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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2259

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Table Of Contents for Q2259

1) HERBICIDE GROUP1 Data 2

2) Signature Page 4

3) Case Narrative 5

4) Qualifier Page 7

5) Conformance/Non Conformance 8

6) QA Checklist 10

7) Chronicle 11

8) Hit Summary 12

9) QC Data Summary For Herbicide Group1 13

- 9.1) Deuterated Monitoring Compound Summary 14
- 9.2) MS/MSD Summary 15
- 9.3) LCS/LCSD Summary 17
- 9.4) Method Blank Summary 18

10) Sample Data 19

- 10.1) OU4-PCS-TC-36-060525 20
- 10.2) OU4-PCS-TC-37-060525 24

11) Calibration Data Summary 28

- 11.1) Initial Calibration Data 29
  - 11.1.1) PS060425 29
  - 11.1.2) PS061625 93
  - 11.1.3) PS061825 157
- 11.2) Continued Calibration Data 221
  - 11.2.1) PS030594.D 221
  - 11.2.2) PS030606.D 235
  - 11.2.3) PS030621.D 249
  - 11.2.4) PS030630.D 263
  - 11.2.5) PS030688.D 277
  - 11.2.6) PS030698.D 291
  - 11.2.7) PS030753.D 305
  - 11.2.8) PS030757.D 319
- 11.3) Analytical Seq 333

12) Compound Detection Summary 335

13) QC Sample Data 338

- 13.1) Method Blank Data 339
- 13.2) PIBLK Data 343

13.3) LCS Data 387
13.4) MS Data 398
13.5) MSD Data 409
14) Manual Integration 420
15) Analytical Runlogs 430
16) Percent Solid 451
17) Extraction Logs 455
17.1) PB168375.pdf 455
17.2) PB168375IC.pdf 457
18) Standard Prep Logs 458
19) Shipping Document 508
19.1) Chain Of Custody 509
19.2) Lab Certificate 510
19.3) Internal COC 511
20) Not Reviewed Data 512

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

Cover Page

Order ID : Q2259

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2259-01	OU4-PCS-TC-36-060525
Q2259-02	OU4-PCS-TC-36-060525
Q2259-03	OU4-PCS-TC-37-060525
Q2259-04	OU4-PCS-TC-37-060525
Q2259-05	OU4-TS-29-060525
Q2259-06	OU4-TS-30-060525

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: 6/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2259
Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 06/06/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for Herbicide Group1.

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 Herbicide Group1s was based on method 8151A and extraction was done based on method 3541.

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 {Q2266-01MS} with File ID: PS030754.D recoveries met the requirements for all compounds except for [Dalapon(1)- 35%],[Dalapon(2)- 121%][Dinoseb(1)- 46%],[Dinoseb(2)- 44%] Due to matrix interference.

The MSD {Q2266-01MSD} with File ID: PS030755.D recoveries met the acceptable requirements except for [Dalapon(1)- 34%],[Dalapon(2)- 124%][Dinoseb(1)- 46%],[Dinoseb(2)- 43%] Due to matrix interference.

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 .

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

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

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_____

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

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

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2259 MATRIX: Solid

METHOD: 8151A/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q2266-01MS} with File ID: PS030754.D recoveries met the requirements for all compounds except for [Dalapon(1)- 35%],[Dalapon(2)- 121%][Dinoseb(1)- 46%],[Dinoseb(2)- 44%] Due to matrix interference. The MSD {Q2266-01MSD} with File ID: PS030755.D recoveries met the acceptable requirements except for [Dalapon(1)- 34%],[Dalapon(2)- 124%][Dinoseb(1)- 46%],[Dinoseb(2)- 43%] Due to matrix interference. The Blank Spike met requirements for all samples . The RPD met criteria .		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

_____ _____

QA REVIEW Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2259

	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: SOHIL JODHANI **Date:** 06/20/2025

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

LAB CHRONICLE

OrderID:	Q2259	**OrderDate:**	6/6/2025 10:57:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2259-01	**OU4-PCS-TC-36-060525**	**SOIL**			**06/05/25**			**06/06/25**
			Herbicide Group1	8151A		06/10/25	06/10/25	
			PCB	8082A		06/09/25	06/09/25	
			Pesticide-TCL	8081B		06/09/25	06/11/25	
Q2259-03	**OU4-PCS-TC-37-060525**	**SOIL**			**06/05/25**			**06/06/25**
			Herbicide Group1	8151A		06/10/25	06/10/25	
			PCB	8082A		06/09/25	06/09/25	
			Pesticide-TCL	8081B		06/09/25	06/11/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2259 **Order ID:** Q2259

Client: Nobis Group **Project ID:** Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :									
			Total Concentration:	**0.000**					

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2259

Client: Nobis Group

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		32	138
		2,4-DCAA	2	500	445	89		32	138
I.BLK-PS030593.D	PIBLK-PS030593.D	2,4-DCAA	1	500	459	92		32	138
		2,4-DCAA	2	500	475	95		32	138
Q2259-01	OU4-PCS-TC-36-060525	2,4-DCAA	1	500	303	61		27	122
		2,4-DCAA	2	500	321	64		27	122
Q2259-03	OU4-PCS-TC-37-060525	2,4-DCAA	1	500	154	31		27	122
		2,4-DCAA	2	500	171	34		27	122
I.BLK-PS030605.D	PIBLK-PS030605.D	2,4-DCAA	1	500	452	90		32	138
		2,4-DCAA	2	500	481	96		32	138
I.BLK-PS030620.D	PIBLK-PS030620.D	2,4-DCAA	1	500	449	90		32	138
		2,4-DCAA	2	500	487	97		32	138
PB168375BS	PB168375BS	2,4-DCAA	1	500	499	100		27	122
		2,4-DCAA	2	500	486	97		27	122
I.BLK-PS030629.D	PIBLK-PS030629.D	2,4-DCAA	1	500	452	90		32	138
		2,4-DCAA	2	500	492	98		32	138
I.BLK-PS030680.D	PIBLK-PS030680.D	2,4-DCAA	1	500	396	79		32	138
		2,4-DCAA	2	500	472	94		32	138
I.BLK-PS030687.D	PIBLK-PS030687.D	2,4-DCAA	1	500	401	80		32	138
		2,4-DCAA	2	500	473	95		32	138
PB168375BL	PB168375BL	2,4-DCAA	1	500	384	77		27	122
		2,4-DCAA	2	500	404	81		27	122
I.BLK-PS030697.D	PIBLK-PS030697.D	2,4-DCAA	1	500	446	89		32	138
		2,4-DCAA	2	500	477	95		32	138
I.BLK-PS030738.D	PIBLK-PS030738.D	2,4-DCAA	1	500	414	83		32	138
		2,4-DCAA	2	500	487	97		32	138
I.BLK-PS030752.D	PIBLK-PS030752.D	2,4-DCAA	1	500	430	86		32	138
		2,4-DCAA	2	500	492	98		32	138
Q2266-01MS	WC-3MS	2,4-DCAA	1	500	460	92		27	122
		2,4-DCAA	2	500	463	93		27	122
Q2266-01MSD	WC-3MSD	2,4-DCAA	1	500	460	92		27	122
		2,4-DCAA	2	500	459	92		27	122
I.BLK-PS030756.D	PIBLK-PS030756.D	2,4-DCAA	1	500	431	86		32	138
		2,4-DCAA	2	500	497	99		32	138

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2259 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS030754.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**WC-3MS**											
Q2266-01MS (Column 1)	DICAMBA	187.9	0	141	ug/Kg	75				38	132	
	Dalapon	187.9	0	66.2	ug/Kg	35	*			70	130	
	DICHLORPROP	187.9	0	150	ug/Kg	80				28	155	
	2,4-D	187.9	0	170	ug/Kg	90				28	144	
	2,4,5-TP(Silvex)	187.9	0	164	ug/Kg	87				43	129	
	2,4,5-T	187.9	0	154	ug/Kg	82				31	138	
	2,4-DB	187.9	0	146	ug/Kg	78				34	142	
	Dinoseb	187.9	0	86.5	ug/Kg	46	*			57	152	
Client Sample ID:	**WC-3MS**											
Q2266-01MS (Column 2)	DICAMBA	187.9	0	140	ug/Kg	75				38	132	
	Dalapon	187.9	0	228	ug/Kg	121	*			70	130	
	DICHLORPROP	187.9	0	145	ug/Kg	77				28	155	
	2,4-D	187.9	0	166	ug/Kg	88				28	144	
	2,4,5-TP(Silvex)	187.9	0	235	ug/Kg	125				43	129	
	2,4,5-T	187.9	0	156	ug/Kg	83				31	138	
	2,4-DB	187.9	0	154	ug/Kg	82				34	142	
	Dinoseb	187.9	0	81.8	ug/Kg	44	*			57	152	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2259 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS030755.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**WC-3MSD**											
Q2266-01MSD (Column 1)	DICAMBA	188	0	142	ug/Kg	76		1		38	132	20
	Dalapon	188	0	64.2	ug/Kg	34	*	3		70	130	20
	DICHLORPROP	188	0	150	ug/Kg	80		0		28	155	20
	2,4-D	188	0	170	ug/Kg	90		0		28	144	20
	2,4,5-TP(Silvex)	188	0	164	ug/Kg	87		0		43	129	20
	2,4,5-T	188	0	153	ug/Kg	81		1		31	138	20
	2,4-DB	188	0	144	ug/Kg	77		1		34	142	20
	Dinoseb	188	0	86.6	ug/Kg	46	*	0		57	152	20
Client Sample ID:	**WC-3MSD**											
Q2266-01MSD (Column 2)	DICAMBA	188	0	140	ug/Kg	74		1		38	132	20
	Dalapon	188	0	233	ug/Kg	124	*	2		70	130	20
	DICHLORPROP	188	0	147	ug/Kg	78		1		28	155	20
	2,4-D	188	0	168	ug/Kg	89		1		28	144	20
	2,4,5-TP(Silvex)	188	0	235	ug/Kg	125		0		43	129	20
	2,4,5-T	188	0	155	ug/Kg	82		1		31	138	20
	2,4-DB	188	0	153	ug/Kg	81		1		34	142	20
	Dinoseb	188	0	81.7	ug/Kg	43	*	2		57	152	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2259 **Analytical Method:** 8151A

Client: Nobis Group **Datafile :** PS030628.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168375BS (Column 1)	DICAMBA	166.6	160	ug/Kg	96				38	132	
	Dalapon	166.6	156	ug/Kg	94				70	130	
	DICHLORPROP	166.6	154	ug/Kg	92				28	155	
	2,4-D	166.6	155	ug/Kg	93				28	144	
	2,4,5-TP(Silvex)	166.6	159	ug/Kg	95				43	129	
	2,4,5-T	166.6	150	ug/Kg	90				31	138	
	2,4-DB	166.6	136	ug/Kg	82				34	142	
	Dinoseb	166.6	154	ug/Kg	92				57	152	
PB168375BS (Column 2)	DICAMBA	166.6	156	ug/Kg	94				38	132	
	Dalapon	166.6	150	ug/Kg	90				70	130	
	DICHLORPROP	166.6	157	ug/Kg	94				28	155	
	2,4-D	166.6	162	ug/Kg	97				28	144	
	2,4,5-TP(Silvex)	166.6	161	ug/Kg	97				43	129	
	2,4,5-T	166.6	160	ug/Kg	96				31	138	
	2,4-DB	166.6	156	ug/Kg	94				34	142	
	Dinoseb	166.6	157	ug/Kg	94				57	152	

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168375BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Lab Sample ID: PB168375BL Lab File ID: PS030692.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 06/10/2025

Date Analyzed (1): 06/16/2025 Date Analyzed (2): 06/16/2025

Time Analyzed (1): 14:53 Time Analyzed (2): 14:53

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
OU4-PCS-TC-36-060525	Q2259-01	PS030601.D	06/10/2025	06/10/2025
OU4-PCS-TC-37-060525	Q2259-03	PS030602.D	06/10/2025	06/10/2025
PB168375BS	PB168375BS	PS030628.D	06/11/2025	06/11/2025
WC-3MS	Q2266-01MS	PS030754.D	06/19/2025	06/19/2025
WC-3MSD	Q2266-01MSD	PS030755.D	06/19/2025	06/19/2025

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	94.3 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030601.D	1	06/10/25 09:42	06/10/25 18:00	PB168375

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.035	U	0.0082	0.035	0.071	mg/Kg
75-99-0	DALAPON	0.053	U	0.019	0.053	0.071	mg/Kg
120-36-5	DICHLORPROP	0.035	U	0.014	0.035	0.071	mg/Kg
94-75-7	2,4-D	0.035	U	0.0096	0.035	0.071	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.035	U	0.0096	0.035	0.071	mg/Kg
93-76-5	2,4,5-T	0.035	U	0.0092	0.035	0.071	mg/Kg
94-82-6	2,4-DB	0.035	U	0.026	0.035	0.071	mg/Kg
88-85-7	DINOSEB	0.035	U	0.011	0.035	0.071	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	321		27 - 122		64%	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\PS061025\
Data File : PS030601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 18:00
Operator : AR\AJ
Sample : Q2259-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:37:23 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	7.360	7.768	1142.5E6	345.4E6	302.648	321.093m
	Target Compounds						

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

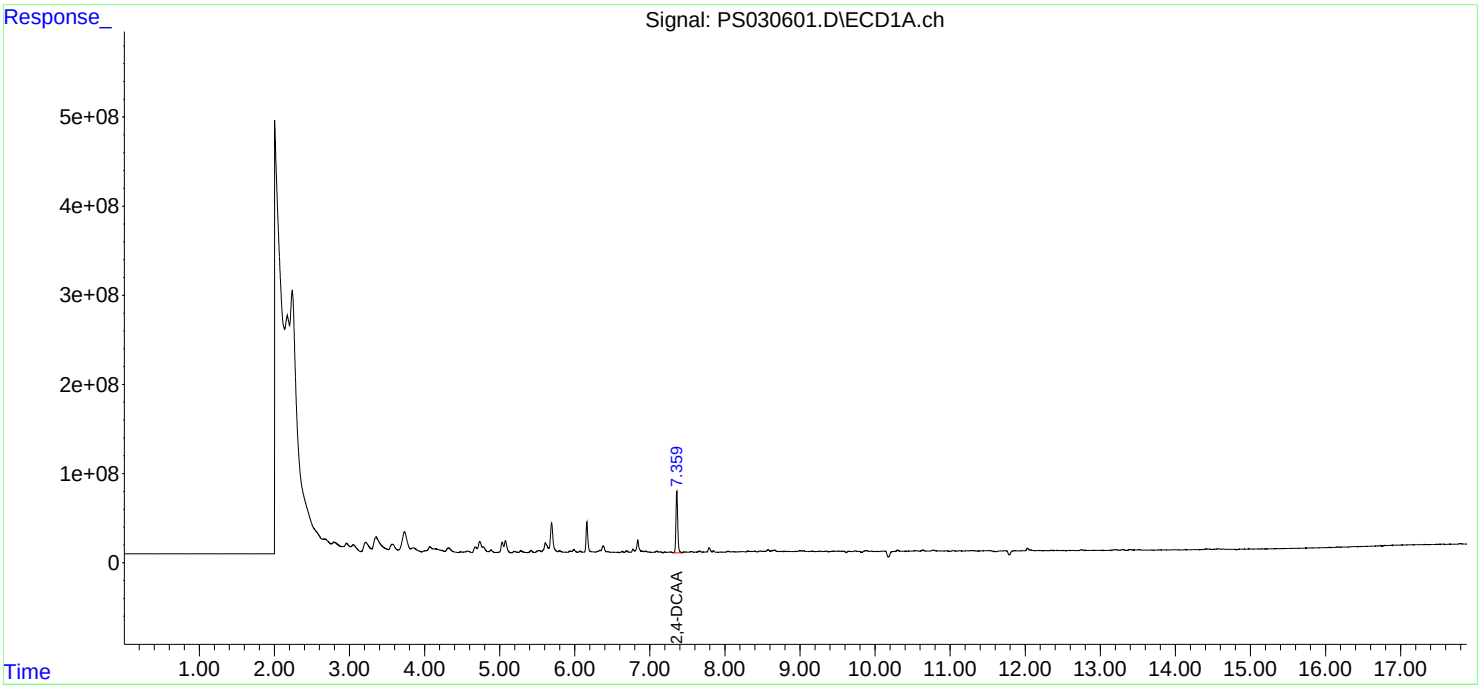
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 18:00
Operator : AR\AJ
Sample : Q2259-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

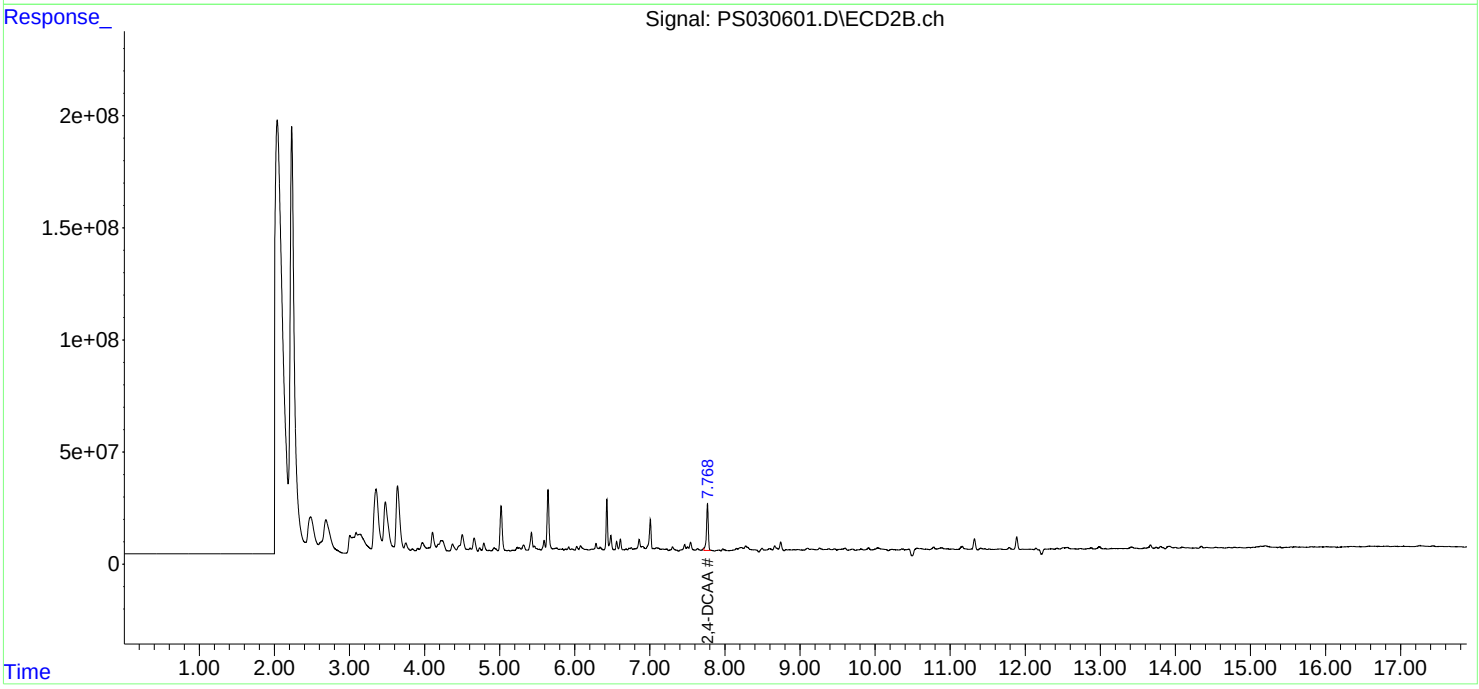
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525

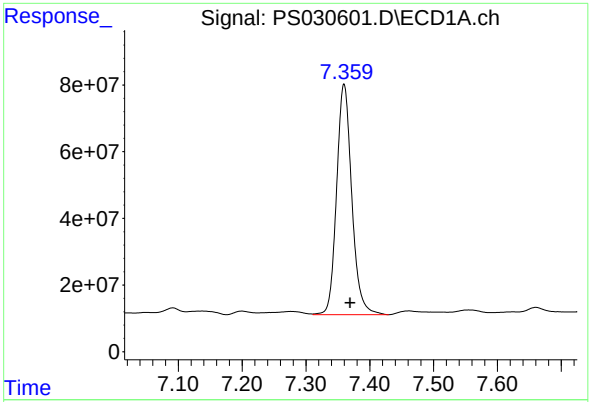
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:37:23 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 0.25µm







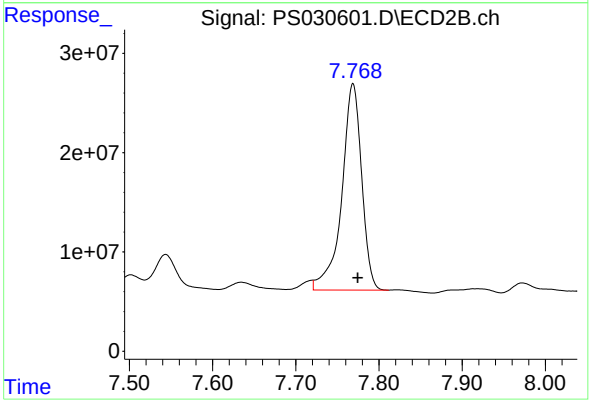
#4 2,4-DCAA

R.T.: 7.360 min
Delta R.T.: -0.009 min
Response: 1142540103
Conc: 302.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: -0.006 min
Response: 345370389
Conc: 321.09 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	94.3 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030602.D	1	06/10/25 09:42	06/10/25 18:24	PB168375

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.035	U	0.0082	0.035	0.071	mg/Kg
75-99-0	DALAPON	0.053	U	0.019	0.053	0.071	mg/Kg
120-36-5	DICHLORPROP	0.035	U	0.014	0.035	0.071	mg/Kg
94-75-7	2,4-D	0.035	U	0.0096	0.035	0.071	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.035	U	0.0096	0.035	0.071	mg/Kg
93-76-5	2,4,5-T	0.035	U	0.0092	0.035	0.071	mg/Kg
94-82-6	2,4-DB	0.035	U	0.026	0.035	0.071	mg/Kg
88-85-7	DINOSEB	0.035	U	0.011	0.035	0.071	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	171		27 - 122		34%	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\PS061025\
Data File : PS030602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 18:24
Operator : AR\AJ
Sample : Q2259-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-37-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:37:34 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	7.359	7.768	579.7E6	184.0E6	153.559	171.031
	Target Compounds						

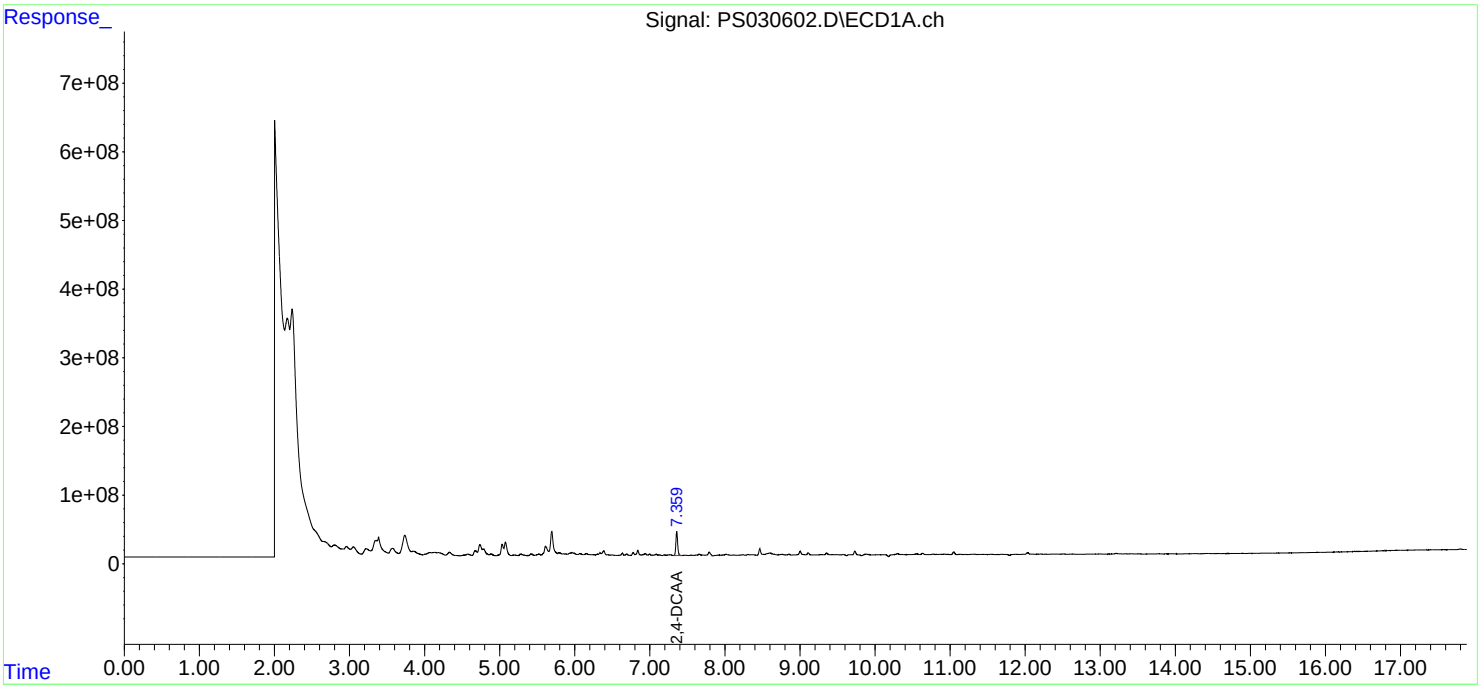
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

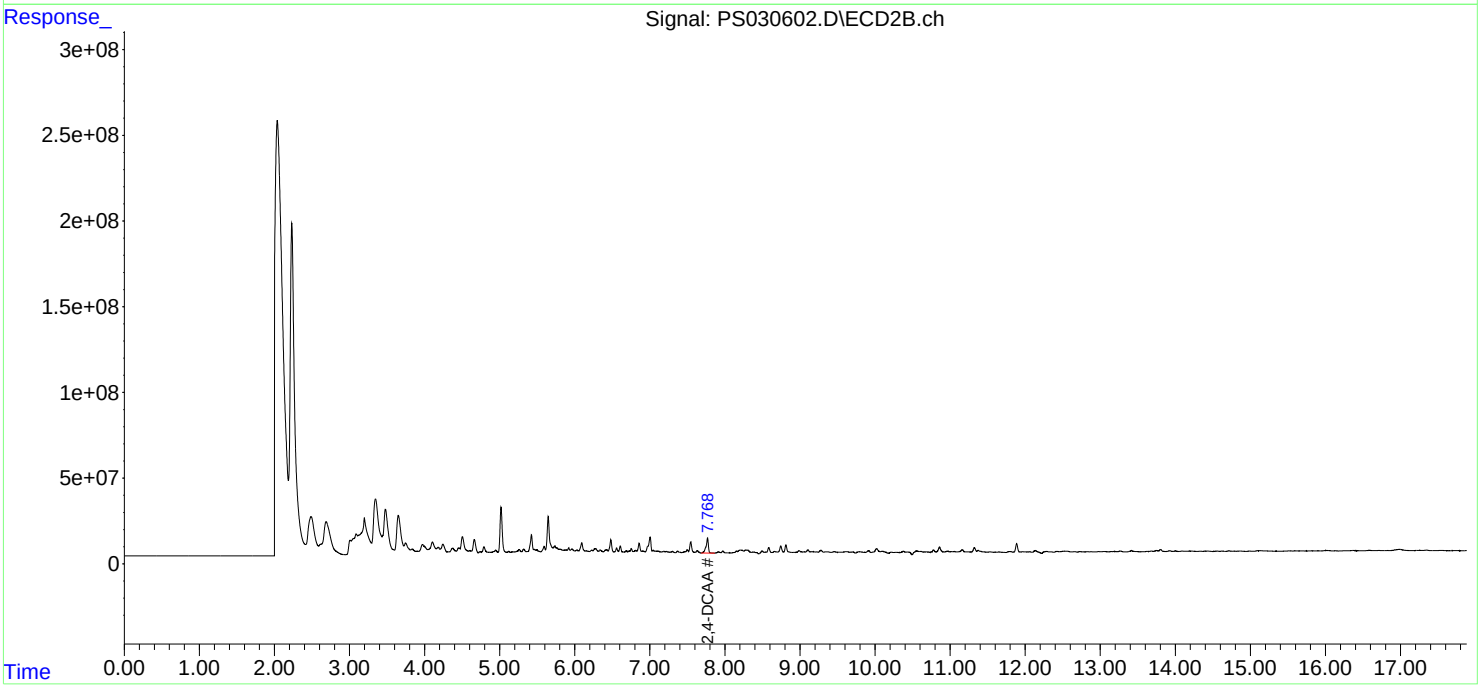
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 18:24
Operator : AR\AJ
Sample : Q2259-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

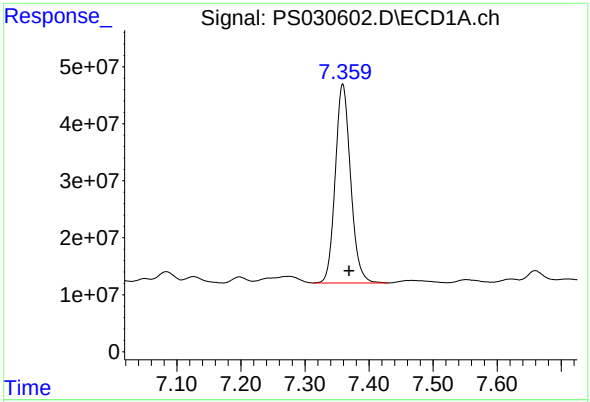
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-37-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:37:34 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



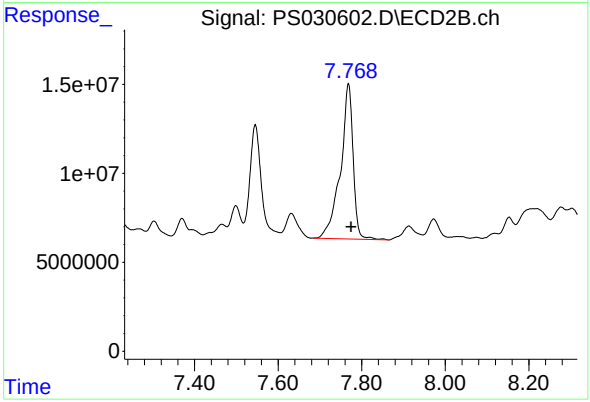




#4 2,4-DCAA

R.T.: 7.359 min
Delta R.T.: -0.010 min
Response: 579707054
Conc: 153.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-37-060525



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: -0.007 min
Response: 183963116
Conc: 171.03 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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-T	9.70	9.70	9.70	9.70	9.70	9.70	9.60	9.80
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-DB	10.28	10.28	10.28	10.28	10.28	10.28	10.18	10.38
2,4-DCAA	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
Dalapon	2.72	2.72	2.72	2.71	2.72	2.72	2.62	2.82
DICAMBA	7.56	7.56	7.56	7.56	7.56	7.56	7.46	7.66
DICHLORPROP	8.28	8.28	8.28	8.28	8.28	8.28	8.18	8.38
Dinoseb	11.50	11.50	11.50	11.50	11.50	11.50	11.40	11.60

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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-T	10.37	10.37	10.37	10.37	10.37	10.37	10.27	10.47
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-DB	10.94	10.94	10.94	10.94	10.94	10.94	10.84	11.04
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Dalapon	2.71	2.71	2.71	2.71	2.71	2.71	2.61	2.81
DICAMBA	7.98	7.98	7.98	7.98	7.98	7.98	7.88	8.08
DICHLORPROP	8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Dinoseb	11.32	11.32	11.32	11.32	11.32	11.32	11.22	11.42

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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-T	20110200000	18445100000	18262000000	18165800000	17172200000	18431100000	6
2,4,5-TP(Silvex)	23444500000	20930200000	20252400000	19918900000	18779400000	20665100000	8
2,4-D	4208920000	3650560000	3531620000	3494410000	3332550000	3643610000	9
2,4-DB	3187030000	2969900000	2987600000	3055150000	2982130000	3036360000	3
2,4-DCAA	4505990000	3745160000	3587820000	3627070000	3409690000	3775150000	11
Dalapon	6635610000	5627170000	5409030000	5378230000	5184820000	5646970000	10
DICAMBA	17545300000	15532100000	14992100000	14866500000	14176500000	15422500000	8
DICHLORPROP	4363010000	3637540000	3480040000	3430450000	3279680000	3638150000	12
Dinoseb	16280300000	14486300000	14010300000	13907800000	13190000000	14374900000	8

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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-T	14777200000	13128600000	12724600000	12611900000	12043300000	13057100000	8
2,4,5-TP(Silvex)	15627400000	13837500000	13337200000	13203400000	12578300000	13716700000	8
2,4-D	1858730000	1575260000	1504430000	1488570000	1434610000	1572320000	11
2,4-DB	1329650000	1149370000	1105700000	1098150000	1064880000	1149550000	9
2,4-DCAA	1341960000	1066160000	1011260000	997042000	961634000	1075610000	14
Dalapon	3198400000	2714060000	2628110000	2611790000	2547720000	2740010000	10
DICAMBA	7190560000	6384370000	6250780000	6263160000	6119370000	6441650000	7
DICHLORPROP	1789880000	1480180000	1413150000	1395780000	1342020000	1484200000	12
Dinoseb	11251500000	10033800000	9761280000	9784360000	9419650000	10050100000	7

Quantitation Report (QT Reviewed)

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.

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

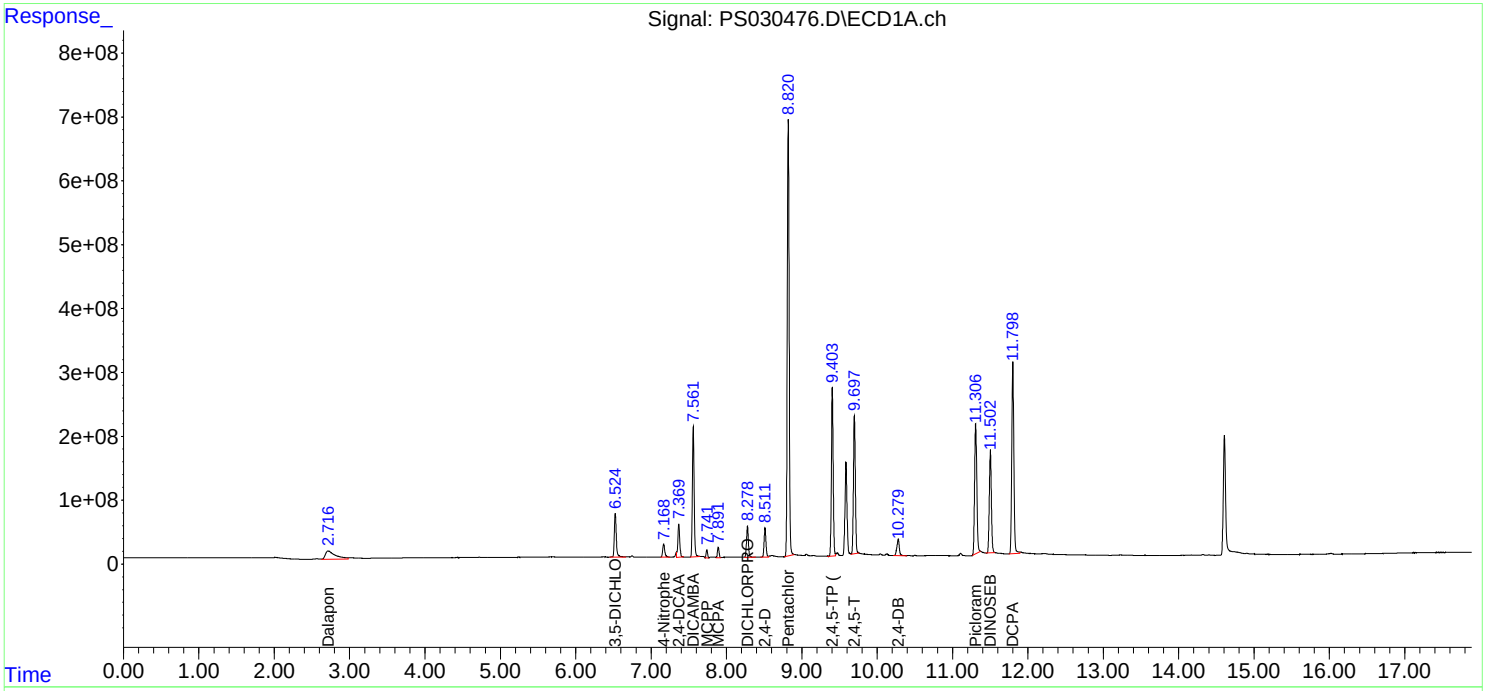
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

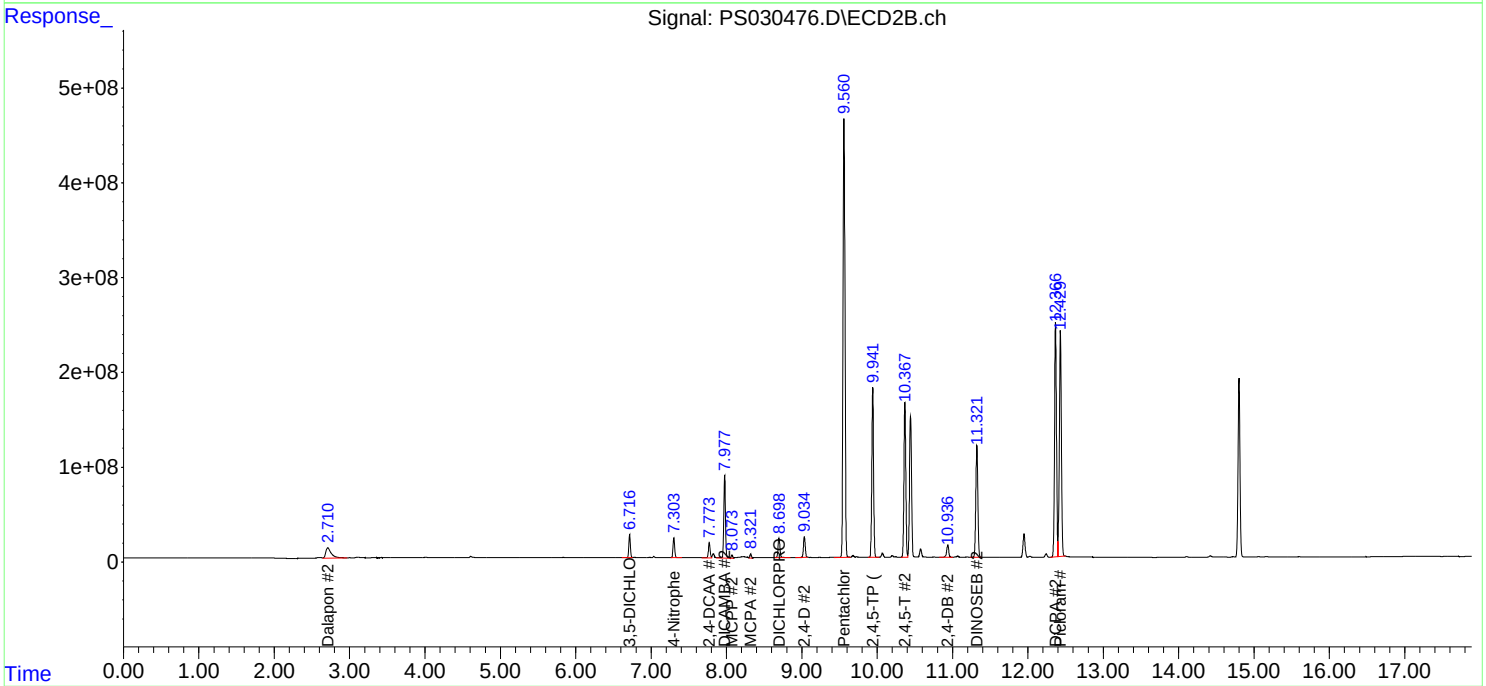
Manual Integrations APPROVED

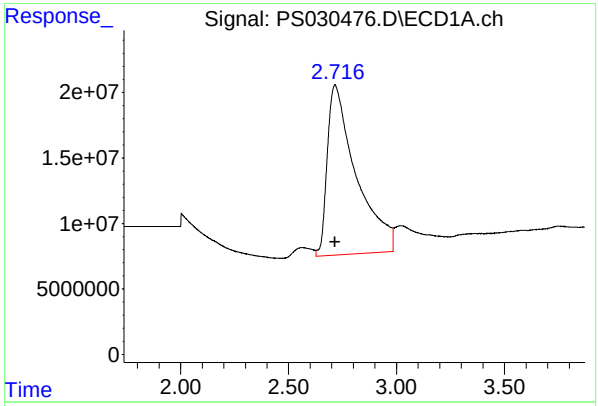
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

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







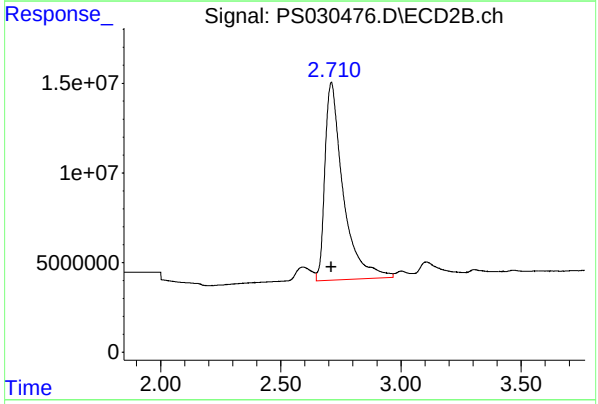
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

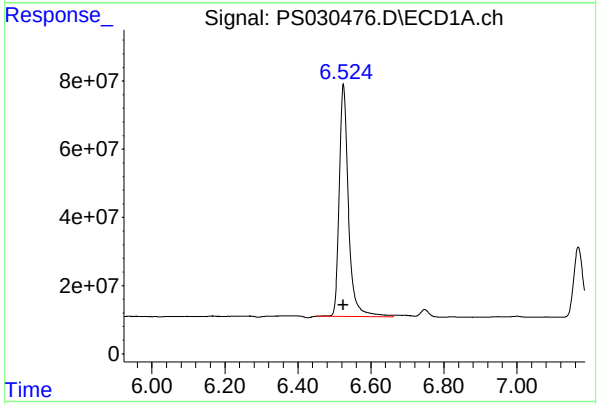
Manual Integrations APPROVED

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



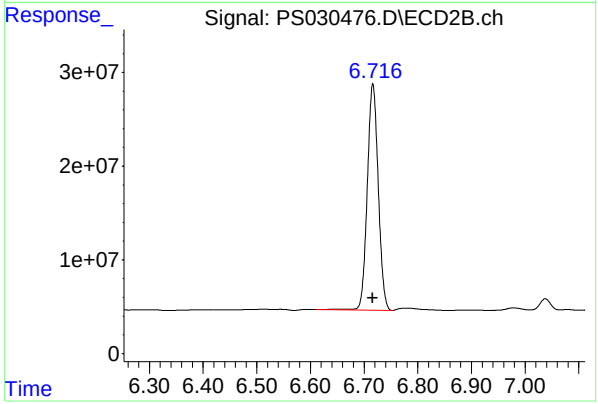
#1 Dalapon

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



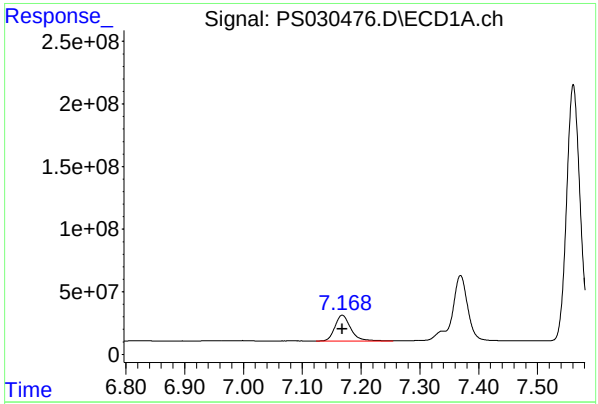
#2 3,5-DICHLOROBENZOIC ACID

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



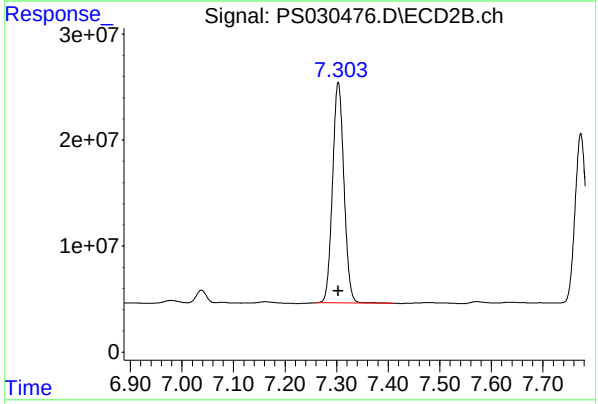
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

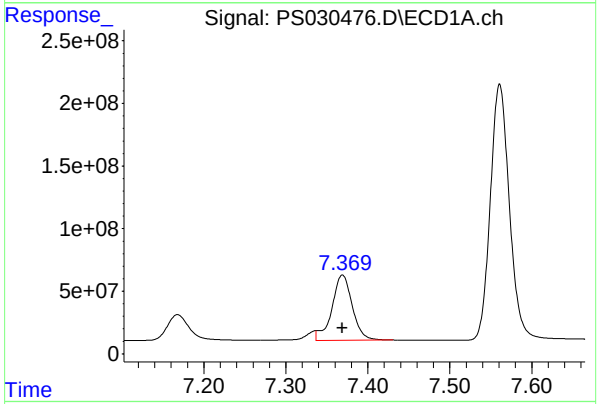
Manual Integrations APPROVED

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



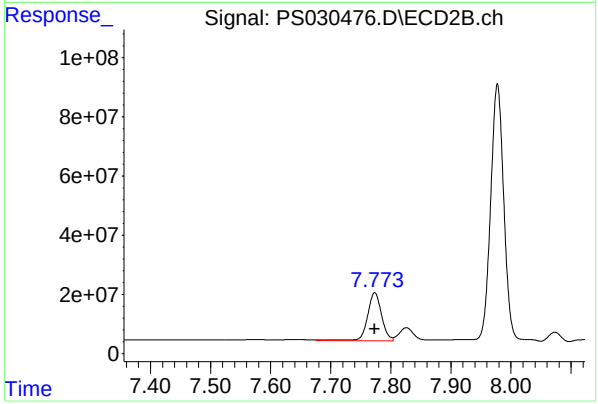
#3 4-Nitrophenol

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



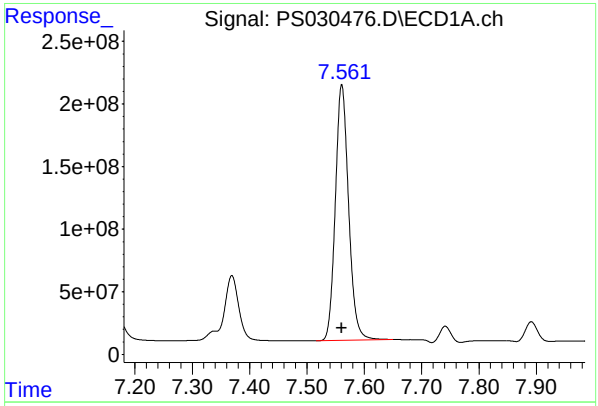
#4 2,4-DCAA

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



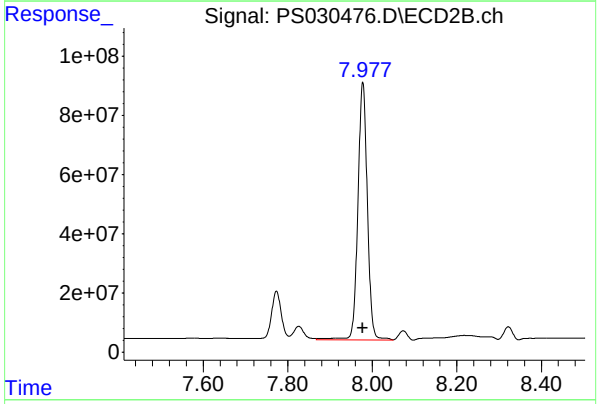
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

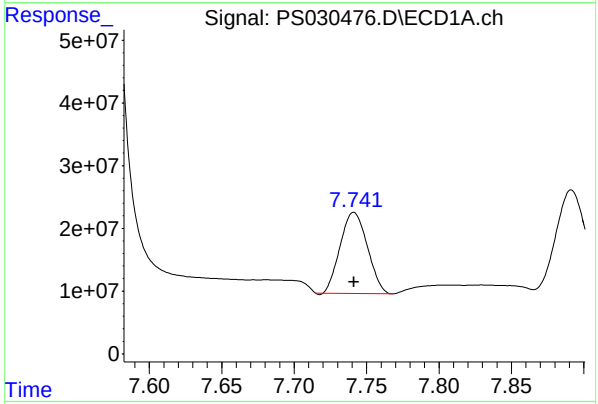
Manual Integrations APPROVED

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



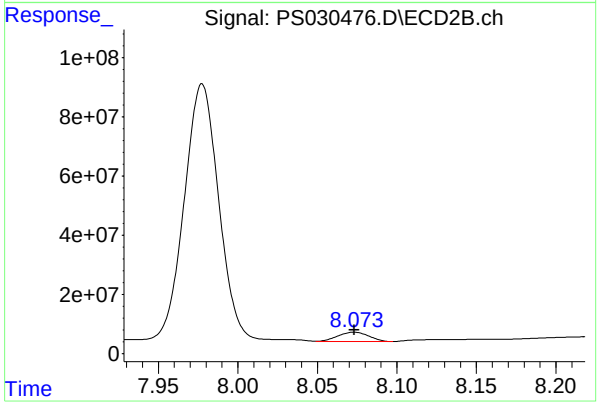
#5 DICAMBA

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



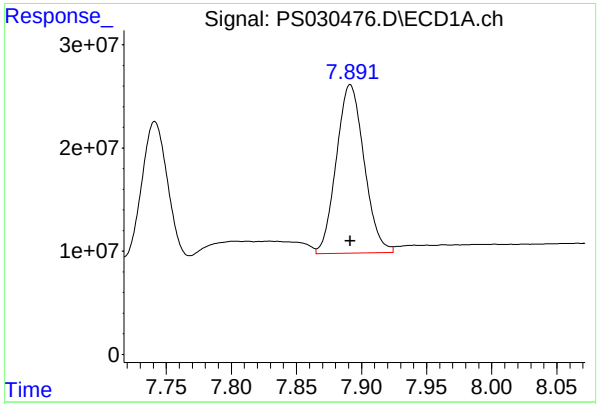
#6 MCPP

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



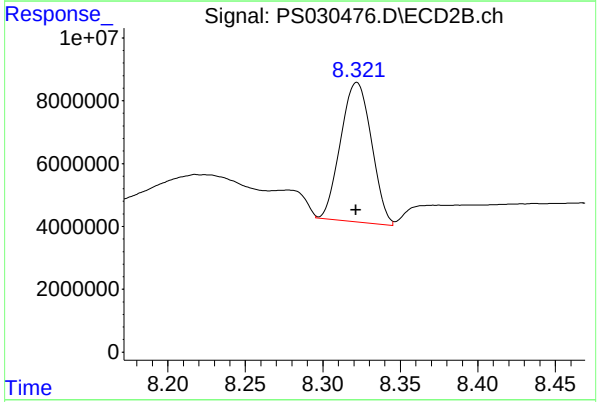
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

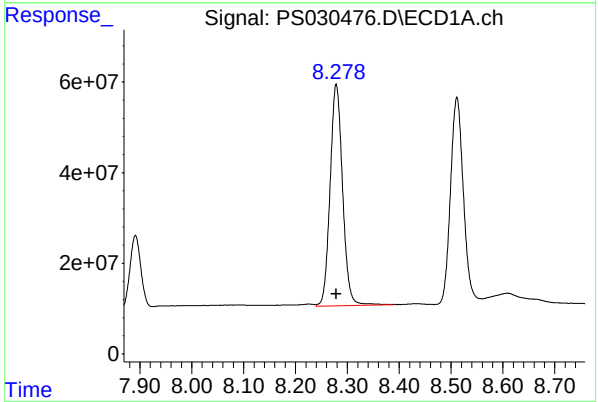
Manual Integrations APPROVED

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



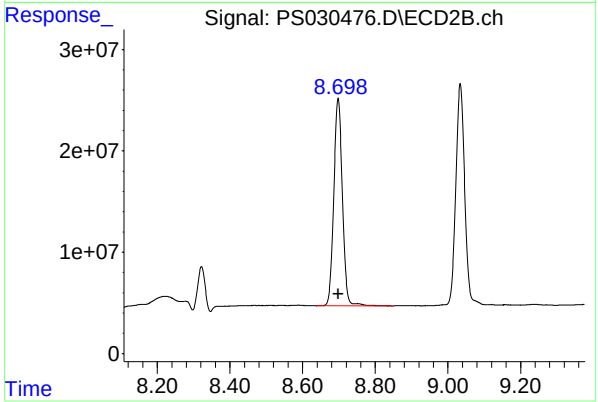
#7 MCPA

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



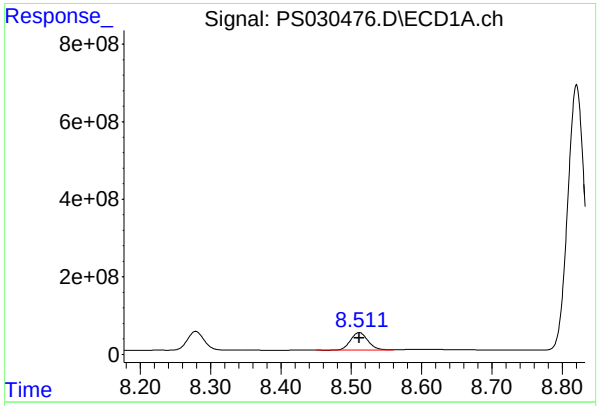
#8 DICHLORPROP

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



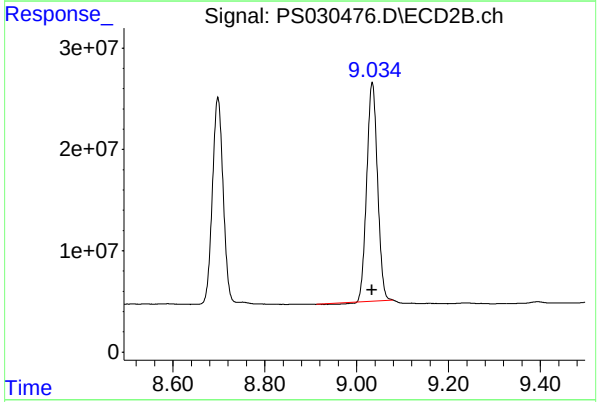
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

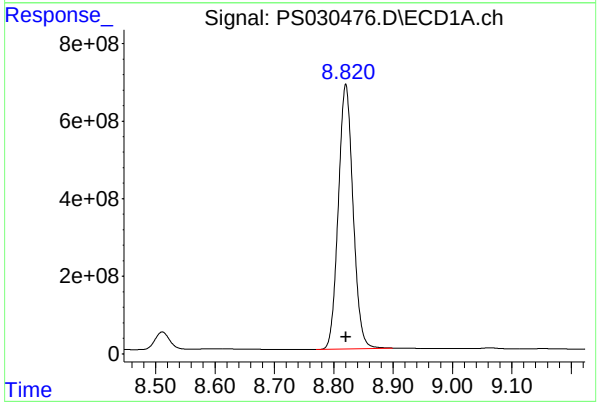
Manual Integrations APPROVED

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



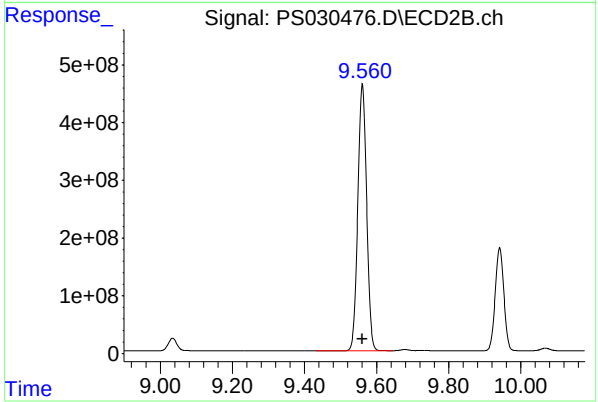
#9 2,4-D

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



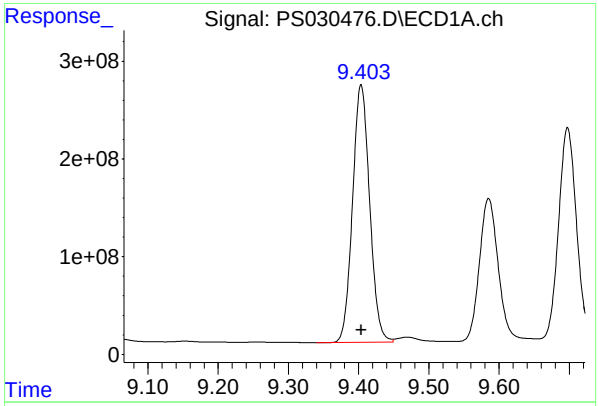
#10 Pentachlorophenol

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



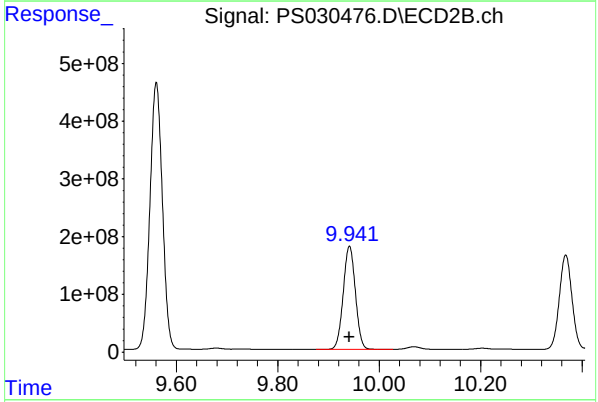
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

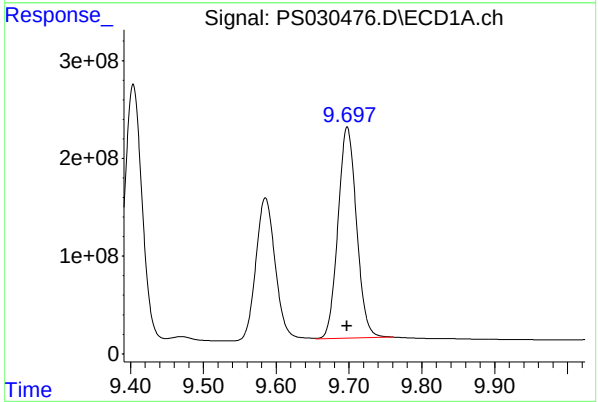
Manual Integrations APPROVED

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



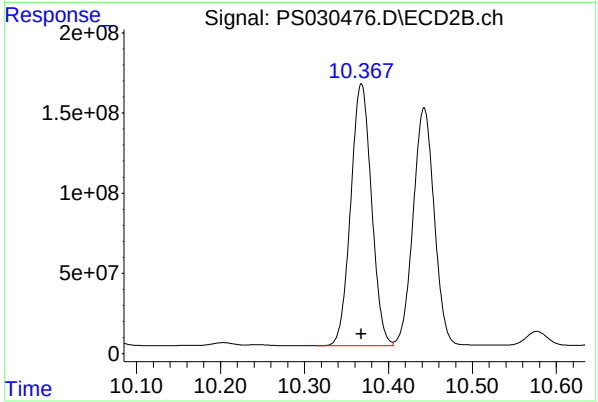
#11 2,4,5-TP (SILVEX)

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



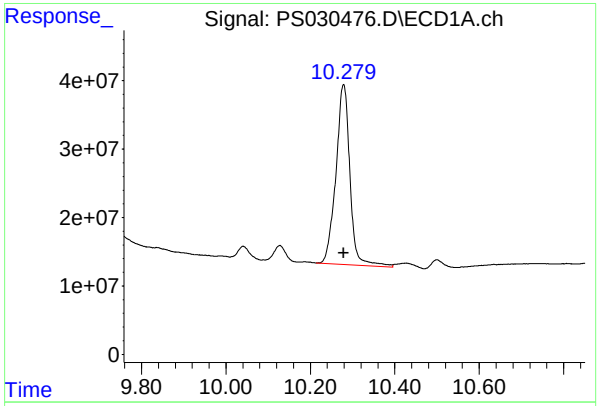
#12 2,4,5-T

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



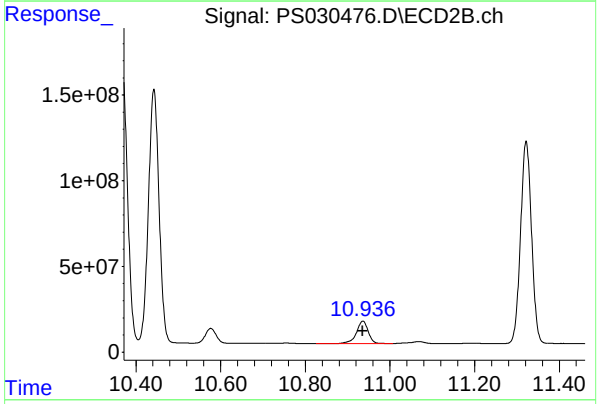
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

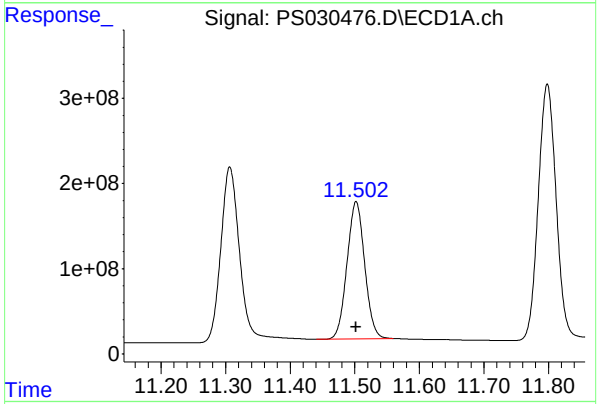
Manual Integrations APPROVED

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



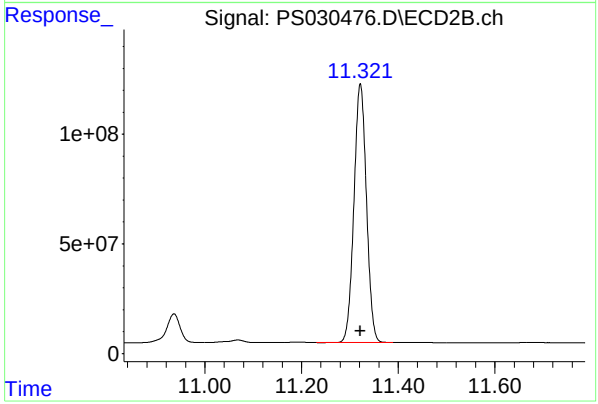
#13 2,4-DB

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



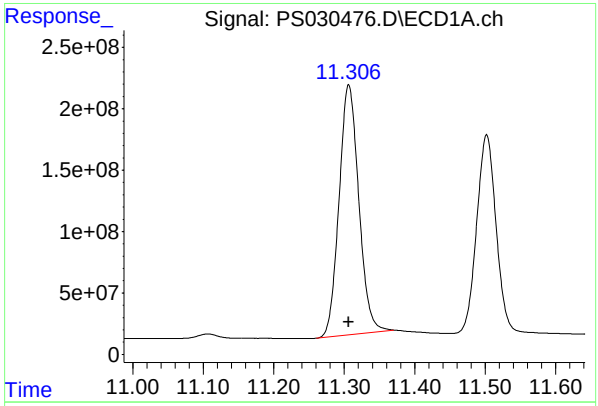
#14 DINOSEB

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



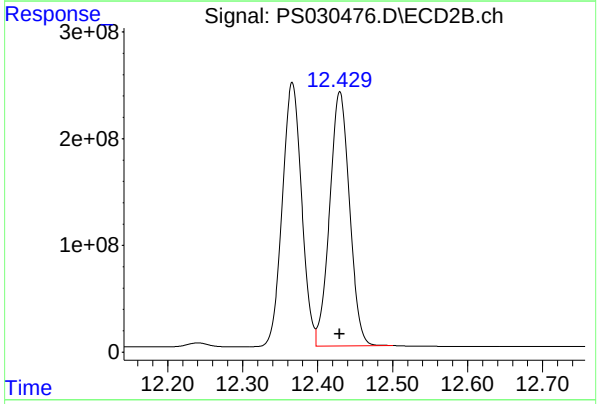
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

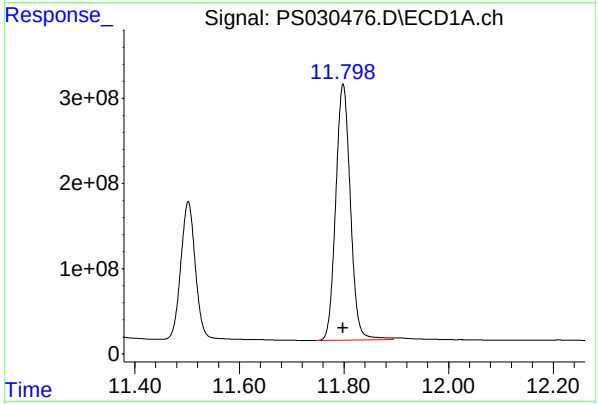
Manual Integrations APPROVED

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



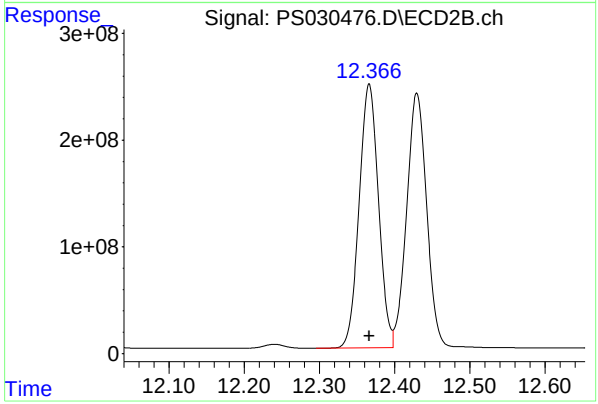
#15 Picloram

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)

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.

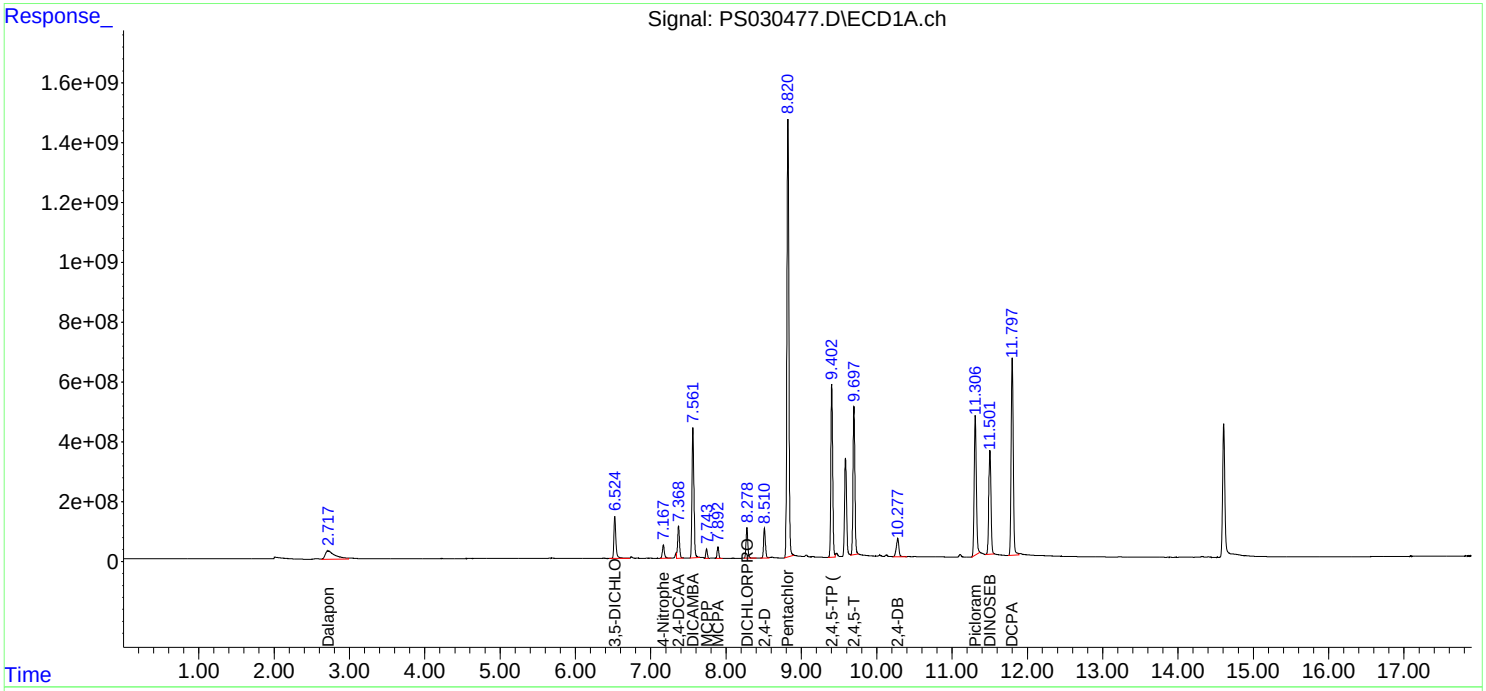
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030477.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:43
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

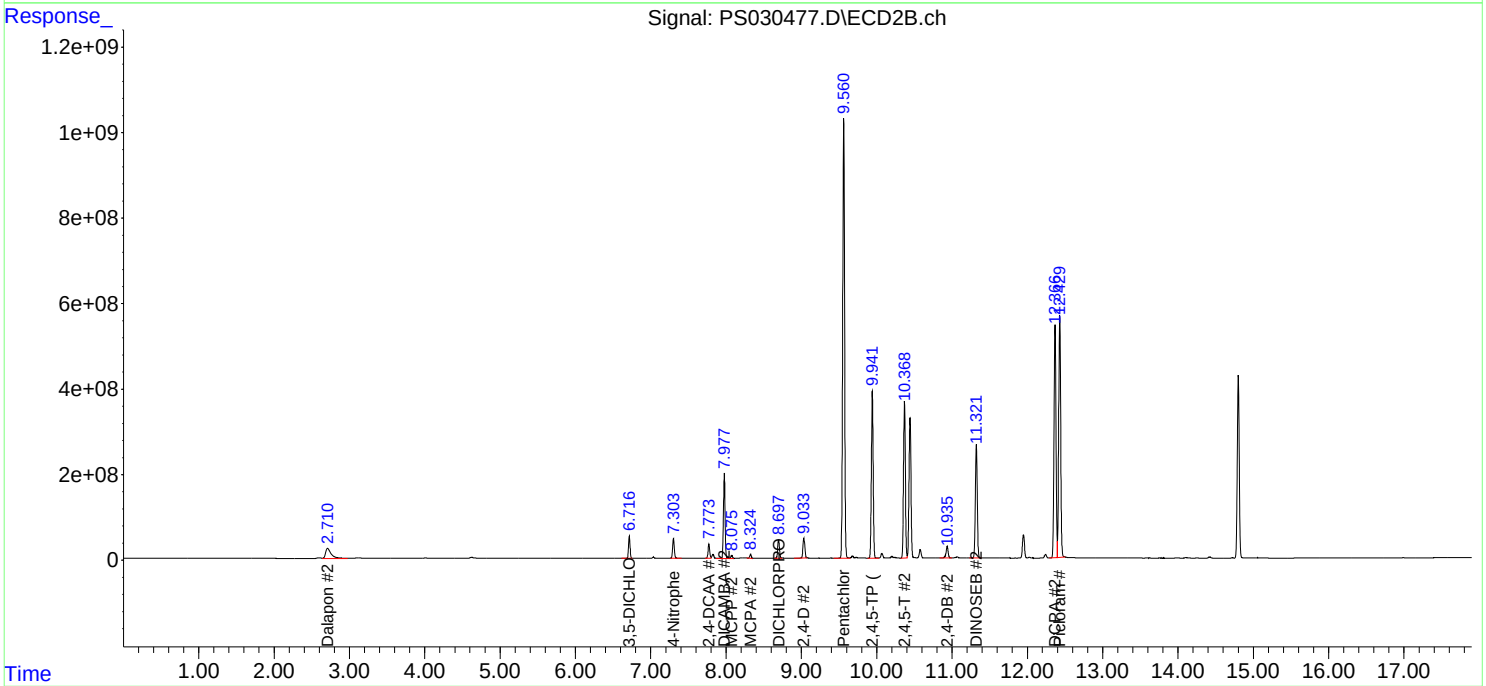
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

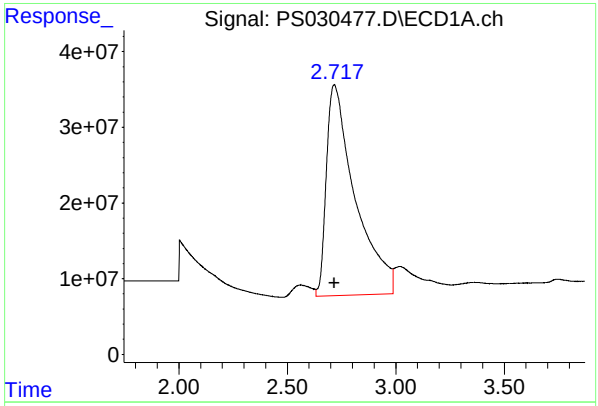
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

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







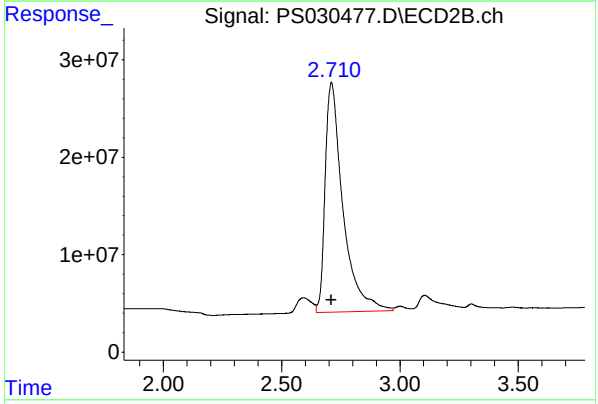
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

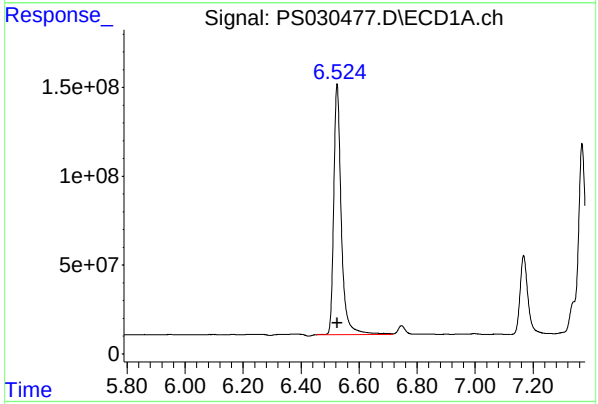
Manual Integrations APPROVED

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



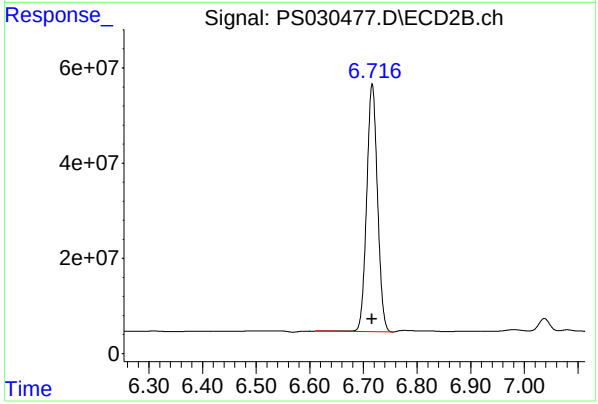
#1 Dalapon

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



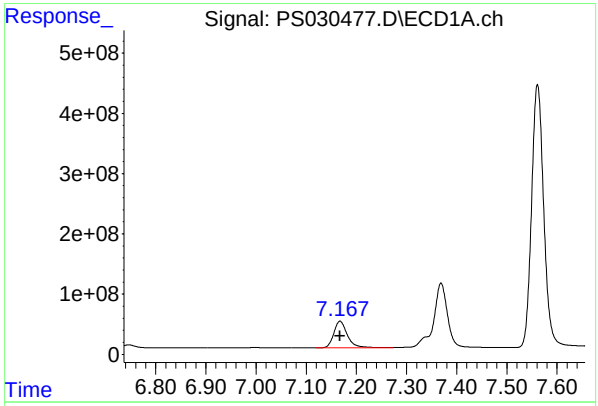
#2 3,5-DICHLOROBENZOIC ACID

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



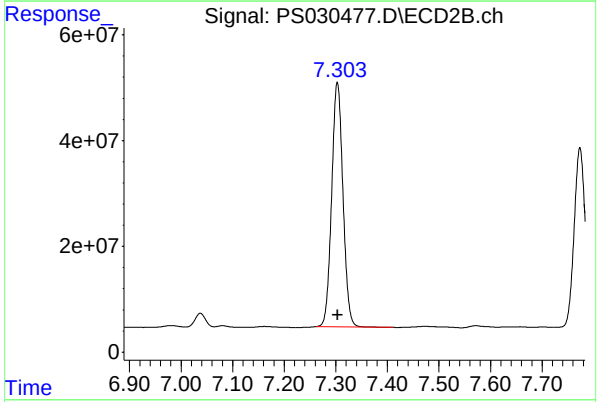
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

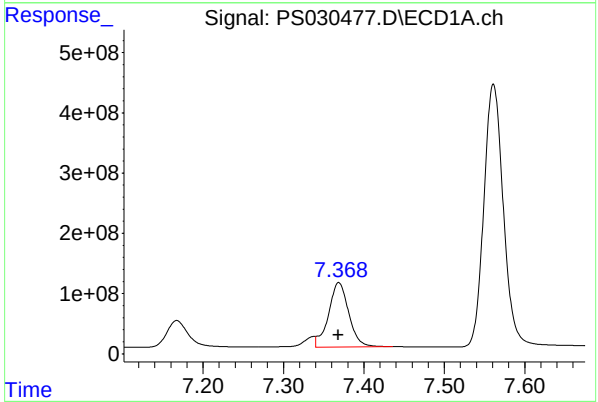
Manual Integrations APPROVED

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



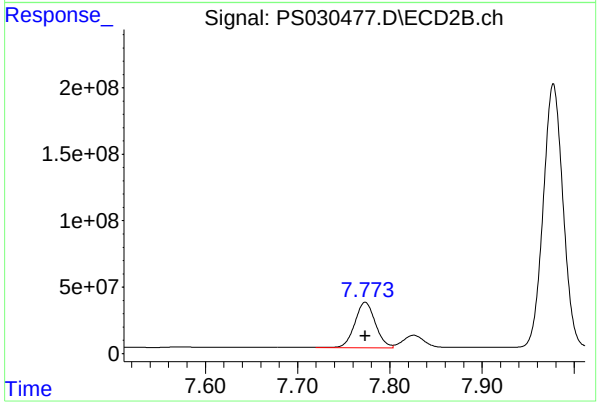
#3 4-Nitrophenol

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



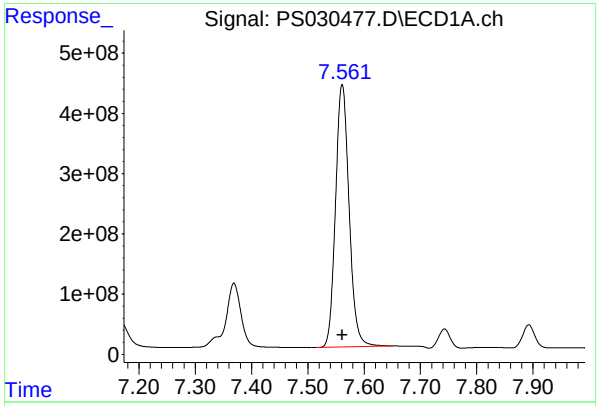
#4 2,4-DCAA

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



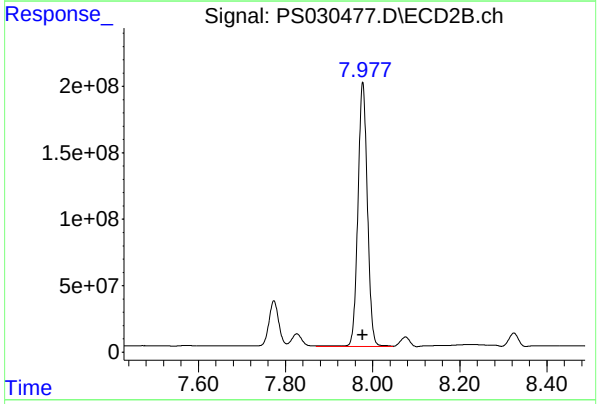
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

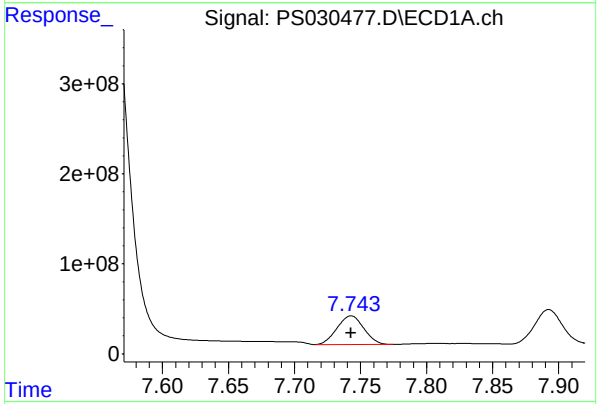
Manual Integrations APPROVED

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



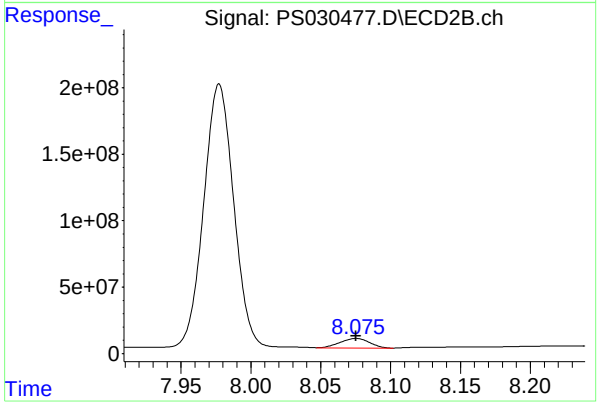
#5 DICAMBA

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



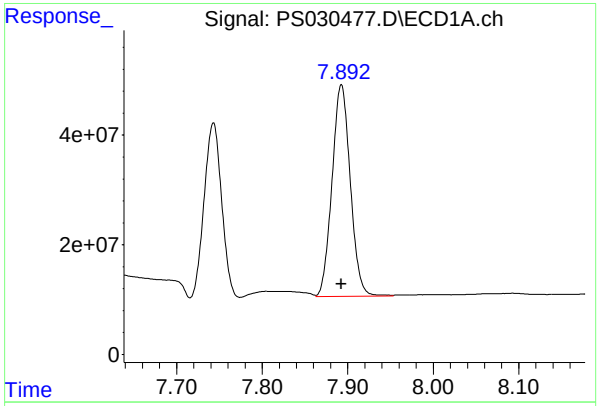
#6 MCPP

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



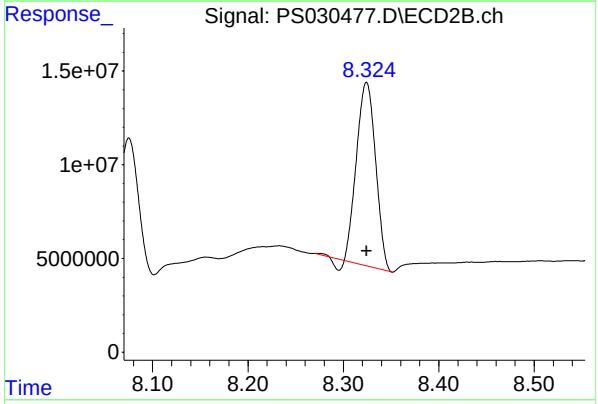
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

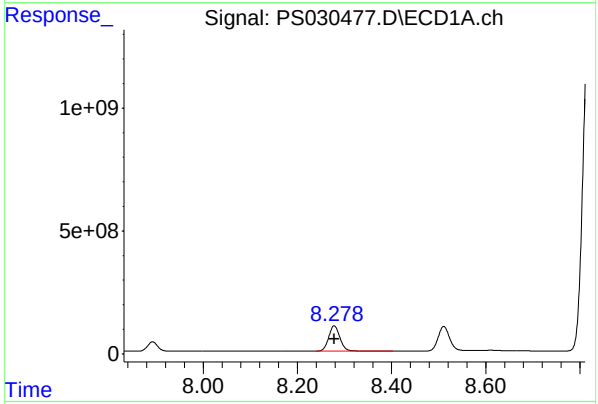
Manual Integrations
APPROVED

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



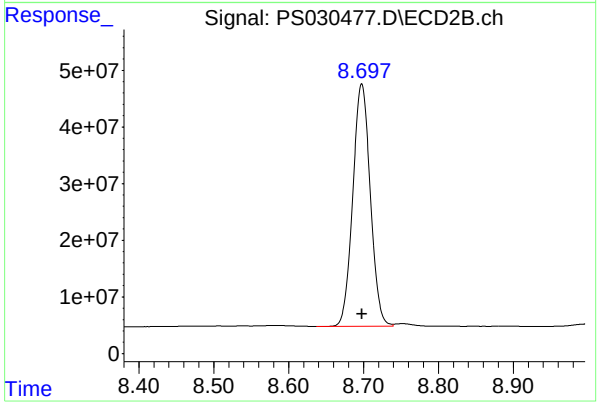
#7 MCPA

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



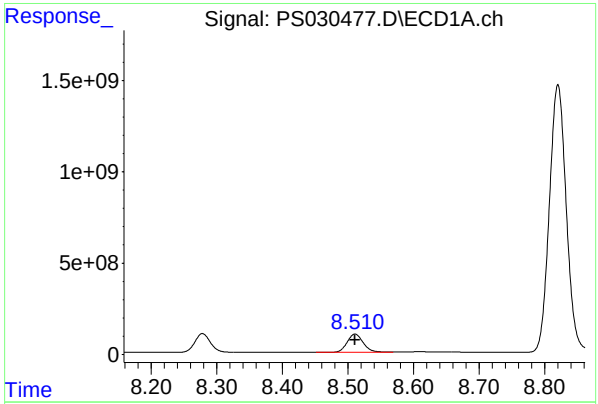
#8 DICHLORPROP

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



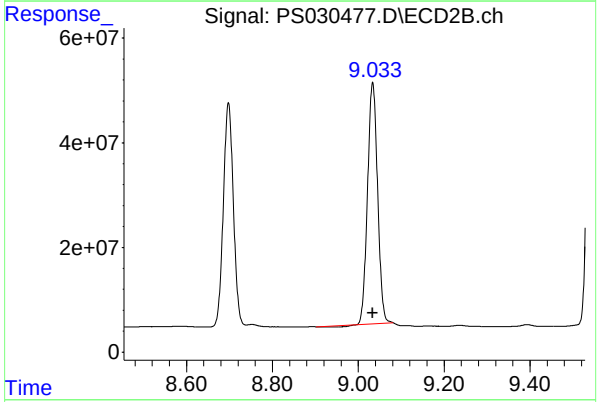
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

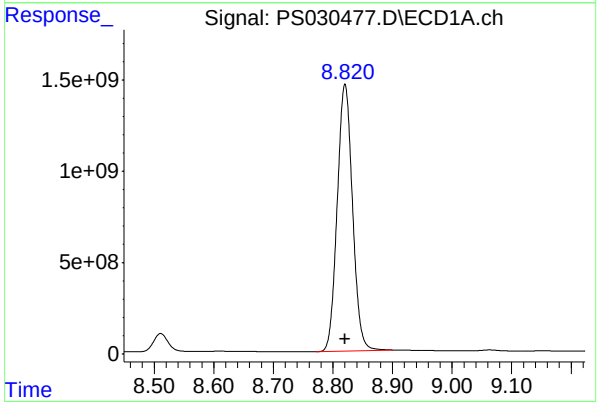
Manual Integrations APPROVED

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



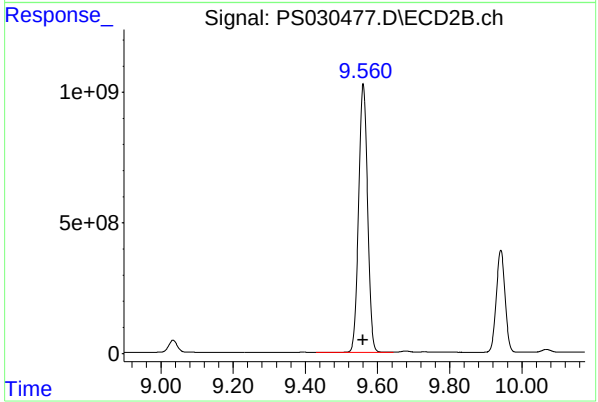
#9 2,4-D

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



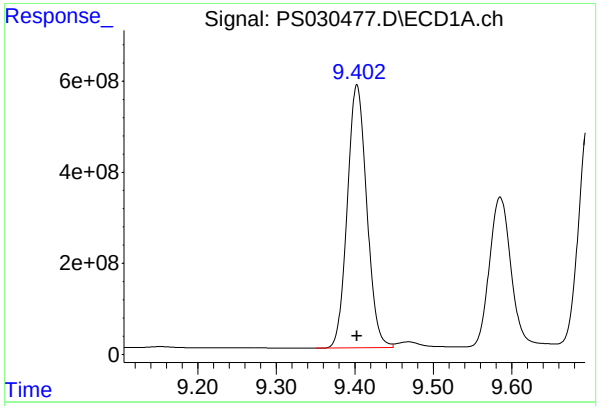
#10 Pentachlorophenol

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



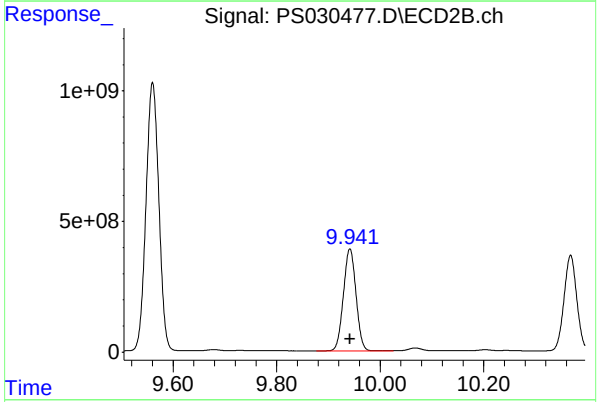
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

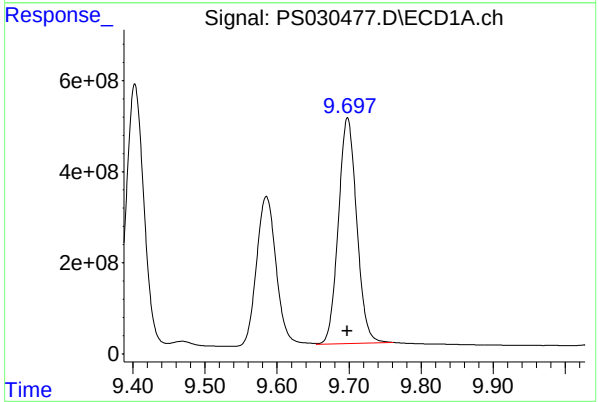
Manual Integrations APPROVED

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



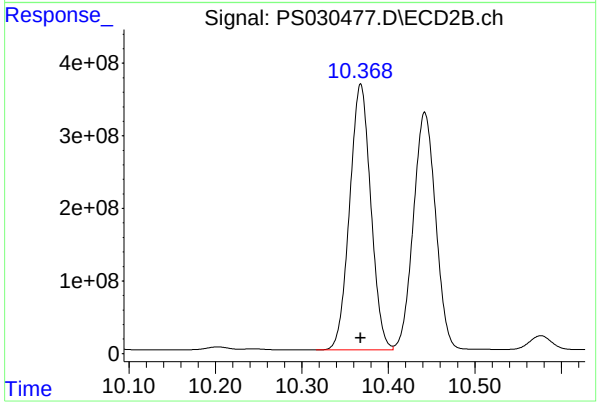
#11 2,4,5-TP (SILVEX)

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



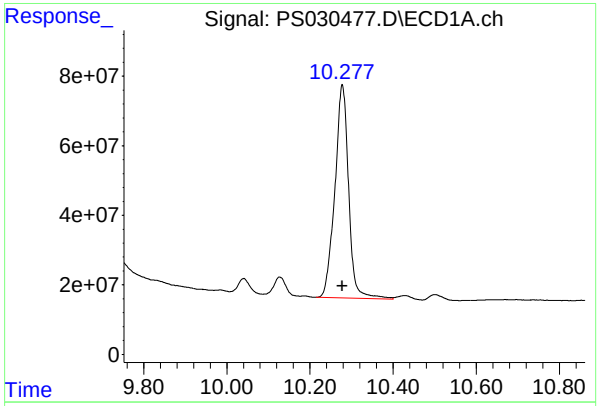
#12 2,4,5-T

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



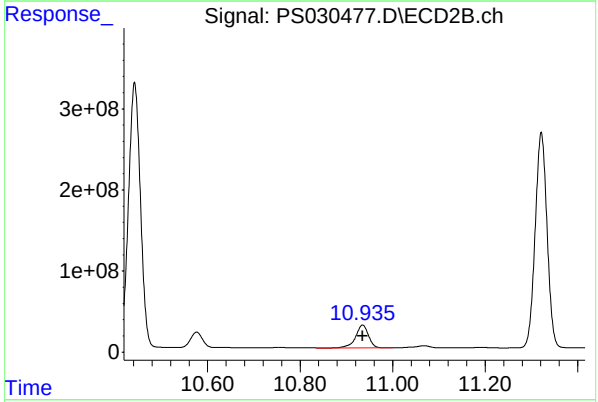
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

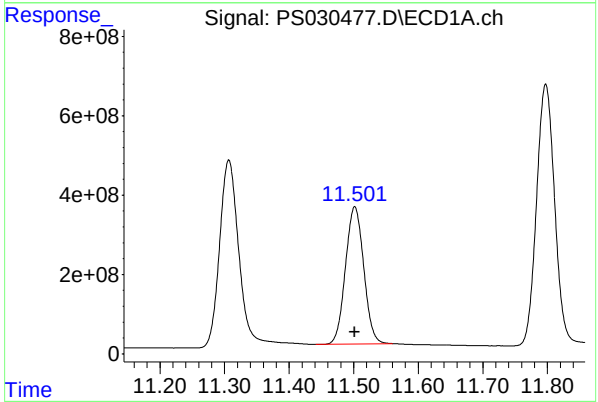
Manual Integrations APPROVED

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



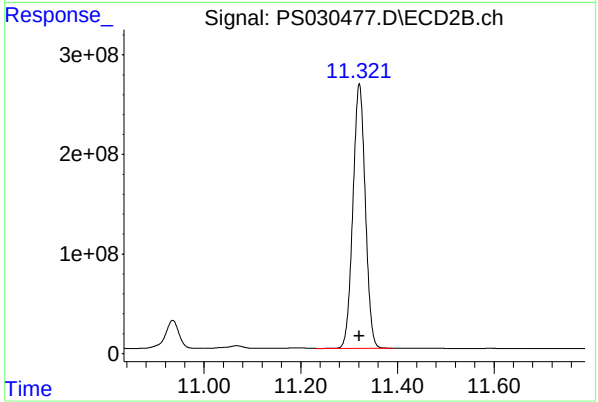
#13 2,4-DB

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



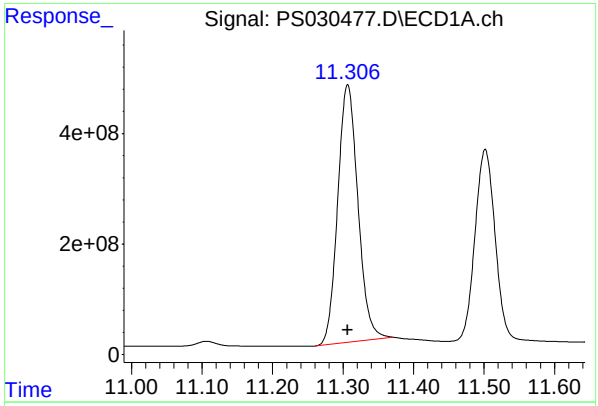
#14 DINOSEB

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



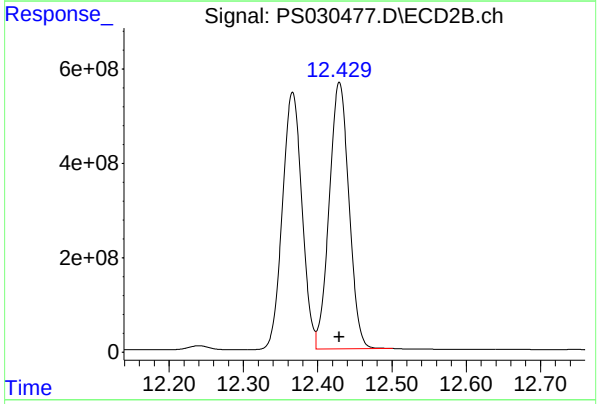
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

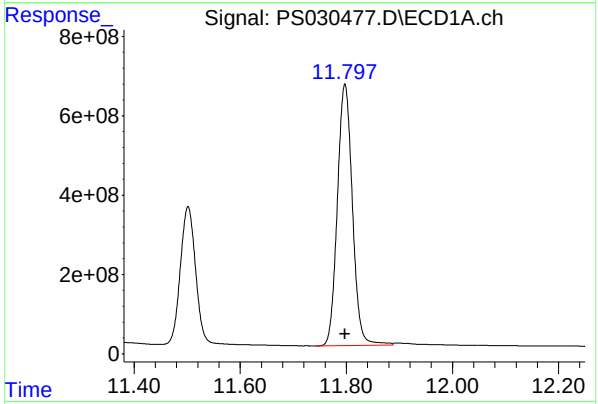
Manual Integrations APPROVED

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



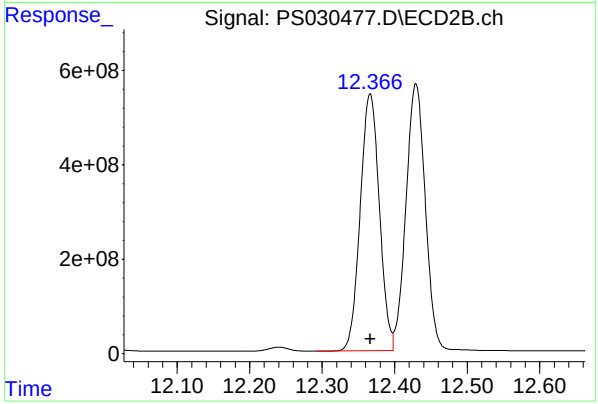
#15 Picloram

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

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.

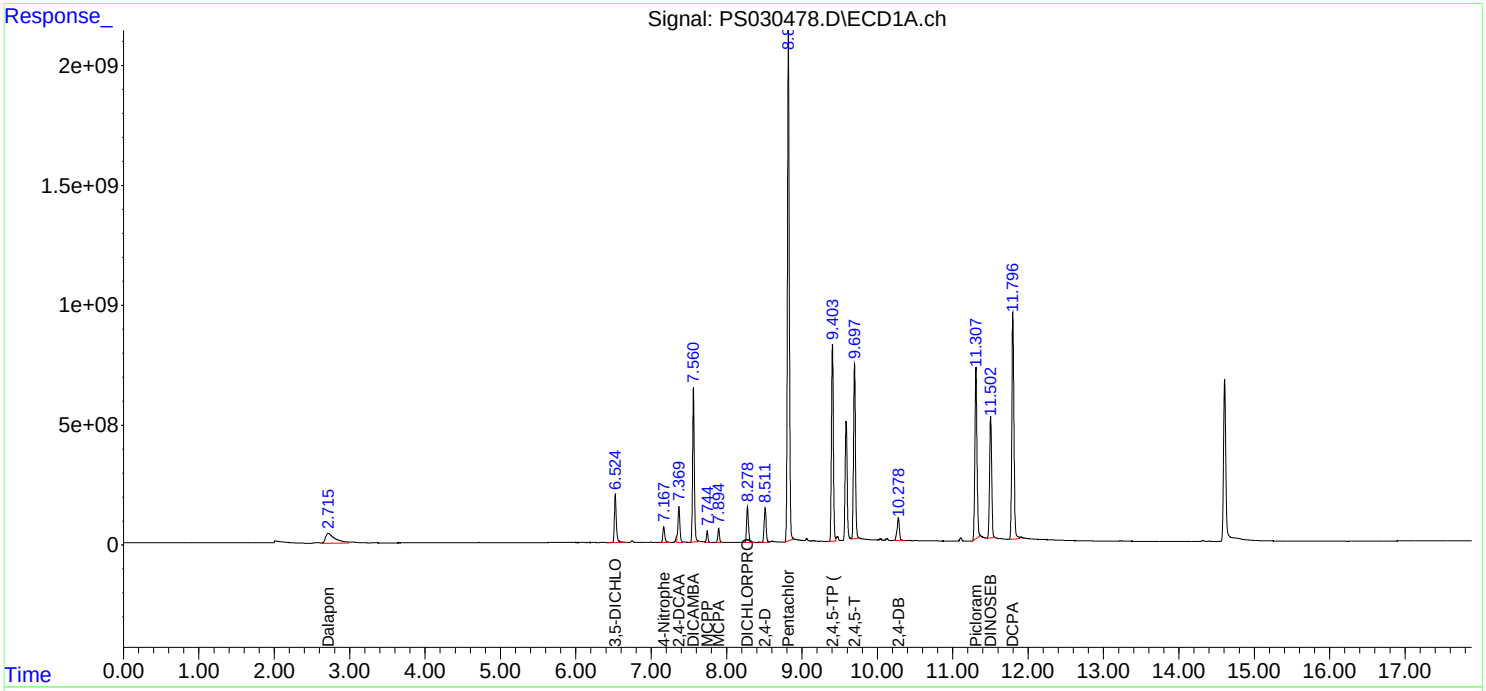
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030478.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:07
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

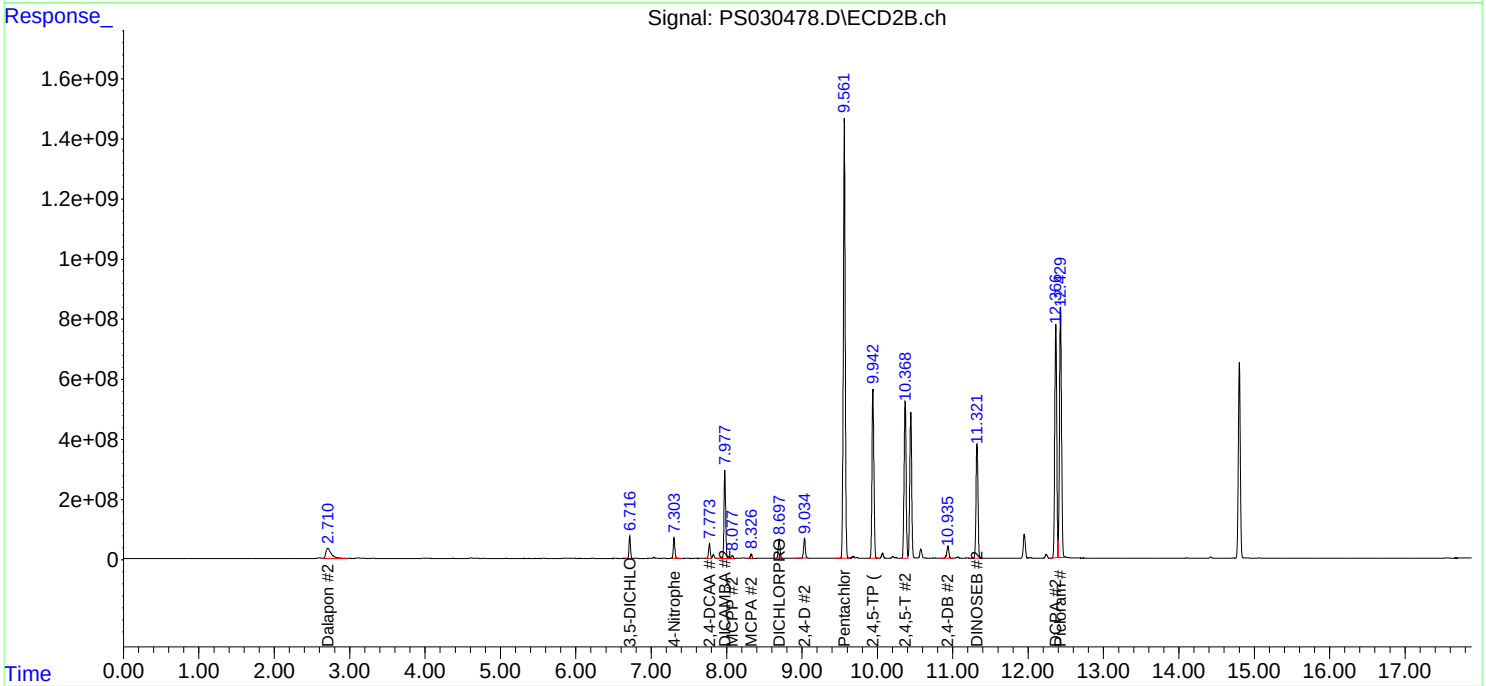
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

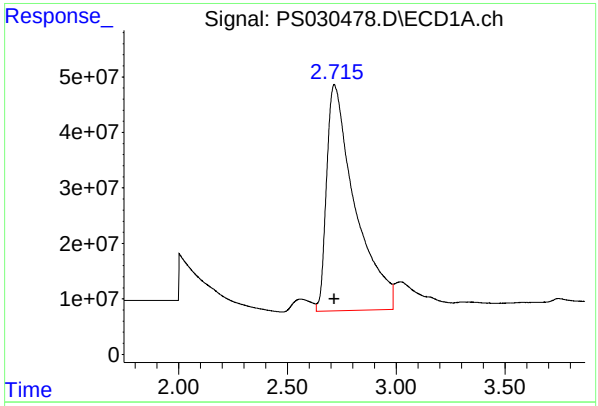
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

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







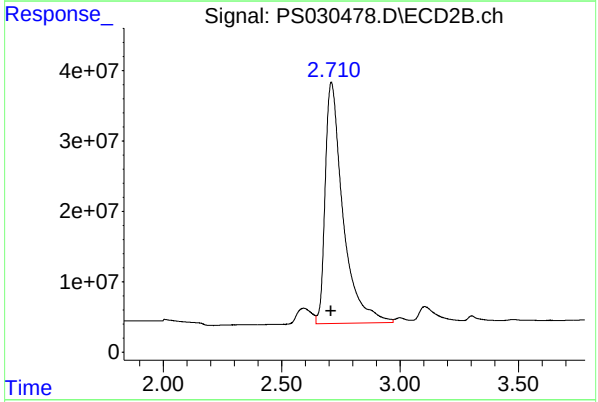
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

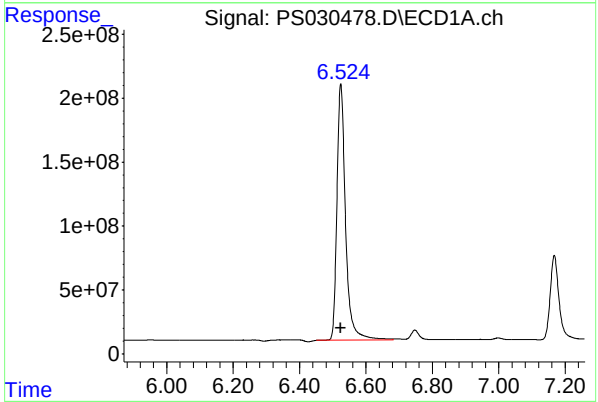
Manual Integrations APPROVED

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



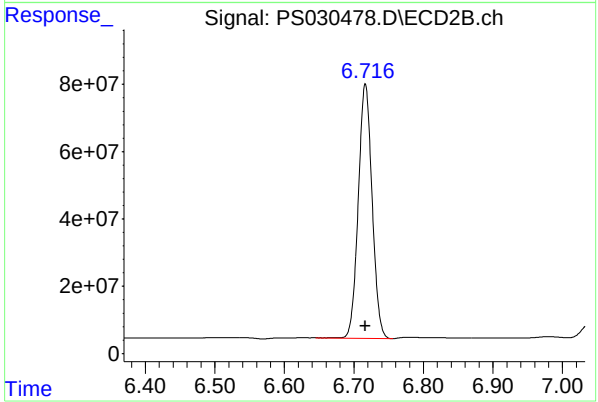
#1 Dalapon

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



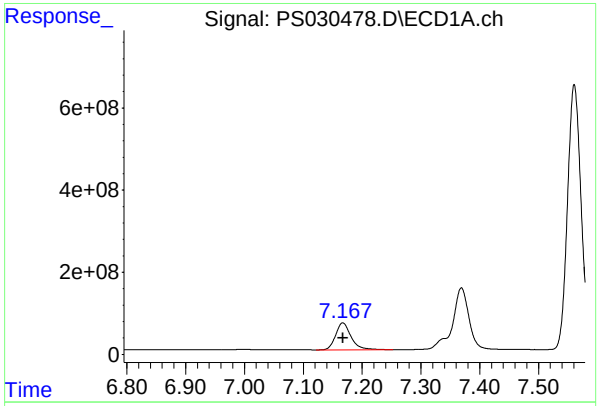
#2 3,5-DICHLOROBENZOIC ACID

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



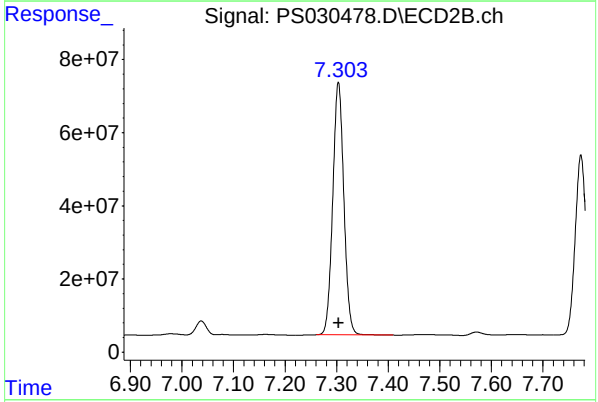
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

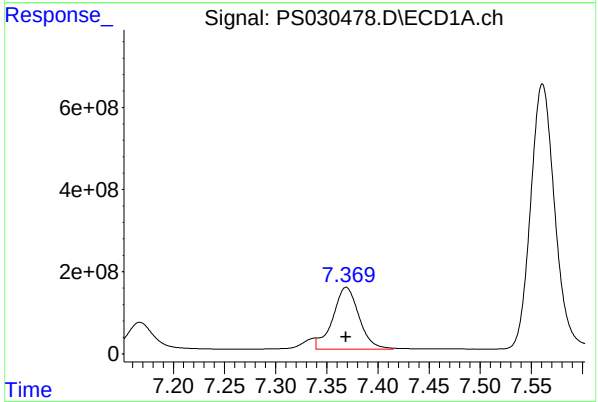
Manual Integrations
APPROVED

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



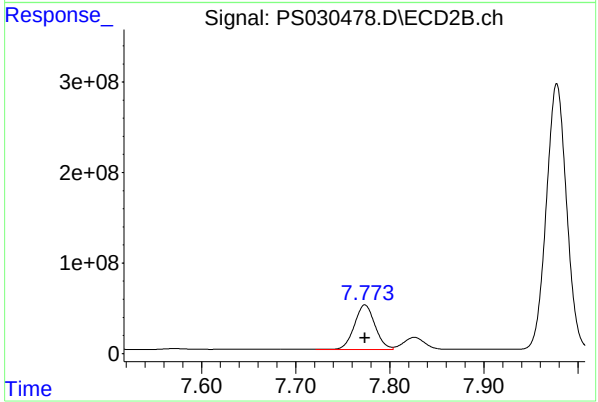
#3 4-Nitrophenol

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



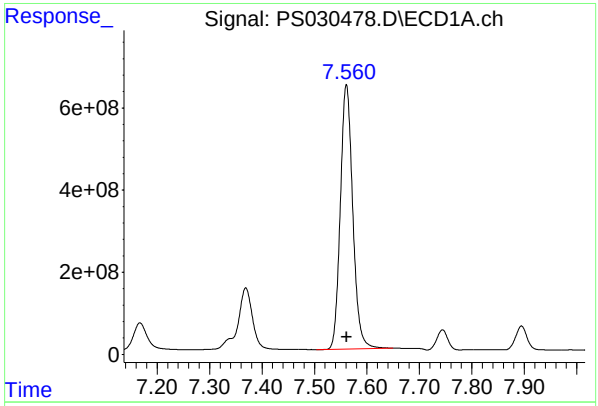
#4 2,4-DCAA

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



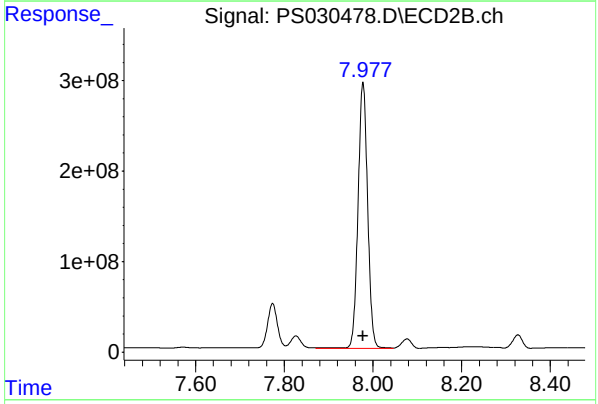
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

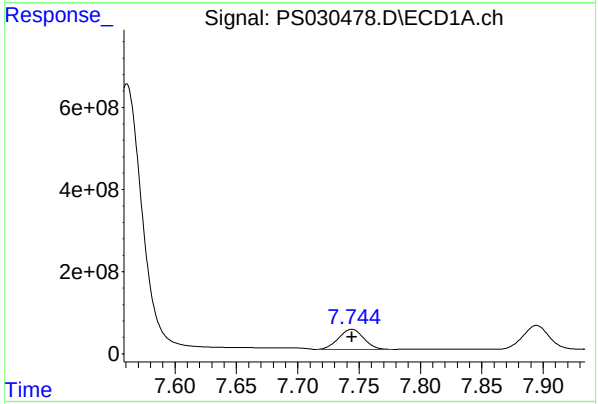
Manual Integrations APPROVED

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



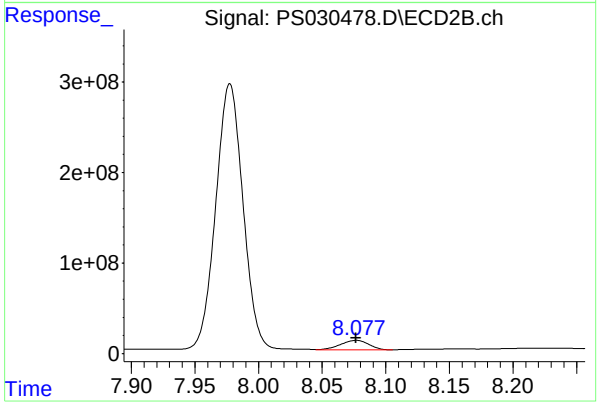
#5 DICAMBA

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



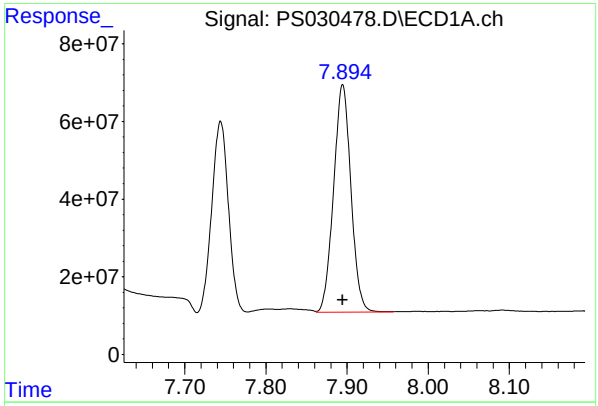
#6 MCPP

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



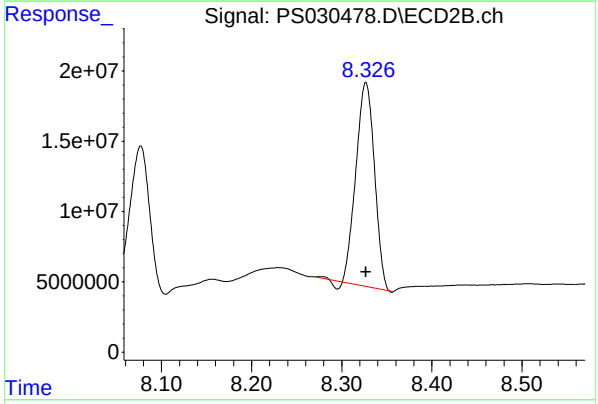
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

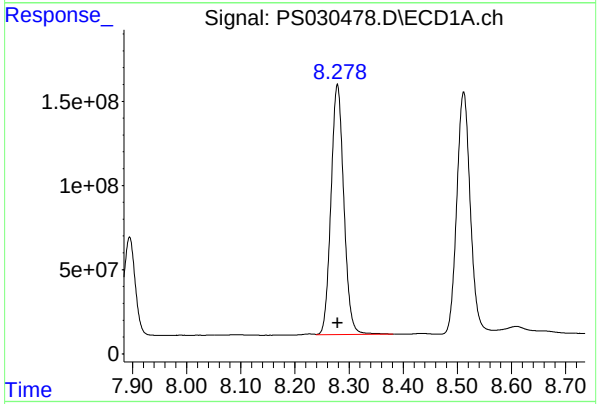
Manual Integrations APPROVED

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



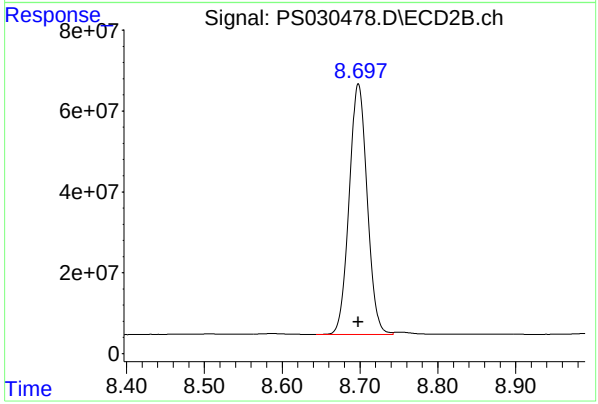
#7 MCPA

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



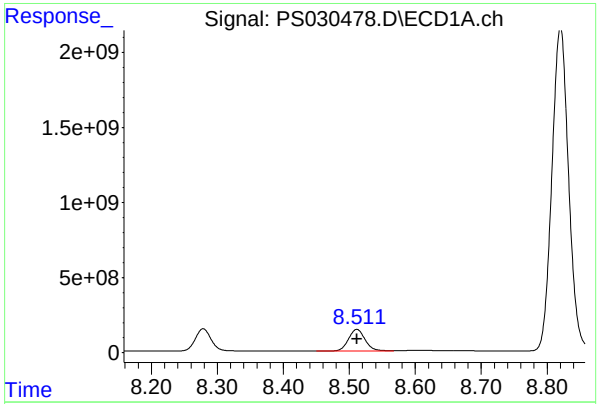
#8 DICHLORPROP

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



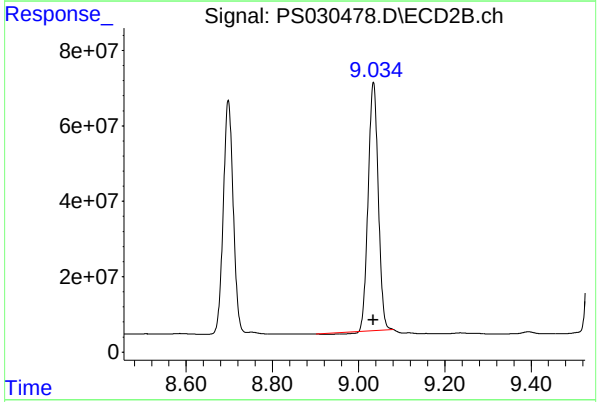
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

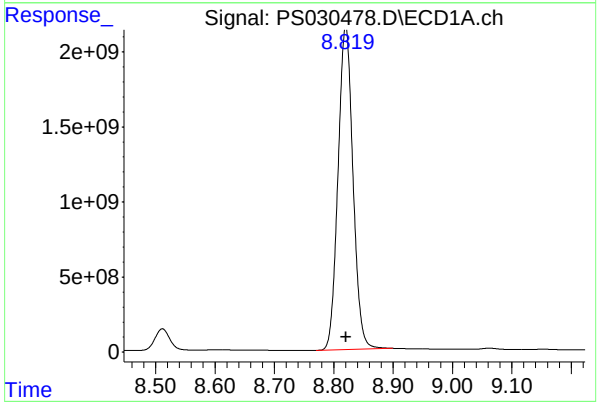
Manual Integrations APPROVED

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



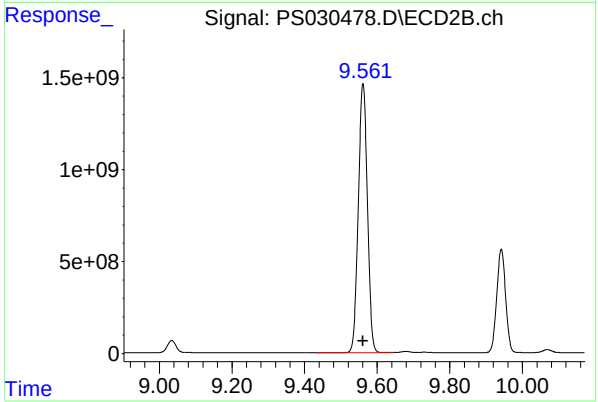
#9 2,4-D

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



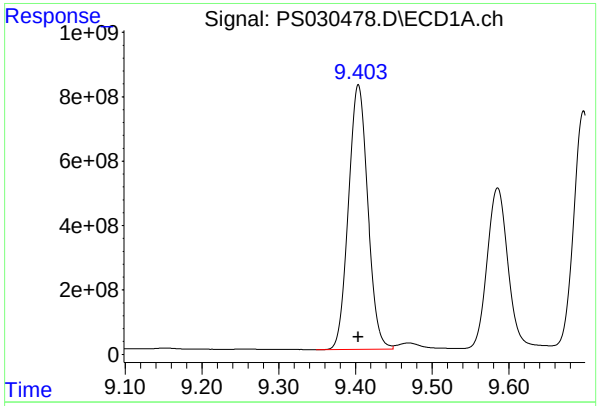
#10 Pentachlorophenol

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



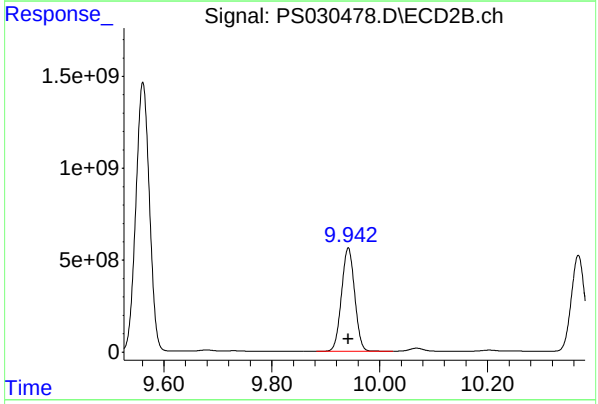
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

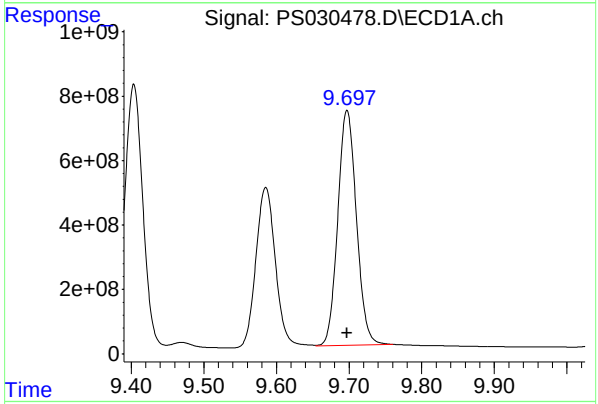
Manual Integrations APPROVED

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



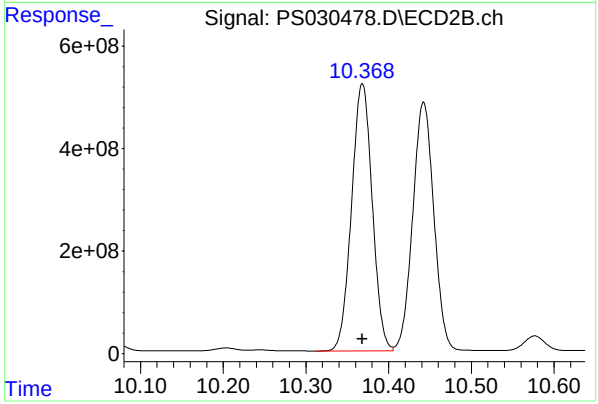
#11 2,4,5-TP (SILVEX)

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



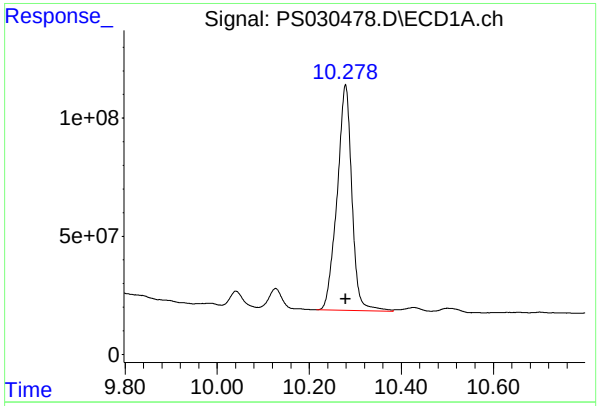
#12 2,4,5-T

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



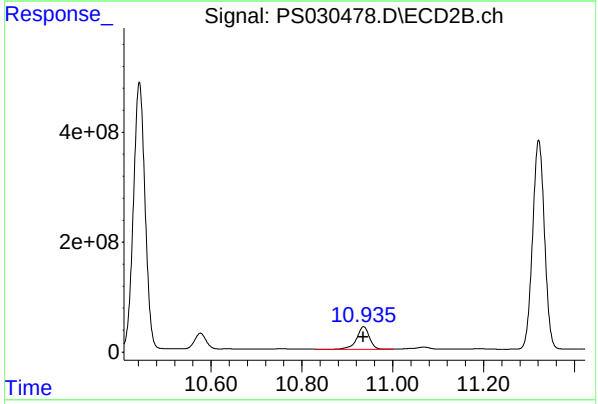
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

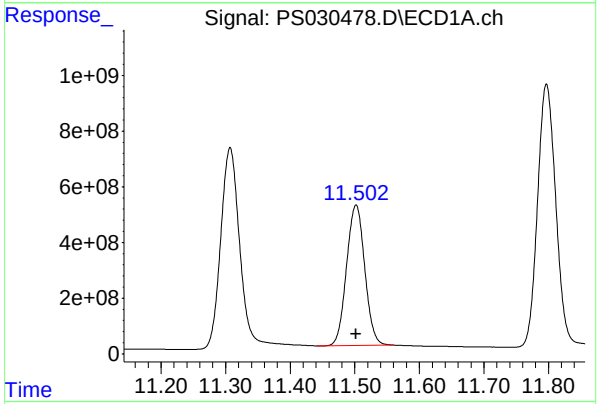
Manual Integrations
APPROVED

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



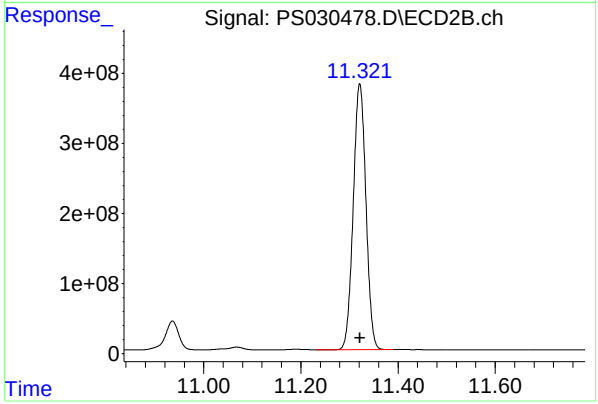
#13 2,4-DB

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



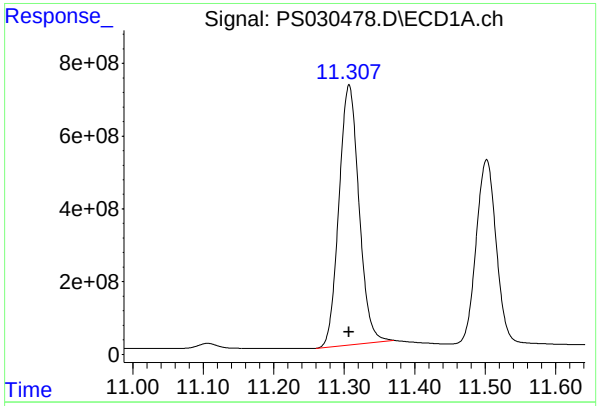
#14 DINOSEB

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



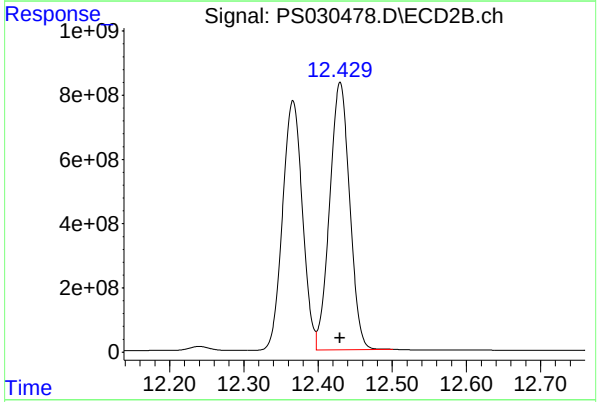
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

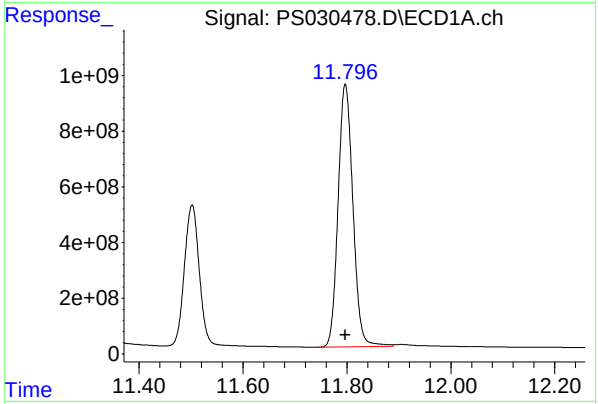
Manual Integrations APPROVED

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



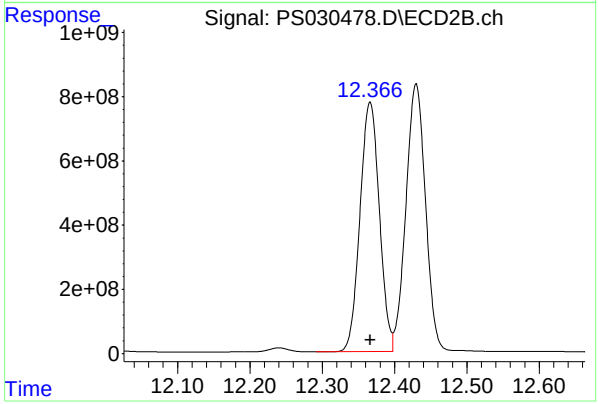
#15 Picloram

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)

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.

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

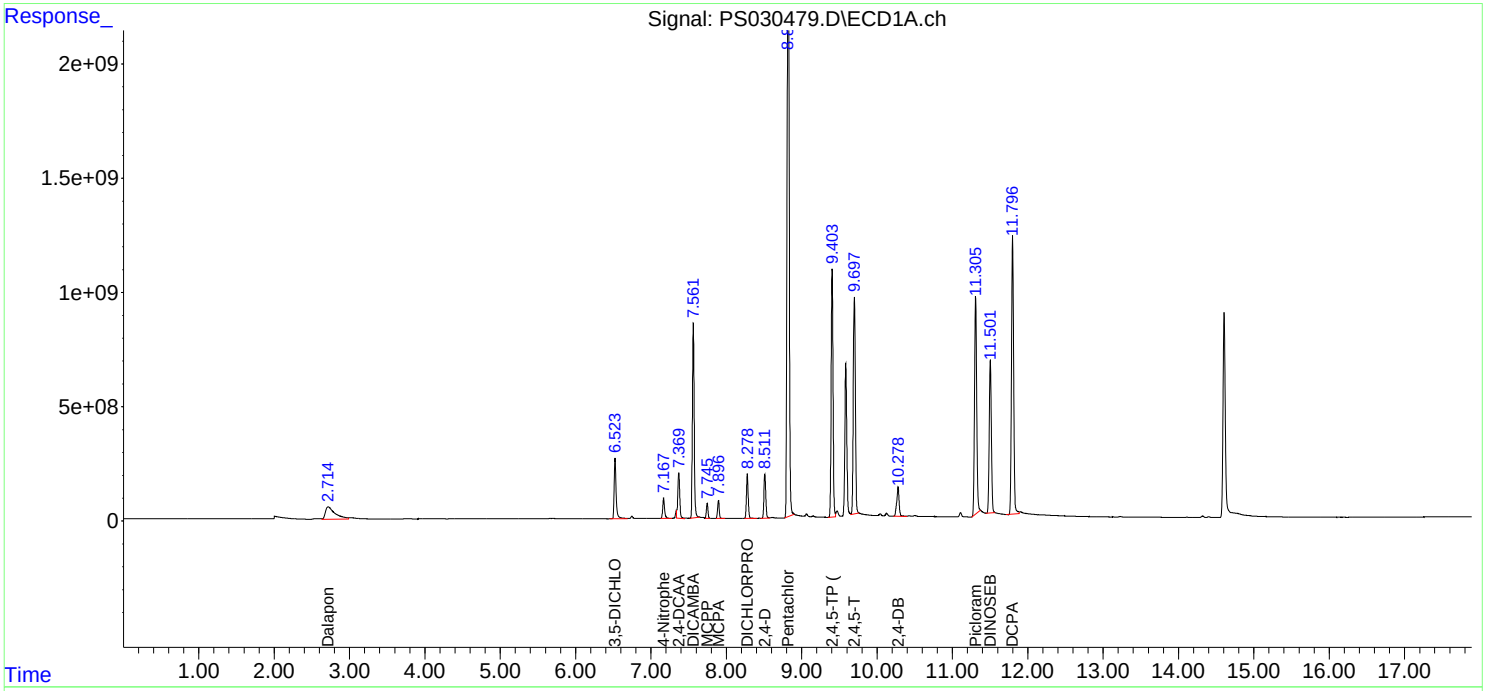
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

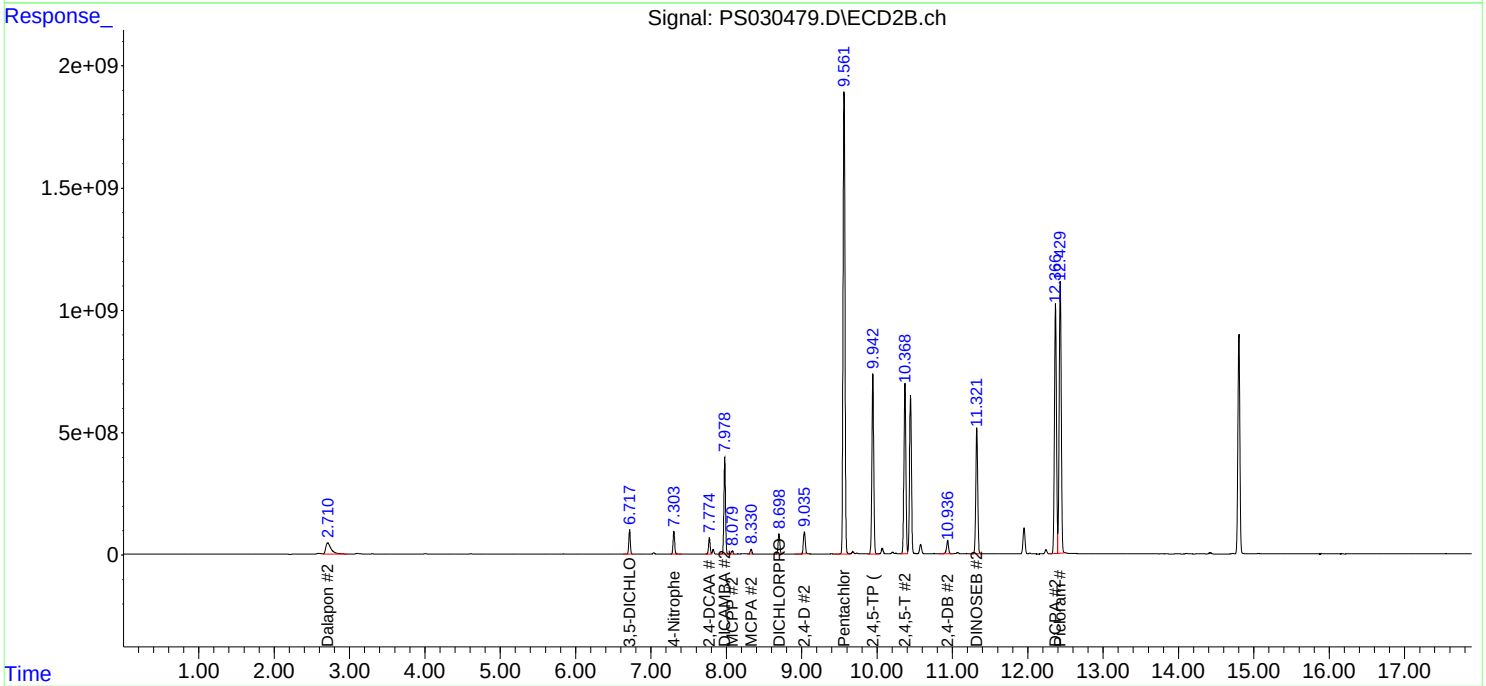
Manual Integrations APPROVED

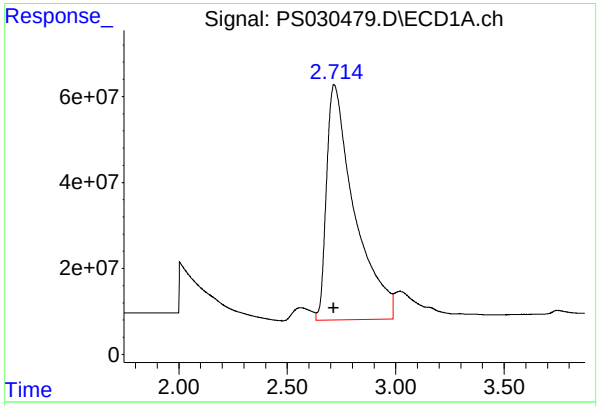
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

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







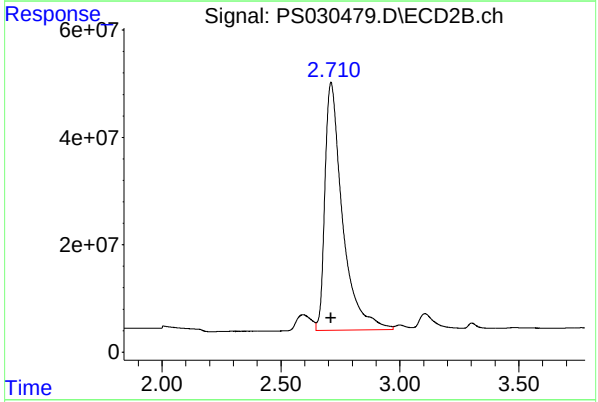
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

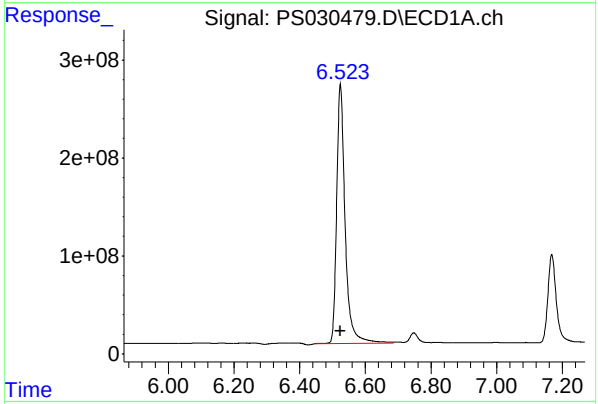
Manual Integrations
APPROVED

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



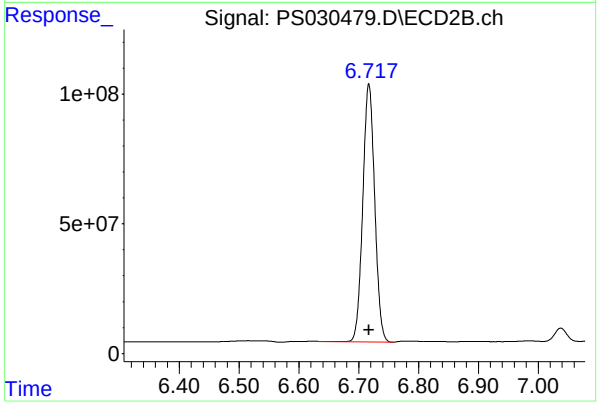
#1 Dalapon

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



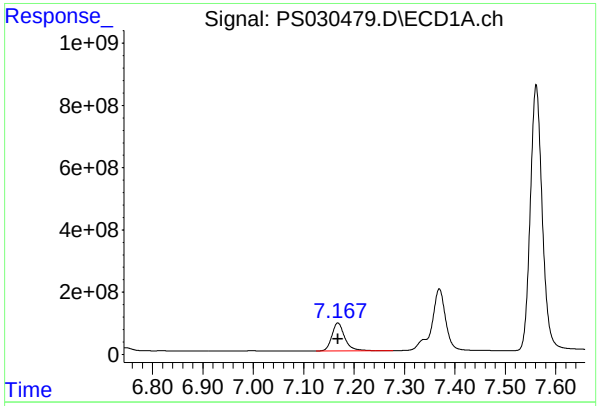
#2 3,5-DICHLOROBENZOIC ACID

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



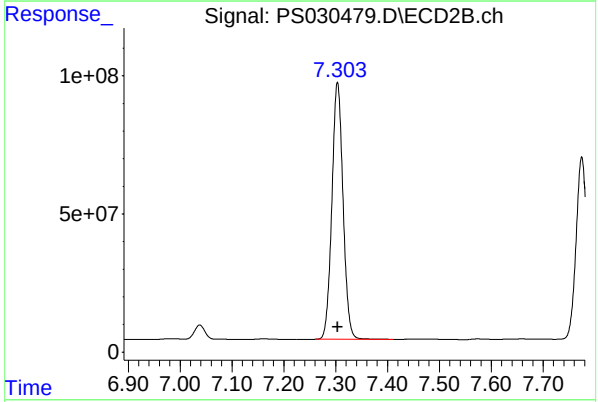
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

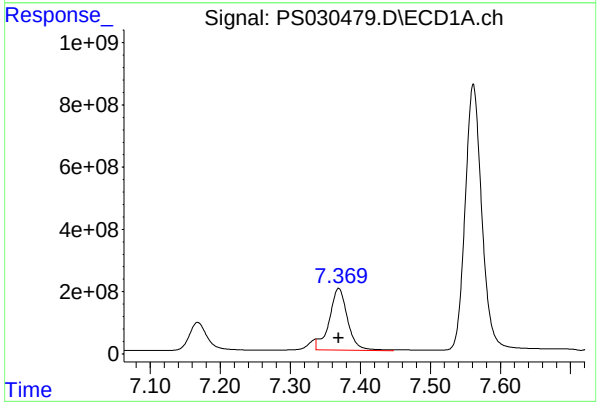
Manual Integrations APPROVED

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



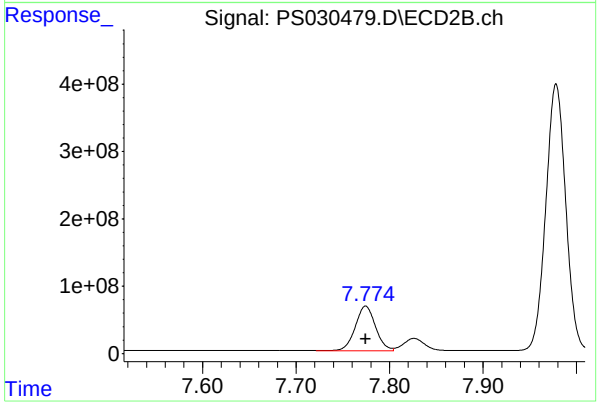
#3 4-Nitrophenol

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



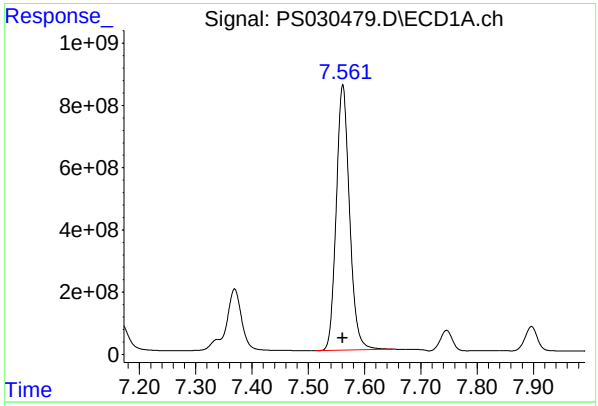
#4 2,4-DCAA

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



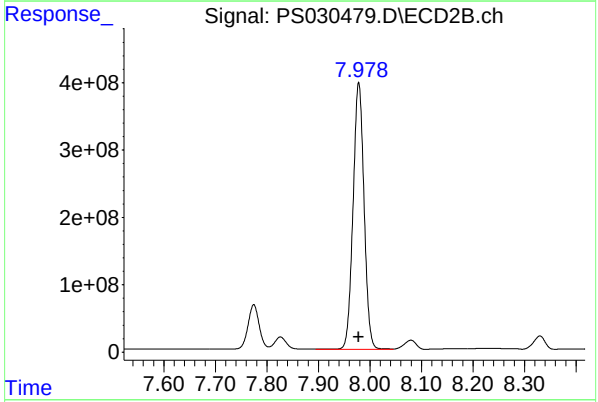
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

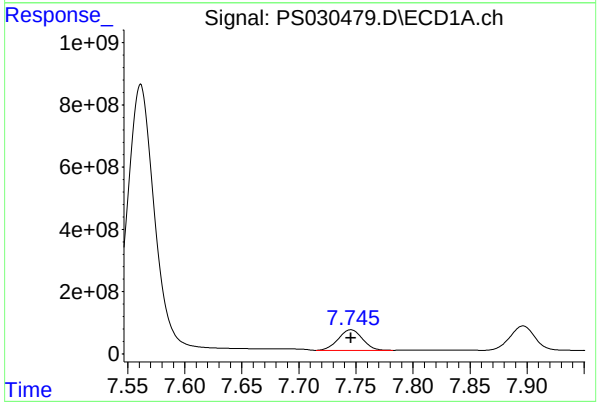
Manual Integrations APPROVED

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



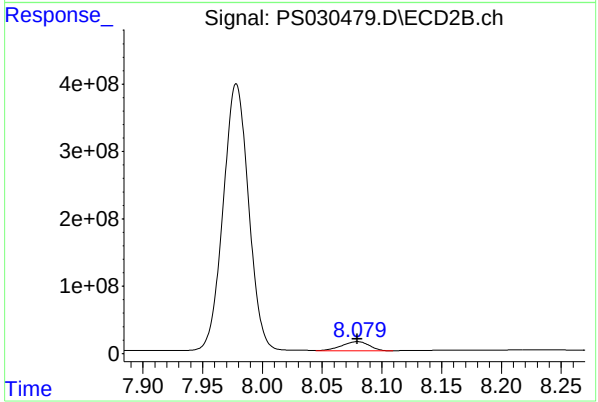
#5 DICAMBA

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



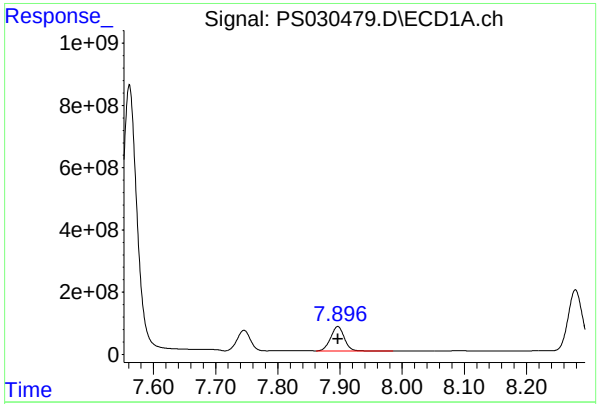
#6 MCPP

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



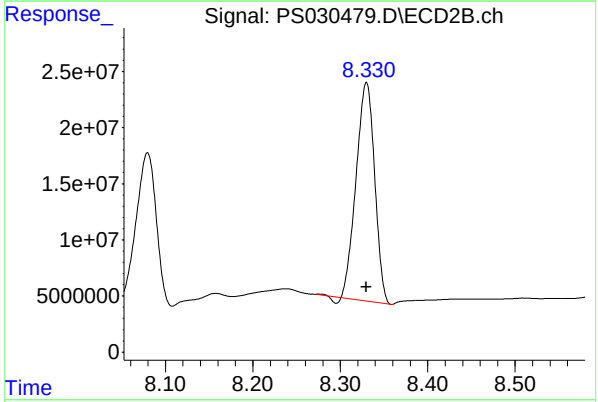
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

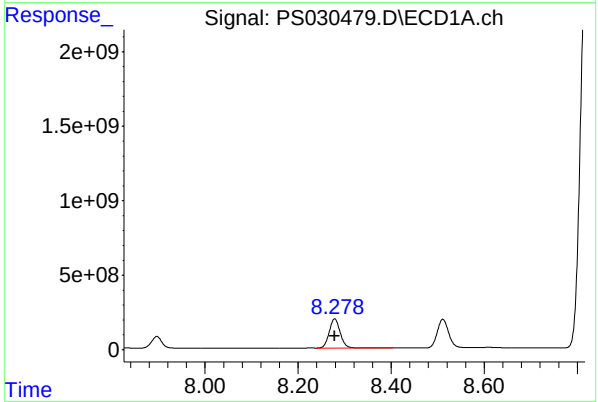
Manual Integrations APPROVED

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



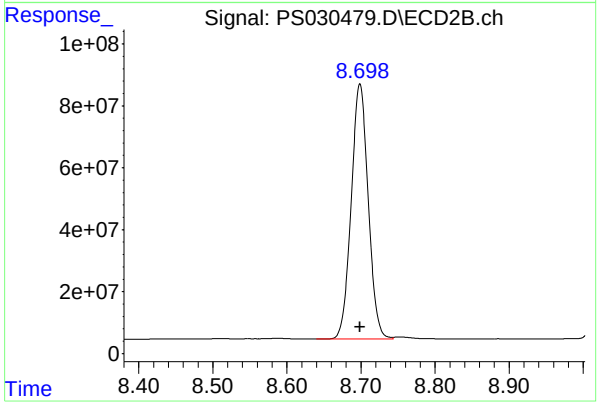
#7 MCPA

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



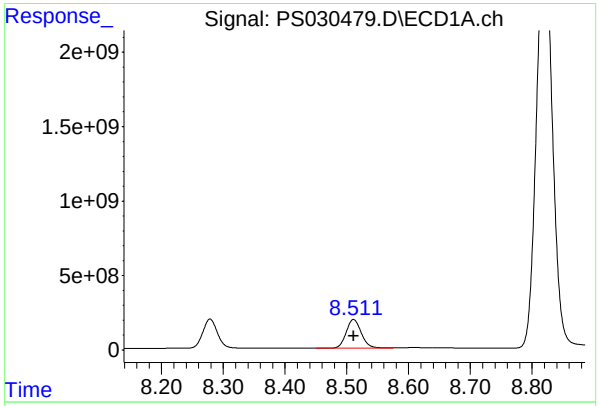
#8 DICHLORPROP

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



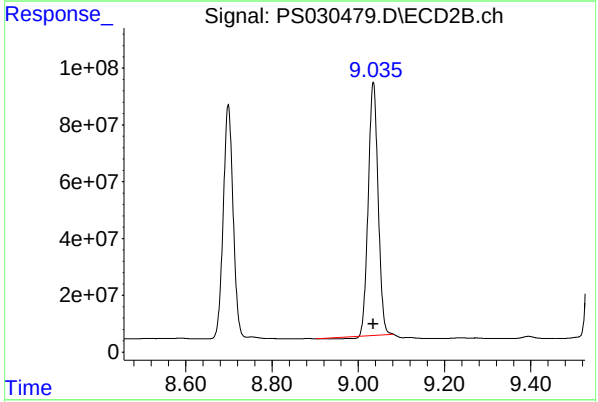
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

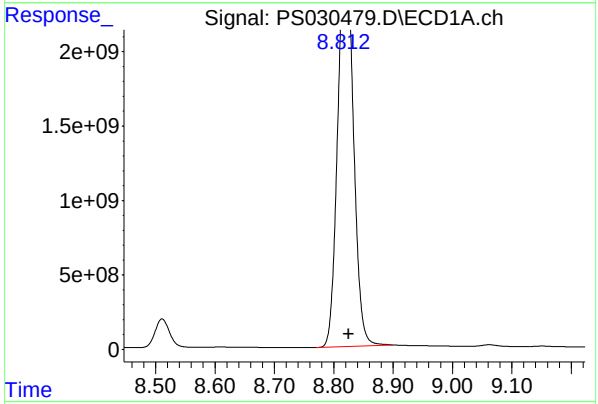
Manual Integrations APPROVED

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



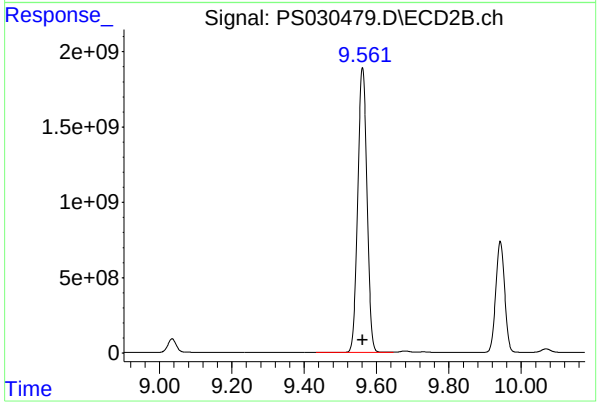
#9 2,4-D

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



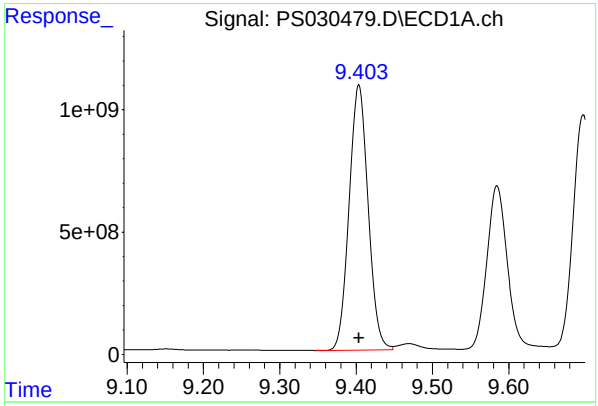
#10 Pentachlorophenol

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



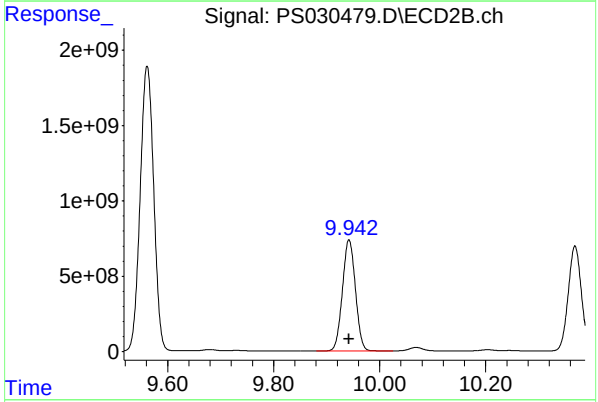
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

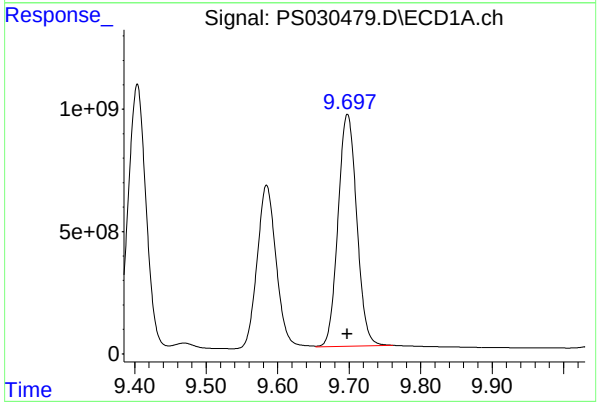
Manual Integrations APPROVED

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



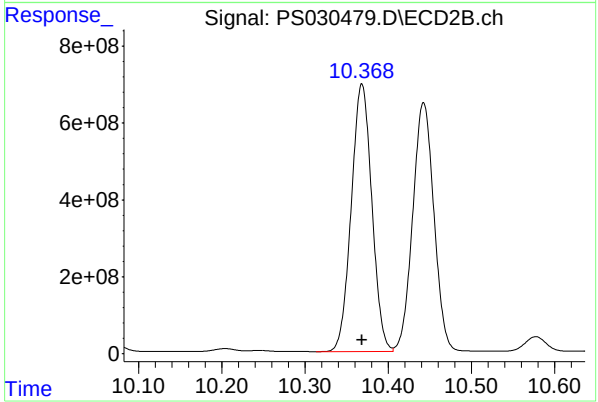
#11 2,4,5-TP (SILVEX)

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



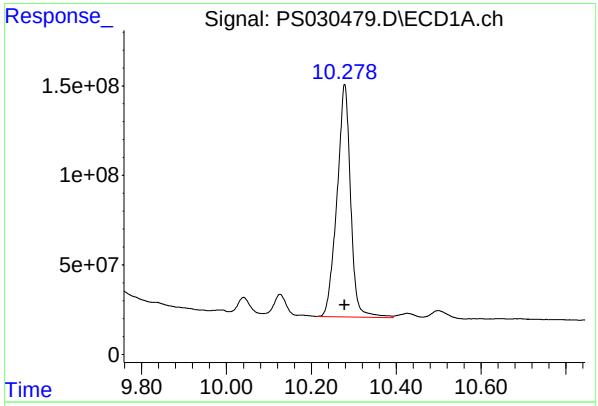
#12 2,4,5-T

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



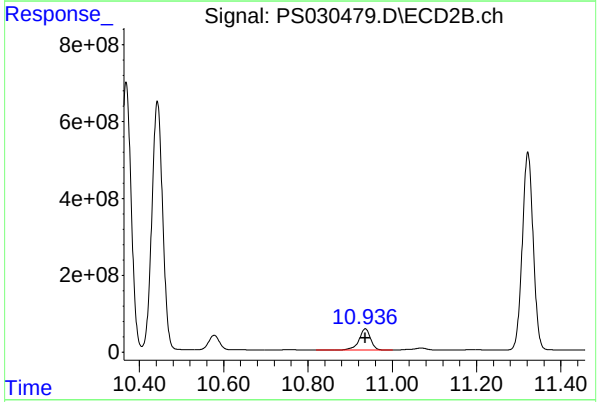
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

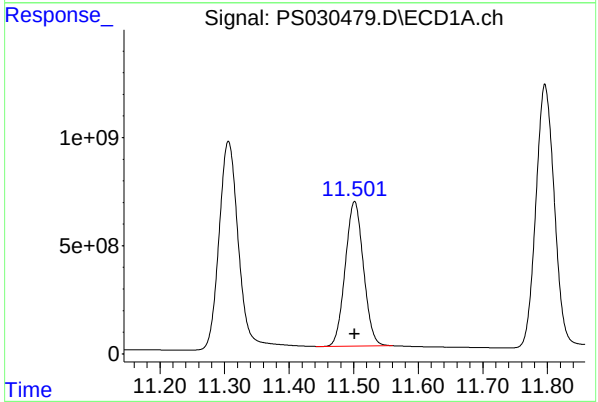
Manual Integrations APPROVED

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



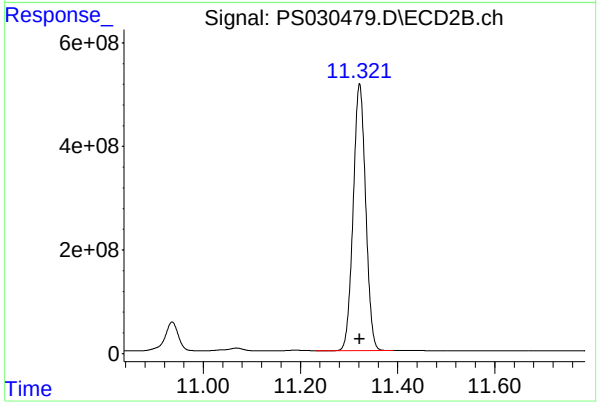
#13 2,4-DB

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



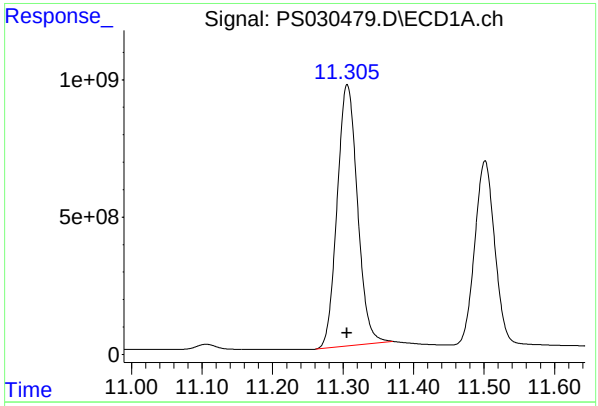
#14 DINOSEB

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



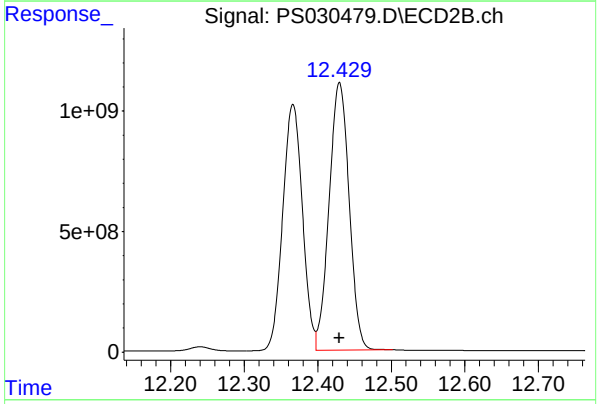
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

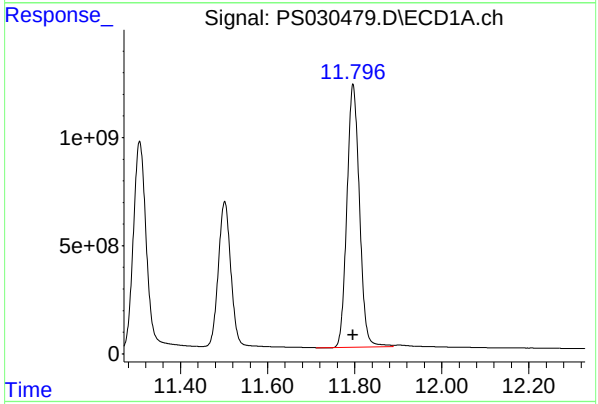
Manual Integrations APPROVED

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



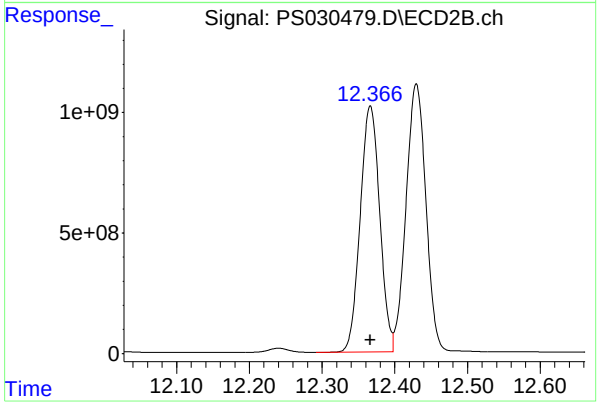
#15 Picloram

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)

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.

