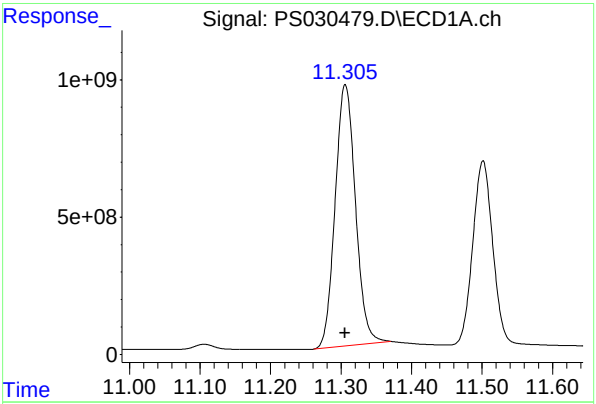
#14 DINOSEB

R.T.: 11.502 min
Delta R.T.: 0.000 min
Response: 13073300358
Conc: 936.55 ng/ml



#14 DINOSEB

R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 9197295147
Conc: 941.11 ng/ml



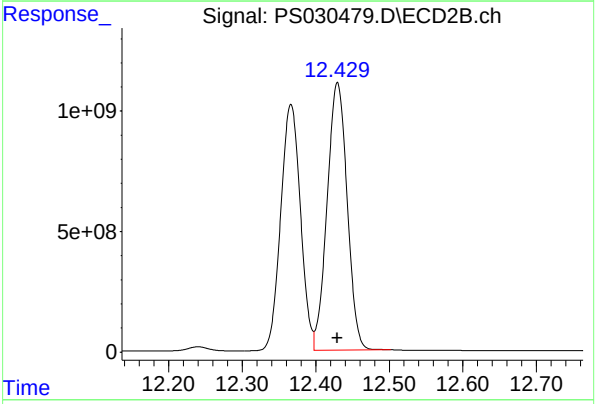
#15 Picloram

R.T.: 11.306 min
Delta R.T.: 0.000 min
Response: 19105824198
Conc: 956.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

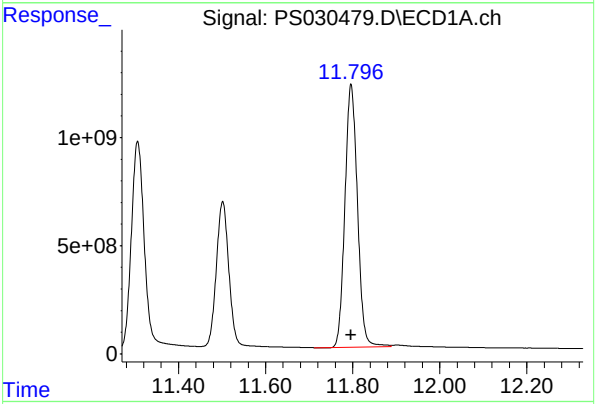
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



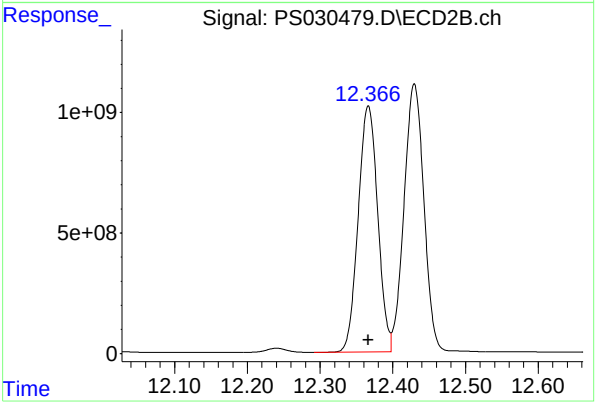
#15 Picloram

R.T.: 12.430 min
Delta R.T.: 0.000 min
Response: 21004362006
Conc: 954.66 ng/ml



#16 DCPA

R.T.: 11.796 min
Delta R.T.: 0.000 min
Response: 24258137091
Conc: 948.26 ng/ml



#16 DCPA

R.T.: 12.366 min
Delta R.T.: 0.000 min
Response: 19020400196
Conc: 954.28 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:55
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:20:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 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	7.369	7.774	5114.5E6	1442.5E6	1359.285m	1341.054
	Target Compounds						
1) T	Dalapon	2.720	2.710	7077.3E6	3477.6E6	1253.287	1269.202
2) T	3,5-DICHL...	6.524	6.717	6773.8E6	1999.9E6	1248.313	1278.513
3) T	4-Nitroph...	7.167	7.304	2318.6E6	2042.6E6	1264.396	1303.306
5) T	DICAMBA	7.561	7.978	19988.9E6	8628.3E6	1296.086	1339.458
6) T	MCPP	7.749	8.083	1498.2E6	327.1E6	151.254	141.524
7) T	MCPA	7.901	8.334	1789.5E6	447.1E6	141.023	144.658m
8) T	DICHLORPROP	8.278	8.699	4624.4E6	1892.3E6	1271.075	1274.928
9) T	2,4-D	8.511	9.035	4698.9E6	2022.8E6	1289.626	1286.504
10) T	Pentachlo...	8.830	9.563	52360.6E6	44299.7E6	1031.002	1225.847
11) T	2,4,5-TP ...	9.403	9.942	26760.6E6	17924.0E6	1294.969	1306.726
12) T	2,4,5-T	9.697	10.368	24470.3E6	17161.6E6	1327.668	1314.350
13) T	2,4-DB	10.277	10.935	4249.5E6	1517.5E6	1399.547	1320.041
14) T	DINOSEB	11.501	11.322	18597.9E6	13281.7E6	1293.774	1321.547
15) T	Picloram	11.306	12.430	27906.5E6	30398.4E6	1394.990	1376.496
16) T	DCPA	11.797	12.367	33946.6E6	26887.9E6	1283.906	1313.980

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:55
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

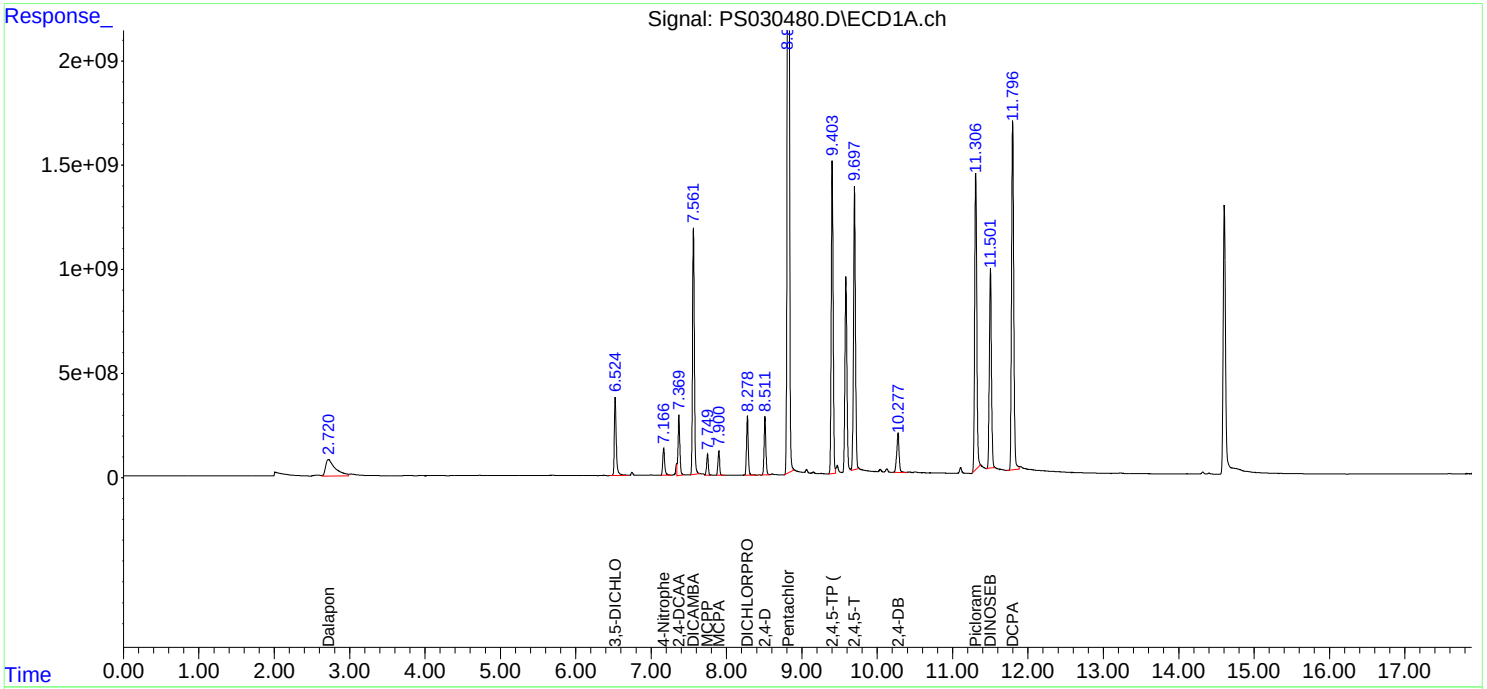
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

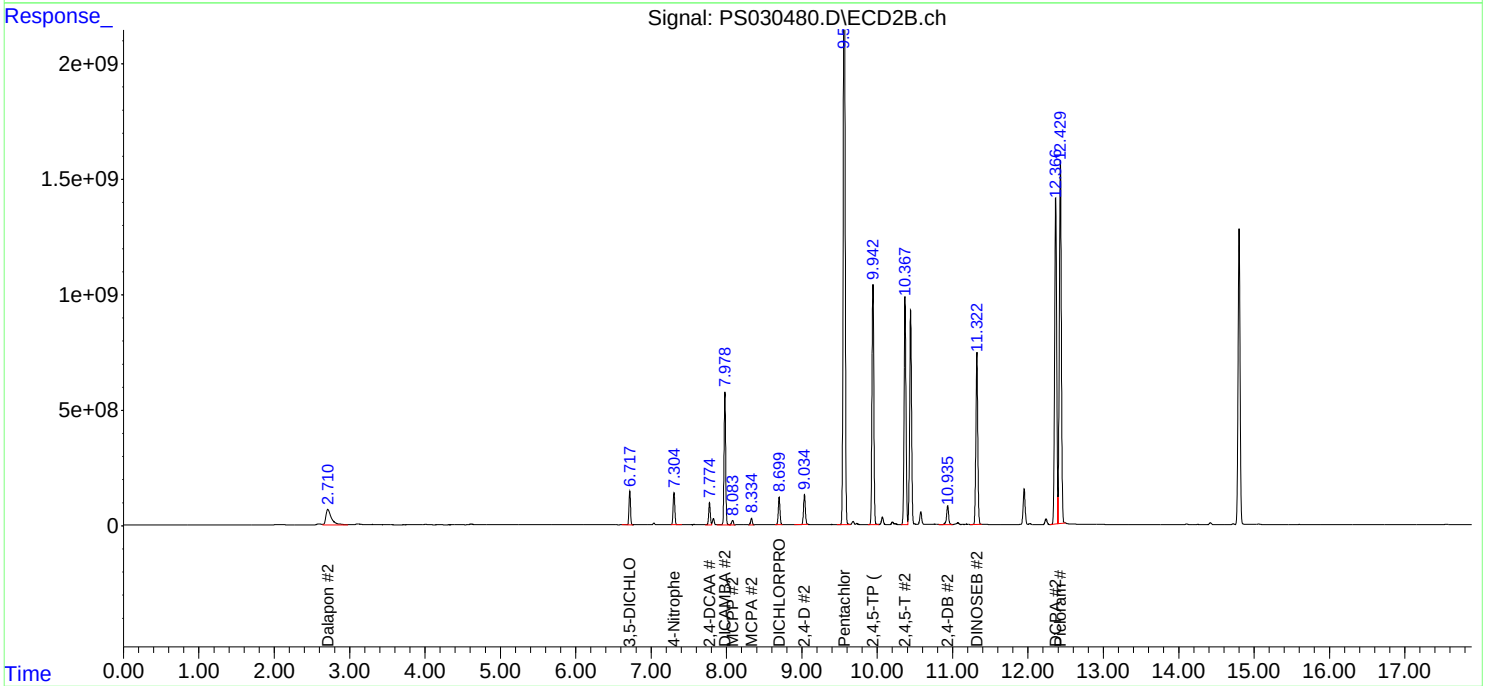
Manual Integrations APPROVED

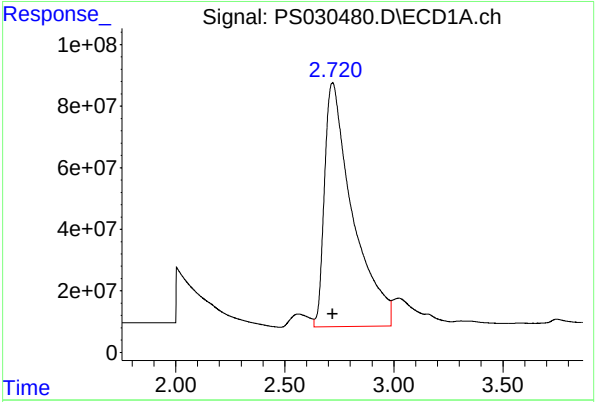
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:20:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 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







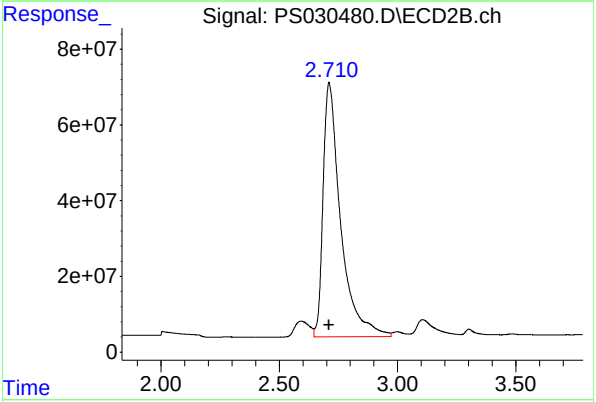
#1 Dalapon

R.T.: 2.720 min
Delta R.T.: 0.000 min
Response: 7077278651
Conc: 1253.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

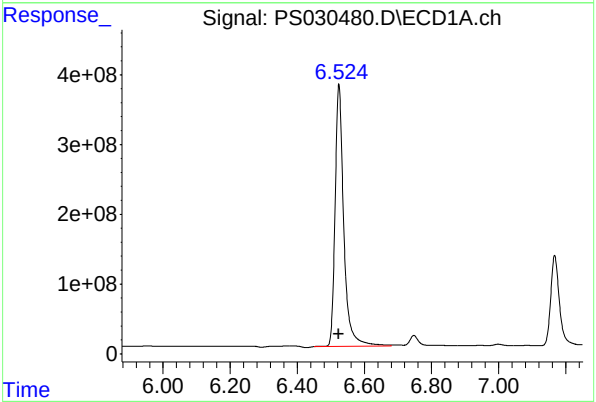
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



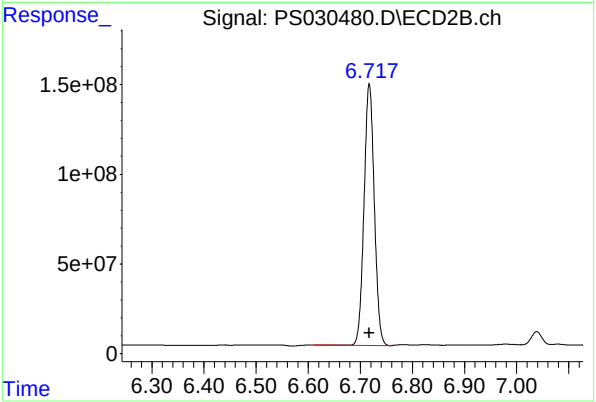
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 3477632975
Conc: 1269.20 ng/ml



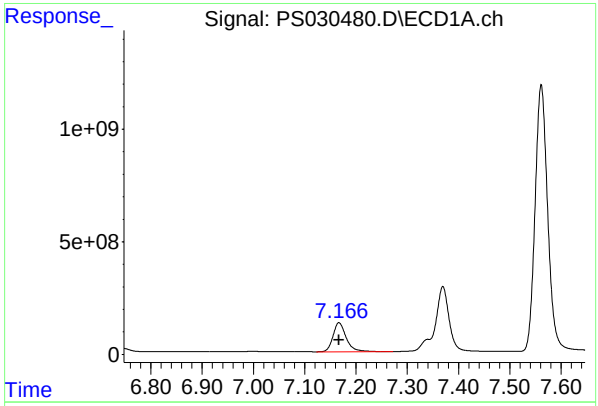
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 6773783620
Conc: 1248.31 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 1999910908
Conc: 1278.51 ng/ml



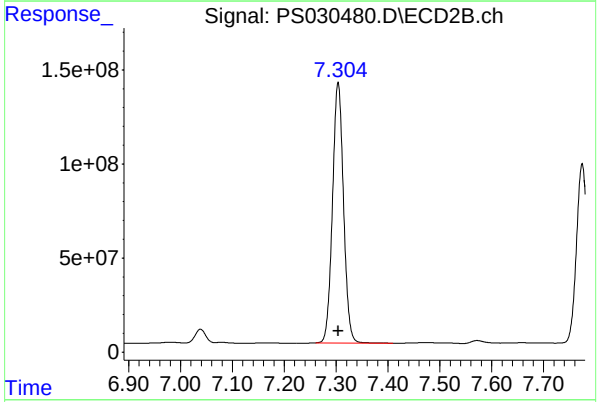
#3 4-Nitrophenol

R.T.: 7.167 min
Delta R.T.: 0.000 mi
Response: 2318592798
Conc: 1264.40 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

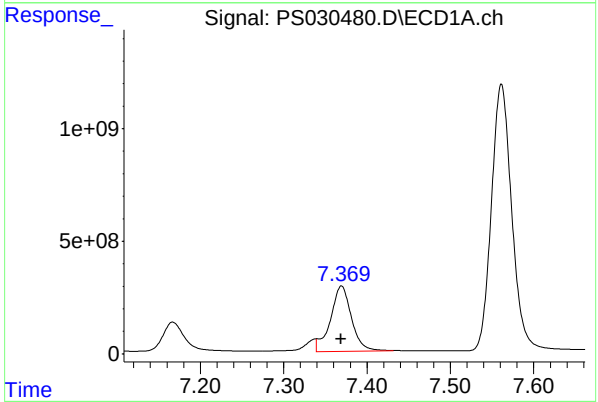
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



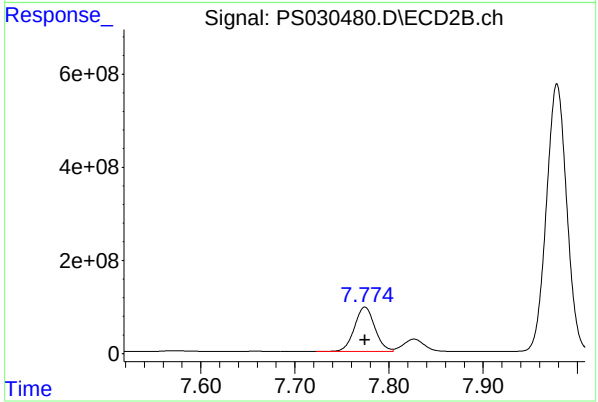
#3 4-Nitrophenol

R.T.: 7.304 min
Delta R.T.: 0.000 min
Response: 2042597348
Conc: 1303.31 ng/ml



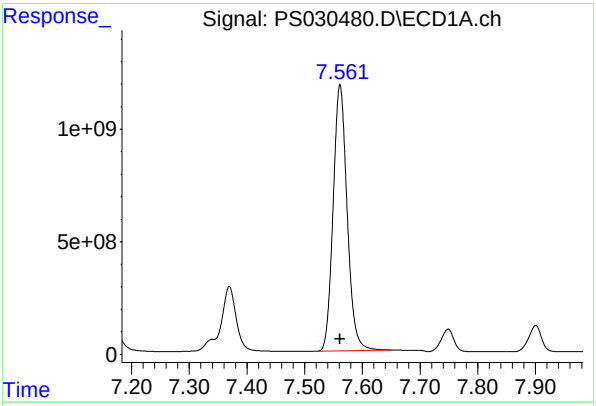
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 5114542322
Conc: 1359.29 ng/ml m



#4 2,4-DCAA

R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 1442451493
Conc: 1341.05 ng/ml



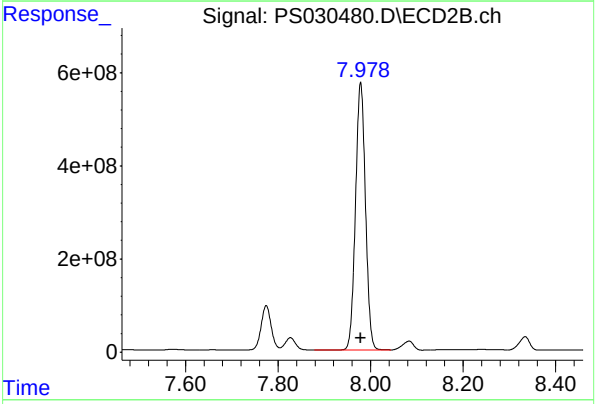
#5 DICAMBA

R.T.: 7.561 min
Delta R.T.: 0.000 mi
Response: 19988929155
Conc: 1296.09 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

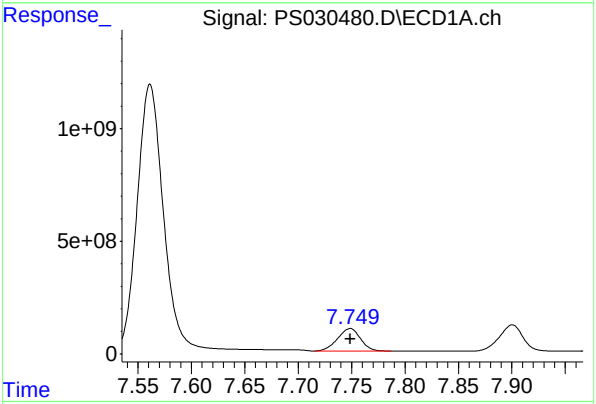
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



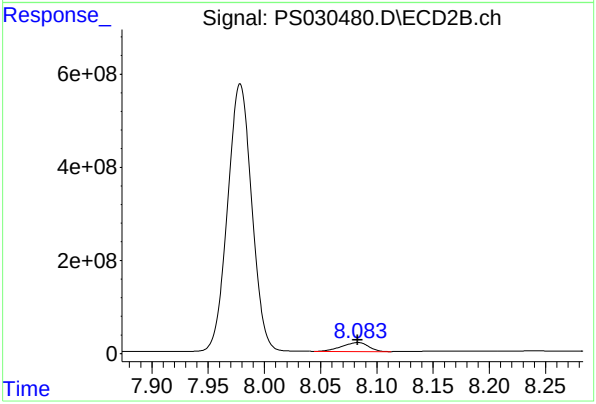
#5 DICAMBA

R.T.: 7.978 min
Delta R.T.: 0.000 min
Response: 8628314157
Conc: 1339.46 ng/ml



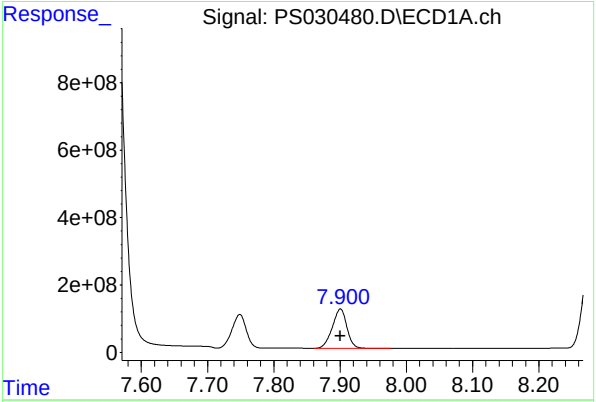
#6 MCPP

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 1498158976
Conc: 151.25 ug/ml



#6 MCPP

R.T.: 8.083 min
Delta R.T.: 0.000 min
Response: 327146473
Conc: 141.52 ug/ml



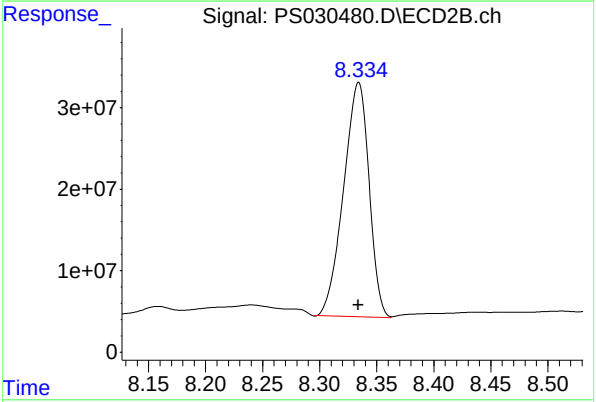
#7 MCPA

R.T.: 7.901 min
Delta R.T.: 0.000 mi
Response: 1789492554
Conc: 141.02 ug/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

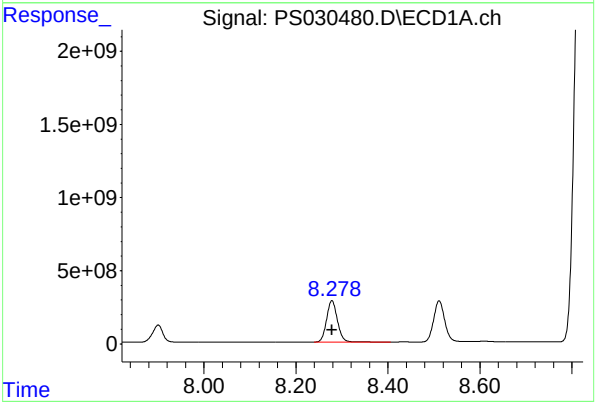
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



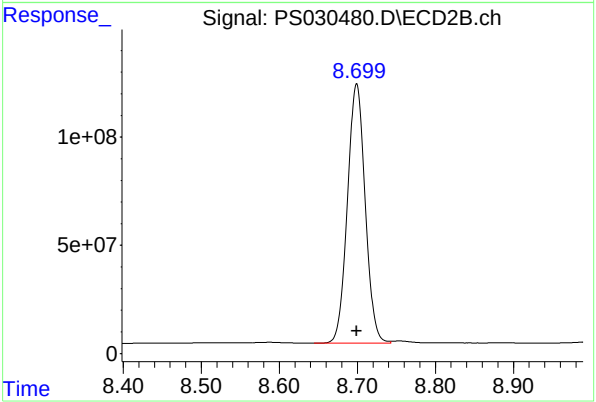
#7 MCPA

R.T.: 8.334 min
Delta R.T.: 0.000 min
Response: 447057237
Conc: 144.66 ug/ml m



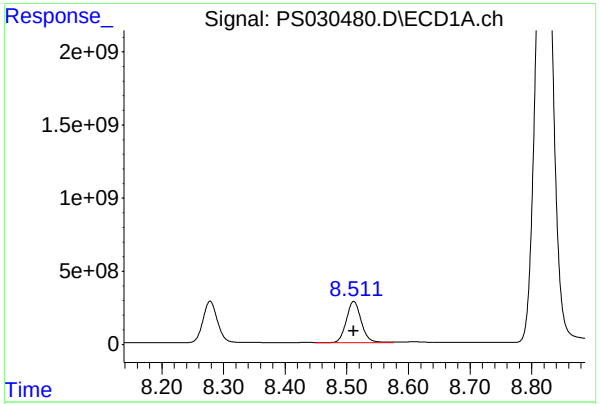
#8 DICHLORPROP

R.T.: 8.278 min
Delta R.T.: 0.000 min
Response: 4624355651
Conc: 1271.07 ng/ml



#8 DICHLORPROP

R.T.: 8.699 min
Delta R.T.: 0.000 min
Response: 1892253090
Conc: 1274.93 ng/ml



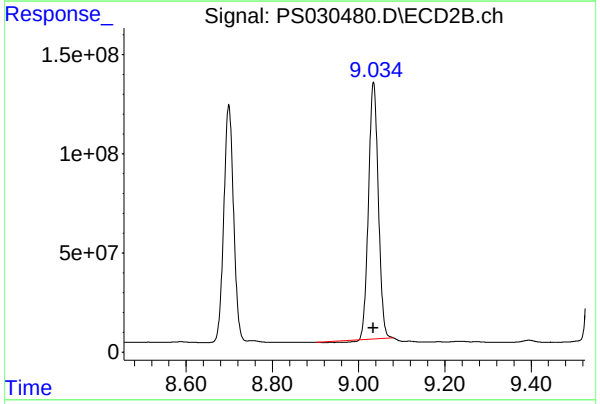
#9 2,4-D

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 4698897307
Conc: 1289.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

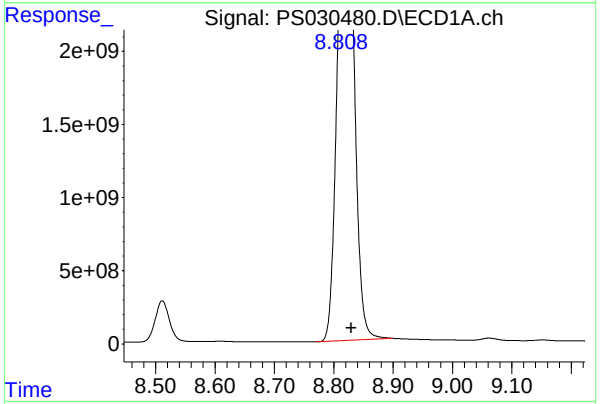
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



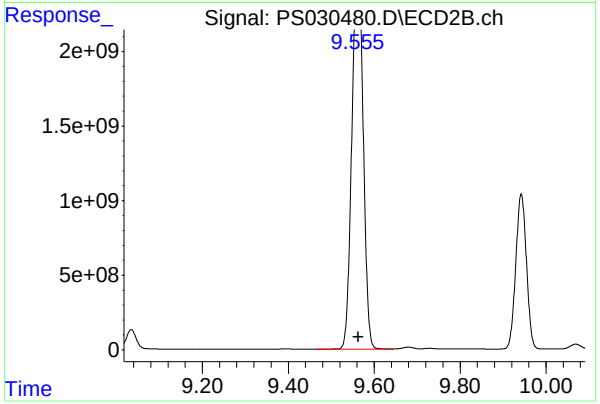
#9 2,4-D

R.T.: 9.035 min
Delta R.T.: 0.000 min
Response: 2022797528
Conc: 1286.50 ng/ml



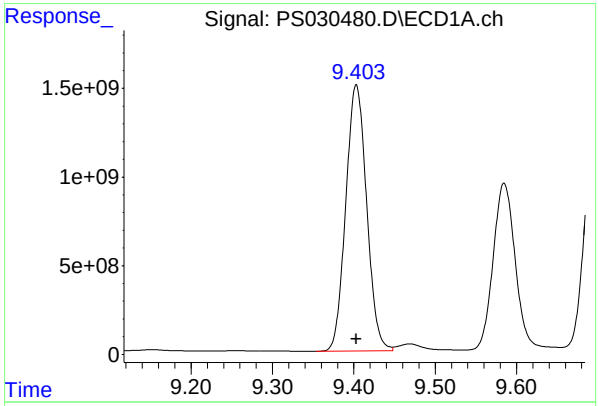
#10 Pentachlorophenol

R.T.: 8.830 min
Delta R.T.: 0.000 min
Response: 52360640609
Conc: 1031.00 ng/ml



#10 Pentachlorophenol

R.T.: 9.563 min
Delta R.T.: 0.000 min
Response: 44299685584
Conc: 1225.85 ng/ml



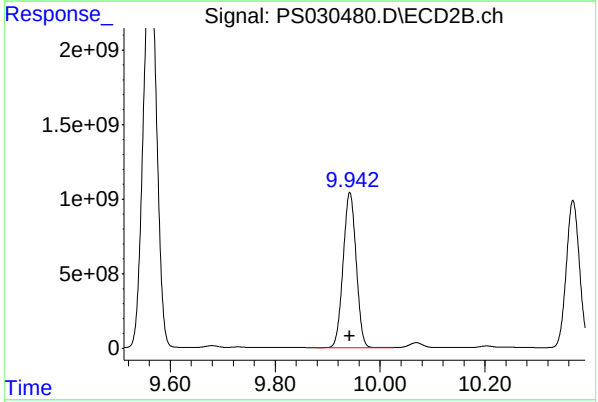
#11 2,4,5-TP (SILVEX)

R.T.: 9.403 min
Delta R.T.: 0.000 min
Response: 26760643441
Conc: 1294.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

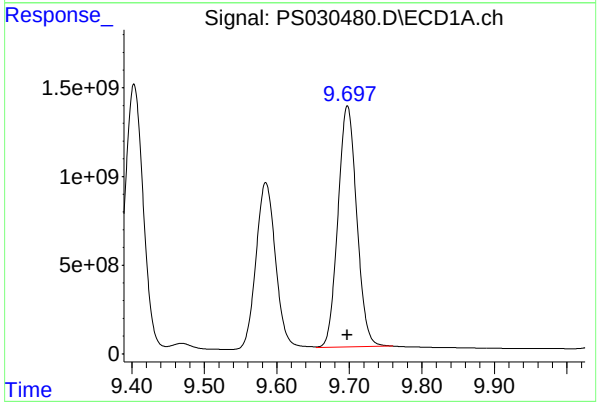
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



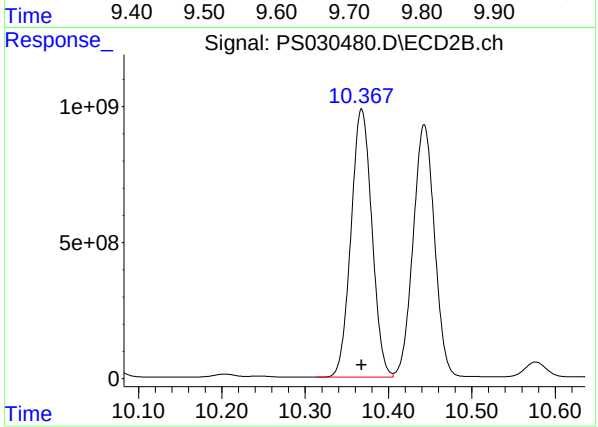
#11 2,4,5-TP (SILVEX)

R.T.: 9.942 min
Delta R.T.: 0.000 min
Response: 17924028897
Conc: 1306.73 ng/ml



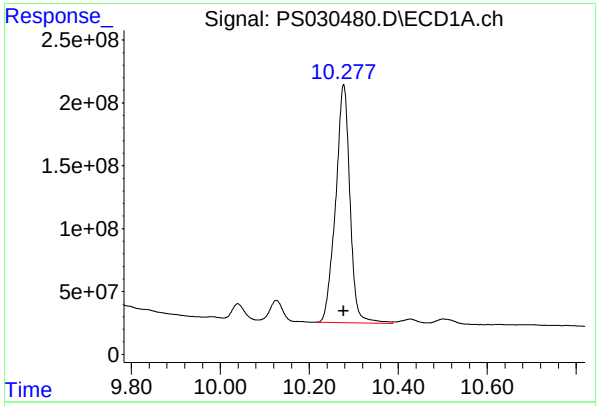
#12 2,4,5-T

R.T.: 9.697 min
Delta R.T.: 0.000 min
Response: 24470332149
Conc: 1327.67 ng/ml



#12 2,4,5-T

R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 17161639918
Conc: 1314.35 ng/ml



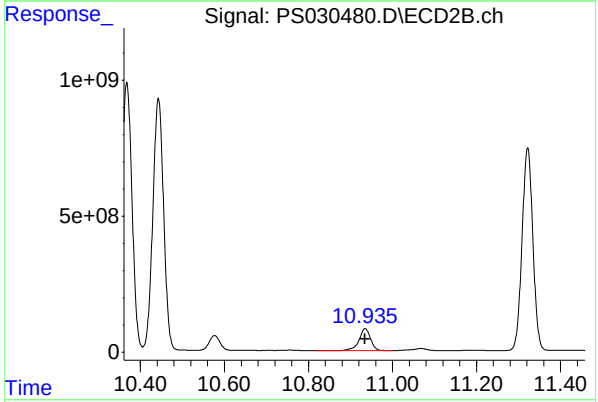
#13 2,4-DB

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 4249534275
Conc: 1399.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

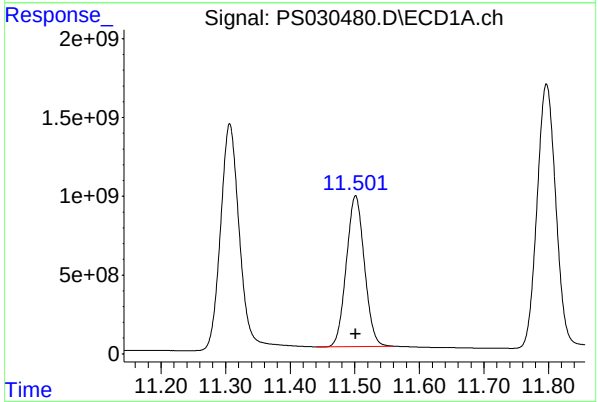
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



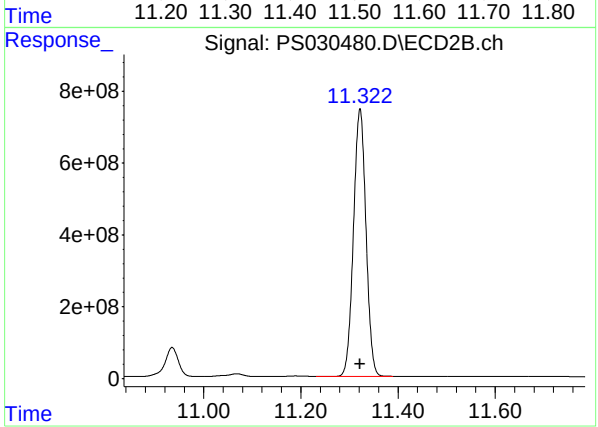
#13 2,4-DB

R.T.: 10.935 min
Delta R.T.: 0.000 min
Response: 1517456822
Conc: 1320.04 ng/ml



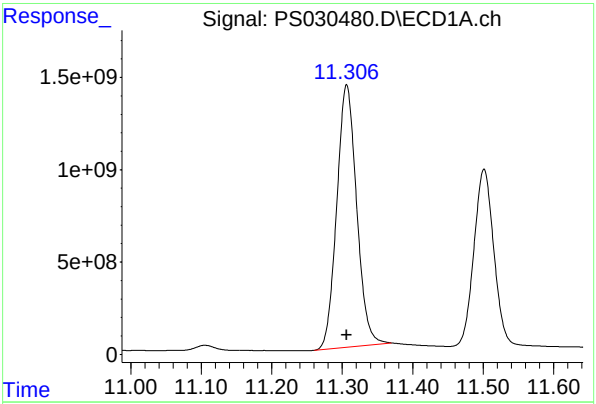
#14 DINOSEB

R.T.: 11.501 min
Delta R.T.: 0.000 min
Response: 18597915237
Conc: 1293.77 ng/ml



#14 DINOSEB

R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 13281702152
Conc: 1321.55 ng/ml



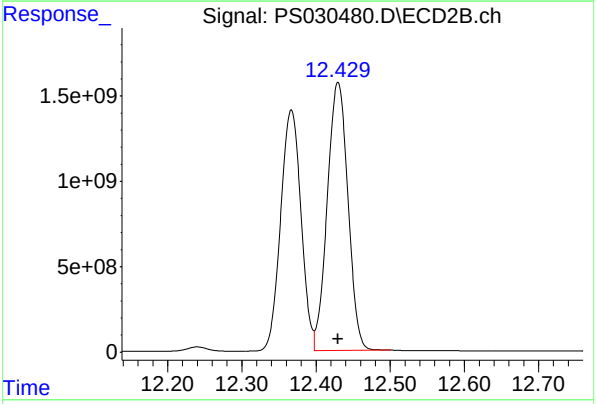
#15 Picloram

R.T.: 11.306 min
Delta R.T.: 0.000 min
Response: 27906504504
Conc: 1394.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

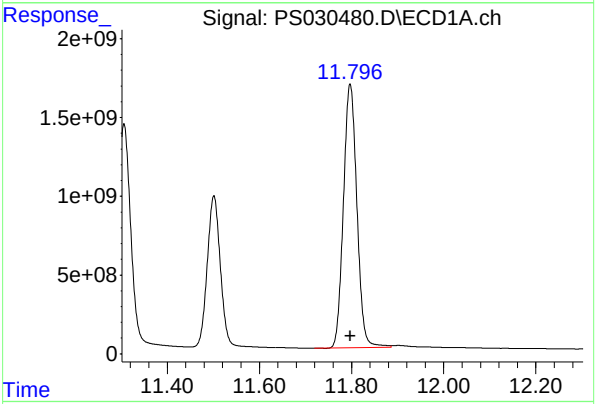
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



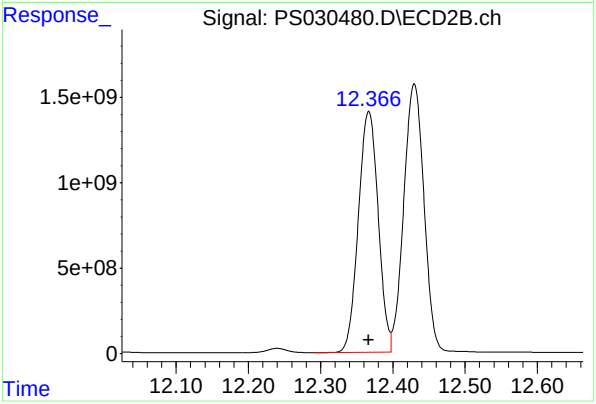
#15 Picloram

R.T.: 12.430 min
Delta R.T.: 0.000 min
Response: 30398367280
Conc: 1376.50 ng/ml



#16 DCPA

R.T.: 11.797 min
Delta R.T.: 0.000 min
Response: 33946607466
Conc: 1283.91 ng/ml



#16 DCPA

R.T.: 12.367 min
Delta R.T.: 0.000 min
Response: 26887890724
Conc: 1313.98 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 13:35
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:09:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.370	7.771	2779.2E6	744.7E6	736.179m	692.376
		Target Compounds						
1)	T	Dalapon	2.714	2.705	3877.5E6	1823.2E6	686.652	665.381
2)	T	3,5-DICHL...	6.525	6.713	3695.4E6	1043.6E6	681.009	667.130
3)	T	4-Nitroph...	7.169	7.300	1225.8E6	1032.9E6	668.475	659.037
5)	T	DICAMBA	7.563	7.975	10727.3E6	4354.5E6	695.557	675.993
6)	T	MCPP	7.746	8.074	698.1E6	157.4E6	70.484	68.090
7)	T	MCPA	7.897	8.324	861.2E6	203.6E6	67.866	65.964
8)	T	DICHLORPROP	8.281	8.695	2469.0E6	997.8E6	678.655	672.256
9)	T	2,4-D	8.514	9.031	2588.4E6	1072.3E6	710.397	682.017
10)	T	Pentachlo...	8.823	9.558	38130.8E6	25498.1E6	750.811	705.574
11)	T	2,4,5-TP ...	9.406	9.939	14651.6E6	9473.2E6	709.003	690.633
12)	T	2,4,5-T	9.700	10.366	13151.1E6	9065.2E6	713.527	694.273
13)	T	2,4-DB	10.282	10.933	2193.0E6	785.8E6	722.260	683.578
14)	T	DINOSEB	11.505	11.320	10027.6E6	6923.3E6	697.574	688.879
15)	T	Picloram	11.310	12.428	14073.5E6	15641.1E6	703.508	708.260
16)	T	DCPA	11.801	12.365	19004.7E6	14438.0E6	718.784	705.569

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 13:35
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

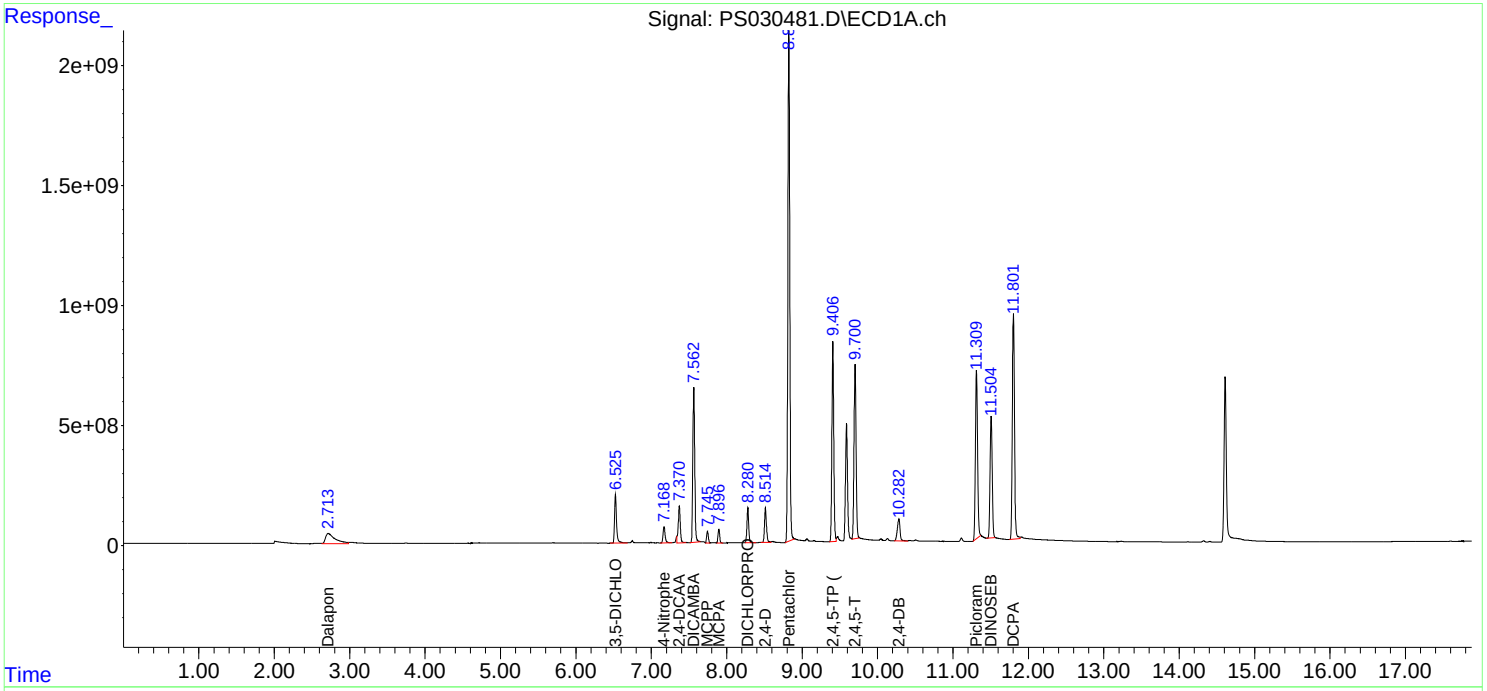
Instrument :
ECD_S
ClientSampleId :
ICVPS060425