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

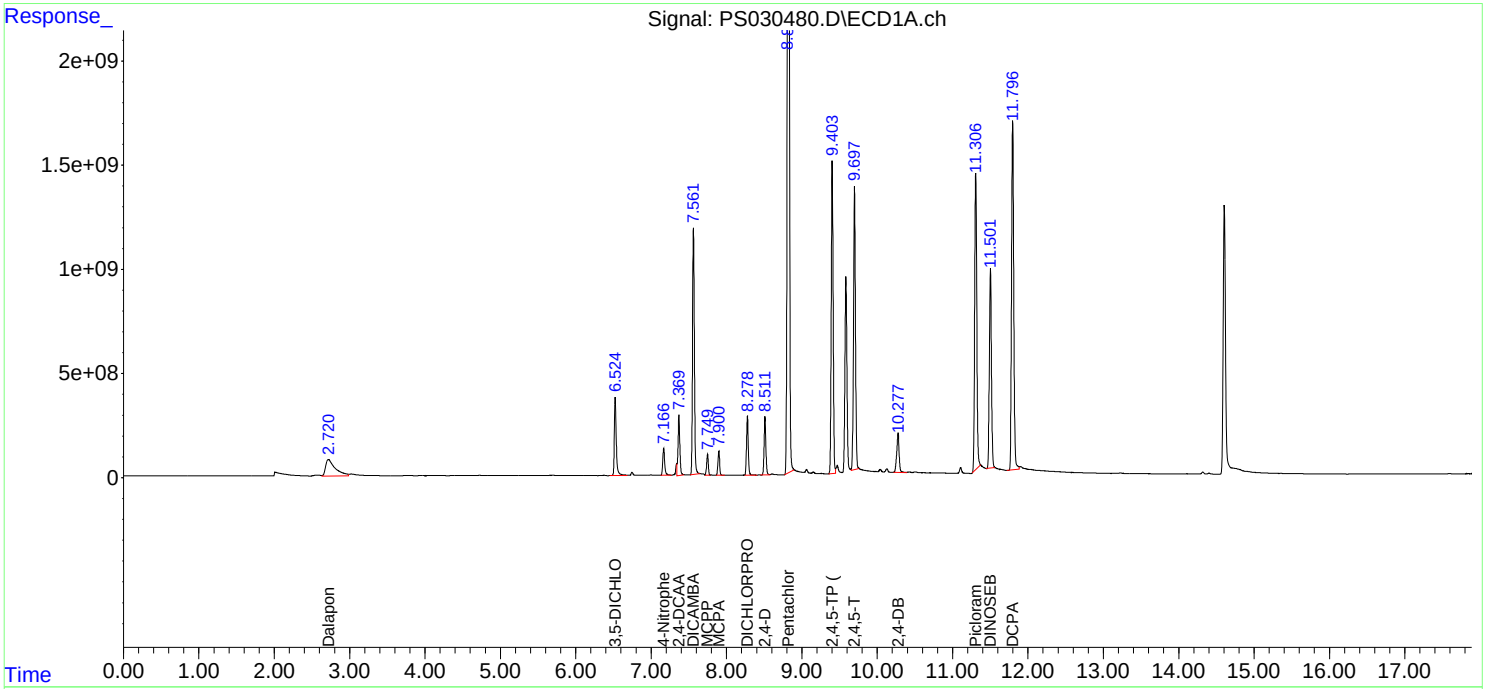
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

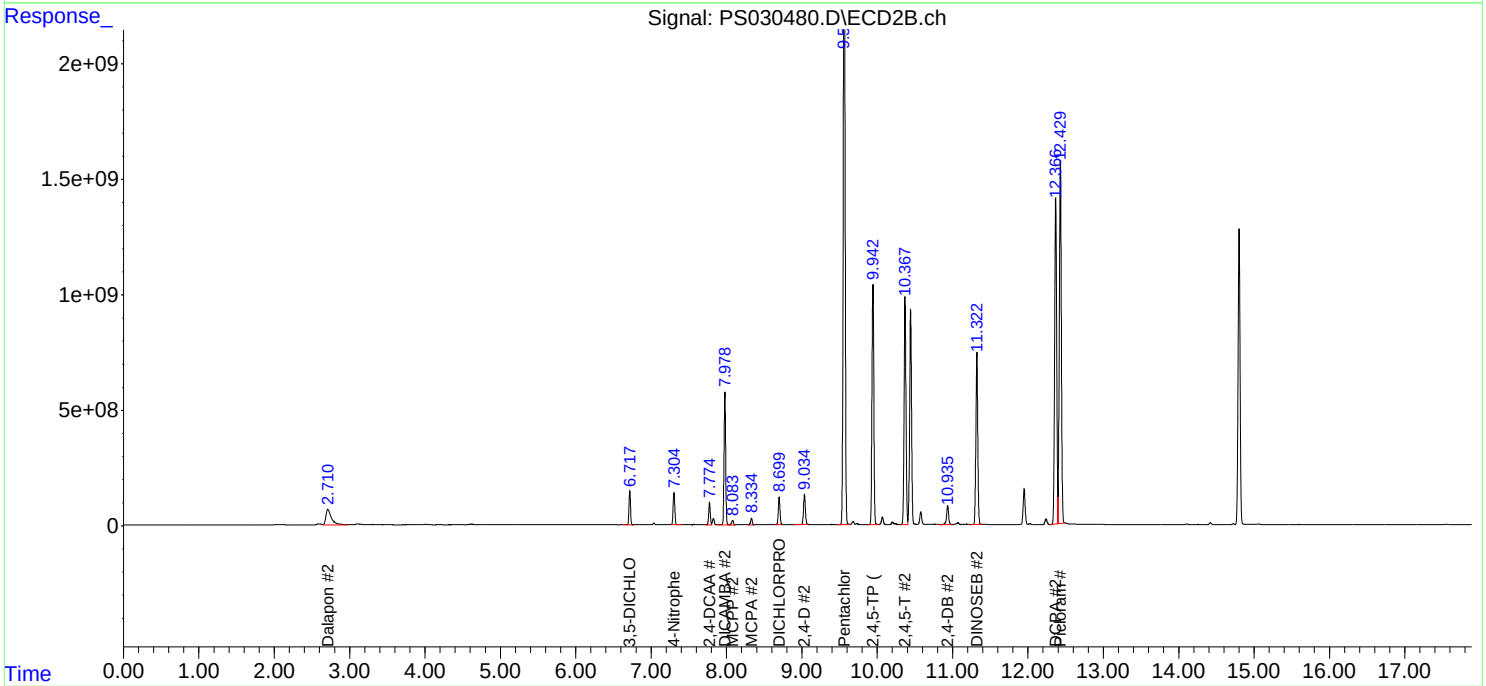
Manual Integrations APPROVED

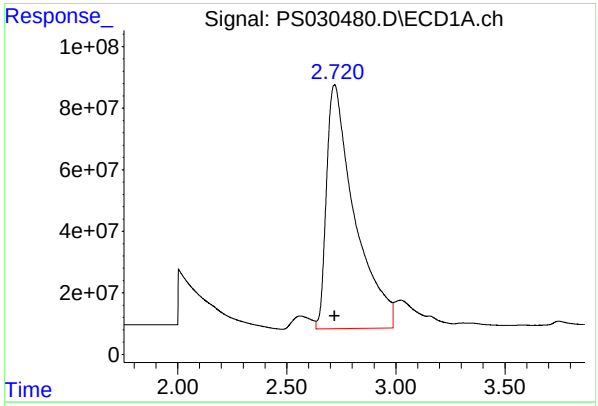
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

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







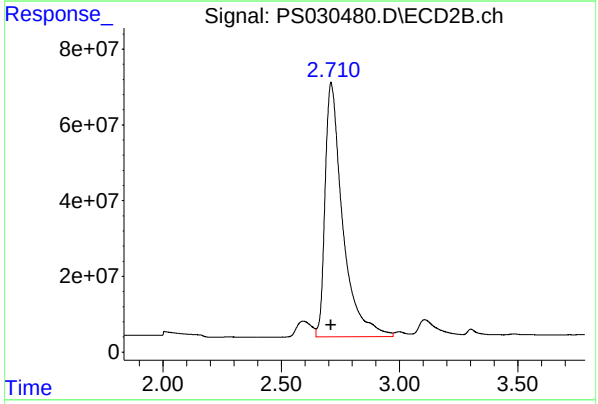
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

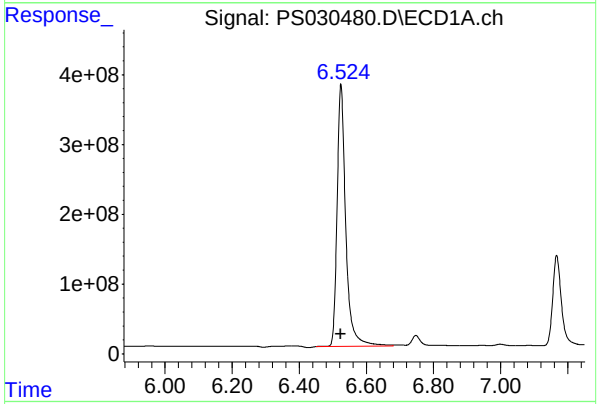
Manual Integrations APPROVED

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



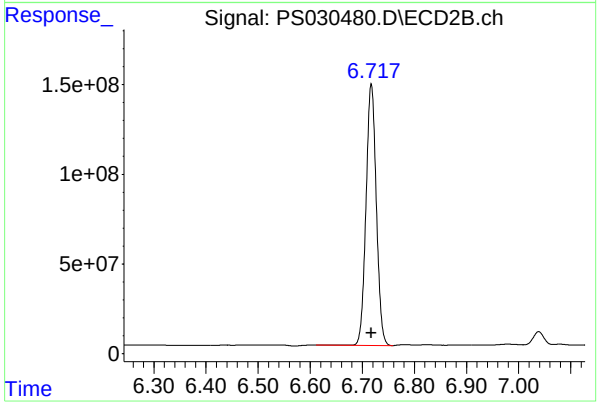
#1 Dalapon

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



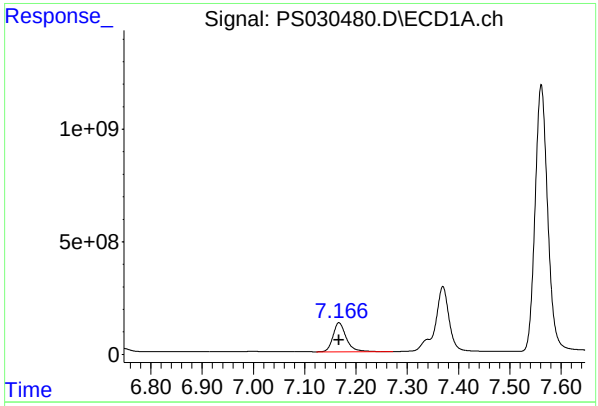
#2 3,5-DICHLOROBENZOIC ACID

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



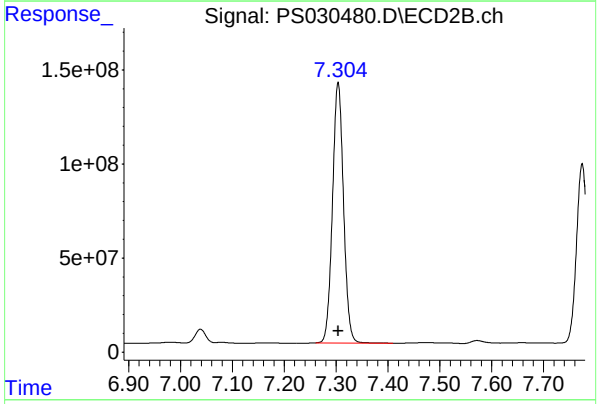
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

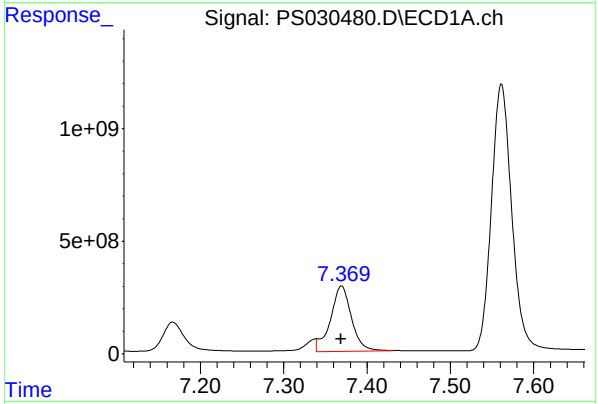
Manual Integrations APPROVED

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



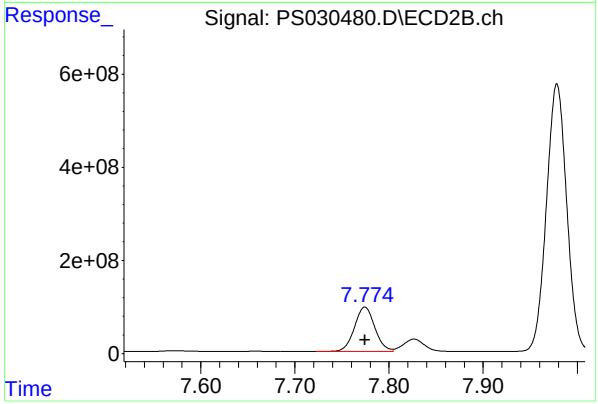
#3 4-Nitrophenol

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



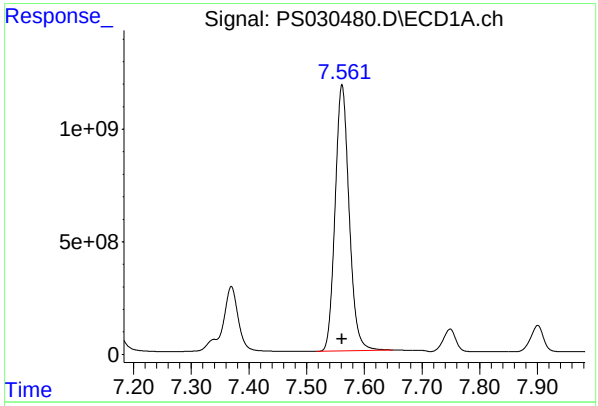
#4 2,4-DCAA

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



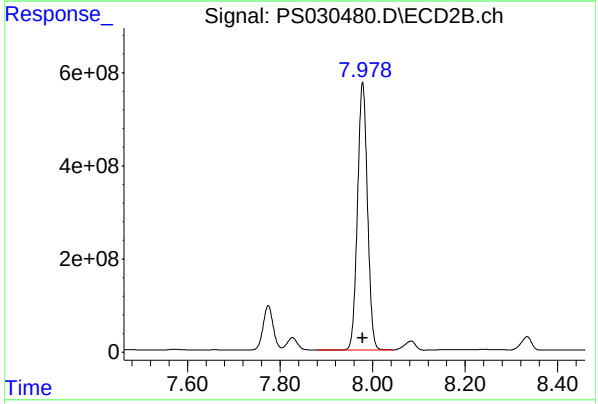
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

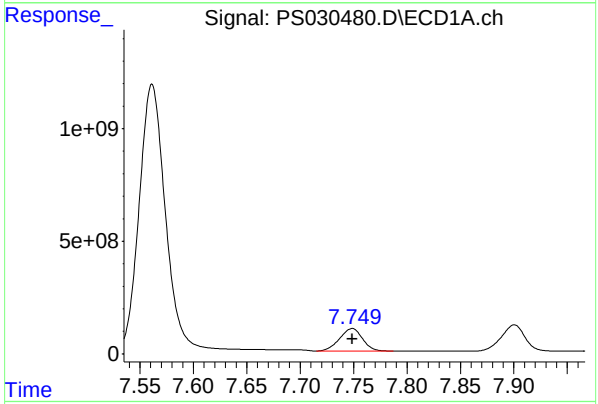
Manual Integrations APPROVED

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



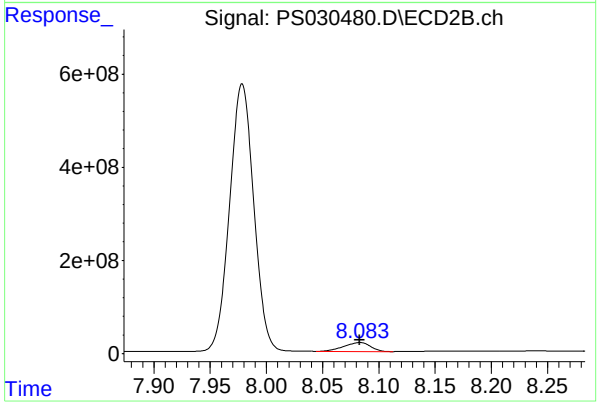
#5 DICAMBA

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



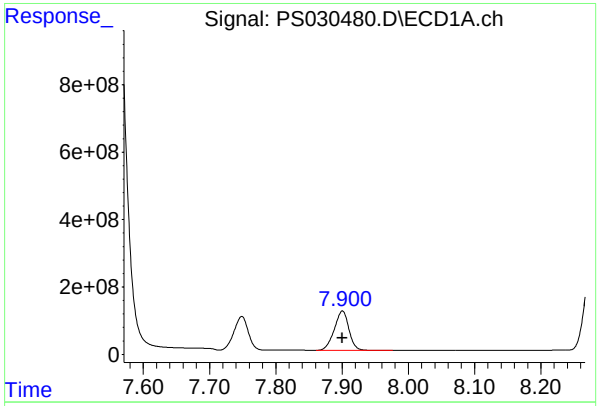
#6 MCPP

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



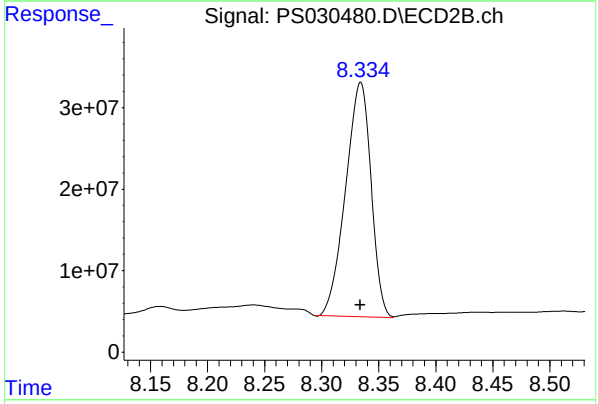
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

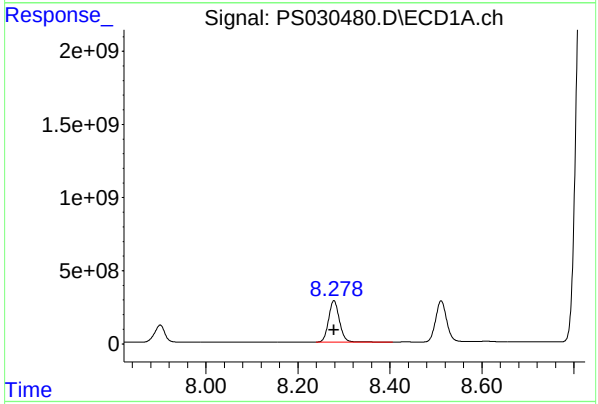
Manual Integrations APPROVED

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



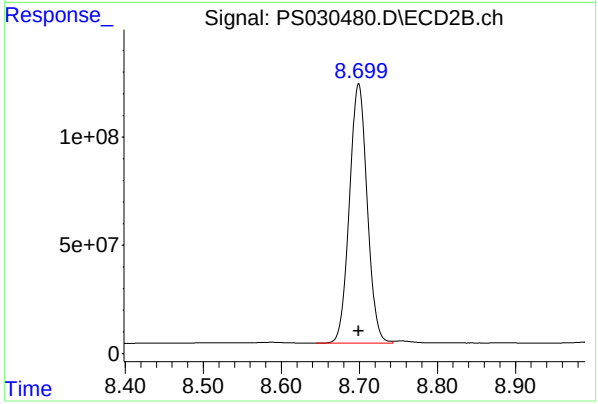
#7 MCPA

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



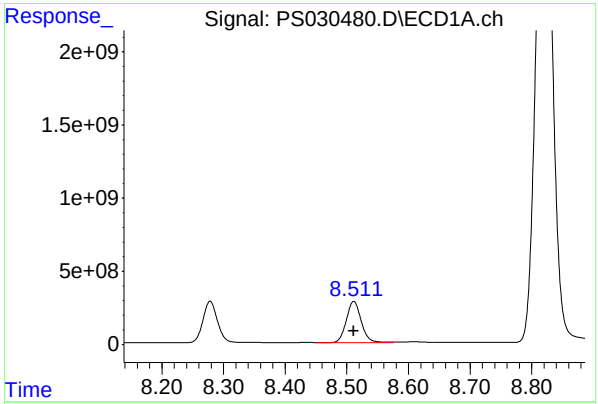
#8 DICHLORPROP

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



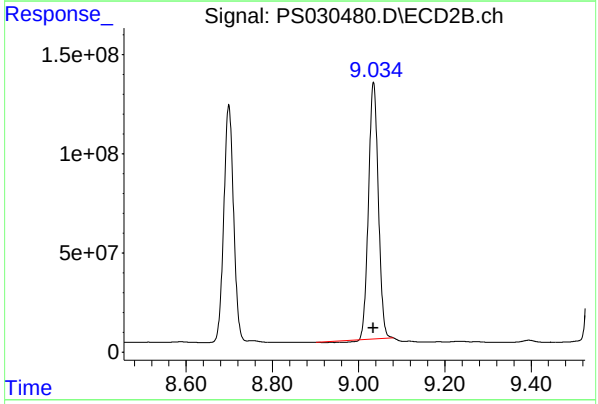
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

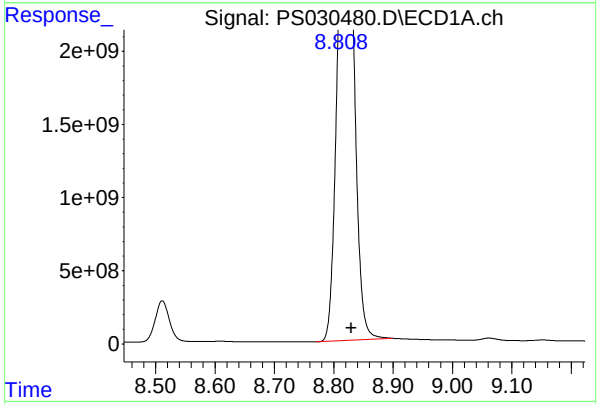
Manual Integrations APPROVED

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



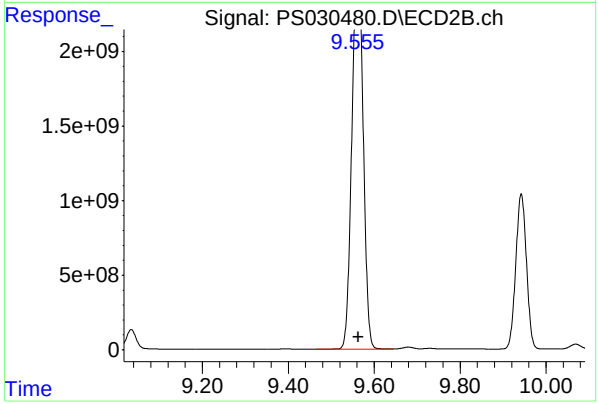
#9 2,4-D

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



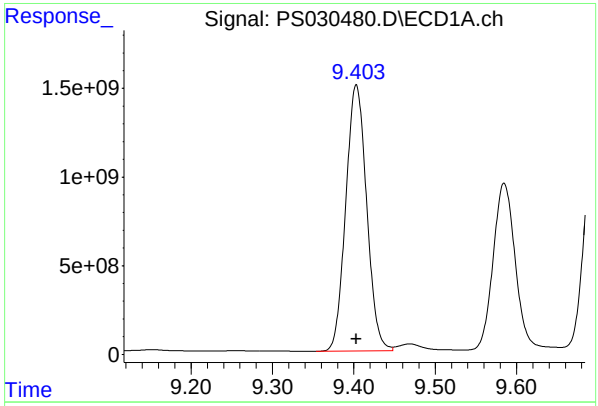
#10 Pentachlorophenol

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



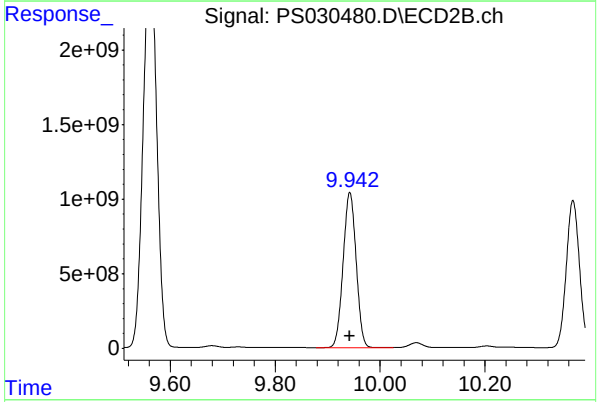
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

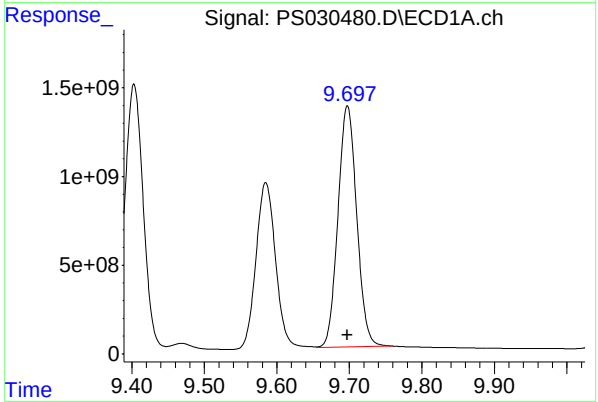
Manual Integrations APPROVED

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



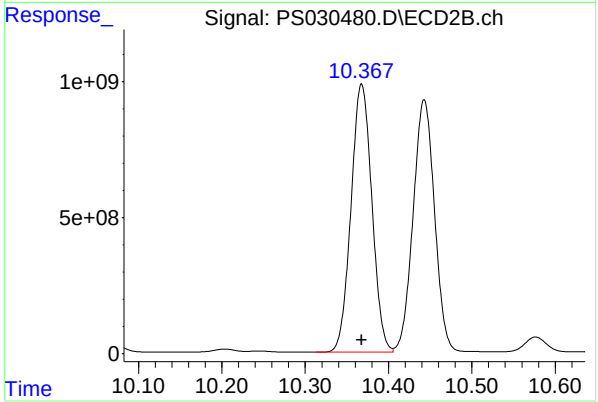
#11 2,4,5-TP (SILVEX)

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



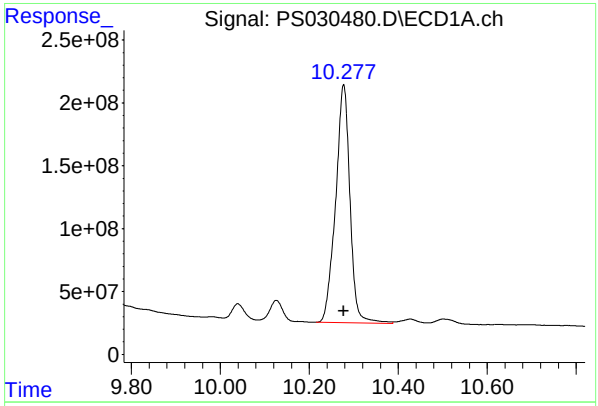
#12 2,4,5-T

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



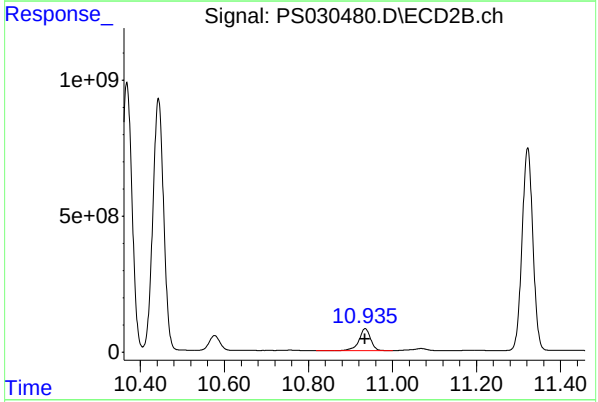
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

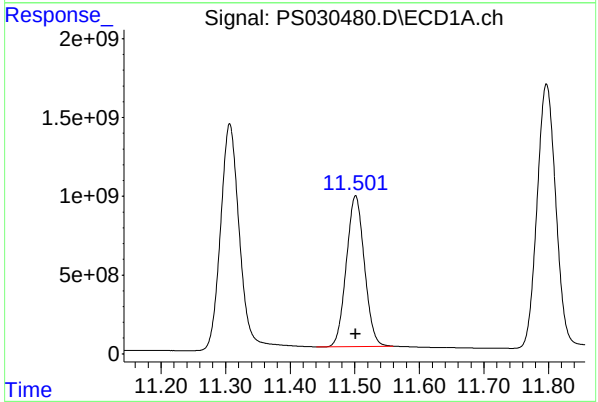
Manual Integrations APPROVED

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



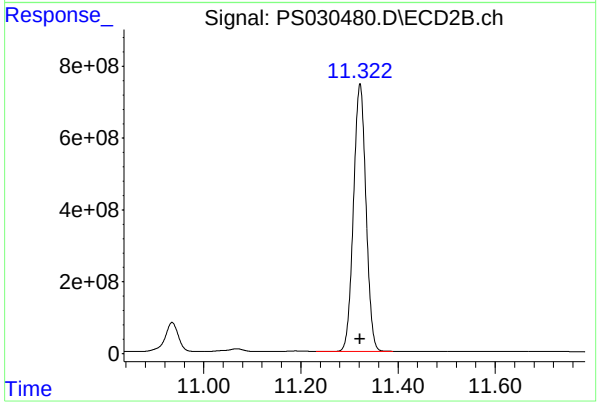
#13 2,4-DB

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



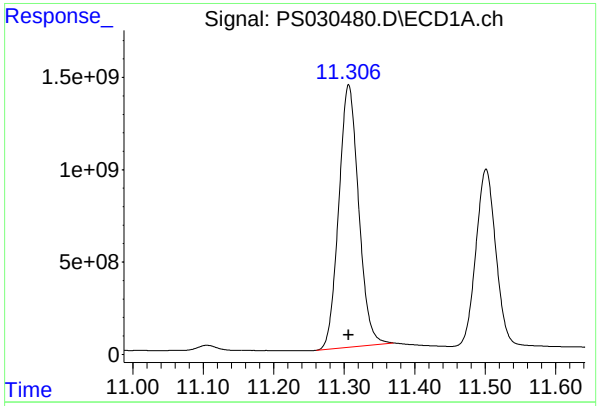
#14 DINOSEB

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



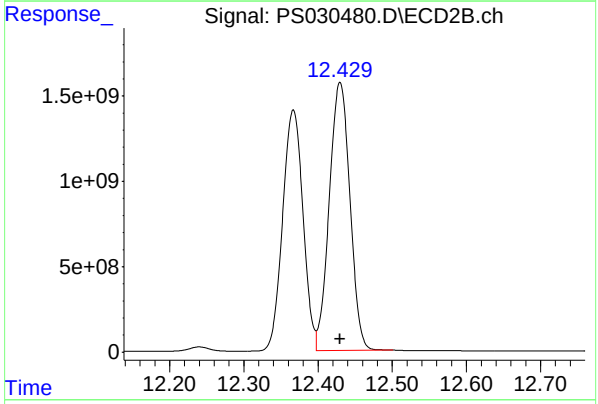
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

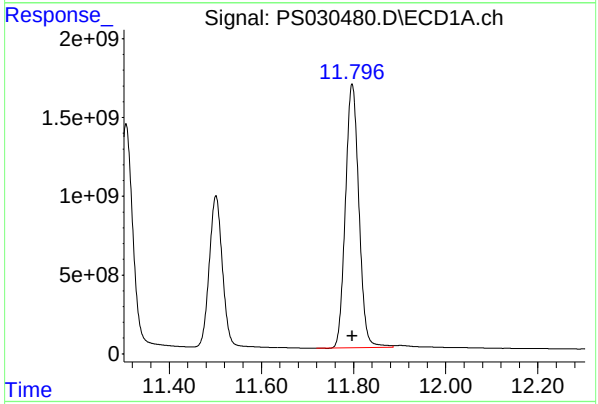
Manual Integrations APPROVED

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



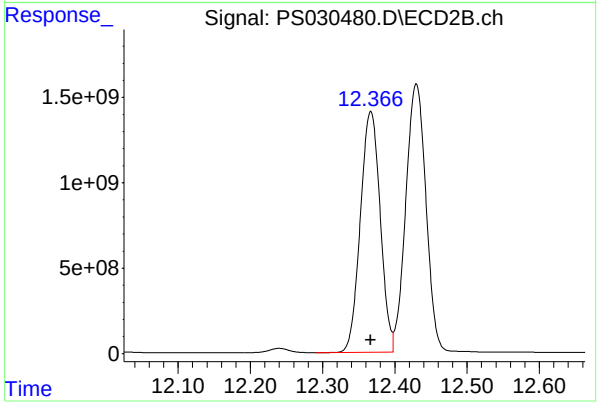
#15 Picloram

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)

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.

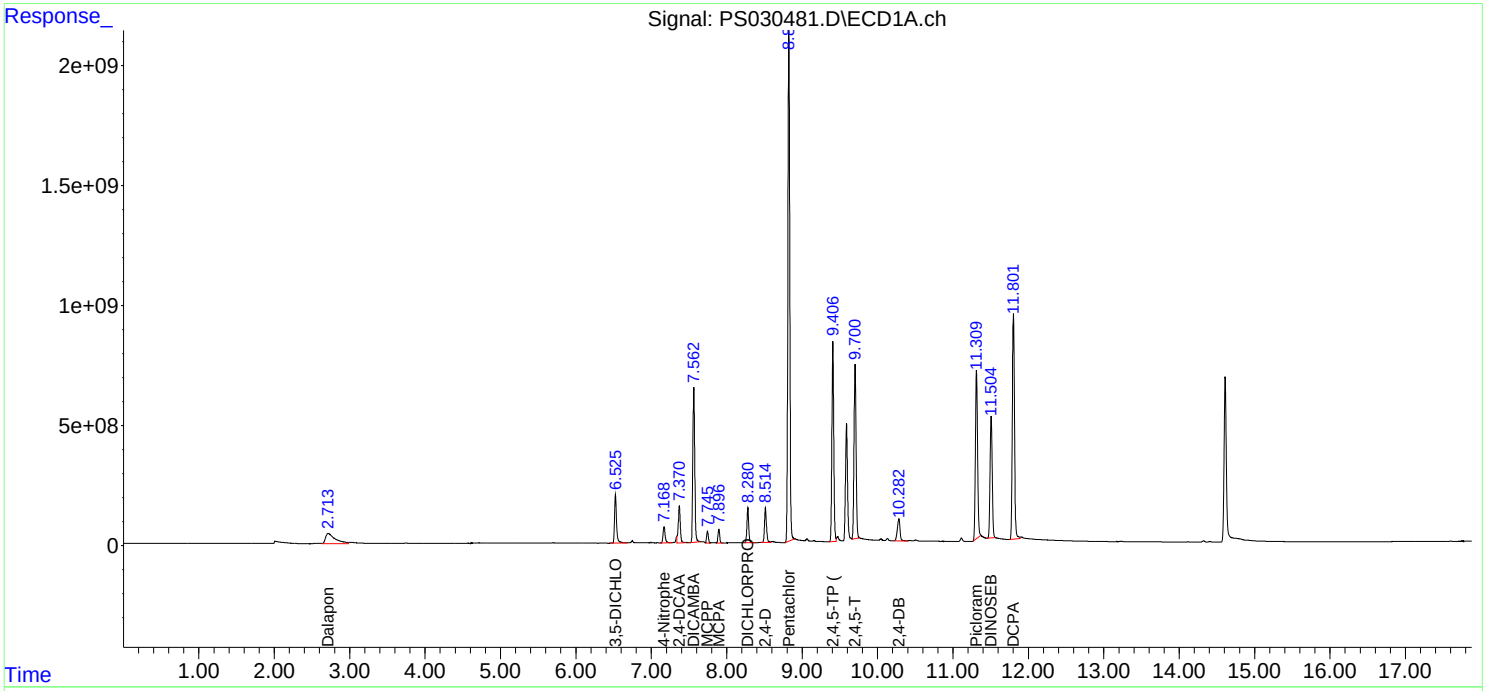
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 13:35
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

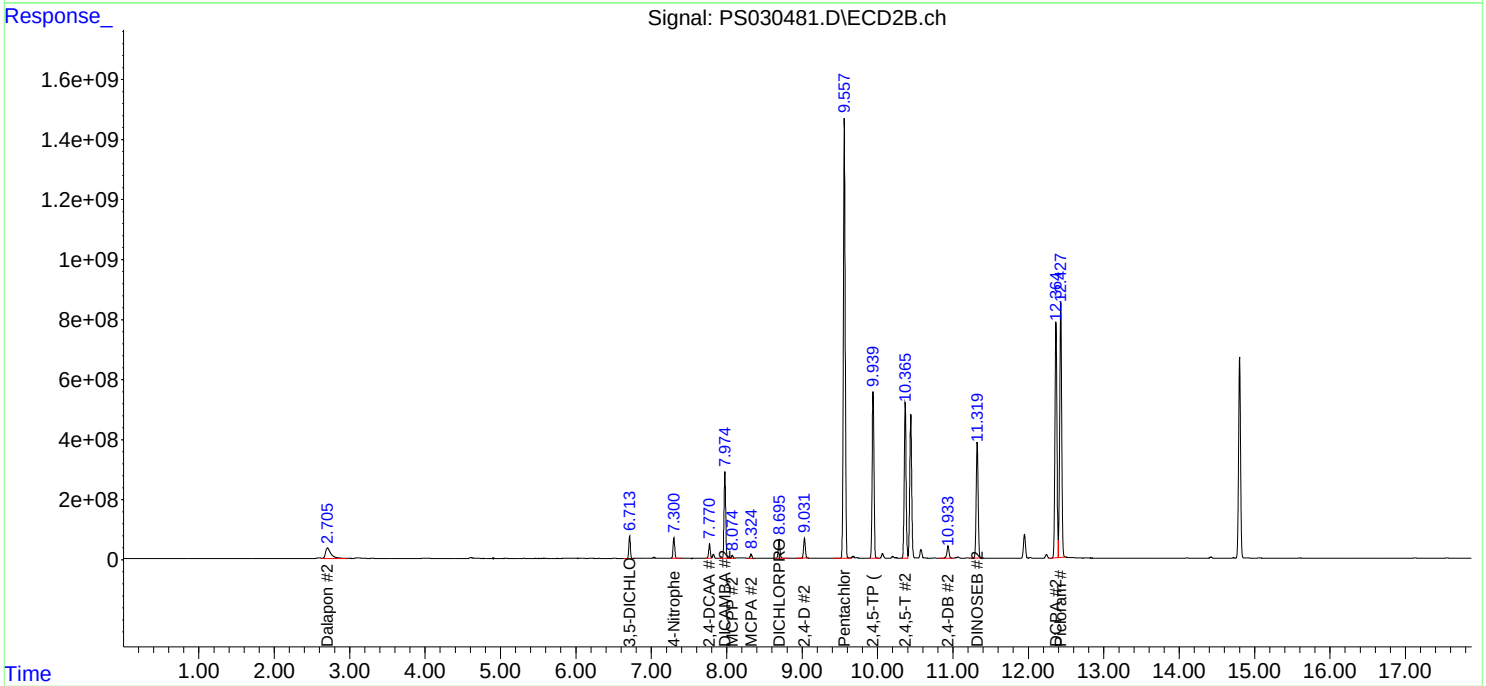
Instrument :
ECD_S
ClientSampleId :
ICVPS060425

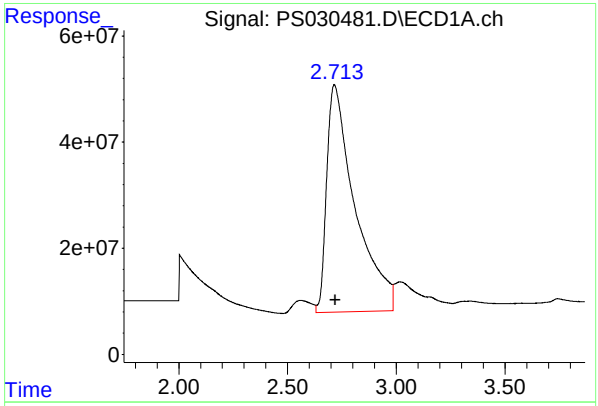
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

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







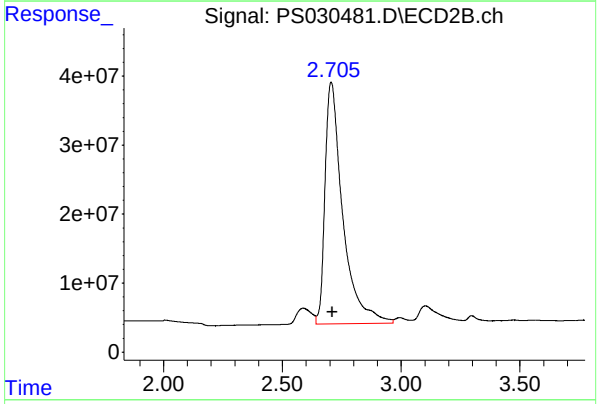
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

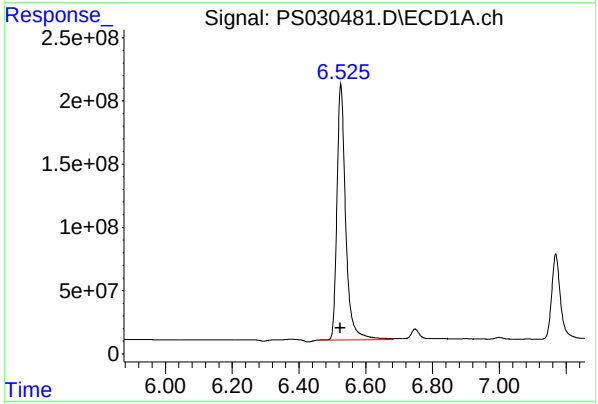
Manual Integrations APPROVED

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



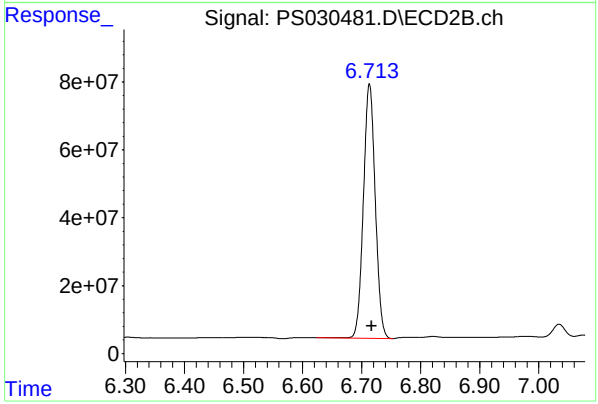
#1 Dalapon

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



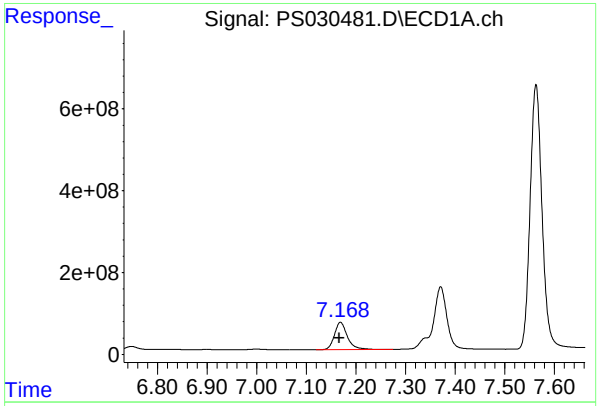
#2 3,5-DICHLOROBENZOIC ACID

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



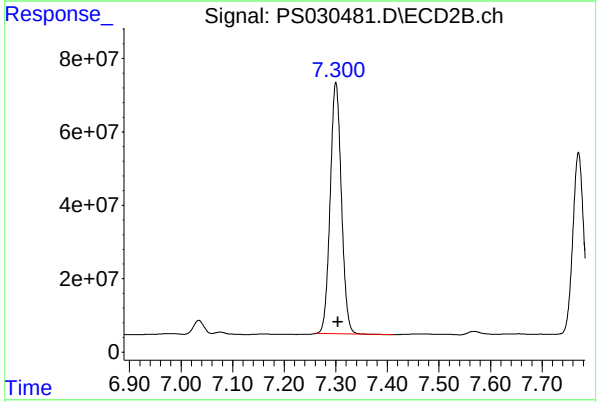
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

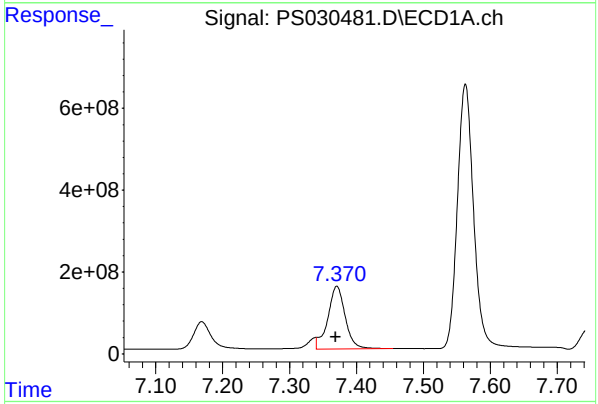
Manual Integrations APPROVED

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



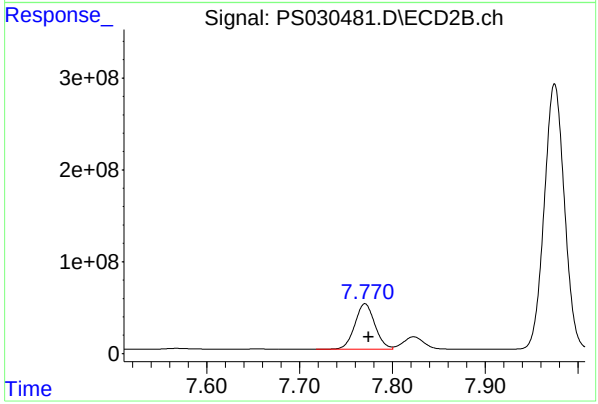
#3 4-Nitrophenol

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



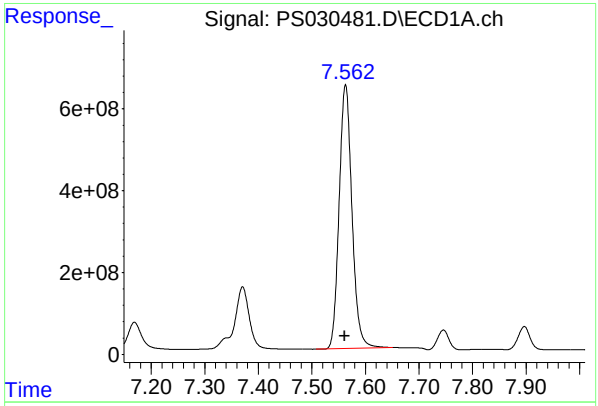
#4 2,4-DCAA

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



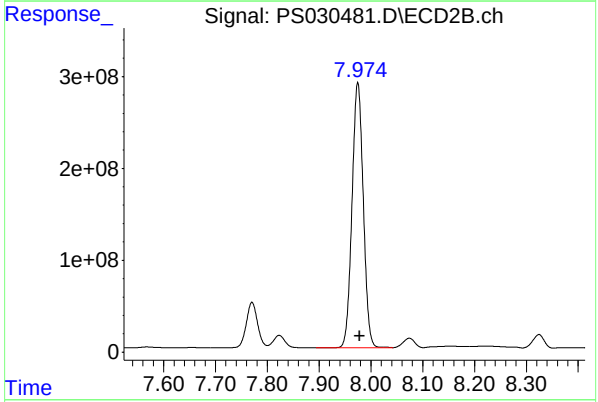
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

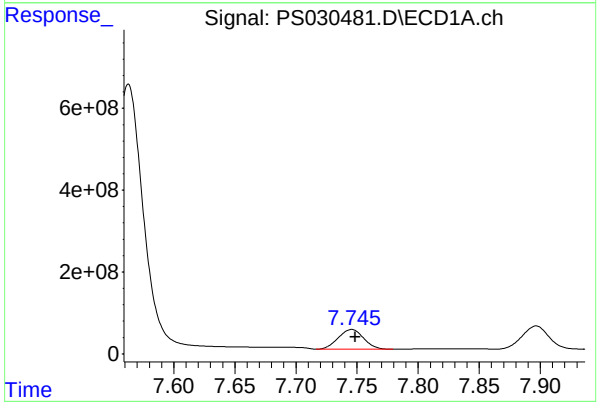
Manual Integrations APPROVED

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



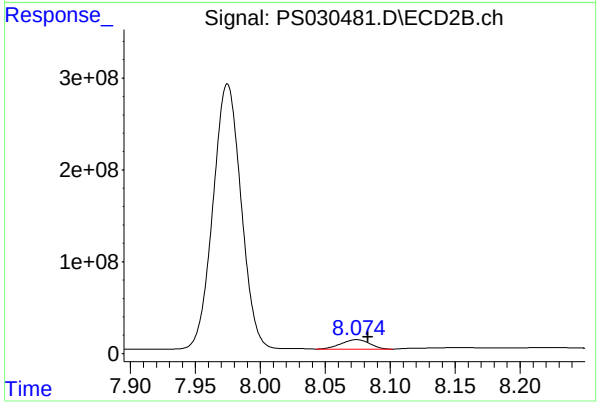
#5 DICAMBA

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



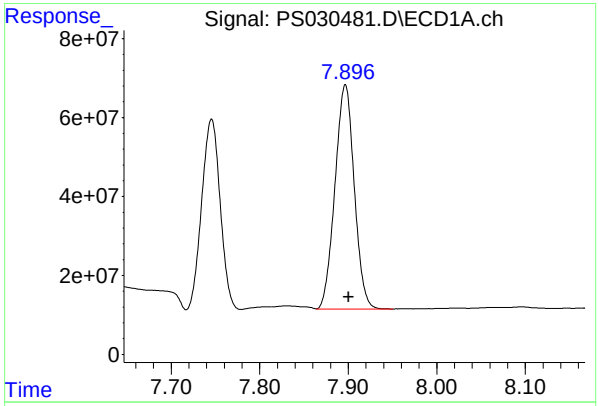
#6 MCPP

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



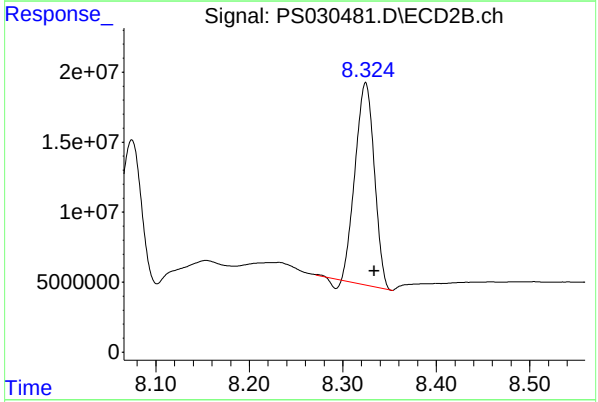
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

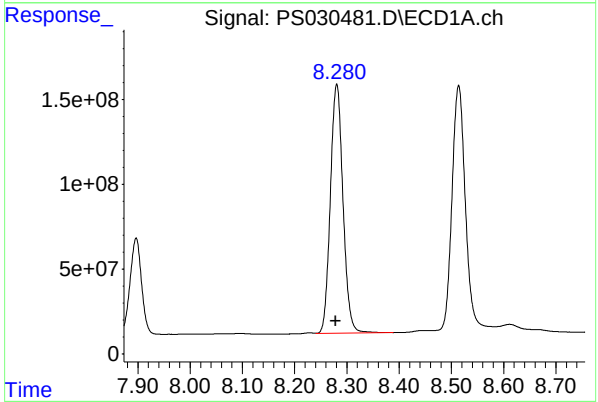
Manual Integrations APPROVED

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



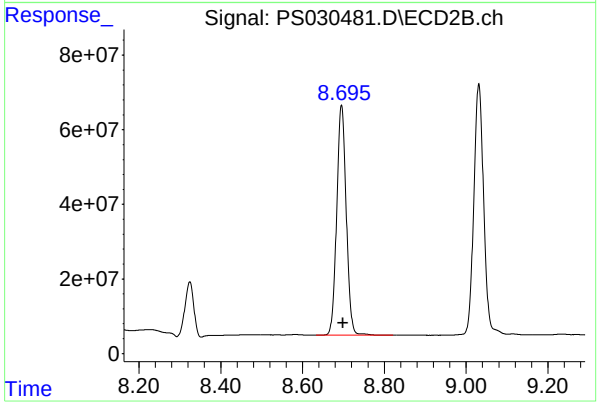
#7 MCPA

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



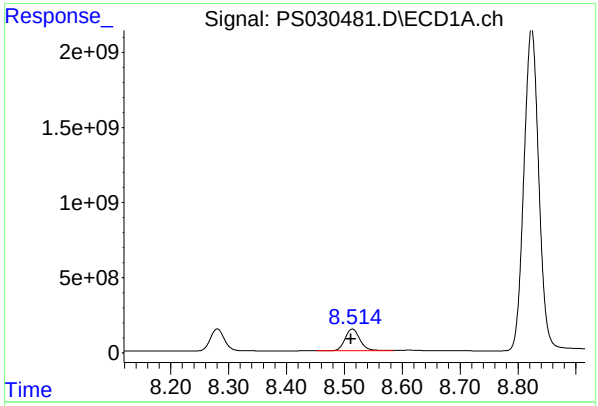
#8 DICHLORPROP

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



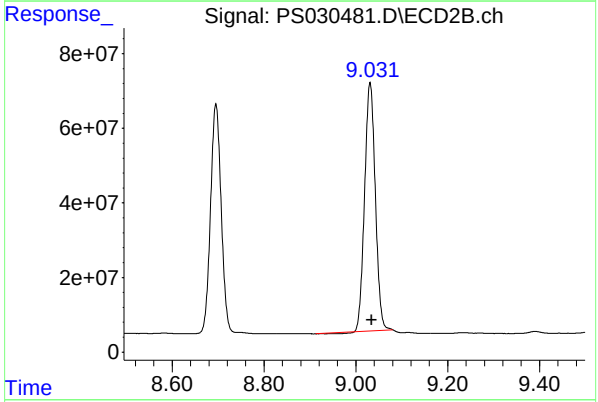
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

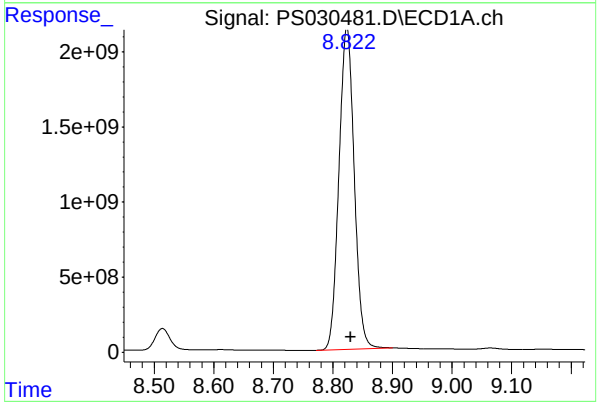
Manual Integrations APPROVED

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



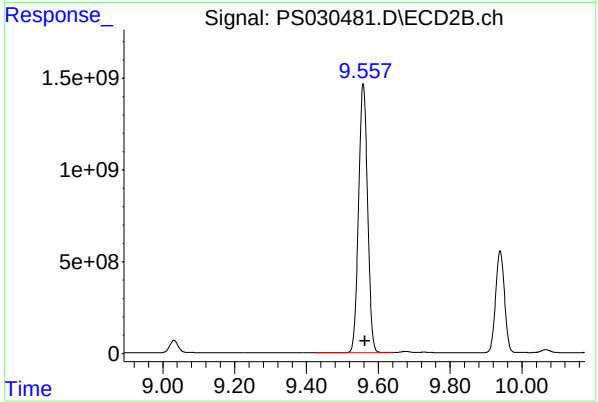
#9 2,4-D

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



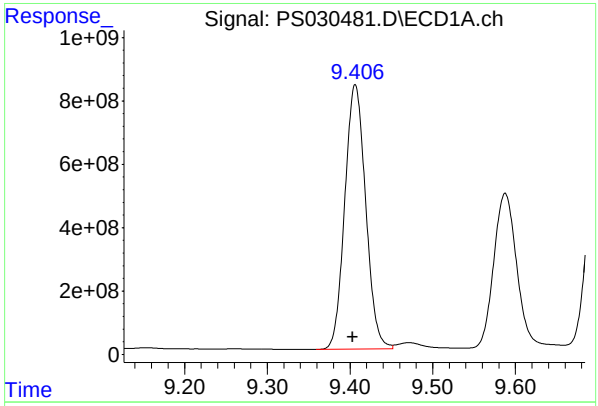
#10 Pentachlorophenol

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



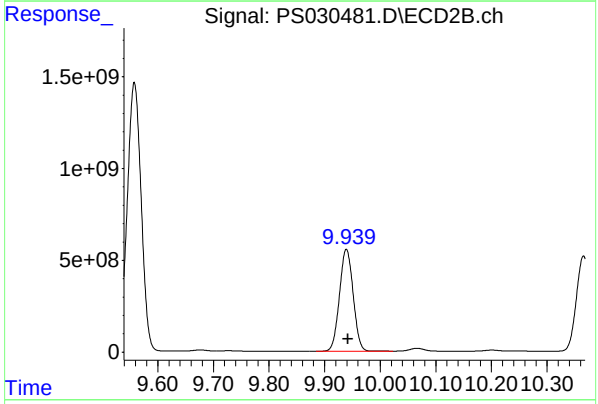
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

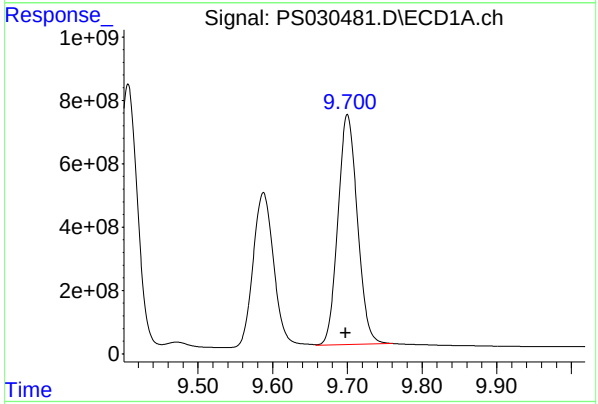
Manual Integrations
APPROVED

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



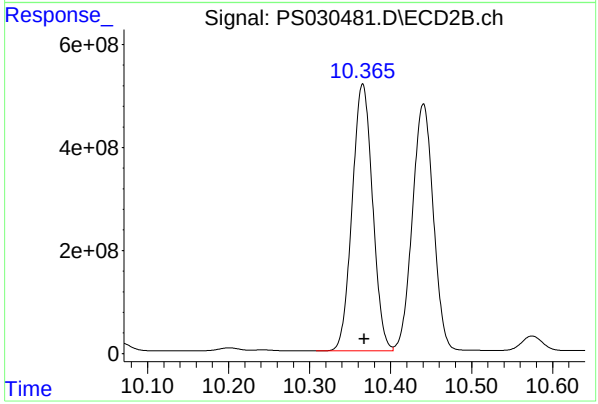
#11 2,4,5-TP (SILVEX)

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



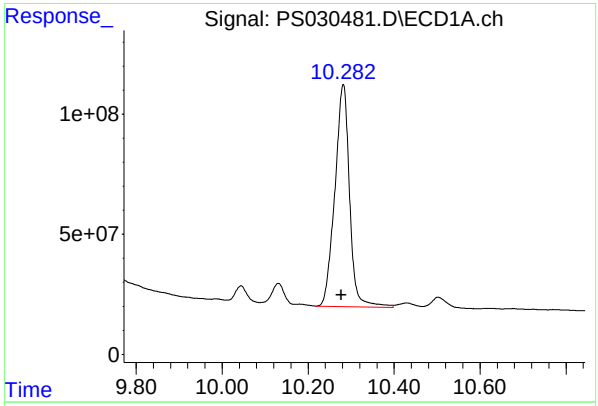
#12 2,4,5-T

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



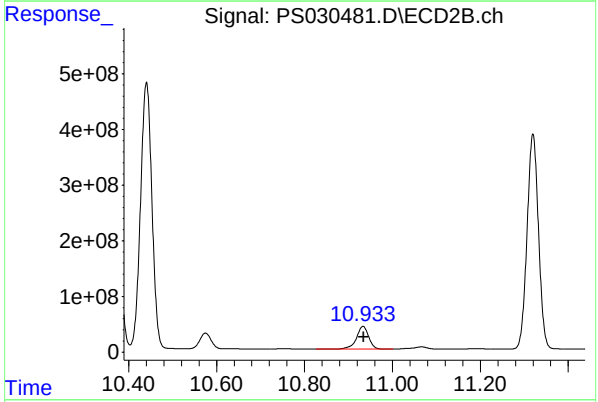
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

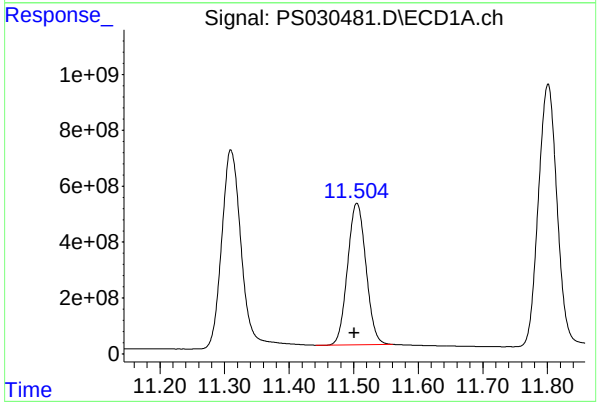
Manual Integrations APPROVED

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



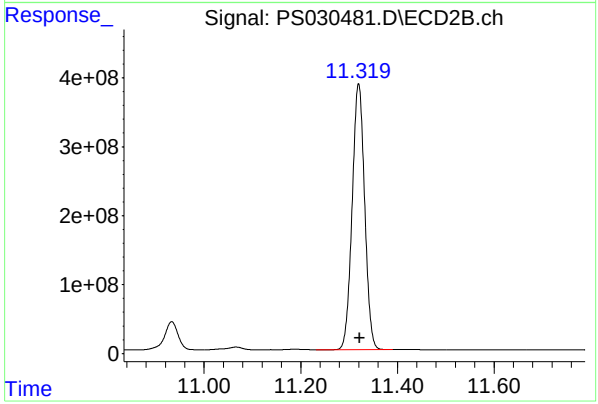
#13 2,4-DB

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



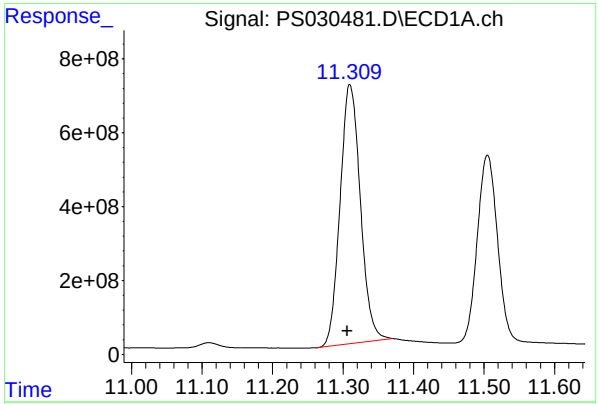
#14 DINOSEB

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



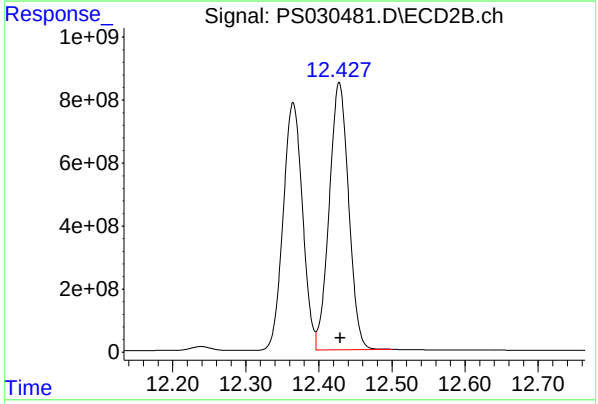
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

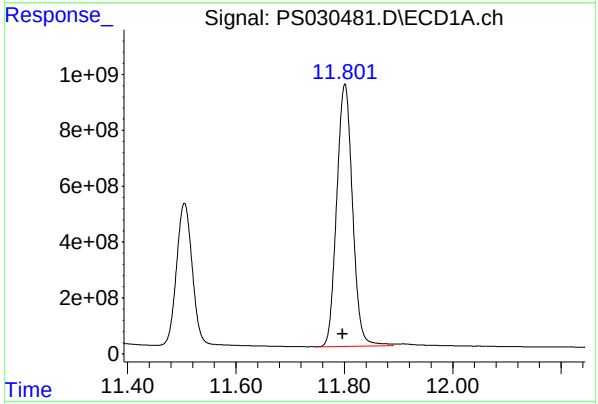
Manual Integrations APPROVED

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



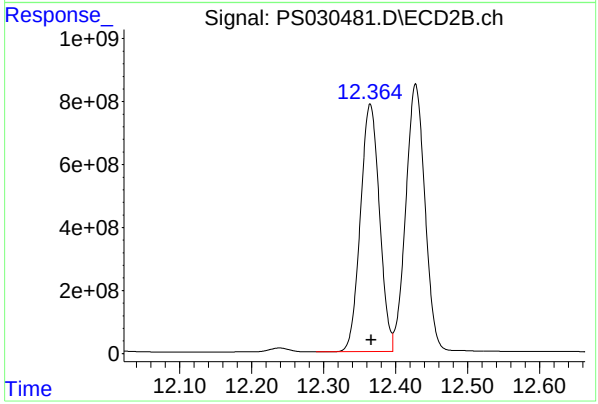
#15 Picloram

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

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_S **Calibration Date(s):** 06/16/2025 06/16/2025

Calibration Times: 09:56 11:33

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

LAB FILE ID: RT 200 = PS030681.D RT 500 = PS030682.D

RT 750 = PS030683.D RT 1000 = PS030684.D RT 1500 = PS030685.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.67	9.67	9.67	9.67	9.67	9.67	9.57	9.77
2,4,5-TP(Silvex)	9.38	9.38	9.38	9.38	9.38	9.38	9.28	9.48
2,4-D	8.49	8.49	8.49	8.49	8.49	8.49	8.39	8.59
2,4-DB	10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
2,4-DCAA	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Dalapon	2.71	2.71	2.71	2.71	2.71	2.71	2.61	2.81
DICAMBA	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
DICHLORPROP	8.26	8.26	8.26	8.26	8.26	8.26	8.16	8.36
Dinoseb	11.47	11.47	11.47	11.47	11.47	11.47	11.37	11.57

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_S **Calibration Date(s):** 06/16/2025 06/16/2025

Calibration Times: 09:56 11:33

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

LAB FILE ID: RT 200 = PS030681.D RT 500 = PS030682.D

RT 750 = PS030683.D RT 1000 = PS030684.D RT 1500 = PS030685.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.36	10.36	10.36	10.36	10.36	10.36	10.26	10.46
2,4,5-TP(Silvex)	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
2,4-D	9.03	9.03	9.03	9.03	9.03	9.03	8.93	9.13
2,4-DB	10.93	10.93	10.93	10.93	10.93	10.93	10.83	11.03
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Dalapon	2.71	2.71	2.71	2.71	2.71	2.71	2.61	2.81
DICAMBA	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
DICHLORPROP	8.69	8.69	8.69	8.69	8.69	8.69	8.59	8.79
Dinoseb	11.31	11.31	11.31	11.31	11.31	11.31	11.21	11.41

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_S **Calibration Date(s):** 06/16/2025 06/16/2025

Calibration Times: 09:56 11:33

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

LAB FILE ID: **CF 200 =** PS030681.D **CF 500 =** PS030682.D

CF 750 = PS030683.D **CF 1000 =** PS030684.D **CF 1500 =** PS030685.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	18265800000	16595800000	15952500000	16369700000	15956500000	16628000000	6
2,4,5-TP(Silvex)	23310400000	20262400000	19069000000	19162800000	18229500000	20006800000	10
2,4-D	4118600000	3402180000	3170830000	3194800000	3115400000	3400360000	12
2,4-DB	2687540000	2421860000	2331680000	2442280000	2472420000	2471160000	5
2,4-DCAA	4709630000	3856360000	3484750000	3444780000	3308550000	3760820000	15
Dalapon	7936360000	6077670000	5918880000	5797590000	5543240000	6254750000	15
DICAMBA	18641000000	15828600000	14853200000	14791400000	14113600000	15645600000	11
DICHLORPROP	4824510000	3684510000	3347530000	3324590000	3195220000	3675270000	18
Dinoseb	16437900000	14233600000	13458200000	13613400000	13063700000	14161400000	9

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_S **Calibration Date(s):** 06/16/2025 06/16/2025

Calibration Times: 09:56 11:33

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

LAB FILE ID: **CF 200 =** PS030681.D **CF 500 =** PS030682.D

CF 750 = PS030683.D **CF 1000 =** PS030684.D **CF 1500 =** PS030685.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16317200000	13993800000	13106600000	13073500000	12451600000	13788500000	11
2,4,5-TP(Silvex)	17076700000	14594600000	13656900000	13568800000	12875800000	14354600000	11
2,4-D	2067250000	1684360000	1565840000	1560790000	1503980000	1676450000	14
2,4-DB	1433440000	1197190000	1113440000	1112470000	1076240000	1186560000	12
2,4-DCAA	1334550000	1086460000	1006290000	1005060000	966095000	1079690000	14
Dalapon	3413870000	2800060000	2636270000	2657290000	2563320000	2814160000	12
DICAMBA	7689070000	6633610000	6294610000	6352720000	6182550000	6630510000	9
DICHLORPROP	1898430000	1543370000	1432790000	1422510000	1364740000	1532370000	14
Dinoseb	12851300000	11020800000	10395800000	10437500000	10081600000	10957400000	10

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030681.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 09:56
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:35:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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	7.351	7.768	941.9E6	266.9E6	243.064m	240.874
	Target Compounds						
1) T	Dalapon	2.708	2.710	1444.4E6	621.3E6	225.072m	215.972
2) T	3,5-DICHL...	6.510	6.713	1261.5E6	371.3E6	225.152	223.801
3) T	4-Nitroph...	7.151	7.299	358.3E6	357.0E6	215.458	206.768
5) T	DICAMBA	7.542	7.971	3504.5E6	1445.5E6	218.642	214.393
6) T	MCPP	7.721	8.066	162.1E6	40694511	17.415	18.534
7) T	MCPA	7.871	8.314	226.8E6	60775932	19.187	18.978
8) T	DICHLORPROP	8.257	8.690	907.0E6	356.9E6	238.983	226.711
9) T	2,4-D	8.490	9.025	774.3E6	388.6E6	223.037	226.013
10) T	Pentachlo...	8.797	9.550	12630.4E6	8595.3E6	227.992	217.619
11) T	2,4,5-TP ...	9.378	9.931	4429.0E6	3244.6E6	216.564	220.356
12) T	2,4,5-T	9.673	10.357	3470.5E6	3100.3E6	206.627	219.523
13) T	2,4-DB	10.252	10.925	510.6E6	272.4E6	206.664	224.319
14) T	DINOSEB	11.471	11.310	3090.3E6	2416.1E6	214.074	216.176
15) T	Picloram	11.281	12.419	3391.8E6	4996.7E6	203.312	205.794
16) T	DCPA	11.767	12.354	5786.5E6	4827.3E6	218.156	219.220m

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

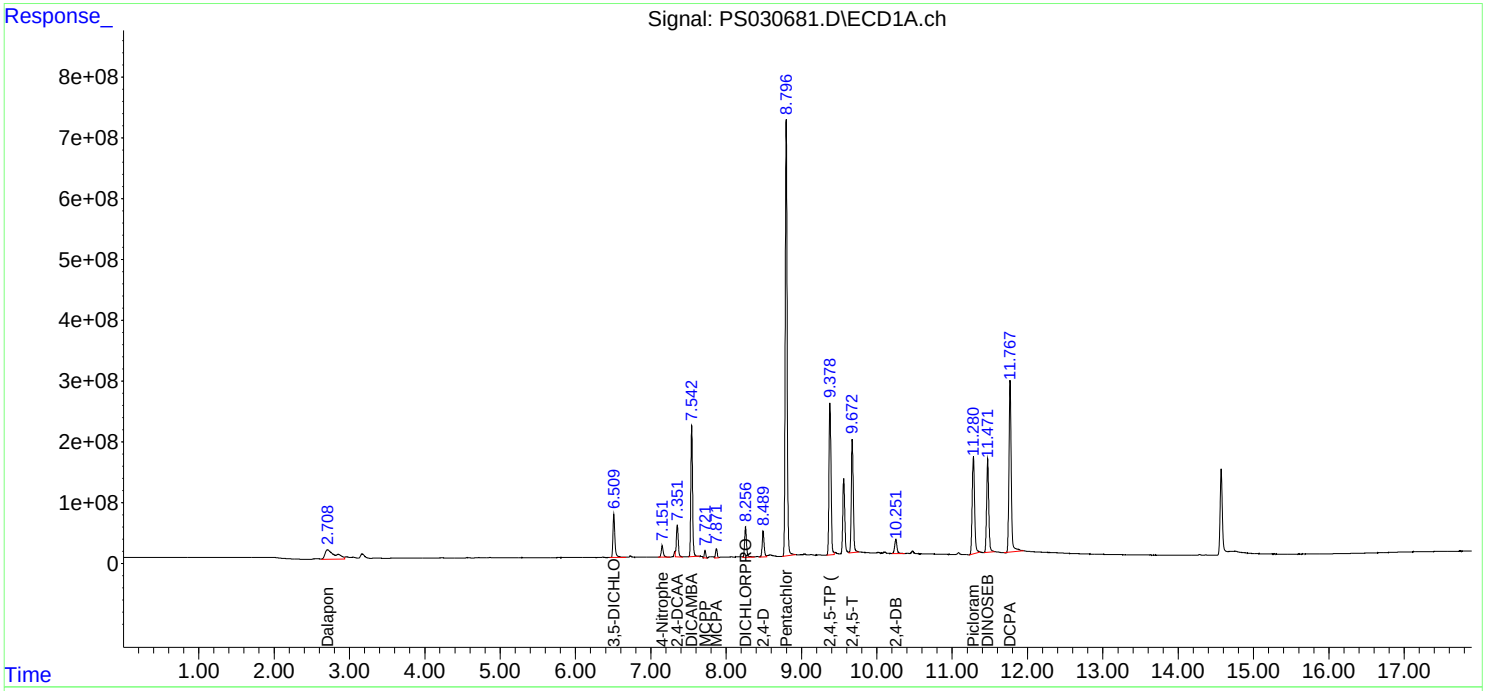
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030681.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 09:56
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

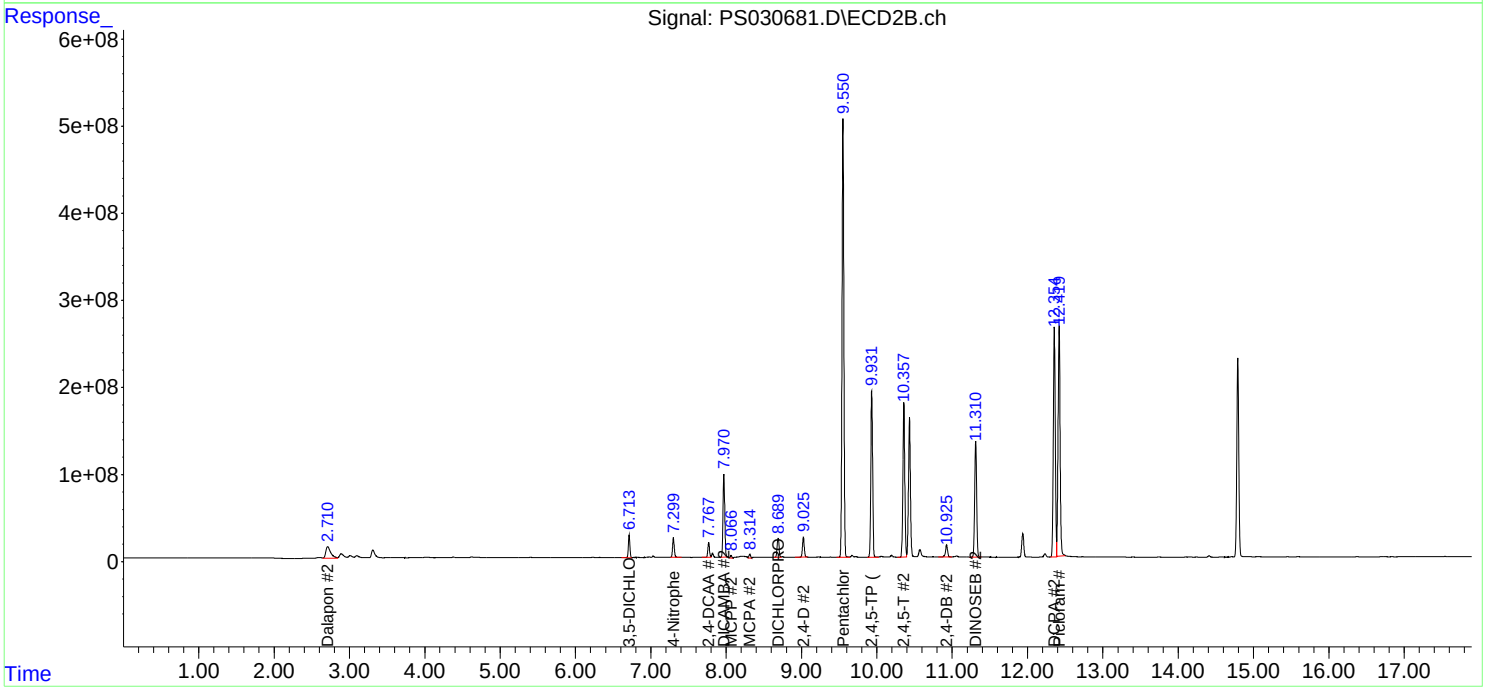
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

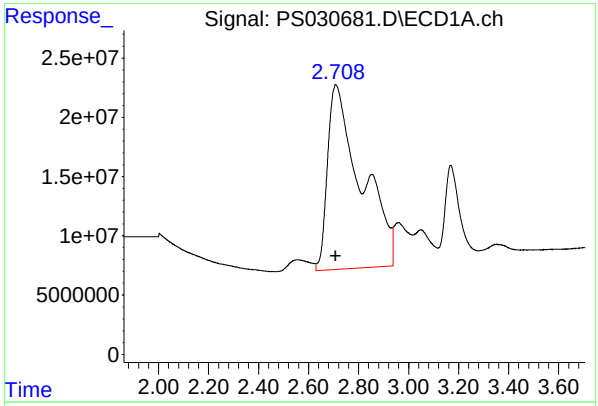
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:35:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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







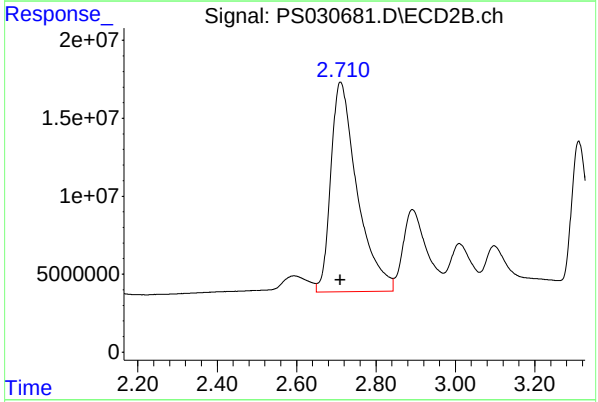
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 1444417235
Conc: 225.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

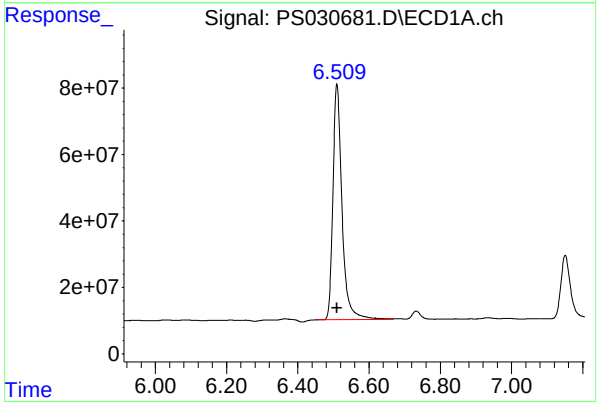
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



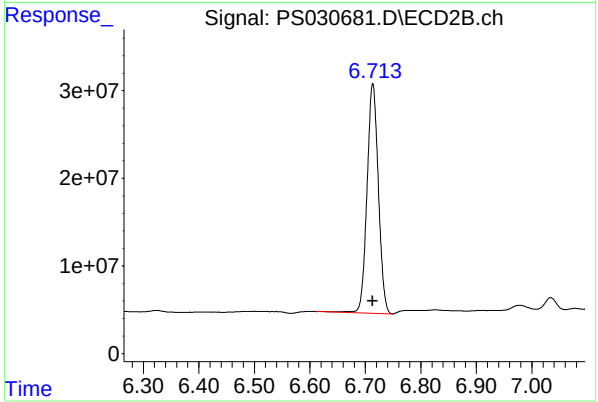
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 621324105
Conc: 215.97 ng/ml



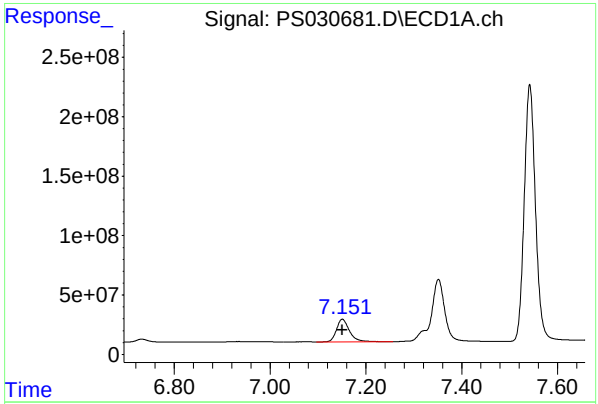
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 1261543775
Conc: 225.15 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 371250961
Conc: 223.80 ng/ml



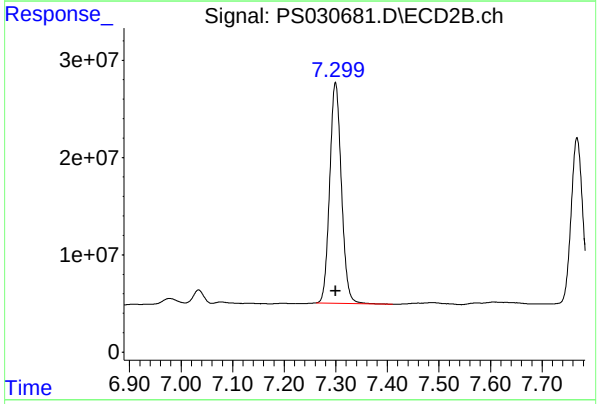
#3 4-Nitrophenol

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 358277352
Conc: 215.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

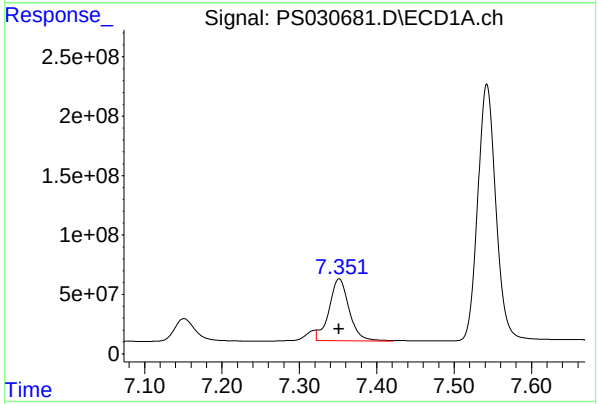
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



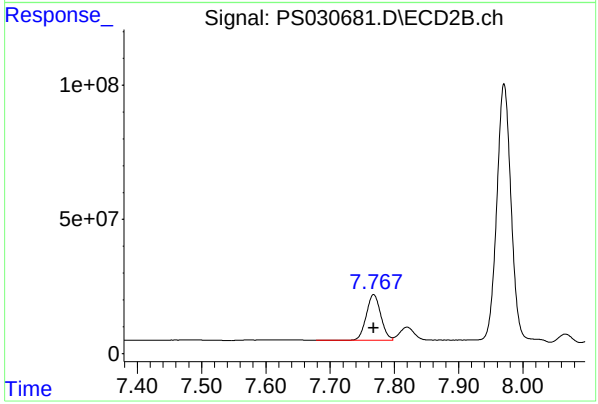
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 357027266
Conc: 206.77 ng/ml



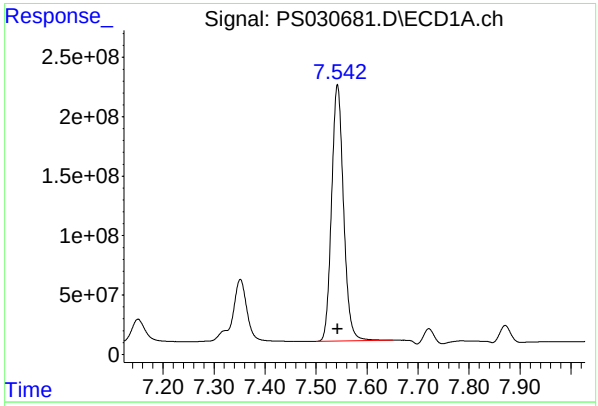
#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 941926461
Conc: 243.06 ng/ml m



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 266909709
Conc: 240.87 ng/ml



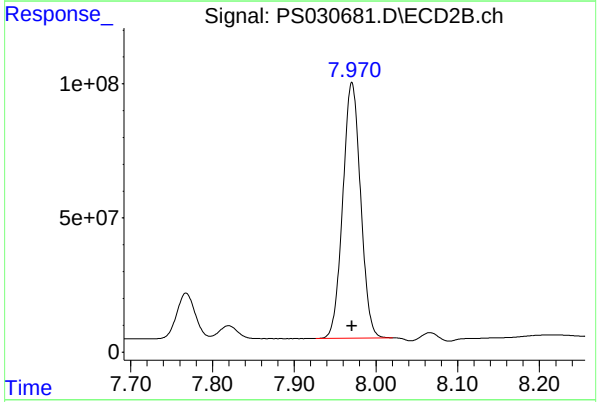
#5 DICAMBA

R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 3504516223
Conc: 218.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

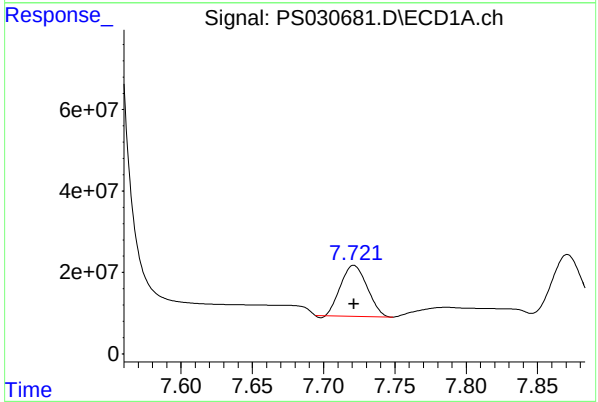
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



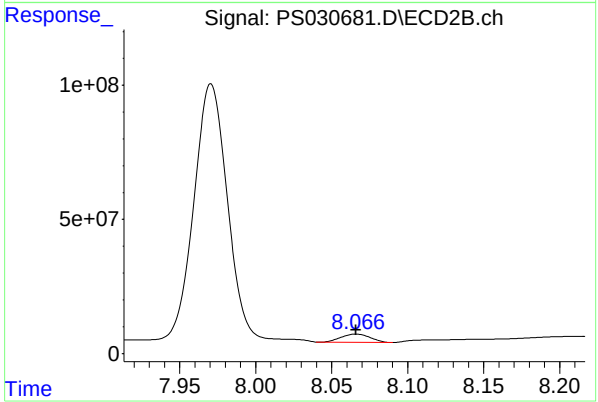
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 1445544733
Conc: 214.39 ng/ml



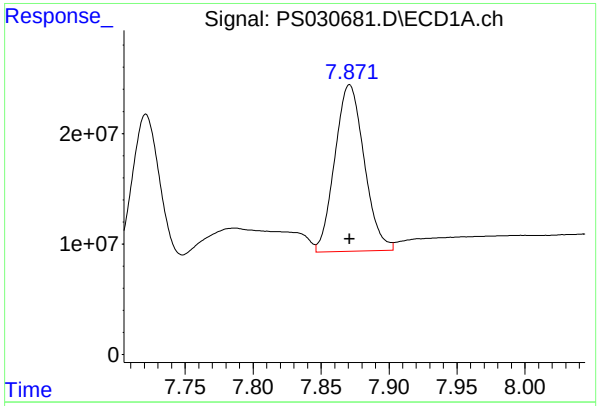
#6 MCPP

R.T.: 7.721 min
Delta R.T.: 0.000 min
Response: 162145366
Conc: 17.42 ug/ml



#6 MCPP

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 40694511
Conc: 18.53 ug/ml



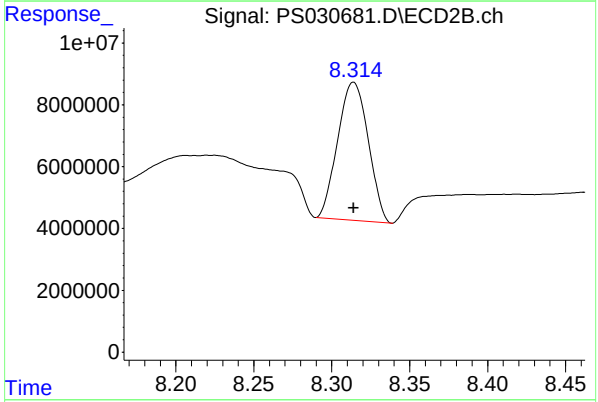
#7 MCPA

R.T.: 7.871 min
Delta R.T.: 0.000 min
Response: 226826119
Conc: 19.19 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

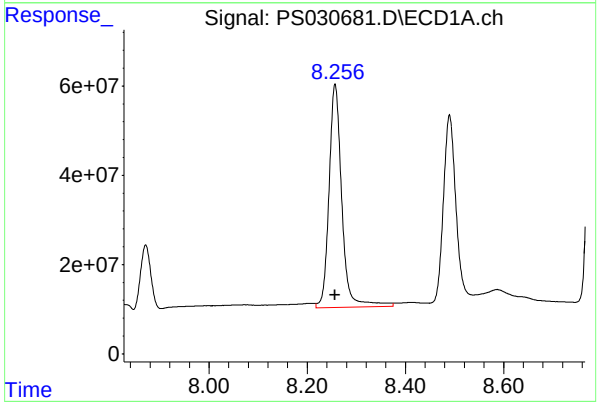
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



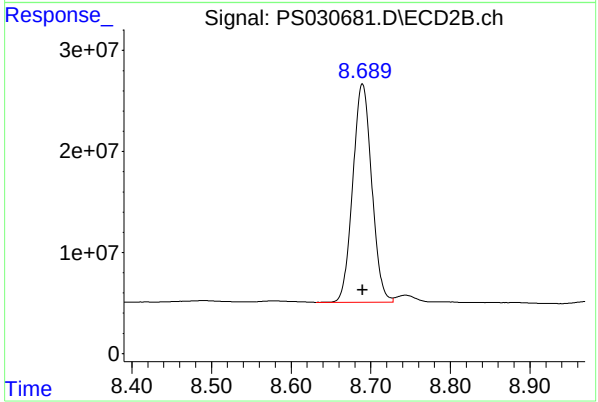
#7 MCPA

R.T.: 8.314 min
Delta R.T.: 0.000 min
Response: 60775932
Conc: 18.98 ug/ml



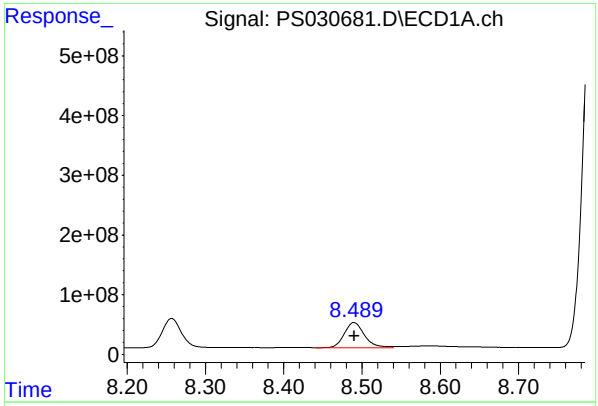
#8 DICHLORPROP

R.T.: 8.257 min
Delta R.T.: 0.000 min
Response: 907008760
Conc: 238.98 ng/ml



#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 356904936
Conc: 226.71 ng/ml



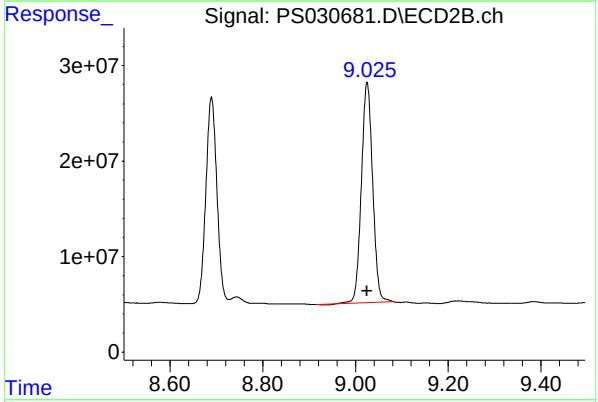
#9 2,4-D

R.T.: 8.490 min
Delta R.T.: 0.000 min
Response: 774296570
Conc: 223.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

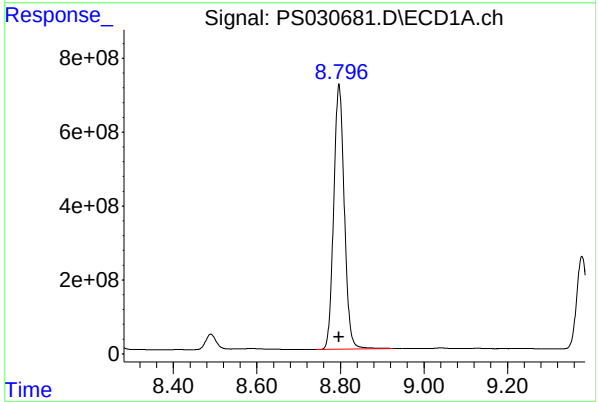
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



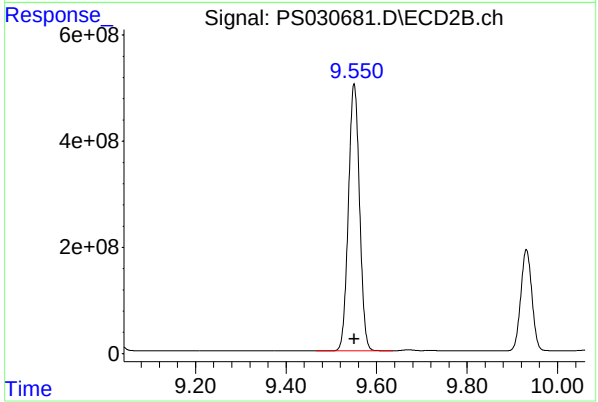
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 388643412
Conc: 226.01 ng/ml



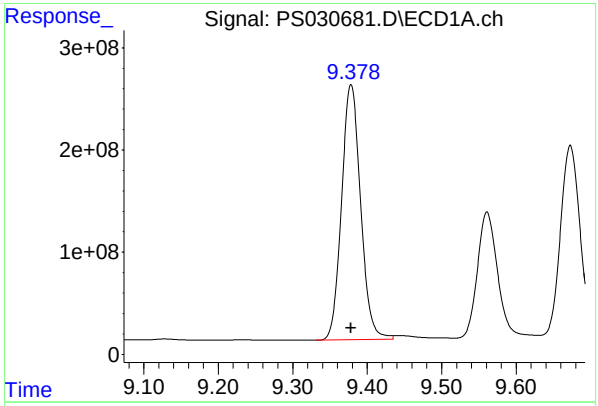
#10 Pentachlorophenol

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 12630365259
Conc: 227.99 ng/ml



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 8595320788
Conc: 217.62 ng/ml



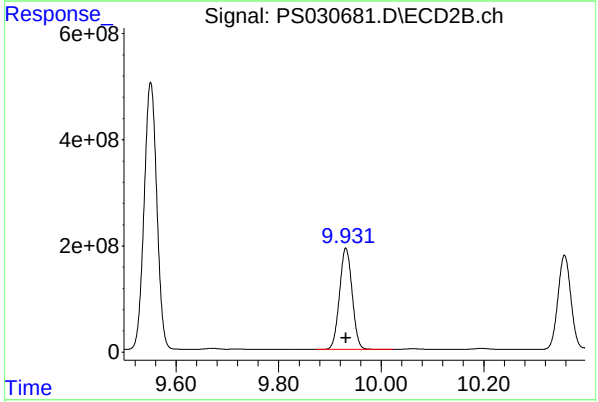
#11 2,4,5-TP (SILVEX)

R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 4428973800
Conc: 216.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

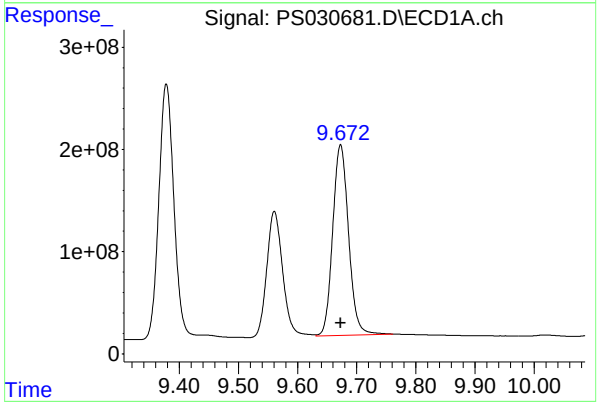
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



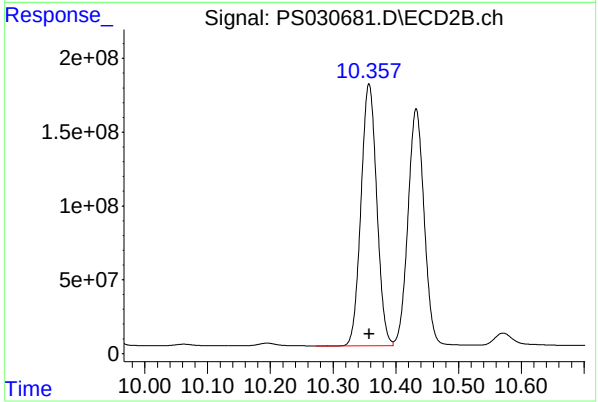
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 3244577677
Conc: 220.36 ng/ml



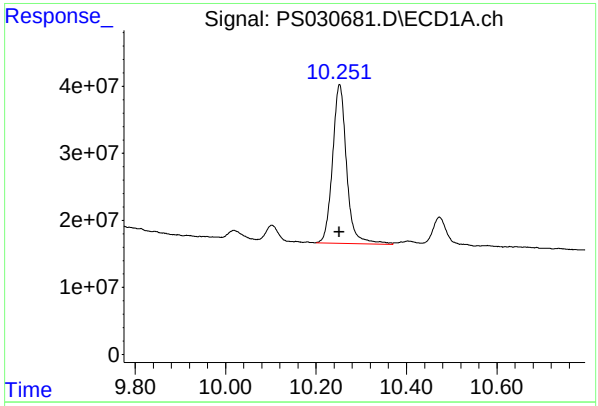
#12 2,4,5-T

R.T.: 9.673 min
Delta R.T.: 0.000 min
Response: 3470500571
Conc: 206.63 ng/ml



#12 2,4,5-T

R.T.: 10.357 min
Delta R.T.: 0.000 min
Response: 3100277358
Conc: 219.52 ng/ml



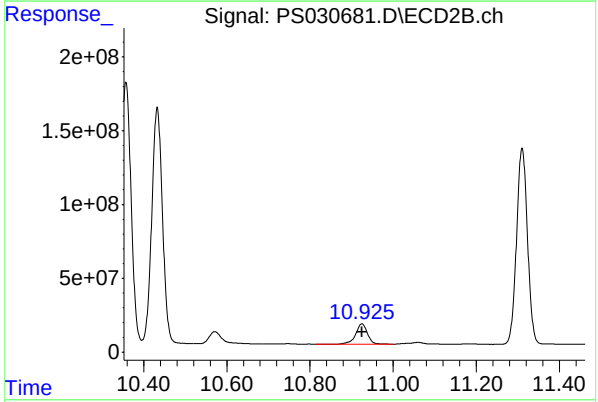
#13 2,4-DB

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 510633172
Conc: 206.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

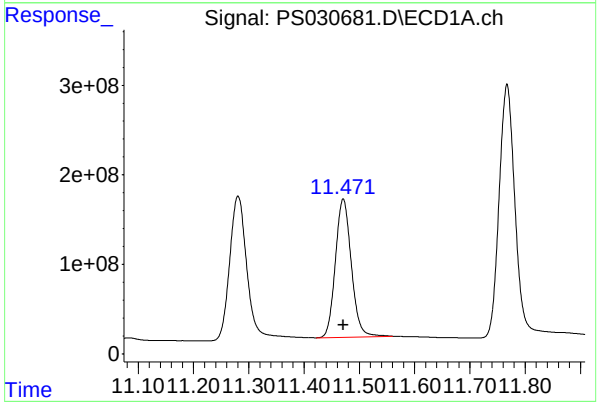
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



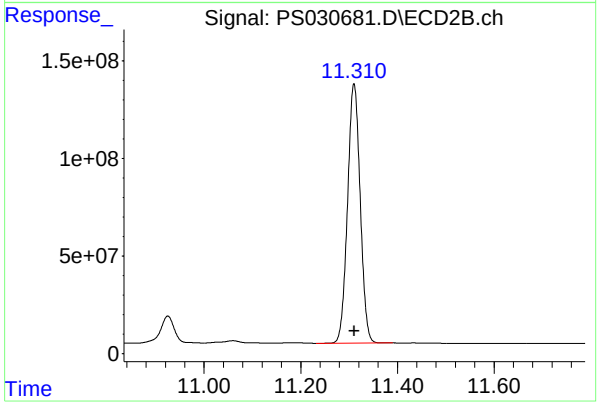
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 272352860
Conc: 224.32 ng/ml



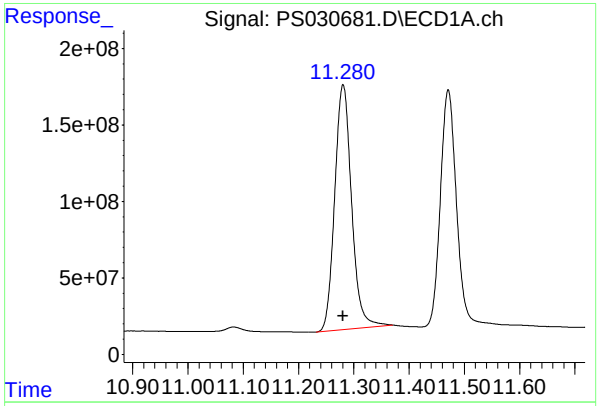
#14 DINOSEB

R.T.: 11.471 min
Delta R.T.: 0.000 min
Response: 3090327103
Conc: 214.07 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 2416051536
Conc: 216.18 ng/ml



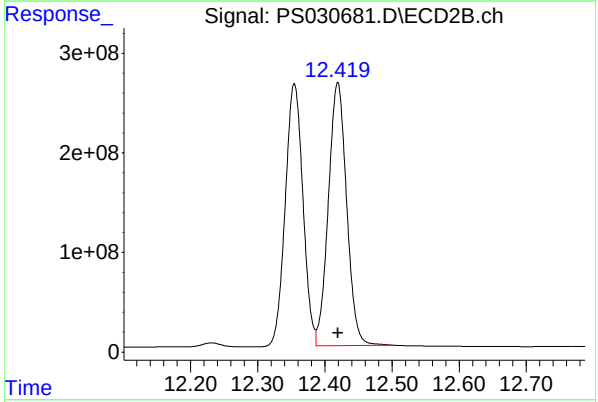
#15 Picloram

R.T.: 11.281 min
Delta R.T.: 0.000 min
Response: 3391796908
Conc: 203.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

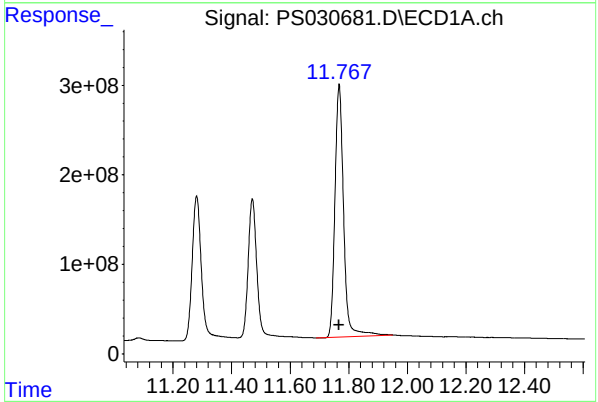
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



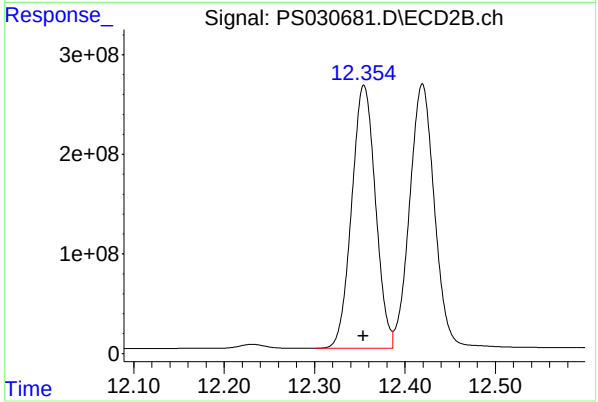
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 4996726037
Conc: 205.79 ng/ml



#16 DCPA

R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 5786485296
Conc: 218.16 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 4827255066
Conc: 219.22 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030682.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 10:20
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:32:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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	7.351	7.768	1928.2E6	543.2E6	535.186m	526.079
	Target Compounds						
1) T	Dalapon	2.708	2.710	2765.3E6	1274.0E6	463.050m	472.234
2) T	3,5-DICHL...	6.510	6.713	2564.1E6	753.7E6	492.162	487.367
3) T	4-Nitroph...	7.151	7.299	742.0E6	769.6E6	475.328	466.865
5) T	DICAMBA	7.542	7.971	7439.5E6	3117.8E6	490.802	485.111
6) T	MCPP	7.723	8.068	437.7E6	104.2E6	45.879	47.243
7) T	MCPA	7.873	8.317	540.9E6	147.3E6	46.242	46.299
8) T	DICHLORPROP	8.257	8.690	1731.7E6	725.4E6	501.626	494.729
9) T	2,4-D	8.490	9.025	1599.0E6	791.7E6	491.110	493.651
10) T	Pentachlo...	8.797	9.551	26597.4E6	18719.5E6	514.398	498.079
11) T	2,4,5-TP ...	9.378	9.931	9624.6E6	6932.5E6	493.620	497.302
12) T	2,4,5-T	9.673	10.358	7883.0E6	6647.0E6	483.443	496.369
13) T	2,4-DB	10.252	10.925	1150.4E6	568.7E6	479.604	498.377
14) T	DINOSEB	11.471	11.310	6689.8E6	5179.8E6	485.881	487.828
15) T	Picloram	11.279	12.419	7715.4E6	11458.3E6	473.539	485.368
16) T	DCPA	11.767	12.354	12733.7E6	10578.6E6	502.909	504.275m

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

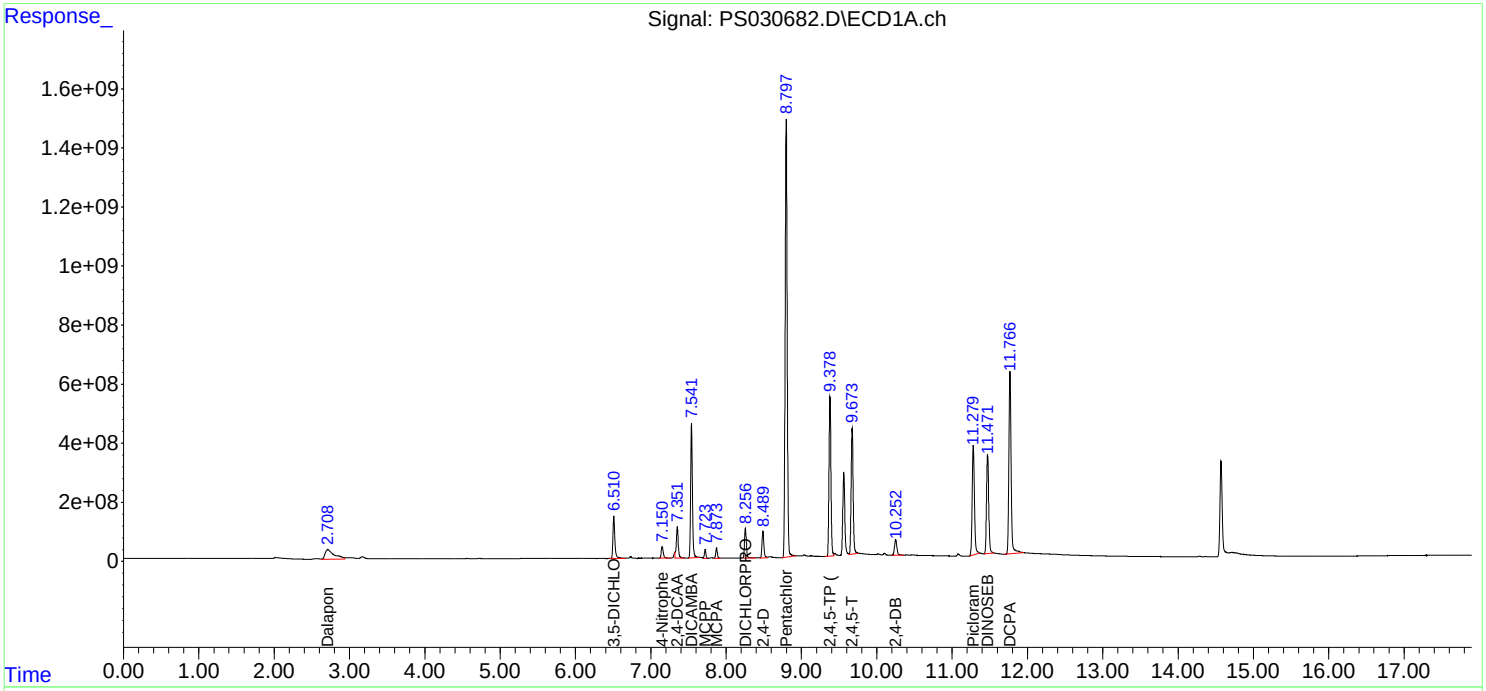
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030682.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 10:20
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

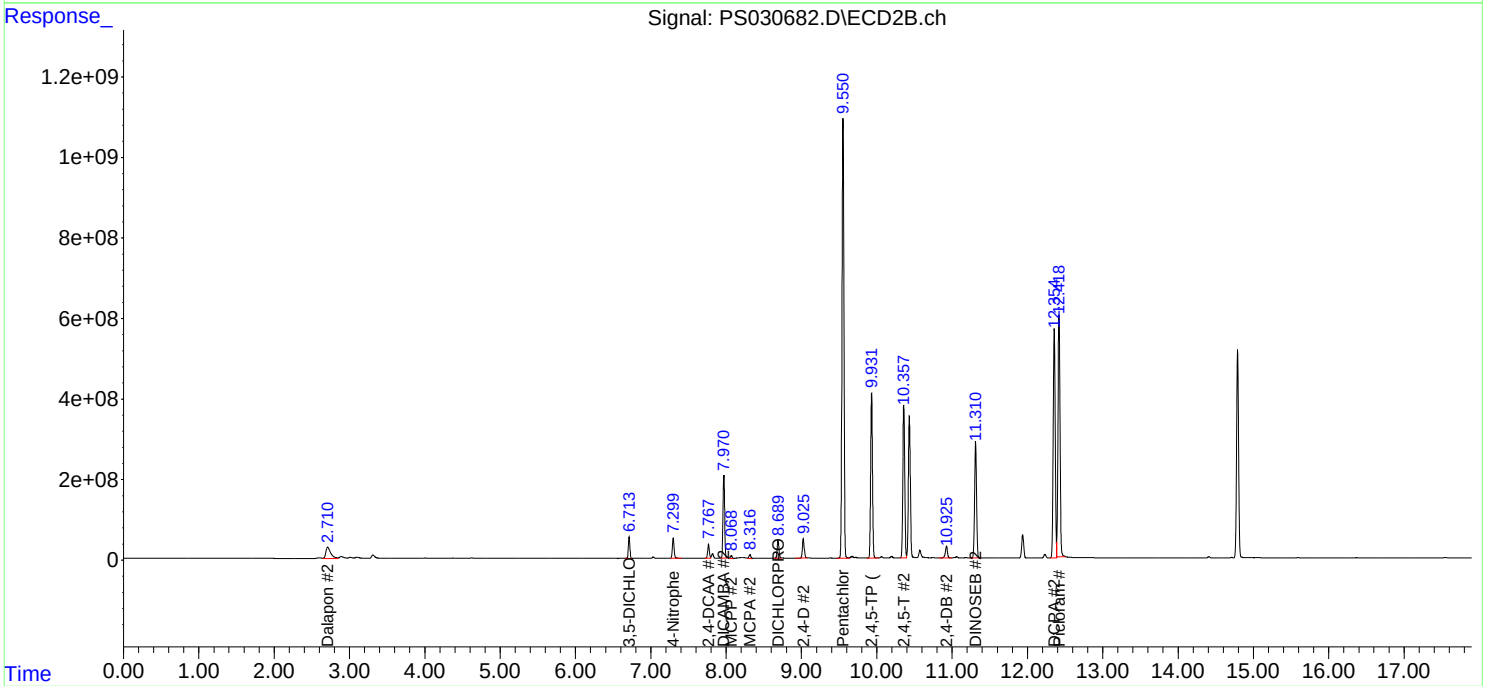
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

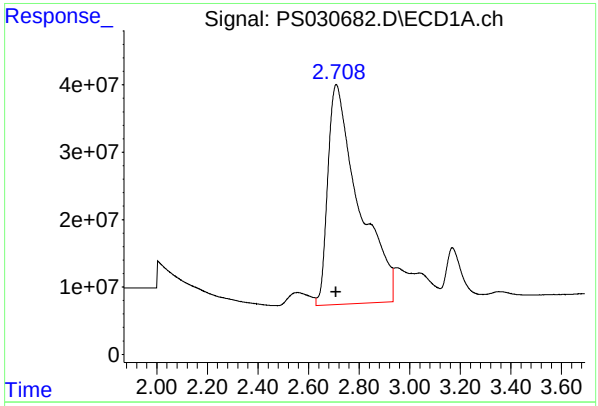
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:32:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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







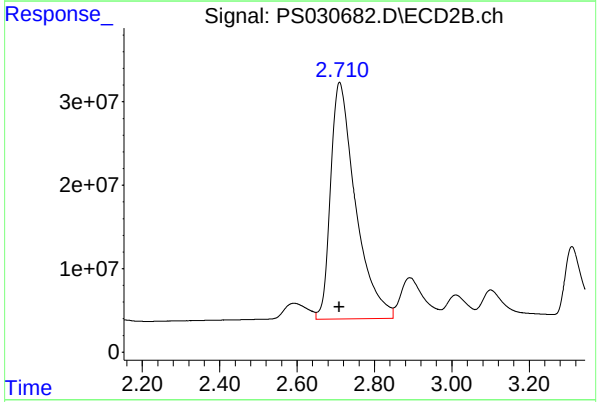
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 2765341727
Conc: 463.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

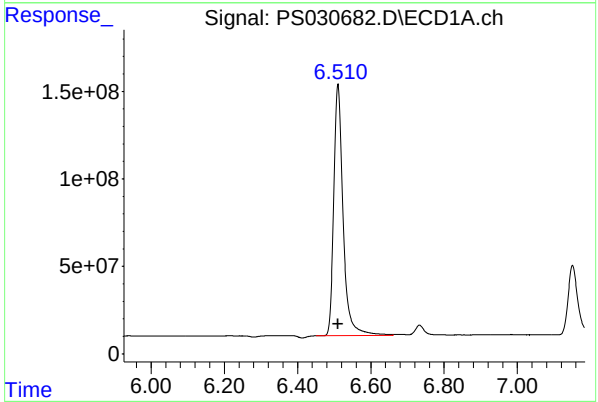
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



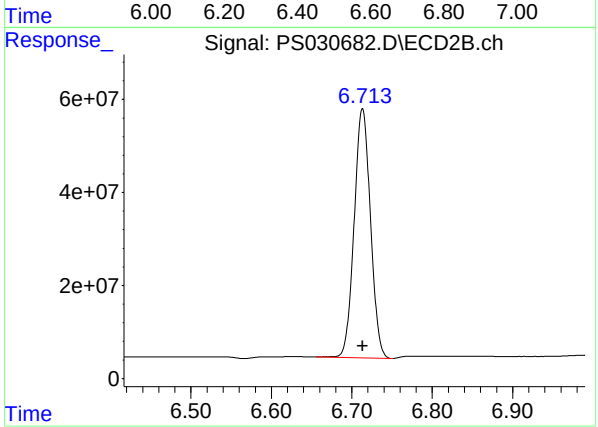
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 1274025880
Conc: 472.23 ng/ml



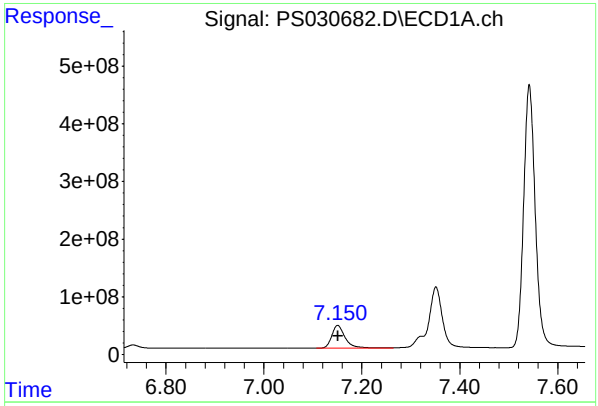
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 2564140086
Conc: 492.16 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 753697037
Conc: 487.37 ng/ml



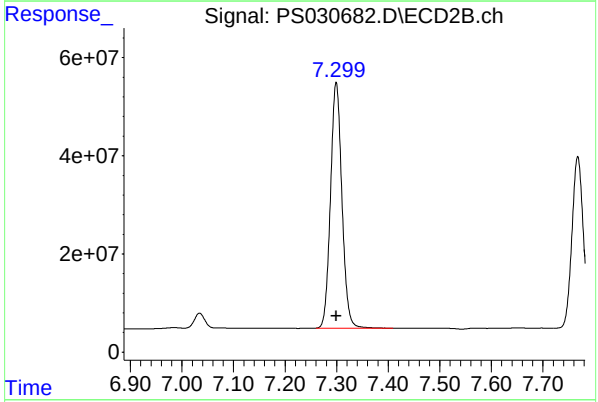
#3 4-Nitrophenol

R.T.: 7.151 min
Delta R.T.: 0.000 mi
Response: 741968915
Conc: 475.33 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

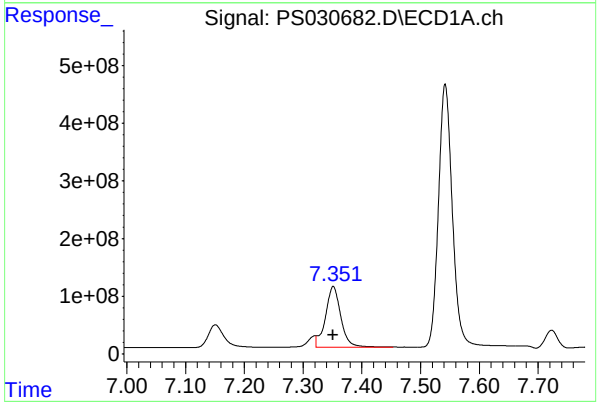
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



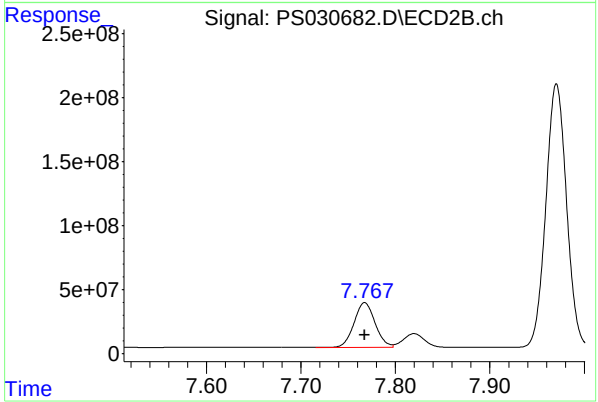
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 769568639
Conc: 466.86 ng/ml



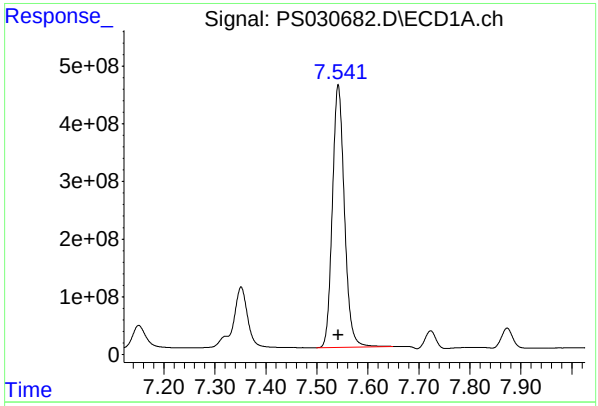
#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 1928180381
Conc: 535.19 ng/ml m



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 543230920
Conc: 526.08 ng/ml



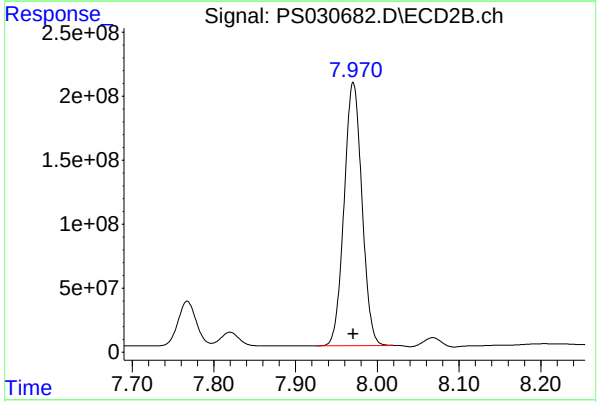
#5 DICAMBA

R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 7439453672
Conc: 490.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

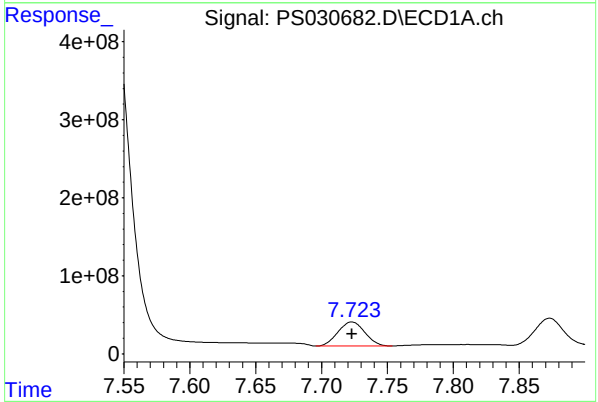
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



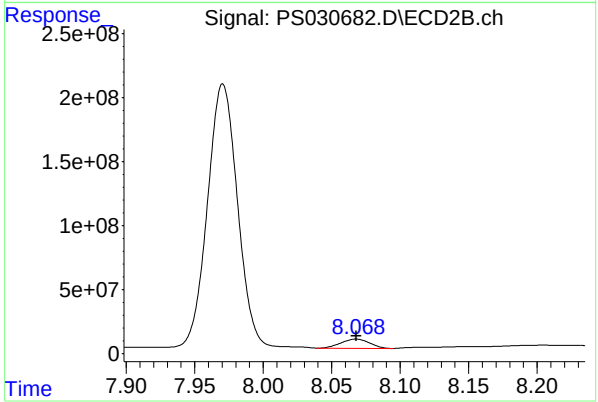
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 3117796345
Conc: 485.11 ng/ml



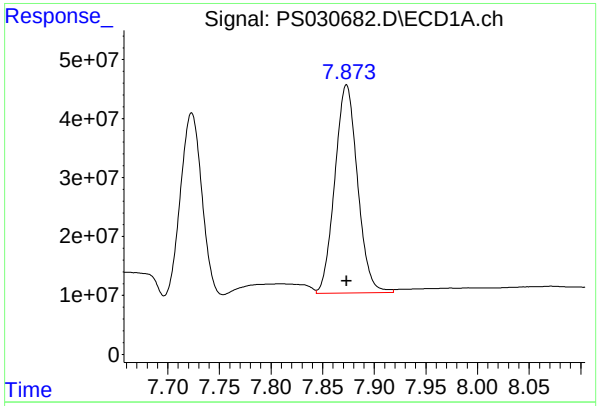
#6 MCPP

R.T.: 7.723 min
Delta R.T.: 0.000 min
Response: 437650741
Conc: 45.88 ug/ml



#6 MCPP

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 104218288
Conc: 47.24 ug/ml



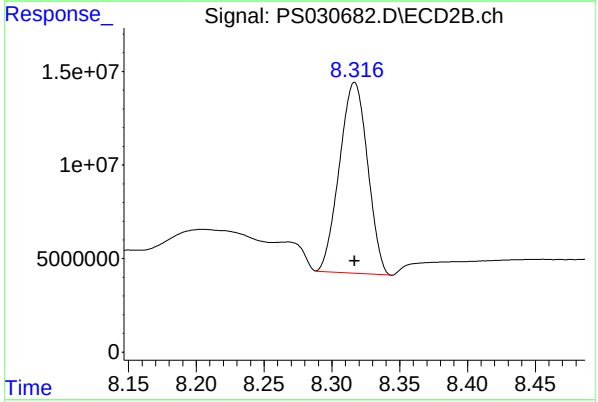
#7 MCPA

R.T.: 7.873 min
Delta R.T.: 0.000 min
Response: 540922205
Conc: 46.24 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

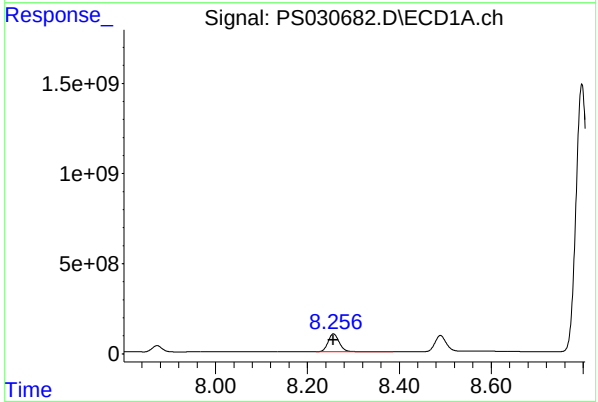
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



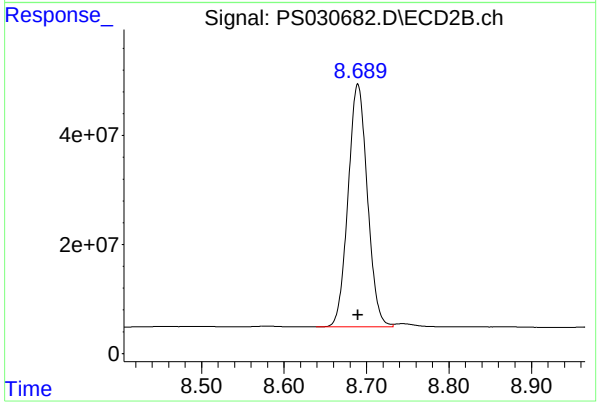
#7 MCPA

R.T.: 8.317 min
Delta R.T.: 0.000 min
Response: 147264816
Conc: 46.30 ug/ml



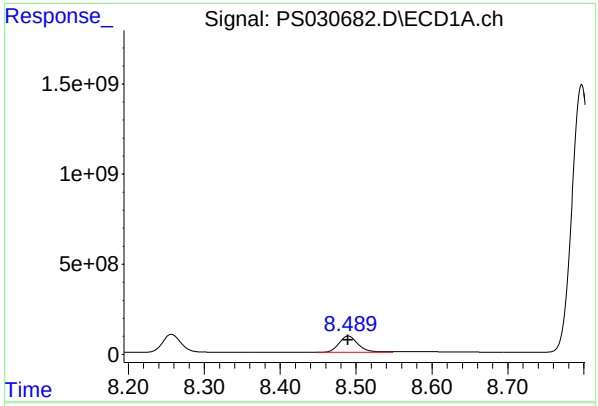
#8 DICHLORPROP

R.T.: 8.257 min
Delta R.T.: 0.000 min
Response: 1731720156
Conc: 501.63 ng/ml



#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 725382063
Conc: 494.73 ng/ml



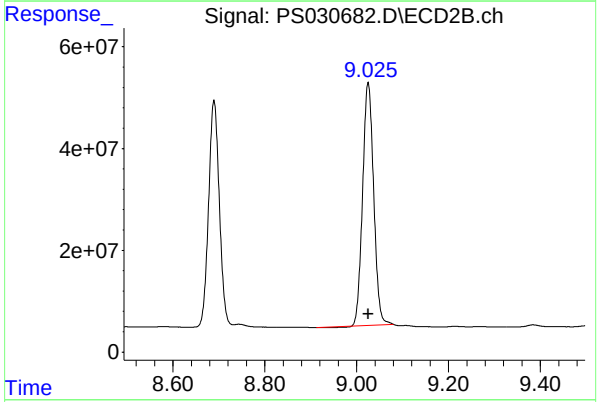
#9 2,4-D

R.T.: 8.490 min
Delta R.T.: 0.000 min
Response: 1599023072
Conc: 491.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

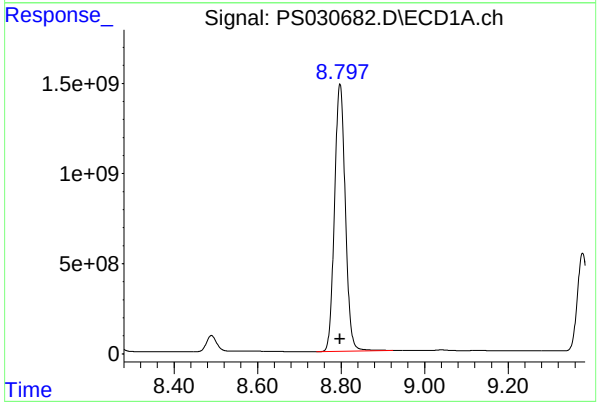
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



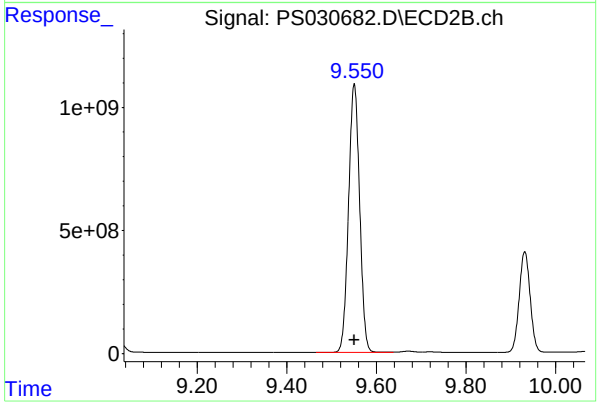
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 791650735
Conc: 493.65 ng/ml



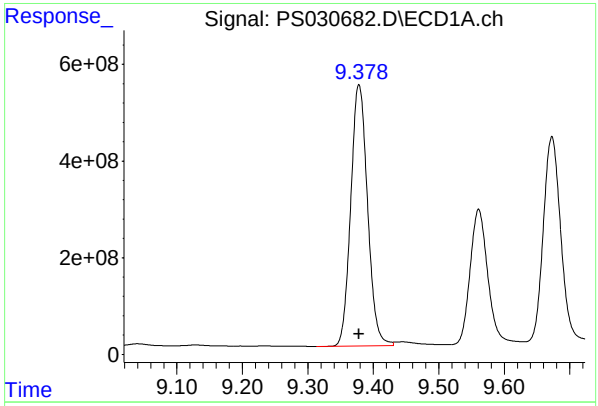
#10 Pentachlorophenol

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 26597428885
Conc: 514.40 ng/ml



#10 Pentachlorophenol

R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 18719497129
Conc: 498.08 ng/ml



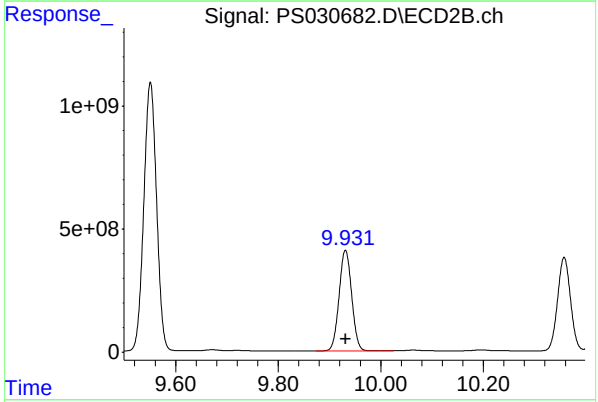
#11 2,4,5-TP (SILVEX)

R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 9624629260
Conc: 493.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

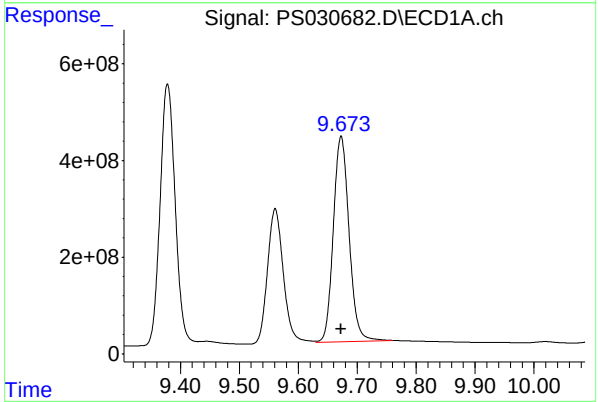
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



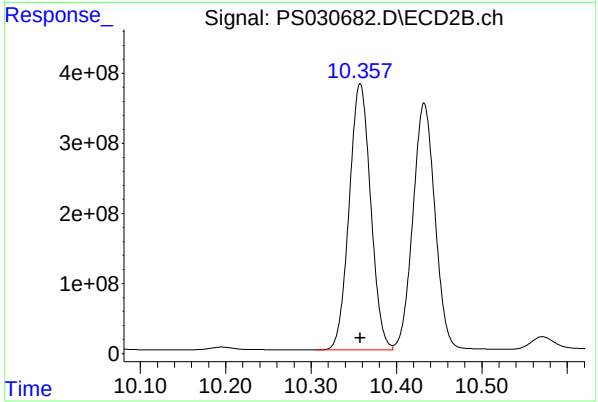
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 6932458261
Conc: 497.30 ng/ml



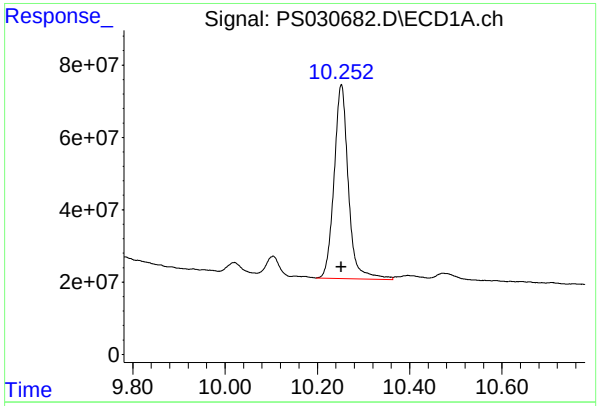
#12 2,4,5-T

R.T.: 9.673 min
Delta R.T.: 0.000 min
Response: 7883014305
Conc: 483.44 ng/ml



#12 2,4,5-T

R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 6647031428
Conc: 496.37 ng/ml



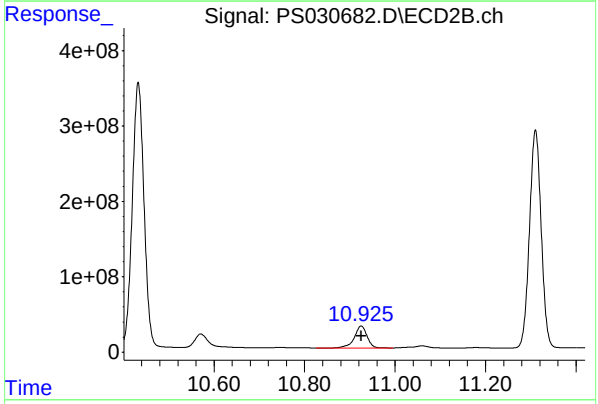
#13 2,4-DB

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 1150382491
Conc: 479.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

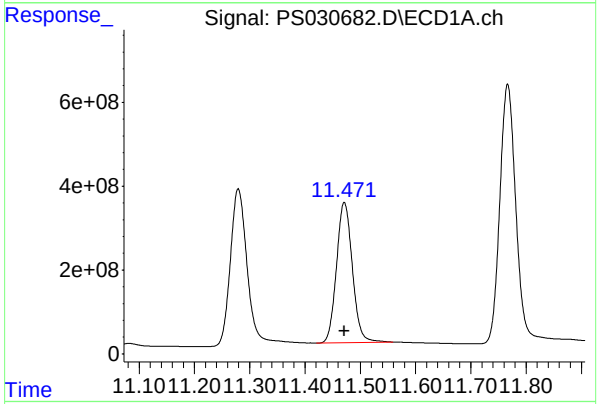
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



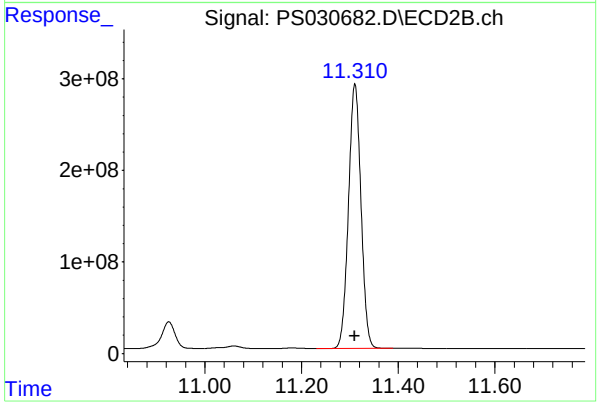
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 568665111
Conc: 498.38 ng/ml



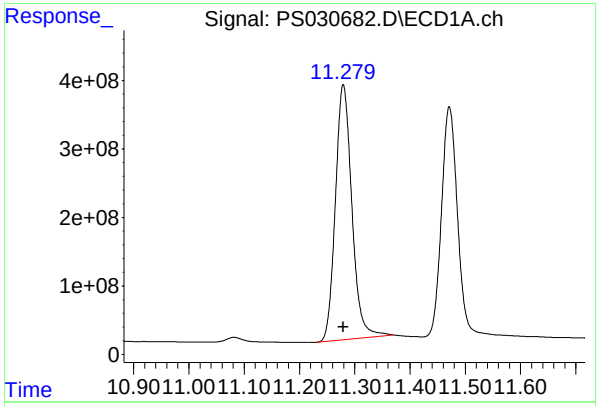
#14 DINOSEB

R.T.: 11.471 min
Delta R.T.: 0.000 min
Response: 6689804571
Conc: 485.88 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 5179760694
Conc: 487.83 ng/ml



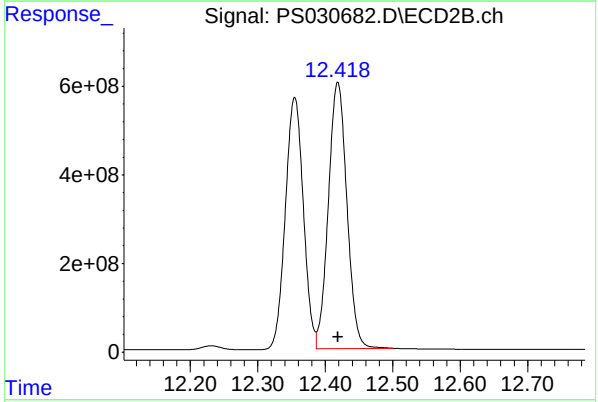
#15 Picloram

R.T.: 11.279 min
Delta R.T.: 0.000 min
Response: 7715395797
Conc: 473.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

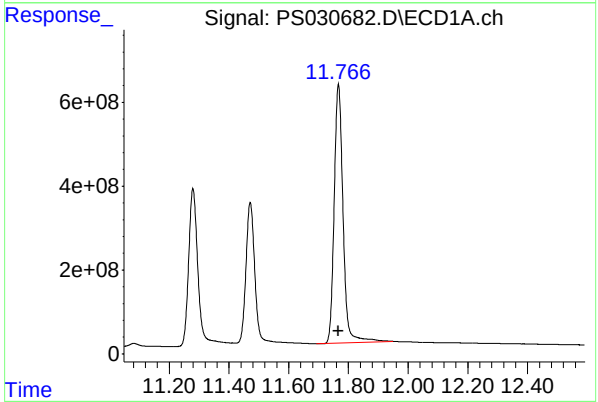
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



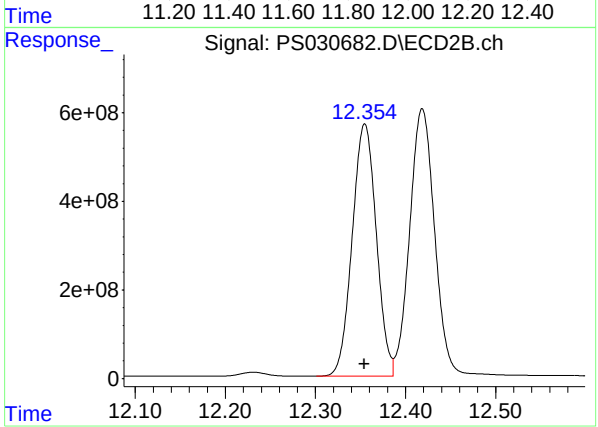
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 11458309175
Conc: 485.37 ng/ml



#16 DCPA

R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 12733725304
Conc: 502.91 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 10578638040
Conc: 504.28 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030683.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 10:44
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:24:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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	7.350	7.768	2613.6E6	754.7E6	737.966m	750.000
	Target Compounds						
1) T	Dalapon	2.709	2.709	4039.6E6	1799.3E6	682.500	682.500
2) T	3,5-DICHL...	6.509	6.713	3548.4E6	1052.9E6	697.500	697.500
3) T	4-Nitroph...	7.151	7.300	1040.1E6	1102.6E6	682.500	682.500
5) T	DICAMBA	7.542	7.971	10471.5E6	4437.7E6	705.000	705.000
6) T	MCPP	7.724	8.070	662.7E6	153.4E6	70.500	70.500
7) T	MCPA	7.874	8.319	799.8E6	219.4E6	69.750	69.750
8) T	DICHLORPROP	8.256	8.690	2360.0E6	1010.1E6	705.000	705.000
9) T	2,4-D	8.488	9.026	2235.4E6	1103.9E6	705.000	705.000
10) T	Pentachlo...	8.796	9.551	36925.2E6	26257.6E6	712.500	712.500
11) T	2,4,5-TP ...	9.377	9.932	13586.7E6	9730.6E6	712.500	712.500
12) T	2,4,5-T	9.671	10.358	11366.1E6	9338.5E6	712.500	712.500
13) T	2,4-DB	10.250	10.925	1661.3E6	793.3E6	712.500	712.500
14) T	DINOSEB	11.470	11.311	9488.0E6	7329.0E6	705.000	705.000
15) T	Picloram	11.278	12.419	11367.4E6	16595.5E6	712.500	712.500
16) T	DCPA	11.767	12.355	17851.5E6	14761.9E6	720.000	720.000

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

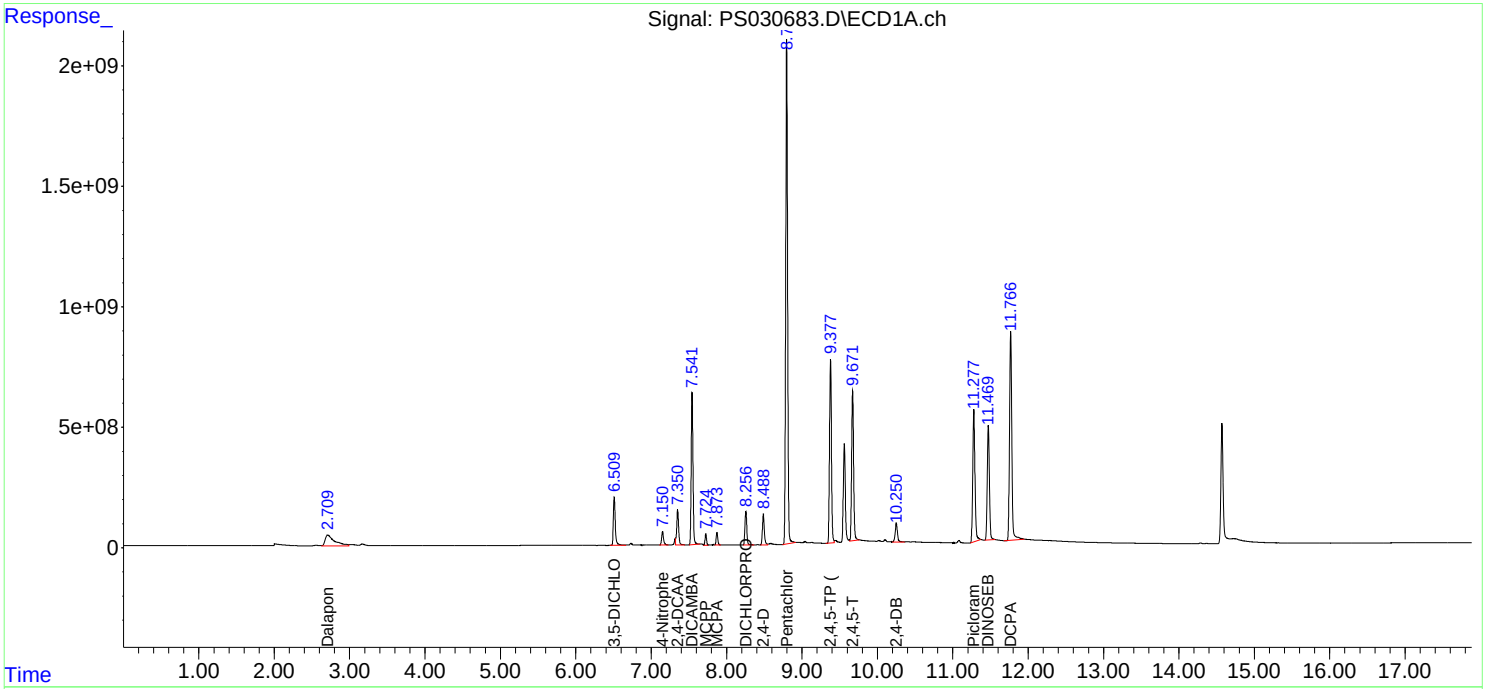
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030683.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 10:44
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

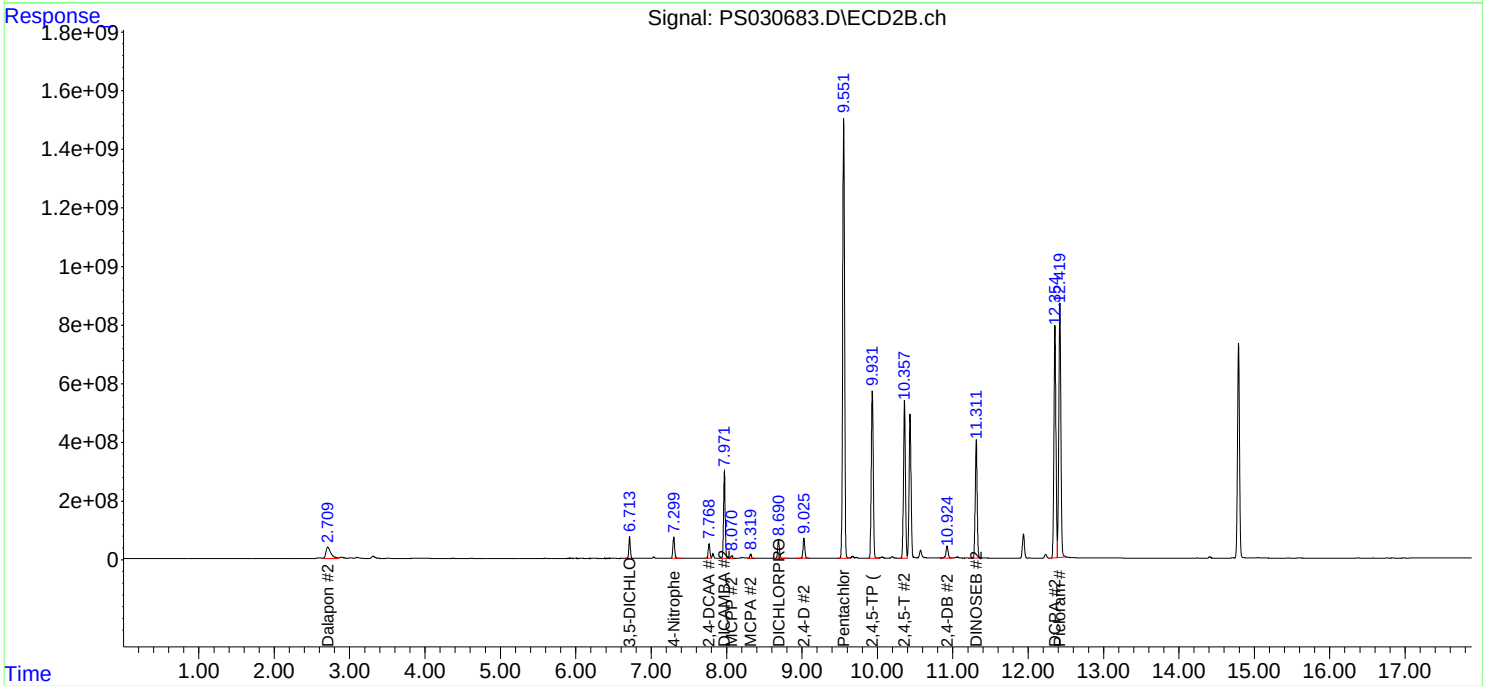
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

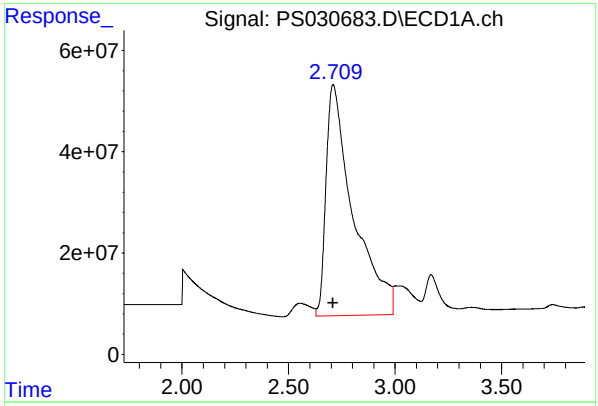
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:24:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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







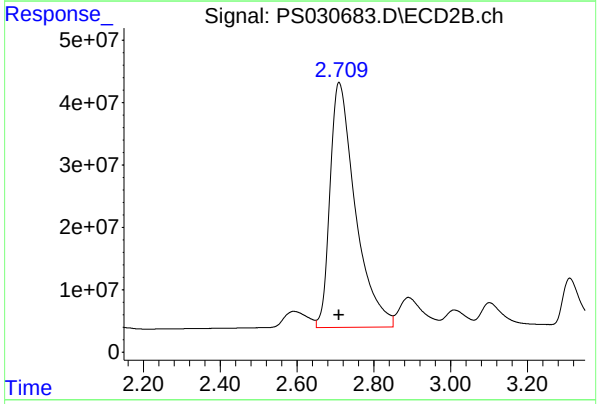
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 4039636382
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

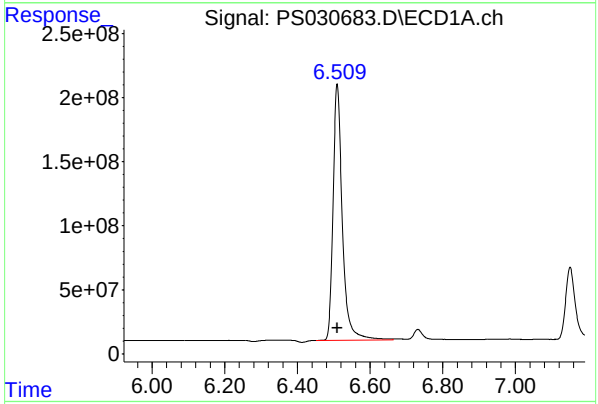
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



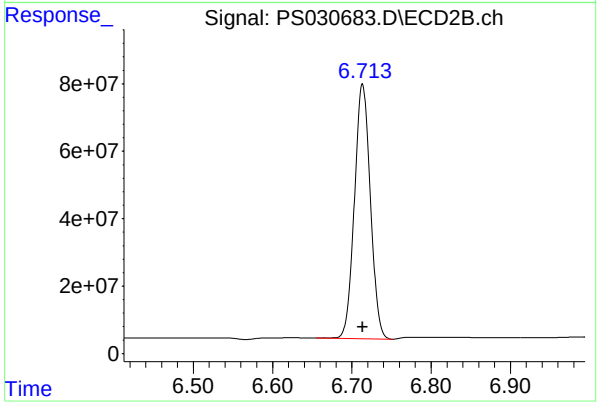
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 1799255624
Conc: 682.50 ng/ml



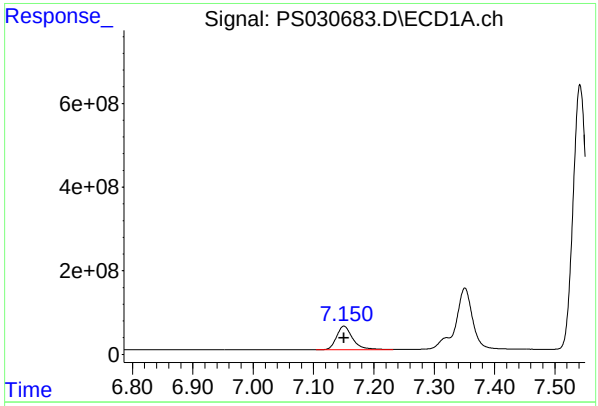
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.509 min
Delta R.T.: 0.000 min
Response: 3548364321
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1052946815
Conc: 697.50 ng/ml



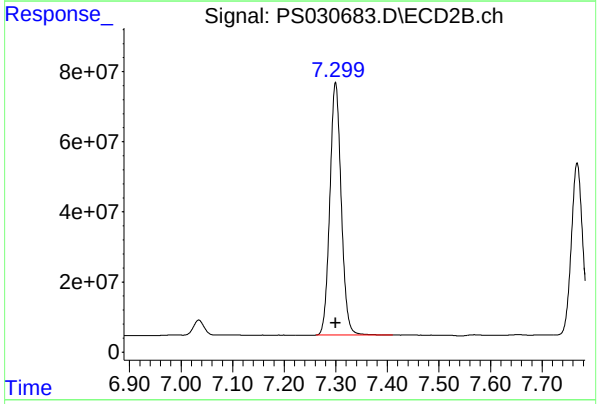
#3 4-Nitrophenol

R.T.: 7.151 min
Delta R.T.: 0.000 mi
Response: 1040090683
Conc: 682.50 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

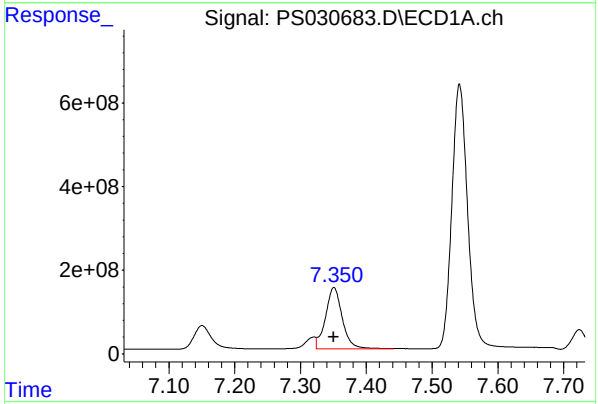
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



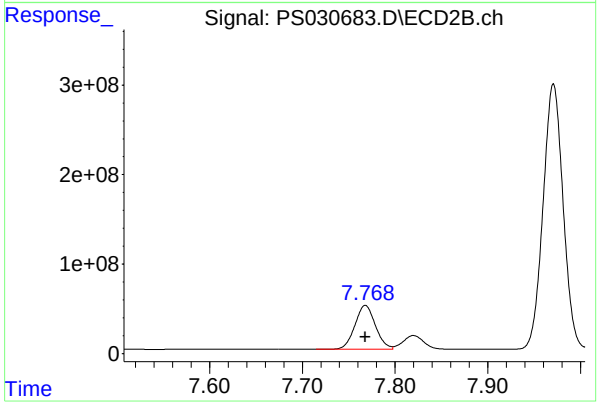
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 1102573846
Conc: 682.50 ng/ml



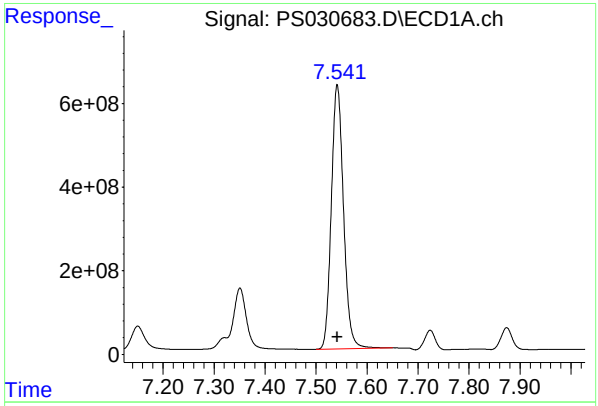
#4 2,4-DCAA

R.T.: 7.350 min
Delta R.T.: 0.000 min
Response: 2613565463
Conc: 737.97 ng/ml m



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 754716601
Conc: 750.00 ng/ml



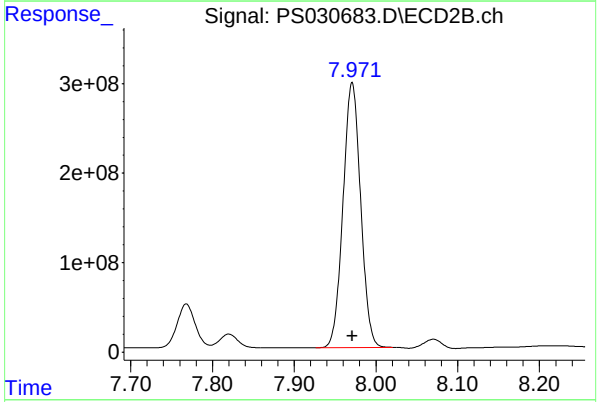
#5 DICAMBA

R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 10471481735
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

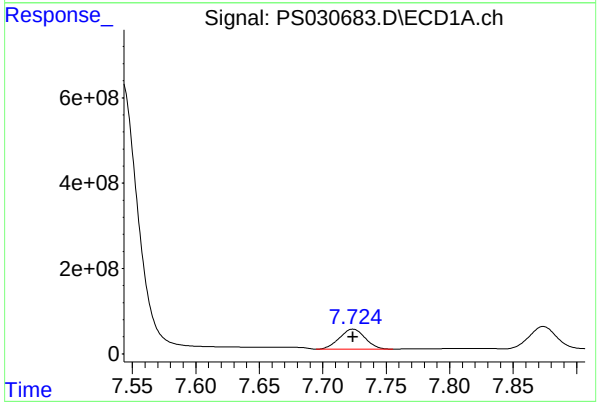
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



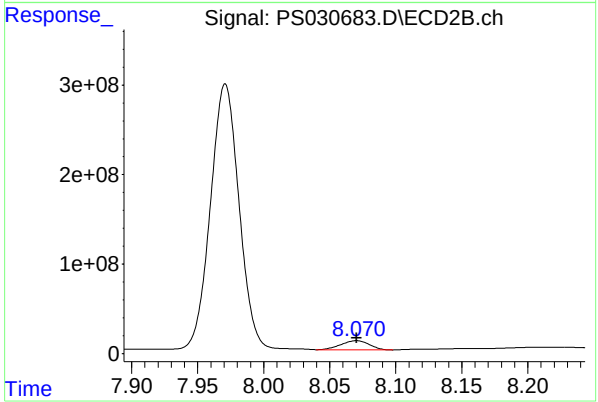
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 4437696761
Conc: 705.00 ng/ml



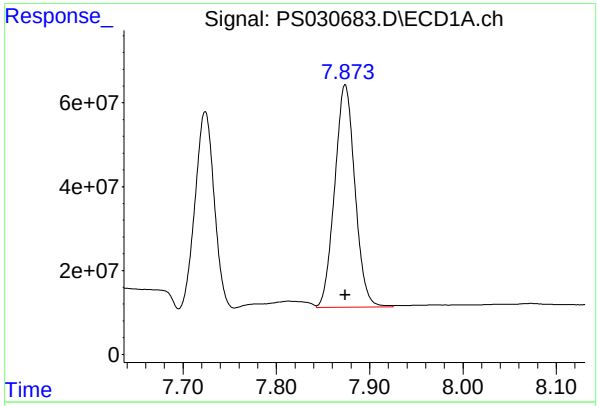
#6 MCPP

R.T.: 7.724 min
Delta R.T.: 0.000 min
Response: 662716290
Conc: 70.50 ug/ml



#6 MCPP

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 153427257
Conc: 70.50 ug/ml



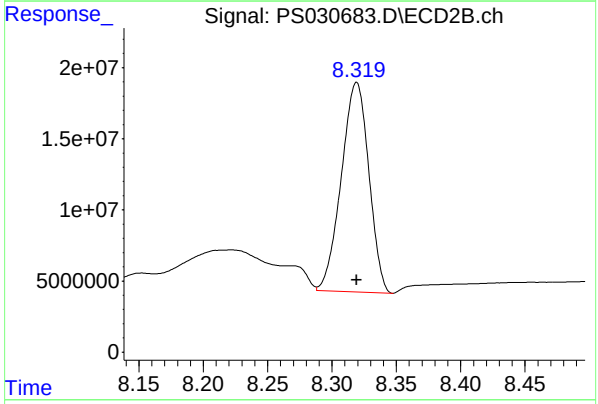
#7 MCPA

R.T.: 7.874 min
Delta R.T.: 0.000 min
Response: 799819020
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

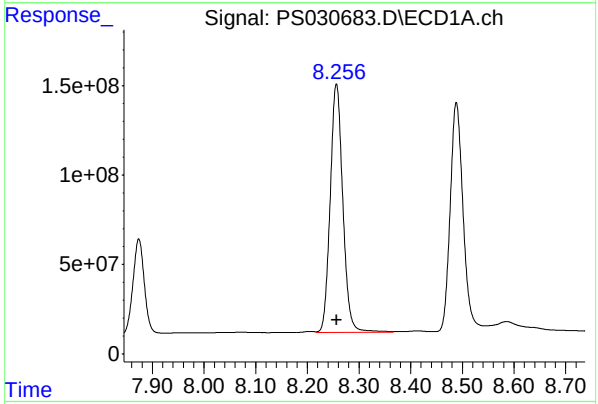
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



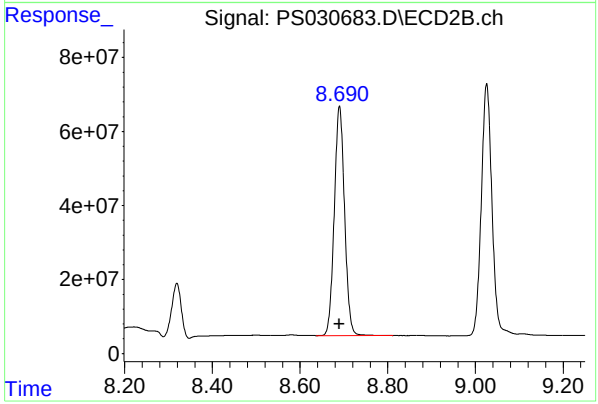
#7 MCPA

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 219371752
Conc: 69.75 ug/ml



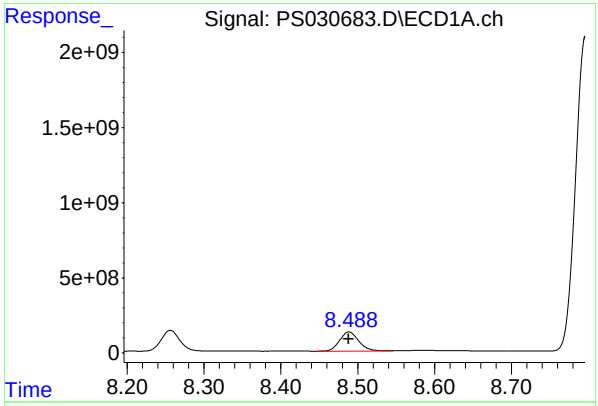
#8 DICHLORPROP

R.T.: 8.256 min
Delta R.T.: 0.000 min
Response: 2360006300
Conc: 705.00 ng/ml



#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 1010117313
Conc: 705.00 ng/ml



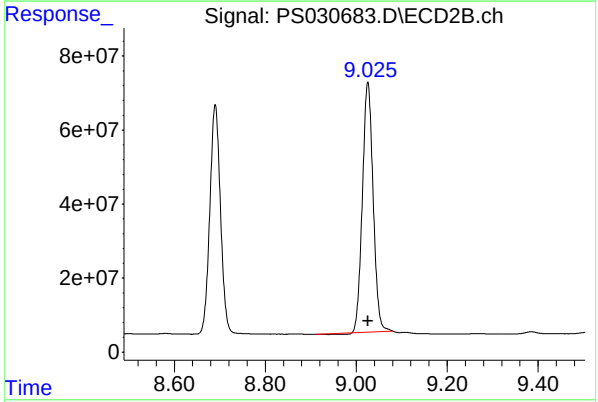
#9 2,4-D

R.T.: 8.488 min
Delta R.T.: 0.000 min
Response: 2235436172
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

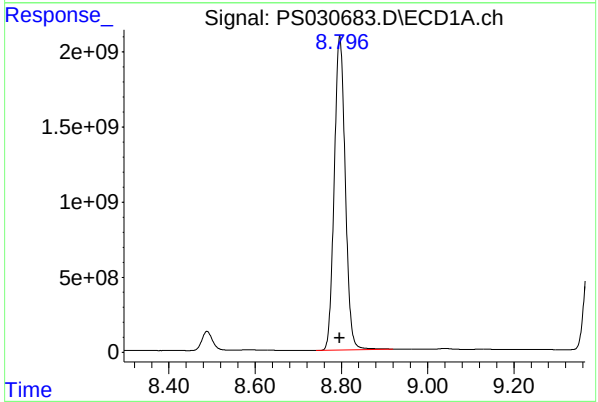
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



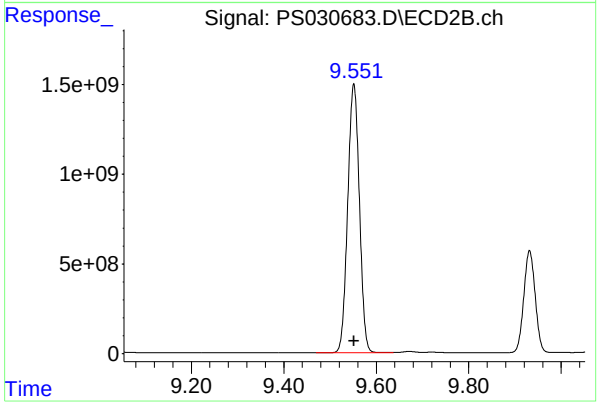
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 1103917344
Conc: 705.00 ng/ml



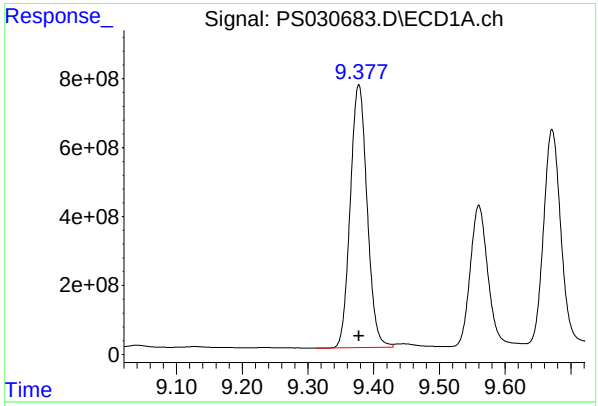
#10 Pentachlorophenol

R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 36925167148
Conc: 712.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 26257626845
Conc: 712.50 ng/ml



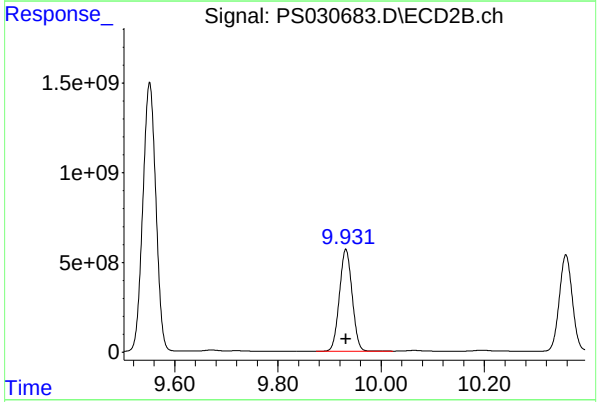
#11 2,4,5-TP (SILVEX)

R.T.: 9.377 min
Delta R.T.: 0.000 min
Response: 13586668493
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

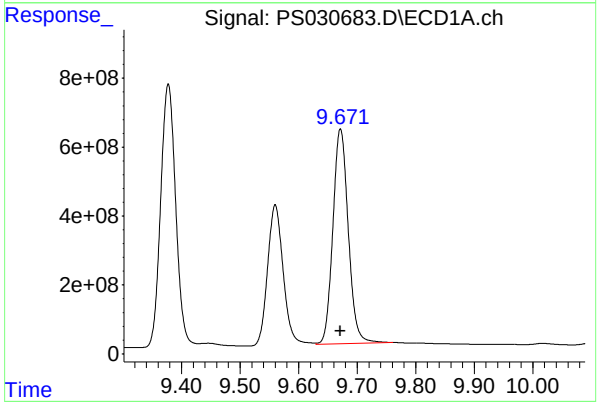
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



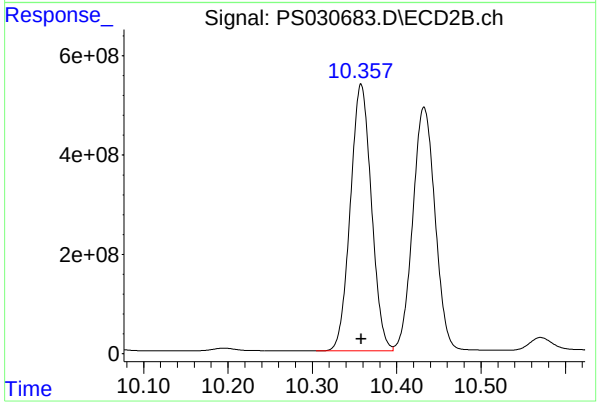
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 9730574673
Conc: 712.50 ng/ml



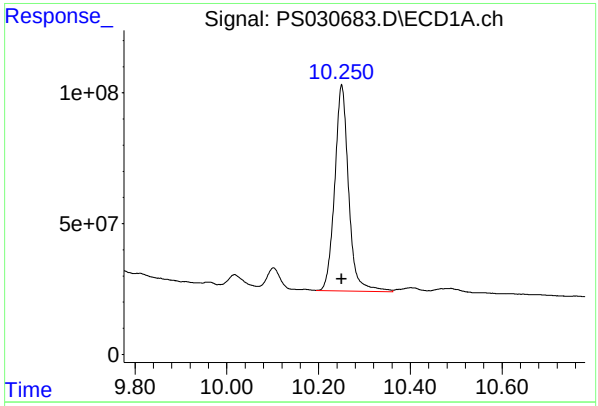
#12 2,4,5-T

R.T.: 9.671 min
Delta R.T.: 0.000 min
Response: 11366138863
Conc: 712.50 ng/ml



#12 2,4,5-T

R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 9338482174
Conc: 712.50 ng/ml



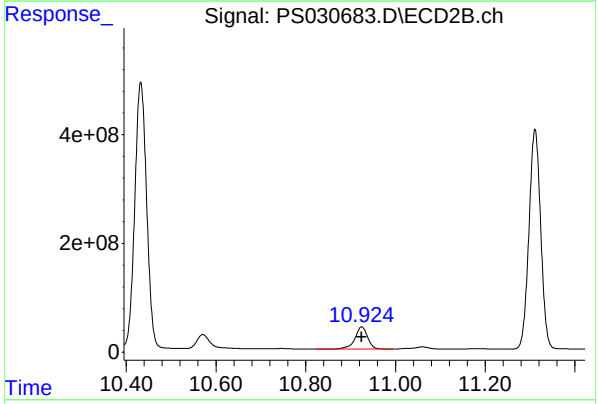
#13 2,4-DB

R.T.: 10.250 min
Delta R.T.: 0.000 min
Response: 1661320120
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

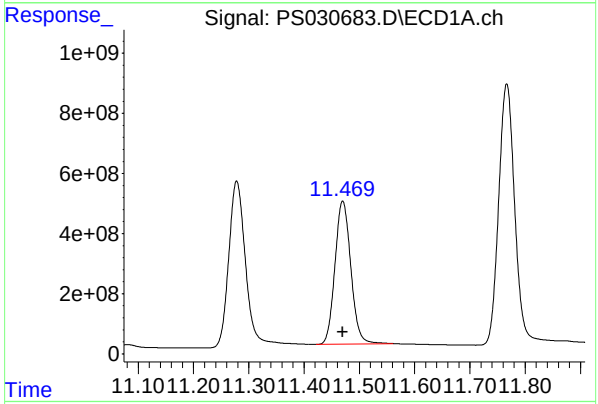
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



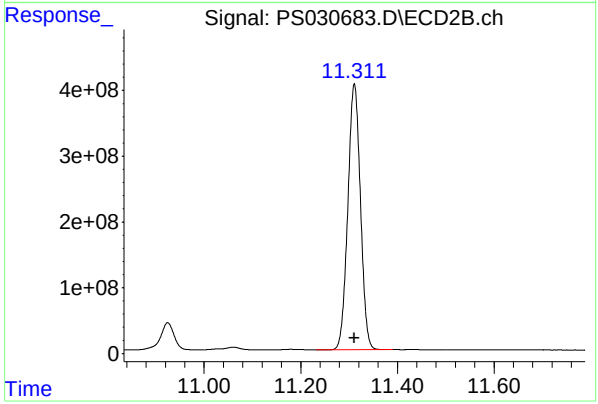
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 793324746
Conc: 712.50 ng/ml



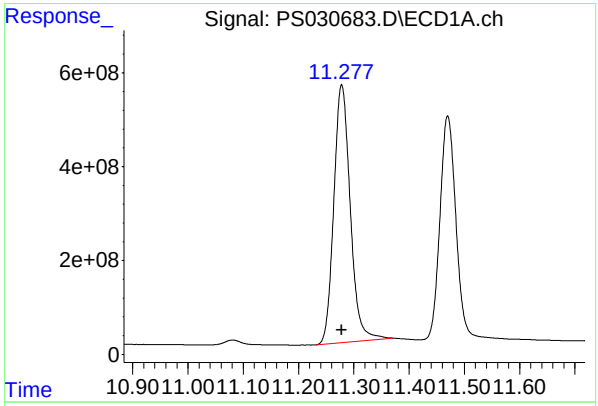
#14 DINOSEB

R.T.: 11.470 min
Delta R.T.: 0.000 min
Response: 9488008611
Conc: 705.00 ng/ml



#14 DINOSEB

R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 7329018424
Conc: 705.00 ng/ml



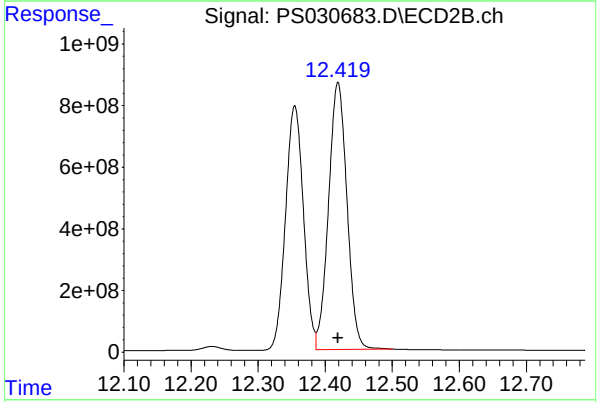
#15 Picloram

R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 11367366820
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

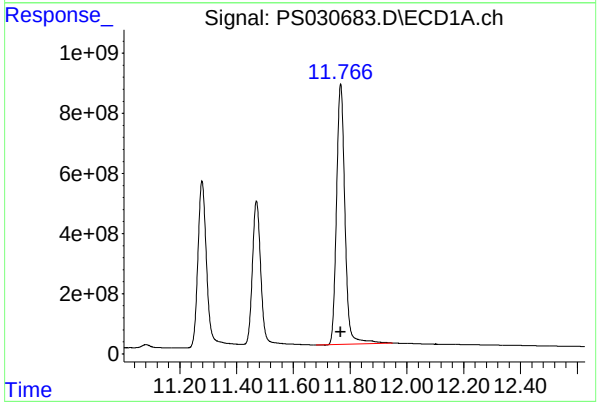
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



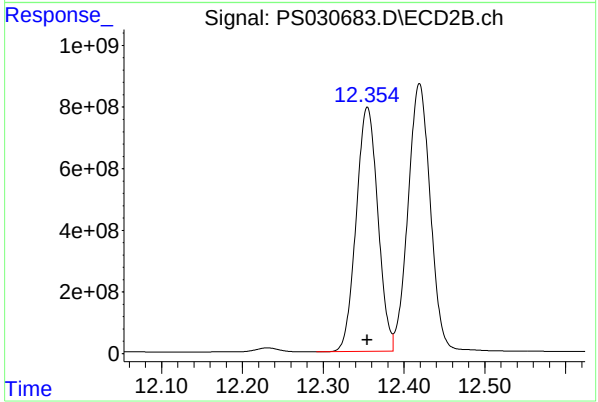
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 16595546626
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 17851468635
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 14761860487
Conc: 720.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030684.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:09
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:29:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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	7.351	7.768	3444.8E6	1005.1E6	940.439m	999.390
	Target Compounds						
1) T	Dalapon	2.708	2.710	5275.8E6	2418.1E6	900.580	913.612
2) T	3,5-DICHL...	6.510	6.713	4676.3E6	1403.3E6	924.580	929.799
3) T	4-Nitroph...	7.151	7.299	1390.7E6	1490.8E6	911.282	916.371
5) T	DICAMBA	7.542	7.971	13904.0E6	5971.6E6	938.043	944.319
6) T	MCPP	7.726	8.072	931.2E6	209.1E6	96.462	95.025
7) T	MCPA	7.876	8.321	1115.4E6	300.4E6	95.087	94.240
8) T	DICHLORPROP	8.257	8.689	3125.1E6	1337.2E6	936.769	936.614
9) T	2,4-D	8.489	9.026	3003.1E6	1467.1E6	943.540	938.482
10) T	Pentachlo...	8.800	9.551	44933.4E6	34663.5E6	906.618	945.274
11) T	2,4,5-TP ...	9.378	9.932	18204.7E6	12890.4E6	952.331	946.925
12) T	2,4,5-T	9.672	10.357	15551.2E6	12419.8E6	962.262	948.798
13) T	2,4-DB	10.251	10.925	2320.2E6	1056.8E6	972.010	949.587
14) T	DINOSEB	11.471	11.310	12796.6E6	9811.2E6	945.391	941.882
15) T	Picloram	11.278	12.419	15847.9E6	22237.3E6	971.186	952.353
16) T	DCPA	11.766	12.354	23652.6E6	19597.5E6	956.978	957.858m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030684.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:09
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

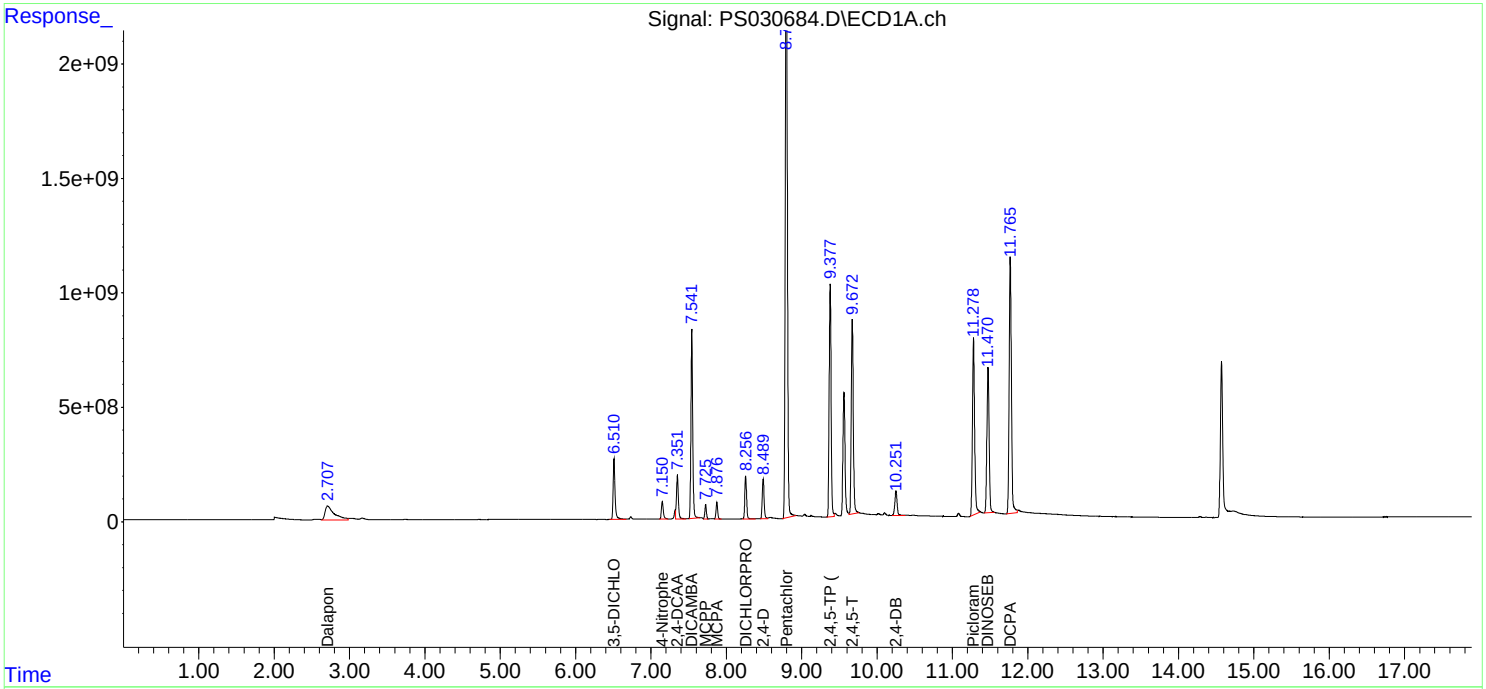
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

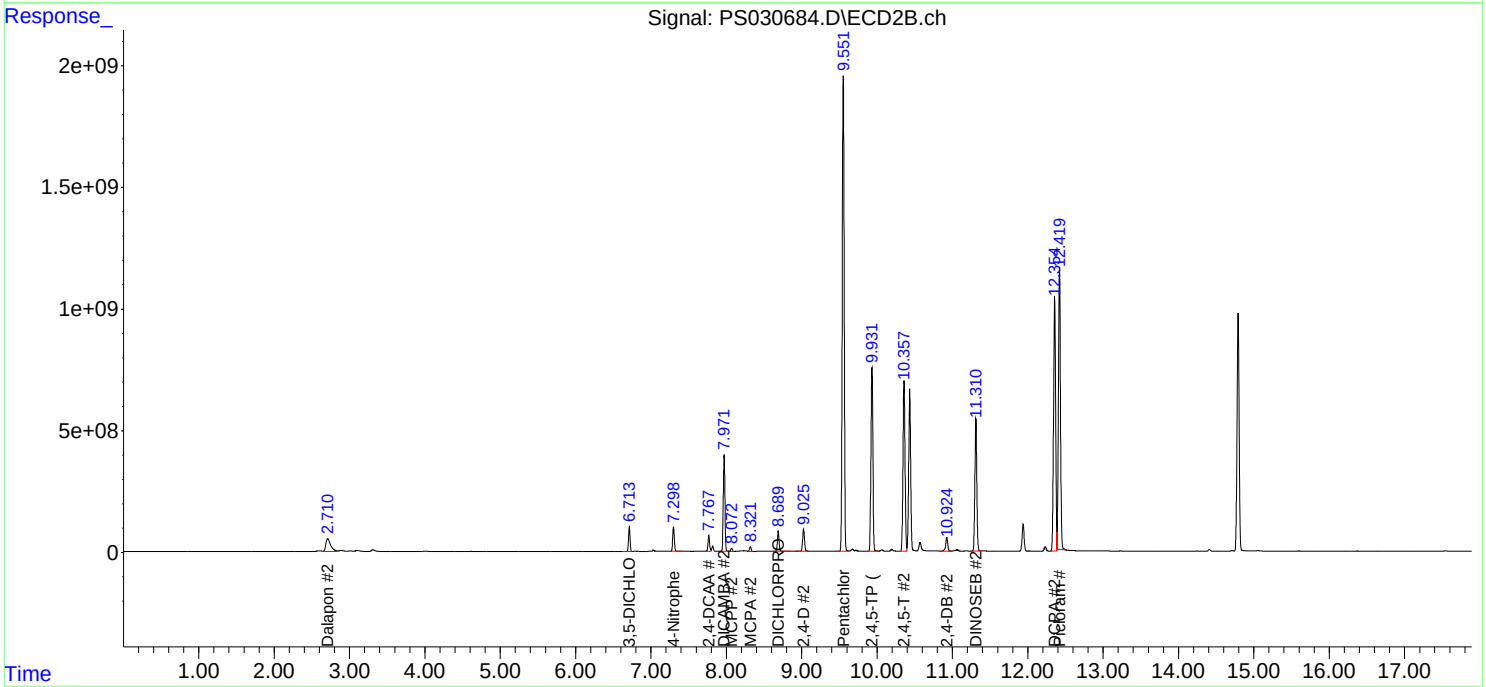
Manual Integrations APPROVED

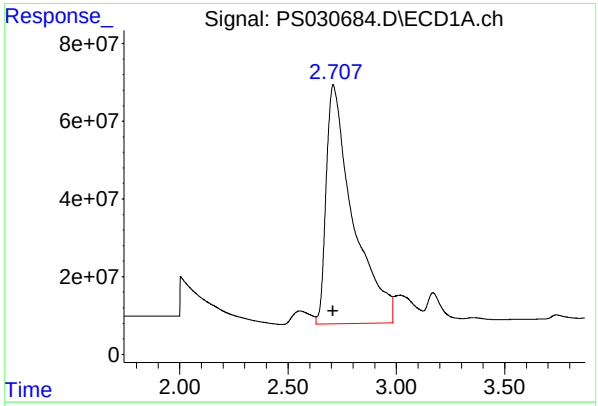
Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:29:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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







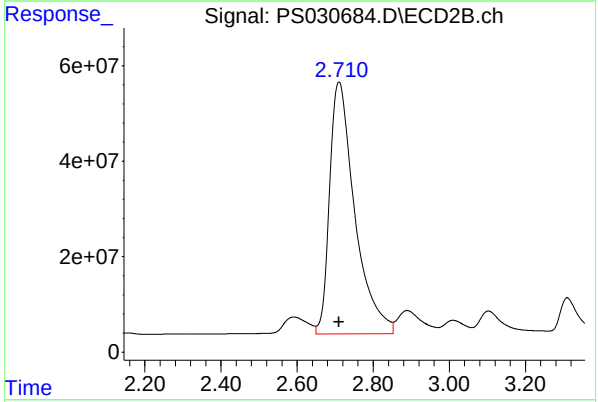
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 5275811124
Conc: 900.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

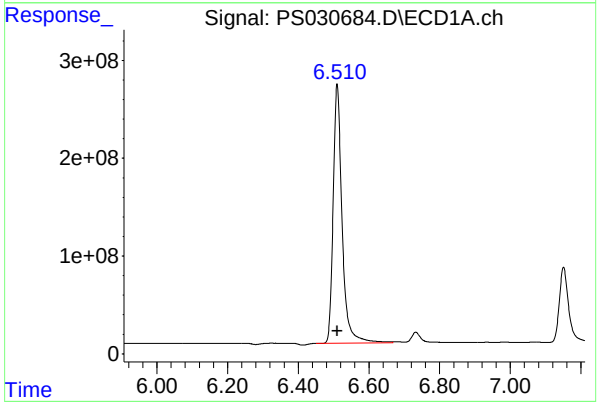
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



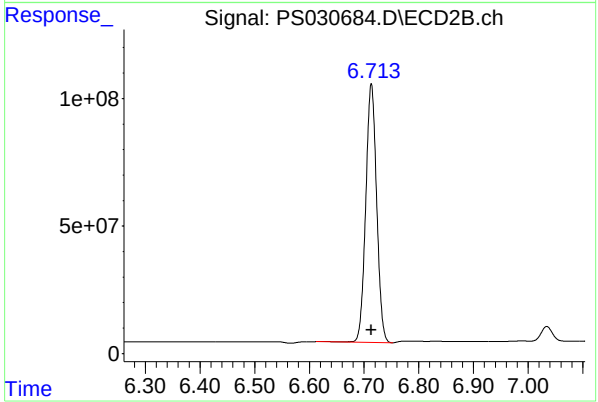
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 2418130122
Conc: 913.61 ng/ml



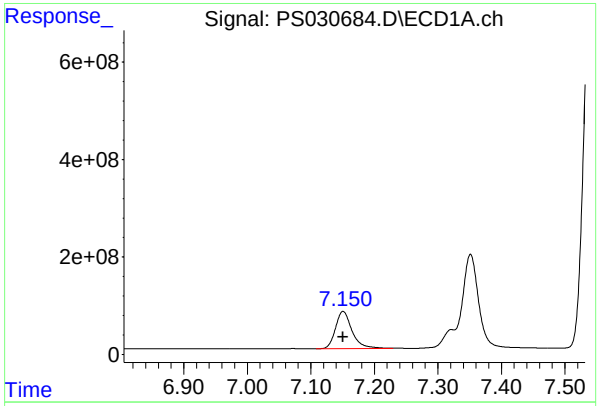
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 4676329142
Conc: 924.58 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1403323106
Conc: 929.80 ng/ml



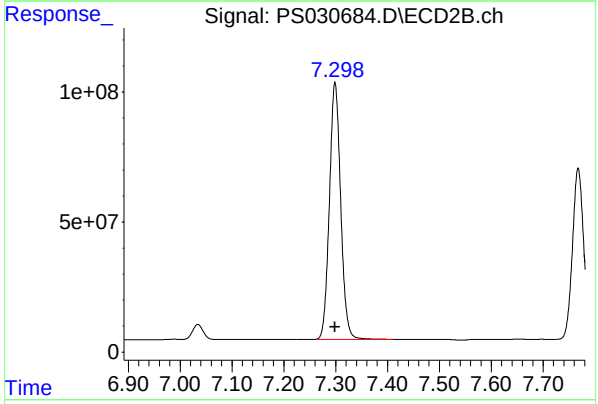
#3 4-Nitrophenol

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 1390700972
Conc: 911.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

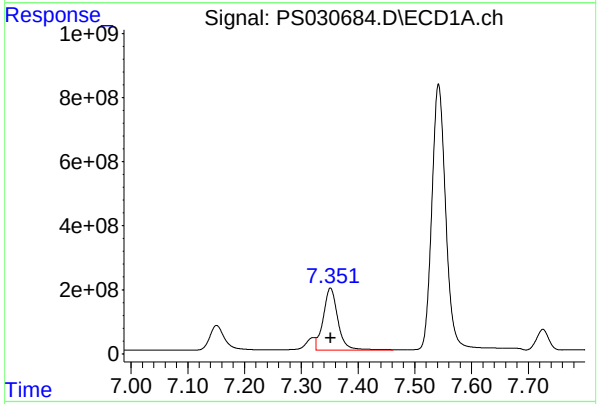
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



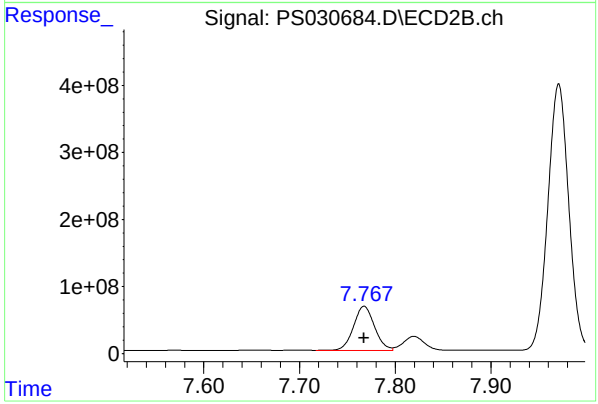
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1490829258
Conc: 916.37 ng/ml



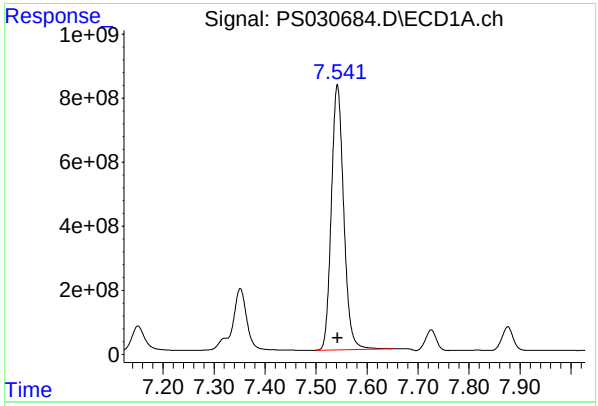
#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 3444779612
Conc: 940.44 ng/ml m



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 1005061215
Conc: 999.39 ng/ml



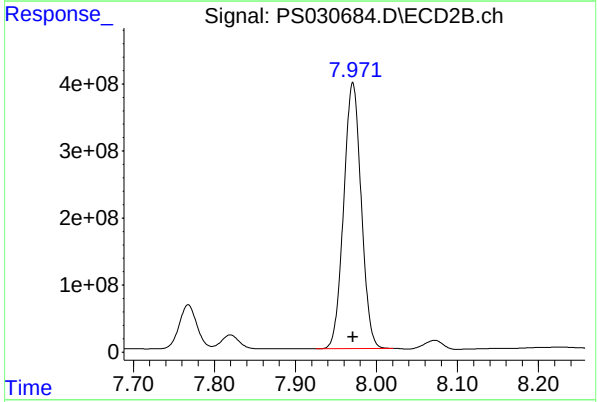
#5 DICAMBA

R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 13903954650
Conc: 938.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

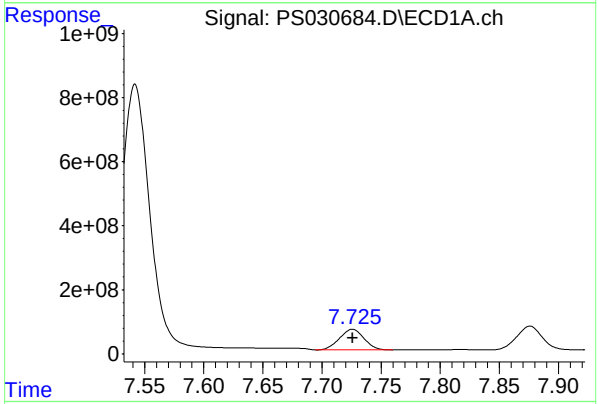
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



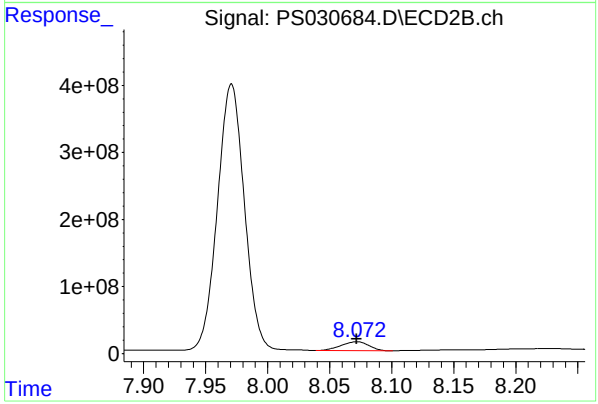
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 5971558462
Conc: 944.32 ng/ml



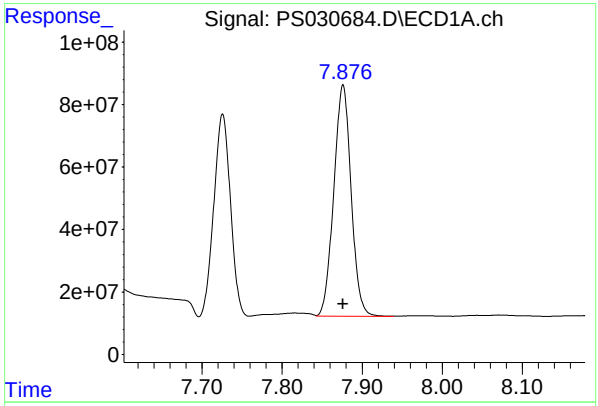
#6 MCPP

R.T.: 7.726 min
Delta R.T.: 0.000 min
Response: 931153265
Conc: 96.46 ug/ml



#6 MCPP

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 209080560
Conc: 95.03 ug/ml



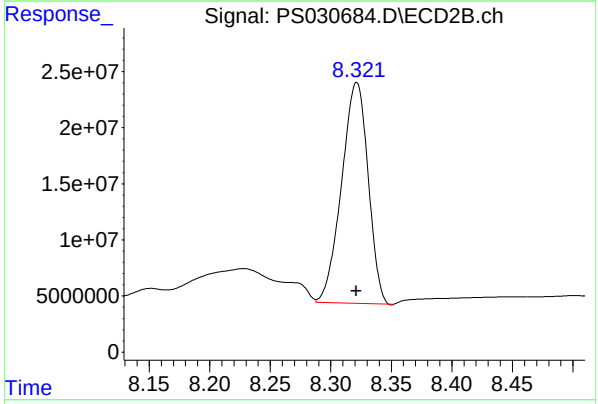
#7 MCPA

R.T.: 7.876 min
Delta R.T.: 0.000 min
Response: 1115394846
Conc: 95.09 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

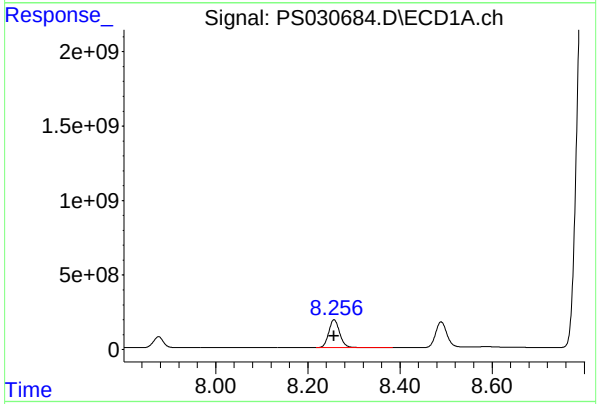
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



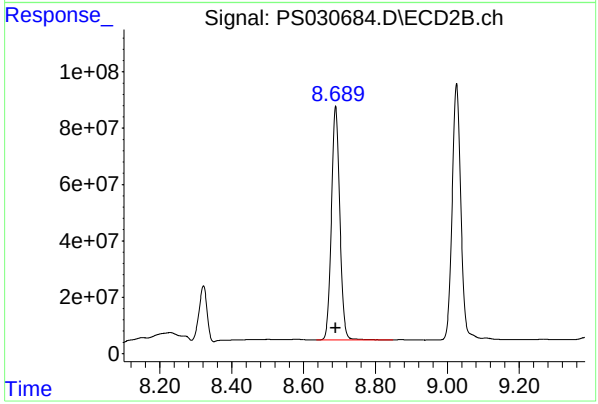
#7 MCPA

R.T.: 8.321 min
Delta R.T.: 0.000 min
Response: 300399266
Conc: 94.24 ug/ml



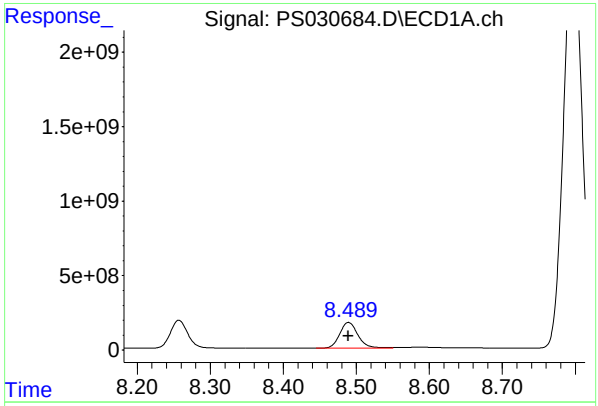
#8 DICHLORPROP

R.T.: 8.257 min
Delta R.T.: 0.000 min
Response: 3125118358
Conc: 936.77 ng/ml



#8 DICHLORPROP

R.T.: 8.689 min
Delta R.T.: 0.000 min
Response: 1337156248
Conc: 936.61 ng/ml



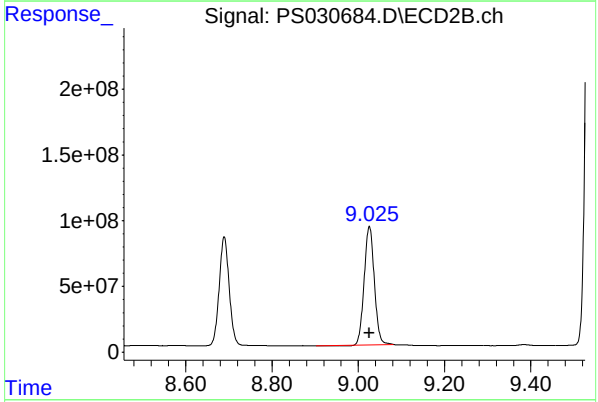
#9 2,4-D

R.T.: 8.489 min
Delta R.T.: 0.000 min
Response: 3003113742
Conc: 943.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

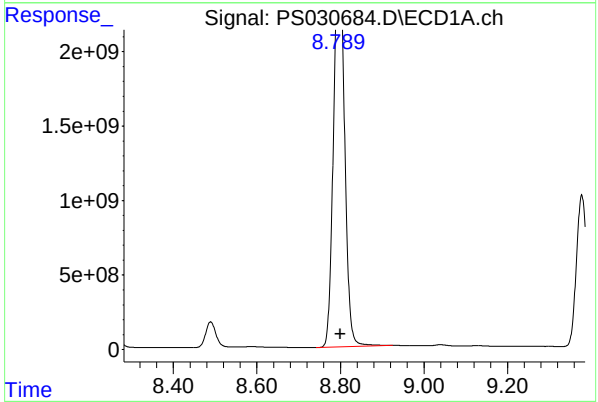
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



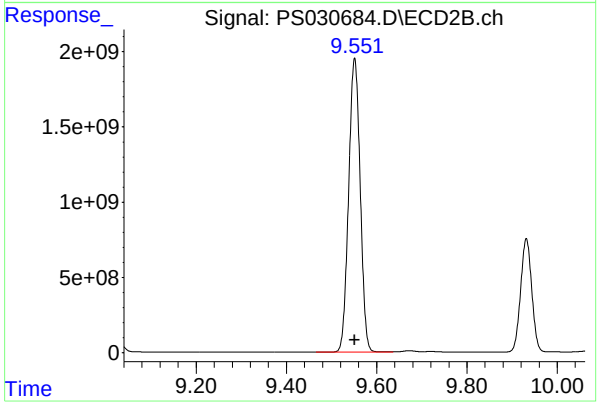
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 1467143650
Conc: 938.48 ng/ml



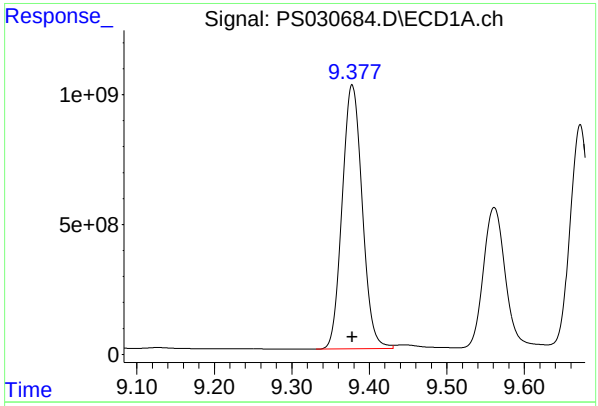
#10 Pentachlorophenol

R.T.: 8.800 min
Delta R.T.: 0.000 min
Response: 44933444165
Conc: 906.62 ng/ml



#10 Pentachlorophenol

R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 34663546114
Conc: 945.27 ng/ml



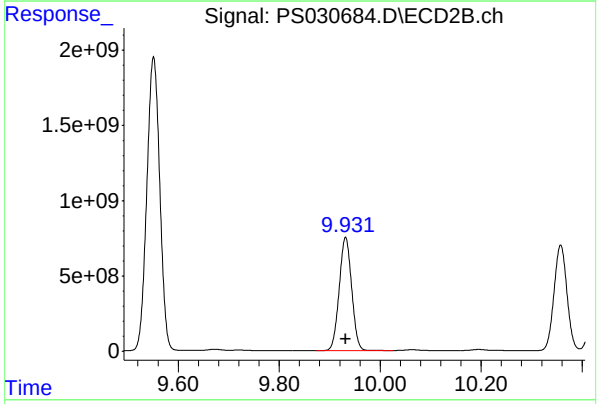
#11 2,4,5-TP (SILVEX)

R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 18204673293
Conc: 952.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

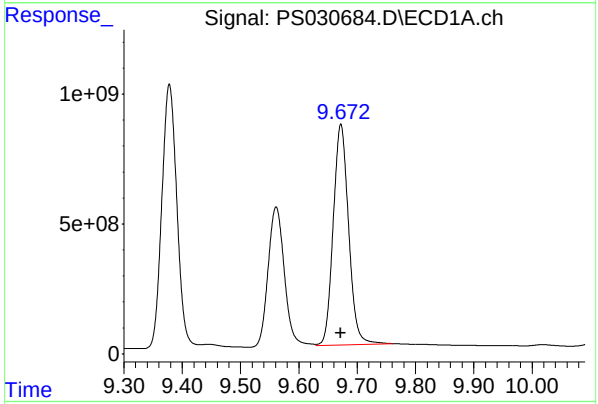
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



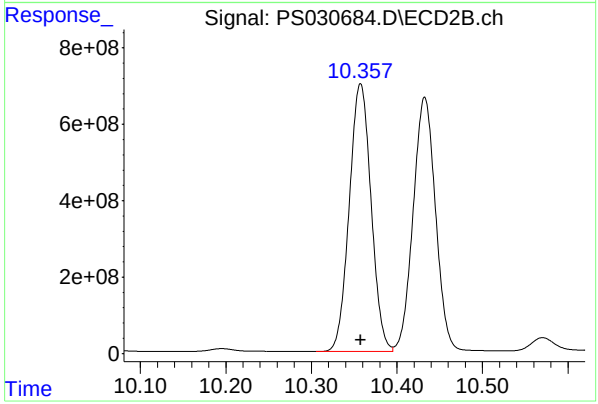
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 12890381830
Conc: 946.93 ng/ml



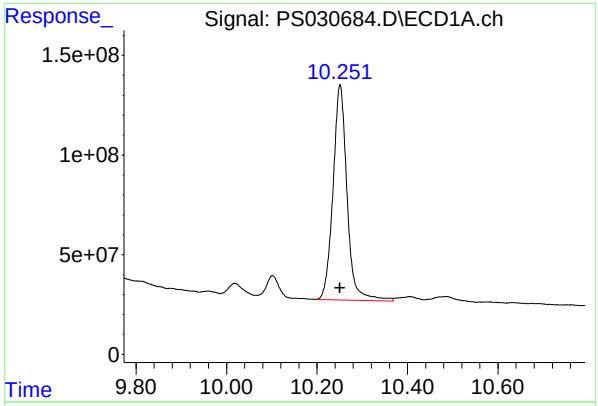
#12 2,4,5-T

R.T.: 9.672 min
Delta R.T.: 0.000 min
Response: 15551179341
Conc: 962.26 ng/ml



#12 2,4,5-T

R.T.: 10.357 min
Delta R.T.: 0.000 min
Response: 12419833402
Conc: 948.80 ng/ml



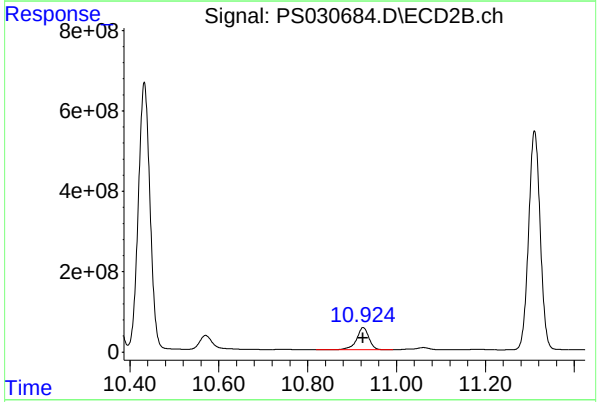
#13 2,4-DB

R.T.: 10.251 min
Delta R.T.: 0.000 min
Response: 2320170208
Conc: 972.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

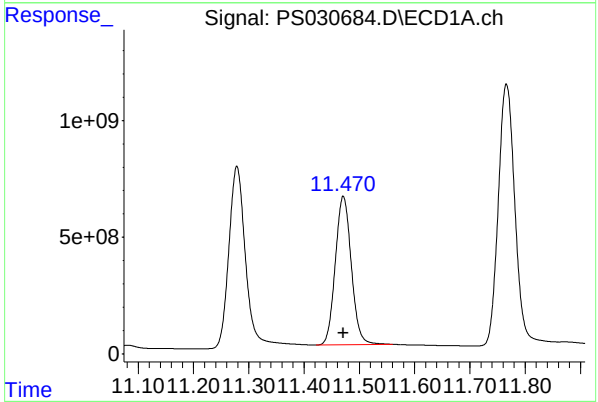
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



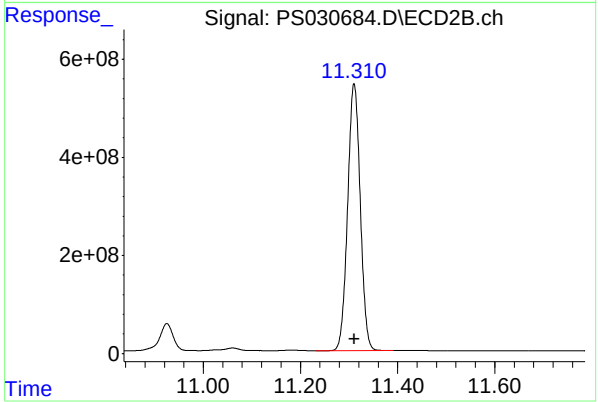
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 1056847799
Conc: 949.59 ng/ml



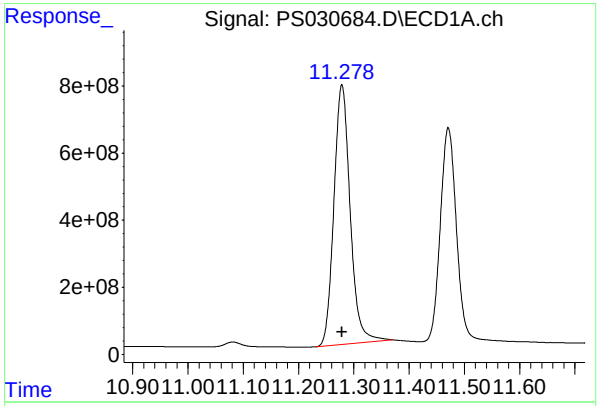
#14 DINOSEB

R.T.: 11.471 min
Delta R.T.: 0.000 min
Response: 12796610171
Conc: 945.39 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 9811228555
Conc: 941.88 ng/ml



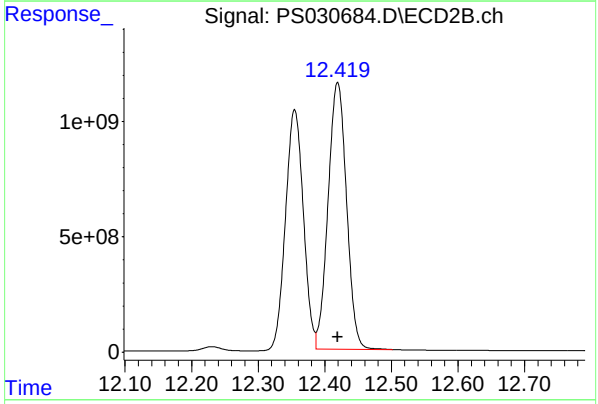
#15 Picloram

R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 15847936237
Conc: 971.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

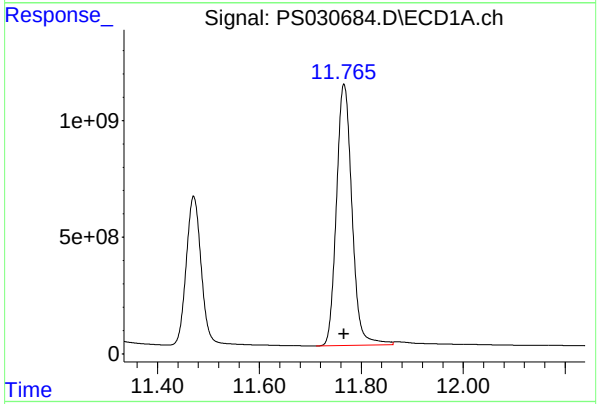
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



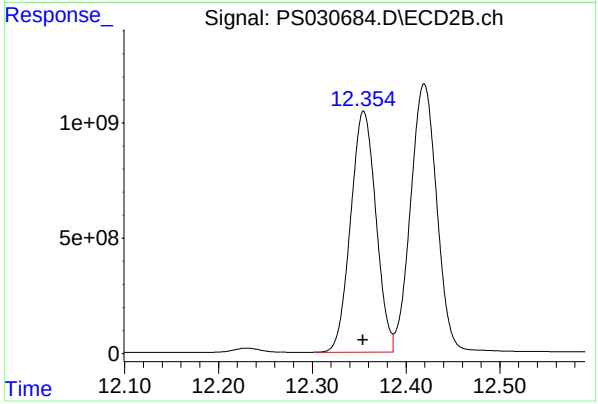
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 22237278300
Conc: 952.35 ng/ml



#16 DCPA

R.T.: 11.766 min
Delta R.T.: 0.000 min
Response: 23652563828
Conc: 956.98 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 19597494262
Conc: 957.86 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:33
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:51:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:50:52 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	7.351	7.768	4962.8E6	1449.1E6	1329.328m	1342.182
	Target Compounds						
1) T	Dalapon	2.709	2.710	7566.5E6	3498.9E6	1209.725	1243.331
2) T	3,5-DICHL...	6.510	6.713	6658.3E6	2027.0E6	1224.606	1253.012
3) T	4-Nitroph...	7.150	7.299	2047.2E6	2207.8E6	1255.775	1295.001
5) T	DICAMBA	7.542	7.971	19900.1E6	8717.4E6	1271.935	1314.740
6) T	MCPP	7.728	8.075	1454.0E6	313.6E6	152.874	142.474
7) T	MCPA	7.880	8.325	1715.5E6	449.3E6	143.956	140.136
8) T	DICHLORPROP	8.256	8.690	4505.3E6	1924.3E6	1225.830	1255.758
9) T	2,4-D	8.489	9.025	4392.7E6	2120.6E6	1291.838	1264.946
10) T	Pentachlo...	8.803	9.553	52523.2E6	45159.8E6	1016.112	1191.003
11) T	2,4,5-TP ...	9.378	9.932	25977.1E6	18348.1E6	1298.412	1278.202
12) T	2,4,5-T	9.672	10.357	22738.0E6	17743.5E6	1367.447	1286.827
13) T	2,4-DB	10.251	10.925	3523.2E6	1533.6E6	1425.728	1292.521
14) T	DINOSEB	11.471	11.311	18419.9E6	14215.0E6	1300.713	1297.302
15) T	Picloram	11.278	12.418	23869.1E6	32430.5E6	1429.614	1352.633
16) T	DCPA	11.767	12.354	34239.6E6	27763.8E6	1318.167	1294.984m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:33
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

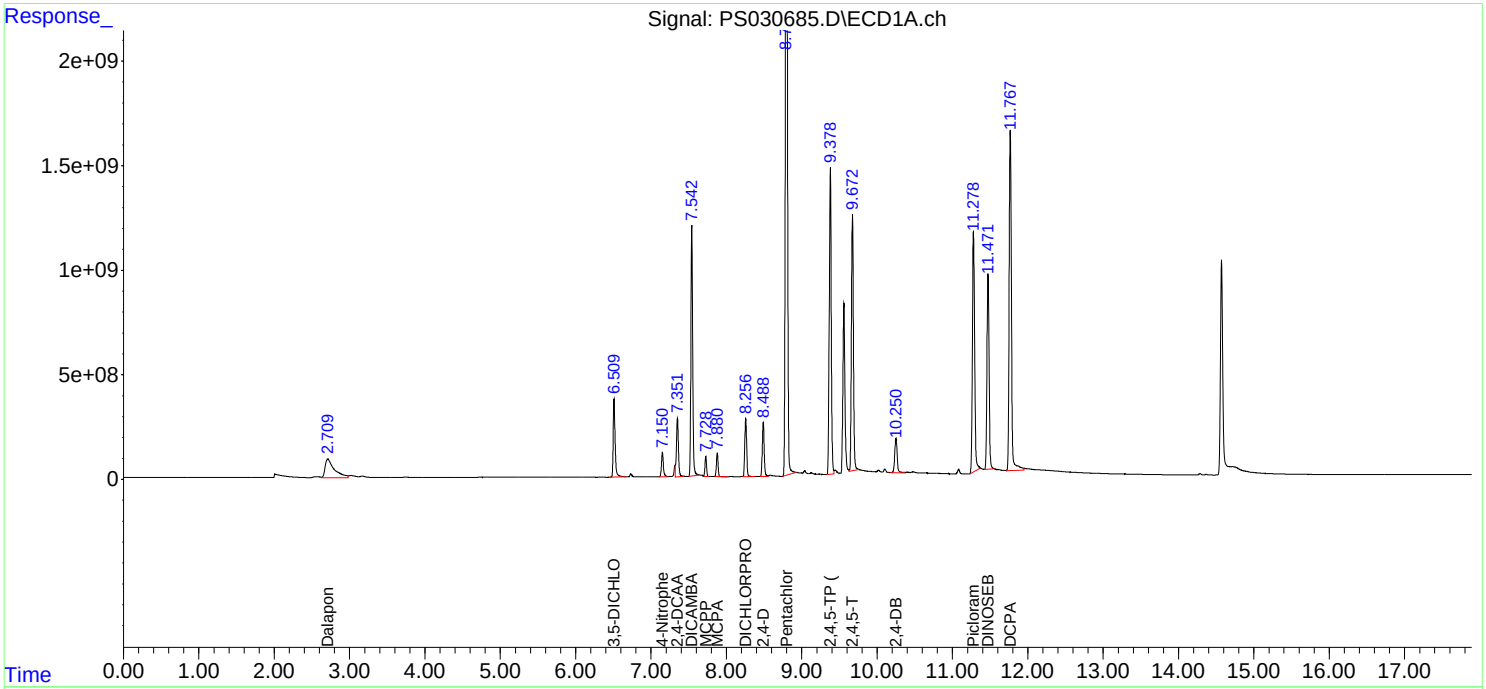
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

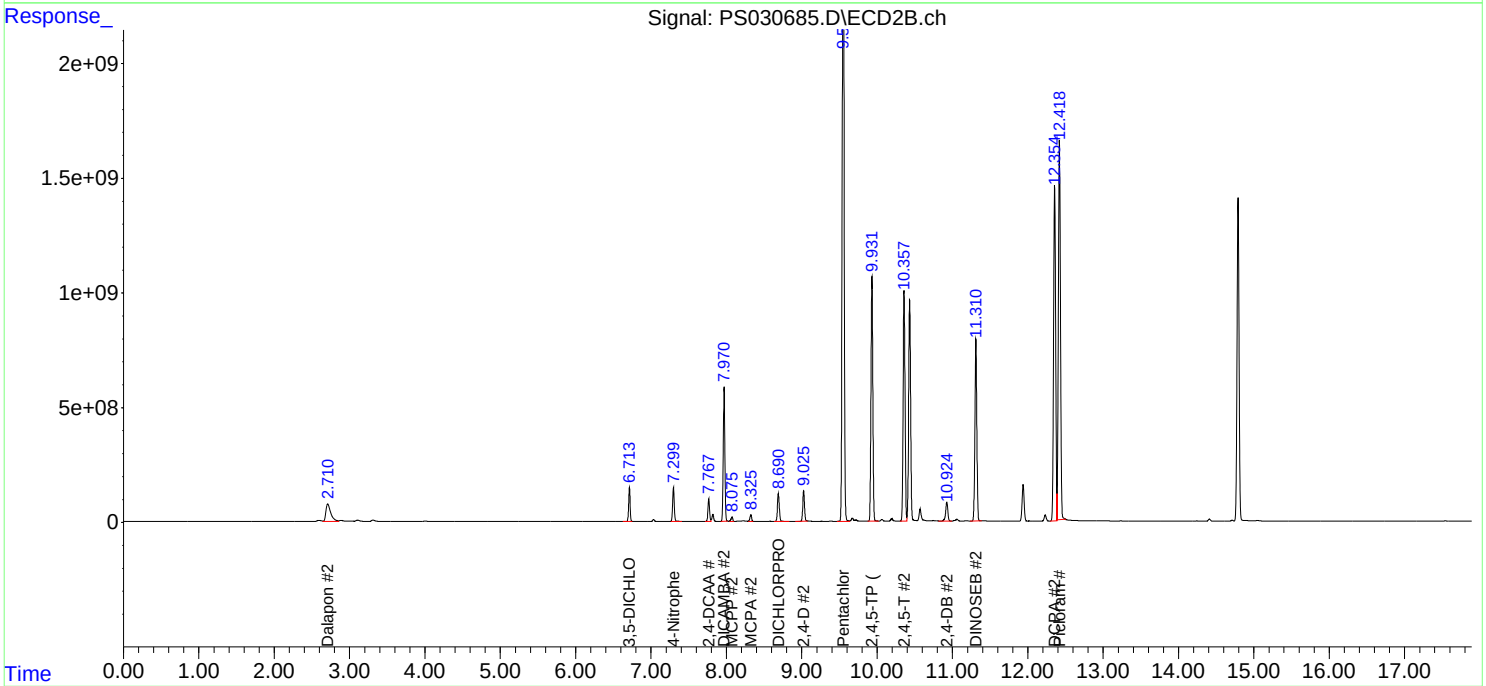
Manual Integrations APPROVED

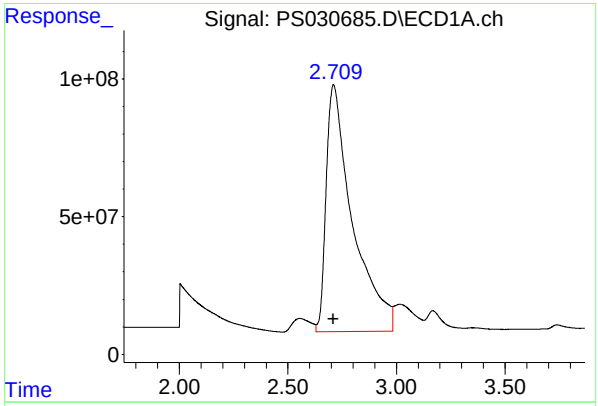
Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:51:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:50:52 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







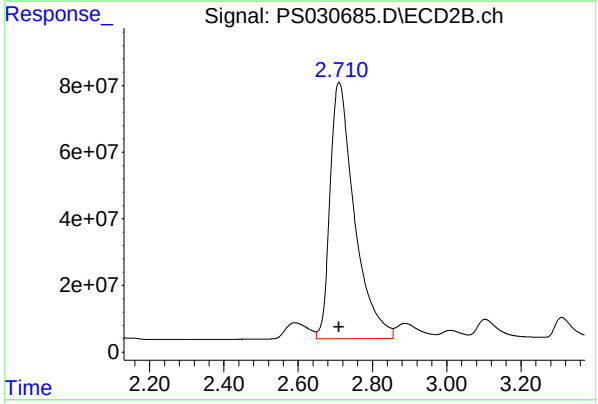
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 7566528048
Conc: 1209.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

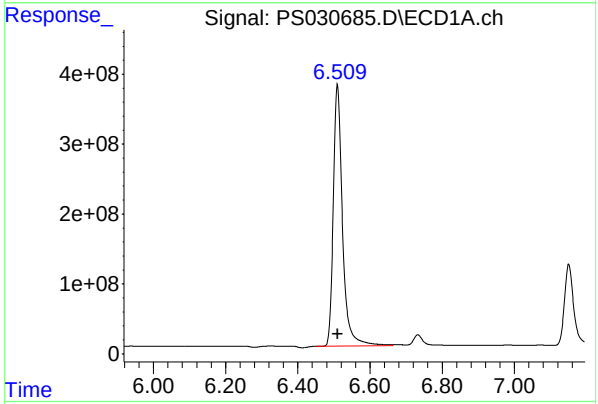
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



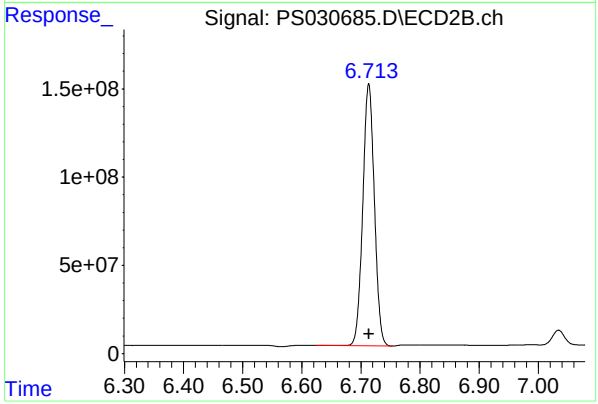
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 3498934666
Conc: 1243.33 ng/ml



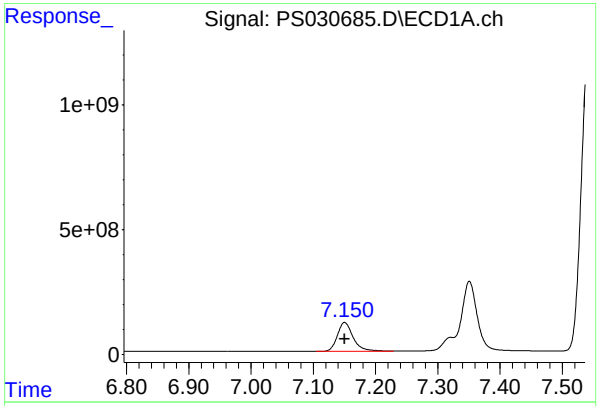
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 6658251404
Conc: 1224.61 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 2026973360
Conc: 1253.01 ng/ml



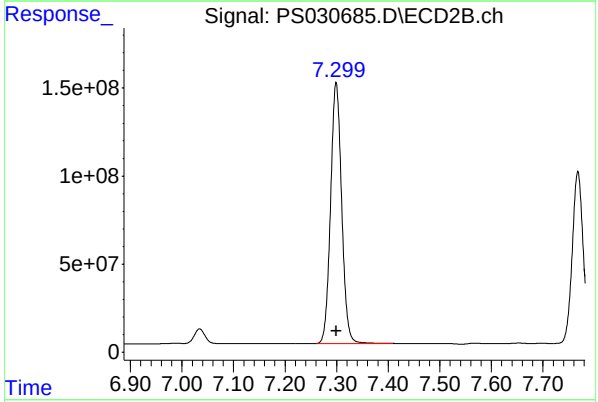
#3 4-Nitrophenol

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 2047225485
Conc: 1255.78 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

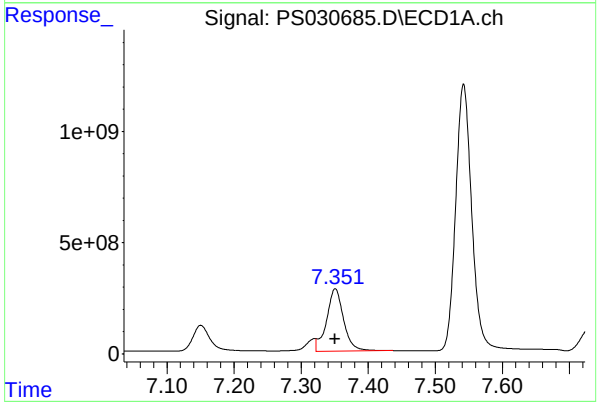
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



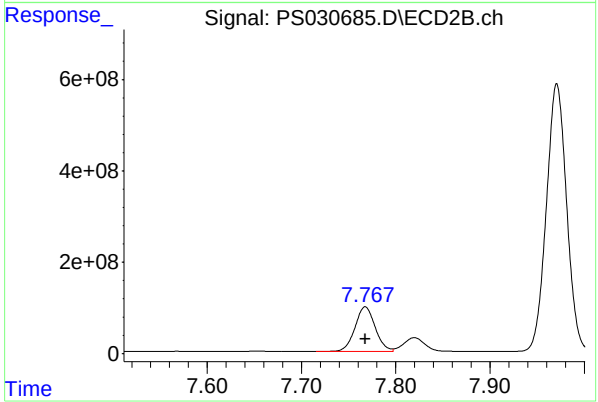
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 2207777941
Conc: 1295.00 ng/ml



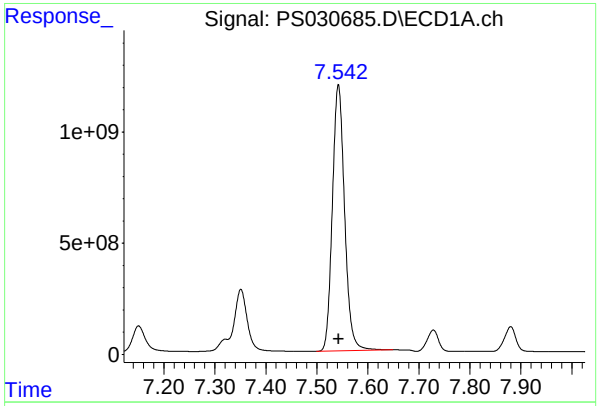
#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 4962823619
Conc: 1329.33 ng/ml m



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 1449141995
Conc: 1342.18 ng/ml



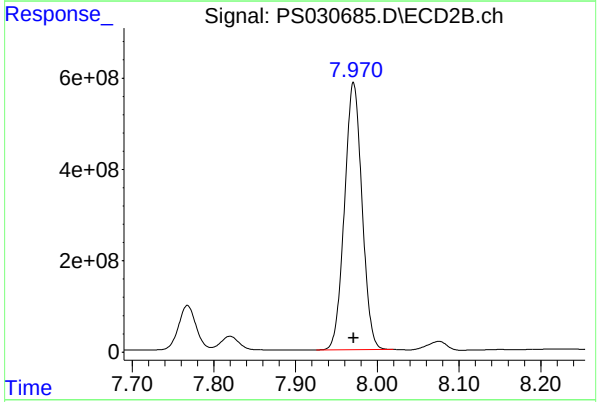
#5 DICAMBA

R.T.: 7.542 min
Delta R.T.: 0.000 mi
Response: 19900147396
Conc: 1271.93 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

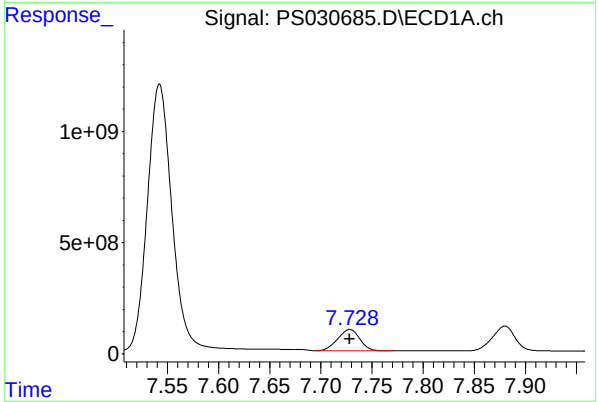
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



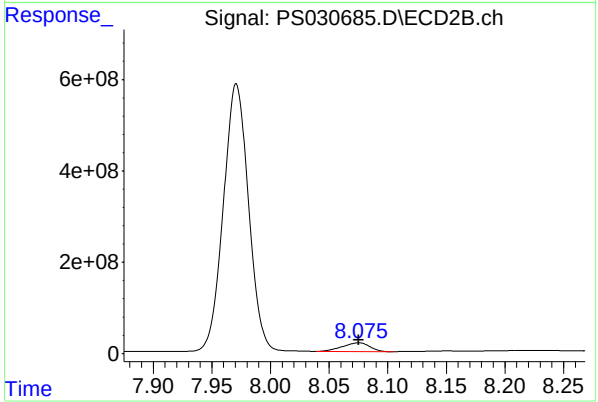
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 8717396520
Conc: 1314.74 ng/ml



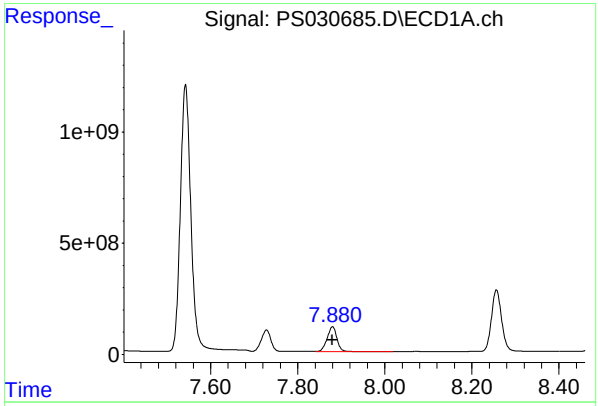
#6 MCPP

R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 1453962207
Conc: 152.87 ug/ml



#6 MCPP

R.T.: 8.075 min
Delta R.T.: 0.000 min
Response: 313639536
Conc: 142.47 ug/ml



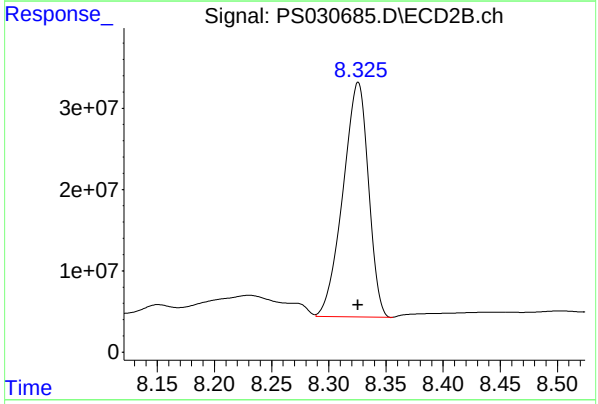
#7 MCPA

R.T.: 7.880 min
Delta R.T.: 0.000 min
Response: 1715545863
Conc: 143.96 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

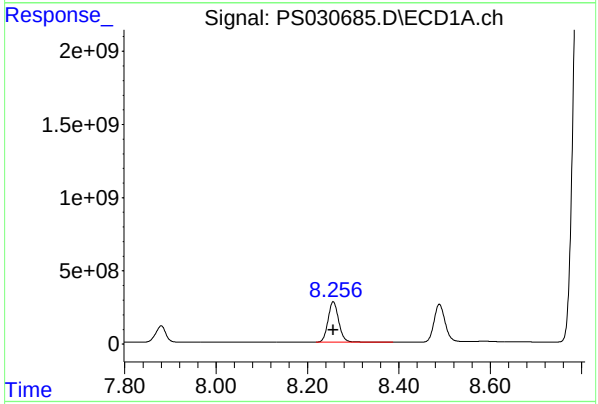
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



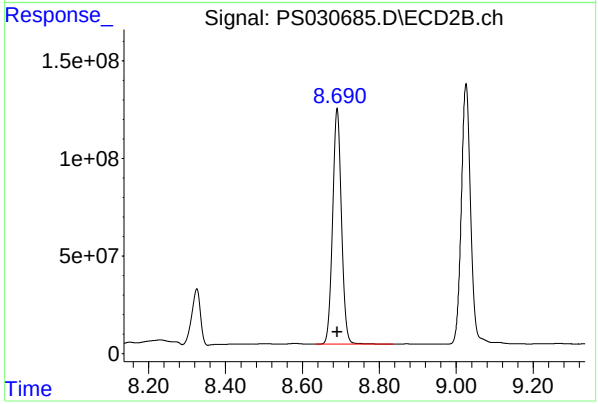
#7 MCPA

R.T.: 8.325 min
Delta R.T.: 0.000 min
Response: 449288184
Conc: 140.14 ug/ml



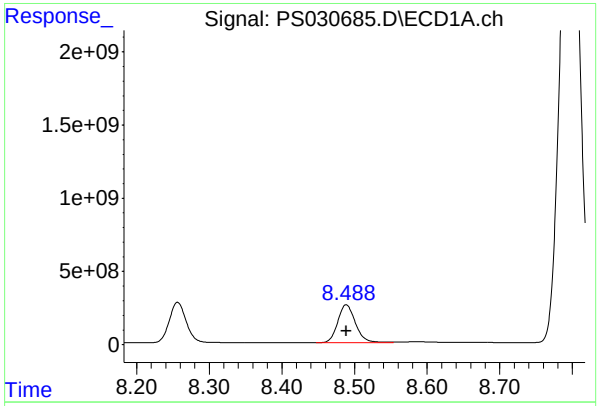
#8 DICHLORPROP

R.T.: 8.256 min
Delta R.T.: 0.000 min
Response: 4505261754
Conc: 1225.83 ng/ml



#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 1924281791
Conc: 1255.76 ng/ml



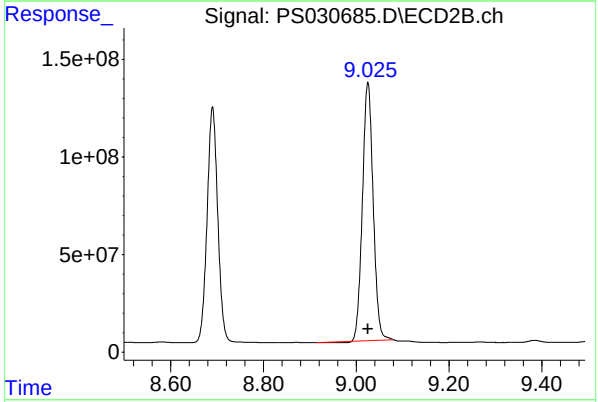
#9 2,4-D

R.T.: 8.489 min
Delta R.T.: 0.000 min
Response: 4392717833
Conc: 1291.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

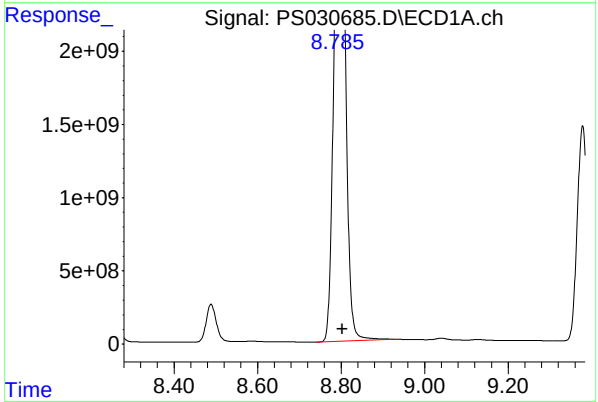
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



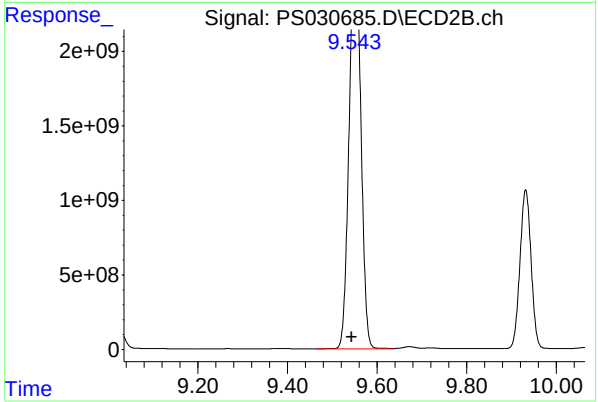
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 2120613180
Conc: 1264.95 ng/ml



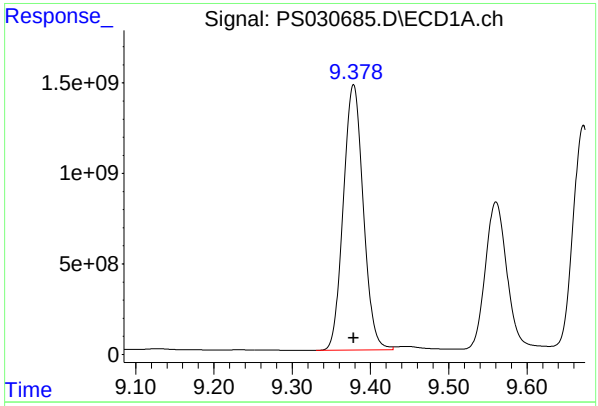
#10 Pentachlorophenol

R.T.: 8.803 min
Delta R.T.: 0.000 min
Response: 52523176165
Conc: 1016.11 ng/ml



#10 Pentachlorophenol

R.T.: 9.553 min
Delta R.T.: 0.010 min
Response: 45159775732
Conc: 1191.00 ng/ml



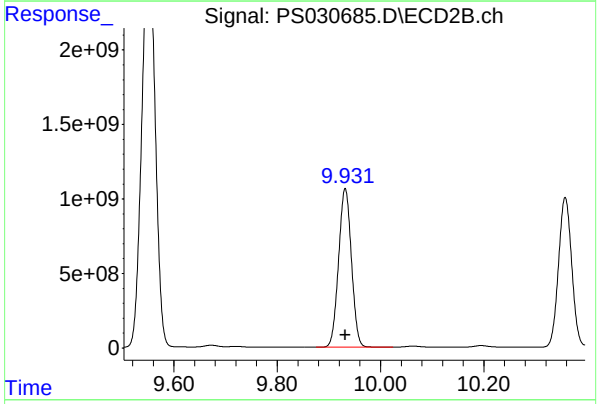
#11 2,4,5-TP (SILVEX)

R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 25977098870
Conc: 1298.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

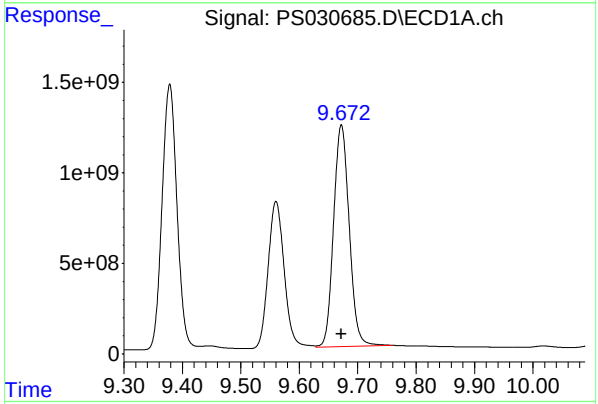
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



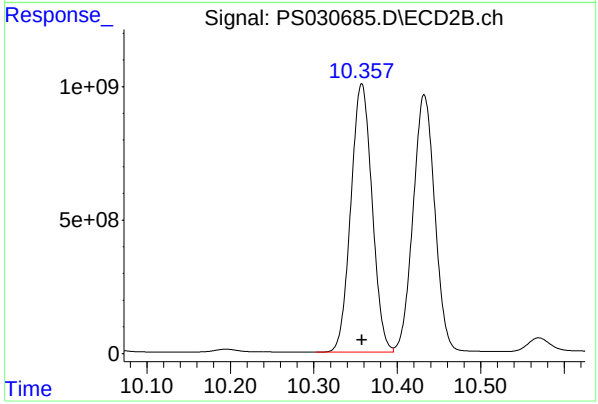
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 18348080463
Conc: 1278.20 ng/ml



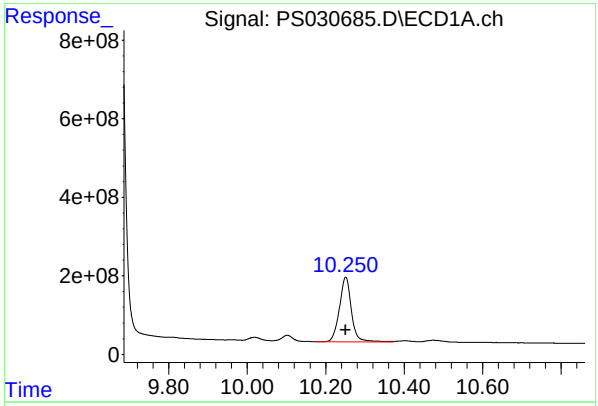
#12 2,4,5-T

R.T.: 9.672 min
Delta R.T.: 0.000 min
Response: 22737962636
Conc: 1367.45 ng/ml



#12 2,4,5-T

R.T.: 10.357 min
Delta R.T.: 0.000 min
Response: 17743473755
Conc: 1286.83 ng/ml



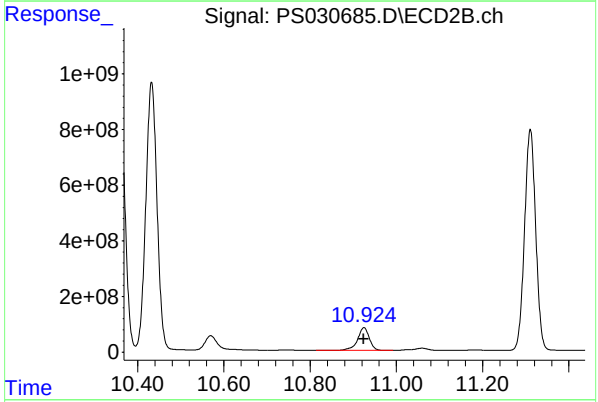
#13 2,4-DB

R.T.: 10.251 min
Delta R.T.: 0.000 min
Response: 3523195581
Conc: 1425.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

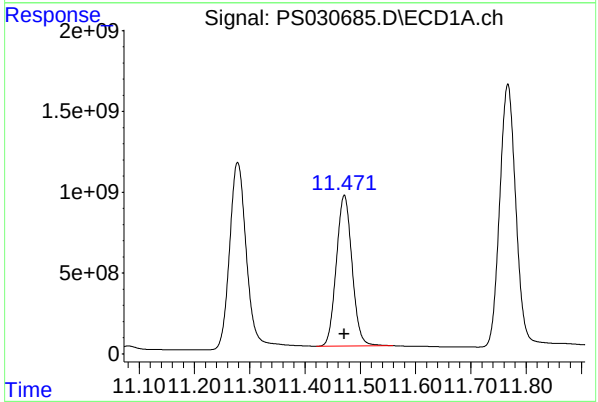
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



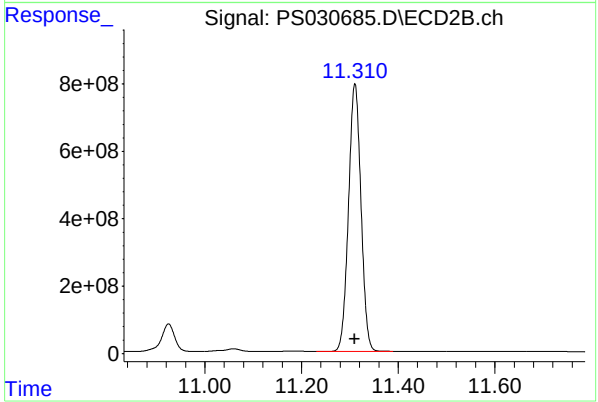
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 1533648276
Conc: 1292.52 ng/ml



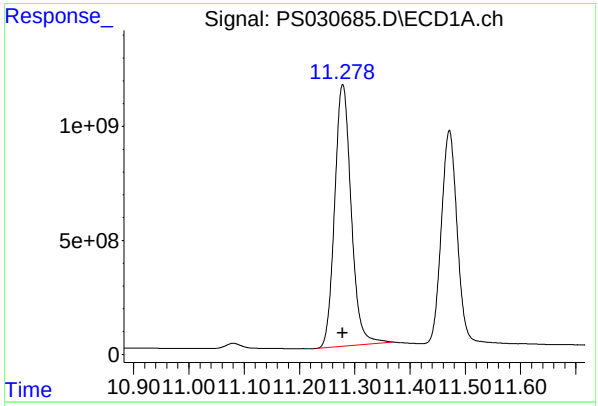
#14 DINOSEB

R.T.: 11.471 min
Delta R.T.: 0.000 min
Response: 18419887373
Conc: 1300.71 ng/ml



#14 DINOSEB

R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 14215046686
Conc: 1297.30 ng/ml



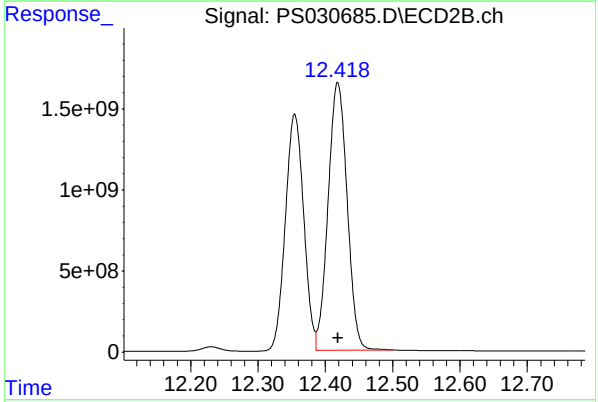
#15 Picloram

R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 23869114684
Conc: 1429.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

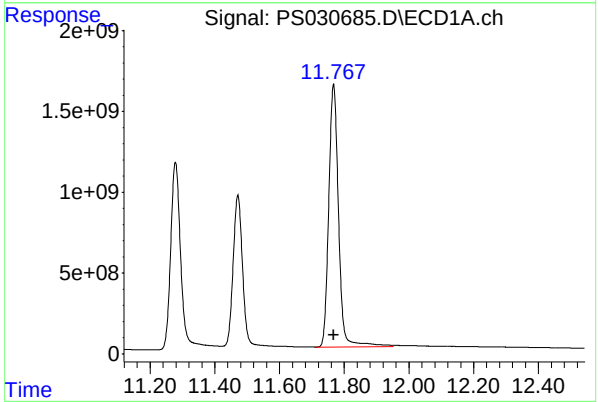
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



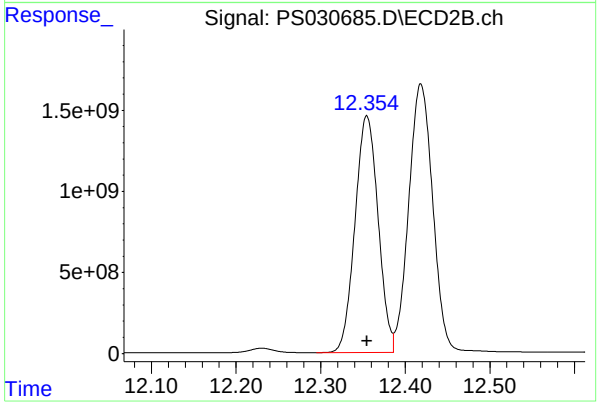
#15 Picloram

R.T.: 12.418 min
Delta R.T.: 0.000 min
Response: 32430533614
Conc: 1352.63 ng/ml



#16 DCPA

R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 34239601036
Conc: 1318.17 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 27763800858
Conc: 1294.98 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:57
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS061625

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 12:24:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.350	7.767	2558.2E6	759.8E6	680.238m	703.715
	Target Compounds						
1) T	Dalapon	2.708	2.709	4014.4E6	1804.1E6	641.812	641.087
2) T	3,5-DICHL...	6.510	6.713	3528.6E6	1059.7E6	648.982	655.055
3) T	4-Nitroph...	7.150	7.299	1033.9E6	1107.1E6	634.193	649.407
5) T	DICAMBA	7.542	7.970	10445.4E6	4464.3E6	667.624	673.299
6) T	MCPP	7.724	8.070	663.5E6	154.7E6	69.764	70.267
7) T	MCPA	7.874	8.319	800.3E6	218.4E6	67.159	68.132
8) T	DICHLORPROP	8.256	8.690	2361.7E6	1016.2E6	642.605	663.162
9) T	2,4-D	8.489	9.025	2237.6E6	1120.9E6	658.055	668.594
10) T	Pentachlo...	8.797	9.551	37024.8E6	26410.4E6	716.281	696.183
11) T	2,4,5-TP ...	9.378	9.931	13677.8E6	9797.4E6	683.657	682.524
12) T	2,4,5-T	9.671	10.357	11424.9E6	9399.0E6	687.087	681.655
13) T	2,4-DB	10.251	10.925	1676.4E6	798.8E6	678.397	673.208
14) T	DINOSEB	11.470	11.310	9565.7E6	7384.9E6	675.475	673.969
15) T	Picloram	11.279	12.419	11520.5E6	16837.8E6	690.007	702.281
16) T	DCPA	11.766	12.355	17672.3E6	14867.2E6	680.354	692.283

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

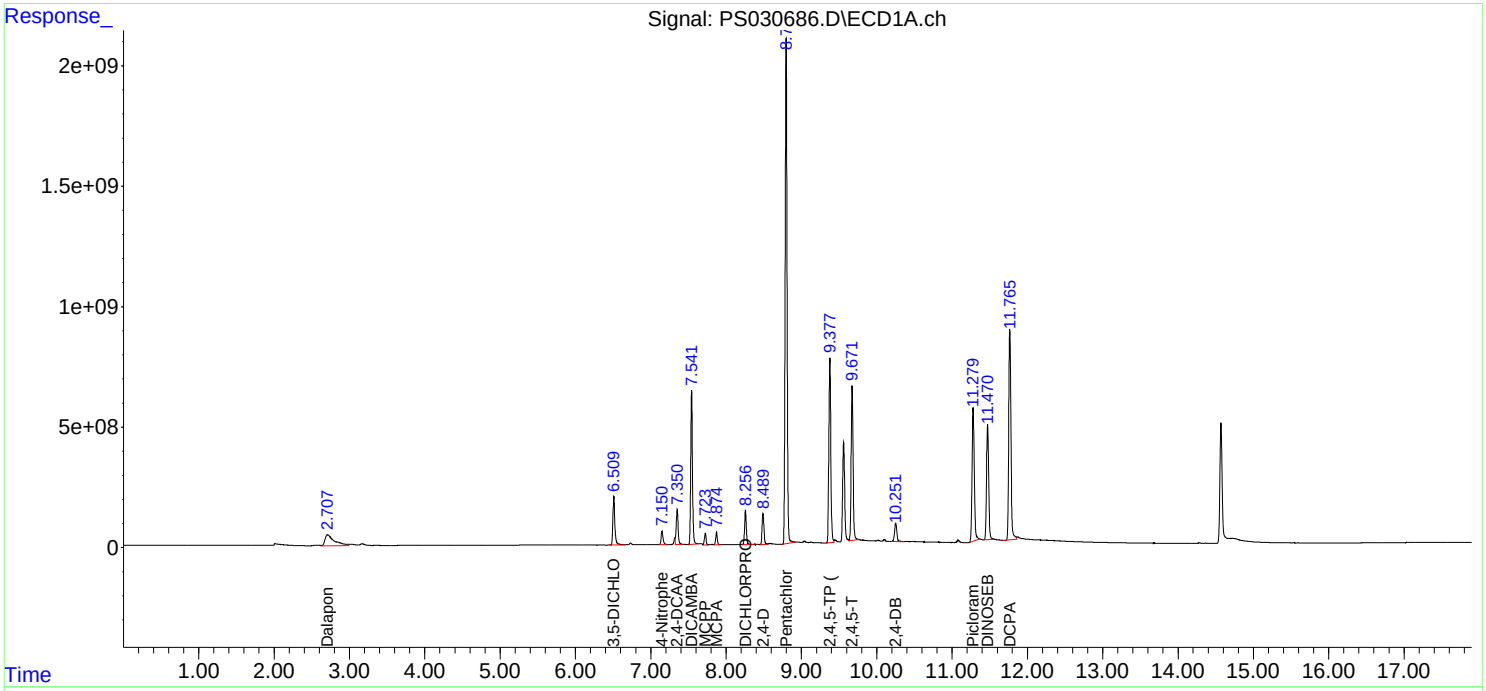
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:57
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

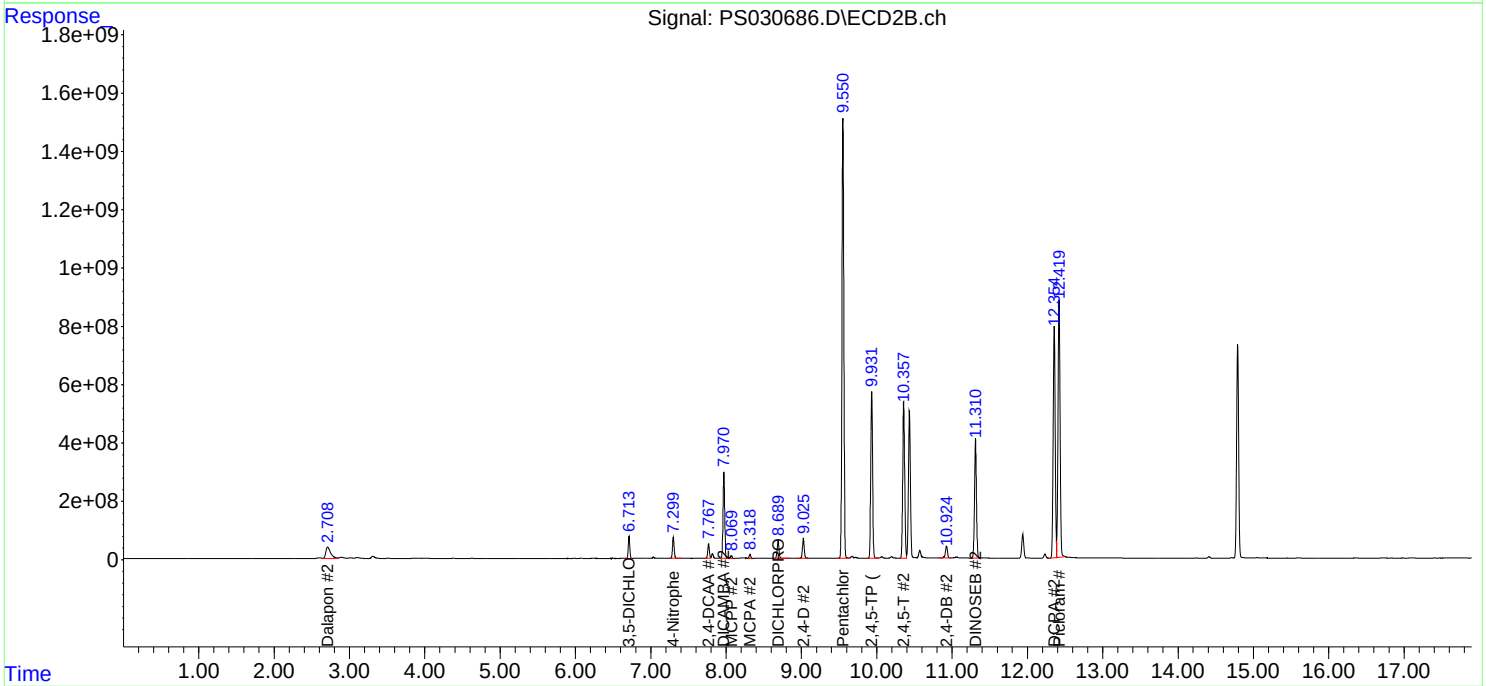
Instrument :
ECD_S
ClientSampleId :
ICVPS061625

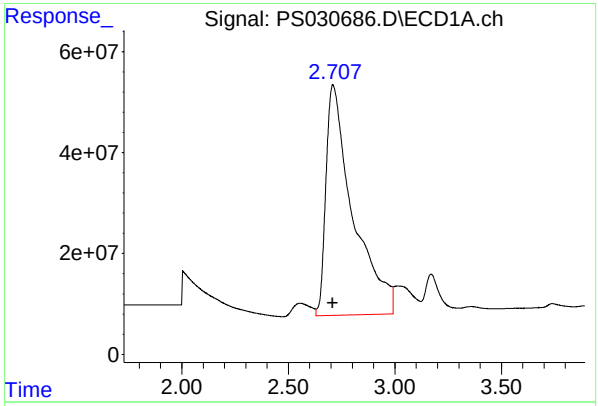
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 12:24:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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







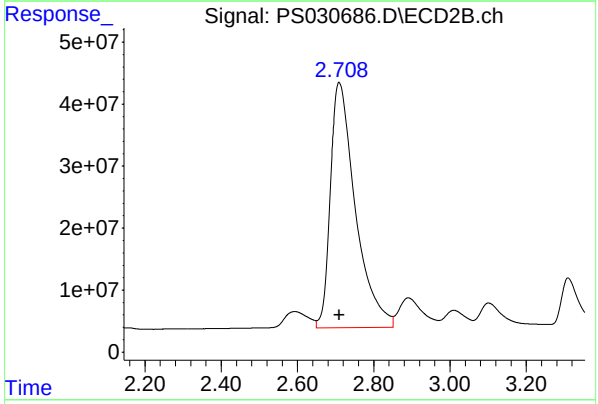
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: -0.001 min
Response: 4014373067
Conc: 641.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625

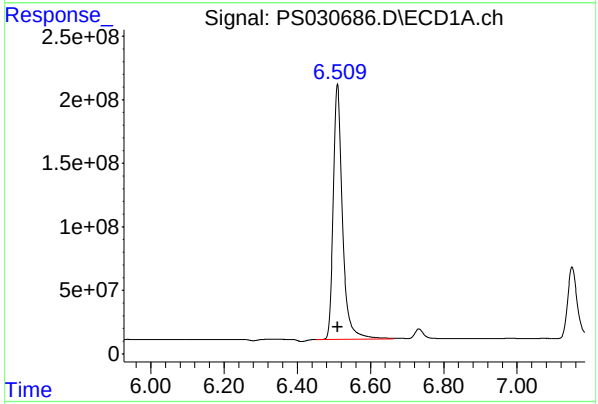
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



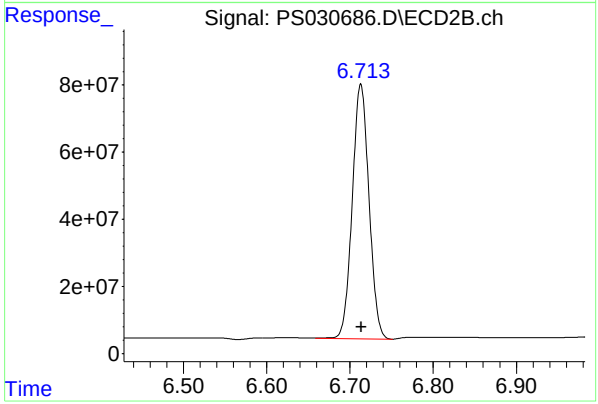
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 1804122117
Conc: 641.09 ng/ml



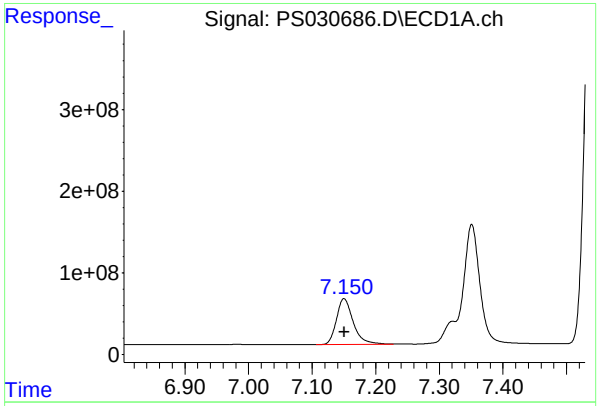
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 3528553570
Conc: 648.98 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1059670003
Conc: 655.05 ng/ml



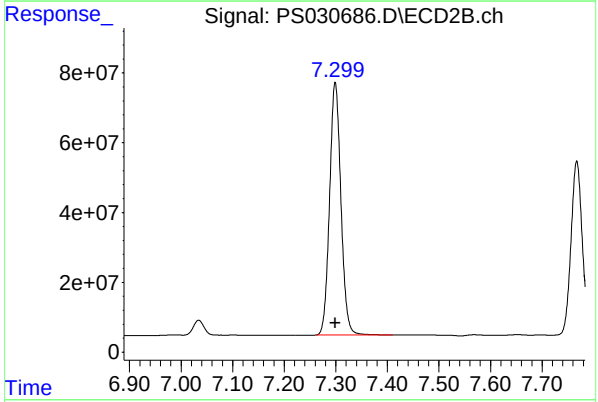
#3 4-Nitrophenol

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 1033892424
Conc: 634.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625

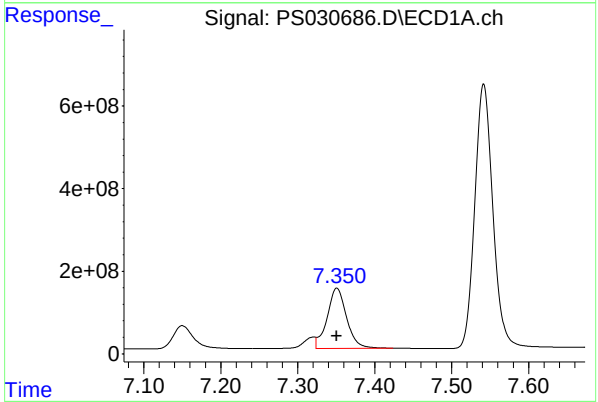
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



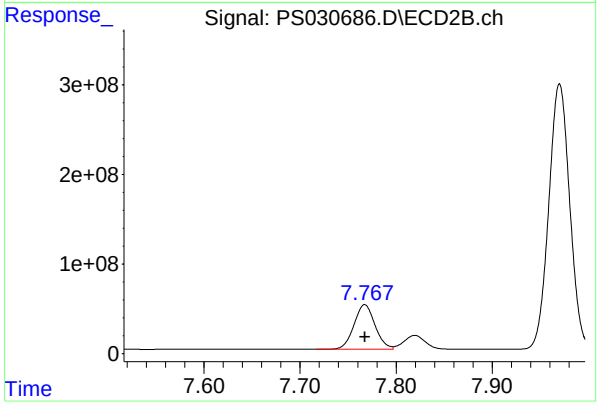
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1107140241
Conc: 649.41 ng/ml



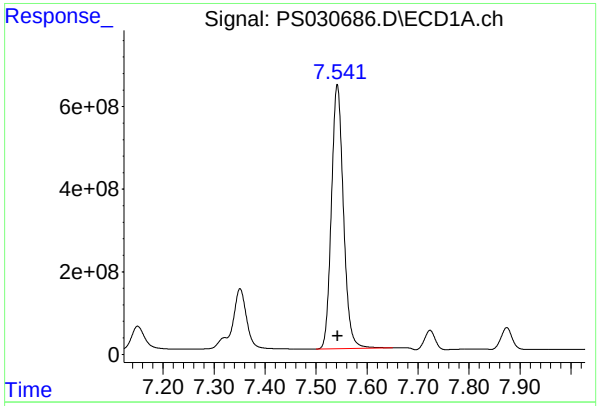
#4 2,4-DCAA

R.T.: 7.350 min
Delta R.T.: 0.000 min
Response: 2558249587
Conc: 680.24 ng/ml m



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 759794245
Conc: 703.71 ng/ml



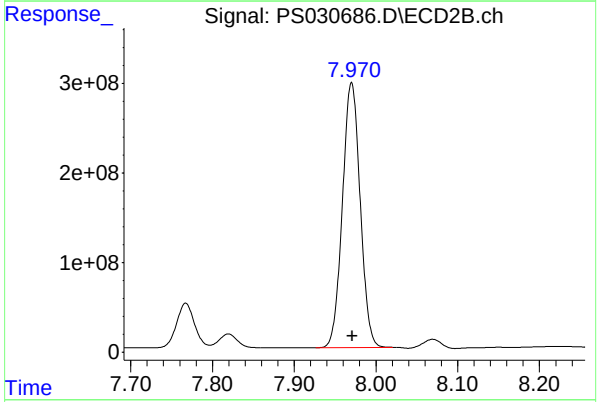
#5 DICAMBA

R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 10445354707
Conc: 667.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625

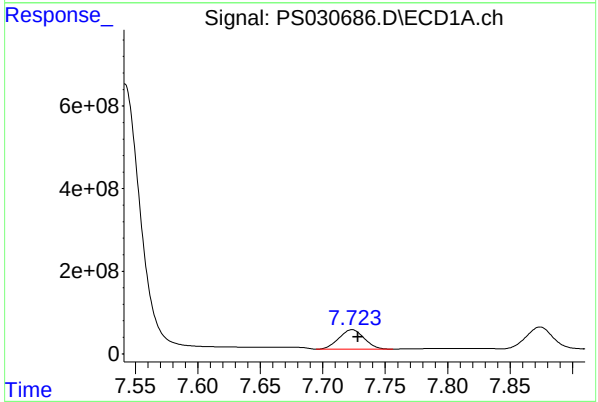
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



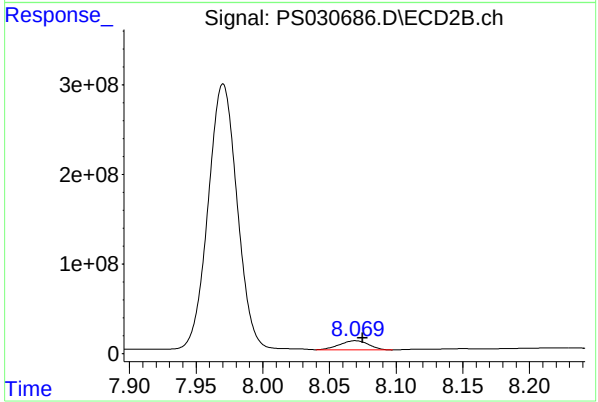
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 4464316388
Conc: 673.30 ng/ml



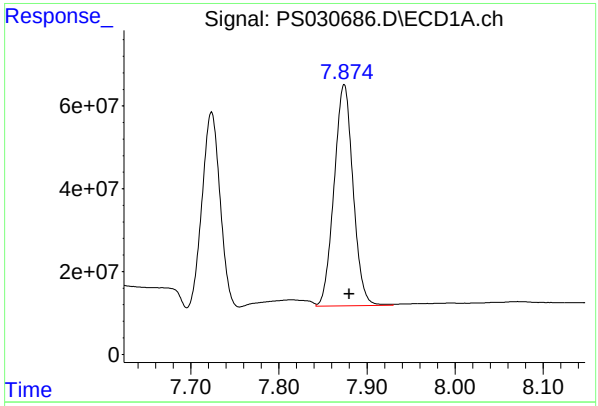
#6 MCPP

R.T.: 7.724 min
Delta R.T.: -0.005 min
Response: 663520914
Conc: 69.76 ug/ml



#6 MCPP

R.T.: 8.070 min
Delta R.T.: -0.006 min
Response: 154685983
Conc: 70.27 ug/ml



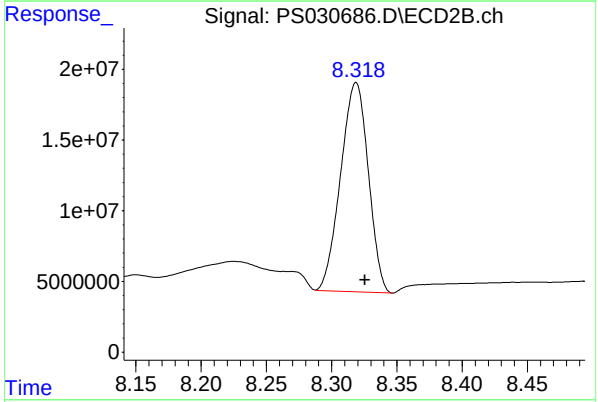
#7 MCPA

R.T.: 7.874 min
Delta R.T.: -0.006 min
Response: 800344670
Conc: 67.16 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625

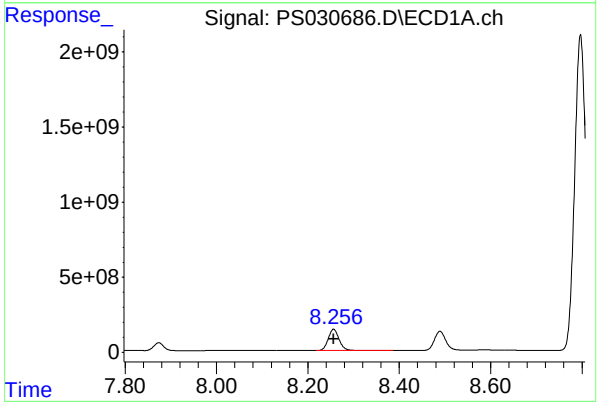
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



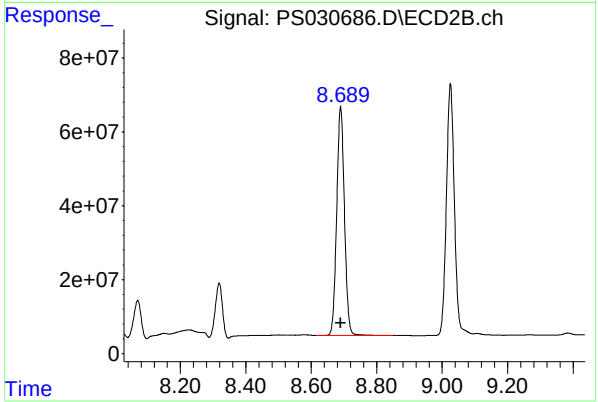
#7 MCPA

R.T.: 8.319 min
Delta R.T.: -0.007 min
Response: 218436670
Conc: 68.13 ug/ml



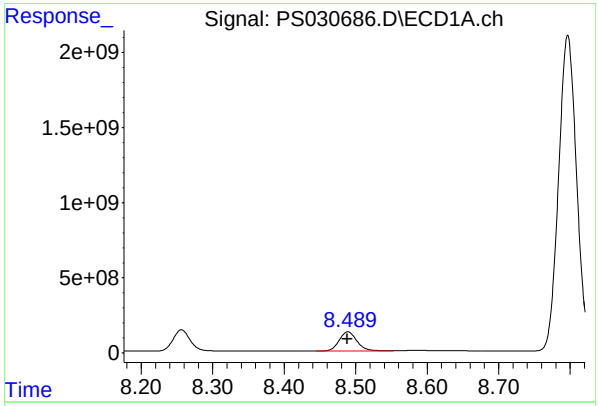
#8 DICHLORPROP

R.T.: 8.256 min
Delta R.T.: 0.000 min
Response: 2361747855
Conc: 642.60 ng/ml



#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 1016207142
Conc: 663.16 ng/ml



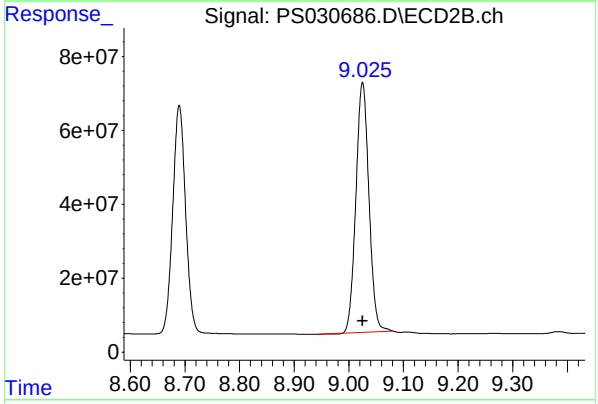
#9 2,4-D

R.T.: 8.489 min
Delta R.T.: 0.000 min
Response: 2237626409
Conc: 658.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625

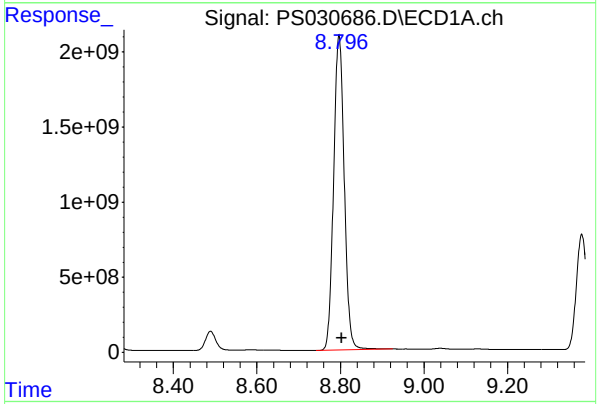
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



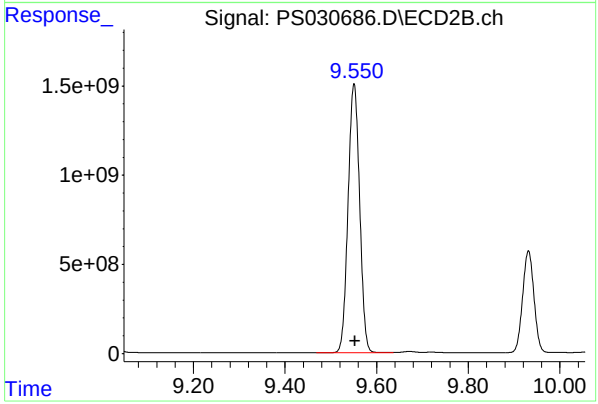
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 1120861687
Conc: 668.59 ng/ml



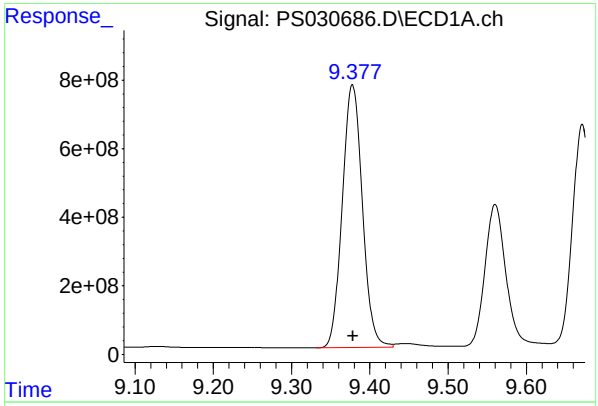
#10 Pentachlorophenol

R.T.: 8.797 min
Delta R.T.: -0.006 min
Response: 37024789777
Conc: 716.28 ng/ml



#10 Pentachlorophenol

R.T.: 9.551 min
Delta R.T.: -0.002 min
Response: 26410384732
Conc: 696.18 ng/ml



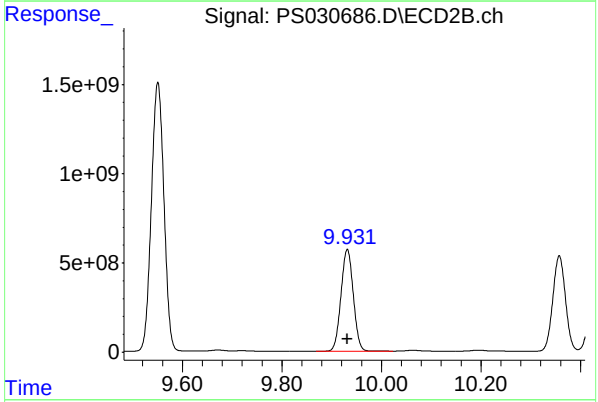
#11 2,4,5-TP (SILVEX)

R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 13677807303
Conc: 683.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625

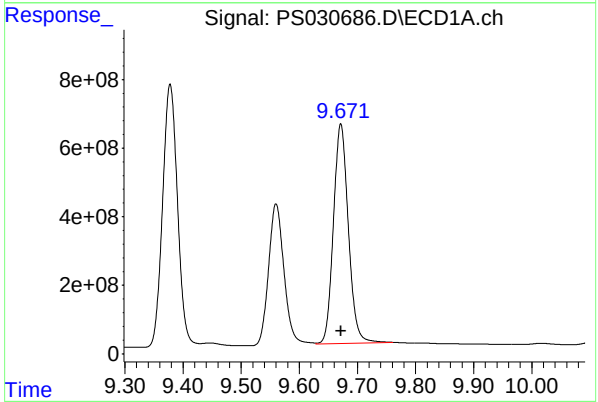
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



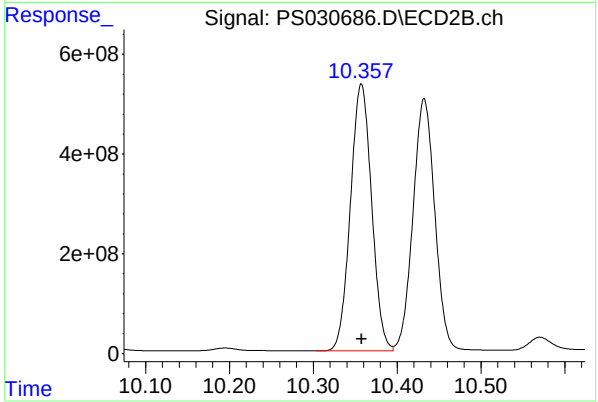
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 9797358838
Conc: 682.52 ng/ml



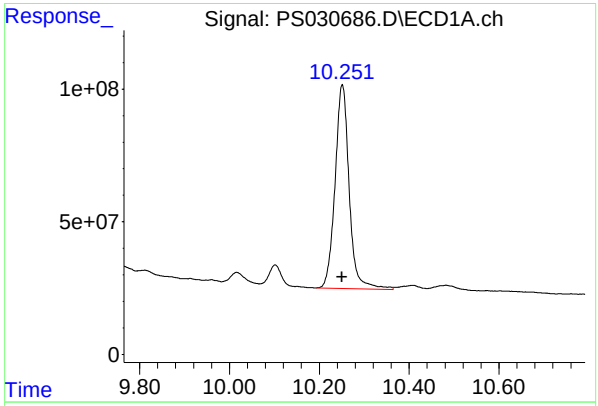
#12 2,4,5-T

R.T.: 9.671 min
Delta R.T.: 0.000 min
Response: 11424907921
Conc: 687.09 ng/ml



#12 2,4,5-T

R.T.: 10.357 min
Delta R.T.: 0.000 min
Response: 9399022264
Conc: 681.65 ng/ml



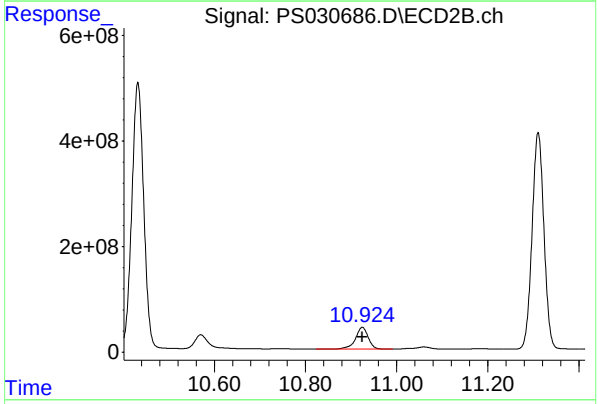
#13 2,4-DB

R.T.: 10.251 min
Delta R.T.: 0.000 min
Response: 1676424412
Conc: 678.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625

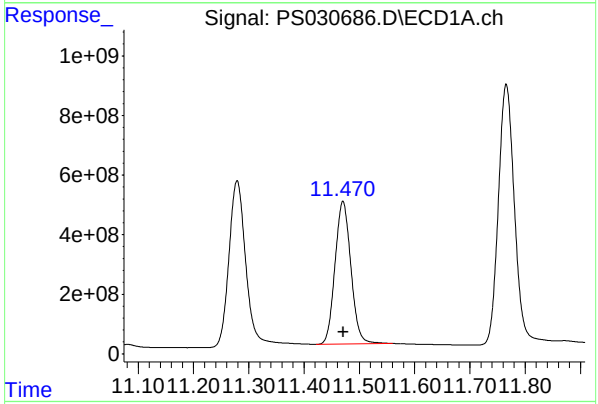
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



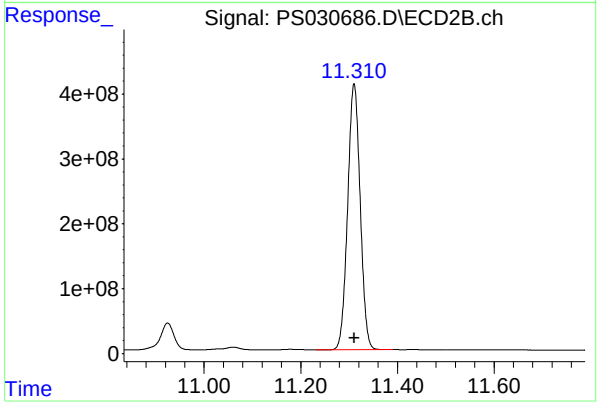
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 798798814
Conc: 673.21 ng/ml



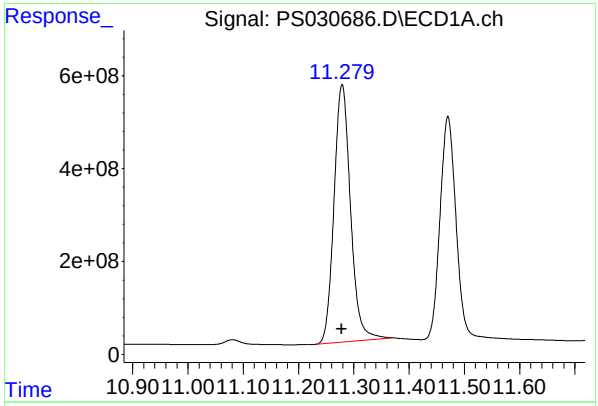
#14 DINOSEB

R.T.: 11.470 min
Delta R.T.: 0.000 min
Response: 9565654143
Conc: 675.48 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 7384935790
Conc: 673.97 ng/ml



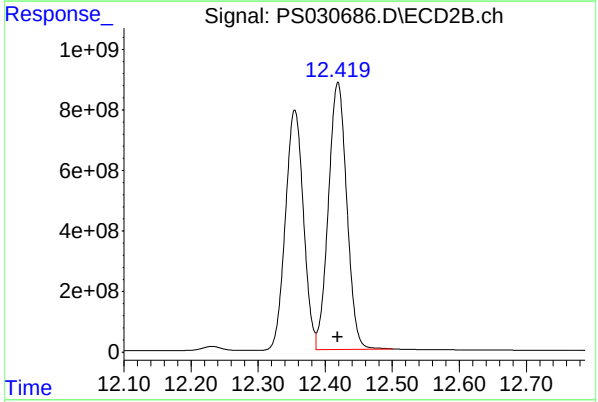
#15 Picloram

R.T.: 11.279 min
Delta R.T.: 0.000 min
Response: 11520494616
Conc: 690.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625

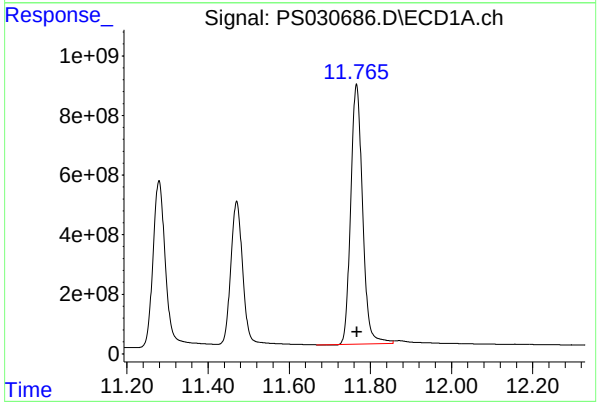
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



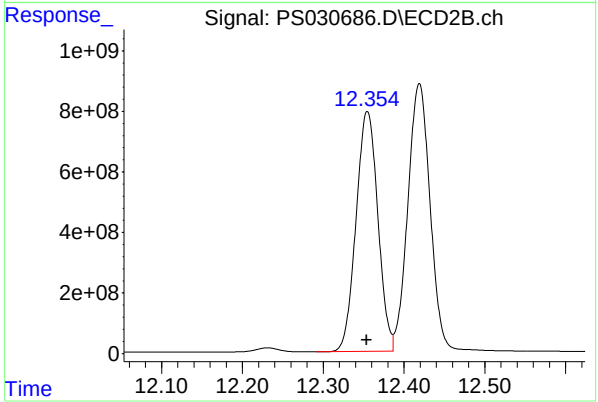
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 16837784413
Conc: 702.28 ng/ml



#16 DCPA

R.T.: 11.766 min
Delta R.T.: -0.001 min
Response: 17672301241
Conc: 680.35 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 14867179827
Conc: 692.28 ng/ml

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_S **Calibration Date(s):** 06/18/2025 06/18/2025

Calibration Times: 11:25 13:29

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

LAB FILE ID: RT 200 = PS030739.D RT 500 = PS030740.D

RT 750 = PS030741.D RT 1000 = PS030742.D RT 1500 = PS030743.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.67	9.67	9.67	9.67	9.67	9.67	9.57	9.77
2,4,5-TP(Silvex)	9.38	9.38	9.38	9.38	9.38	9.38	9.28	9.48
2,4-D	8.49	8.49	8.49	8.49	8.49	8.49	8.39	8.59
2,4-DB	10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
2,4-DCAA	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Dalapon	2.71	2.71	2.71	2.71	2.71	2.71	2.61	2.81
DICAMBA	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
DICHLORPROP	8.25	8.25	8.25	8.25	8.25	8.25	8.15	8.35
Dinoseb	11.47	11.47	11.47	11.47	11.47	11.47	11.37	11.57

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_S **Calibration Date(s):** 06/18/2025 06/18/2025

Calibration Times: 11:25 13:29

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

LAB FILE ID: RT 200 = PS030739.D RT 500 = PS030740.D

RT 750 = PS030741.D RT 1000 = PS030742.D RT 1500 = PS030743.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.36	10.36	10.36	10.36	10.36	10.36	10.26	10.46
2,4,5-TP(Silvex)	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
2,4-D	9.03	9.03	9.03	9.03	9.03	9.03	8.93	9.13
2,4-DB	10.93	10.93	10.93	10.93	10.93	10.93	10.83	11.03
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Dalapon	2.71	2.71	2.71	2.71	2.71	2.71	2.61	2.81
DICAMBA	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
DICHLORPROP	8.69	8.69	8.69	8.69	8.69	8.69	8.59	8.79
Dinoseb	11.31	11.31	11.31	11.31	11.31	11.31	11.21	11.41

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_S **Calibration Date(s):** 06/18/2025 06/18/2025

Calibration Times: 11:25 13:29

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

LAB FILE ID: **CF 200 =** PS030739.D **CF 500 =** PS030740.D

CF 750 = PS030741.D **CF 1000 =** PS030742.D **CF 1500 =** PS030743.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	17256700000	16680000000	16830000000	16187900000	15311000000	16453200000	5
2,4,5-TP(Silvex)	22282500000	20395400000	19977900000	18863900000	18632300000	20030400000	7
2,4-D	3868070000	3398090000	3305570000	3150720000	3499600000	3444410000	8
2,4-DB	2481600000	2363020000	2407410000	2376040000	1839440000	2293500000	11
2,4-DCAA	4451200000	3788090000	3593380000	3449860000	3089450000	3674390000	14
Dalapon	6684720000	6290600000	6023050000	5659720000	5170060000	5965630000	10
DICAMBA	17792700000	15914300000	15443300000	14605900000	12319200000	15215100000	13
DICHLORPROP	4637630000	3720970000	3496760000	3281660000	3591790000	3745760000	14
Dinoseb	15211800000	14001800000	13914000000	13244000000	12994300000	13873200000	6

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Instrument ID: ECD_S **Calibration Date(s):** 06/18/2025 06/18/2025

Calibration Times: 11:25 13:29

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

LAB FILE ID: **CF 200 =** PS030739.D **CF 500 =** PS030740.D

CF 750 = PS030741.D **CF 1000 =** PS030742.D **CF 1500 =** PS030743.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	15648900000	14018900000	13695900000	12933300000	12026100000	13664600000	10
2,4,5-TP(Silvex)	16493700000	14706300000	14316500000	13463300000	13163600000	14428700000	9
2,4-D	1965540000	1671750000	1622570000	1523690000	1713470000	1699410000	10
2,4-DB	1373320000	1199380000	1163600000	1108750000	1069470000	1182900000	10
2,4-DCAA	1283250000	1084080000	1050700000	993038000	948747000	1071960000	12
Dalapon	3222480000	2812600000	2725260000	2594690000	2353690000	2741740000	12
DICAMBA	7304970000	6653080000	6566460000	6277600000	5963960000	6553210000	8
DICHLORPROP	1855180000	1562920000	1498450000	1412800000	1533120000	1572500000	11
Dinoseb	12099400000	10862400000	10728600000	10218500000	9997410000	10781200000	8

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030739.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:25
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:36:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 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	7.350	7.769	890.2E6	256.7E6	238.920	237.129
		Target Compounds						
1)	T	Dalapon	2.708	2.710	1216.6E6	586.5E6	209.922m	209.695
2)	T	3,5-DICHL...	6.508	6.716	1200.4E6	355.0E6	220.928	217.928
3)	T	4-Nitroph...	7.150	7.302	330.2E6	350.3E6	207.247	199.990
5)	T	DICAMBA	7.540	7.972	3345.0E6	1373.3E6	213.508	207.020
6)	T	MCPP	7.718	8.067	159.0E6	35228767	16.559	16.286
7)	T	MCPA	7.868	8.315	212.7E6	56624493	17.882	17.775
8)	T	DICHLORPROP	8.254	8.691	871.9E6	348.8E6	236.185	225.527
9)	T	2,4-D	8.487	9.027	727.2E6	369.5E6	214.344	221.836
10)	T	Pentachlo...	8.794	9.551	12128.2E6	8330.8E6	234.117	217.854
11)	T	2,4,5-TP ...	9.375	9.933	4233.7E6	3133.8E6	210.774	216.695
12)	T	2,4,5-T	9.670	10.359	3278.8E6	2973.3E6	196.020	214.899
13)	T	2,4-DB	10.249	10.927	471.5E6	260.9E6	193.094	218.864
14)	T	DINOSEB	11.468	11.312	2859.8E6	2274.7E6	204.681	209.757
15)	T	Picloram	11.278	12.421	3022.6E6	4586.9E6	185.564	196.104
16)	T	DCPA	11.763	12.355	5510.6E6	4823.7E6	213.250	217.126

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

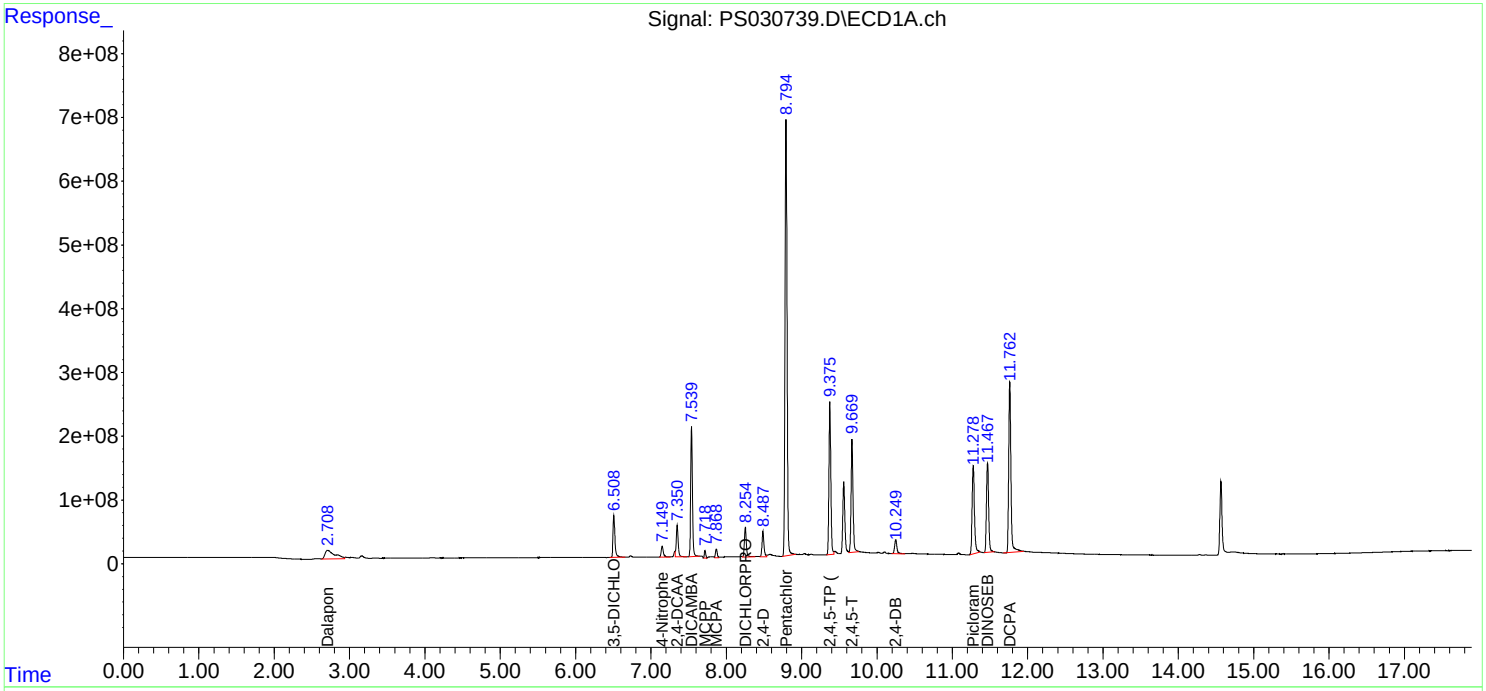
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030739.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:25
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

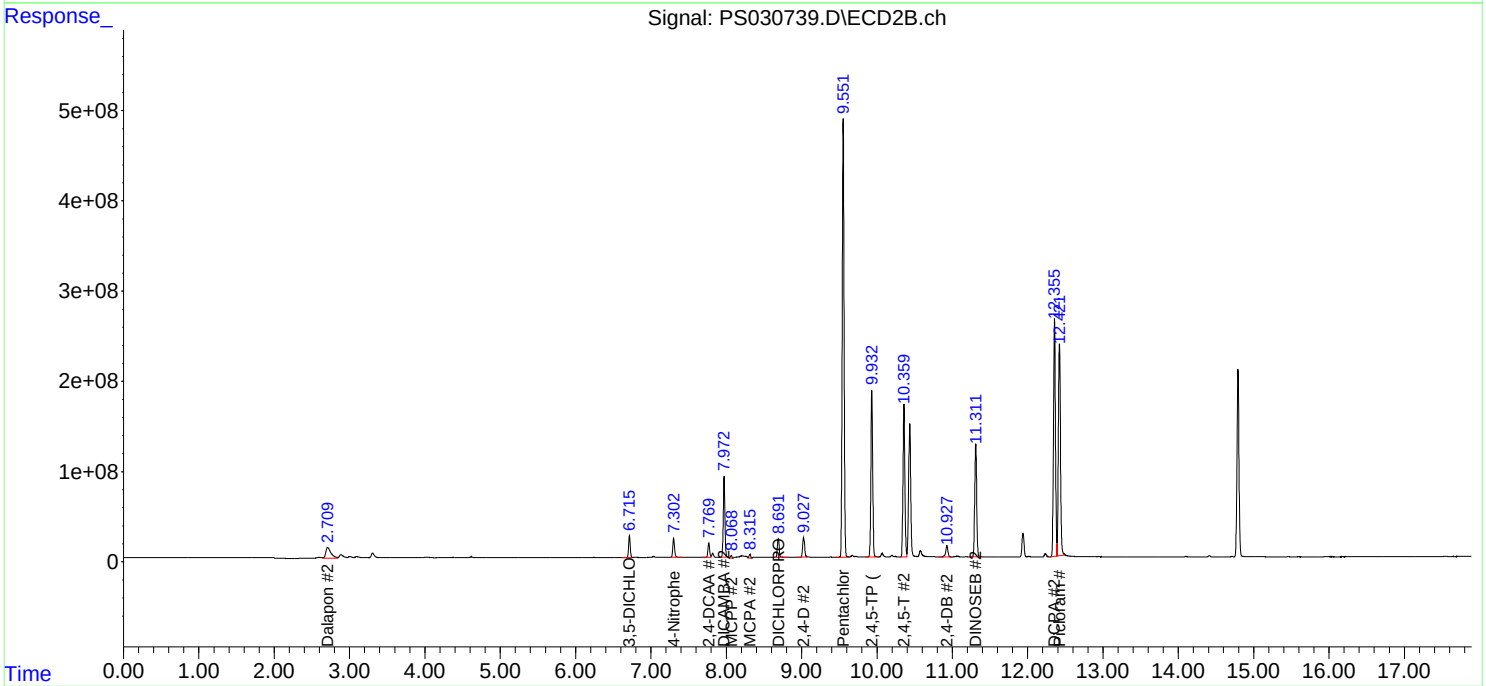
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

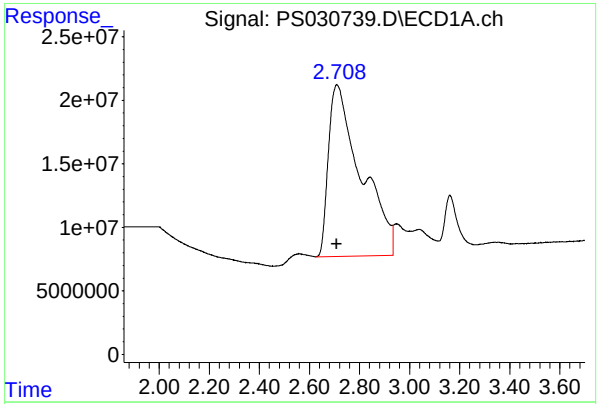
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:36:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 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







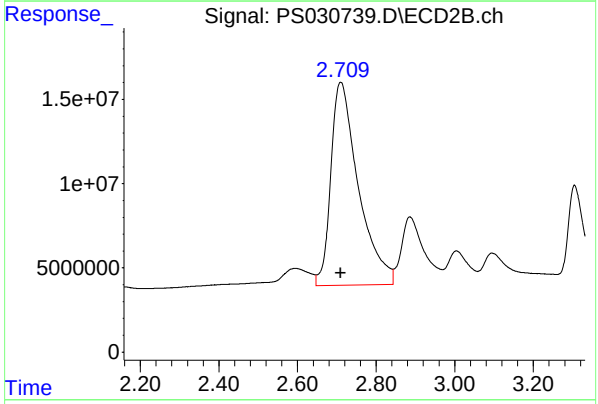
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 1216618299
Conc: 209.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

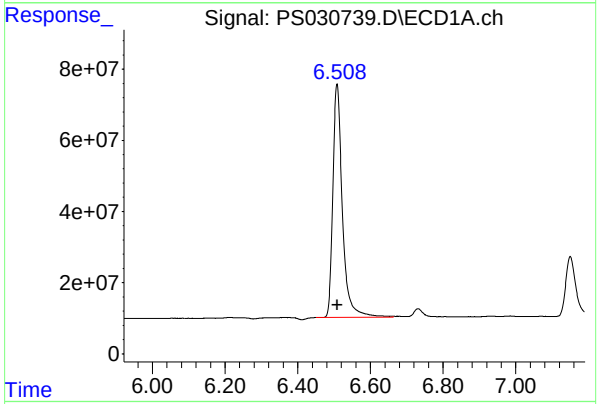
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



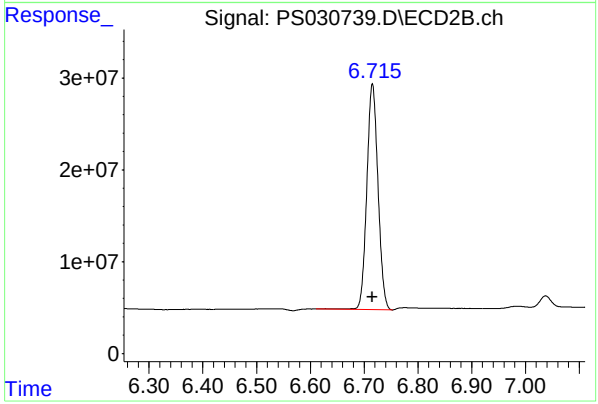
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 586490543
Conc: 209.69 ng/ml



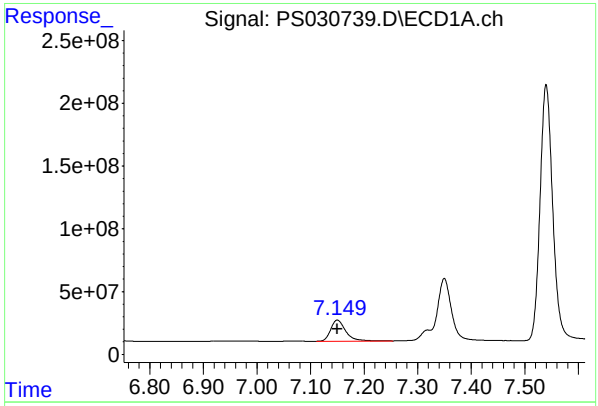
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: 0.000 min
Response: 1200355707
Conc: 220.93 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 354959043
Conc: 217.93 ng/ml



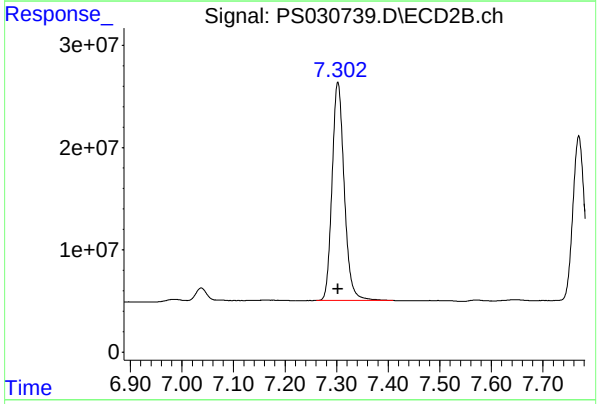
#3 4-Nitrophenol

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 330195714
Conc: 207.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

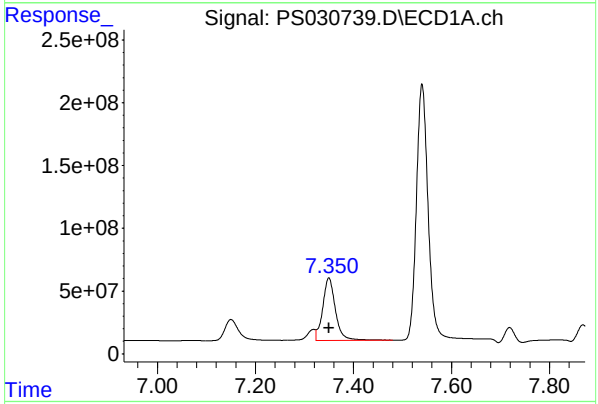
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



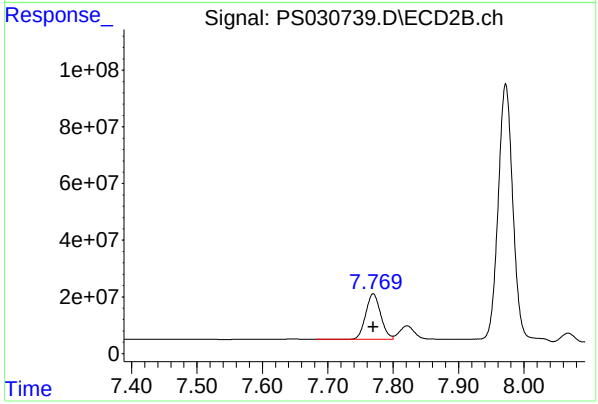
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.000 min
Response: 350347223
Conc: 199.99 ng/ml



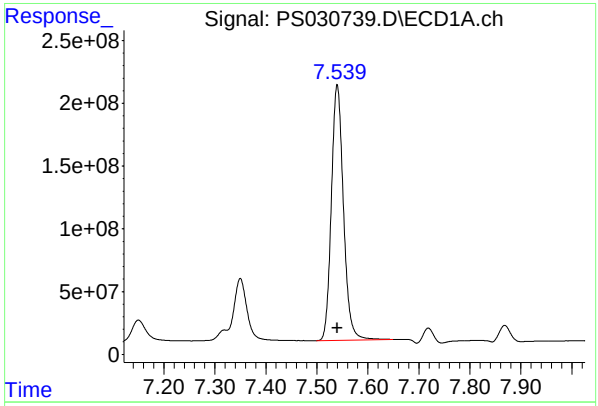
#4 2,4-DCAA

R.T.: 7.350 min
Delta R.T.: 0.000 min
Response: 890240378
Conc: 238.92 ng/ml



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 256650055
Conc: 237.13 ng/ml



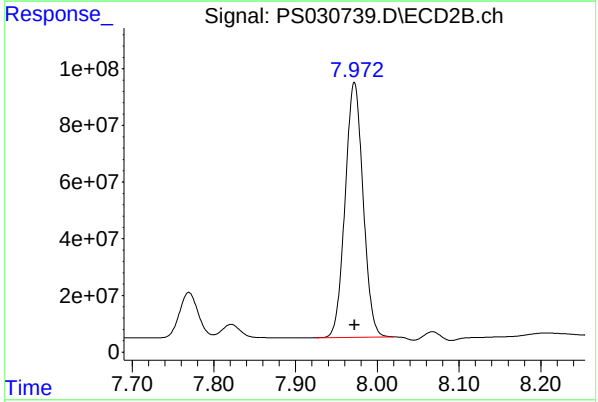
#5 DICAMBA

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 3345025510
Conc: 213.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

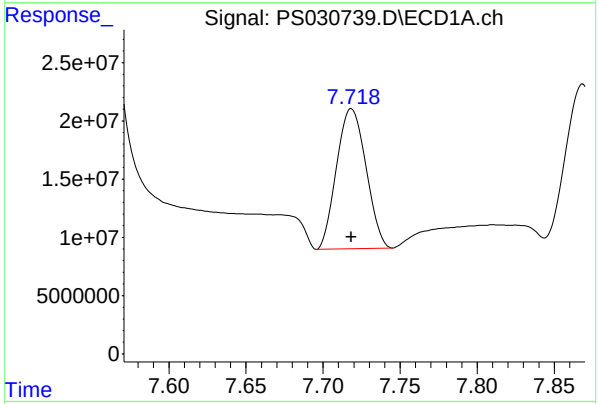
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



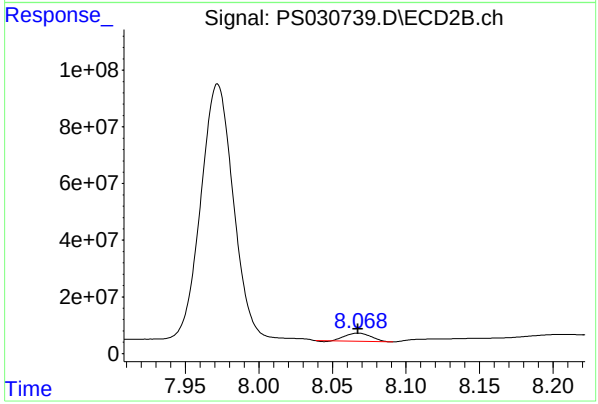
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 1373334985
Conc: 207.02 ng/ml



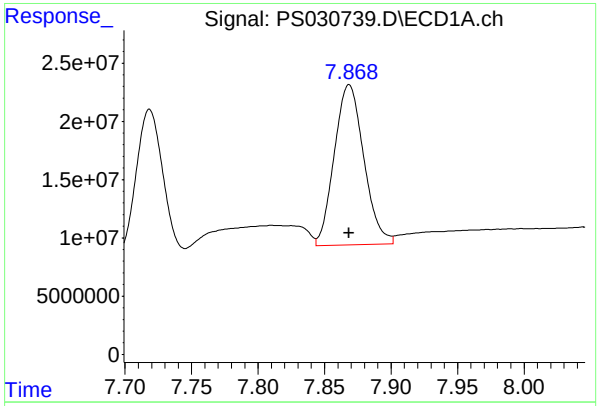
#6 MCPP

R.T.: 7.718 min
Delta R.T.: 0.000 min
Response: 158987678
Conc: 16.56 ug/ml



#6 MCPP

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 35228767
Conc: 16.29 ug/ml



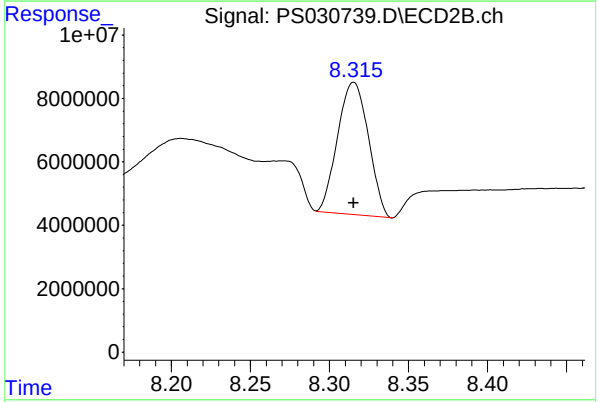
#7 MCPA

R.T.: 7.868 min
Delta R.T.: 0.000 min
Response: 212651278
Conc: 17.88 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

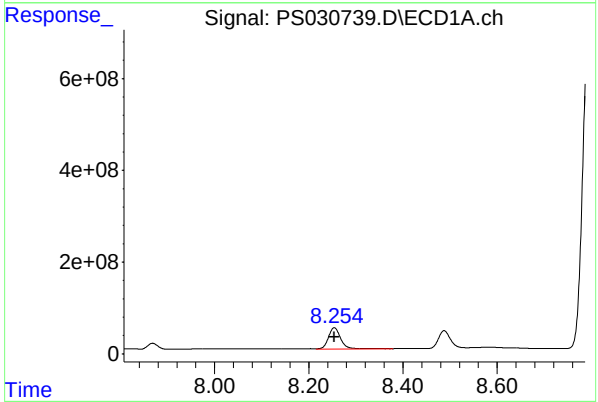
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



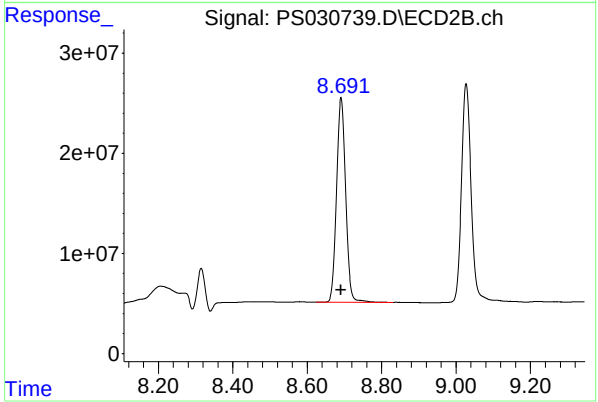
#7 MCPA

R.T.: 8.315 min
Delta R.T.: 0.000 min
Response: 56624493
Conc: 17.77 ug/ml



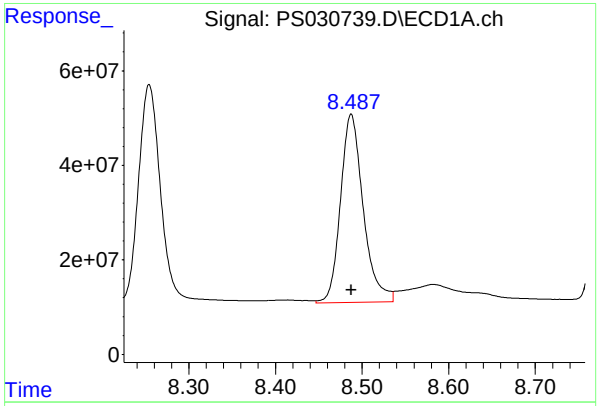
#8 DICHLORPROP

R.T.: 8.254 min
Delta R.T.: 0.000 min
Response: 871875298
Conc: 236.18 ng/ml



#8 DICHLORPROP

R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 348773849
Conc: 225.53 ng/ml



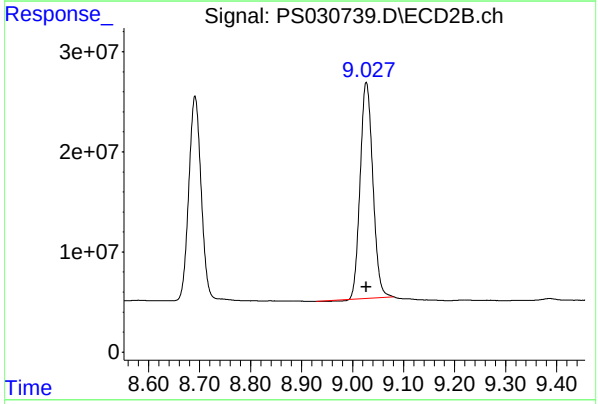
#9 2,4-D

R.T.: 8.487 min
Delta R.T.: 0.000 min
Response: 727197428
Conc: 214.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

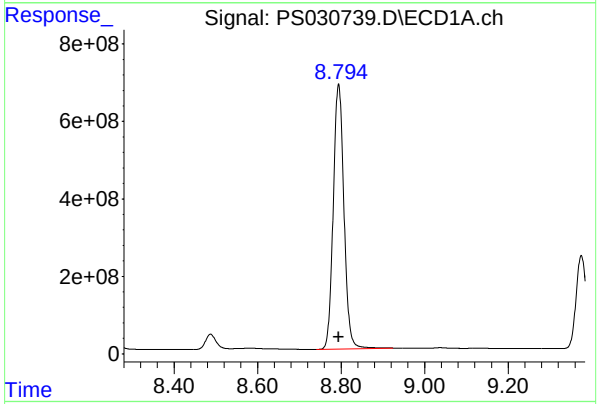
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



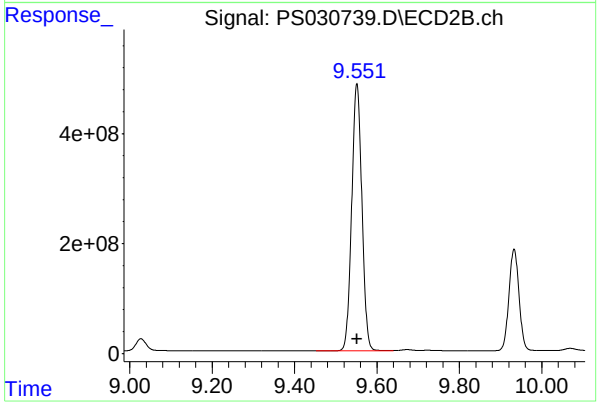
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 369521496
Conc: 221.84 ng/ml



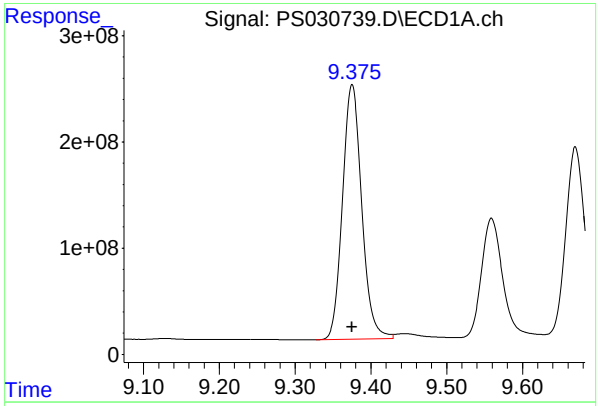
#10 Pentachlorophenol

R.T.: 8.794 min
Delta R.T.: 0.000 min
Response: 12128248123
Conc: 234.12 ng/ml



#10 Pentachlorophenol

R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 8330812577
Conc: 217.85 ng/ml



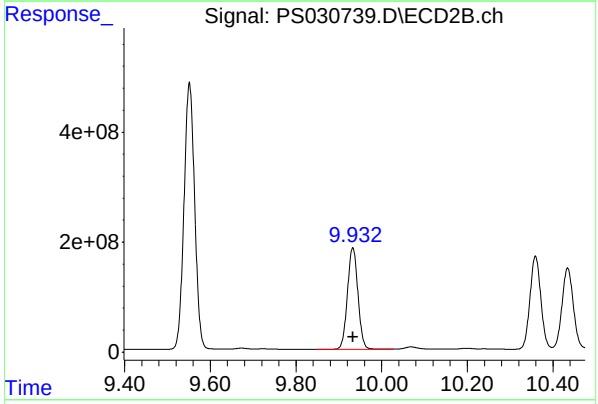
#11 2,4,5-TP (SILVEX)

R.T.: 9.375 min
Delta R.T.: 0.000 min
Response: 4233669041
Conc: 210.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

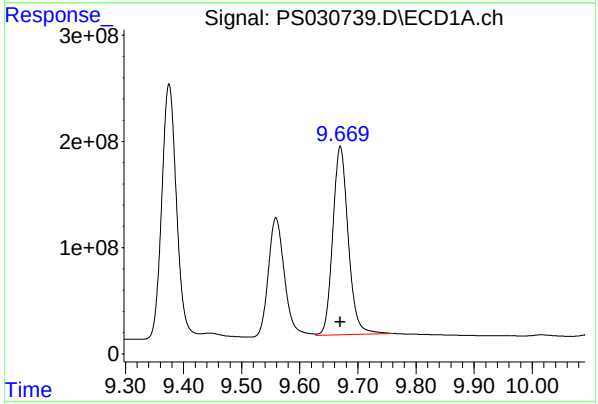
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



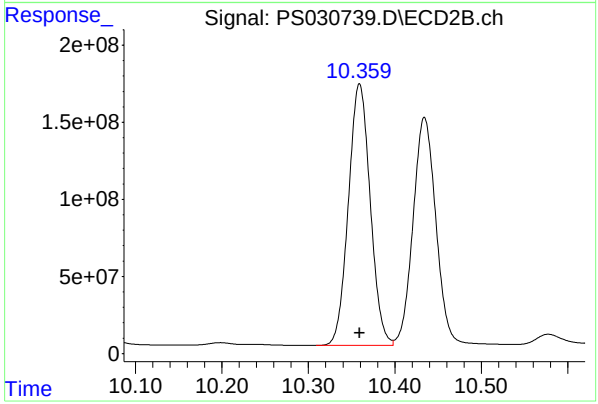
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 3133806660
Conc: 216.69 ng/ml



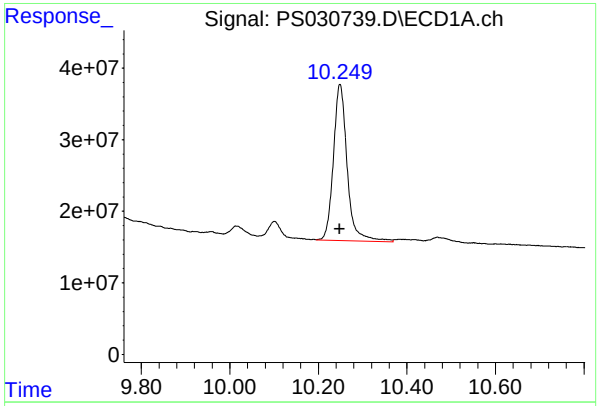
#12 2,4,5-T

R.T.: 9.670 min
Delta R.T.: 0.000 min
Response: 3278778995
Conc: 196.02 ng/ml



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 2973293568
Conc: 214.90 ng/ml



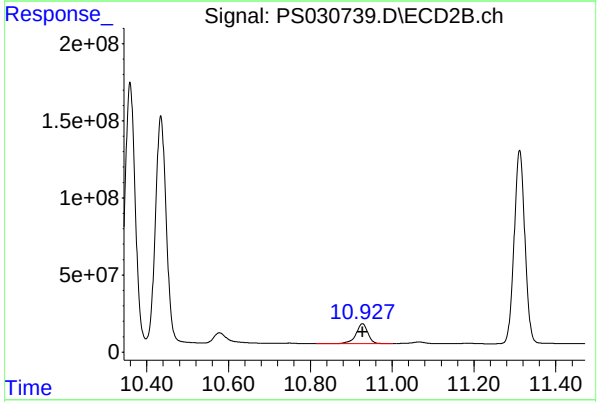
#13 2,4-DB

R.T.: 10.249 min
Delta R.T.: 0.000 min
Response: 471504086
Conc: 193.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

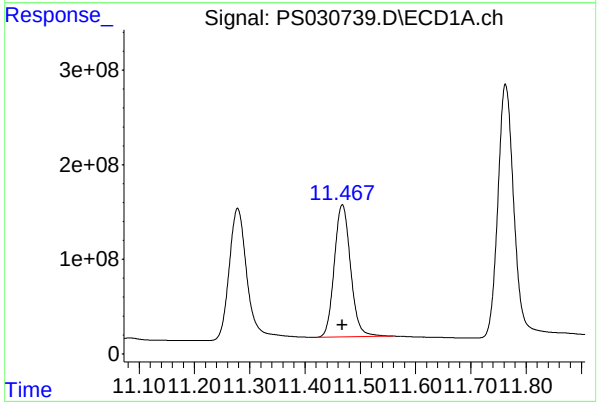
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



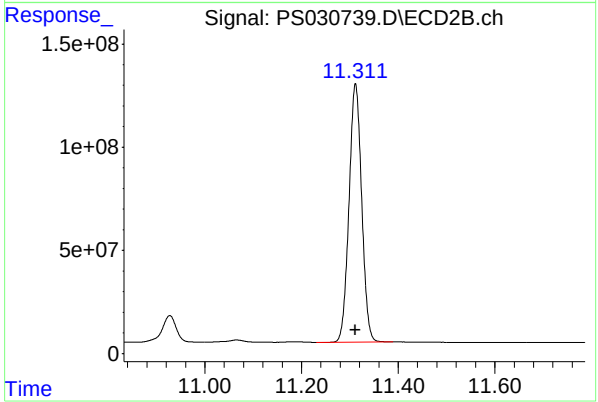
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.000 min
Response: 260930449
Conc: 218.86 ng/ml



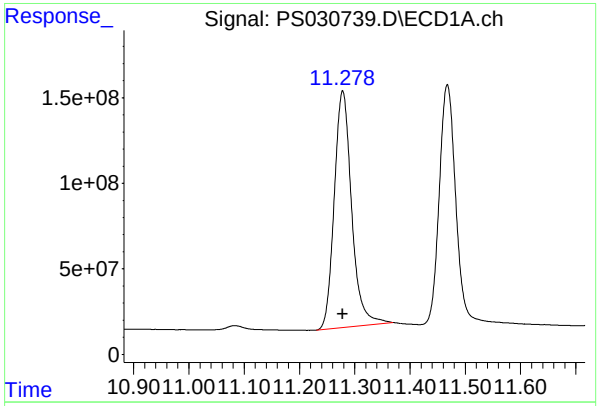
#14 DINOSEB

R.T.: 11.468 min
Delta R.T.: 0.000 min
Response: 2859823165
Conc: 204.68 ng/ml



#14 DINOSEB

R.T.: 11.312 min
Delta R.T.: 0.000 min
Response: 2274687746
Conc: 209.76 ng/ml



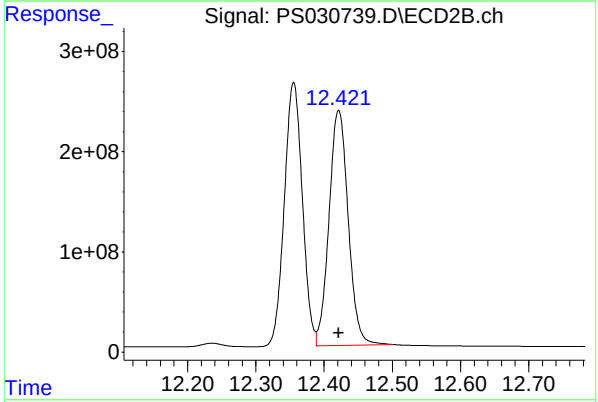
#15 Picloram

R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 3022613176
Conc: 185.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

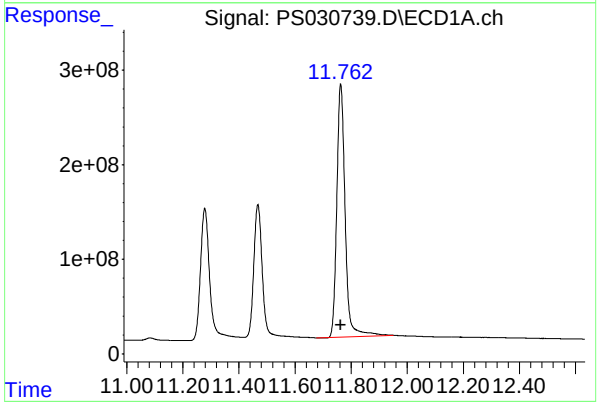
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



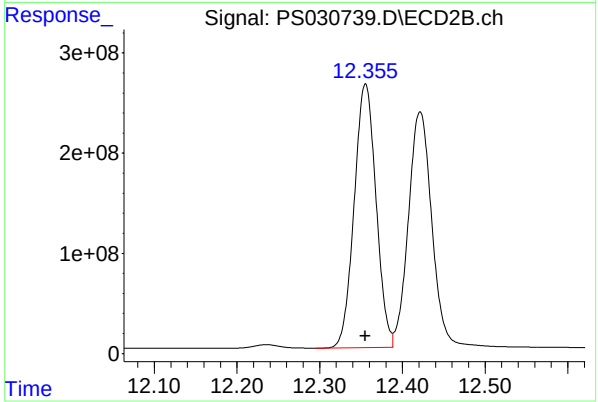
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 4586919644
Conc: 196.10 ng/ml



#16 DCPA

R.T.: 11.763 min
Delta R.T.: 0.000 min
Response: 5510575707
Conc: 213.25 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 4823707672
Conc: 217.13 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:49
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:34:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 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	7.349	7.769	1894.0E6	542.0E6	534.313	525.189
	Target Compounds						
1) T	Dalapon	2.708	2.709	2862.2E6	1279.7E6	484.339	475.652
2) T	3,5-DICHL...	6.508	6.715	2569.3E6	760.8E6	496.180	488.050
3) T	4-Nitroph...	7.149	7.302	729.5E6	790.6E6	474.299	462.739
5) T	DICAMBA	7.540	7.972	7479.7E6	3126.9E6	494.182	483.595
6) T	MCPP	7.720	8.069	436.8E6	102.3E6	44.172	45.746
7) T	MCPA	7.870	8.318	540.3E6	147.9E6	45.001	45.908
8) T	DICHLORPROP	8.254	8.692	1748.9E6	734.6E6	506.186	499.946
9) T	2,4-D	8.487	9.027	1597.1E6	785.7E6	487.842	493.919
10) T	Pentachlo...	8.795	9.552	26722.4E6	18957.2E6	547.623	514.600
11) T	2,4,5-TP ...	9.376	9.933	9687.8E6	6985.5E6	495.865	500.612
12) T	2,4,5-T	9.670	10.359	7923.0E6	6659.0E6	477.455	497.589
13) T	2,4-DB	10.247	10.927	1122.4E6	569.7E6	461.548	496.724
14) T	DINOSEB	11.468	11.312	6580.8E6	5105.3E6	481.683	484.806
15) T	Picloram	11.277	12.420	7497.3E6	11149.1E6	457.602	480.512
16) T	DCPA	11.762	12.356	12752.8E6	10935.3E6	507.557	508.871

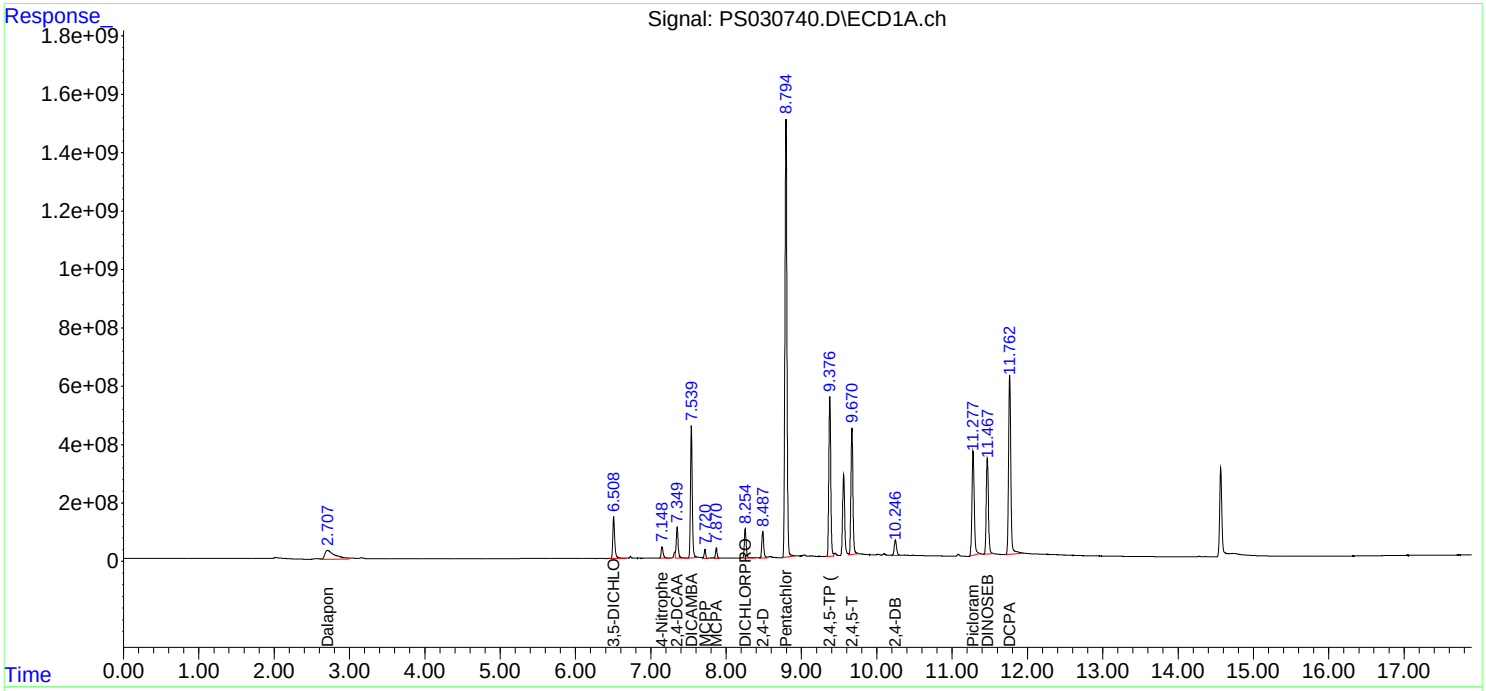
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

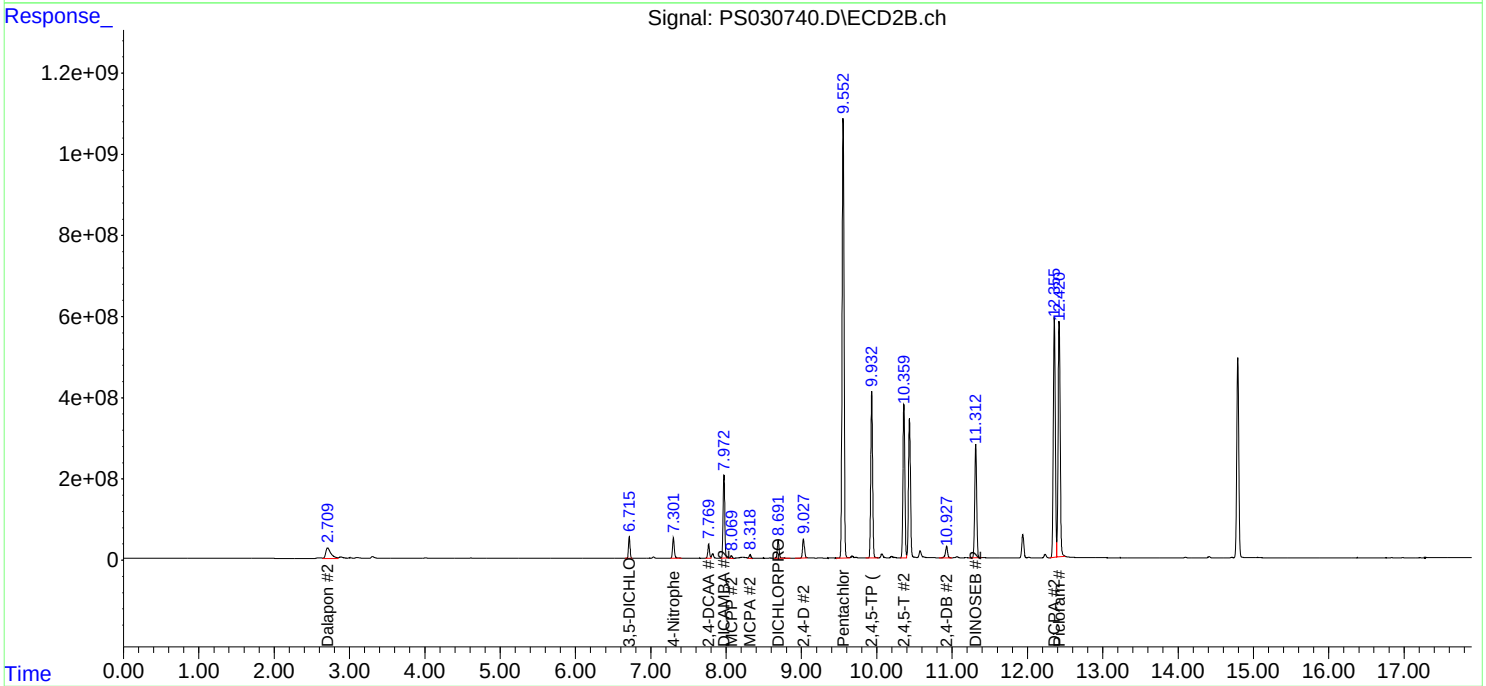
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:49
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