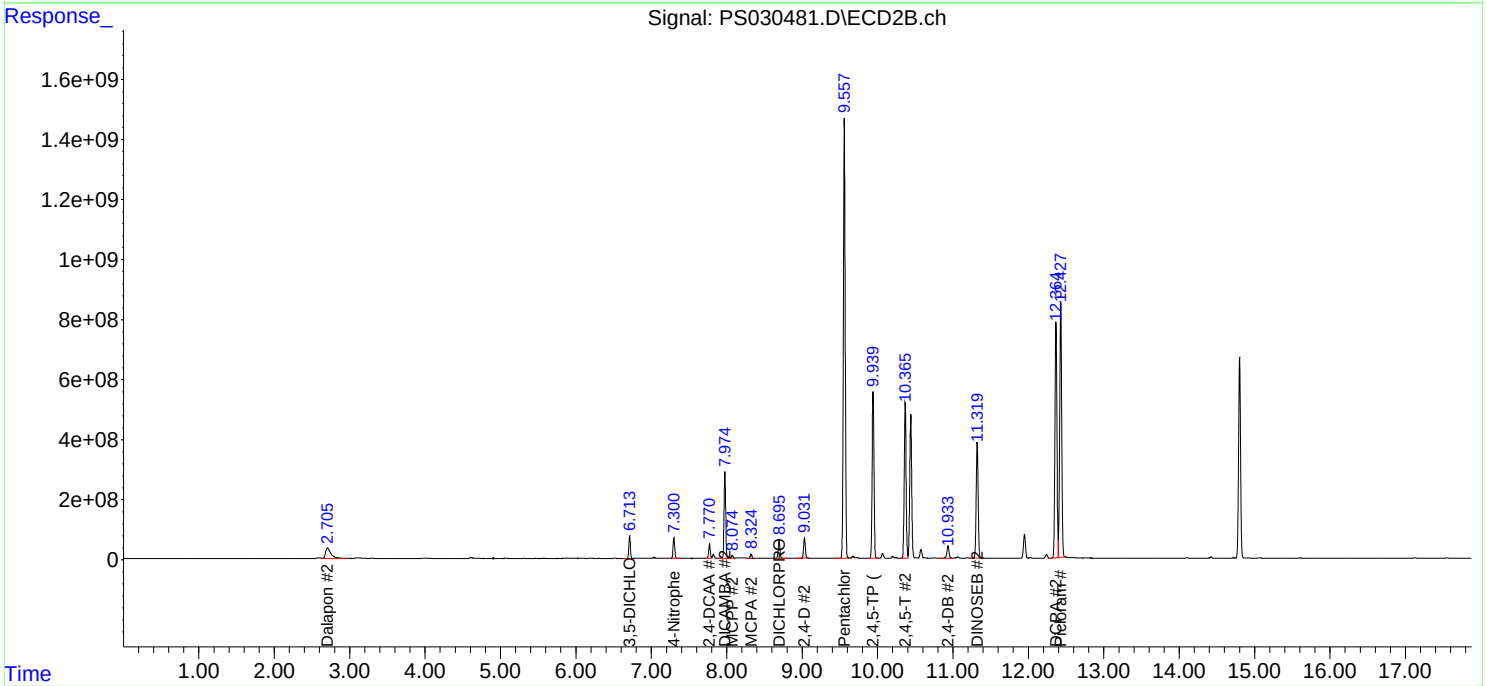
Manual Integrations APPROVED

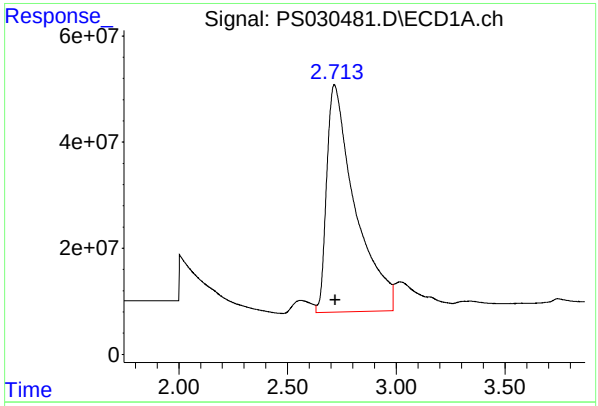
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:09:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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







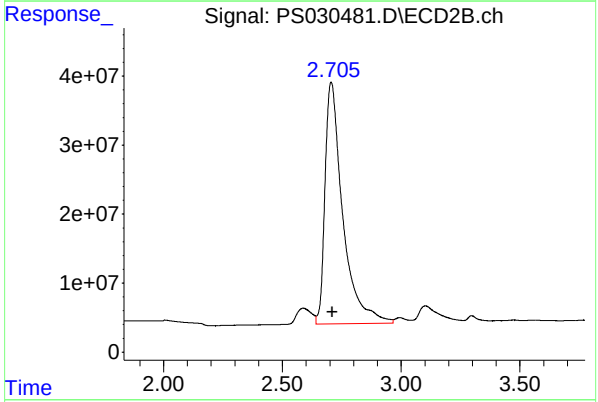
#1 Dalapon

R.T.: 2.714 min
Delta R.T.: -0.006 min
Response: 3877503909
Conc: 686.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

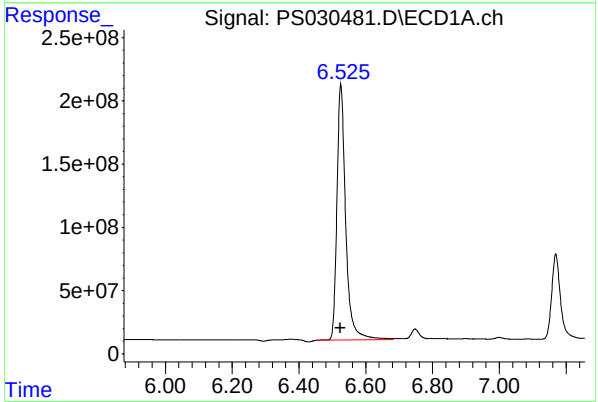
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



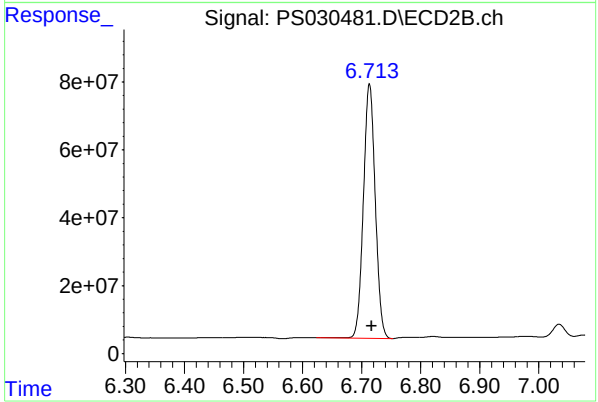
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: -0.005 min
Response: 1823153282
Conc: 665.38 ng/ml



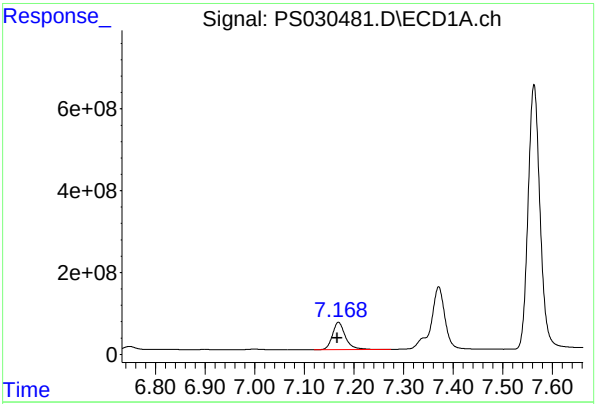
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.525 min
Delta R.T.: 0.001 min
Response: 3695395389
Conc: 681.01 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: -0.004 min
Response: 1043556693
Conc: 667.13 ng/ml



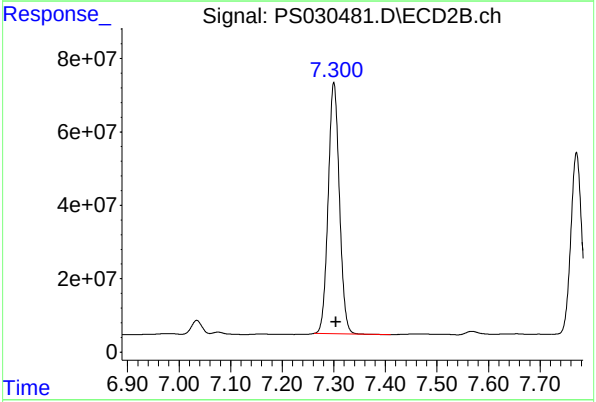
#3 4-Nitrophenol

R.T.: 7.169 min
Delta R.T.: 0.002 mi
Response: 1225819458
Conc: 668.47 ng/m

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

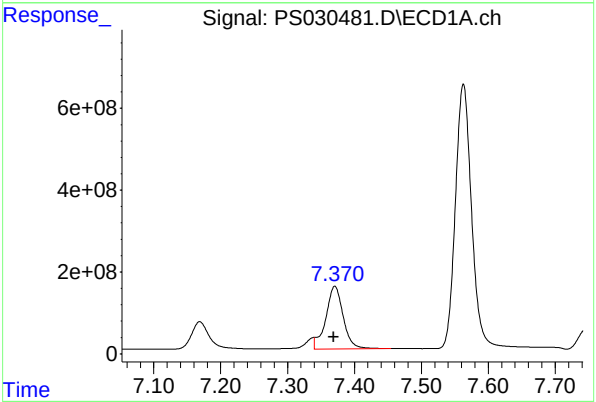
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



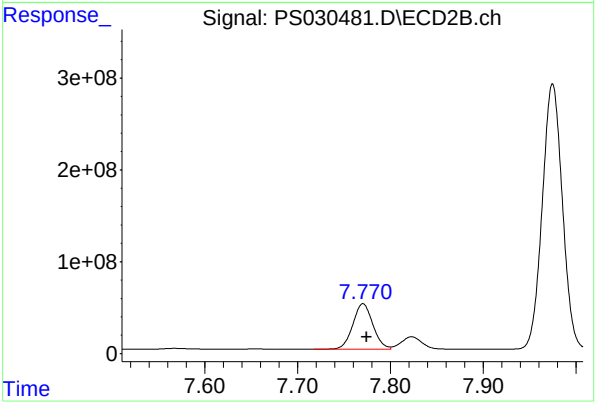
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.004 min
Response: 1032871574
Conc: 659.04 ng/ml



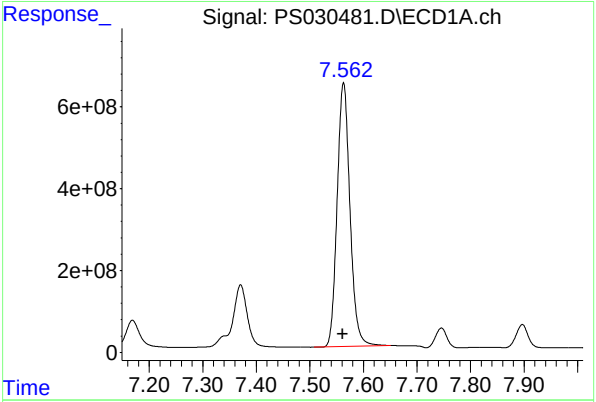
#4 2,4-DCAA

R.T.: 7.370 min
Delta R.T.: 0.001 min
Response: 2779181160
Conc: 736.18 ng/ml m



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: -0.004 min
Response: 744726314
Conc: 692.38 ng/ml



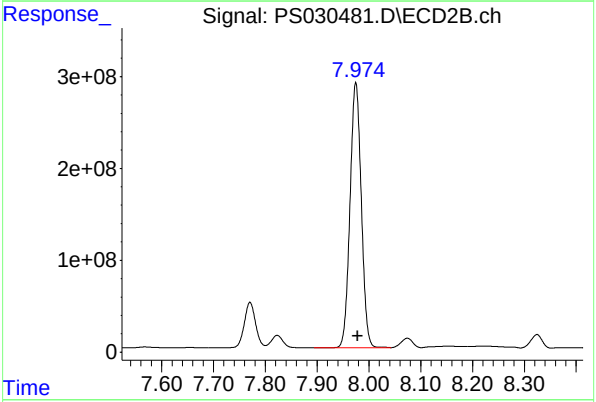
#5 DICAMBA

R.T.: 7.563 min
Delta R.T.: 0.002 min
Response: 10727256402
Conc: 695.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

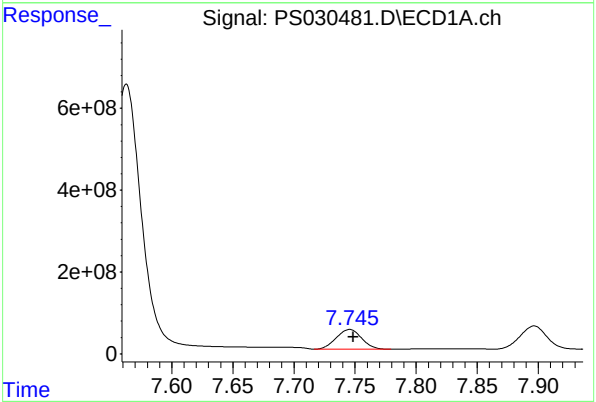
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



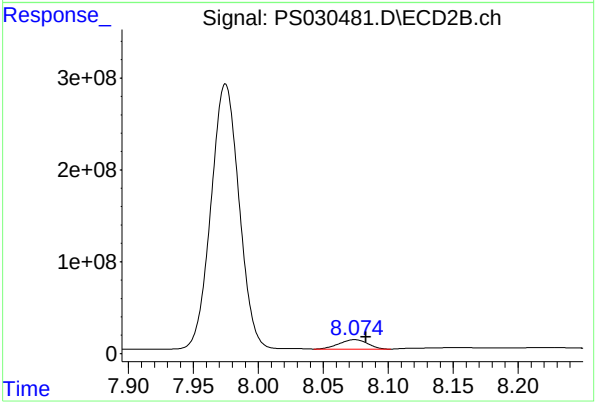
#5 DICAMBA

R.T.: 7.975 min
Delta R.T.: -0.004 min
Response: 4354510143
Conc: 675.99 ng/ml



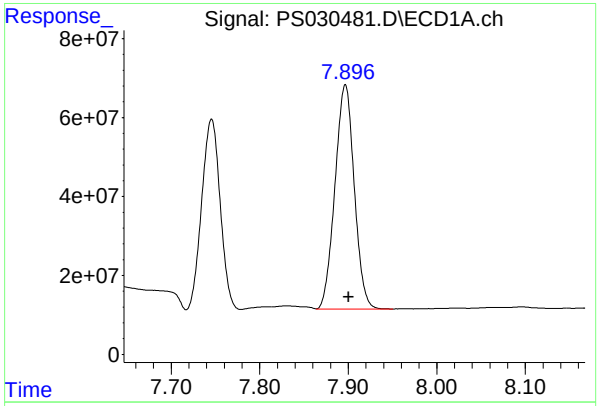
#6 MCPP

R.T.: 7.746 min
Delta R.T.: -0.003 min
Response: 698139097
Conc: 70.48 ug/ml



#6 MCPP

R.T.: 8.074 min
Delta R.T.: -0.009 min
Response: 157396923
Conc: 68.09 ug/ml



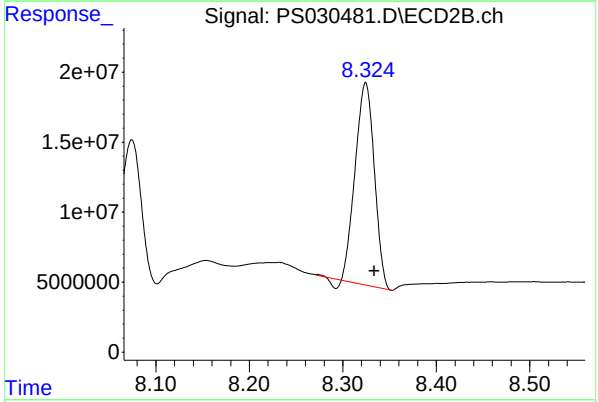
#7 MCPA

R.T.: 7.897 min
Delta R.T.: -0.004 min
Response: 861173508
Conc: 67.87 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

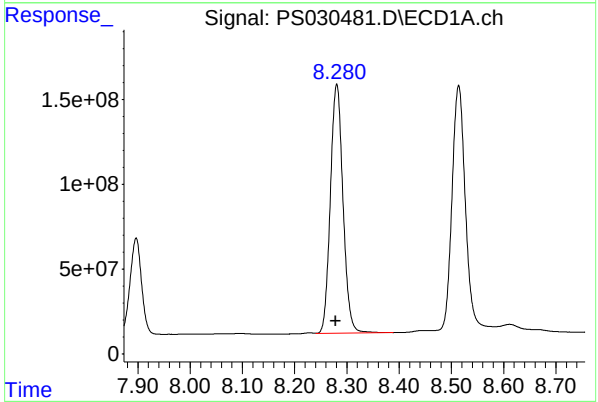
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



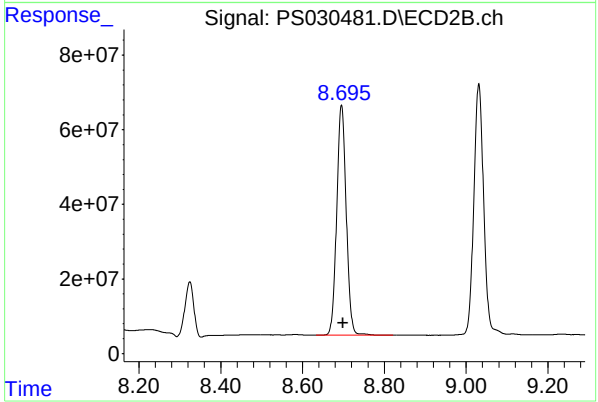
#7 MCPA

R.T.: 8.324 min
Delta R.T.: -0.009 min
Response: 203558957
Conc: 65.96 ug/ml



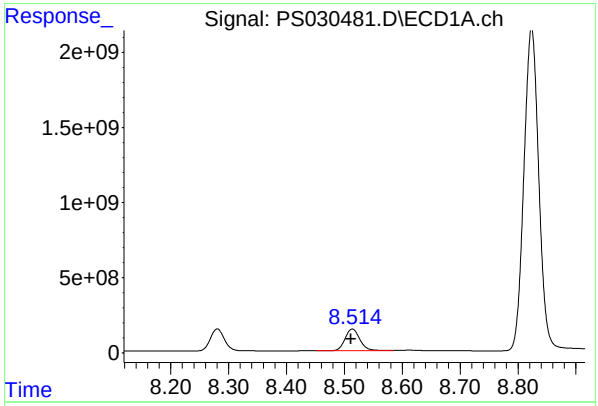
#8 DICHLORPROP

R.T.: 8.281 min
Delta R.T.: 0.002 min
Response: 2469046936
Conc: 678.66 ng/ml



#8 DICHLORPROP

R.T.: 8.695 min
Delta R.T.: -0.004 min
Response: 997765380
Conc: 672.26 ng/ml



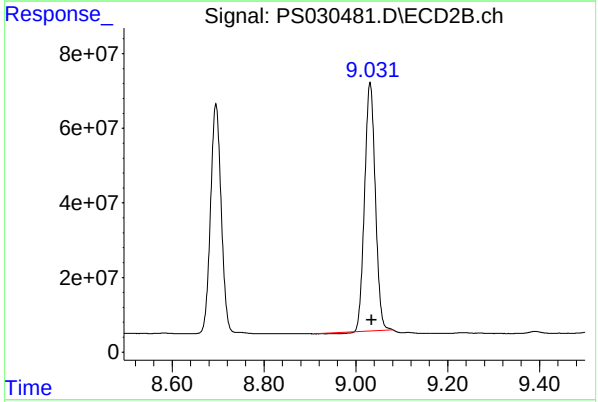
#9 2,4-D

R.T.: 8.514 min
Delta R.T.: 0.003 min
Response: 2588411056
Conc: 710.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

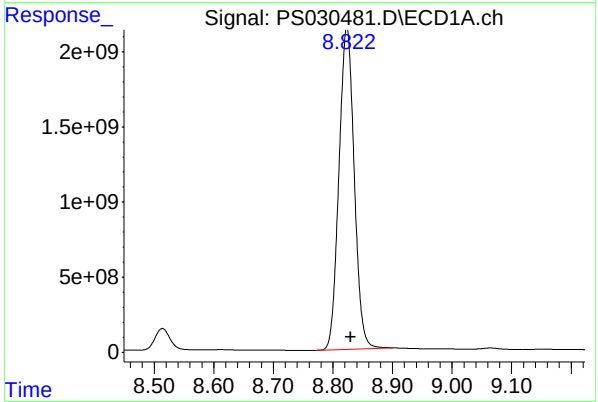
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



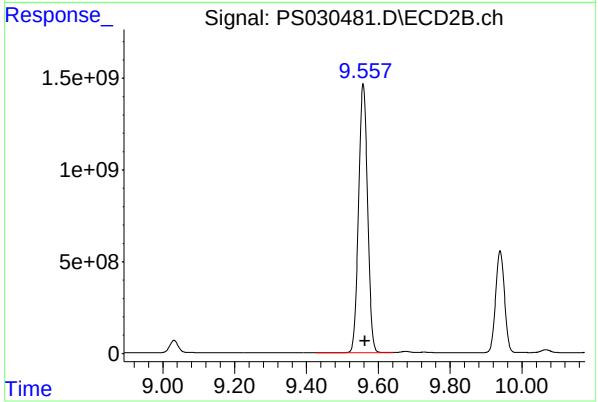
#9 2,4-D

R.T.: 9.031 min
Delta R.T.: -0.003 min
Response: 1072349642
Conc: 682.02 ng/ml



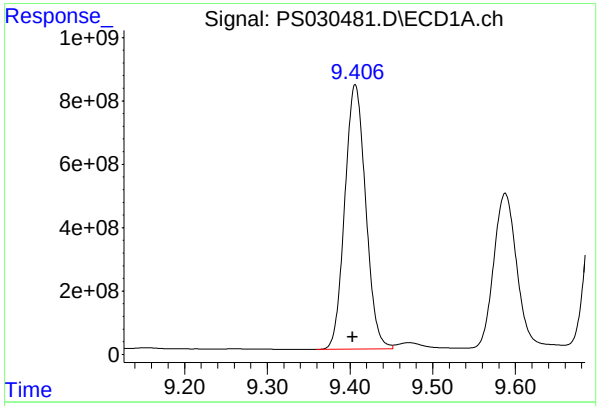
#10 Pentachlorophenol

R.T.: 8.823 min
Delta R.T.: -0.006 min
Response: 38130836938
Conc: 750.81 ng/ml



#10 Pentachlorophenol

R.T.: 9.558 min
Delta R.T.: -0.005 min
Response: 25498059608
Conc: 705.57 ng/ml



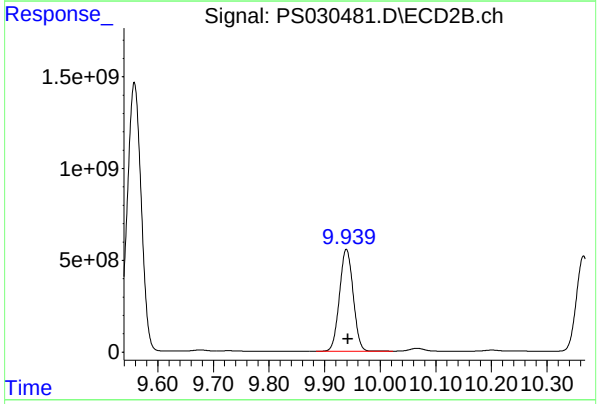
#11 2,4,5-TP (SILVEX)

R.T.: 9.406 min
Delta R.T.: 0.003 min
Response: 14651605930
Conc: 709.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

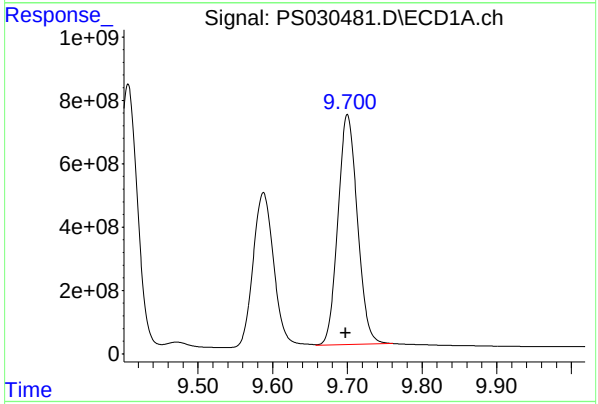
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



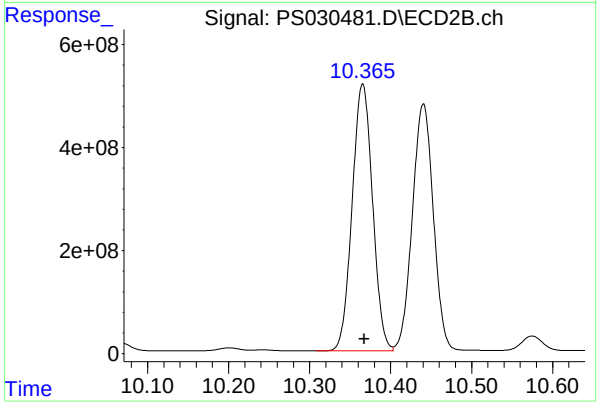
#11 2,4,5-TP (SILVEX)

R.T.: 9.939 min
Delta R.T.: -0.003 min
Response: 9473236191
Conc: 690.63 ng/ml



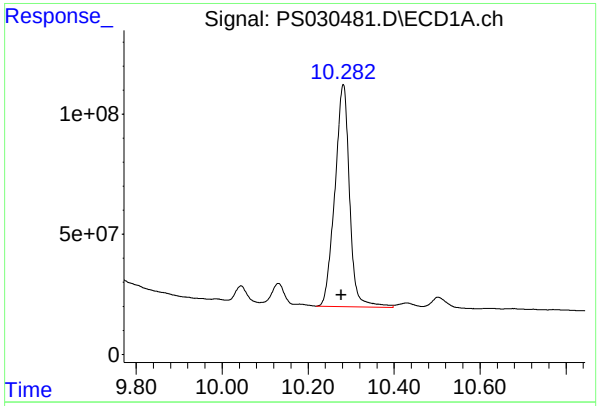
#12 2,4,5-T

R.T.: 9.700 min
Delta R.T.: 0.003 min
Response: 13151066580
Conc: 713.53 ng/ml



#12 2,4,5-T

R.T.: 10.366 min
Delta R.T.: -0.002 min
Response: 9065212692
Conc: 694.27 ng/ml



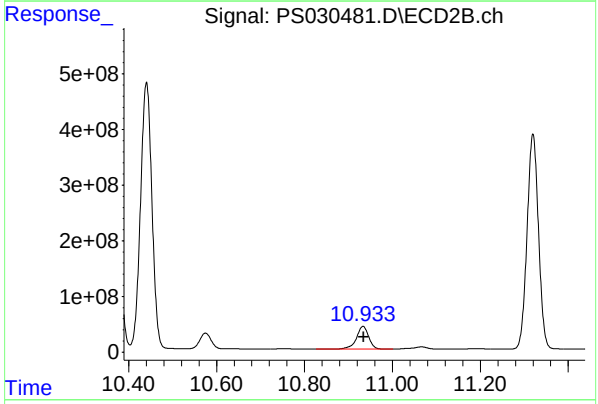
#13 2,4-DB

R.T.: 10.282 min
Delta R.T.: 0.004 min
Response: 2193044082
Conc: 722.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

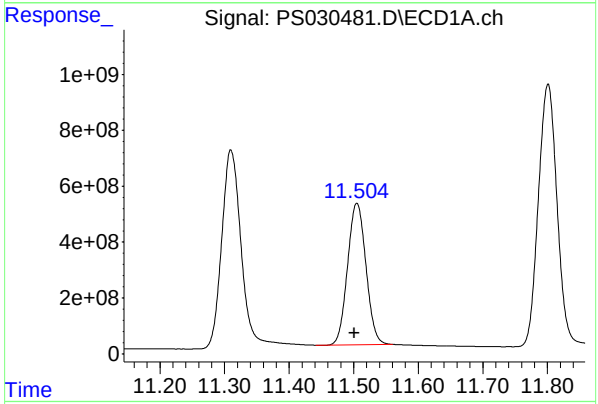
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



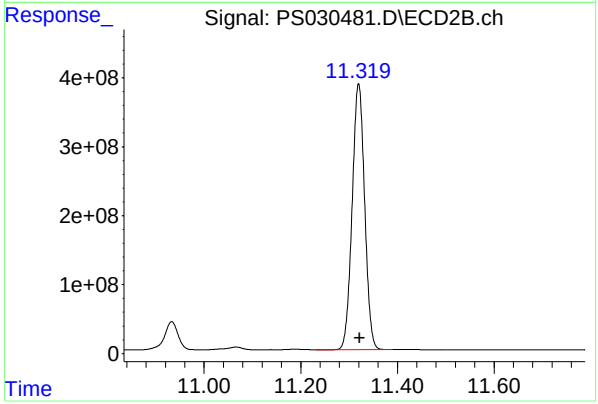
#13 2,4-DB

R.T.: 10.933 min
Delta R.T.: -0.002 min
Response: 785808946
Conc: 683.58 ng/ml



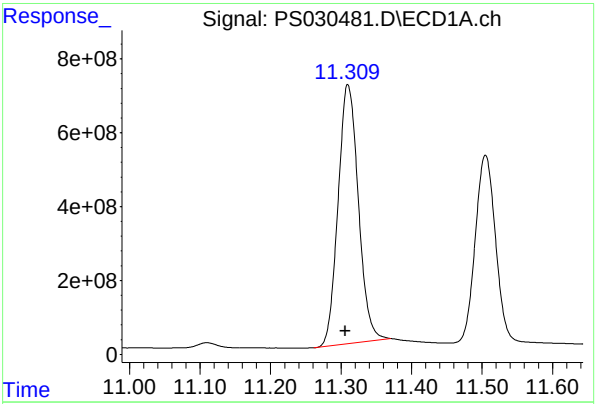
#14 DINOSEB

R.T.: 11.505 min
Delta R.T.: 0.004 min
Response: 10027585725
Conc: 697.57 ng/ml



#14 DINOSEB

R.T.: 11.320 min
Delta R.T.: -0.002 min
Response: 6923310895
Conc: 688.88 ng/ml



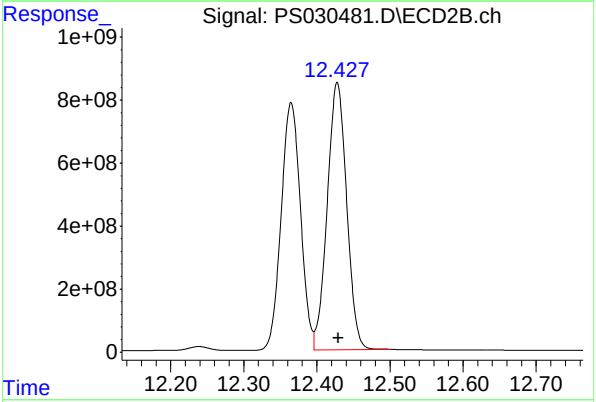
#15 Picloram

R.T.: 11.310 min
Delta R.T.: 0.003 min
Response: 14073547375
Conc: 703.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

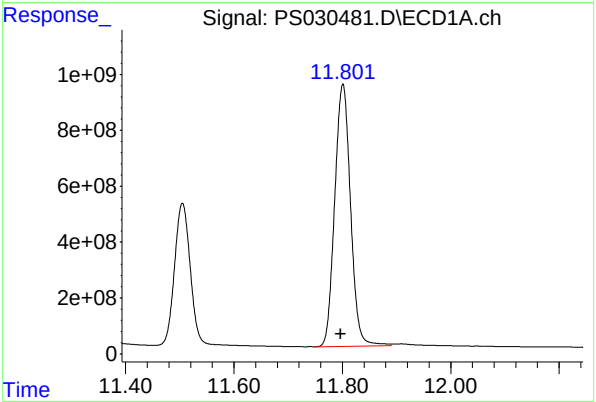
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



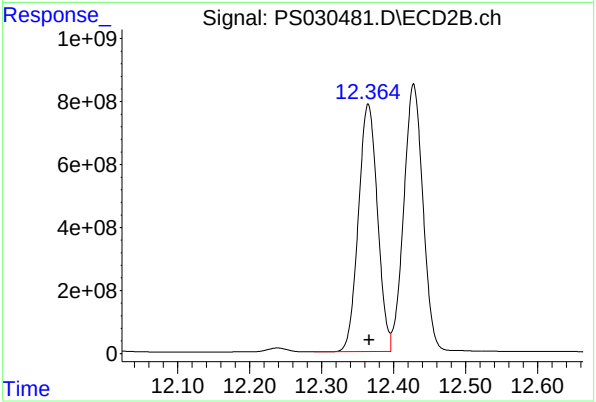
#15 Picloram

R.T.: 12.428 min
Delta R.T.: -0.002 min
Response: 15641129754
Conc: 708.26 ng/ml



#16 DCPA

R.T.: 11.801 min
Delta R.T.: 0.004 min
Response: 19004717317
Conc: 718.78 ng/ml



#16 DCPA

R.T.: 12.365 min
Delta R.T.: -0.002 min
Response: 14438006114
Conc: 705.57 ng/ml

Raw Data: **PS030497.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 20:03 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.37	7.37	7.27	7.47	0.01
2,4-D	8.51	8.51	8.41	8.61	0.00
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00

Raw Data: **PS030497.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/04/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 20:03 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00

Raw Data: **PS030497.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030497.D **Time Analyzed:** 20:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.398	9.304	9.504	724.280	712.500	1.7
2,4-D	8.506	8.412	8.612	705.370	705.000	0.1
2,4-DCAA	7.365	7.269	7.469	725.600	750.000	-3.3

Raw Data: **PS030497.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030497.D **Time Analyzed:** 20:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.939	9.842	10.042	709.400	712.500	-0.4
2,4-D	9.032	8.934	9.134	695.700	705.000	-1.3
2,4-DCAA	7.772	7.674	7.874	722.520	750.000	-3.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 20:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 23:03:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.365	7.772	2739.2E6	777.1E6	725.598m	722.517
	Target Compounds						
1) T	Dalapon	2.714	2.712	3844.2E6	1798.0E6	680.747	656.194
2) T	3,5-DICHL...	6.521	6.716	3767.2E6	1073.3E6	694.238	686.122
3) T	4-Nitroph...	7.164	7.302	1267.2E6	1081.2E6	691.049	689.903
5) T	DICAMBA	7.557	7.976	10964.0E6	4517.9E6	710.907	701.355
6) T	MCPP	7.739	8.075	683.2E6	163.9E6	68.972	70.916
7) T	MCPA	7.890	8.325	882.2E6	207.9E6	69.525	67.359
8) T	DICHLORPROP	8.273	8.696	2518.4E6	1026.0E6	692.226	691.255
9) T	2,4-D	8.506	9.032	2570.1E6	1093.9E6	705.366	695.702
10) T	Pentachlo...	8.816	9.559	39108.7E6	26234.4E6	770.066	725.951
11) T	2,4,5-TP ...	9.398	9.939	14967.4E6	9730.7E6	724.285	709.405
12) T	2,4,5-T	9.692	10.365	13453.7E6	9280.6E6	729.948	710.766
13) T	2,4-DB	10.273	10.933	2218.9E6	797.2E6	730.776	693.455
14) T	DINOSEB	11.495	11.319	10312.3E6	7063.6E6	717.382	702.841
15) T	Picloram	11.301	12.426	13827.2E6	15684.4E6	691.193	710.219
16) T	DCPA	11.791	12.364	19416.8E6	14626.9E6	734.370	714.800

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

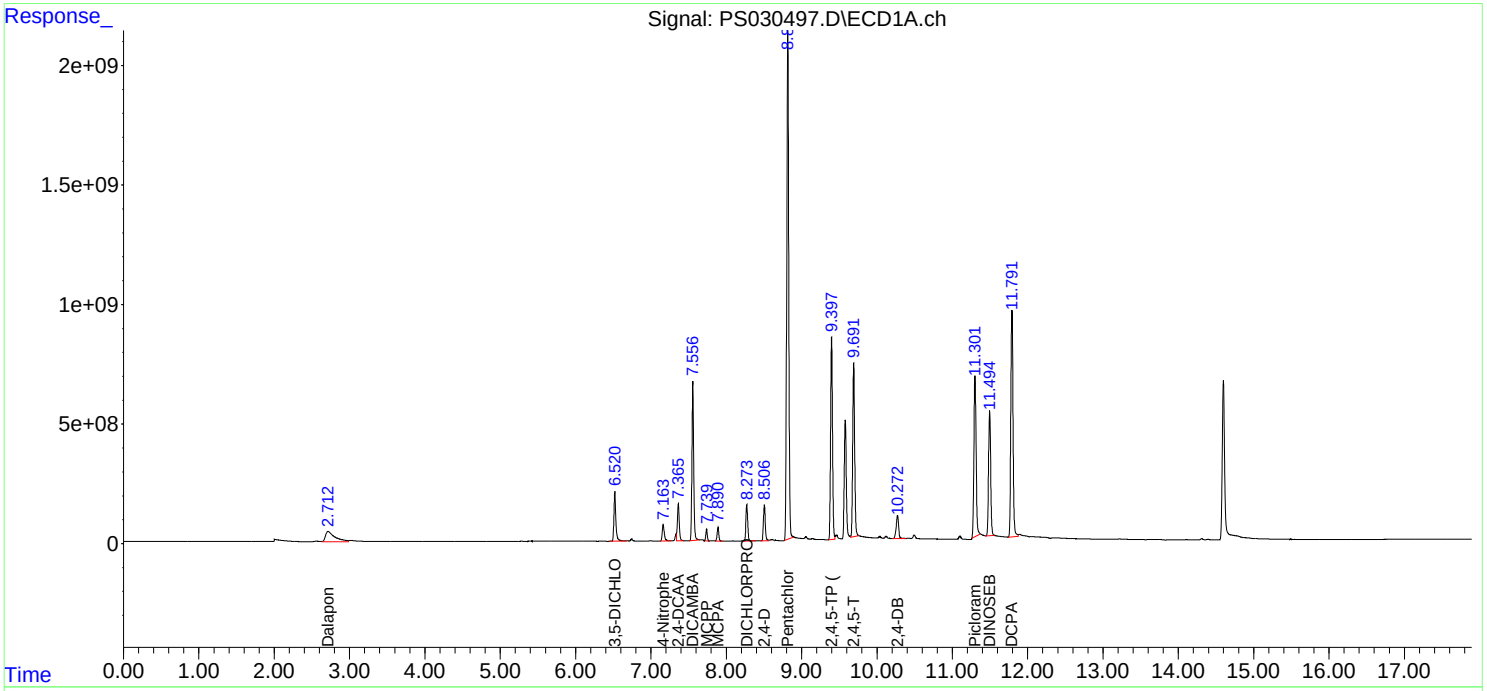
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 20:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

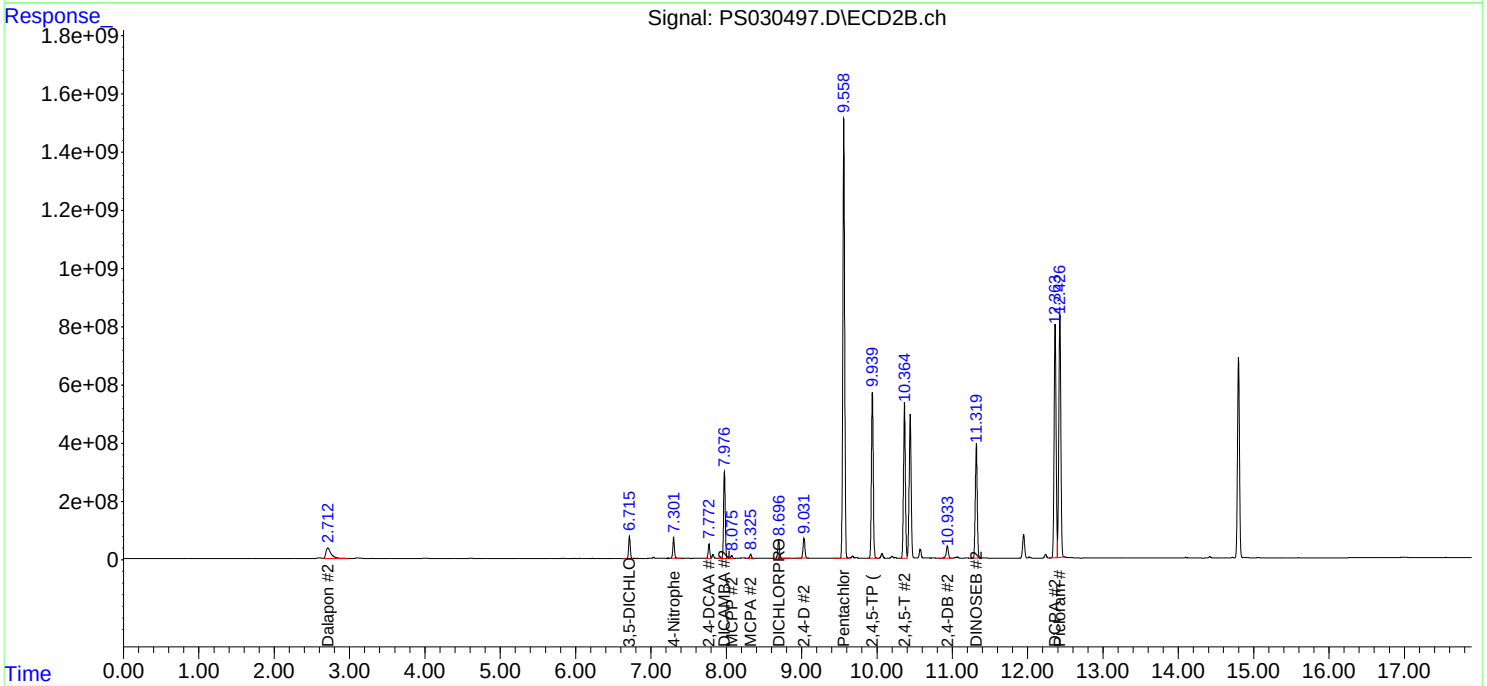
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

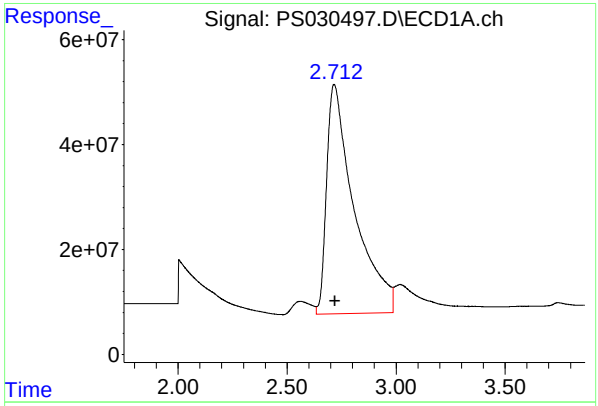
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 23:03:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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







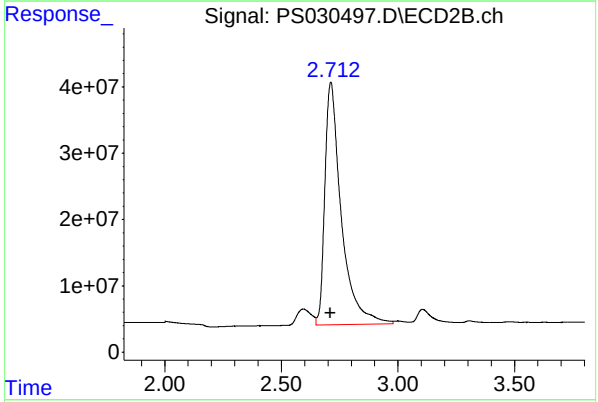
#1 Dalapon

R.T.: 2.714 min
Delta R.T.: -0.006 min
Response: 3844160452
Conc: 680.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

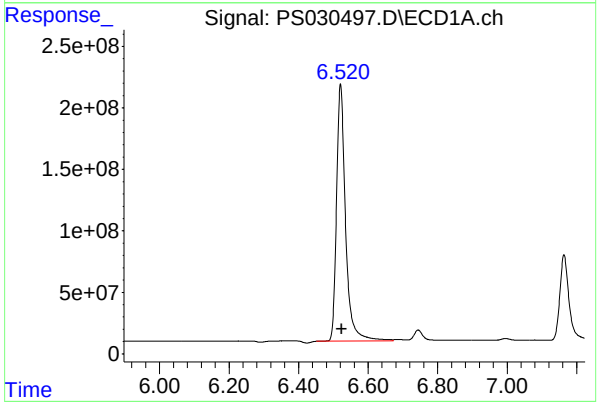
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



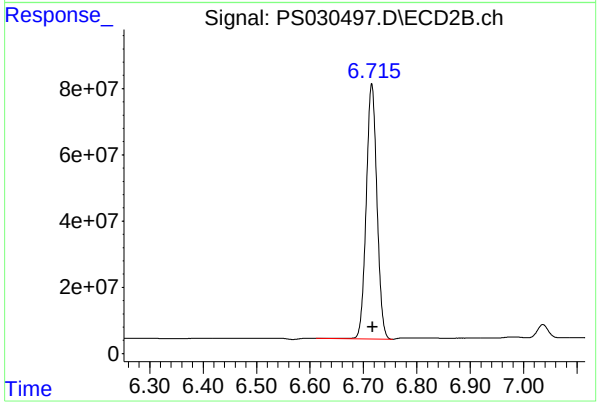
#1 Dalapon

R.T.: 2.712 min
Delta R.T.: 0.002 min
Response: 1797982576
Conc: 656.19 ng/ml



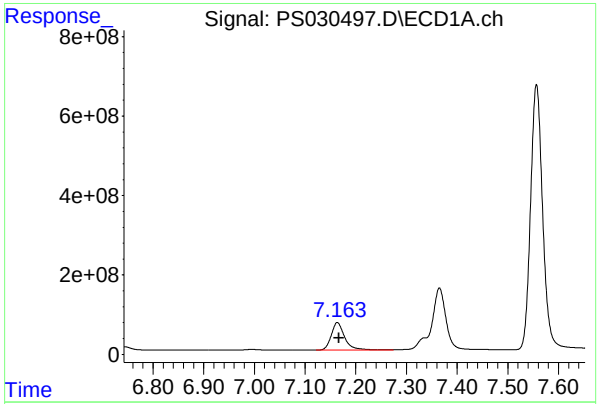
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.521 min
Delta R.T.: -0.003 min
Response: 3767175738
Conc: 694.24 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: -0.002 min
Response: 1073265077
Conc: 686.12 ng/ml



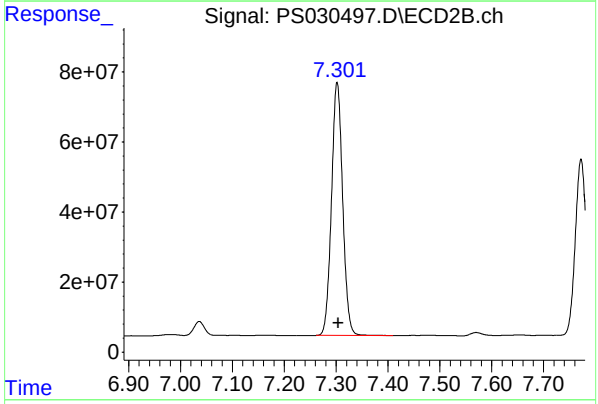
#3 4-Nitrophenol

R.T.: 7.164 min
Delta R.T.: -0.003 mi
Response: 1267215546
Conc: 691.05 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

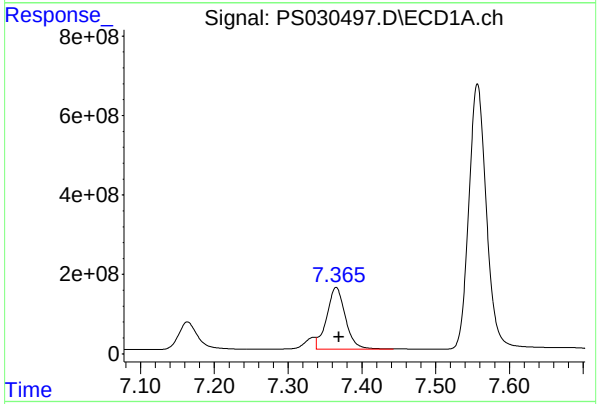
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