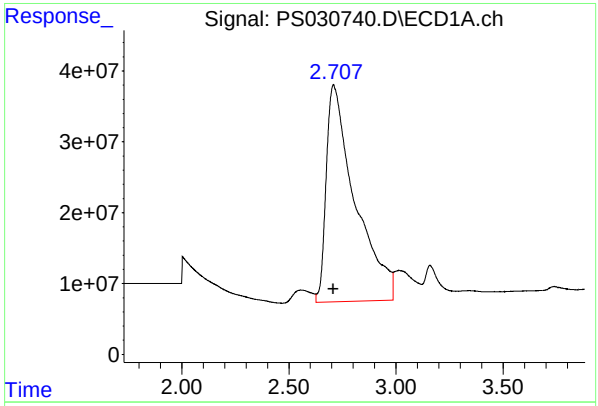
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:34:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 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



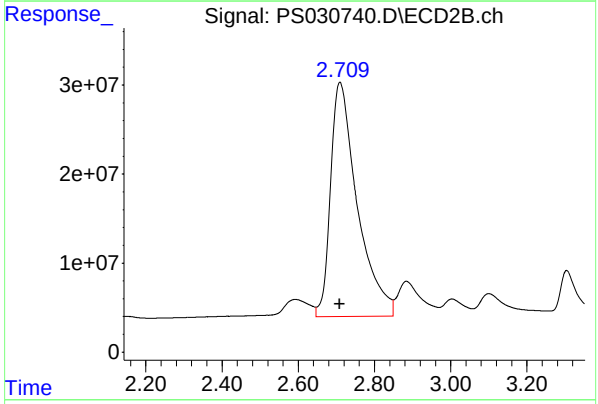




#1 Dalapon

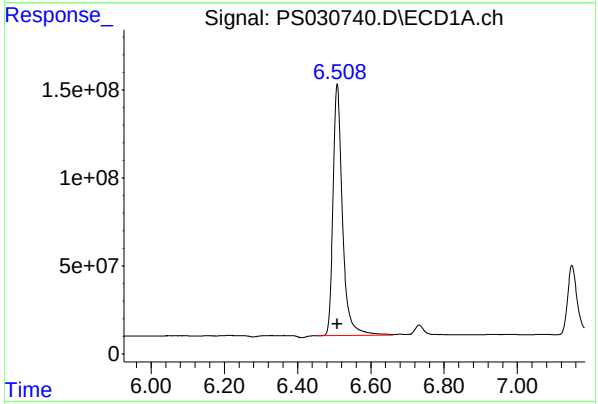
R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 2862221008
Conc: 484.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



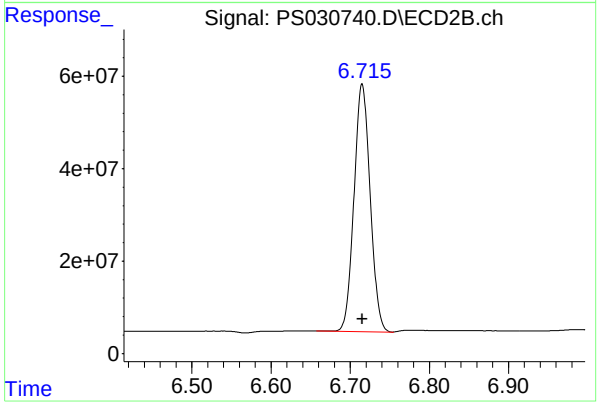
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 1279731228
Conc: 475.65 ng/ml



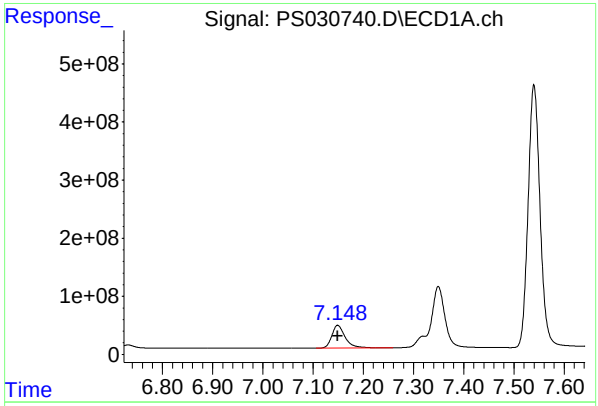
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: 0.000 min
Response: 2569297771
Conc: 496.18 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

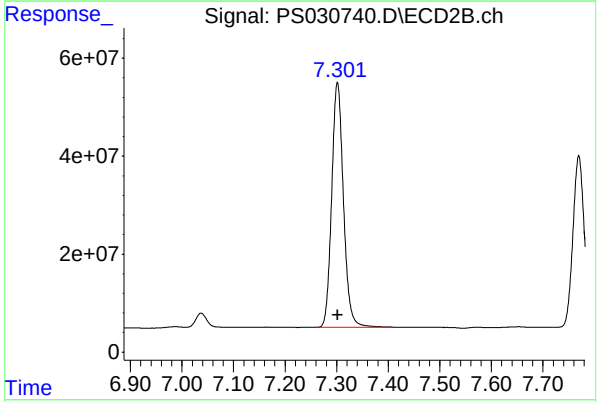
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 760818176
Conc: 488.05 ng/ml



#3 4-Nitrophenol

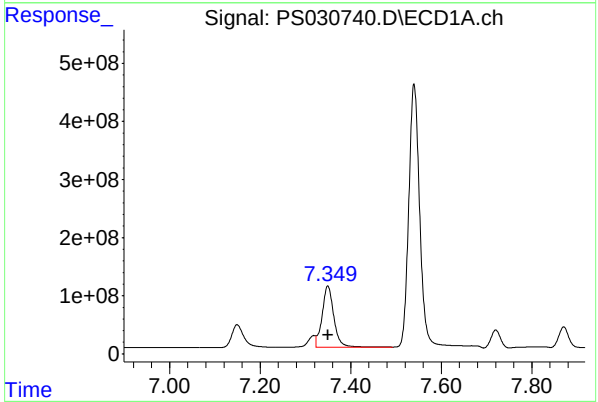
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 729467676
Conc: 474.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



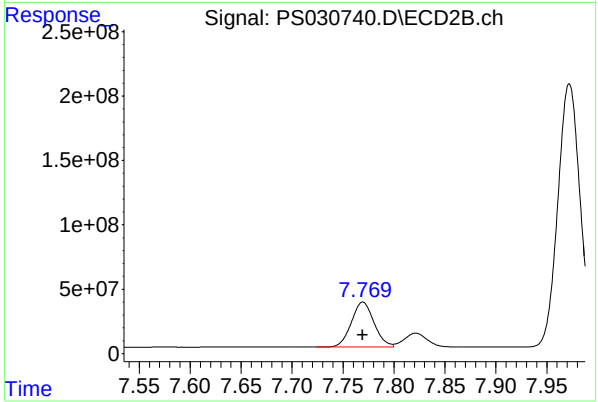
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.000 min
Response: 790603893
Conc: 462.74 ng/ml



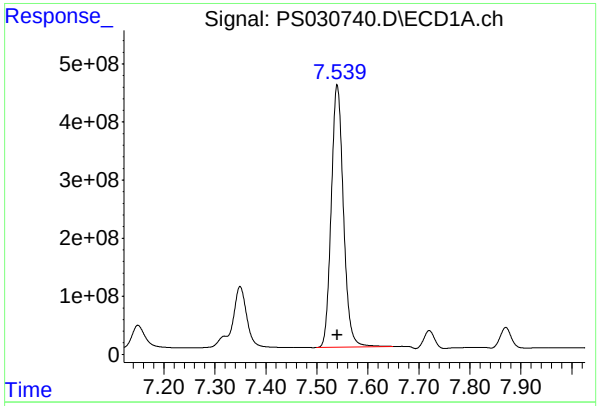
#4 2,4-DCAA

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 1894043365
Conc: 534.31 ng/ml



#4 2,4-DCAA

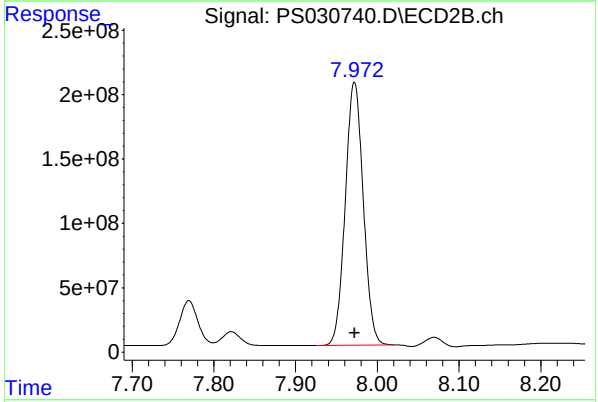
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 542041437
Conc: 525.19 ng/ml



#5 DICAMBA

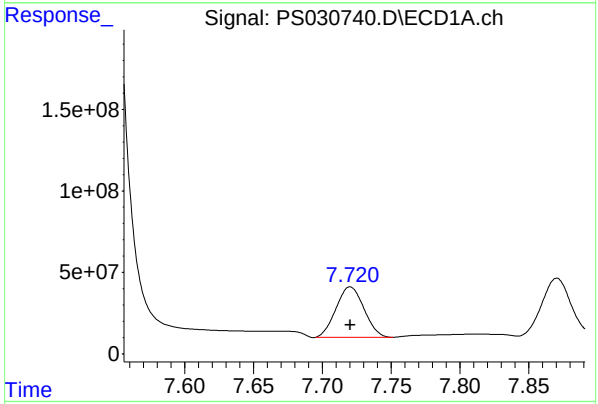
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 7479729434
Conc: 494.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



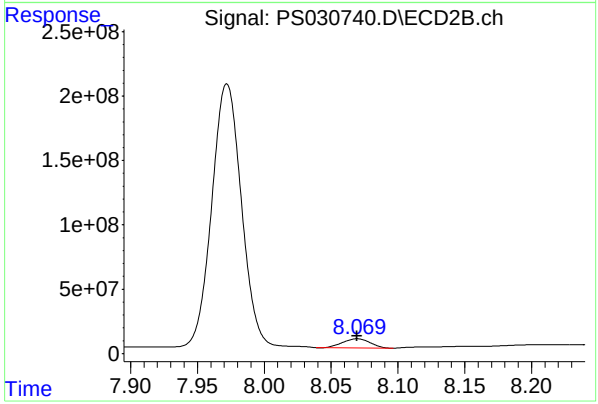
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 3126949750
Conc: 483.59 ng/ml



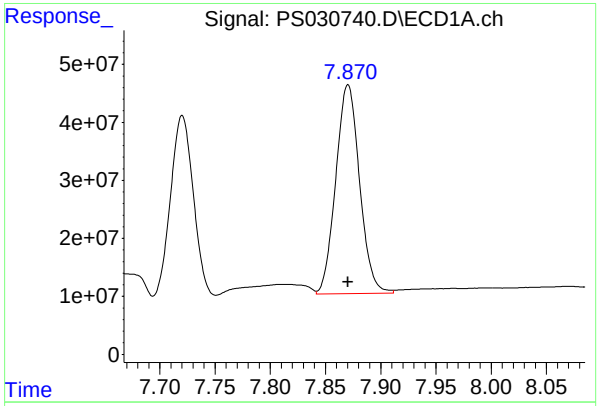
#6 MCPP

R.T.: 7.720 min
Delta R.T.: 0.000 min
Response: 436754143
Conc: 44.17 ug/ml



#6 MCPP

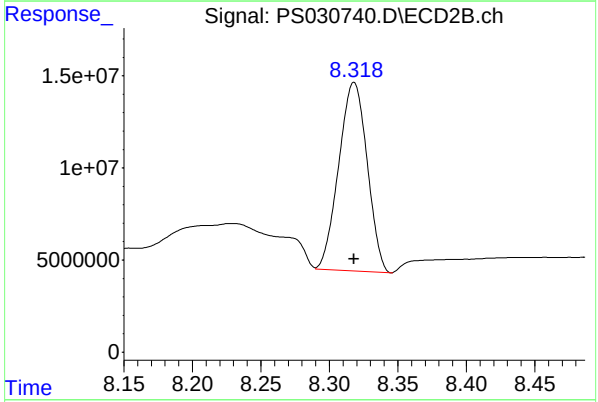
R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 102262751
Conc: 45.75 ug/ml



#7 MCPA

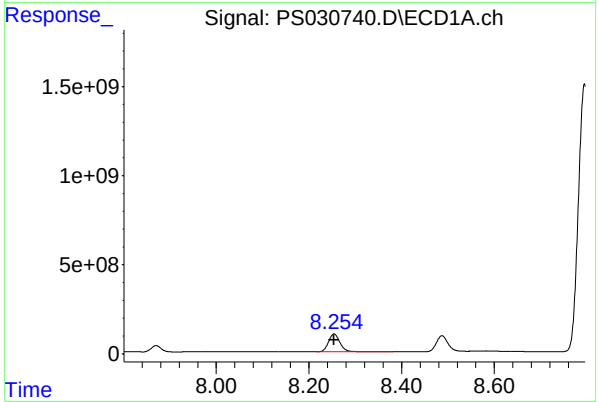
R.T.: 7.870 min
Delta R.T.: 0.000 min
Response: 540302434
Conc: 45.00 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



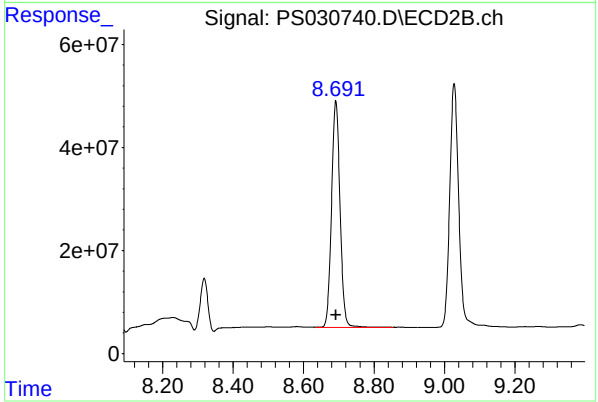
#7 MCPA

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 147869706
Conc: 45.91 ug/ml



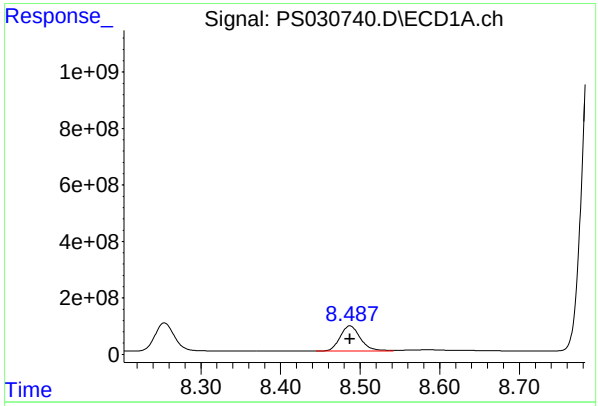
#8 DICHLORPROP

R.T.: 8.254 min
Delta R.T.: 0.000 min
Response: 1748856190
Conc: 506.19 ng/ml



#8 DICHLORPROP

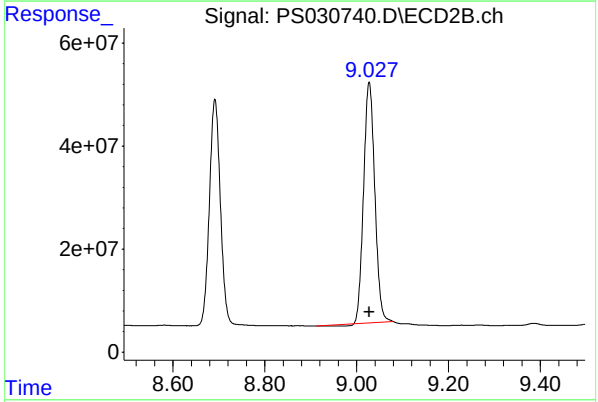
R.T.: 8.692 min
Delta R.T.: 0.000 min
Response: 734574555
Conc: 499.95 ng/ml



#9 2,4-D

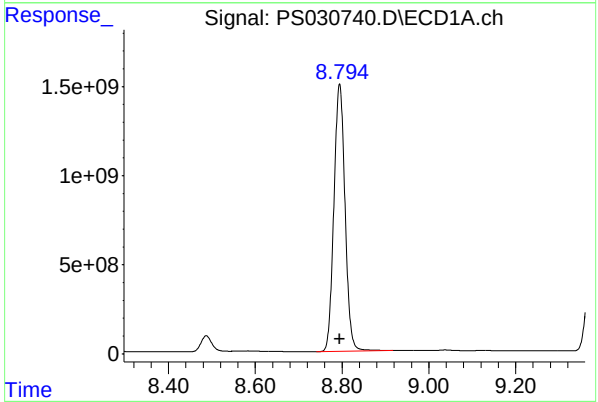
R.T.: 8.487 min
Delta R.T.: 0.000 min
Response: 1597102601
Conc: 487.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



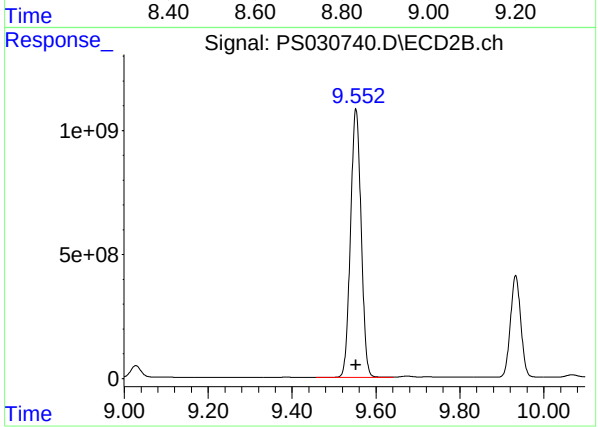
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 785721519
Conc: 493.92 ng/ml



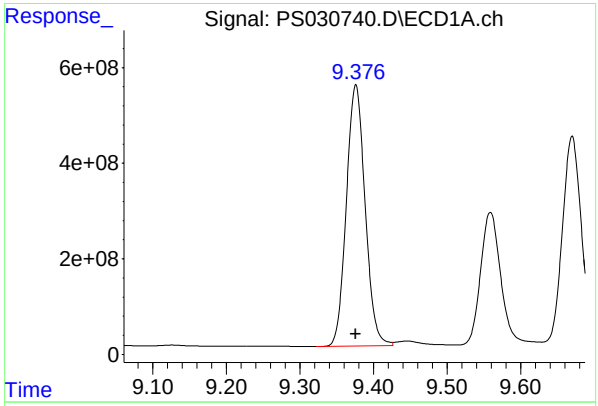
#10 Pentachlorophenol

R.T.: 8.795 min
Delta R.T.: 0.000 min
Response: 26722373224
Conc: 547.62 ng/ml



#10 Pentachlorophenol

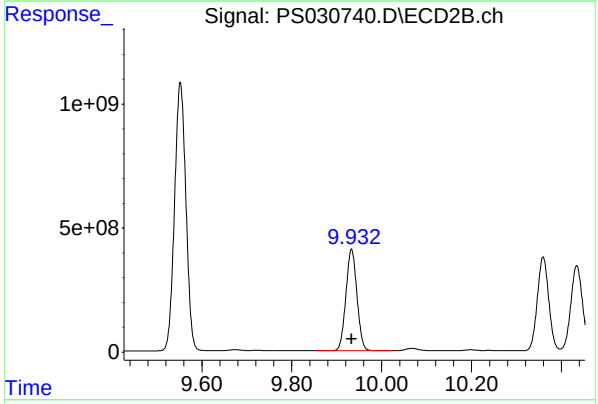
R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 18957211163
Conc: 514.60 ng/ml



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

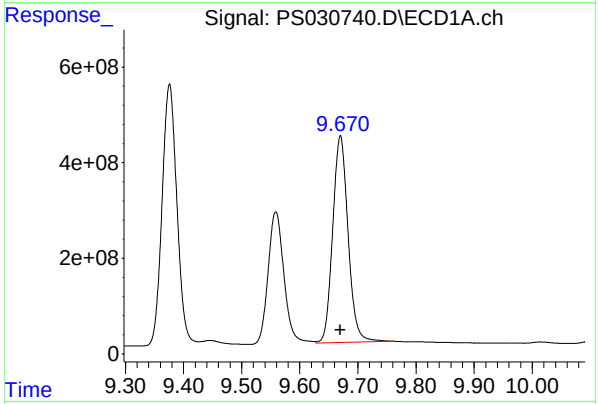
R.T.: 9.376 min
Delta R.T.: 0.000 min
Response: 9687818622
Conc: 495.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



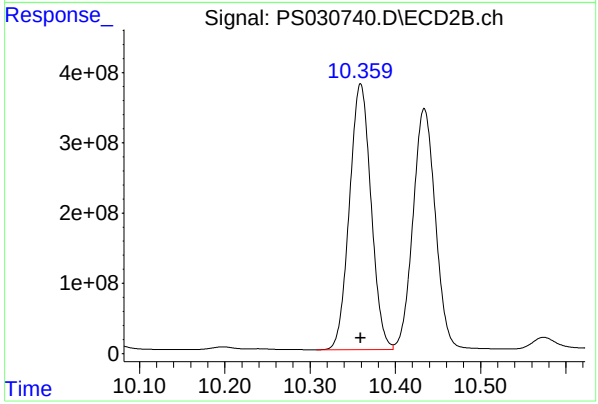
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 6985473895
Conc: 500.61 ng/ml



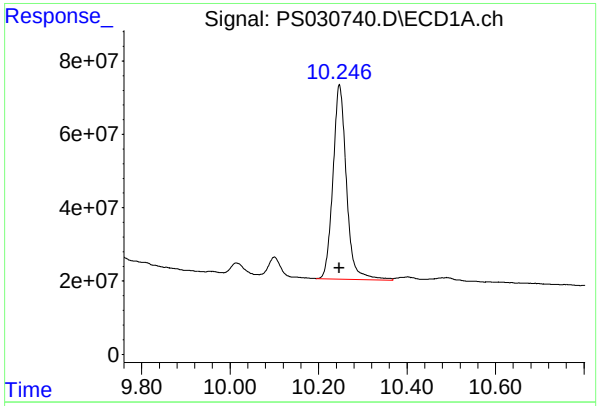
#12 2,4,5-T

R.T.: 9.670 min
Delta R.T.: 0.000 min
Response: 7923010324
Conc: 477.46 ng/ml



#12 2,4,5-T

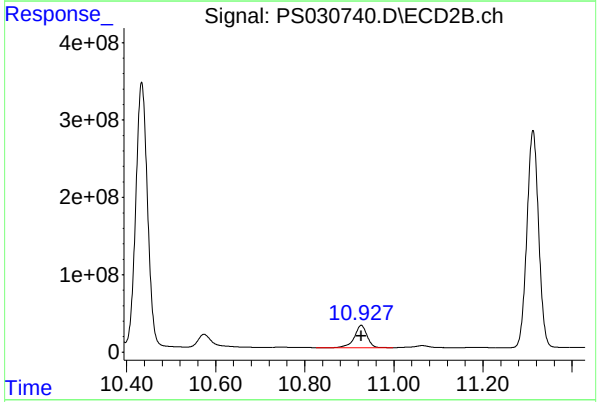
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 6658982559
Conc: 497.59 ng/ml



#13 2,4-DB

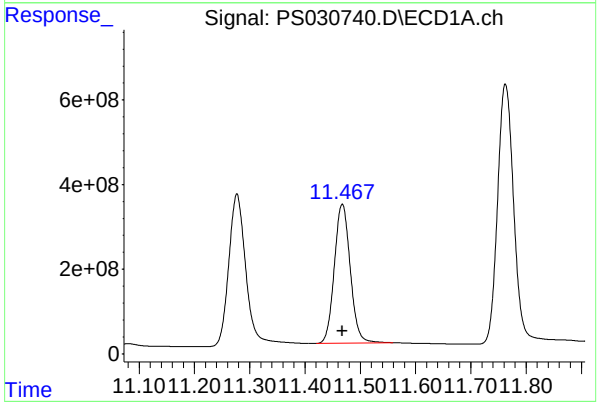
R.T.: 10.247 min
Delta R.T.: 0.000 min
Response: 1122433453
Conc: 461.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



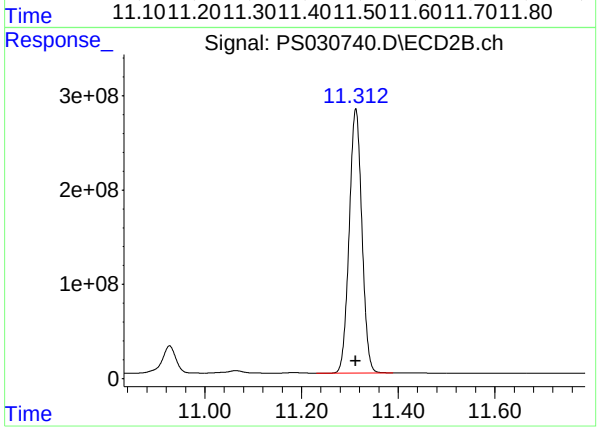
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.000 min
Response: 569705896
Conc: 496.72 ng/ml



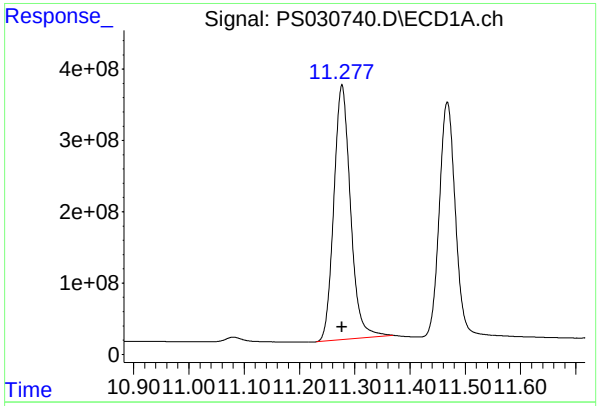
#14 DINOSEB

R.T.: 11.468 min
Delta R.T.: 0.000 min
Response: 6580831201
Conc: 481.68 ng/ml



#14 DINOSEB

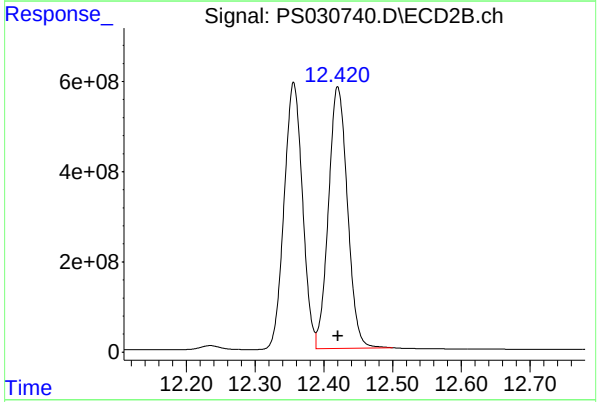
R.T.: 11.312 min
Delta R.T.: 0.000 min
Response: 5105332745
Conc: 484.81 ng/ml



#15 Picloram

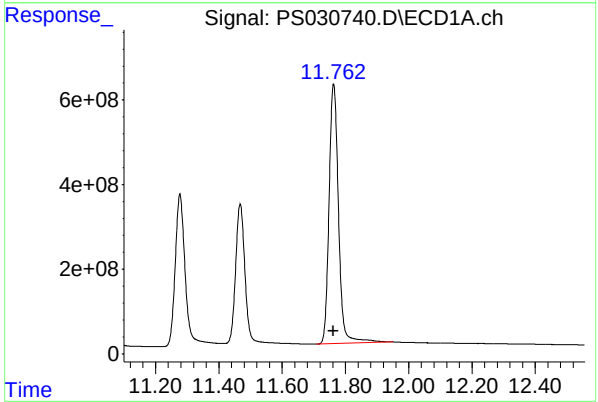
R.T.: 11.277 min
Delta R.T.: 0.000 min
Response: 7497276493
Conc: 457.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



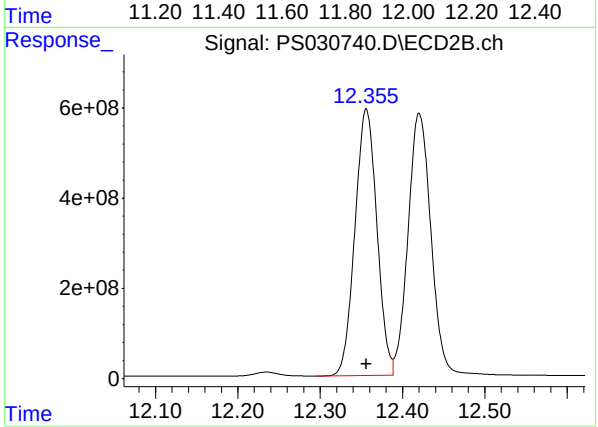
#15 Picloram

R.T.: 12.420 min
Delta R.T.: 0.000 min
Response: 11149054305
Conc: 480.51 ng/ml



#16 DCPA

R.T.: 11.762 min
Delta R.T.: 0.000 min
Response: 12752835308
Conc: 507.56 ng/ml



#16 DCPA

R.T.: 12.356 min
Delta R.T.: 0.000 min
Response: 10935289438
Conc: 508.87 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030741.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 12:13
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:28:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:26:06 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	7.349	7.770	2695.0E6	788.0E6	735.040m	750.000
	Target Compounds						
1) T	Dalapon	2.711	2.709	4110.7E6	1860.0E6	682.500	682.500
2) T	3,5-DICHL...	6.508	6.715	3694.2E6	1104.7E6	697.500	697.500
3) T	4-Nitroph...	7.148	7.301	1058.7E6	1177.8E6	682.500	682.500
5) T	DICAMBA	7.539	7.972	10887.5E6	4629.4E6	705.000	705.000
6) T	MCPP	7.721	8.071	692.7E6	159.8E6	70.500	70.500
7) T	MCPA	7.872	8.321	834.2E6	225.9E6	69.750	69.750
8) T	DICHLORPROP	8.253	8.691	2465.2E6	1056.4E6	705.000	705.000
9) T	2,4-D	8.486	9.027	2330.4E6	1143.9E6	705.000	705.000
10) T	Pentachlo...	8.793	9.552	38633.6E6	27600.8E6	712.500	712.500
11) T	2,4,5-TP ...	9.375	9.933	14234.3E6	10200.5E6	712.500	712.500
12) T	2,4,5-T	9.668	10.359	11991.4E6	9758.3E6	712.500	712.500
13) T	2,4-DB	10.247	10.927	1715.3E6	829.1E6	712.500	712.500
14) T	DINOSEB	11.466	11.311	9809.4E6	7563.6E6	705.000	705.000
15) T	Picloram	11.275	12.421	11657.4E6	16873.3E6	712.500	712.500
16) T	DCPA	11.762	12.356	18560.8E6	15913.5E6	720.000	720.000

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

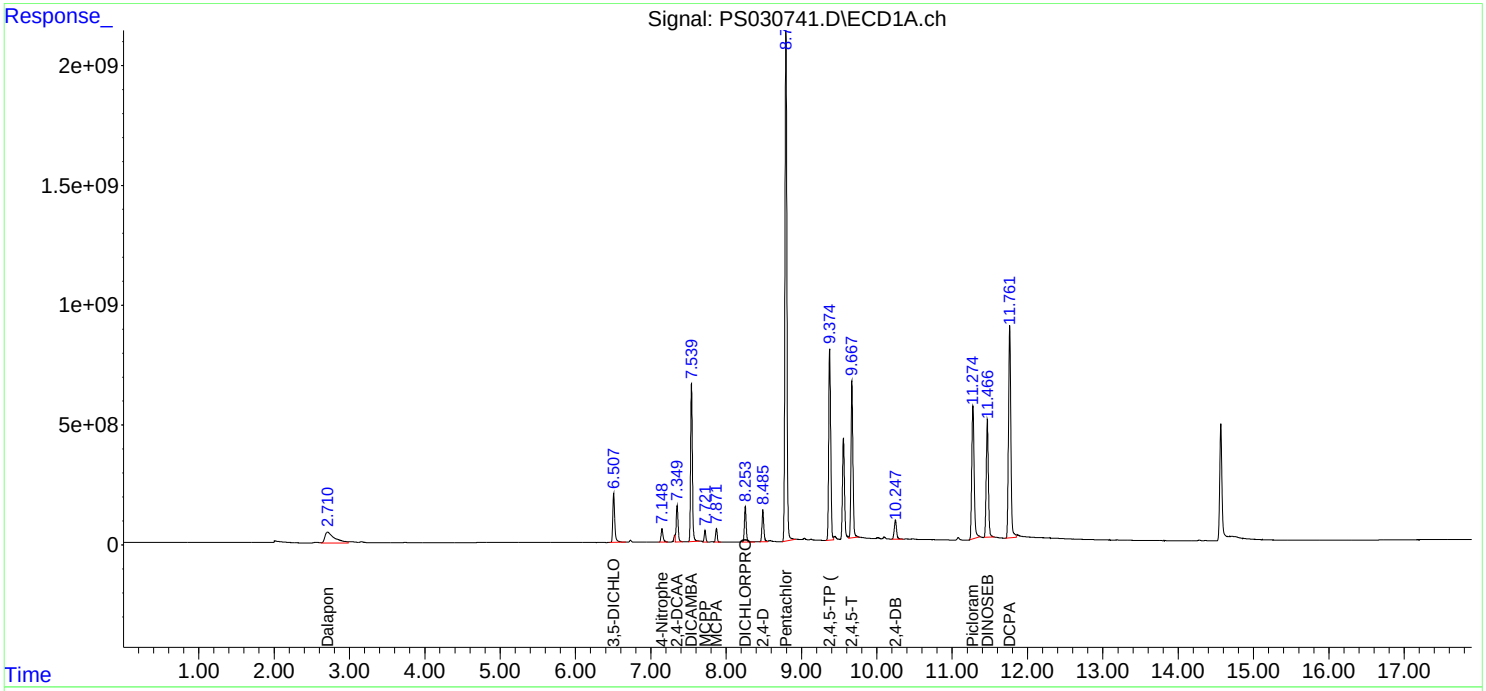
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030741.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 12:13
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

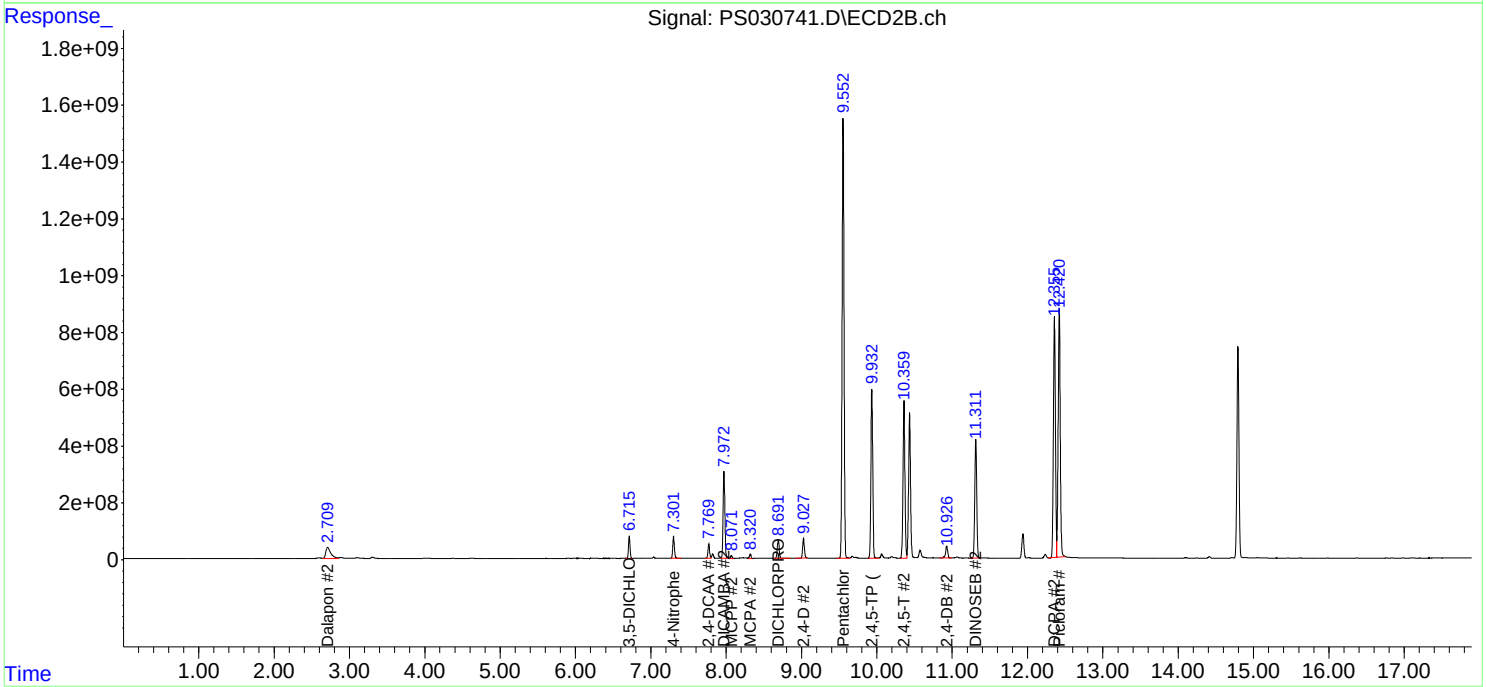
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

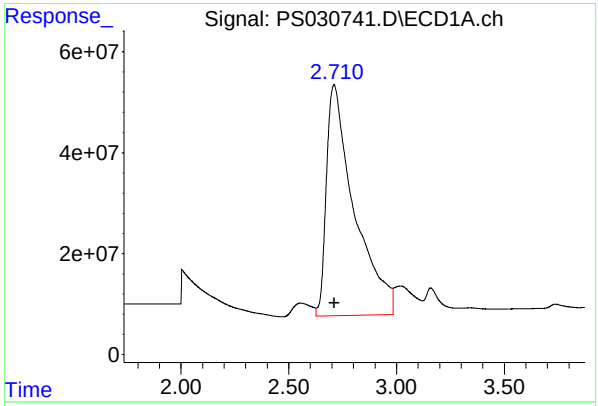
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:28:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:26:06 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







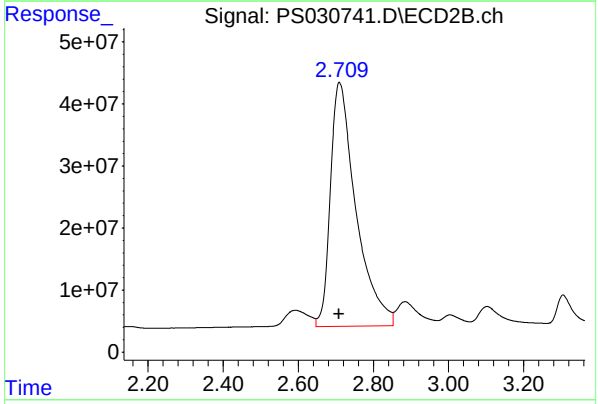
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 4110732348
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

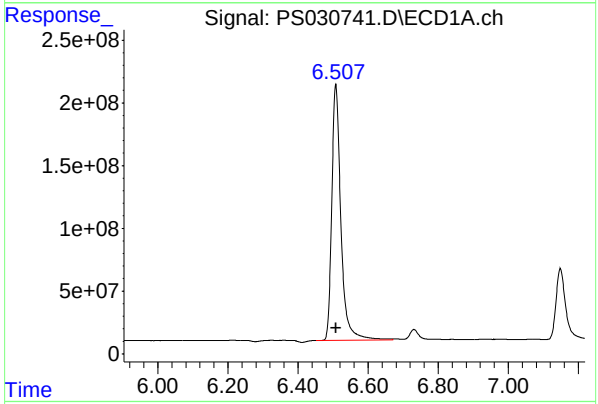
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



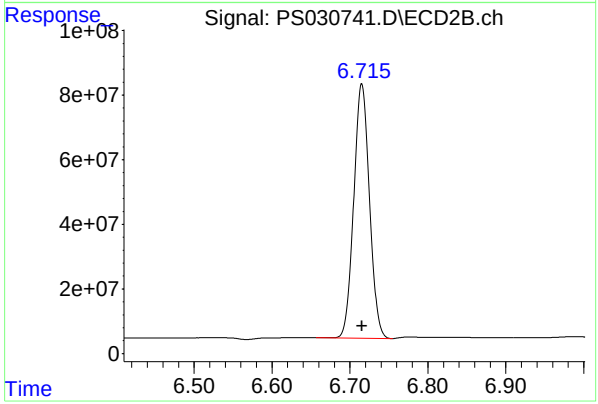
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 1859991643
Conc: 682.50 ng/ml



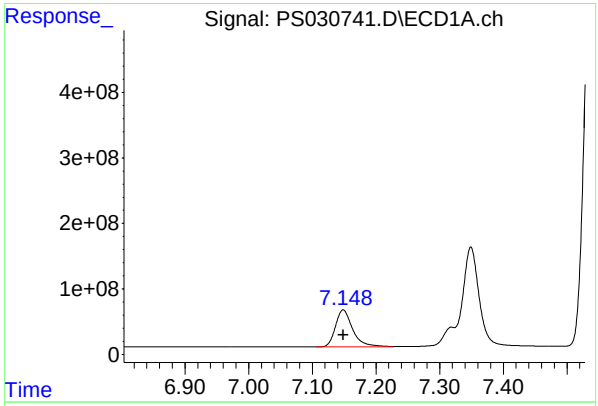
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: 0.000 min
Response: 3694171115
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 1104738592
Conc: 697.50 ng/ml



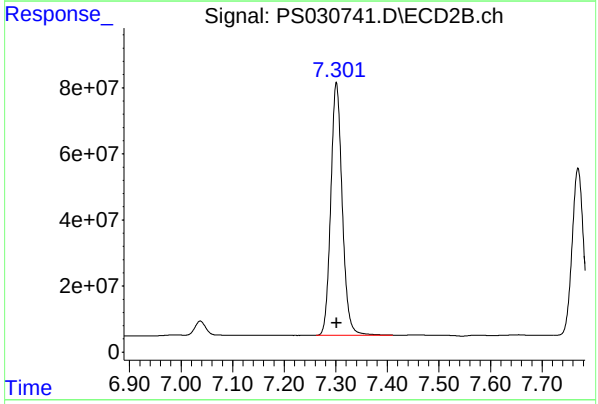
#3 4-Nitrophenol

R.T.: 7.148 min
Delta R.T.: 0.000 mi
Response: 1058651889
Conc: 682.50 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

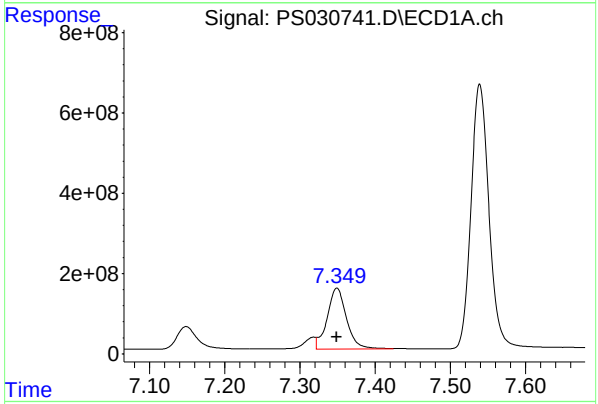
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



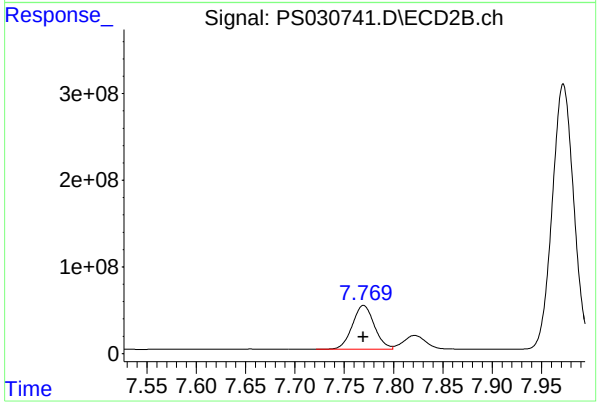
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1177806312
Conc: 682.50 ng/ml



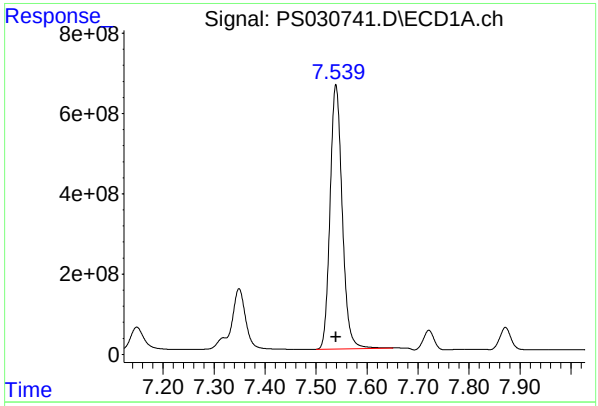
#4 2,4-DCAA

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 2695031866
Conc: 735.04 ng/ml m



#4 2,4-DCAA

R.T.: 7.770 min
Delta R.T.: 0.000 min
Response: 788025014
Conc: 750.00 ng/ml



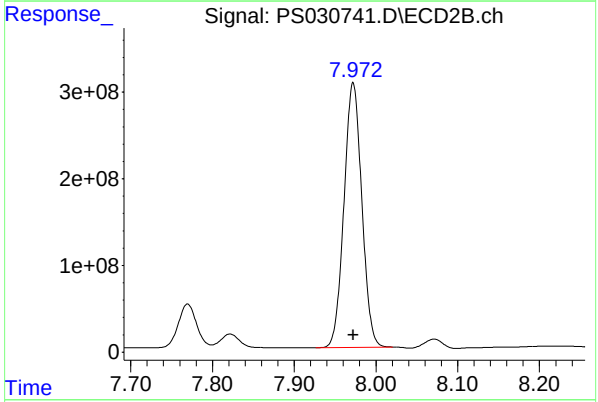
#5 DICAMBA

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 10887528591
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

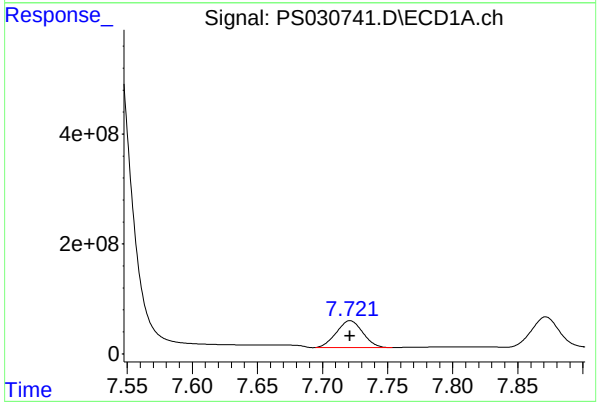
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



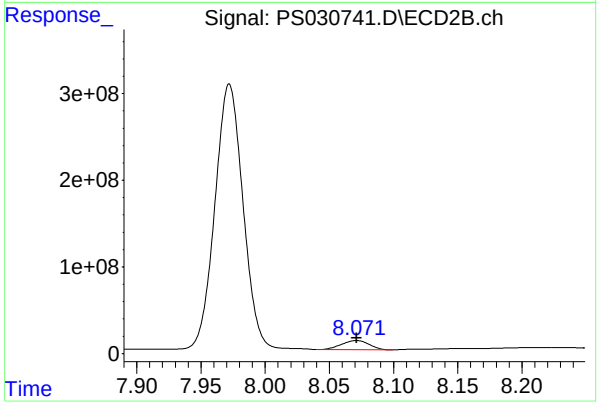
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 4629352370
Conc: 705.00 ng/ml



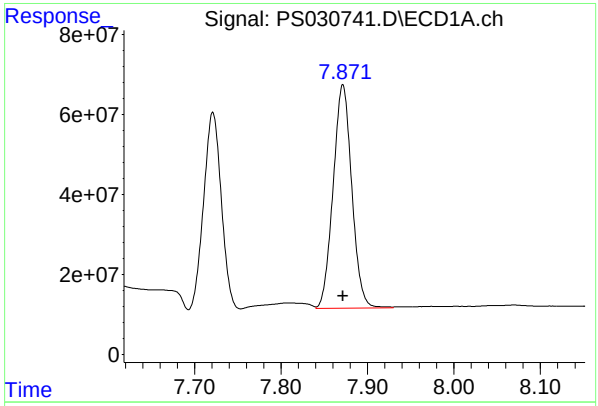
#6 MCPP

R.T.: 7.721 min
Delta R.T.: 0.000 min
Response: 692670314
Conc: 70.50 ug/ml



#6 MCPP

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 159785274
Conc: 70.50 ug/ml



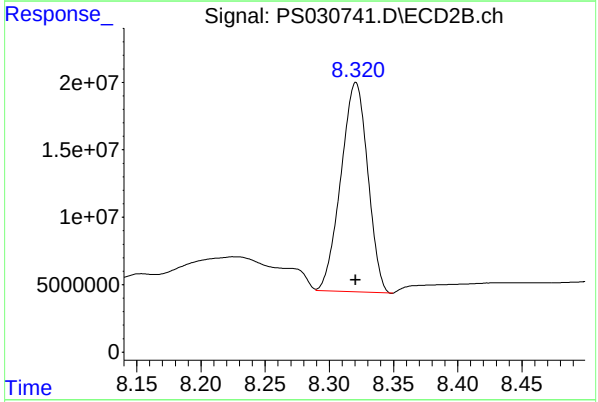
#7 MCPA

R.T.: 7.872 min
Delta R.T.: 0.000 min
Response: 834163992
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

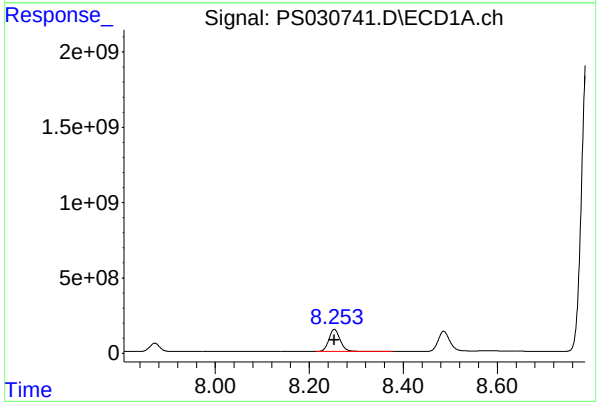
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



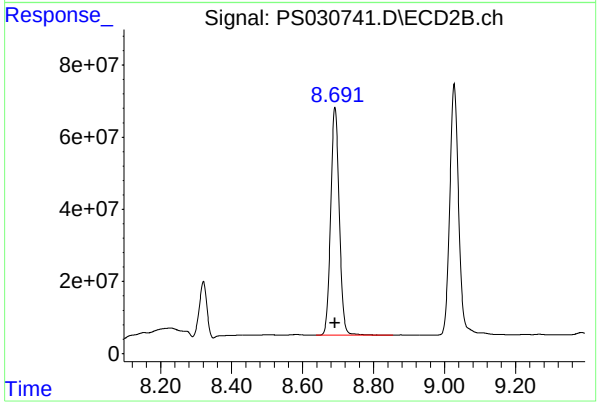
#7 MCPA

R.T.: 8.321 min
Delta R.T.: 0.000 min
Response: 225941875
Conc: 69.75 ug/ml



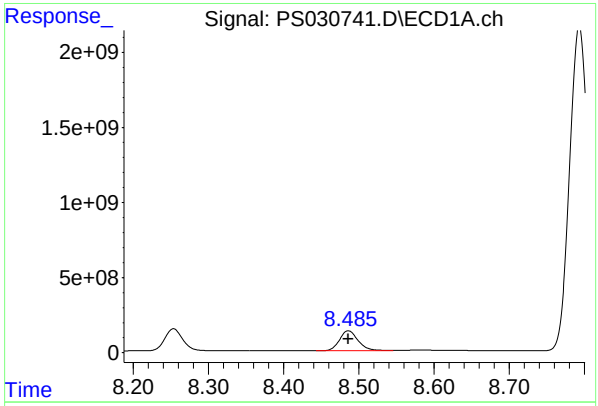
#8 DICHLORPROP

R.T.: 8.253 min
Delta R.T.: 0.000 min
Response: 2465218415
Conc: 705.00 ng/ml



#8 DICHLORPROP

R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 1056410180
Conc: 705.00 ng/ml



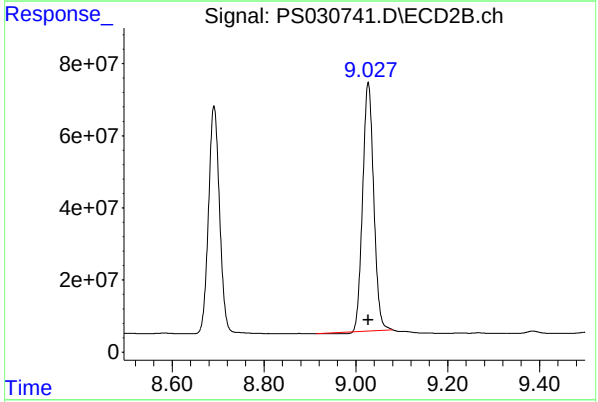
#9 2,4-D

R.T.: 8.486 min
Delta R.T.: 0.000 min
Response: 2330427769
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

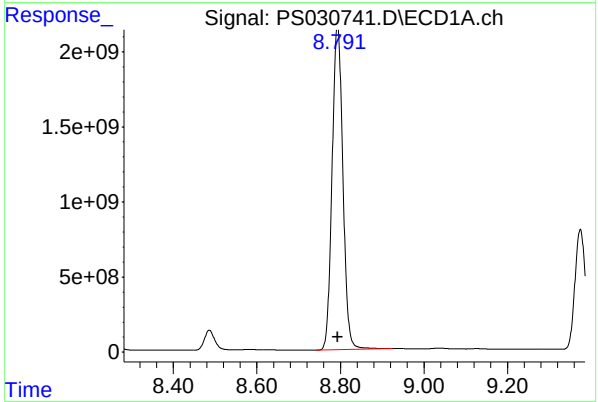
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



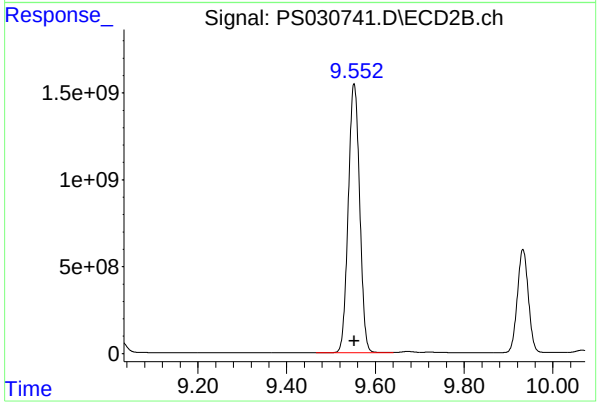
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1143914938
Conc: 705.00 ng/ml



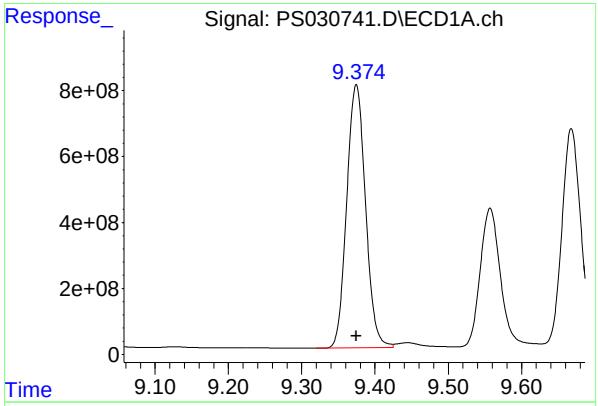
#10 Pentachlorophenol

R.T.: 8.793 min
Delta R.T.: 0.000 min
Response: 38633572840
Conc: 712.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 27600761982
Conc: 712.50 ng/ml



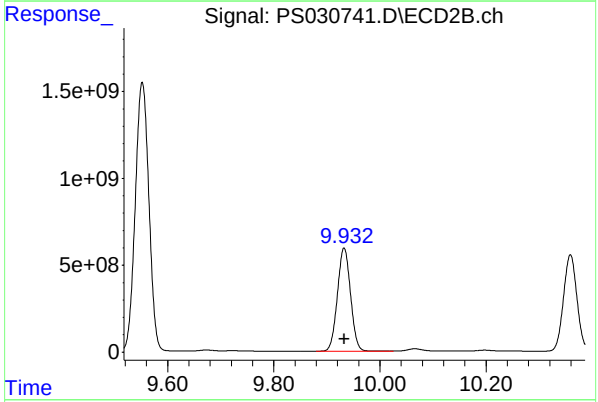
#11 2,4,5-TP (SILVEX)

R.T.: 9.375 min
Delta R.T.: 0.000 min
Response: 14234264641
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

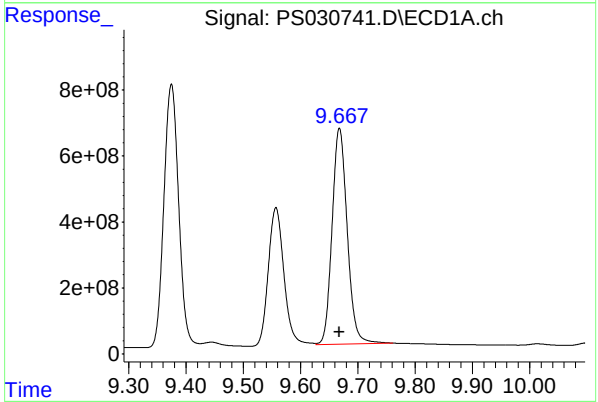
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



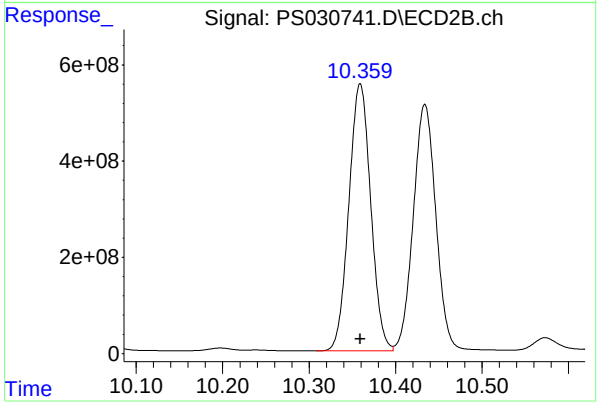
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 10200535553
Conc: 712.50 ng/ml



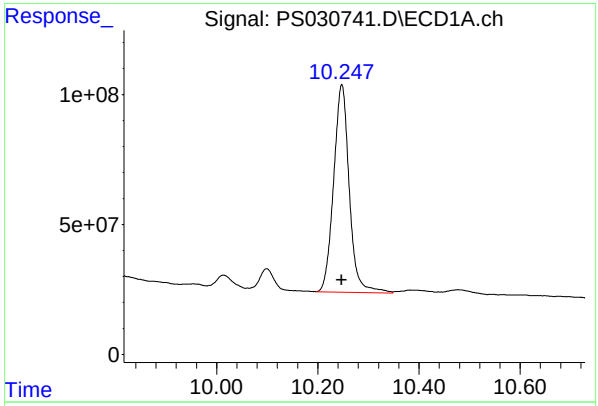
#12 2,4,5-T

R.T.: 9.668 min
Delta R.T.: 0.000 min
Response: 11991398310
Conc: 712.50 ng/ml



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 9758313181
Conc: 712.50 ng/ml



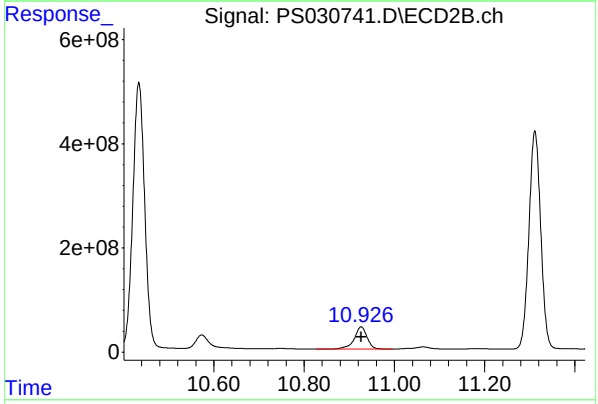
#13 2,4-DB

R.T.: 10.247 min
Delta R.T.: 0.000 min
Response: 1715281945
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

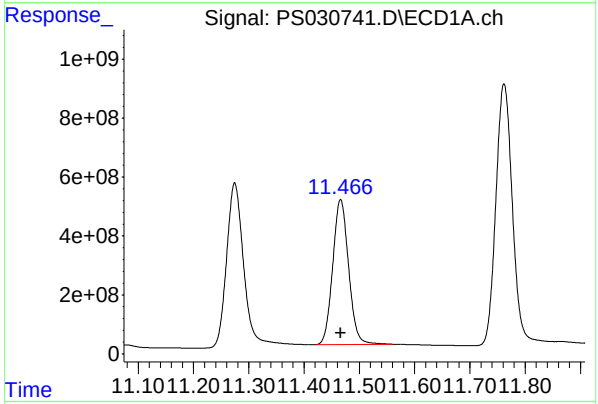
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



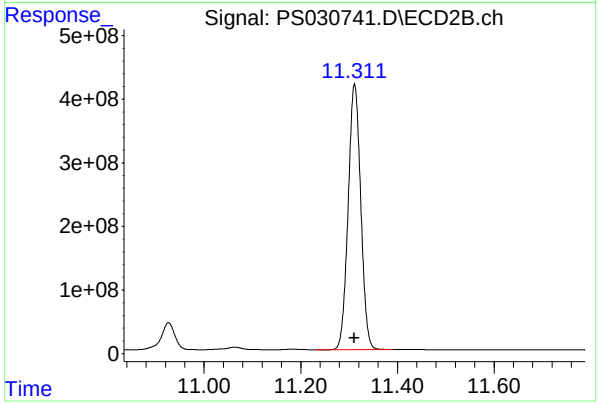
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.000 min
Response: 829063294
Conc: 712.50 ng/ml



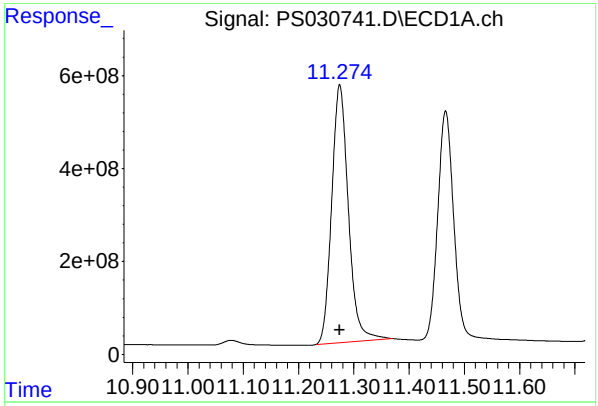
#14 DINOSEB

R.T.: 11.466 min
Delta R.T.: 0.000 min
Response: 9809399692
Conc: 705.00 ng/ml



#14 DINOSEB

R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 7563637752
Conc: 705.00 ng/ml



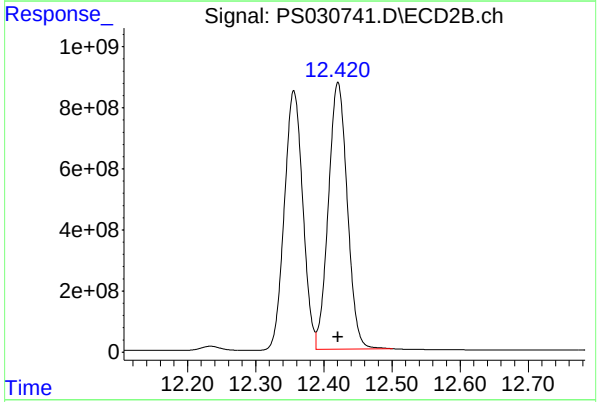
#15 Picloram

R.T.: 11.275 min
Delta R.T.: 0.000 min
Response: 11657389801
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

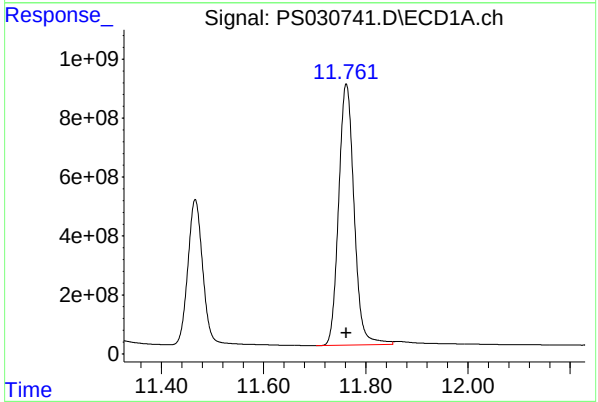
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



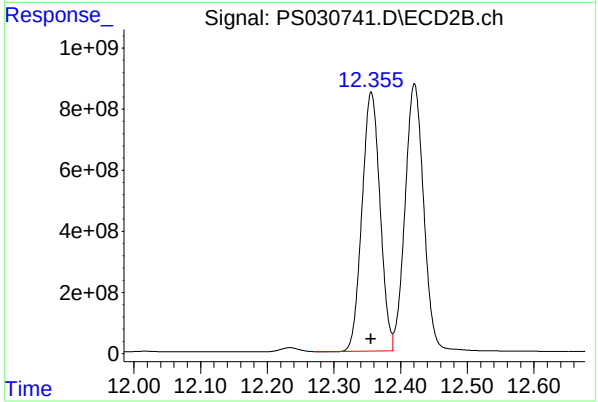
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 16873349692
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.762 min
Delta R.T.: 0.000 min
Response: 18560788988
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.356 min
Delta R.T.: 0.000 min
Response: 15913495369
Conc: 720.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030742.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 12:37
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 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	7.349	7.770	3449.9E6	993.0E6	1007.482m	978.598
	Target Compounds						
1) T	Dalapon	2.711	2.710	5150.3E6	2361.2E6	890.676	891.083
2) T	3,5-DICHL...	6.508	6.716	4617.8E6	1397.4E6	912.175	911.477
3) T	4-Nitroph...	7.149	7.302	1346.0E6	1506.7E6	887.706	886.926
5) T	DICAMBA	7.540	7.973	13729.6E6	5900.9E6	922.935	921.488
6) T	MCPP	7.723	8.073	915.4E6	207.0E6	90.761	91.801
7) T	MCPA	7.873	8.323	1089.6E6	295.3E6	89.789	91.284
8) T	DICHLORPROP	8.254	8.692	3084.8E6	1328.0E6	916.366	923.462
9) T	2,4-D	8.486	9.027	2961.7E6	1432.3E6	916.252	915.890
10) T	Pentachlo...	8.799	9.553	44933.5E6	34544.9E6	970.273	964.535
11) T	2,4,5-TP ...	9.375	9.933	17920.7E6	12790.2E6	930.890	933.380
12) T	2,4,5-T	9.669	10.359	15378.5E6	12286.7E6	928.339	932.902
13) T	2,4-DB	10.248	10.927	2257.2E6	1053.3E6	919.502	932.595
14) T	DINOSEB	11.468	11.313	12449.4E6	9605.3E6	918.844	921.811
15) T	Picloram	11.275	12.421	15192.8E6	21456.6E6	916.121	928.345
16) T	DCPA	11.763	12.357	23325.9E6	19939.4E6	946.473	946.862

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

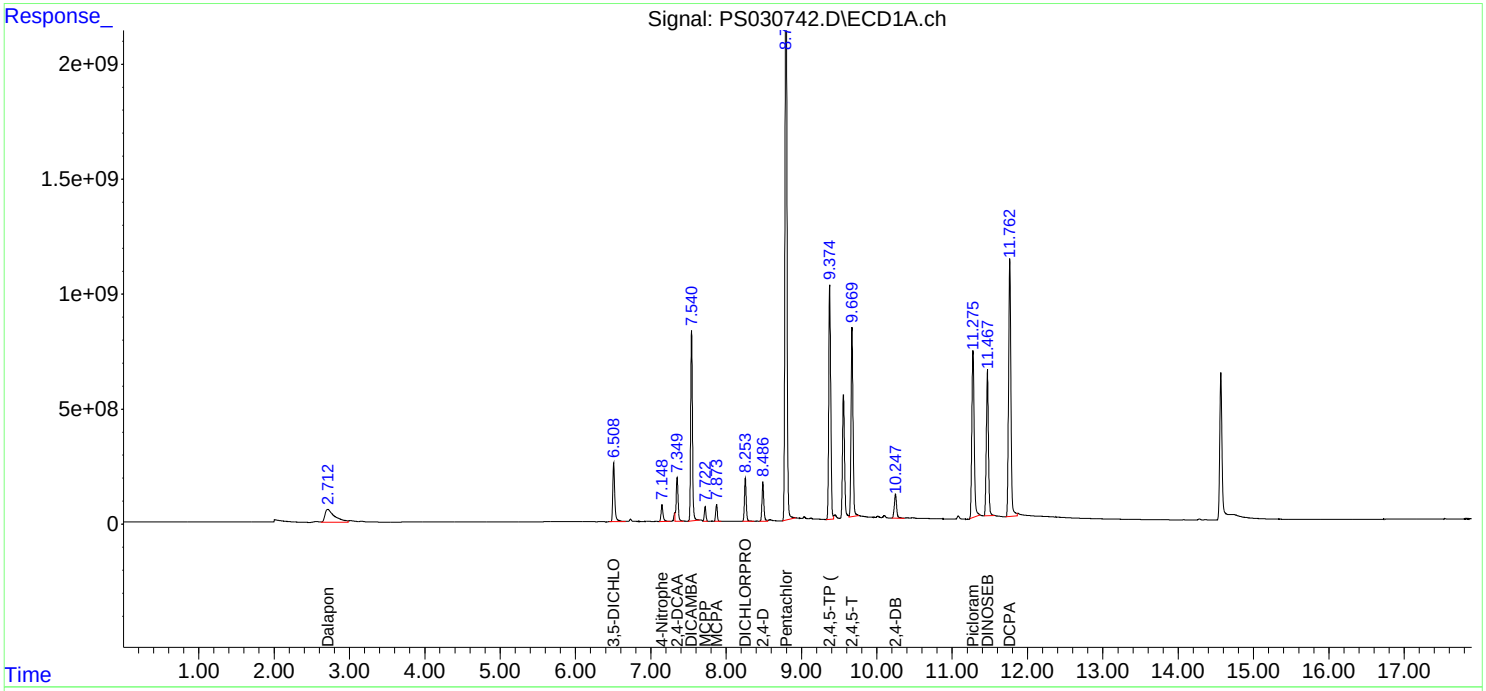
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030742.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 12:37
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

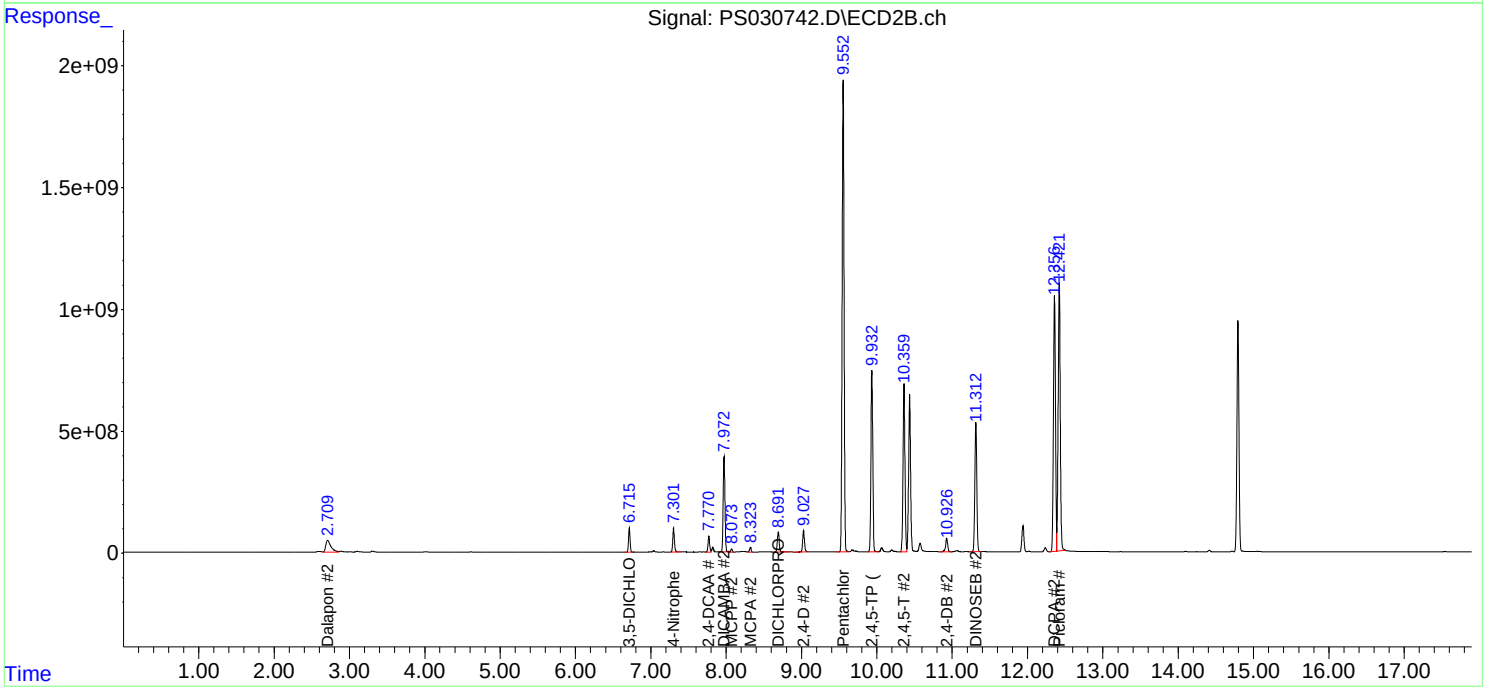
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

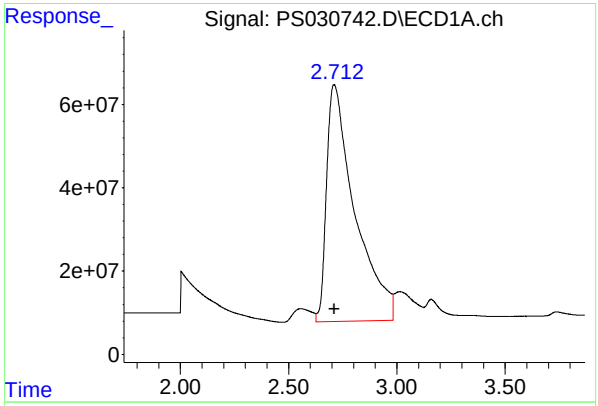
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 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







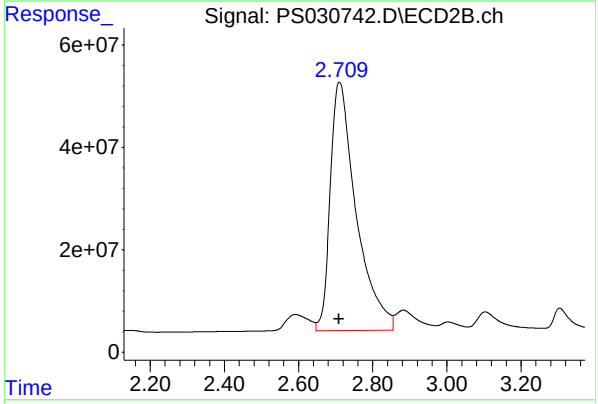
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 5150349712
Conc: 890.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

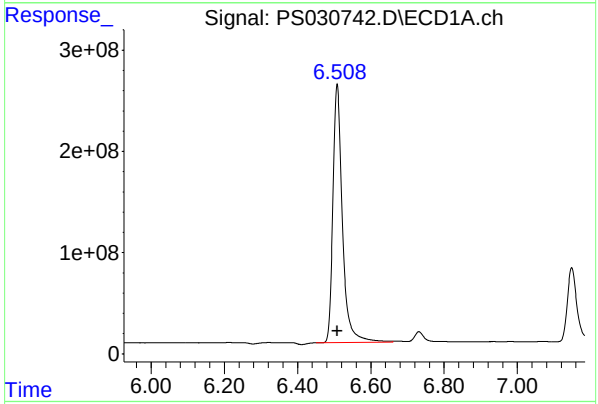
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



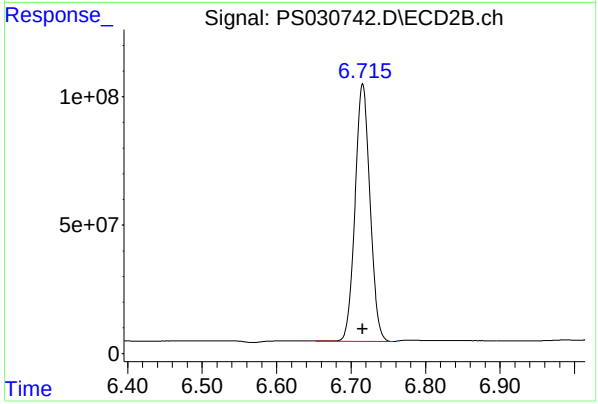
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 2361166728
Conc: 891.08 ng/ml



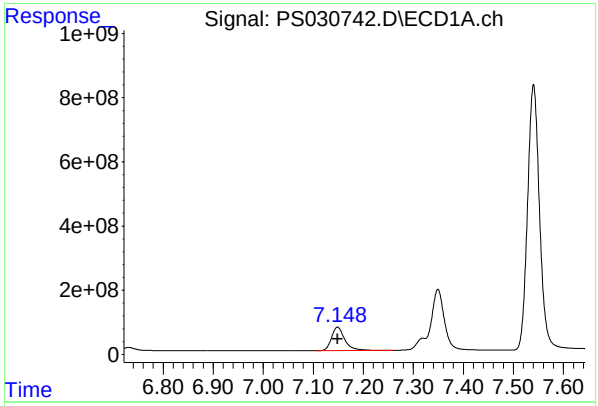
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: 0.000 min
Response: 4617816359
Conc: 912.18 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 1397419981
Conc: 911.48 ng/ml



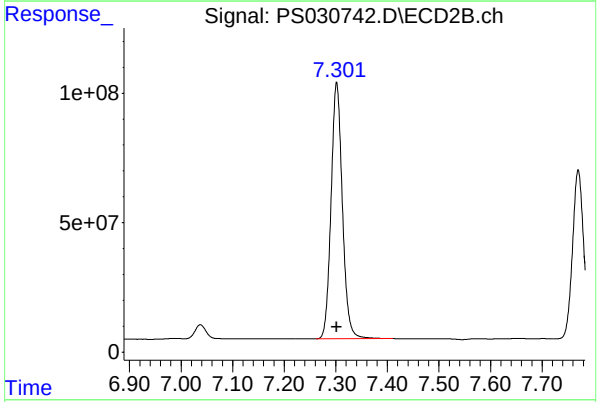
#3 4-Nitrophenol

R.T.: 7.149 min
Delta R.T.: 0.000 mi
Response: 1345981224
Conc: 887.71 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

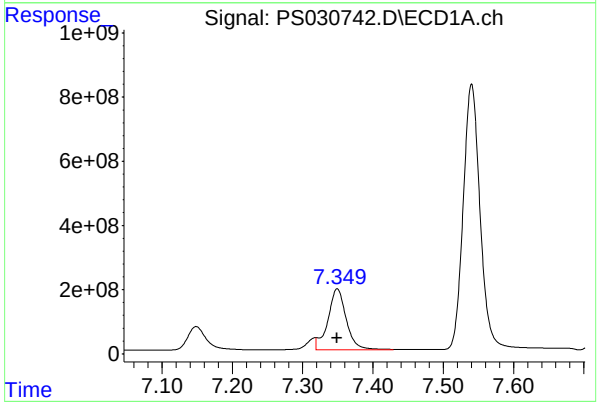
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



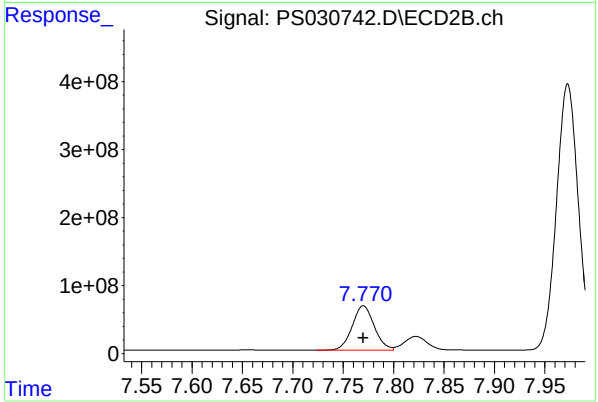
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.000 min
Response: 1506748368
Conc: 886.93 ng/ml



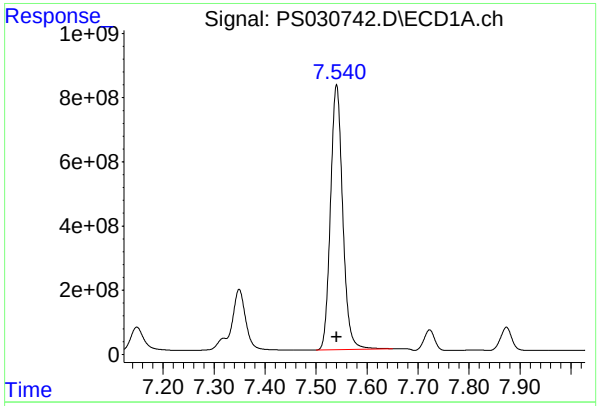
#4 2,4-DCAA

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 3449864186
Conc: 1007.48 ng/ml m



#4 2,4-DCAA

R.T.: 7.770 min
Delta R.T.: 0.000 min
Response: 993038495
Conc: 978.60 ng/ml



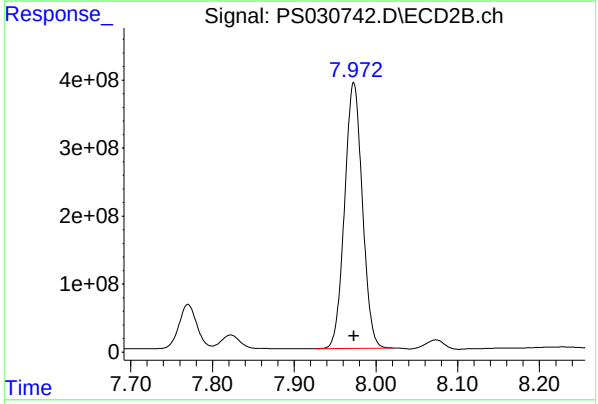
#5 DICAMBA

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 13729562665
Conc: 922.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

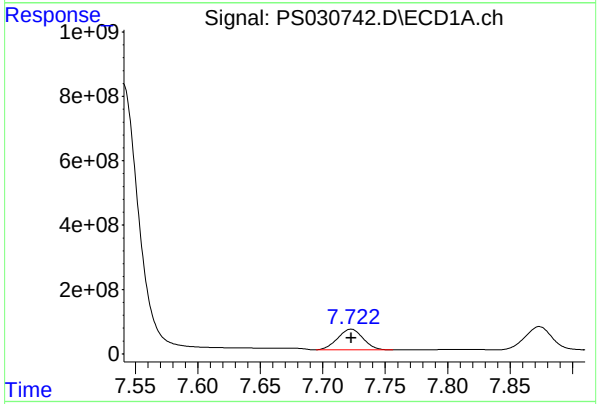
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



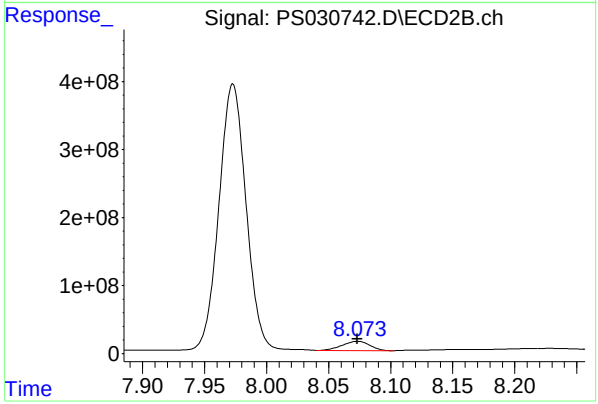
#5 DICAMBA

R.T.: 7.973 min
Delta R.T.: 0.000 min
Response: 5900942386
Conc: 921.49 ng/ml



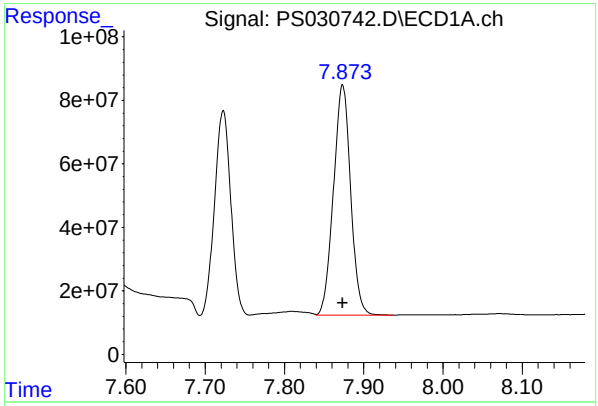
#6 MCPP

R.T.: 7.723 min
Delta R.T.: 0.000 min
Response: 915418187
Conc: 90.76 ug/ml



#6 MCPP

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 207041769
Conc: 91.80 ug/ml



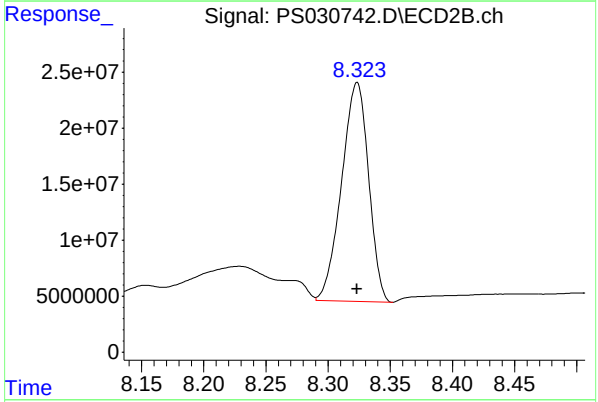
#7 MCPA

R.T.: 7.873 min
Delta R.T.: 0.000 min
Response: 1089633391
Conc: 89.79 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

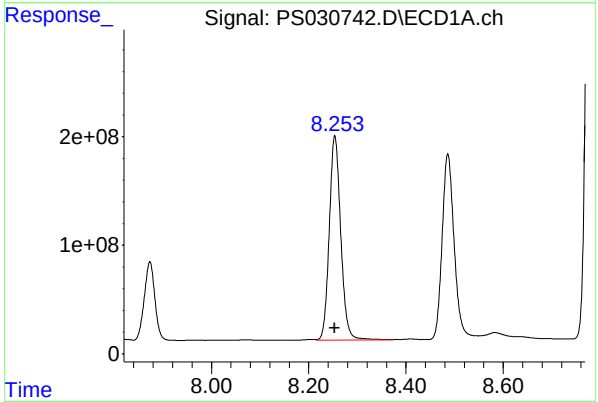
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



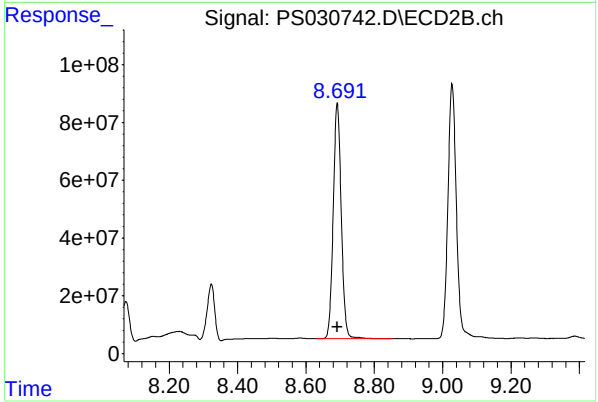
#7 MCPA

R.T.: 8.323 min
Delta R.T.: 0.000 min
Response: 295275447
Conc: 91.28 ug/ml



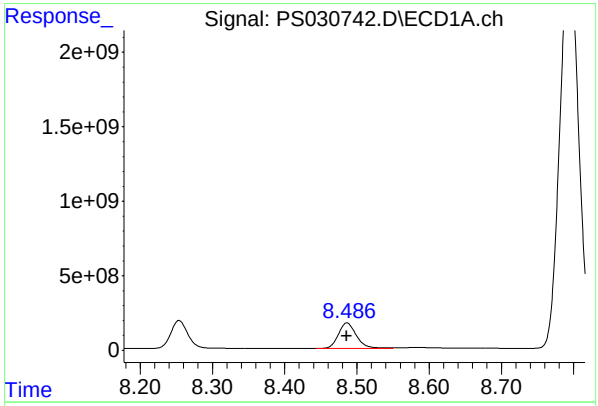
#8 DICHLORPROP

R.T.: 8.254 min
Delta R.T.: 0.000 min
Response: 3084761486
Conc: 916.37 ng/ml



#8 DICHLORPROP

R.T.: 8.692 min
Delta R.T.: 0.000 min
Response: 1328031461
Conc: 923.46 ng/ml



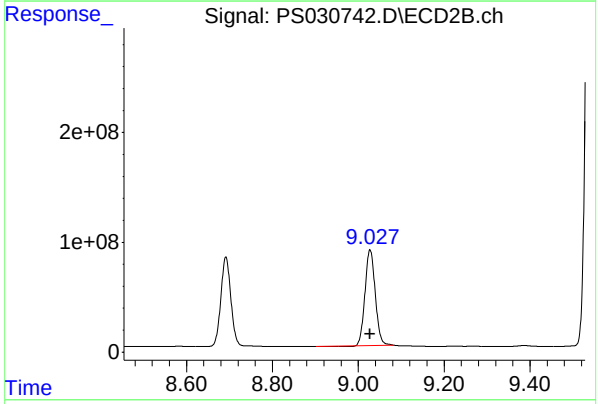
#9 2,4-D

R.T.: 8.486 min
Delta R.T.: 0.000 min
Response: 2961680588
Conc: 916.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

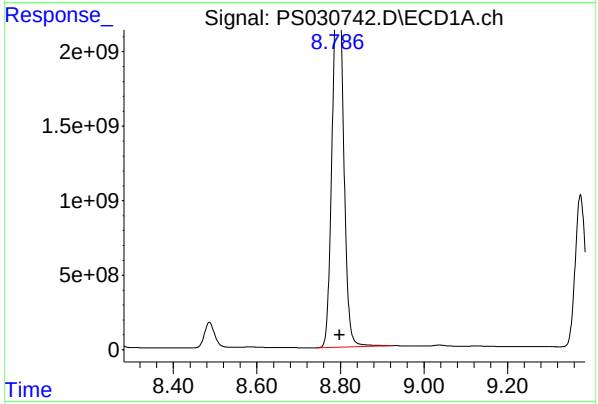
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



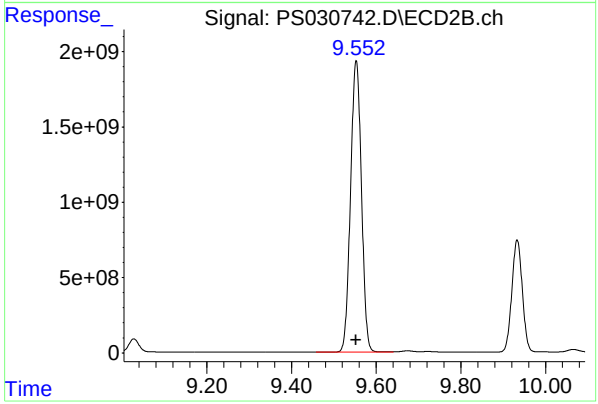
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1432273210
Conc: 915.89 ng/ml



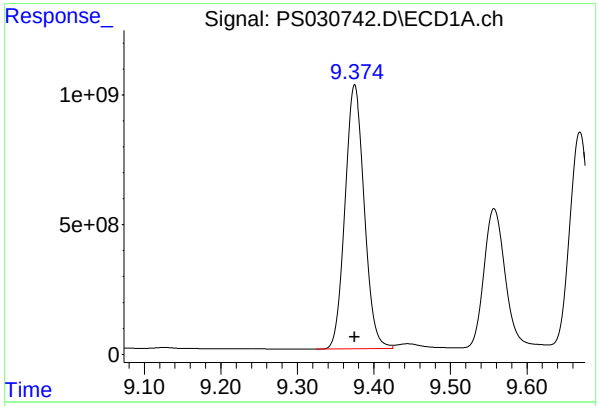
#10 Pentachlorophenol

R.T.: 8.799 min
Delta R.T.: 0.000 min
Response: 44933481418
Conc: 970.27 ng/ml



#10 Pentachlorophenol

R.T.: 9.553 min
Delta R.T.: 0.000 min
Response: 34544869508
Conc: 964.54 ng/ml



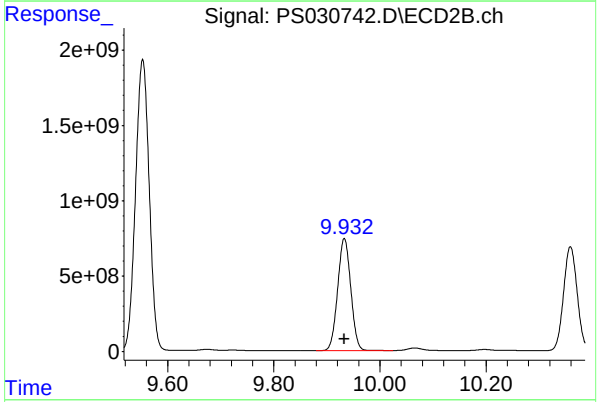
#11 2,4,5-TP (SILVEX)

R.T.: 9.375 min
Delta R.T.: 0.000 min
Response: 17920714061
Conc: 930.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

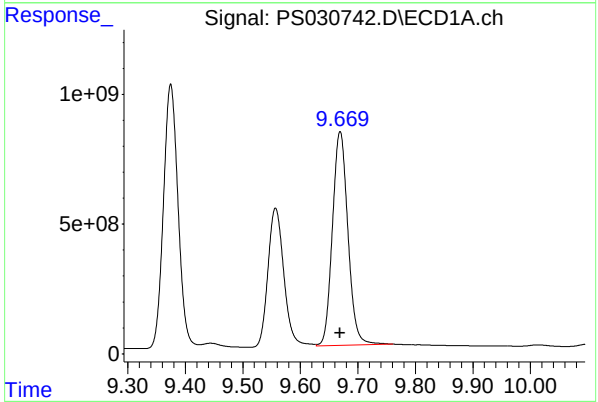
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



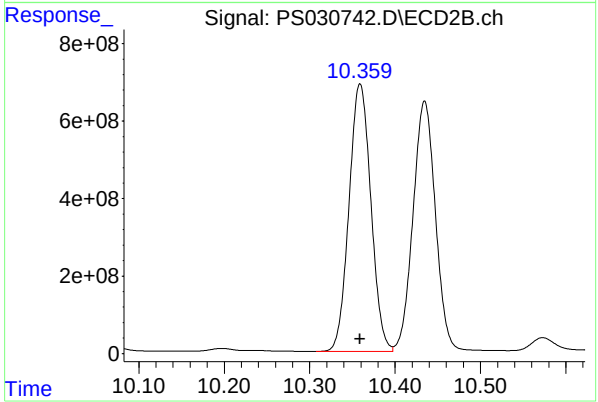
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 12790177185
Conc: 933.38 ng/ml



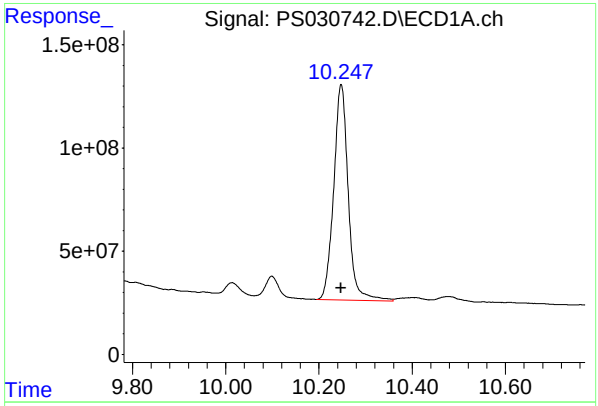
#12 2,4,5-T

R.T.: 9.669 min
Delta R.T.: 0.000 min
Response: 15378543665
Conc: 928.34 ng/ml



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 12286654526
Conc: 932.90 ng/ml



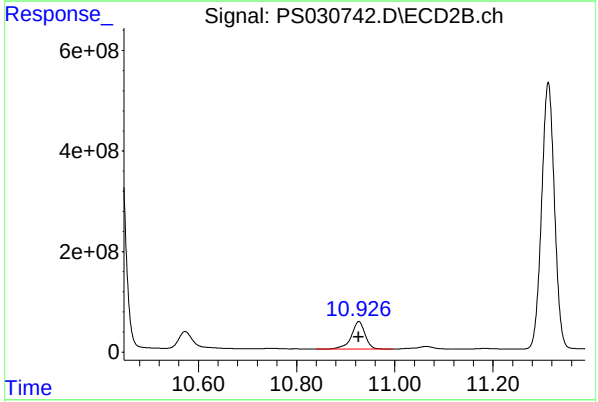
#13 2,4-DB

R.T.: 10.248 min
Delta R.T.: 0.000 min
Response: 2257237568
Conc: 919.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

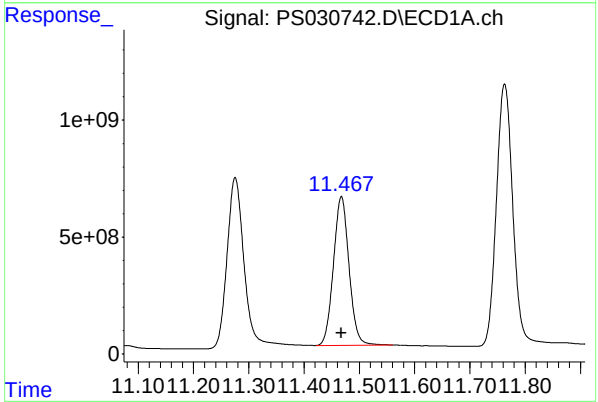
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



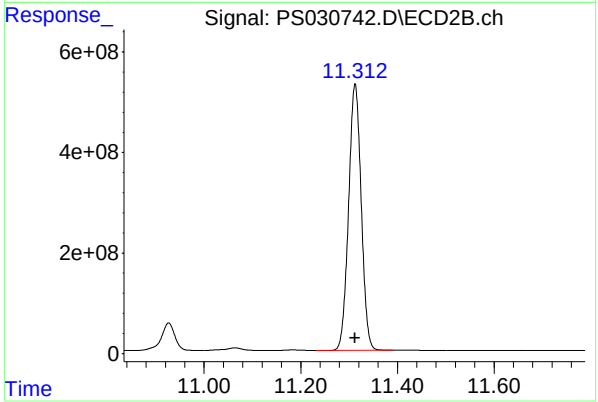
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.000 min
Response: 1053310730
Conc: 932.60 ng/ml



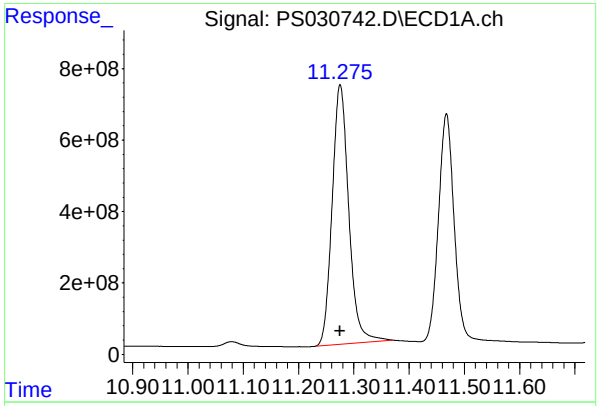
#14 DINOSEB

R.T.: 11.468 min
Delta R.T.: 0.000 min
Response: 12449372177
Conc: 918.84 ng/ml



#14 DINOSEB

R.T.: 11.313 min
Delta R.T.: 0.000 min
Response: 9605348478
Conc: 921.81 ng/ml



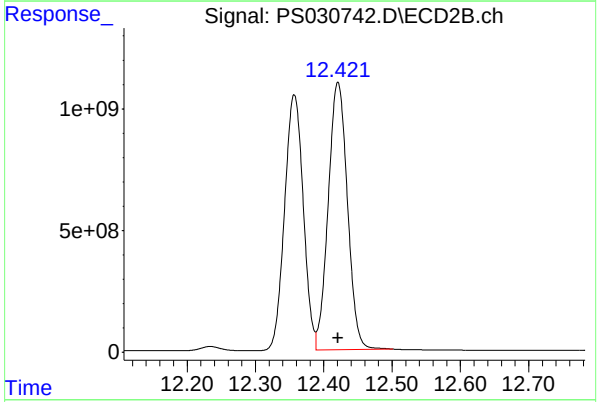
#15 Picloram

R.T.: 11.275 min
Delta R.T.: 0.000 min
Response: 15192832272
Conc: 916.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

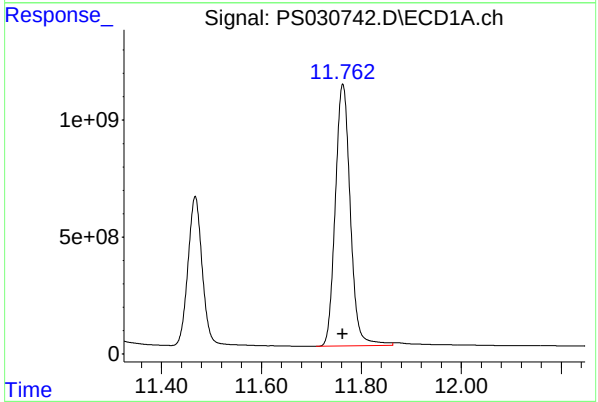
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



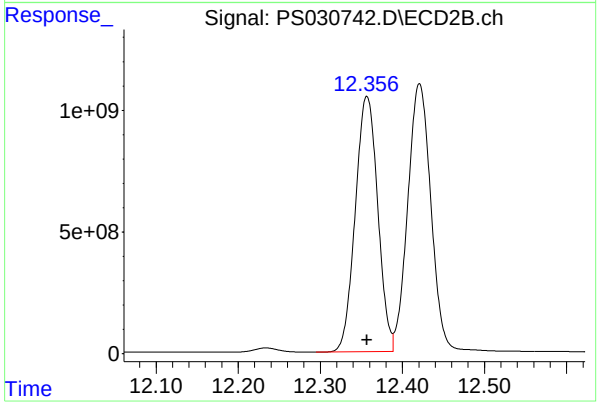
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 21456556552
Conc: 928.35 ng/ml



#16 DCPA

R.T.: 11.763 min
Delta R.T.: 0.000 min
Response: 23325903951
Conc: 946.47 ng/ml



#16 DCPA

R.T.: 12.357 min
Delta R.T.: 0.000 min
Response: 19939441650
Conc: 946.86 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 13:29
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:50:13 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	7.349	7.768	4634.2E6	1423.1E6	1255.782m	1327.583
		Target Compounds						
1)	T	Dalapon	2.708	2.707	7057.1E6	3212.8E6	1238.824	1171.806
2)	T	3,5-DICHL...	6.509	6.713	6482.8E6	2001.5E6	1205.529	1240.719
3)	T	4-Nitroph...	7.149	7.299	1960.3E6	2216.2E6	1243.237	1278.444
5)	T	DICAMBA	7.540	7.971	17370.1E6	8409.2E6	1141.638	1283.215
6)	T	MCPP	7.727	8.076	1357.6E6	277.5E6	144.610	132.298
7)	T	MCPA	7.878	8.325	1663.5E6	431.1E6	141.809	137.032
8)	T	DICHLORPROP	8.254	8.690	5064.4E6	2161.7E6	1352.041	1374.694
9)	T	2,4-D	8.487	9.026	4934.4E6	2416.0E6	1432.593	1421.668
10)	T	Pentachlo...	8.783	9.553	61297.3E6	45248.4E6	1166.760m	1186.933
11)	T	2,4,5-TP ...	9.377	9.932	26551.1E6	18758.2E6	1325.538	1300.061
12)	T	2,4,5-T	9.670	10.358	21818.2E6	17137.2E6	1326.082	1254.129
13)	T	2,4-DB	10.250	10.925	2621.2E6	1524.0E6	1142.883	1288.354
14)	T	DINOSEB	11.468	11.311	18321.9E6	14096.3E6	1320.671	1307.487
15)	T	Picloram	11.276	12.419	23276.8E6	31814.5E6	1447.914	1368.873
16)	T	DCPA	11.765	12.356	32738.8E6	27988.3E6	1278.048	1269.724

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

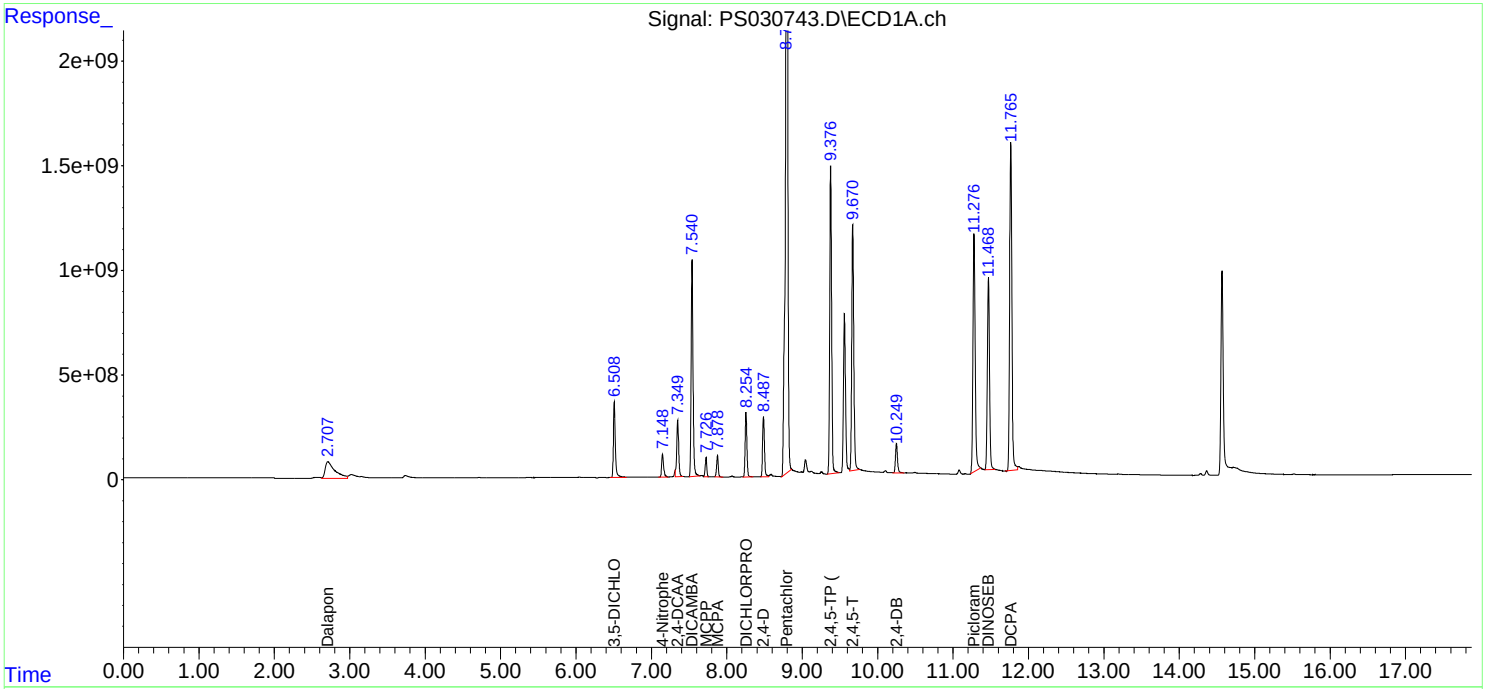
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 13:29
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

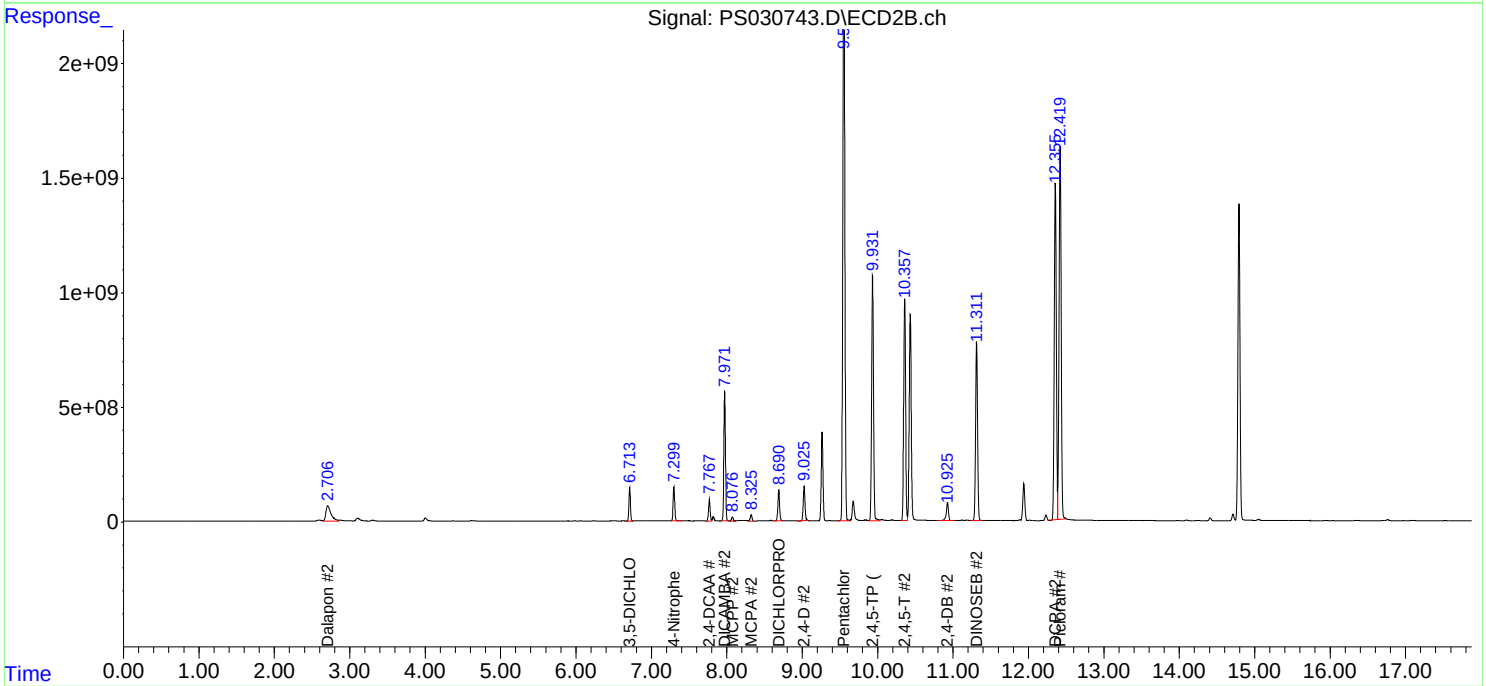
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

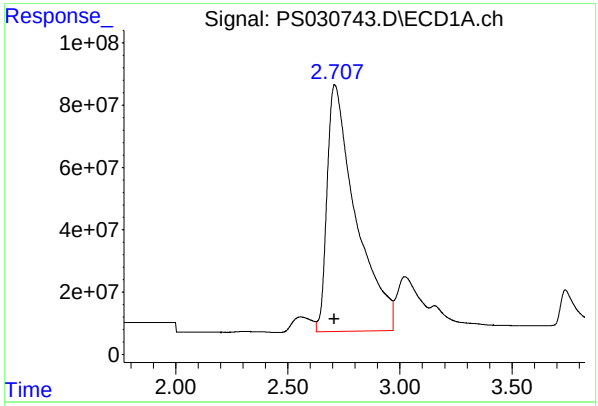
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:50:13 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







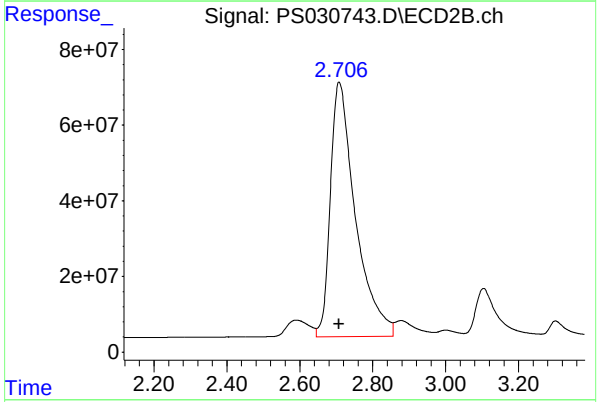
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 7057136388
Conc: 1238.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

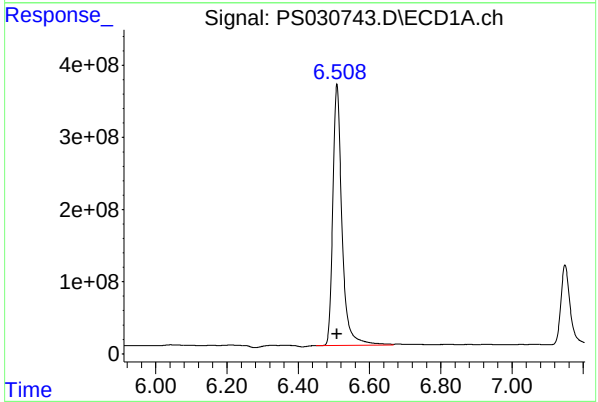
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



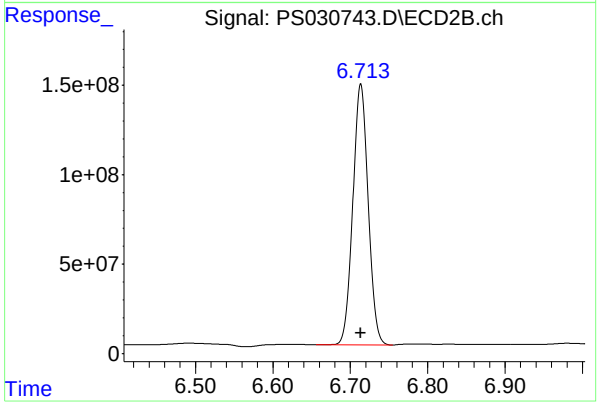
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: 0.000 min
Response: 3212790048
Conc: 1171.81 ng/ml



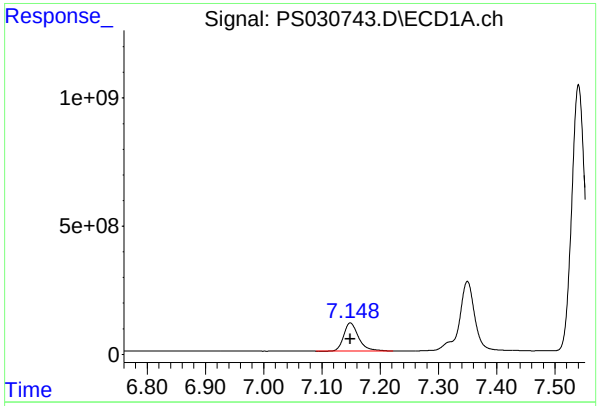
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.509 min
Delta R.T.: 0.000 min
Response: 6482795096
Conc: 1205.53 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 2001466518
Conc: 1240.72 ng/ml



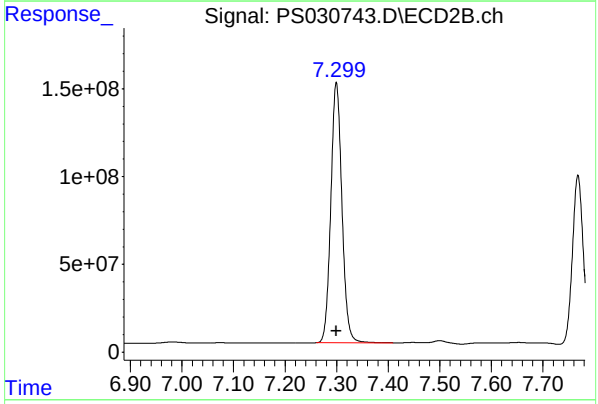
#3 4-Nitrophenol

R.T.: 7.149 min
Delta R.T.: 0.000 mi
Response: 1960296082
Conc: 1243.24 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

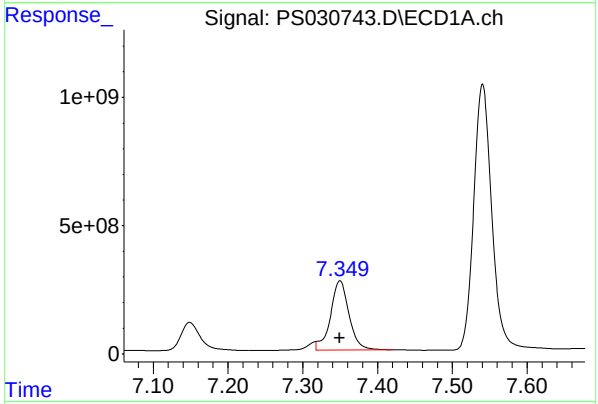
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



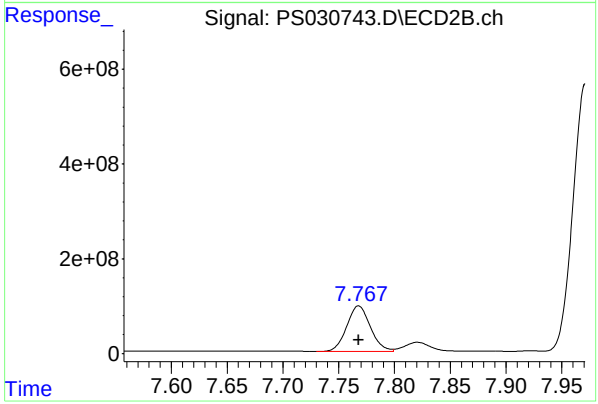
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 2216227681
Conc: 1278.44 ng/ml



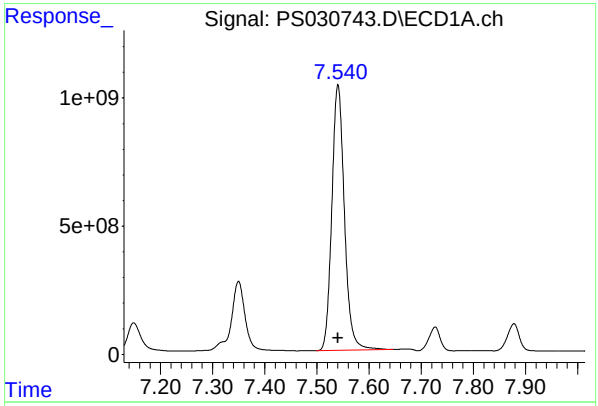
#4 2,4-DCAA

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 4634167646
Conc: 1255.78 ng/ml m



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 1423121071
Conc: 1327.58 ng/ml



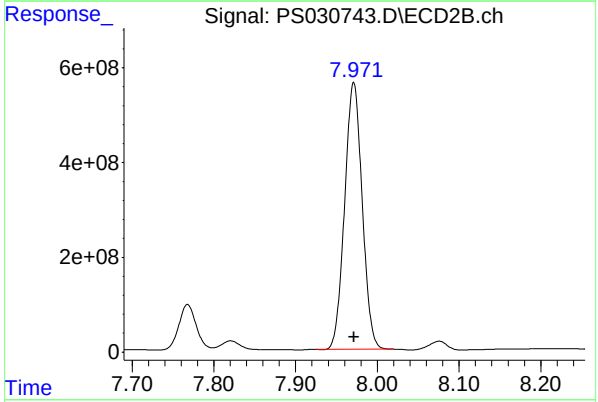
#5 DICAMBA

R.T.: 7.540 min
Delta R.T.: 0.000 mi
Response: 17370132502
Conc: 1141.64 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

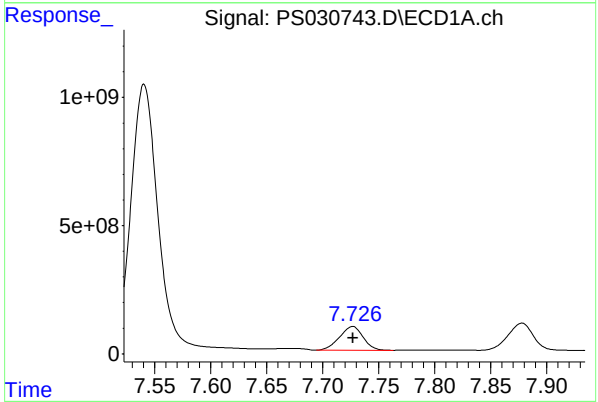
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



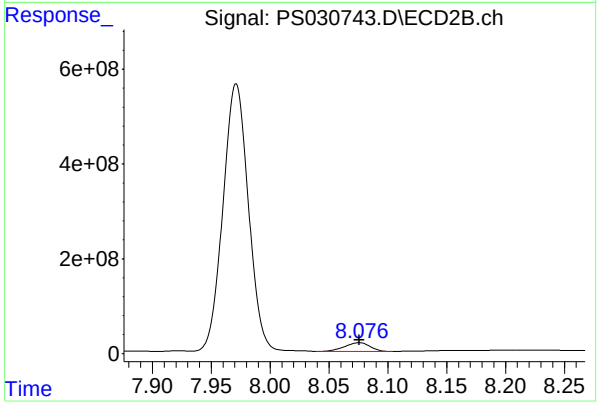
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 8409181413
Conc: 1283.21 ng/ml



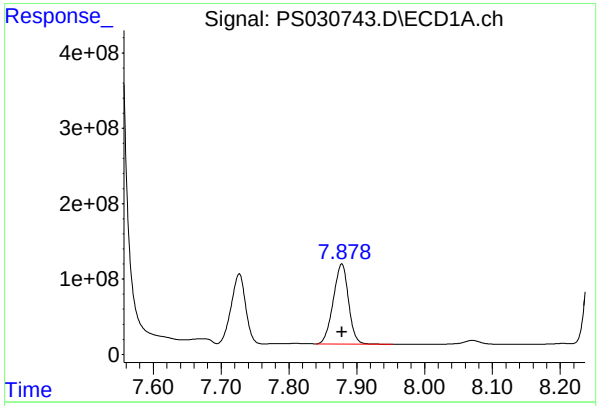
#6 MCPP

R.T.: 7.727 min
Delta R.T.: 0.000 min
Response: 1357647586
Conc: 144.61 ug/ml



#6 MCPP

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 277470300
Conc: 132.30 ug/ml



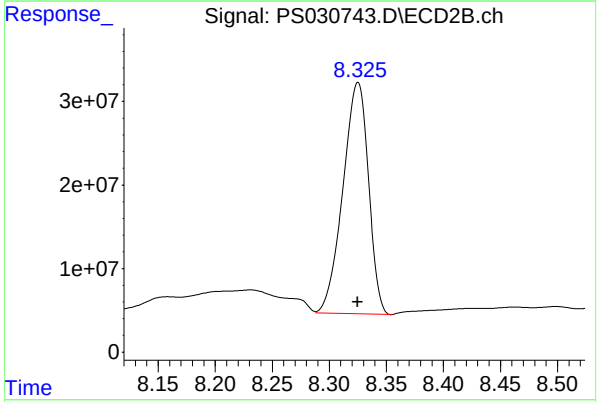
#7 MCPA

R.T.: 7.878 min
Delta R.T.: 0.000 min
Response: 1663503511
Conc: 141.81 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

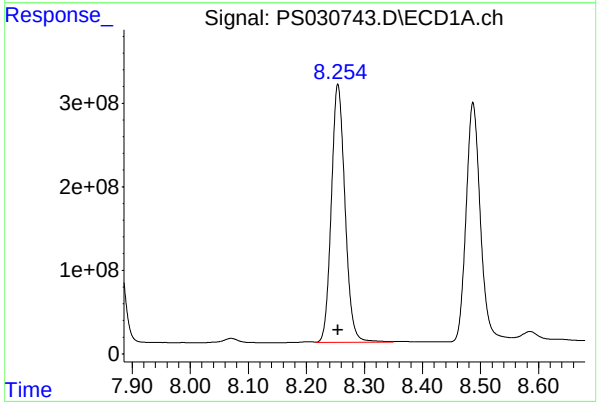
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



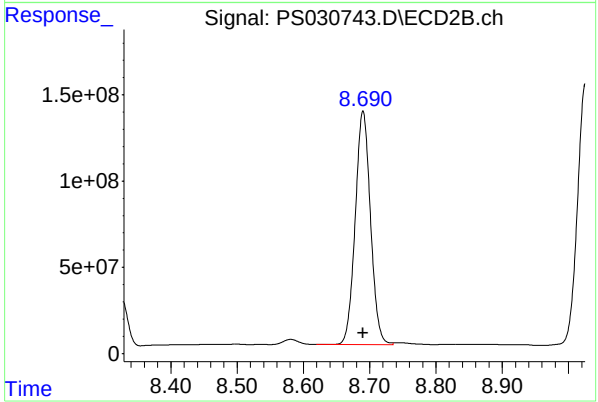
#7 MCPA

R.T.: 8.325 min
Delta R.T.: 0.000 min
Response: 431066075
Conc: 137.03 ug/ml



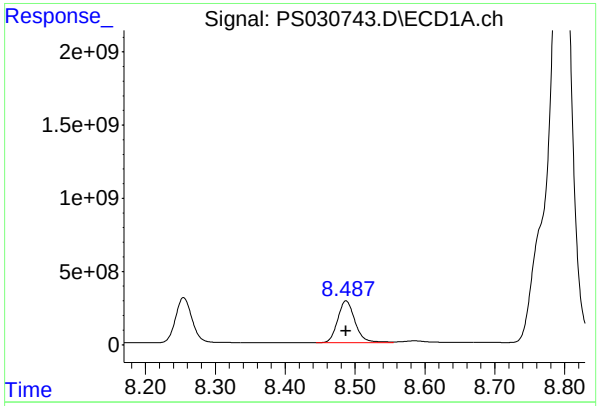
#8 DICHLORPROP

R.T.: 8.254 min
Delta R.T.: 0.000 min
Response: 5064429025
Conc: 1352.04 ng/ml



#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 2161699815
Conc: 1374.69 ng/ml



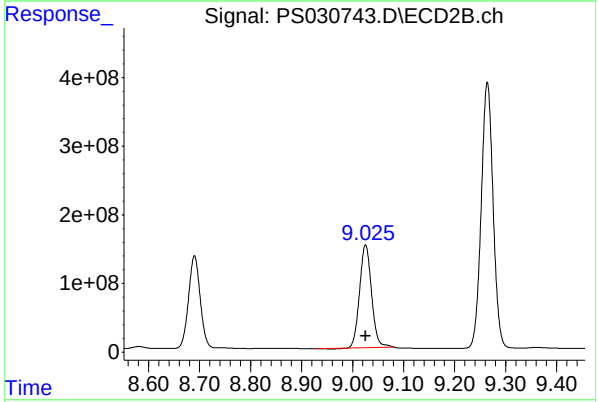
#9 2,4-D

R.T.: 8.487 min
Delta R.T.: 0.000 min
Response: 4934439813
Conc: 1432.59 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

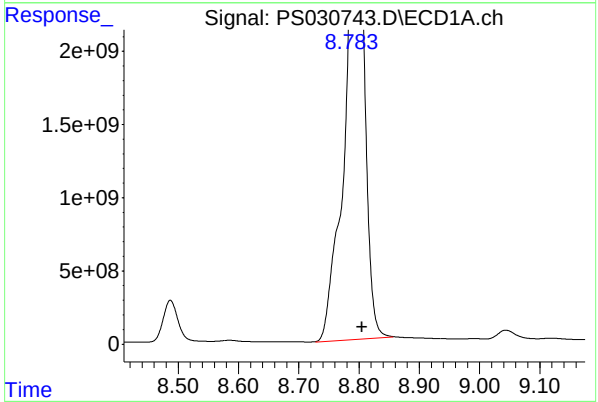
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



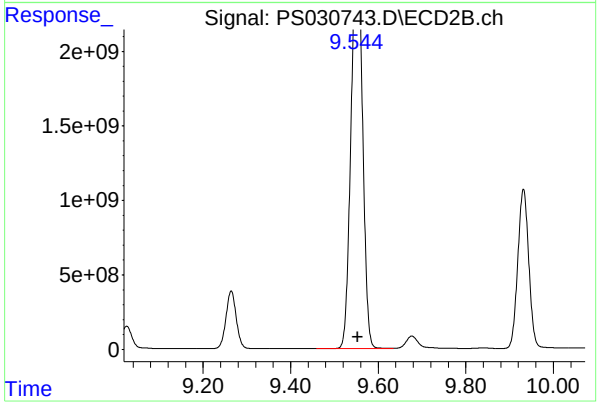
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 2415990251
Conc: 1421.67 ng/ml



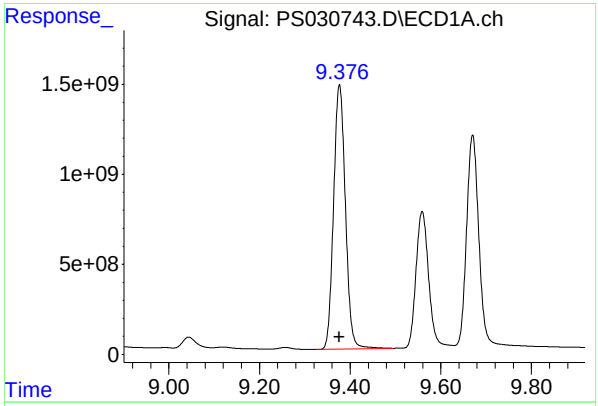
#10 Pentachlorophenol

R.T.: 8.783 min
Delta R.T.: -0.022 min
Response: 61297322180
Conc: 1166.76 ng/ml m



#10 Pentachlorophenol

R.T.: 9.553 min
Delta R.T.: 0.000 min
Response: 45248357804
Conc: 1186.93 ng/ml



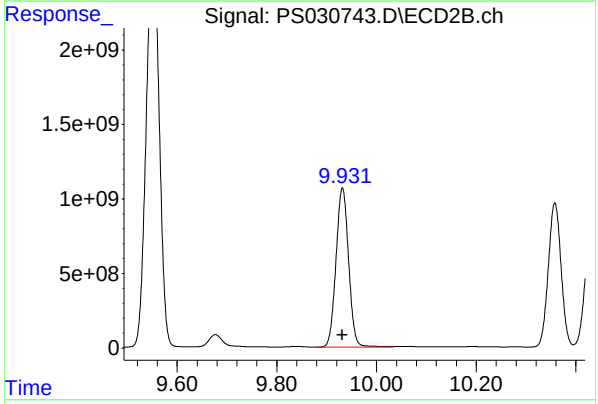
#11 2,4,5-TP (SILVEX)

R.T.: 9.377 min
Delta R.T.: 0.000 min
Response: 26551071592
Conc: 1325.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

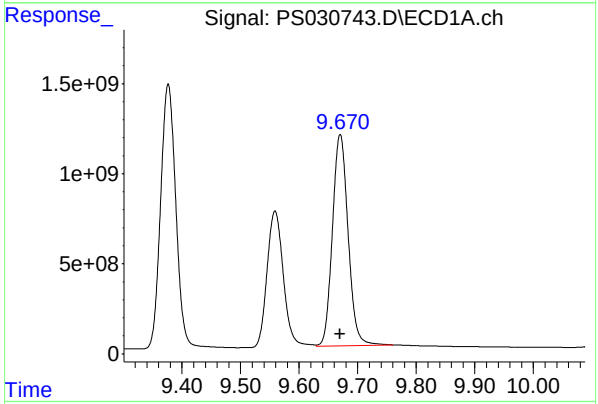
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



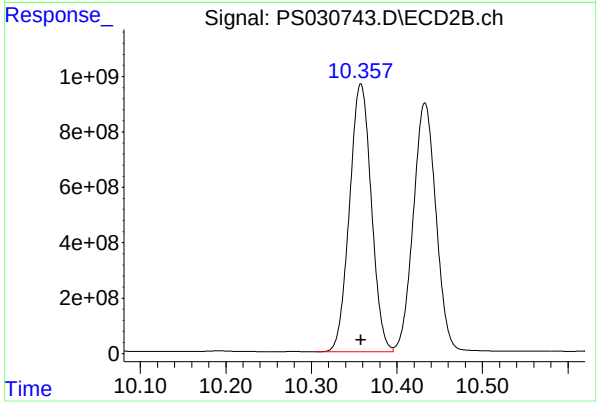
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 18758195654
Conc: 1300.06 ng/ml



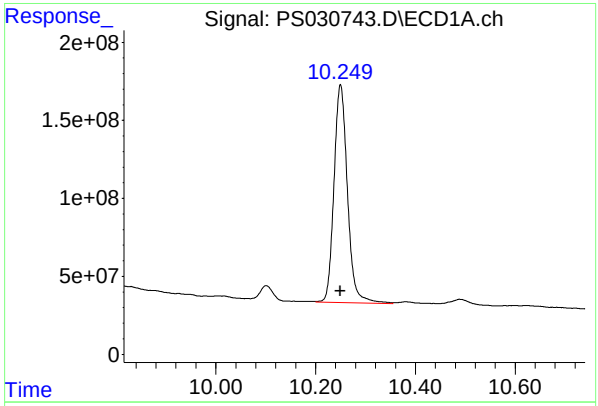
#12 2,4,5-T

R.T.: 9.670 min
Delta R.T.: 0.000 min
Response: 21818222628
Conc: 1326.08 ng/ml



#12 2,4,5-T

R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 17137207861
Conc: 1254.13 ng/ml



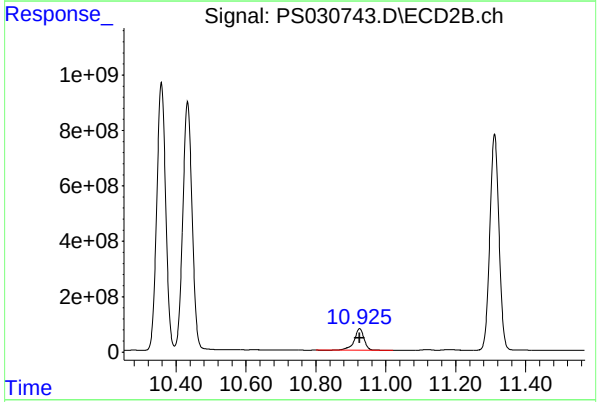
#13 2,4-DB

R.T.: 10.250 min
Delta R.T.: 0.000 min
Response: 2621204458
Conc: 1142.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

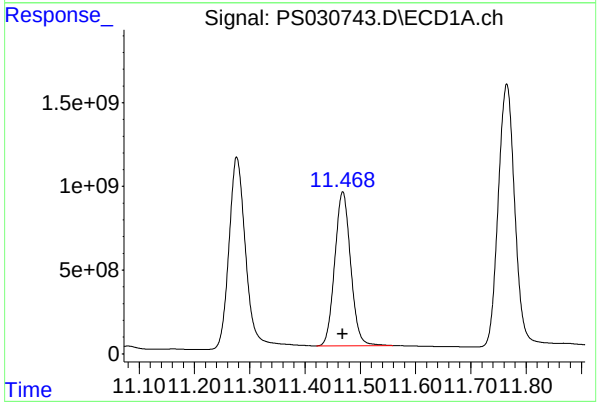
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



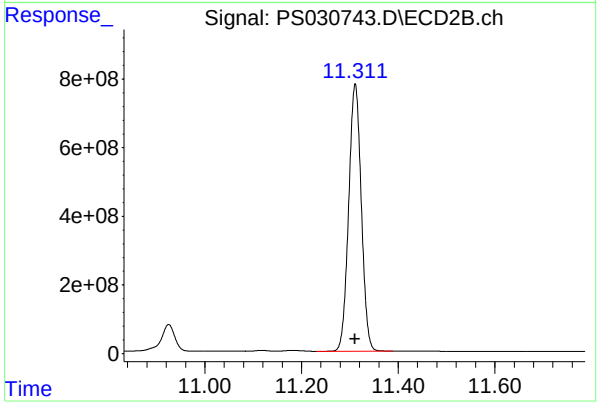
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 1523998169
Conc: 1288.35 ng/ml



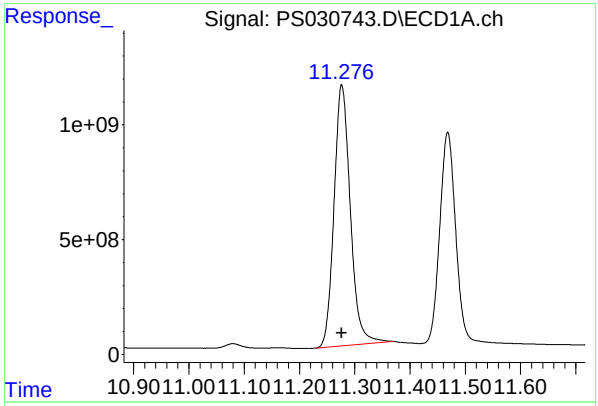
#14 DINOSEB

R.T.: 11.468 min
Delta R.T.: 0.000 min
Response: 18321917167
Conc: 1320.67 ng/ml



#14 DINOSEB

R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 14096341982
Conc: 1307.49 ng/ml



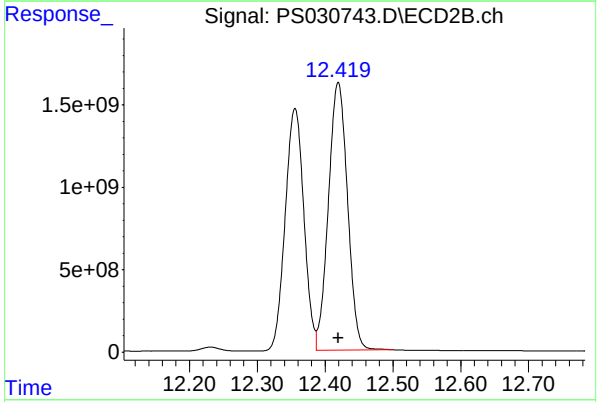
#15 Picloram

R.T.: 11.276 min
Delta R.T.: 0.000 min
Response: 23276825509
Conc: 1447.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

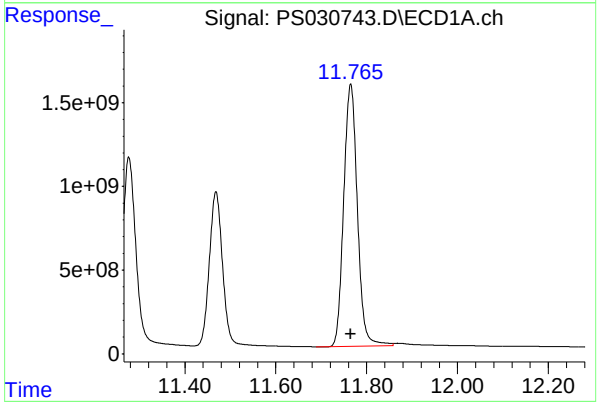
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



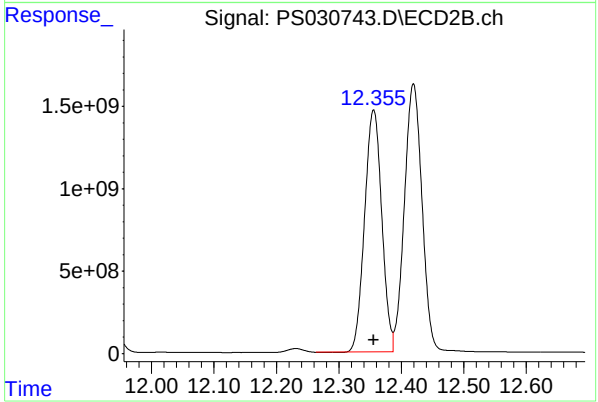
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 31814547037
Conc: 1368.87 ng/ml



#16 DCPA

R.T.: 11.765 min
Delta R.T.: 0.000 min
Response: 32738797312
Conc: 1278.05 ng/ml



#16 DCPA

R.T.: 12.356 min
Delta R.T.: 0.000 min
Response: 27988260472
Conc: 1269.72 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 14:18
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS061825

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 05:14:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.348	7.770	2655.3E6	781.4E6	722.658m	728.902
		Target Compounds						
1)	T	Dalapon	2.710	2.710	4056.7E6	1841.2E6	680.013	671.536
2)	T	3,5-DICHL...	6.508	6.715	3653.0E6	1096.7E6	679.304	679.863
3)	T	4-Nitroph...	7.149	7.302	1067.2E6	1168.5E6	676.796	674.057
5)	T	DICAMBA	7.539	7.972	10807.3E6	4588.7E6	710.304	700.216
6)	T	MCPP	7.721	8.072	688.5E6	156.4E6	73.332	74.580
7)	T	MCPA	7.871	8.321	828.7E6	223.9E6	70.648	71.187
8)	T	DICHLORPROP	8.253	8.691	2460.1E6	1042.7E6	656.766	663.094
9)	T	2,4-D	8.486	9.027	2352.8E6	1124.1E6	683.086	661.445
10)	T	Pentachlo...	8.794	9.552	38388.3E6	27302.7E6	725.329	716.192
11)	T	2,4,5-TP ...	9.375	9.934	14291.4E6	10089.0E6	713.485	699.233
12)	T	2,4,5-T	9.669	10.359	12186.1E6	9656.1E6	740.654	706.651
13)	T	2,4-DB	10.248	10.927	1788.9E6	824.5E6	779.995	697.026
14)	T	DINOSEB	11.467	11.312	9884.9E6	7472.6E6	712.518	693.112
15)	T	Picloram	11.276	12.421	11908.4E6	16569.9E6	740.750	712.948
16)	T	DCPA	11.763	12.357	18641.3E6	15691.5E6	727.713	711.865

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

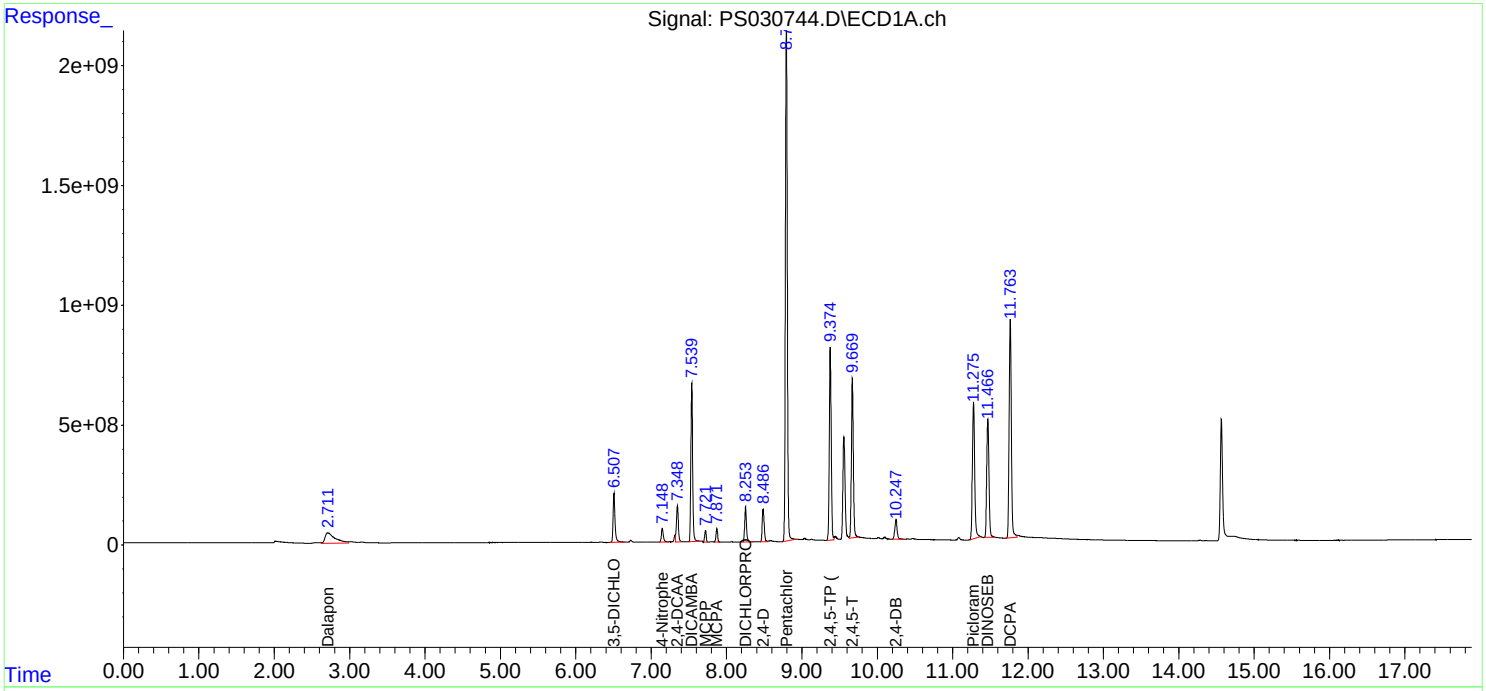
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 14:18
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

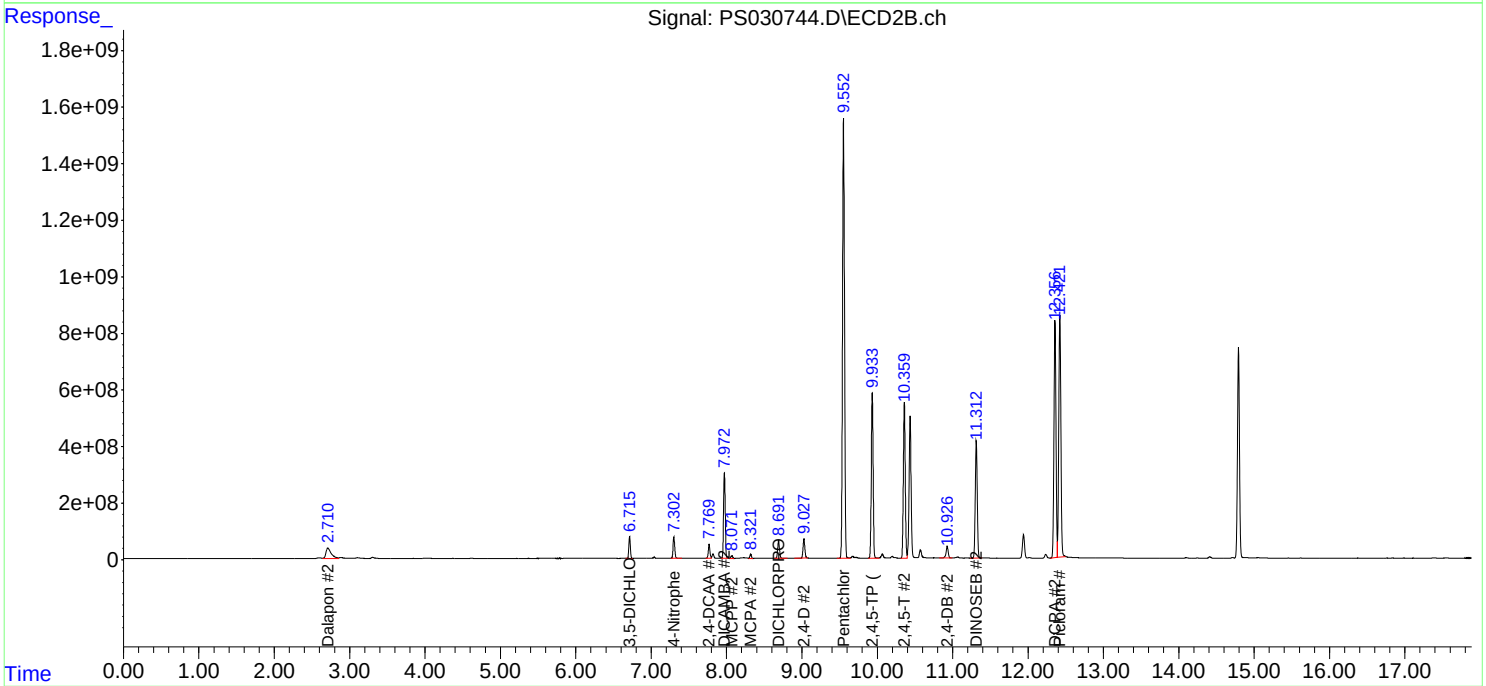
Instrument :
ECD_S
ClientSampleId :
ICVPS061825

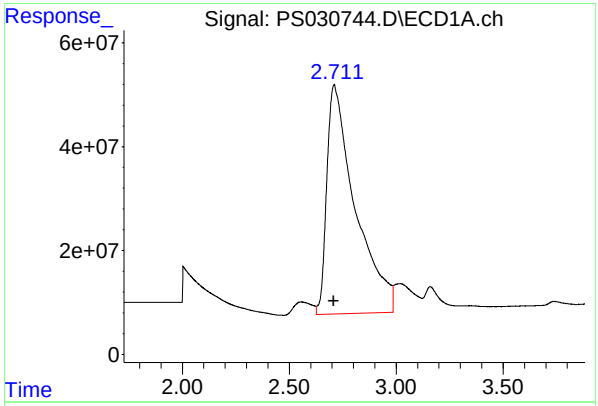
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 05:14:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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







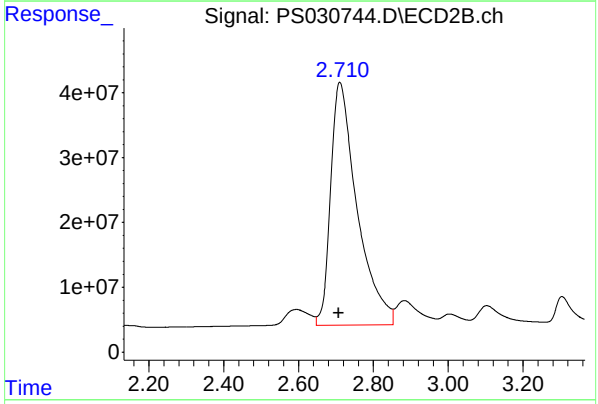
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.002 min
Response: 4056705796
Conc: 680.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825

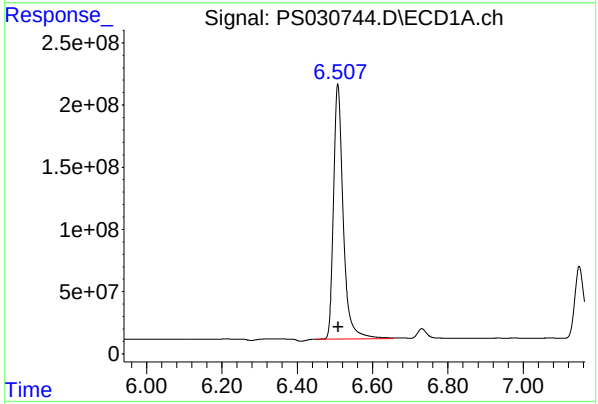
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



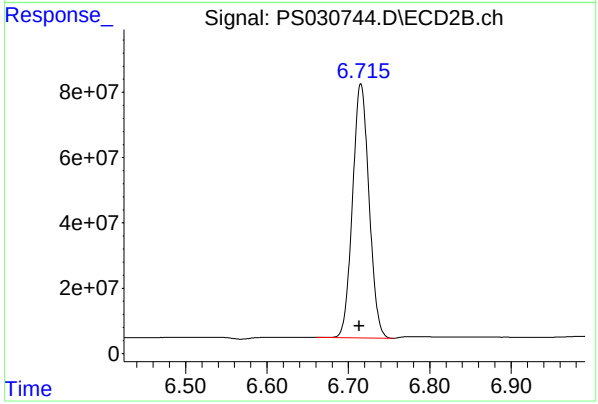
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.003 min
Response: 1841179062
Conc: 671.54 ng/ml



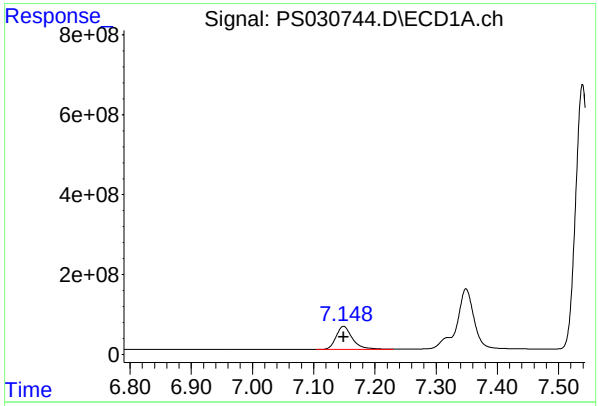
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: -0.001 min
Response: 3652993931
Conc: 679.30 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.002 min
Response: 1096720252
Conc: 679.86 ng/ml



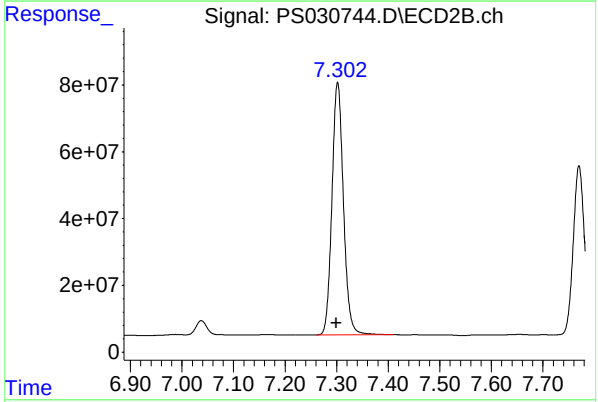
#3 4-Nitrophenol

R.T.: 7.149 min
Delta R.T.: 0.000 mi
Response: 1067150163
Conc: 676.80 ng/m

Instrument :
ECD_S
ClientSampleId :
ICVPS061825

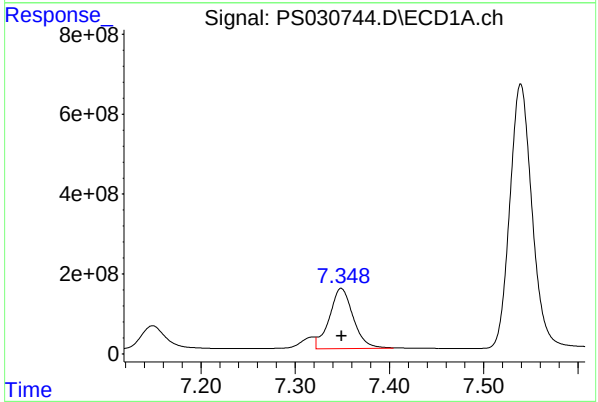
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



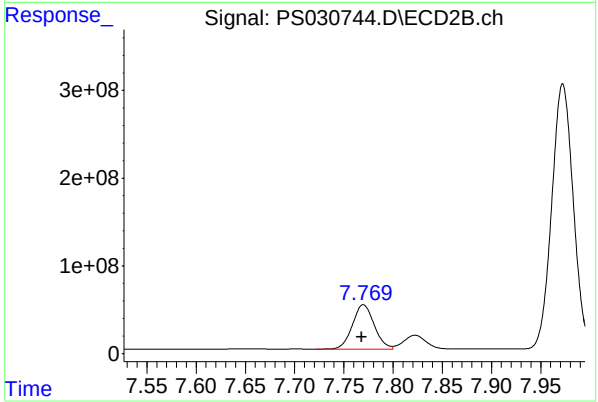
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.003 min
Response: 1168501806
Conc: 674.06 ng/ml



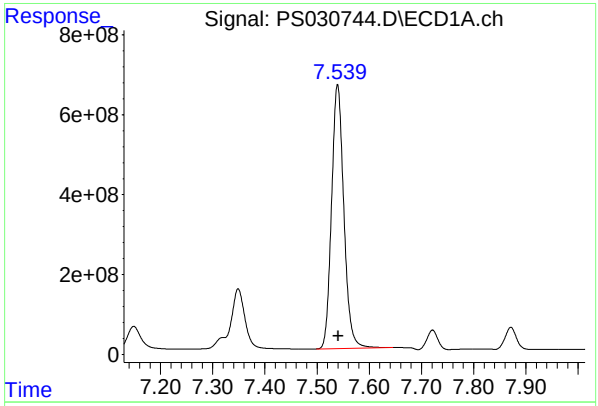
#4 2,4-DCAA

R.T.: 7.348 min
Delta R.T.: -0.001 min
Response: 2655329817
Conc: 722.66 ng/ml m



#4 2,4-DCAA

R.T.: 7.770 min
Delta R.T.: 0.002 min
Response: 781356298
Conc: 728.90 ng/ml



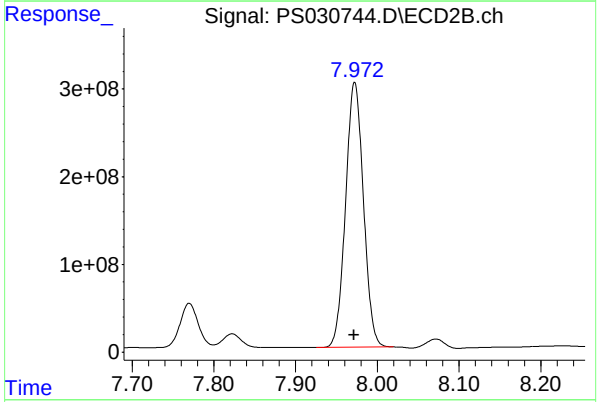
#5 DICAMBA

R.T.: 7.539 min
Delta R.T.: -0.001 min
Response: 10807342151
Conc: 710.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825

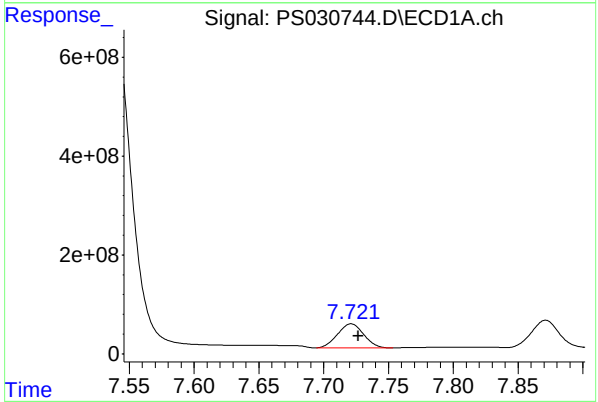
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



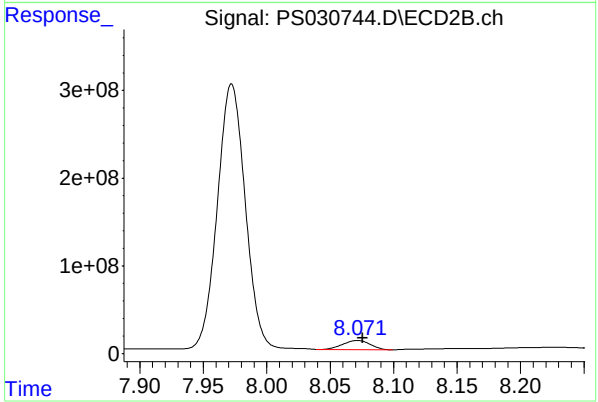
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.001 min
Response: 4588662787
Conc: 700.22 ng/ml



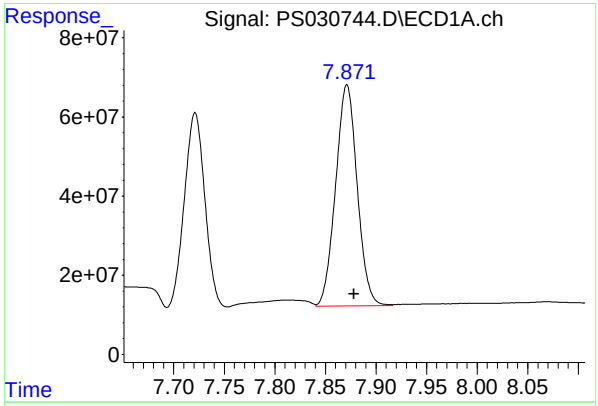
#6 MCPP

R.T.: 7.721 min
Delta R.T.: -0.006 min
Response: 688462555
Conc: 73.33 ug/ml



#6 MCPP

R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 156416874
Conc: 74.58 ug/ml



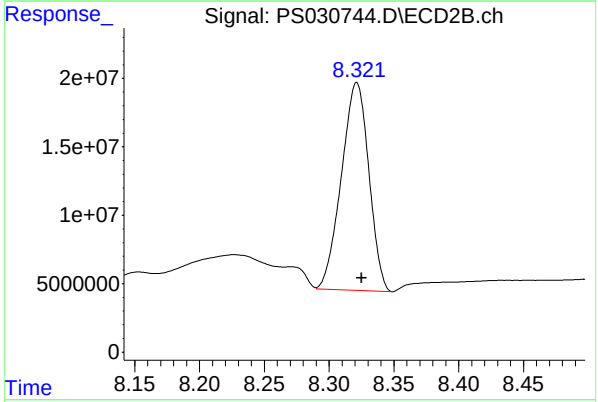
#7 MCPA

R.T.: 7.871 min
Delta R.T.: -0.007 min
Response: 828741336
Conc: 70.65 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825

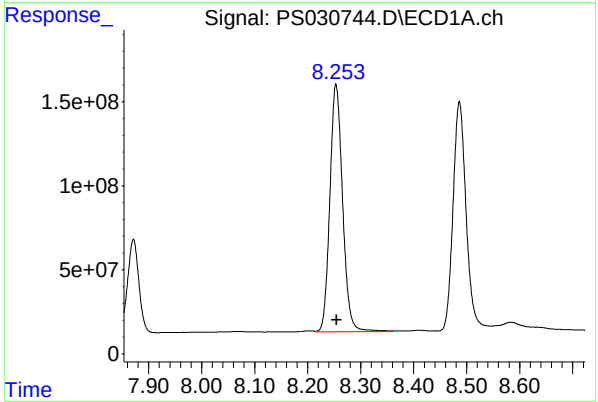
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



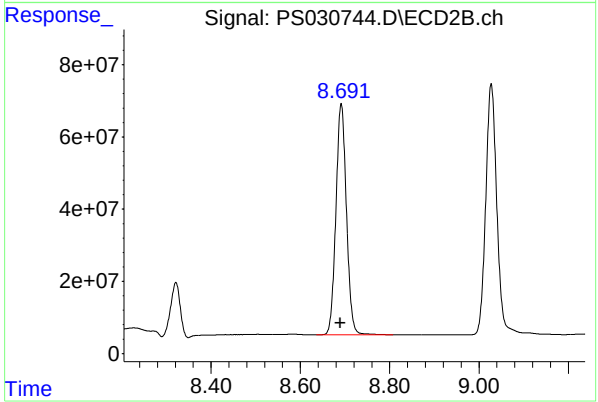
#7 MCPA

R.T.: 8.321 min
Delta R.T.: -0.004 min
Response: 223936789
Conc: 71.19 ug/ml



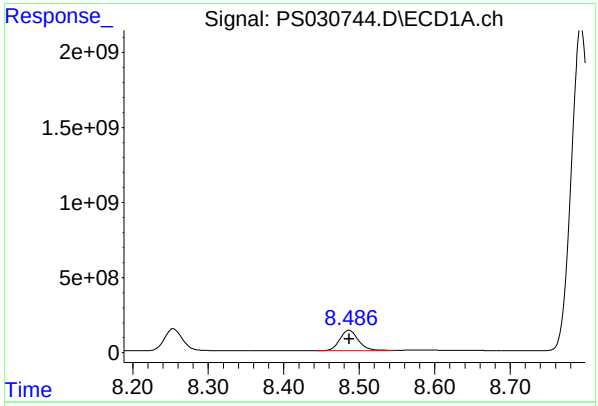
#8 DICHLORPROP

R.T.: 8.253 min
Delta R.T.: 0.000 min
Response: 2460091621
Conc: 656.77 ng/ml



#8 DICHLORPROP

R.T.: 8.691 min
Delta R.T.: 0.001 min
Response: 1042712551
Conc: 663.09 ng/ml



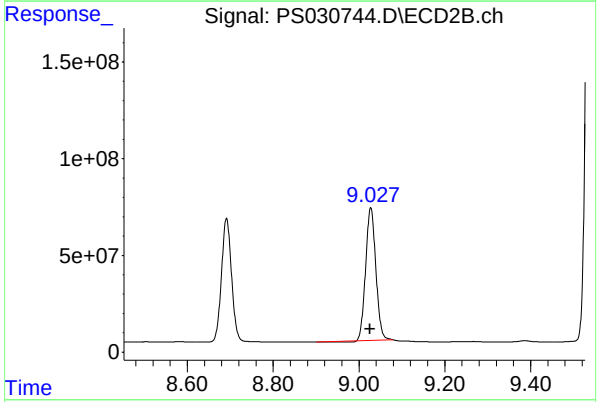
#9 2,4-D

R.T.: 8.486 min
Delta R.T.: 0.000 min
Response: 2352830084
Conc: 683.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825

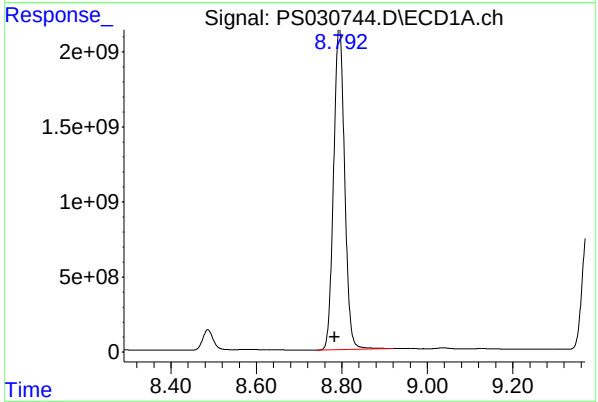
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



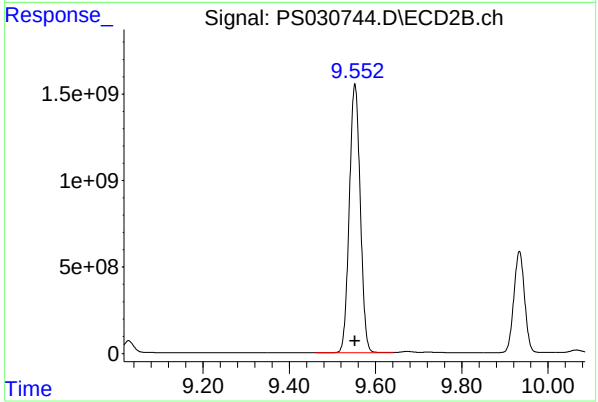
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.002 min
Response: 1124062487
Conc: 661.44 ng/ml