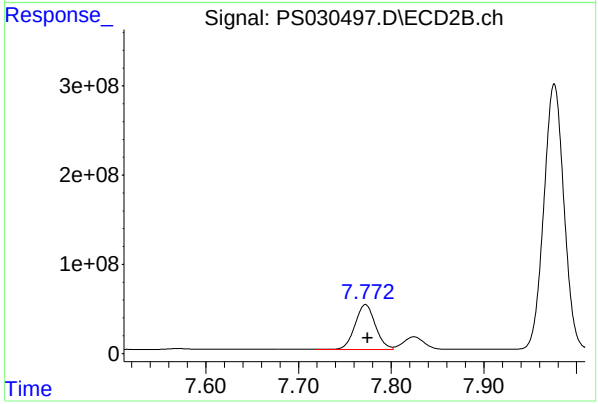
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: -0.002 min
Response: 1081244962
Conc: 689.90 ng/ml



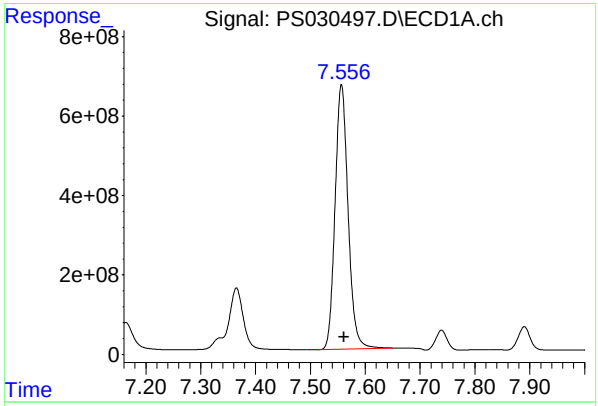
#4 2,4-DCAA

R.T.: 7.365 min
Delta R.T.: -0.004 min
Response: 2739238277
Conc: 725.60 ng/ml m



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.002 min
Response: 777146508
Conc: 722.52 ng/ml



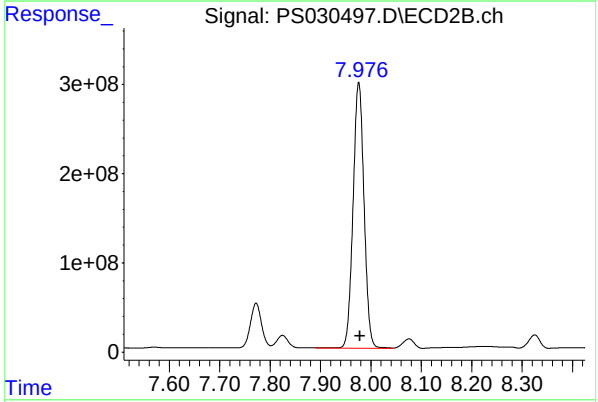
#5 DICAMBA

R.T.: 7.557 min
Delta R.T.: -0.005 min
Response: 10963986544
Conc: 710.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

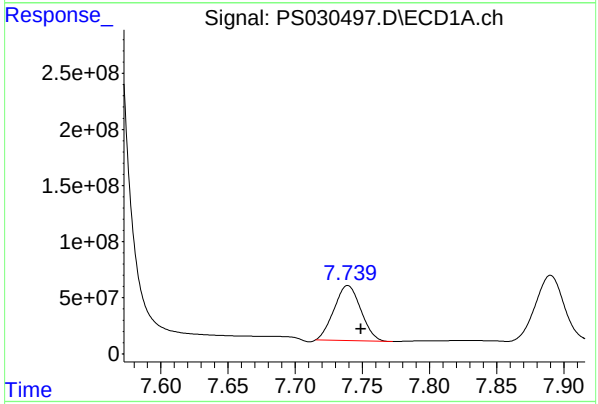
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



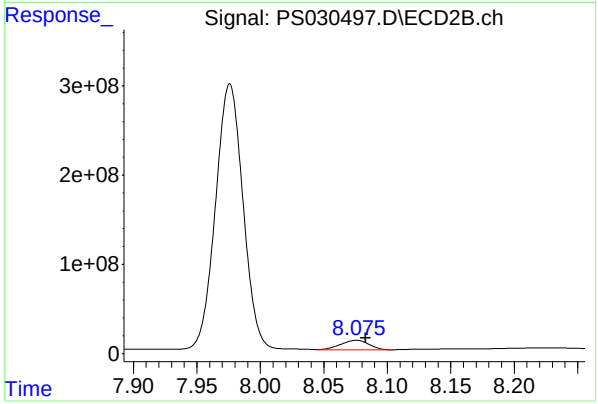
#5 DICAMBA

R.T.: 7.976 min
Delta R.T.: -0.003 min
Response: 4517880675
Conc: 701.35 ng/ml



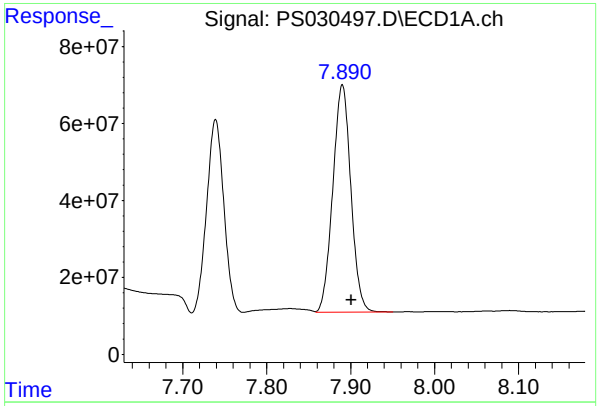
#6 MCPP

R.T.: 7.739 min
Delta R.T.: -0.010 min
Response: 683160376
Conc: 68.97 ug/ml



#6 MCPP

R.T.: 8.075 min
Delta R.T.: -0.007 min
Response: 163927805
Conc: 70.92 ug/ml



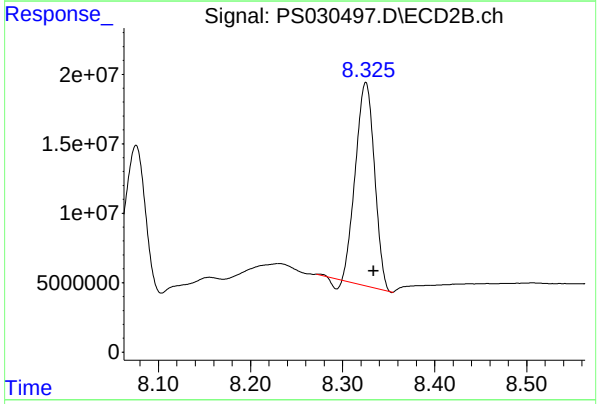
#7 MCPA

R.T.: 7.890 min
Delta R.T.: -0.010 min
Response: 882224896
Conc: 69.52 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

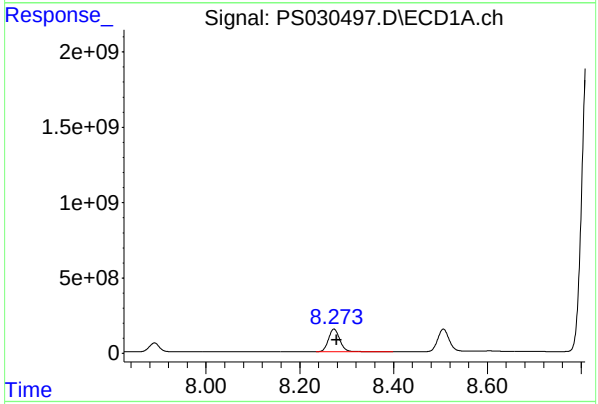
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



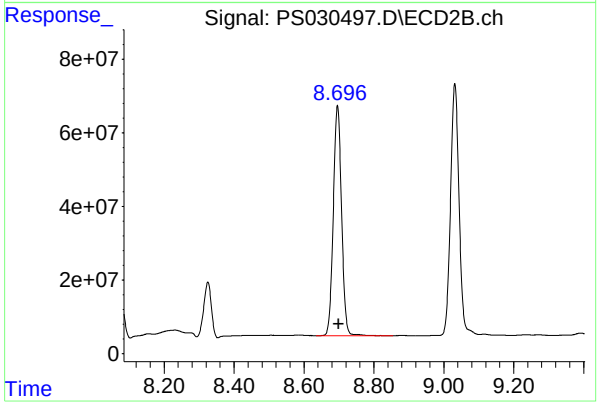
#7 MCPA

R.T.: 8.325 min
Delta R.T.: -0.009 min
Response: 207863331
Conc: 67.36 ug/ml



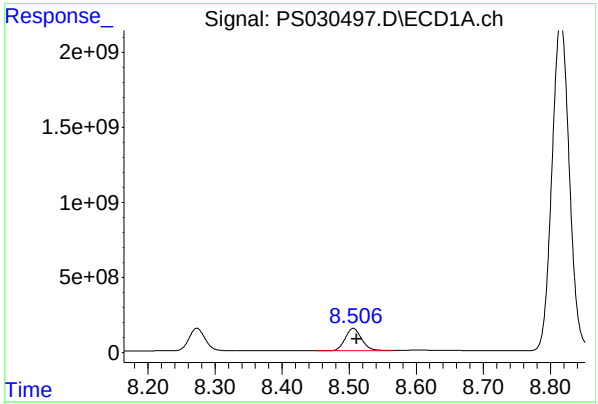
#8 DICHLORPROP

R.T.: 8.273 min
Delta R.T.: -0.005 min
Response: 2518417429
Conc: 692.23 ng/ml



#8 DICHLORPROP

R.T.: 8.696 min
Delta R.T.: -0.003 min
Response: 1025962888
Conc: 691.25 ng/ml



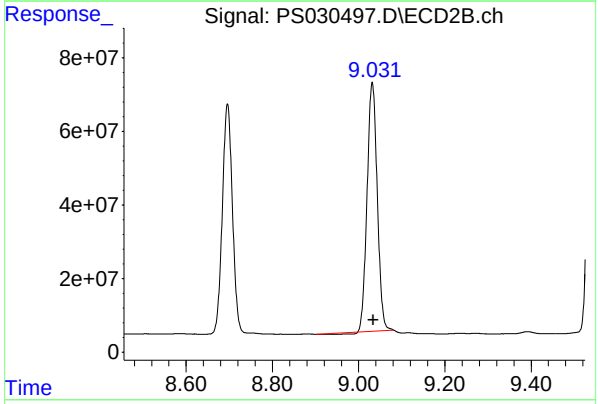
#9 2,4-D

R.T.: 8.506 min
Delta R.T.: -0.005 min
Response: 2570080938
Conc: 705.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

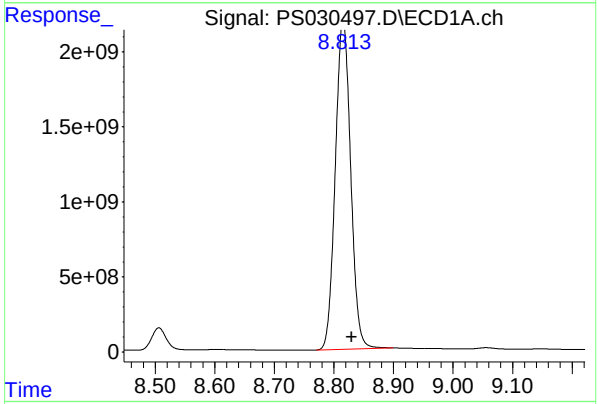
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



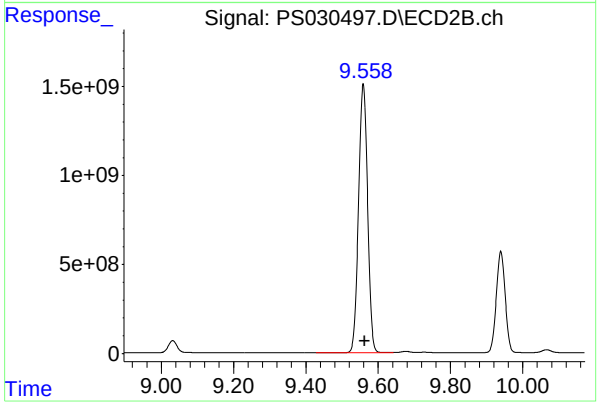
#9 2,4-D

R.T.: 9.032 min
Delta R.T.: -0.003 min
Response: 1093867535
Conc: 695.70 ng/ml



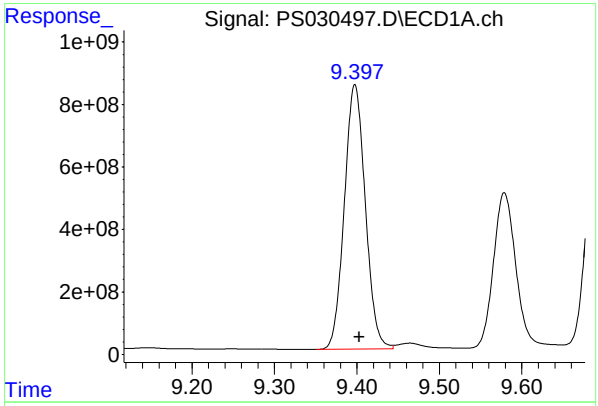
#10 Pentachlorophenol

R.T.: 8.816 min
Delta R.T.: -0.014 min
Response: 39108695136
Conc: 770.07 ng/ml



#10 Pentachlorophenol

R.T.: 9.559 min
Delta R.T.: -0.004 min
Response: 26234442120
Conc: 725.95 ng/ml



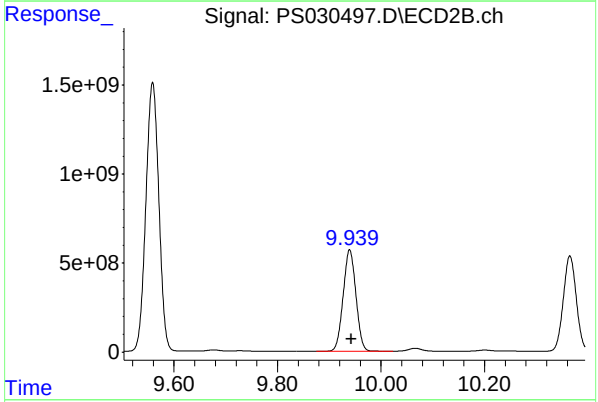
#11 2,4,5-TP (SILVEX)

R.T.: 9.398 min
Delta R.T.: -0.005 min
Response: 14967403178
Conc: 724.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

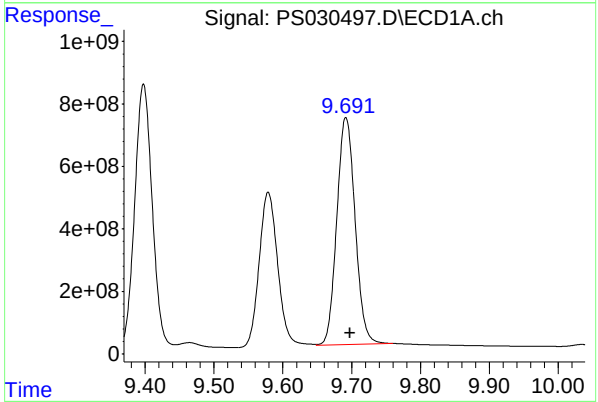
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



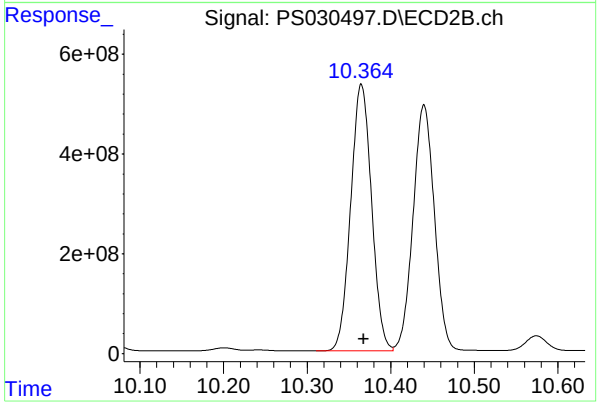
#11 2,4,5-TP (SILVEX)

R.T.: 9.939 min
Delta R.T.: -0.003 min
Response: 9730723915
Conc: 709.40 ng/ml



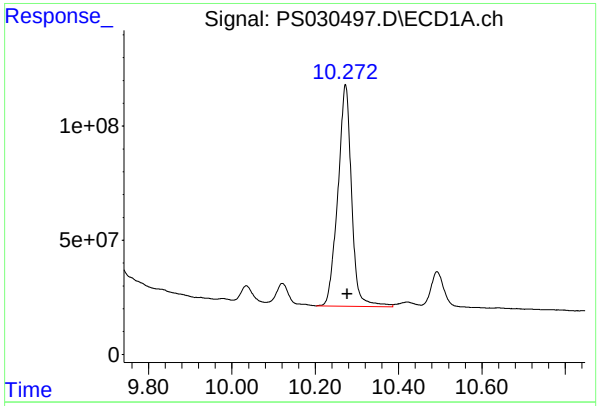
#12 2,4,5-T

R.T.: 9.692 min
Delta R.T.: -0.006 min
Response: 13453707976
Conc: 729.95 ng/ml



#12 2,4,5-T

R.T.: 10.365 min
Delta R.T.: -0.003 min
Response: 9280560064
Conc: 710.77 ng/ml



#13 2,4-DB

R.T.: 10.273 min
Delta R.T.: -0.005 min
Response: 2218900918
Conc: 730.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

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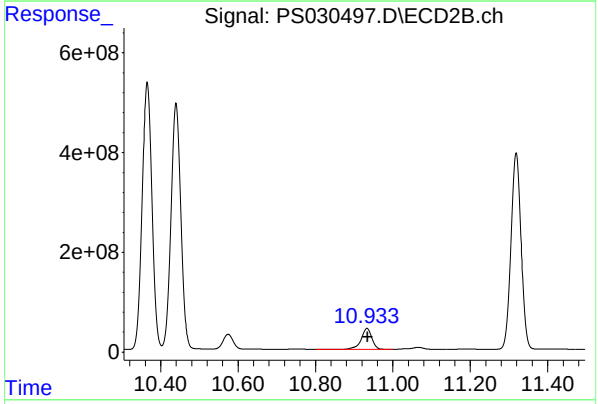
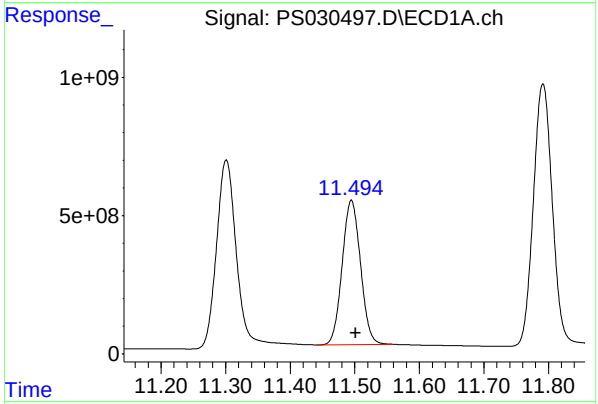
Supervised By :mohammad ahmed 06/06/2025



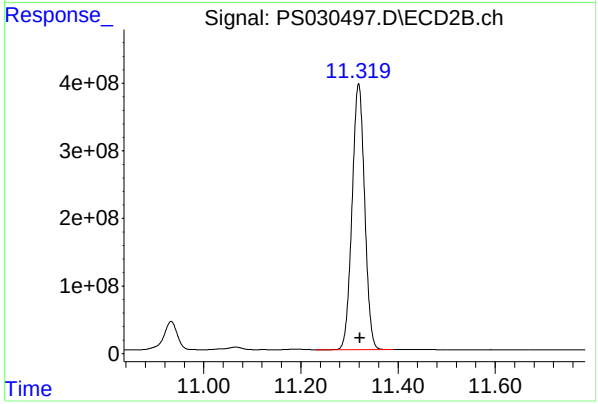
#13 2,4-DB

R.T.: 10.933 min
Delta R.T.: -0.002 min
Response: 797162647
Conc: 693.45 ng/ml



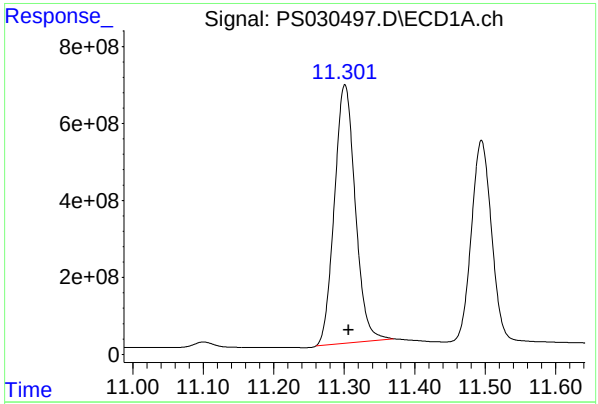
#14 DINOSEB

R.T.: 11.495 min
Delta R.T.: -0.007 min
Response: 10312318119
Conc: 717.38 ng/ml



#14 DINOSEB

R.T.: 11.319 min
Delta R.T.: -0.003 min
Response: 7063636100
Conc: 702.84 ng/ml



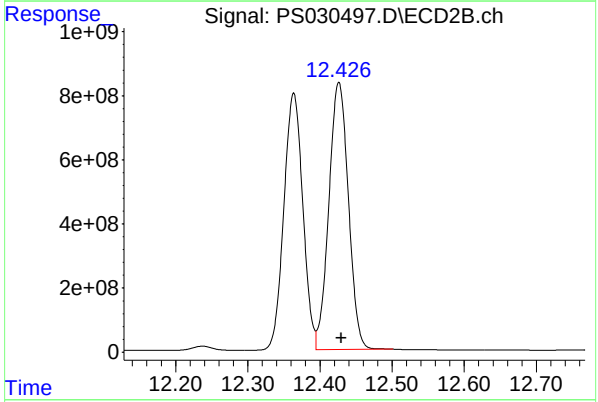
#15 Picloram

R.T.: 11.301 min
Delta R.T.: -0.005 min
Response: 13827176007
Conc: 691.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

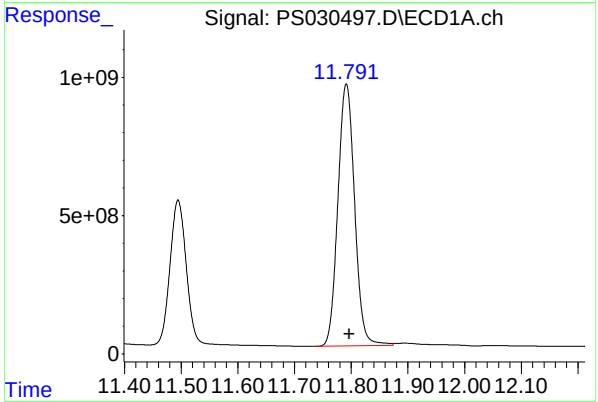
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



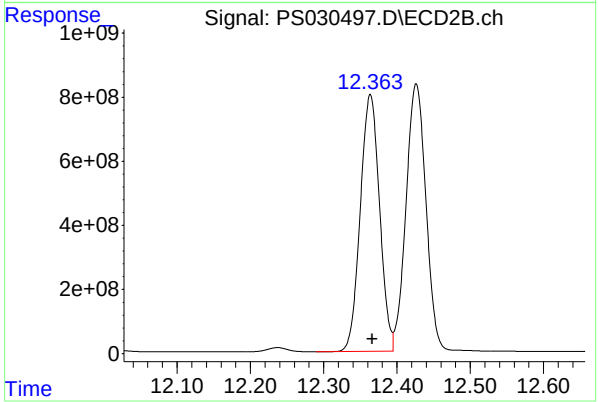
#15 Picloram

R.T.: 12.426 min
Delta R.T.: -0.003 min
Response: 15684383673
Conc: 710.22 ng/ml



#16 DCPA

R.T.: 11.791 min
Delta R.T.: -0.005 min
Response: 19416825803
Conc: 734.37 ng/ml



#16 DCPA

R.T.: 12.364 min
Delta R.T.: -0.003 min
Response: 14626903242
Conc: 714.80 ng/ml

Raw Data: **PS030506.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 00:04 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00

Raw Data: **PS030506.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 00:04 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00

Raw Data: **PS030506.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030506.D **Time Analyzed:** 00:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.396	9.304	9.504	710.030	712.500	-0.3
2,4-D	8.504	8.412	8.612	681.590	705.000	-3.3
2,4-DCAA	7.364	7.269	7.469	717.850	750.000	-4.3

Raw Data: **PS030506.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030506.D **Time Analyzed:** 00:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.939	9.842	10.042	704.930	712.500	-1.1
2,4-D	9.032	8.934	9.134	692.970	705.000	-1.7
2,4-DCAA	7.772	7.674	7.874	719.760	750.000	-4.0

Quantitation Report (QT Reviewed)

Sample Results: **PS030506.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 00:04
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:42:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	2710.0E6	774.2E6	717.847m	719.758
	Target Compounds						
1) T	Dalapon	2.715	2.711	3725.6E6	1775.0E6	659.760	647.806
2) T	3,5-DICHL...	6.520	6.716	3744.5E6	1063.4E6	690.050	679.840
3) T	4-Nitroph...	7.163	7.302	1209.4E6	1070.2E6	659.506	682.855
5) T	DICAMBA	7.556	7.976	10868.1E6	4517.6E6	704.686	701.315
6) T	MCPP	7.738	8.075	657.0E6	163.9E6	66.326	70.888
7) T	MCPA	7.889	8.325	862.2E6	208.2E6	67.950	67.468
8) T	DICHLORPROP	8.272	8.696	2477.3E6	1017.3E6	680.911	685.395
9) T	2,4-D	8.504	9.032	2483.5E6	1089.6E6	681.592	692.969
10) T	Pentachlo...	8.814	9.558	38716.9E6	26108.3E6	762.350	722.460
11) T	2,4,5-TP ...	9.396	9.939	14672.9E6	9669.3E6	710.033	704.928
12) T	2,4,5-T	9.690	10.365	12753.9E6	9182.0E6	691.979	703.220
13) T	2,4-DB	10.272	10.932	2017.6E6	795.5E6	664.468	692.003
14) T	DINOSEB	11.493	11.318	10024.4E6	6965.4E6	697.350	693.066
15) T	Picloram	11.298	12.426	12289.4E6	15277.3E6	614.323	691.783
16) T	DCPA	11.789	12.363	18990.5E6	14437.9E6	718.245	705.565

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

Sample Results: **PS030506.D**

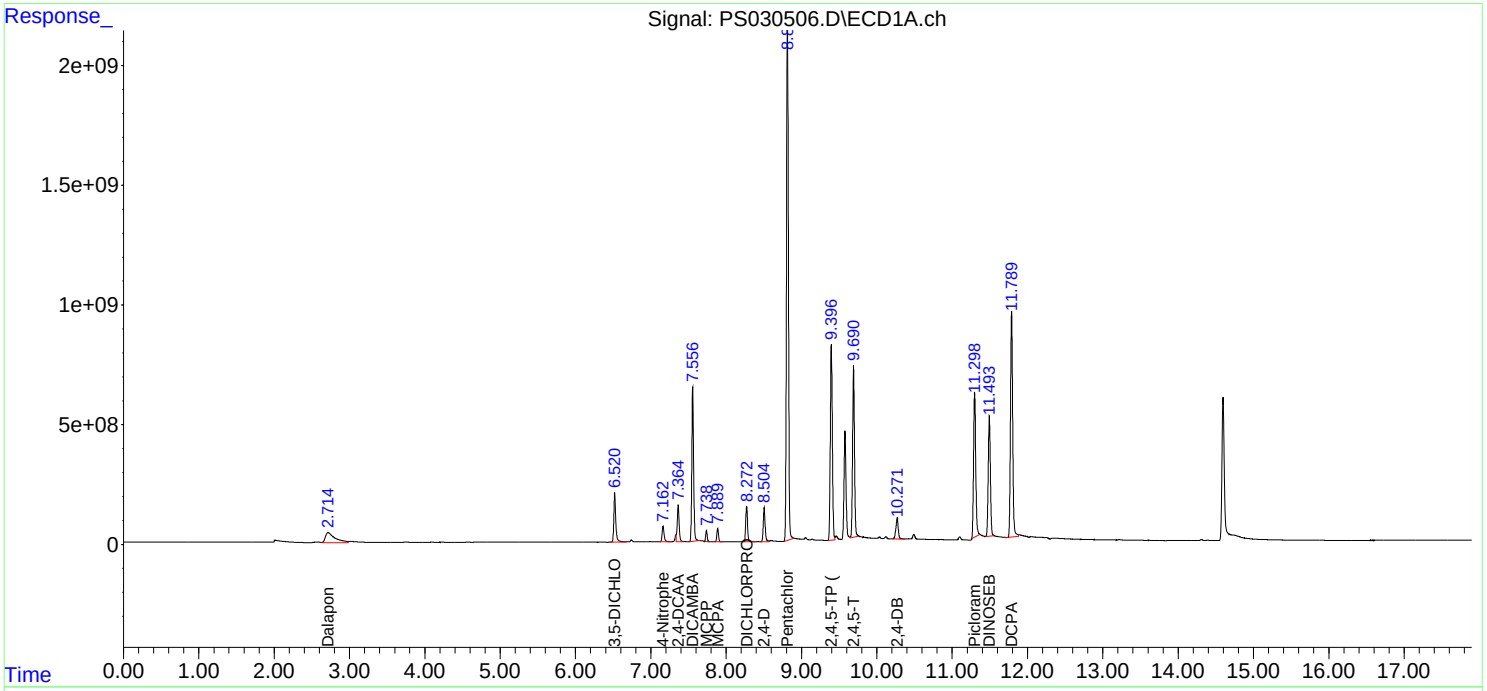
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 00:04
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

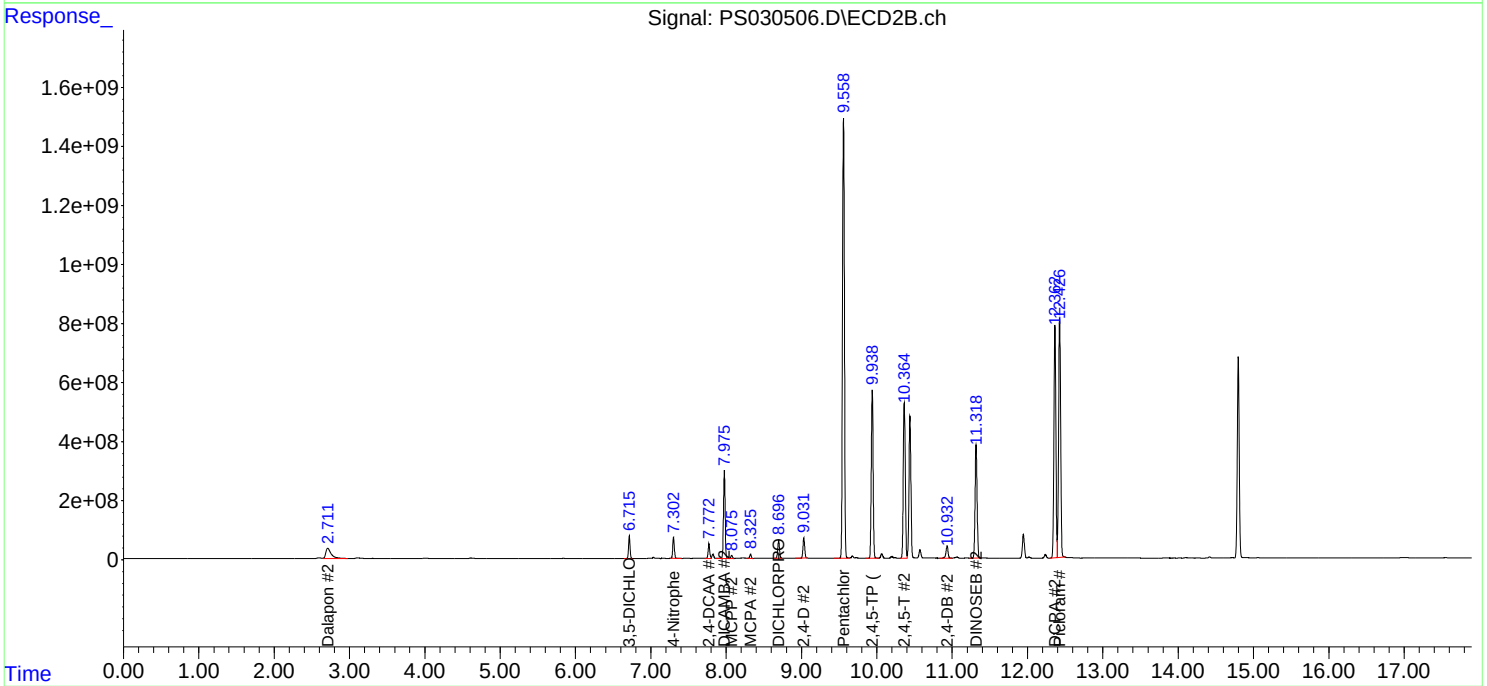
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

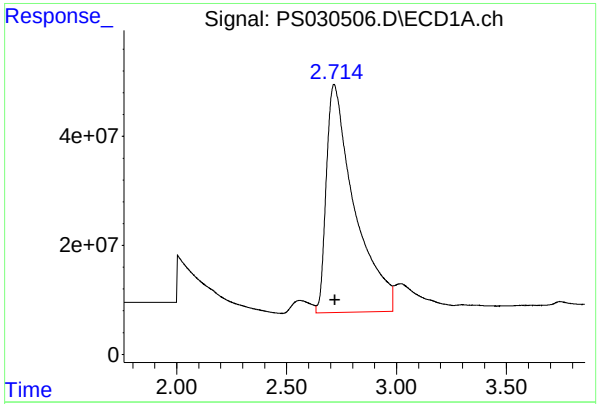
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:42:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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







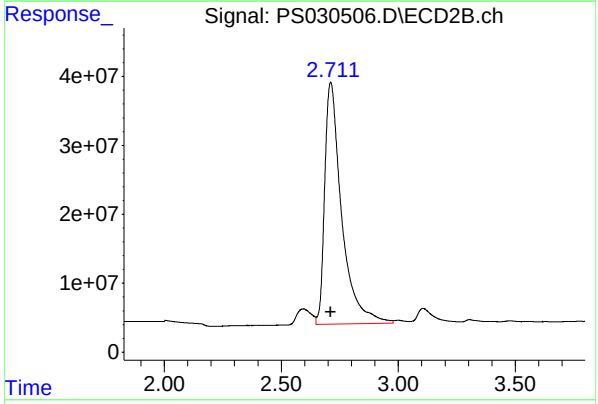
#1 Dalapon

R.T.: 2.715 min
Delta R.T.: -0.005 min
Response: 3725644560
Conc: 659.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

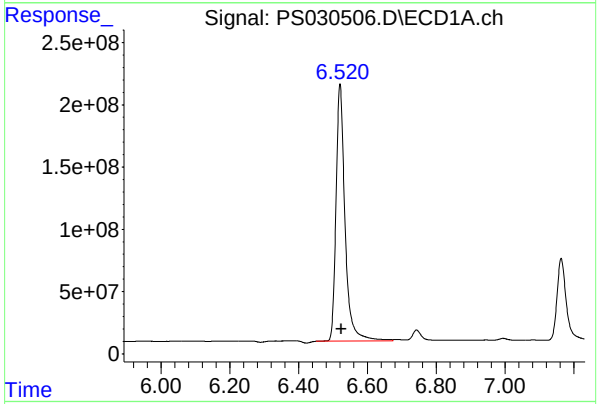
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



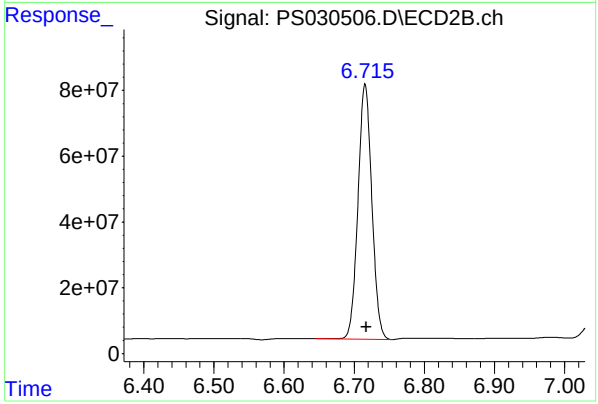
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 1774997630
Conc: 647.81 ng/ml



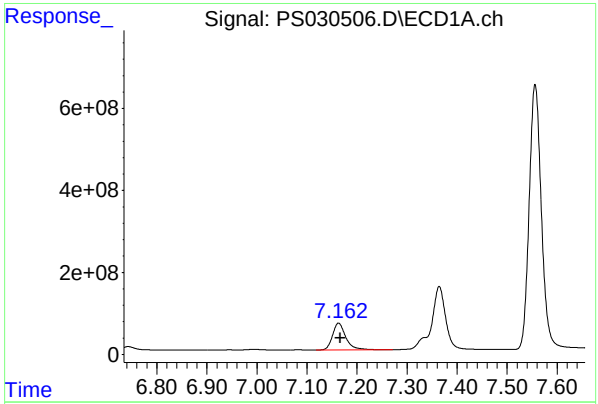
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.520 min
Delta R.T.: -0.004 min
Response: 3744455333
Conc: 690.05 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: -0.002 min
Response: 1063439102
Conc: 679.84 ng/ml



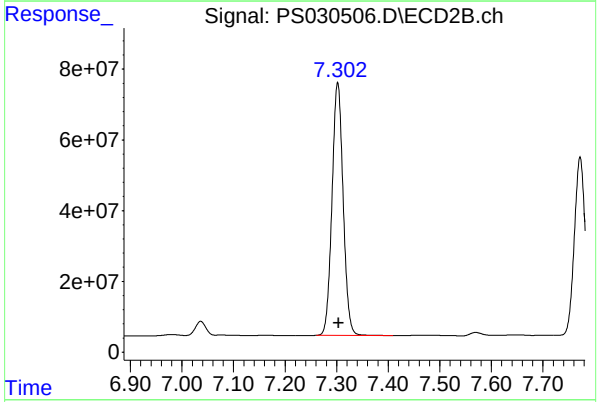
#3 4-Nitrophenol

R.T.: 7.163 min
Delta R.T.: -0.004 mi
Response: 1209373495
Conc: 659.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

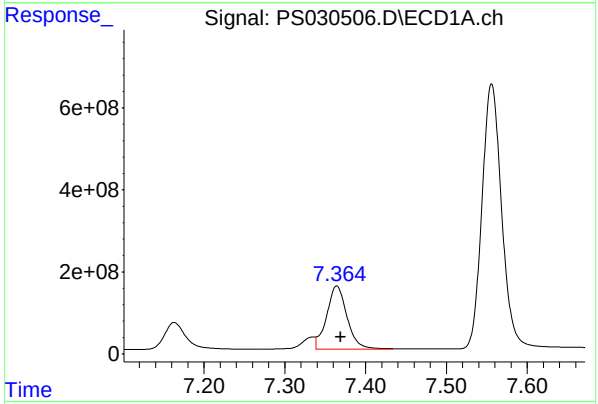
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



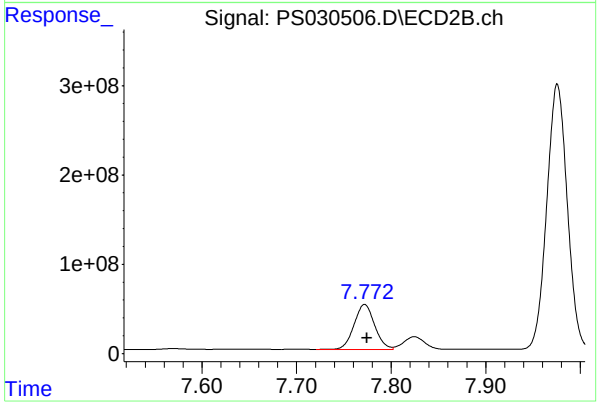
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: -0.002 min
Response: 1070200013
Conc: 682.86 ng/ml



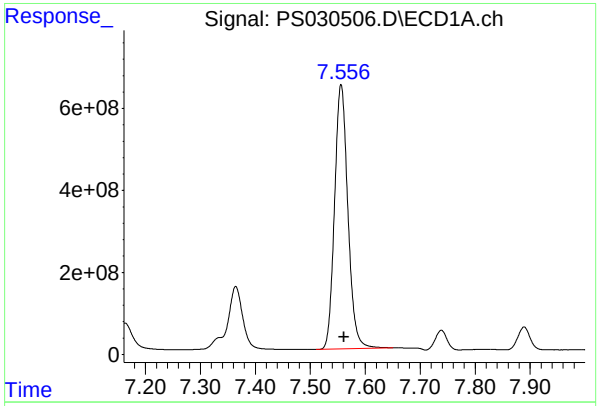
#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 min
Response: 2709975878
Conc: 717.85 ng/ml m



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.002 min
Response: 774178949
Conc: 719.76 ng/ml



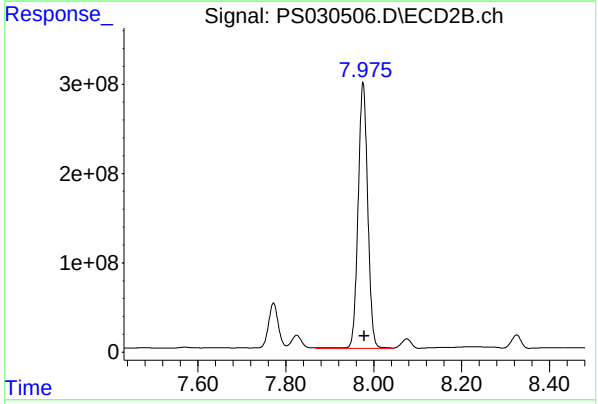
#5 DICAMBA

R.T.: 7.556 min
Delta R.T.: -0.005 min
Response: 10868052850
Conc: 704.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

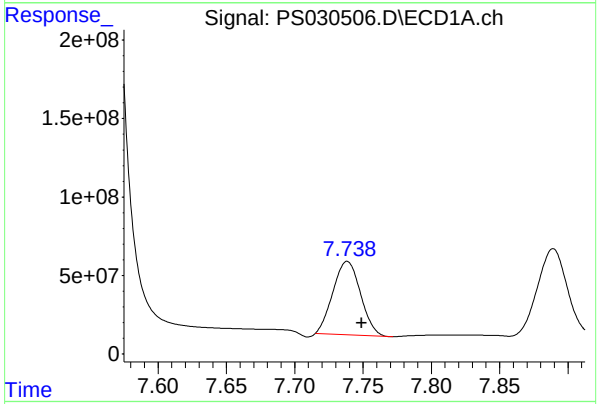
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



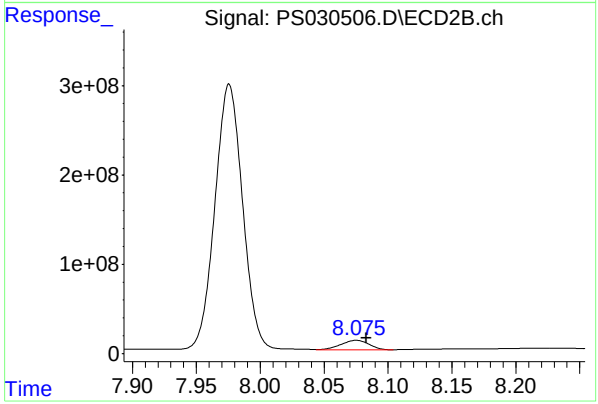
#5 DICAMBA

R.T.: 7.976 min
Delta R.T.: -0.003 min
Response: 4517624660
Conc: 701.32 ng/ml



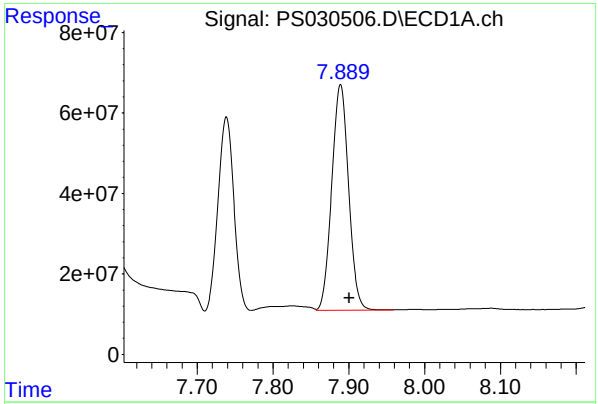
#6 MCPP

R.T.: 7.738 min
Delta R.T.: -0.010 min
Response: 656955977
Conc: 66.33 ug/ml



#6 MCPP

R.T.: 8.075 min
Delta R.T.: -0.008 min
Response: 163864902
Conc: 70.89 ug/ml



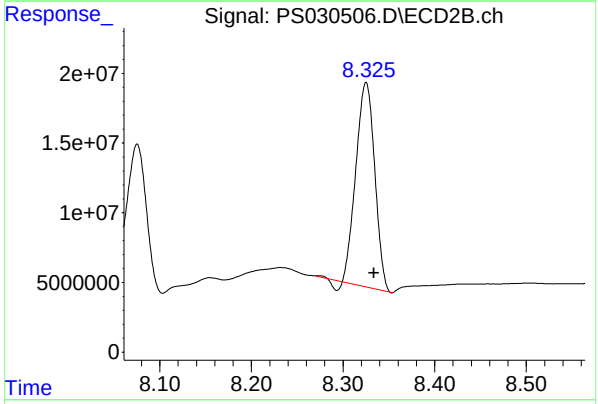
#7 MCPA

R.T.: 7.889 min
Delta R.T.: -0.011 min
Response: 862241097
Conc: 67.95 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

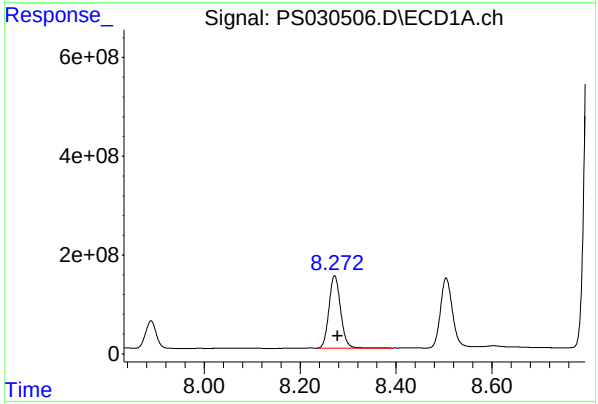
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



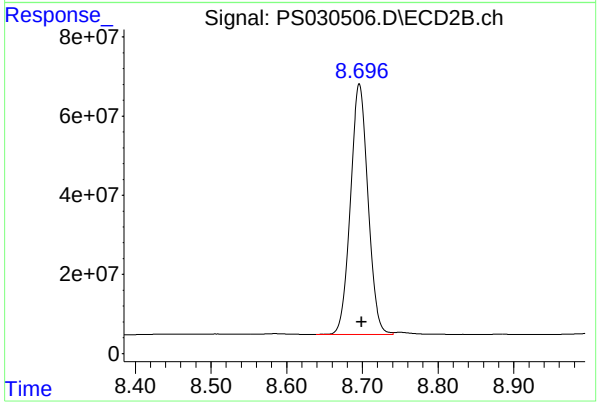
#7 MCPA

R.T.: 8.325 min
Delta R.T.: -0.009 min
Response: 208199771
Conc: 67.47 ug/ml



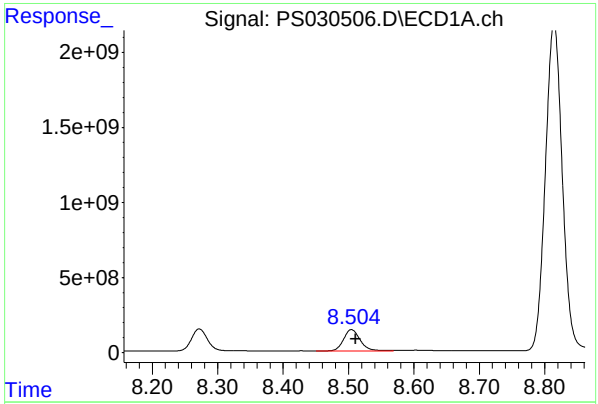
#8 DICHLORPROP

R.T.: 8.272 min
Delta R.T.: -0.006 min
Response: 2477251745
Conc: 680.91 ng/ml



#8 DICHLORPROP

R.T.: 8.696 min
Delta R.T.: -0.003 min
Response: 1017265191
Conc: 685.39 ng/ml



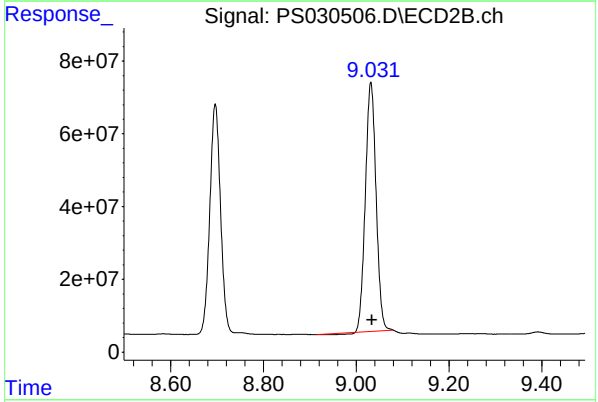
#9 2,4-D

R.T.: 8.504 min
Delta R.T.: -0.007 min
Response: 2483456699
Conc: 681.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

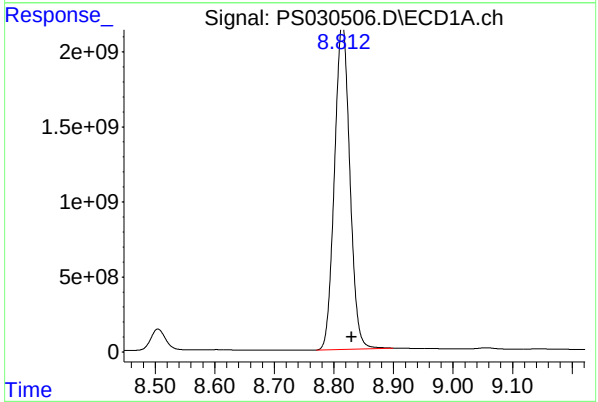
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



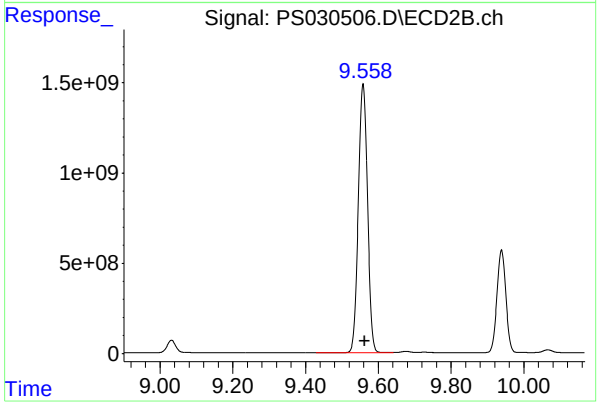
#9 2,4-D

R.T.: 9.032 min
Delta R.T.: -0.003 min
Response: 1089568972
Conc: 692.97 ng/ml



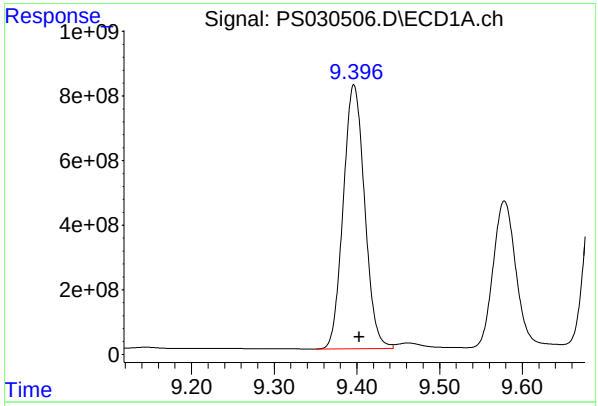
#10 Pentachlorophenol

R.T.: 8.814 min
Delta R.T.: -0.015 min
Response: 38716862812
Conc: 762.35 ng/ml



#10 Pentachlorophenol

R.T.: 9.558 min
Delta R.T.: -0.005 min
Response: 26108278518
Conc: 722.46 ng/ml



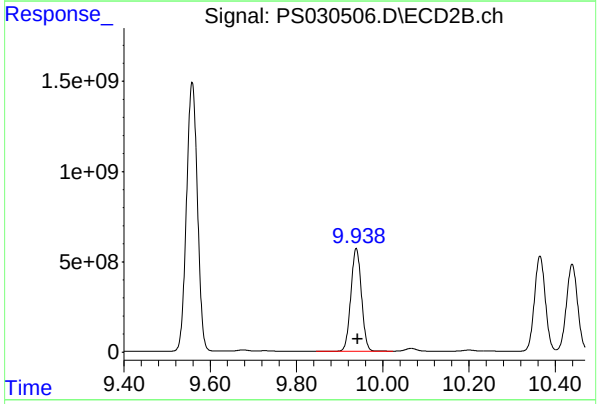
#11 2,4,5-TP (SILVEX)

R.T.: 9.396 min
Delta R.T.: -0.007 min
Response: 14672890512
Conc: 710.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

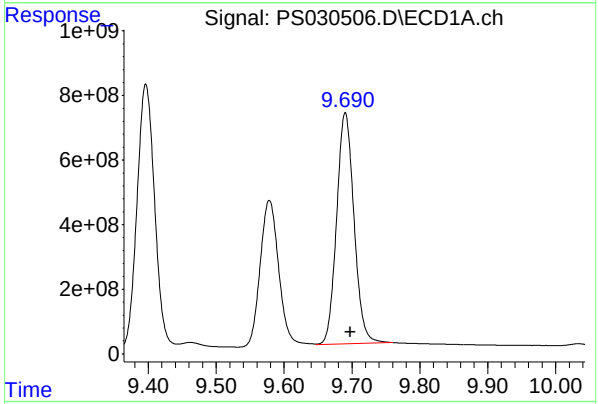
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



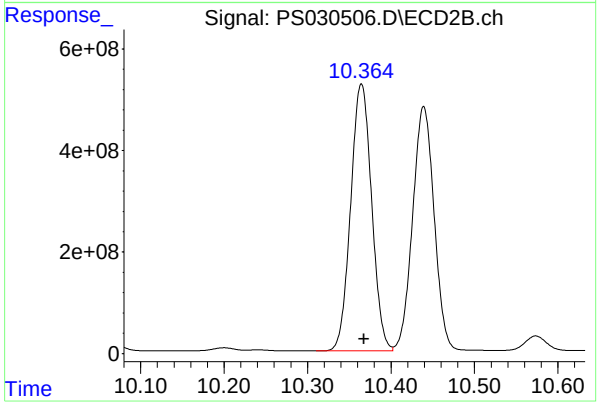
#11 2,4,5-TP (SILVEX)

R.T.: 9.939 min
Delta R.T.: -0.004 min
Response: 9669314552
Conc: 704.93 ng/ml



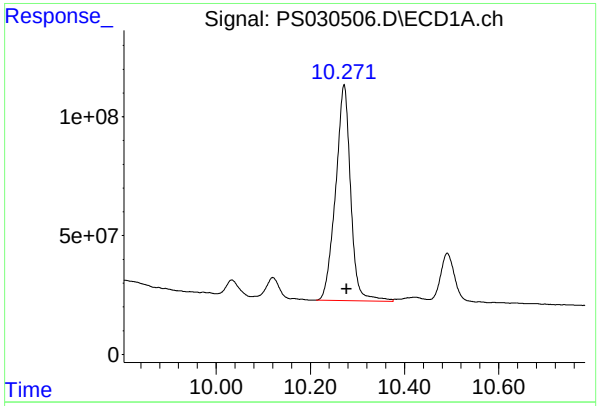
#12 2,4,5-T

R.T.: 9.690 min
Delta R.T.: -0.007 min
Response: 12753901175
Conc: 691.98 ng/ml



#12 2,4,5-T

R.T.: 10.365 min
Delta R.T.: -0.003 min
Response: 9182035525
Conc: 703.22 ng/ml



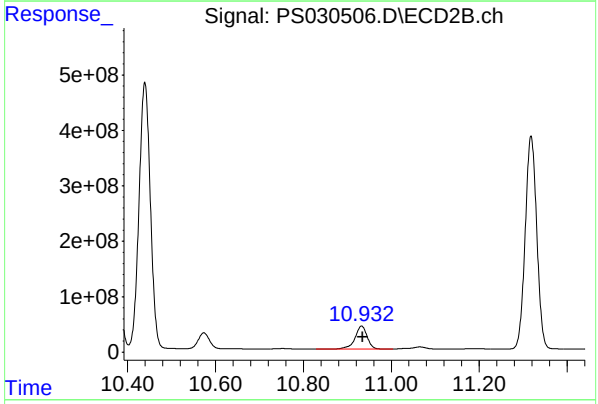
#13 2,4-DB

R.T.: 10.272 min
Delta R.T.: -0.006 min
Response: 2017566477
Conc: 664.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

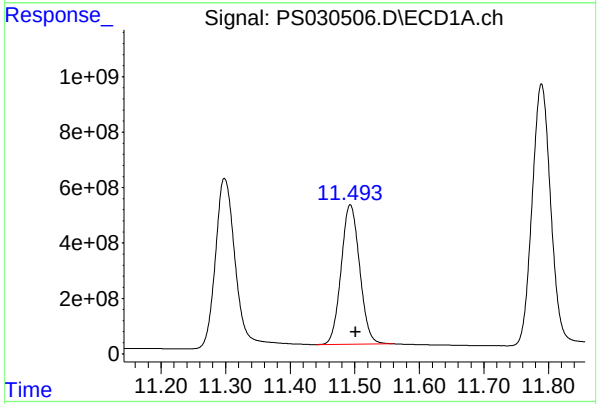
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



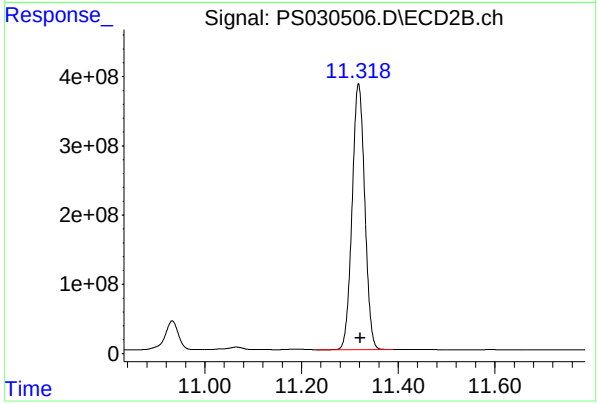
#13 2,4-DB

R.T.: 10.932 min
Delta R.T.: -0.003 min
Response: 795493716
Conc: 692.00 ng/ml



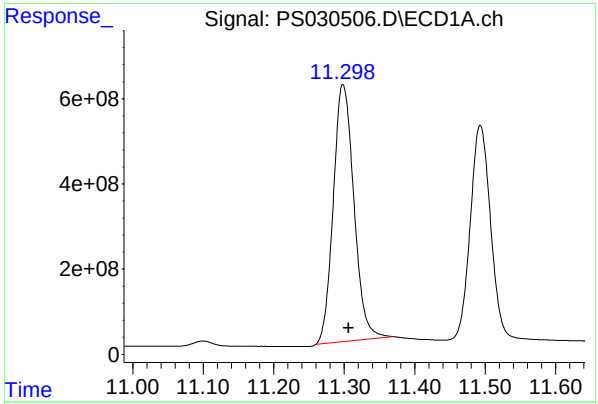
#14 DINOSEB

R.T.: 11.493 min
Delta R.T.: -0.008 min
Response: 10024359054
Conc: 697.35 ng/ml



#14 DINOSEB

R.T.: 11.318 min
Delta R.T.: -0.004 min
Response: 6965394982
Conc: 693.07 ng/ml



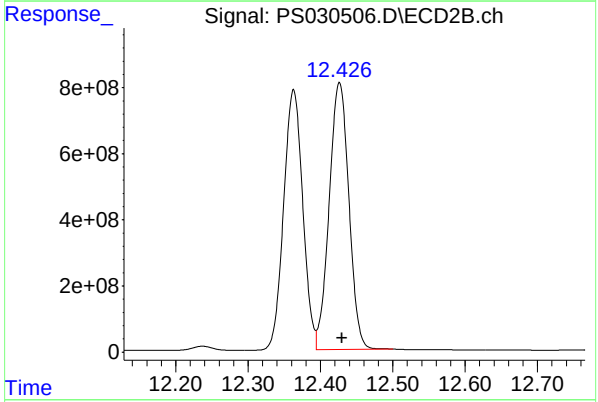
#15 Picloram

R.T.: 11.298 min
Delta R.T.: -0.008 min
Response: 12289416464
Conc: 614.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

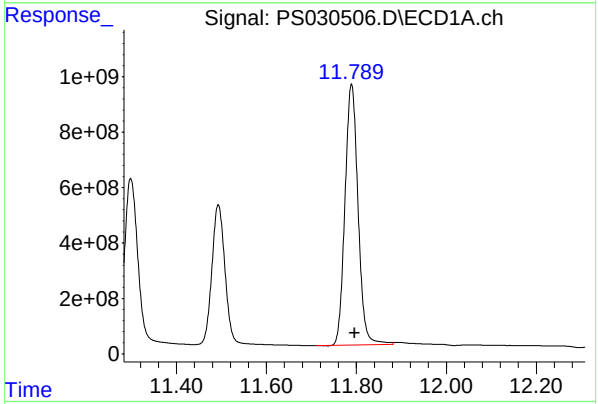
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



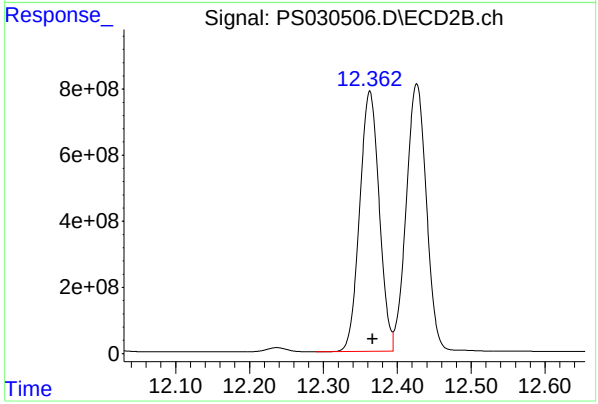
#15 Picloram

R.T.: 12.426 min
Delta R.T.: -0.003 min
Response: 15277252030
Conc: 691.78 ng/ml



#16 DCPA

R.T.: 11.789 min
Delta R.T.: -0.008 min
Response: 18990464260
Conc: 718.24 ng/ml



#16 DCPA

R.T.: 12.363 min
Delta R.T.: -0.004 min
Response: 14437920043
Conc: 705.56 ng/ml

Raw Data: **PS030516.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 04:29 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00

Raw Data: **PS030516.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Continuing Calib Date: 06/05/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 04:29 **Initial Calibration Time(s):** 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00

Raw Data: **PS030516.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030516.D **Time Analyzed:** 04:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.395	9.304	9.504	720.680	712.500	1.1
2,4-D	8.504	8.412	8.612	697.490	705.000	-1.1
2,4-DCAA	7.364	7.269	7.469	713.260	750.000	-4.9

Raw Data: **PS030516.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/04/2025 06/04/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030516.D **Time Analyzed:** 04:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.939	9.842	10.042	709.690	712.500	-0.4
2,4-D	9.031	8.934	9.134	727.630	705.000	3.2
2,4-DCAA	7.772	7.674	7.874	709.210	750.000	-5.4

Quantitation Report (QT Reviewed)

Sample Results: **PS030516.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 04:29
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	2692.7E6	762.8E6	713.260m	709.208
		Target Compounds						
1)	T	Dalapon	2.716	2.712	3731.2E6	1777.7E6	660.743	648.799
2)	T	3,5-DICHL...	6.520	6.715	3801.9E6	1066.8E6	700.632	681.994
3)	T	4-Nitroph...	7.162	7.302	1240.7E6	1074.0E6	676.584	685.265
5)	T	DICAMBA	7.555	7.976	11012.8E6	4498.4E6	714.070	698.332
6)	T	MCPP	7.738	8.075	651.4E6	163.1E6	65.768	70.557
7)	T	MCPA	7.889	8.324	870.4E6	224.3E6	68.593	72.684m
8)	T	DICHLORPROP	8.271	8.696	2521.3E6	1022.7E6	693.019	689.026
9)	T	2,4-D	8.504	9.031	2541.4E6	1144.1E6	697.492	727.629m
10)	T	Pentachlo...	8.813	9.559	39349.9E6	26276.9E6	774.815	727.126
11)	T	2,4,5-TP ...	9.395	9.939	14892.9E6	9734.6E6	720.682	709.687
12)	T	2,4,5-T	9.690	10.365	13045.4E6	9235.6E6	707.794	707.322
13)	T	2,4-DB	10.269	10.932	2070.2E6	800.5E6	681.812	696.340
14)	T	DINOSEB	11.491	11.318	10193.8E6	7033.9E6	709.134	699.885
15)	T	Picloram	11.297	12.426	13101.7E6	15476.3E6	654.929m	700.796
16)	T	DCPA	11.787	12.363	19415.3E6	14491.4E6	734.312	708.177

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

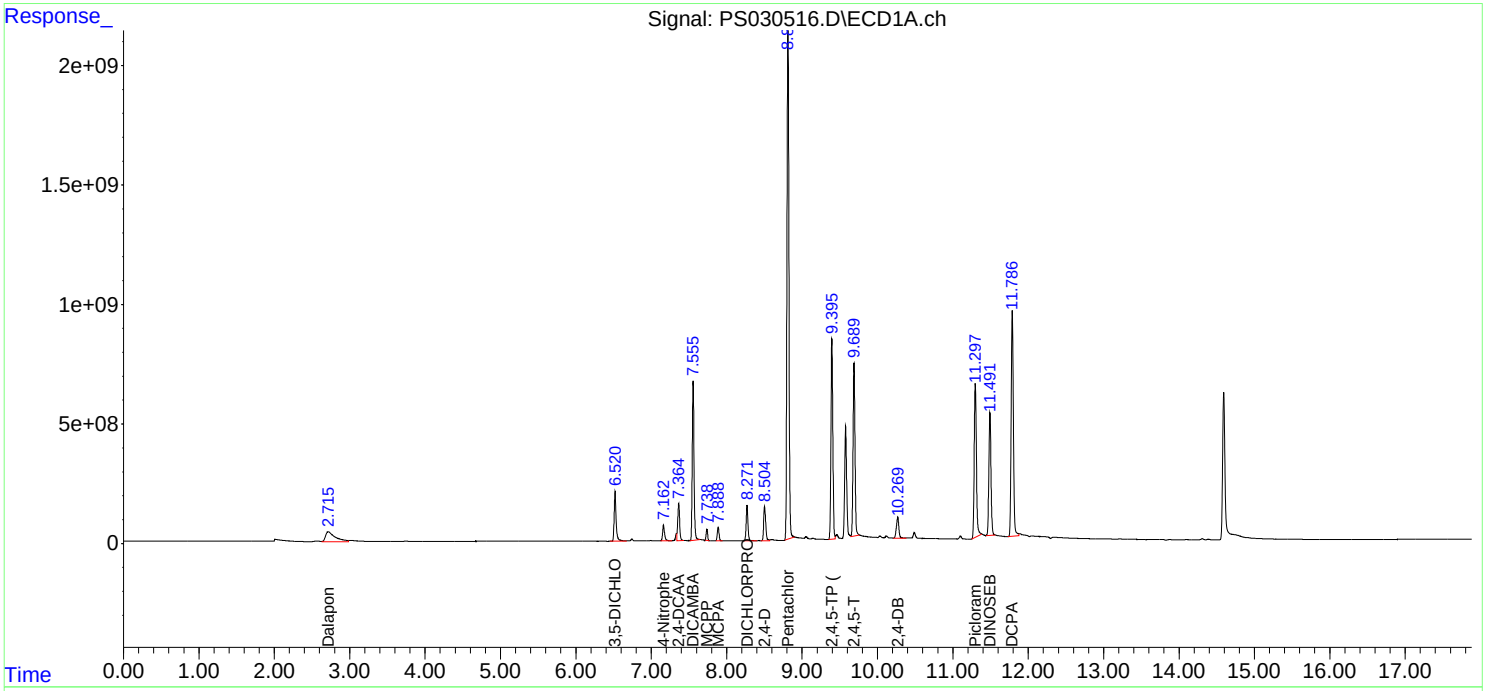
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 04:29
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

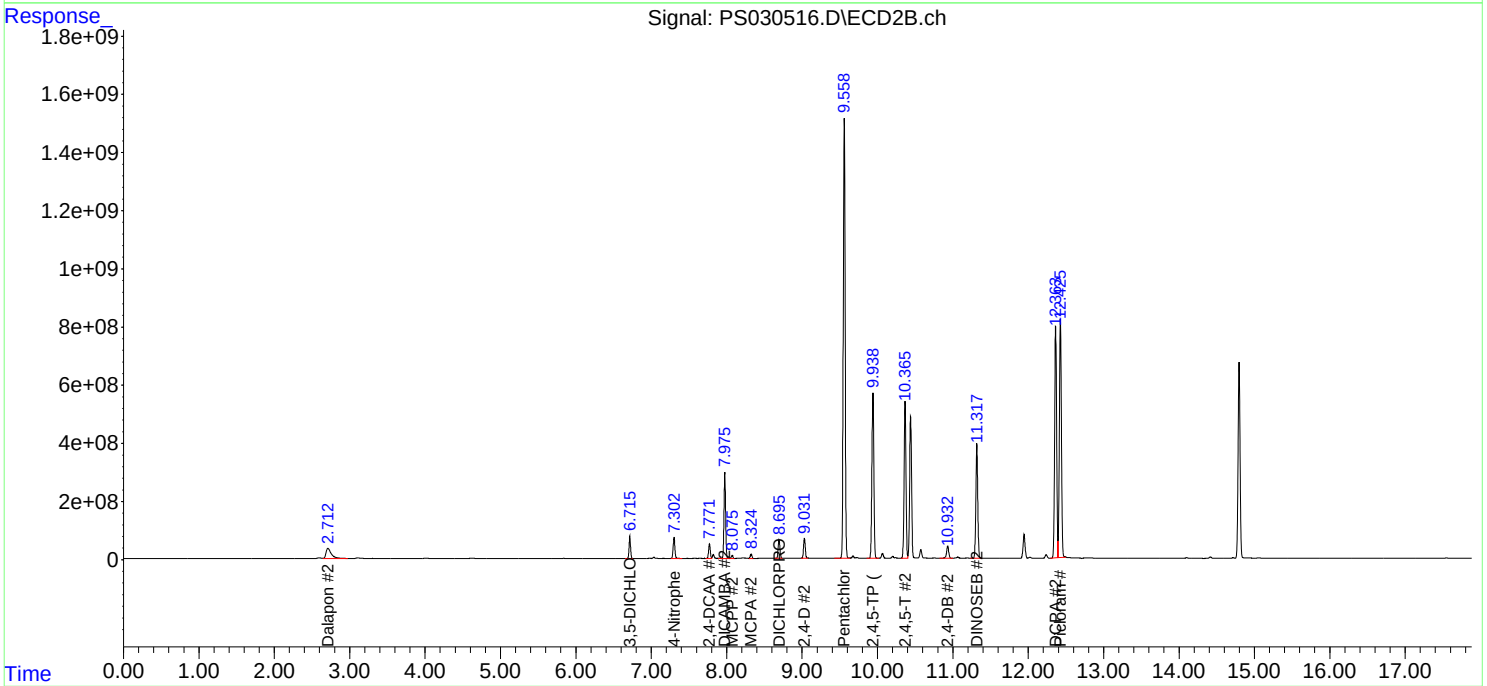
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

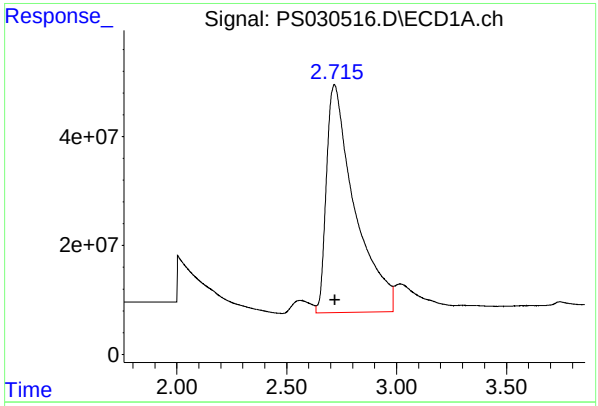
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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







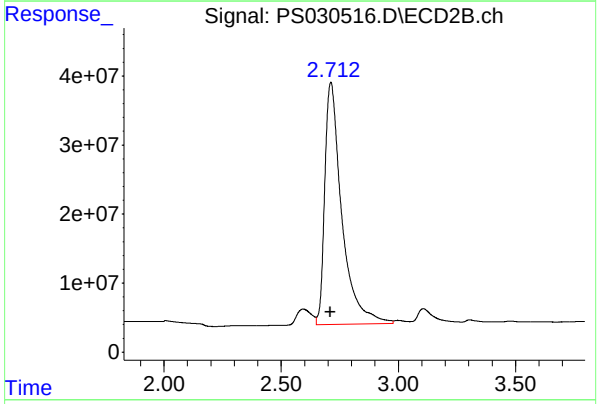
#1 Dalapon

R.T.: 2.716 min
Delta R.T.: -0.004 min
Response: 3731199381
Conc: 660.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

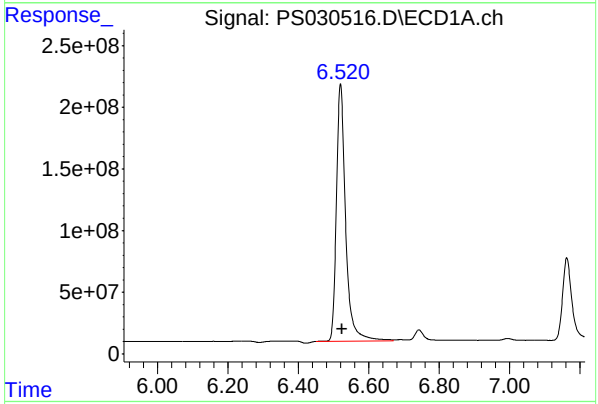
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



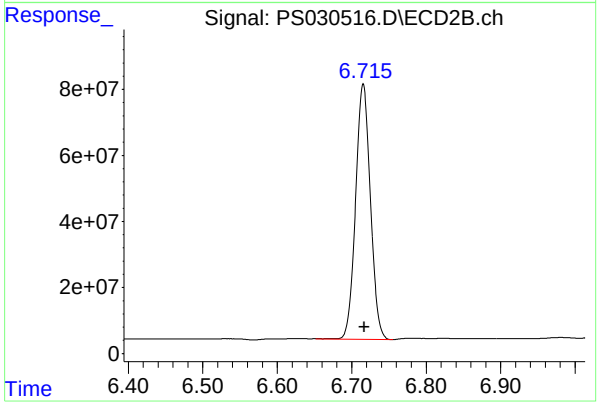
#1 Dalapon

R.T.: 2.712 min
Delta R.T.: 0.002 min
Response: 1777718547
Conc: 648.80 ng/ml



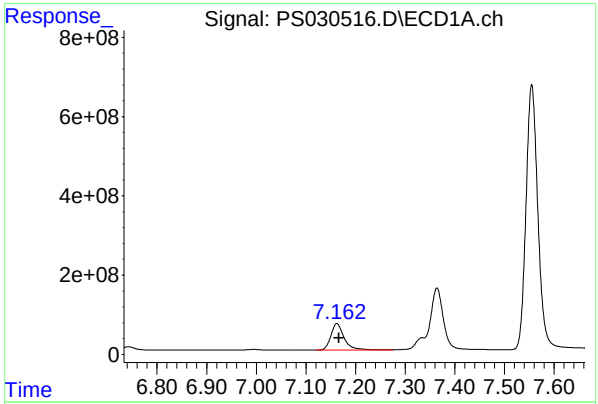
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.520 min
Delta R.T.: -0.004 min
Response: 3801875491
Conc: 700.63 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: -0.002 min
Response: 1066808277
Conc: 681.99 ng/ml



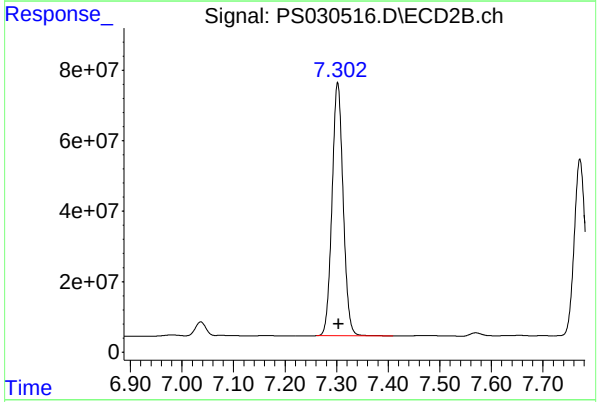
#3 4-Nitrophenol

R.T.: 7.162 min
Delta R.T.: -0.005 mi
Response: 1240690414
Conc: 676.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

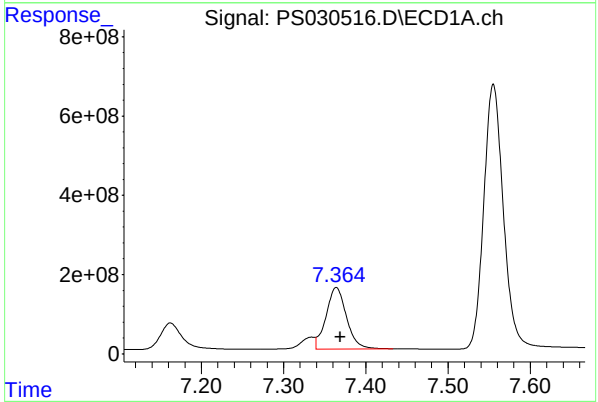
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



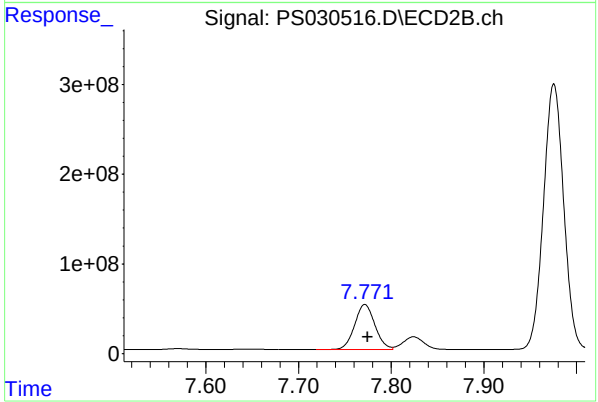
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: -0.002 min
Response: 1073976912
Conc: 685.27 ng/ml



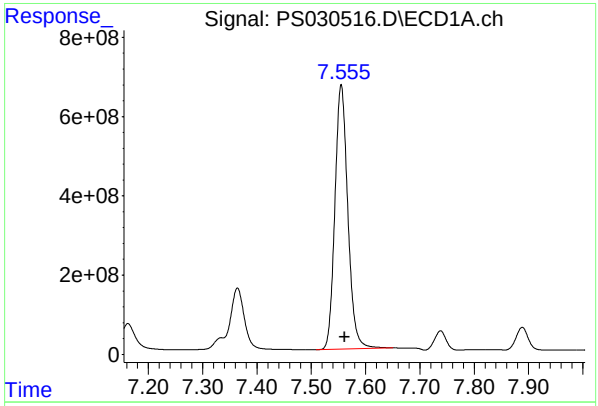
#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 min
Response: 2692659557
Conc: 713.26 ng/ml m



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 762831867
Conc: 709.21 ng/ml



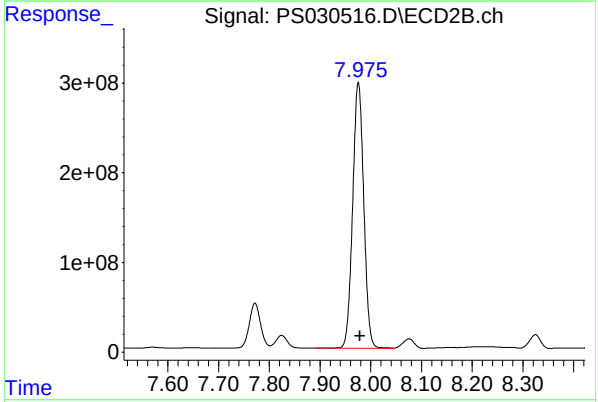
#5 DICAMBA

R.T.: 7.555 min
Delta R.T.: -0.006 mi
Response: 11012773728
Conc: 714.07 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

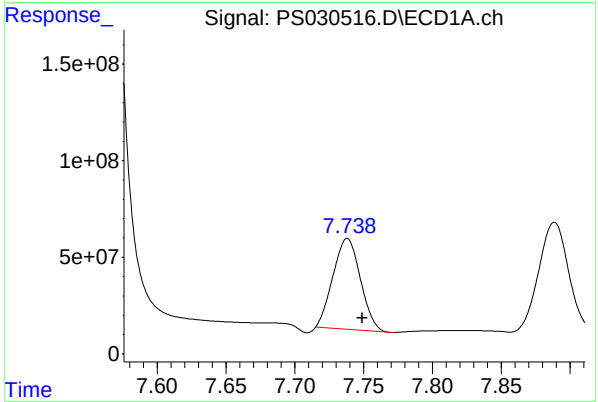
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



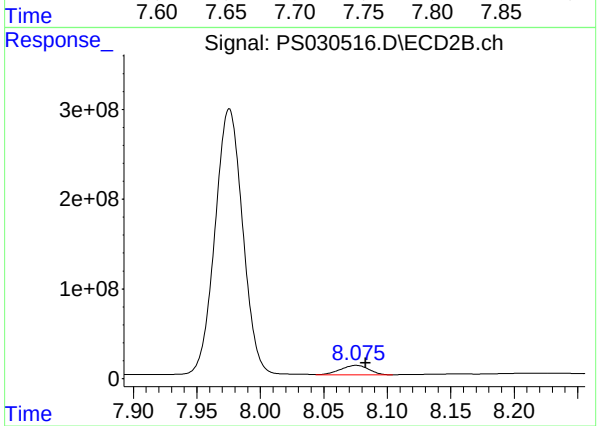
#5 DICAMBA

R.T.: 7.976 min
Delta R.T.: -0.003 min
Response: 4498410387
Conc: 698.33 ng/ml



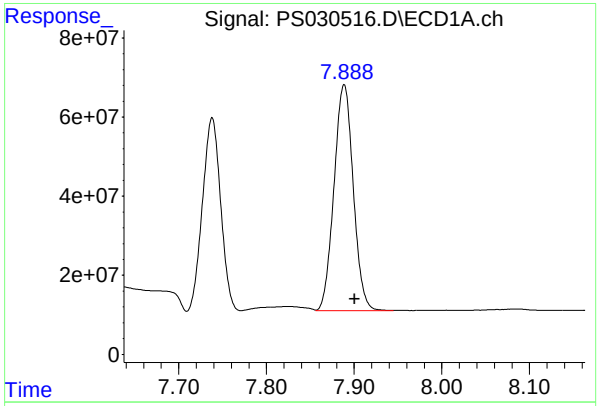
#6 MCPP

R.T.: 7.738 min
Delta R.T.: -0.011 min
Response: 651424012
Conc: 65.77 ug/ml



#6 MCPP

R.T.: 8.075 min
Delta R.T.: -0.008 min
Response: 163098107
Conc: 70.56 ug/ml



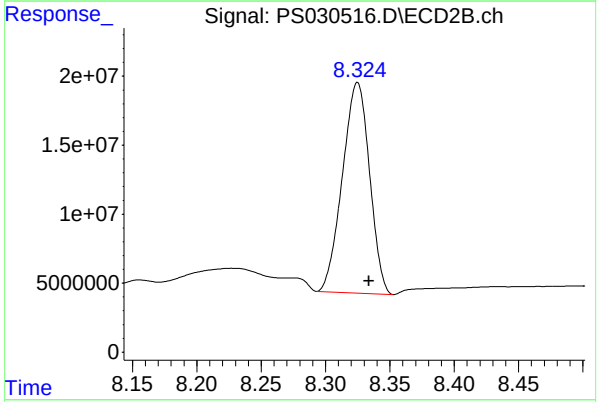
#7 MCPA

R.T.: 7.889 min
Delta R.T.: -0.012 mi
Response: 870405687
Conc: 68.59 ug/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

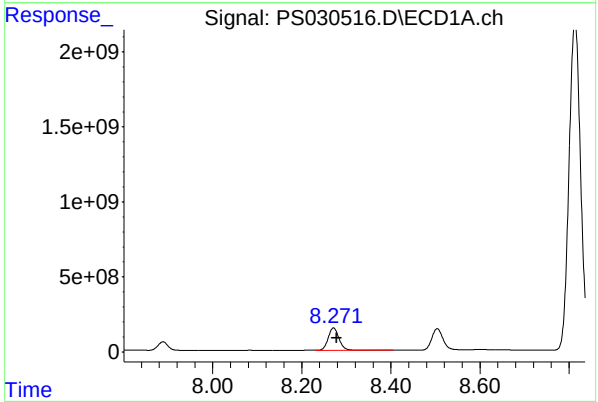
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



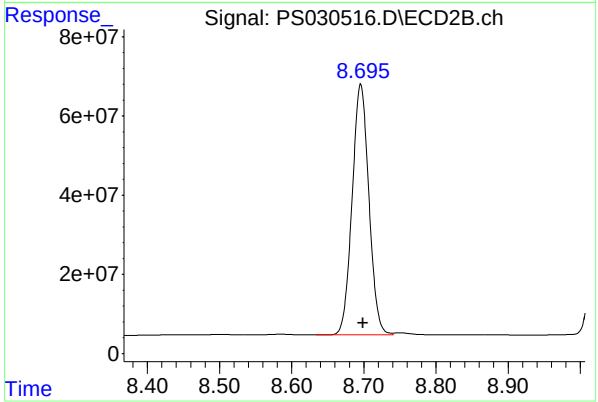
#7 MCPA

R.T.: 8.324 min
Delta R.T.: -0.009 min
Response: 224297166
Conc: 72.68 ug/ml m



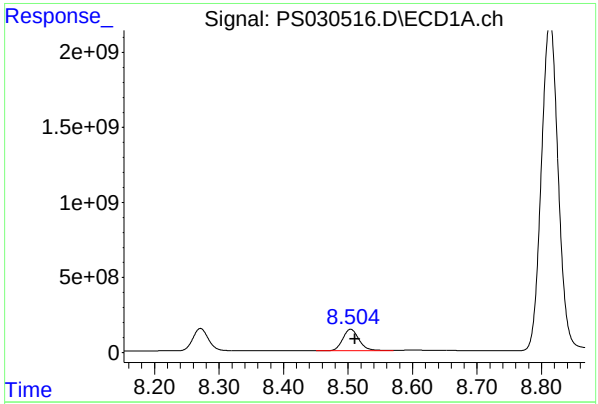
#8 DICHLORPROP

R.T.: 8.271 min
Delta R.T.: -0.007 min
Response: 2521305684
Conc: 693.02 ng/ml



#8 DICHLORPROP

R.T.: 8.696 min
Delta R.T.: -0.003 min
Response: 1022655023
Conc: 689.03 ng/ml



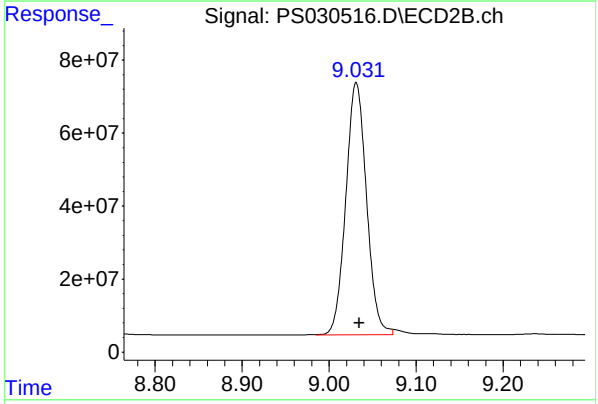
#9 2,4-D

R.T.: 8.504 min
Delta R.T.: -0.007 mi
Response: 2541388606
Conc: 697.49 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

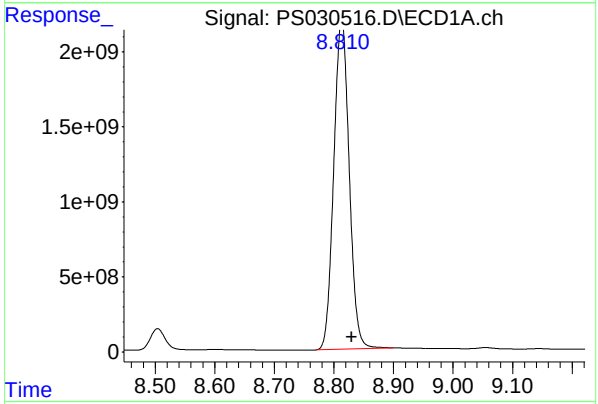
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



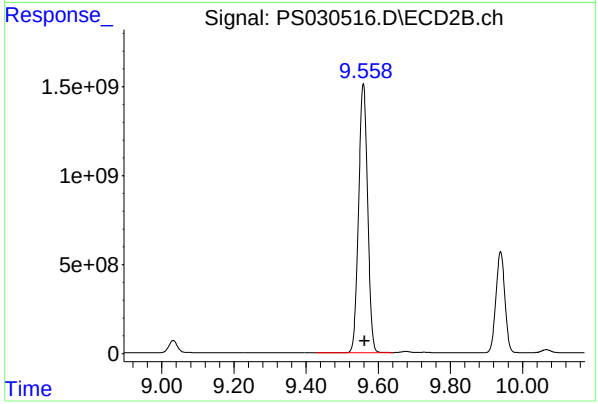
#9 2,4-D

R.T.: 9.031 min
Delta R.T.: -0.004 min
Response: 1144065590
Conc: 727.63 ng/ml m



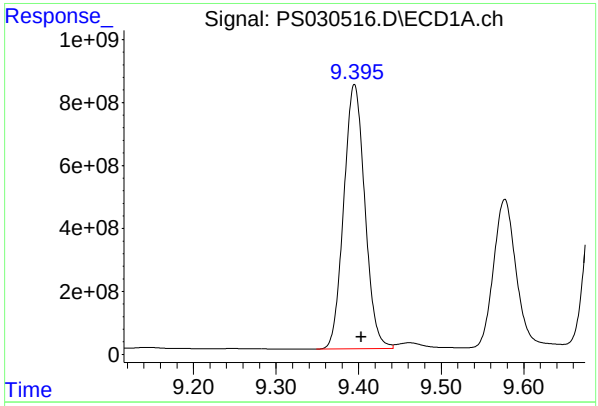
#10 Pentachlorophenol

R.T.: 8.813 min
Delta R.T.: -0.016 min
Response: 39349895867
Conc: 774.82 ng/ml



#10 Pentachlorophenol

R.T.: 9.559 min
Delta R.T.: -0.004 min
Response: 26276883260
Conc: 727.13 ng/ml



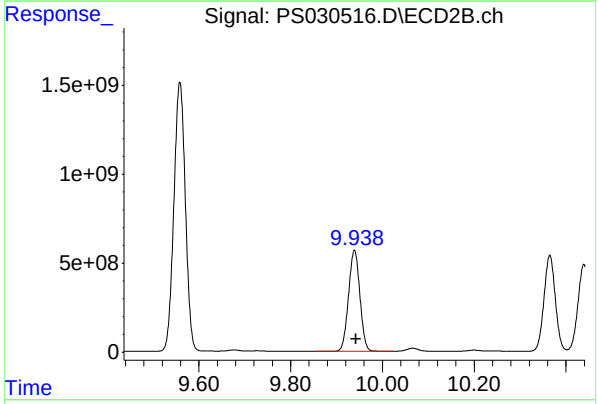
#11 2,4,5-TP (SILVEX)

R.T.: 9.395 min
Delta R.T.: -0.008 min
Response: 14892947509
Conc: 720.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

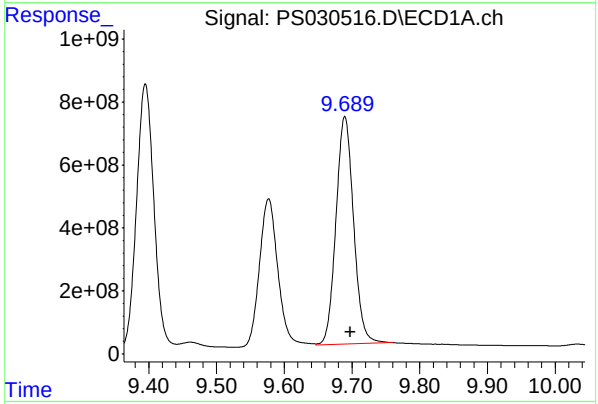
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



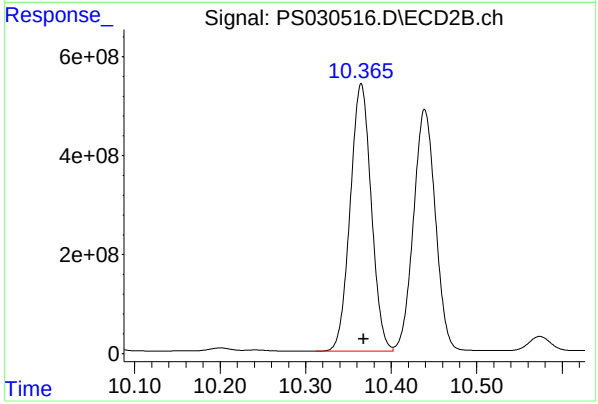
#11 2,4,5-TP (SILVEX)

R.T.: 9.939 min
Delta R.T.: -0.003 min
Response: 9734589361
Conc: 709.69 ng/ml



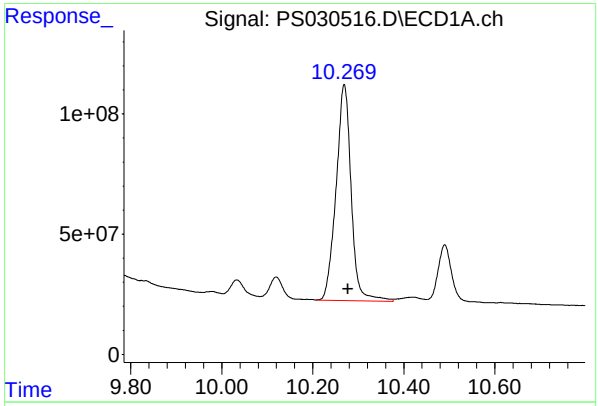
#12 2,4,5-T

R.T.: 9.690 min
Delta R.T.: -0.008 min
Response: 13045404225
Conc: 707.79 ng/ml



#12 2,4,5-T

R.T.: 10.365 min
Delta R.T.: -0.003 min
Response: 9235594912
Conc: 707.32 ng/ml



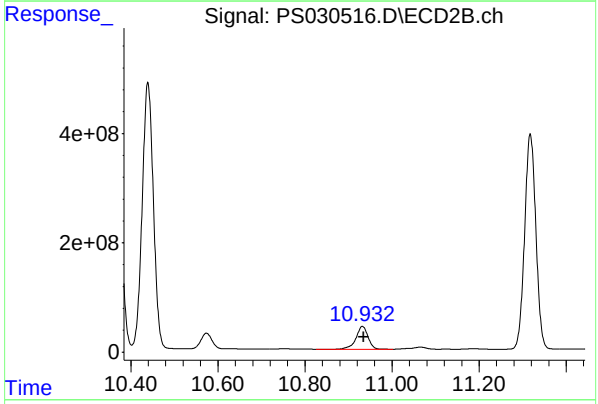
#13 2,4-DB

R.T.: 10.269 min
Delta R.T.: -0.008 min
Response: 2070229958
Conc: 681.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