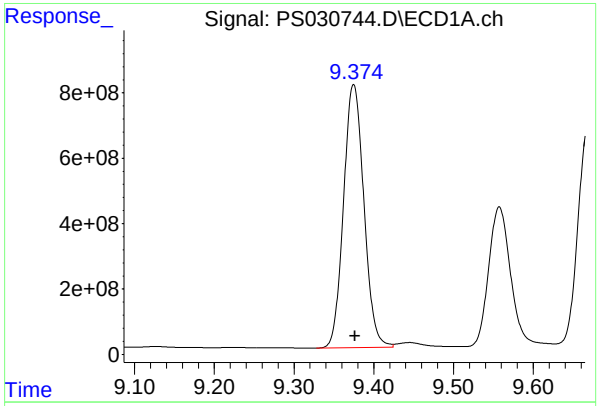
#10 Pentachlorophenol

R.T.: 8.794 min
Delta R.T.: 0.011 min
Response: 38388332733
Conc: 725.33 ng/ml



#10 Pentachlorophenol

R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 27302745086
Conc: 716.19 ng/ml



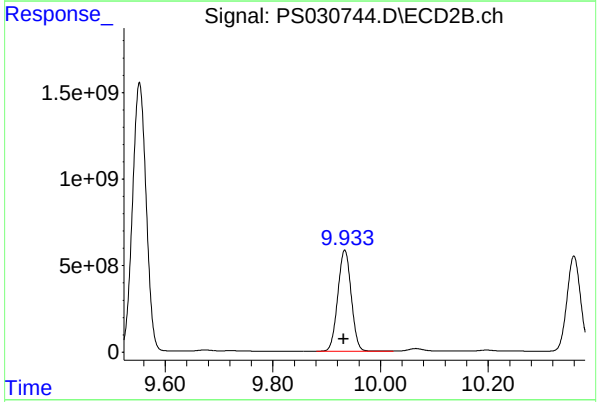
#11 2,4,5-TP (SILVEX)

R.T.: 9.375 min
Delta R.T.: -0.002 min
Response: 14291401500
Conc: 713.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825

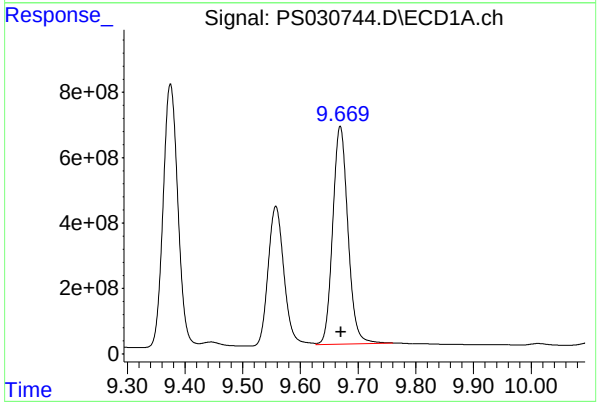
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



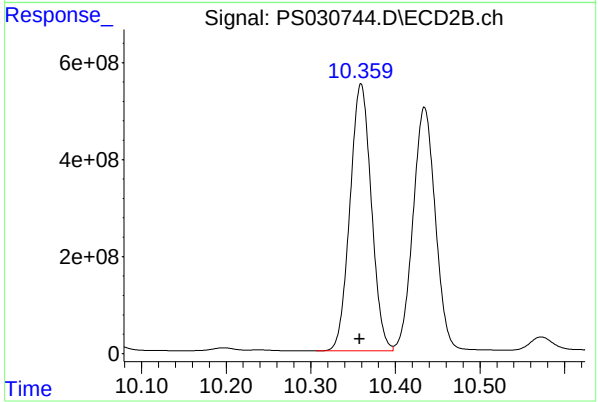
#11 2,4,5-TP (SILVEX)

R.T.: 9.934 min
Delta R.T.: 0.002 min
Response: 10089023893
Conc: 699.23 ng/ml



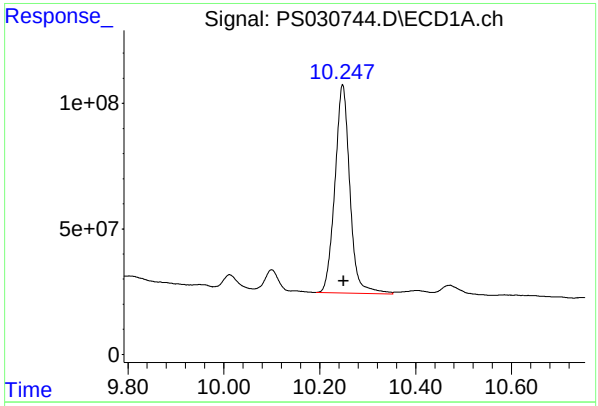
#12 2,4,5-T

R.T.: 9.669 min
Delta R.T.: -0.001 min
Response: 12186092877
Conc: 740.65 ng/ml



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.002 min
Response: 9656126345
Conc: 706.65 ng/ml



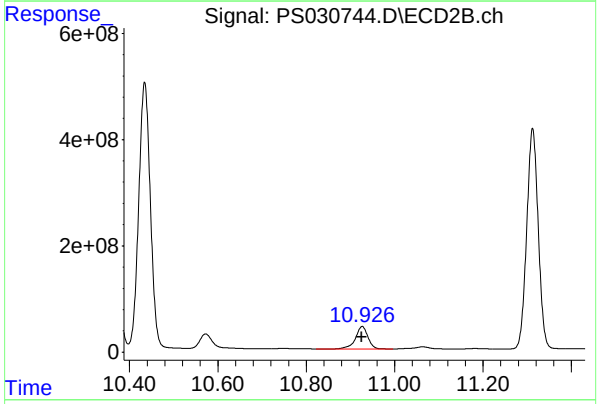
#13 2,4-DB

R.T.: 10.248 min
Delta R.T.: -0.002 min
Response: 1788920802
Conc: 780.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825

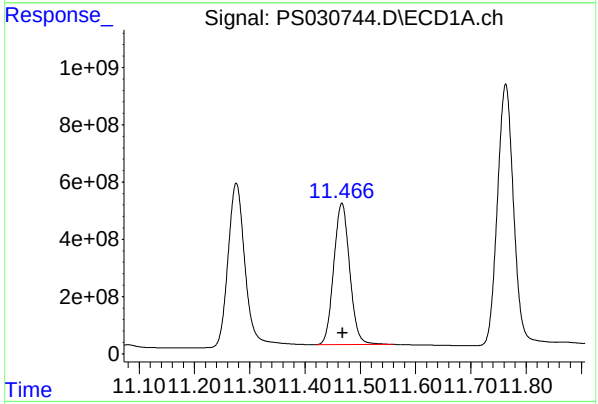
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



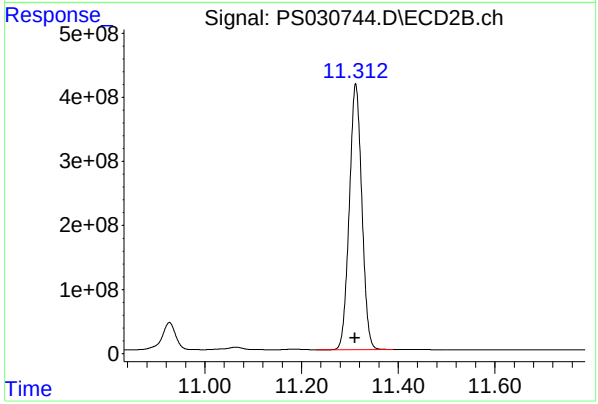
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.002 min
Response: 824513963
Conc: 697.03 ng/ml



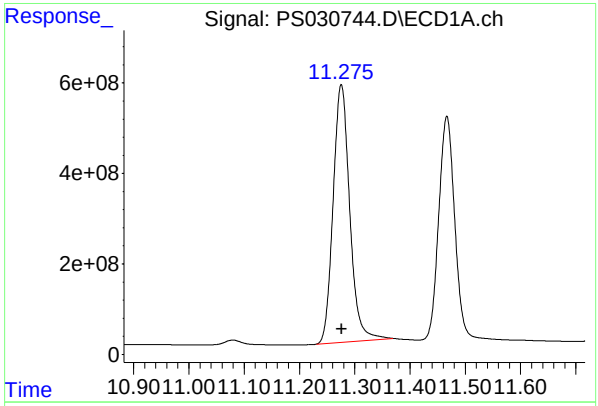
#14 DINOSEB

R.T.: 11.467 min
Delta R.T.: -0.002 min
Response: 9884896443
Conc: 712.52 ng/ml



#14 DINOSEB

R.T.: 11.312 min
Delta R.T.: 0.001 min
Response: 7472608497
Conc: 693.11 ng/ml



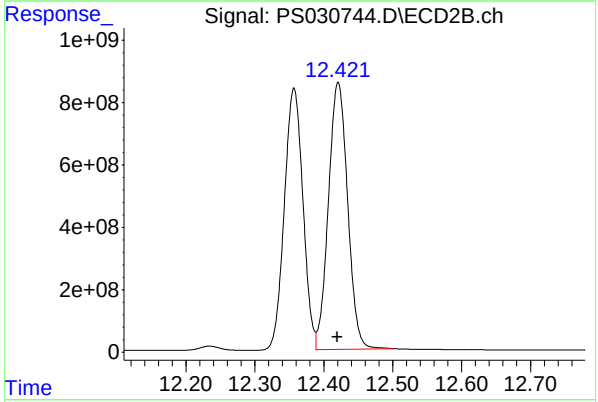
#15 Picloram

R.T.: 11.276 min
Delta R.T.: 0.000 min
Response: 11908385467
Conc: 740.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825

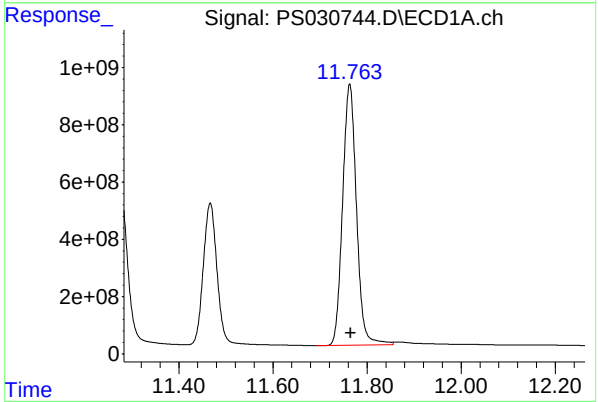
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/20/2025



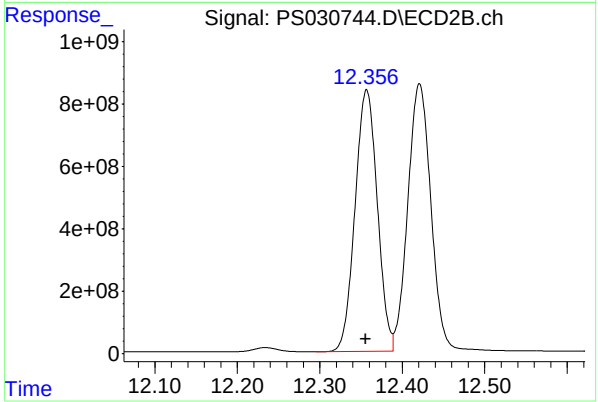
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.002 min
Response: 16569918605
Conc: 712.95 ng/ml



#16 DCPA

R.T.: 11.763 min
Delta R.T.: -0.002 min
Response: 18641277132
Conc: 727.71 ng/ml



#16 DCPA

R.T.: 12.357 min
Delta R.T.: 0.001 min
Response: 15691492514
Conc: 711.87 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/10/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 12:27 **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
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
Dalapon	2.71	2.72	2.62	2.82	0.01
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.49	11.50	11.40	11.60	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/10/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 12:27 **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
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
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
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.31	11.32	11.22	11.42	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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

Client Sample No.: CCAL01 **Date Analyzed:** 06/10/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030594.D **Time Analyzed:** 12:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.683	9.597	9.797	707.270	712.500	-0.7
2,4,5-TP(Silvex)	9.389	9.304	9.504	739.160	712.500	3.7
2,4-D	8.499	8.412	8.612	693.550	705.000	-1.6
2,4-DB	10.263	10.179	10.379	652.380	712.500	-8.4
2,4-DCAA	7.360	7.269	7.469	752.900	750.000	0.4
Dalapon	2.712	2.616	2.816	709.680	682.500	4.0
DICAMBA	7.551	7.461	7.661	741.410	705.000	5.2
DICHLORPROP	8.266	8.179	8.379	713.240	705.000	1.2
Dinoseb	11.485	11.402	11.602	736.750	705.000	4.5

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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

Client Sample No.: CCAL01 **Date Analyzed:** 06/10/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030594.D **Time Analyzed:** 12:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.360	10.268	10.468	729.720	712.500	2.4
2,4,5-TP(Silvex)	9.935	9.842	10.042	735.940	712.500	3.3
2,4-D	9.027	8.934	9.134	718.450	705.000	1.9
2,4-DB	10.928	10.836	11.036	707.420	712.500	-0.7
2,4-DCAA	7.769	7.674	7.874	746.710	750.000	-0.4
Dalapon	2.712	2.610	2.810	681.040	682.500	-0.2
DICAMBA	7.972	7.877	8.077	730.310	705.000	3.6
DICHLORPROP	8.692	8.598	8.798	710.110	705.000	0.7
Dinoseb	11.313	11.221	11.421	741.330	705.000	5.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 12:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:36:05 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	7.360	7.769	2842.3E6	803.2E6	752.896	746.713
	Target Compounds						
1) T	Dalapon	2.712	2.712	4007.5E6	1866.1E6	709.680	681.040
2) T	3,5-DICHL...	6.517	6.714	3921.8E6	1113.1E6	722.741	711.563
3) T	4-Nitroph...	7.159	7.299	1220.4E6	1154.0E6	665.521	736.293
5) T	DICAMBA	7.551	7.972	11434.4E6	4704.4E6	741.410	730.308
6) T	MCPP	7.733	8.071	752.6E6	167.4E6	75.981m	72.398
7) T	MCPA	7.884	8.320	888.8E6	201.3E6	70.039	65.246
8) T	DICHLORPROP	8.266	8.692	2594.9E6	1053.9E6	713.241	710.109
9) T	2,4-D	8.499	9.027	2527.0E6	1129.6E6	693.548	718.453
10) T	Pentachlo...	8.804	9.554	40080.3E6	27281.3E6	789.197m	754.921
11) T	2,4,5-TP ...	9.389	9.935	15274.8E6	10094.7E6	739.161	735.943
12) T	2,4,5-T	9.683	10.360	13035.8E6	9528.0E6	707.274	729.717
13) T	2,4-DB	10.263	10.928	1980.9E6	813.2E6	652.376	707.417
14) T	DINOSEB	11.485	11.313	10590.7E6	7450.4E6	736.748	741.325
15) T	Picloram	11.290	12.421	13168.9E6	15653.7E6	658.287m	708.831
16) T	DCPA	11.781	12.357	19987.9E6	15538.7E6	755.969	759.359m

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

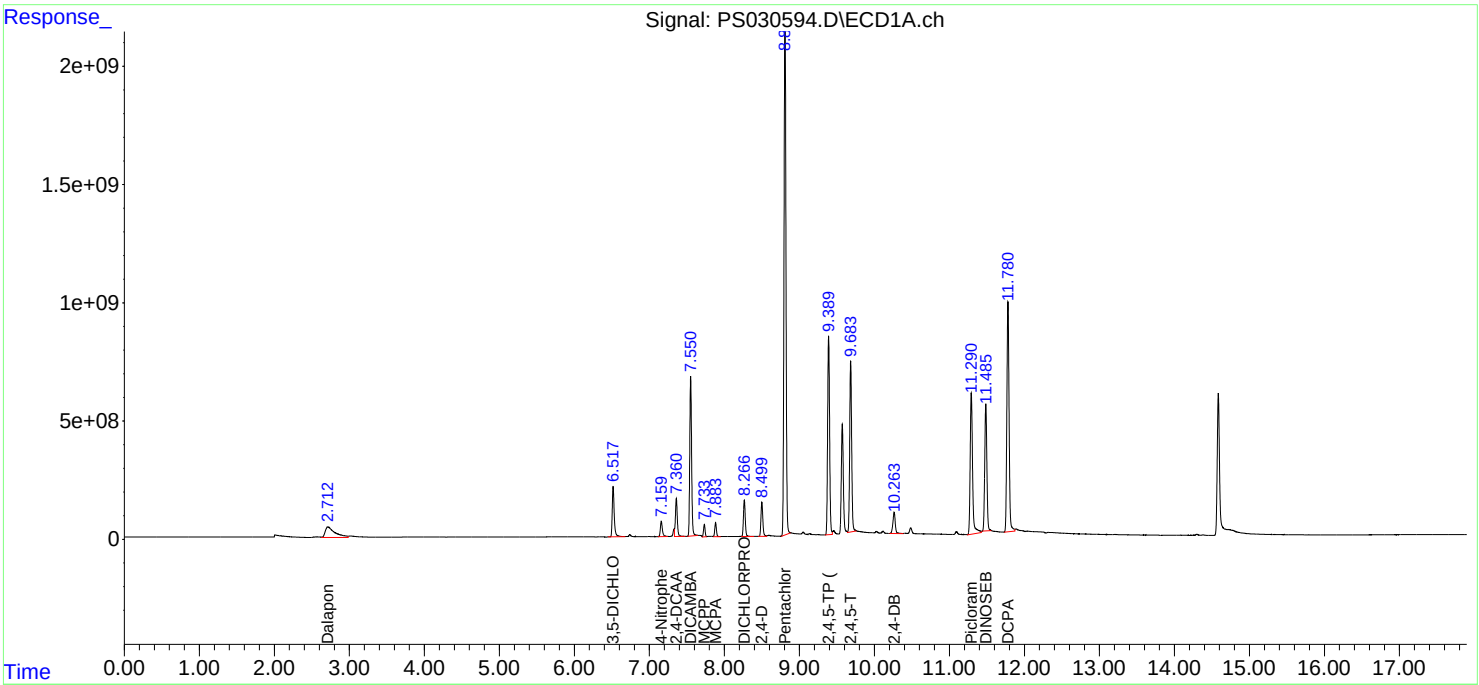
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 12:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

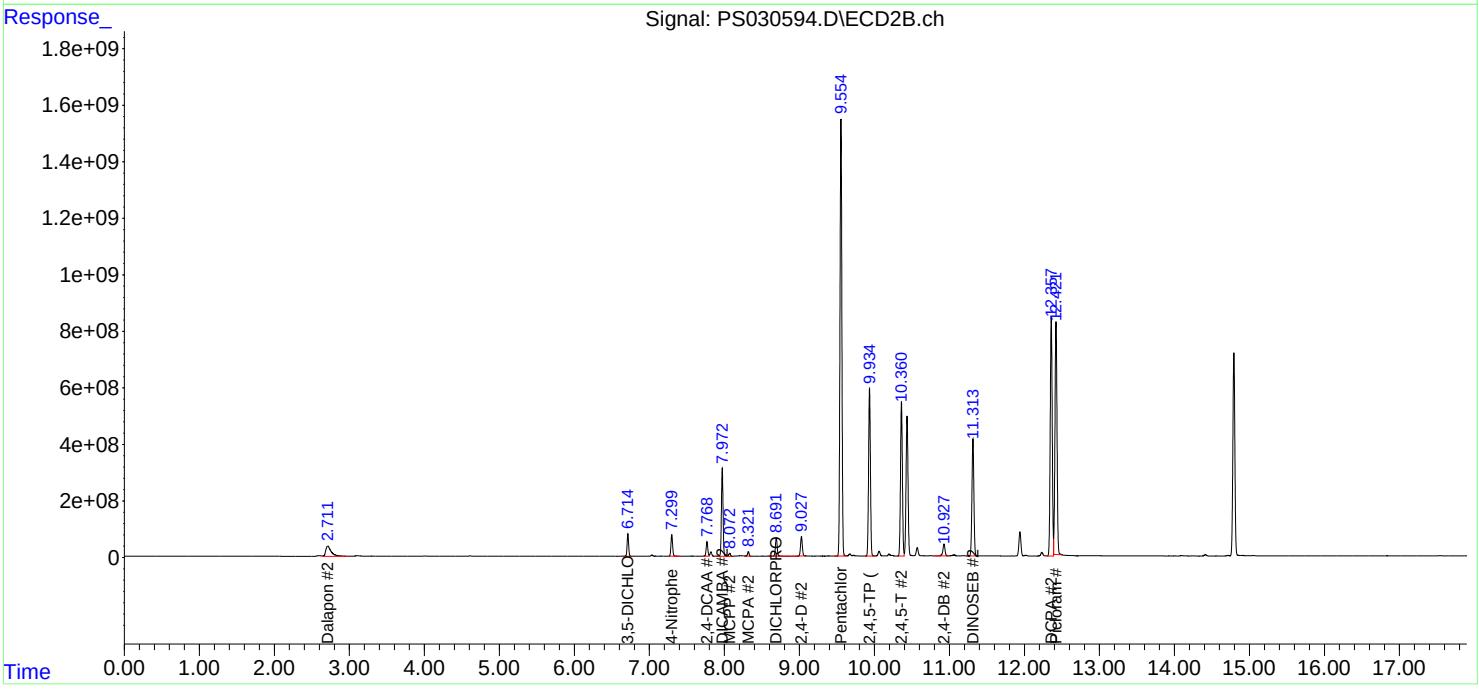
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

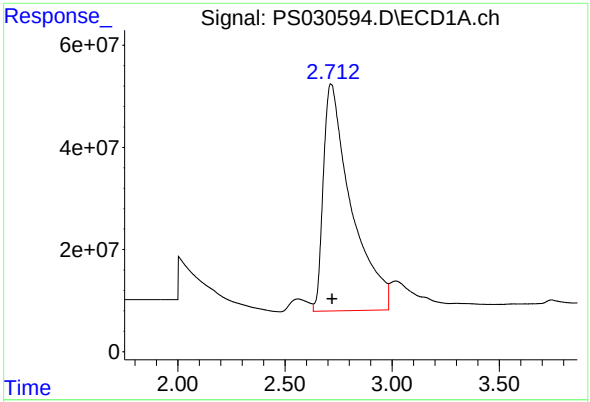
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:36:05 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 0.25µm







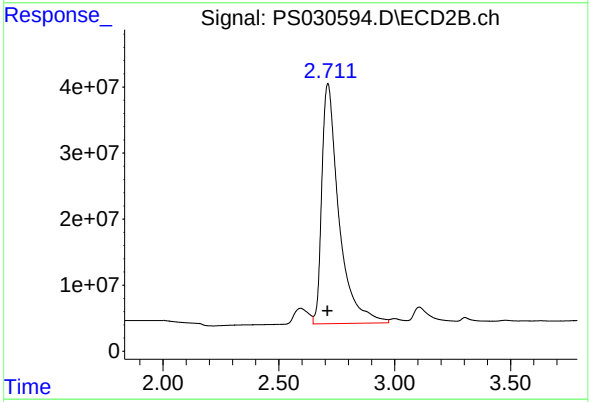
#1 Dalapon

R.T.: 2.712 min
Delta R.T.: -0.008 min
Response: 4007544148
Conc: 709.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

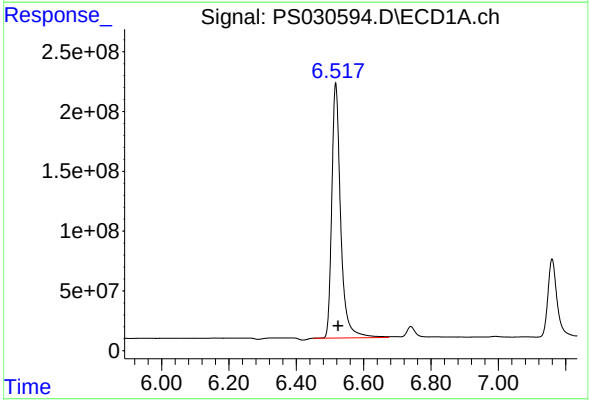
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



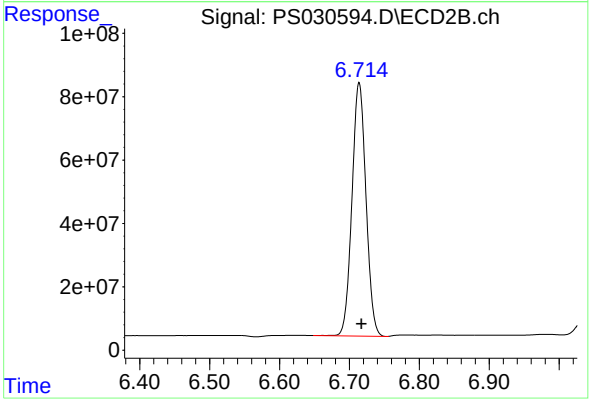
#1 Dalapon

R.T.: 2.712 min
Delta R.T.: 0.001 min
Response: 1866060488
Conc: 681.04 ng/ml



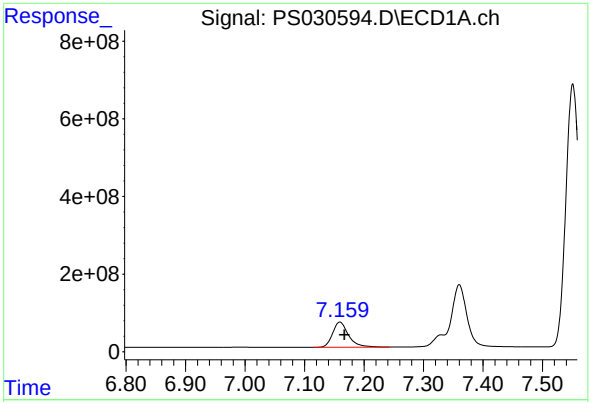
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.517 min
Delta R.T.: -0.007 min
Response: 3921845683
Conc: 722.74 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.714 min
Delta R.T.: -0.003 min
Response: 1113060375
Conc: 711.56 ng/ml



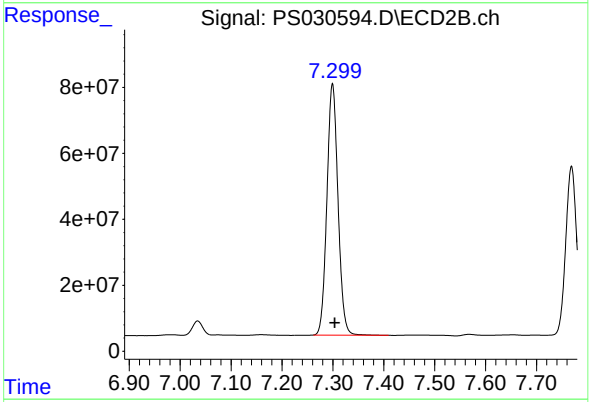
#3 4-Nitrophenol

R.T.: 7.159 min
Delta R.T.: -0.008 min
Response: 1220401943
Conc: 665.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

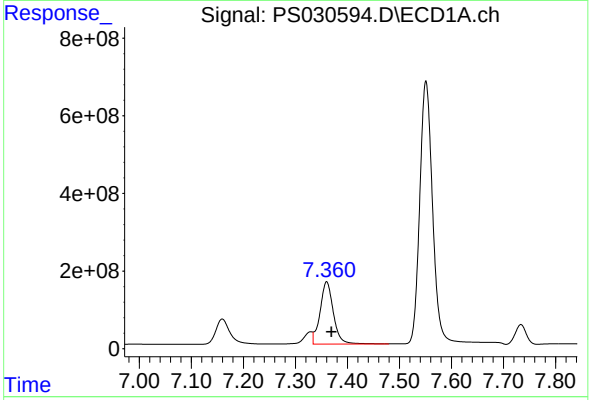
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



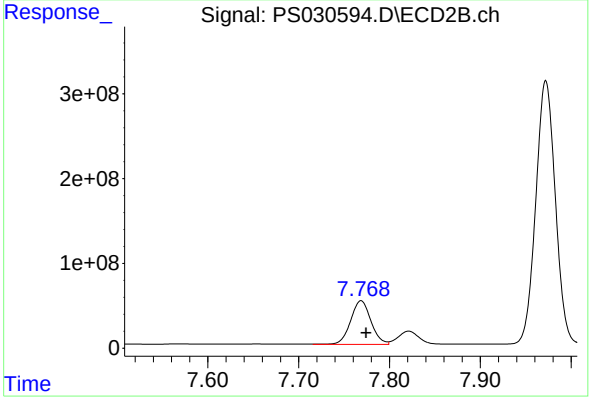
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.005 min
Response: 1153950405
Conc: 736.29 ng/ml



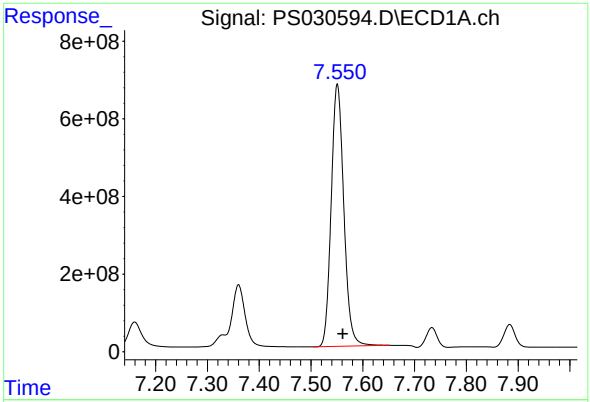
#4 2,4-DCAA

R.T.: 7.360 min
Delta R.T.: -0.009 min
Response: 2842291064
Conc: 752.90 ng/ml



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: -0.006 min
Response: 803172592
Conc: 746.71 ng/ml



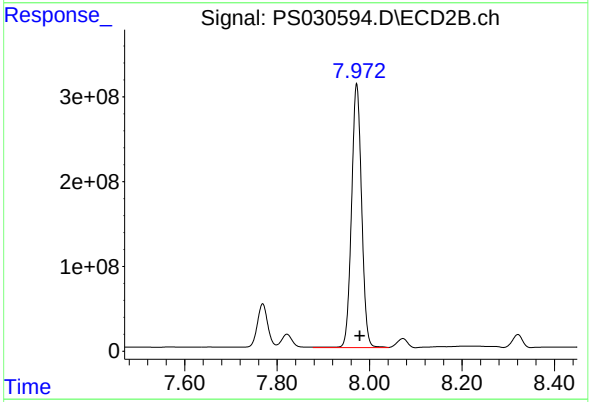
#5 DICAMBA

R.T.: 7.551 min
Delta R.T.: -0.010 min
Response: 11434416495
Conc: 741.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

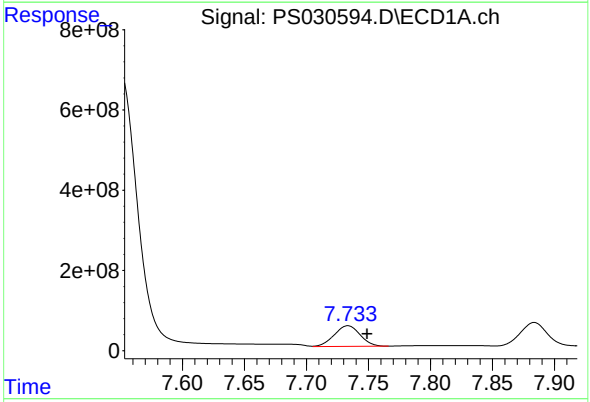
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



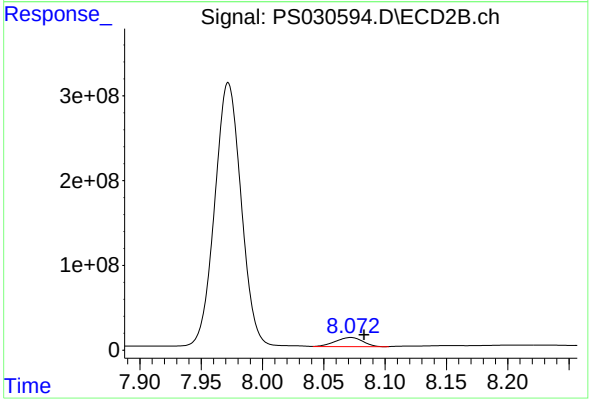
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: -0.006 min
Response: 4704384575
Conc: 730.31 ng/ml



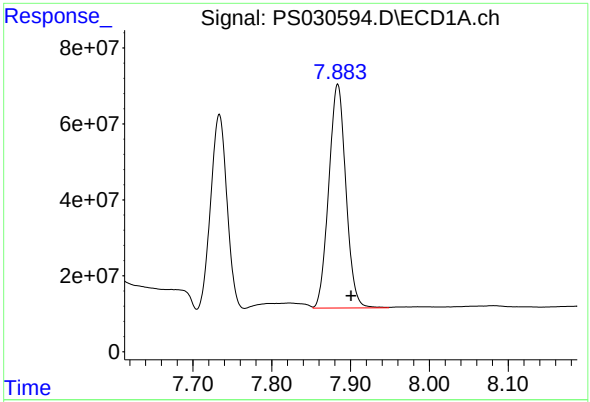
#6 MCPP

R.T.: 7.733 min
Delta R.T.: -0.016 min
Response: 752584060
Conc: 75.98 ug/ml m



#6 MCPP

R.T.: 8.071 min
Delta R.T.: -0.012 min
Response: 167355374
Conc: 72.40 ug/ml



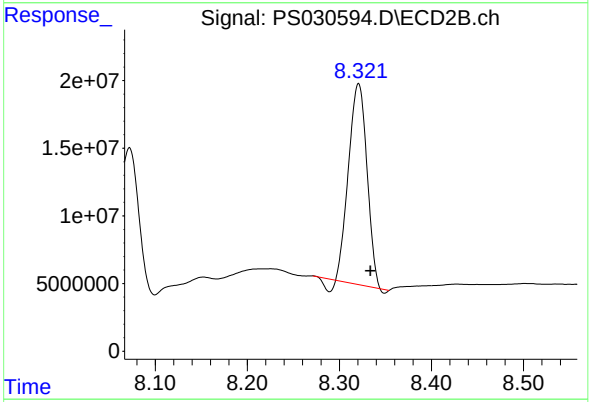
#7 MCPA

R.T.: 7.884 min
Delta R.T.: -0.017 min
Response: 888757765
Conc: 70.04 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

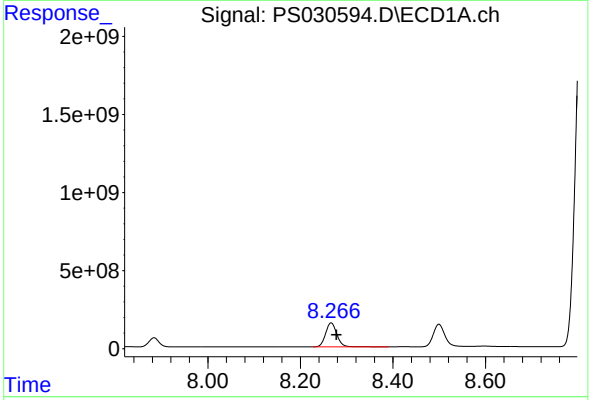
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



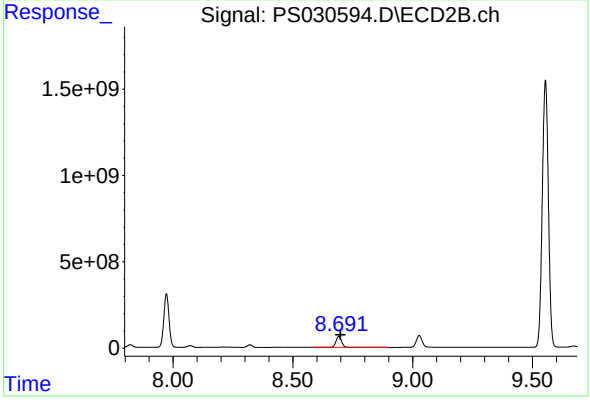
#7 MCPA

R.T.: 8.320 min
Delta R.T.: -0.013 min
Response: 201344764
Conc: 65.25 ug/ml



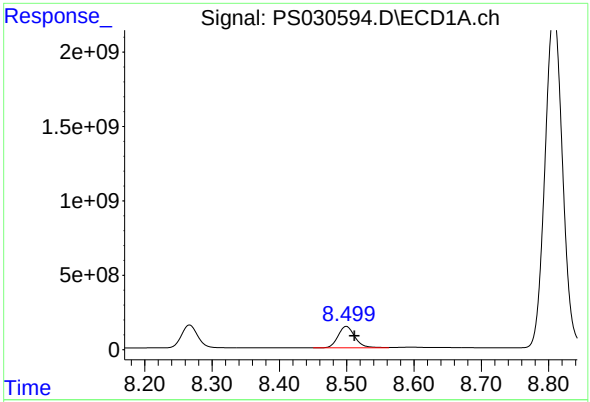
#8 DICHLORPROP

R.T.: 8.266 min
Delta R.T.: -0.012 min
Response: 2594875071
Conc: 713.24 ng/ml



#8 DICHLORPROP

R.T.: 8.692 min
Delta R.T.: -0.007 min
Response: 1053946547
Conc: 710.11 ng/ml



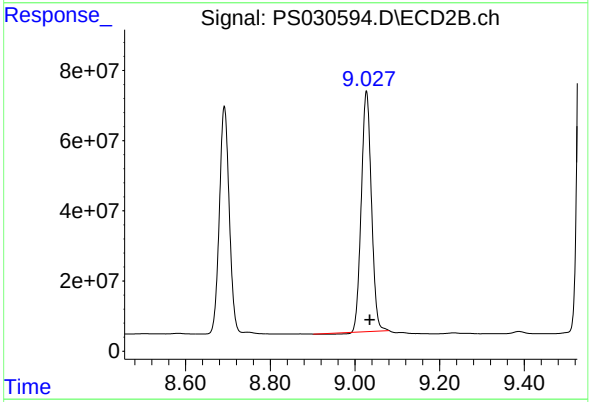
#9 2,4-D

R.T.: 8.499 min
Delta R.T.: -0.012 min
Response: 2527018219
Conc: 693.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

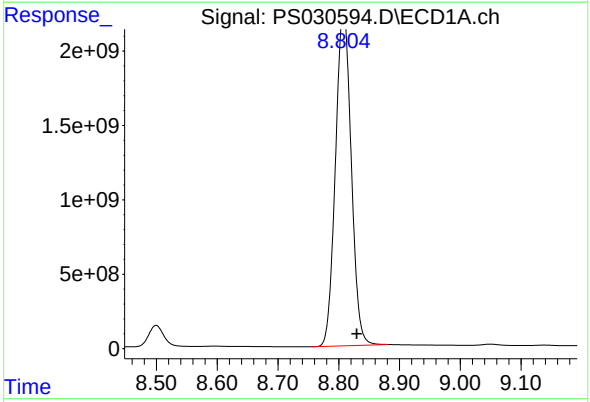
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



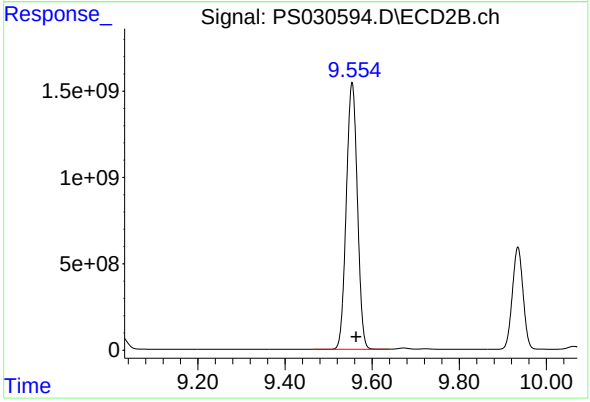
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: -0.007 min
Response: 1129638105
Conc: 718.45 ng/ml



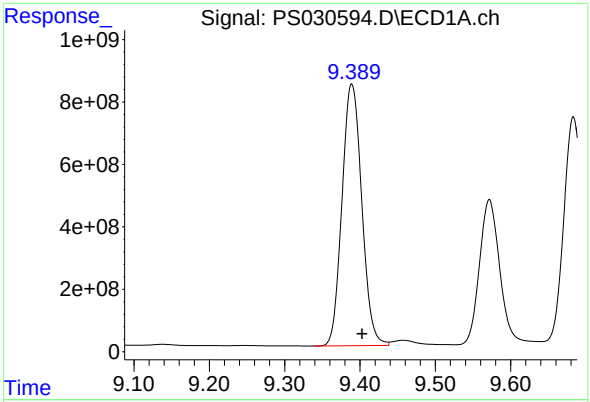
#10 Pentachlorophenol

R.T.: 8.804 min
Delta R.T.: -0.026 min
Response: 40080276913
Conc: 789.20 ng/ml m



#10 Pentachlorophenol

R.T.: 9.554 min
Delta R.T.: -0.009 min
Response: 27281329368
Conc: 754.92 ng/ml



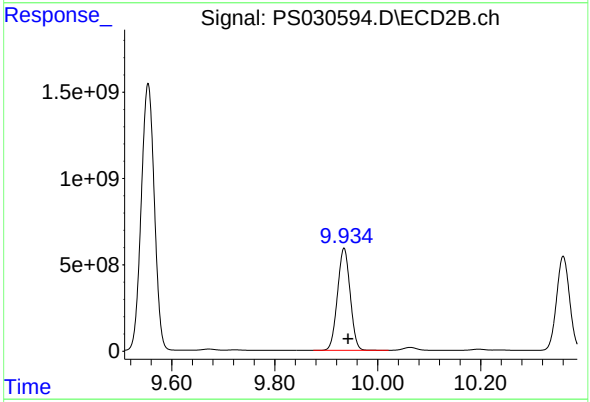
#11 2,4,5-TP (SILVEX)

R.T.: 9.389 min
Delta R.T.: -0.014 min
Response: 15274829797
Conc: 739.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

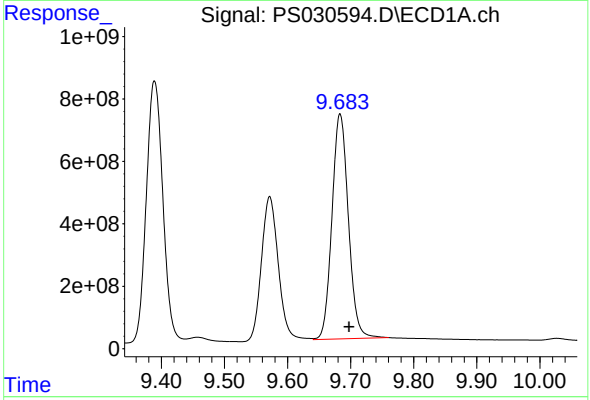
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



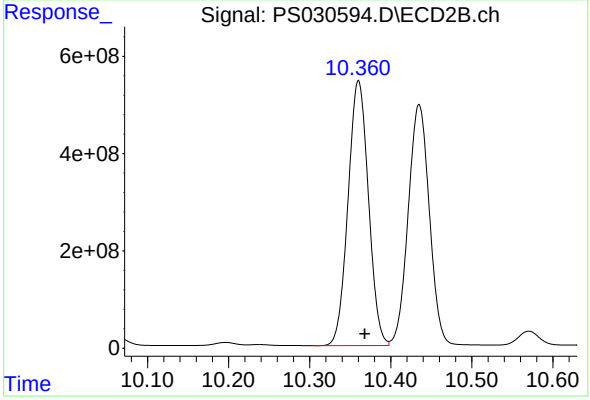
#11 2,4,5-TP (SILVEX)

R.T.: 9.935 min
Delta R.T.: -0.008 min
Response: 10094746496
Conc: 735.94 ng/ml



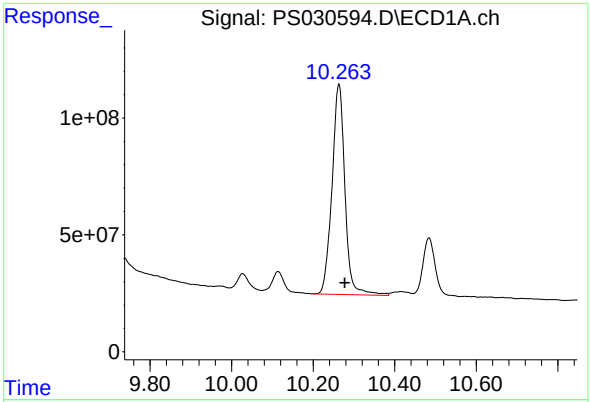
#12 2,4,5-T

R.T.: 9.683 min
Delta R.T.: -0.014 min
Response: 13035815399
Conc: 707.27 ng/ml



#12 2,4,5-T

R.T.: 10.360 min
Delta R.T.: -0.007 min
Response: 9528005778
Conc: 729.72 ng/ml



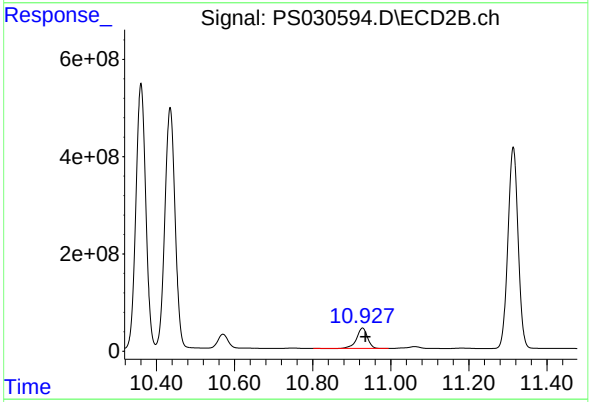
#13 2,4-DB

R.T.: 10.263 min
Delta R.T.: -0.014 min
Response: 1980851618
Conc: 652.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

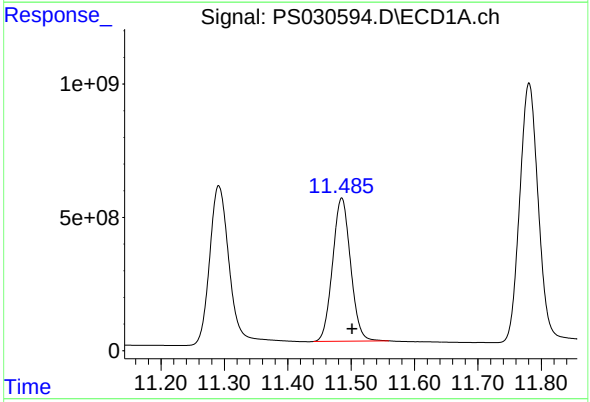
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



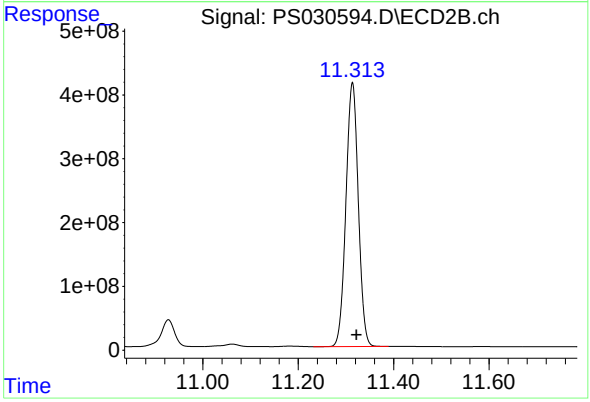
#13 2,4-DB

R.T.: 10.928 min
Delta R.T.: -0.007 min
Response: 813212523
Conc: 707.42 ng/ml



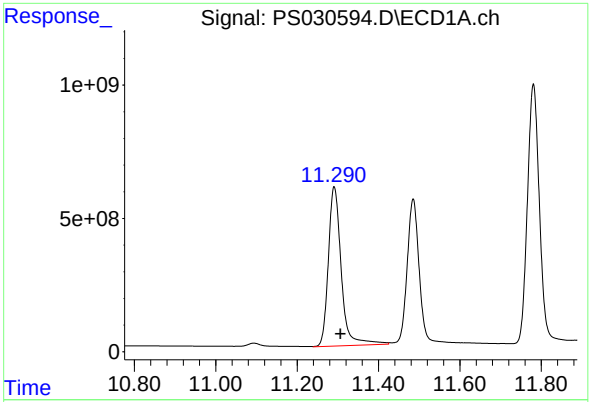
#14 DINOSEB

R.T.: 11.485 min
Delta R.T.: -0.016 min
Response: 10590707635
Conc: 736.75 ng/ml



#14 DINOSEB

R.T.: 11.313 min
Delta R.T.: -0.008 min
Response: 7450406148
Conc: 741.33 ng/ml



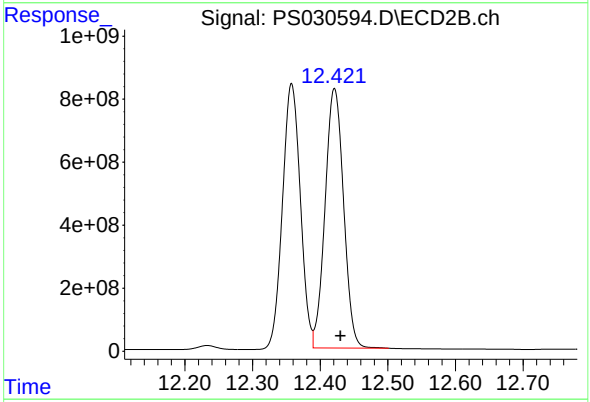
#15 Picloram

R.T.: 11.290 min
Delta R.T.: -0.016 min
Response: 13168896600
Conc: 658.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

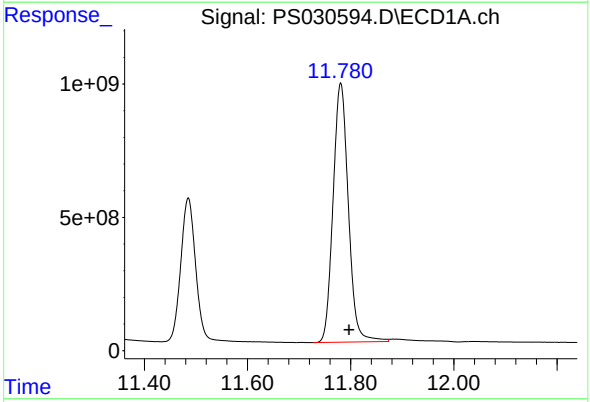
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



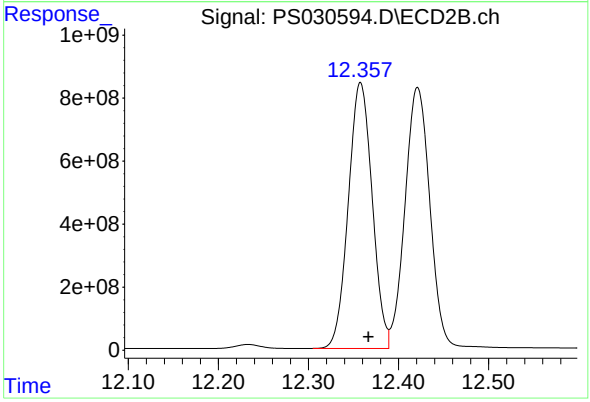
#15 Picloram

R.T.: 12.421 min
Delta R.T.: -0.008 min
Response: 15653735407
Conc: 708.83 ng/ml



#16 DCPA

R.T.: 11.781 min
Delta R.T.: -0.016 min
Response: 19987892642
Conc: 755.97 ng/ml



#16 DCPA

R.T.: 12.357 min
Delta R.T.: -0.009 min
Response: 15538719976
Conc: 759.36 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/10/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 20:01 **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
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
Dalapon	2.72	2.72	2.62	2.82	0.00
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.48	11.50	11.40	11.60	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/10/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 20:01 **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
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.94	9.84	10.04	0.01
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.31	11.32	11.22	11.42	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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

Client Sample No.: CCAL02 **Date Analyzed:** 06/10/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030606.D **Time Analyzed:** 20:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.683	9.597	9.797	708.690	712.500	-0.5
2,4,5-TP(Silvex)	9.388	9.304	9.504	734.910	712.500	3.1
2,4-D	8.498	8.412	8.612	699.570	705.000	-0.8
2,4-DB	10.262	10.179	10.379	662.060	712.500	-7.1
2,4-DCAA	7.358	7.269	7.469	695.690	750.000	-7.2
Dalapon	2.716	2.616	2.816	699.180	682.500	2.4
DICAMBA	7.550	7.461	7.661	736.770	705.000	4.5
DICHLORPROP	8.265	8.179	8.379	709.770	705.000	0.7
Dinoseb	11.483	11.402	11.602	730.610	705.000	3.6

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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

Client Sample No.: CCAL02 **Date Analyzed:** 06/10/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030606.D **Time Analyzed:** 20:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.360	10.268	10.468	734.330	712.500	3.1
2,4,5-TP(Silvex)	9.934	9.842	10.042	739.790	712.500	3.8
2,4-D	9.027	8.934	9.134	724.670	705.000	2.8
2,4-DB	10.927	10.836	11.036	717.750	712.500	0.7
2,4-DCAA	7.769	7.674	7.874	736.310	750.000	-1.8
Dalapon	2.711	2.610	2.810	679.800	682.500	-0.4
DICAMBA	7.972	7.877	8.077	732.020	705.000	3.8
DICHLORPROP	8.692	8.598	8.798	712.380	705.000	1.0
Dinoseb	11.313	11.221	11.421	743.840	705.000	5.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 20:01
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:38:20 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	7.358	7.769	2626.3E6	792.0E6	695.693m	736.310
	Target Compounds						
1) T	Dalapon	2.716	2.711	3948.2E6	1862.7E6	699.178	679.799
2) T	3,5-DICHL...	6.516	6.714	3891.0E6	1121.1E6	717.054	716.671
3) T	4-Nitroph...	7.158	7.300	1231.6E6	1173.6E6	671.623	748.808
5) T	DICAMBA	7.550	7.972	11362.8E6	4715.4E6	736.768	732.024
6) T	MCPP	7.732	8.072	757.8E6	167.0E6	76.511m	72.224
7) T	MCPA	7.883	8.321	891.3E6	212.4E6	70.238	68.821
8) T	DICHLORPROP	8.265	8.692	2582.2E6	1057.3E6	709.767	712.385
9) T	2,4-D	8.498	9.027	2549.0E6	1139.4E6	699.567	724.667
10) T	Pentachlo...	8.807	9.554	39391.5E6	27457.3E6	775.634	759.790
11) T	2,4,5-TP ...	9.388	9.934	15187.0E6	10147.5E6	734.913	739.791
12) T	2,4,5-T	9.683	10.360	13061.9E6	9588.3E6	708.690	734.331
13) T	2,4-DB	10.262	10.927	2010.3E6	825.1E6	662.060	717.754
14) T	DINOSEB	11.483	11.313	10502.4E6	7475.7E6	730.606	743.837
15) T	Picloram	11.290	12.421	13010.7E6	15497.3E6	650.380m	701.749
16) T	DCPA	11.779	12.358	19887.4E6	15582.2E6	752.168	761.484m

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

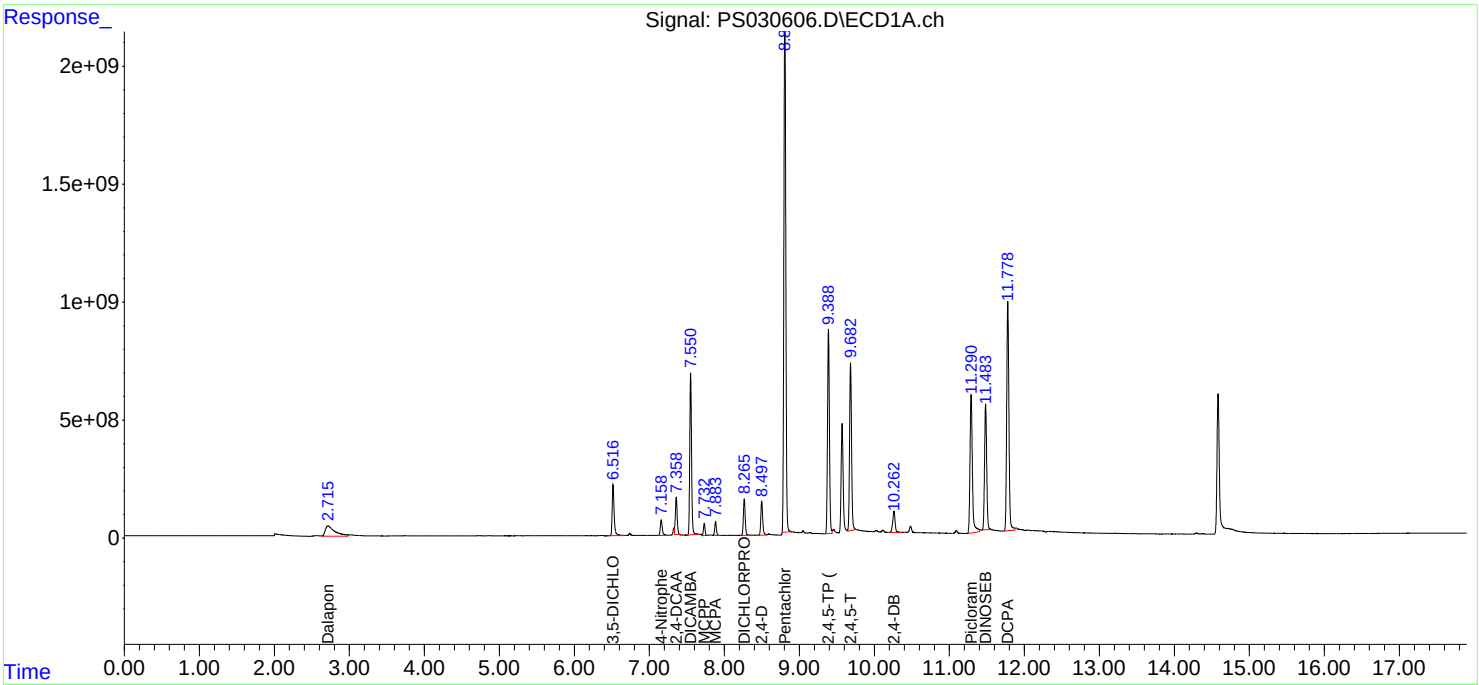
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 20:01
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

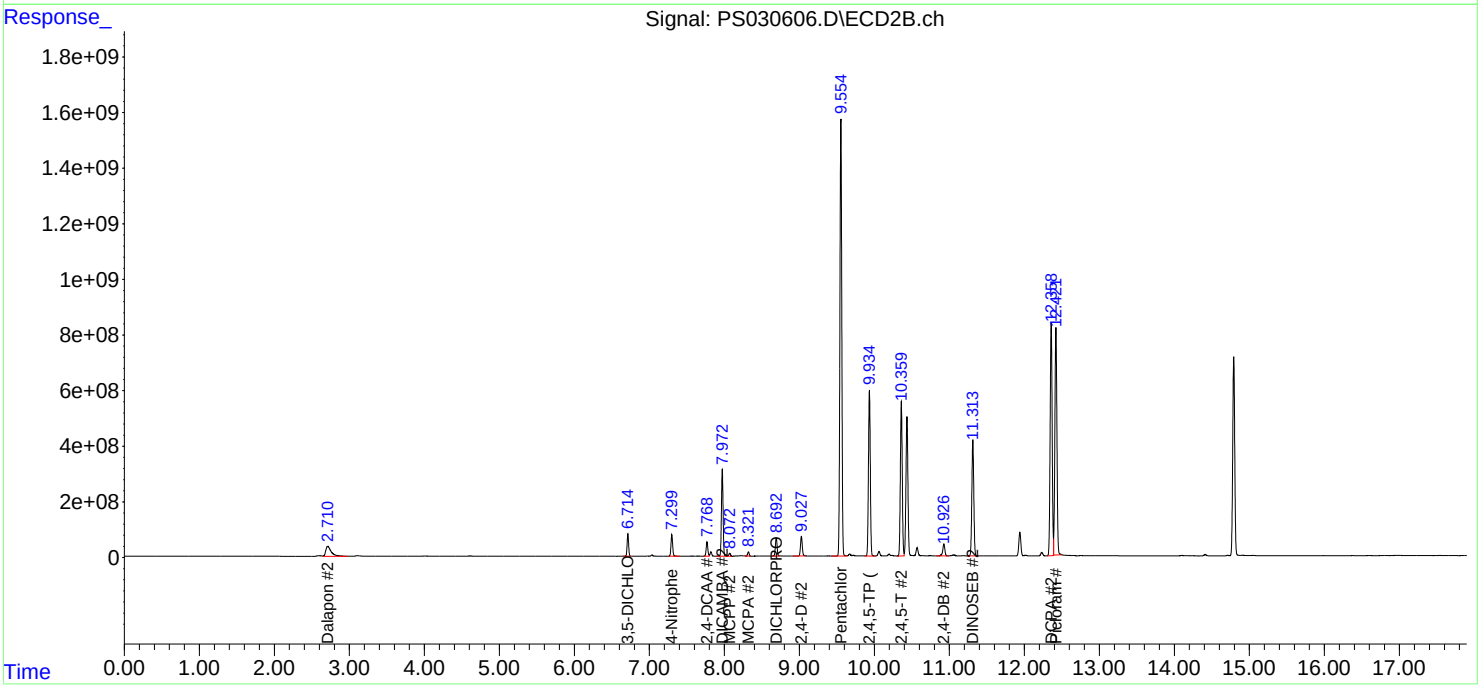
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

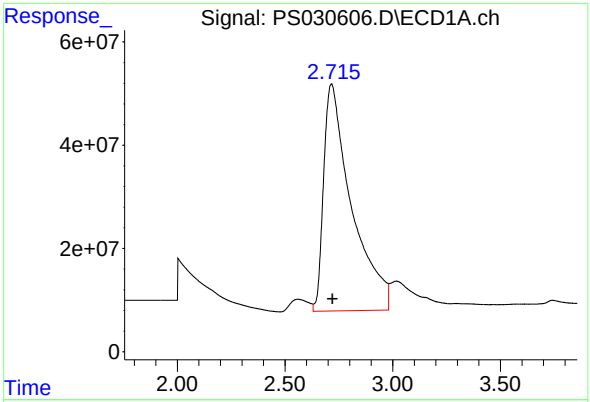
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:38:20 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 0.25µm







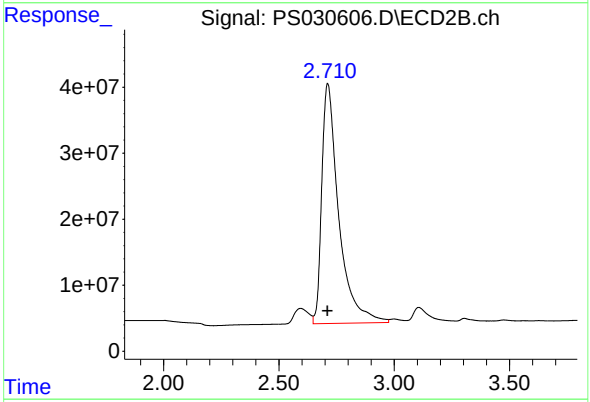
#1 Dalapon

R.T.: 2.716 min
Delta R.T.: -0.004 min
Response: 3948240312
Conc: 699.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

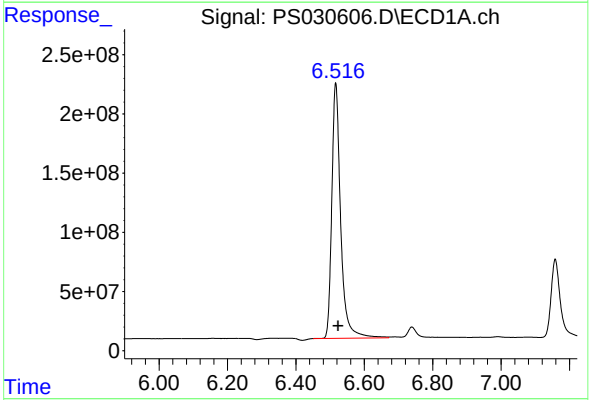
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



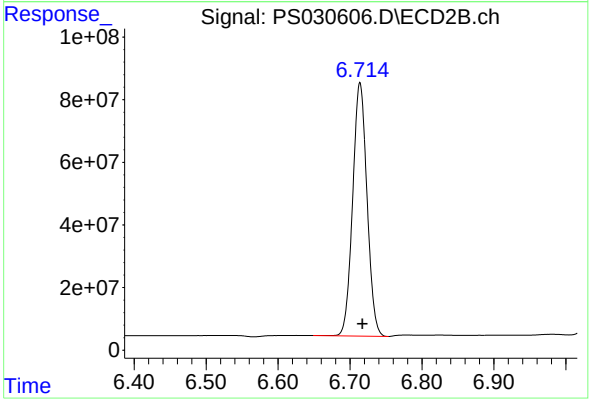
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 1862659747
Conc: 679.80 ng/ml



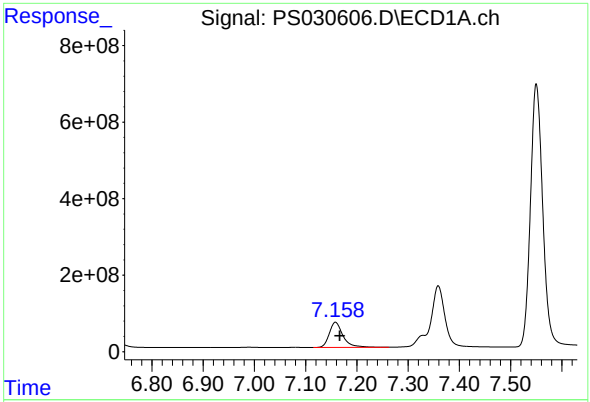
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.516 min
Delta R.T.: -0.008 min
Response: 3890985252
Conc: 717.05 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.714 min
Delta R.T.: -0.003 min
Response: 1121051614
Conc: 716.67 ng/ml



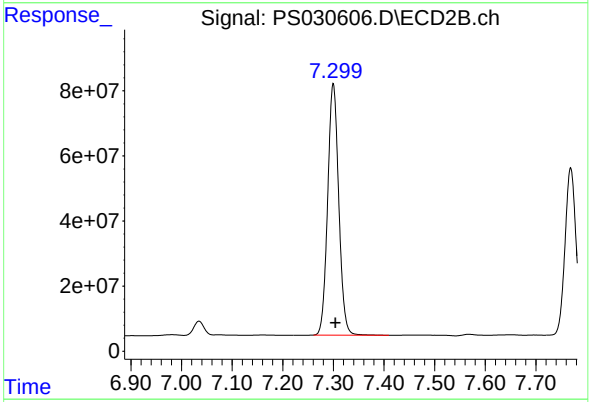
#3 4-Nitrophenol

R.T.: 7.158 min
Delta R.T.: -0.009 min
Response: 1231593036
Conc: 671.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

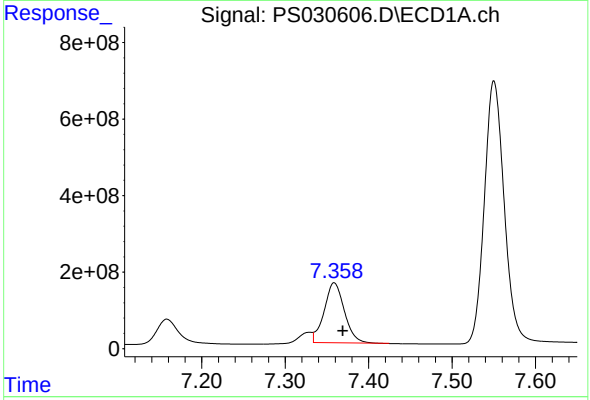
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



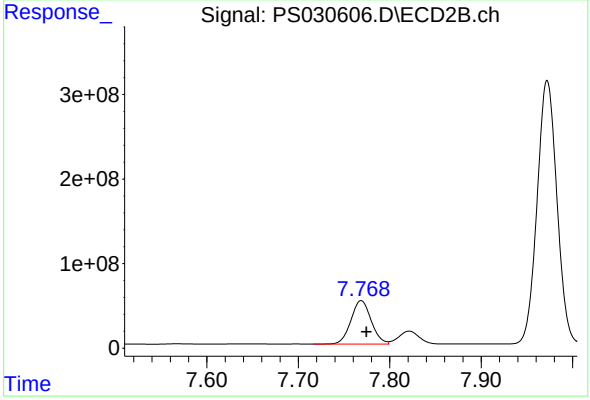
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.004 min
Response: 1173563180
Conc: 748.81 ng/ml



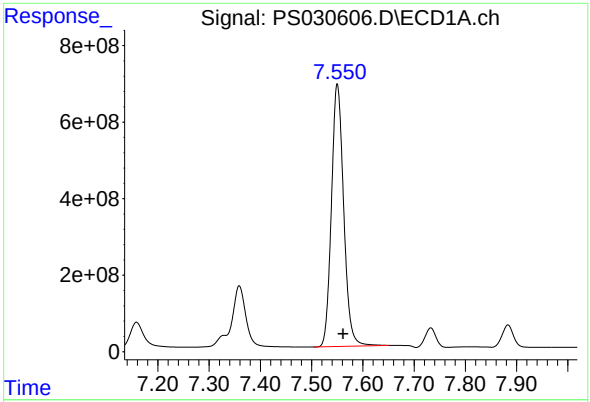
#4 2,4-DCAA

R.T.: 7.358 min
Delta R.T.: -0.011 min
Response: 2626342367
Conc: 695.69 ng/ml m



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: -0.006 min
Response: 791982680
Conc: 736.31 ng/ml



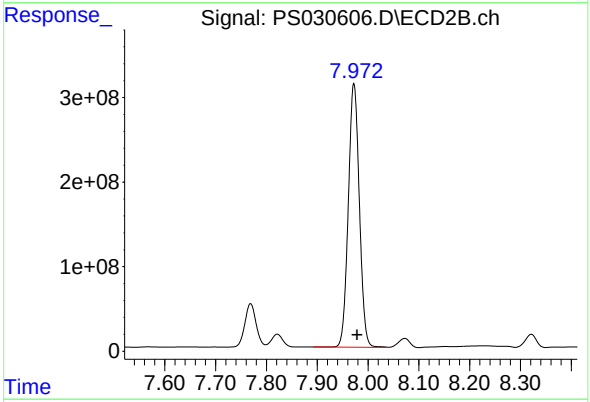
#5 DICAMBA

R.T.: 7.550 min
Delta R.T.: -0.011 min
Response: 11362828110
Conc: 736.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

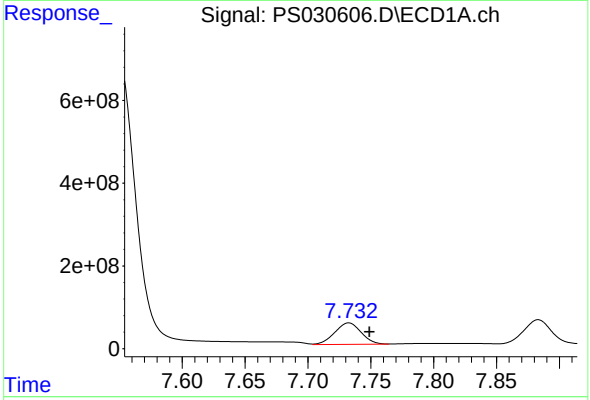
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



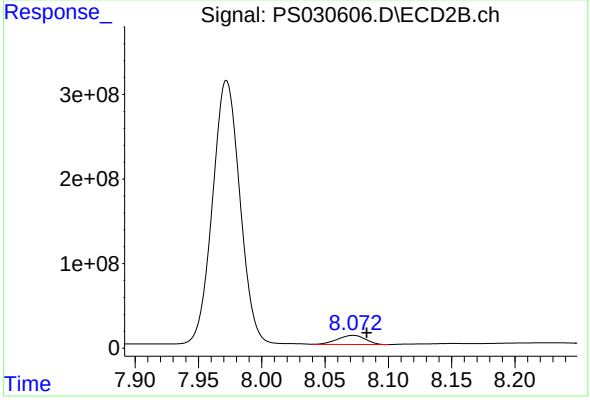
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: -0.006 min
Response: 4715439157
Conc: 732.02 ng/ml



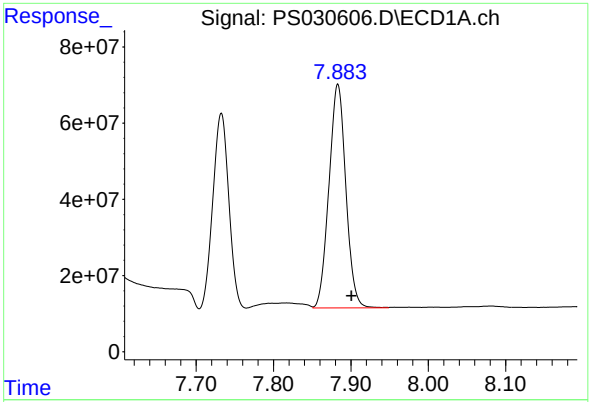
#6 MCPP

R.T.: 7.732 min
Delta R.T.: -0.017 min
Response: 757830103
Conc: 76.51 ug/ml m



#6 MCPP

R.T.: 8.072 min
Delta R.T.: -0.011 min
Response: 166951576
Conc: 72.22 ug/ml



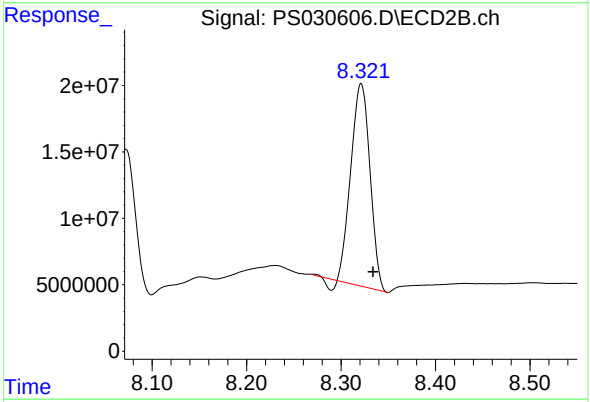
#7 MCPA

R.T.: 7.883 min
Delta R.T.: -0.017 min
Response: 891282950
Conc: 70.24 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

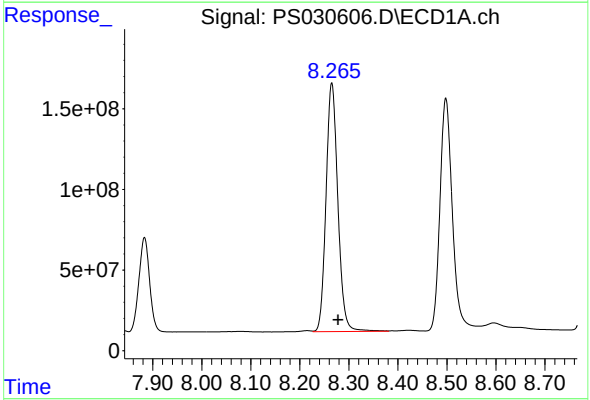
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



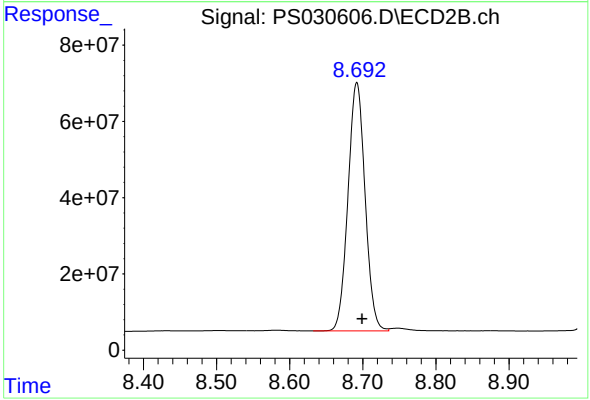
#7 MCPA

R.T.: 8.321 min
Delta R.T.: -0.012 min
Response: 212374445
Conc: 68.82 ug/ml



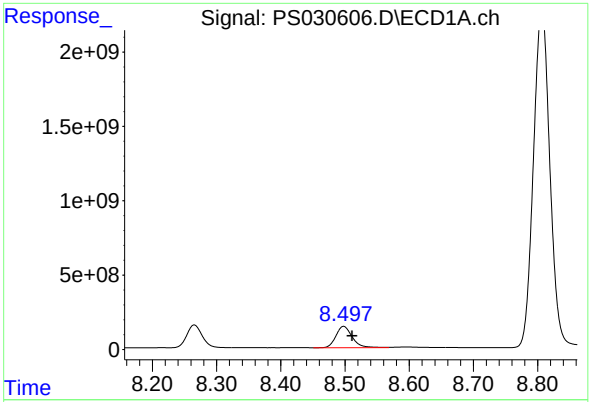
#8 DICHLORPROP

R.T.: 8.265 min
Delta R.T.: -0.013 min
Response: 2582235559
Conc: 709.77 ng/ml



#8 DICHLORPROP

R.T.: 8.692 min
Delta R.T.: -0.007 min
Response: 1057324133
Conc: 712.38 ng/ml



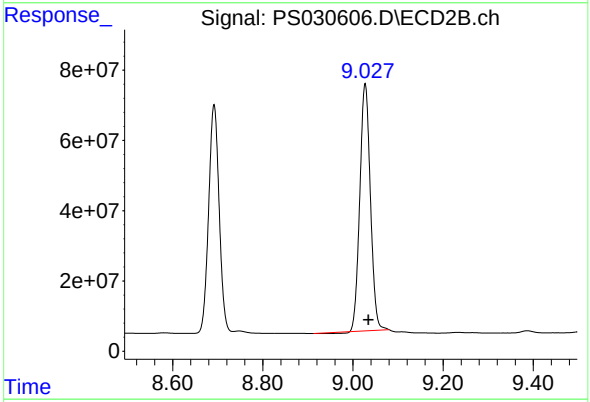
#9 2,4-D

R.T.: 8.498 min
Delta R.T.: -0.013 min
Response: 2548951666
Conc: 699.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

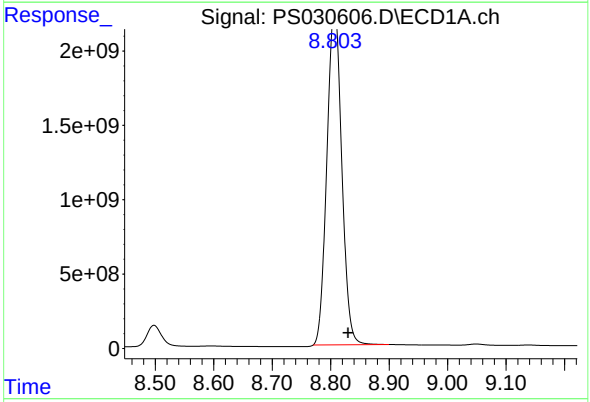
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



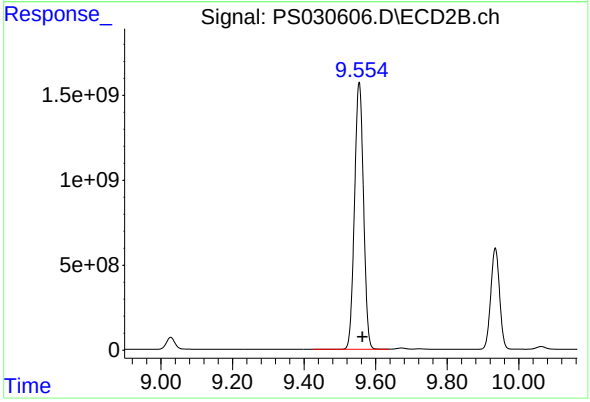
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: -0.007 min
Response: 1139408353
Conc: 724.67 ng/ml



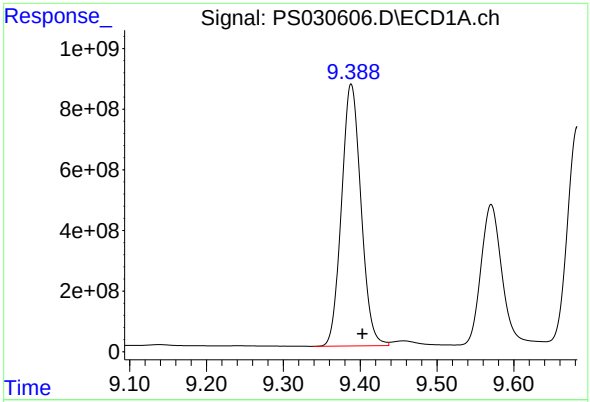
#10 Pentachlorophenol

R.T.: 8.807 min
Delta R.T.: -0.023 min
Response: 39391511111
Conc: 775.63 ng/ml



#10 Pentachlorophenol

R.T.: 9.554 min
Delta R.T.: -0.009 min
Response: 27457291450
Conc: 759.79 ng/ml



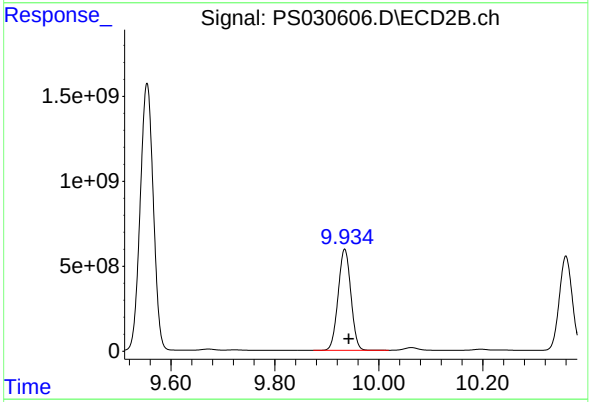
#11 2,4,5-TP (SILVEX)

R.T.: 9.388 min
Delta R.T.: -0.015 min
Response: 15187045303
Conc: 734.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

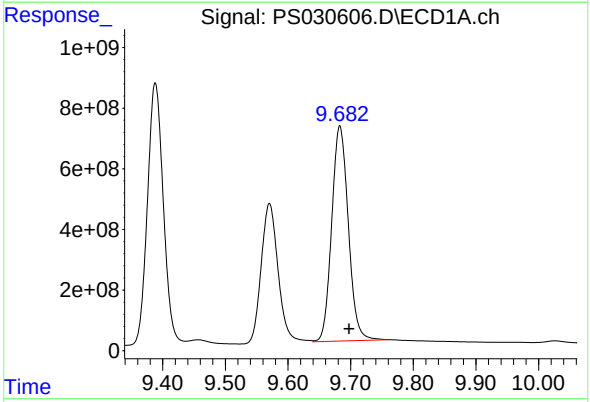
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



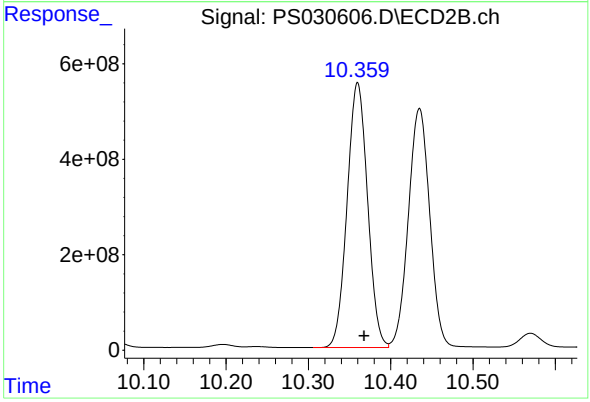
#11 2,4,5-TP (SILVEX)

R.T.: 9.934 min
Delta R.T.: -0.008 min
Response: 10147522394
Conc: 739.79 ng/ml



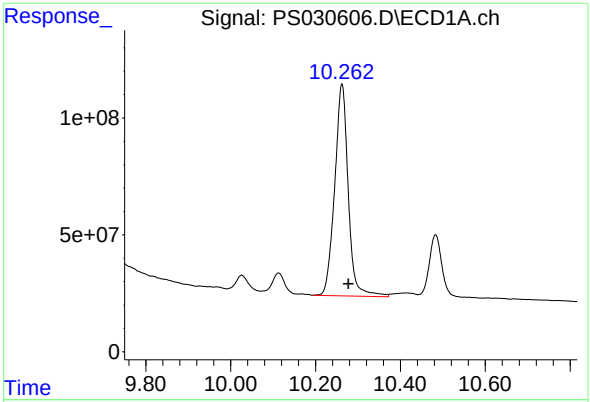
#12 2,4,5-T

R.T.: 9.683 min
Delta R.T.: -0.015 min
Response: 13061905547
Conc: 708.69 ng/ml



#12 2,4,5-T

R.T.: 10.360 min
Delta R.T.: -0.008 min
Response: 9588252529
Conc: 734.33 ng/ml



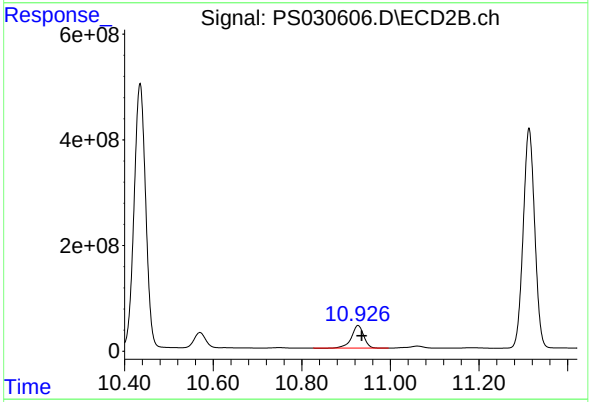
#13 2,4-DB

R.T.: 10.262 min
Delta R.T.: -0.015 min
Response: 2010255166
Conc: 662.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

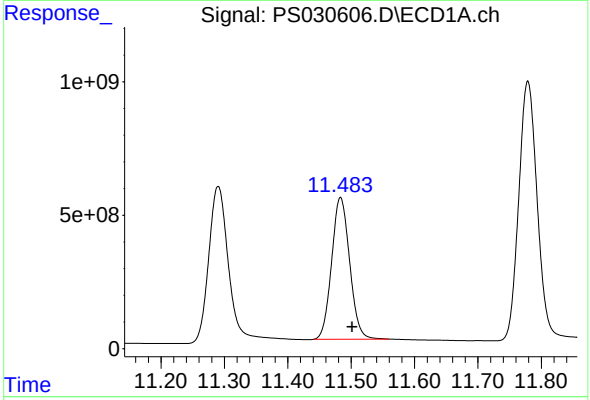
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



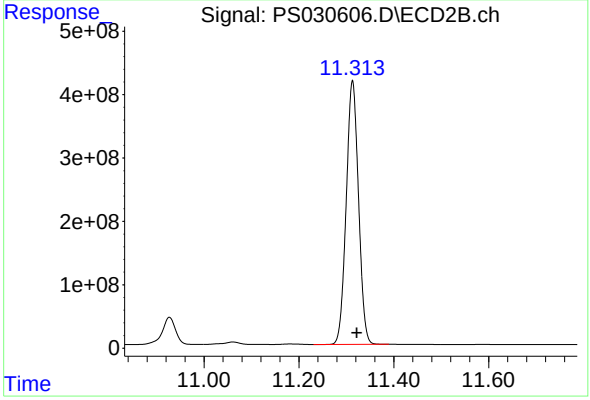
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: -0.008 min
Response: 825095937
Conc: 717.75 ng/ml



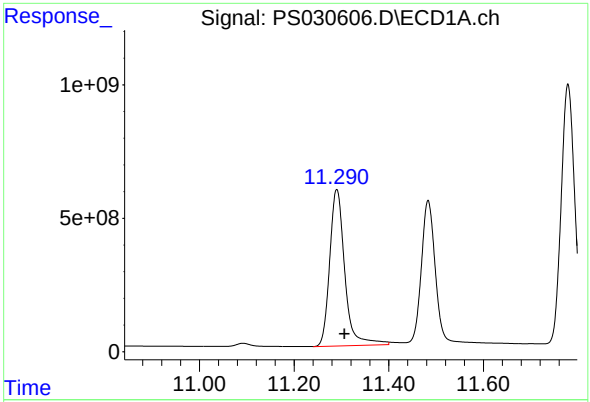
#14 DINOSEB

R.T.: 11.483 min
Delta R.T.: -0.018 min
Response: 10502417837
Conc: 730.61 ng/ml



#14 DINOSEB

R.T.: 11.313 min
Delta R.T.: -0.009 min
Response: 7475651170
Conc: 743.84 ng/ml



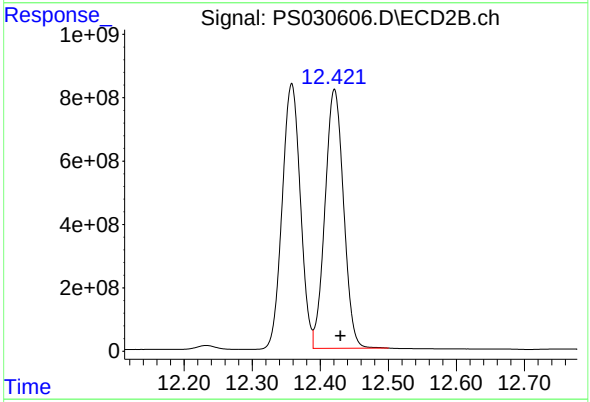
#15 Picloram

R.T.: 11.290 min
Delta R.T.: -0.016 min
Response: 13010722664
Conc: 650.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

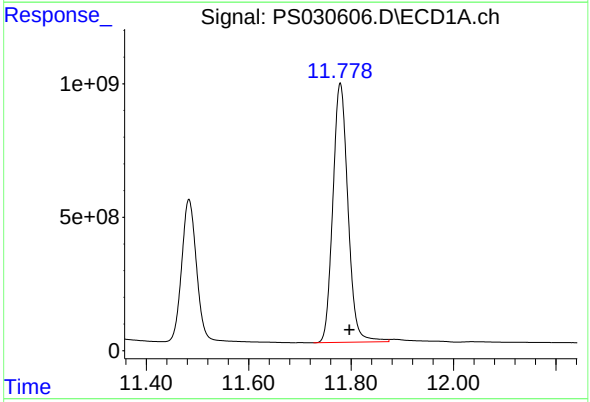
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/12/2025



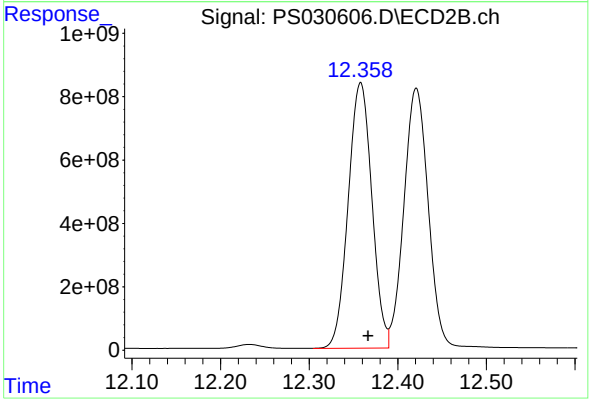
#15 Picloram

R.T.: 12.421 min
Delta R.T.: -0.009 min
Response: 15497337778
Conc: 701.75 ng/ml



#16 DCPA

R.T.: 11.779 min
Delta R.T.: -0.018 min
Response: 19887386232
Conc: 752.17 ng/ml



#16 DCPA

R.T.: 12.358 min
Delta R.T.: -0.009 min
Response: 15582198578
Conc: 761.48 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/11/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 09:10 **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
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
Dalapon	2.72	2.72	2.62	2.82	0.01
DICHLORPROP	8.26	8.28	8.18	8.38	0.02
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.48	11.50	11.40	11.60	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/11/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 09:10 **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
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.94	9.84	10.04	0.01
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.31	11.32	11.22	11.42	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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

Client Sample No.: CCAL03 **Date Analyzed:** 06/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030621.D **Time Analyzed:** 09:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.680	9.597	9.797	700.660	712.500	-1.7
2,4,5-TP(Silvex)	9.386	9.304	9.504	736.560	712.500	3.4
2,4-D	8.496	8.412	8.612	691.670	705.000	-1.9
2,4-DB	10.259	10.179	10.379	643.460	712.500	-9.7
2,4-DCAA	7.356	7.269	7.469	737.450	750.000	-1.7
Dalapon	2.715	2.616	2.816	690.220	682.500	1.1
DICAMBA	7.549	7.461	7.661	744.120	705.000	5.5
DICHLORPROP	8.264	8.179	8.379	713.190	705.000	1.2
Dinoseb	11.481	11.402	11.602	718.070	705.000	1.9

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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

Client Sample No.: CCAL03 **Date Analyzed:** 06/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030621.D **Time Analyzed:** 09:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.359	10.268	10.468	750.020	712.500	5.3
2,4,5-TP(Silvex)	9.932	9.842	10.042	754.780	712.500	5.9
2,4-D	9.026	8.934	9.134	740.500	705.000	5.0
2,4-DB	10.925	10.836	11.036	732.100	712.500	2.8
2,4-DCAA	7.768	7.674	7.874	751.350	750.000	0.2
Dalapon	2.711	2.610	2.810	681.600	682.500	-0.1
DICAMBA	7.971	7.877	8.077	750.620	705.000	6.5
DICHLORPROP	8.691	8.598	8.798	728.610	705.000	3.3
Dinoseb	11.311	11.221	11.421	752.930	705.000	6.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030621.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 09:10
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:45:47 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	7.356	7.768	2784.0E6	808.2E6	737.451m	751.351
	Target Compounds						
1) T	Dalapon	2.715	2.711	3897.7E6	1867.6E6	690.224	681.596
2) T	3,5-DICHL...	6.515	6.713	3925.0E6	1148.8E6	723.320	734.382
3) T	4-Nitroph...	7.157	7.299	1204.8E6	1198.1E6	656.995	764.454
5) T	DICAMBA	7.549	7.971	11476.3E6	4835.2E6	744.125	750.621
6) T	MCPP	7.730	8.070	781.1E6	171.5E6	78.862m	74.175
7) T	MCPA	7.881	8.320	901.2E6	214.6E6	71.018	69.553
8) T	DICHLORPROP	8.264	8.691	2594.7E6	1081.4E6	713.194	728.611
9) T	2,4-D	8.496	9.026	2520.2E6	1164.3E6	691.669	740.501
10) T	Pentachlo...	8.800	9.552	40024.2E6	28109.9E6	788.093m	777.847
11) T	2,4,5-TP ...	9.386	9.932	15221.0E6	10353.1E6	736.557	754.776
12) T	2,4,5-T	9.680	10.359	12913.9E6	9793.1E6	700.661	750.021
13) T	2,4-DB	10.259	10.925	1953.8E6	841.6E6	643.459	732.105
14) T	DINOSEB	11.481	11.311	10322.3E6	7567.0E6	718.075	752.928
15) T	Picloram	11.286	12.419	12863.8E6	16009.8E6	643.035m	724.955
16) T	DCPA	11.776	12.355	19915.3E6	15879.3E6	753.223	776.005m

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

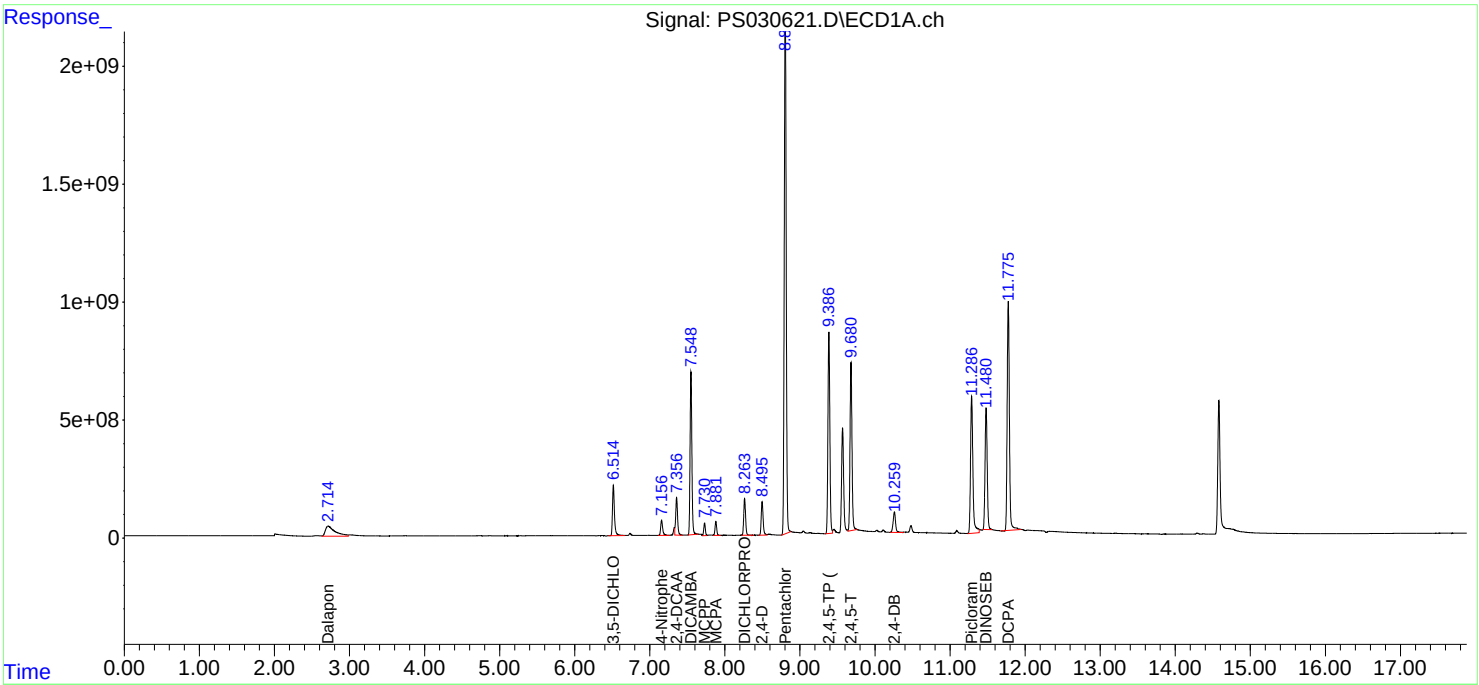
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030621.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 09:10
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

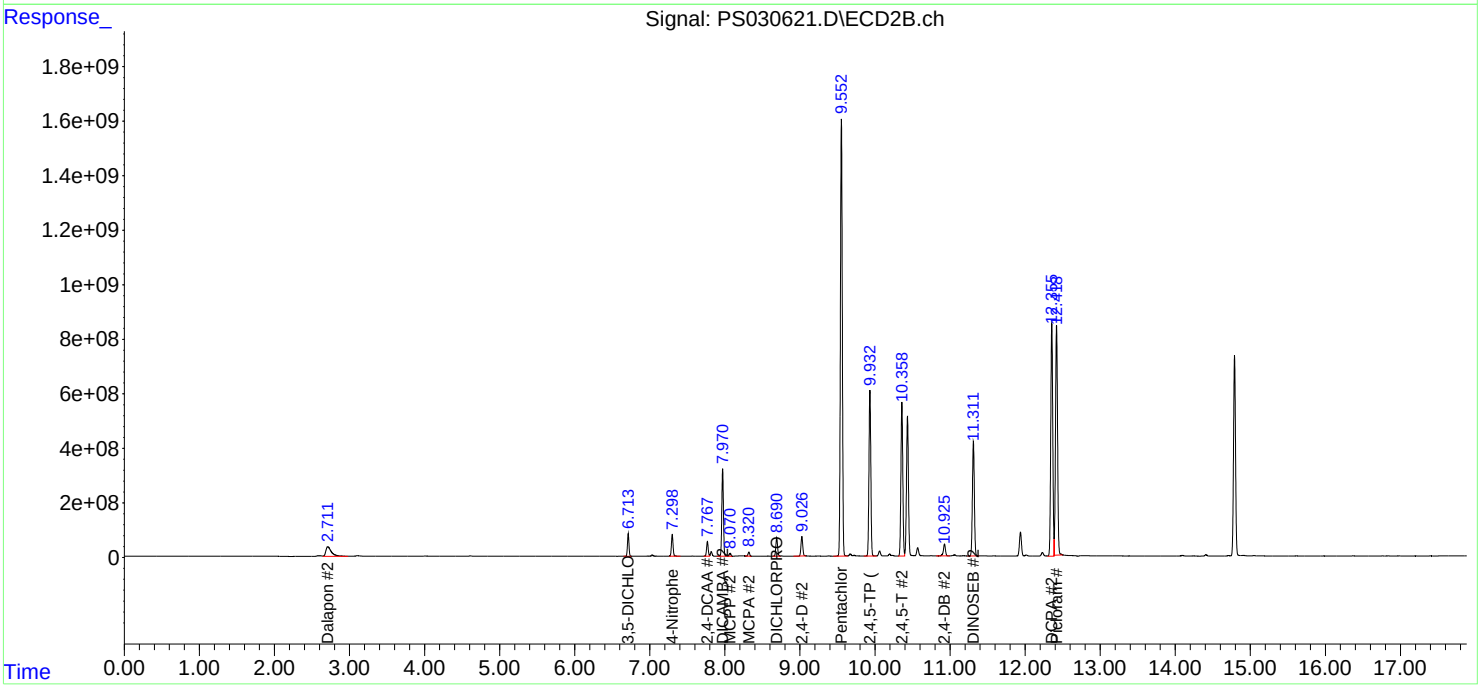
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

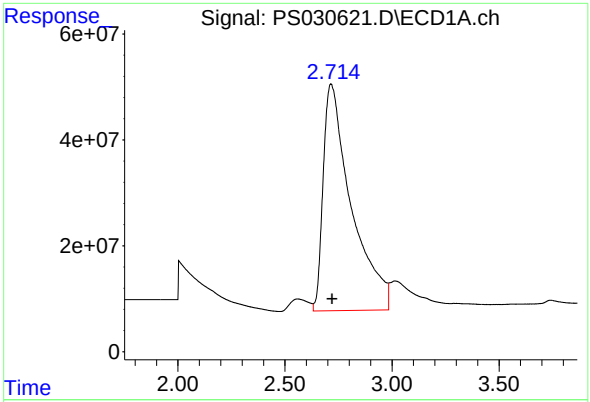
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:45:47 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 0.25µm







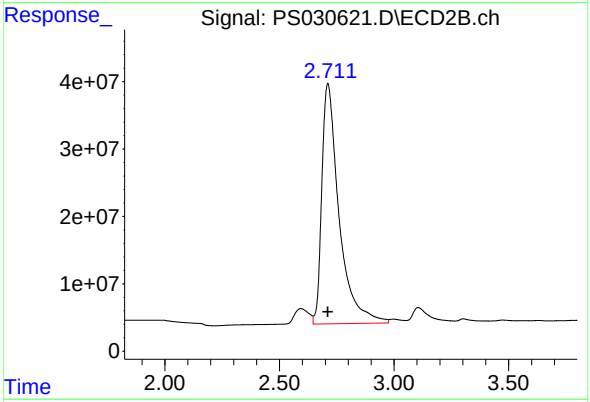
#1 Dalapon

R.T.: 2.715 min
Delta R.T.: -0.005 min
Response: 3897674888
Conc: 690.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

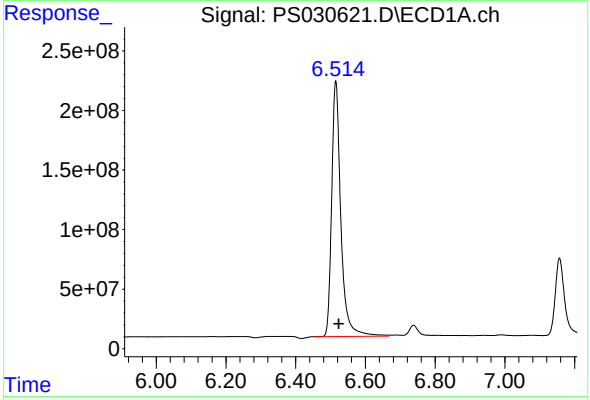
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



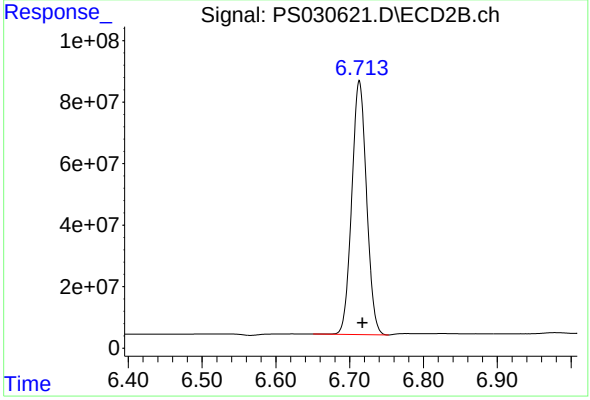
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 1867582277
Conc: 681.60 ng/ml



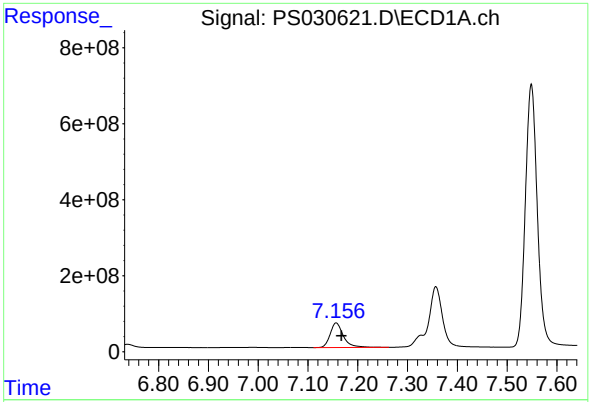
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.515 min
Delta R.T.: -0.009 min
Response: 3924988768
Conc: 723.32 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: -0.004 min
Response: 1148755828
Conc: 734.38 ng/ml



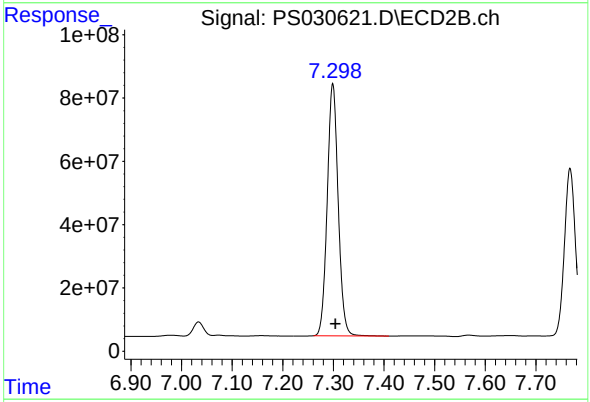
#3 4-Nitrophenol

R.T.: 7.157 min
Delta R.T.: -0.010 min
Response: 1204768951
Conc: 657.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

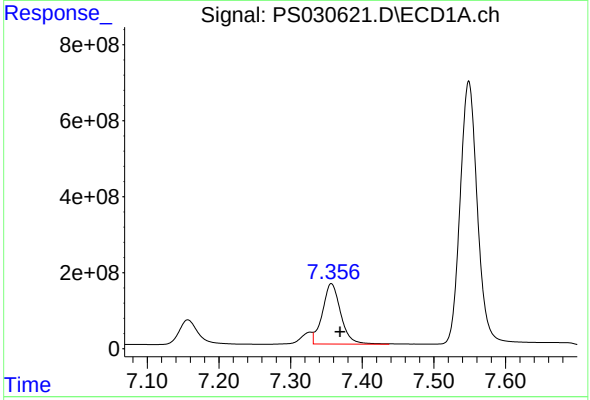
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



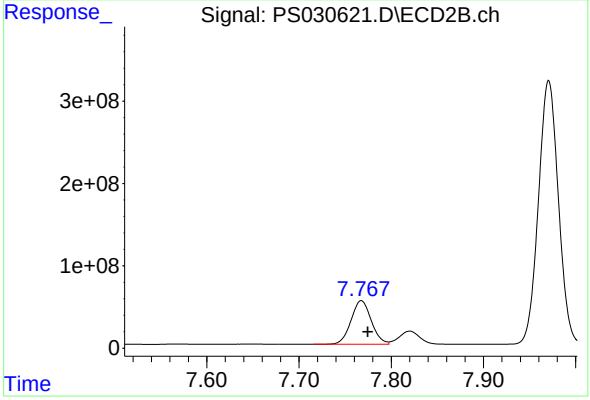
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.005 min
Response: 1198084228
Conc: 764.45 ng/ml



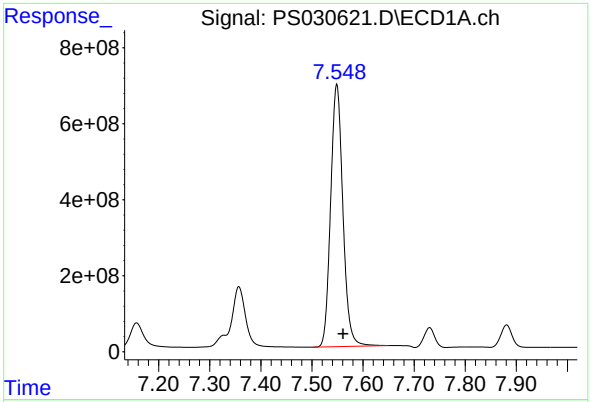
#4 2,4-DCAA

R.T.: 7.356 min
Delta R.T.: -0.013 min
Response: 2783986048
Conc: 737.45 ng/ml m



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: -0.007 min
Response: 808161104
Conc: 751.35 ng/ml



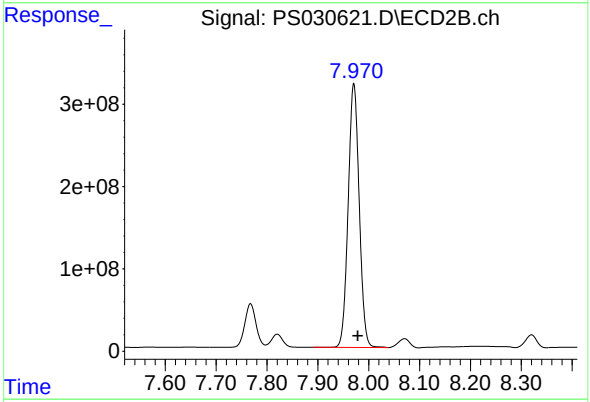
#5 DICAMBA

R.T.: 7.549 min
Delta R.T.: -0.013 min
Response: 11476294488
Conc: 744.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

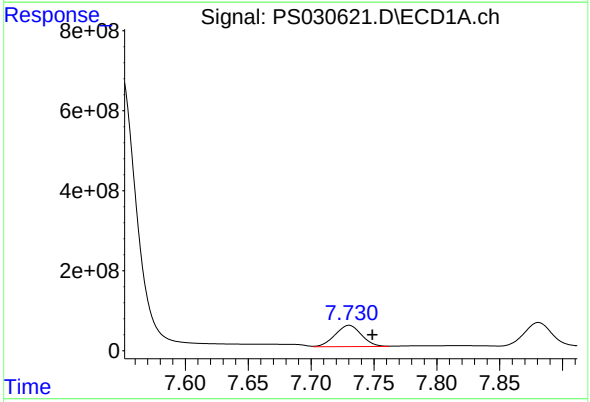
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



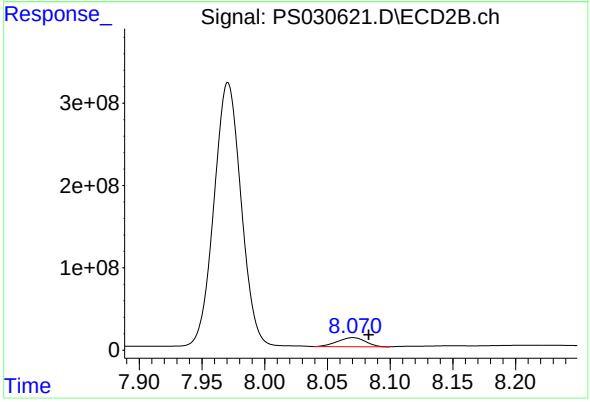
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: -0.008 min
Response: 4835233063
Conc: 750.62 ng/ml



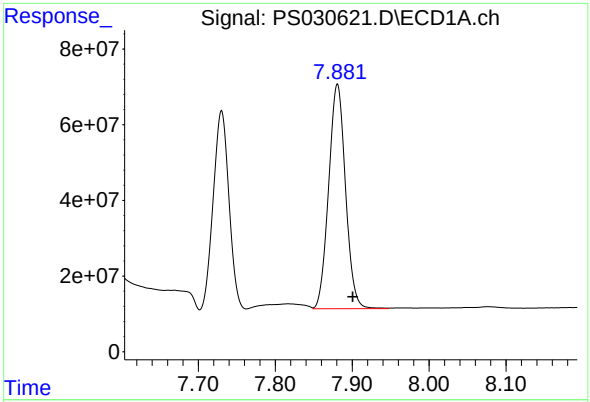
#6 MCPP

R.T.: 7.730 min
Delta R.T.: -0.019 min
Response: 781118352
Conc: 78.86 ug/ml m



#6 MCPP

R.T.: 8.070 min
Delta R.T.: -0.013 min
Response: 171463089
Conc: 74.18 ug/ml



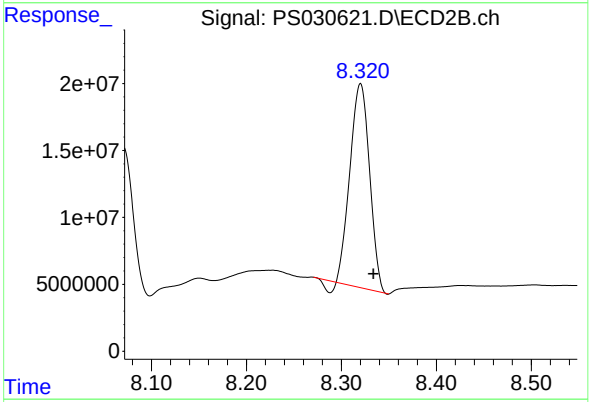
#7 MCPA

R.T.: 7.881 min
Delta R.T.: -0.020 min
Response: 901172786
Conc: 71.02 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

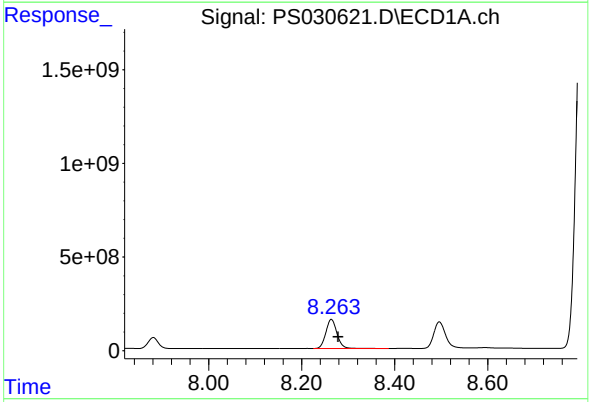
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



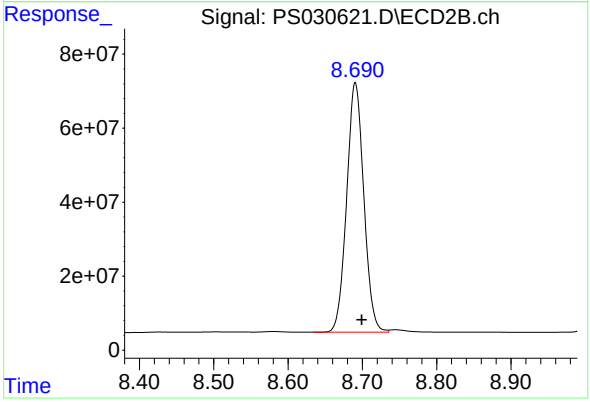
#7 MCPA

R.T.: 8.320 min
Delta R.T.: -0.014 min
Response: 214633897
Conc: 69.55 ug/ml



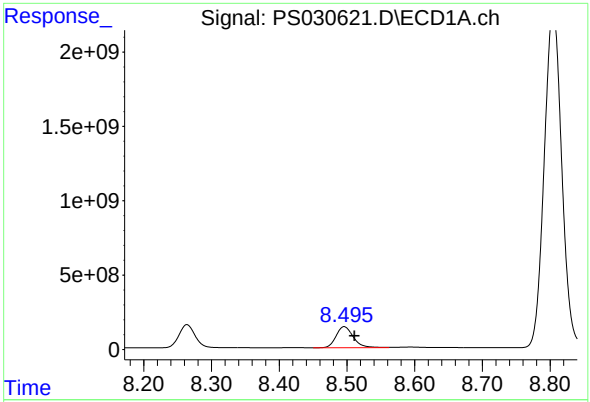
#8 DICHLORPROP

R.T.: 8.264 min
Delta R.T.: -0.015 min
Response: 2594705251
Conc: 713.19 ng/ml



#8 DICHLORPROP

R.T.: 8.691 min
Delta R.T.: -0.008 min
Response: 1081406720
Conc: 728.61 ng/ml



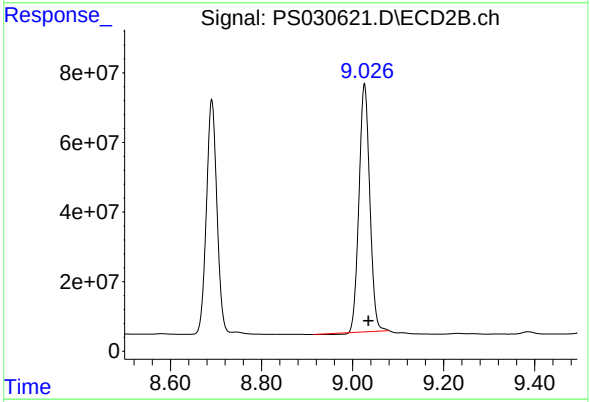
#9 2,4-D

R.T.: 8.496 min
Delta R.T.: -0.015 min
Response: 2520172358
Conc: 691.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

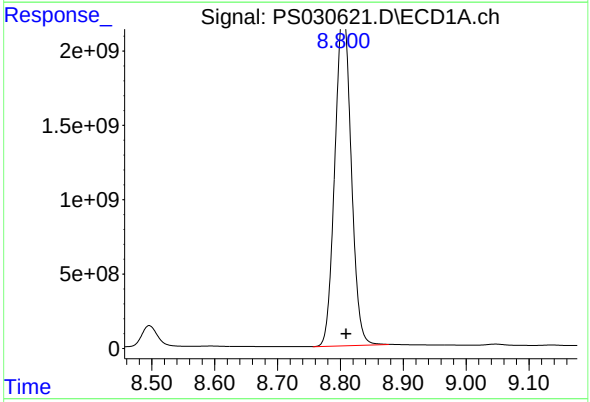
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



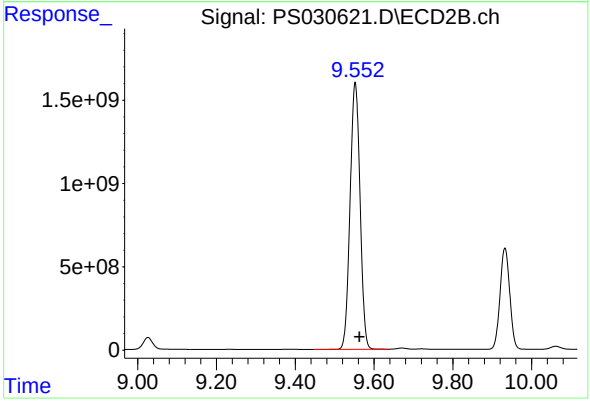
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: -0.008 min
Response: 1164305210
Conc: 740.50 ng/ml



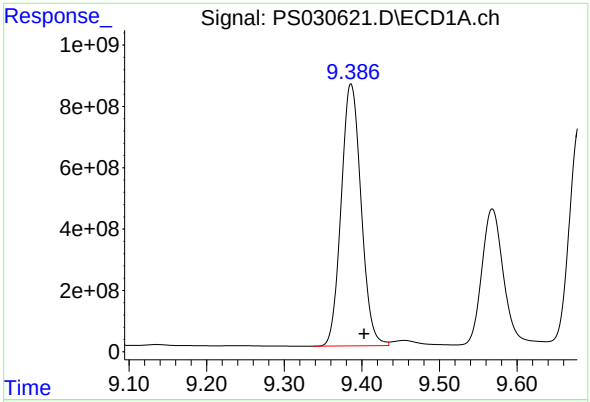
#10 Pentachlorophenol

R.T.: 8.800 min
Delta R.T.: -0.009 min
Response: 40024223374
Conc: 788.09 ng/ml m



#10 Pentachlorophenol

R.T.: 9.552 min
Delta R.T.: -0.011 min
Response: 28109861432
Conc: 777.85 ng/ml



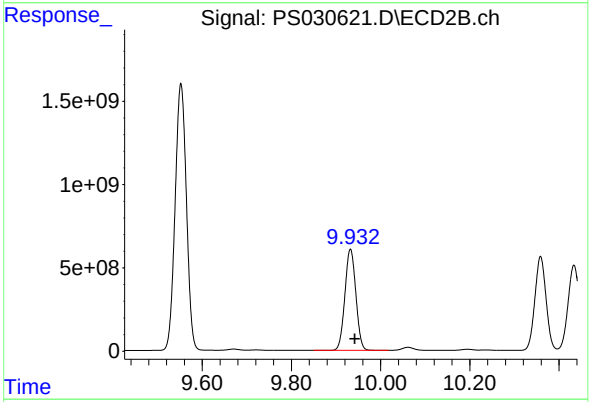
#11 2,4,5-TP (SILVEX)

R.T.: 9.386 min
Delta R.T.: -0.017 min
Response: 15221014221
Conc: 736.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

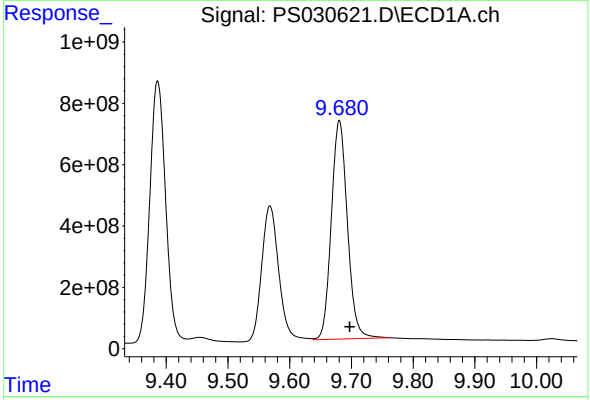
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



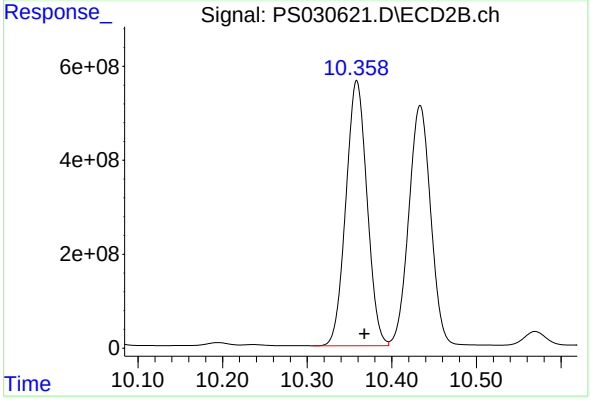
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: -0.010 min
Response: 10353072968
Conc: 754.78 ng/ml



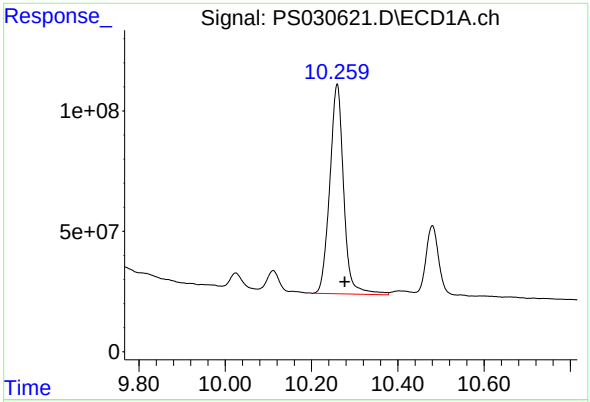
#12 2,4,5-T

R.T.: 9.680 min
Delta R.T.: -0.017 min
Response: 12913935374
Conc: 700.66 ng/ml



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: -0.009 min
Response: 9793119224
Conc: 750.02 ng/ml



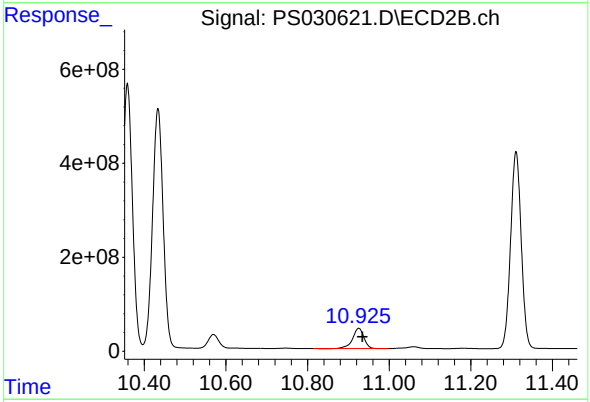
#13 2,4-DB

R.T.: 10.259 min
Delta R.T.: -0.018 min
Response: 1953774389
Conc: 643.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

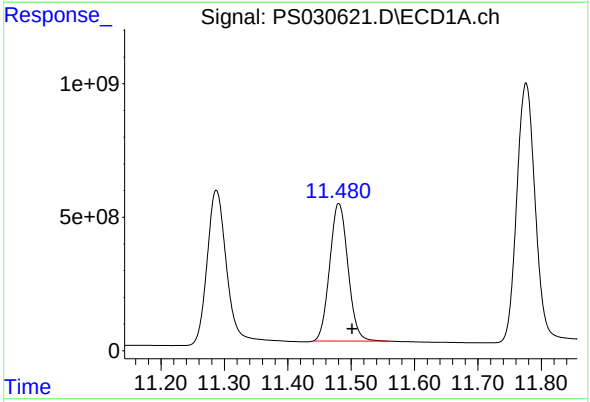
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



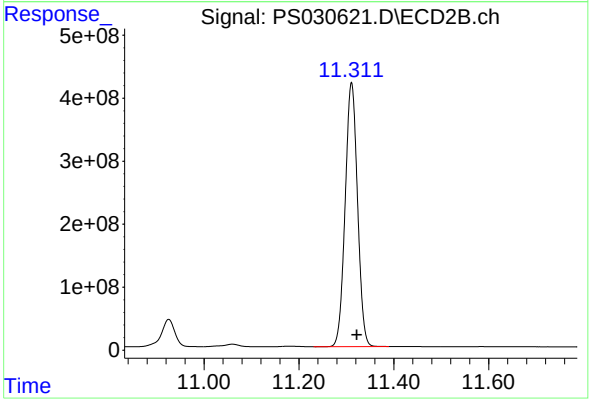
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: -0.010 min
Response: 841592901
Conc: 732.10 ng/ml



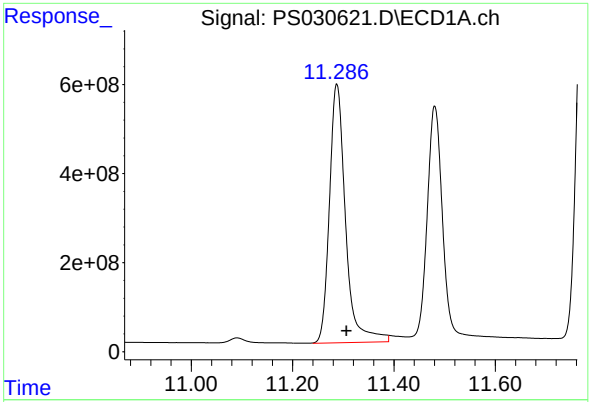
#14 DINOSEB

R.T.: 11.481 min
Delta R.T.: -0.021 min
Response: 10322276505
Conc: 718.07 ng/ml



#14 DINOSEB

R.T.: 11.311 min
Delta R.T.: -0.011 min
Response: 7567014122
Conc: 752.93 ng/ml



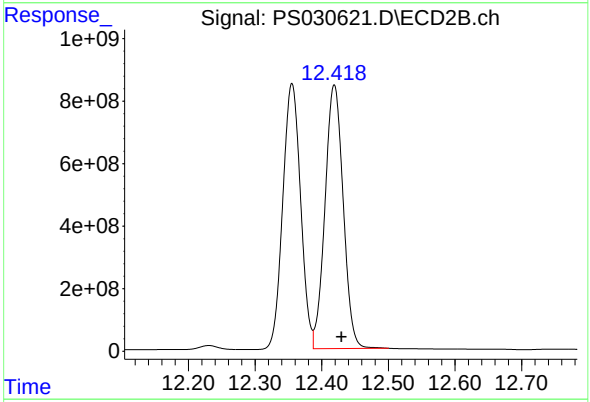
#15 Picloram

R.T.: 11.286 min
Delta R.T.: -0.020 min
Response: 12863797613
Conc: 643.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

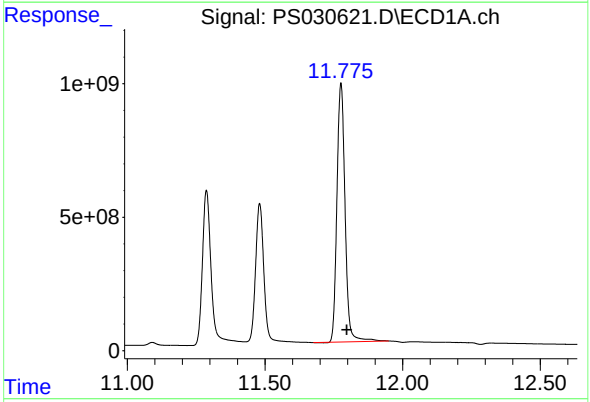
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



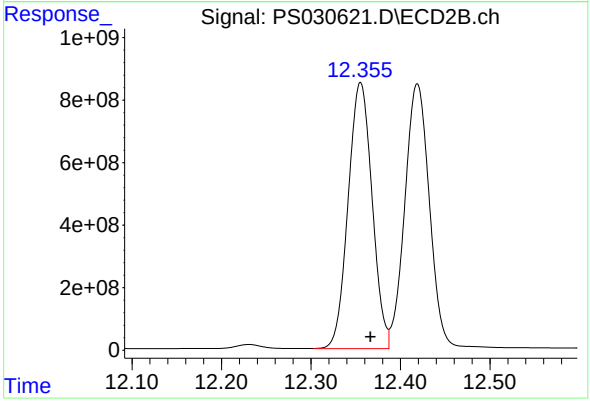
#15 Picloram

R.T.: 12.419 min
Delta R.T.: -0.011 min
Response: 16009825293
Conc: 724.96 ng/ml



#16 DCPA

R.T.: 11.776 min
Delta R.T.: -0.021 min
Response: 19915284632
Conc: 753.22 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: -0.012 min
Response: 15879343010
Conc: 776.01 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/11/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 15:32 **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
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
Dalapon	2.71	2.72	2.62	2.82	0.01
DICHLORPROP	8.26	8.28	8.18	8.38	0.02
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.48	11.50	11.40	11.60	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/11/2025 **Initial Calibration Date(s):** 06/04/2025 06/04/2025

Continuing Calib Time: 15:32 **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
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.01
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.94	9.84	10.04	0.01
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.92	10.94	10.84	11.04	0.02
Dinoseb	11.31	11.32	11.22	11.42	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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

Client Sample No.: CCAL04 **Date Analyzed:** 06/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030630.D **Time Analyzed:** 15:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.681	9.597	9.797	676.850	712.500	-5.0
2,4,5-TP(Silvex)	9.387	9.304	9.504	708.950	712.500	-0.5
2,4-D	8.497	8.412	8.612	682.320	705.000	-3.2
2,4-DB	10.261	10.179	10.379	625.670	712.500	-12.2
2,4-DCAA	7.357	7.269	7.469	709.420	750.000	-5.4
Dalapon	2.711	2.616	2.816	692.990	682.500	1.5
DICAMBA	7.548	7.461	7.661	710.810	705.000	0.8
DICHLORPROP	8.264	8.179	8.379	679.350	705.000	-3.6
Dinoseb	11.482	11.402	11.602	690.760	705.000	-2.0

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

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

Client Sample No.: CCAL04 **Date Analyzed:** 06/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030630.D **Time Analyzed:** 15:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.357	10.268	10.468	722.370	712.500	1.4
2,4,5-TP(Silvex)	9.931	9.842	10.042	724.770	712.500	1.7
2,4-D	9.023	8.934	9.134	714.950	705.000	1.4
2,4-DB	10.924	10.836	11.036	701.440	712.500	-1.6
2,4-DCAA	7.765	7.674	7.874	726.420	750.000	-3.1
Dalapon	2.707	2.610	2.810	673.700	682.500	-1.3
DICAMBA	7.968	7.877	8.077	715.390	705.000	1.5
DICHLORPROP	8.688	8.598	8.798	694.620	705.000	-1.5
Dinoseb	11.310	11.221	11.421	720.260	705.000	2.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 15:32
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 03:16:16 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	7.357	7.765	2678.2E6	781.3E6	709.422m	726.416
		Target Compounds						
1)	T	Dalapon	2.711	2.707	3913.3E6	1845.9E6	692.985	673.699
2)	T	3,5-DICHL...	6.514	6.710	3730.7E6	1101.5E6	687.515	704.159
3)	T	4-Nitroph...	7.156	7.296	1155.2E6	1150.1E6	629.982	733.862
5)	T	DICAMBA	7.548	7.968	10962.5E6	4608.3E6	710.811	715.393
6)	T	MCPP	7.730	8.068	713.6E6	158.8E6	72.048m	68.680
7)	T	MCPA	7.881	8.317	856.1E6	198.6E6	67.464	64.371
8)	T	DICHLORPROP	8.264	8.688	2471.6E6	1031.0E6	679.349	694.625
9)	T	2,4-D	8.497	9.023	2486.1E6	1124.1E6	682.316	714.950
10)	T	Pentachlo...	8.802	9.550	38880.1E6	26983.0E6	765.565m	746.664
11)	T	2,4,5-TP ...	9.387	9.931	14650.6E6	9941.4E6	708.952	724.765
12)	T	2,4,5-T	9.681	10.357	12475.0E6	9432.0E6	676.848	722.368
13)	T	2,4-DB	10.261	10.924	1899.8E6	806.3E6	625.666	701.440
14)	T	DINOSEB	11.482	11.310	9929.6E6	7238.7E6	690.759	720.259
15)	T	Picloram	11.289	12.418	12295.2E6	15645.9E6	614.611m	708.475
16)	T	DCPA	11.778	12.354	19129.6E6	15422.6E6	723.508	753.685

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

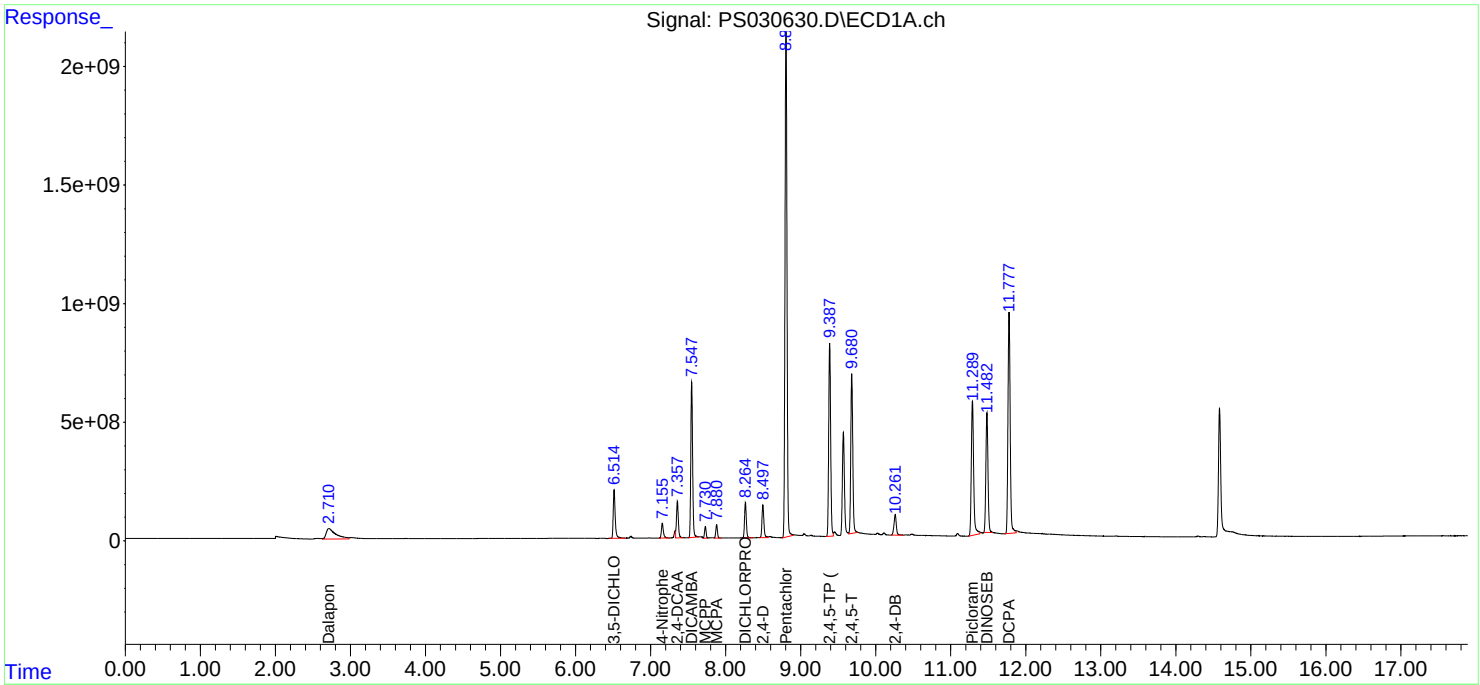
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 15:32
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

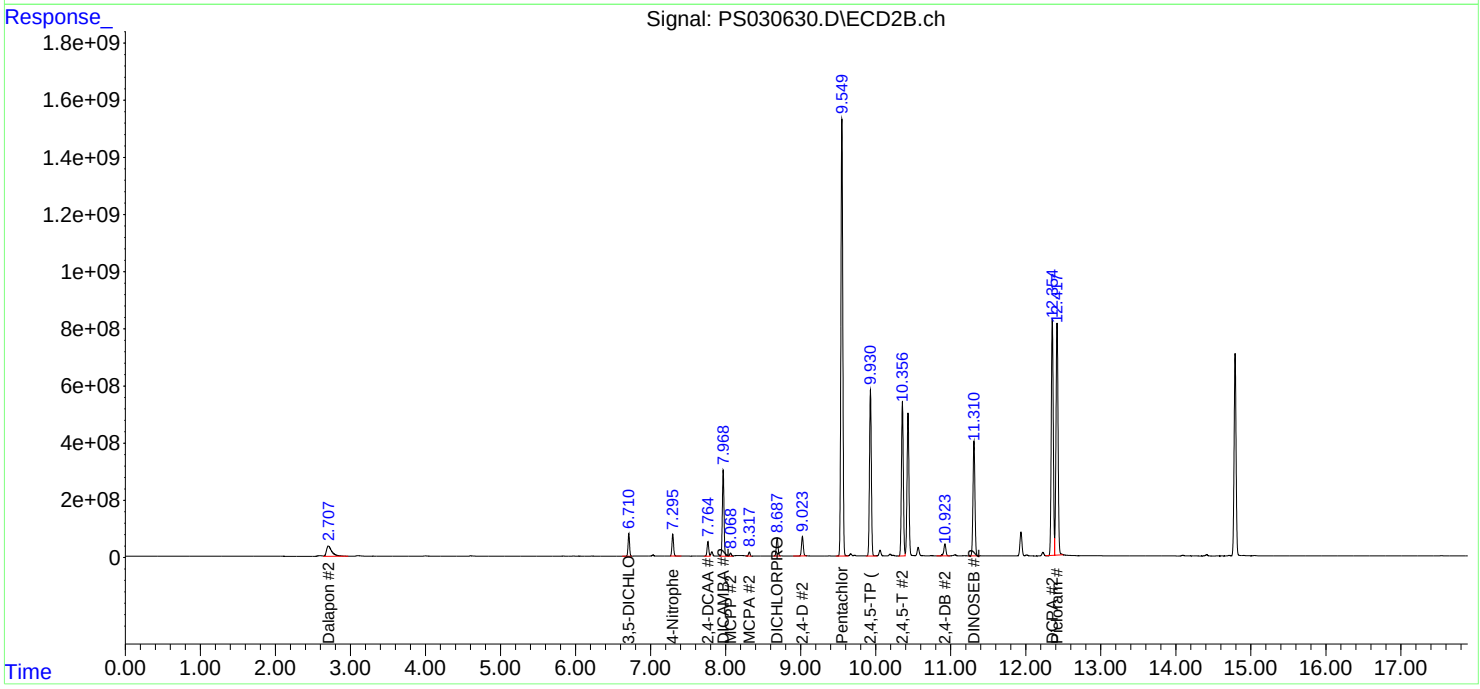
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

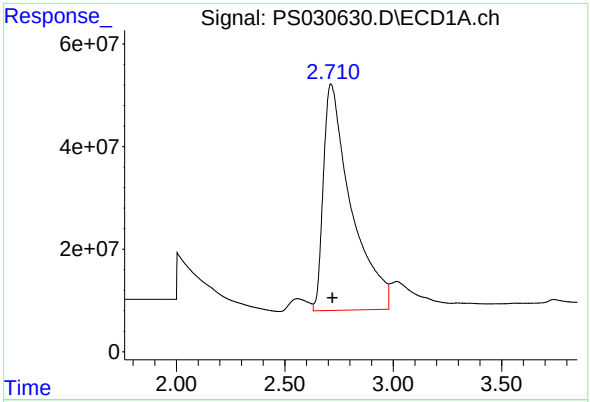
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 03:16:16 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 0.25µm







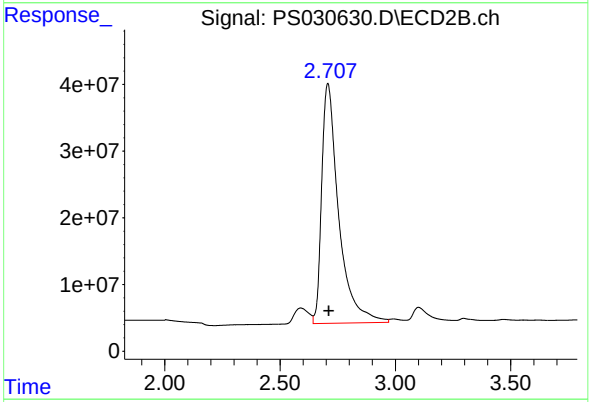
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: -0.009 min
Response: 3913267124
Conc: 692.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

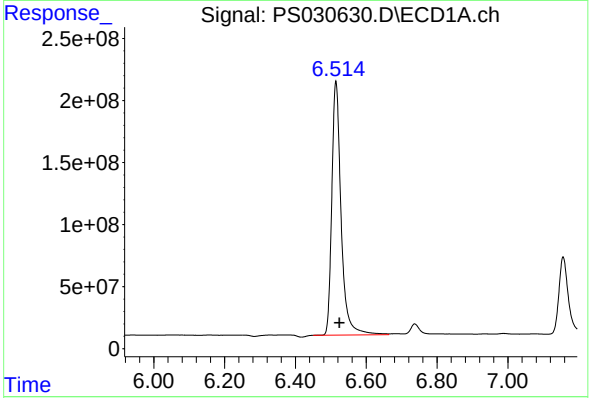
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



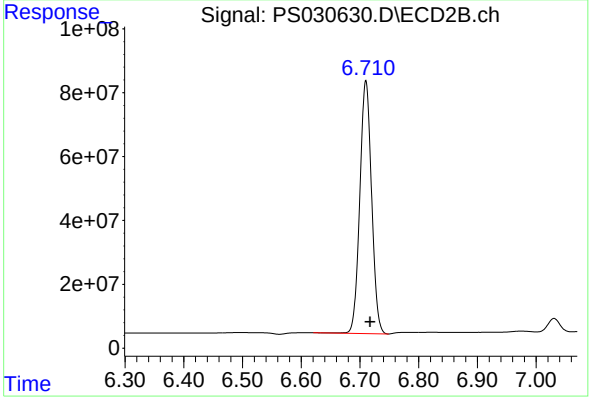
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: -0.003 min
Response: 1845944536
Conc: 673.70 ng/ml



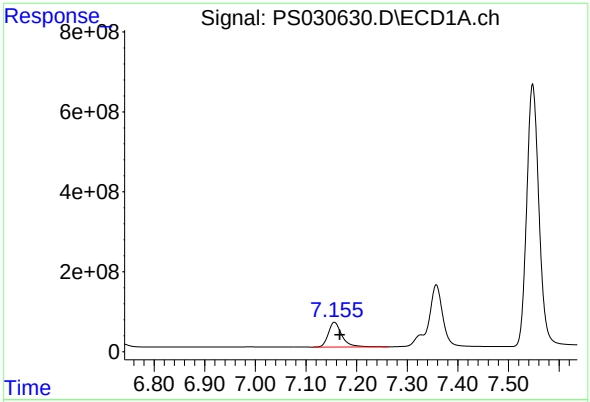
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.514 min
Delta R.T.: -0.010 min
Response: 3730696759
Conc: 687.51 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.710 min
Delta R.T.: -0.007 min
Response: 1101479134
Conc: 704.16 ng/ml



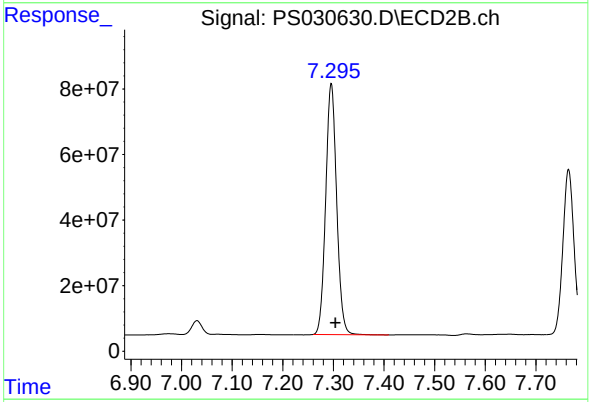
#3 4-Nitrophenol

R.T.: 7.156 min
Delta R.T.: -0.011 min
Response: 1155233179
Conc: 629.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

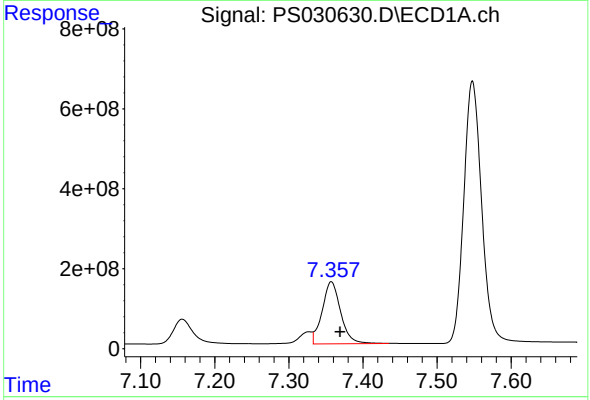
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



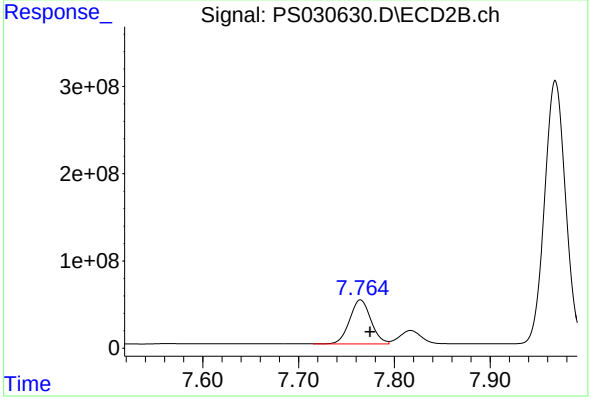
#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: -0.008 min
Response: 1150140399
Conc: 733.86 ng/ml



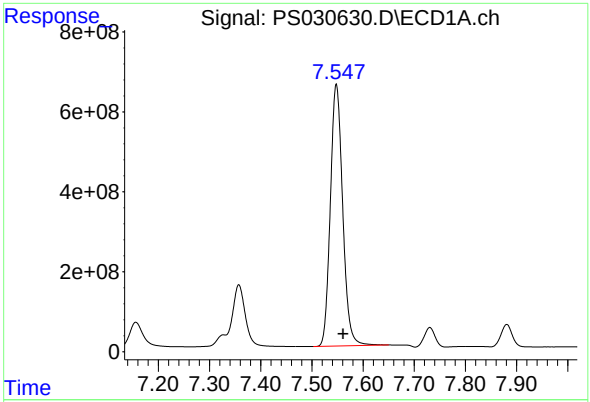
#4 2,4-DCAA

R.T.: 7.357 min
Delta R.T.: -0.012 min
Response: 2678171732
Conc: 709.42 ng/ml m



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.010 min
Response: 781340122
Conc: 726.42 ng/ml



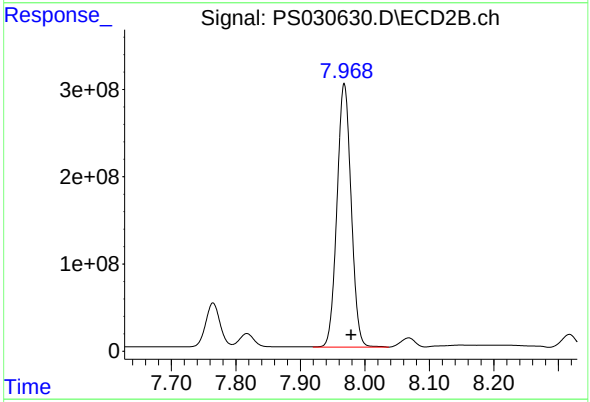
#5 DICAMBA

R.T.: 7.548 min
Delta R.T.: -0.014 min
Response: 10962503521
Conc: 710.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

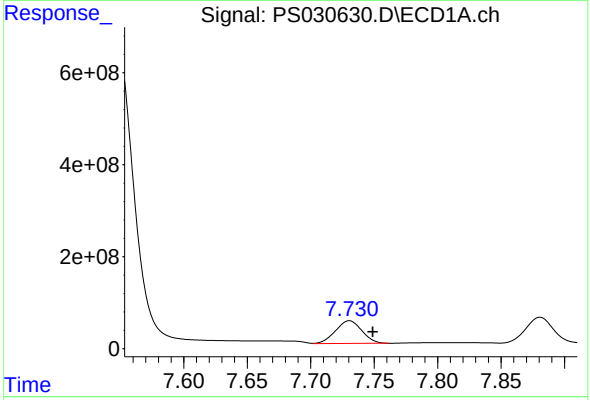
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



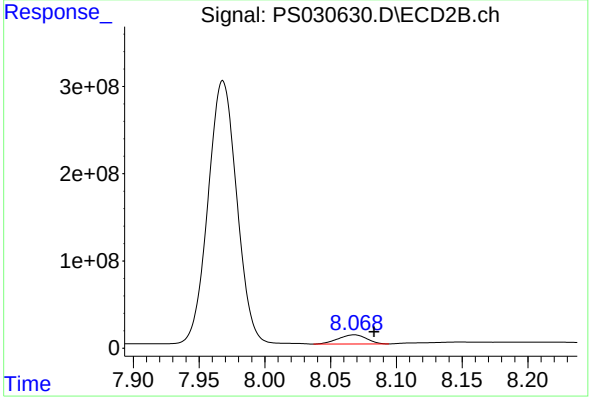
#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: -0.010 min
Response: 4608307460
Conc: 715.39 ng/ml



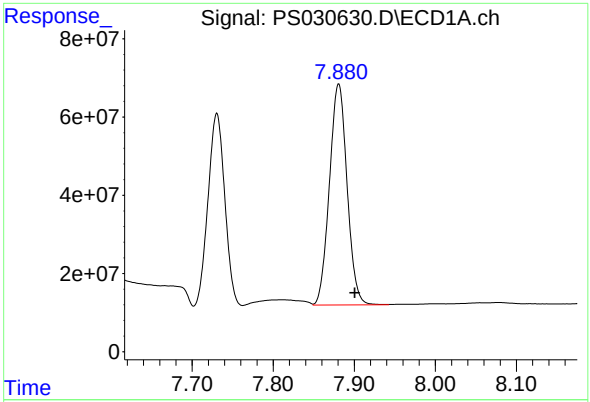
#6 MCPP

R.T.: 7.730 min
Delta R.T.: -0.019 min
Response: 713632217
Conc: 72.05 ug/ml m



#6 MCPP

R.T.: 8.068 min
Delta R.T.: -0.015 min
Response: 158760870
Conc: 68.68 ug/ml



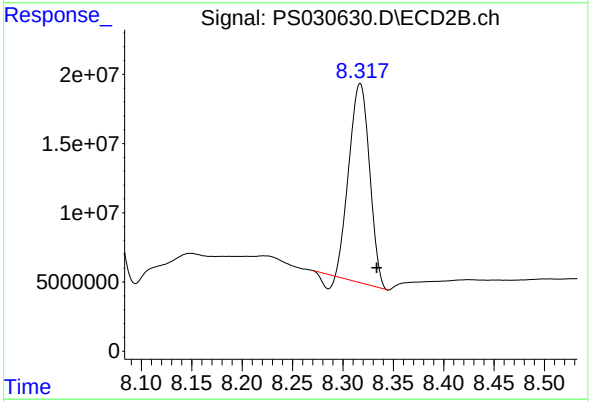
#7 MCPA

R.T.: 7.881 min
Delta R.T.: -0.020 min
Response: 856073075
Conc: 67.46 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

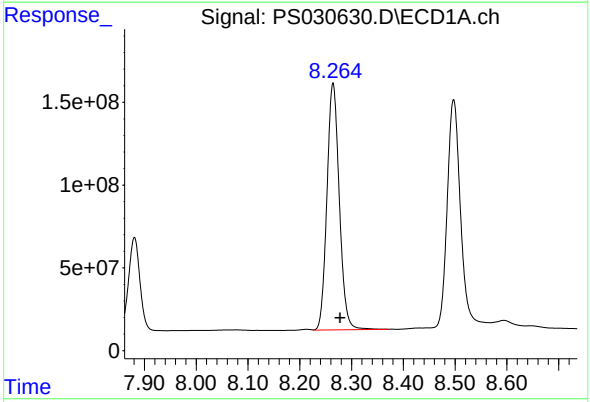
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



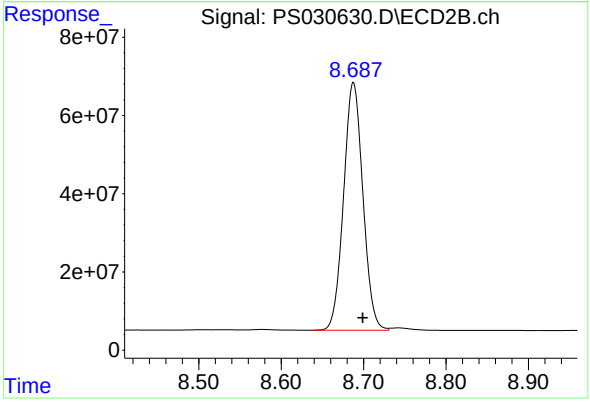
#7 MCPA

R.T.: 8.317 min
Delta R.T.: -0.017 min
Response: 198644627
Conc: 64.37 ug/ml



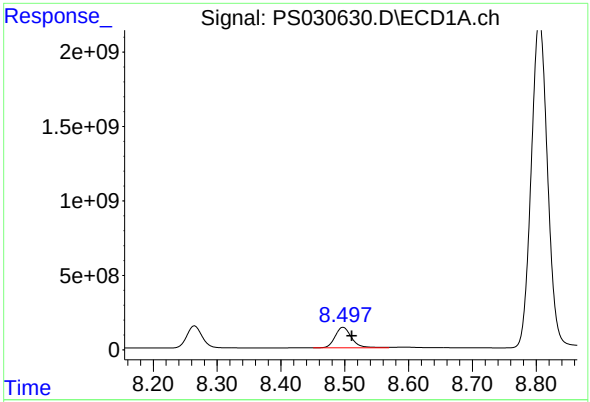
#8 DICHLORPROP

R.T.: 8.264 min
Delta R.T.: -0.014 min
Response: 2471569551
Conc: 679.35 ng/ml



#8 DICHLORPROP

R.T.: 8.688 min
Delta R.T.: -0.011 min
Response: 1030964760
Conc: 694.62 ng/ml



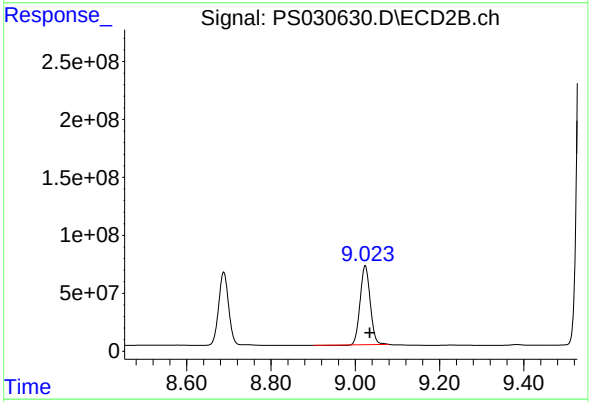
#9 2,4-D

R.T.: 8.497 min
Delta R.T.: -0.014 min
Response: 2486095711
Conc: 682.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

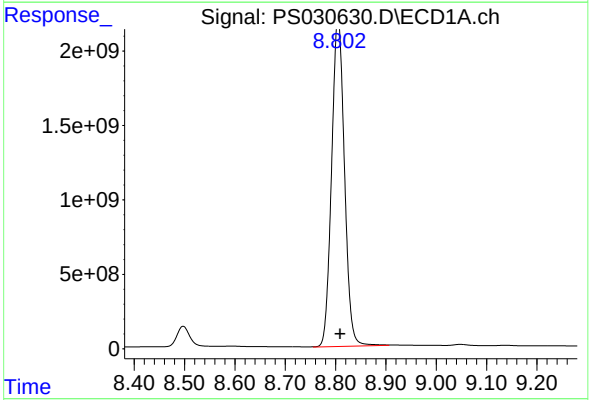
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



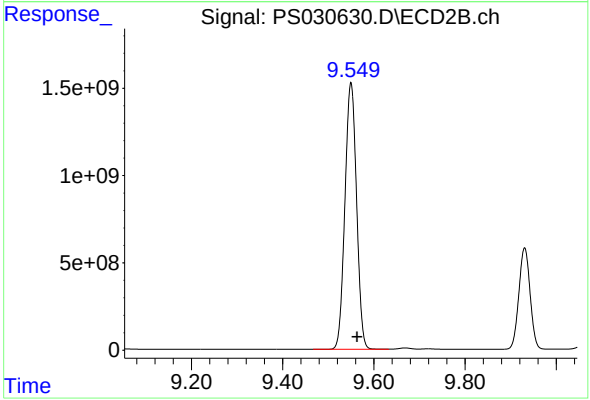
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: -0.011 min
Response: 1124131417
Conc: 714.95 ng/ml



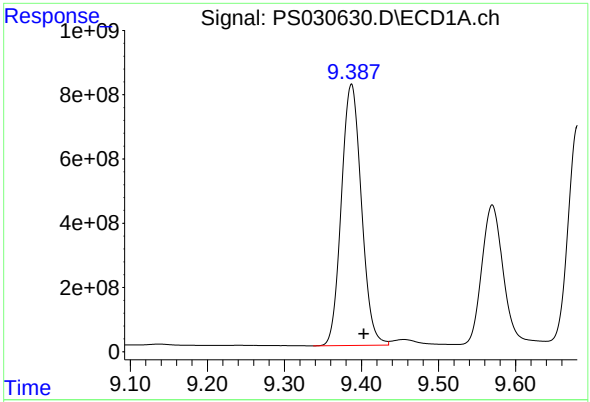
#10 Pentachlorophenol

R.T.: 8.802 min
Delta R.T.: -0.007 min
Response: 38880145828
Conc: 765.57 ng/ml m



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: -0.013 min
Response: 26982972443
Conc: 746.66 ng/ml



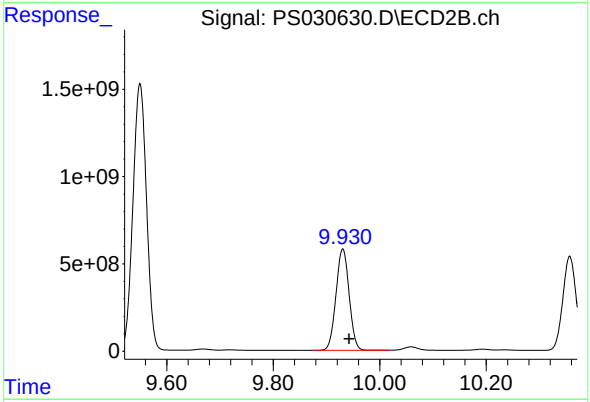
#11 2,4,5-TP (SILVEX)

R.T.: 9.387 min
Delta R.T.: -0.016 min
Response: 14650562230
Conc: 708.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

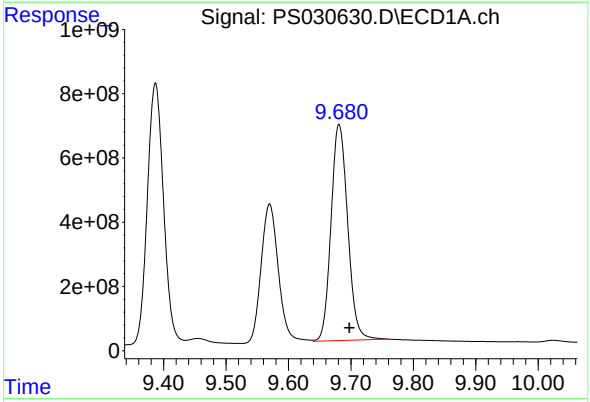
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



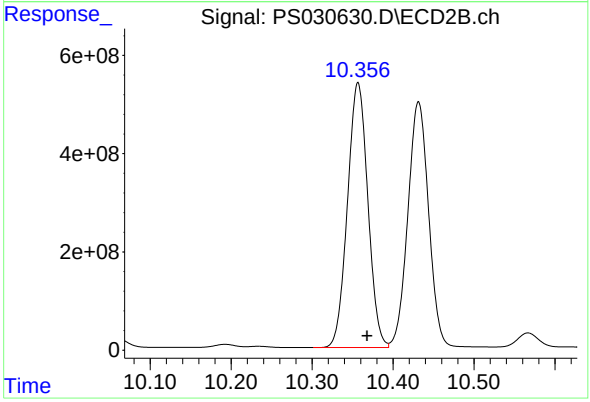
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: -0.012 min
Response: 9941417568
Conc: 724.77 ng/ml



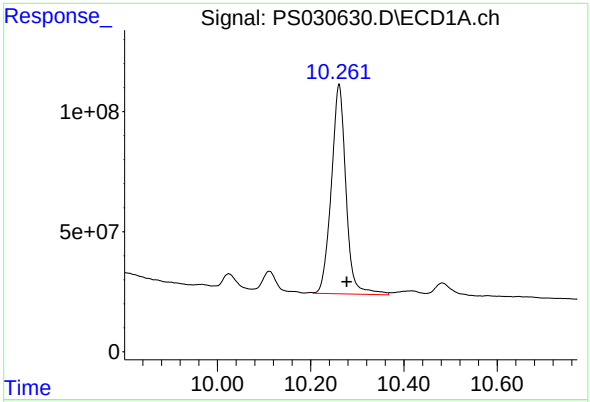
#12 2,4,5-T

R.T.: 9.681 min
Delta R.T.: -0.016 min
Response: 12475027972
Conc: 676.85 ng/ml



#12 2,4,5-T

R.T.: 10.357 min
Delta R.T.: -0.011 min
Response: 9432048215
Conc: 722.37 ng/ml



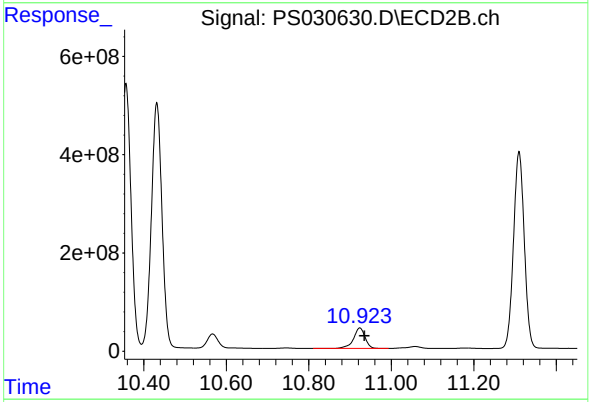
#13 2,4-DB

R.T.: 10.261 min
Delta R.T.: -0.016 min
Response: 1899750961
Conc: 625.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

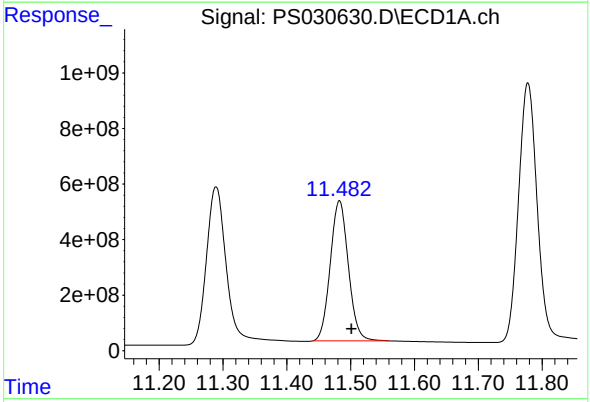
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



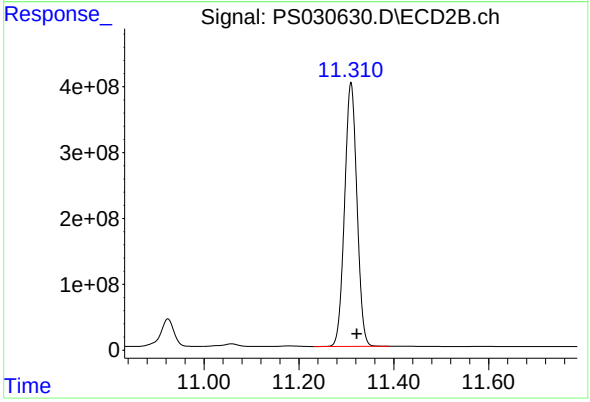
#13 2,4-DB

R.T.: 10.924 min
Delta R.T.: -0.011 min
Response: 806342242
Conc: 701.44 ng/ml



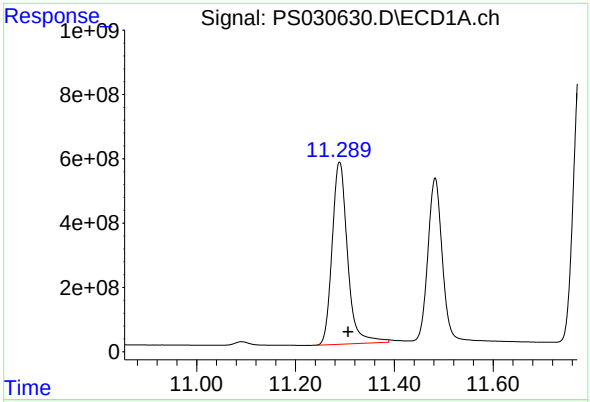
#14 DINOSEB

R.T.: 11.482 min
Delta R.T.: -0.019 min
Response: 9929611706
Conc: 690.76 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: -0.012 min
Response: 7238689666
Conc: 720.26 ng/ml



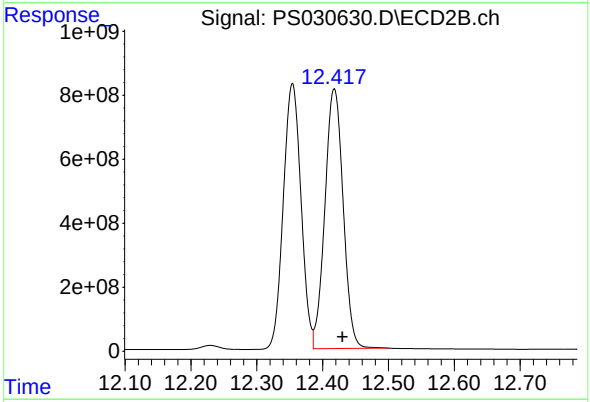
#15 Picloram

R.T.: 11.289 min
Delta R.T.: -0.018 min
Response: 12295173724
Conc: 614.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