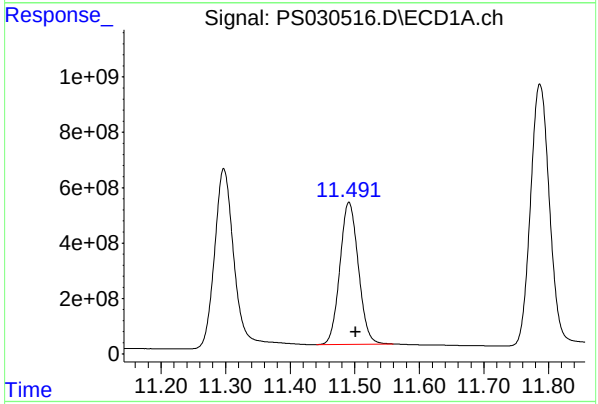
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



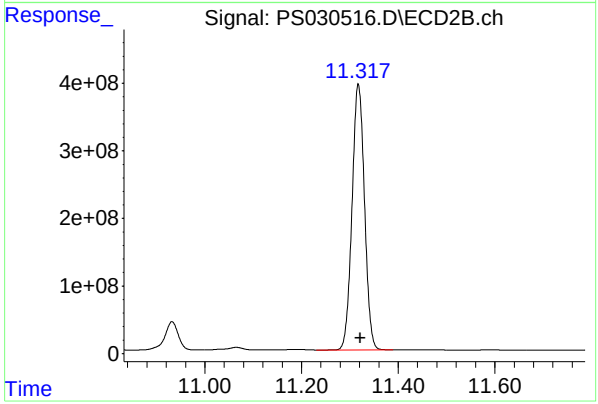
#13 2,4-DB

R.T.: 10.932 min
Delta R.T.: -0.003 min
Response: 800479294
Conc: 696.34 ng/ml



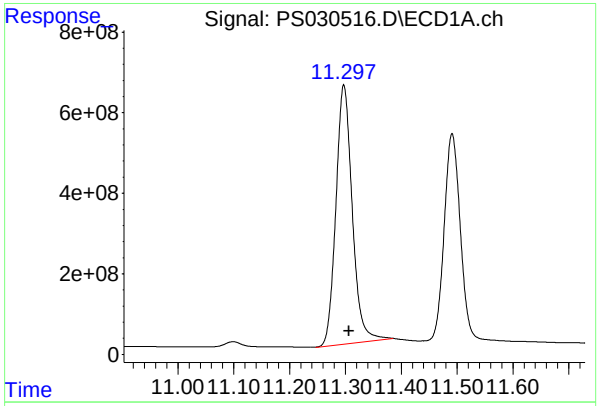
#14 DINOSEB

R.T.: 11.491 min
Delta R.T.: -0.010 min
Response: 10193750938
Conc: 709.13 ng/ml



#14 DINOSEB

R.T.: 11.318 min
Delta R.T.: -0.004 min
Response: 7033929096
Conc: 699.89 ng/ml



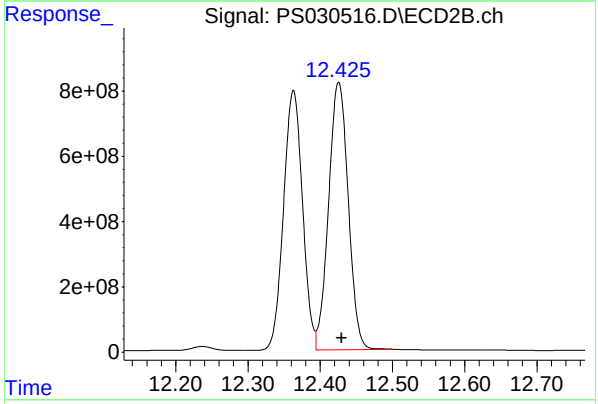
#15 Picloram

R.T.: 11.297 min
Delta R.T.: -0.010 min
Response: 13101718344
Conc: 654.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

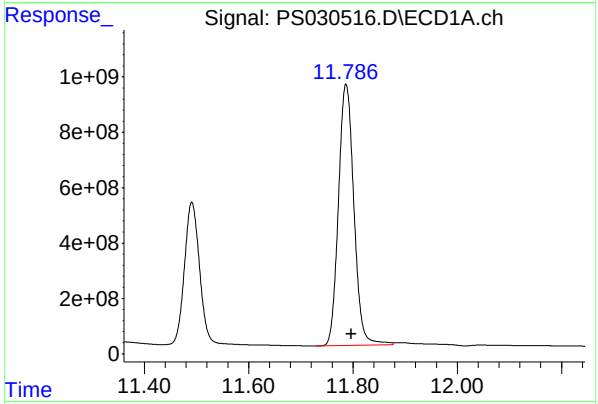
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



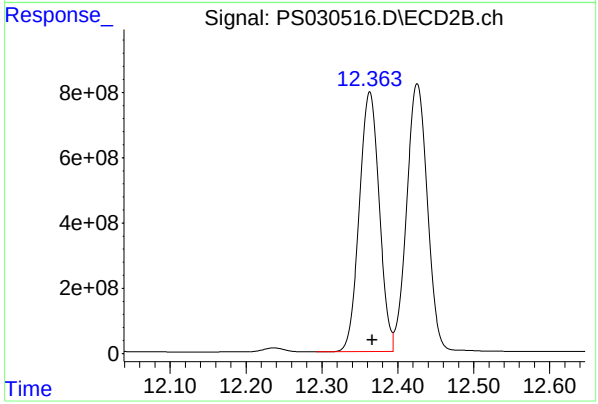
#15 Picloram

R.T.: 12.426 min
Delta R.T.: -0.004 min
Response: 15476291037
Conc: 700.80 ng/ml



#16 DCPA

R.T.: 11.787 min
Delta R.T.: -0.010 min
Response: 19415287150
Conc: 734.31 ng/ml



#16 DCPA

R.T.: 12.363 min
Delta R.T.: -0.004 min
Response: 14491372147
Conc: 708.18 ng/ml

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Fax : 908 789 8922

Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/04/2025 06/04/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	06/04/2025	10:55	PS030475.D	7.37	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.37	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.37	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.37	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.37	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.37	0.00
I.BLK	I.BLK	06/04/2025	19:39	PS030496.D	7.37	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	20:03	PS030497.D	7.37	0.00
OR-400-CF-402B-COMP-23MS	Q2173-06MS	06/04/2025	20:51	PS030498.D	7.36	0.00
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	06/04/2025	21:15	PS030499.D	7.36	0.00
I.BLK	I.BLK	06/04/2025	23:40	PS030505.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	00:04	PS030506.D	7.36	0.00
B-187-SB01	Q2177-03	06/05/2025	00:52	PS030507.D	7.36	0.00
B-187-SB02	Q2177-05	06/05/2025	01:16	PS030508.D	7.36	0.00
B-202-SB01	Q2177-07	06/05/2025	01:40	PS030509.D	7.36	0.00
PB168263BL	PB168263BL	06/05/2025	02:04	PS030510.D	7.36	0.00
PB168263BS	PB168263BS	06/05/2025	02:28	PS030511.D	7.36	0.00
PB168224TB	PB168224TB	06/05/2025	02:53	PS030512.D	7.36	0.00
I.BLK	I.BLK	06/05/2025	04:05	PS030515.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	04:29	PS030516.D	7.36	0.00

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q2177

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/04/2025 06/04/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	06/04/2025	10:55	PS030475.D	7.77	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.77	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.77	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.77	0.00
I.BLK	I.BLK	06/04/2025	19:39	PS030496.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	20:03	PS030497.D	7.77	0.00
OR-400-CF-402B-COMP-23MS	Q2173-06MS	06/04/2025	20:51	PS030498.D	7.77	0.00
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	06/04/2025	21:15	PS030499.D	7.77	0.00
I.BLK	I.BLK	06/04/2025	23:40	PS030505.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	00:04	PS030506.D	7.77	0.00
B-187-SB01	Q2177-03	06/05/2025	00:52	PS030507.D	7.77	0.00
B-187-SB02	Q2177-05	06/05/2025	01:16	PS030508.D	7.77	0.00
B-202-SB01	Q2177-07	06/05/2025	01:40	PS030509.D	7.77	0.00
PB168263BL	PB168263BL	06/05/2025	02:04	PS030510.D	7.77	0.00
PB168263BS	PB168263BS	06/05/2025	02:28	PS030511.D	7.77	0.00
PB168224TB	PB168224TB	06/05/2025	02:53	PS030512.D	7.77	0.00
I.BLK	I.BLK	06/05/2025	04:05	PS030515.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	04:29	PS030516.D	7.77	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OR-400-CF-402B-COMP-23MS

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Lab Sample ID: Q2173-06MS **Date(s) Analyzed:** 06/04/2025 06/04/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.51	8.46	8.56	50.6	12.4
	2	9.03	8.98	9.08	44.7	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	49.0	6.5
	2	9.94	9.89	9.99	45.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OR-400-CF-402B-COMP-23MSD

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Lab Sample ID: Q2173-06MSD **Date(s) Analyzed:** 06/04/2025 06/04/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.51	8.46	8.56	49.8	16.1
	2	9.03	8.98	9.08	42.4	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	48.6	4.2
	2	9.94	9.89	9.99	46.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168263BS

Contract: PORT06

Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177

Lab Sample ID: PB168263BS **Date(s) Analyzed:** 06/05/2025 06/05/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.50	8.45	8.55	4.80	4.1
	2	9.03	8.98	9.08	5.00	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	5.00	2
	2	9.94	9.89	9.99	4.90	

QC SAMPLE DATA

Raw Data: **PS030510.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168263BL	SDG No.:	Q2177
Lab Sample ID:	PB168263BL	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
PS030510.D	1	06/03/25 11:15	06/05/25 02:04	PB168263

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	472		70 (61) - 130 (136)	94%	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

Quantitation Report (QT Reviewed)

Sample Results: **PS030510.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:04
Operator : AR\AJ
Sample : PB168263BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168263BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	1639.8E6	507.5E6	434.369	471.841
	Target Compounds						

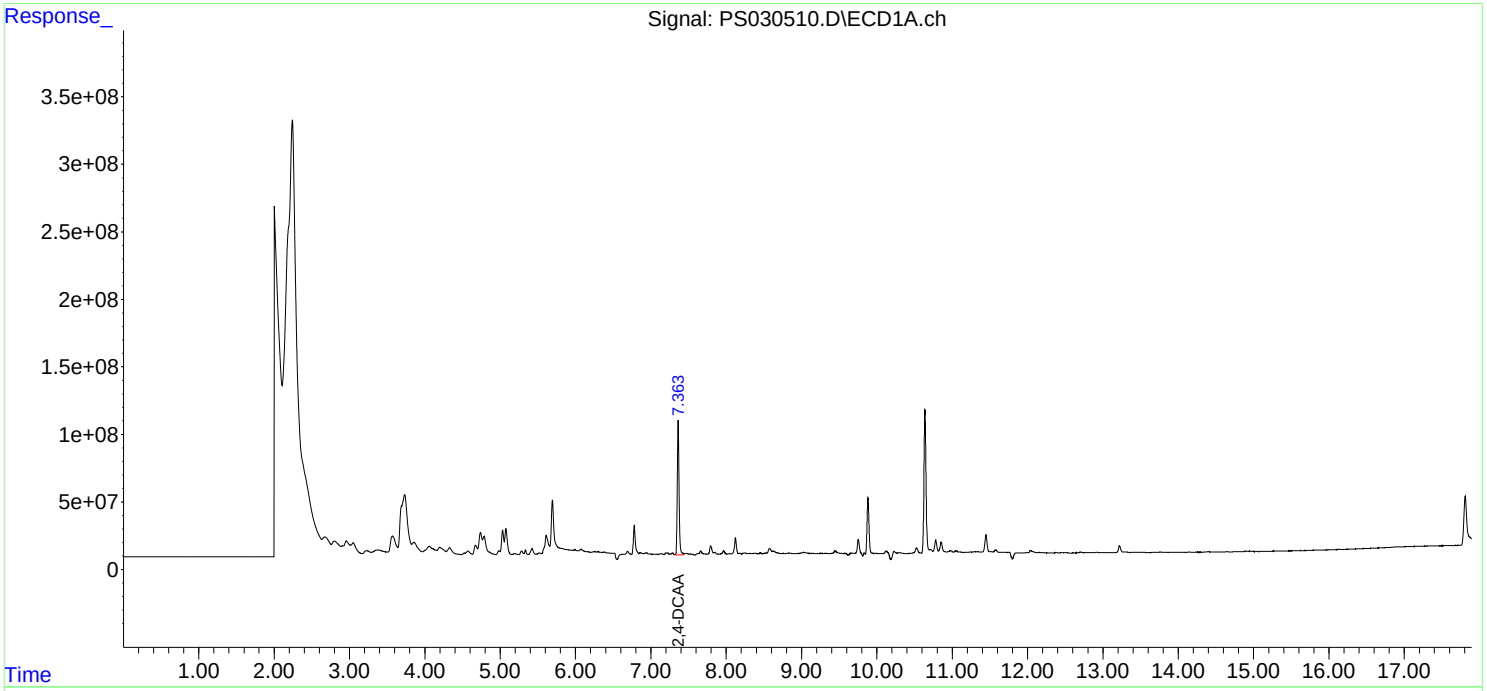
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

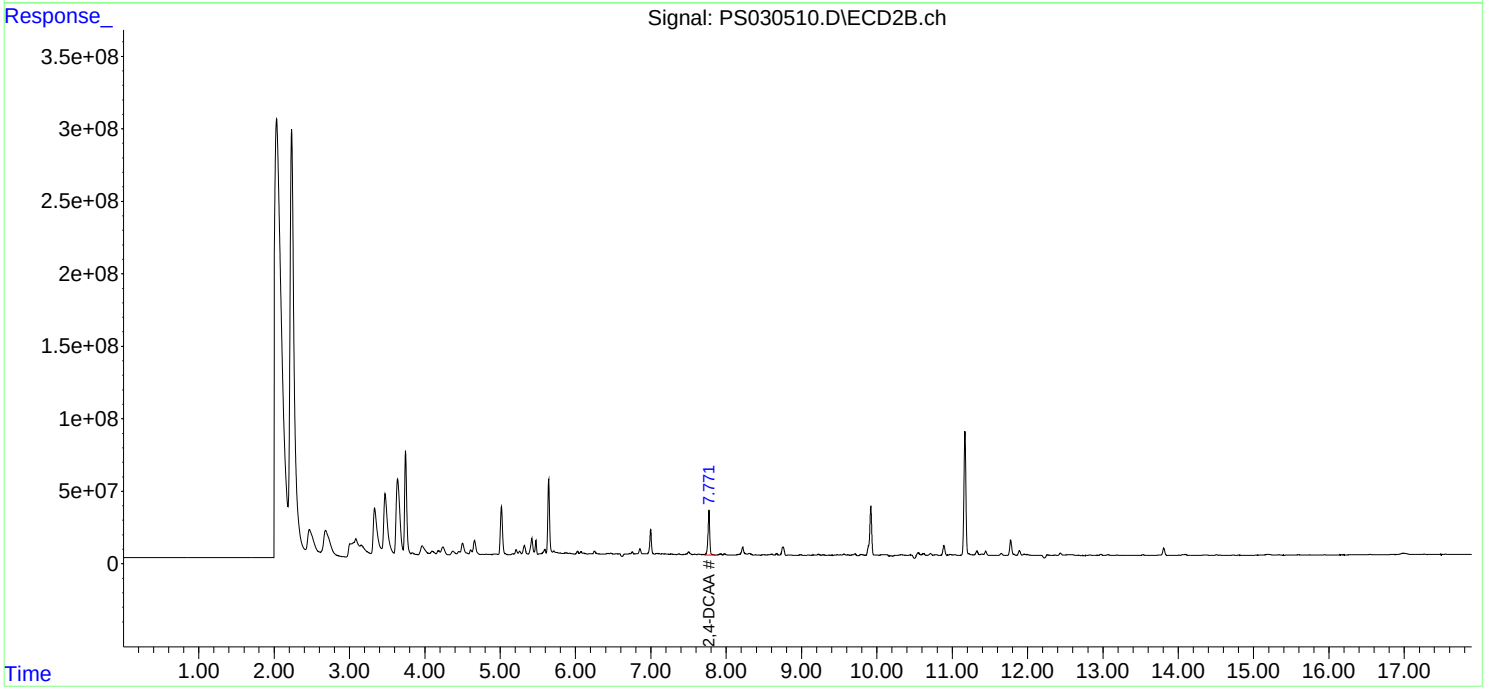
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:04
Operator : AR\AJ
Sample : PB168263BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

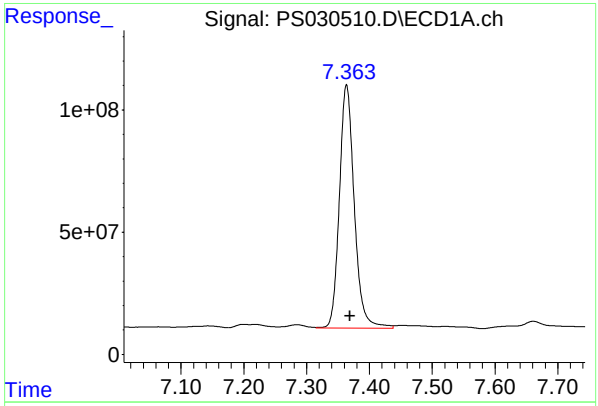
Instrument :
ECD_S
ClientSampleId :
PB168263BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



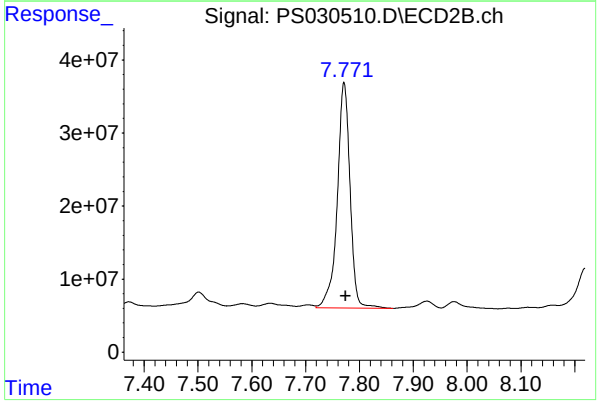




#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 mi
Response: 1639807752
Conc: 434.37 ng/m

Instrument :
ECD_S
ClientSampleId :
PB168263BL



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 507516852
Conc: 471.84 ng/ml

Raw Data: **PS030475.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030475.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PS030475.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
PS030475.D	1		06/04/25	PS060425

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	445		70 (61) - 130 (136)	89%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:22:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.370	7.773	1564.7E6	478.3E6	414.469	444.721
	Target Compounds						

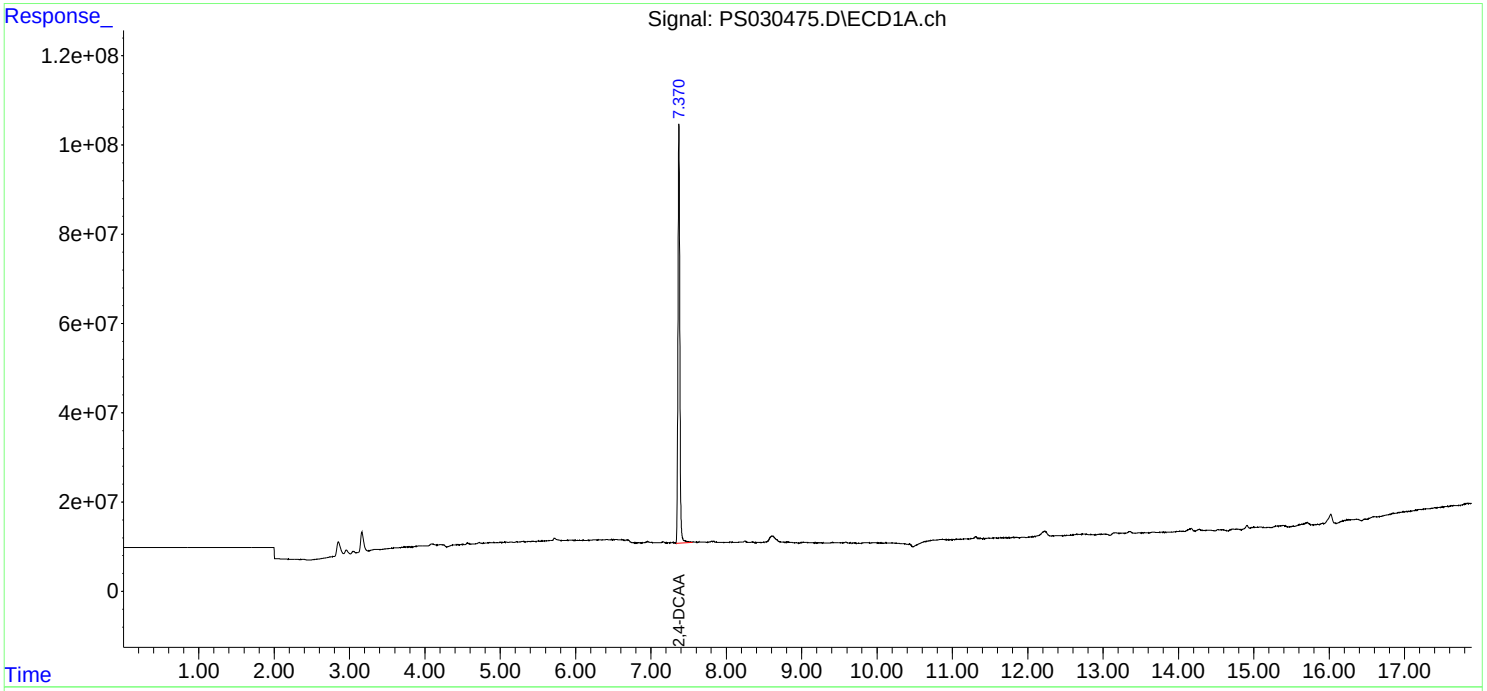
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

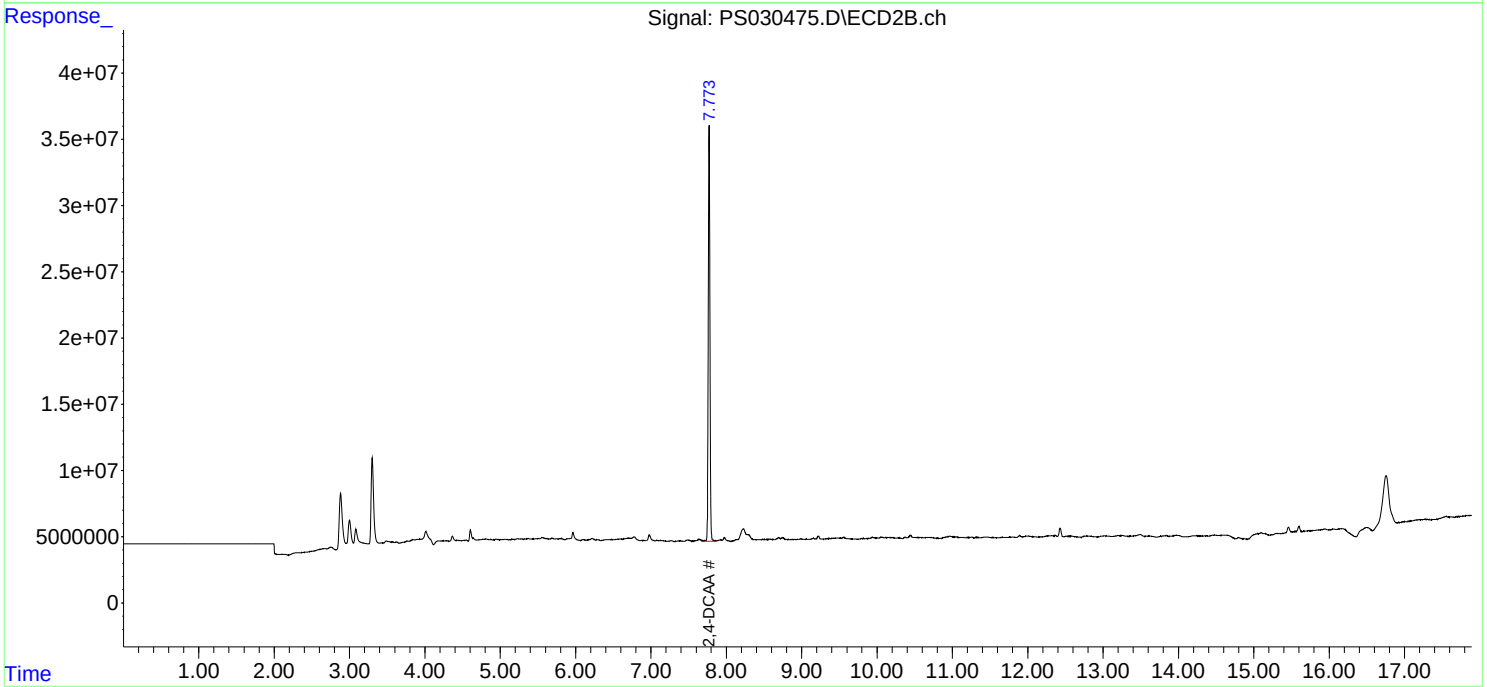
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

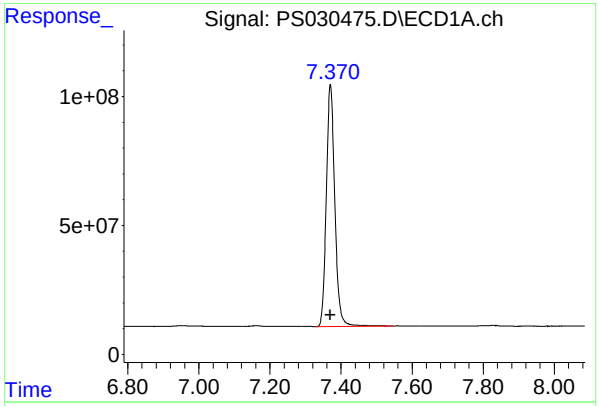
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:22:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



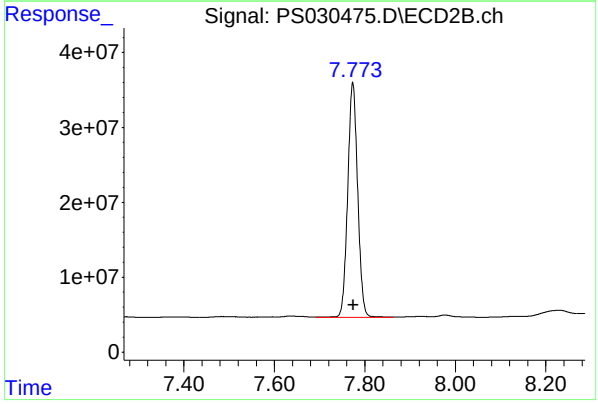




#4 2,4-DCAA

R.T.: 7.370 min
Delta R.T.: 0.001 min
Response: 1564680230
Conc: 414.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.773 min
Delta R.T.: -0.001 min
Response: 478346753
Conc: 444.72 ng/ml

Raw Data: **PS030496.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030496.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PS030496.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
PS030496.D	1		06/04/25	PS060425

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	459		70 (61) - 130 (136)	92%	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

Quantitation Report (QT Reviewed)

Sample Results: **PS030496.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 19:39
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 23:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.365	7.772	1678.4E6	493.8E6	444.586	459.056
	Target Compounds						

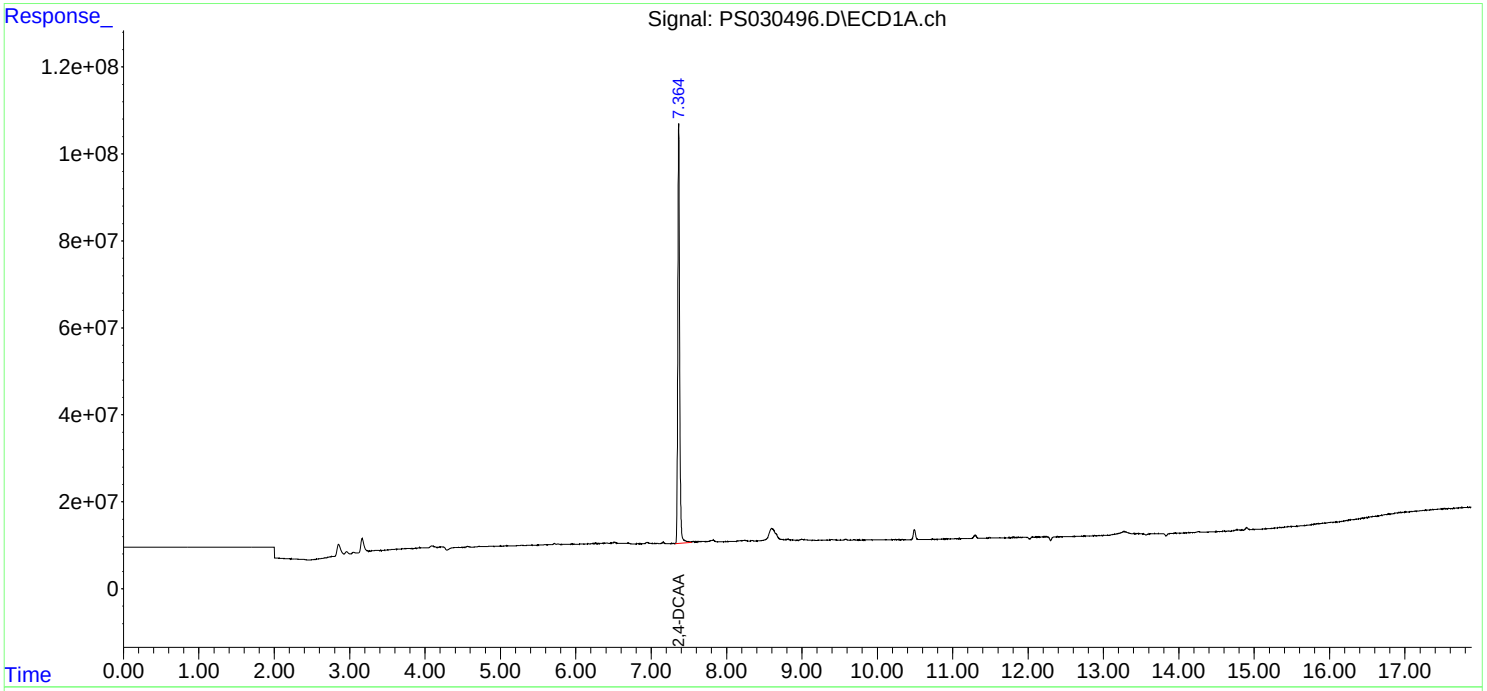
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

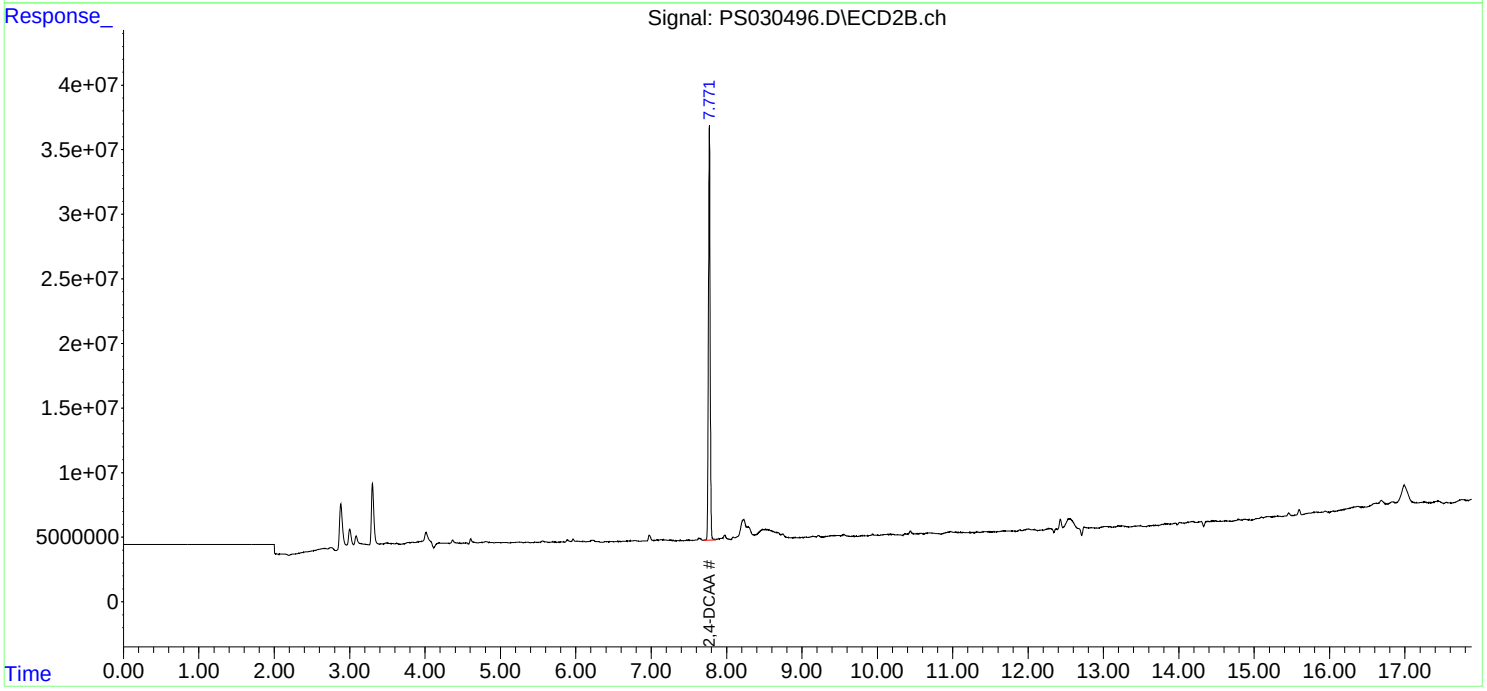
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 19:39
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

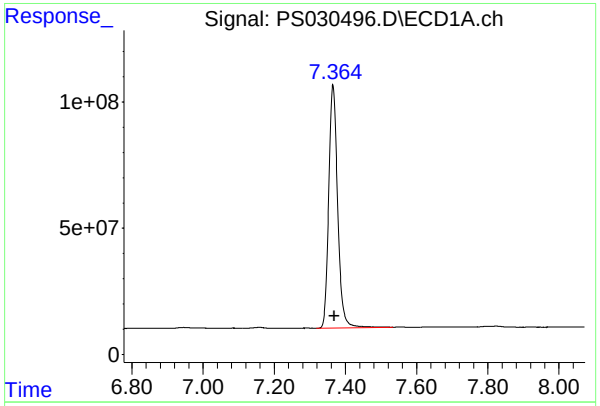
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 23:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



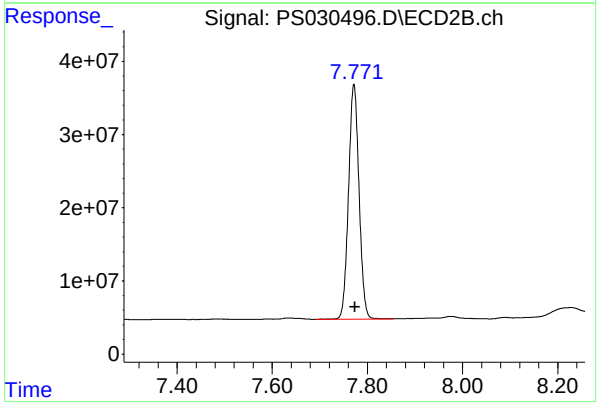




#4 2,4-DCAA

R.T.: 7.365 min
Delta R.T.: -0.004 min
Response: 1678375630
Conc: 444.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 493765235
Conc: 459.06 ng/ml

Raw Data: **PS030505.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030505.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PS030505.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
PS030505.D	1		06/04/25	ps060425

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	460		70 (61) - 130 (136)	92%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 23:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:41:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	1669.8E6	494.9E6	442.315	460.072
	Target Compounds						

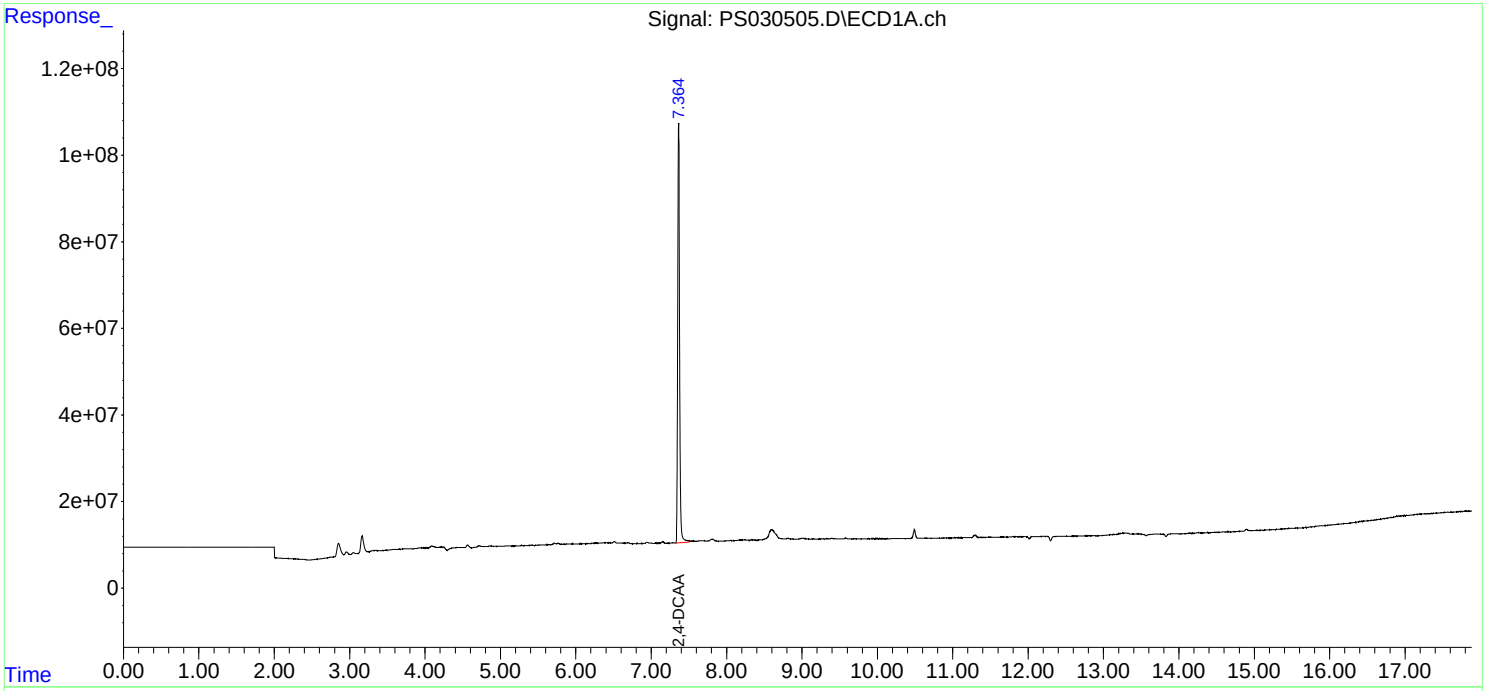
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

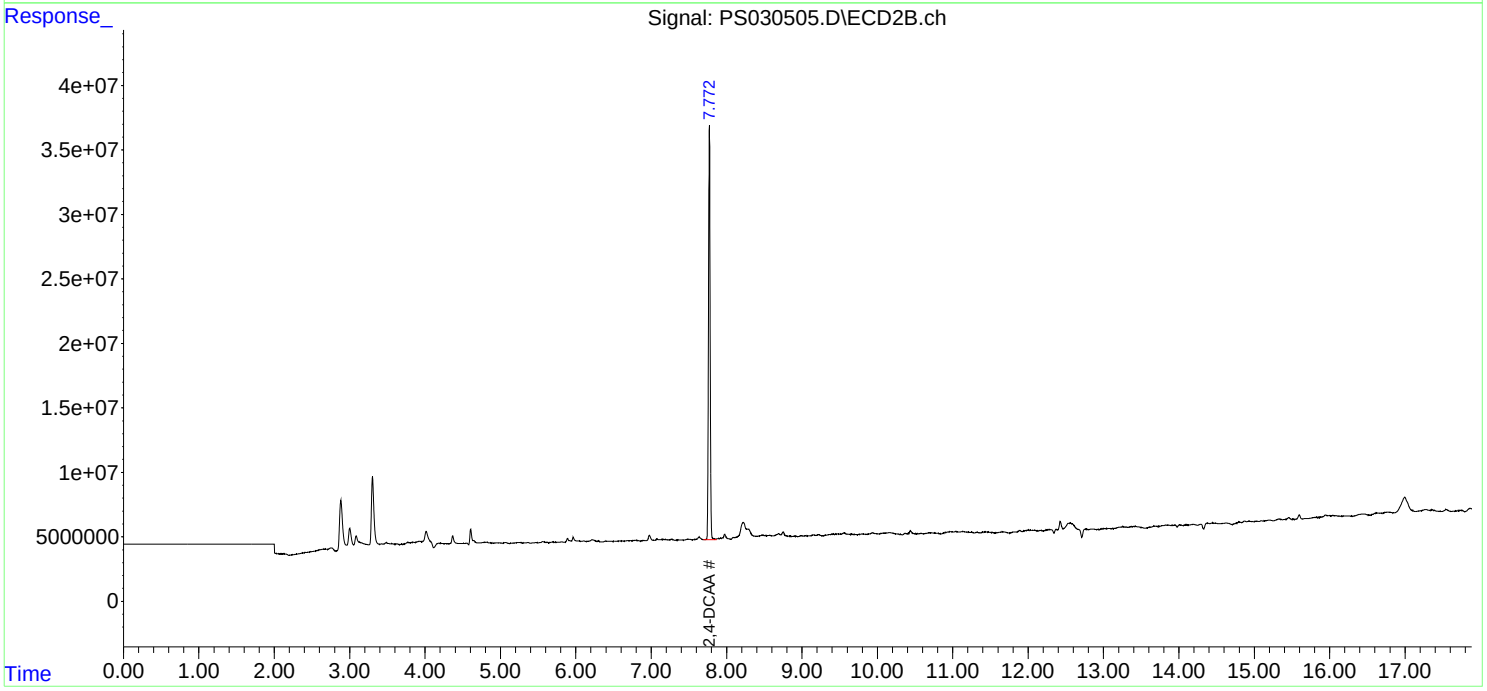
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 23:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

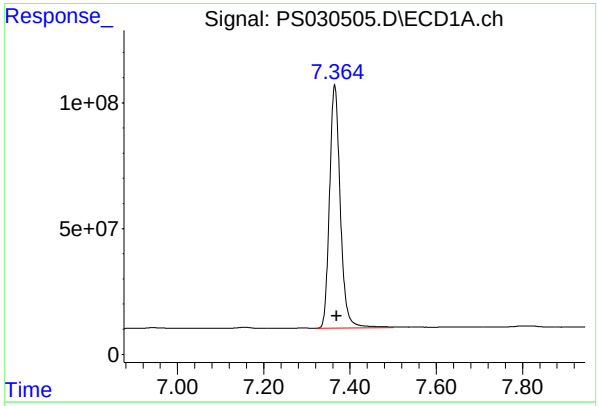
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:41:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



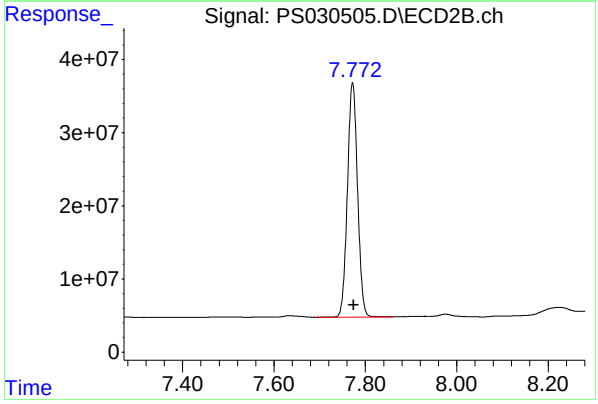




#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 min
Response: 1669804214
Conc: 442.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.002 min
Response: 494858670
Conc: 460.07 ng/ml

Raw Data: **PS030515.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/05/25
Client Sample ID:	PIBLK-PS030515.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PS030515.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
PS030515.D	1		06/05/25	ps060425

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	460		70 (61) - 130 (136)	92%	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

Quantitation Report (QT Reviewed)

Sample Results: **PS030515.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030515.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 04:05
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.363	7.772	1688.5E6	494.4E6	447.278	459.680
	Target Compounds						