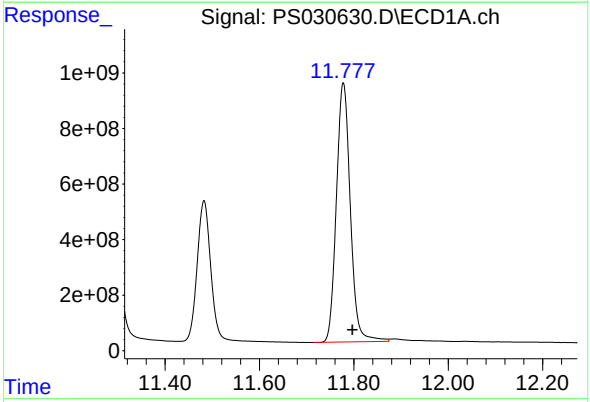
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



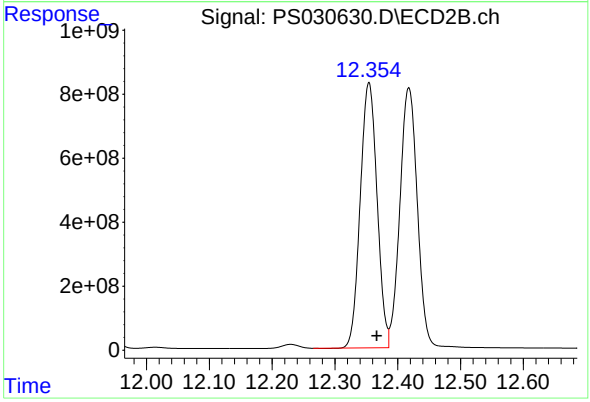
#15 Picloram

R.T.: 12.418 min
Delta R.T.: -0.012 min
Response: 15645874182
Conc: 708.47 ng/ml



#16 DCPA

R.T.: 11.778 min
Delta R.T.: -0.019 min
Response: 19129633163
Conc: 723.51 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: -0.012 min
Response: 15422610169
Conc: 753.69 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/16/2025 **Initial Calibration Date(s):** 06/16/2025 06/16/2025

Continuing Calib Time: 13:11 **Initial Calibration Time(s):** 09:56 11:33

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.54	7.54	7.44	7.64	0.00
2,4-DCAA	7.35	7.35	7.25	7.45	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.26	8.26	8.16	8.36	0.00
2,4-D	8.49	8.49	8.39	8.59	0.00
2,4,5-TP(Silvex)	9.38	9.38	9.28	9.48	0.00
2,4,5-T	9.67	9.67	9.57	9.77	0.00
2,4-DB	10.25	10.25	10.15	10.35	0.00
Dinoseb	11.47	11.47	11.37	11.57	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/16/2025 **Initial Calibration Date(s):** 06/16/2025 06/16/2025

Continuing Calib Time: 13:11 **Initial Calibration Time(s):** 09:56 11:33

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/16/2025 06/16/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/16/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030688.D **Time Analyzed:** 13:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.672	9.571	9.771	690.770	712.500	-3.0
2,4,5-TP(Silvex)	9.378	9.277	9.477	686.350	712.500	-3.7
2,4-D	8.488	8.388	8.588	663.780	705.000	-5.8
2,4-DB	10.251	10.150	10.350	688.140	712.500	-3.4
2,4-DCAA	7.350	7.250	7.450	686.030	750.000	-8.5
Dalapon	2.708	2.609	2.809	644.390	682.500	-5.6
DICAMBA	7.541	7.442	7.642	670.460	705.000	-4.9
DICHLORPROP	8.256	8.156	8.356	648.520	705.000	-8.0
Dinoseb	11.471	11.370	11.570	677.450	705.000	-3.9

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/16/2025 06/16/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/16/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030688.D **Time Analyzed:** 13:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.358	10.258	10.458	679.470	712.500	-4.6
2,4,5-TP(Silvex)	9.932	9.832	10.032	681.170	712.500	-4.4
2,4-D	9.025	8.926	9.126	661.470	705.000	-6.2
2,4-DB	10.925	10.825	11.025	666.500	712.500	-6.5
2,4-DCAA	7.768	7.668	7.868	699.780	750.000	-6.7
Dalapon	2.709	2.609	2.809	641.890	682.500	-6.0
DICAMBA	7.971	7.871	8.071	671.470	705.000	-4.8
DICHLORPROP	8.689	8.590	8.790	664.040	705.000	-5.8
Dinoseb	11.310	11.211	11.411	672.250	705.000	-4.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 13:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 14:07:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.350	7.768	2580.0E6	755.5E6	686.032m	699.781
	Target Compounds						
1) T	Dalapon	2.708	2.709	4030.5E6	1806.4E6	644.388	641.887
2) T	3,5-DICHL...	6.509	6.714	3554.1E6	1054.4E6	653.682	651.790
3) T	4-Nitroph...	7.150	7.299	1054.1E6	1103.7E6	646.559	647.396
5) T	DICAMBA	7.541	7.971	10489.8E6	4452.2E6	670.465	671.474
6) T	MCPP	7.723	8.070	669.5E6	153.6E6	70.391	69.774
7) T	MCPA	7.874	8.319	813.6E6	216.7E6	68.268	67.592
8) T	DICHLORPROP	8.256	8.689	2383.5E6	1017.6E6	648.525	664.043
9) T	2,4-D	8.488	9.025	2257.1E6	1108.9E6	663.777	661.468
10) T	Pentachlo...	8.797	9.551	37147.6E6	26373.4E6	718.656	695.208
11) T	2,4,5-TP ...	9.378	9.932	13731.6E6	9778.0E6	686.348	681.174
12) T	2,4,5-T	9.672	10.358	11486.1E6	9368.8E6	690.769	679.466
13) T	2,4-DB	10.251	10.925	1700.5E6	790.8E6	688.139	666.496
14) T	DINOSEB	11.471	11.310	9593.7E6	7366.1E6	677.452	672.251
15) T	Picloram	11.280	12.419	11471.7E6	16510.7E6	687.085	688.641
16) T	DCPA	11.765	12.354	18042.6E6	14808.0E6	694.609	689.529m

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

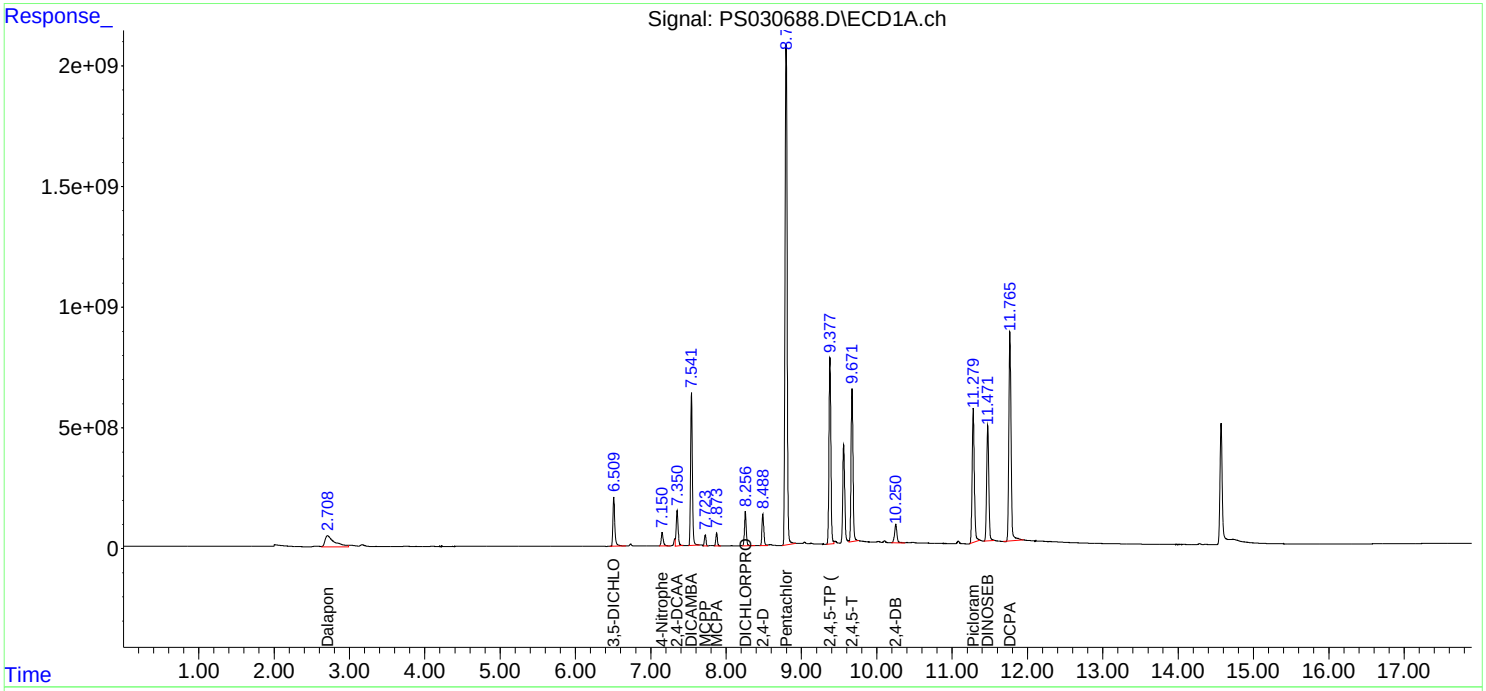
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 13:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

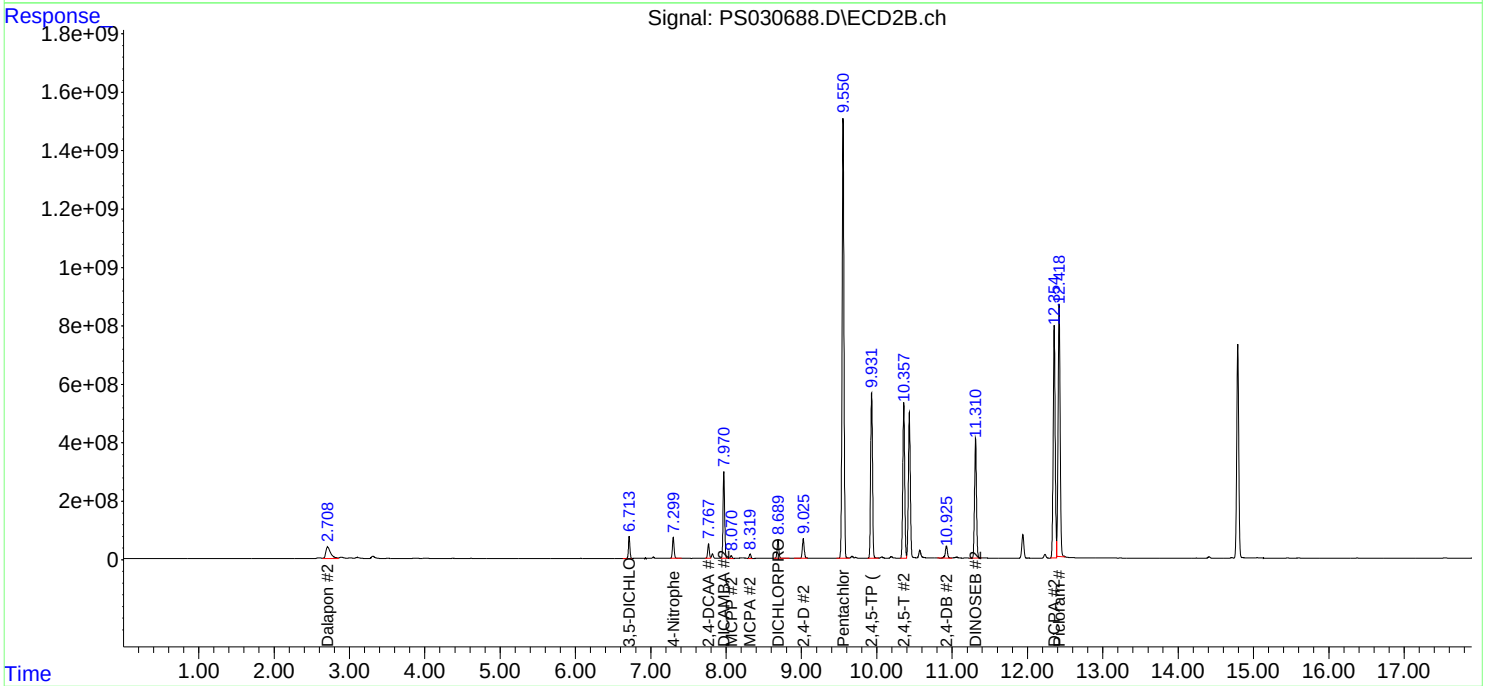
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

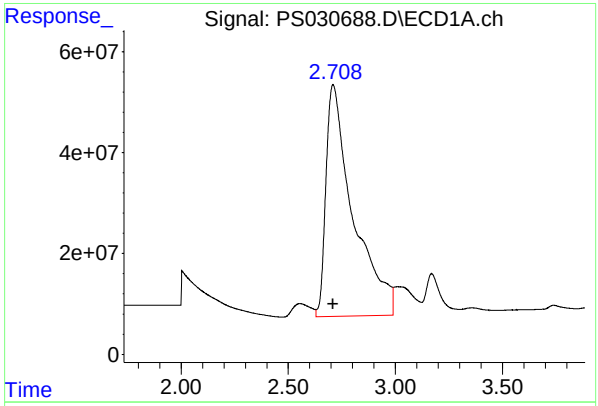
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 14:07:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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







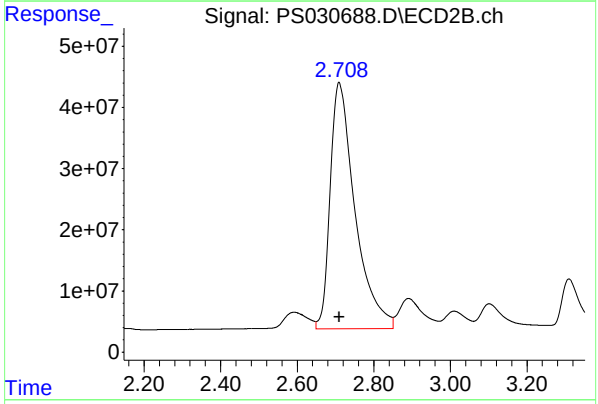
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 4030486167
Conc: 644.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

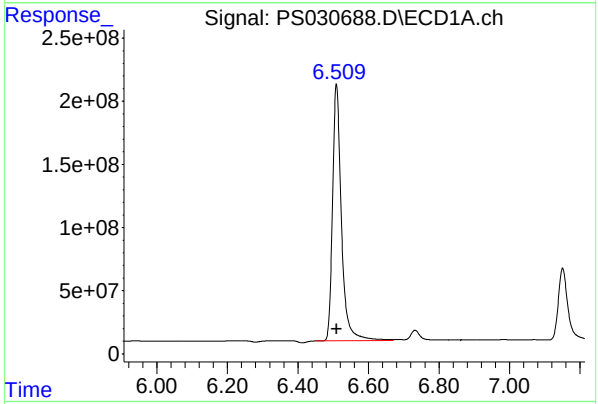
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



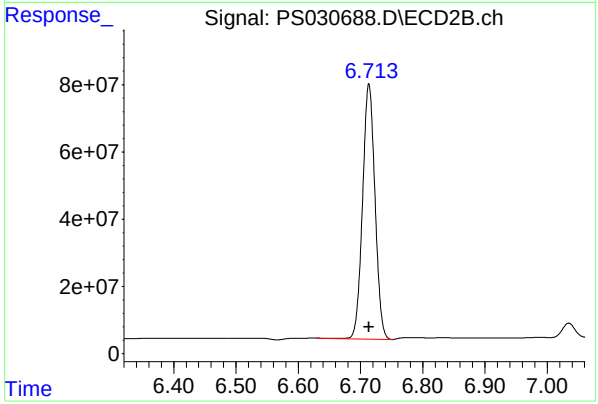
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 1806372651
Conc: 641.89 ng/ml



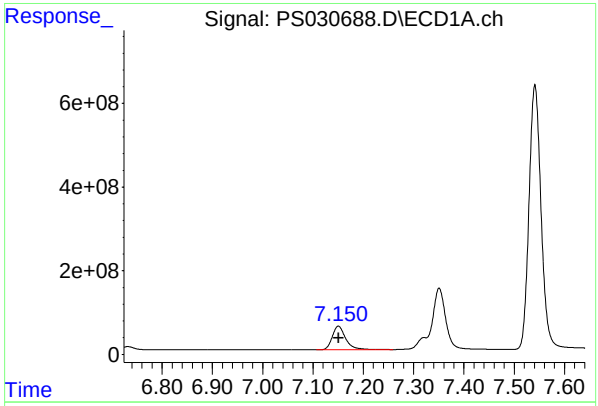
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.509 min
Delta R.T.: 0.000 min
Response: 3554105341
Conc: 653.68 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 1054387495
Conc: 651.79 ng/ml



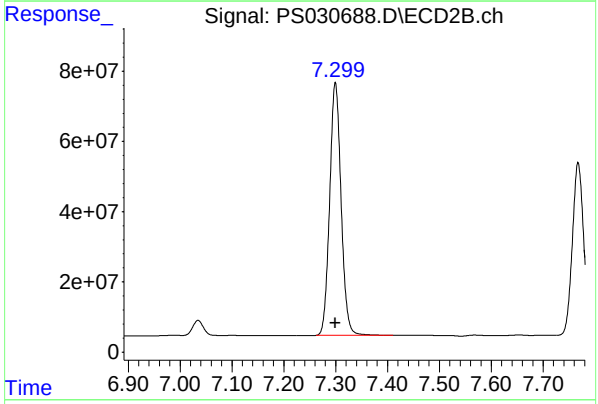
#3 4-Nitrophenol

R.T.: 7.150 min
Delta R.T.: 0.000 mi
Response: 1054051659
Conc: 646.56 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

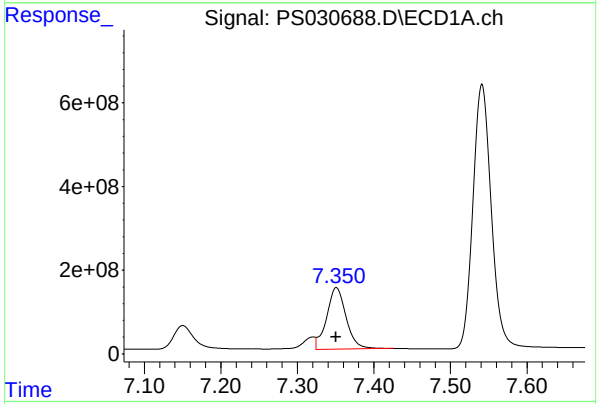
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



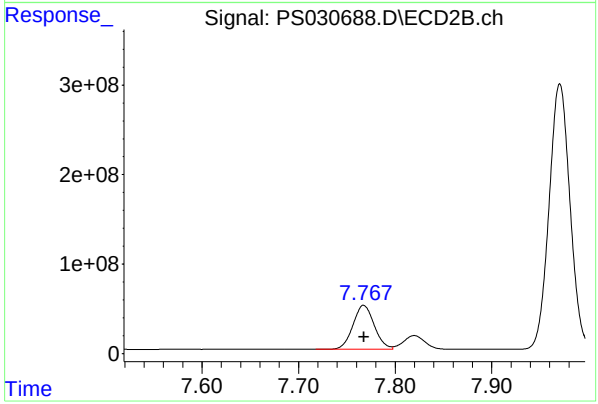
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1103710831
Conc: 647.40 ng/ml



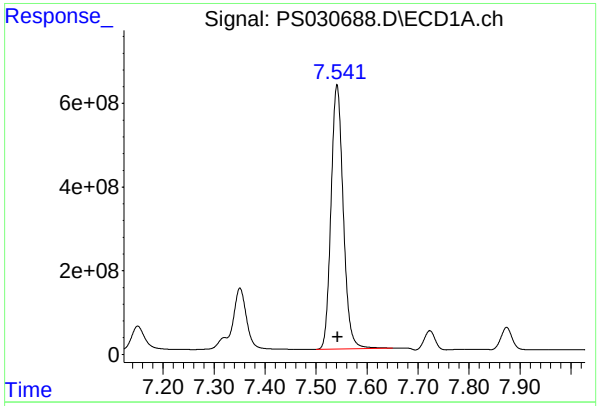
#4 2,4-DCAA

R.T.: 7.350 min
Delta R.T.: 0.000 min
Response: 2580037760
Conc: 686.03 ng/ml m



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 755547098
Conc: 699.78 ng/ml



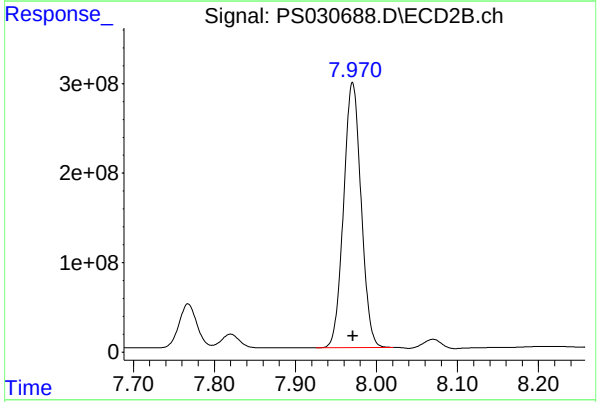
#5 DICAMBA

R.T.: 7.541 min
Delta R.T.: -0.001 min
Response: 10489805741
Conc: 670.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

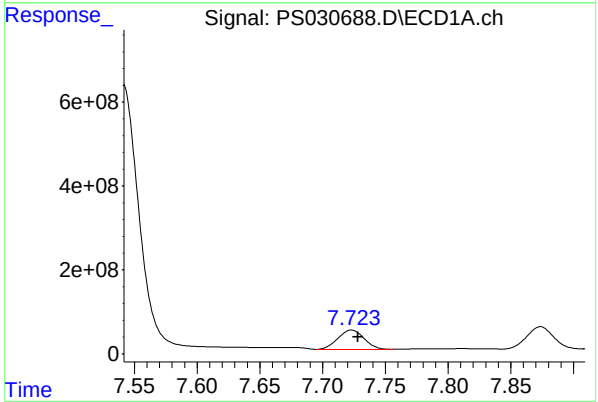
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



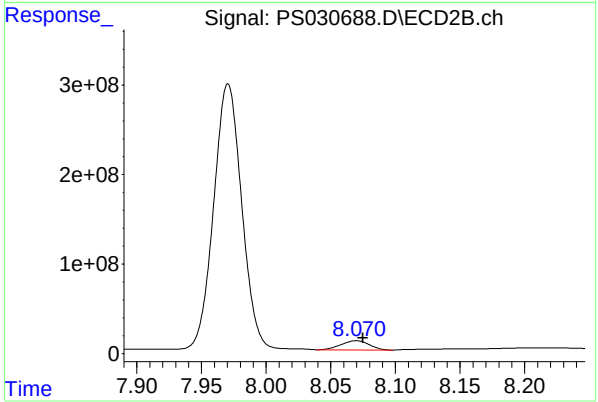
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 4452212777
Conc: 671.47 ng/ml



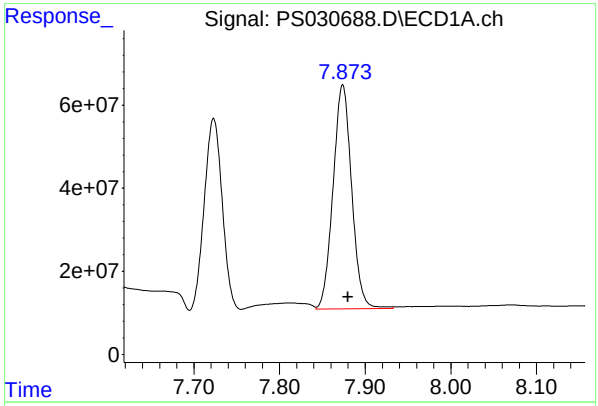
#6 MCPP

R.T.: 7.723 min
Delta R.T.: -0.005 min
Response: 669481249
Conc: 70.39 ug/ml



#6 MCPP

R.T.: 8.070 min
Delta R.T.: -0.005 min
Response: 153599136
Conc: 69.77 ug/ml



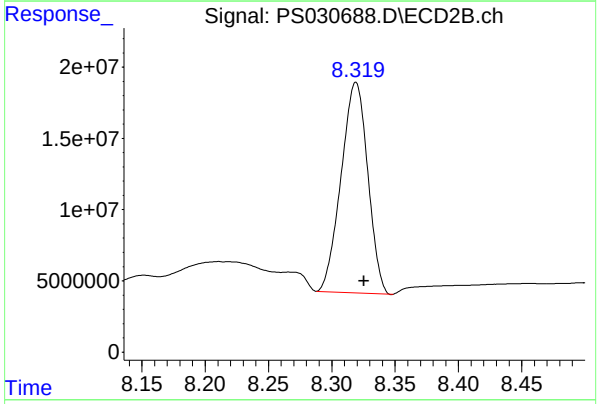
#7 MCPA

R.T.: 7.874 min
Delta R.T.: -0.006 min
Response: 813567810
Conc: 68.27 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

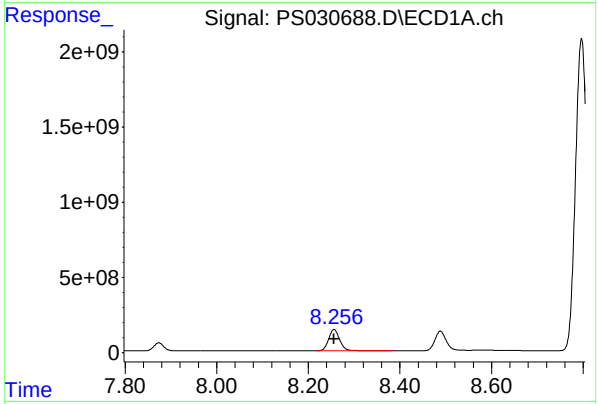
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



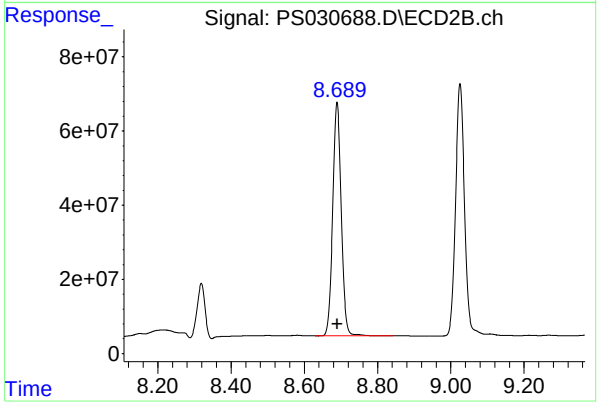
#7 MCPA

R.T.: 8.319 min
Delta R.T.: -0.007 min
Response: 216705404
Conc: 67.59 ug/ml



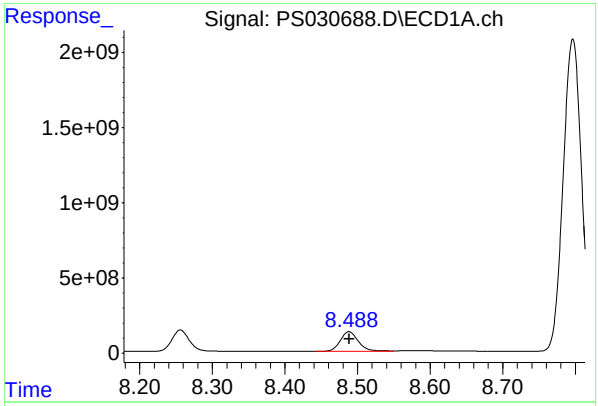
#8 DICHLORPROP

R.T.: 8.256 min
Delta R.T.: 0.000 min
Response: 2383505769
Conc: 648.52 ng/ml



#8 DICHLORPROP

R.T.: 8.689 min
Delta R.T.: 0.000 min
Response: 1017557348
Conc: 664.04 ng/ml



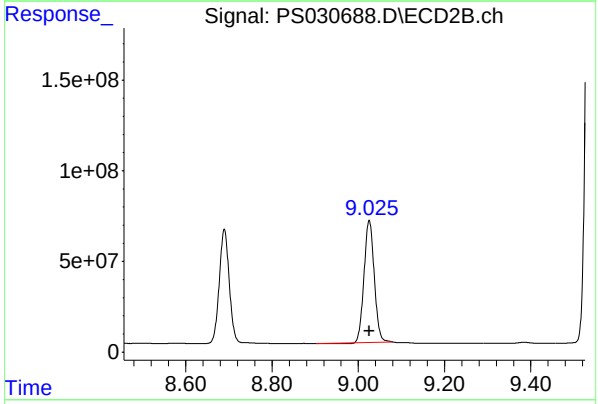
#9 2,4-D

R.T.: 8.488 min
Delta R.T.: 0.000 min
Response: 2257081873
Conc: 663.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

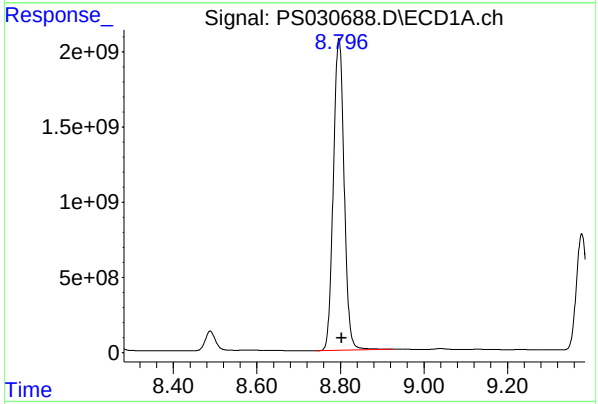
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



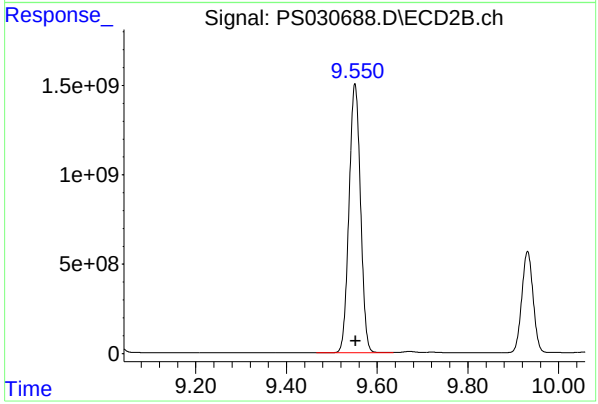
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 1108914376
Conc: 661.47 ng/ml



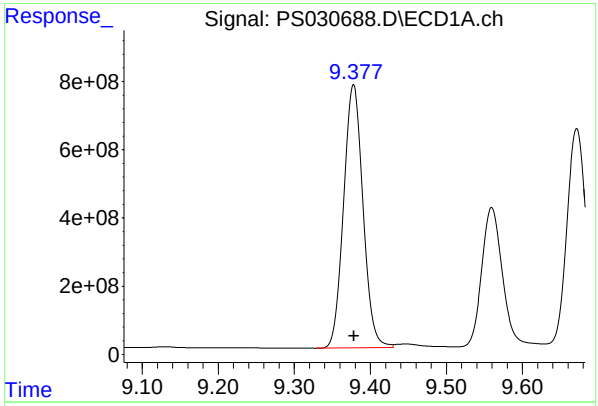
#10 Pentachlorophenol

R.T.: 8.797 min
Delta R.T.: -0.006 min
Response: 37147588175
Conc: 718.66 ng/ml



#10 Pentachlorophenol

R.T.: 9.551 min
Delta R.T.: -0.002 min
Response: 26373379871
Conc: 695.21 ng/ml



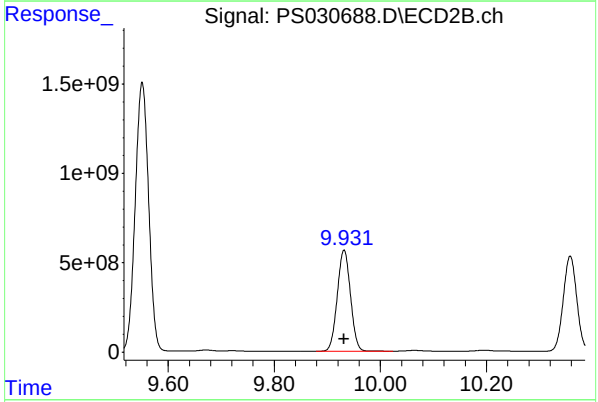
#11 2,4,5-TP (SILVEX)

R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 13731640199
Conc: 686.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

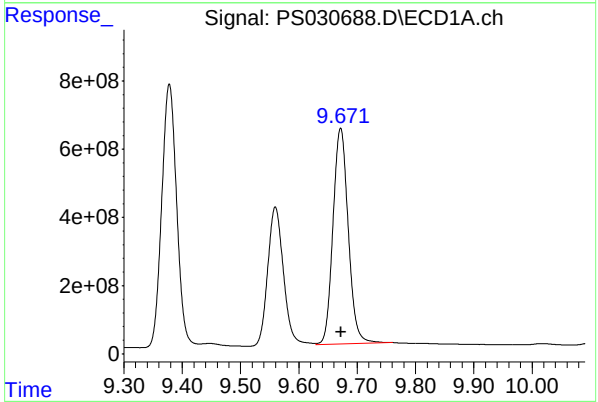
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



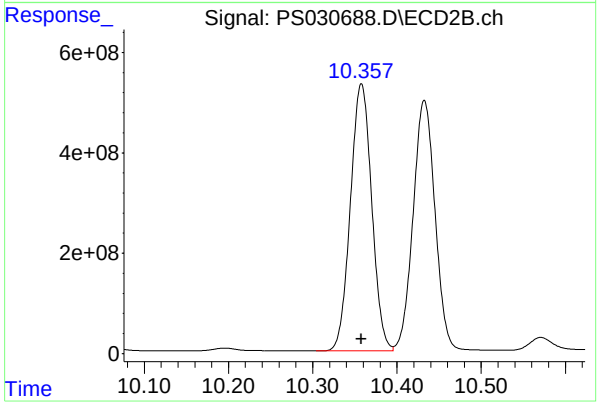
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 9777977645
Conc: 681.17 ng/ml



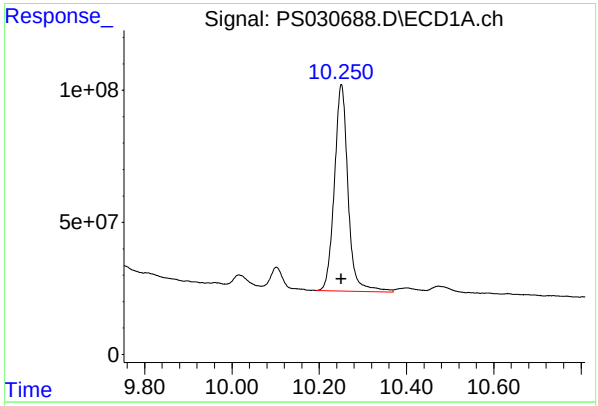
#12 2,4,5-T

R.T.: 9.672 min
Delta R.T.: 0.000 min
Response: 11486140157
Conc: 690.77 ng/ml



#12 2,4,5-T

R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 9368846498
Conc: 679.47 ng/ml



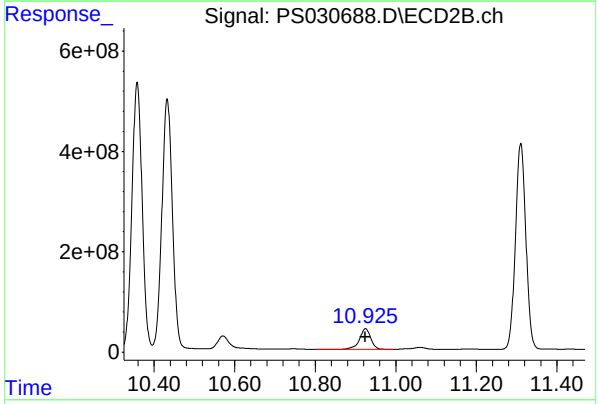
#13 2,4-DB

R.T.: 10.251 min
Delta R.T.: 0.000 min
Response: 1700499655
Conc: 688.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

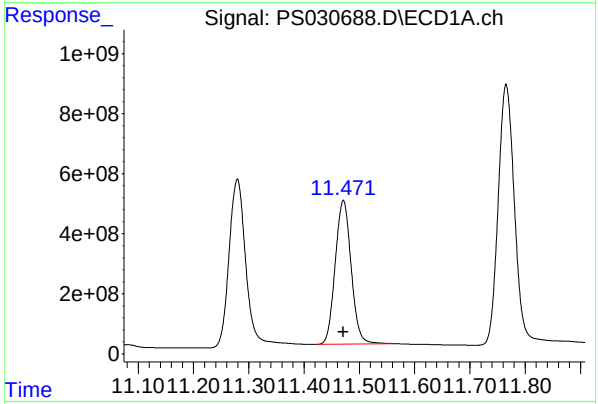
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



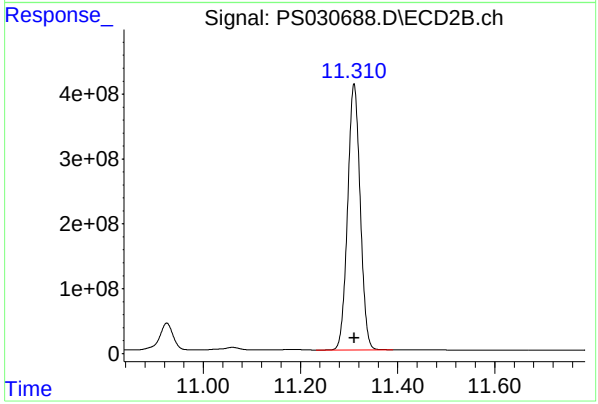
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 790834847
Conc: 666.50 ng/ml



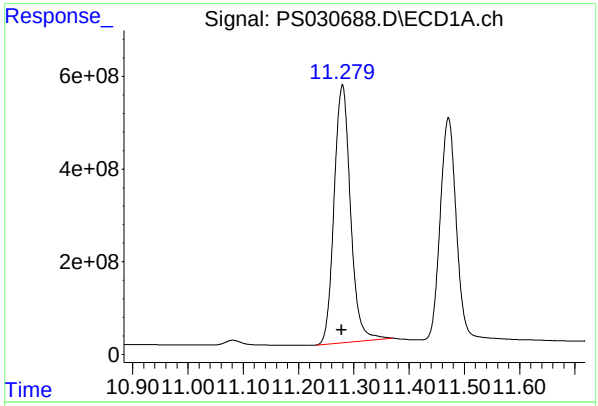
#14 DINOSEB

R.T.: 11.471 min
Delta R.T.: 0.000 min
Response: 9593656300
Conc: 677.45 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 7366118483
Conc: 672.25 ng/ml



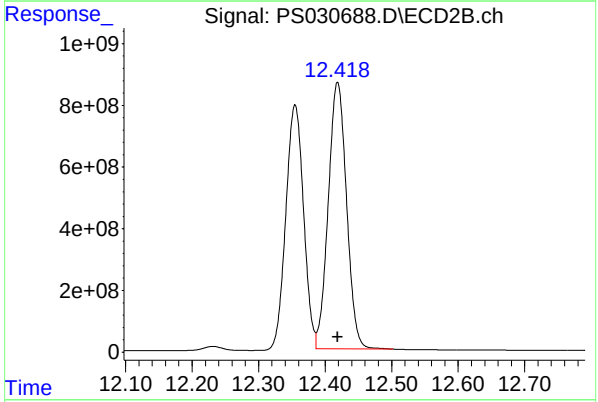
#15 Picloram

R.T.: 11.280 min
Delta R.T.: 0.001 min
Response: 11471707523
Conc: 687.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

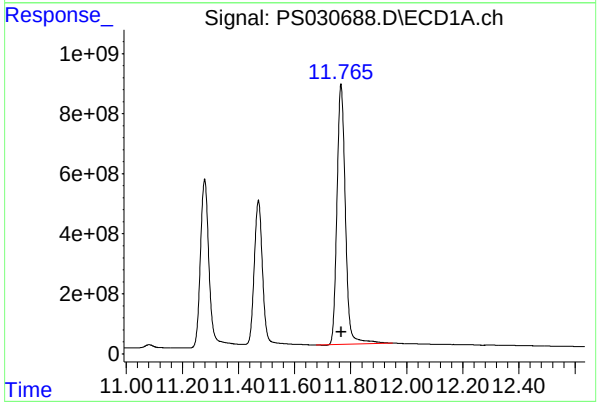
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



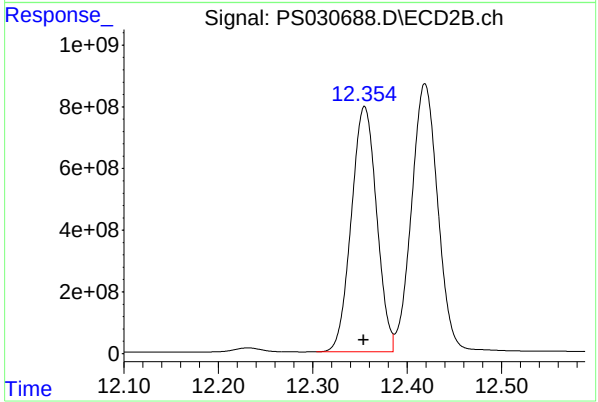
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 16510748540
Conc: 688.64 ng/ml



#16 DCPA

R.T.: 11.765 min
Delta R.T.: -0.002 min
Response: 18042574220
Conc: 694.61 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 14808033570
Conc: 689.53 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/16/2025 **Initial Calibration Date(s):** 06/16/2025 06/16/2025

Continuing Calib Time: 17:25 **Initial Calibration Time(s):** 09:56 11:33

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.54	7.54	7.44	7.64	0.00
2,4-DCAA	7.35	7.35	7.25	7.45	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.26	8.26	8.16	8.36	0.00
2,4-D	8.49	8.49	8.39	8.59	0.00
2,4,5-TP(Silvex)	9.38	9.38	9.28	9.48	0.00
2,4,5-T	9.67	9.67	9.57	9.77	0.00
2,4-DB	10.25	10.25	10.15	10.35	0.00
Dinoseb	11.47	11.47	11.37	11.57	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/16/2025 **Initial Calibration Date(s):** 06/16/2025 06/16/2025

Continuing Calib Time: 17:25 **Initial Calibration Time(s):** 09:56 11:33

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/16/2025 06/16/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/16/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030698.D **Time Analyzed:** 17:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.672	9.571	9.771	782.520	712.500	9.8
2,4,5-TP(Silvex)	9.378	9.277	9.477	724.580	712.500	1.7
2,4-D	8.488	8.388	8.588	728.580	705.000	3.3
2,4-DB	10.250	10.150	10.350	803.270	712.500	12.7
2,4-DCAA	7.350	7.250	7.450	712.270	750.000	-5.0
Dalapon	2.708	2.609	2.809	653.700	682.500	-4.2
DICAMBA	7.541	7.442	7.642	685.590	705.000	-2.8
DICHLORPROP	8.256	8.156	8.356	683.810	705.000	-3.0
Dinoseb	11.470	11.370	11.570	726.650	705.000	3.1

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/16/2025 06/16/2025

Client Sample No.: CCAL06 **Date Analyzed:** 06/16/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030698.D **Time Analyzed:** 17:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.357	10.258	10.458	688.690	712.500	-3.3
2,4,5-TP(Silvex)	9.931	9.832	10.032	668.480	712.500	-6.2
2,4-D	9.025	8.926	9.126	667.720	705.000	-5.3
2,4-DB	10.925	10.825	11.025	666.720	712.500	-6.4
2,4-DCAA	7.768	7.668	7.868	706.810	750.000	-5.8
Dalapon	2.710	2.609	2.809	646.280	682.500	-5.3
DICAMBA	7.971	7.871	8.071	675.260	705.000	-4.2
DICHLORPROP	8.690	8.590	8.790	657.780	705.000	-6.7
Dinoseb	11.310	11.211	11.411	673.760	705.000	-4.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030698.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 17:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 04:14:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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	7.350	7.768	2678.7E6	763.1E6	712.274m	706.812
	Target Compounds						
1) T	Dalapon	2.708	2.710	4088.7E6	1818.7E6	653.695	646.283
2) T	3,5-DICHL...	6.509	6.714	3379.1E6	975.5E6	621.500	603.029
3) T	4-Nitroph...	7.150	7.299	1164.3E6	1113.0E6	714.182	652.853
5) T	DICAMBA	7.541	7.971	10726.4E6	4477.3E6	685.586	675.258
6) T	MCPP	7.723	8.070	683.3E6	150.4E6	71.846	68.307
7) T	MCPA	7.874	8.320	914.8E6	212.3E6	76.765	66.214
8) T	DICHLORPROP	8.256	8.690	2513.2E6	1008.0E6	683.809	657.775
9) T	2,4-D	8.488	9.025	2477.4E6	1119.4E6	728.584	667.719
10) T	Pentachlo...	8.797	9.551	38187.9E6	26588.8E6	738.783	700.887
11) T	2,4,5-TP ...	9.378	9.931	14496.6E6	9595.8E6	724.583	668.481
12) T	2,4,5-T	9.672	10.357	13011.8E6	9496.0E6	782.519	688.685
13) T	2,4-DB	10.250	10.925	1985.0E6	791.1E6	803.269m	666.725
14) T	DINOSEB	11.470	11.310	10290.4E6	7382.6E6	726.649	673.755
15) T	Picloram	11.278	12.419	13609.1E6	16630.2E6	815.104	693.625
16) T	DCPA	11.765	12.354	19064.1E6	15014.6E6	733.934	699.149m

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

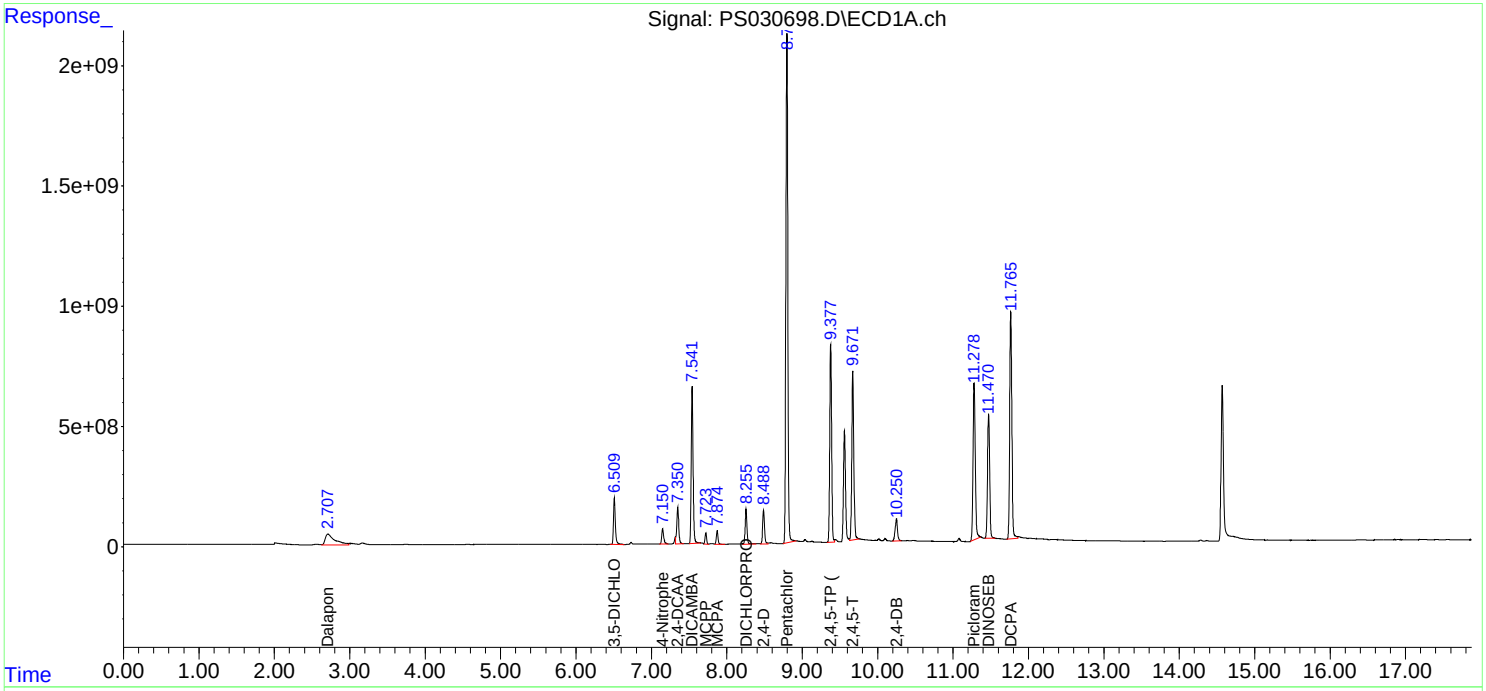
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030698.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 17:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

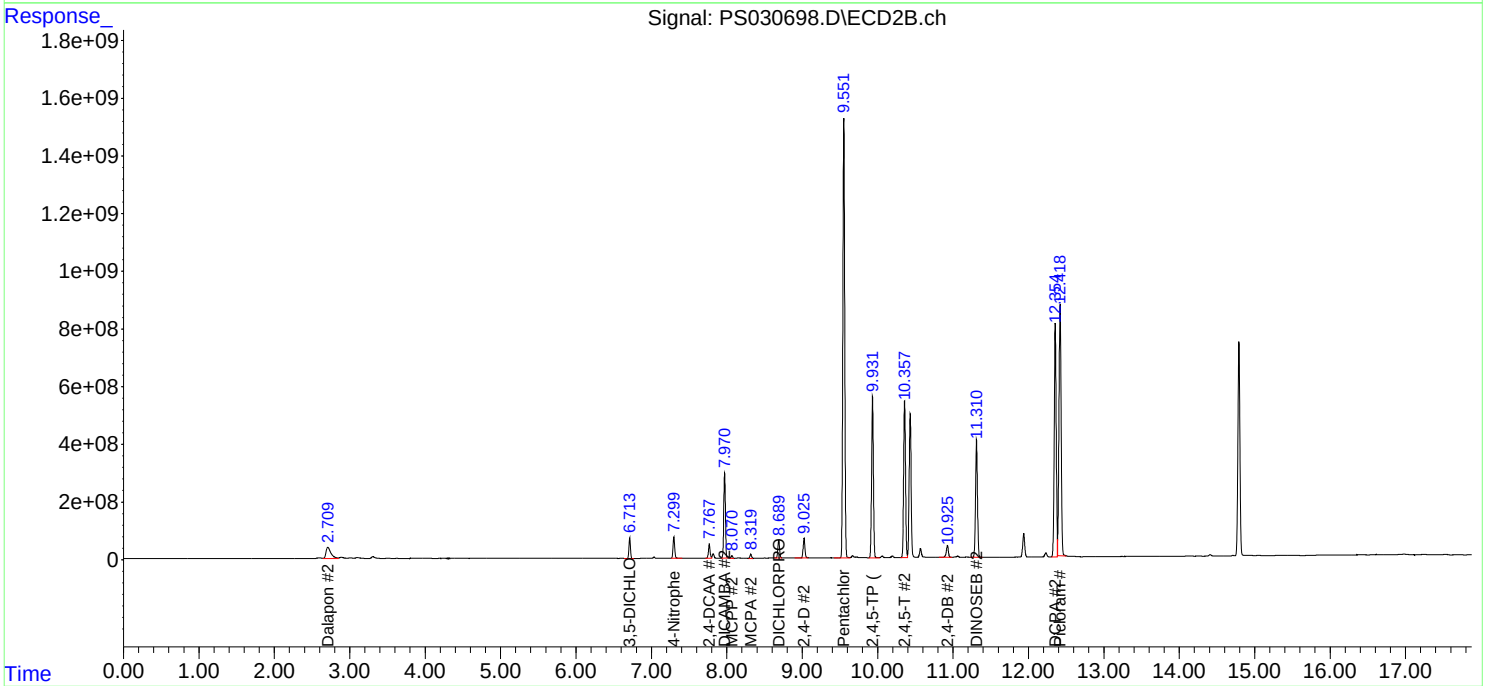
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

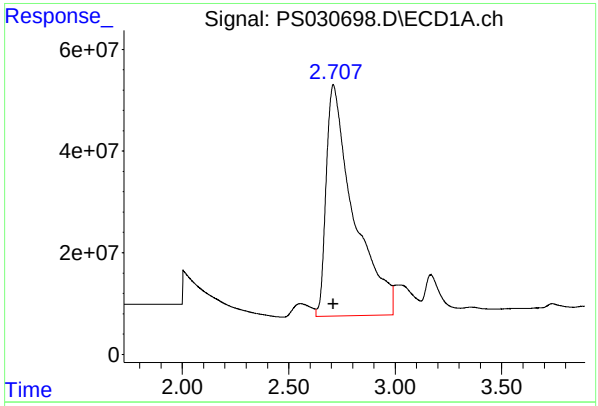
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 04:14:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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







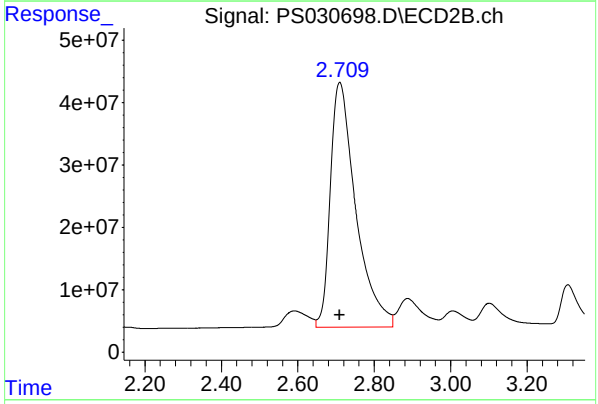
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 4088702195
Conc: 653.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

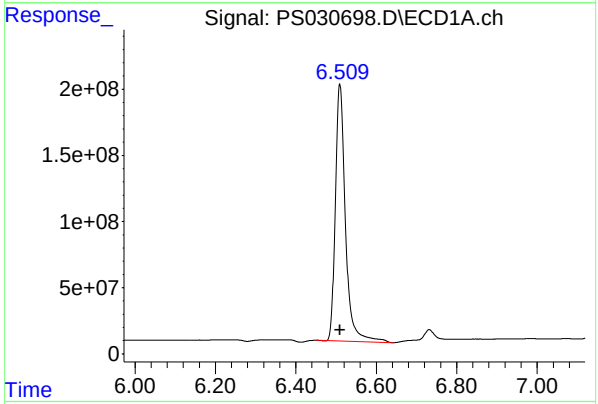
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



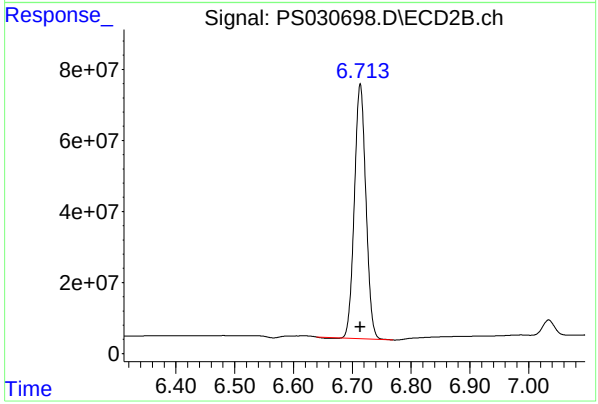
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 1818744397
Conc: 646.28 ng/ml



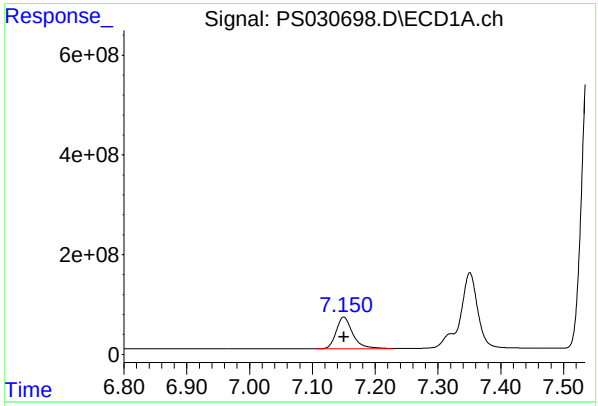
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.509 min
Delta R.T.: 0.000 min
Response: 3379128488
Conc: 621.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 975508380
Conc: 603.03 ng/ml



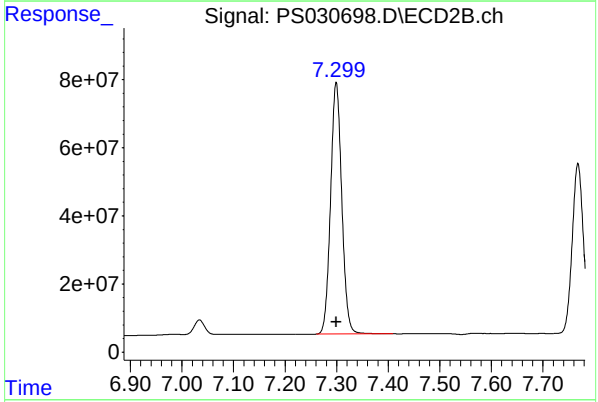
#3 4-Nitrophenol

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 1164293935
Conc: 714.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

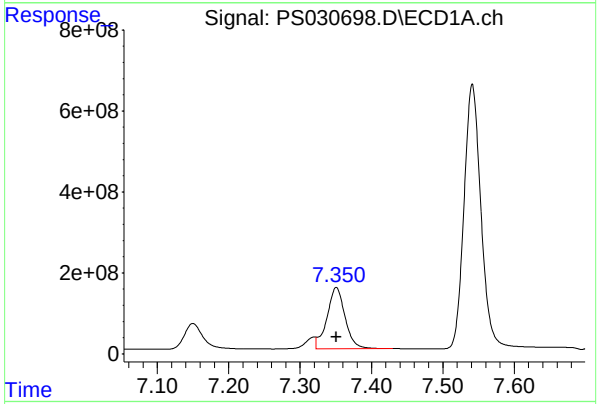
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



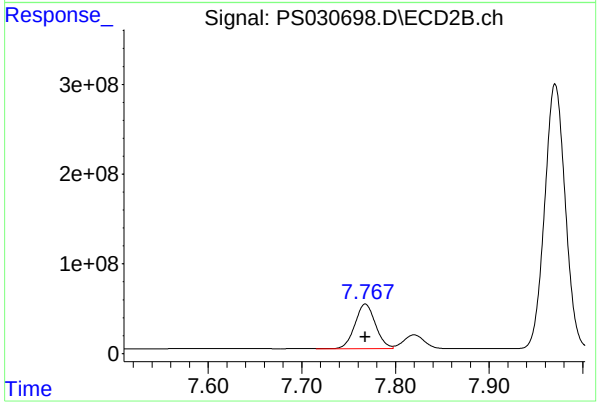
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1113014124
Conc: 652.85 ng/ml



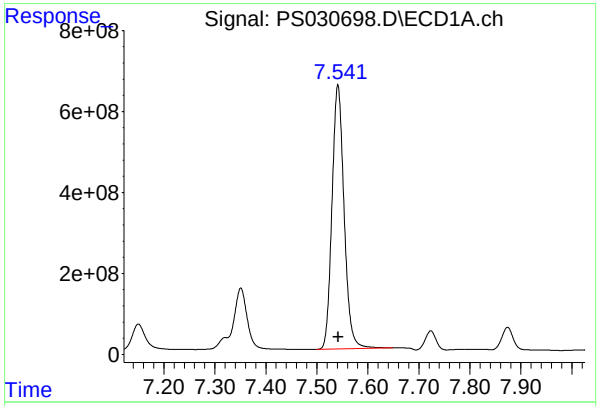
#4 2,4-DCAA

R.T.: 7.350 min
Delta R.T.: 0.000 min
Response: 2678731060
Conc: 712.27 ng/ml m



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 763138339
Conc: 706.81 ng/ml



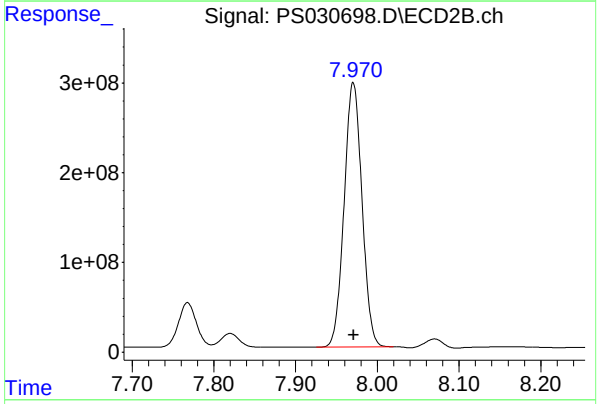
#5 DICAMBA

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 10726380682
Conc: 685.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

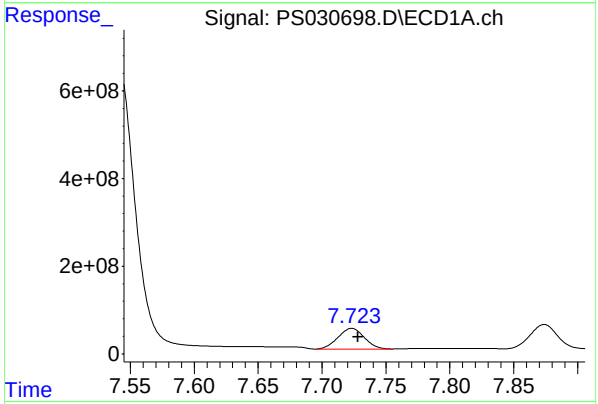
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



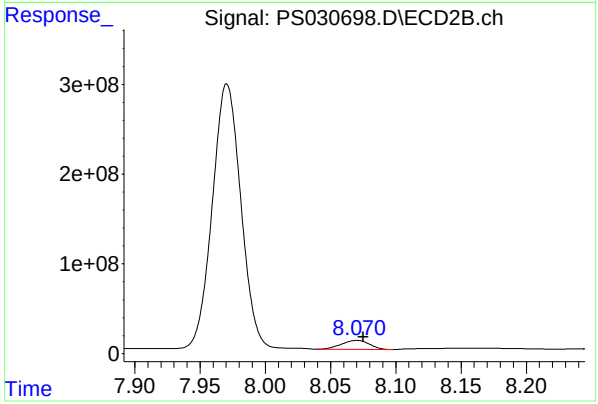
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 4477304660
Conc: 675.26 ng/ml



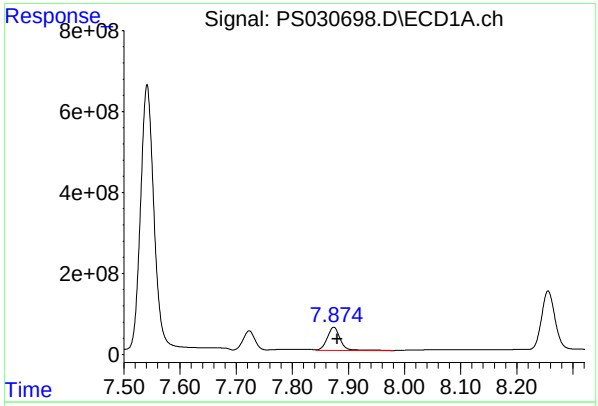
#6 MCPP

R.T.: 7.723 min
Delta R.T.: -0.005 min
Response: 683316298
Conc: 71.85 ug/ml



#6 MCPP

R.T.: 8.070 min
Delta R.T.: -0.005 min
Response: 150369537
Conc: 68.31 ug/ml



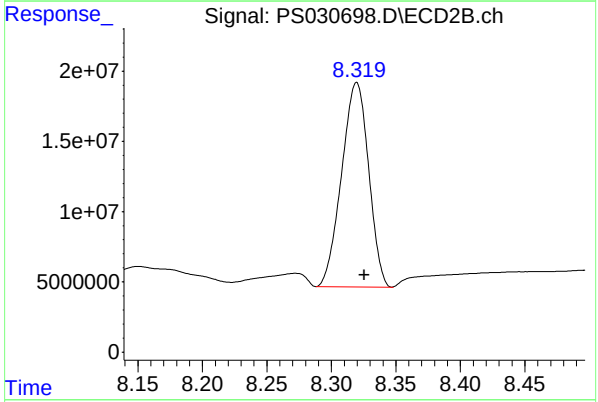
#7 MCPA

R.T.: 7.874 min
Delta R.T.: -0.006 min
Response: 914823523
Conc: 76.77 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

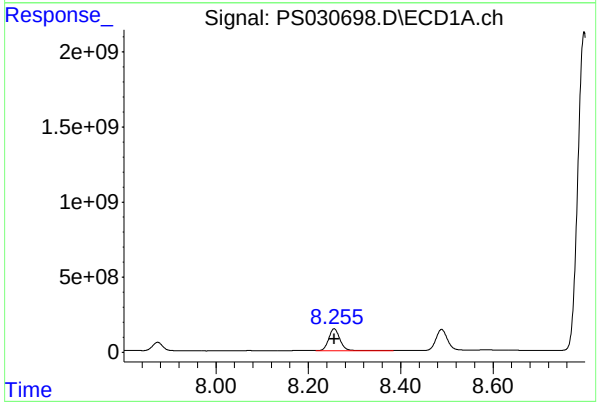
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



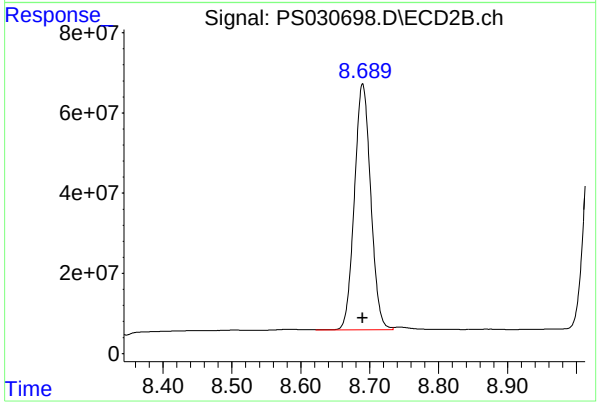
#7 MCPA

R.T.: 8.320 min
Delta R.T.: -0.006 min
Response: 212286489
Conc: 66.21 ug/ml



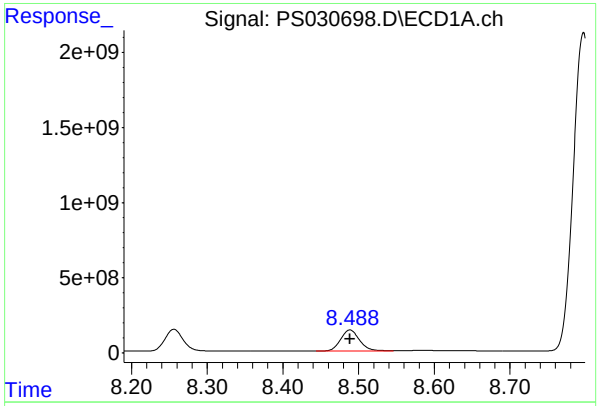
#8 DICHLORPROP

R.T.: 8.256 min
Delta R.T.: 0.000 min
Response: 2513186428
Conc: 683.81 ng/ml



#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 1007952750
Conc: 657.78 ng/ml



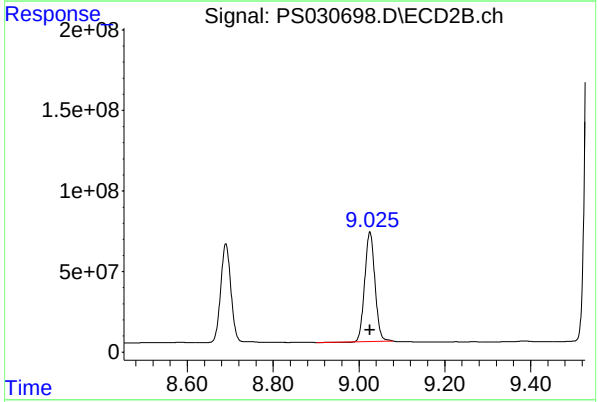
#9 2,4-D

R.T.: 8.488 min
Delta R.T.: 0.000 min
Response: 2477449882
Conc: 728.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

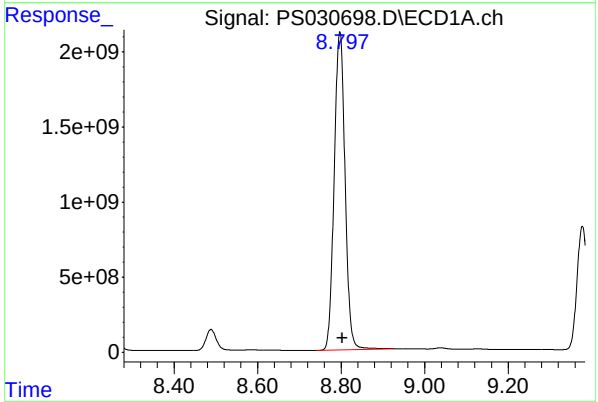
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



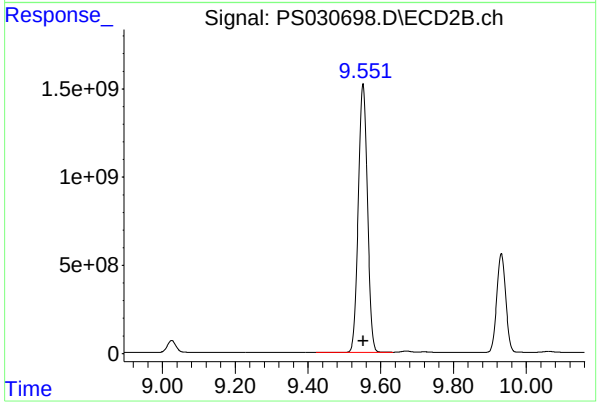
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 1119395297
Conc: 667.72 ng/ml



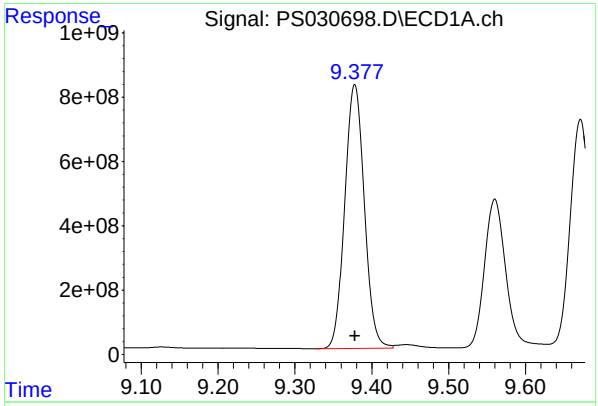
#10 Pentachlorophenol

R.T.: 8.797 min
Delta R.T.: -0.006 min
Response: 38187941711
Conc: 738.78 ng/ml



#10 Pentachlorophenol

R.T.: 9.551 min
Delta R.T.: -0.002 min
Response: 26588832735
Conc: 700.89 ng/ml



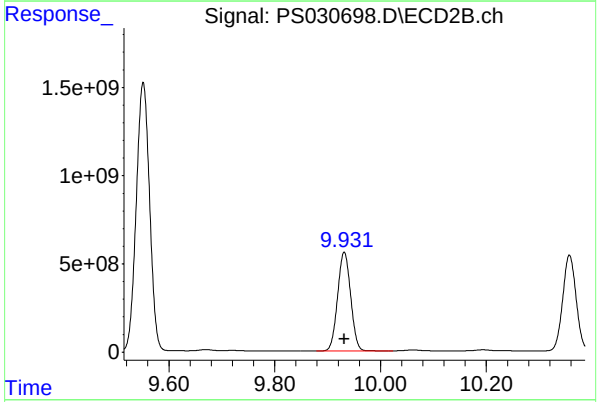
#11 2,4,5-TP (SILVEX)

R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 14496612224
Conc: 724.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

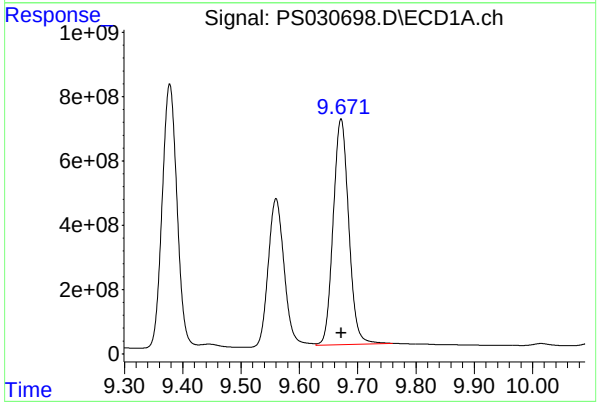
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



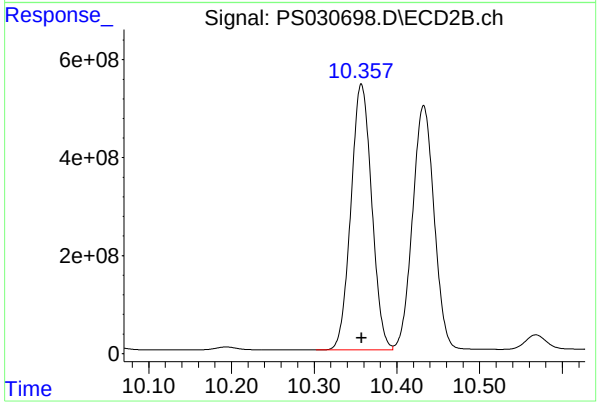
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 9595773428
Conc: 668.48 ng/ml



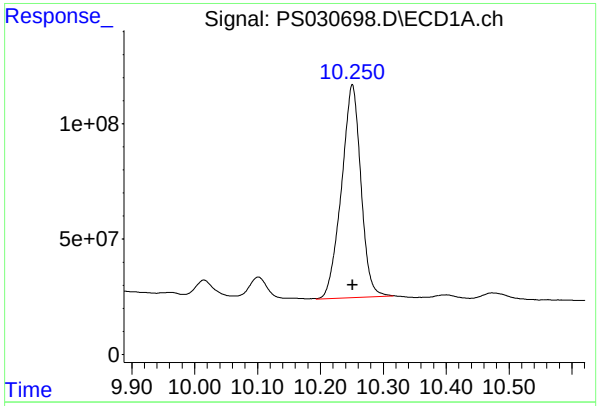
#12 2,4,5-T

R.T.: 9.672 min
Delta R.T.: 0.000 min
Response: 13011764543
Conc: 782.52 ng/ml



#12 2,4,5-T

R.T.: 10.357 min
Delta R.T.: 0.000 min
Response: 9495967836
Conc: 688.69 ng/ml



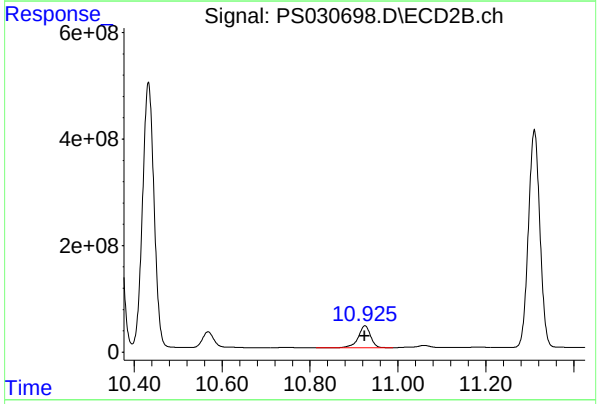
#13 2,4-DB

R.T.: 10.250 min
Delta R.T.: 0.000 min
Response: 1985004122
Conc: 803.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

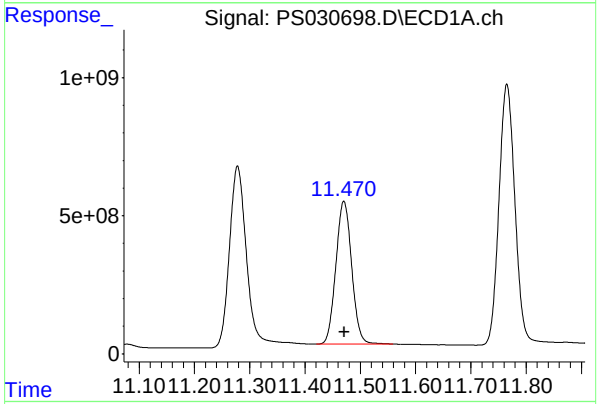
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



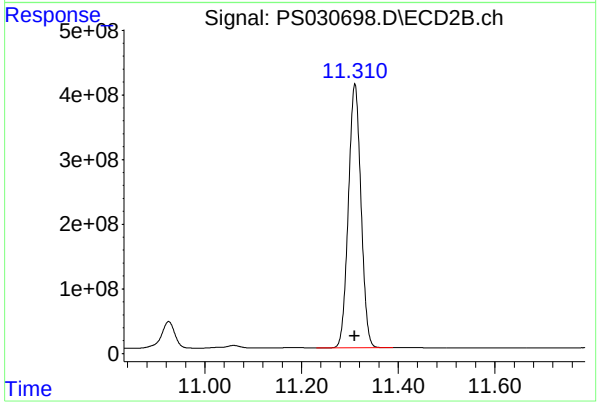
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 791106482
Conc: 666.72 ng/ml



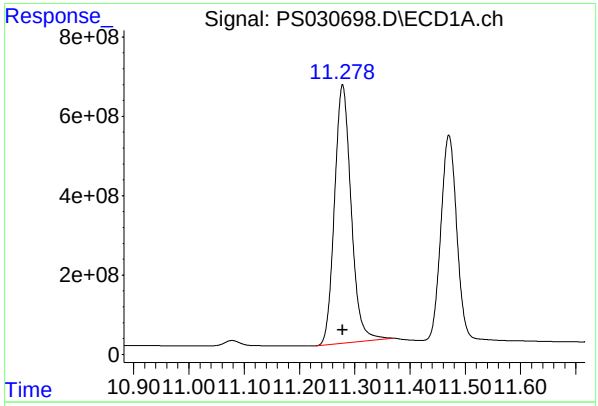
#14 DINOSEB

R.T.: 11.470 min
Delta R.T.: 0.000 min
Response: 10290353576
Conc: 726.65 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 7382598212
Conc: 673.76 ng/ml



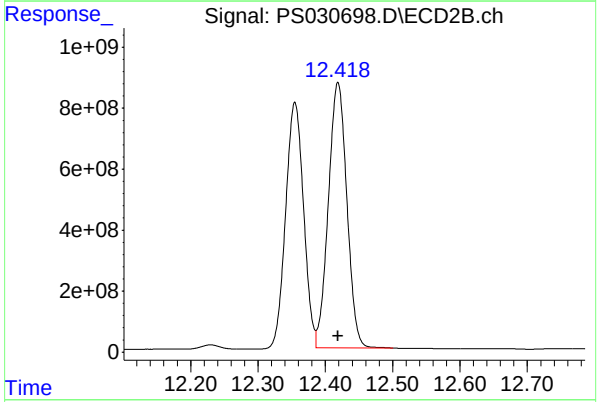
#15 Picloram

R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 13609140509
Conc: 815.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

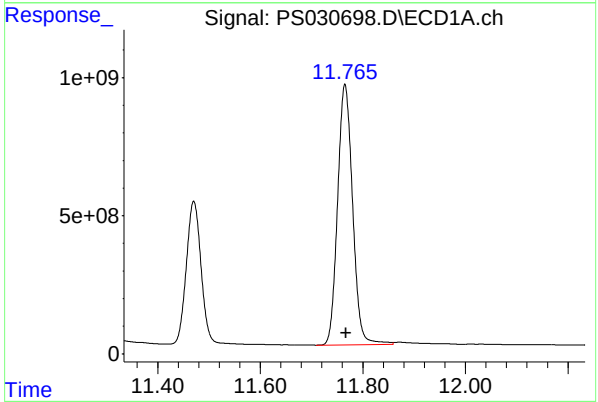
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/17/2025
Supervised By :mohammad ahmed 06/18/2025



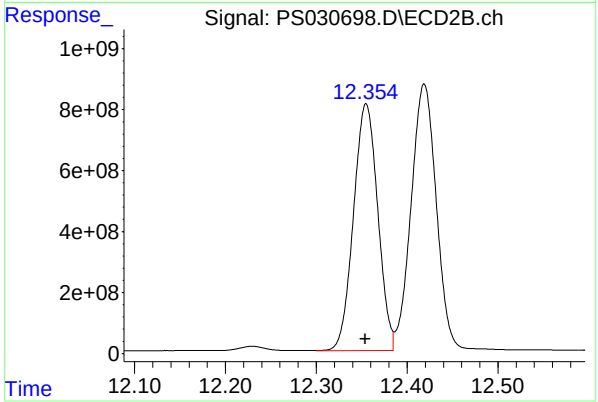
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 16630241687
Conc: 693.62 ng/ml



#16 DCPA

R.T.: 11.765 min
Delta R.T.: -0.002 min
Response: 19064052920
Conc: 733.93 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 15014625861
Conc: 699.15 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/19/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 09:25 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.54	7.54	7.44	7.64	0.00
2,4-DCAA	7.35	7.35	7.25	7.45	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.25	8.25	8.15	8.35	0.00
2,4-D	8.49	8.49	8.39	8.59	0.01
2,4,5-TP(Silvex)	9.37	9.38	9.28	9.48	0.01
2,4,5-T	9.67	9.67	9.57	9.77	0.00
2,4-DB	10.25	10.25	10.15	10.35	0.00
Dinoseb	11.47	11.47	11.37	11.57	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/19/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 09:25 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL07 **Date Analyzed:** 06/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030753.D **Time Analyzed:** 09:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.668	9.568	9.768	726.800	712.500	2.0
2,4,5-TP(Silvex)	9.373	9.275	9.475	724.080	712.500	1.6
2,4-D	8.485	8.386	8.586	682.200	705.000	-3.2
2,4-DB	10.246	10.147	10.347	762.020	712.500	7.0
2,4-DCAA	7.348	7.249	7.449	757.570	750.000	1.0
Dalapon	2.713	2.611	2.811	696.660	682.500	2.1
DICAMBA	7.539	7.439	7.639	737.020	705.000	4.5
DICHLORPROP	8.253	8.153	8.353	673.640	705.000	-4.4
Dinoseb	11.465	11.366	11.566	715.310	705.000	1.5

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL07 **Date Analyzed:** 06/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030753.D **Time Analyzed:** 09:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.359	10.259	10.459	727.590	712.500	2.1
2,4,5-TP(Silvex)	9.933	9.833	10.033	717.060	712.500	0.6
2,4-D	9.027	8.927	9.127	684.160	705.000	-3.0
2,4-DB	10.926	10.827	11.027	712.330	712.500	0.0
2,4-DCAA	7.769	7.670	7.870	750.610	750.000	0.1
Dalapon	2.711	2.609	2.809	678.900	682.500	-0.5
DICAMBA	7.972	7.872	8.072	721.350	705.000	2.3
DICHLORPROP	8.691	8.591	8.791	686.560	705.000	-2.6
Dinoseb	11.312	11.211	11.411	712.700	705.000	1.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030753.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 09:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:03:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.348	7.769	2783.6E6	804.6E6	757.567m	750.611
	Target Compounds						
1) T	Dalapon	2.713	2.711	4156.0E6	1861.4E6	696.659	678.897
2) T	3,5-DICHL...	6.508	6.715	3818.4E6	1129.3E6	710.061	700.037
3) T	4-Nitroph...	7.148	7.302	1067.9E6	1188.9E6	677.282	685.845
5) T	DICAMBA	7.539	7.972	11213.8E6	4727.1E6	737.020	721.346
6) T	MCPP	7.720	8.072	700.2E6	162.2E6	74.582	77.331
7) T	MCPA	7.871	8.321	849.5E6	230.7E6	72.416	73.330
8) T	DICHLORPROP	8.253	8.691	2523.3E6	1079.6E6	673.638	686.564
9) T	2,4-D	8.485	9.027	2349.8E6	1162.7E6	682.198	684.158
10) T	Pentachlo...	8.793	9.552	39367.5E6	28098.2E6	743.830	737.059
11) T	2,4,5-TP ...	9.373	9.933	14503.6E6	10346.3E6	724.081	717.064
12) T	2,4,5-T	9.668	10.359	11958.1E6	9942.2E6	726.797	727.585
13) T	2,4-DB	10.246	10.926	1747.7E6	842.6E6	762.024	712.334
14) T	DINOSEB	11.465	11.312	9923.6E6	7683.8E6	715.306	712.699
15) T	Picloram	11.275	12.421	11385.0E6	17111.2E6	708.194	736.237
16) T	DCPA	11.761	12.357	18964.7E6	16120.4E6	740.340	731.324

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

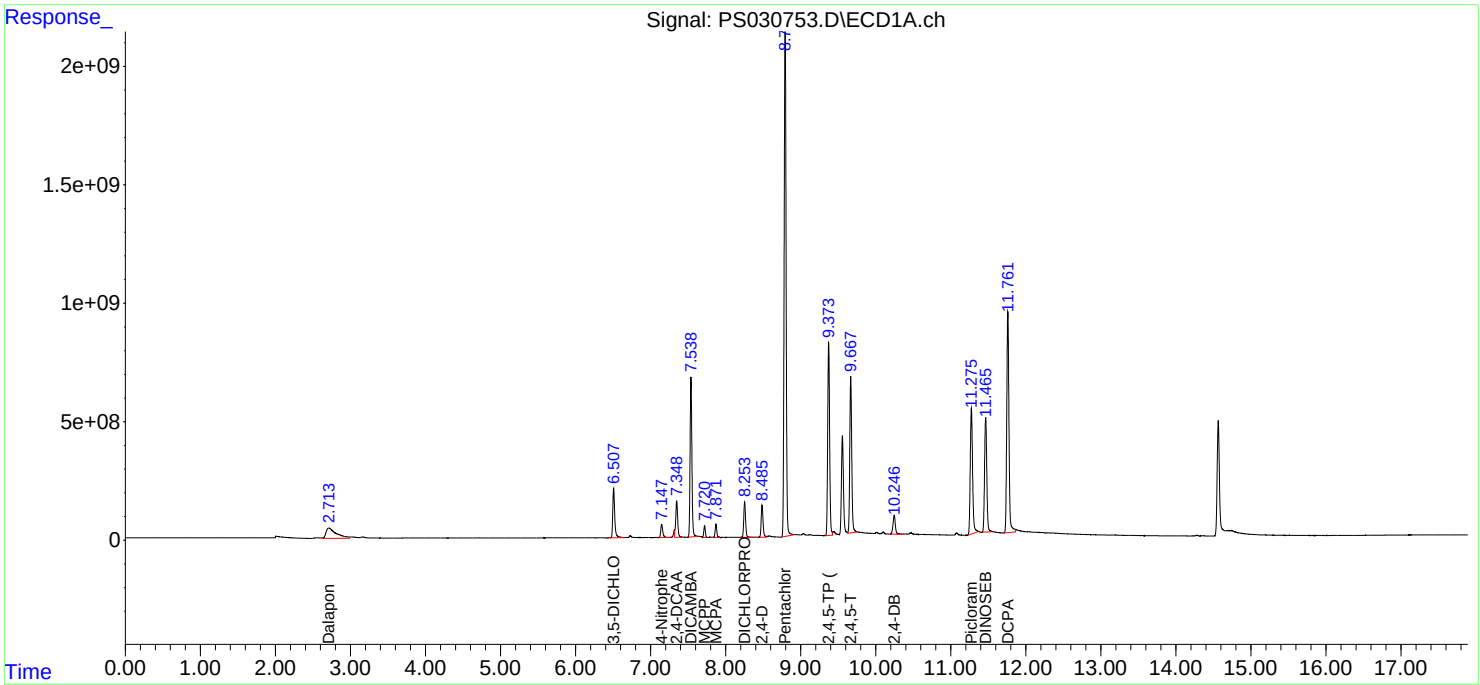
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030753.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 09:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

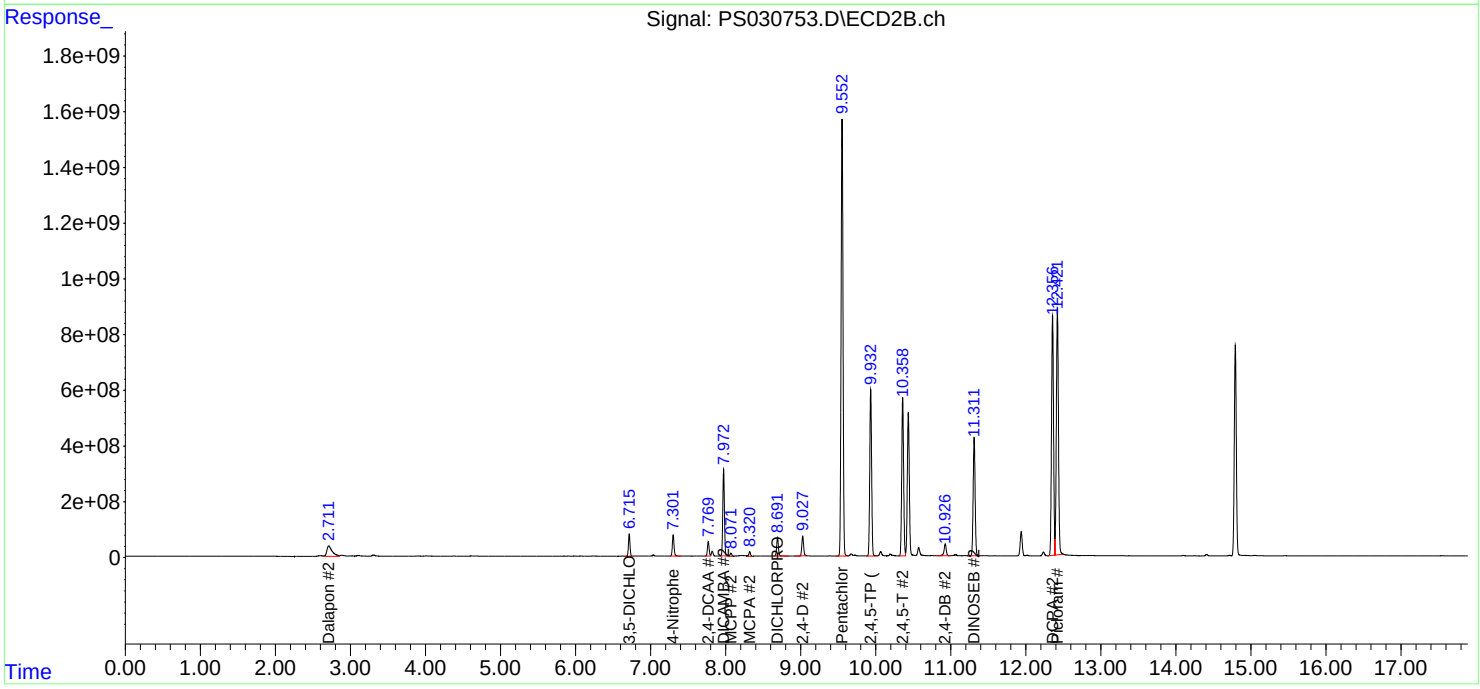
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

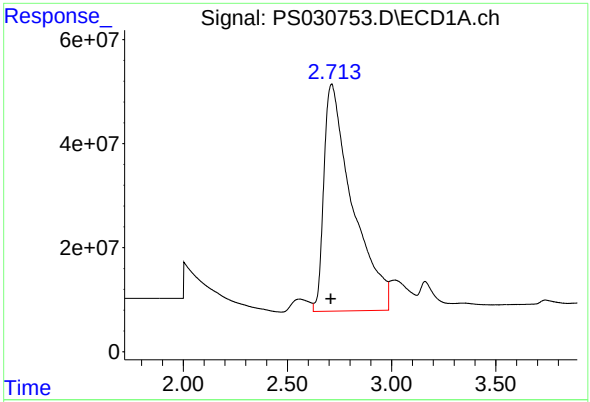
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:03:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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







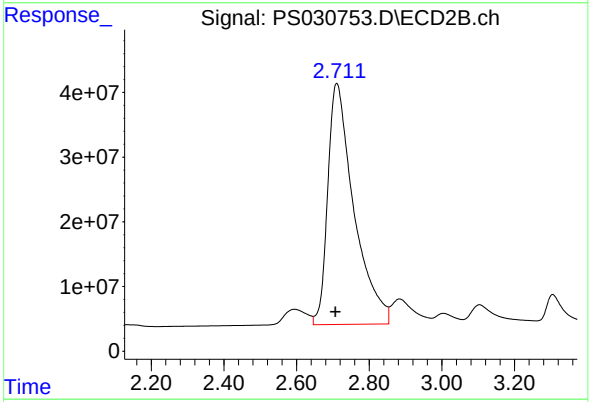
#1 Dalapon

R.T.: 2.713 min
Delta R.T.: 0.005 min
Response: 4156010694
Conc: 696.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

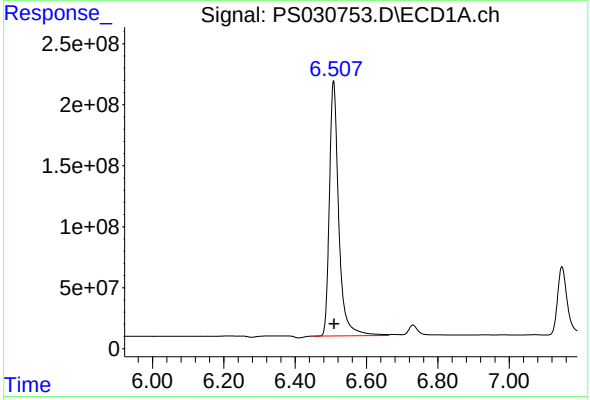
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



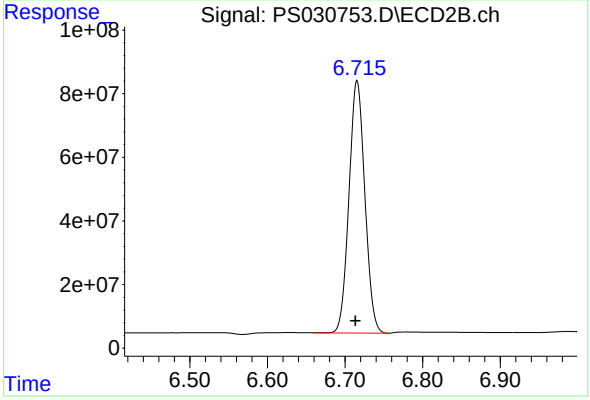
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.003 min
Response: 1861359995
Conc: 678.90 ng/ml



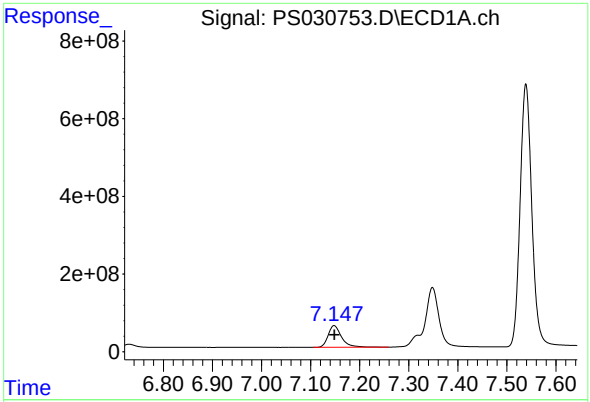
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: -0.001 min
Response: 3818390985
Conc: 710.06 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.002 min
Response: 1129264255
Conc: 700.04 ng/ml



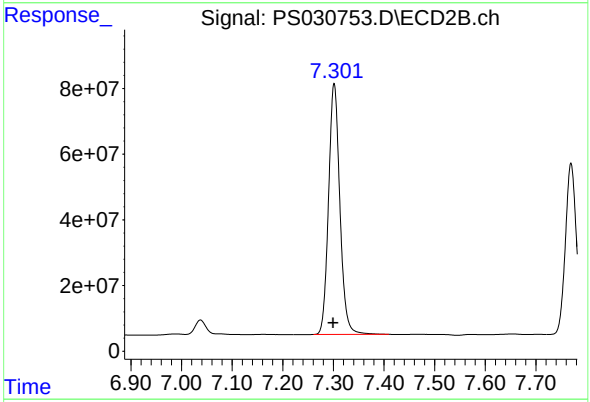
#3 4-Nitrophenol

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 1067916333
Conc: 677.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

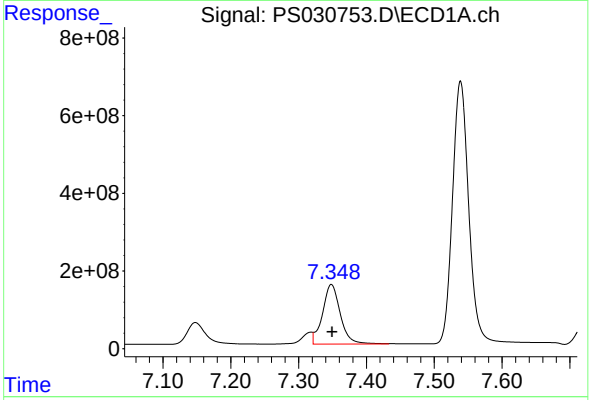
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



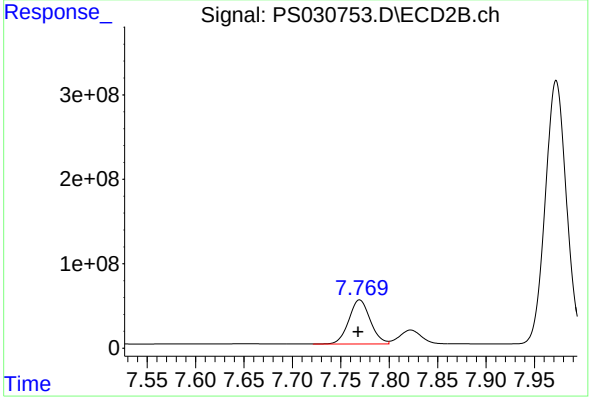
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.002 min
Response: 1188936026
Conc: 685.84 ng/ml



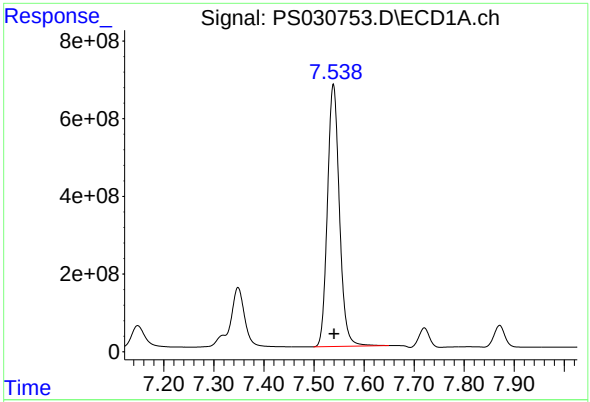
#4 2,4-DCAA

R.T.: 7.348 min
Delta R.T.: -0.002 min
Response: 2783598908
Conc: 757.57 ng/ml m



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.002 min
Response: 804627971
Conc: 750.61 ng/ml



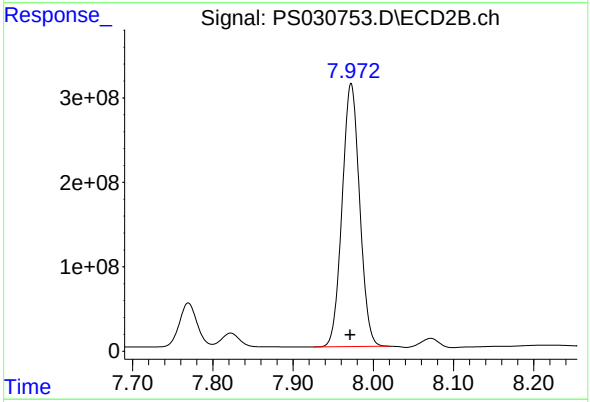
#5 DICAMBA

R.T.: 7.539 min
Delta R.T.: -0.002 min
Response: 11213825340
Conc: 737.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

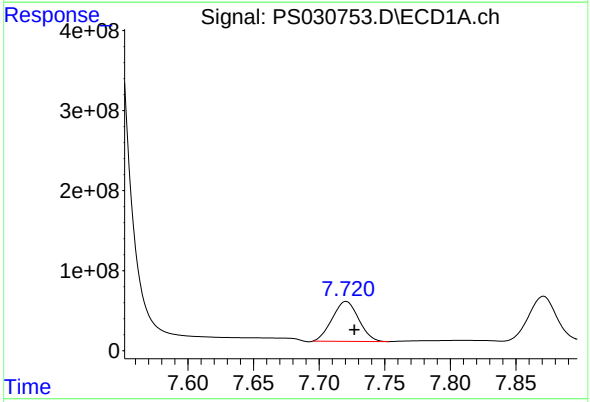
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



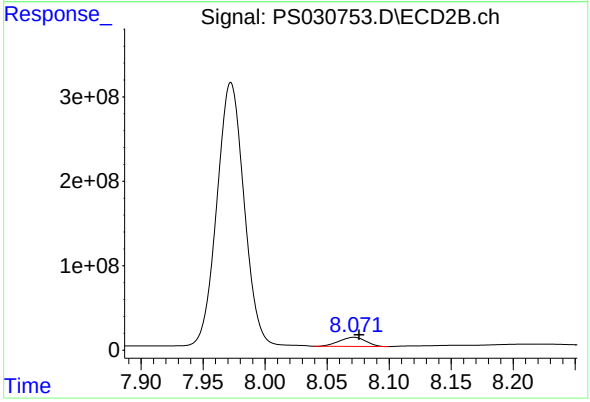
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.001 min
Response: 4727131982
Conc: 721.35 ng/ml



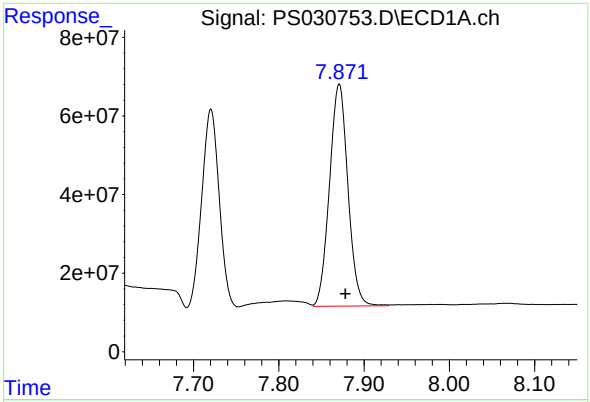
#6 MCPP

R.T.: 7.720 min
Delta R.T.: -0.006 min
Response: 700197265
Conc: 74.58 ug/ml



#6 MCPP

R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 162188382
Conc: 77.33 ug/ml



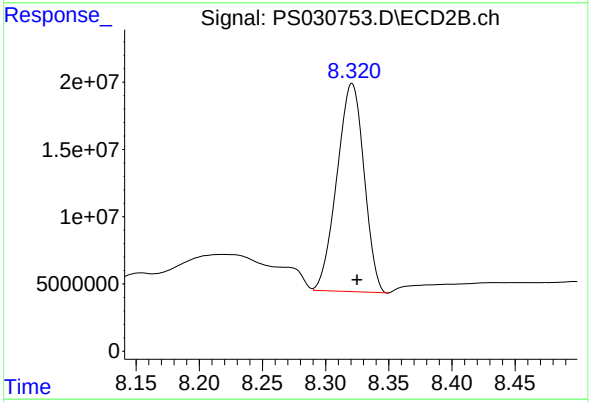
#7 MCPA

R.T.: 7.871 min
Delta R.T.: -0.007 min
Response: 849483916
Conc: 72.42 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

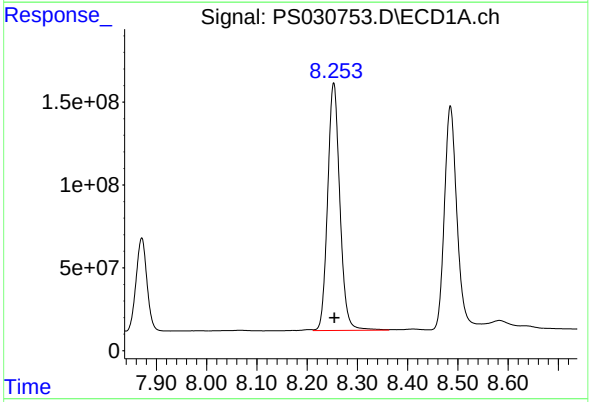
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



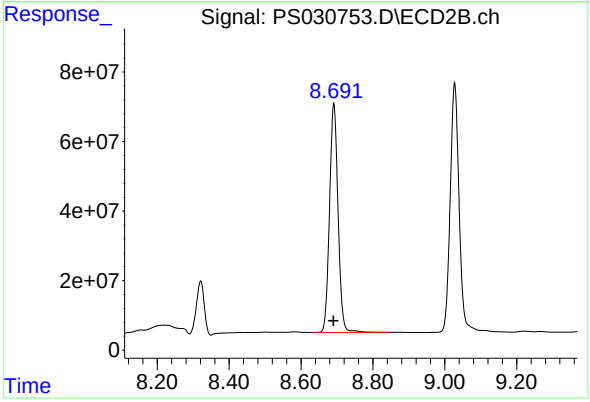
#7 MCPA

R.T.: 8.321 min
Delta R.T.: -0.004 min
Response: 230677189
Conc: 73.33 ug/ml



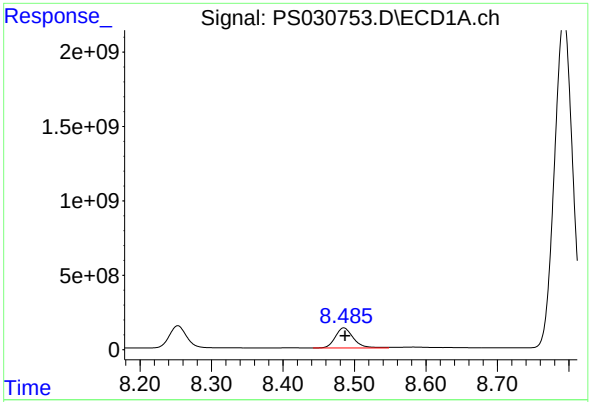
#8 DICHLORPROP

R.T.: 8.253 min
Delta R.T.: -0.001 min
Response: 2523287595
Conc: 673.64 ng/ml



#8 DICHLORPROP

R.T.: 8.691 min
Delta R.T.: 0.001 min
Response: 1079619597
Conc: 686.56 ng/ml



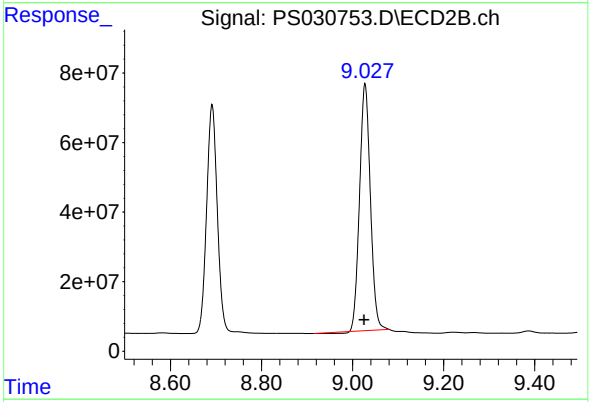
#9 2,4-D

R.T.: 8.485 min
Delta R.T.: -0.002 min
Response: 2349772198
Conc: 682.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

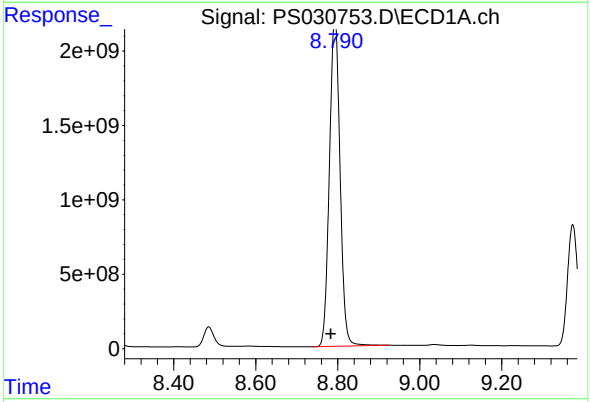
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



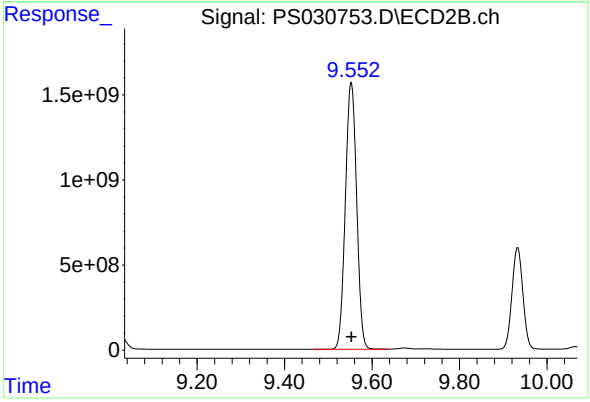
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.002 min
Response: 1162661105
Conc: 684.16 ng/ml



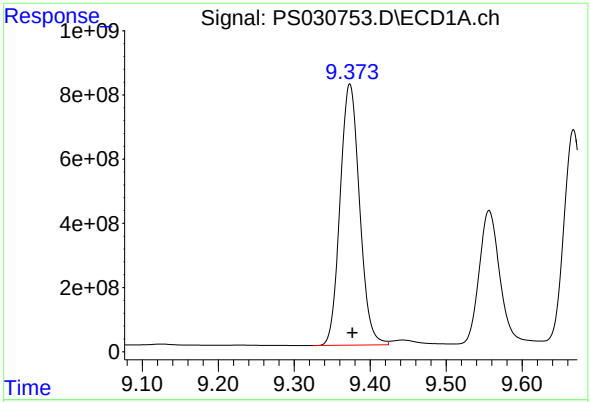
#10 Pentachlorophenol

R.T.: 8.793 min
Delta R.T.: 0.010 min
Response: 39367509442
Conc: 743.83 ng/ml



#10 Pentachlorophenol

R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 28098215297
Conc: 737.06 ng/ml



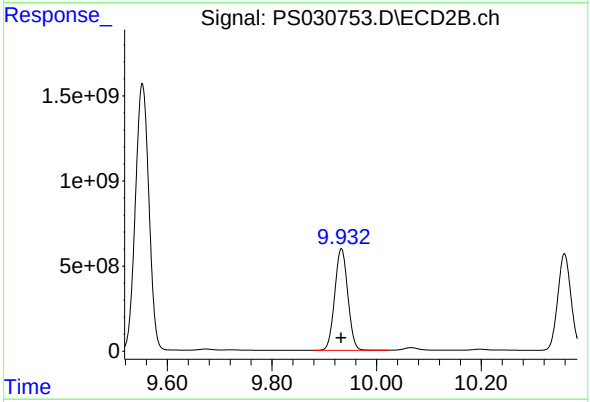
#11 2,4,5-TP (SILVEX)

R.T.: 9.373 min
Delta R.T.: -0.003 min
Response: 14503626696
Conc: 724.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

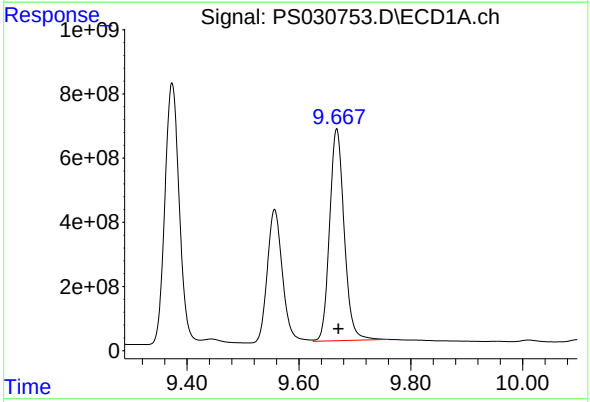
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



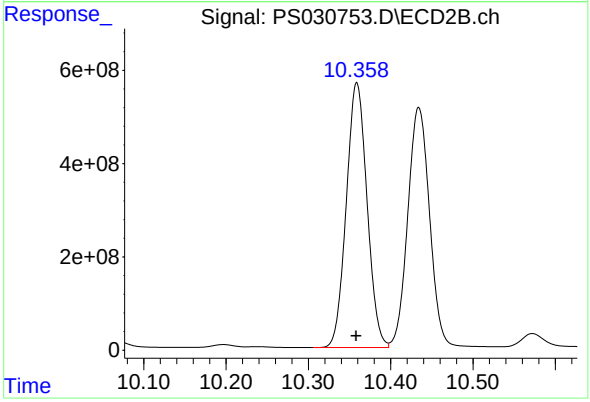
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 10346302750
Conc: 717.06 ng/ml



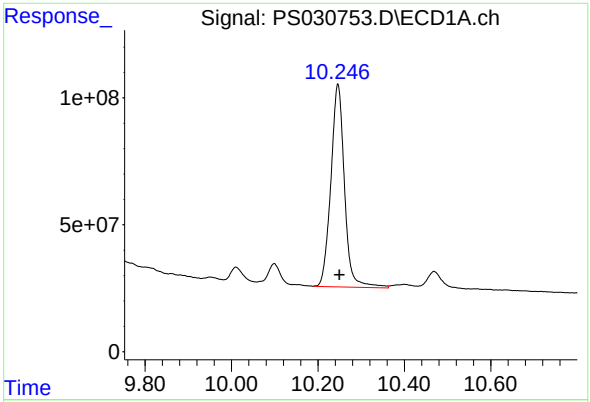
#12 2,4,5-T

R.T.: 9.668 min
Delta R.T.: -0.003 min
Response: 11958096310
Conc: 726.80 ng/ml



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.001 min
Response: 9942177962
Conc: 727.59 ng/ml



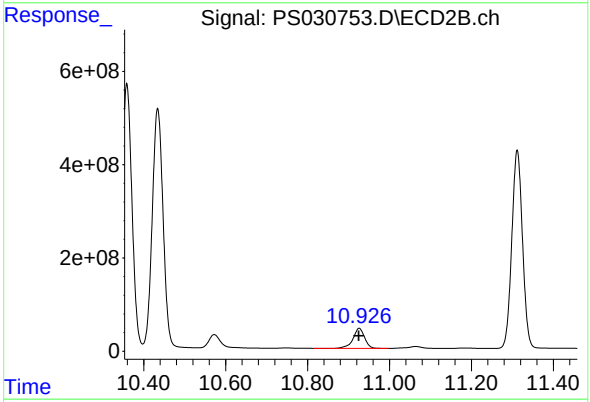
#13 2,4-DB

R.T.: 10.246 min
Delta R.T.: -0.004 min
Response: 1747703486
Conc: 762.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

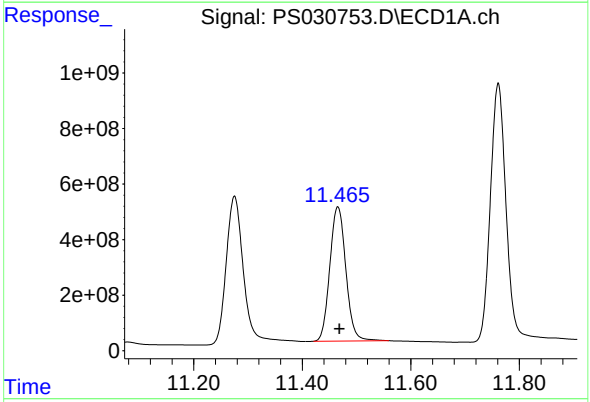
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



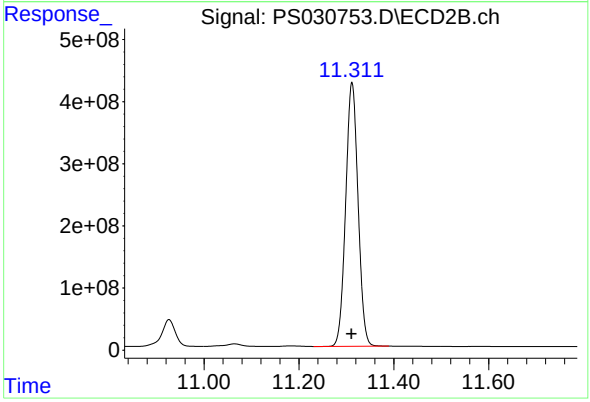
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 842622764
Conc: 712.33 ng/ml



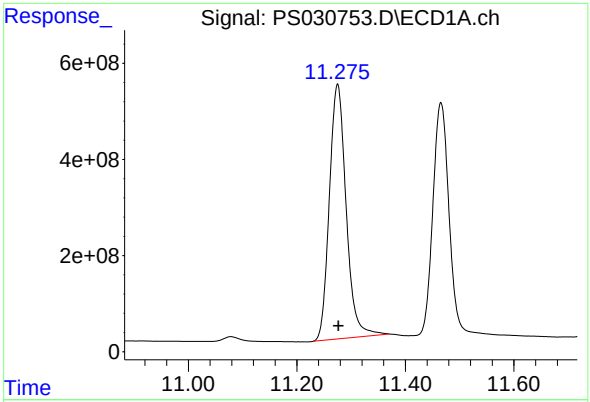
#14 DINOSEB

R.T.: 11.465 min
Delta R.T.: -0.003 min
Response: 9923574427
Conc: 715.31 ng/ml



#14 DINOSEB

R.T.: 11.312 min
Delta R.T.: 0.000 min
Response: 7683779500
Conc: 712.70 ng/ml



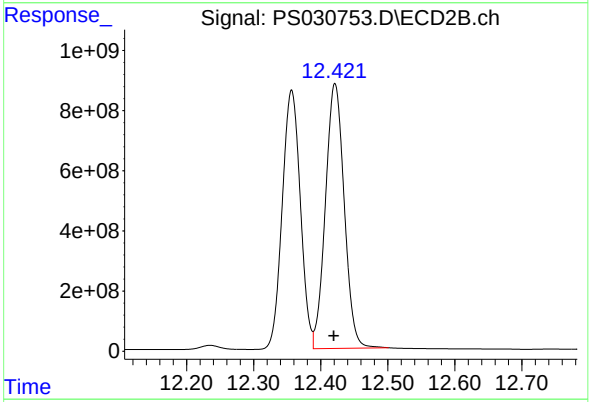
#15 Picloram

R.T.: 11.275 min
Delta R.T.: -0.001 min
Response: 11385000451
Conc: 708.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

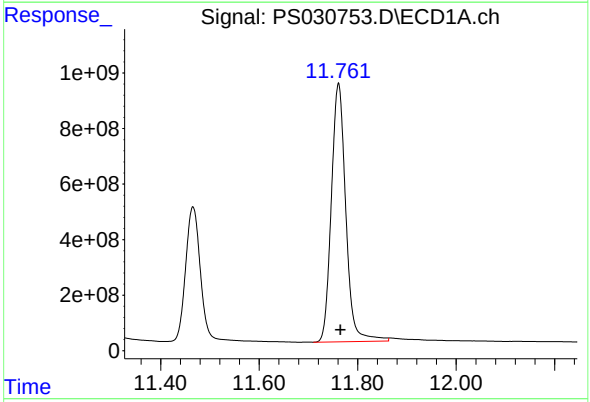
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



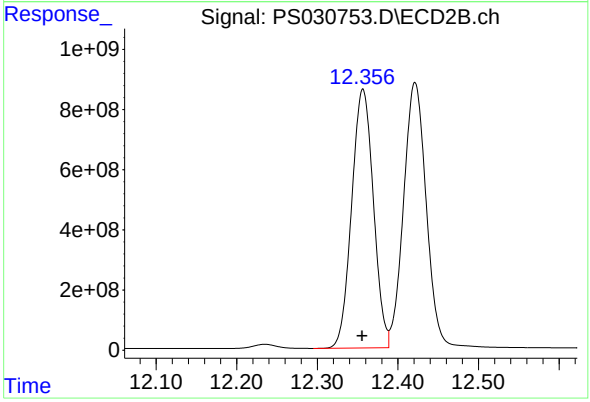
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.002 min
Response: 17111189552
Conc: 736.24 ng/ml



#16 DCPA

R.T.: 11.761 min
Delta R.T.: -0.004 min
Response: 18964743203
Conc: 740.34 ng/ml



#16 DCPA

R.T.: 12.357 min
Delta R.T.: 0.001 min
Response: 16120430959
Conc: 731.32 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/19/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 11:06 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.54	7.54	7.44	7.64	0.00
2,4-DCAA	7.35	7.35	7.25	7.45	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.25	8.25	8.15	8.35	0.00
2,4-D	8.49	8.49	8.39	8.59	0.01
2,4,5-TP(Silvex)	9.37	9.38	9.28	9.48	0.01
2,4,5-T	9.67	9.67	9.57	9.77	0.00
2,4-DB	10.25	10.25	10.15	10.35	0.01
Dinoseb	11.47	11.47	11.37	11.57	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Continuing Calib Date: 06/19/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 11:06 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL08 **Date Analyzed:** 06/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030757.D **Time Analyzed:** 11:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.667	9.568	9.768	747.680	712.500	4.9
2,4,5-TP(Silvex)	9.373	9.275	9.475	731.860	712.500	2.7
2,4-D	8.485	8.386	8.586	696.920	705.000	-1.1
2,4-DB	10.245	10.147	10.347	778.790	712.500	9.3
2,4-DCAA	7.348	7.249	7.449	769.350	750.000	2.6
Dalapon	2.713	2.611	2.811	695.430	682.500	1.9
DICAMBA	7.539	7.439	7.639	735.820	705.000	4.4
DICHLORPROP	8.252	8.153	8.353	679.830	705.000	-3.6
Dinoseb	11.465	11.366	11.566	710.420	705.000	0.8

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL08 **Date Analyzed:** 06/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030757.D **Time Analyzed:** 11:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.360	10.259	10.459	730.380	712.500	2.5
2,4,5-TP(Silvex)	9.934	9.833	10.033	724.230	712.500	1.6
2,4-D	9.027	8.927	9.127	711.340	705.000	0.9
2,4-DB	10.927	10.827	11.027	719.410	712.500	1.0
2,4-DCAA	7.771	7.670	7.870	749.750	750.000	0.0
Dalapon	2.713	2.609	2.809	675.650	682.500	-1.0
DICAMBA	7.973	7.872	8.072	720.320	705.000	2.2
DICHLORPROP	8.692	8.591	8.791	680.890	705.000	-3.4
Dinoseb	11.313	11.211	11.411	703.490	705.000	-0.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030757.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 11:06
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.348	7.771	2826.9E6	803.7E6	769.348m	749.747
	Target Compounds						
1) T	Dalapon	2.713	2.713	4148.7E6	1852.4E6	695.430	675.645
2) T	3,5-DICHL...	6.507	6.716	3815.5E6	1127.6E6	709.515	699.028
3) T	4-Nitroph...	7.148	7.302	1094.8E6	1180.8E6	694.301	681.131
5) T	DICAMBA	7.539	7.973	11195.5E6	4720.4E6	735.818	720.321
6) T	MCPP	7.720	8.072	699.5E6	161.8E6	74.504	77.164
7) T	MCPA	7.871	8.322	860.6E6	232.5E6	73.361	73.896
8) T	DICHLORPROP	8.252	8.692	2546.5E6	1070.7E6	679.828	680.891
9) T	2,4-D	8.485	9.027	2400.5E6	1208.9E6	696.918	711.343m
10) T	Pentachlo...	8.793	9.553	39394.6E6	28169.7E6	744.341	738.935
11) T	2,4,5-TP ...	9.373	9.934	14659.4E6	10449.6E6	731.859	724.226
12) T	2,4,5-T	9.667	10.360	12301.7E6	9980.4E6	747.681	730.383
13) T	2,4-DB	10.245	10.927	1786.1E6	851.0E6	778.786	719.406
14) T	DINOSEB	11.465	11.313	9855.8E6	7584.5E6	710.419	703.490
15) T	Picloram	11.274	12.422	11528.6E6	16752.0E6	717.125	720.783
16) T	DCPA	11.761	12.357	19342.2E6	16171.1E6	755.075	733.625

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

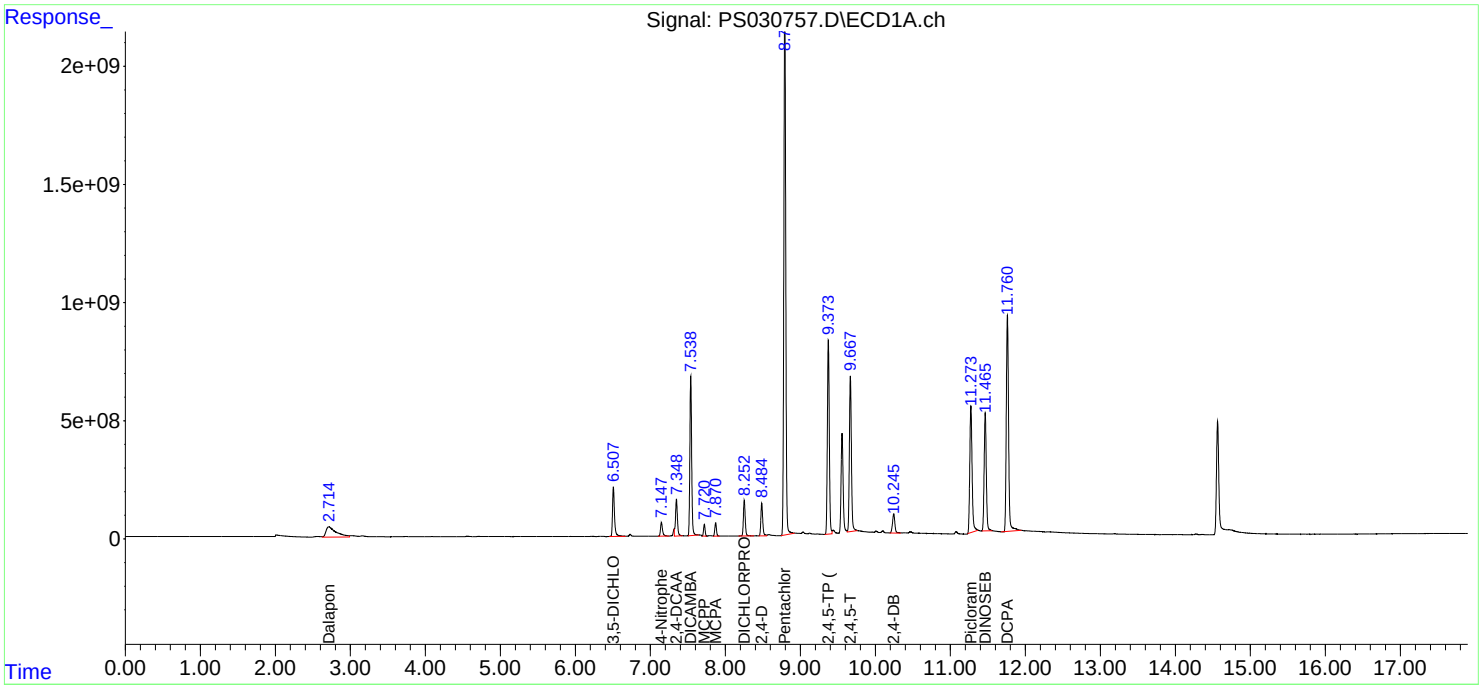
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030757.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 11:06
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

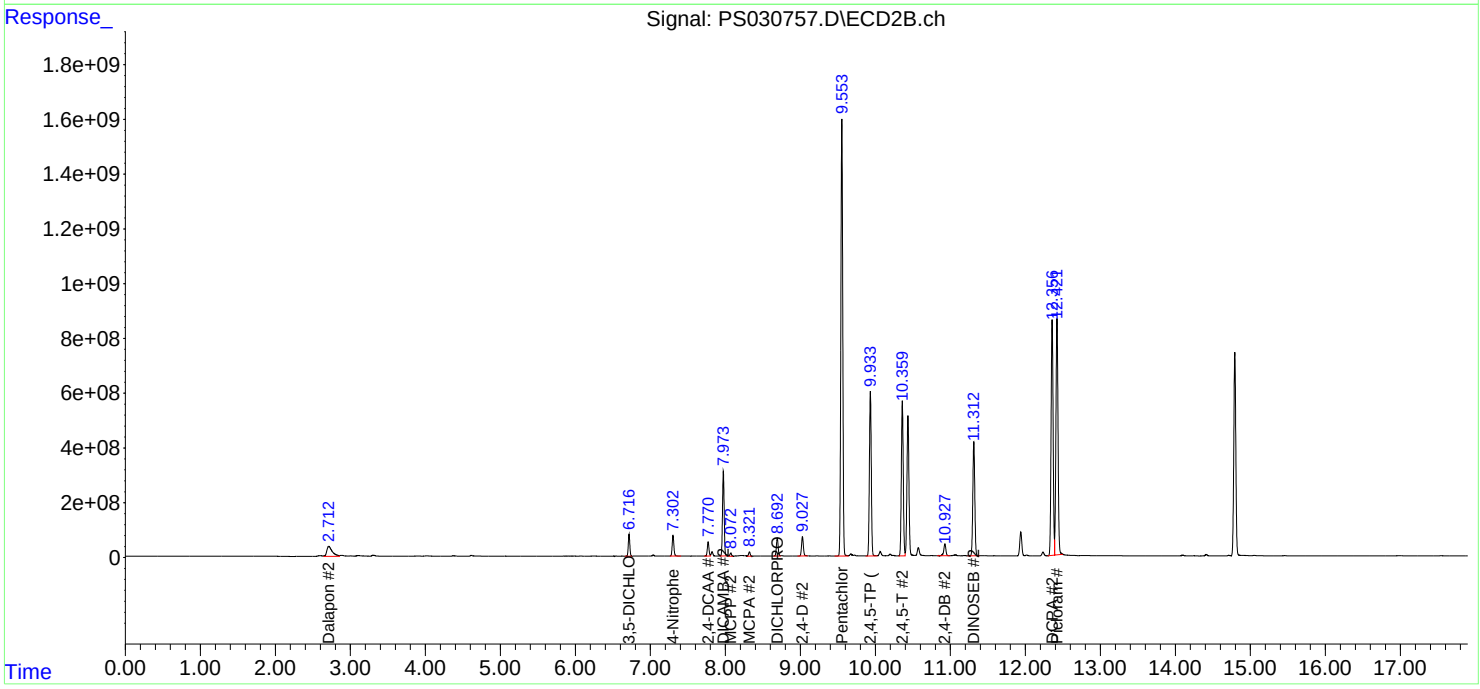
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

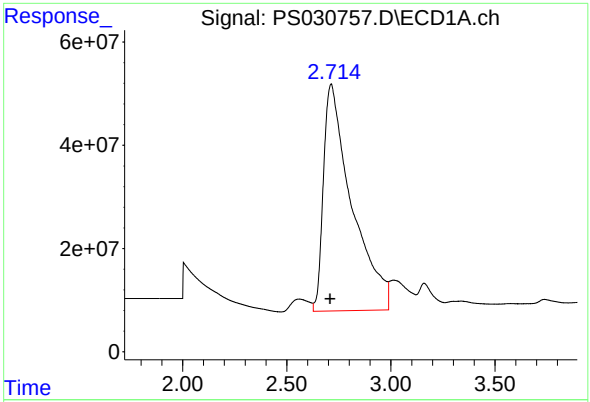
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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







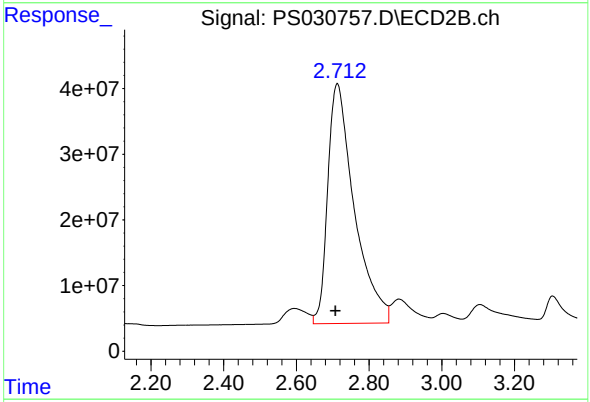
#1 Dalapon

R.T.: 2.713 min
Delta R.T.: 0.005 min
Response: 4148678048
Conc: 695.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

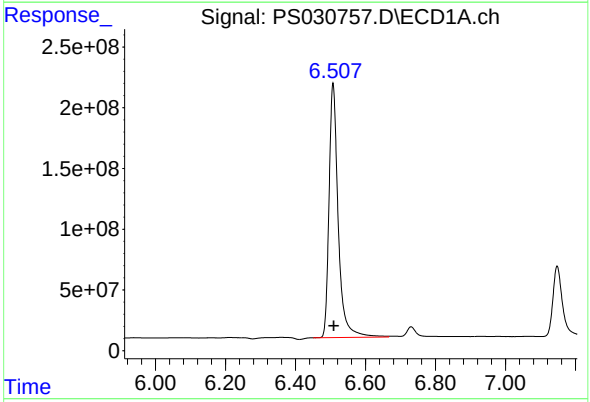
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



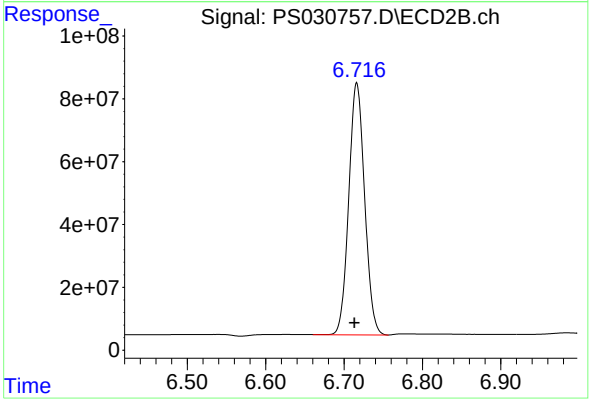
#1 Dalapon

R.T.: 2.713 min
Delta R.T.: 0.005 min
Response: 1852445578
Conc: 675.65 ng/ml



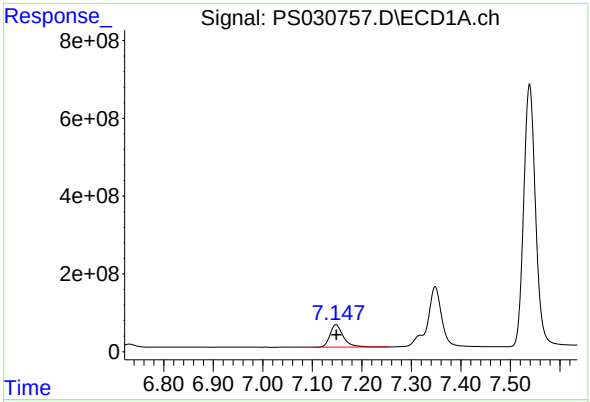
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.507 min
Delta R.T.: -0.002 min
Response: 3815451497
Conc: 709.51 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: 0.003 min
Response: 1127637189
Conc: 699.03 ng/ml



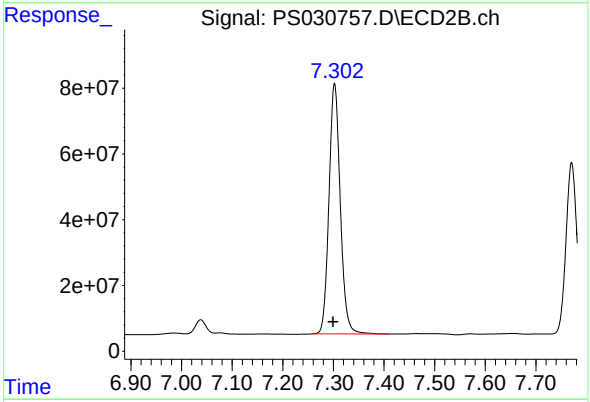
#3 4-Nitrophenol

R.T.: 7.148 min
Delta R.T.: -0.001 min
Response: 1094751323
Conc: 694.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

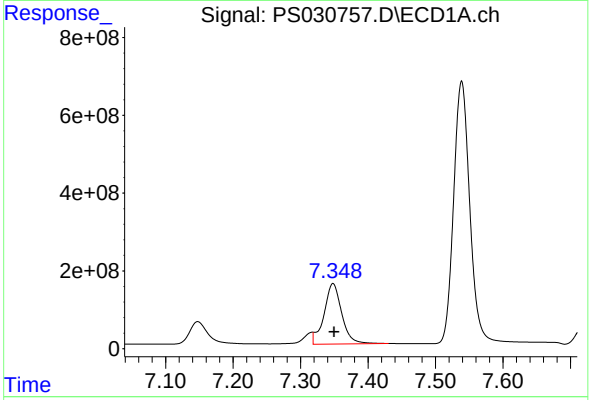
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



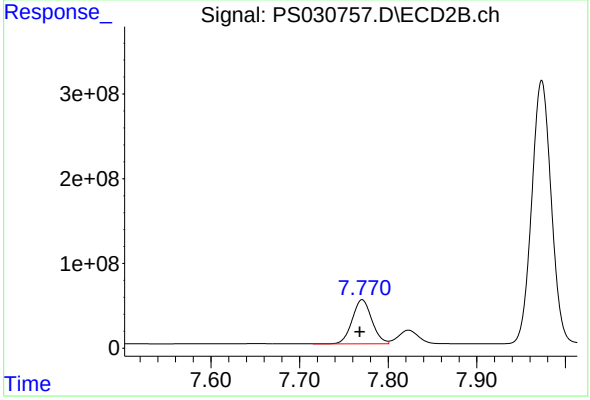
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.003 min
Response: 1180764197
Conc: 681.13 ng/ml



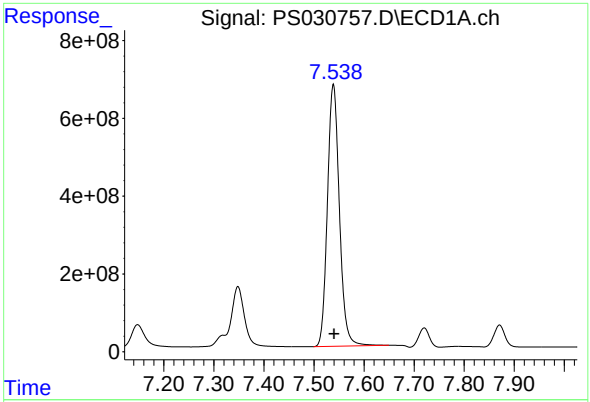
#4 2,4-DCAA

R.T.: 7.348 min
Delta R.T.: -0.002 min
Response: 2826888272
Conc: 769.35 ng/ml m



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: 0.003 min
Response: 803701138
Conc: 749.75 ng/ml



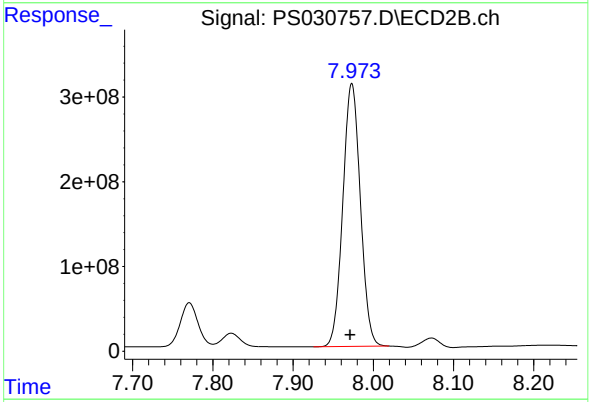
#5 DICAMBA

R.T.: 7.539 min
Delta R.T.: -0.002 min
Response: 11195534373
Conc: 735.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

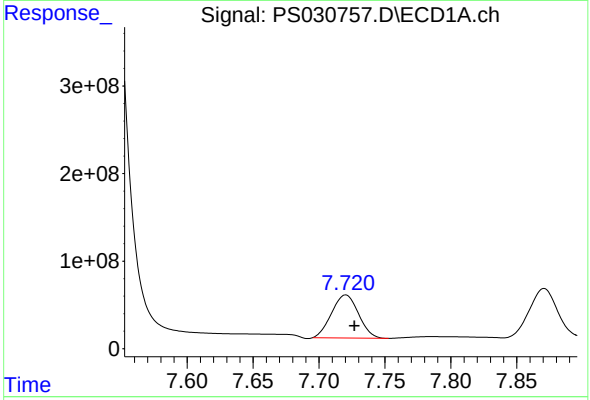
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



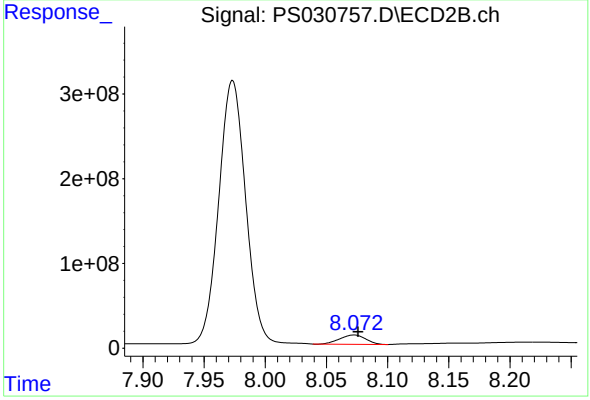
#5 DICAMBA

R.T.: 7.973 min
Delta R.T.: 0.002 min
Response: 4720417533
Conc: 720.32 ng/ml



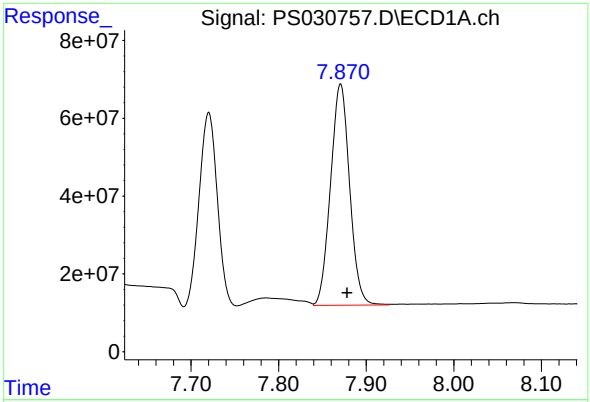
#6 MCPP

R.T.: 7.720 min
Delta R.T.: -0.007 min
Response: 699471539
Conc: 74.50 ug/ml



#6 MCPP

R.T.: 8.072 min
Delta R.T.: -0.003 min
Response: 161836245
Conc: 77.16 ug/ml



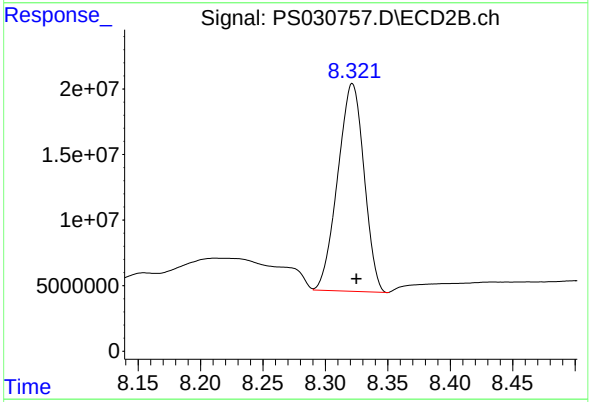
#7 MCPA

R.T.: 7.871 min
Delta R.T.: -0.007 min
Response: 860562954
Conc: 73.36 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

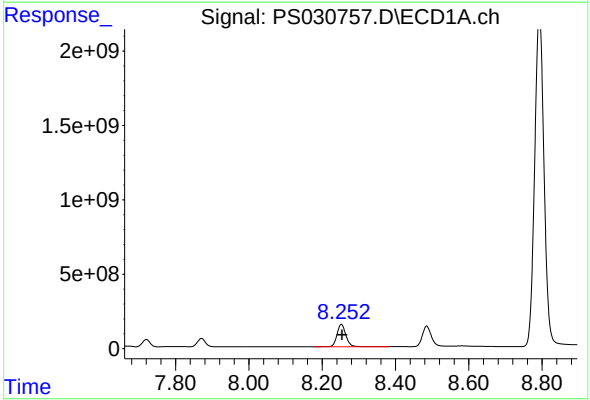
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



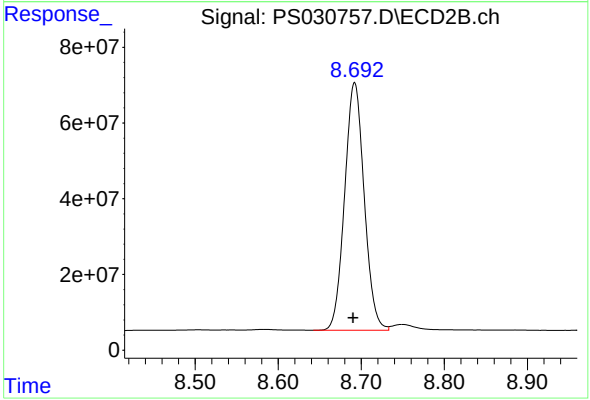
#7 MCPA

R.T.: 8.322 min
Delta R.T.: -0.003 min
Response: 232457459
Conc: 73.90 ug/ml



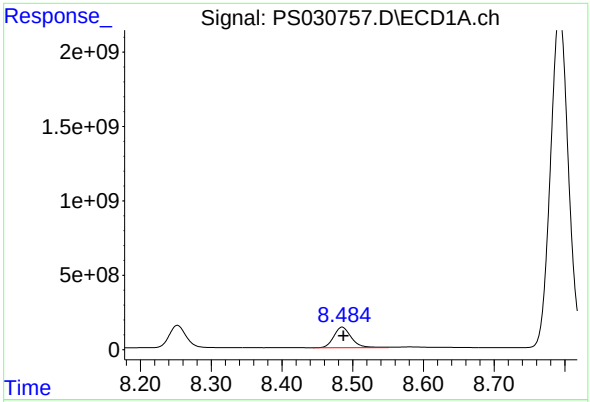
#8 DICHLORPROP

R.T.: 8.252 min
Delta R.T.: -0.002 min
Response: 2546475249
Conc: 679.83 ng/ml



#8 DICHLORPROP

R.T.: 8.692 min
Delta R.T.: 0.002 min
Response: 1070697560
Conc: 680.89 ng/ml



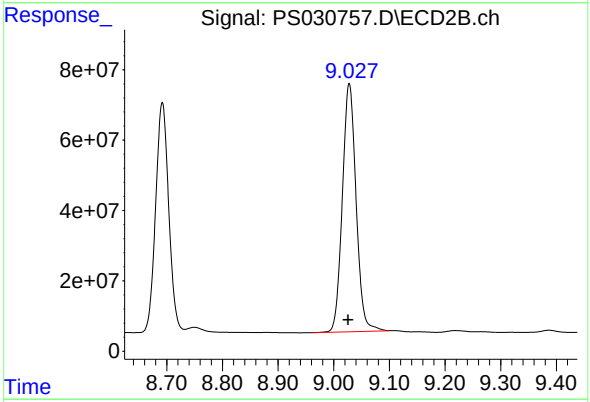
#9 2,4-D

R.T.: 8.485 min
Delta R.T.: -0.002 min
Response: 2400473684
Conc: 696.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

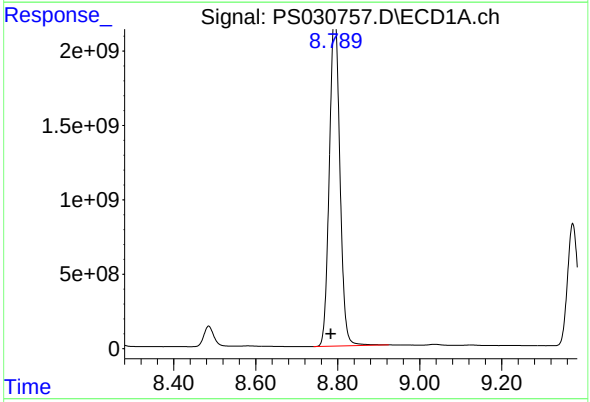
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



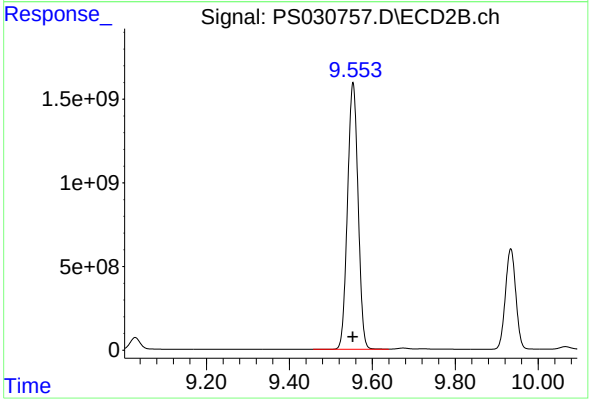
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.002 min
Response: 1208860122
Conc: 711.34 ng/ml m



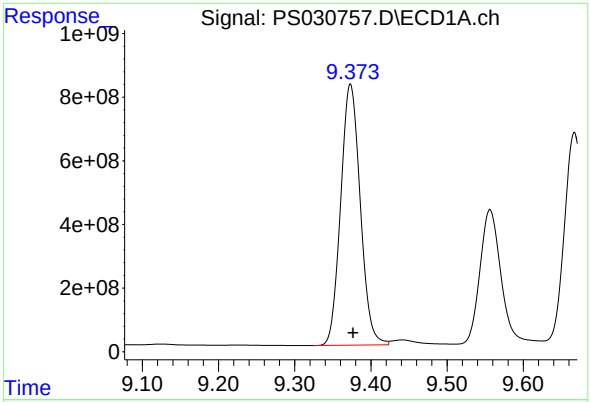
#10 Pentachlorophenol

R.T.: 8.793 min
Delta R.T.: 0.010 min
Response: 39394563324
Conc: 744.34 ng/ml



#10 Pentachlorophenol

R.T.: 9.553 min
Delta R.T.: 0.000 min
Response: 28169737133
Conc: 738.93 ng/ml



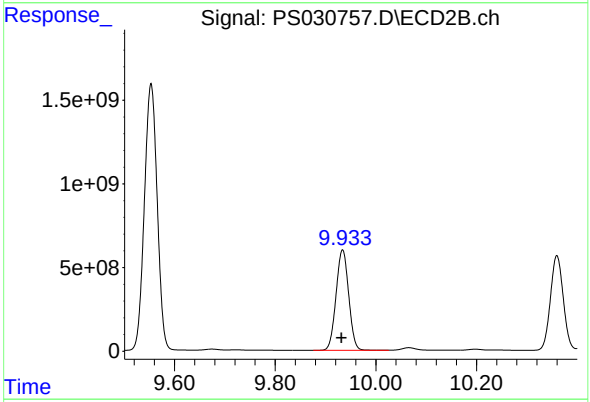
#11 2,4,5-TP (SILVEX)

R.T.: 9.373 min
Delta R.T.: -0.003 min
Response: 14659435847
Conc: 731.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

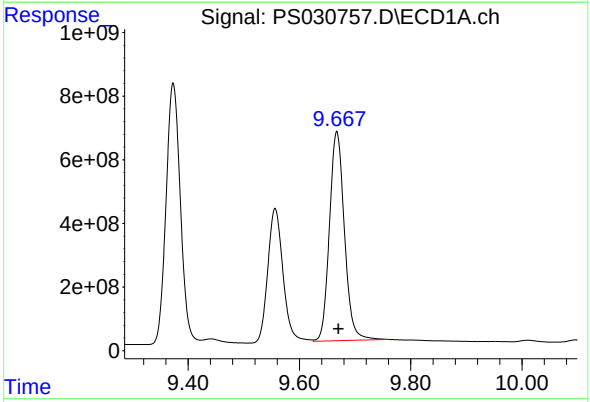
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



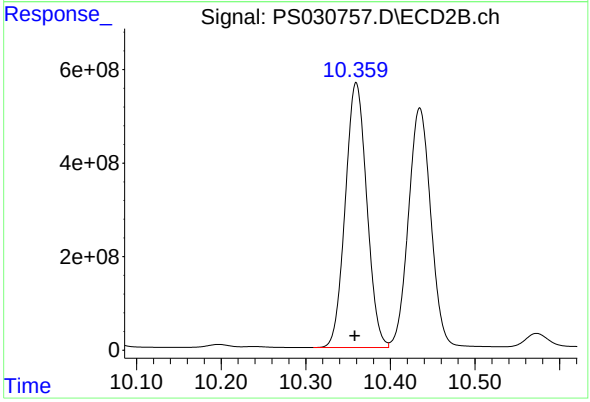
#11 2,4,5-TP (SILVEX)

R.T.: 9.934 min
Delta R.T.: 0.002 min
Response: 10449639949
Conc: 724.23 ng/ml



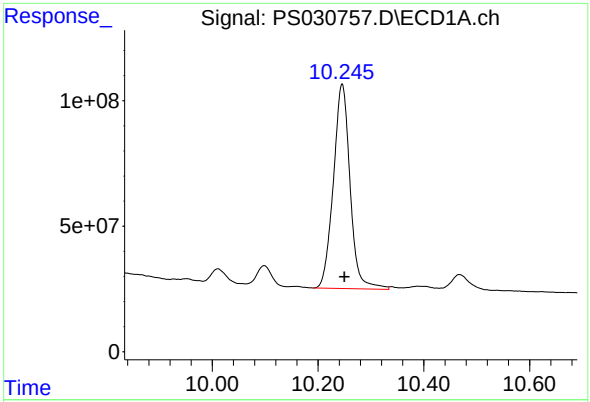
#12 2,4,5-T

R.T.: 9.667 min
Delta R.T.: -0.003 min
Response: 12301714505
Conc: 747.68 ng/ml



#12 2,4,5-T

R.T.: 10.360 min
Delta R.T.: 0.002 min
Response: 9980404895
Conc: 730.38 ng/ml



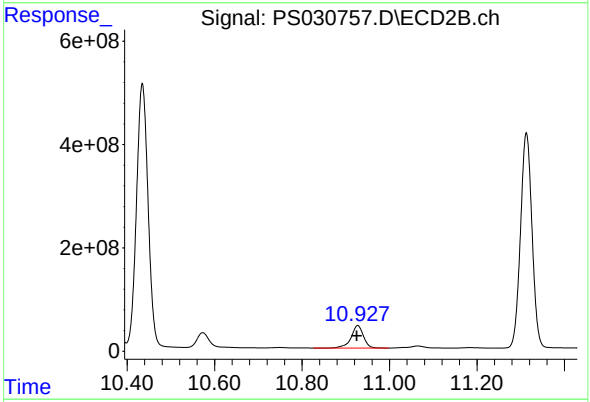
#13 2,4-DB

R.T.: 10.245 min
Delta R.T.: -0.004 min
Response: 1786148671
Conc: 778.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

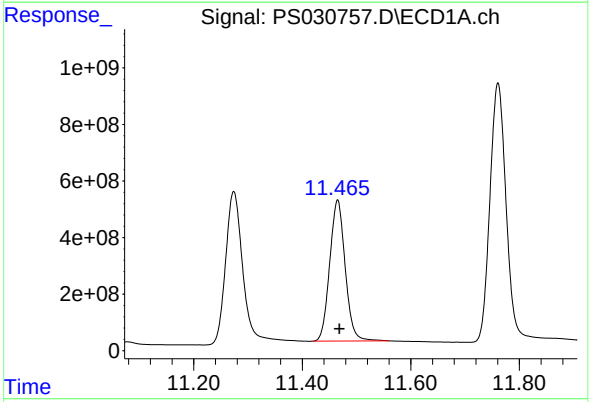
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



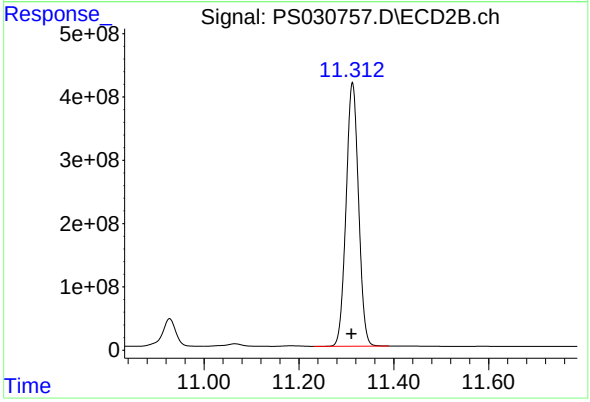
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.002 min
Response: 850987400
Conc: 719.41 ng/ml



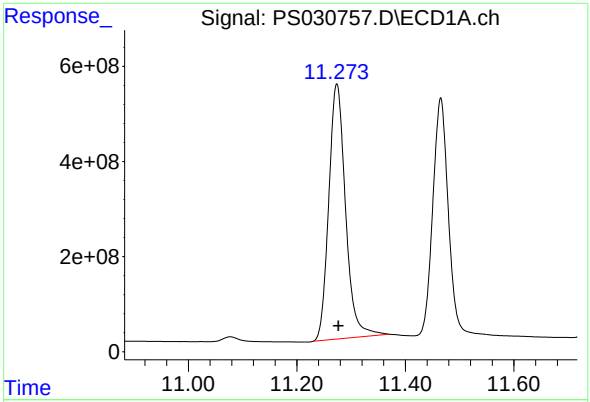
#14 DINOSEB

R.T.: 11.465 min
Delta R.T.: -0.003 min
Response: 9855766896
Conc: 710.42 ng/ml



#14 DINOSEB

R.T.: 11.313 min
Delta R.T.: 0.002 min
Response: 7584503944
Conc: 703.49 ng/ml



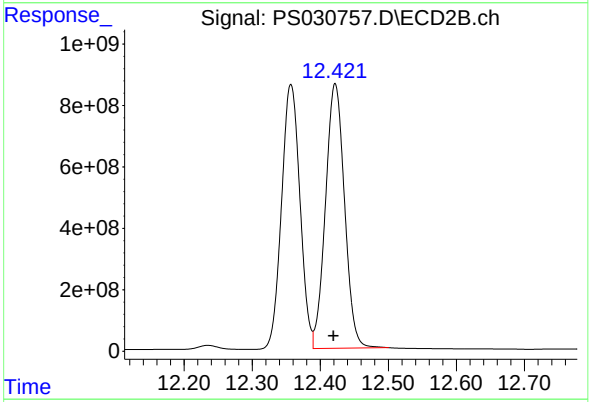
#15 Picloram

R.T.: 11.274 min
Delta R.T.: -0.003 min
Response: 11528585867
Conc: 717.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

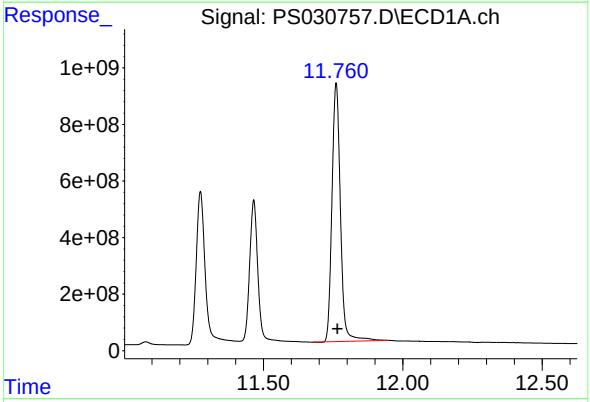
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



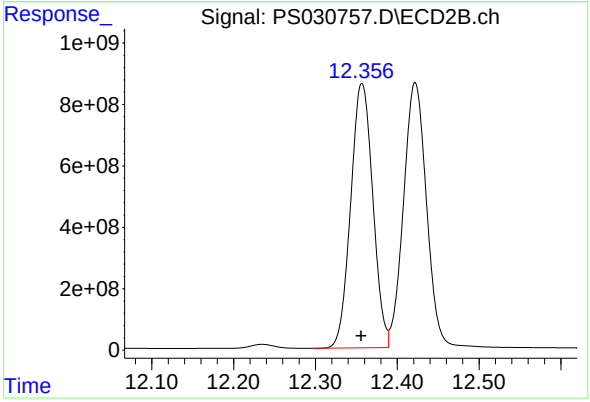
#15 Picloram

R.T.: 12.422 min
Delta R.T.: 0.003 min
Response: 16752030729
Conc: 720.78 ng/ml



#16 DCPA

R.T.: 11.761 min
Delta R.T.: -0.004 min
Response: 19342207257
Conc: 755.08 ng/ml



#16 DCPA

R.T.: 12.357 min
Delta R.T.: 0.001 min
Response: 16171136433
Conc: 733.62 ng/ml

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2259

Project: Raymark Superfund Site **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	06/10/2025	12:03	PS030593.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/10/2025	12:27	PS030594.D	7.36	0.00
OU4-PCS-TC-36-060525	Q2259-01	06/10/2025	18:00	PS030601.D	7.36	0.00
OU4-PCS-TC-37-060525	Q2259-03	06/10/2025	18:24	PS030602.D	7.36	0.00
I.BLK	I.BLK	06/10/2025	19:37	PS030605.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/10/2025	20:01	PS030606.D	7.36	0.00
I.BLK	I.BLK	06/11/2025	08:46	PS030620.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	09:10	PS030621.D	7.36	0.00
PB168375BS	PB168375BS	06/11/2025	14:06	PS030628.D	7.36	0.00
I.BLK	I.BLK	06/11/2025	14:30	PS030629.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	15:32	PS030630.D	7.36	0.00
I.BLK	I.BLK	06/16/2025	09:32	PS030680.D	7.35	0.00
HSTDICC200	HSTDICC200	06/16/2025	09:56	PS030681.D	7.35	0.00
HSTDICC500	HSTDICC500	06/16/2025	10:20	PS030682.D	7.35	0.00
HSTDICC750	HSTDICC750	06/16/2025	10:44	PS030683.D	7.35	0.00
HSTDICC1000	HSTDICC1000	06/16/2025	11:09	PS030684.D	7.35	0.00
HSTDICC1500	HSTDICC1500	06/16/2025	11:33	PS030685.D	7.35	0.00
I.BLK	I.BLK	06/16/2025	12:23	PS030687.D	7.35	0.00
HSTDCCC750	HSTDCCC750	06/16/2025	13:11	PS030688.D	7.35	0.00
PB168375BL	PB168375BL	06/16/2025	14:53	PS030692.D	7.35	0.00
I.BLK	I.BLK	06/16/2025	17:01	PS030697.D	7.35	0.00
HSTDCCC750	HSTDCCC750	06/16/2025	17:25	PS030698.D	7.35	0.00
I.BLK	I.BLK	06/18/2025	11:01	PS030738.D	7.35	0.00
HSTDICC200	HSTDICC200	06/18/2025	11:25	PS030739.D	7.35	0.00
HSTDICC500	HSTDICC500	06/18/2025	11:49	PS030740.D	7.35	0.00
HSTDICC750	HSTDICC750	06/18/2025	12:13	PS030741.D	7.35	0.00
HSTDICC1000	HSTDICC1000	06/18/2025	12:37	PS030742.D	7.35	0.00
HSTDICC1500	HSTDICC1500	06/18/2025	13:29	PS030743.D	7.35	0.00
I.BLK	I.BLK	06/19/2025	09:01	PS030752.D	7.35	0.00
HSTDCCC750	HSTDCCC750	06/19/2025	09:25	PS030753.D	7.35	0.00
WC-3MS	Q2266-01MS	06/19/2025	09:50	PS030754.D	7.35	0.00
WC-3MSD	Q2266-01MSD	06/19/2025	10:18	PS030755.D	7.35	0.00
I.BLK	I.BLK	06/19/2025	10:42	PS030756.D	7.35	0.00
HSTDCCC750	HSTDCCC750	06/19/2025	11:06	PS030757.D	7.35	0.00

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2259

Project: Raymark Superfund Site **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	06/10/2025	12:03	PS030593.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/10/2025	12:27	PS030594.D	7.77	0.00
OU4-PCS-TC-36-060525	Q2259-01	06/10/2025	18:00	PS030601.D	7.77	0.00
OU4-PCS-TC-37-060525	Q2259-03	06/10/2025	18:24	PS030602.D	7.77	0.00
I.BLK	I.BLK	06/10/2025	19:37	PS030605.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/10/2025	20:01	PS030606.D	7.77	0.00
I.BLK	I.BLK	06/11/2025	08:46	PS030620.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	09:10	PS030621.D	7.77	0.00
PB168375BS	PB168375BS	06/11/2025	14:06	PS030628.D	7.76	0.00
I.BLK	I.BLK	06/11/2025	14:30	PS030629.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/11/2025	15:32	PS030630.D	7.77	0.00
I.BLK	I.BLK	06/16/2025	09:32	PS030680.D	7.77	0.00
HSTDICC200	HSTDICC200	06/16/2025	09:56	PS030681.D	7.77	0.00
HSTDICC500	HSTDICC500	06/16/2025	10:20	PS030682.D	7.77	0.00
HSTDICC750	HSTDICC750	06/16/2025	10:44	PS030683.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/16/2025	11:09	PS030684.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/16/2025	11:33	PS030685.D	7.77	0.00
I.BLK	I.BLK	06/16/2025	12:23	PS030687.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/16/2025	13:11	PS030688.D	7.77	0.00
PB168375BL	PB168375BL	06/16/2025	14:53	PS030692.D	7.77	0.00
I.BLK	I.BLK	06/16/2025	17:01	PS030697.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/16/2025	17:25	PS030698.D	7.77	0.00
I.BLK	I.BLK	06/18/2025	11:01	PS030738.D	7.77	0.00
HSTDICC200	HSTDICC200	06/18/2025	11:25	PS030739.D	7.77	0.00
HSTDICC500	HSTDICC500	06/18/2025	11:49	PS030740.D	7.77	0.00
HSTDICC750	HSTDICC750	06/18/2025	12:13	PS030741.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/18/2025	12:37	PS030742.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/18/2025	13:29	PS030743.D	7.77	0.00
I.BLK	I.BLK	06/19/2025	09:01	PS030752.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/19/2025	09:25	PS030753.D	7.77	0.00
WC-3MS	Q2266-01MS	06/19/2025	09:50	PS030754.D	7.77	0.00
WC-3MSD	Q2266-01MSD	06/19/2025	10:18	PS030755.D	7.77	0.00
I.BLK	I.BLK	06/19/2025	10:42	PS030756.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/19/2025	11:06	PS030757.D	7.77	0.00

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168375BS

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Lab Sample ID: PB168375BS **Date(s) Analyzed:** 06/11/2025 06/11/2025

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
2,4,5-T	1	9.68	9.63	9.73	150	6.5
	2	10.36	10.31	10.41	160	
2,4,5-TP(Silvex)	1	9.39	9.34	9.44	159	1.3
	2	9.93	9.88	9.98	161	
2,4-D	1	8.50	8.45	8.55	155	4.4
	2	9.02	8.97	9.07	162	
2,4-DB	1	10.26	10.21	10.31	136	13.7
	2	10.92	10.87	10.97	156	
Dalapon	1	2.71	2.66	2.76	156	3.9
	2	2.71	2.66	2.76	150	
DICHLORPROP	1	8.26	8.21	8.31	154	1.9
	2	8.69	8.64	8.74	157	
Dinoseb	1	11.48	11.43	11.53	154	1.9
	2	11.31	11.26	11.36	157	
DICAMBA	1	7.55	7.50	7.60	160	2.5
	2	7.97	7.92	8.02	156	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3MS

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Lab Sample ID: Q2266-01MS **Date(s) Analyzed:** 06/19/2025 06/19/2025

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
Dalapon	1	2.71	2.66	2.76	66.2	110
	2	2.71	2.66	2.76	228	
DICHLORPROP	1	8.25	8.20	8.30	150	3.4
	2	8.69	8.64	8.74	145	
2,4-D	1	8.49	8.44	8.54	170	2.4
	2	9.03	8.98	9.08	166	
2,4,5-TP(Silvex)	1	9.37	9.32	9.42	164	35.6
	2	9.93	9.88	9.98	235	
2,4,5-T	1	9.67	9.62	9.72	154	1.3
	2	10.36	10.31	10.41	156	
2,4-DB	1	10.25	10.20	10.30	146	5.3
	2	10.93	10.88	10.98	154	
Dinoseb	1	11.47	11.42	11.52	86.5	5.6
	2	11.31	11.26	11.36	81.8	
DICAMBA	1	7.54	7.49	7.59	141	0.7
	2	7.97	7.92	8.02	140	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3MSD