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

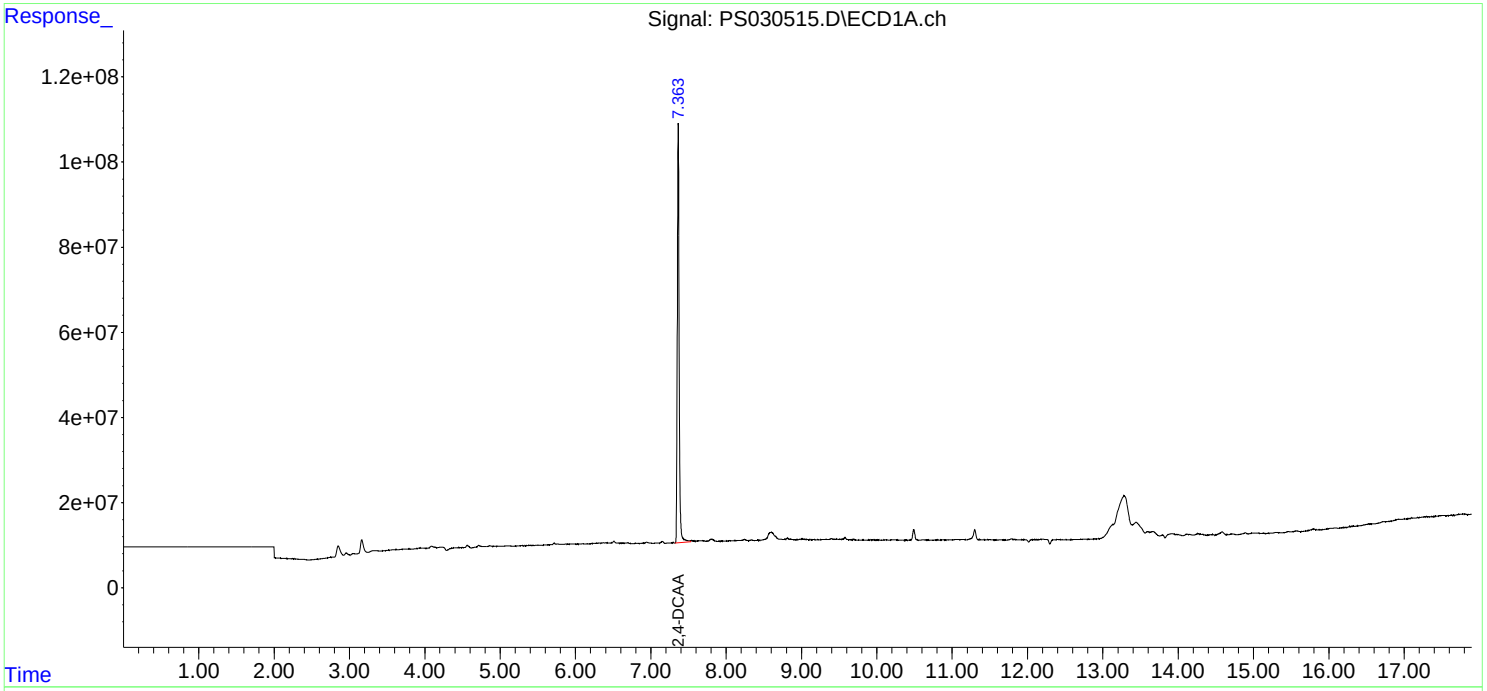
Sample Results: **PS030515.D**

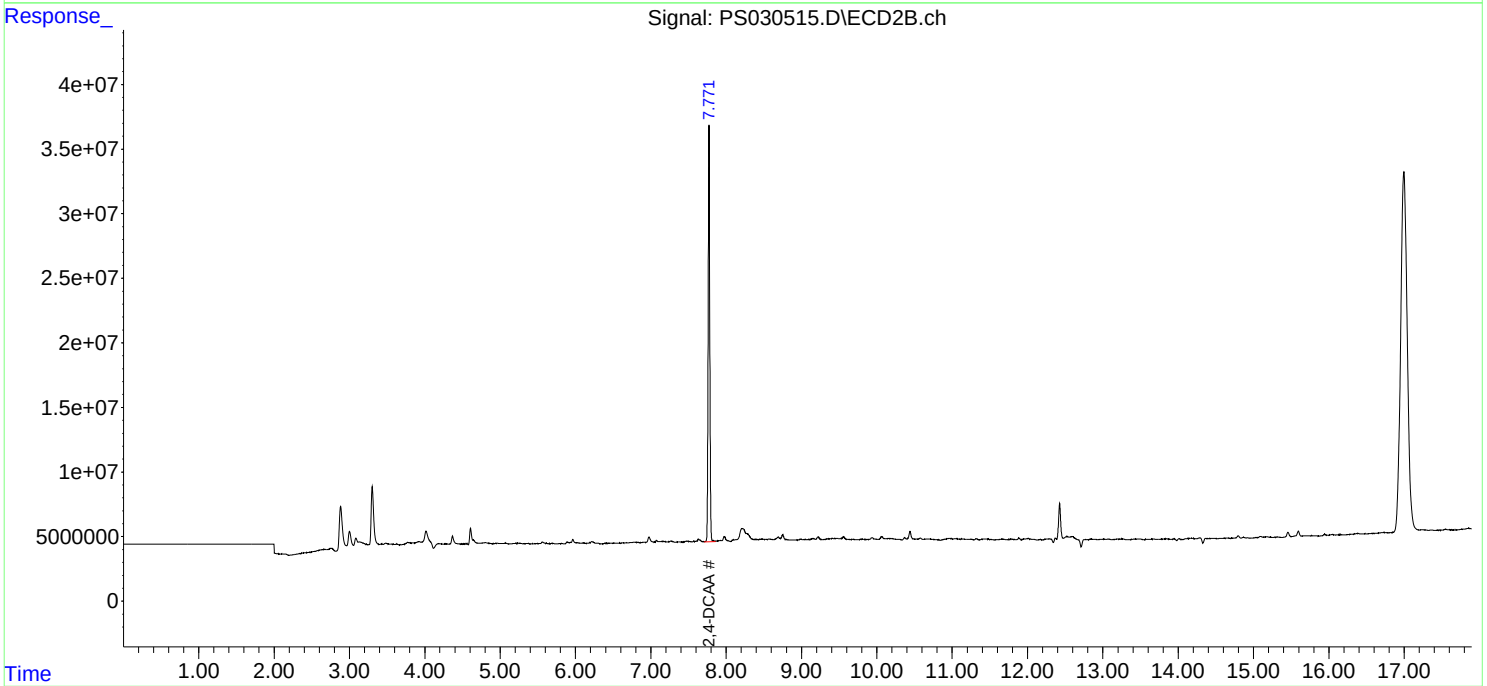
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030515.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 04:05
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

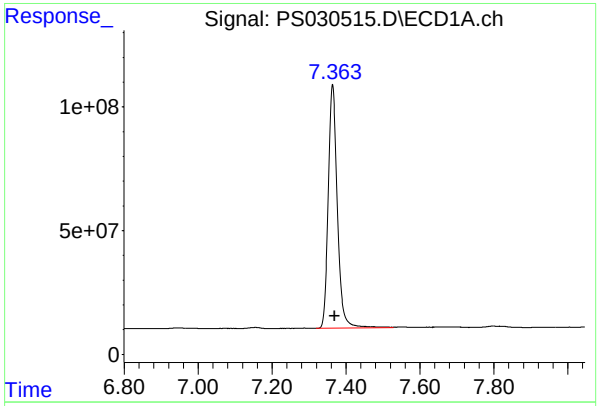
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



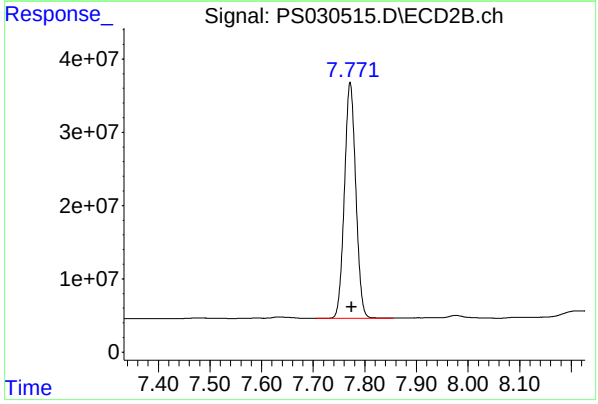




#4 2,4-DCAA

R.T.: 7.363 min
Delta R.T.: -0.006 mi
Response: 1688540451
Conc: 447.28 ng/m

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 494436870
Conc: 459.68 ng/ml

Raw Data: **PS030511.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168263BS	SDG No.:	Q2177
Lab Sample ID:	PB168263BS	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
PS030511.D	1	06/03/25 11:15	06/05/25 02:28	PB168263

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.00		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.00		0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	510		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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030511.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:28
Operator : AR\AJ
Sample : PB168263BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168263BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	1925.7E6	544.7E6	510.093m	506.410
		Target Compounds						
1)	T	Dalapon	2.712	2.711	2596.0E6	1220.2E6	459.714	445.328
2)	T	3,5-DICHL...	6.520	6.716	2659.9E6	742.5E6	490.177	474.690
3)	T	4-Nitroph...	7.163	7.302	855.6E6	727.5E6	466.562	464.208
5)	T	DICAMBA	7.556	7.976	7599.7E6	3089.9E6	492.765	479.681
6)	T	MCPP	7.737	8.074	433.1E6	109.3E6	43.724	47.290
7)	T	MCPA	7.887	8.322	578.5E6	148.3E6	45.586	48.064m
8)	T	DICHLORPROP	8.272	8.696	1769.1E6	715.0E6	486.261	481.711
9)	T	2,4-D	8.504	9.032	1741.9E6	781.5E6	478.056	497.007
10)	T	Pentachlo...	8.813	9.559	27535.8E6	18191.2E6	542.190	503.382
11)	T	2,4,5-TP ...	9.396	9.939	10338.3E6	6691.4E6	500.281	487.827
12)	T	2,4,5-T	9.690	10.365	8844.2E6	6368.0E6	479.855	487.702
13)	T	2,4-DB	10.271	10.933	1363.3E6	550.9E6	448.990	479.217
14)	T	DINOSEB	11.493	11.318	7061.9E6	4795.8E6	491.267	477.191
15)	T	Picloram	11.298	12.426	8118.5E6	10135.5E6	405.828	458.954m
16)	T	DCPA	11.789	12.362	13528.1E6	10229.0E6	511.651	499.880m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030511.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 02:28
Operator : AR\AJ
Sample : PB168263BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

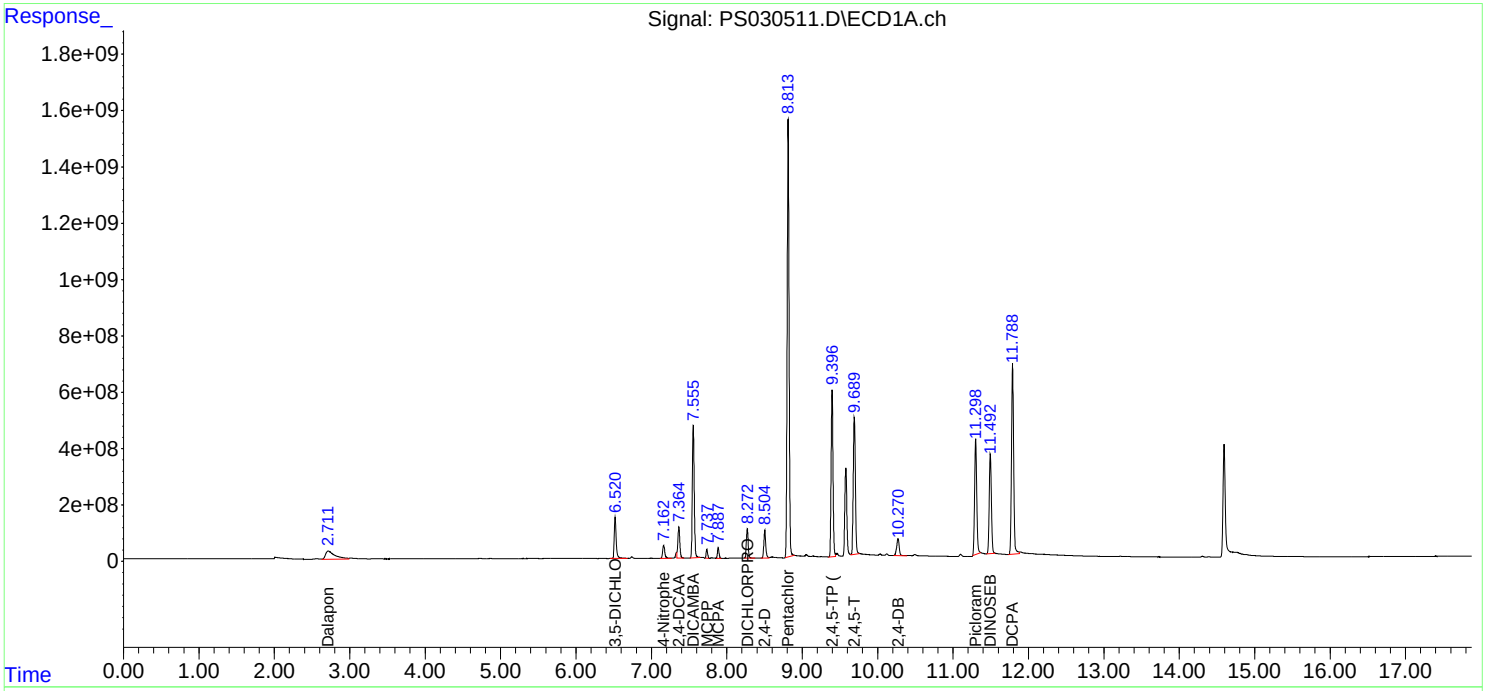
Instrument :
ECD_S
ClientSampleId :
PB168263BS

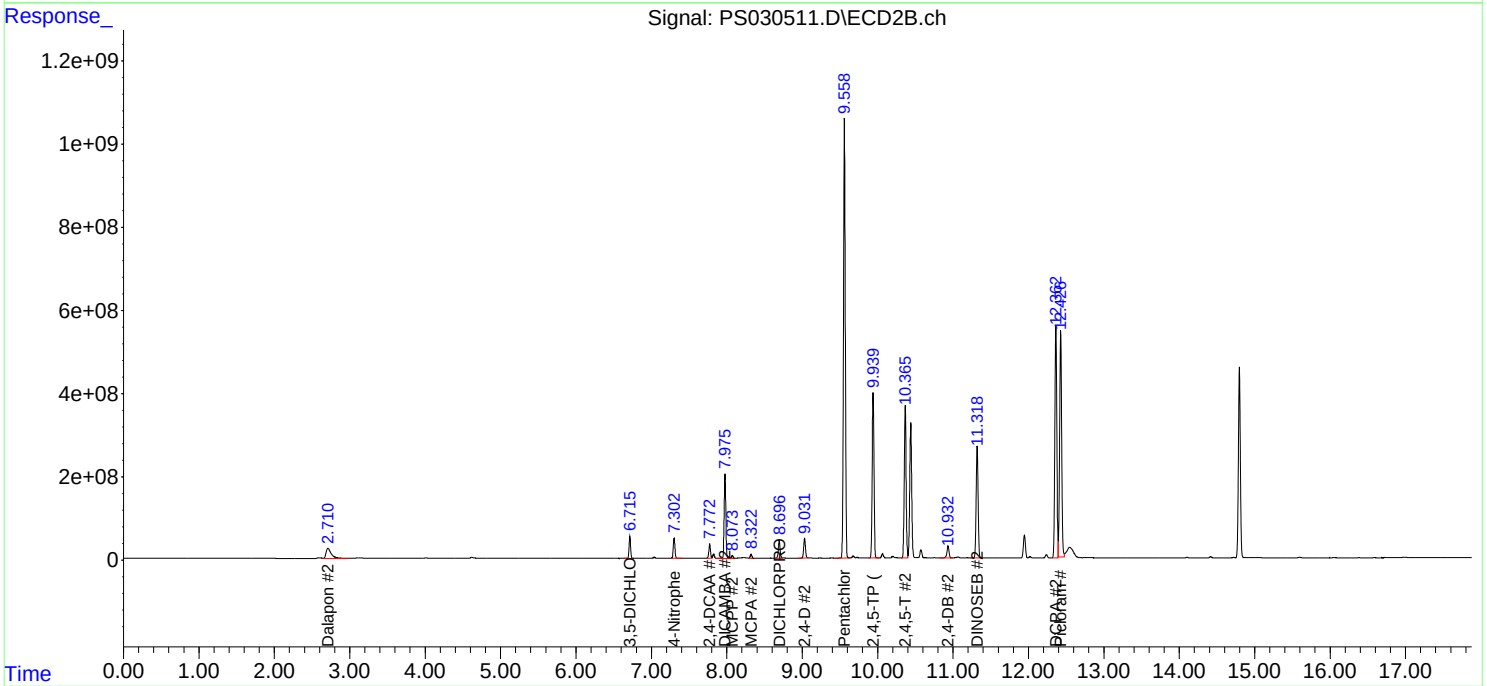
Manual Integrations APPROVED

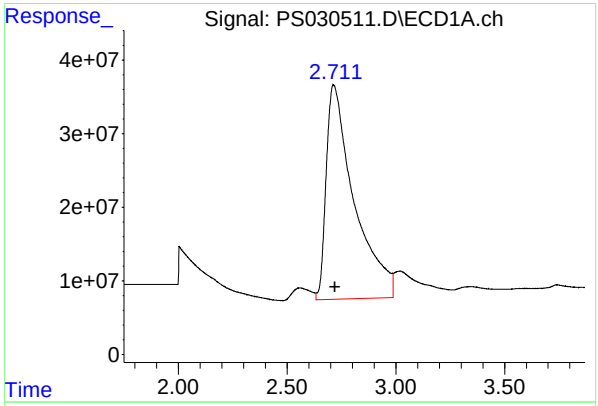
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:32:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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







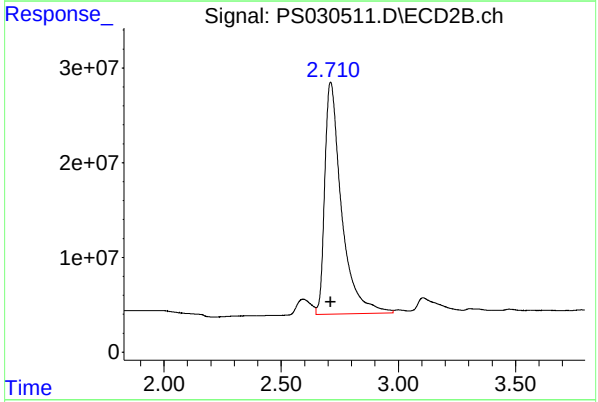
#1 Dalapon

R.T.: 2.712 min
Delta R.T.: -0.008 mi
Response: 2595990747
Conc: 459.71 ng/m

Instrument :
ECD_S
ClientSampleId :
PB168263BS

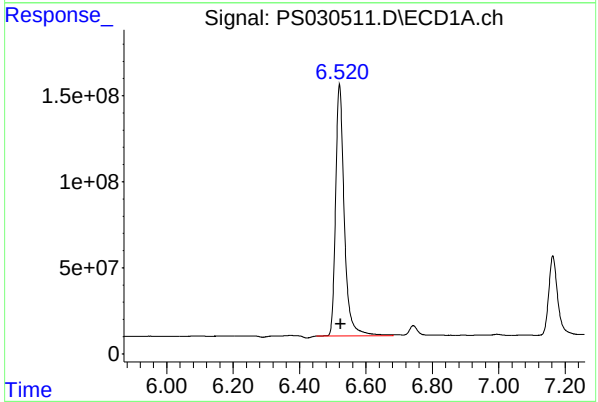
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



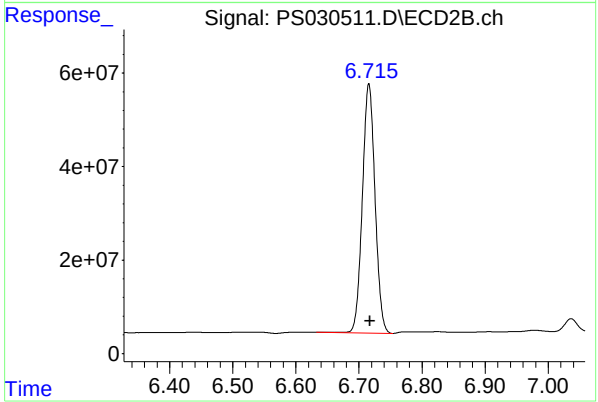
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 1220206297
Conc: 445.33 ng/ml



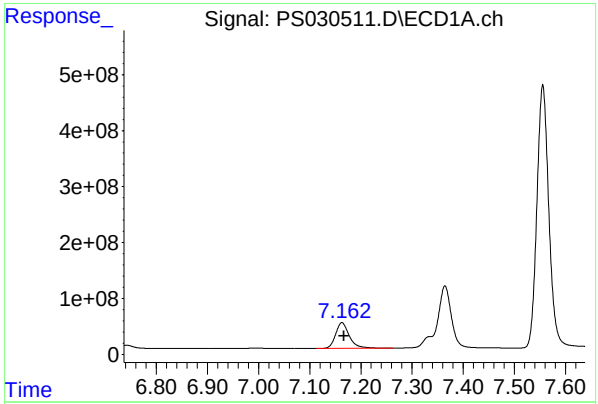
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.520 min
Delta R.T.: -0.004 min
Response: 2659874623
Conc: 490.18 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: -0.002 min
Response: 742532222
Conc: 474.69 ng/ml



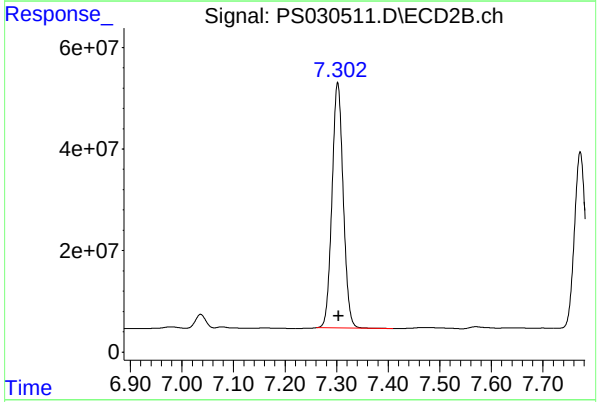
#3 4-Nitrophenol

R.T.: 7.163 min
Delta R.T.: -0.004 mi
Response: 855559774
Conc: 466.56 ng/m

Instrument :
ECD_S
ClientSampleId :
PB168263BS

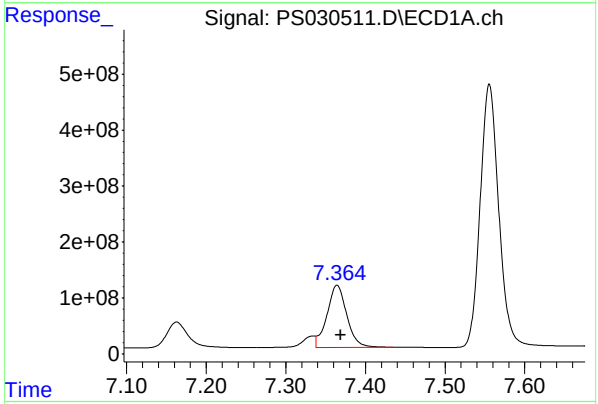
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



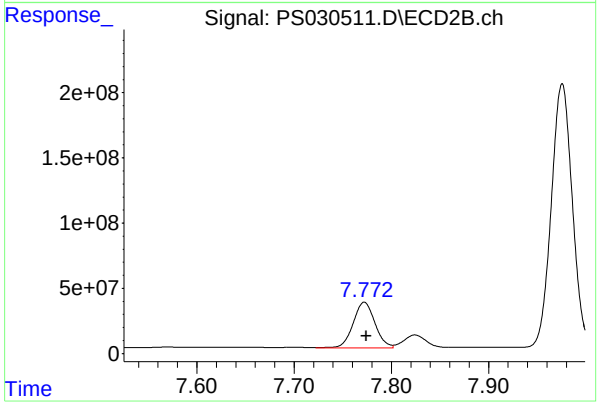
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: -0.002 min
Response: 727526925
Conc: 464.21 ng/ml



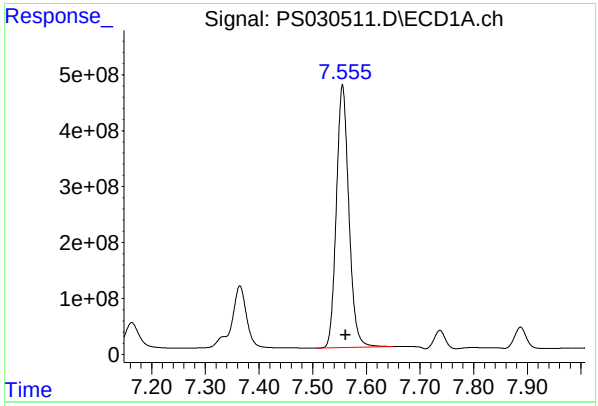
#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 min
Response: 1925674545
Conc: 510.09 ng/ml m



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.002 min
Response: 544699973
Conc: 506.41 ng/ml



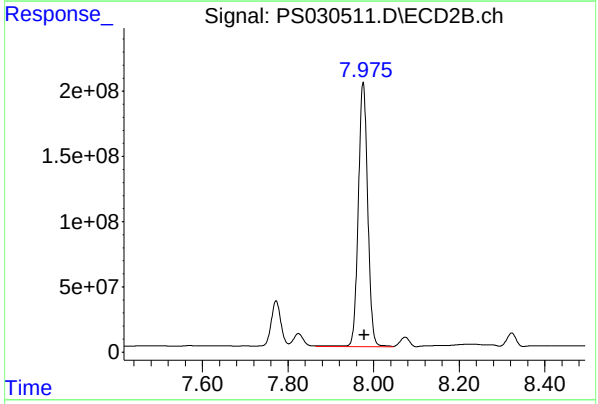
#5 DICAMBA

R.T.: 7.556 min
Delta R.T.: -0.006 mi
Response: 7599691755
Conc: 492.77 ng/m

Instrument :
ECD_S
ClientSampleId :
PB168263BS

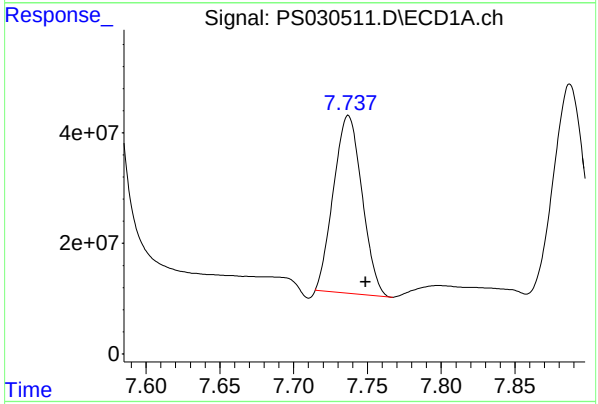
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



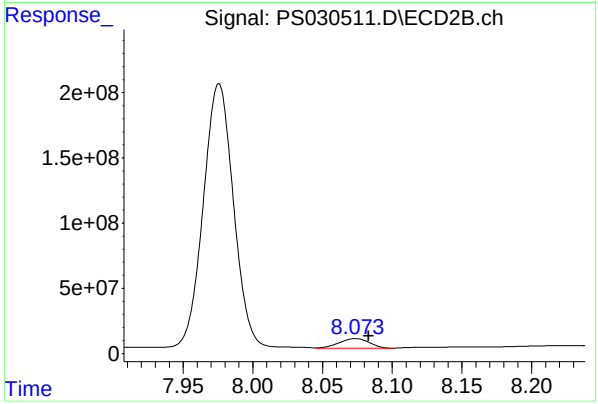
#5 DICAMBA

R.T.: 7.976 min
Delta R.T.: -0.003 min
Response: 3089934038
Conc: 479.68 ng/ml



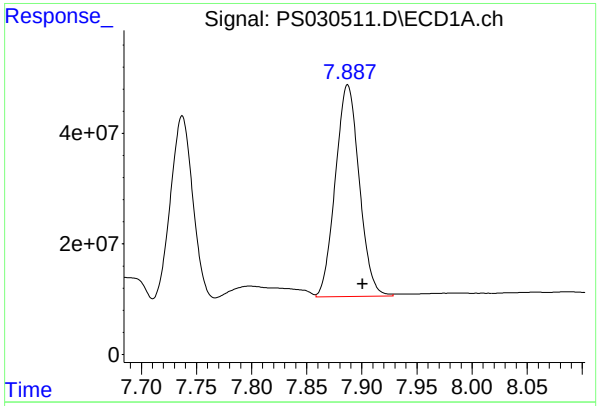
#6 MCPP

R.T.: 7.737 min
Delta R.T.: -0.012 min
Response: 433083057
Conc: 43.72 ug/ml



#6 MCPP

R.T.: 8.074 min
Delta R.T.: -0.009 min
Response: 109315328
Conc: 47.29 ug/ml



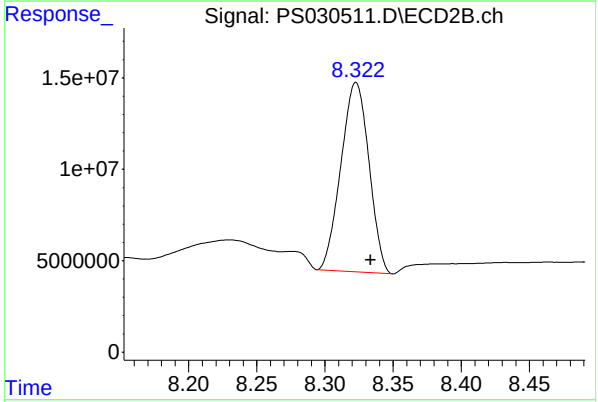
#7 MCPA

R.T.: 7.887 min
Delta R.T.: -0.013 mi
Response: 578463095
Conc: 45.59 ug/m

Instrument :
ECD_S
ClientSampleId :
PB168263BS

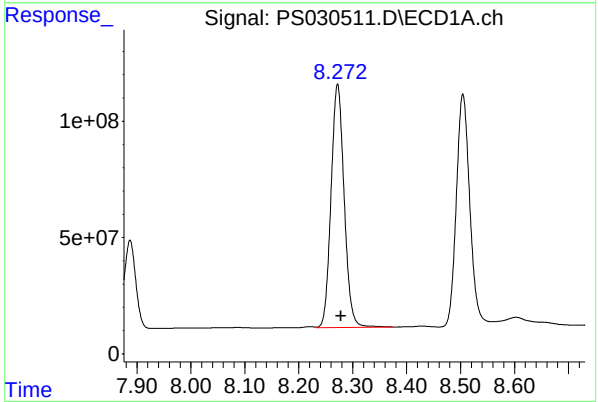
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



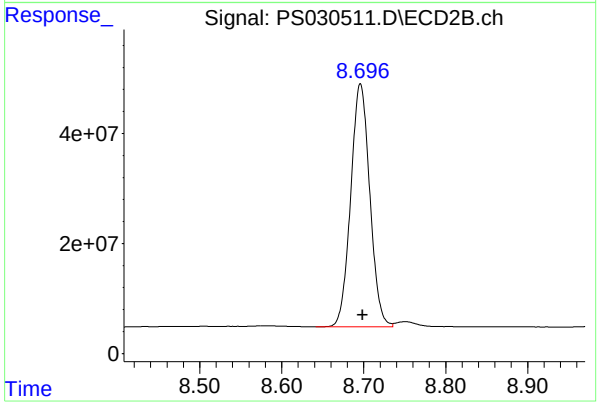
#7 MCPA

R.T.: 8.322 min
Delta R.T.: -0.011 min
Response: 148322100
Conc: 48.06 ug/ml m



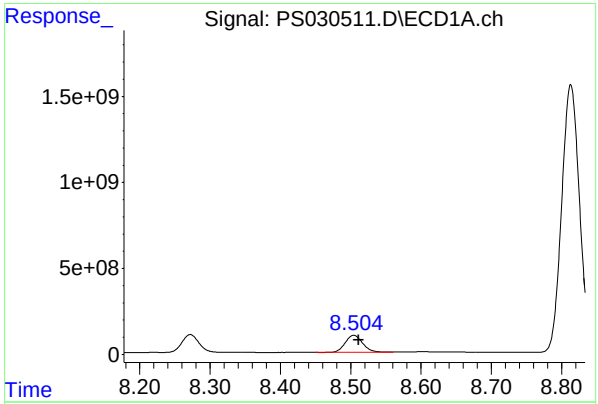
#8 DICHLORPROP

R.T.: 8.272 min
Delta R.T.: -0.006 min
Response: 1769088317
Conc: 486.26 ng/ml



#8 DICHLORPROP

R.T.: 8.696 min
Delta R.T.: -0.003 min
Response: 714957402
Conc: 481.71 ng/ml



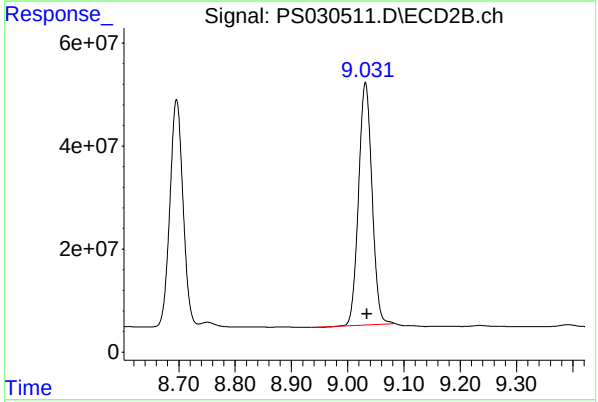
#9 2,4-D

R.T.: 8.504 min
Delta R.T.: -0.007 min
Response: 1741851972
Conc: 478.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168263BS

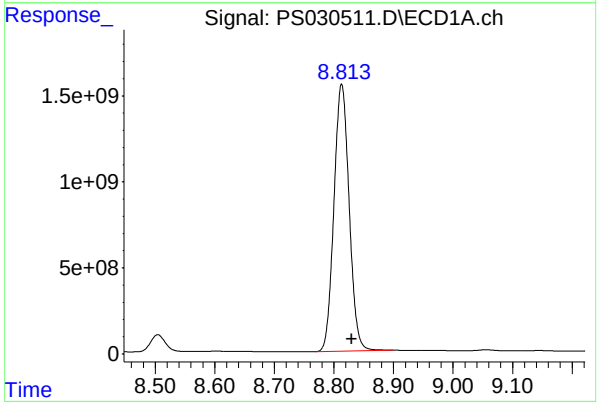
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



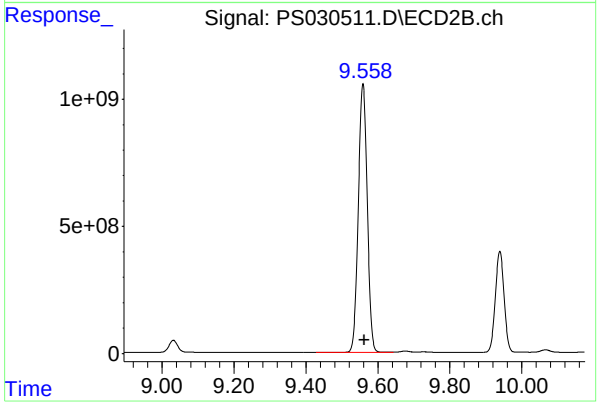
#9 2,4-D

R.T.: 9.032 min
Delta R.T.: -0.003 min
Response: 781455160
Conc: 497.01 ng/ml



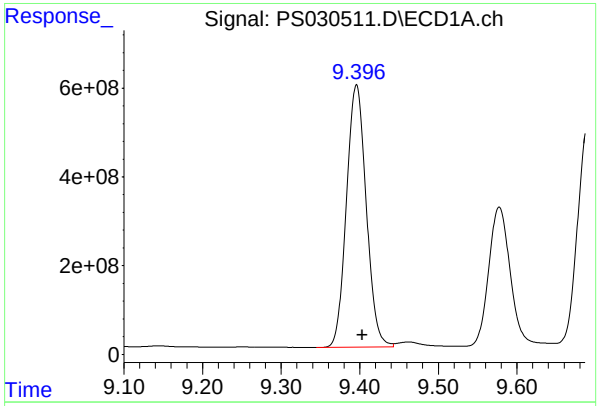
#10 Pentachlorophenol

R.T.: 8.813 min
Delta R.T.: -0.017 min
Response: 27535762961
Conc: 542.19 ng/ml



#10 Pentachlorophenol

R.T.: 9.559 min
Delta R.T.: -0.004 min
Response: 18191233386
Conc: 503.38 ng/ml



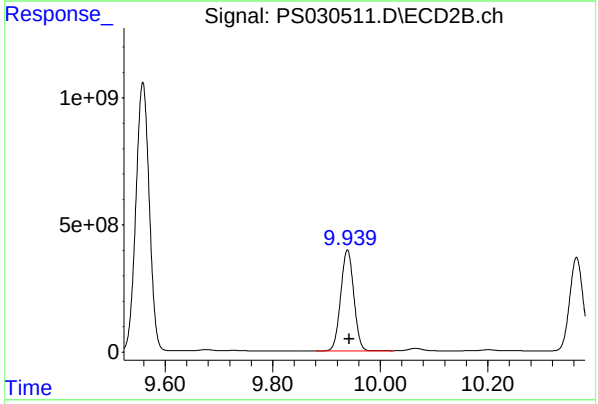
#11 2,4,5-TP (SILVEX)

R.T.: 9.396 min
Delta R.T.: -0.007 min
Response: 10338342092
Conc: 500.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168263BS

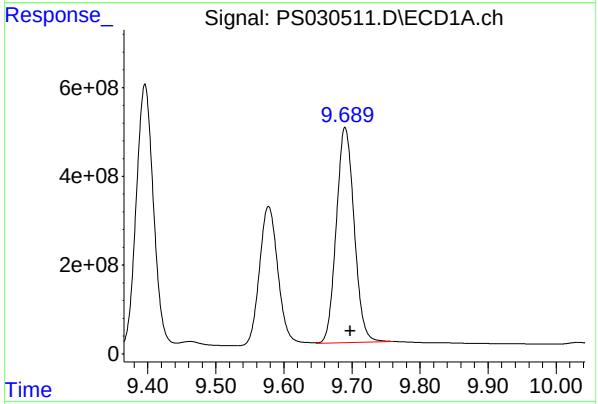
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



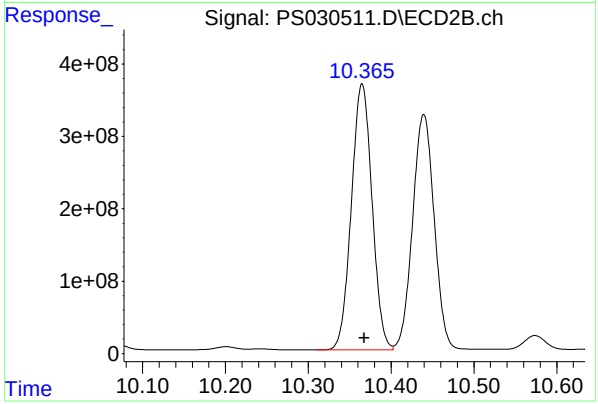
#11 2,4,5-TP (SILVEX)

R.T.: 9.939 min
Delta R.T.: -0.003 min
Response: 6691392795
Conc: 487.83 ng/ml



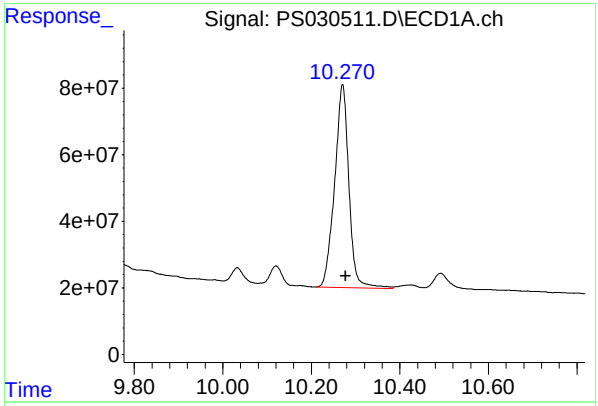
#12 2,4,5-T

R.T.: 9.690 min
Delta R.T.: -0.008 min
Response: 8844241240
Conc: 479.86 ng/ml



#12 2,4,5-T

R.T.: 10.365 min
Delta R.T.: -0.003 min
Response: 6367993084
Conc: 487.70 ng/ml



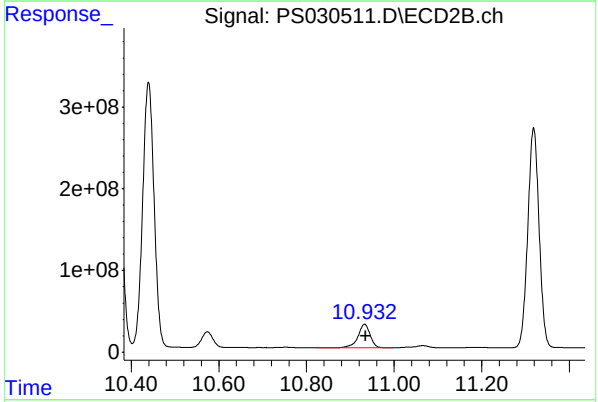
#13 2,4-DB

R.T.: 10.271 min
Delta R.T.: -0.007 min
Response: 1363297250
Conc: 448.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168263BS

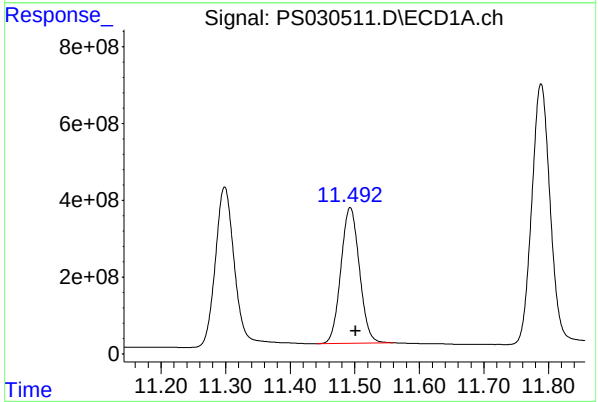
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



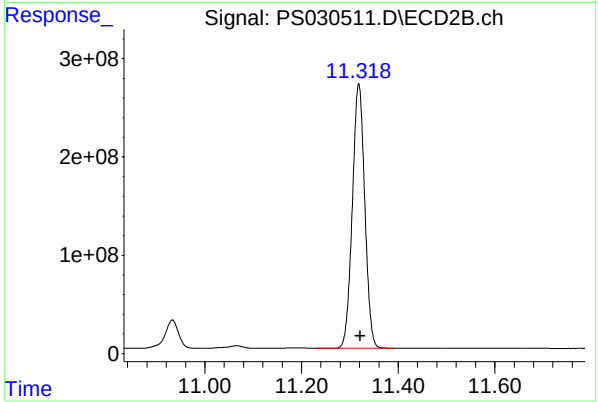
#13 2,4-DB

R.T.: 10.933 min
Delta R.T.: -0.002 min
Response: 550885507
Conc: 479.22 ng/ml



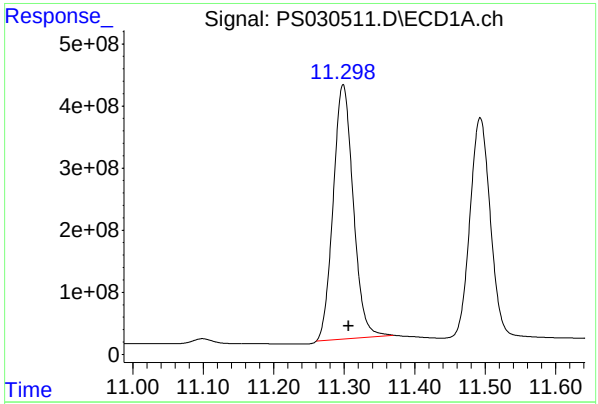
#14 DINOSEB

R.T.: 11.493 min
Delta R.T.: -0.008 min
Response: 7061938490
Conc: 491.27 ng/ml



#14 DINOSEB

R.T.: 11.318 min
Delta R.T.: -0.003 min
Response: 4795824575
Conc: 477.19 ng/ml



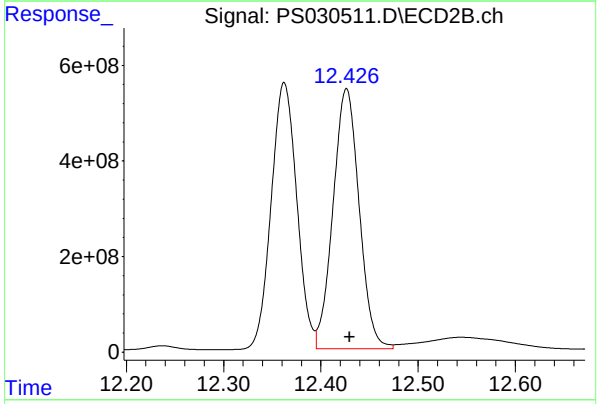
#15 Picloram

R.T.: 11.298 min
Delta R.T.: -0.008 min
Response: 8118515276
Conc: 405.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168263BS

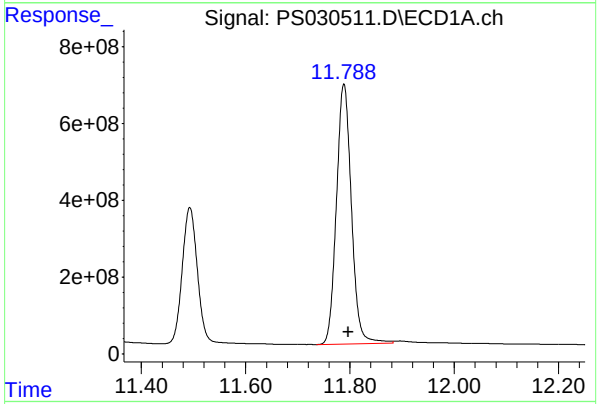
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



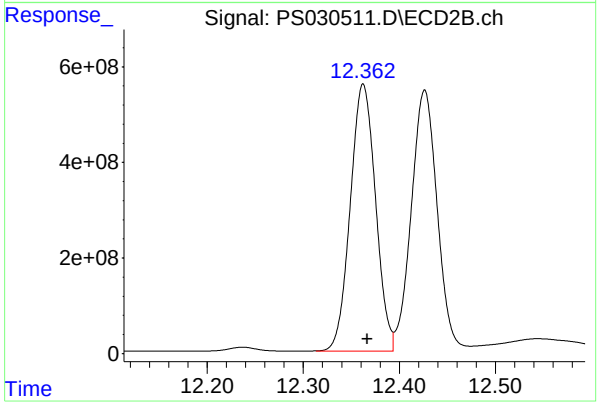
#15 Picloram

R.T.: 12.426 min
Delta R.T.: -0.004 min
Response: 10135482820
Conc: 458.95 ng/ml m



#16 DCPA

R.T.: 11.789 min
Delta R.T.: -0.008 min
Response: 13528113342
Conc: 511.65 ng/ml



#16 DCPA

R.T.: 12.362 min
Delta R.T.: -0.005 min
Response: 10229005599
Conc: 499.88 ng/ml m

Raw Data: **PS030498.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	OR-400-CF-402B-COMP-23MS	SDG No.:	Q2177
Lab Sample ID:	Q2173-06MS	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
PS030498.D	1	06/03/25 11:15	06/04/25 20:51	PB168263

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	50.6		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	49.0		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	635		70 (61) - 130 (136)	127%	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

Sample Results: **PS030498.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 20:51
Operator : AR\AJ
Sample : Q2173-06MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.363	7.772	2396.9E6	482.8E6	634.903	448.861 #
	Target Compounds						
1) T	Dalapon	2.709	2.707	594.4E6	3441.0E6	105.266m	1255.837 #
2) T	3,5-DICHL...	6.520	6.715	2496.2E6	650.4E6	460.009m	415.806m
3) T	4-Nitroph...	7.179	7.323	71028163	180.0E6	38.734	114.873 #
5) T	DICAMBA	7.556	7.975	6210.4E6	2594.4E6	402.680	402.756m
6) T	MCPP	7.738	8.074	344.3E6	77250197	34.759	33.419
7) T	MCPA	7.887	8.322	506.1E6	134.2E6	39.884m	43.498m
8) T	DICHLORPROP	8.272	8.696	1681.2E6	628.4E6	462.112	423.369
9) T	2,4-D	8.506	9.031	1841.9E6	703.3E6	505.514	447.283
10) T	Pentachlo...	8.814	9.558	24488.5E6	15745.5E6	482.188	435.705
11) T	2,4,5-TP ...	9.397	9.939	10124.5E6	6295.3E6	489.930	458.949
12) T	2,4,5-T	9.692	10.365	8200.8E6	5776.6E6	444.945	442.407
13) T	2,4-DB	10.273	10.932	1378.9E6	485.0E6	454.131	421.890
14) T	DINOSEB	11.495	11.319	5139.6E6	3354.6E6	357.538	333.791
15) T	Picloram	11.300	12.426	7693.0E6	8293.3E6	384.557	375.537
16) T	DCPA	11.789	12.362	10394.0E6	8718.7E6	393.114	426.072m

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

Sample Results: **PS030498.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 20:51
Operator : AR\AJ
Sample : Q2173-06MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

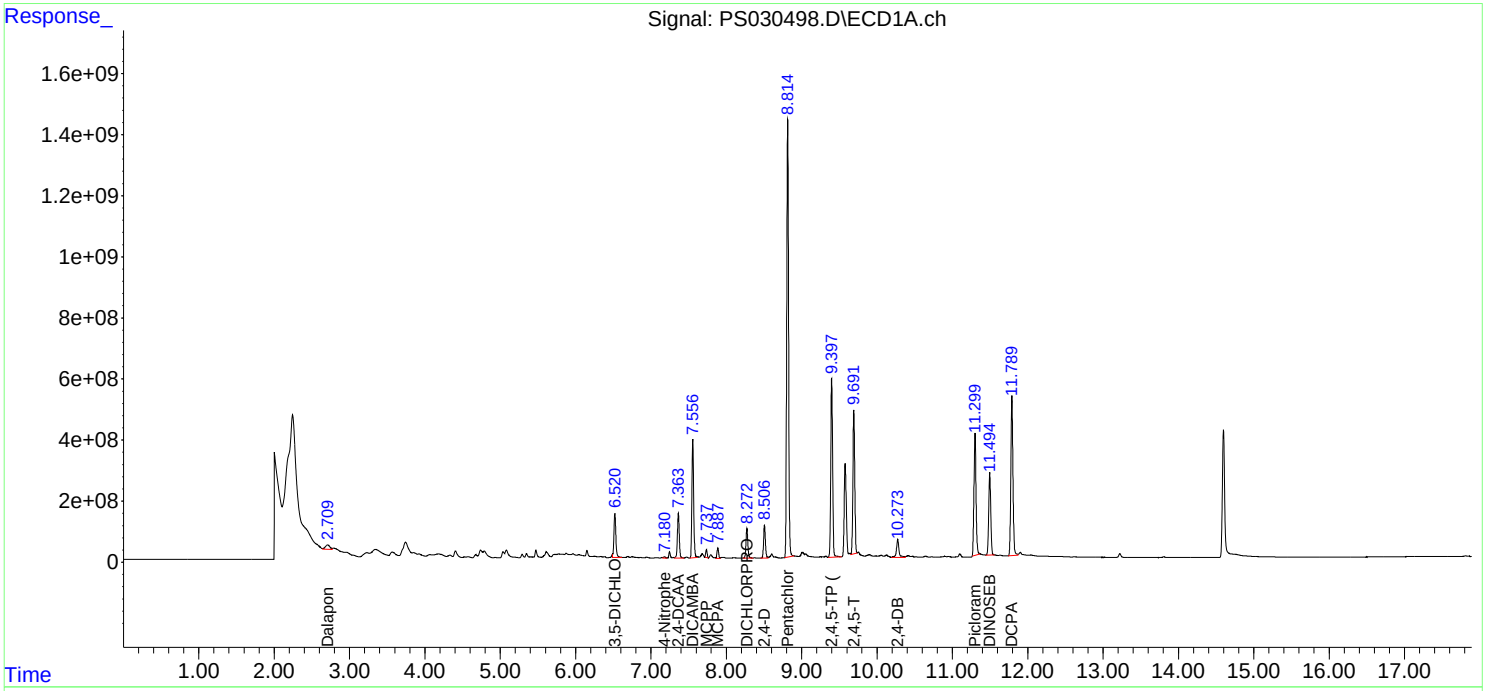
Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

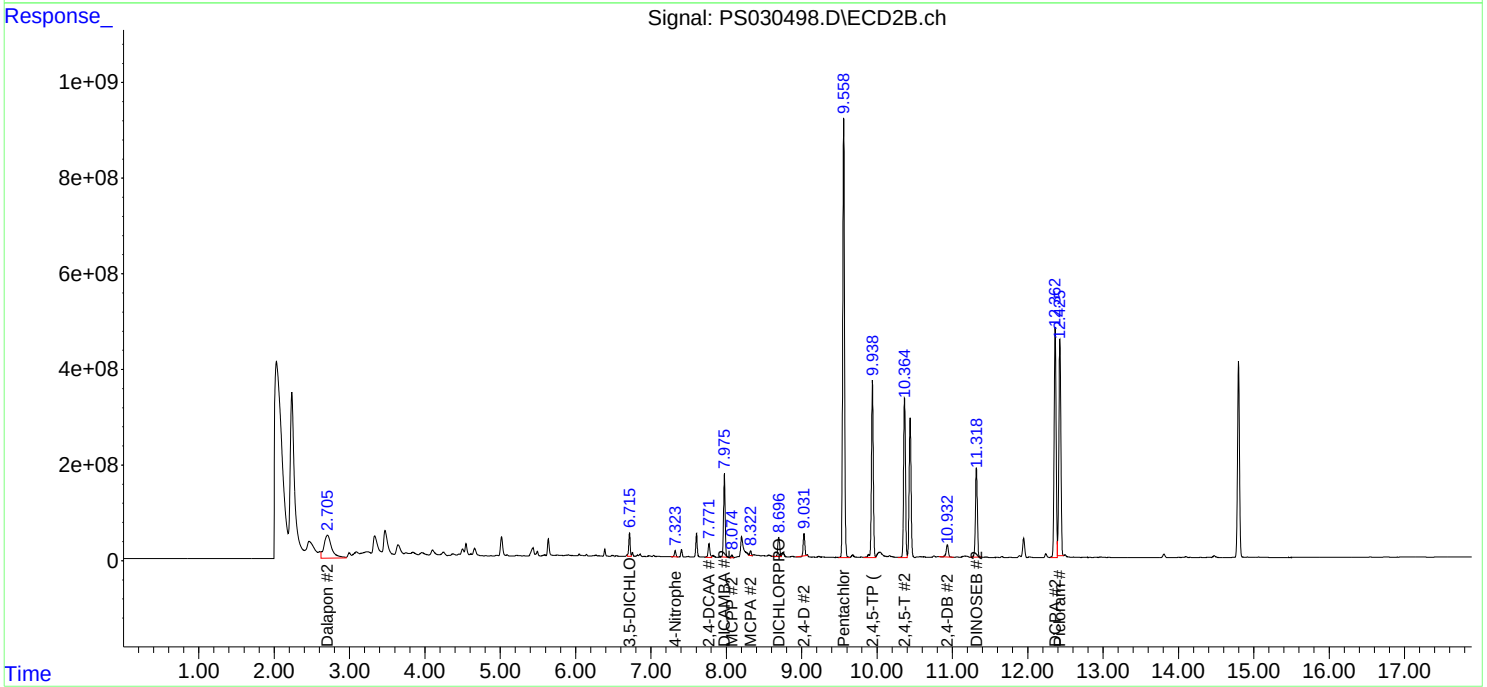
Manual Integrations APPROVED

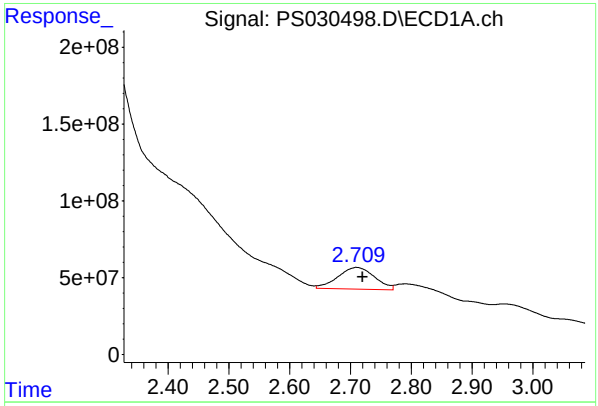
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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







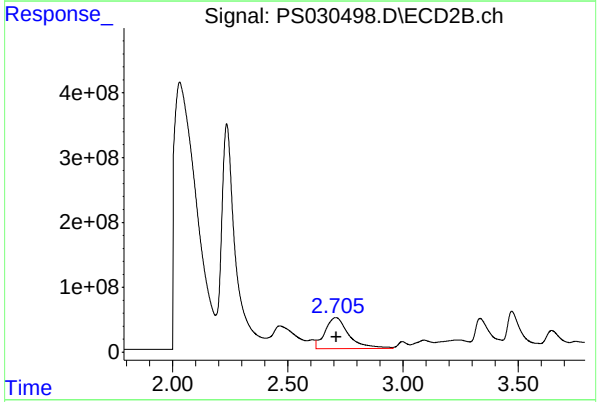
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: -0.011 mi
Response: 594432998
Conc: 105.27 ng/m

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

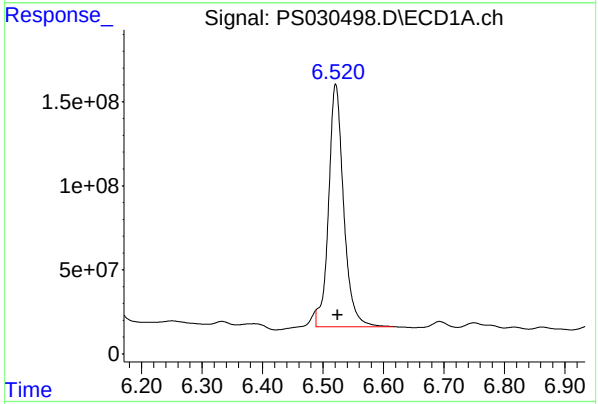
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



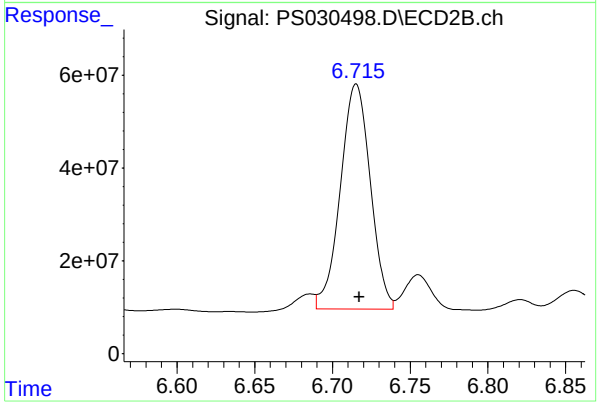
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: -0.003 min
Response: 3441011288
Conc: 1255.84 ng/ml



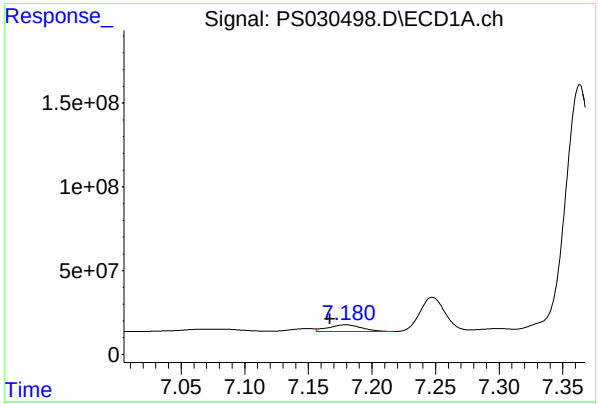
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.520 min
Delta R.T.: -0.004 min
Response: 2496169195
Conc: 460.01 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: -0.002 min
Response: 650424235
Conc: 415.81 ng/ml m



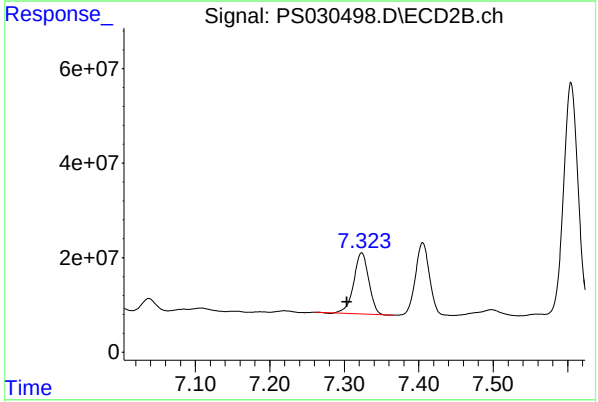
#3 4-Nitrophenol

R.T.: 7.179 min
Delta R.T.: 0.013 min
Response: 71028163
Conc: 38.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

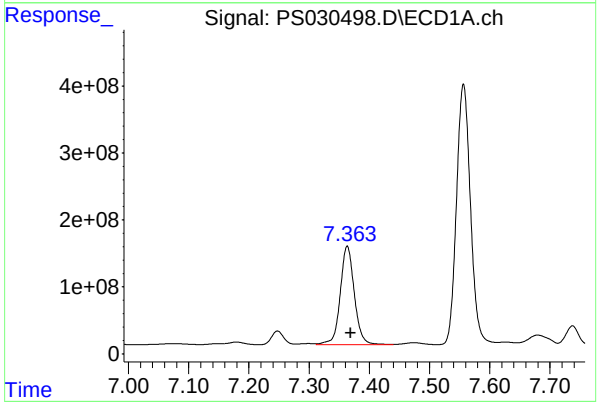
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



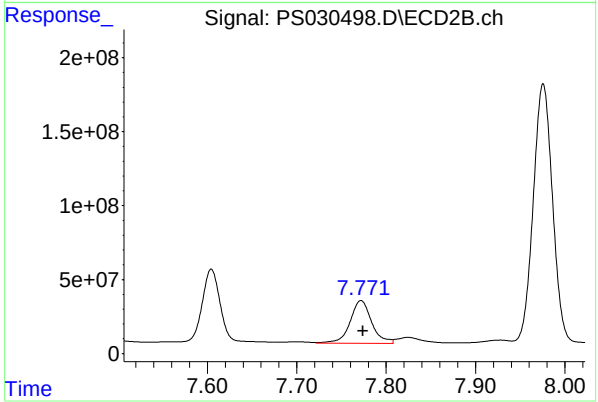
#3 4-Nitrophenol

R.T.: 7.323 min
Delta R.T.: 0.019 min
Response: 180034280
Conc: 114.87 ng/ml



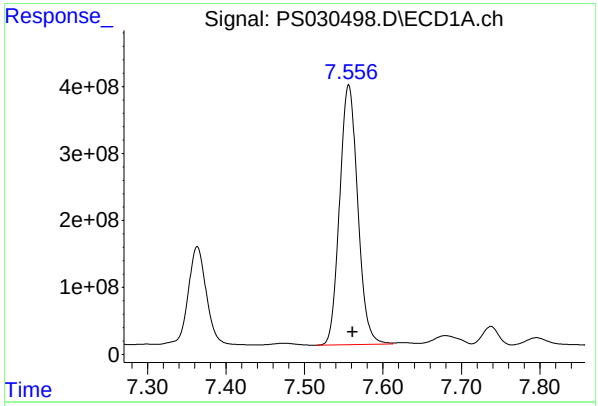
#4 2,4-DCAA

R.T.: 7.363 min
Delta R.T.: -0.006 min
Response: 2396850036
Conc: 634.90 ng/ml



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.002 min
Response: 482799328
Conc: 448.86 ng/ml



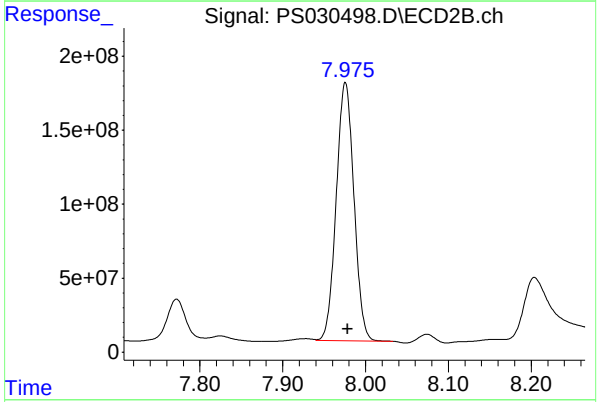
#5 DICAMBA

R.T.: 7.556 min
Delta R.T.: -0.005 mi
Response: 6210350479
Conc: 402.68 ng/m

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

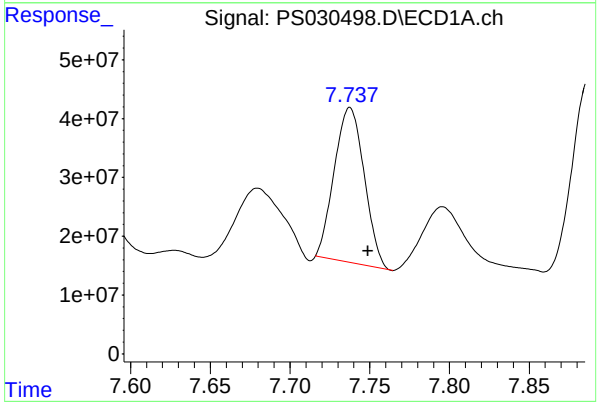
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



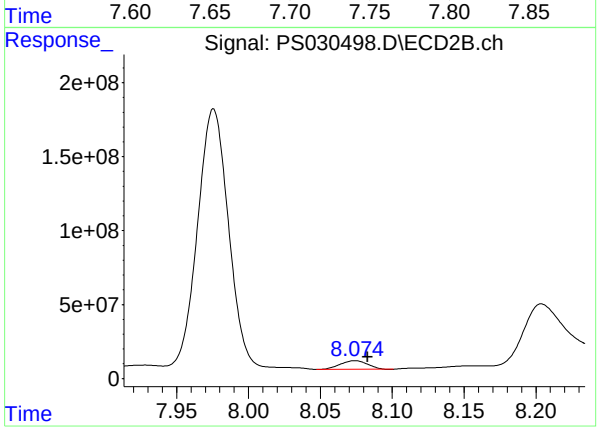
#5 DICAMBA

R.T.: 7.975 min
Delta R.T.: -0.003 min
Response: 2594412447
Conc: 402.76 ng/ml m



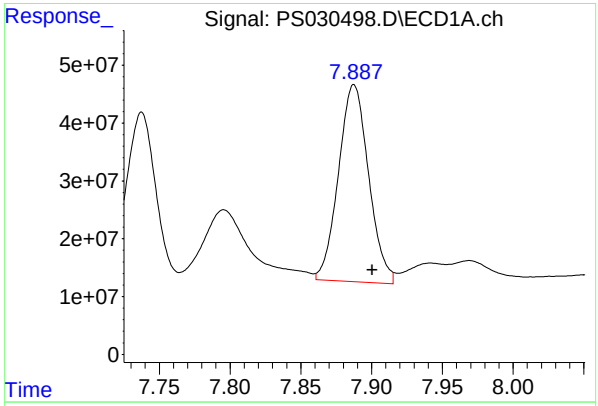
#6 MCPP

R.T.: 7.738 min
Delta R.T.: -0.011 min
Response: 344282711
Conc: 34.76 ug/ml



#6 MCPP

R.T.: 8.074 min
Delta R.T.: -0.009 min
Response: 77250197
Conc: 33.42 ug/ml



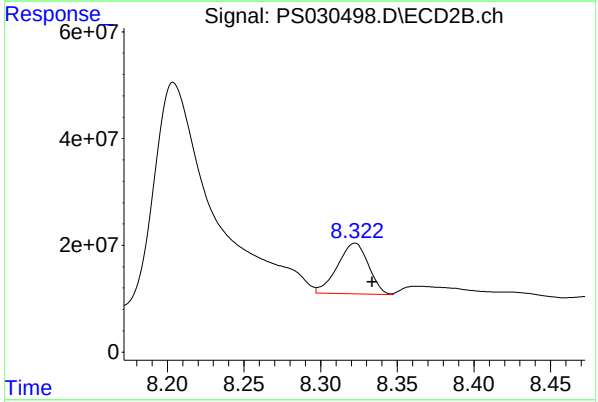
#7 MCPA

R.T.: 7.887 min
Delta R.T.: -0.014 mi
Response: 506100654
Conc: 39.88 ug/m

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

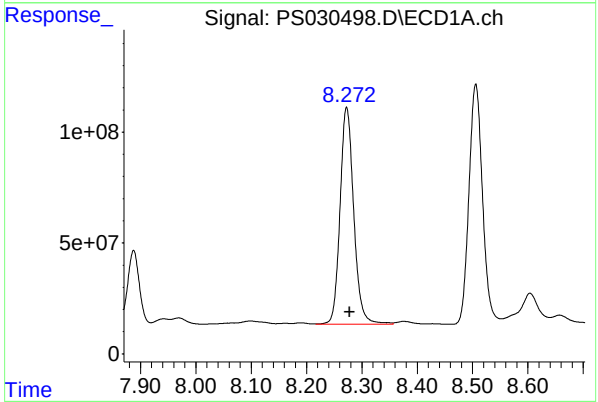
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



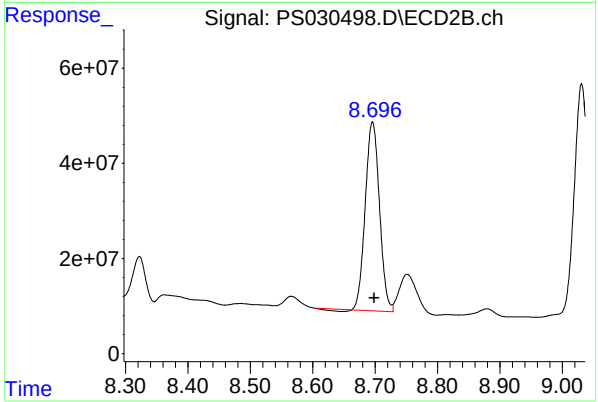
#7 MCPA

R.T.: 8.322 min
Delta R.T.: -0.012 min
Response: 134232171
Conc: 43.50 ug/ml m



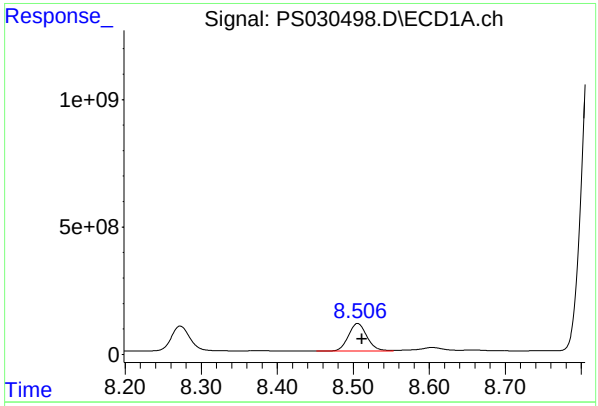
#8 DICHLORPROP

R.T.: 8.272 min
Delta R.T.: -0.006 min
Response: 1681229629
Conc: 462.11 ng/ml



#8 DICHLORPROP

R.T.: 8.696 min
Delta R.T.: -0.003 min
Response: 628366039
Conc: 423.37 ng/ml



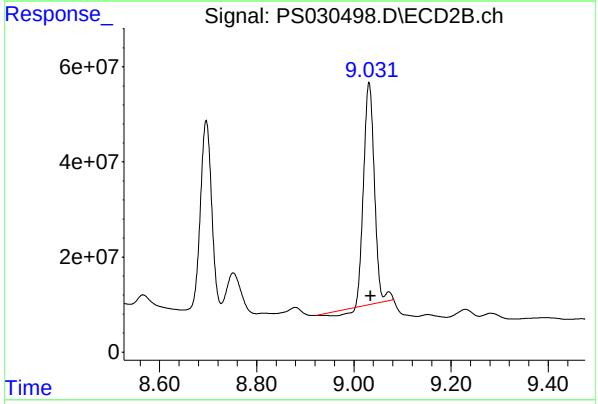
#9 2,4-D

R.T.: 8.506 min
Delta R.T.: -0.005 min
Response: 1841897094
Conc: 505.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

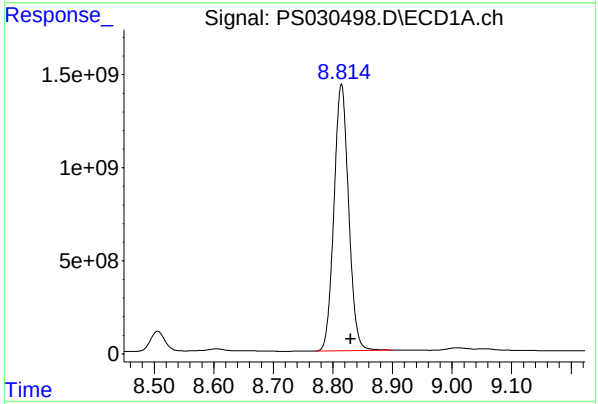
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



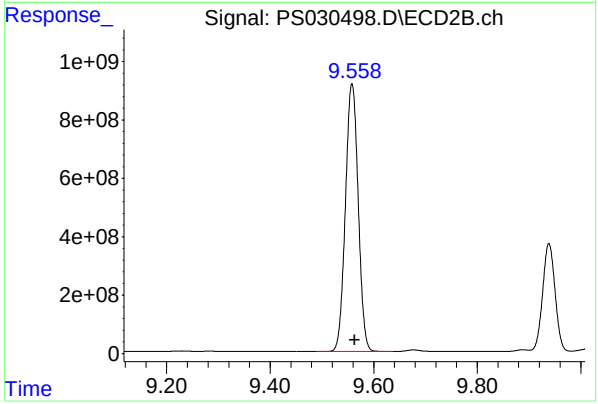
#9 2,4-D

R.T.: 9.031 min
Delta R.T.: -0.003 min
Response: 703272611
Conc: 447.28 ng/ml



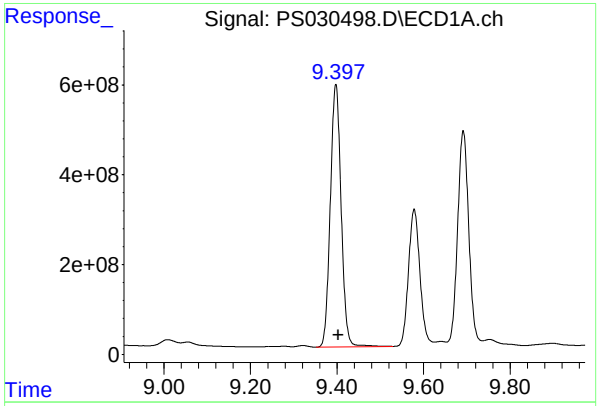
#10 Pentachlorophenol

R.T.: 8.814 min
Delta R.T.: -0.015 min
Response: 24488462900
Conc: 482.19 ng/ml



#10 Pentachlorophenol

R.T.: 9.558 min
Delta R.T.: -0.005 min
Response: 15745504203
Conc: 435.70 ng/ml



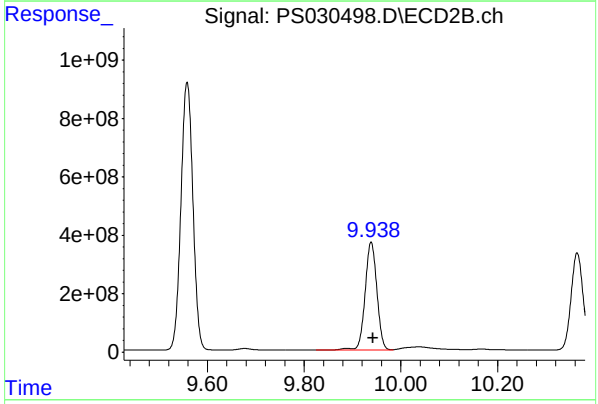
#11 2,4,5-TP (SILVEX)

R.T.: 9.397 min
Delta R.T.: -0.006 min
Response: 10124452710
Conc: 489.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

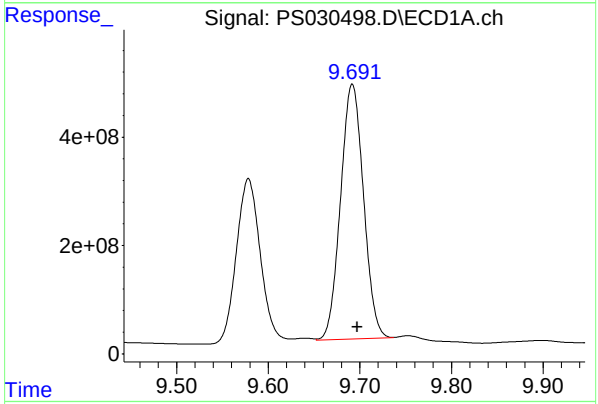
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



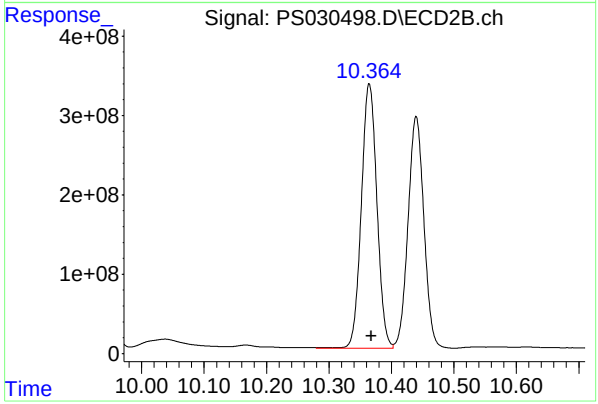
#11 2,4,5-TP (SILVEX)

R.T.: 9.939 min
Delta R.T.: -0.004 min
Response: 6295287768
Conc: 458.95 ng/ml



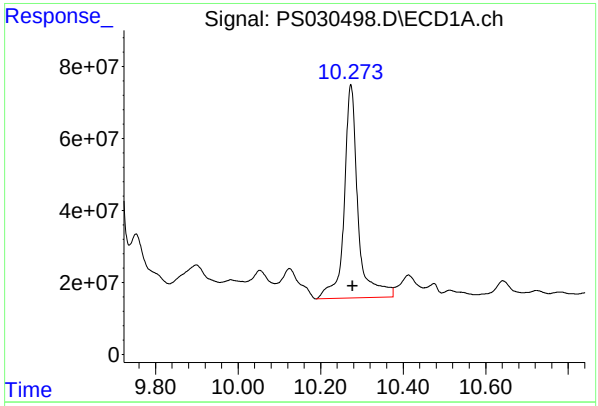
#12 2,4,5-T

R.T.: 9.692 min
Delta R.T.: -0.006 min
Response: 8200811858
Conc: 444.95 ng/ml



#12 2,4,5-T

R.T.: 10.365 min
Delta R.T.: -0.003 min
Response: 5776566452
Conc: 442.41 ng/ml



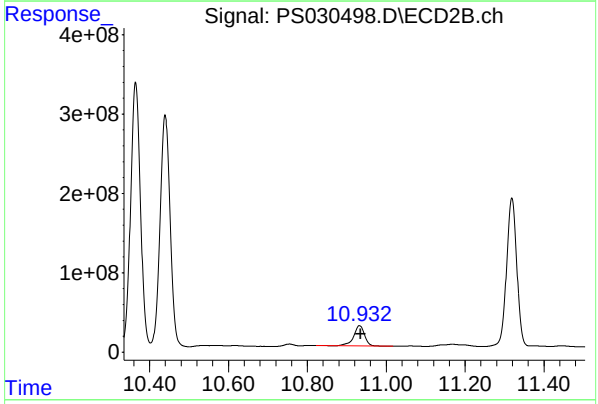
#13 2,4-DB

R.T.: 10.273 min
Delta R.T.: -0.004 min
Response: 1378906806
Conc: 454.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

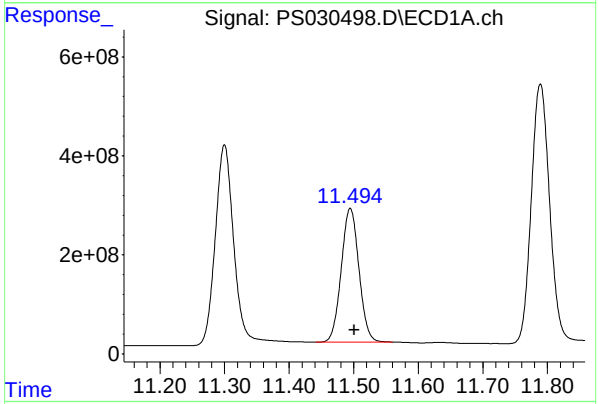
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



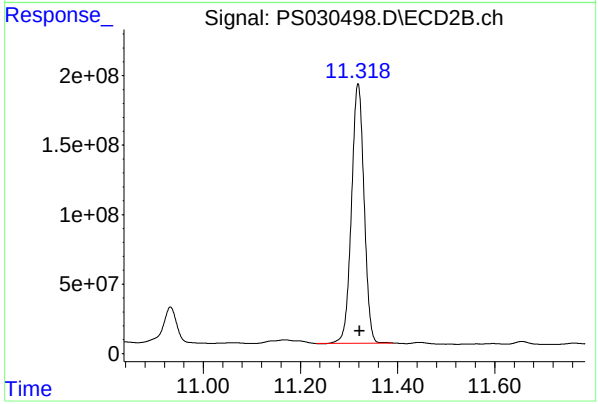
#13 2,4-DB

R.T.: 10.932 min
Delta R.T.: -0.003 min
Response: 484984235
Conc: 421.89 ng/ml



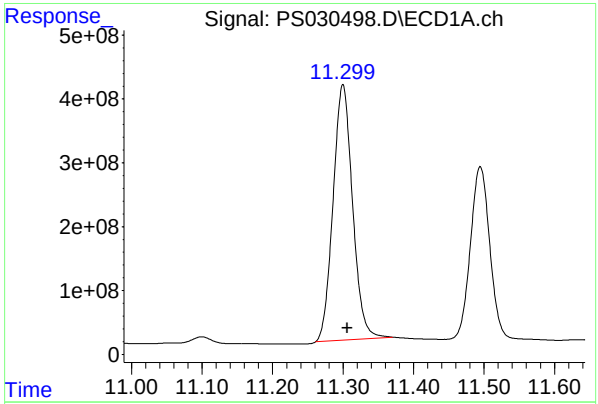
#14 DINOSEB

R.T.: 11.495 min
Delta R.T.: -0.007 min
Response: 5139580032
Conc: 357.54 ng/ml



#14 DINOSEB

R.T.: 11.319 min
Delta R.T.: -0.003 min
Response: 3354633662
Conc: 333.79 ng/ml



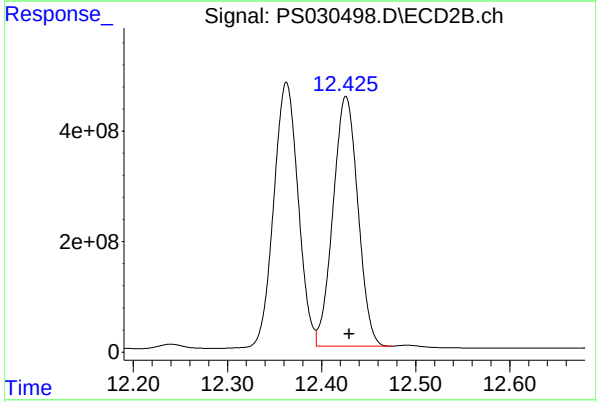
#15 Picloram

R.T.: 11.300 min
Delta R.T.: -0.006 mi
Response: 7692993416
Conc: 384.56 ng/m

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MS

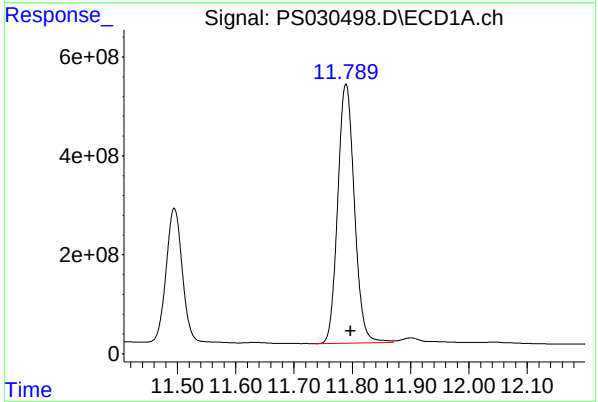
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



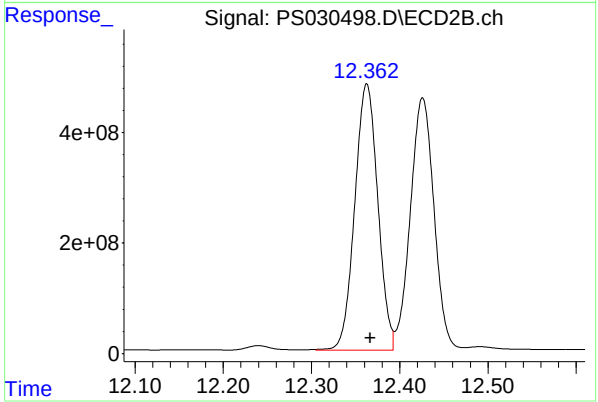
#15 Picloram

R.T.: 12.426 min
Delta R.T.: -0.004 min
Response: 8293316119
Conc: 375.54 ng/ml



#16 DCPA

R.T.: 11.789 min
Delta R.T.: -0.008 min
Response: 10393966504
Conc: 393.11 ng/ml



#16 DCPA

R.T.: 12.362 min
Delta R.T.: -0.004 min
Response: 8718672681
Conc: 426.07 ng/ml m

Raw Data: **PS030499.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	OR-400-CF-402B-COMP-23MSD	SDG No.:	Q2177
Lab Sample ID:	Q2173-06MSD	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
PS030499.D	1	06/03/25 11:15	06/04/25 21:15	PB168263

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	49.8		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	48.6		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	616		70 (61) - 130 (136)	123%	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

Quantitation Report (QT Reviewed)

Sample Results: **PS030499.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 21:15
Operator : AR\AJ
Sample : Q2173-06MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.363	7.772	2327.1E6	477.8E6	616.424	444.210 #
		Target Compounds						
1)	T	Dalapon	2.708	2.708	502.7E6	3275.6E6	89.023m	1195.463 #
2)	T	3,5-DICHL...	6.521	6.715	2587.6E6	674.1E6	476.856	430.932m
3)	T	4-Nitroph...	7.180	7.324	62653981	177.2E6	34.167	113.042 #
5)	T	DICAMBA	7.556	7.975	6141.6E6	2587.1E6	398.223	401.626m
6)	T	MCPP	7.738	8.074	344.4E6	76944842	34.775	33.287
7)	T	MCPA	7.887	8.322	465.8E6	139.3E6	36.706m	45.138m
8)	T	DICHLORPROP	8.272	8.696	1664.7E6	580.7E6	457.556	391.230
9)	T	2,4-D	8.505	9.032	1813.0E6	667.4E6	497.578	424.452
10)	T	Pentachlo...	8.815	9.558	24170.3E6	15619.0E6	475.923	432.203
11)	T	2,4,5-TP ...	9.396	9.939	10032.9E6	6396.1E6	485.499	466.299
12)	T	2,4,5-T	9.691	10.365	8042.8E6	5746.4E6	436.370	440.093
13)	T	2,4-DB	10.273	10.932	1348.1E6	476.2E6	443.996	414.266
14)	T	DINOSEB	11.495	11.318	5119.5E6	3367.3E6	356.144	335.047
15)	T	Picloram	11.300	12.426	7424.9E6	8084.0E6	371.155	366.059
16)	T	DCPA	11.789	12.362	10331.9E6	8632.3E6	390.768	421.850m

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

Sample Results: **PS030499.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 21:15
Operator : AR\AJ
Sample : Q2173-06MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

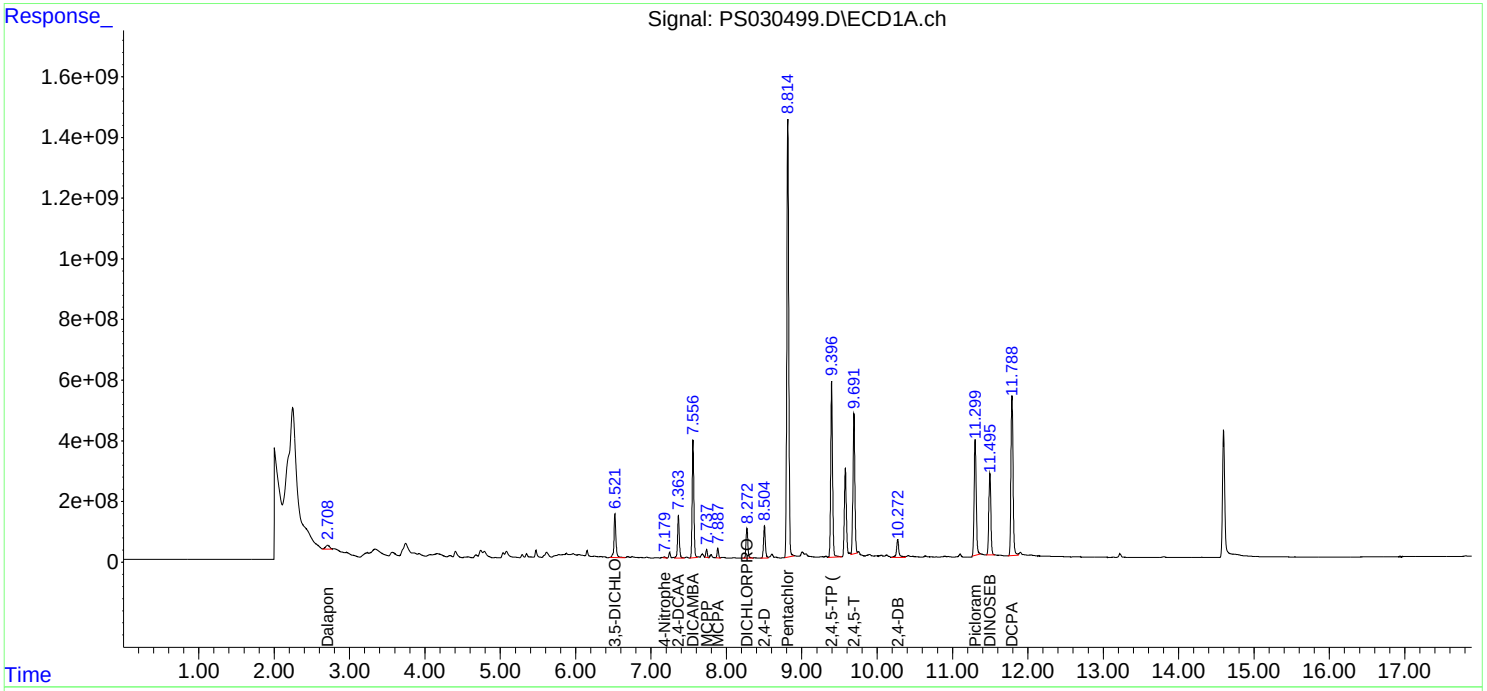
Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

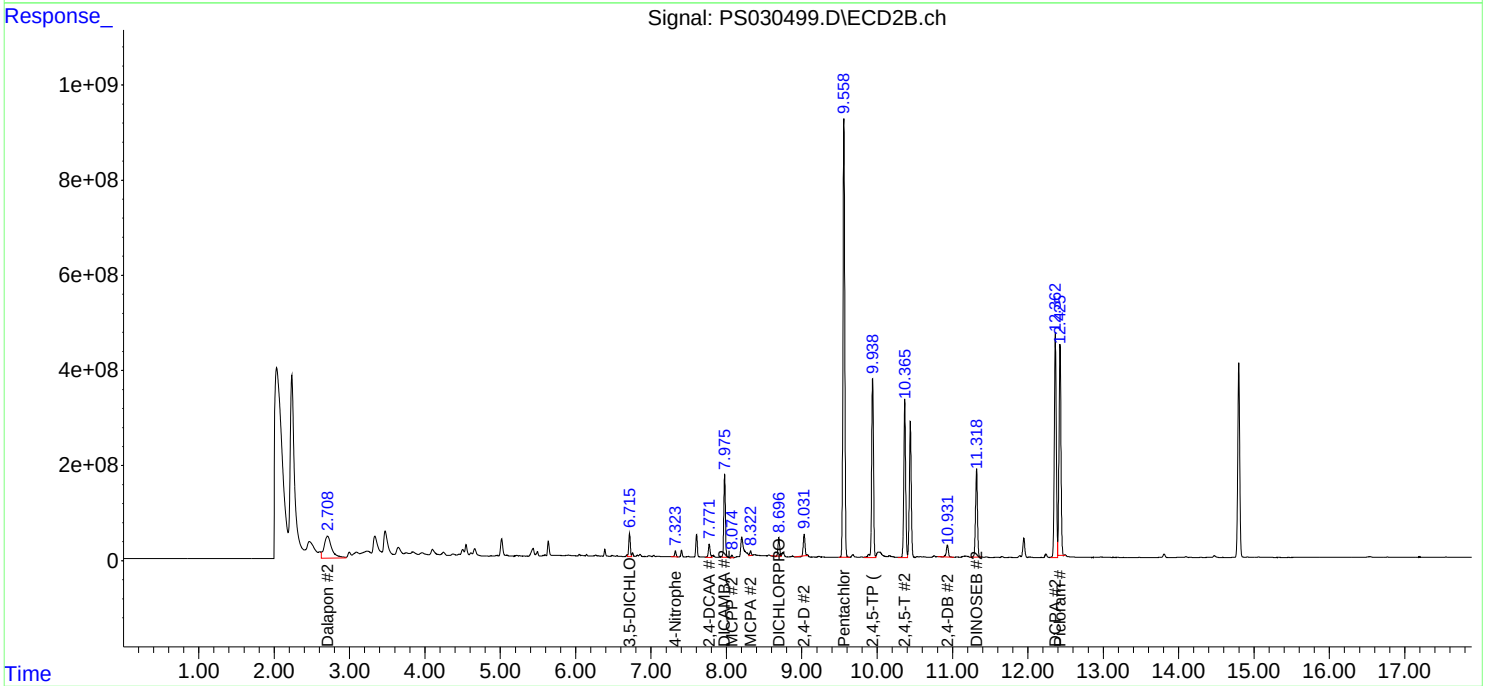
Manual Integrations APPROVED

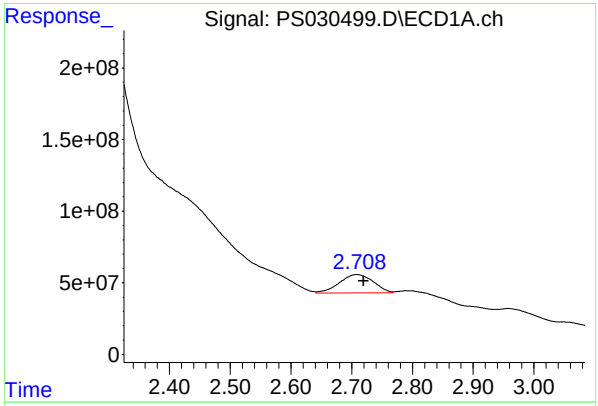
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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







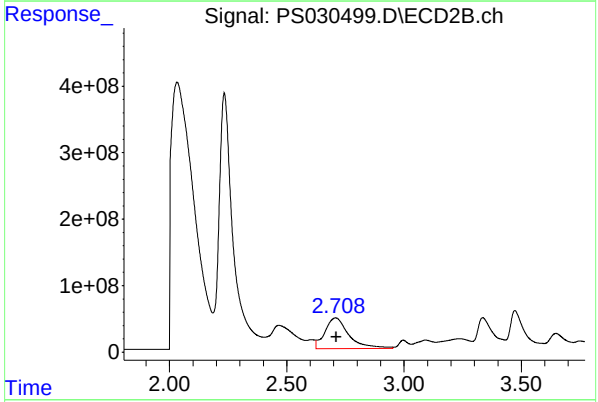
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: -0.012 min
Response: 502711306
Conc: 89.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

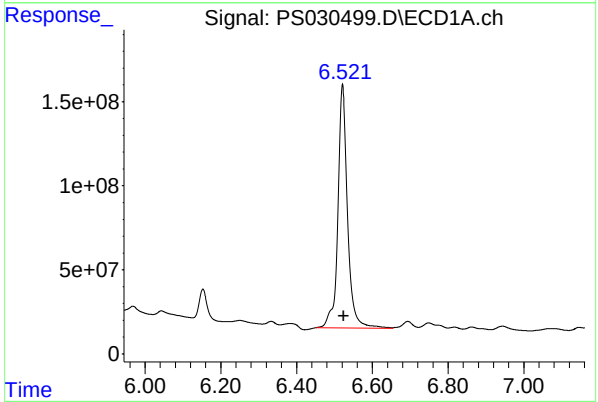
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



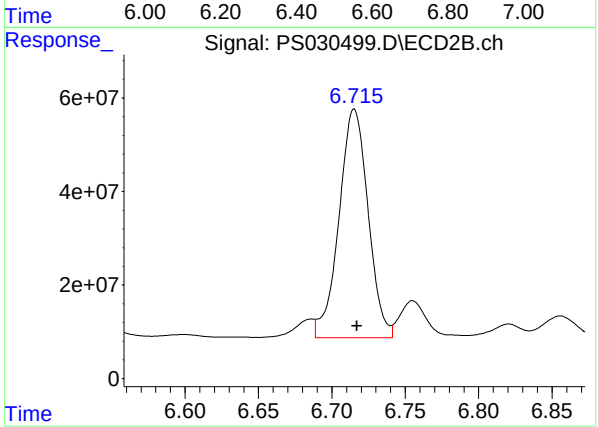
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: -0.002 min
Response: 3275585711
Conc: 1195.46 ng/ml