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Lab Sample ID: Q2266-01MSD **Date(s) Analyzed:** 06/19/2025 06/19/2025

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
Dalapon	1	2.70	2.65	2.75	64.2	113.6
	2	2.71	2.66	2.76	233	
DICHLORPROP	1	8.25	8.20	8.30	150	2
	2	8.69	8.64	8.74	147	
2,4-D	1	8.49	8.44	8.54	170	1.2
	2	9.03	8.98	9.08	168	
2,4,5-TP(Silvex)	1	9.37	9.32	9.42	164	35.6
	2	9.93	9.88	9.98	235	
2,4,5-T	1	9.67	9.62	9.72	153	1.3
	2	10.36	10.31	10.41	155	
2,4-DB	1	10.25	10.20	10.30	144	6.1
	2	10.93	10.88	10.98	153	
Dinoseb	1	11.47	11.42	11.52	86.6	5.8
	2	11.31	11.26	11.36	81.7	
DICAMBA	1	7.54	7.49	7.59	142	1.4
	2	7.97	7.92	8.02	140	

QC SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168375BL	SDG No.:	Q2259
Lab Sample ID:	PB168375BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030692.D	1	06/10/25 09:42	06/16/25 14:53	PB168375

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.033	U	0.0077	0.033	0.067	mg/Kg
75-99-0	DALAPON	0.050	U	0.018	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.033	U	0.013	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.033	U	0.0090	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.033	U	0.0091	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.033	U	0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.033	U	0.024	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.033	U	0.011	0.033	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	404		27 - 122		81%	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\PS061625\
Data File : PS030692.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 14:53
Operator : AR\AJ
Sample : PB168375BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168375BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 04:13:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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	7.352	7.766	1444.0E6	436.3E6	383.968	404.052
	Target Compounds						

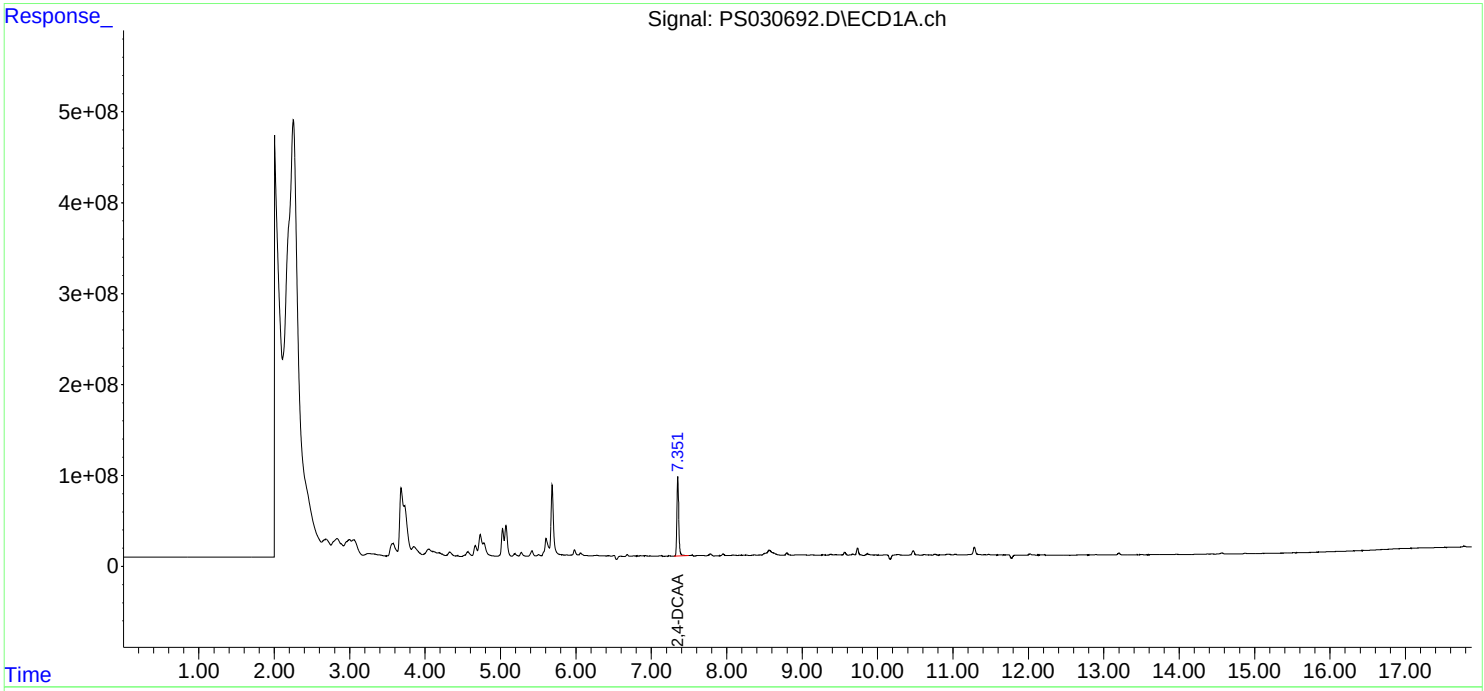
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

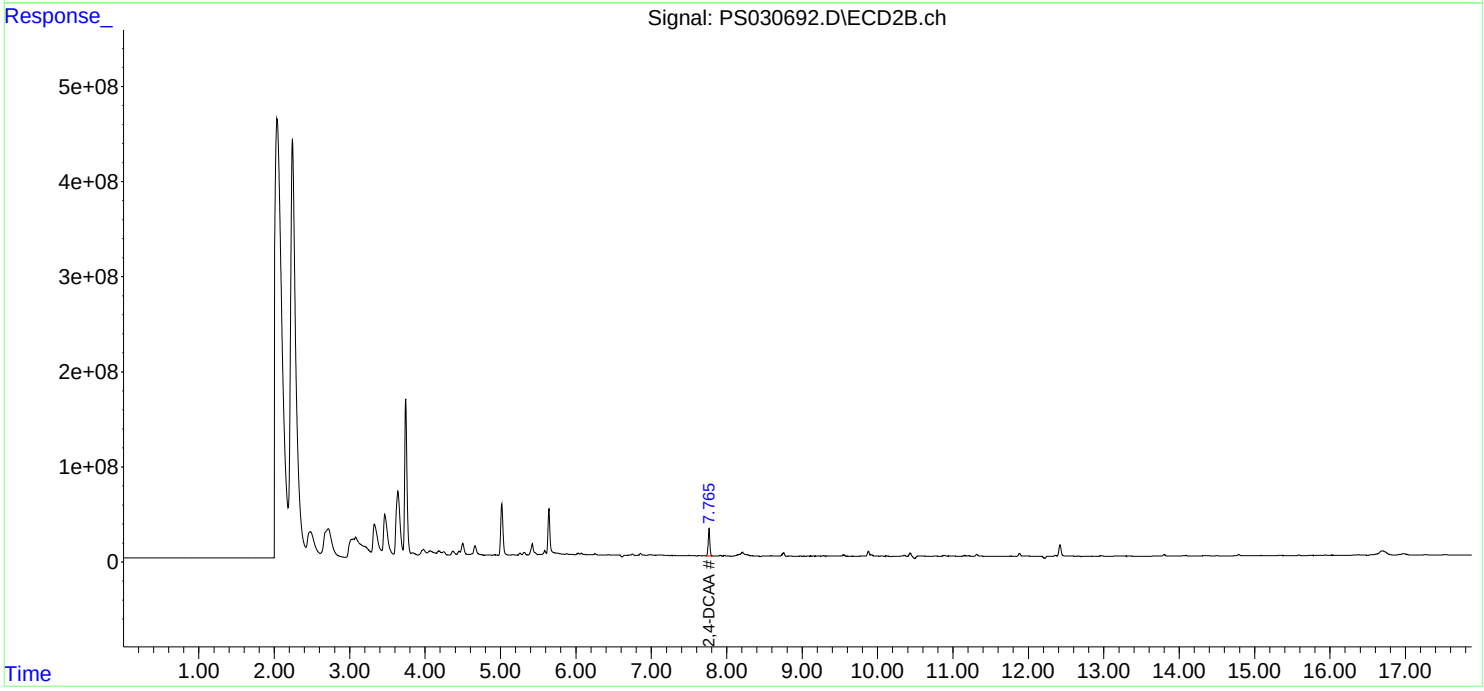
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030692.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 14:53
Operator : AR\AJ
Sample : PB168375BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

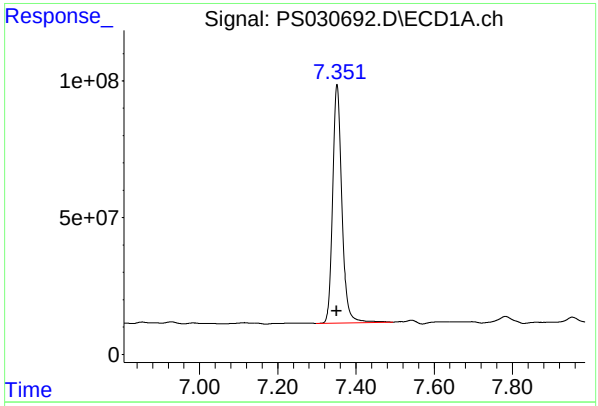
Instrument :
ECD_S
ClientSampleId :
PB168375BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 04:13:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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



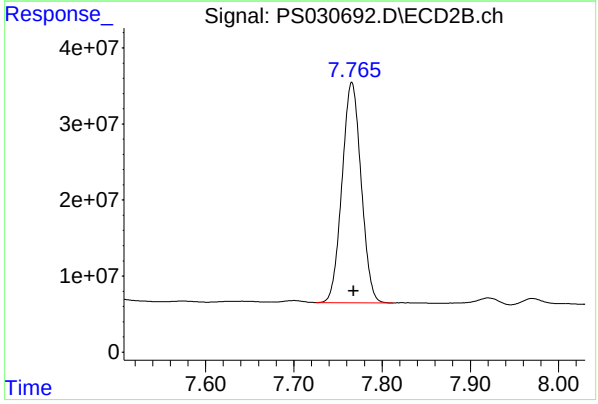




#4 2,4-DCAA

R.T.: 7.352 min
Delta R.T.: 0.001 mi
Response: 1444033932
Conc: 383.97 ng/m

Instrument :
ECD_S
ClientSampleId :
PB168375BL



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 436251232
Conc: 404.05 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/04/25
Project:	Raymark Superfund Site	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030475.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030475.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
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	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	445		32 - 138		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						

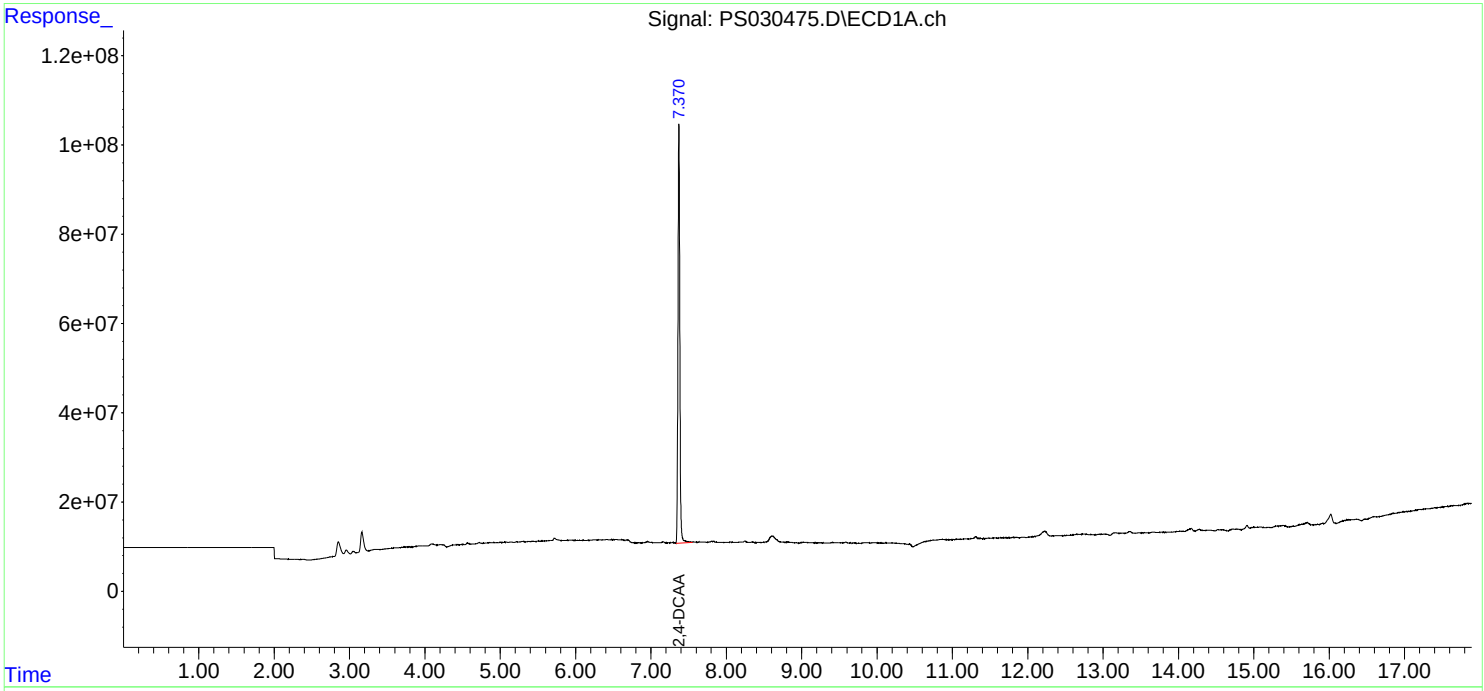
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

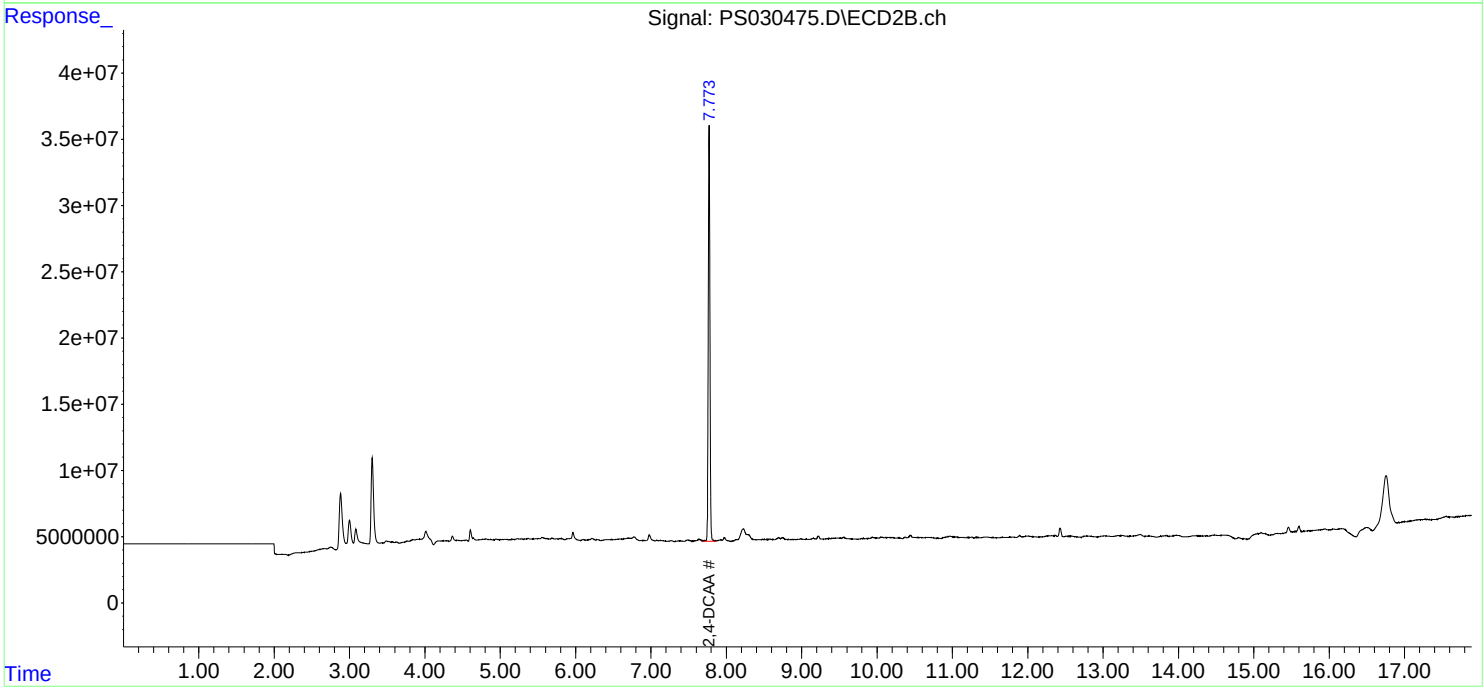
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

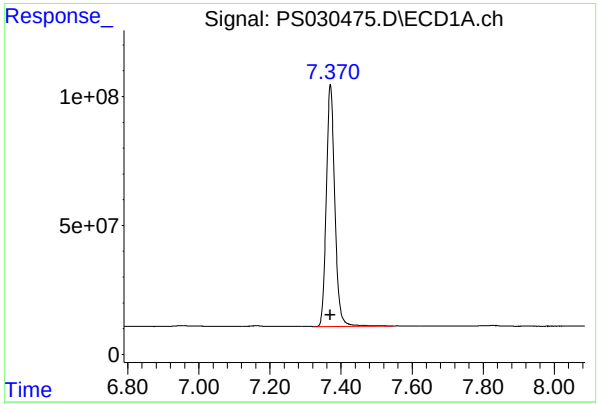
Instrument :
ECD_S
ClientSampleId :
I.BLK

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



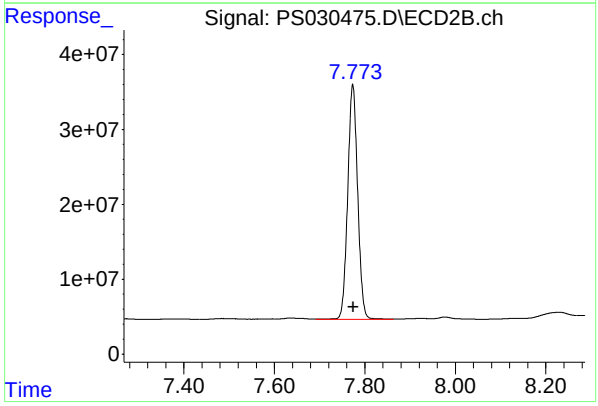




#4 2,4-DCAA

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

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/10/25
Project:	Raymark Superfund Site	Date Received:	06/10/25
Client Sample ID:	PIBLK-PS030593.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030593.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030593.D	1		06/10/25	ps061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	475		32 - 138		95%	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\PS061025\
Data File : PS030593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 12:03
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 11 01:35:54 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	7.360	7.768	1731.7E6	510.7E6	458.719	474.837
	Target Compounds						

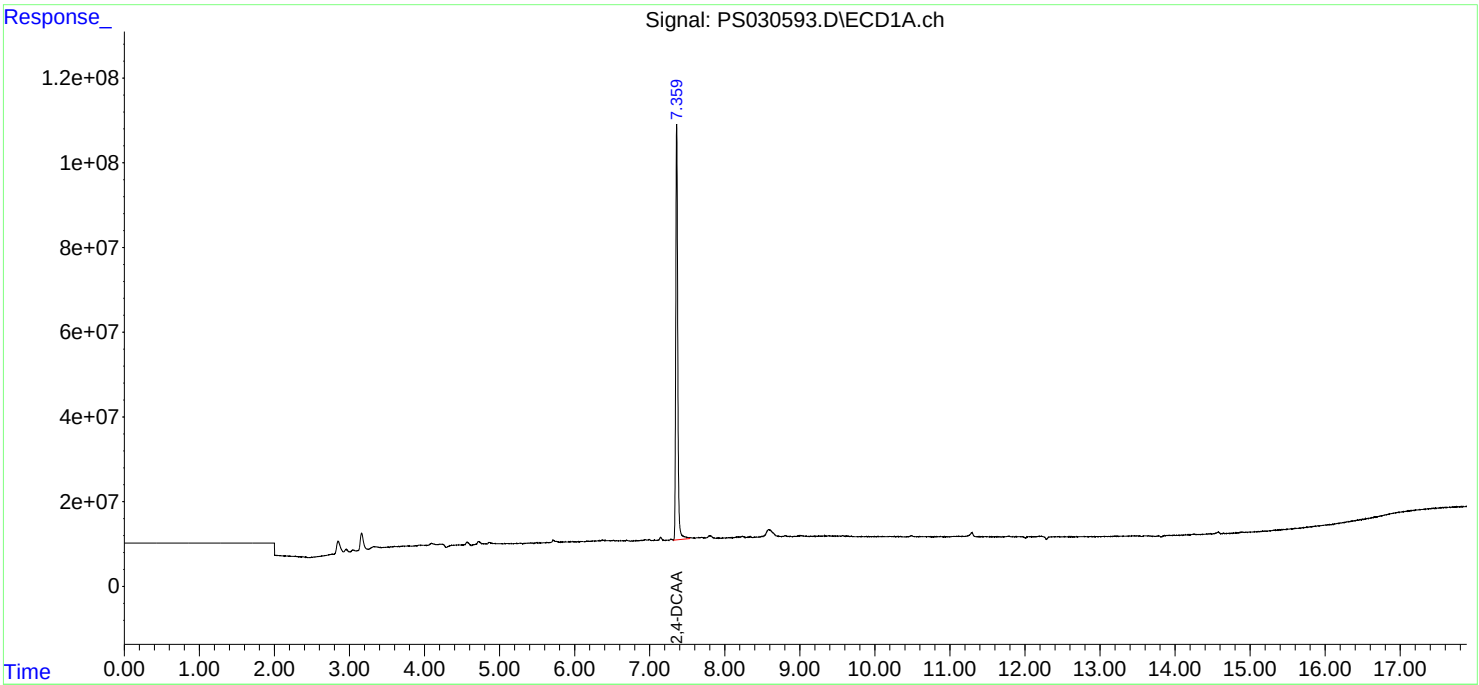
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

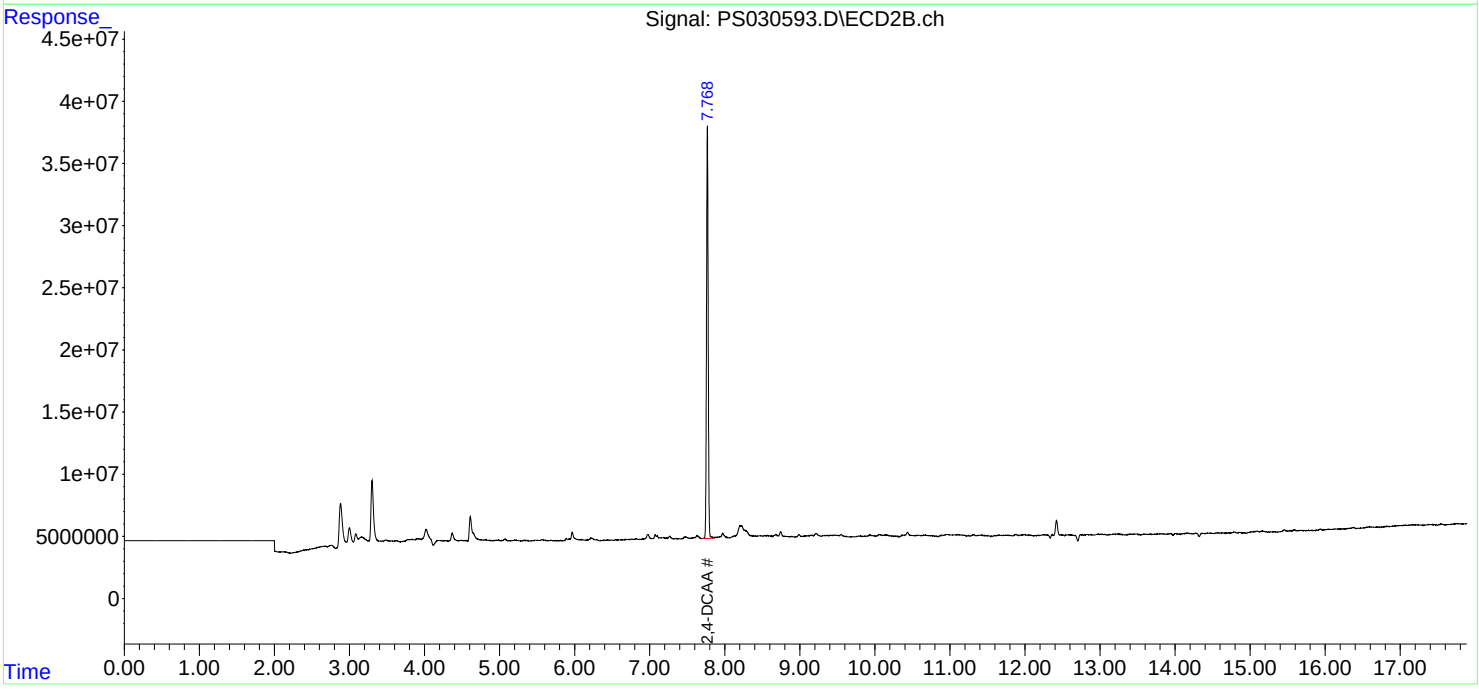
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 12:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

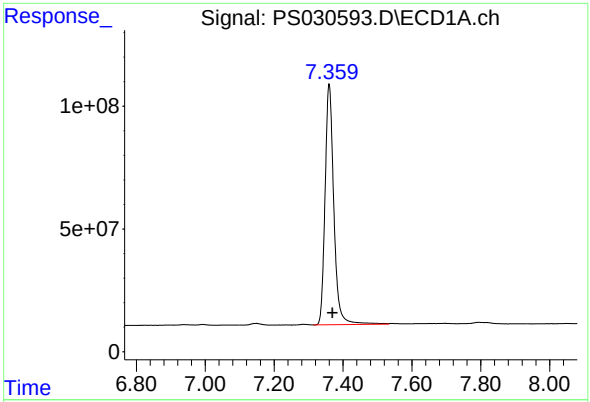
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:35:54 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



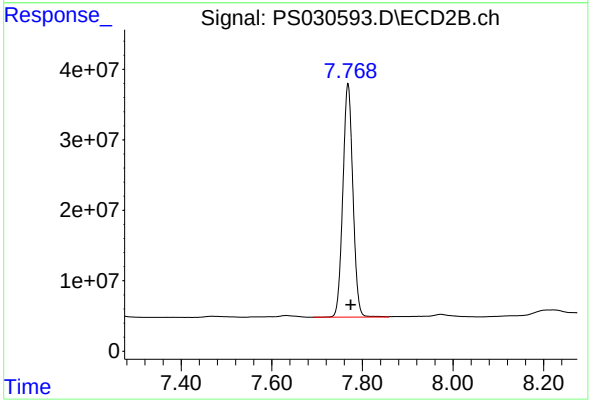




#4 2,4-DCAA

R.T.: 7.360 min
Delta R.T.: -0.009 min
Response: 1731731529
Conc: 458.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: -0.006 min
Response: 510739465
Conc: 474.84 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/10/25
Project:	Raymark Superfund Site	Date Received:	06/10/25
Client Sample ID:	PIBLK-PS030605.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030605.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030605.D	1		06/10/25	ps061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	481		32 - 138		96%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 19:37
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 11 01:38:10 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	7.359	7.769	1705.9E6	517.2E6	451.868	480.801
	Target Compounds						

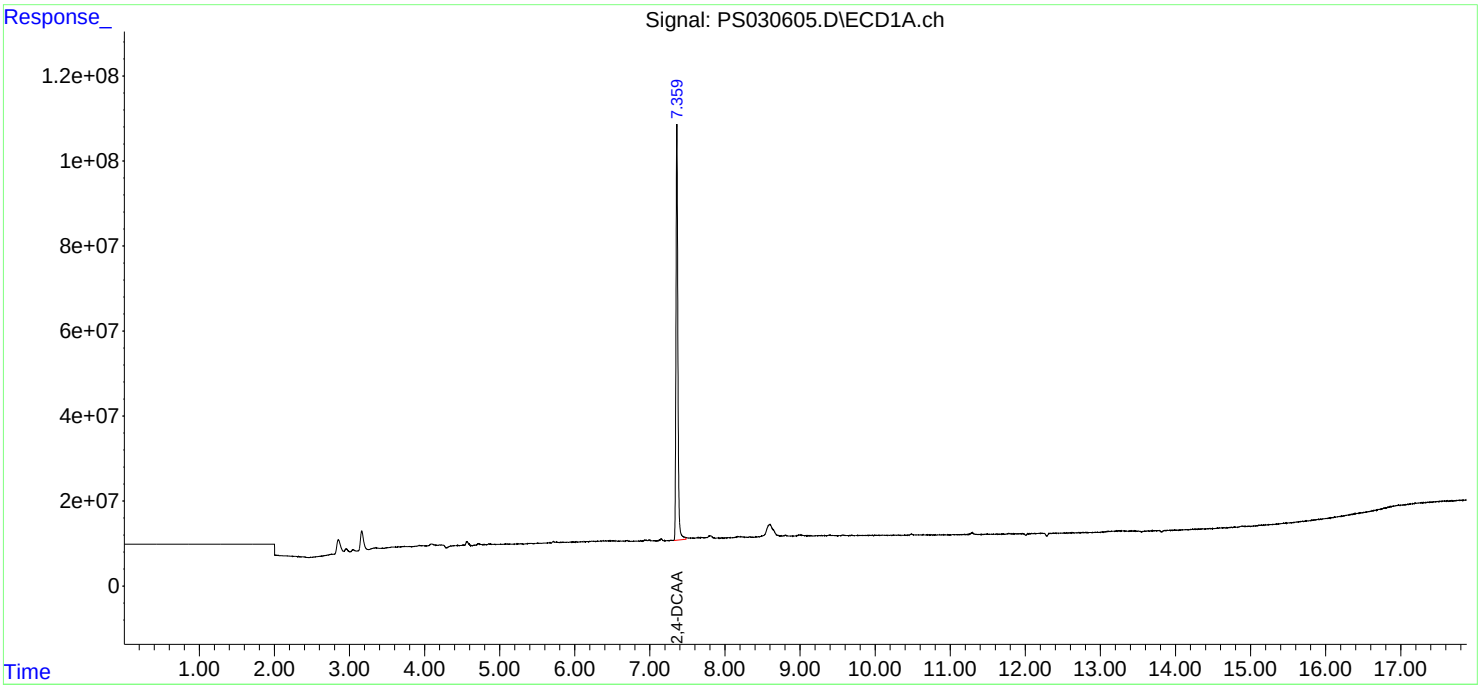
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

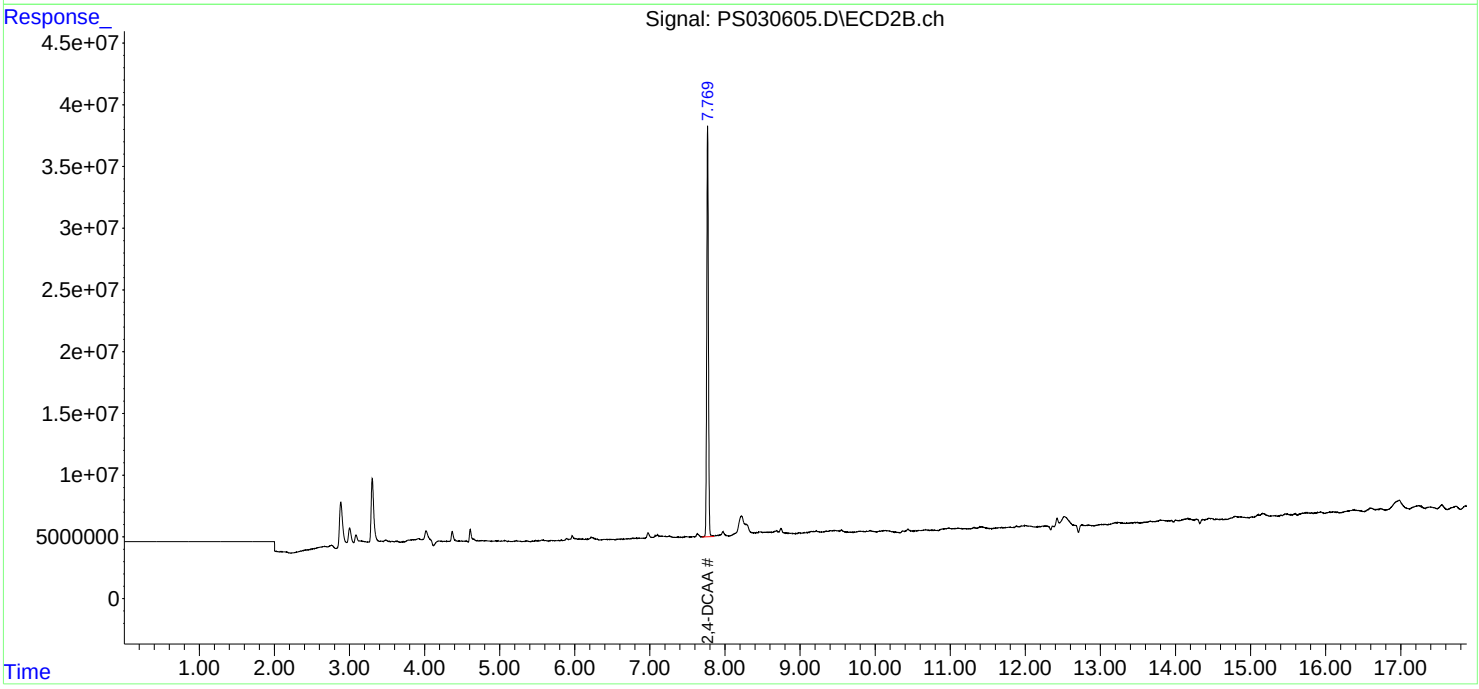
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 19:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

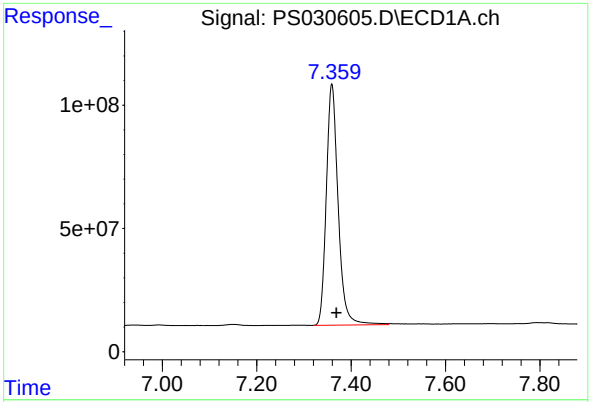
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:38:10 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 0.25µm



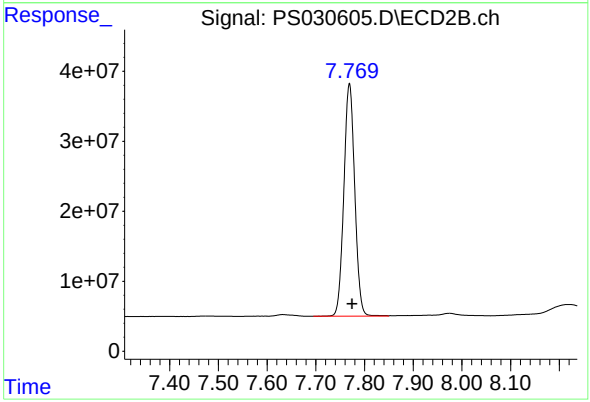




#4 2,4-DCAA

R.T.: 7.359 min
Delta R.T.: -0.010 min
Response: 1705869137
Conc: 451.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: -0.005 min
Response: 517154089
Conc: 480.80 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/11/25
Project:	Raymark Superfund Site	Date Received:	06/11/25
Client Sample ID:	PIBLK-PS030620.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030620.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030620.D	1		06/11/25	ps061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	487		32 - 138		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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 08:46
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 12 02:03:43 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	7.357	7.767	1694.7E6	524.0E6	448.916	487.169
	Target Compounds						

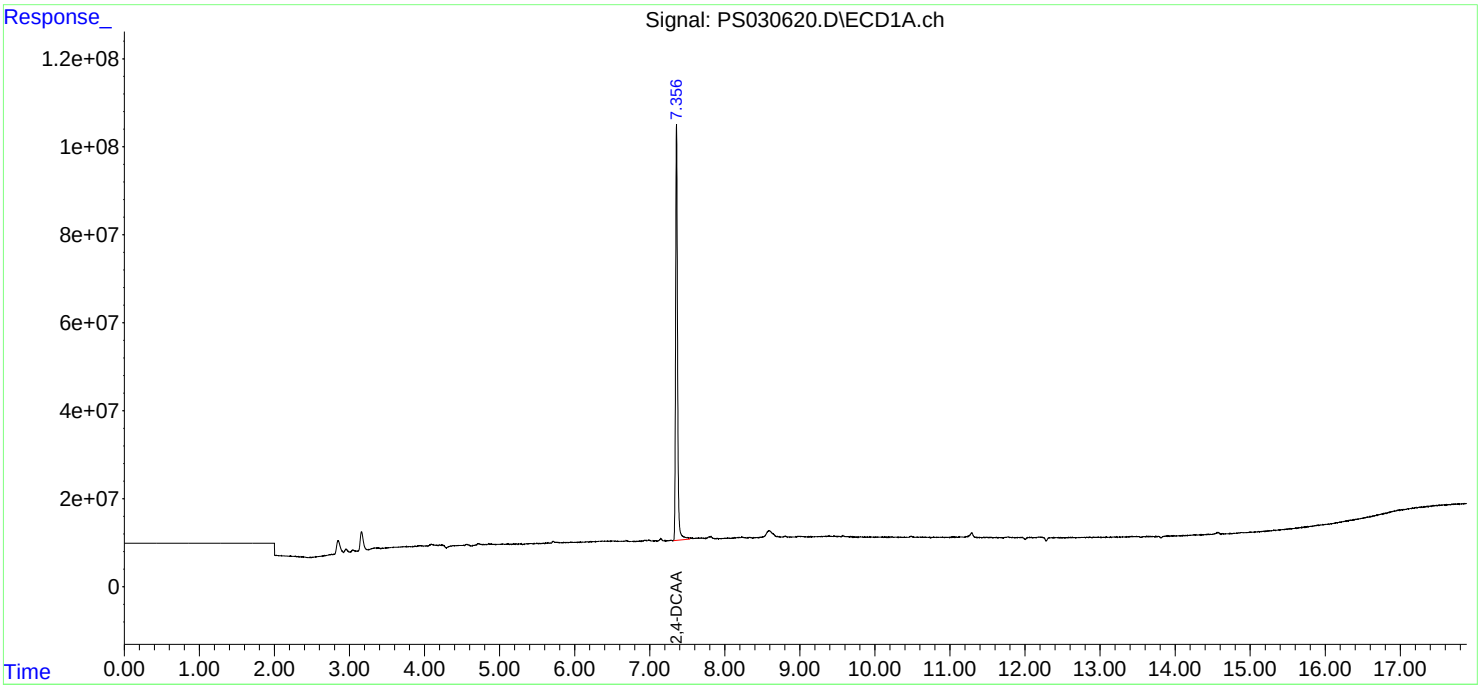
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

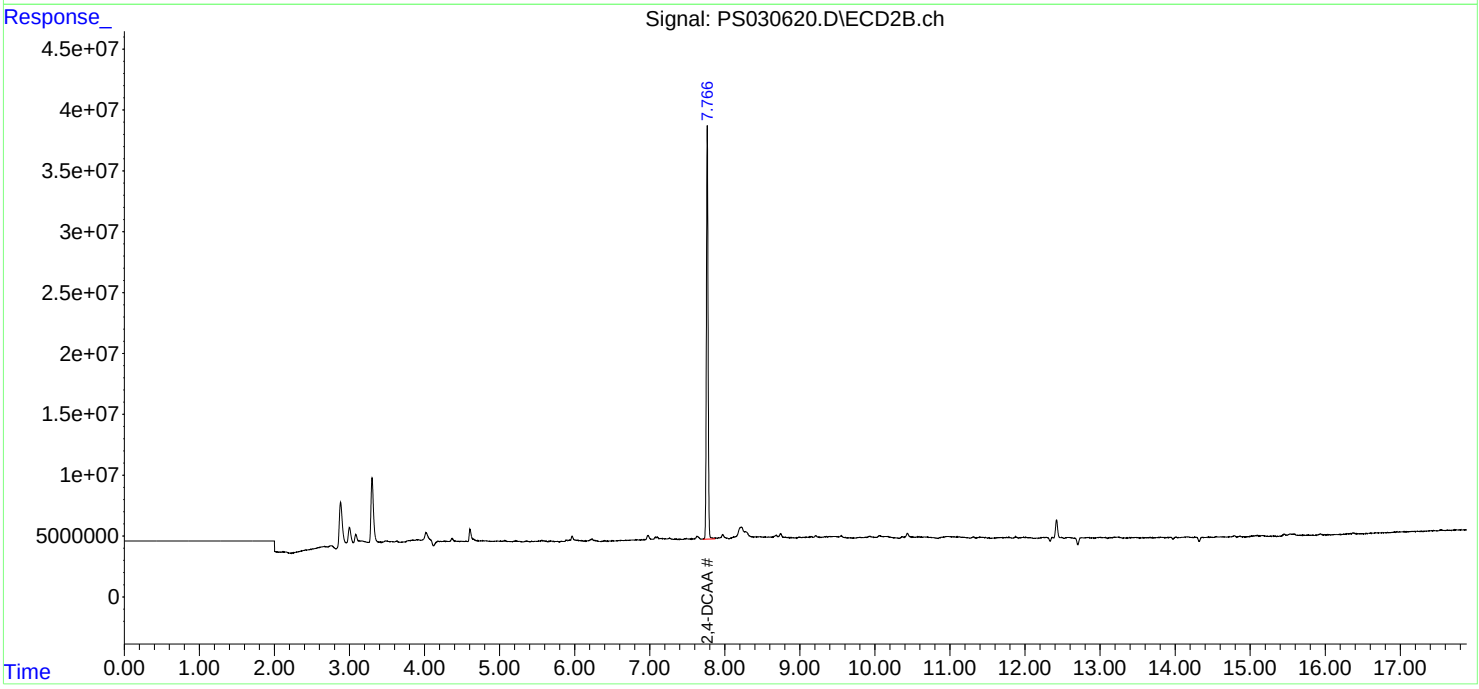
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 08:46
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

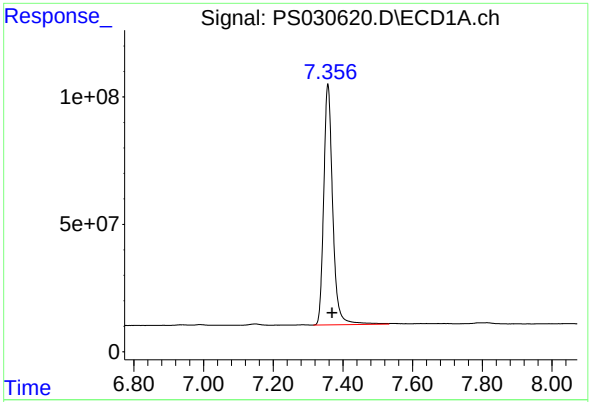
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:03:43 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



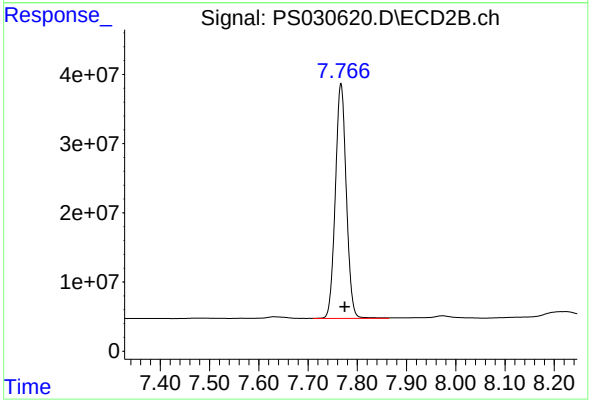




#4 2,4-DCAA

R.T.: 7.357 min
Delta R.T.: -0.012 min
Response: 1694723072
Conc: 448.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: -0.008 min
Response: 524003946
Conc: 487.17 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/11/25
Project:	Raymark Superfund Site	Date Received:	06/11/25
Client Sample ID:	PIBLK-PS030629.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030629.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030629.D	1		06/11/25	ps061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	492		32 - 138		98%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 14:30
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 12 02:05:28 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	7.356	7.767	1708.0E6	529.7E6	452.442	492.475
	Target Compounds						

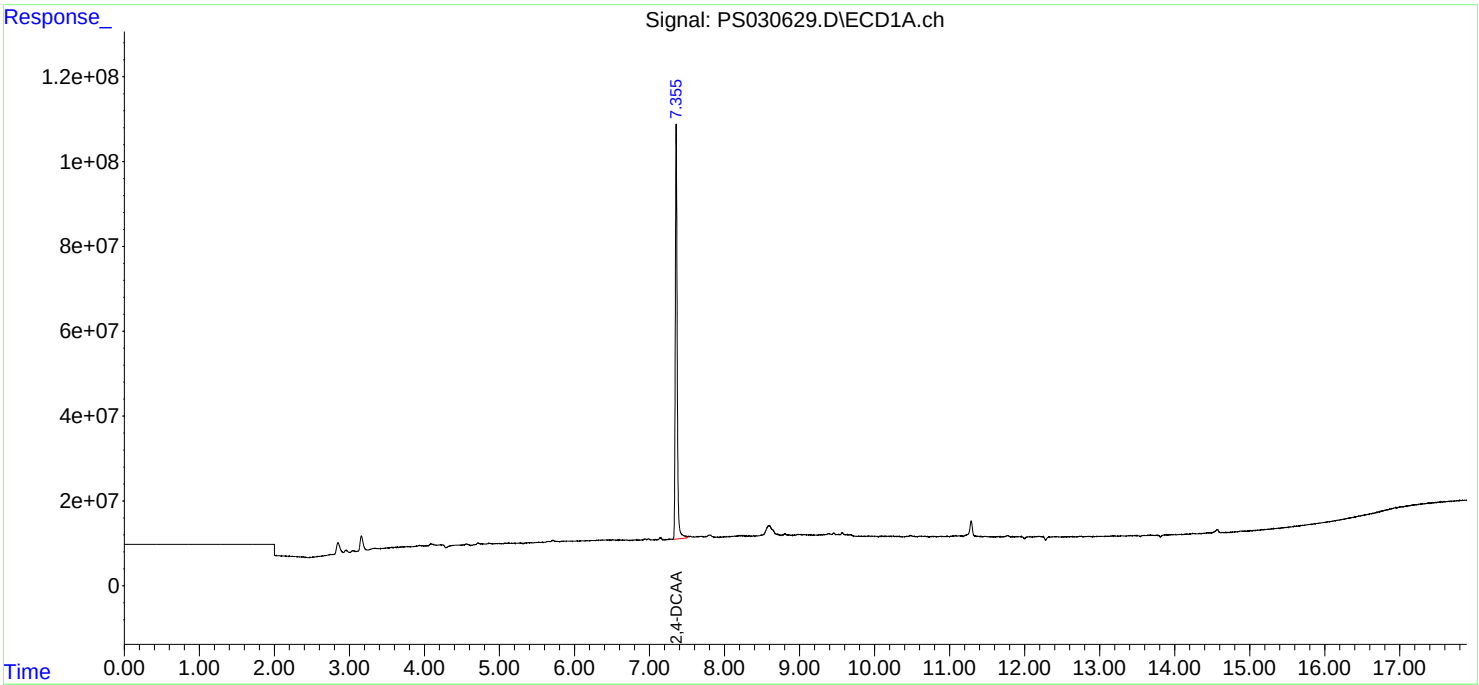
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

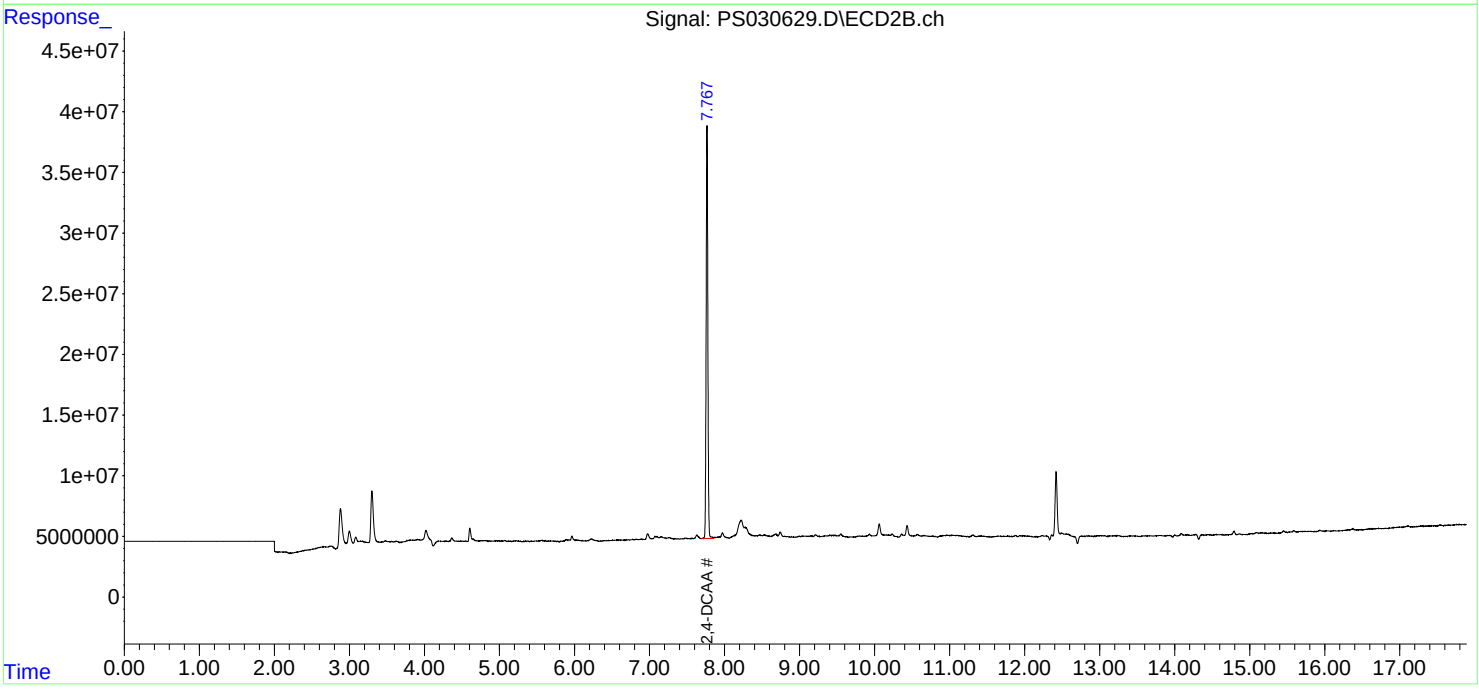
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 14:30
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

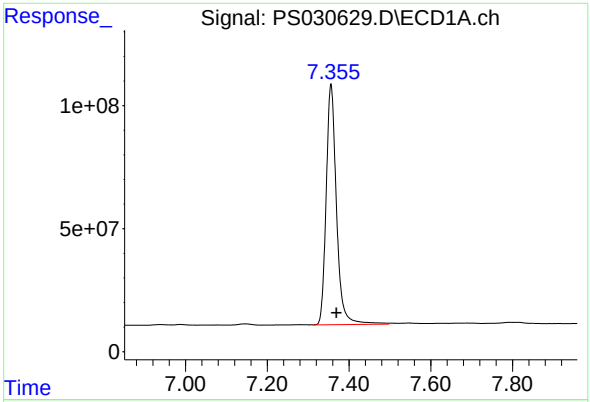
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:05:28 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



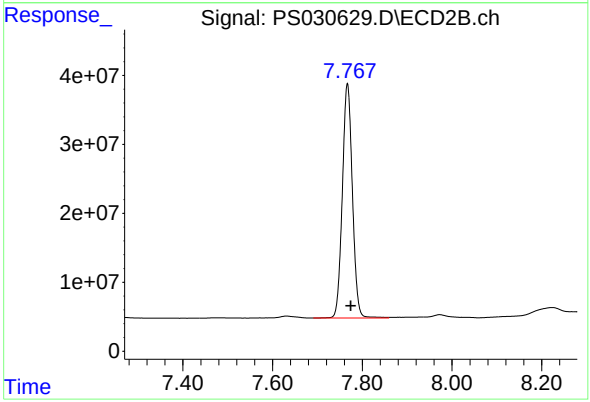




#4 2,4-DCAA

R.T.: 7.356 min
Delta R.T.: -0.013 min
Response: 1708035655
Conc: 452.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: -0.007 min
Response: 529711346
Conc: 492.48 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/16/25
Project:	Raymark Superfund Site	Date Received:	06/16/25
Client Sample ID:	PIBLK-PS030680.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030680.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030680.D	1		06/16/25	PS061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	472		32 - 138		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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030680.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 09:32
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 16 11:54:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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	7.352	7.768	1489.3E6	510.0E6	395.991	472.390
	Target Compounds						

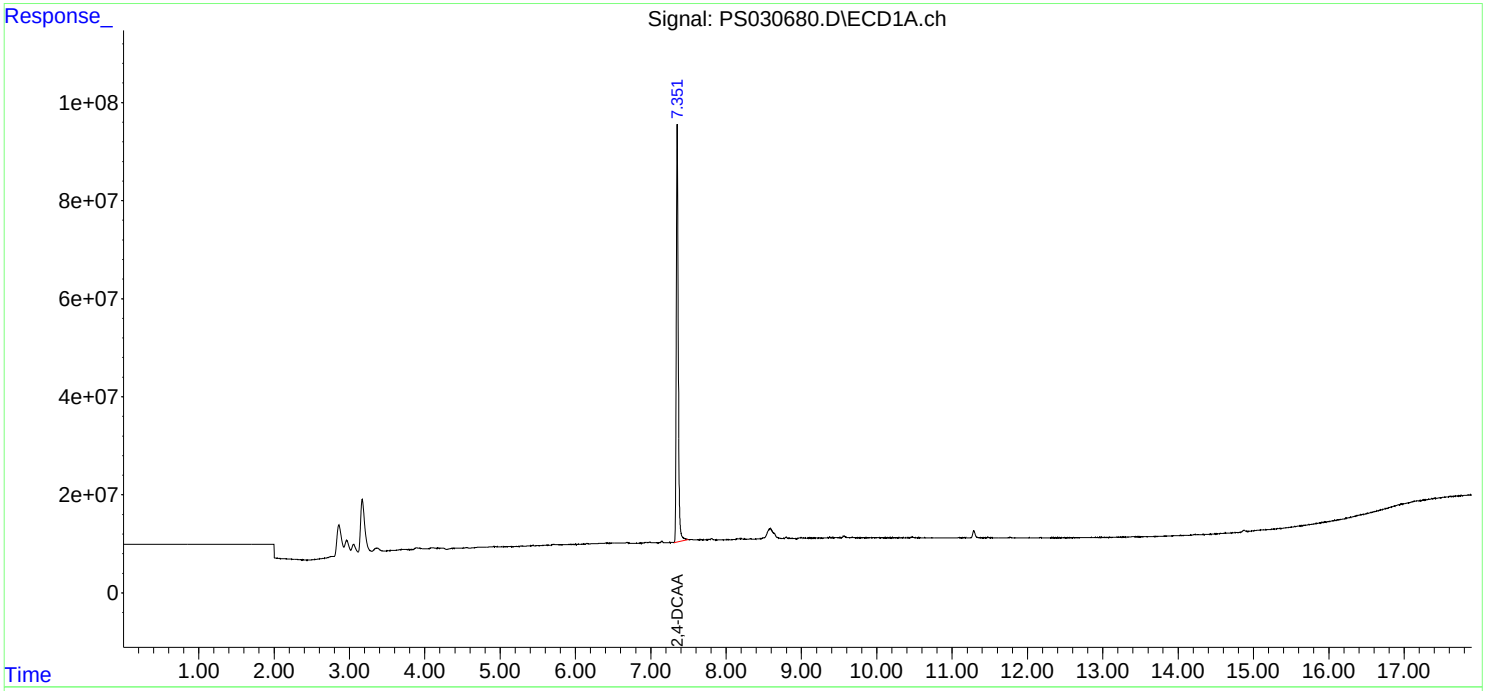
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

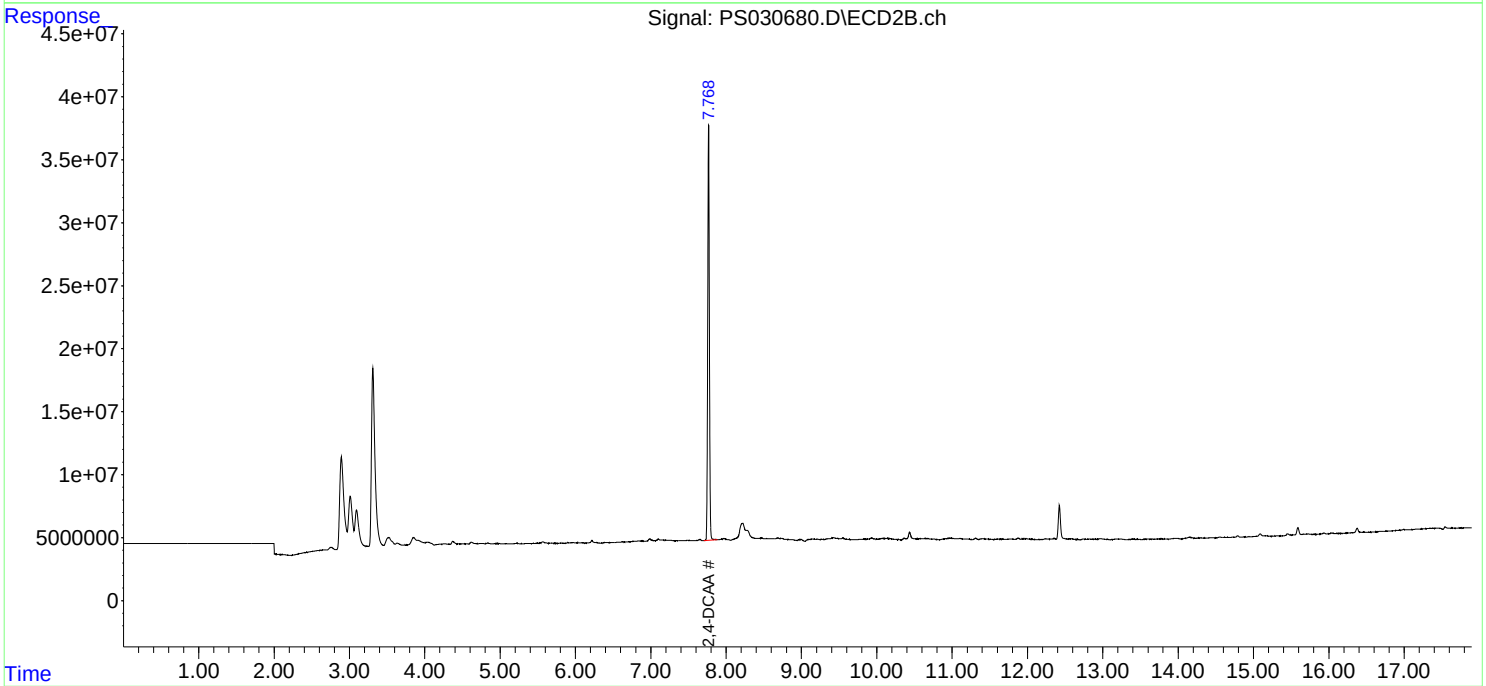
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030680.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 09:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

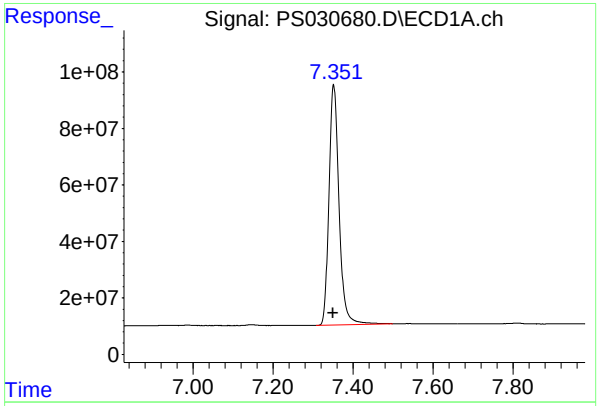
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:54:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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



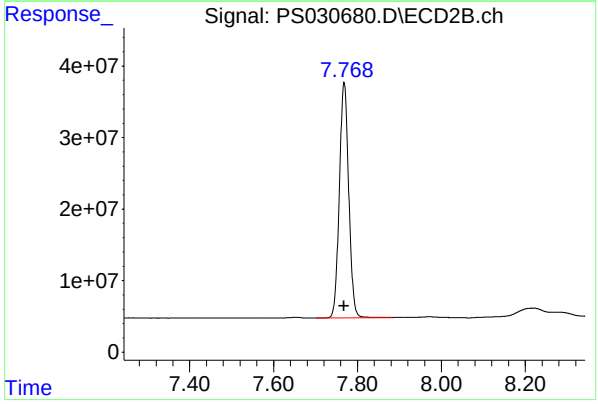




#4 2,4-DCAA

R.T.: 7.352 min
Delta R.T.: 0.001 min
Response: 1489250686
Conc: 395.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 510035415
Conc: 472.39 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/16/25
Project:	Raymark Superfund Site	Date Received:	06/16/25
Client Sample ID:	PIBLK-PS030687.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030687.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030687.D	1		06/16/25	PS061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	473		32 - 138		95%	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\PS061625\
Data File : PS030687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 12:23
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 16 14:07:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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	7.352	7.767	1509.0E6	510.9E6	401.236	473.184
	Target Compounds						

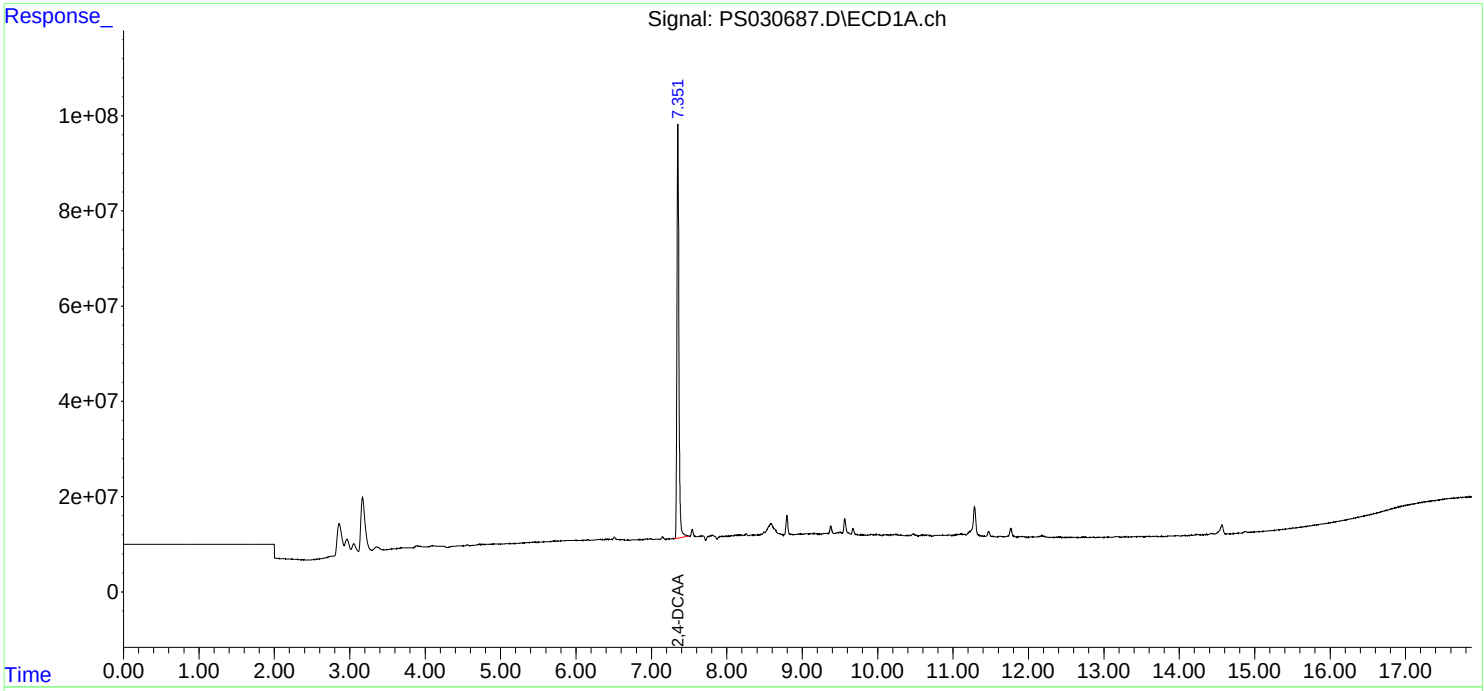
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

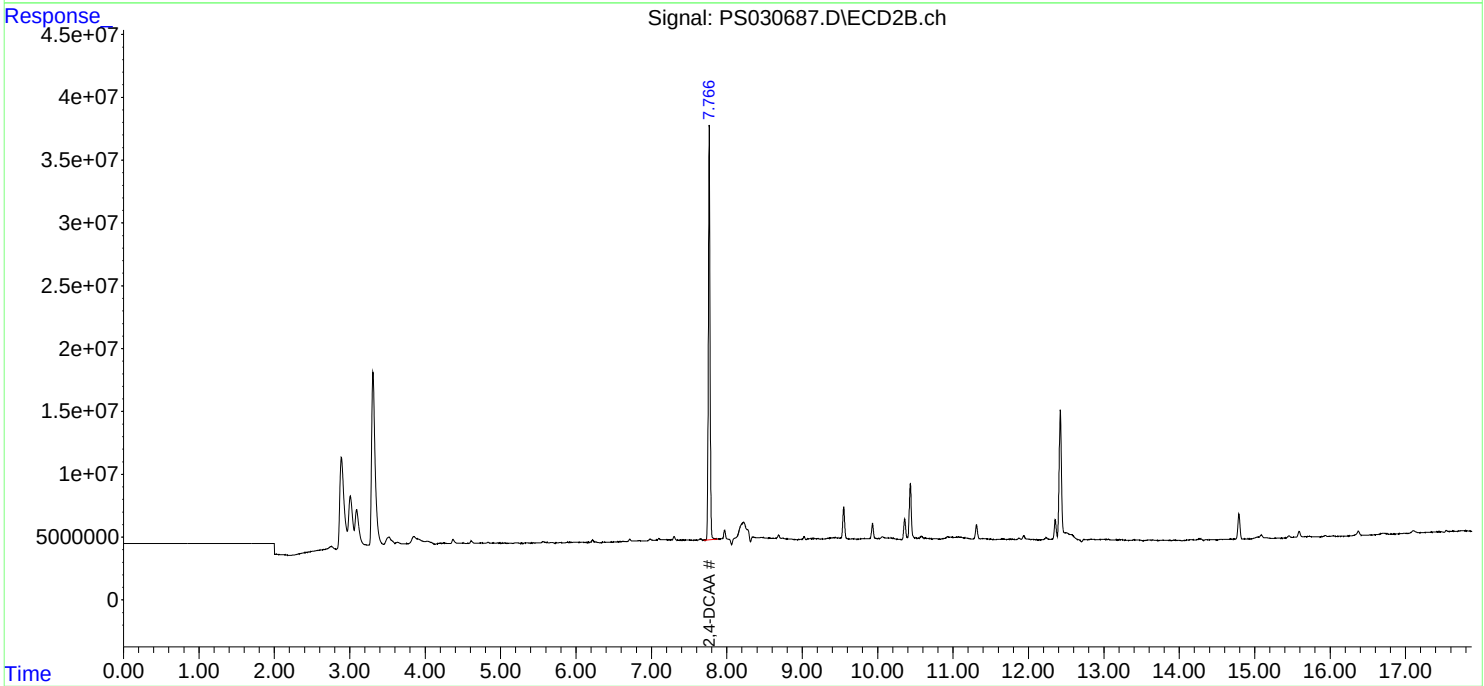
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 12:23
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

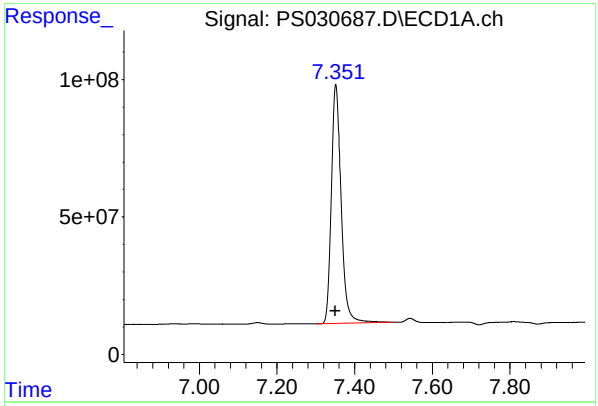
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 14:07:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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



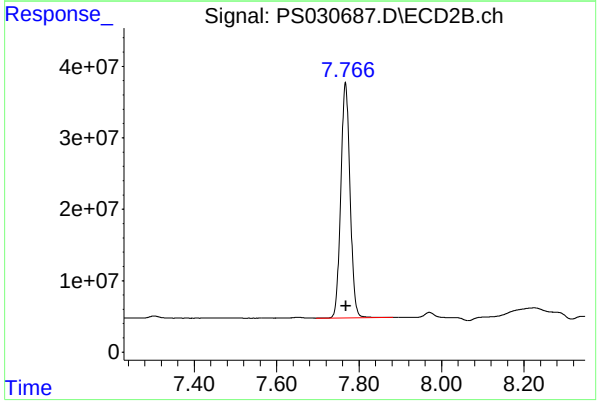




#4 2,4-DCAA

R.T.: 7.352 min
Delta R.T.: 0.001 min
Response: 1508975143
Conc: 401.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 510893038
Conc: 473.18 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/16/25
Project:	Raymark Superfund Site	Date Received:	06/16/25
Client Sample ID:	PIBLK-PS030697.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030697.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030697.D	1		06/16/25	ps061625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	477		32 - 138		95%	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\PS061625\
Data File : PS030697.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 17:01
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 17 04:14:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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	7.351	7.768	1676.5E6	514.5E6	445.789	476.551
	Target Compounds						

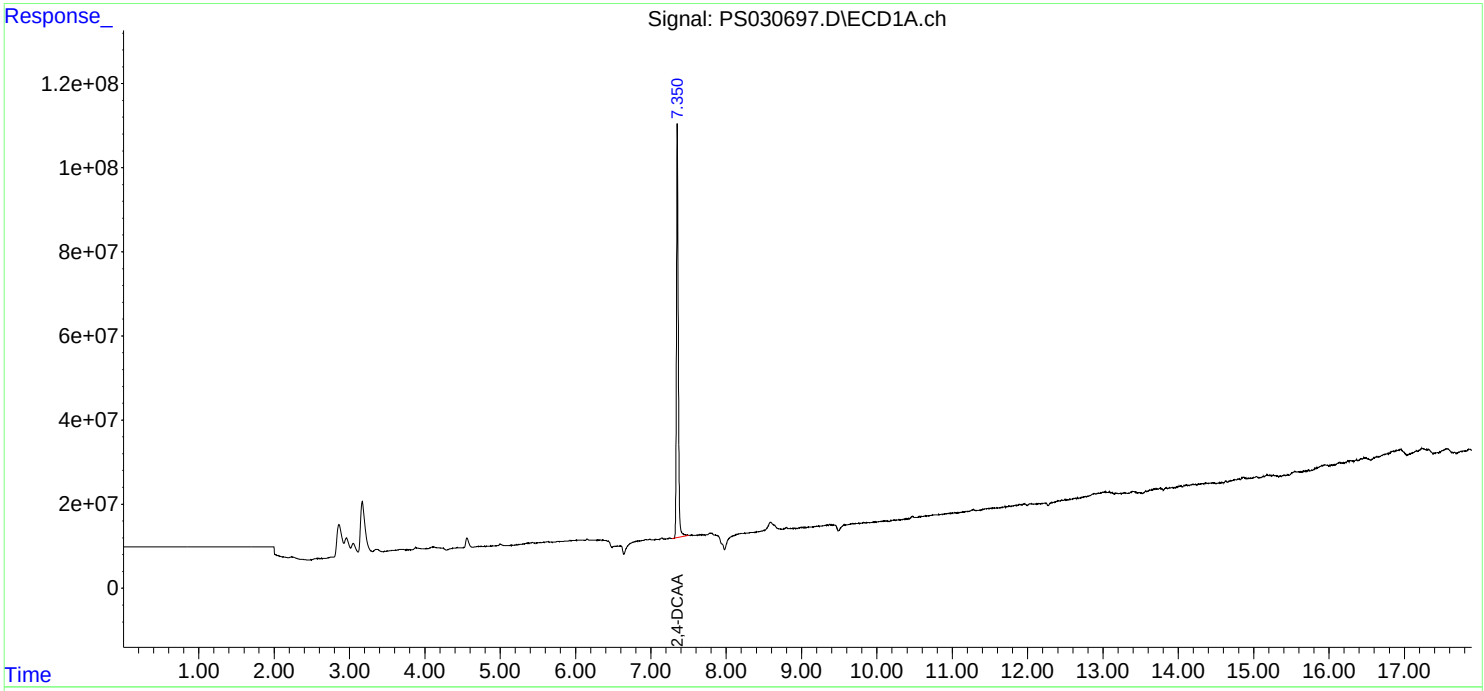
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

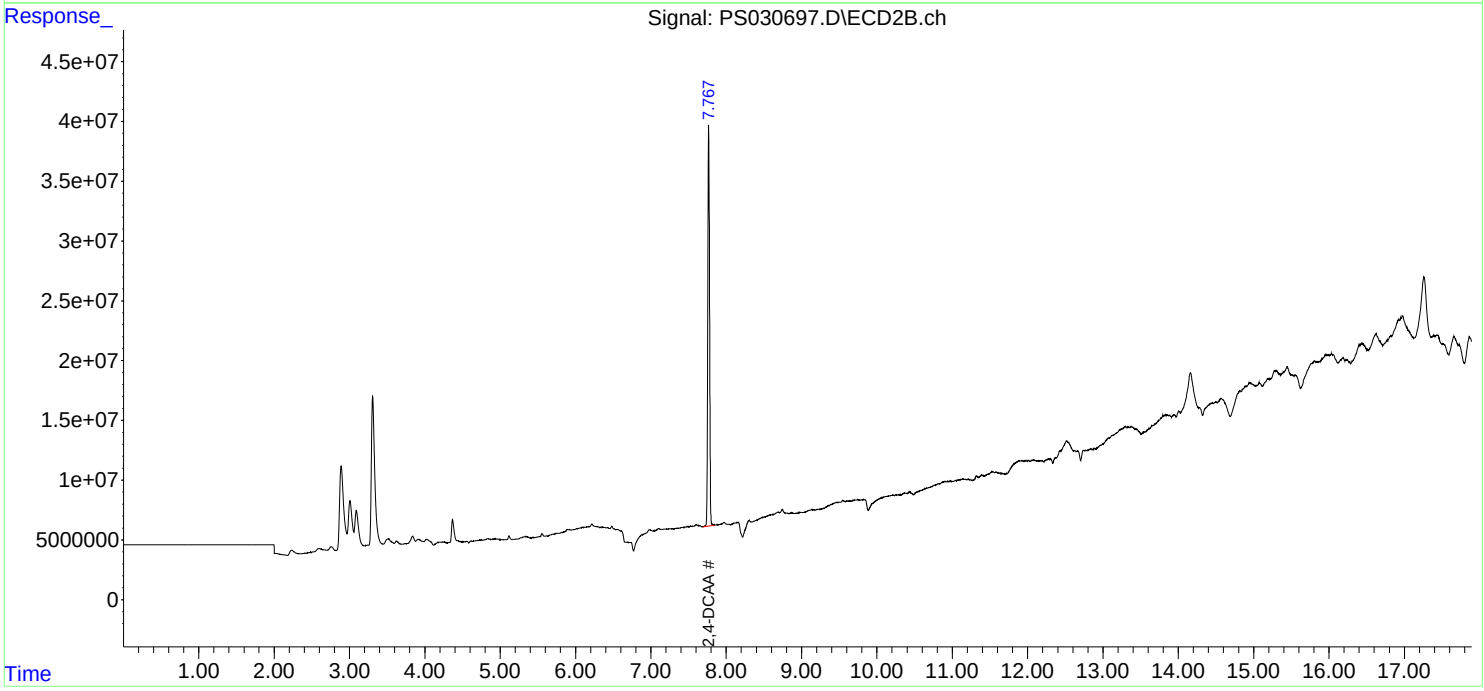
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030697.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 17:01
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

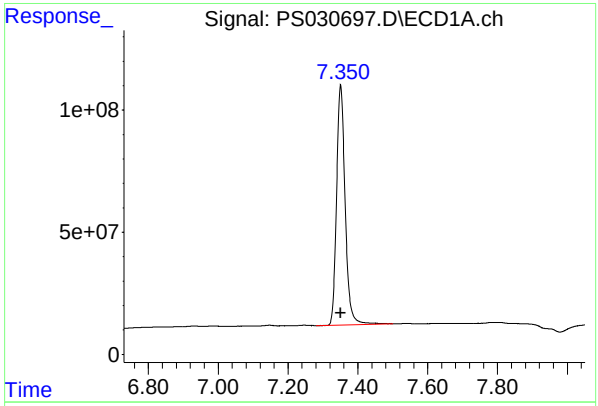
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 04:14:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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



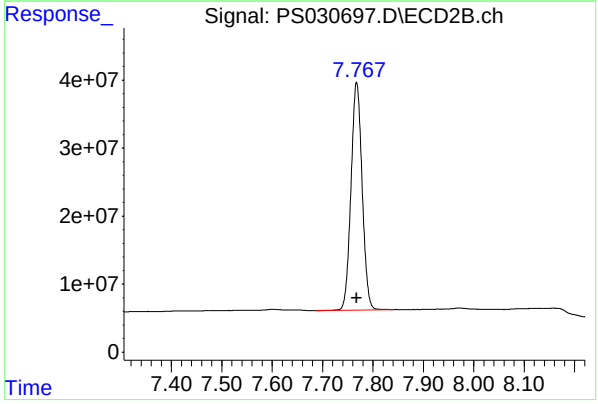




#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 1676528219
Conc: 445.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 514527330
Conc: 476.55 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/18/25
Project:	Raymark Superfund Site	Date Received:	06/18/25
Client Sample ID:	PIBLK-PS030738.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030738.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030738.D	1		06/18/25	PS061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	487		32 - 138		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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030738.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:01
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 19 05:14:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.349	7.770	1521.1E6	522.5E6	413.971	487.438
	Target Compounds						

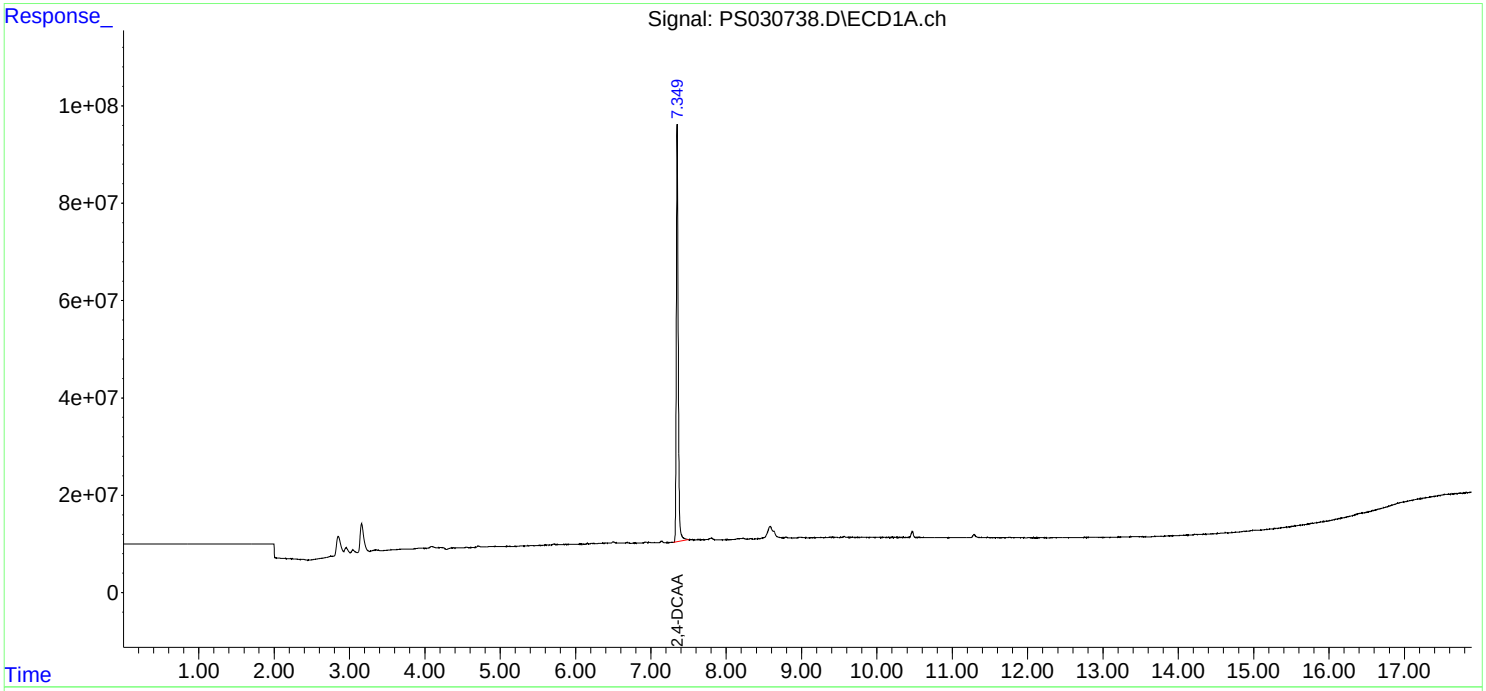
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

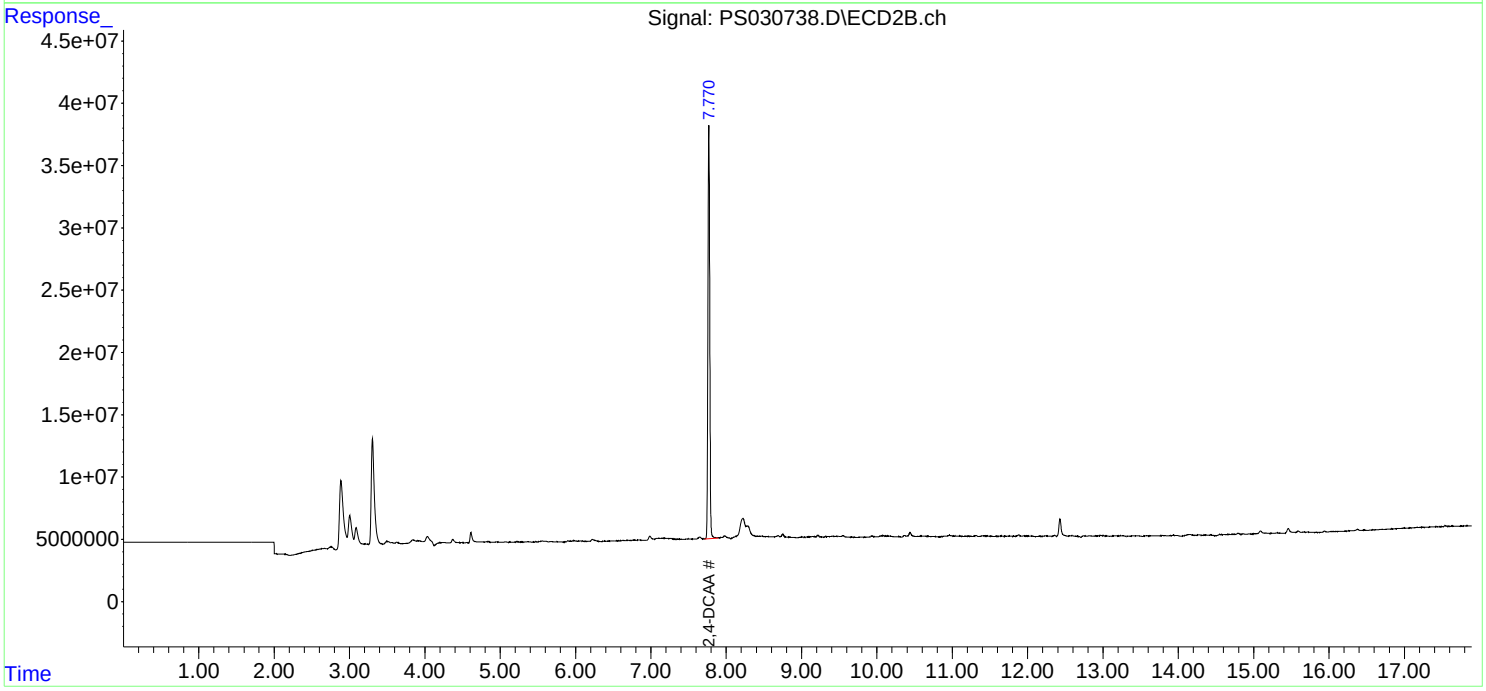
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030738.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:01
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

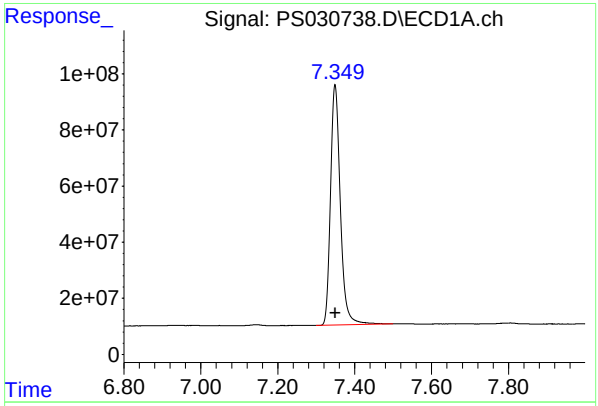
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 05:14:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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



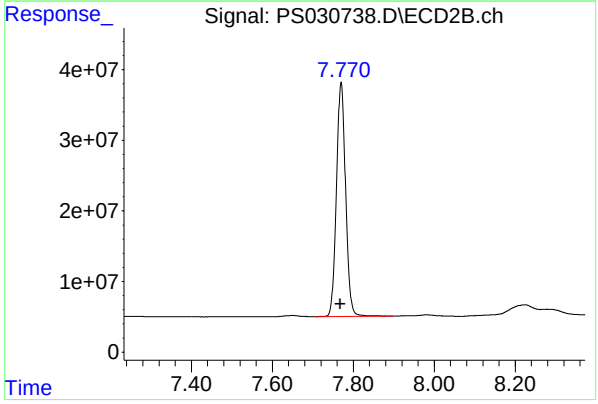




#4 2,4-DCAA

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 1521092313
Conc: 413.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.770 min
Delta R.T.: 0.002 min
Response: 522516165
Conc: 487.44 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/19/25
Project:	Raymark Superfund Site	Date Received:	06/19/25
Client Sample ID:	PIBLK-PS030752.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030752.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030752.D	1		06/19/25	ps061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	492		32 - 138		98%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030752.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 09:01
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 19 23:03:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.348	7.769	1581.2E6	527.5E6	430.317	492.112
	Target Compounds						

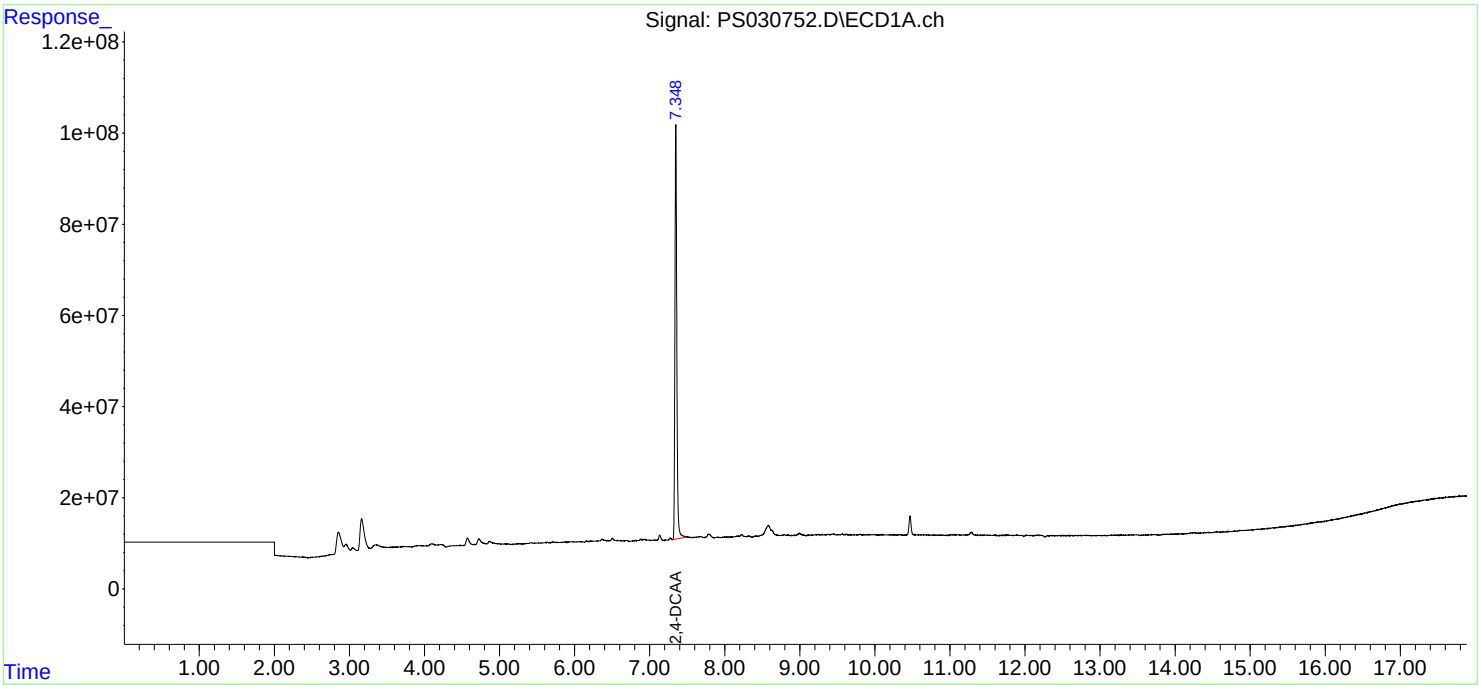
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

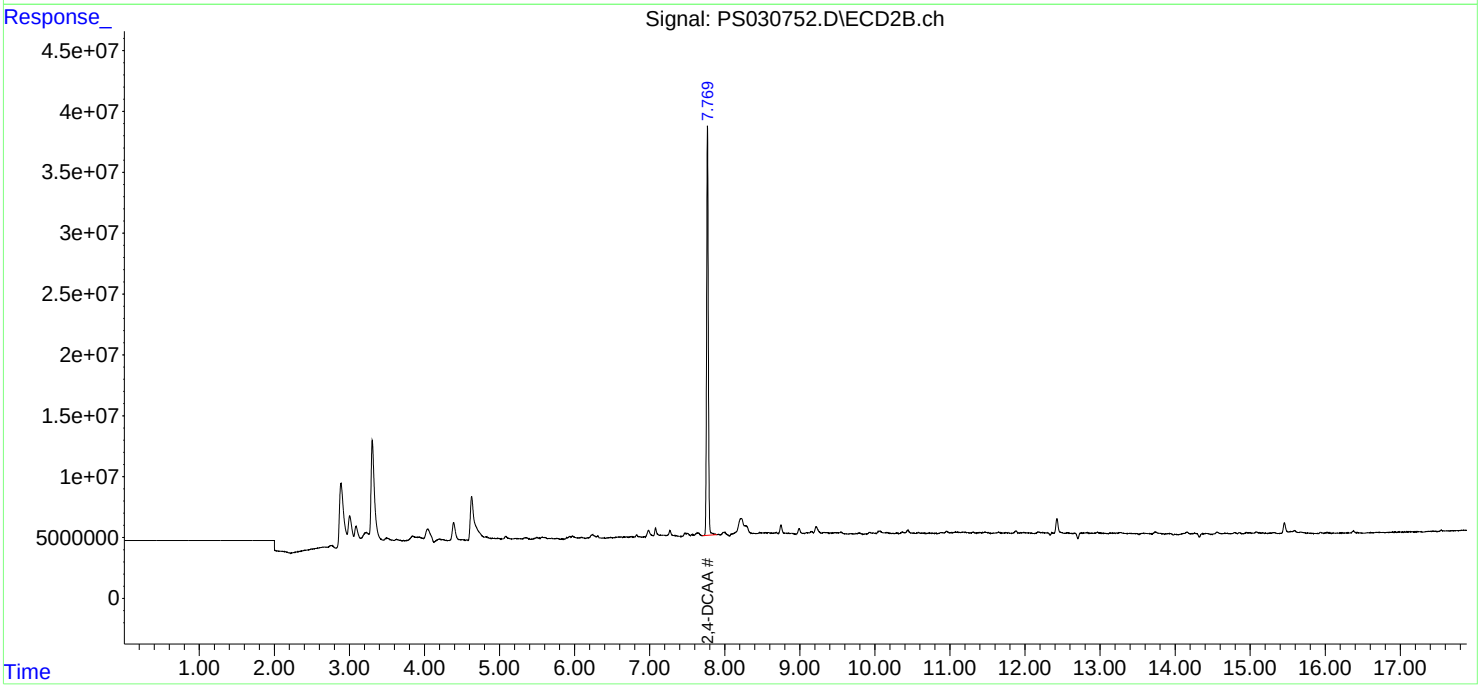
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030752.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 09:01
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

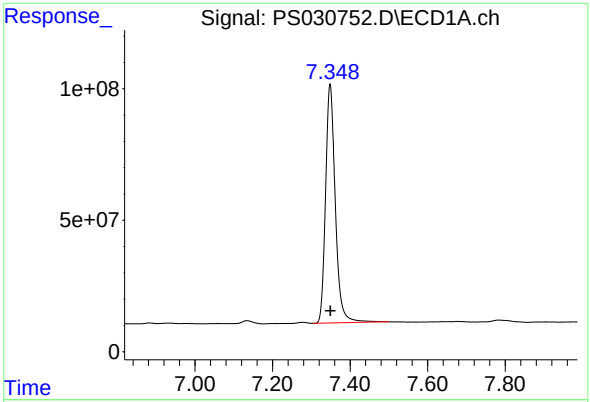
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:03:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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



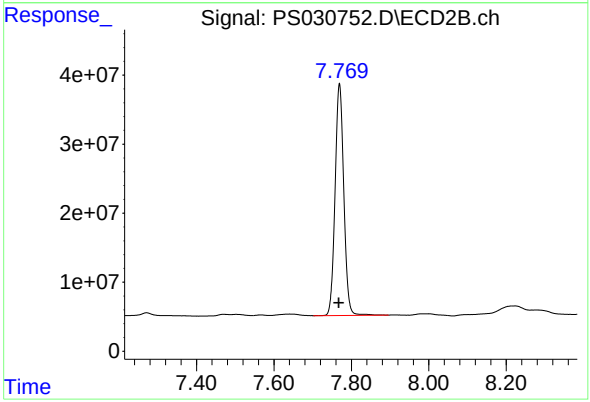




#4 2,4-DCAA

R.T.: 7.348 min
Delta R.T.: 0.000 min
Response: 1581153547
Conc: 430.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.001 min
Response: 527526230
Conc: 492.11 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/19/25
Project:	Raymark Superfund Site	Date Received:	06/19/25
Client Sample ID:	PIBLK-PS030756.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PS030756.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030756.D	1		06/19/25	ps061925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	497		32 - 138		99%	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\PS061925\
Data File : PS030756.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 10:42
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 19 23:04:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.348	7.770	1584.7E6	533.0E6	431.281	497.250
	Target Compounds						

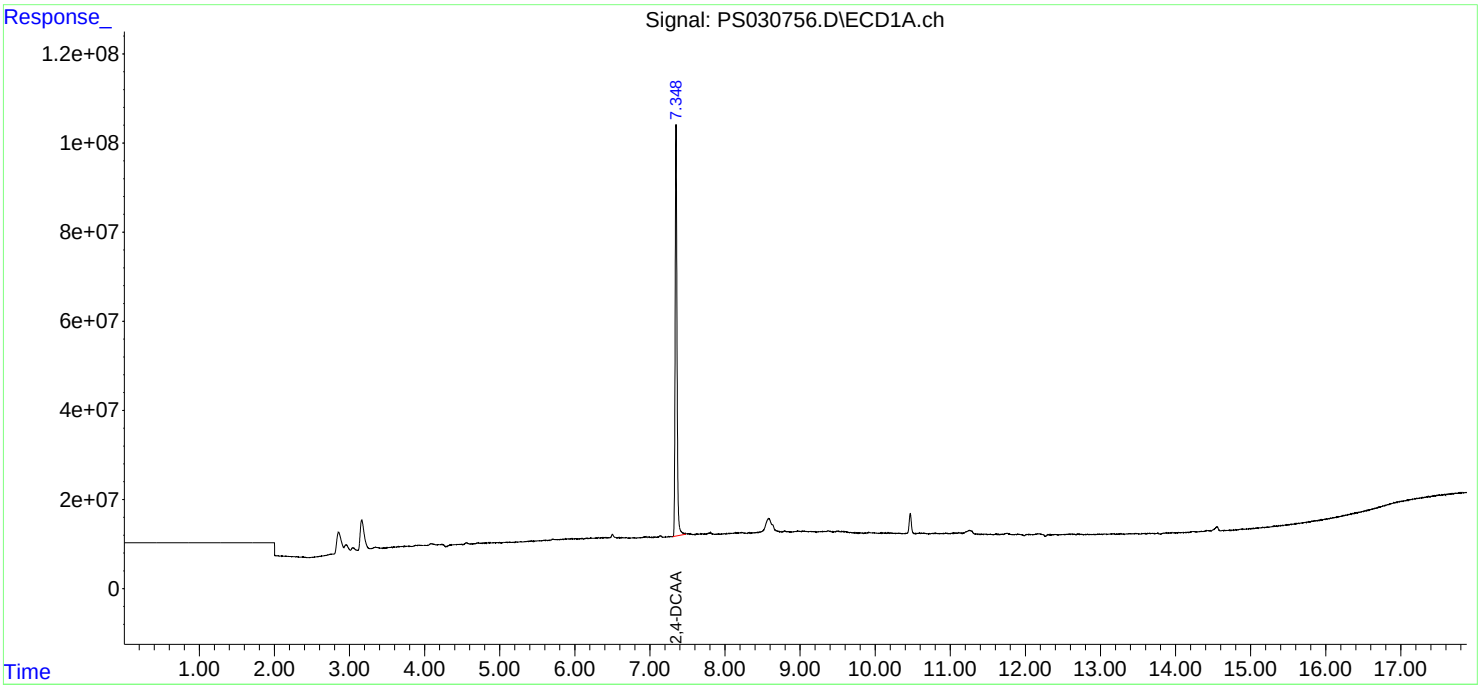
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

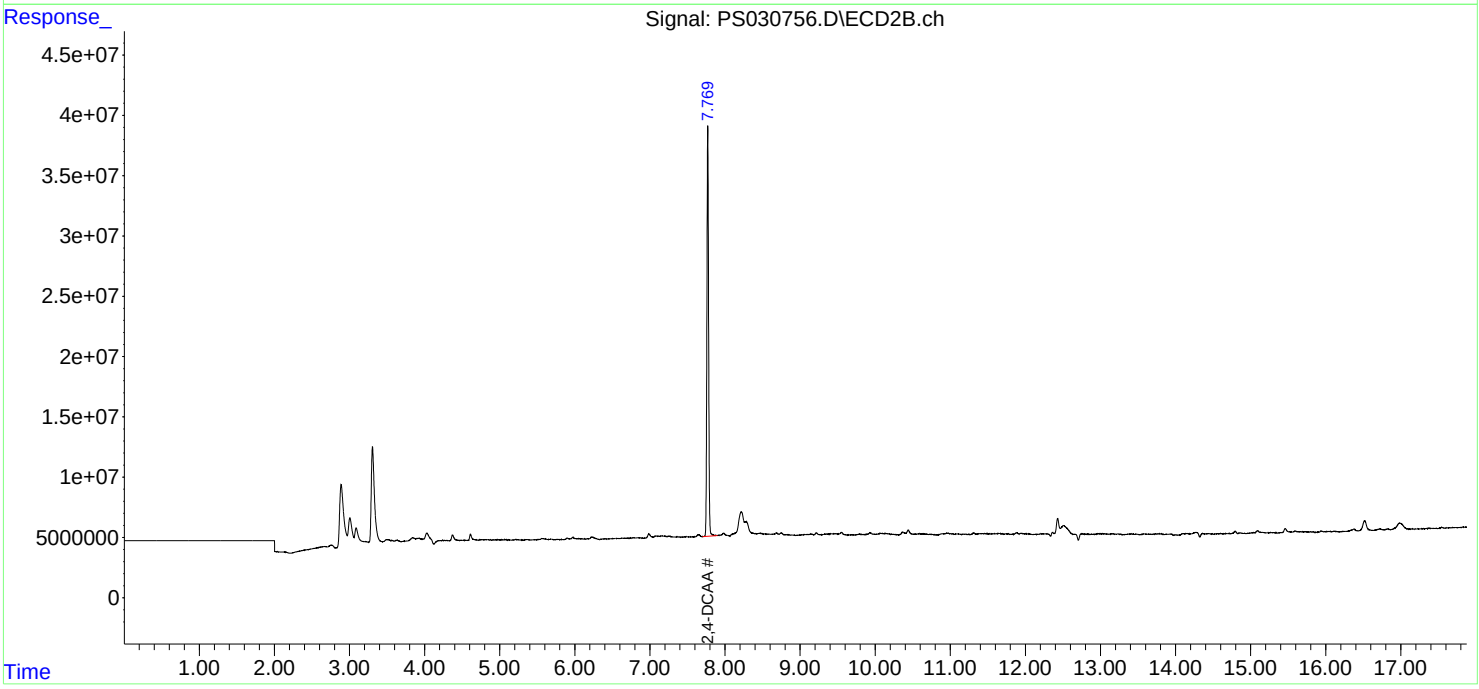
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030756.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 10:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

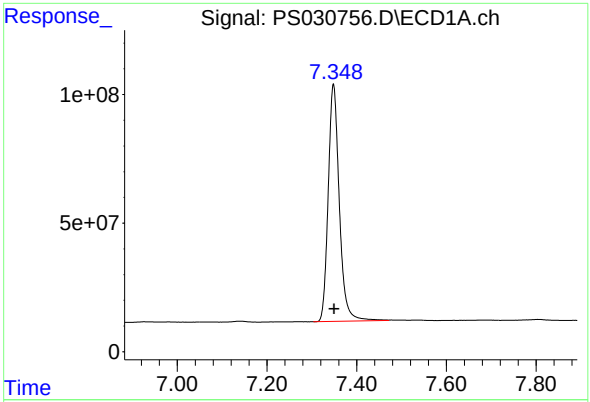
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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



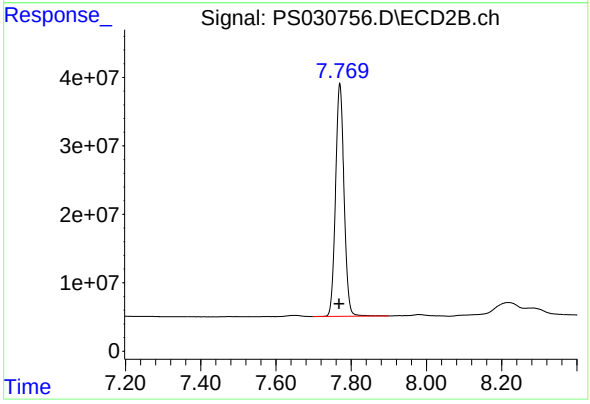




#4 2,4-DCAA

R.T.: 7.348 min
Delta R.T.: -0.001 min
Response: 1584697852
Conc: 431.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.770 min
Delta R.T.: 0.002 min
Response: 533033901
Conc: 497.25 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168375BS	SDG No.:	Q2259
Lab Sample ID:	PB168375BS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030628.D	1	06/10/25 09:42	06/11/25 14:06	PB168375

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.16		0.0077	0.033	0.067	mg/Kg
75-99-0	DALAPON	0.16		0.018	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.16		0.013	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.16		0.0090	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.16		0.0091	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.16		0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.16		0.024	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.16		0.011	0.033	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	499		27 - 122		100%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 14:06
Operator : AR\AJ
Sample : PB168375BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168375BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:05:13 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	7.357	7.764	1883.9E6	523.3E6	499.020m	486.489
	Target Compounds						
1) T	Dalapon	2.714	2.705	2651.9E6	1235.8E6	469.606	451.033
2) T	3,5-DICHL...	6.515	6.709	2539.3E6	738.3E6	467.956	472.003
3) T	4-Nitroph...	7.157	7.295	775.0E6	749.1E6	422.631	477.960
5) T	DICAMBA	7.548	7.967	7387.8E6	3007.6E6	479.025	466.900
6) T	MCPP	7.729	8.065	452.8E6	100.2E6	45.712m	43.345
7) T	MCPA	7.880	8.314	542.3E6	120.6E6	42.738	39.086
8) T	DICHLORPROP	8.264	8.687	1685.0E6	698.3E6	463.150	470.466
9) T	2,4-D	8.497	9.023	1692.8E6	762.5E6	464.598	484.938
10) T	Pentachlo...	8.805	9.548	26478.7E6	17948.6E6	521.376m	496.667
11) T	2,4,5-TP ...	9.387	9.930	9885.4E6	6634.3E6	478.363	483.662
12) T	2,4,5-T	9.682	10.355	8282.3E6	6257.6E6	449.365	479.250
13) T	2,4-DB	10.262	10.923	1241.9E6	539.6E6	409.023	469.415
14) T	DINOSEB	11.482	11.309	6657.3E6	4743.4E6	463.120	471.977
15) T	Picloram	11.289	12.416	7742.2E6	9842.2E6	387.018m	445.675
16) T	DCPA	11.778	12.353	13054.3E6	10204.2E6	493.732	498.666

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

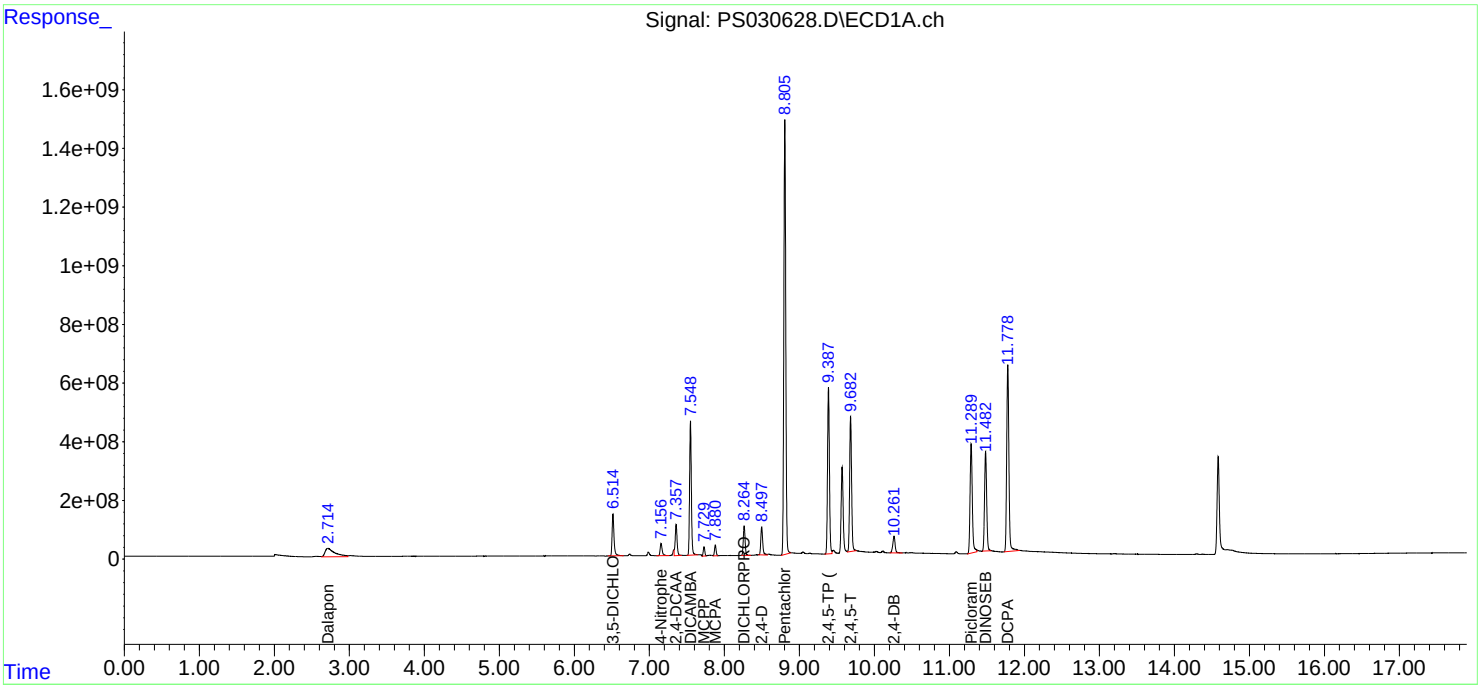
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 14:06
Operator : AR\AJ
Sample : PB168375BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

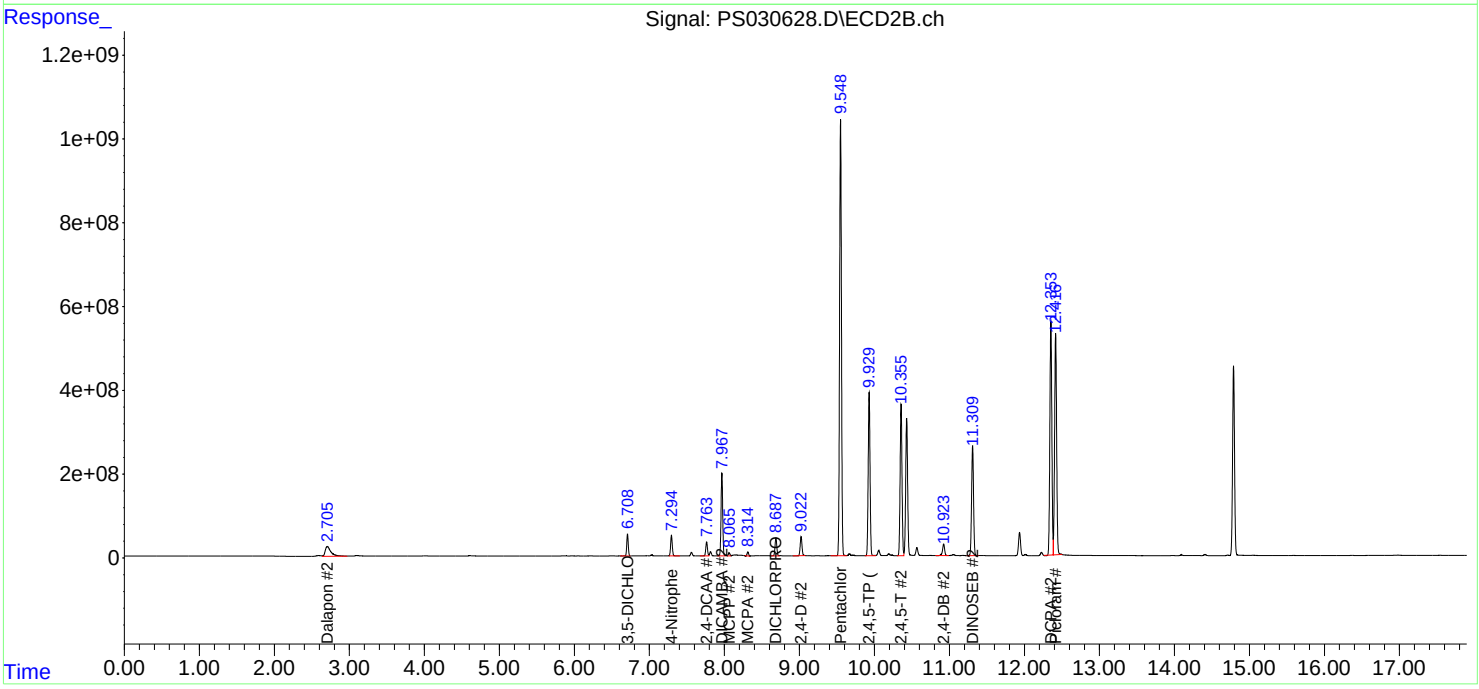
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:05:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

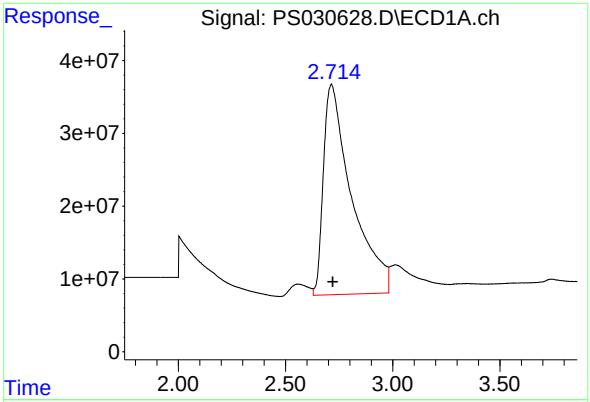
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_S
ClientSampleId :
PB168375BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025







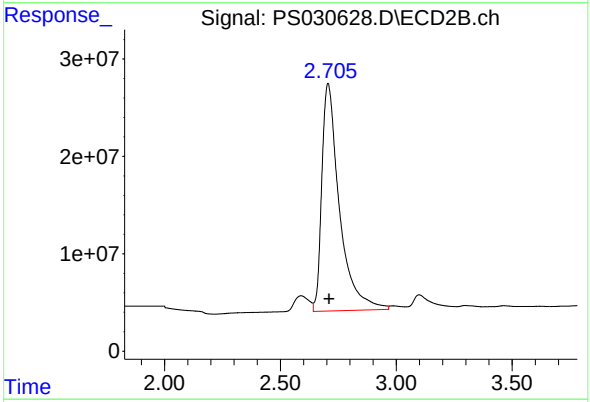
#1 Dalapon

R.T.: 2.714 min
Delta R.T.: -0.006 min
Response: 2651852790
Conc: 469.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS

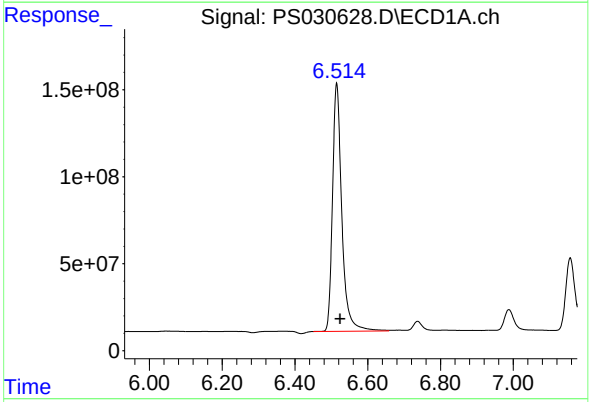
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



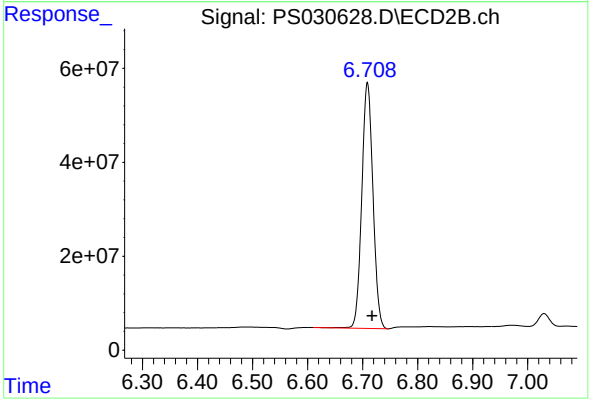
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: -0.005 min
Response: 1235837159
Conc: 451.03 ng/ml



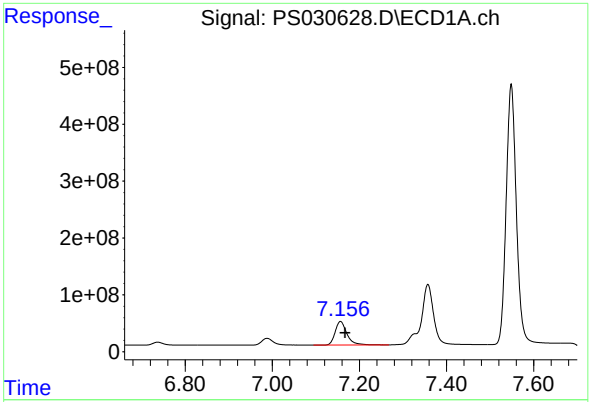
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.515 min
Delta R.T.: -0.009 min
Response: 2539290626
Conc: 467.96 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.709 min
Delta R.T.: -0.008 min
Response: 738329826
Conc: 472.00 ng/ml



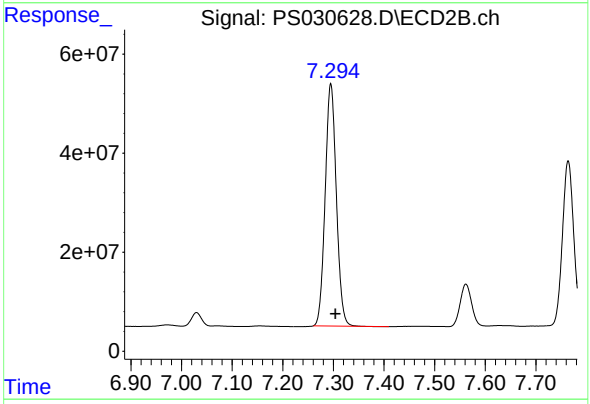
#3 4-Nitrophenol

R.T.: 7.157 min
Delta R.T.: -0.010 min
Response: 775002407
Conc: 422.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS

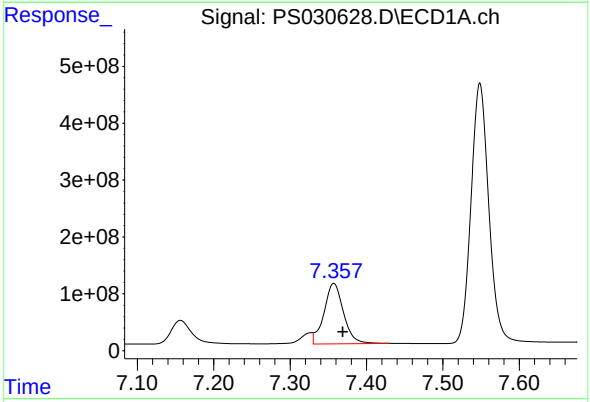
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



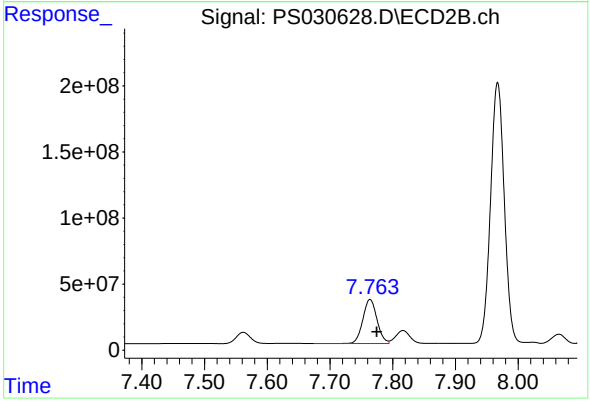
#3 4-Nitrophenol

R.T.: 7.295 min
Delta R.T.: -0.009 min
Response: 749079164
Conc: 477.96 ng/ml



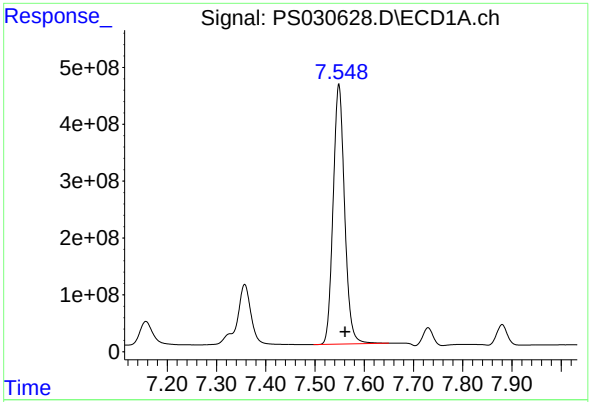
#4 2,4-DCAA

R.T.: 7.357 min
Delta R.T.: -0.012 min
Response: 1883872360
Conc: 499.02 ng/ml m



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.011 min
Response: 523272289
Conc: 486.49 ng/ml



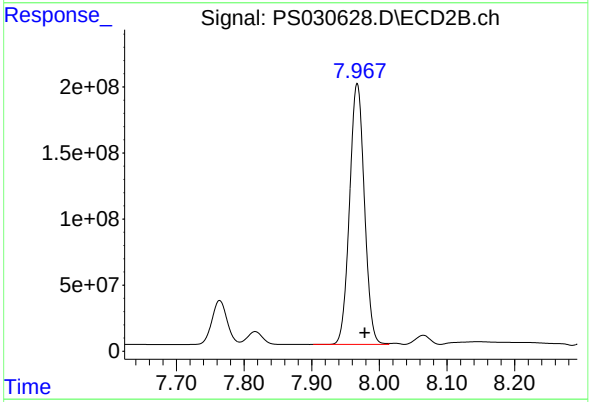
#5 DICAMBA

R.T.: 7.548 min
Delta R.T.: -0.013 min
Response: 7387776111
Conc: 479.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS

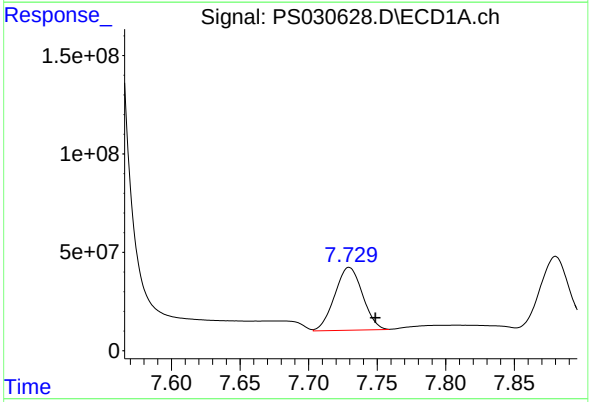
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



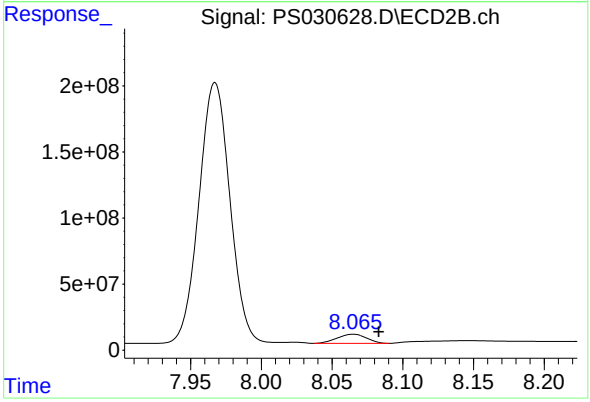
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.011 min
Response: 3007607395
Conc: 466.90 ng/ml



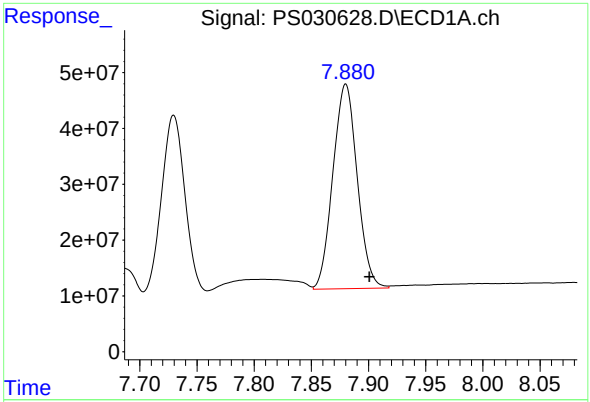
#6 MCPP

R.T.: 7.729 min
Delta R.T.: -0.020 min
Response: 452776893
Conc: 45.71 ug/ml m



#6 MCPP

R.T.: 8.065 min
Delta R.T.: -0.018 min
Response: 100195503
Conc: 43.34 ug/ml



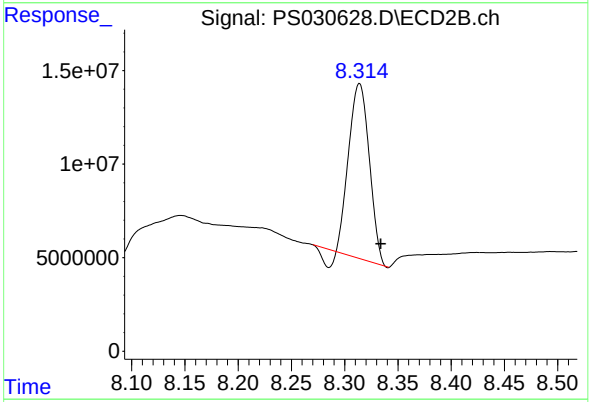
#7 MCPA

R.T.: 7.880 min
Delta R.T.: -0.021 min
Response: 542320287
Conc: 42.74 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS

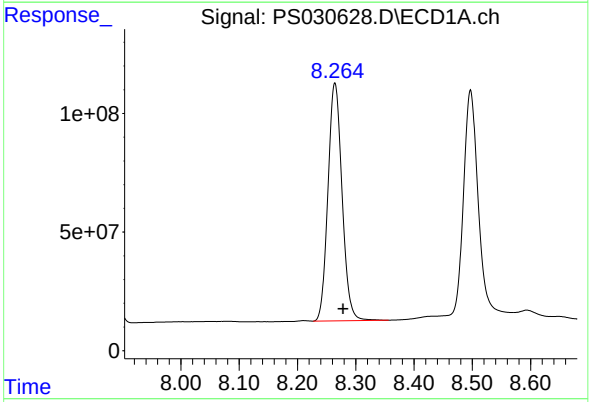
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



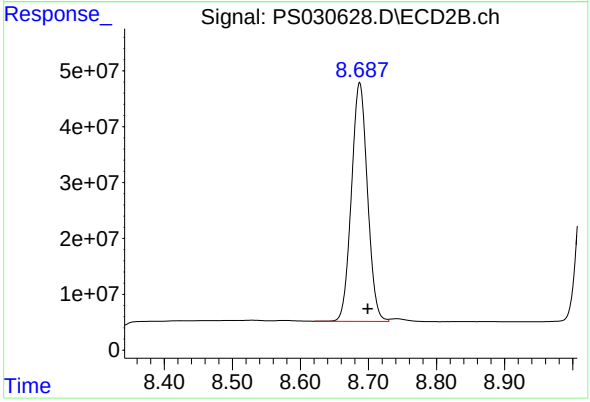
#7 MCPA

R.T.: 8.314 min
Delta R.T.: -0.020 min
Response: 120616964
Conc: 39.09 ug/ml



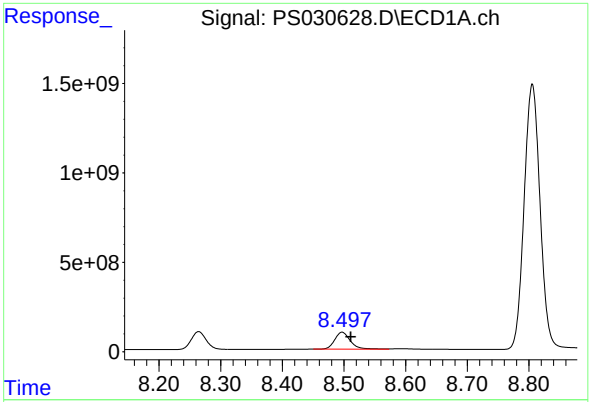
#8 DICHLORPROP

R.T.: 8.264 min
Delta R.T.: -0.014 min
Response: 1685006367
Conc: 463.15 ng/ml



#8 DICHLORPROP

R.T.: 8.687 min
Delta R.T.: -0.012 min
Response: 698266823
Conc: 470.47 ng/ml



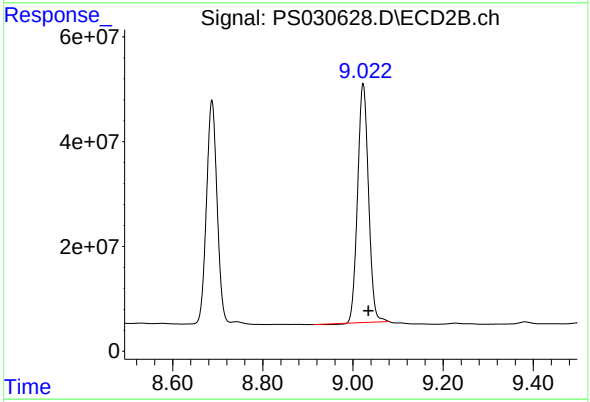
#9 2,4-D

R.T.: 8.497 min
Delta R.T.: -0.014 min
Response: 1692816302
Conc: 464.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS

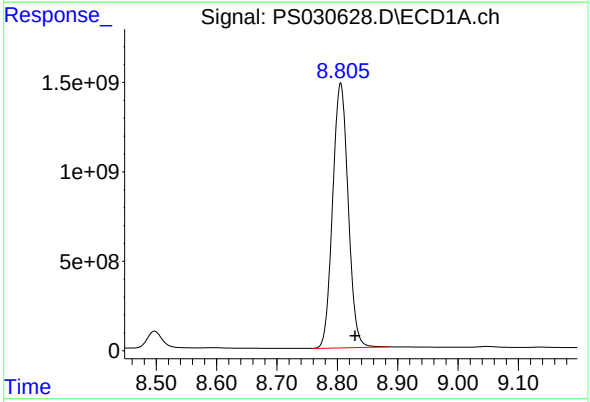
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



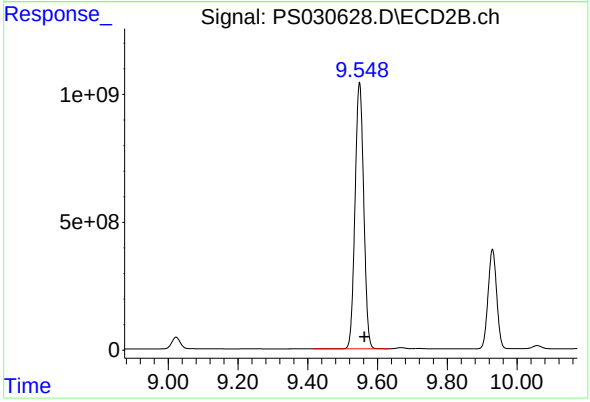
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: -0.012 min
Response: 762478700
Conc: 484.94 ng/ml



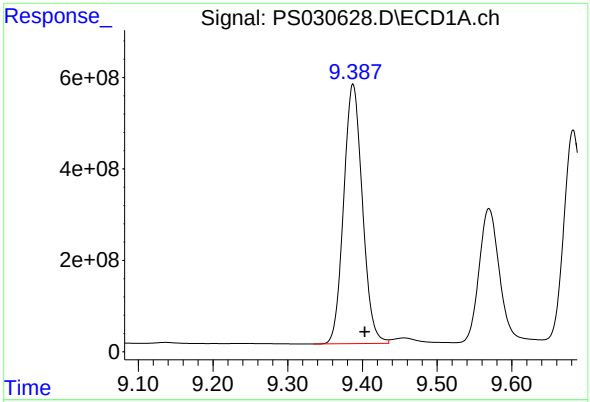
#10 Pentachlorophenol

R.T.: 8.805 min
Delta R.T.: -0.024 min
Response: 26478684223
Conc: 521.38 ng/ml m



#10 Pentachlorophenol

R.T.: 9.548 min
Delta R.T.: -0.015 min
Response: 17948560321
Conc: 496.67 ng/ml



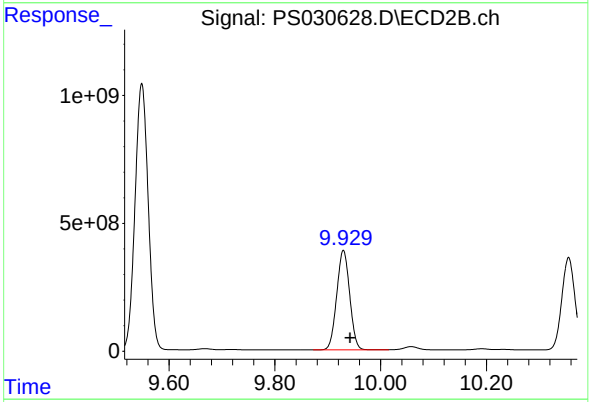
#11 2,4,5-TP (SILVEX)

R.T.: 9.387 min
Delta R.T.: -0.016 min
Response: 9885410470
Conc: 478.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS

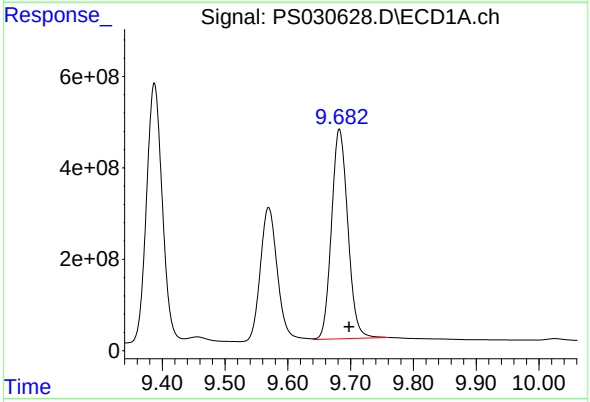
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



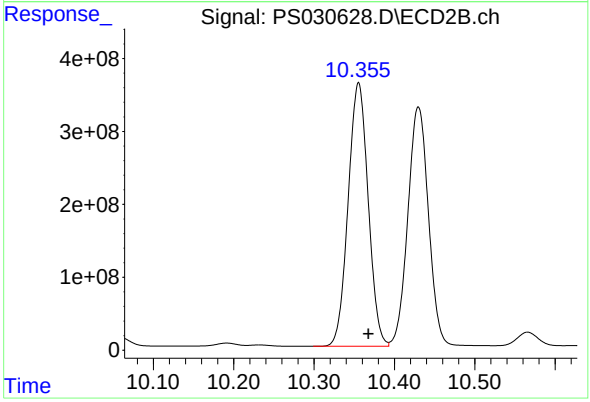
#11 2,4,5-TP (SILVEX)

R.T.: 9.930 min
Delta R.T.: -0.013 min
Response: 6634260663
Conc: 483.66 ng/ml



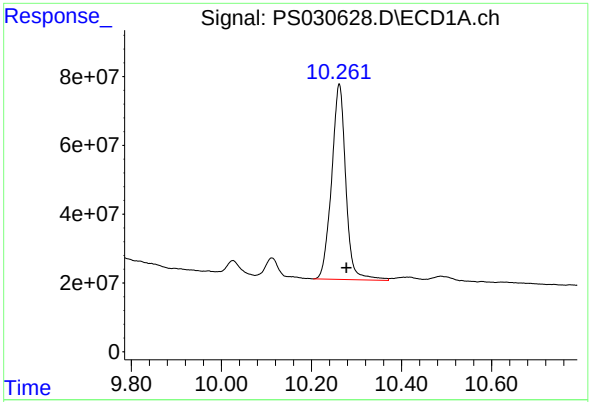
#12 2,4,5-T

R.T.: 9.682 min
Delta R.T.: -0.015 min
Response: 8282271932
Conc: 449.36 ng/ml



#12 2,4,5-T

R.T.: 10.355 min
Delta R.T.: -0.012 min
Response: 6257625464
Conc: 479.25 ng/ml



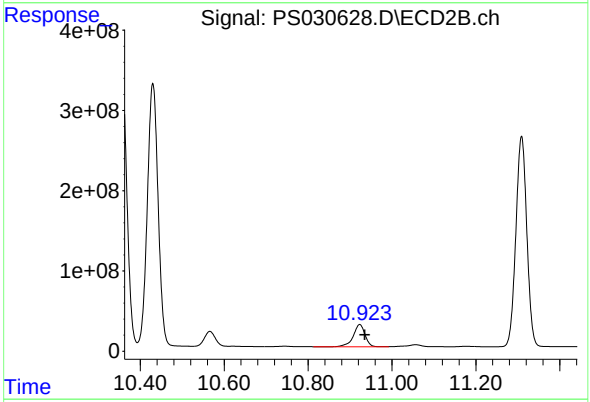
#13 2,4-DB

R.T.: 10.262 min
Delta R.T.: -0.016 min
Response: 1241944142
Conc: 409.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS

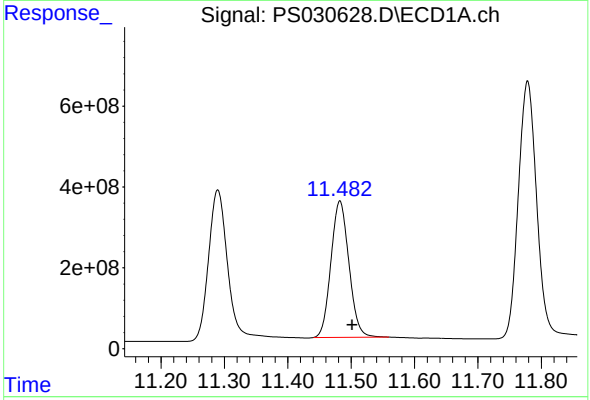
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



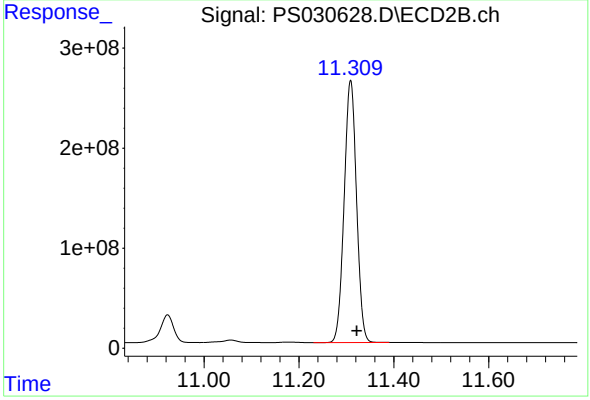
#13 2,4-DB

R.T.: 10.923 min
Delta R.T.: -0.012 min
Response: 539617468
Conc: 469.42 ng/ml



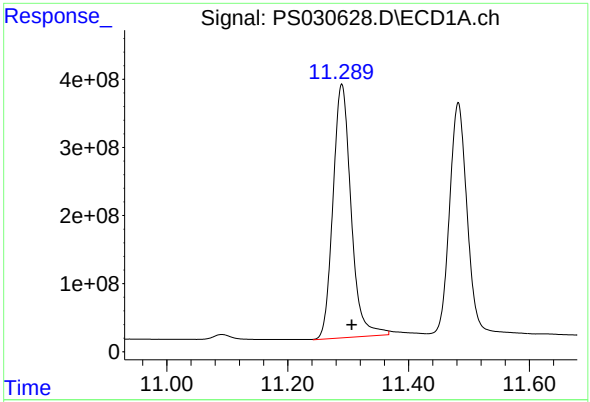
#14 DINOSEB

R.T.: 11.482 min
Delta R.T.: -0.019 min
Response: 6657324497
Conc: 463.12 ng/ml



#14 DINOSEB

R.T.: 11.309 min
Delta R.T.: -0.013 min
Response: 4743421541
Conc: 471.98 ng/ml



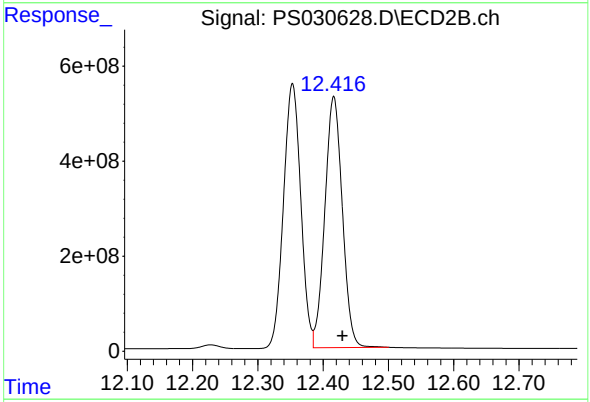
#15 Picloram

R.T.: 11.289 min
Delta R.T.: -0.017 min
Response: 7742224127
Conc: 387.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS

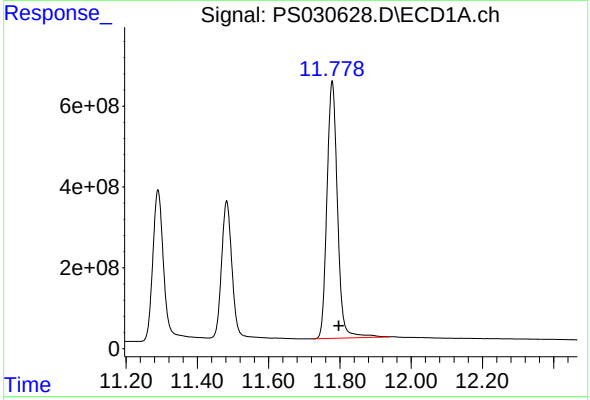
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/16/2025



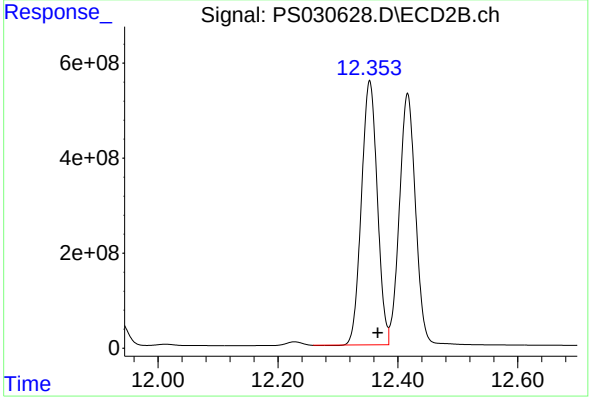
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.013 min
Response: 9842229168
Conc: 445.67 ng/ml



#16 DCPA

R.T.: 11.778 min
Delta R.T.: -0.019 min
Response: 13054332717
Conc: 493.73 ng/ml



#16 DCPA

R.T.: 12.353 min
Delta R.T.: -0.014 min
Response: 10204173090
Conc: 498.67 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-3MS	SDG No.:	Q2259
Lab Sample ID:	Q2266-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030754.D	1	06/10/25 09:42	06/19/25 09:50	PB168375

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.14		0.0087	0.037	0.076	mg/Kg
75-99-0	DALAPON	0.23	P	0.020	0.056	0.076	mg/Kg
120-36-5	DICHLORPROP	0.15		0.014	0.037	0.076	mg/Kg
94-75-7	2,4-D	0.17		0.010	0.037	0.076	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.24		0.010	0.037	0.076	mg/Kg
93-76-5	2,4,5-T	0.16		0.0098	0.037	0.076	mg/Kg
94-82-6	2,4-DB	0.15		0.027	0.037	0.076	mg/Kg
88-85-7	DINOSEB	0.087		0.012	0.037	0.076	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	463		27 - 122		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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030754.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 09:50
Operator : AR\AJ
Sample : Q2266-01MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
WC-3MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.348	7.769	1690.8E6	496.2E6	460.159	462.871m
	Target Compounds						
1) T	Dalapon	2.707	2.710	1050.9E6	1660.9E6	176.159m	605.779m#
2) T	3,5-DICHL...	6.522	6.714	4310.4E6	573.9E6	801.562	355.788 #
5) T	DICAMBA	7.539	7.972	5718.4E6	2437.2E6	375.840	371.903
6) T	MCPP	7.719	8.070	313.0E6	63408360	33.335	30.233
7) T	MCPA	7.868	8.317	399.9E6	103.3E6	34.090	32.824
8) T	DICHLORPROP	8.254	8.691	1499.2E6	607.8E6	400.226	386.515
9) T	2,4-D	8.486	9.026	1555.1E6	751.4E6	451.479	442.157m
10) T	Pentachlo...	8.793	9.552	16704.5E6	11524.1E6	315.624	302.294
11) T	2,4,5-TP ...	9.374	9.934	8739.3E6	9023.6E6	436.303	625.395 #
12) T	2,4,5-T	9.668	10.359	6733.6E6	5654.0E6	409.258	413.770
13) T	2,4-DB	10.248	10.926	893.4E6	483.6E6	389.514	408.830m
14) T	DINOSEB	11.467	11.312	3192.5E6	2346.2E6	230.123	217.623
15) T	Picloram	11.275	12.420	5656.8E6	7947.5E6	351.876	341.954
16) T	DCPA	11.760	12.356	9868.2E6	8553.8E6	385.231	388.055m

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

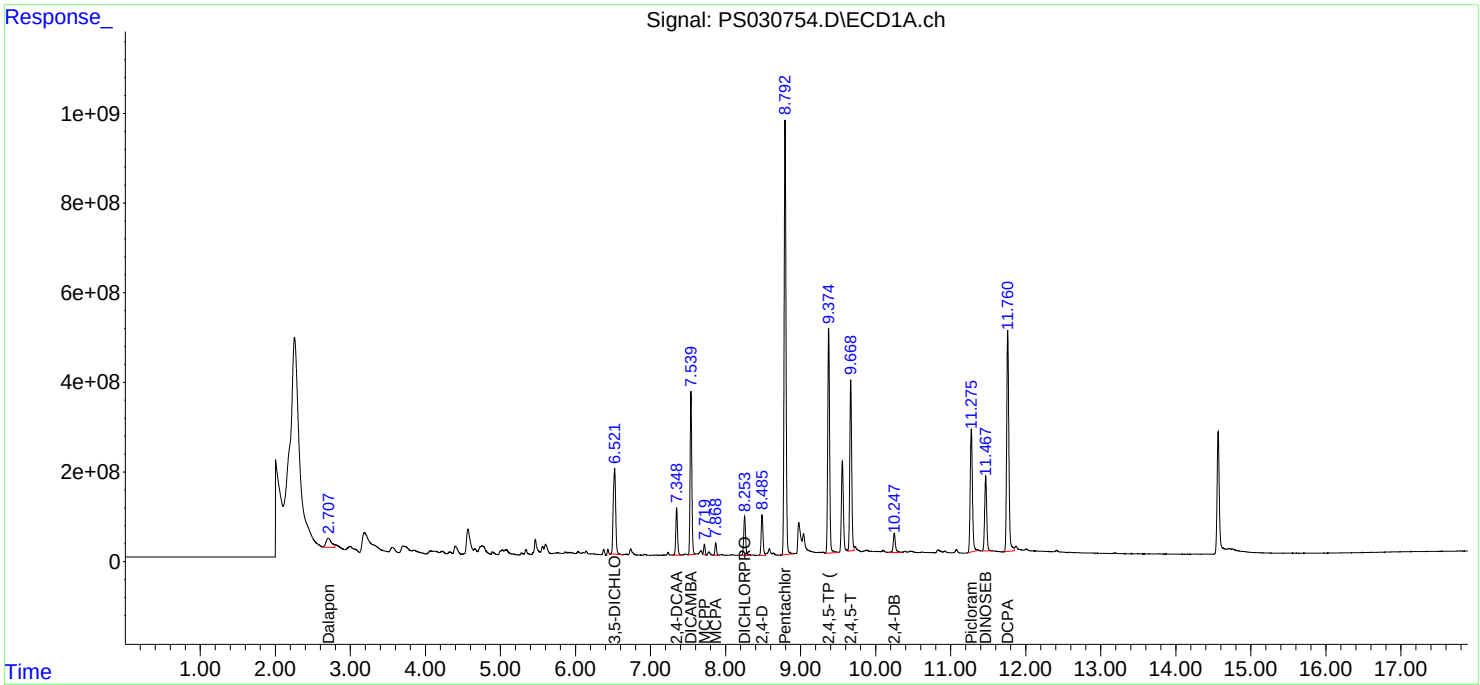
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030754.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 09:50
Operator : AR\AJ
Sample : Q2266-01MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

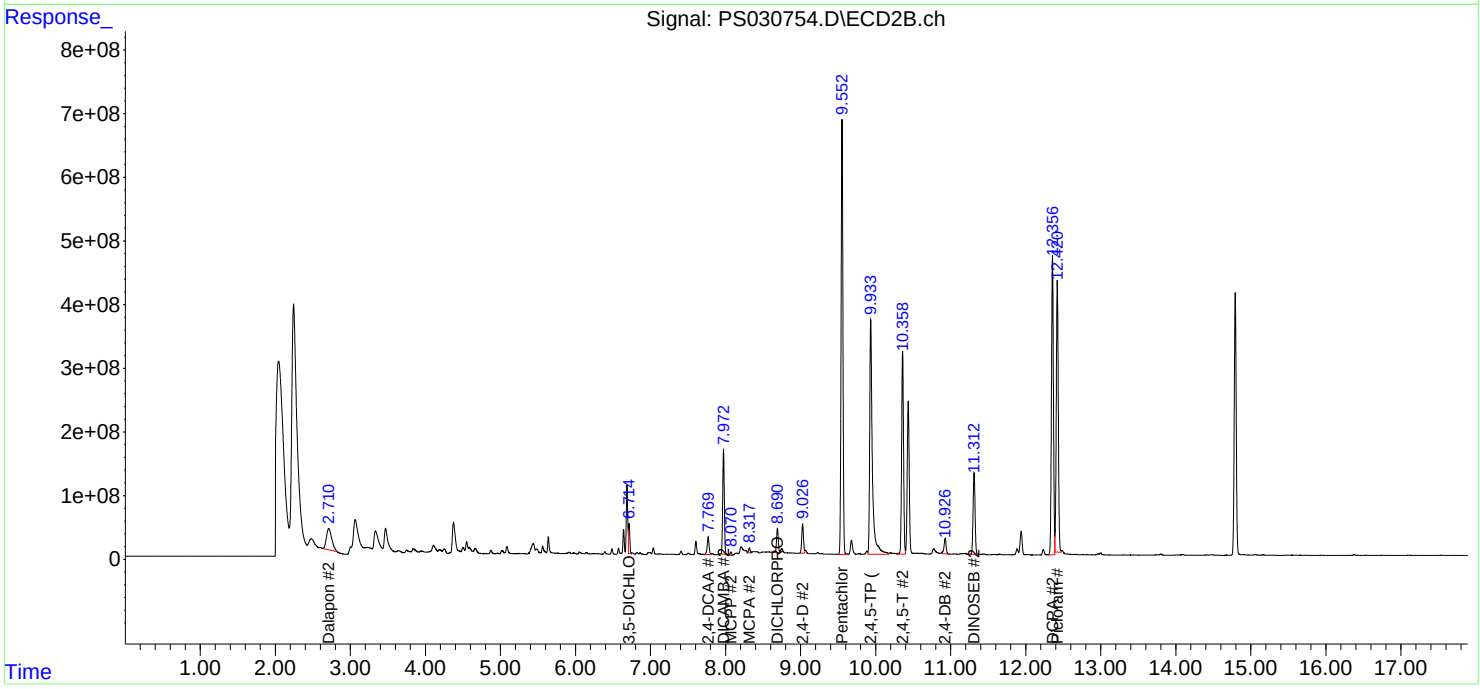
Instrument :
ECD_S
ClientSampleId :
WC-3MS

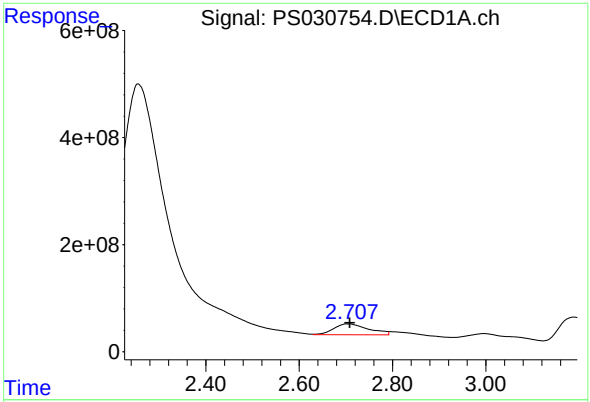
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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







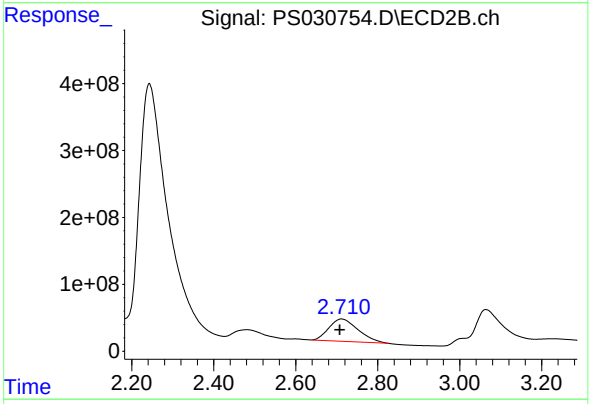
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: -0.001 min
Response: 1050896737
Conc: 176.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS

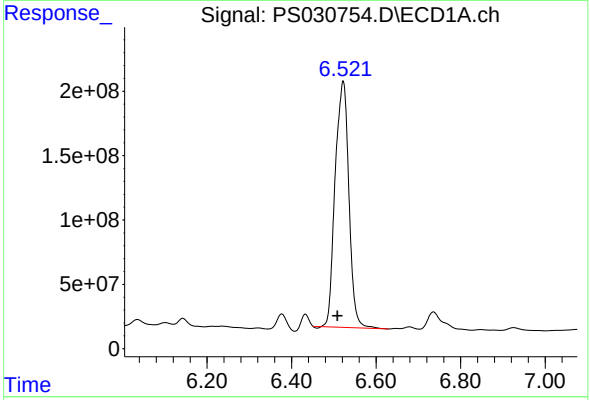
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



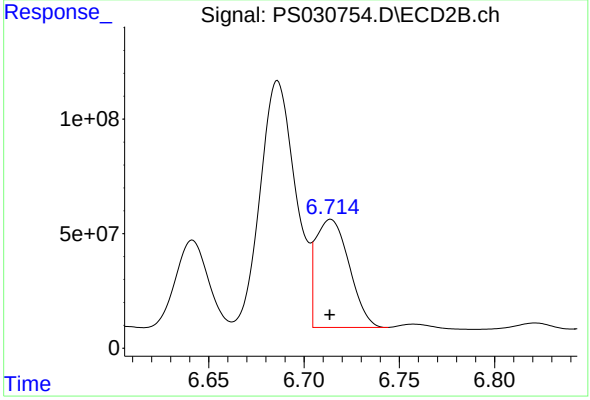
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.003 min
Response: 1660889706
Conc: 605.78 ng/ml m



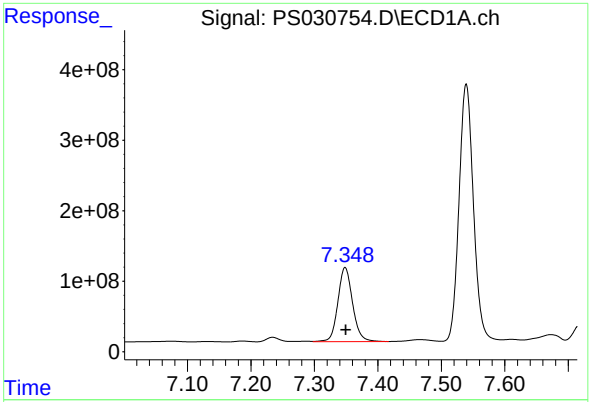
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.522 min
Delta R.T.: 0.013 min
Response: 4310439741
Conc: 801.56 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 573939714
Conc: 355.79 ng/ml



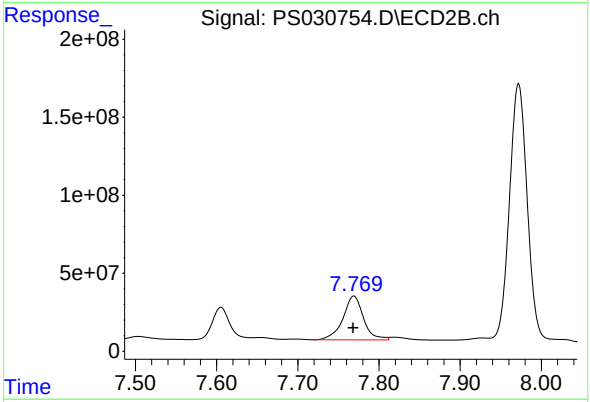
#4 2,4-DCAA

R.T.: 7.348 min
Delta R.T.: -0.001 min
Response: 1690805449
Conc: 460.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS

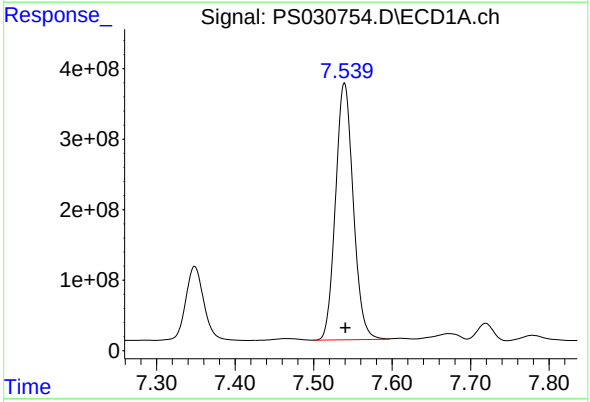
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



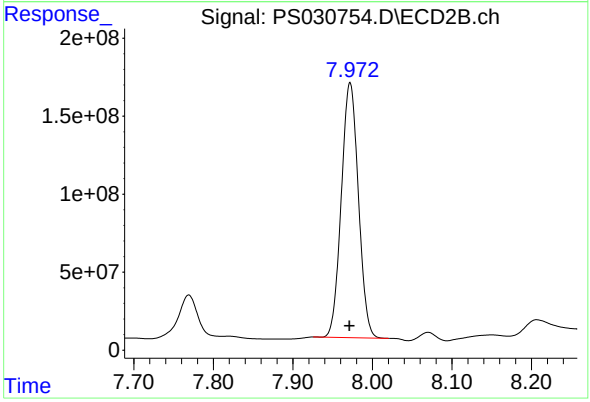
#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 496180568
Conc: 462.87 ng/ml m



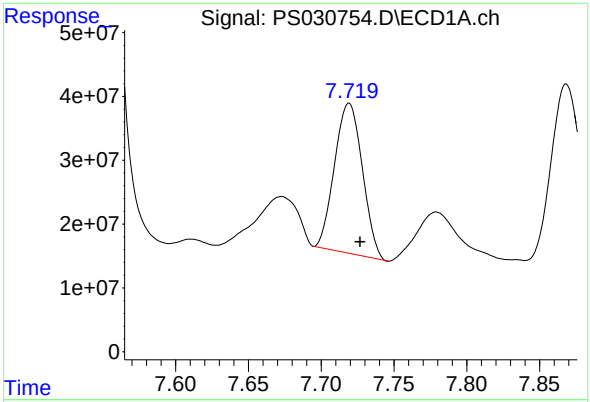
#5 DICAMBA

R.T.: 7.539 min
Delta R.T.: -0.001 min
Response: 5718435279
Conc: 375.84 ng/ml



#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 2437163020
Conc: 371.90 ng/ml



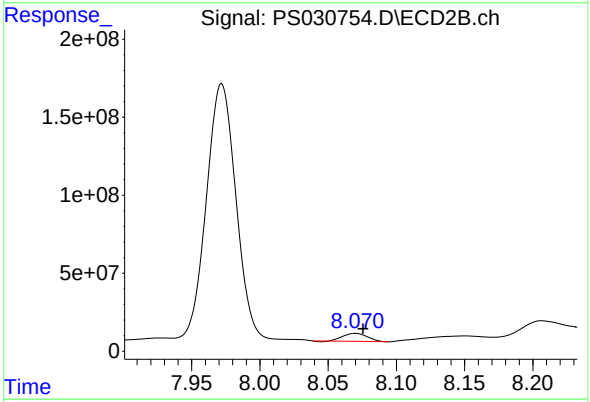
#6 MCPP

R.T.: 7.719 min
Delta R.T.: -0.008 min
Response: 312964267
Conc: 33.34 ug/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS

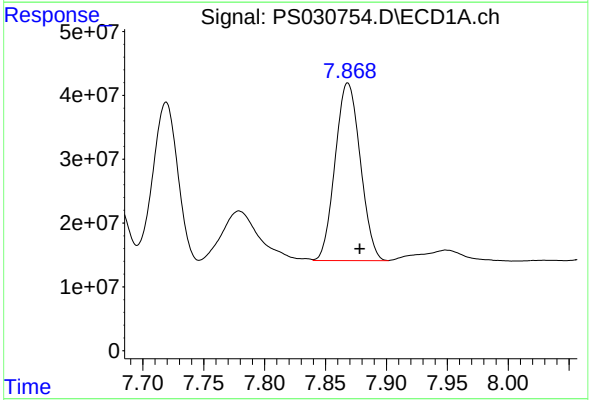
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



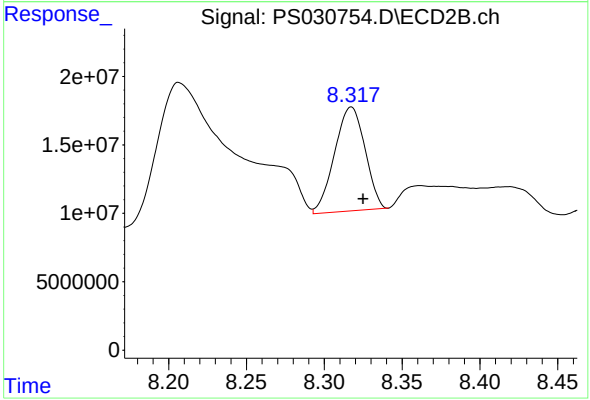
#6 MCPP

R.T.: 8.070 min
Delta R.T.: -0.006 min
Response: 63408360
Conc: 30.23 ug/ml



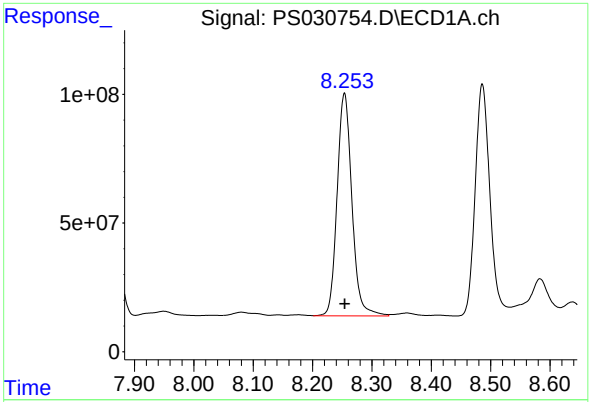
#7 MCPA

R.T.: 7.868 min
Delta R.T.: -0.010 min
Response: 399892461
Conc: 34.09 ug/ml



#7 MCPA

R.T.: 8.317 min
Delta R.T.: -0.008 min
Response: 103255309
Conc: 32.82 ug/ml



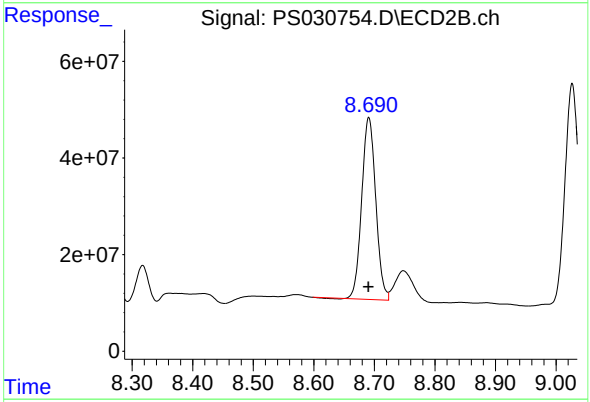
#8 DICHLORPROP

R.T.: 8.254 min
Delta R.T.: 0.000 min
Response: 1499150948
Conc: 400.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS

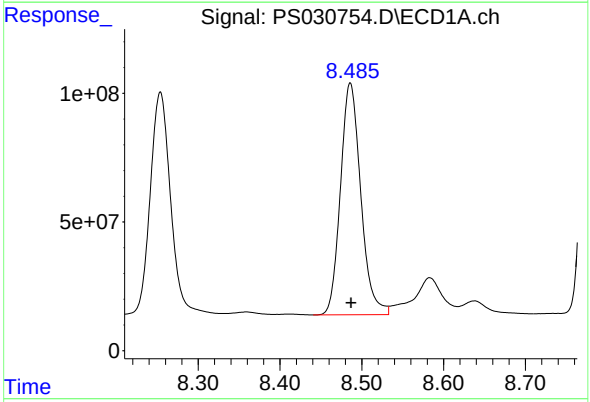
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



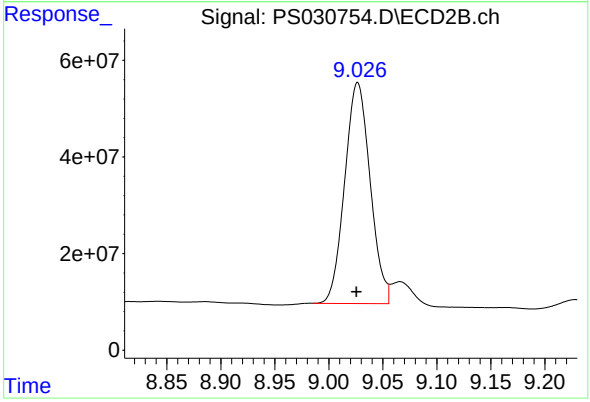
#8 DICHLORPROP

R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 607792765
Conc: 386.51 ng/ml



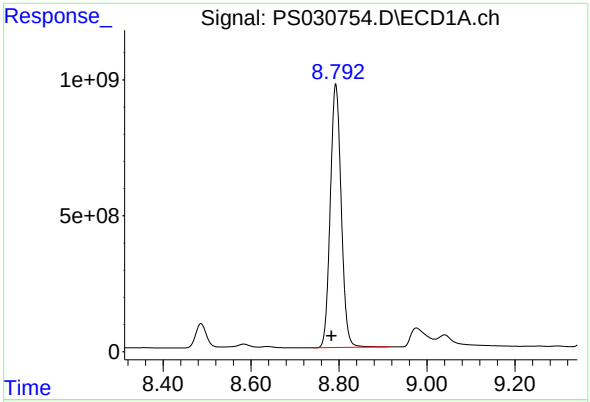
#9 2,4-D

R.T.: 8.486 min
Delta R.T.: -0.001 min
Response: 1555078679
Conc: 451.48 ng/ml



#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 751404348
Conc: 442.16 ng/ml m



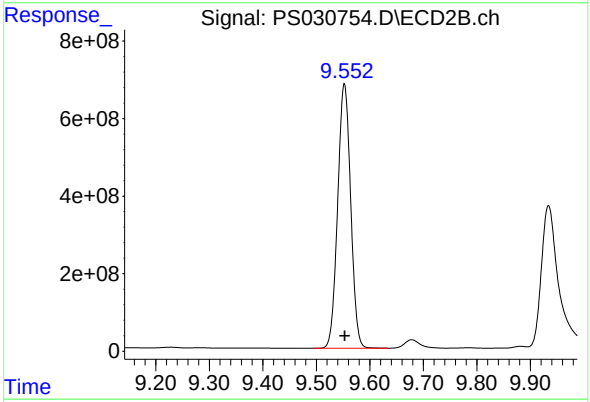
#10 Pentachlorophenol

R.T.: 8.793 min
Delta R.T.: 0.010 min
Response: 16704519021
Conc: 315.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS