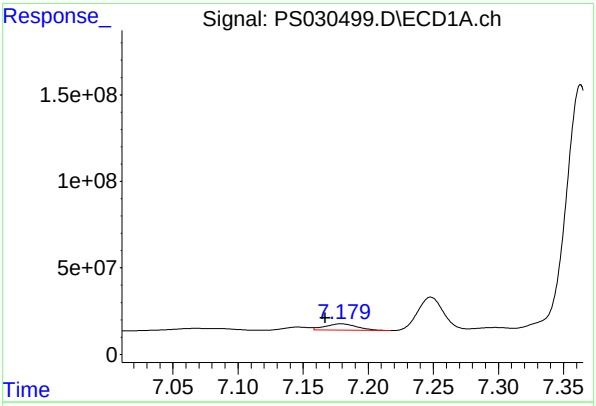
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.521 min
Delta R.T.: -0.003 min
Response: 2587586836
Conc: 476.86 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: -0.002 min
Response: 674084759
Conc: 430.93 ng/ml m



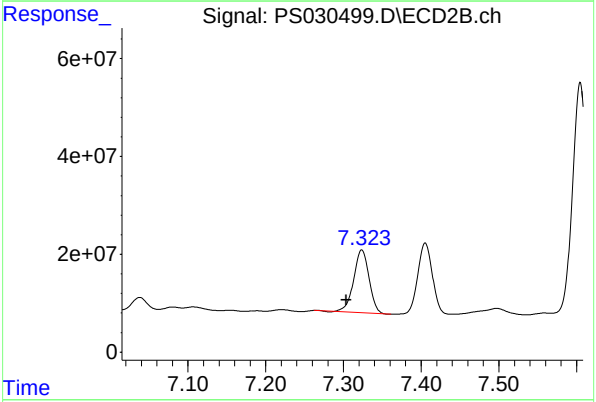
#3 4-Nitrophenol

R.T.: 7.180 min
Delta R.T.: 0.013 min
Response: 62653981
Conc: 34.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

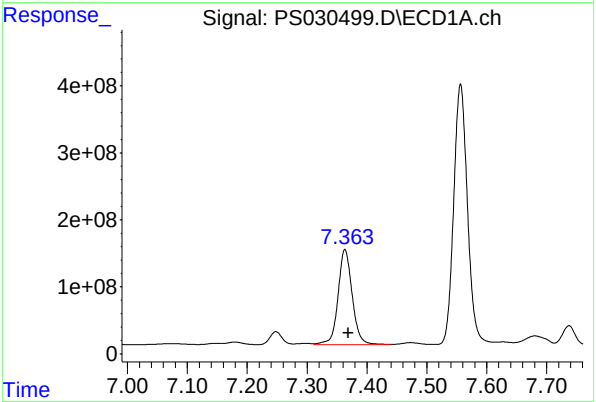
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



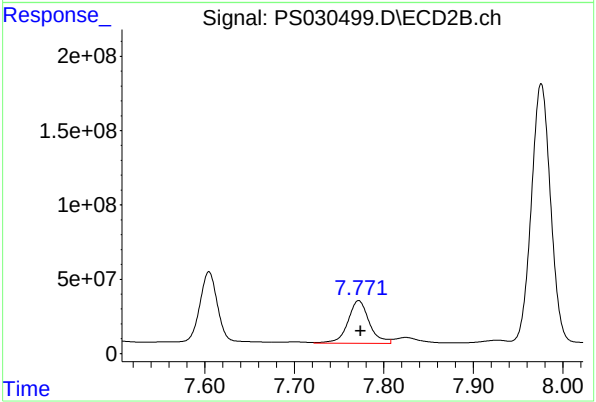
#3 4-Nitrophenol

R.T.: 7.324 min
Delta R.T.: 0.020 min
Response: 177163542
Conc: 113.04 ng/ml



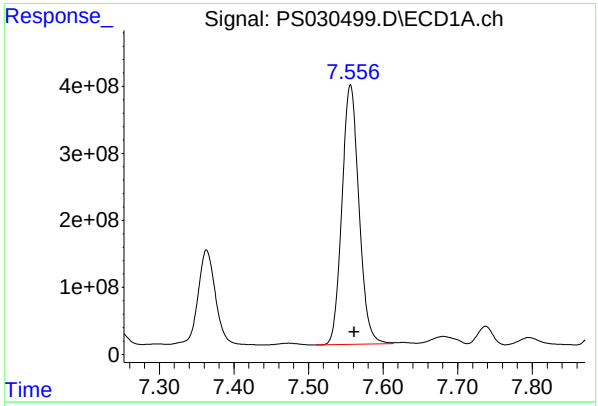
#4 2,4-DCAA

R.T.: 7.363 min
Delta R.T.: -0.006 min
Response: 2327091517
Conc: 616.42 ng/ml



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.002 min
Response: 477797039
Conc: 444.21 ng/ml



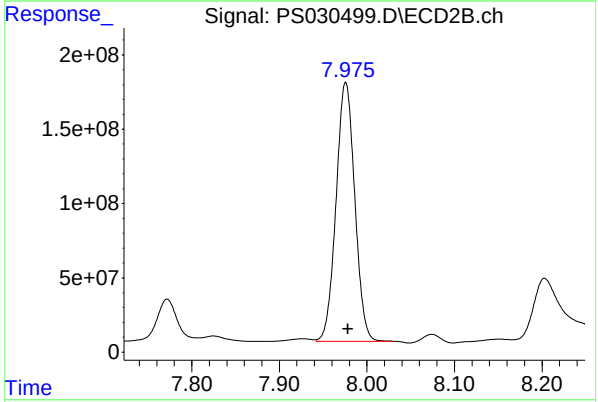
#5 DICAMBA

R.T.: 7.556 min
Delta R.T.: -0.005 mi
Response: 6141607108
Conc: 398.22 ng/m

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

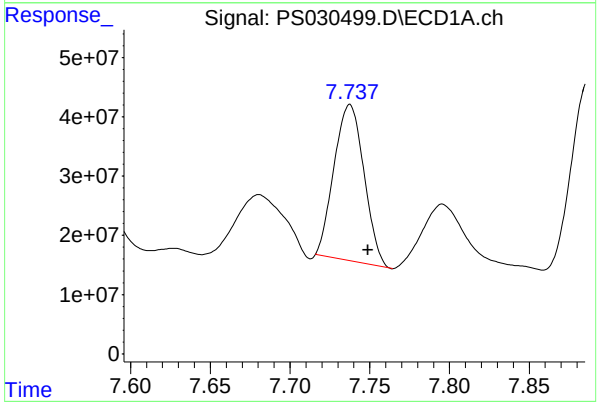
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



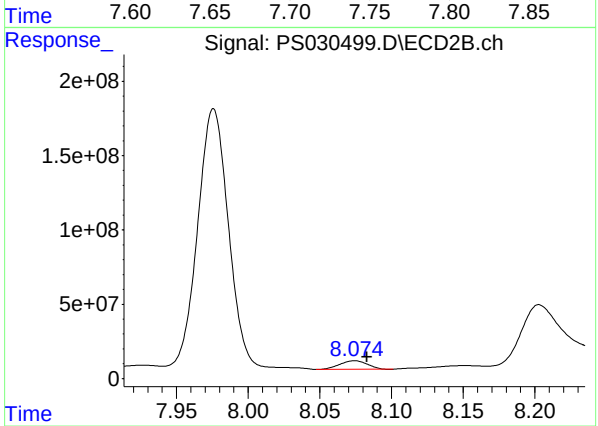
#5 DICAMBA

R.T.: 7.975 min
Delta R.T.: -0.003 min
Response: 2587131856
Conc: 401.63 ng/ml m



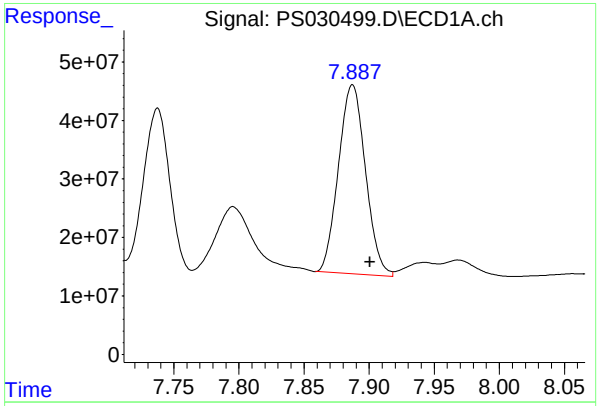
#6 MCPP

R.T.: 7.738 min
Delta R.T.: -0.011 min
Response: 344446549
Conc: 34.78 ug/ml



#6 MCPP

R.T.: 8.074 min
Delta R.T.: -0.009 min
Response: 76944842
Conc: 33.29 ug/ml



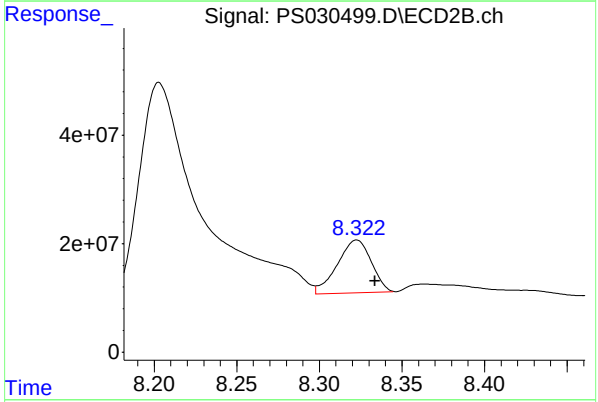
#7 MCPA

R.T.: 7.887 min
Delta R.T.: -0.014 mi
Response: 465782156
Conc: 36.71 ug/m

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

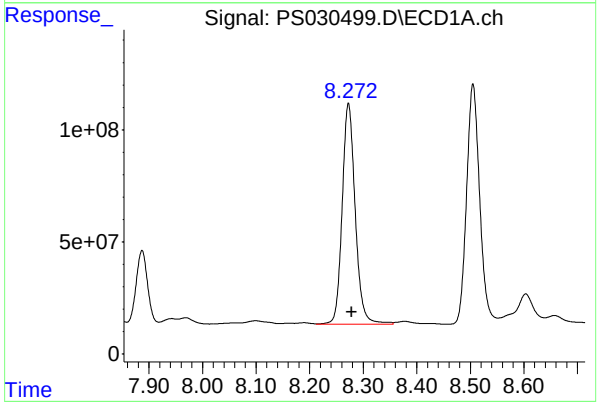
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



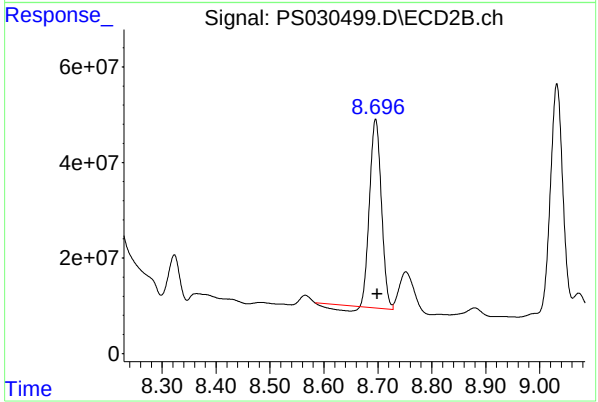
#7 MCPA

R.T.: 8.322 min
Delta R.T.: -0.011 min
Response: 139291412
Conc: 45.14 ug/ml m



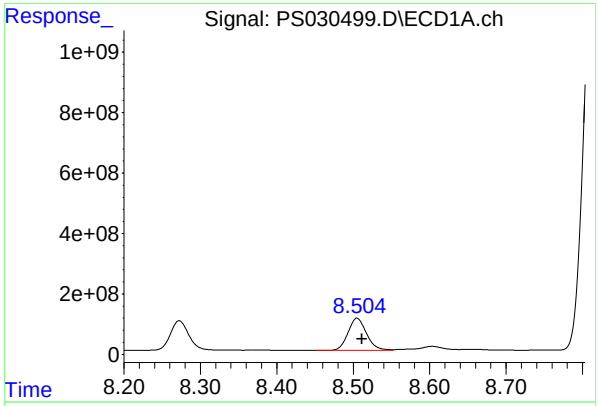
#8 DICHLORPROP

R.T.: 8.272 min
Delta R.T.: -0.006 min
Response: 1664654006
Conc: 457.56 ng/ml



#8 DICHLORPROP

R.T.: 8.696 min
Delta R.T.: -0.003 min
Response: 580665133
Conc: 391.23 ng/ml



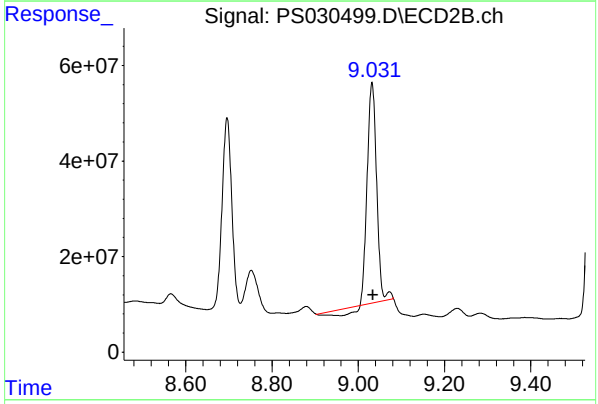
#9 2,4-D

R.T.: 8.505 min
Delta R.T.: -0.006 mi
Response: 1812982333
Conc: 497.58 ng/m

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

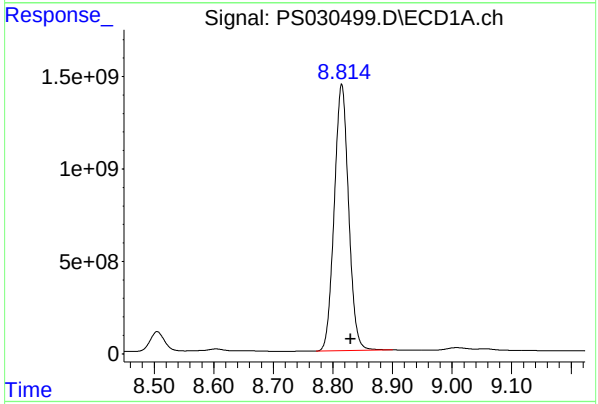
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



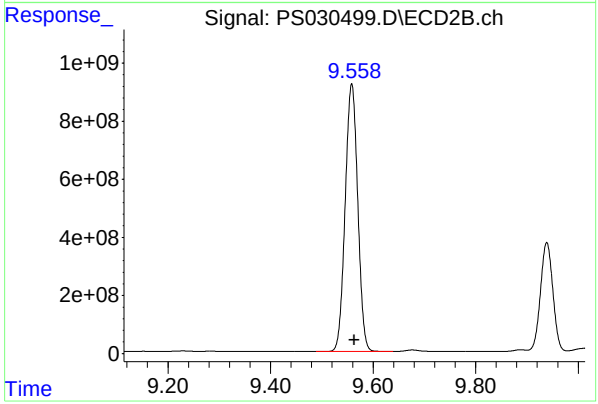
#9 2,4-D

R.T.: 9.032 min
Delta R.T.: -0.003 min
Response: 667374581
Conc: 424.45 ng/ml



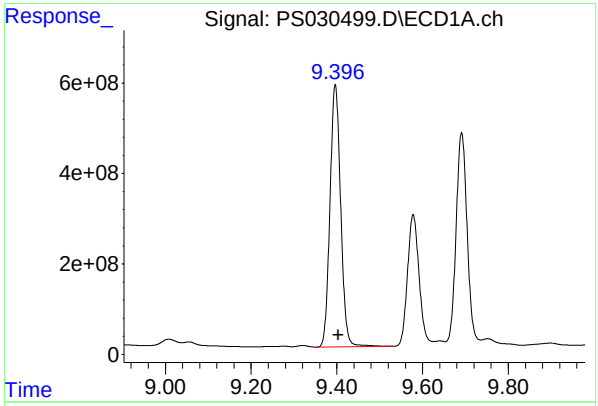
#10 Pentachlorophenol

R.T.: 8.815 min
Delta R.T.: -0.015 min
Response: 24170289961
Conc: 475.92 ng/ml



#10 Pentachlorophenol

R.T.: 9.558 min
Delta R.T.: -0.005 min
Response: 15618956323
Conc: 432.20 ng/ml



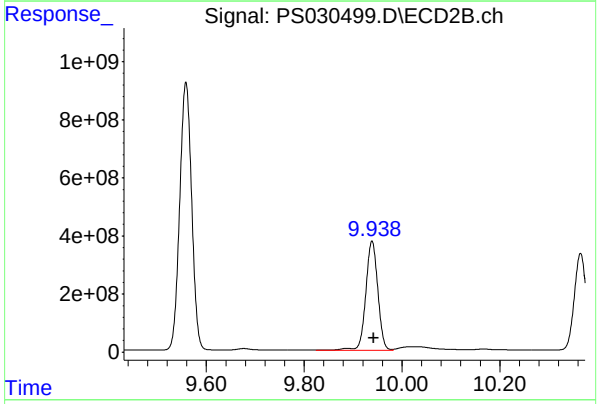
#11 2,4,5-TP (SILVEX)

R.T.: 9.396 min
Delta R.T.: -0.007 min
Response: 10032880347
Conc: 485.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

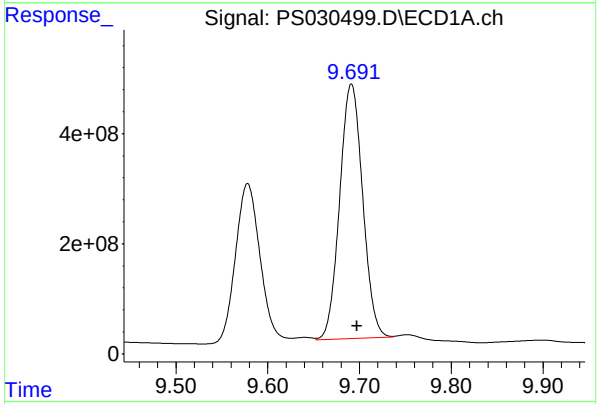
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



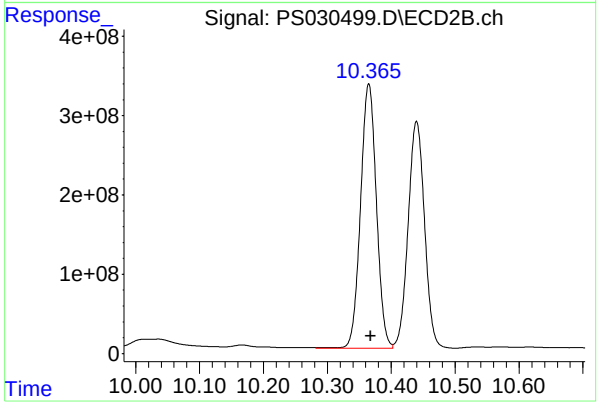
#11 2,4,5-TP (SILVEX)

R.T.: 9.939 min
Delta R.T.: -0.004 min
Response: 6396099108
Conc: 466.30 ng/ml



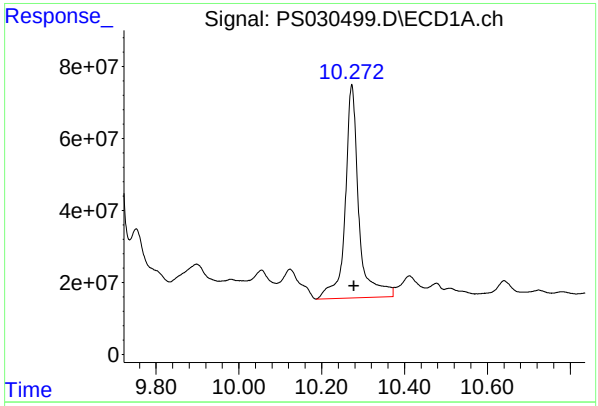
#12 2,4,5-T

R.T.: 9.691 min
Delta R.T.: -0.006 min
Response: 8042755248
Conc: 436.37 ng/ml



#12 2,4,5-T

R.T.: 10.365 min
Delta R.T.: -0.003 min
Response: 5746351847
Conc: 440.09 ng/ml



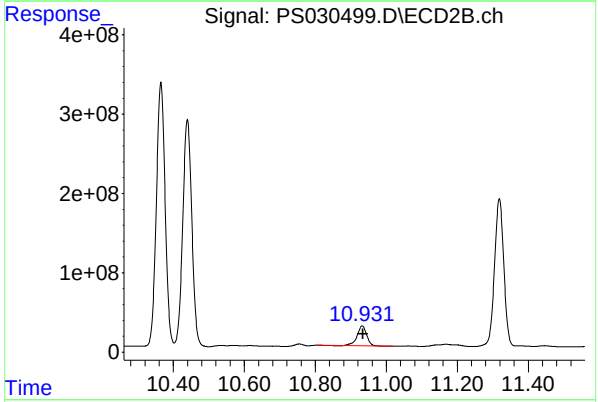
#13 2,4-DB

R.T.: 10.273 min
Delta R.T.: -0.005 min
Response: 1348132387
Conc: 444.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

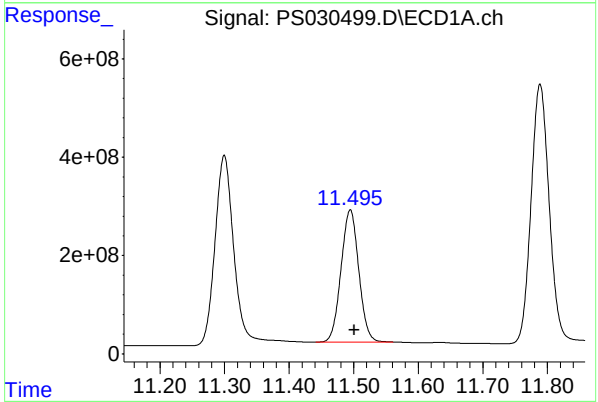
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



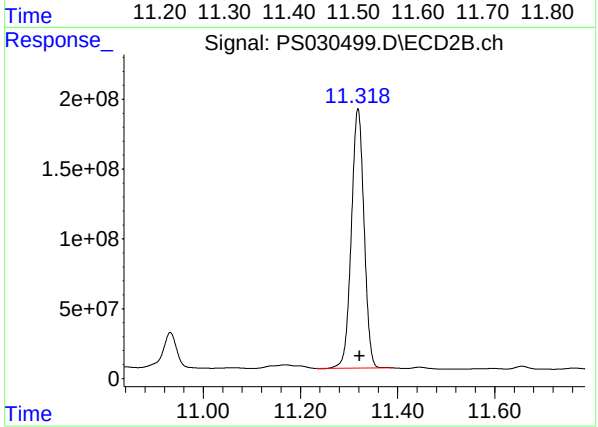
#13 2,4-DB

R.T.: 10.932 min
Delta R.T.: -0.003 min
Response: 476221014
Conc: 414.27 ng/ml



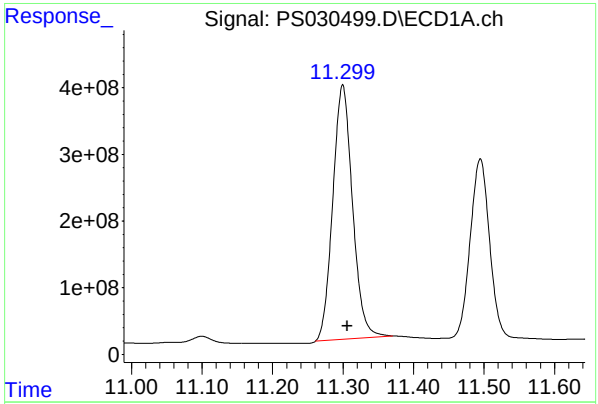
#14 DINOSEB

R.T.: 11.495 min
Delta R.T.: -0.007 min
Response: 5119543148
Conc: 356.14 ng/ml



#14 DINOSEB

R.T.: 11.318 min
Delta R.T.: -0.003 min
Response: 3367260915
Conc: 335.05 ng/ml



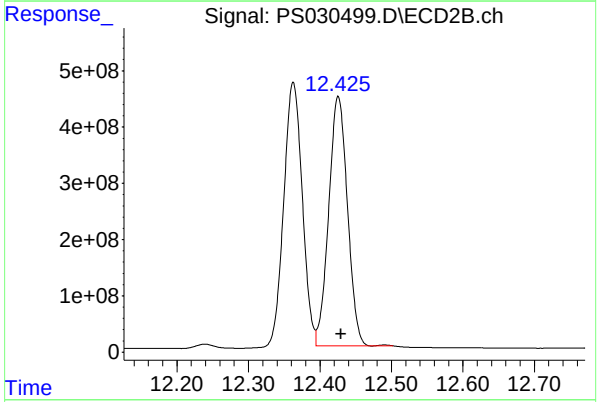
#15 Picloram

R.T.: 11.300 min
Delta R.T.: -0.007 min
Response: 7424890565
Conc: 371.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

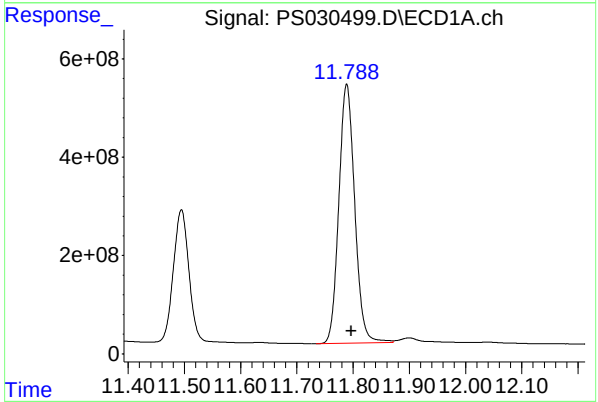
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



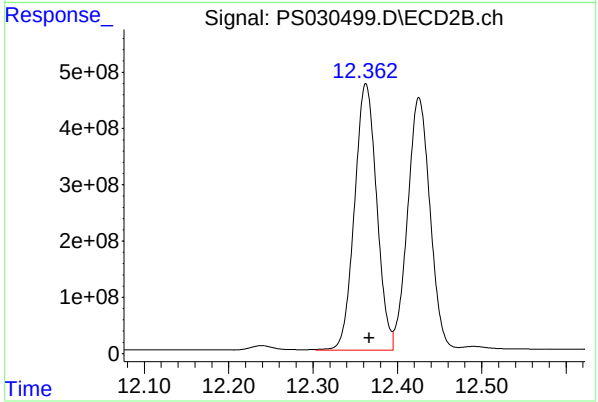
#15 Picloram

R.T.: 12.426 min
Delta R.T.: -0.004 min
Response: 8083997083
Conc: 366.06 ng/ml



#16 DCPA

R.T.: 11.789 min
Delta R.T.: -0.008 min
Response: 10331934058
Conc: 390.77 ng/ml



#16 DCPA

R.T.: 12.362 min
Delta R.T.: -0.004 min
Response: 8632287444
Conc: 421.85 ng/ml m

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Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030476.D	2,4-DCAA	Abdul	6/5/2025 8:32:30 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC200	PS030476.D	MCPA #2	Abdul	6/5/2025 8:32:30 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC500	PS030477.D	2,4-DCAA	Abdul	6/5/2025 8:32:34 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC750	PS030478.D	2,4-DCAA	Abdul	6/5/2025 8:32:37 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1000	PS030479.D	2,4-DCAA	Abdul	6/5/2025 8:32:40 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1500	PS030480.D	2,4-DCAA	Abdul	6/5/2025 8:32:44 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1500	PS030480.D	MCPA #2	Abdul	6/5/2025 8:32:44 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICV750	PS030481.D	2,4-DCAA	Abdul	6/5/2025 8:32:48 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030483.D	2,4-DCAA	Abdul	6/5/2025 8:32:51 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030483.D	MCPA #2	Abdul	6/5/2025 8:32:51 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	2,4-DB #2	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	2,4-DCAA	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	MCPA #2	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030497.D	2,4-DCAA	Abdul	6/5/2025 3:53:26 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	3,5-DICHLOROBENZOIC ACID	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	Dalapon	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	DCPA #2	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	DICAMBA #2	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	MCPA	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MS	PS030498.D	MCPA #2	Abdul	6/5/2025 3:53:35 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MSD	PS030499.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MSD	PS030499.D	Dalapon	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MSD	PS030499.D	DCPA #2	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MSD	PS030499.D	DICAMBA #2	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2173-06MSD	PS030499.D	MCPA	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2173-06MSD	PS030499.D	MCPA #2	Abdul	6/5/2025 3:53:38 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030506.D	2,4-DCAA	Abdul	6/5/2025 11:55:40 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2177-03	PS030507.D	2,4-DCAA #2	Abdul	6/5/2025 11:55:43 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2177-07	PS030509.D	2,4-DCAA #2	Abdul	6/5/2025 11:55:47 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168263BS	PS030511.D	2,4-DCAA	Abdul	6/5/2025 3:53:41 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168263BS	PS030511.D	DCPA #2	Abdul	6/5/2025 3:53:41 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168263BS	PS030511.D	MCPA #2	Abdul	6/5/2025 3:53:41 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168263BS	PS030511.D	Picloram #2	Abdul	6/5/2025 3:53:41 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	2,4-D #2	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	2,4-DCAA	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	MCPA #2	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	Picloram	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	2,4-D #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030526.D	2,4-DCAA	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	DCPA #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	MCPA #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	Picloram	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 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	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030474.D	04 Jun 2025 10:31	AR\AJ	Ok
2	I.BLK	PS030475.D	04 Jun 2025 10:55	AR\AJ	Ok
3	HSTDICC200	PS030476.D	04 Jun 2025 11:19	AR\AJ	Ok,M
4	HSTDICC500	PS030477.D	04 Jun 2025 11:43	AR\AJ	Ok,M
5	HSTDICC750	PS030478.D	04 Jun 2025 12:07	AR\AJ	Ok,M
6	HSTDICC1000	PS030479.D	04 Jun 2025 12:31	AR\AJ	Ok,M
7	HSTDICC1500	PS030480.D	04 Jun 2025 12:55	AR\AJ	Ok,M
8	HSTDICV750	PS030481.D	04 Jun 2025 13:35	AR\AJ	Ok,M
9	I.BLK	PS030482.D	04 Jun 2025 13:59	AR\AJ	Ok
10	HSTDCCC750	PS030483.D	04 Jun 2025 14:23	AR\AJ	Ok,M
11	PB168207BL	PS030484.D	04 Jun 2025 14:47	AR\AJ	Ok
12	PB168207BS	PS030485.D	04 Jun 2025 15:12	AR\AJ	Ok,M
13	Q1872-17	PS030486.D	04 Jun 2025 15:36	AR\AJ	Dilution
14	Q1872-17DL	PS030487.D	04 Jun 2025 16:00	AR\AJ	Ok,M
15	I.BLK	PS030488.D	04 Jun 2025 16:26	AR\AJ	Ok
16	HSTDCCC750	PS030489.D	04 Jun 2025 16:50	AR\AJ	Ok,M
17	Q2159-01	PS030490.D	04 Jun 2025 17:14	AR\AJ	Ok
18	Q2160-01	PS030491.D	04 Jun 2025 17:38	AR\AJ	Ok
19	Q2160-05	PS030492.D	04 Jun 2025 18:02	AR\AJ	Ok
20	Q2173-06	PS030493.D	04 Jun 2025 18:26	AR\AJ	Ok,M
21	Q2173-12	PS030494.D	04 Jun 2025 18:51	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 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	

22	Q2173-18	PS030495.D	04 Jun 2025 19:15	AR\AJ	Ok,M
23	I.BLK	PS030496.D	04 Jun 2025 19:39	AR\AJ	Ok
24	HSTDCCC750	PS030497.D	04 Jun 2025 20:03	AR\AJ	Ok,M
25	Q2173-06MS	PS030498.D	04 Jun 2025 20:51	AR\AJ	Ok,M
26	Q2173-06MSD	PS030499.D	04 Jun 2025 21:15	AR\AJ	Ok,M
27	Q2160-05MS	PS030500.D	04 Jun 2025 21:40	AR\AJ	Ok,M
28	Q2160-05MSD	PS030501.D	04 Jun 2025 22:04	AR\AJ	Ok,M
29	Q2172-01	PS030502.D	04 Jun 2025 22:28	AR\AJ	Ok
30	Q2185-01	PS030503.D	04 Jun 2025 22:52	AR\AJ	Ok,M
31	Q2185-05	PS030504.D	04 Jun 2025 23:16	AR\AJ	Ok
32	I.BLK	PS030505.D	04 Jun 2025 23:40	AR\AJ	Ok
33	HSTDCCC750	PS030506.D	05 Jun 2025 00:04	AR\AJ	Ok,M
34	Q2177-03	PS030507.D	05 Jun 2025 00:52	AR\AJ	Ok,M
35	Q2177-05	PS030508.D	05 Jun 2025 01:16	AR\AJ	Ok
36	Q2177-07	PS030509.D	05 Jun 2025 01:40	AR\AJ	Ok,M
37	PB168263BL	PS030510.D	05 Jun 2025 02:04	AR\AJ	Ok
38	PB168263BS	PS030511.D	05 Jun 2025 02:28	AR\AJ	Ok,M
39	PB168224TB	PS030512.D	05 Jun 2025 02:53	AR\AJ	Ok
40	PB168254BL	PS030513.D	05 Jun 2025 03:17	AR\AJ	Ok
41	PB168254BS	PS030514.D	05 Jun 2025 03:41	AR\AJ	Ok,M
42	I.BLK	PS030515.D	05 Jun 2025 04:05	AR\AJ	Ok
43	HSTDCCC750	PS030516.D	05 Jun 2025 04:29	AR\AJ	Ok,M
44	Q2176-01	PS030517.D	05 Jun 2025 05:17	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 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	

45	Q2176-02	PS030518.D	05 Jun 2025 05:41	AR\AJ	Ok,M
46	Q2176-03	PS030519.D	05 Jun 2025 06:05	AR\AJ	Ok
47	Q2176-04	PS030520.D	05 Jun 2025 06:29	AR\AJ	Not Ok
48	Q2176-05	PS030521.D	05 Jun 2025 06:53	AR\AJ	Ok
49	Q2176-06	PS030522.D	05 Jun 2025 07:17	AR\AJ	Ok,M
50	Q2176-07	PS030523.D	05 Jun 2025 07:41	AR\AJ	Ok,M
51	Q2176-08	PS030524.D	05 Jun 2025 08:05	AR\AJ	Ok
52	I.BLK	PS030525.D	05 Jun 2025 08:29	AR\AJ	Ok
53	HSTDCCC750	PS030526.D	05 Jun 2025 08:53	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 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	PS030474.D	04 Jun 2025 10:31		AR\AJ	Ok
2	I.BLK	I.BLK	PS030475.D	04 Jun 2025 10:55		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030476.D	04 Jun 2025 11:19		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030477.D	04 Jun 2025 11:43		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS030478.D	04 Jun 2025 12:07		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030479.D	04 Jun 2025 12:31		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030480.D	04 Jun 2025 12:55		AR\AJ	Ok,M
8	HSTDICV750	ICVPS060425	PS030481.D	04 Jun 2025 13:35		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030482.D	04 Jun 2025 13:59		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030483.D	04 Jun 2025 14:23		AR\AJ	Ok,M
11	PB168207BL	PB168207BL	PS030484.D	04 Jun 2025 14:47		AR\AJ	Ok
12	PB168207BS	PB168207BS	PS030485.D	04 Jun 2025 15:12		AR\AJ	Ok,M
13	Q1872-17	HW0425-PT-HERB-SO	PS030486.D	04 Jun 2025 15:36	Need dilution	AR\AJ	Dilution
14	Q1872-17DL	HW0425-PT-HERB-SO	PS030487.D	04 Jun 2025 16:00		AR\AJ	Ok,M
15	I.BLK	I.BLK	PS030488.D	04 Jun 2025 16:26		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS030489.D	04 Jun 2025 16:50		AR\AJ	Ok,M
17	Q2159-01	TP05-MHO-WC	PS030490.D	04 Jun 2025 17:14		AR\AJ	Ok
18	Q2160-01	TP04-MHG-WC	PS030491.D	04 Jun 2025 17:38		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 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	

19	Q2160-05	TP05-MHH-WC	PS030492.D	04 Jun 2025 18:02		AR\AJ	Ok
20	Q2173-06	OR-400-CF-402B-COM	PS030493.D	04 Jun 2025 18:26		AR\AJ	Ok,M
21	Q2173-12	OR-400-CF-402B-COM	PS030494.D	04 Jun 2025 18:51		AR\AJ	Ok,M
22	Q2173-18	OR-400-CF-402B-COM	PS030495.D	04 Jun 2025 19:15		AR\AJ	Ok,M
23	I.BLK	I.BLK	PS030496.D	04 Jun 2025 19:39		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS030497.D	04 Jun 2025 20:03		AR\AJ	Ok,M
25	Q2173-06MS	OR-400-CF-402B-COM	PS030498.D	04 Jun 2025 20:51	Comp#1,3 recovery fail	AR\AJ	Ok,M
26	Q2173-06MSD	OR-400-CF-402B-COM	PS030499.D	04 Jun 2025 21:15	Comp#1,3,14 recovery fail ,RPD Fail	AR\AJ	Ok,M
27	Q2160-05MS	TP05-MHH-WCMS	PS030500.D	04 Jun 2025 21:40	Comp#1,10 recovery fail	AR\AJ	Ok,M
28	Q2160-05MSD	TP05-MHH-WCMSD	PS030501.D	04 Jun 2025 22:04	Comp#1,10 recovery fail	AR\AJ	Ok,M
29	Q2172-01	TP06-MHQ	PS030502.D	04 Jun 2025 22:28		AR\AJ	Ok
30	Q2185-01	TP02-MHB-WC	PS030503.D	04 Jun 2025 22:52		AR\AJ	Ok,M
31	Q2185-05	TP01-MHA-WC	PS030504.D	04 Jun 2025 23:16		AR\AJ	Ok
32	I.BLK	I.BLK	PS030505.D	04 Jun 2025 23:40		AR\AJ	Ok
33	HSTDCCC750	HSTDCCC750	PS030506.D	05 Jun 2025 00:04		AR\AJ	Ok,M
34	Q2177-03	B-187-SB01	PS030507.D	05 Jun 2025 00:52		AR\AJ	Ok,M
35	Q2177-05	B-187-SB02	PS030508.D	05 Jun 2025 01:16		AR\AJ	Ok
36	Q2177-07	B-202-SB01	PS030509.D	05 Jun 2025 01:40		AR\AJ	Ok,M
37	PB168263BL	PB168263BL	PS030510.D	05 Jun 2025 02:04		AR\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM		
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM		
SubDirectory	PS060425	HP Acquire Method		HP Processing Method	ps060425 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	

38	PB168263BS	PB168263BS	PS030511.D	05 Jun 2025 02:28		AR\AJ	Ok,M
39	PB168224TB	PB168224TB	PS030512.D	05 Jun 2025 02:53		AR\AJ	Ok
40	PB168254BL	PB168254BL	PS030513.D	05 Jun 2025 03:17		AR\AJ	Ok
41	PB168254BS	PB168254BS	PS030514.D	05 Jun 2025 03:41		AR\AJ	Ok,M
42	I.BLK	I.BLK	PS030515.D	05 Jun 2025 04:05		AR\AJ	Ok
43	HSTDCCC750	HSTDCCC750	PS030516.D	05 Jun 2025 04:29		AR\AJ	Ok,M
44	Q2176-01	TP-46	PS030517.D	05 Jun 2025 05:17		AR\AJ	Ok
45	Q2176-02	TP-56	PS030518.D	05 Jun 2025 05:41		AR\AJ	Ok,M
46	Q2176-03	TP-25	PS030519.D	05 Jun 2025 06:05		AR\AJ	Ok
47	Q2176-04	TP-26	PS030520.D	05 Jun 2025 06:29	Surrogate low in both column	AR\AJ	Not Ok
48	Q2176-05	TP-28	PS030521.D	05 Jun 2025 06:53		AR\AJ	Ok
49	Q2176-06	TP-27	PS030522.D	05 Jun 2025 07:17		AR\AJ	Ok,M
50	Q2176-07	TP-31	PS030523.D	05 Jun 2025 07:41		AR\AJ	Ok,M
51	Q2176-08	TP-65	PS030524.D	05 Jun 2025 08:05		AR\AJ	Ok
52	I.BLK	I.BLK	PS030525.D	05 Jun 2025 08:29		AR\AJ	Ok
53	HSTDCCC750	HSTDCCC750	PS030526.D	05 Jun 2025 08:53		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 06/02/2025 **Time :** 16:00

End Prep Date : 06/03/2025 **Time :** 09:15

Combination Ratio : 20

ZHE Cleaning Batch : 10 N/A

Initial Room Temperature: 22 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : SJ

Standared 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	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	N/A	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 fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2185-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 11:00	JP / TCLP Room	SJS. RS 1Ext
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

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
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB168224

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168224TB	LEB224	N/A	N/A	N/A	N/A	N/A	N/A
Q2159-04	TP05-MHO-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-04	TP04-MHG-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-08	TP05-MHH-WC	N/A	N/A	N/A	N/A	100	N/A
Q2168-02	SAN-A1-A3	N/A	N/A	N/A	N/A	100	N/A
Q2168-06	SAN-B1-B3	N/A	N/A	N/A	N/A	100	N/A
Q2168-10	SAN-C1-C2	N/A	N/A	N/A	N/A	100	N/A
Q2172-04	TP06-MHQ	N/A	N/A	N/A	N/A	100	N/A
Q2173-06	OR-400-CF-402B-COMP-23	N/A	N/A	N/A	N/A	100	N/A
Q2173-12	OR-400-CF-402B-COMP-24	N/A	N/A	N/A	N/A	100	N/A
Q2173-18	OR-400-CF-402B-COMP-25	N/A	N/A	N/A	N/A	100	N/A
Q2177-03	B-187-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2177-05	B-187-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2177-07	B-202-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2178-02	RT2929	N/A	N/A	N/A	N/A	100	N/A
Q2185-04	TP02-MHB-WC	N/A	N/A	N/A	N/A	100	N/A
Q2185-08	TP01-MHB-WC	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB168224

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
PB168224TB	LEB224	N/A	N/A	N/A	N/A	#1	4.93
Q2159-04	TP05-MHO-WC	5.02	96.5	5.6	2.0	#1	4.93
Q2160-04	TP04-MHG-WC	5.01	96.5	5.5	2.0	#1	4.93
Q2160-08	TP05-MHH-WC	5.02	96.5	5.8	2.0	#1	4.93
Q2168-02	SAN-A1-A3	5.01	96.5	6.2	2.5	#1	4.93
Q2168-06	SAN-B1-B3	5.02	96.5	6.0	2.0	#1	4.93
Q2168-10	SAN-C1-C2	5.03	96.5	6.0	2.0	#1	4.93
Q2172-04	TP06-MHQ	5.03	96.5	5.5	1.5	#1	4.93
Q2173-06	OR-400-CF-402B-COMP-23	5.02	96.5	9.0	3.5	#1	4.93
Q2173-12	OR-400-CF-402B-COMP-24	5.03	96.5	7.2	2.5	#1	4.93
Q2173-18	OR-400-CF-402B-COMP-25	5.02	96.5	8.4	3.0	#1	4.93
Q2177-03	B-187-SB01	5.03	96.5	8.2	3.0	#1	4.93
Q2177-05	B-187-SB02	5.02	96.5	7.2	2.5	#1	4.93
Q2177-07	B-202-SB01	5.01	96.5	8.2	3.0	#1	4.93
Q2178-02	RT2929	5.02	96.5	10.5	4.0	#1	4.93
Q2185-04	TP02-MHB-WC	5.02	96.5	8.0	3.0	#1	4.93
Q2185-08	TP01-MHB-WC	5.01	96.5	8.0	3.0	N/A	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2177 **WorkList ID :** 189871 **Department :** TCLP Extraction **Date :** 06-02-2025 12:11:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2159-04	TP05-MHO-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-04	TP04-MHG-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-08	TP05-MHH-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-02	SAN-A1-A3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-06	SAN-B1-B3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2168-10	SAN-C1-C2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2172-04	TP06-MHQ	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2173-06	OR-400-CF-402B-COMP-23	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-12	OR-400-CF-402B-COMP-24	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-18	OR-400-CF-402B-COMP-25	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-03	B-187-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-05	B-187-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2177-07	B-202-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2178-02	RT2929	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2185-04	TP02-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	06/02/2025	1311
Q2185-08	TP01-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	06/02/2025	1311

Date/Time 06/02/25 15:00

Raw Sample Received by: WC

Raw Sample Relinquished by: SM

Date/Time 06/02/25 17:30

Raw Sample Received by: SM

Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168263

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,7

Extraction Start Date : 06/03/2025

Extraction Start Time : 11:15

Extraction End Date : 06/03/2025

Extraction End Time : 17:30

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [√] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [_] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24595
Surrogate	1.0ML	5000 PPB	PP24601
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Ether	N/A	E3881
Acidified Na2SO4	N/A	EP2621
NAOH 6N	N/A	EP2606
12N H2SO4	N/A	EP2605
NACL	N/A	M4459
ISO OCTANE	N/A	E3554
Diazomethane	N/A	EP2618
Hexane	N/A	E3938
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted with 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

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/3/25	RS (Ext-lab)	R. Patel/PCB Lab.
17:35	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168263

Analytical Method: M8151A-Herbicide-23 **Concentration Date:** 06/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168224TB	PB168224TB	TCLP Herbicide	100	6	ritesh	RUPESH	10			SEP-1
PB168263BL	HBLK263	TCLP Herbicide	1000	6	ritesh	RUPESH	10			2
PB168263BS	HLCS263	TCLP Herbicide	1000	6	ritesh	RUPESH	10			3
Q2173-06	OR-400-CF-402B-COMP-23	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		4
Q2173-06MS	OR-400-CF-402B-COMP-23MS	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		5
Q2173-06MSD	OR-400-CF-402B-COMP-23MSD	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		6
Q2173-12	OR-400-CF-402B-COMP-24	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		7
Q2173-18	OR-400-CF-402B-COMP-25	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		8
Q2177-03	B-187-SB01	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		9
Q2177-05	B-187-SB02	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		10
Q2177-07	B-202-SB01	TCLP Herbicide	100	6	ritesh	RUPESH	10	A		11

RS
6/3

* **Extracts relinguished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168224

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
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

06/03/25
11:00

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2177
COC Number 2046411

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 1010 Adams Avenue
CITY Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Krupansky
PHONE: 610-310-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Sawdust
PROJECT NO.: 95000878 LOCATION: Kearny NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@BEMSS.com
PHONE: 610-310-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION Samantha Beasley PHONE: 908-728-3148

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT Bem EDD

ANALYSIS

1: TCL-VOC +10
2: PCBs
3: Cr(VI) Cr(III)
4: TCL-SVOCs-BNA 30
5: TAL metals
6: EPH
7: Full TCLP
8: RCRA
9: Aroclors

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-187-SB00	S		X	5/31/25	900	5	X									← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
2.	B-187-SB01			X		930	8	X	X	X	X	X	X	X	X		
3.	B-187-SB02			X		1000	8	X	X	X	X	X	X	X	X		
4.	B-202-SB01			X		1015	8	X	X	X	X	X	X	X	X		
5.	EB05312025	DIW				1415	8	X	X	X	X	X	X				
6.	TB05312025	DIW				NA		X									
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/31/25	1. 6-2-25 0700
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.7°C °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2177 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 6/2/2025 11:19:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 6/2/2025 7:00:00 AM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2177-01	B-187-SB00	Solid	05/31/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-02	B-187-SB01	Solid	05/31/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-04	B-187-SB02	Solid	05/31/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-06	B-202-SB01	Solid	05/31/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-08	EB05312025	Water	05/31/2025	14:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2177-09	TB05312025	Water	05/31/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2177 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 6/2/2025 11:19:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 6/2/2025 7:00:00 AM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : [signature]
Date / Time : 6/2/25 1150

Received By : JC
Date / Time : 6/2/25 1152

Storage Area : VOA Refridgerator Room