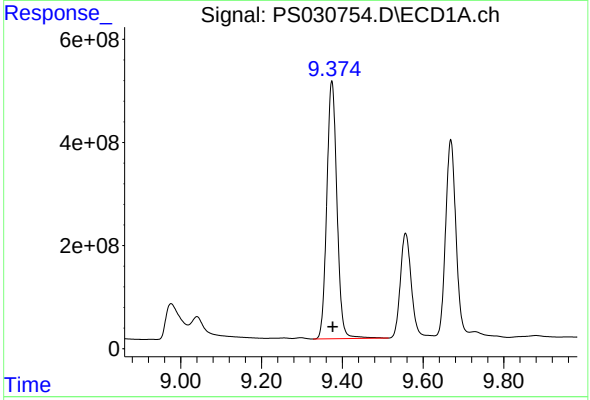
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



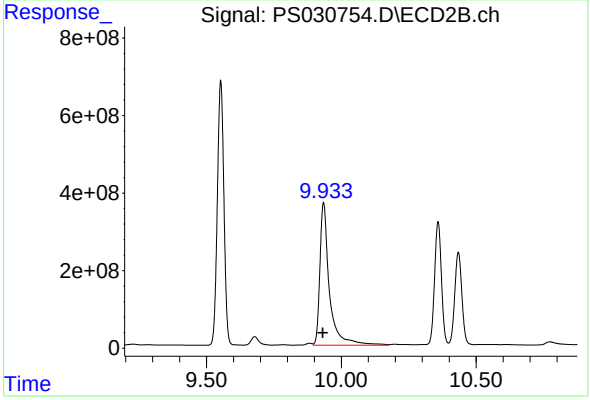
#10 Pentachlorophenol

R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 11524096589
Conc: 302.29 ng/ml



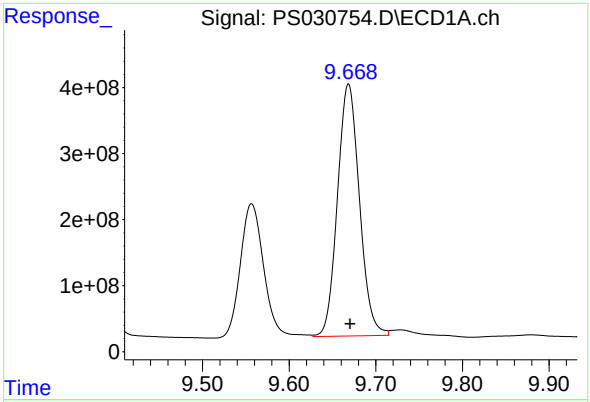
#11 2,4,5-TP (SILVEX)

R.T.: 9.374 min
Delta R.T.: -0.002 min
Response: 8739319656
Conc: 436.30 ng/ml



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

R.T.: 9.934 min
Delta R.T.: 0.002 min
Response: 9023644622
Conc: 625.40 ng/ml



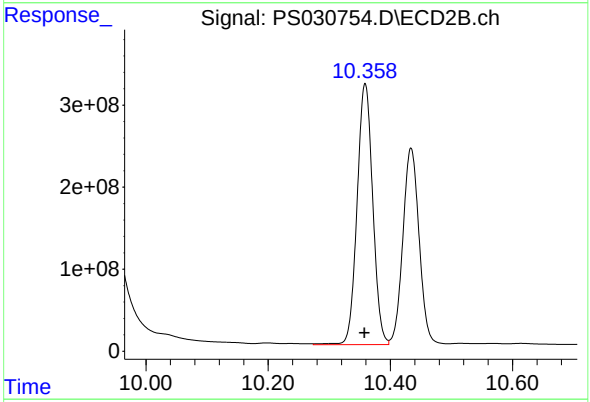
#12 2,4,5-T

R.T.: 9.668 min
Delta R.T.: -0.002 min
Response: 6733591820
Conc: 409.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS

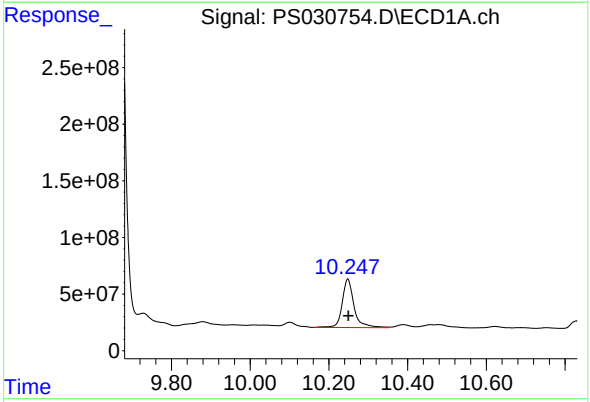
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



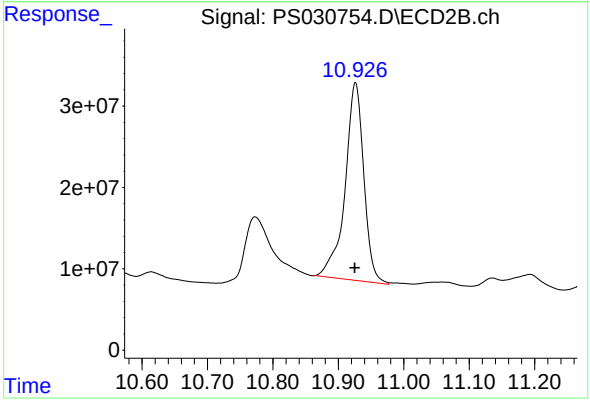
#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 5654010763
Conc: 413.77 ng/ml



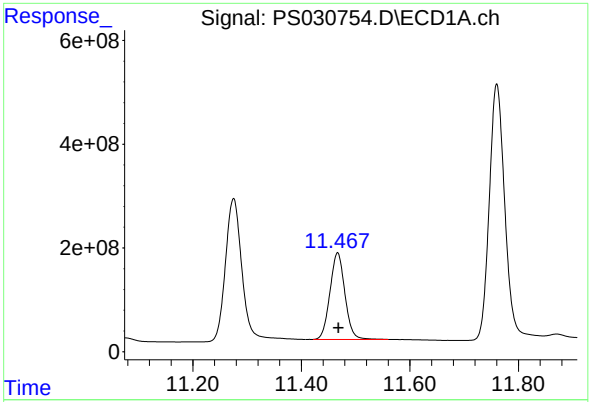
#13 2,4-DB

R.T.: 10.248 min
Delta R.T.: -0.002 min
Response: 893351272
Conc: 389.51 ng/ml



#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 483606182
Conc: 408.83 ng/ml m



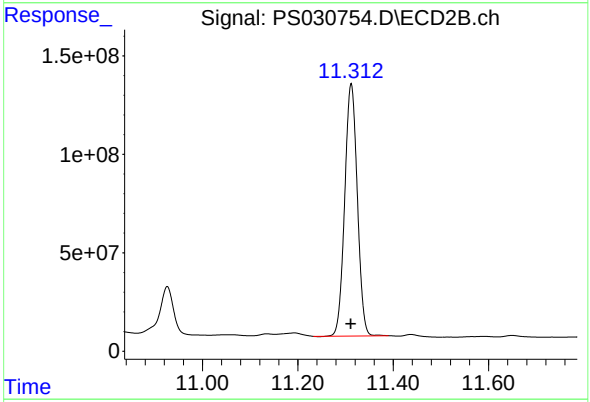
#14 DINOSEB

R.T.: 11.467 min
Delta R.T.: -0.002 min
Response: 3192538197
Conc: 230.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS

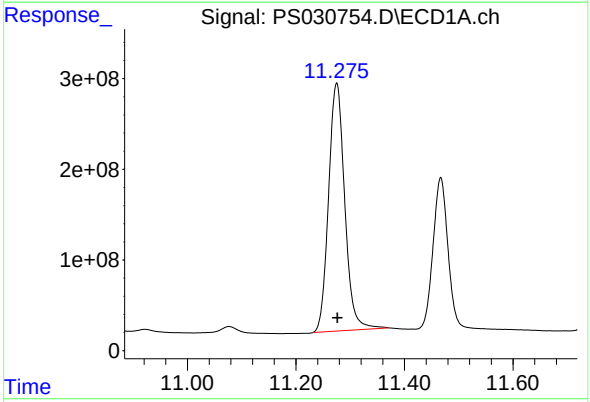
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



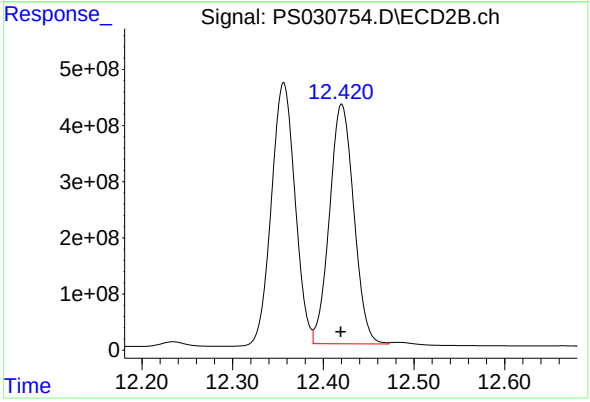
#14 DINOSEB

R.T.: 11.312 min
Delta R.T.: 0.000 min
Response: 2346246740
Conc: 217.62 ng/ml



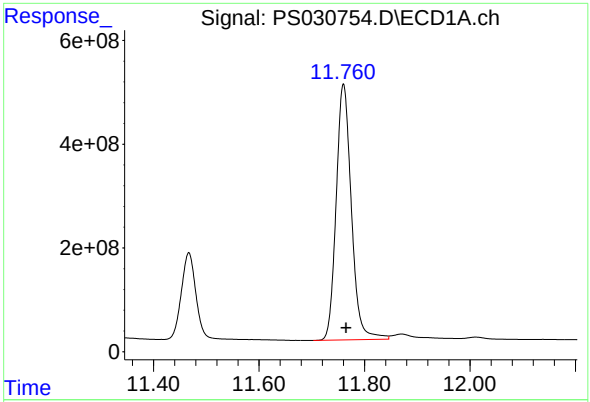
#15 Picloram

R.T.: 11.275 min
Delta R.T.: -0.001 min
Response: 5656795754
Conc: 351.88 ng/ml



#15 Picloram

R.T.: 12.420 min
Delta R.T.: 0.000 min
Response: 7947489507
Conc: 341.95 ng/ml



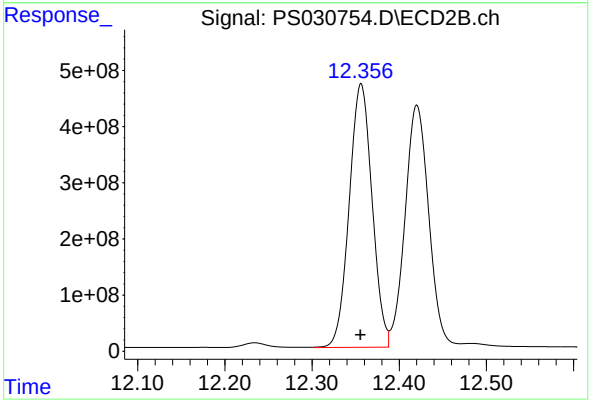
#16 DCPA

R.T.: 11.760 min
Delta R.T.: -0.005 min
Response: 9868177110
Conc: 385.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



#16 DCPA

R.T.: 12.356 min
Delta R.T.: 0.000 min
Response: 8553805799
Conc: 388.05 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-3MSD	SDG No.:	Q2259
Lab Sample ID:	Q2266-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.6 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030755.D	1	06/10/25 09:42	06/19/25 10:18	PB168375

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.14		0.0087	0.037	0.076	mg/Kg
75-99-0	DALAPON	0.23	P	0.020	0.056	0.076	mg/Kg
120-36-5	DICHLORPROP	0.15		0.014	0.037	0.076	mg/Kg
94-75-7	2,4-D	0.17		0.010	0.037	0.076	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.24		0.010	0.037	0.076	mg/Kg
93-76-5	2,4,5-T	0.16		0.0098	0.037	0.076	mg/Kg
94-82-6	2,4-DB	0.15		0.027	0.037	0.076	mg/Kg
88-85-7	DINOSEB	0.087		0.012	0.037	0.076	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	460		27 - 122		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\PS061925\
Data File : PS030755.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 10:18
Operator : AR\AJ
Sample : Q2266-01MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
WC-3MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.349	7.768	1690.1E6	492.2E6	459.959	459.185
	Target Compounds						
1) T	Dalapon	2.702	2.709	1019.1E6	1695.4E6	170.823m	618.365m#
2) T	3,5-DICHL...	6.522	6.713	4303.7E6	580.6E6	800.305	359.905 #
5) T	DICAMBA	7.540	7.972	5737.4E6	2441.3E6	377.087	372.530
6) T	MCPP	7.719	8.069	315.5E6	68111174	33.605	32.475
7) T	MCPA	7.869	8.317	400.7E6	104.1E6	34.155	33.091
8) T	DICHLORPROP	8.253	8.690	1494.4E6	615.6E6	398.947	391.460
9) T	2,4-D	8.486	9.025	1556.9E6	760.2E6	451.996	447.359m
10) T	Pentachlo...	8.794	9.551	16668.7E6	11448.0E6	314.947	300.297
11) T	2,4,5-TP ...	9.374	9.933	8743.5E6	9004.8E6	436.512	624.092 #
12) T	2,4,5-T	9.669	10.358	6701.1E6	5619.0E6	407.286	411.208
13) T	2,4-DB	10.249	10.925	876.6E6	482.0E6	382.202	407.469m
14) T	DINOSEB	11.466	11.311	3193.7E6	2342.7E6	230.208	217.293
15) T	Picloram	11.276	12.420	5443.8E6	7683.4E6	338.624	330.591
16) T	DCPA	11.762	12.356	9803.0E6	8482.8E6	382.689	384.834m

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

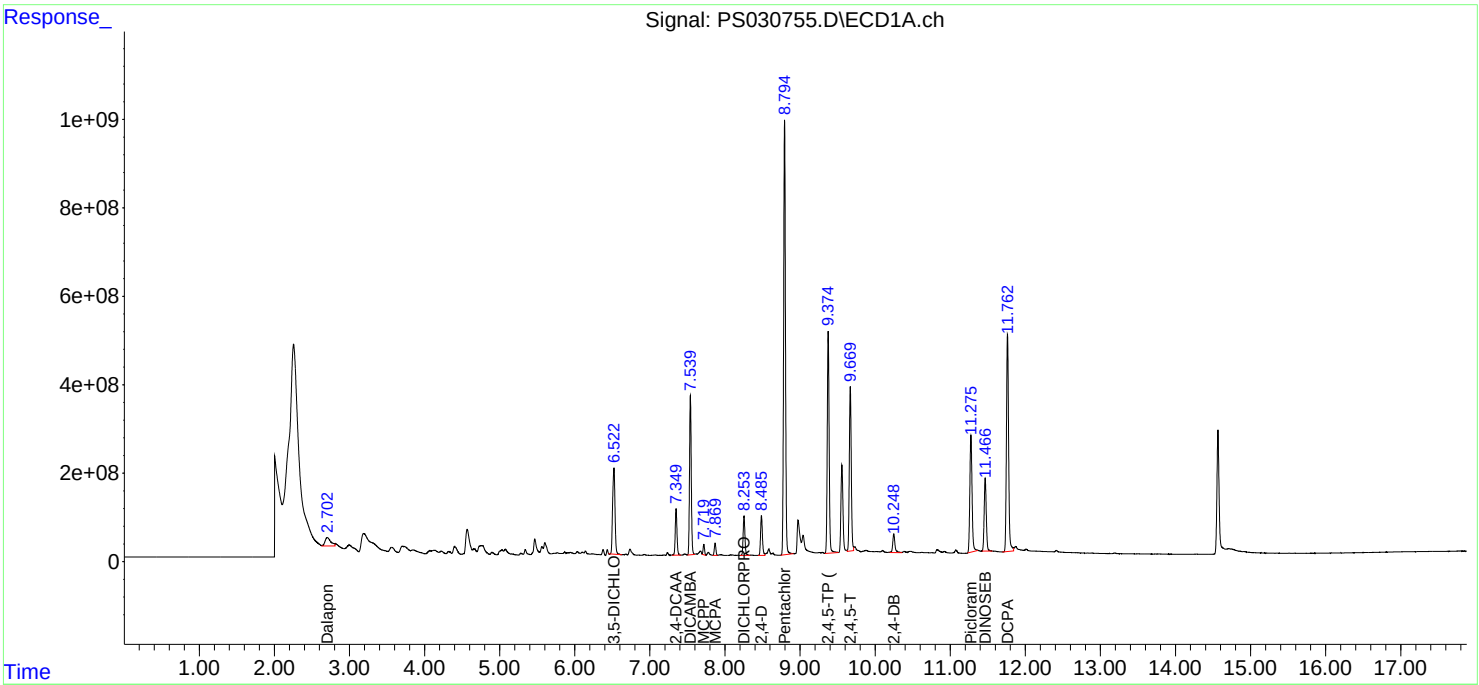
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030755.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 10:18
Operator : AR\AJ
Sample : Q2266-01MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

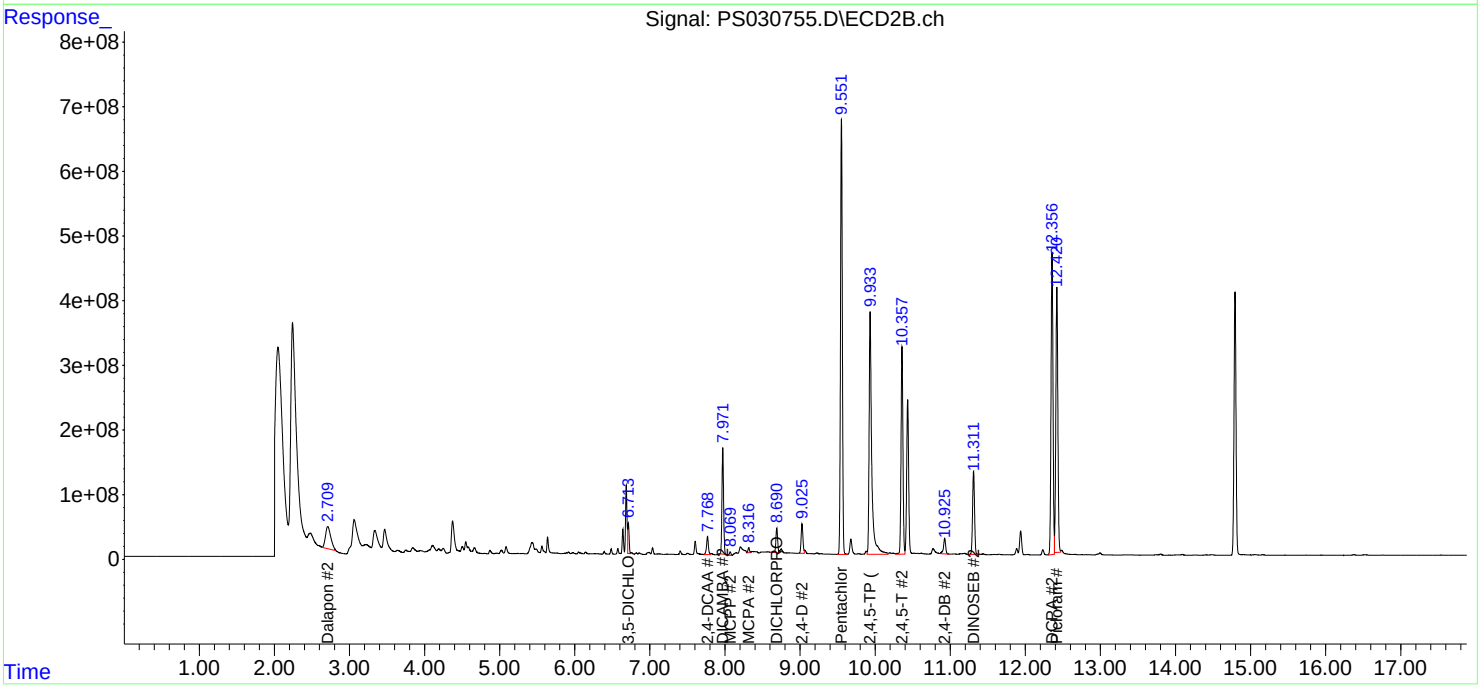
Instrument :
ECD_S
ClientSampleId :
WC-3MSD

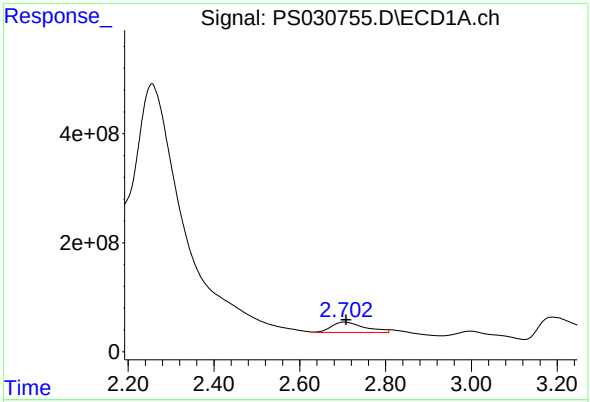
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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







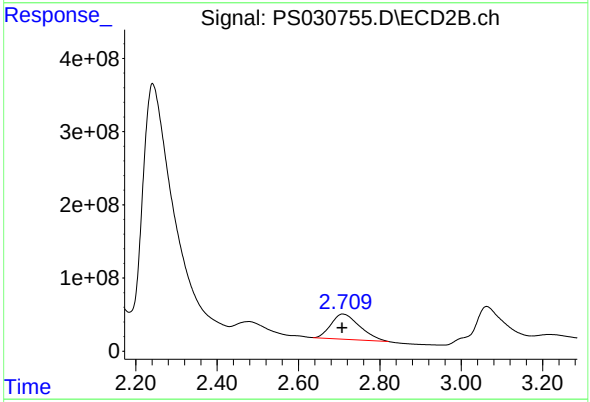
#1 Dalapon

R.T.: 2.702 min
Delta R.T.: -0.006 min
Response: 1019065065
Conc: 170.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD

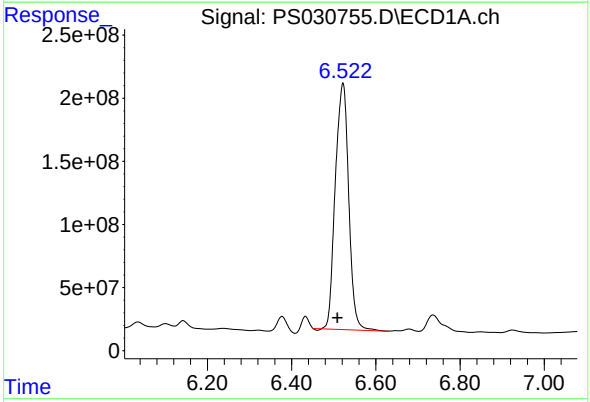
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



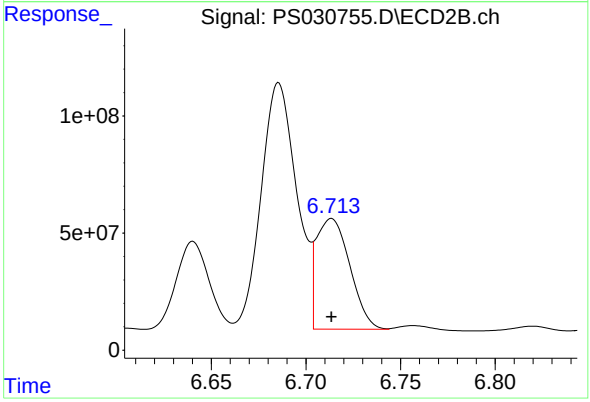
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.002 min
Response: 1695397465
Conc: 618.36 ng/ml m



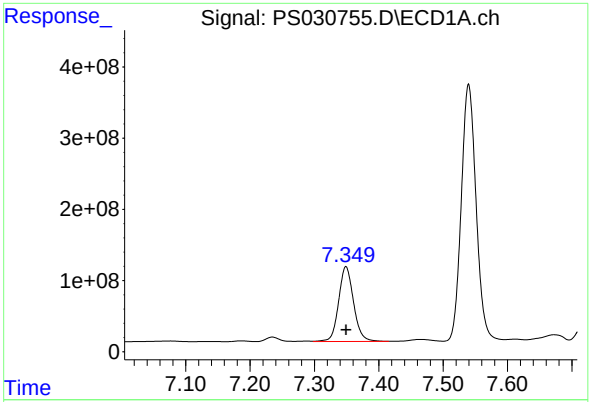
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.522 min
Delta R.T.: 0.013 min
Response: 4303680045
Conc: 800.30 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 580580783
Conc: 359.91 ng/ml



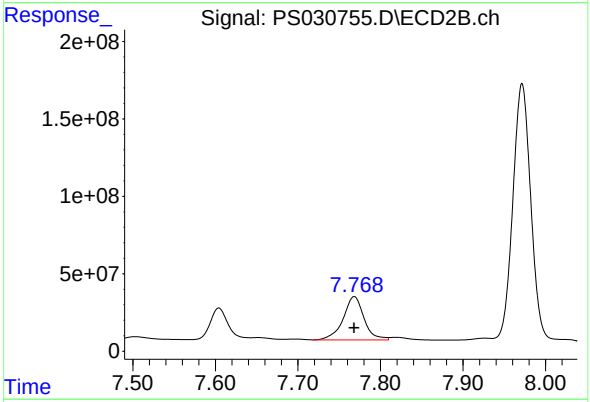
#4 2,4-DCAA

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 1690072527
Conc: 459.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD

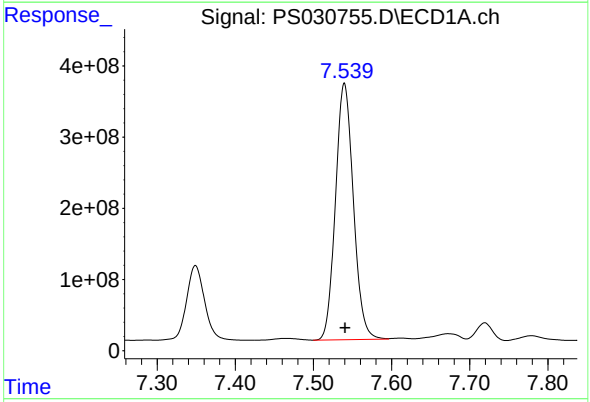
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



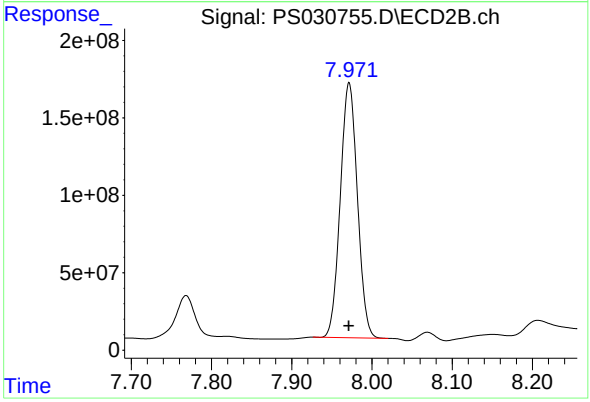
#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 492229924
Conc: 459.19 ng/ml



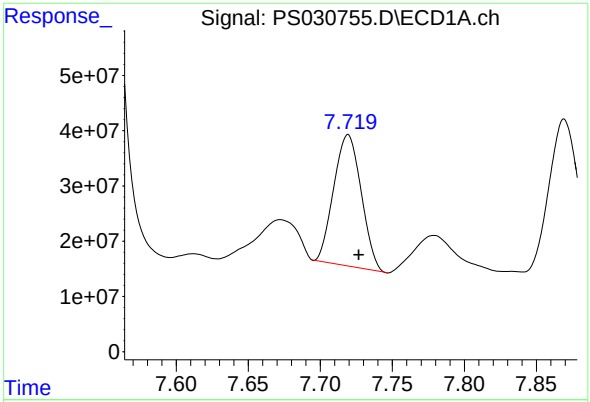
#5 DICAMBA

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 5737421113
Conc: 377.09 ng/ml



#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 2441267572
Conc: 372.53 ng/ml



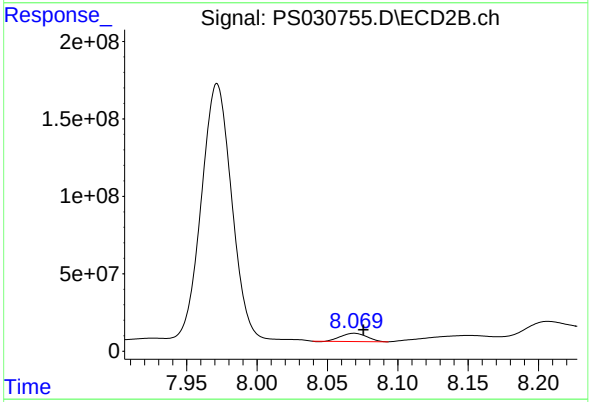
#6 MCPP

R.T.: 7.719 min
Delta R.T.: -0.008 min
Response: 315494014
Conc: 33.60 ug/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD

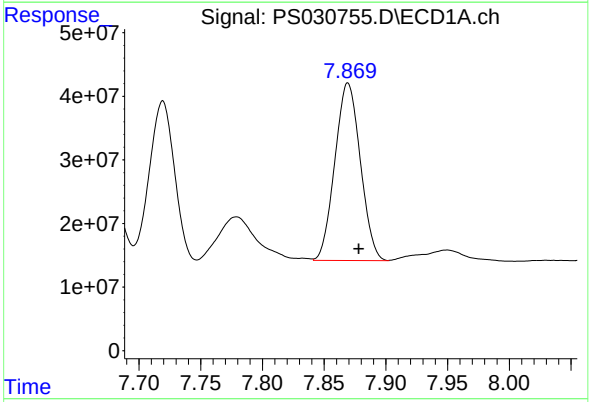
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



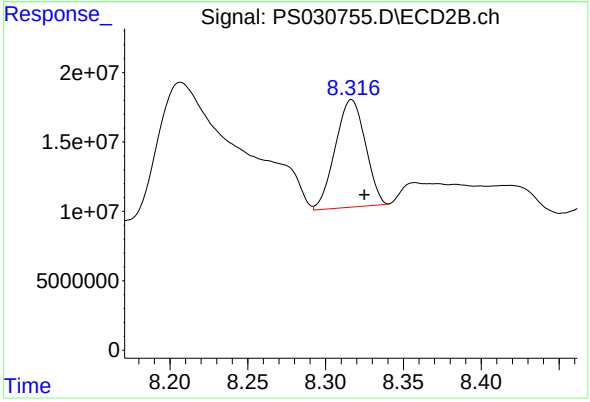
#6 MCPP

R.T.: 8.069 min
Delta R.T.: -0.007 min
Response: 68111174
Conc: 32.48 ug/ml



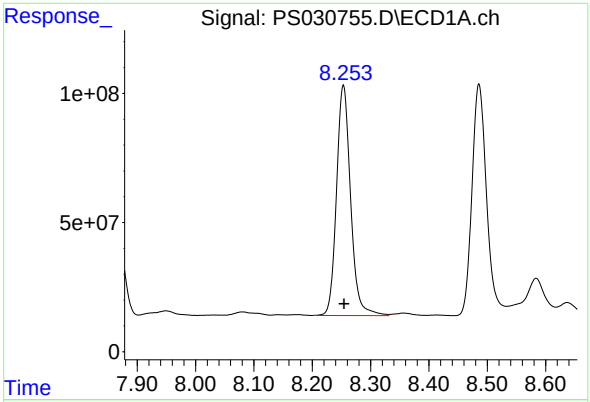
#7 MCPA

R.T.: 7.869 min
Delta R.T.: -0.009 min
Response: 400661760
Conc: 34.16 ug/ml



#7 MCPA

R.T.: 8.317 min
Delta R.T.: -0.008 min
Response: 104096426
Conc: 33.09 ug/ml



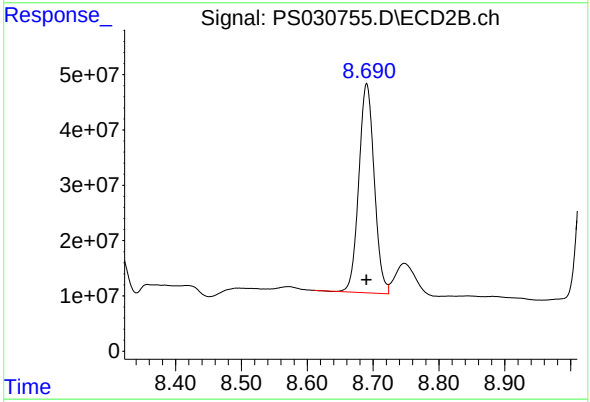
#8 DICHLORPROP

R.T.: 8.253 min
Delta R.T.: 0.000 min
Response: 1494359842
Conc: 398.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD

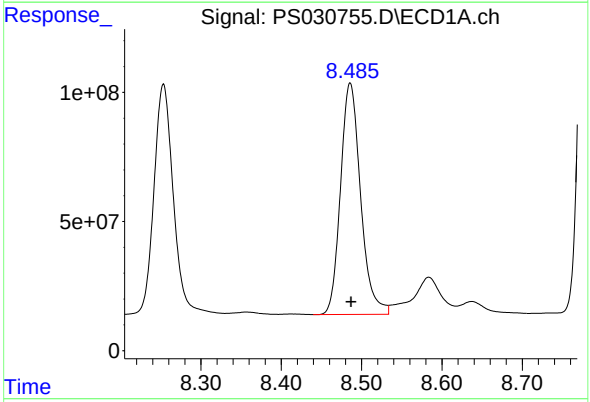
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



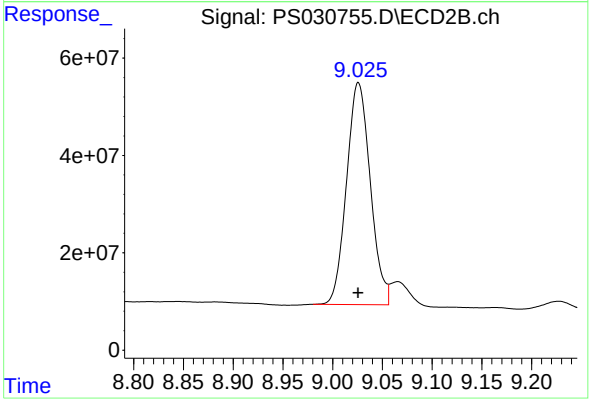
#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 615568578
Conc: 391.46 ng/ml



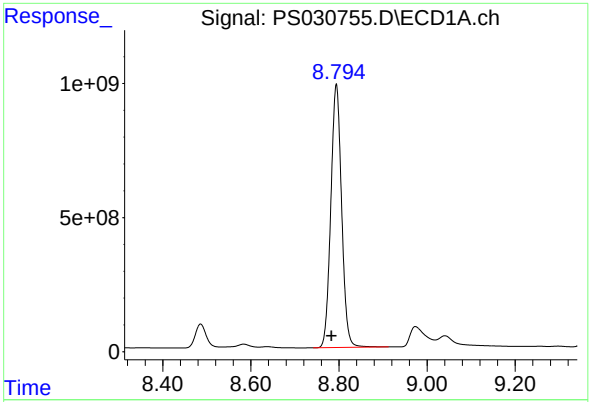
#9 2,4-D

R.T.: 8.486 min
Delta R.T.: -0.001 min
Response: 1556859197
Conc: 452.00 ng/ml



#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 760243867
Conc: 447.36 ng/ml m



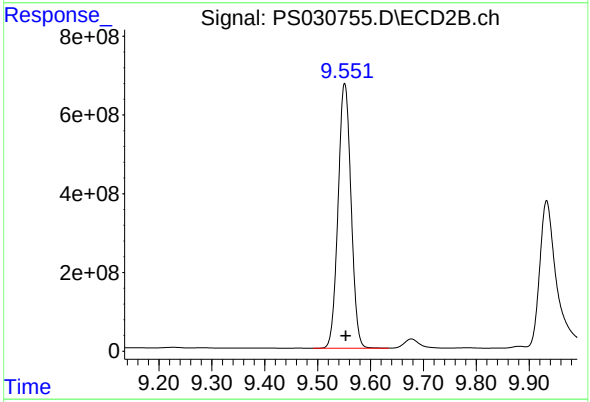
#10 Pentachlorophenol

R.T.: 8.794 min
Delta R.T.: 0.011 min
Response: 16668697570
Conc: 314.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD

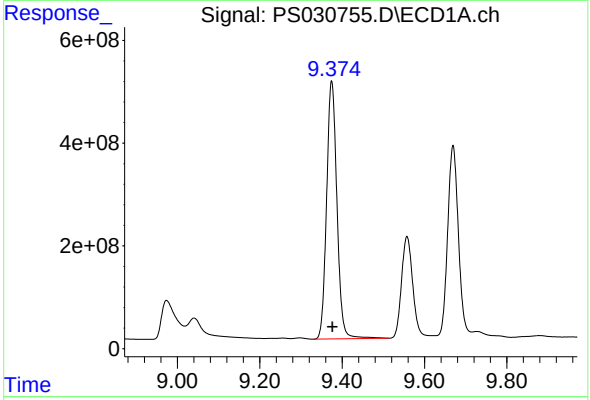
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



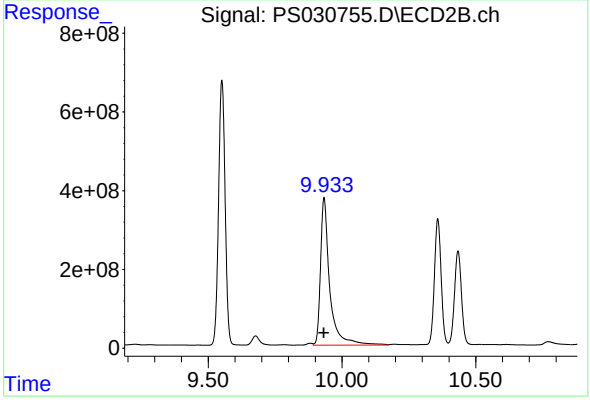
#10 Pentachlorophenol

R.T.: 9.551 min
Delta R.T.: -0.002 min
Response: 11447965928
Conc: 300.30 ng/ml



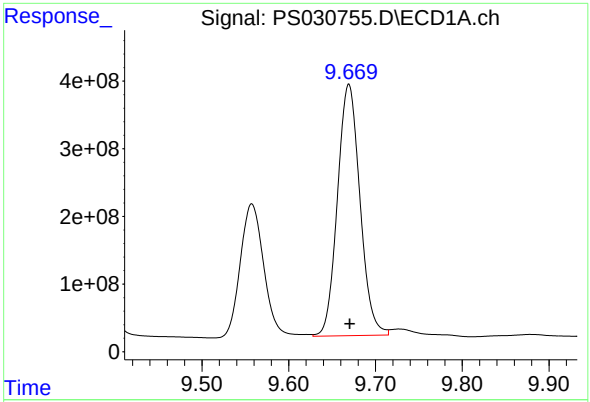
#11 2,4,5-TP (SILVEX)

R.T.: 9.374 min
Delta R.T.: -0.002 min
Response: 8743520766
Conc: 436.51 ng/ml



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

R.T.: 9.933 min
Delta R.T.: 0.001 min
Response: 9004838590
Conc: 624.09 ng/ml



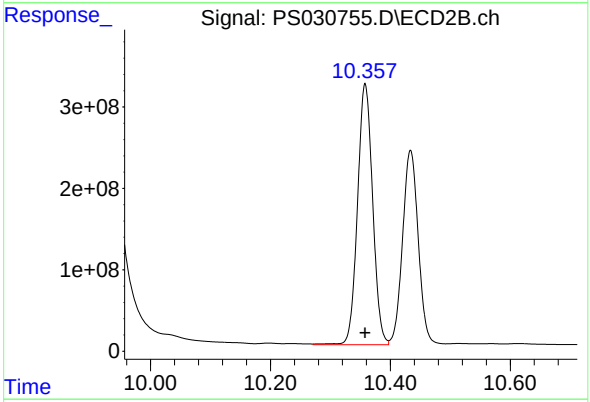
#12 2,4,5-T

R.T.: 9.669 min
Delta R.T.: 0.000 min
Response: 6701131745
Conc: 407.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD

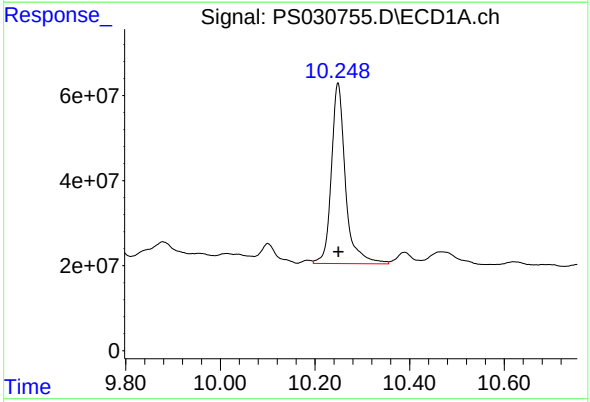
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



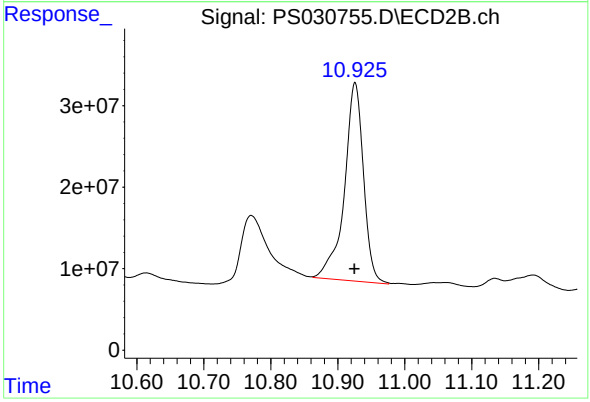
#12 2,4,5-T

R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 5619006910
Conc: 411.21 ng/ml



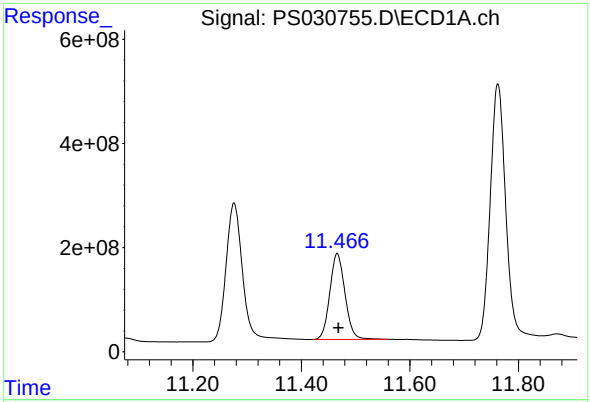
#13 2,4-DB

R.T.: 10.249 min
Delta R.T.: -0.001 min
Response: 876581339
Conc: 382.20 ng/ml



#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 481996219
Conc: 407.47 ng/ml m



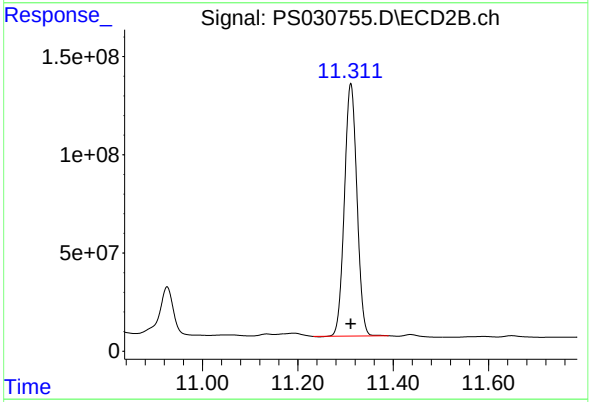
#14 DINOSEB

R.T.: 11.466 min
Delta R.T.: -0.002 min
Response: 3193719912
Conc: 230.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD

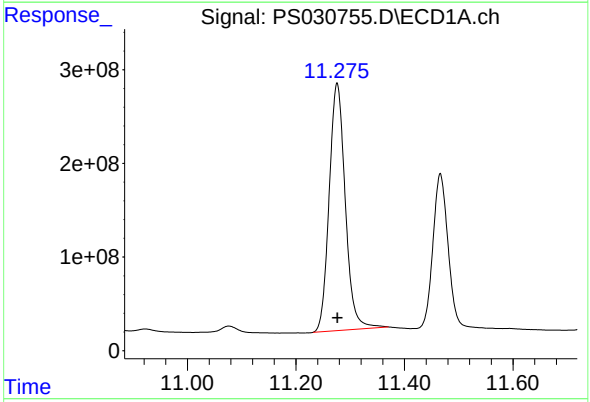
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



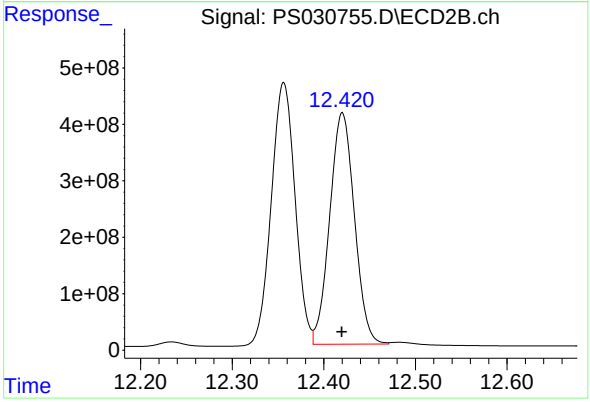
#14 DINOSEB

R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 2342689815
Conc: 217.29 ng/ml



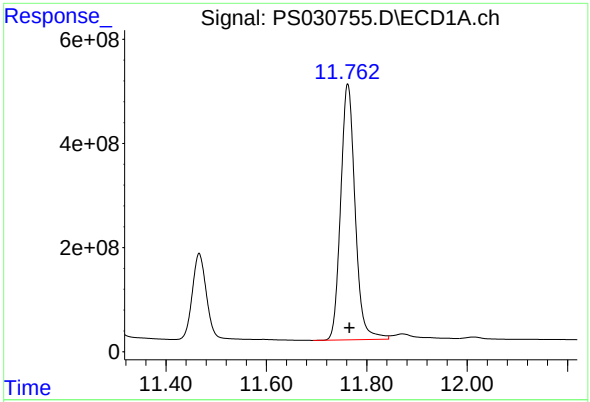
#15 Picloram

R.T.: 11.276 min
Delta R.T.: 0.000 min
Response: 5443758091
Conc: 338.62 ng/ml



#15 Picloram

R.T.: 12.420 min
Delta R.T.: 0.000 min
Response: 7683402781
Conc: 330.59 ng/ml



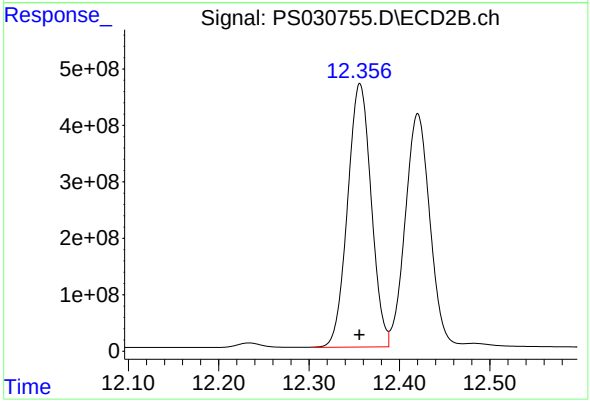
#16 DCPA

R.T.: 11.762 min
Delta R.T.: -0.003 min
Response: 9803049875
Conc: 382.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/20/2025
Supervised By :mohammad ahmed 06/20/2025



#16 DCPA

R.T.: 12.356 min
Delta R.T.: 0.000 min
Response: 8482823168
Conc: 384.83 ng/ml m

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

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

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

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
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
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
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

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

Manual Integration Report

Sequence:	ps061025	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030594.D	DCPA #2	Abdul	6/11/2025 7:45:48 AM	mohammad	6/12/2025 3:33:36	Peak Integrated by Software
HSTDCCC750	PS030594.D	MCPP	Abdul	6/11/2025 7:45:48 AM	mohammad	6/12/2025 3:33:36	Peak Integrated by Software
HSTDCCC750	PS030594.D	Pentachlorophenol	Abdul	6/11/2025 7:45:48 AM	mohammad	6/12/2025 3:33:36	Peak Integrated by Software
HSTDCCC750	PS030594.D	Picloram	Abdul	6/11/2025 7:45:48 AM	mohammad	6/12/2025 3:33:36	Peak Integrated by Software
Q2259-01	PS030601.D	2,4-DCAA #2	Abdul	6/11/2025 7:46:13 AM	mohammad	6/12/2025 3:33:36	Peak Integrated by Software
HSTDCCC750	PS030606.D	2,4-DCAA	Abdul	6/11/2025 7:46:21 AM	mohammad	6/12/2025 3:33:36	Peak Integrated by Software
HSTDCCC750	PS030606.D	DCPA #2	Abdul	6/11/2025 7:46:21 AM	mohammad	6/12/2025 3:33:36	Peak Integrated by Software
HSTDCCC750	PS030606.D	MCPP	Abdul	6/11/2025 7:46:21 AM	mohammad	6/12/2025 3:33:36	Peak Integrated by Software
HSTDCCC750	PS030606.D	Picloram	Abdul	6/11/2025 7:46:21 AM	mohammad	6/12/2025 3:33:36	Peak Integrated by Software
HSTDCCC750	PS030618.D	MCPP	Abdul	6/11/2025 7:46:38 AM	mohammad	6/12/2025 3:33:36	Peak Integrated by Software
HSTDCCC750	PS030618.D	Picloram	Abdul	6/11/2025 7:46:38 AM	mohammad	6/12/2025 3:33:36	Peak Integrated by Software

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

Manual Integration Report

Sequence:	ps061125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030621.D	2,4-DCAA	Abdul	6/12/2025 8:12:05 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030621.D	DCPA #2	Abdul	6/12/2025 8:12:05 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030621.D	MCPP	Abdul	6/12/2025 8:12:05 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030621.D	Pentachlorophenol	Abdul	6/12/2025 8:12:05 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030621.D	Picloram	Abdul	6/12/2025 8:12:05 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
PB168375BS	PS030628.D	2,4-DCAA	Abdul	6/12/2025 8:12:20 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
PB168375BS	PS030628.D	MCPP	Abdul	6/12/2025 8:12:20 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
PB168375BS	PS030628.D	Pentachlorophenol	Abdul	6/12/2025 8:12:20 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
PB168375BS	PS030628.D	Picloram	Abdul	6/12/2025 8:12:20 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030630.D	2,4-DCAA	Abdul	6/12/2025 8:12:23 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030630.D	MCPP	Abdul	6/12/2025 8:12:23 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030630.D	Pentachlorophenol	Abdul	6/12/2025 8:12:23 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030630.D	Picloram	Abdul	6/12/2025 8:12:23 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software

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

Manual Integration Report

Sequence:	ps061125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030633.D	2,4-DCAA	Abdul	6/12/2025 8:12:29 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030633.D	DCPA #2	Abdul	6/12/2025 8:12:29 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030633.D	DINOSEB	Abdul	6/12/2025 8:12:29 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030633.D	MCPP	Abdul	6/12/2025 8:12:29 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030633.D	Pentachlorophenol	Abdul	6/12/2025 8:12:29 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software
HSTDCCC750	PS030633.D	Picloram	Abdul	6/12/2025 8:12:29 AM	mohammad	6/16/2025 2:04:29	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS061625	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030681.D	2,4-DCAA	Abdul	6/17/2025 8:55:56 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDICC200	PS030681.D	Dalapon	Abdul	6/17/2025 8:55:56 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDICC200	PS030681.D	DCPA #2	Abdul	6/17/2025 8:55:56 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDICC500	PS030682.D	2,4-DCAA	Abdul	6/17/2025 8:56:00 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDICC500	PS030682.D	Dalapon	Abdul	6/17/2025 8:56:00 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDICC500	PS030682.D	DCPA #2	Abdul	6/17/2025 8:56:00 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDICC750	PS030683.D	2,4-DCAA	Abdul	6/17/2025 8:56:04 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDICC1000	PS030684.D	2,4-DCAA	Abdul	6/17/2025 8:56:08 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDICC1000	PS030684.D	DCPA #2	Abdul	6/17/2025 8:56:08 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDICC1500	PS030685.D	2,4-DCAA	Abdul	6/17/2025 8:56:12 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDICC1500	PS030685.D	DCPA #2	Abdul	6/17/2025 8:56:12 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDICV750	PS030686.D	2,4-DCAA	Abdul	6/17/2025 8:56:16 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDCCC750	PS030688.D	2,4-DCAA	Abdul	6/17/2025 8:56:20 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS061625	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030688.D	DCPA #2	Abdul	6/17/2025 8:56:20 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDCCC750	PS030698.D	2,4-DB	Abdul	6/17/2025 8:56:27 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDCCC750	PS030698.D	2,4-DCAA	Abdul	6/17/2025 8:56:27 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDCCC750	PS030698.D	DCPA #2	Abdul	6/17/2025 8:56:27 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDCCC750	PS030706.D	2,4-DB	Abdul	6/17/2025 8:56:47 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDCCC750	PS030706.D	2,4-DCAA	Abdul	6/17/2025 8:56:47 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDCCC750	PS030706.D	DCPA #2	Abdul	6/17/2025 8:56:47 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDCCC750	PS030716.D	2,4-DB	Abdul	6/17/2025 8:57:12 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDCCC750	PS030716.D	2,4-DCAA	Abdul	6/17/2025 8:57:12 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software
HSTDCCC750	PS030716.D	DCPA #2	Abdul	6/17/2025 8:57:12 AM	mohammad	6/18/2025 1:49:41	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS061825	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030739.D	Dalapon	Abdul	6/19/2025 8:24:10 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC750	PS030741.D	2,4-DCAA	Abdul	6/19/2025 8:24:14 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC1000	PS030742.D	2,4-DCAA	Abdul	6/19/2025 8:24:17 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC1500	PS030743.D	2,4-DCAA	Abdul	6/19/2025 8:24:22 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC1500	PS030743.D	Pentachlorophenol	Abdul	6/19/2025 8:24:22 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICV750	PS030744.D	2,4-DCAA	Abdul	6/19/2025 8:24:26 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDCCC750	PS030746.D	2,4-DCAA	Abdul	6/20/2025 8:24:58 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDCCC750	PS030746.D	DCPA #2	Abdul	6/20/2025 8:24:58 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDCCC750	PS030750.D	2,4-D #2	Abdul	6/20/2025 8:25:02 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDCCC750	PS030750.D	DCPA #2	Abdul	6/20/2025 8:25:02 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software

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

Manual Integration Report

Sequence:	ps061925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030753.D	2,4-DCAA	Abdul	6/20/2025 8:23:33 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
Q2266-01MS	PS030754.D	2,4-D #2	Abdul	6/20/2025 8:23:37 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
Q2266-01MS	PS030754.D	2,4-DB #2	Abdul	6/20/2025 8:23:37 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
Q2266-01MS	PS030754.D	2,4-DCAA #2	Abdul	6/20/2025 8:23:37 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
Q2266-01MS	PS030754.D	Dalapon	Abdul	6/20/2025 8:23:37 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
Q2266-01MS	PS030754.D	Dalapon #2	Abdul	6/20/2025 8:23:37 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
Q2266-01MS	PS030754.D	DCPA #2	Abdul	6/20/2025 8:23:37 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
Q2266-01MSD	PS030755.D	2,4-D #2	Abdul	6/20/2025 8:23:41 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
Q2266-01MSD	PS030755.D	2,4-DB #2	Abdul	6/20/2025 8:23:41 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
Q2266-01MSD	PS030755.D	Dalapon	Abdul	6/20/2025 8:23:41 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
Q2266-01MSD	PS030755.D	Dalapon #2	Abdul	6/20/2025 8:23:41 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
Q2266-01MSD	PS030755.D	DCPA #2	Abdul	6/20/2025 8:23:41 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
HSTDCCC750	PS030757.D	2,4-D #2	Abdul	6/20/2025 8:23:45 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software

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

Manual Integration Report

Sequence:	ps061925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030757.D	2,4-DCAA	Abdul	6/20/2025 8:23:45 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
HSTDCCC750	PS030765.D	2,4-DCAA	Abdul	6/20/2025 8:24:11 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software
HSTDCCC750	PS030765.D	DCPA #2	Abdul	6/20/2025 8:24:11 AM	mohammad	6/20/2025 8:27:18	Peak Integrated by Software

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

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

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

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

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

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061025

Review By	Abdul	Review On	6/11/2025 7:47:02 AM		
Supervise By	mohammad	Supervise On	6/12/2025 3:33:36 AM		
SubDirectory	PS061025	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	PS030592.D	10 Jun 2025 11:39	AR\AJ	Ok
2	I.BLK	PS030593.D	10 Jun 2025 12:03	AR\AJ	Ok
3	HSTDCCC750	PS030594.D	10 Jun 2025 12:27	AR\AJ	Ok,M
4	Q2206-01	PS030595.D	10 Jun 2025 13:40	AR\AJ	Ok,M
5	Q2240-05	PS030596.D	10 Jun 2025 15:17	AR\AJ	ReRun
6	Q2240-09	PS030597.D	10 Jun 2025 15:48	AR\AJ	Not Ok
7	PB168375BL	PS030598.D	10 Jun 2025 16:48	AR\AJ	Not Ok
8	PB168375BS	PS030599.D	10 Jun 2025 17:12	AR\AJ	Not Ok
9	Q2246-01	PS030600.D	10 Jun 2025 17:36	AR\AJ	Ok,M
10	Q2259-01	PS030601.D	10 Jun 2025 18:00	AR\AJ	Ok,M
11	Q2259-03	PS030602.D	10 Jun 2025 18:24	AR\AJ	Ok
12	Q2260-01	PS030603.D	10 Jun 2025 18:48	AR\AJ	Ok,M
13	Q2150-06RE	PS030604.D	10 Jun 2025 19:12	AR\AJ	Not Ok
14	I.BLK	PS030605.D	10 Jun 2025 19:37	AR\AJ	Ok
15	HSTDCCC750	PS030606.D	10 Jun 2025 20:01	AR\AJ	Ok,M
16	Q2265-01	PS030607.D	10 Jun 2025 21:13	AR\AJ	Ok
17	Q2266-01	PS030608.D	10 Jun 2025 21:37	AR\AJ	Not Ok
18	Q2266-01MS	PS030609.D	10 Jun 2025 22:01	AR\AJ	Not Ok
19	Q2266-01MSD	PS030610.D	10 Jun 2025 22:25	AR\AJ	Not Ok
20	Q2266-05	PS030611.D	10 Jun 2025 22:49	AR\AJ	Ok
21	Q2271-01	PS030612.D	10 Jun 2025 23:13	AR\AJ	Ok

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061025

Review By	Abdul	Review On	6/11/2025 7:47:02 AM		
Supervise By	mohammad	Supervise On	6/12/2025 3:33:36 AM		
SubDirectory	PS061025	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	Q2272-01	PS030613.D	10 Jun 2025 23:37	AR\AJ	Ok
23	Q2273-01	PS030614.D	11 Jun 2025 00:02	AR\AJ	Ok
24	Q2273-05	PS030615.D	11 Jun 2025 00:26	AR\AJ	Ok
25	Q2274-01	PS030616.D	11 Jun 2025 00:50	AR\AJ	Ok
26	I.BLK	PS030617.D	11 Jun 2025 01:14	AR\AJ	Ok
27	HSTDCCC750	PS030618.D	11 Jun 2025 03:14	AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061125

Review By	Abdul	Review On	6/12/2025 8:12:56 AM		
Supervise By	mohammad	Supervise On	6/16/2025 2:04:29 AM		
SubDirectory	PS061125	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	PS030619.D	11 Jun 2025 08:22	AR\AJ	Ok
2	I.BLK	PS030620.D	11 Jun 2025 08:46	AR\AJ	Ok
3	HSTDCCC750	PS030621.D	11 Jun 2025 09:10	AR\AJ	Ok,M
4	Q2240-05	PS030622.D	11 Jun 2025 09:58	AR\AJ	Ok
5	Q2240-09	PS030623.D	11 Jun 2025 10:28	AR\AJ	Not Ok
6	Q2150-06	PS030624.D	11 Jun 2025 10:52	AR\AJ	Ok
7	Q2266-01	PS030625.D	11 Jun 2025 11:27	AR\AJ	Ok
8	Q2266-01MS	PS030626.D	11 Jun 2025 12:31	AR\AJ	Not Ok
9	Q2266-01MSD	PS030627.D	11 Jun 2025 12:55	AR\AJ	Not Ok
10	PB168375BS	PS030628.D	11 Jun 2025 14:06	AR\AJ	Ok,M
11	I.BLK	PS030629.D	11 Jun 2025 14:30	AR\AJ	Ok
12	HSTDCCC750	PS030630.D	11 Jun 2025 15:32	AR\AJ	Ok,M
13	Q2240-01RE	PS030631.D	11 Jun 2025 15:56	AR\AJ	Not Ok
14	I.BLK	PS030632.D	11 Jun 2025 16:23	AR\AJ	Ok
15	HSTDCCC750	PS030633.D	11 Jun 2025 16:48	AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061625

Review By	Abdul	Review On	6/17/2025 8:57:56 AM		
Supervise By	mohammad	Supervise On	6/18/2025 1:49:41 AM		
SubDirectory	PS061625	HP Acquire Method		HP Processing Method	ps061625 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	PS030679.D	16 Jun 2025 09:09	AR\AJ	Ok
2	I.BLK	PS030680.D	16 Jun 2025 09:32	AR\AJ	Ok
3	HSTDICC200	PS030681.D	16 Jun 2025 09:56	AR\AJ	Ok,M
4	HSTDICC500	PS030682.D	16 Jun 2025 10:20	AR\AJ	Ok,M
5	HSTDICC750	PS030683.D	16 Jun 2025 10:44	AR\AJ	Ok,M
6	HSTDICC1000	PS030684.D	16 Jun 2025 11:09	AR\AJ	Ok,M
7	HSTDICC1500	PS030685.D	16 Jun 2025 11:33	AR\AJ	Ok,M
8	HSTDICV750	PS030686.D	16 Jun 2025 11:57	AR\AJ	Ok,M
9	I.BLK	PS030687.D	16 Jun 2025 12:23	AR\AJ	Ok
10	HSTDCCC750	PS030688.D	16 Jun 2025 13:11	AR\AJ	Ok,M
11	Q2287-01	PS030689.D	16 Jun 2025 13:35	AR\AJ	Ok
12	PB168465BL	PS030690.D	16 Jun 2025 13:59	AR\AJ	Ok
13	PB168465BS	PS030691.D	16 Jun 2025 14:23	AR\AJ	Ok,M
14	PB168375BL	PS030692.D	16 Jun 2025 14:53	AR\AJ	Ok
15	Q2286-03RE	PS030693.D	16 Jun 2025 15:17	AR\AJ	Confirms
16	Q2296-01	PS030694.D	16 Jun 2025 15:49	AR\AJ	Ok
17	Q2296-05	PS030695.D	16 Jun 2025 16:13	AR\AJ	Ok
18	Q2296-09	PS030696.D	16 Jun 2025 16:37	AR\AJ	Ok
19	I.BLK	PS030697.D	16 Jun 2025 17:01	AR\AJ	Ok
20	HSTDCCC750	PS030698.D	16 Jun 2025 17:25	AR\AJ	Ok,M
21	PB168495BL	PS030699.D	16 Jun 2025 18:13	AR\AJ	Ok

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061625

Review By	Abdul	Review On	6/17/2025 8:57:56 AM		
Supervise By	mohammad	Supervise On	6/18/2025 1:49:41 AM		
SubDirectory	PS061625	HP Acquire Method		HP Processing Method	ps061625 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	PB168495BS	PS030700.D	16 Jun 2025 18:37	AR\AJ	Ok,M
23	PB168428TB	PS030701.D	16 Jun 2025 19:01	AR\AJ	Ok
24	Q2301-03	PS030702.D	16 Jun 2025 19:26	AR\AJ	Ok
25	Q2301-03MS	PS030703.D	16 Jun 2025 19:50	AR\AJ	Ok,M
26	Q2301-03MSD	PS030704.D	16 Jun 2025 20:14	AR\AJ	Ok,M
27	I.BLK	PS030705.D	16 Jun 2025 20:38	AR\AJ	Ok
28	HSTDCCC750	PS030706.D	16 Jun 2025 21:02	AR\AJ	Ok,M
29	Q2296-13	PS030707.D	16 Jun 2025 21:50	AR\AJ	Ok,M
30	Q2296-13MS	PS030708.D	16 Jun 2025 22:14	AR\AJ	Ok,M
31	Q2296-13MSD	PS030709.D	16 Jun 2025 22:38	AR\AJ	Ok,M
32	Q2296-17	PS030710.D	16 Jun 2025 23:02	AR\AJ	Ok
33	Q2296-21	PS030711.D	16 Jun 2025 23:26	AR\AJ	Ok,M
34	Q2297-01	PS030712.D	16 Jun 2025 23:50	AR\AJ	Ok
35	Q2298-01	PS030713.D	17 Jun 2025 00:14	AR\AJ	Ok
36	Q2310-01	PS030714.D	17 Jun 2025 00:38	AR\AJ	Ok,M
37	I.BLK	PS030715.D	17 Jun 2025 01:02	AR\AJ	Ok
38	HSTDCCC750	PS030716.D	17 Jun 2025 01:26	AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061825

Review By	Abdul	Review On	6/19/2025 8:25:06 AM		
Supervise By	mohammad	Supervise On	6/20/2025 8:27:44 AM		
SubDirectory	PS061825	HP Acquire Method		HP Processing Method	PS061825 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	PS030737.D	18 Jun 2025 10:37	AR\AJ	Ok
2	I.BLK	PS030738.D	18 Jun 2025 11:01	AR\AJ	Ok
3	HSTDICC200	PS030739.D	18 Jun 2025 11:25	AR\AJ	Ok,M
4	HSTDICC500	PS030740.D	18 Jun 2025 11:49	AR\AJ	Ok
5	HSTDICC750	PS030741.D	18 Jun 2025 12:13	AR\AJ	Ok,M
6	HSTDICC1000	PS030742.D	18 Jun 2025 12:37	AR\AJ	Ok,M
7	HSTDICC1500	PS030743.D	18 Jun 2025 13:29	AR\AJ	Ok,M
8	HSTDICV750	PS030744.D	18 Jun 2025 14:18	AR\AJ	Ok,M
9	I.BLK	PS030745.D	18 Jun 2025 14:44	AR\AJ	Ok
10	HSTDCCC750	PS030746.D	18 Jun 2025 15:08	AR\AJ	Ok,M
11	Q2312-01MS	PS030747.D	18 Jun 2025 17:07	AR\AJ	Ok,M
12	Q2312-01MSD	PS030748.D	18 Jun 2025 17:31	AR\AJ	Ok,M
13	I.BLK	PS030749.D	18 Jun 2025 17:55	AR\AJ	Ok
14	HSTDCCC750	PS030750.D	18 Jun 2025 18:19	AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061925

Review By	Abdul	Review On	6/20/2025 8:24:30 AM		
Supervise By	mohammad	Supervise On	6/20/2025 8:27:18 AM		
SubDirectory	PS061925	HP Acquire Method		HP Processing Method	PS061825 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	PS030751.D	19 Jun 2025 08:37	AR\AJ	Ok
2	I.BLK	PS030752.D	19 Jun 2025 09:01	AR\AJ	Ok
3	HSTDCCC750	PS030753.D	19 Jun 2025 09:25	AR\AJ	Ok,M
4	Q2266-01MS	PS030754.D	19 Jun 2025 09:50	AR\AJ	Ok,M
5	Q2266-01MSD	PS030755.D	19 Jun 2025 10:18	AR\AJ	Ok,M
6	I.BLK	PS030756.D	19 Jun 2025 10:42	AR\AJ	Ok
7	HSTDCCC750	PS030757.D	19 Jun 2025 11:06	AR\AJ	Ok,M
8	Q2126-01	PS030758.D	19 Jun 2025 17:16	AR\AJ	Not Ok
9	Q2126-07	PS030759.D	19 Jun 2025 17:40	AR\AJ	Not Ok
10	Q2126-01	PS030760.D	19 Jun 2025 18:04	AR\AJ	Ok,M
11	Q2126-07	PS030761.D	19 Jun 2025 18:29	AR\AJ	Ok,M
12	Q2126-02	PS030762.D	19 Jun 2025 18:53	AR\AJ	Ok,M
13	Q2126-08	PS030763.D	19 Jun 2025 19:17	AR\AJ	Ok,M
14	I.BLK	PS030764.D	19 Jun 2025 19:41	AR\AJ	Ok
15	HSTDCCC750	PS030765.D	19 Jun 2025 20:05	AR\AJ	Ok,M

M : Manual Integration

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

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

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

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

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061025

Review By	Abdul	Review On	6/11/2025 7:47:02 AM		
Supervise By	mohammad	Supervise On	6/12/2025 3:33:36 AM		
SubDirectory	PS061025	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	PS030592.D	10 Jun 2025 11:39		AR\AJ	Ok
2	I.BLK	I.BLK	PS030593.D	10 Jun 2025 12:03		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030594.D	10 Jun 2025 12:27		AR\AJ	Ok,M
4	Q2206-01	TP-1	PS030595.D	10 Jun 2025 13:40		AR\AJ	Ok,M
5	Q2240-05	TP-2	PS030596.D	10 Jun 2025 15:17	Surrogate low in 2nd column	AR\AJ	ReRun
6	Q2240-09	TP-1	PS030597.D	10 Jun 2025 15:48	Surrogate low in both column	AR\AJ	Not Ok
7	PB168375BL	PB168375BL	PS030598.D	10 Jun 2025 16:48	Surrogate fail	AR\AJ	Not Ok
8	PB168375BS	PB168375BS	PS030599.D	10 Jun 2025 17:12	Almost all compound recovery fail	AR\AJ	Not Ok
9	Q2246-01	BU-03-060525	PS030600.D	10 Jun 2025 17:36		AR\AJ	Ok,M
10	Q2259-01	OU4-PCS-TC-36-06052	PS030601.D	10 Jun 2025 18:00		AR\AJ	Ok,M
11	Q2259-03	OU4-PCS-TC-37-06052	PS030602.D	10 Jun 2025 18:24		AR\AJ	Ok
12	Q2260-01	TP10-MHG-WC	PS030603.D	10 Jun 2025 18:48		AR\AJ	Ok,M
13	Q2150-06RE	TP-50RE	PS030604.D	10 Jun 2025 19:12	Surrogate low in both column	AR\AJ	Not Ok
14	I.BLK	I.BLK	PS030605.D	10 Jun 2025 19:37		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS030606.D	10 Jun 2025 20:01		AR\AJ	Ok,M
16	Q2265-01	TP11-MHL-WC	PS030607.D	10 Jun 2025 21:13		AR\AJ	Ok
17	Q2266-01	WC-3	PS030608.D	10 Jun 2025 21:37	looks like MS	AR\AJ	Not Ok

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061025

Review By	Abdul	Review On	6/11/2025 7:47:02 AM		
Supervise By	mohammad	Supervise On	6/12/2025 3:33:36 AM		
SubDirectory	PS061025	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	

18	Q2266-01MS	WC-3MS	PS030609.D	10 Jun 2025 22:01	some compound recovery fail	AR\AJ	Not Ok
19	Q2266-01MSD	WC-3MSD	PS030610.D	10 Jun 2025 22:25	some compound recovery fail , RPD Fail	AR\AJ	Not Ok
20	Q2266-05	WC-5	PS030611.D	10 Jun 2025 22:49		AR\AJ	Ok
21	Q2271-01	TP12-MHK-WC	PS030612.D	10 Jun 2025 23:13		AR\AJ	Ok
22	Q2272-01	TP-6	PS030613.D	10 Jun 2025 23:37		AR\AJ	Ok
23	Q2273-01	WC-4	PS030614.D	11 Jun 2025 00:02		AR\AJ	Ok
24	Q2273-05	WC-6	PS030615.D	11 Jun 2025 00:26		AR\AJ	Ok
25	Q2274-01	TP-13-MHP-WC	PS030616.D	11 Jun 2025 00:50		AR\AJ	Ok
26	I.BLK	I.BLK	PS030617.D	11 Jun 2025 01:14		AR\AJ	Ok
27	HSTDCCC750	HSTDCCC750	PS030618.D	11 Jun 2025 03:14		AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061125

Review By	Abdul	Review On	6/12/2025 8:12:56 AM		
Supervise By	mohammad	Supervise On	6/16/2025 2:04:29 AM		
SubDirectory	PS061125	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	PS030619.D	11 Jun 2025 08:22		AR\AJ	Ok
2	I.BLK	I.BLK	PS030620.D	11 Jun 2025 08:46		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030621.D	11 Jun 2025 09:10		AR\AJ	Ok,M
4	Q2240-05	TP-2	PS030622.D	11 Jun 2025 09:58		AR\AJ	Ok
5	Q2240-09	TP-1	PS030623.D	11 Jun 2025 10:28	wrong Injection	AR\AJ	Not Ok
6	Q2150-06	TP-50	PS030624.D	11 Jun 2025 10:52		AR\AJ	Ok
7	Q2266-01	WC-3	PS030625.D	11 Jun 2025 11:27		AR\AJ	Ok
8	Q2266-01MS	WC-3MS	PS030626.D	11 Jun 2025 12:31	some compound recovery fail	AR\AJ	Not Ok
9	Q2266-01MSD	WC-3MSD	PS030627.D	11 Jun 2025 12:55	some compound recovery fail	AR\AJ	Not Ok
10	PB168375BS	PB168375BS	PS030628.D	11 Jun 2025 14:06		AR\AJ	Ok,M
11	I.BLK	I.BLK	PS030629.D	11 Jun 2025 14:30		AR\AJ	Ok
12	HSTDCCC750	HSTDCCC750	PS030630.D	11 Jun 2025 15:32		AR\AJ	Ok,M
13	Q2240-01RE	TP-3RE	PS030631.D	11 Jun 2025 15:56	Already run	AR\AJ	Not Ok
14	I.BLK	I.BLK	PS030632.D	11 Jun 2025 16:23		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS030633.D	11 Jun 2025 16:48		AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061625

Review By	Abdul	Review On	6/17/2025 8:57:56 AM		
Supervise By	mohammad	Supervise On	6/18/2025 1:49:41 AM		
SubDirectory	PS061625	HP Acquire Method		HP Processing Method	ps061625 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	PS030679.D	16 Jun 2025 09:09		AR\AJ	Ok
2	I.BLK	I.BLK	PS030680.D	16 Jun 2025 09:32		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030681.D	16 Jun 2025 09:56		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030682.D	16 Jun 2025 10:20		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS030683.D	16 Jun 2025 10:44	Method fail for comp 10	AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030684.D	16 Jun 2025 11:09		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030685.D	16 Jun 2025 11:33		AR\AJ	Ok,M
8	HSTDICV750	ICVPS061625	PS030686.D	16 Jun 2025 11:57		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030687.D	16 Jun 2025 12:23		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030688.D	16 Jun 2025 13:11		AR\AJ	Ok,M
11	Q2287-01	CONCRETE-SLAB	PS030689.D	16 Jun 2025 13:35		AR\AJ	Ok
12	PB168465BL	PB168465BL	PS030690.D	16 Jun 2025 13:59		AR\AJ	Ok
13	PB168465BS	PB168465BS	PS030691.D	16 Jun 2025 14:23	DALAPON recovery fail	AR\AJ	Ok,M
14	PB168375BL	PB168375BL	PS030692.D	16 Jun 2025 14:53		AR\AJ	Ok
15	Q2286-03RE	LAW-25-0084RE	PS030693.D	16 Jun 2025 15:17	Surrogate high in 2nd column	AR\AJ	Confirms
16	Q2296-01	WC-1	PS030694.D	16 Jun 2025 15:49		AR\AJ	Ok
17	Q2296-05	WC-2	PS030695.D	16 Jun 2025 16:13		AR\AJ	Ok
18	Q2296-09	WC-3	PS030696.D	16 Jun 2025 16:37		AR\AJ	Ok

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061625

Review By	Abdul	Review On	6/17/2025 8:57:56 AM		
Supervise By	mohammad	Supervise On	6/18/2025 1:49:41 AM		
SubDirectory	PS061625	HP Acquire Method		HP Processing Method	ps061625 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	I.BLK	I.BLK	PS030697.D	16 Jun 2025 17:01		AR\AJ	Ok
20	HSTDCCC750	HSTDCCC750	PS030698.D	16 Jun 2025 17:25		AR\AJ	Ok,M
21	PB168495BL	PB168495BL	PS030699.D	16 Jun 2025 18:13		AR\AJ	Ok
22	PB168495BS	PB168495BS	PS030700.D	16 Jun 2025 18:37		AR\AJ	Ok,M
23	PB168428TB	PB168428TB	PS030701.D	16 Jun 2025 19:01		AR\AJ	Ok
24	Q2301-03	WC-URBAN-FILL-C	PS030702.D	16 Jun 2025 19:26		AR\AJ	Ok
25	Q2301-03MS	WC-URBAN-FILL-CMS	PS030703.D	16 Jun 2025 19:50	Comp#1,14 recovery fail	AR\AJ	Ok,M
26	Q2301-03MSD	WC-URBAN-FILL-CMS	PS030704.D	16 Jun 2025 20:14	Comp#1,14 recovery fail	AR\AJ	Ok,M
27	I.BLK	I.BLK	PS030705.D	16 Jun 2025 20:38		AR\AJ	Ok
28	HSTDCCC750	HSTDCCC750	PS030706.D	16 Jun 2025 21:02		AR\AJ	Ok,M
29	Q2296-13	WC-4	PS030707.D	16 Jun 2025 21:50		AR\AJ	Ok,M
30	Q2296-13MS	WC-4MS	PS030708.D	16 Jun 2025 22:14	some compound recovery fail	AR\AJ	Ok,M
31	Q2296-13MSD	WC-4MSD	PS030709.D	16 Jun 2025 22:38	some compound recovery fail , RPD fail	AR\AJ	Ok,M
32	Q2296-17	WC-5	PS030710.D	16 Jun 2025 23:02		AR\AJ	Ok
33	Q2296-21	WC-6	PS030711.D	16 Jun 2025 23:26		AR\AJ	Ok,M
34	Q2297-01	TP-3	PS030712.D	16 Jun 2025 23:50		AR\AJ	Ok
35	Q2298-01	AU-05-061125	PS030713.D	17 Jun 2025 00:14		AR\AJ	Ok
36	Q2310-01	TP-7	PS030714.D	17 Jun 2025 00:38		AR\AJ	Ok,M
37	I.BLK	I.BLK	PS030715.D	17 Jun 2025 01:02		AR\AJ	Ok

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061625

Review By	Abdul	Review On	6/17/2025 8:57:56 AM		
Supervise By	mohammad	Supervise On	6/18/2025 1:49:41 AM		
SubDirectory	PS061625	HP Acquire Method		HP Processing Method	ps061625 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	HSTDCCC750	HSTDCCC750	PS030716.D	17 Jun 2025 01:26		AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061825

Review By	Abdul	Review On	6/19/2025 8:25:06 AM		
Supervise By	mohammad	Supervise On	6/20/2025 8:27:44 AM		
SubDirectory	PS061825	HP Acquire Method		HP Processing Method	PS061825 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	PS030737.D	18 Jun 2025 10:37		AR\AJ	Ok
2	I.BLK	I.BLK	PS030738.D	18 Jun 2025 11:01		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030739.D	18 Jun 2025 11:25		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030740.D	18 Jun 2025 11:49		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS030741.D	18 Jun 2025 12:13		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030742.D	18 Jun 2025 12:37		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030743.D	18 Jun 2025 13:29		AR\AJ	Ok,M
8	HSTDICV750	ICVPS061825	PS030744.D	18 Jun 2025 14:18		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030745.D	18 Jun 2025 14:44		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030746.D	18 Jun 2025 15:08		AR\AJ	Ok,M
11	Q2312-01MS	TP-1MS	PS030747.D	18 Jun 2025 17:07	some compounds fail for recovery	AR\AJ	Ok,M
12	Q2312-01MSD	TP-1MSD	PS030748.D	18 Jun 2025 17:31	some compounds fail for recovery & RPD	AR\AJ	Ok,M
13	I.BLK	I.BLK	PS030749.D	18 Jun 2025 17:55		AR\AJ	Ok
14	HSTDCCC750	HSTDCCC750	PS030750.D	18 Jun 2025 18:19		AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS061925

Review By	Abdul	Review On	6/20/2025 8:24:30 AM		
Supervise By	mohammad	Supervise On	6/20/2025 8:27:18 AM		
SubDirectory	PS061925	HP Acquire Method		HP Processing Method	PS061825 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	PS030751.D	19 Jun 2025 08:37		AR\AJ	Ok
2	I.BLK	I.BLK	PS030752.D	19 Jun 2025 09:01		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030753.D	19 Jun 2025 09:25		AR\AJ	Ok,M
4	Q2266-01MS	WC-3MS	PS030754.D	19 Jun 2025 09:50	some compound recovery fail	AR\AJ	Ok,M
5	Q2266-01MSD	WC-3MSD	PS030755.D	19 Jun 2025 10:18	some compound recovery fail	AR\AJ	Ok,M
6	I.BLK	I.BLK	PS030756.D	19 Jun 2025 10:42		AR\AJ	Ok
7	HSTDCCC750	HSTDCCC750	PS030757.D	19 Jun 2025 11:06		AR\AJ	Ok,M
8	Q2126-01	LOD-MDL-SOIL-03-QT	PS030758.D	19 Jun 2025 17:16	Surrogate high in both column	AR\AJ	Not Ok
9	Q2126-07	LOD-MDL-WATER-01-(	PS030759.D	19 Jun 2025 17:40	Surrogate high in both column , U Flag coming	AR\AJ	Not Ok
10	Q2126-01	LOD-MDL-SOIL-03-QT	PS030760.D	19 Jun 2025 18:04		AR\AJ	Ok,M
11	Q2126-07	LOD-MDL-WATER-01-(	PS030761.D	19 Jun 2025 18:29		AR\AJ	Ok,M
12	Q2126-02	LOQ-SOIL-02-QT2-202	PS030762.D	19 Jun 2025 18:53		AR\AJ	Ok,M
13	Q2126-08	LOQ-WATER-02-QT2-2	PS030763.D	19 Jun 2025 19:17		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS030764.D	19 Jun 2025 19:41		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS030765.D	19 Jun 2025 20:05		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 06/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 06/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136040

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2246-01	BU-03-060525	1	1.15	10.12	11.27	11.17	99.0	
Q2246-02	BU-03-060525	2	1.19	10.04	11.23	11.1	98.7	
Q2247-01	GAS-PIPE-1	3	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2247-02	GAS-PIPE-2	4	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2248-01	TR-05-060525	5	1.18	10.36	11.54	10.88	93.6	
Q2248-02	TR-05-060525-E2	6	1.13	10.59	11.72	10.74	90.7	
Q2251-07	BP-VPB-182-GW-780-782	7	1.12	10.70	11.82	2.46	12.5	sludge sample
Q2258-05	SVOC-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q2258-06	PEST-GPC-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q2258-07	PEST-GPC-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q2258-08	PCB-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2258-09	PCB-GPC-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2258-10	SVOC-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q2258-11	PEST-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2258-12	PEST-GPC2-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2258-13	PCB-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q2258-14	PCB-GCP2-BLANK-SPIKE	17	1.00	1.00	2.00	2.00	100.0	
Q2259-01	OU4-PCS-TC-36-060525	18	1.14	10.79	11.93	11.31	94.3	
Q2259-03	OU4-PCS-TC-37-060525	19	1.14	10.14	11.28	10.7	94.3	
Q2259-05	OU4-TS-29-060525	20	1.18	10.17	11.35	8.87	75.6	
Q2259-06	OU4-TS-30-060525	21	1.14	10.73	11.87	9.62	79.0	
Q2260-01	TP10-MHG-WC	22	1.13	10.84	11.97	10.95	90.6	
Q2260-02	TP10-MHG-VOC	23	1.16	10.66	11.82	10.84	90.8	
Q2260-03	TP10-MHG-EPH	24	1.13	10.75	11.88	10.68	88.8	
Q2262-01	ARS20-0032	25	1.14	11.40	12.54	12.22	97.2	
Q2262-03	ARS20-0001	26	1.18	9.85	11.03	10.38	93.4	
Q2265-01	TP-MHL-WC	27	1.15	10.83	11.98	10.43	85.7	
Q2265-02	TP-MHL-VOC	28	1.14	10.32	11.46	9.7	82.9	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 06/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 06/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136040

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2265-03	TP-MHL-EPH	29	1.18	10.48	11.66	9.77	82.0	
Q2266-01	WC-3	30	1.16	10.74	11.9	10.68	88.6	
Q2266-02	WC-3-EPH	31	1.15	11.18	12.33	10.15	80.5	
Q2266-03	WC-3-VOC	32	1.13	10.74	11.87	10.02	82.8	
Q2266-05	WC-4	33	1.19	10.47	11.66	10.36	87.6	
Q2266-06	WC-4-EPH	34	1.15	10.46	11.61	10.31	87.6	
Q2266-07	WC-4-VOC	35	1.19	10.71	11.9	10.74	89.2	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VP 136040

WorkList Name : %1-060625 **WorkList ID :** 189986 **Department :** Wet-Chemistry **Date :** 06-06-2025 08:11:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2246-01	BU-03-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2246-02	BU-03-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2247-01	GAS-PIPE-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	06/05/2025	Chemtech -SO
Q2247-02	GAS-PIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	06/05/2025	Chemtech -SO
Q2248-01	TR-05-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2248-02	TR-05-060525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2251-07	BP-VPB-182-GW-780-782	Solid	Percent Solids	Cool 4 deg C	TETR06	L31	06/04/2025	Chemtech -SO
Q2258-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-14	PCB-GCP2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2259-01	OU4-PCS-TC-36-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-03	OU4-PCS-TC-37-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-05	OU4-TS-29-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-06	OU4-TS-30-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO

Date/Time 06/06/25 15:20

Raw Sample Received by: DC WJC

Raw Sample Relinquished by: SH

Date/Time 06/06/25 17:30

Raw Sample Received by: SH

Raw Sample Relinquished by: WJC

WORKLIST(Hardcopy Internal Chain)

HB136040

WorkList Name : %1-060625 **WorkList ID :** 189986 **Department :** Wet-Chemistry **Date :** 06-06-2025 08:11:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2260-01	TP10-MHG-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2260-02	TP10-MHG-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2260-03	TP10-MHG-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2262-01	ARS20-0032	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	06/06/2025	Chemtech -SO
Q2262-03	ARS20-0001	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	06/06/2025	Chemtech -SO
Q2265-01	TP-MHL-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2265-02	TP-MHL-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2265-03	TP-MHL-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-01	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-02	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-03	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-05	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-06	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-07	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO

Date/Time 06/06/25 15:20
Raw Sample Received by: SB WC
Raw Sample Relinquished by: SM

Date/Time 06/06/25 17:30
Raw Sample Received by: SM
Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168375

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Extraction By: RJ

Balance check: RJ

Filter By: RJ

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: E3880

Hood ID: 3,4,5,7

Extraction Start Date : 06/10/2025

Extraction Start Time : 09:42

Extraction End Date : 06/10/2025

Extraction End Time : 16:25

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
MeCl2/Acetone/1:1	N/A	EP2612
Acidified Na2SO4	N/A	EP2621
Sand	N/A	E2865
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2616
Methylene Chloride	N/A	E3939
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3881
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2618
Hexane	N/A	E3938
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 BTS723.

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
06/10/25	RP (Extr Lab)	Y-P pesticide
16:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168375

Analytical Method: M8151A-Herbicide-23

Concentration Date: 06/10/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168375BL	HBLK375	Herbicide	30.01	N/A	ritesh	Evelyn	10			U6-1
PB168375BS	HLCS375	Herbicide	30.02	N/A	ritesh	Evelyn	10			2
Q2246-01	BU-03-060525	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		3
Q2259-01	OU4-PCS-TC-36-060525	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		4
Q2259-03	OU4-PCS-TC-37-060525	Herbicide Group1	30.08	N/A	ritesh	Evelyn	10	E		5
Q2260-01	TP10-MHG-WC	Herbicide	30.10	N/A	ritesh	Evelyn	10	E		6
Q2265-01	TP-MHL-WC	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		U3-1
Q2266-01	WC-3	Herbicide	30.02	N/A	ritesh	Evelyn	10	D		2
Q2266-01MS	WC-3MS	Herbicide	30.03	N/A	ritesh	Evelyn	10	D		3
Q2266-01MSD	WC-3MSD	Herbicide	30.01	N/A	ritesh	Evelyn	10	D		4
Q2266-05	WC-5	Herbicide	30.04	N/A	ritesh	Evelyn	10	D		5
Q2271-01	TP12-MHK-WC	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		6
Q2272-01	TP-6	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		U2-1
Q2273-01	WC-4	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		2
Q2273-05	WC-6	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		3
Q2274-01	TP-13-MHP-WC	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4

* **Extracts relinquished on the same date as received.**

6/10/25

169375
9:42

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2246H **WorkList ID :** 190060 **Department :** Extraction **Date :** 06-10-2025 08:02:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2246-01	BU-03-060525	Solid	Herbicide	Cool 4 deg C	PSEG05	N51	06/05/2025	8151A
Q2259-01	OU4-PCS-TC-36-060525	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	D21	06/05/2025	8151A
Q2259-03	OU4-PCS-TC-37-060525	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	D21	06/05/2025	8151A
Q2260-01	TP10-MHG-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	D31	06/06/2025	8151A
Q2265-01	TP-MHL-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	06/06/2025	8151A
Q2266-01	WC-3	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	06/06/2025	8151A
Q2266-05	WC-5	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	06/06/2025	8151A
Q2271-01	TP12-MHK-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	D31	06/07/2025	8151A
Q2272-01	TP-6	Solid	Herbicide	Cool 4 deg C	PSEG03	N41	06/09/2025	8151A
Q2273-01	WC-4	Solid	Herbicide	Cool 4 deg C	PSEG03	N31	06/09/2025	8151A
Q2273-05	WC-6	Solid	Herbicide	Cool 4 deg C	PSEG03	N31	06/09/2025	8151A
Q2274-01	TP-13-MHP-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	N41	06/09/2025	8151A

Date/Time 06/10/25 9:40
Raw Sample Received by: RJ (Eurofins)
Raw Sample Relinquished by:

Date/Time 06/10/25 10:10
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Eurofins)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2259

Test : Herbicide Group1

Prepbatch ID : PB168375,

Sequence ID/Qc Batch ID: ps061025,ps061125,ps061625,ps061925,

Standard ID :
EP2612,EP2621,PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560,PP24561,PP24562,PP24595,PP24601,

Chemical ID :
E2865,E3551,E3881,E3930,E3932,E3933,M6151,M6157,P11183,P12620,P12630,P12689,P12710,P13535,P13536,P13542,P13971,P13972,P13973,P13974,P13975,P8829,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2612	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 05/09/2025

FROM 8000.00000ml of E3930 + 8000.00000ml of E3932 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
601	Acidified Sodium Sulphate 2	EP2621	06/03/2025	08/14/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 06/03/2025

FROM 100.00000ml of E3881 + 150.00000ml of M6157 + 3000.00000ml of E3551 = Final Quantity: 3000.000 gram

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1321	2/200 PPM Herb Mega Mix	PP24553	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.20000ml of P8829 + 1.00000ml of P11183 + 1.00000ml of P12620 + 1.00000ml of P12630 + 1.00000ml of P12689 + 95.80000ml of E3933 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1851	2/200 PPM Herb Mega Mix 2nd Source	PP24554	05/12/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.50000ml of P13971 + 1.00000ml of P12710 + 48.50000ml of E3933 = Final Quantity: 50.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1456	200 PPB Herb MIX STD	PP24556	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.90000ml of E3933 + 0.10000ml of PP24553 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1455	500 PPB Herb MIX STD	PP24557	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.75000ml of E3933 + 0.25000ml of PP24553 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1453	1000 PPB Herb MIX STD	PP24558	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.50000ml of E3933 + 0.50000ml of PP24553 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1454	750 PPB Herb MIX STD	PP24559	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24558 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1452	1500 PPB HERB MIX STD	PP24560	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24553 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1854	1000 PPB HERB MIX ICV STD	PP24561	05/12/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.50000ml of E3933 + 0.50000ml of PP24554 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1691	750 PPB ICV HERB STD	PP24562	05/12/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24561 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24595	05/20/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.50000ml of P13542 + 1.00000ml of P13535 + 1.00000ml of P13536 + 47.50000ml of E3932 = Final Quantity: 50.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP24601	05/22/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 1.25000ml of P13972 + 1.25000ml of P13973 + 1.25000ml of P13974 + 1.25000ml of P13975 + 195.00000ml of E3933 = Final Quantity: 200.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC04977-3 / Ether, Anhydrous, Glass Distilled, HRGC/HPLC, 4L	242789	08/14/2025	02/14/2025 / Rajesh	01/06/2025 / Rajesh	E3881

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	11/12/2025	05/12/2025 / Abdul	11/01/2021 / Abdul	P11183

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12620

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A192429	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32059 / Herbicide Mix#3 (Methyl Ester), 20000 ug/ml	A0199844	11/12/2025	05/12/2025 / Abdul	07/24/2023 / Abdul	P12689

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	08/12/2025	05/12/2025 / Abdul	08/09/2023 / Abdul	P12710

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	08/12/2025	05/12/2025 / Abdul	08/09/2023 / Abdul	P12710

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	11/20/2025	05/20/2025 / Abdul	09/03/2024 / Abdul	P13535

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	11/20/2025	05/20/2025 / Abdul	09/03/2024 / Abdul	P13535

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	11/20/2025	05/20/2025 / Abdul	09/03/2024 / Abdul	P13536

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	11/20/2025	05/20/2025 / Abdul	09/03/2024 / Abdul	P13536

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	11/20/2025	05/20/2025 / Abdul	09/24/2024 / Abdul	P13542

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	11/20/2025	05/20/2025 / Abdul	09/24/2024 / Abdul	P13542

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/12/2025	05/12/2025 / Abdul	04/02/2025 / Abdul	P13971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/22/2025	05/22/2025 / Abdul	04/02/2025 / Abdul	P13972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/22/2025	05/22/2025 / Abdul	04/02/2025 / Abdul	P13973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/22/2025	05/22/2025 / Abdul	04/02/2025 / Abdul	P13974

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/22/2025	05/22/2025 / Abdul	04/02/2025 / Abdul	P13975

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32254 / Dalapon Methyl Ester, 1000 ug/ml	A0148063	11/12/2025	05/12/2025 / Abdul	08/16/2019 / Stephen	P8829

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	E199	Quality Test / Release Date	08/02/2024
Lot Number	242789	Expiration Date	Jun/2025
Description	ETHYL ETHER, PESTICIDE GRADE		
Country of Origin	Mexico		
Chemical Origin	Organic - synthetic		
BSE/TSE Comment	This product was derived from synthetic raw materials and the manufacturing process excluded contamination with any animal products.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid free of suspended matter
ASSAY	%	>= 99.5	99.97
COLOR	APHA	<= 10	5
EVAPORATION RESIDUE	ppm	<= 3	0.2
GC-ECD ANALYSIS	pg/ml	<= 10	<1
OPTICAL ABS AT 218 NM	ABSORBANCE UNITS	<= 1.00	0.19
OPTICAL ABS AT 250 NM	ABSORBANCE UNITS	<= 0.08	0.05
OPTICAL ABS AT 270 NM	ABSORBANCE UNITS	<= 0.02	0.01
OPTICAL ABS AT 300 NM	ABSORBANCE UNITS	<= 0.01	0.002
OPTICAL ABS AT 350 NM	ABSORBANCE UNITS	<= 0.01	<0.001
PEROXIDE	ppm	<= 5	<1
PRESERVATIVE - ETHANOL	%	Inclusive Between 1.5 - 2.5	1.8
WATER (H2O)	%	<= 0.08	0.003

Kalyan Paruchuri - Quality Control Supervisor - Bridgewater

E 3881

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC E3933

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R-> 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

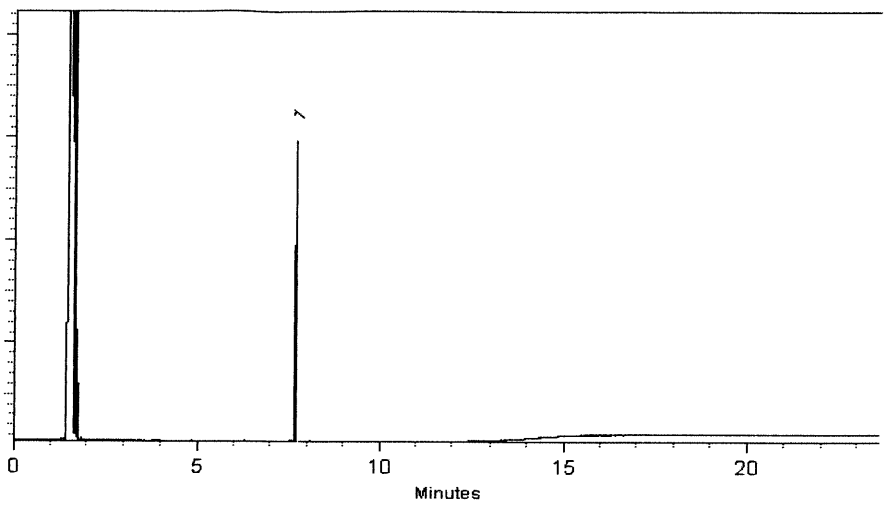
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 111177 to P 111186

AR 11/02/21

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323	µg/mL	Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182	µg/mL	Unstressed
	Purity 99%		+/- 6.8182	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P111177
↓
P111186

AR
11/02/21

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12616 (S) → P12620 7/5/2023

Catalog No. : 32062 **Lot No.:** A0155055

Description : Herbicide Mix #4/ME (Methyl Ester)

Herbicide Mix #4/ME (Methyl Ester) 200µg/mL, Hexane/Methyl-tert-butyl-ether, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	3,5-Dichlorobenzoic acid methyl ester **CAS #** 2905-67-1 (Lot 3903900) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
2	4-Nitroanisole **CAS #** 100-17-4 (Lot 24765/7) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
3	Pentachloroanisole **CAS #** 1825-21-4 (Lot 7921100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
4	Chloramben methyl ester **CAS #** 7286-84-2 (Lot 6487100) **Purity** 98%	199.9 µg/mL	+/- 1.4176 µg/mL +/- 6.7480 µg/mL +/- 6.7480 µg/mL	Gravimetric Unstressed Stressed
5	Bentazon methyl ester **CAS #** 61592-45-8 (Lot 817100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
6	Picloram methyl ester **CAS #** 14143-55-6 (Lot 386-21B) **Purity** 98%	201.9 µg/mL	+/- 1.4315 µg/mL +/- 6.8141 µg/mL +/- 6.8141 µg/mL	Gravimetric Unstressed Stressed
7	DCPA methyl ester (Chlorthal-dimethyl) **CAS #** 1861-32-1 (Lot 8008700) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed

8	Acifluorfen methyl ester		200.0	µg/mL	+/-	1.4182	µg/mL	Gravimetric
	CAS # 50594-67-7	(Lot 6282300)			+/-	6.7507	µg/mL	Unstressed
	Purity 99%				+/-	6.7507	µg/mL	Stressed

Solvent: Hexane/Methyl-tert-butyl-ether
CAS # 110-54-3/1634-04-4
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

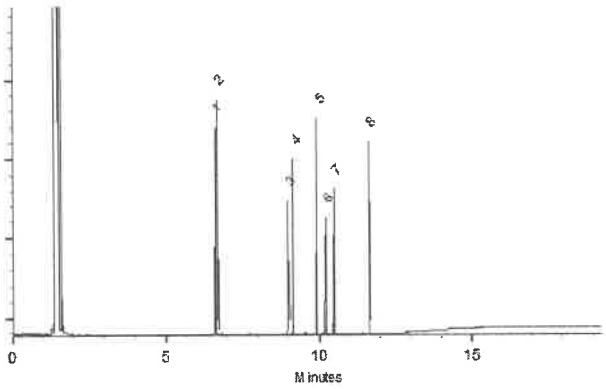
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael J Maye

Justine Albertson - Operations Tech-ARM QC

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Date Passed: 18-Nov-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12626 (5) JI P12630 1

7/5/2023

Catalog No. : 32055 **Lot No.:** A0192429

Description : Herbicide Mix #1/ME (Methyl Ester)

Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	11705400	99%	201.6 µg/mL	+/- 3.4204
2	Dichlorprop methyl ester	57153-17-0	11672100	99%	201.4 µg/mL	+/- 3.4170
3	2,4-D methyl ester	1928-38-7	10048000	99%	201.2 µg/mL	+/- 3.4136
4	2,4,5-TP (silvex) methyl ester	4841-20-7	6364900	99%	201.2 µg/mL	+/- 3.4136
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	200.7 µg/mL	+/- 3.4052
6	Dinoseb methyl ether	6099-79-2	12914300	99%	200.8 µg/mL	+/- 3.4068
7	2,4-DB methyl ester	18625-12-2	12542000	99%	201.0 µg/mL	+/- 3.4102

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

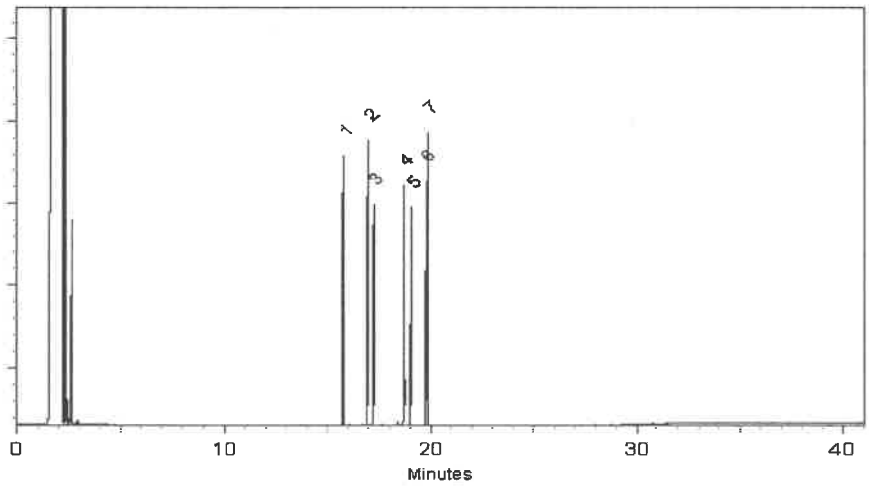
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 09-Dec-2022 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 12-Dec-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 12685 ↓ P 12689 (S)

7/24/23

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)

Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

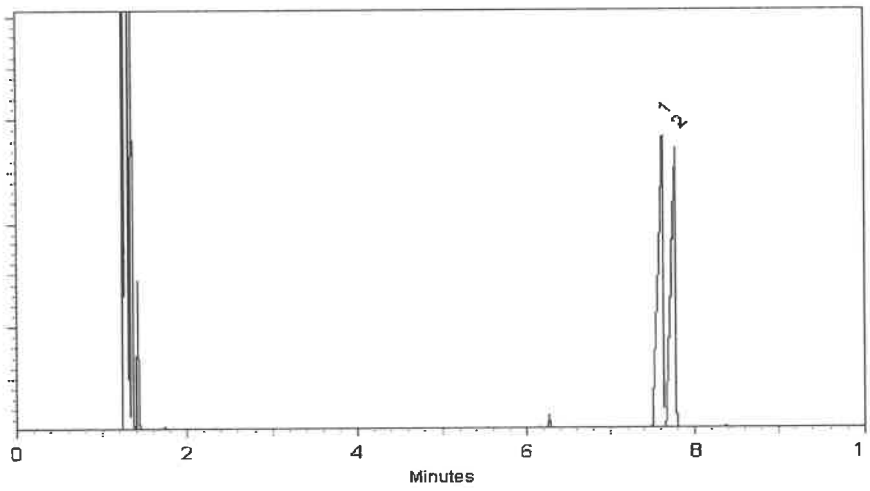
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Agilent

Trusted Answers

P12706 ↓ P12715 (10)

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Product Number: HBM-8151M-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006752480

Lot Issue Date: 18-Jul-2023

Expiration Date: 31-Aug-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen methyl ester	100.3	±	0.5 µg/mL	050594-67-7	RM03058
bentazon methyl derivative	100.2	±	0.5 µg/mL	061592-45-8	RM13829
chloramben methyl ester	100.4	±	0.5 µg/mL	007286-84-2	RM03055
2,4-D methyl ester	100.2	±	0.5 µg/mL	001928-38-7	RM03040
dalapon methyl ester	100.4	±	0.5 µg/mL	017640-02-7	RM14219
2,4-DB methyl ester	100.2	±	0.5 µg/mL	018625-12-2	RM03029
DCPA	100.2	±	0.5 µg/mL	001861-32-1	RM13426
dicamba methyl ester	100.4	±	0.5 µg/mL	006597-78-0	RM03039
methyl-3,5-dichlorobenzoate	100.1	±	0.5 µg/mL	002905-67-1	RM03048
dichlorprop methyl ester	100.4	±	0.5 µg/mL	057153-17-0	NT02086
dinoseb methyl ether	100.5	±	0.5 µg/mL	006099-79-2	RM03051
MCPA methyl ester	10031	±	50 µg/mL	002436-73-9	RM12863
MCPP methyl ester	10031	±	50 µg/mL	023844-56-6	RM20060
4-nitroanisole	100.3	±	0.5 µg/mL	000100-17-4	RM02806
pentachloroanisole	100.4	±	0.5 µg/mL	001825-21-4	RM02457
picloram methyl ester	100.2	±	0.5 µg/mL	014143-55-6	RM03044
silvex methyl ester	100.2	±	0.5 µg/mL	004841-20-7	RM03799
2,4,5-T methyl ester	100.4	±	0.5 µg/mL	001928-37-6	RM03033

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Agilent

Trusted Answers

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

P12706 (10)
↓
P12715

8.15.23

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

(18)

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13520 ↓ P13536 (18)

CSD-QA-015.2

9/4/2024

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

(18)

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13520 ↓ P13536 (18)

CSD-QA-015.2

9/4/2024

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541 ↓ P13561 (20)

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

9/25/2024

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester 200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968 → 13977 (10)

4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

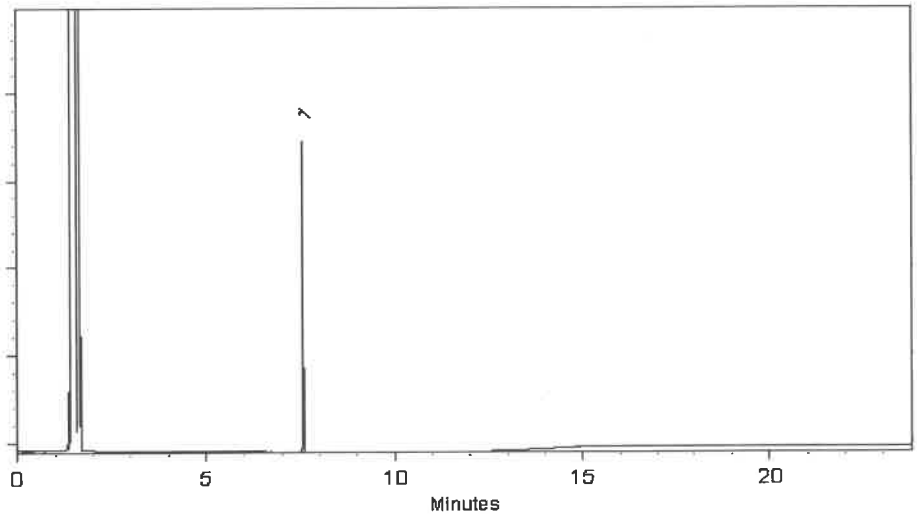
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester 200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968 → 13977 (10)

4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

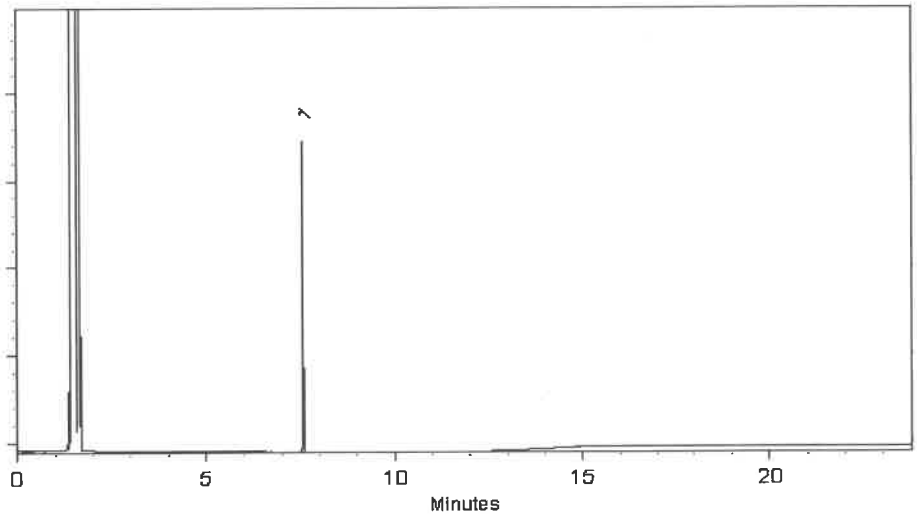
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester 200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968 → 13977 (10)

4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

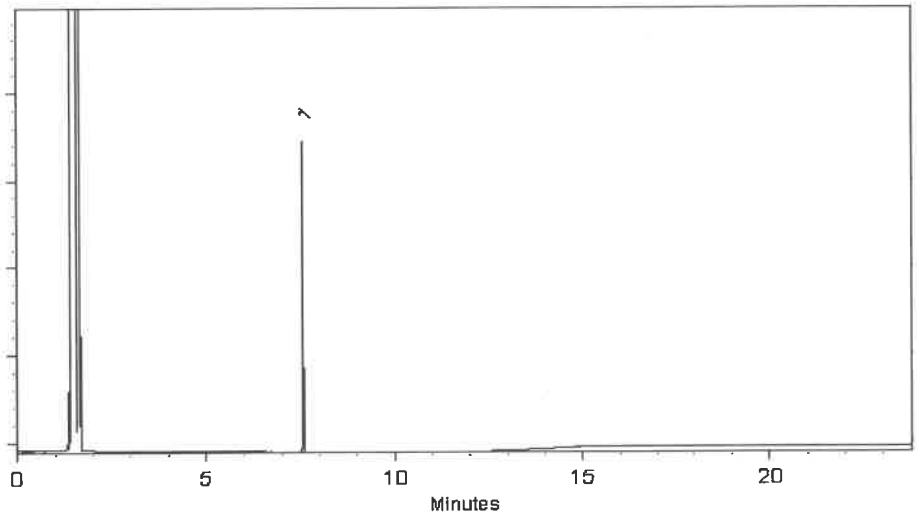
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester 200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968 → 13977 (10)

4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

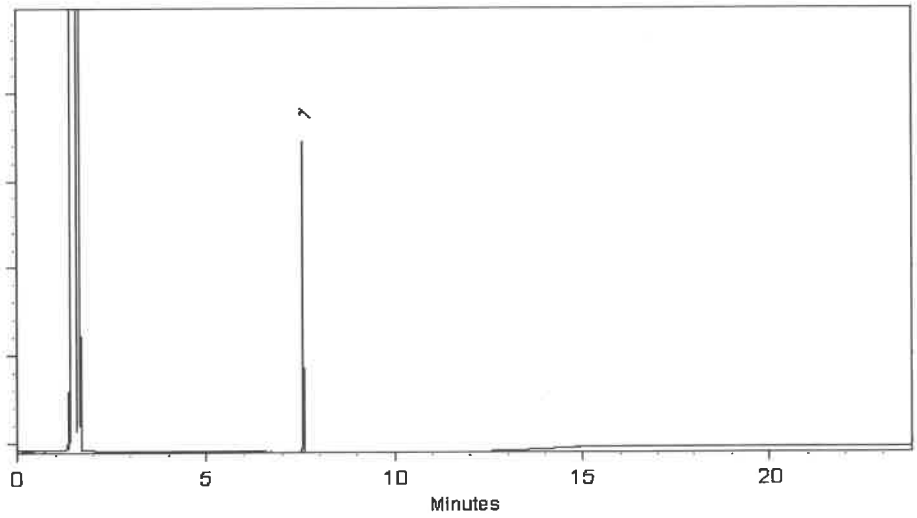
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester 200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968 → 13977 (10)

4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

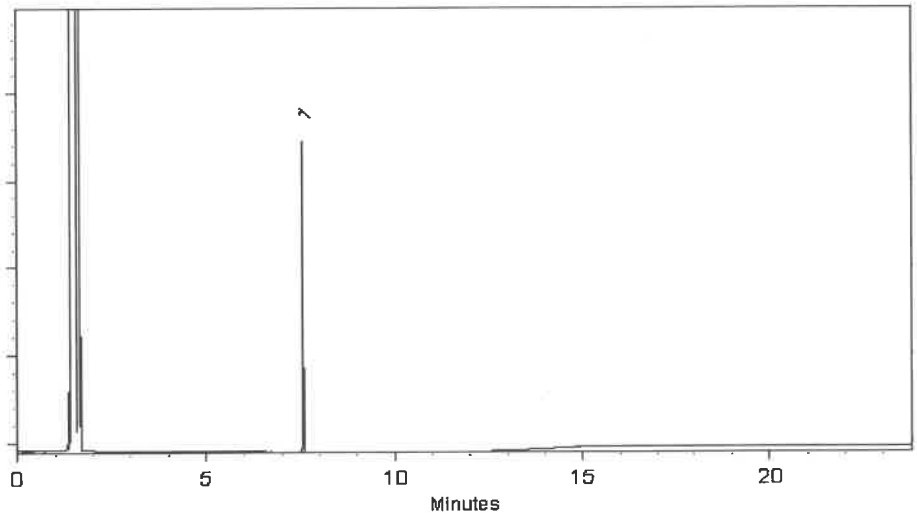
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by SG on 8/16/19
P8828
P8826

Catalog No. : 32254 **Lot No.:** A0148063

Description : Dalapon methyl ester Standard

Dalapon methyl ester 1000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dalapon methyl ester	999.6 µg/mL	+/- 10.0697	µg/mL	Gravimetric
	CAS # 17640-02-7 (Lot 1764600)		+/- 34.4896	µg/mL	Unstressed
	Purity 98%		+/- 34.4896	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

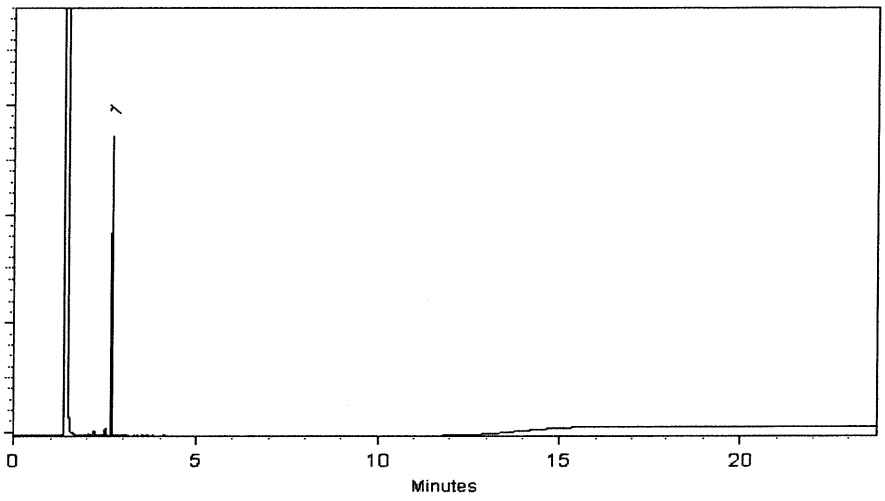
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2019 **Balance:** 1127510105

Fang-Yun Lo - QC Analyst

Date Passed: 15-Apr-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Q2259

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	B. Fortier

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-PCS-TC-36-060525	6/5/25	11:25	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-37-060525	6/5/25	11:35	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-29-060525	6/5/25	13:30	G	SO			1											X		
	OU4-TS-30-060525	6/5/25	13:35	G	SO			1											X		

[2] Preservation Code

Total Number Of:
VIALS
GLASS
PLASTIC
BACTERIA
ENCORE

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 6/5/25 13:45	Client Comments:
Received by: (signature) Cooler	Date/Time: 6/5/25 13:45	
Relinquished by: (signature) FedEx	Date/Time: 6/6/25 1004	
Received by: (signature)	Date/Time: 6/6/25 1004	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments: 3.4°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2259 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 6/6/2025 10:57:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 6/6/2025 10:04:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2259-01	OU4-PCS-TC-36-060525	Solid	06/05/2025	11:25					
					VOCMS Group3		8260D	10 Bus. Days	
Q2259-03	OU4-PCS-TC-37-060525	Solid	06/05/2025	11:35					
					VOCMS Group3		8260D	10 Bus. Days	

Relinguished By :
Date / Time : 6/6/25 1136

Received By :
Date / Time : 06/06/25 11:36
Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

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

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	974.8E6	268.4E6	253.092	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	8.322	242.4E6	50973207	19.153	16.751
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

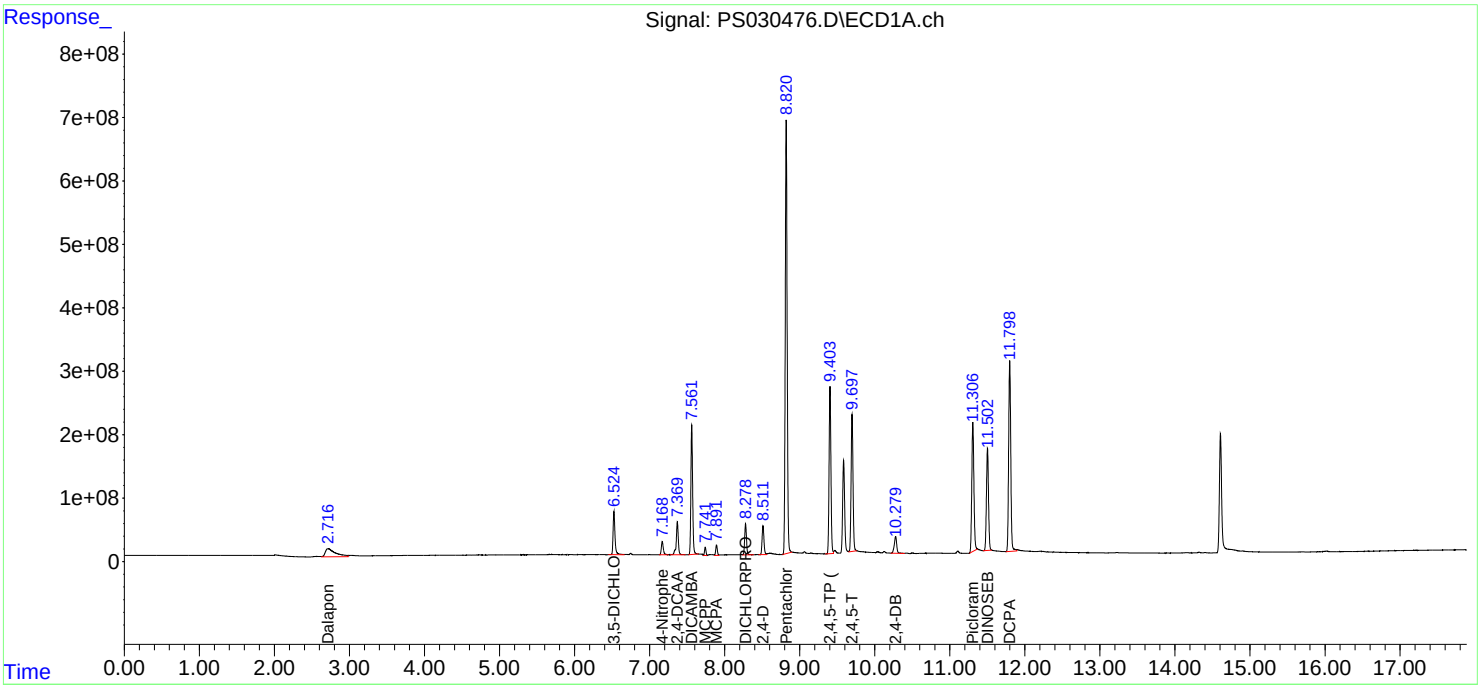
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

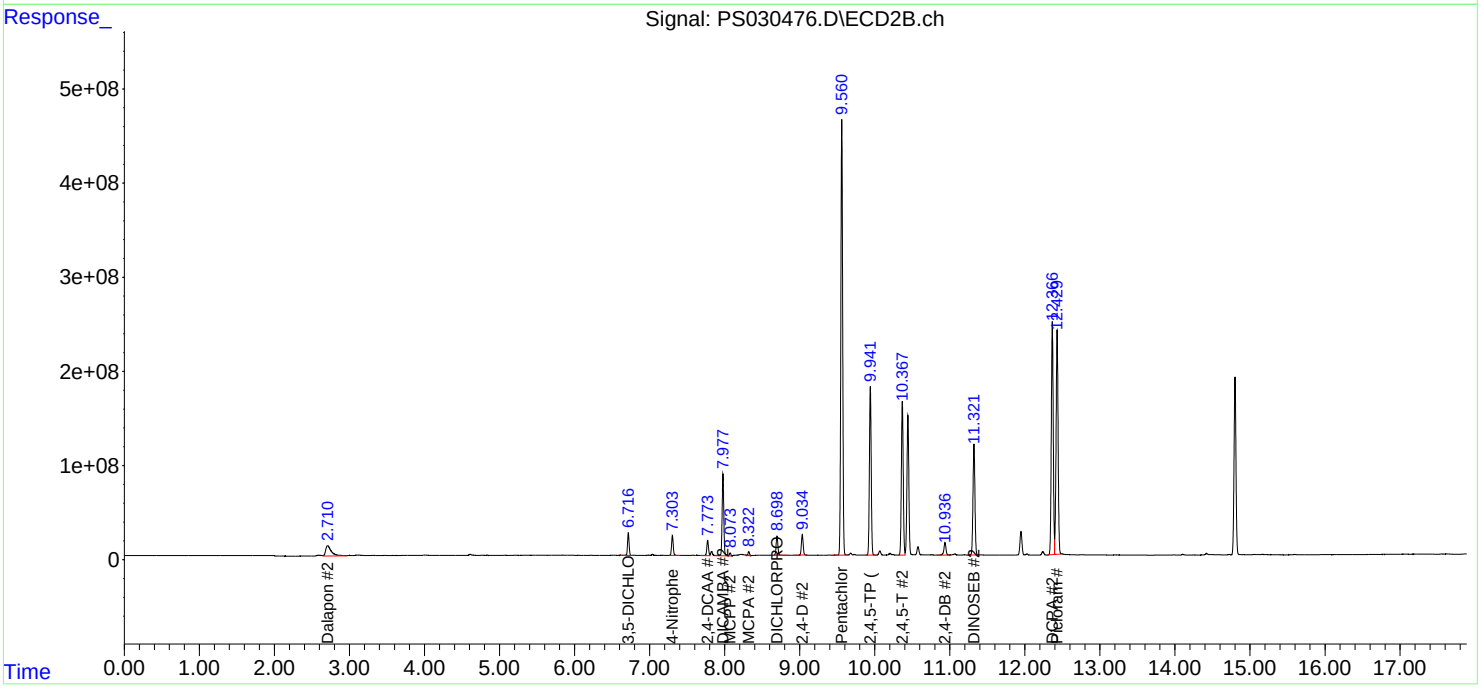
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030476.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:19
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

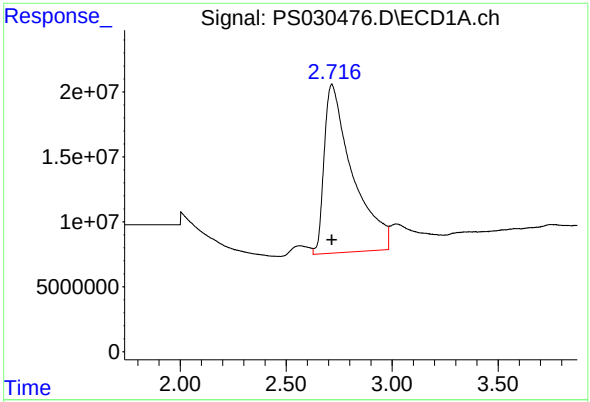
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

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 0.25µm



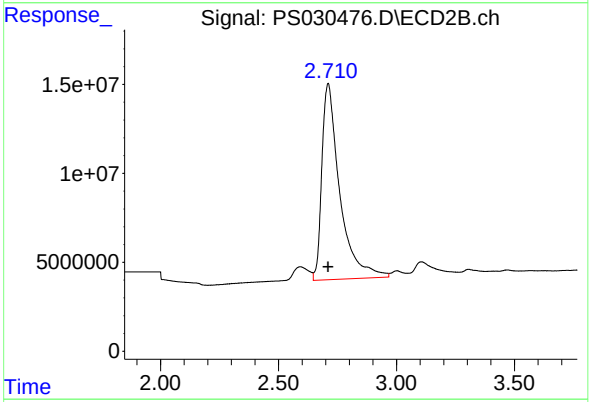




#1 Dalapon

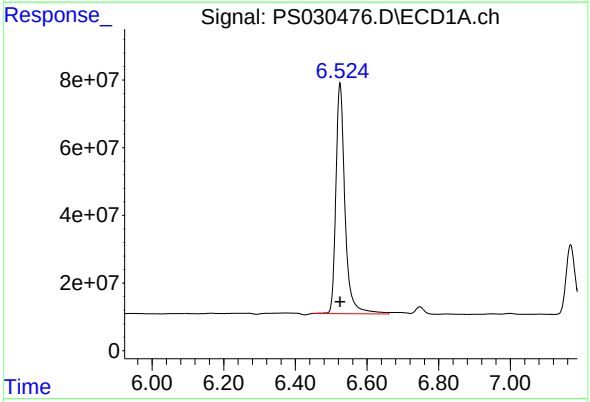
R.T.: 2.715 min
Delta R.T.: 0.000 min
Response: 1207680158
Conc: 209.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



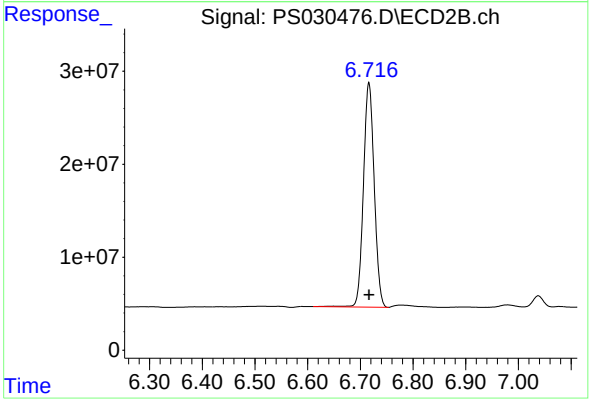
#1 Dalapon

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



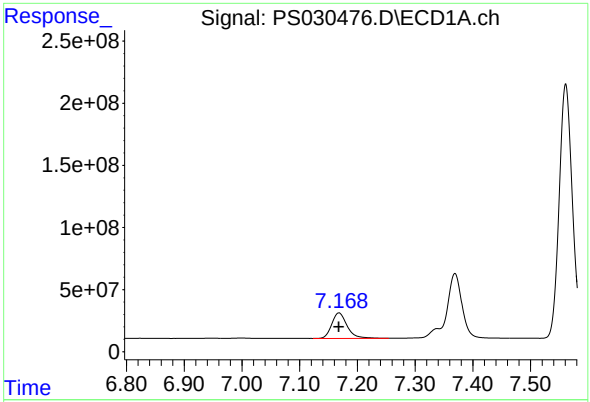
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

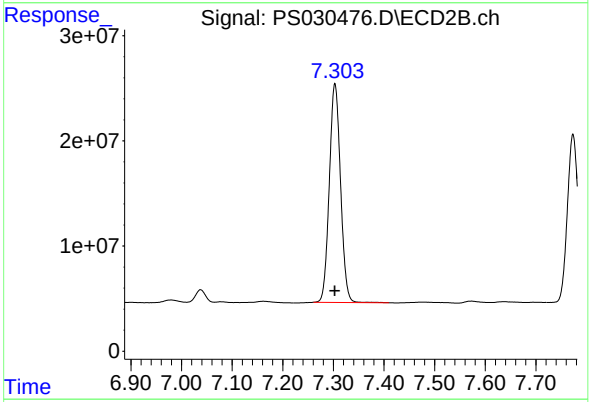
R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 343318212
Conc: 214.99 ng/ml



#3 4-Nitrophenol

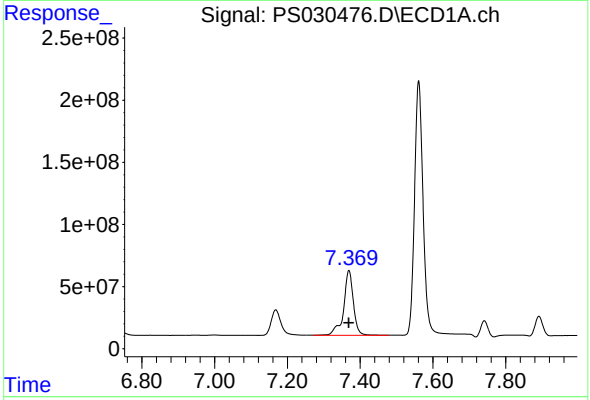
R.T.: 7.168 min
Delta R.T.: 0.000 min
Response: 384365931
Conc: 205.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



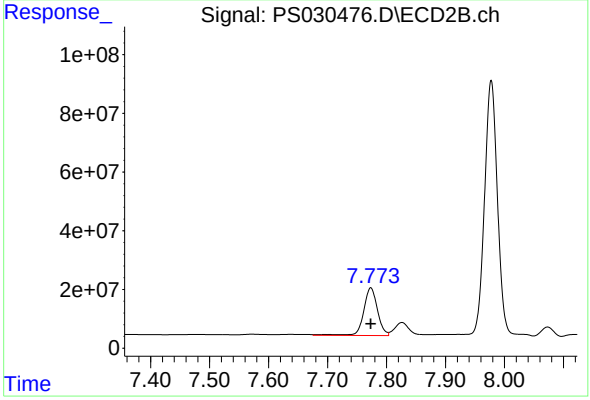
#3 4-Nitrophenol

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



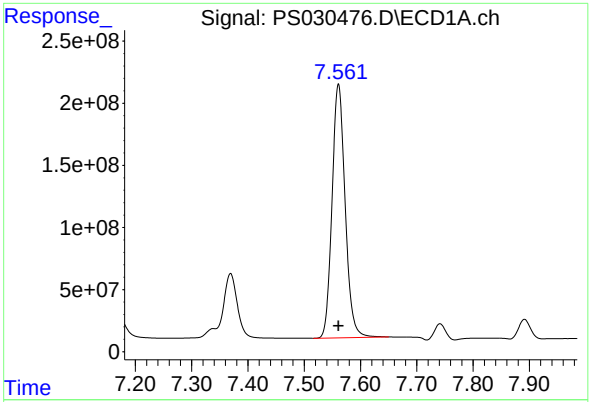
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 974837498
Conc: 253.09 ng/ml



#4 2,4-DCAA

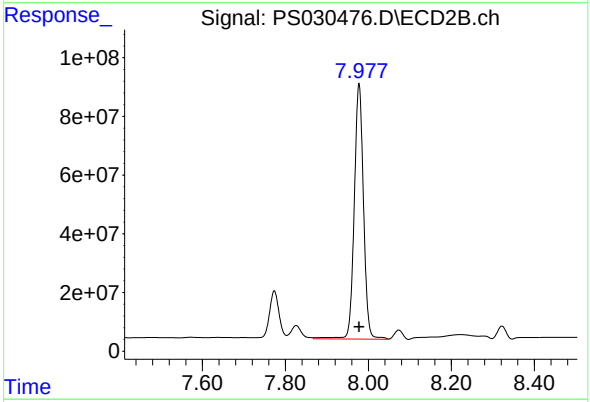
R.T.: 7.773 min
Delta R.T.: 0.000 min
Response: 268391079
Conc: 243.08 ng/ml



#5 DICAMBA

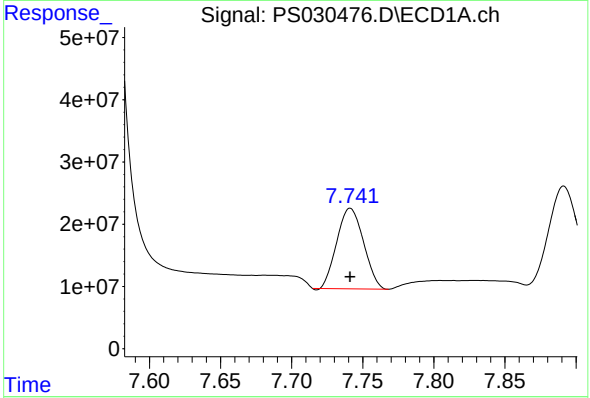
R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 3298523437
Conc: 209.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



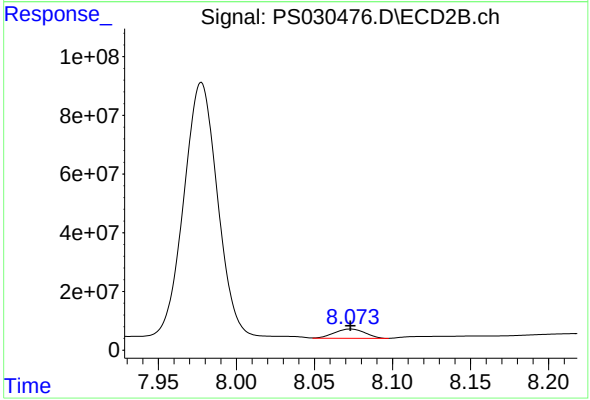
#5 DICAMBA

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



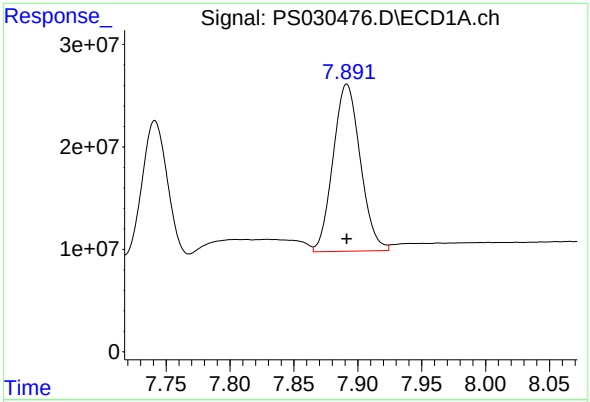
#6 MCPP

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



#6 MCPP

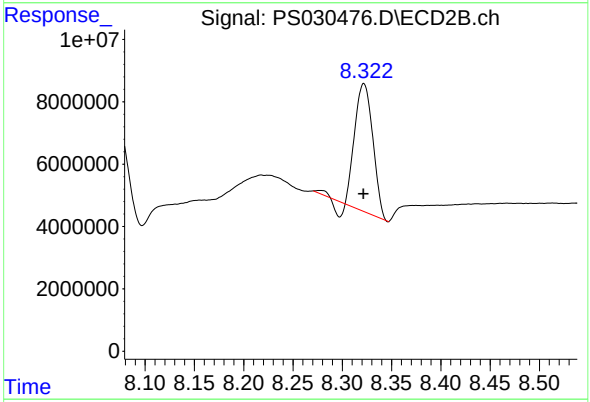
R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 43441130
Conc: 18.81 ug/ml



#7 MCPA

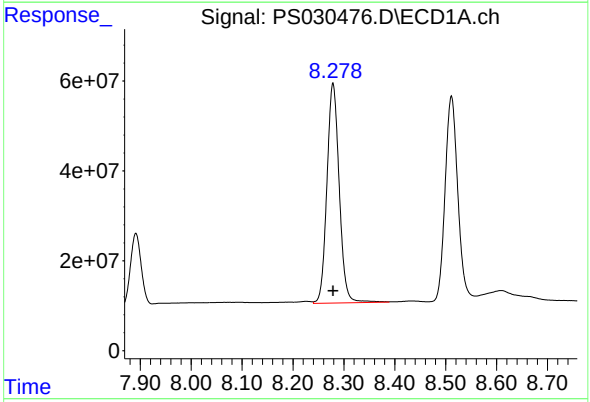
R.T.: 7.891 min
Delta R.T.: 0.000 min
Response: 242376816
Conc: 19.15 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



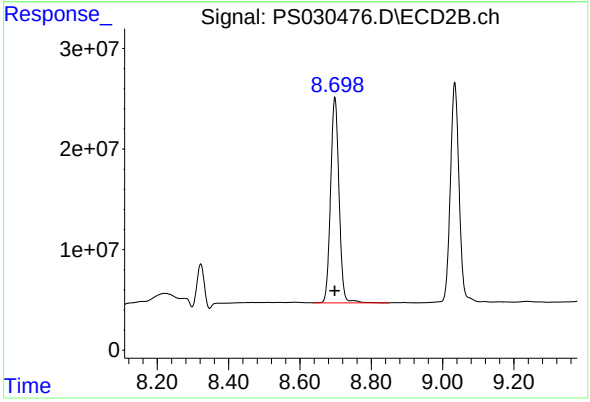
#7 MCPA

R.T.: 8.322 min
Delta R.T.: 0.000 min
Response: 50973207
Conc: 16.75 ug/ml



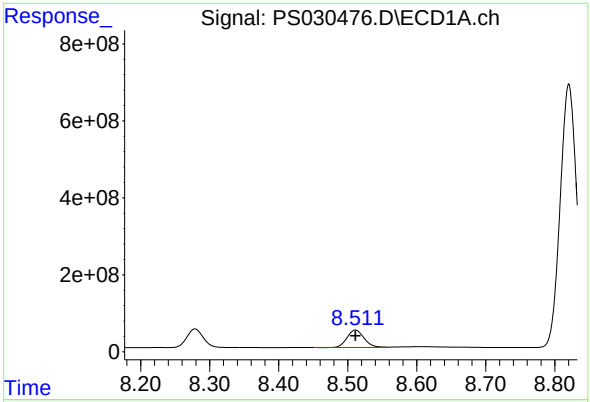
#8 DICHLORPROP

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



#8 DICHLORPROP

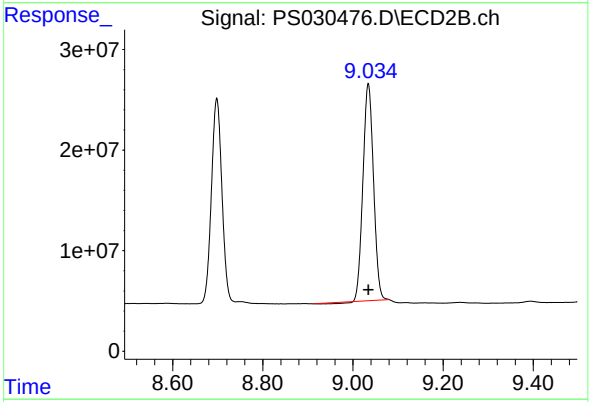
R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 336497495
Conc: 221.42 ng/ml



#9 2,4-D

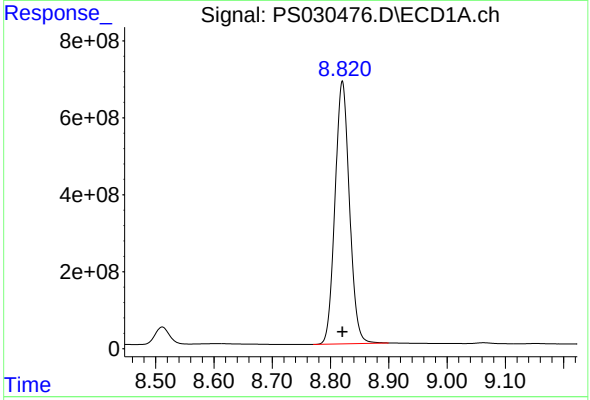
R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 791276840
Conc: 212.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



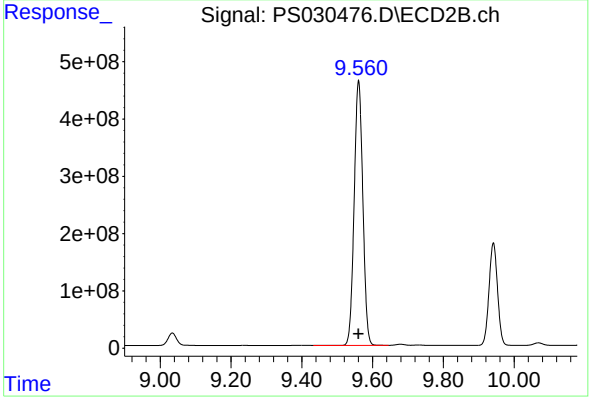
#9 2,4-D

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



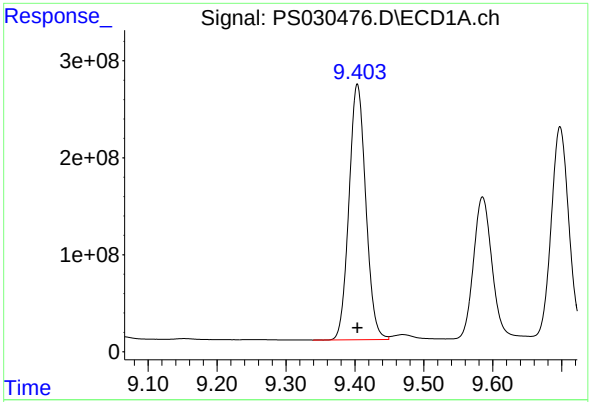
#10 Pentachlorophenol

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



#10 Pentachlorophenol

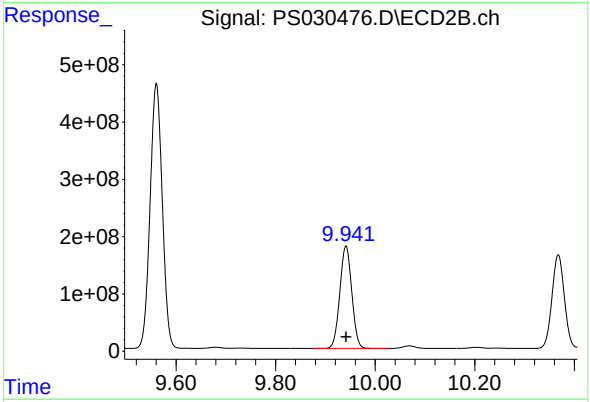
R.T.: 9.560 min
Delta R.T.: 0.000 min
Response: 7856547031
Conc: 210.06 ng/ml



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

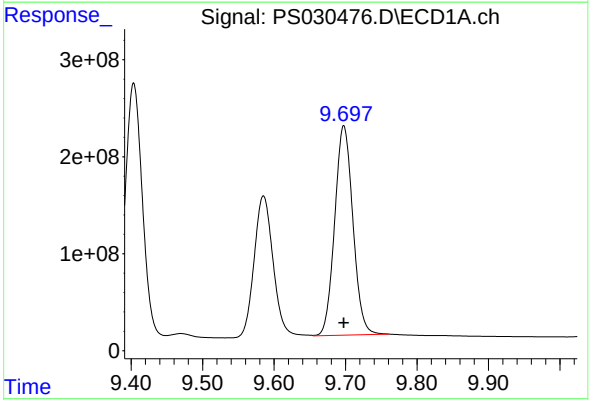
R.T.: 9.404 min
Delta R.T.: 0.000 min
Response: 4454457487
Conc: 210.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



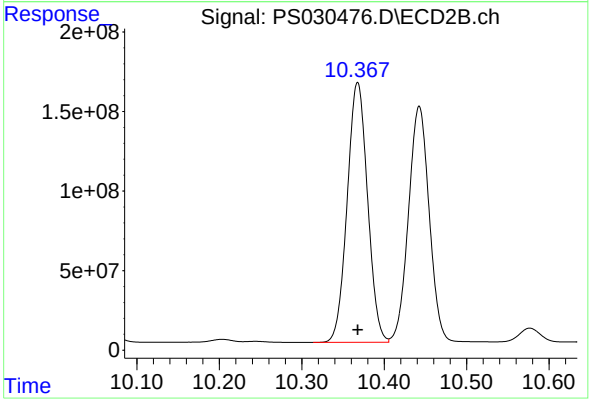
#11 2,4,5-TP (SILVEX)

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



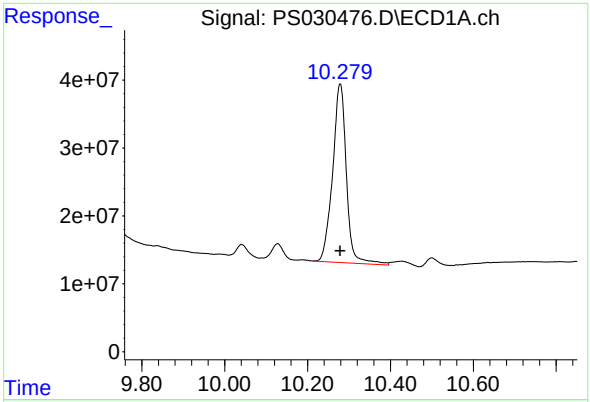
#12 2,4,5-T

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



#12 2,4,5-T

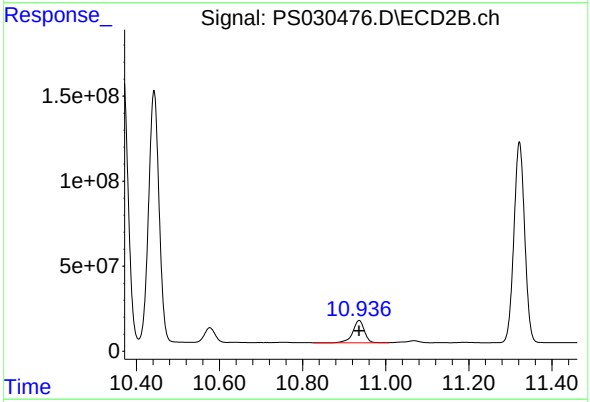
R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 2807666139
Conc: 210.93 ng/ml



#13 2,4-DB

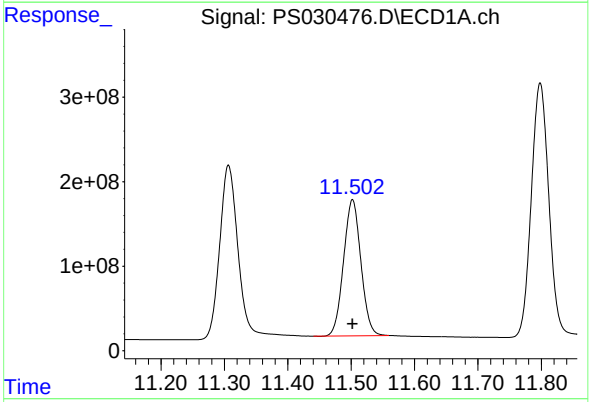
R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 605536275
Conc: 198.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



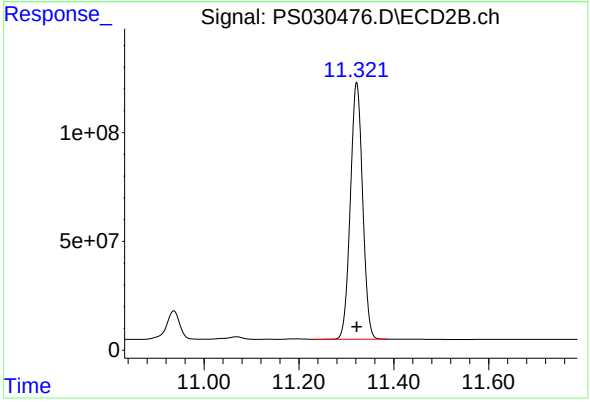
#13 2,4-DB

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



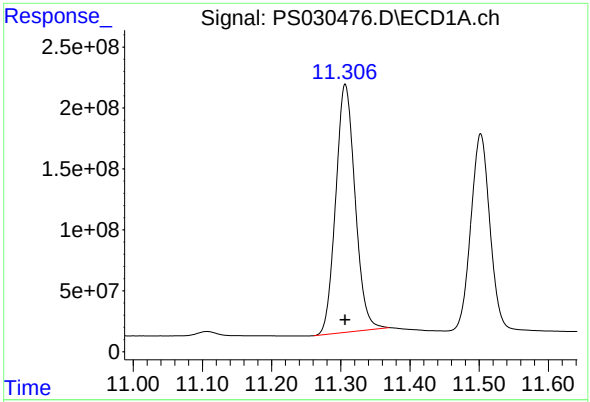
#14 DINOSEB

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



#14 DINOSEB

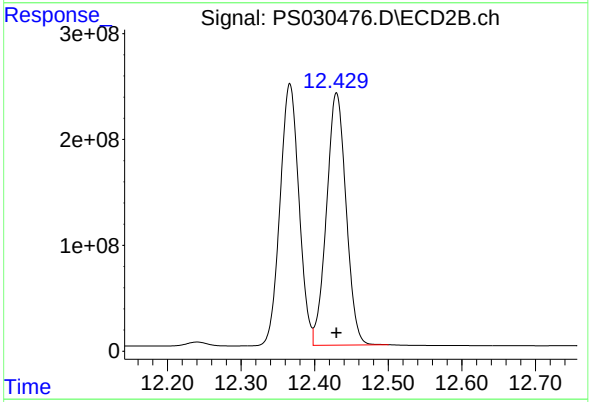
R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 2115288757
Conc: 207.22 ng/ml



#15 Picloram

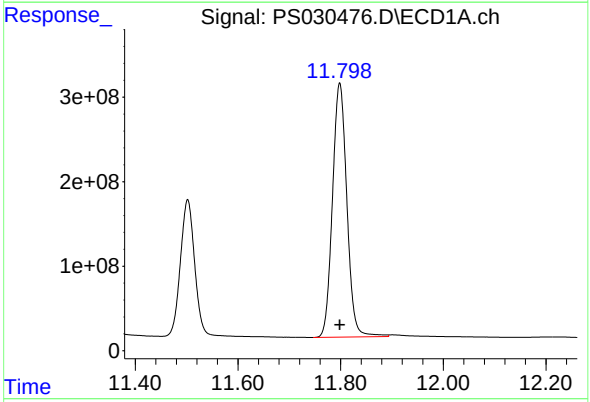
R.T.: 11.306 min
Delta R.T.: 0.000 min
Response: 3963852051
Conc: 197.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



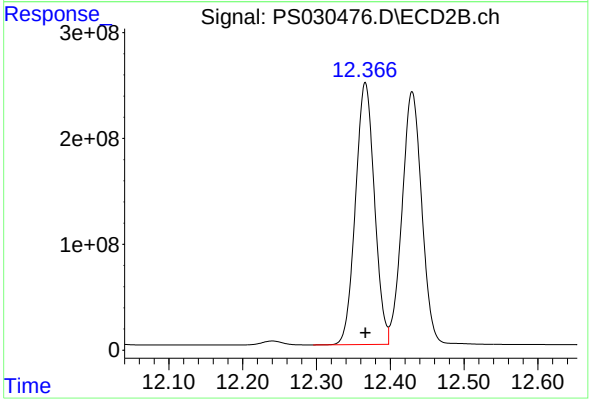
#15 Picloram

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 (Not Reviewed)

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

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	7.369	7.773	2070.7E6	533.1E6	565.727	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

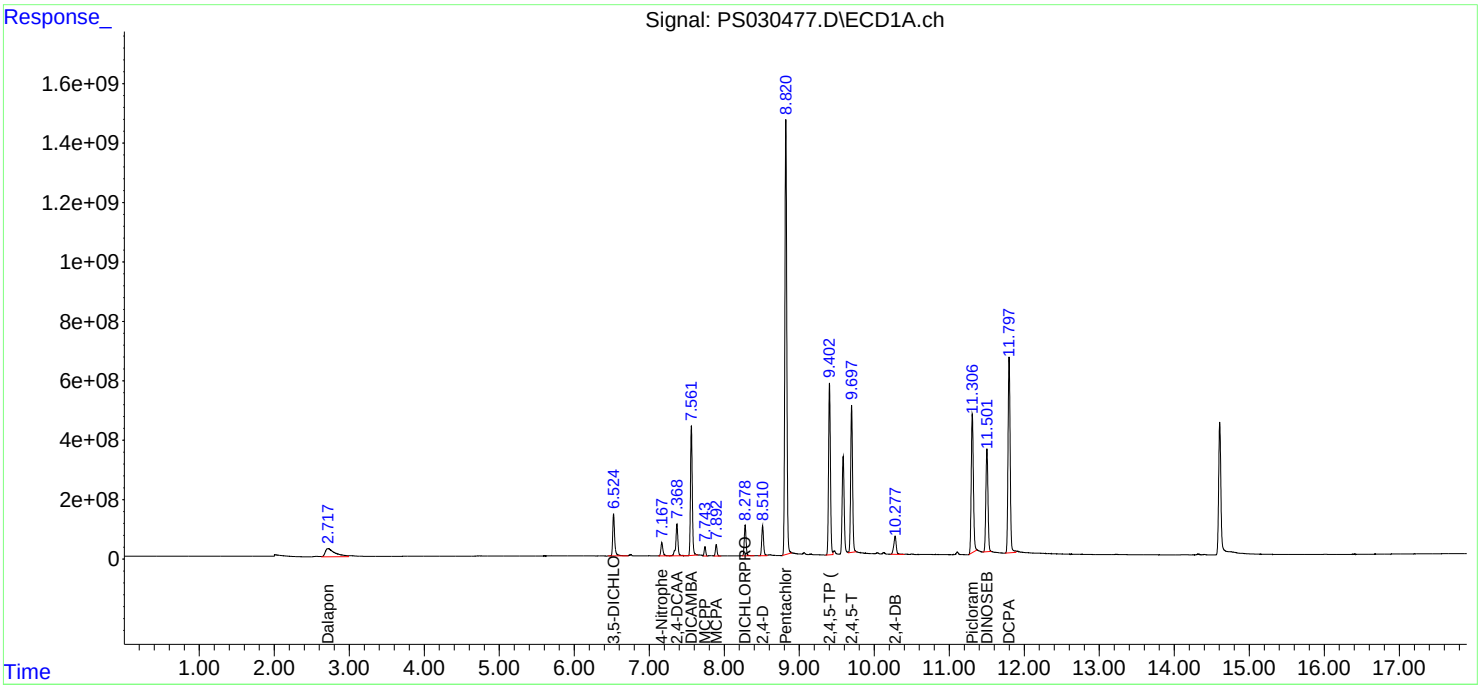
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

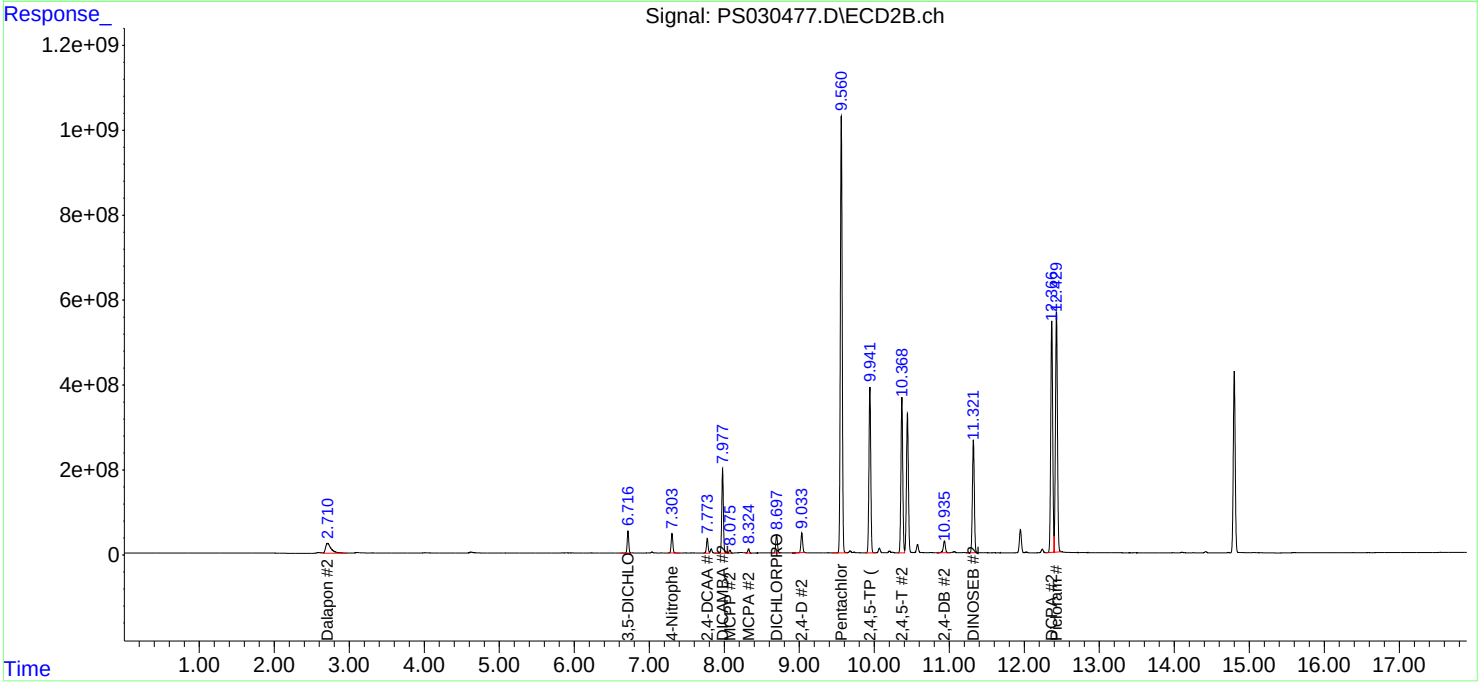
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030477.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:43
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

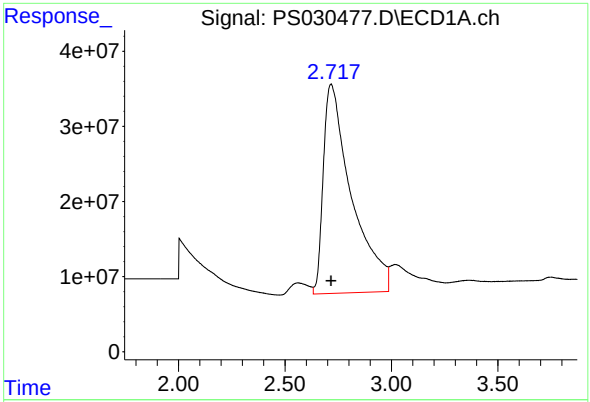
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

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 0.25µm



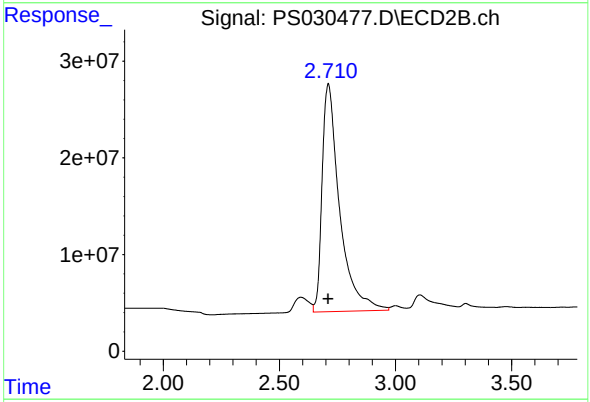




#1 Dalapon

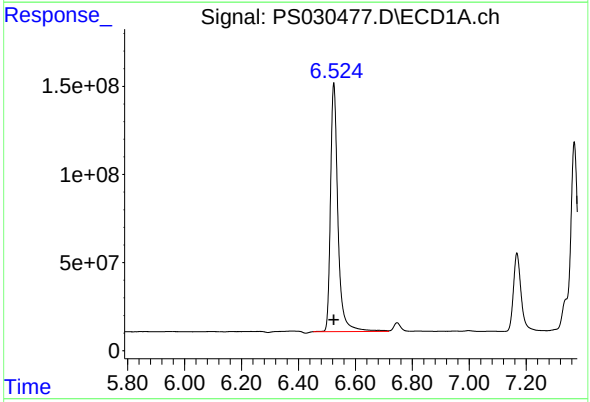
R.T.: 2.717 min
Delta R.T.: 0.000 min
Response: 2560362779
Conc: 467.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



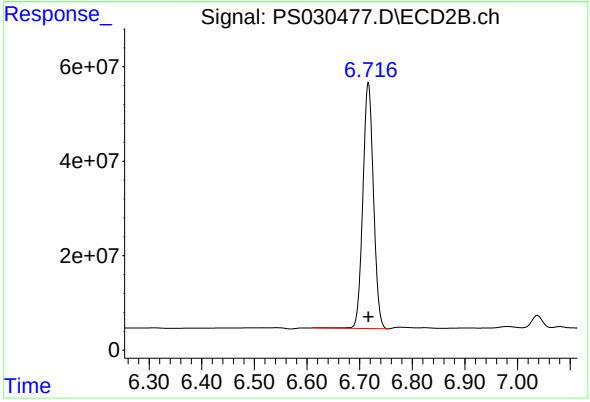
#1 Dalapon

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



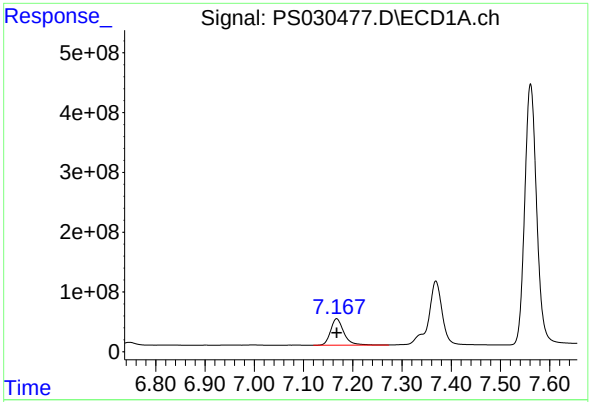
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

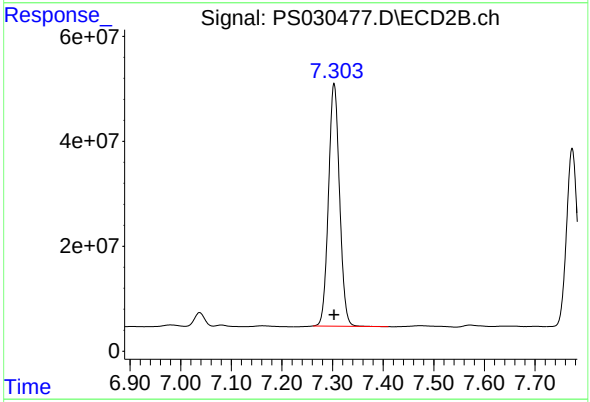
R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 728684372
Conc: 481.32 ng/ml



#3 4-Nitrophenol

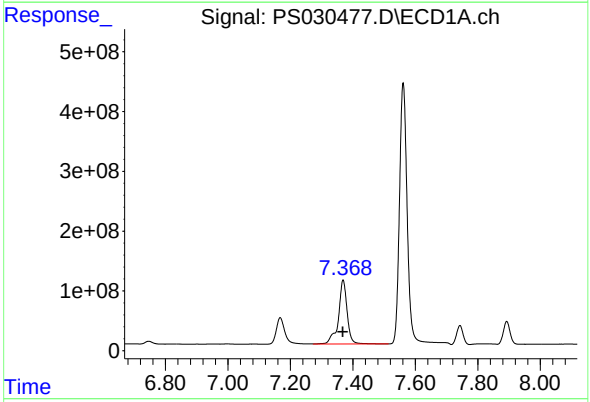
R.T.: 7.167 min
Delta R.T.: 0.000 min
Response: 829294425
Conc: 464.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



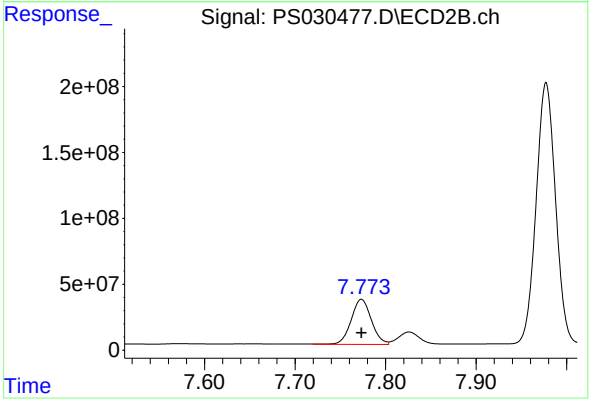
#3 4-Nitrophenol

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



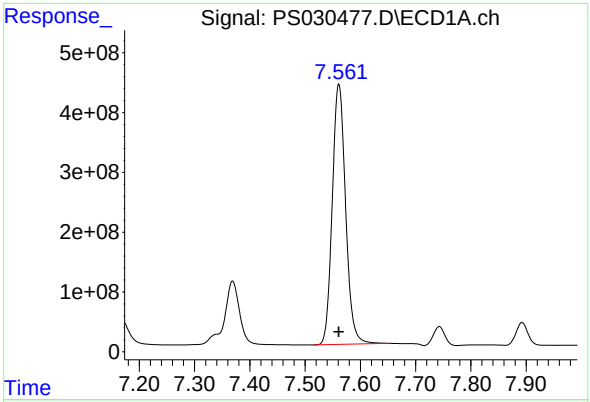
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 2070671979
Conc: 565.73 ng/ml



#4 2,4-DCAA

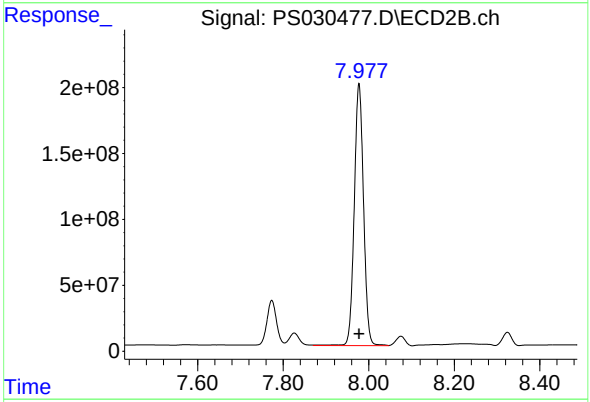
R.T.: 7.773 min
Delta R.T.: 0.000 min
Response: 533080640
Conc: 520.17 ng/ml



#5 DICAMBA

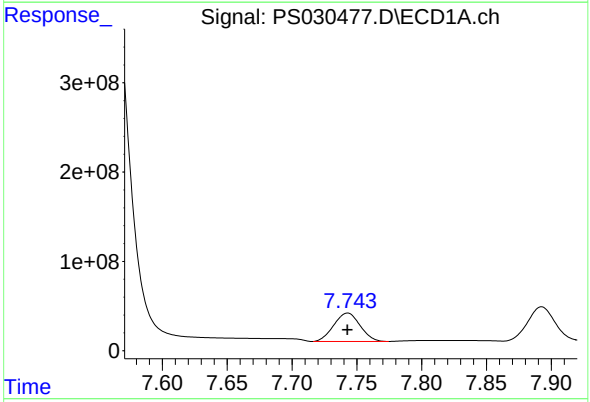
R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 7300106712
Conc: 482.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



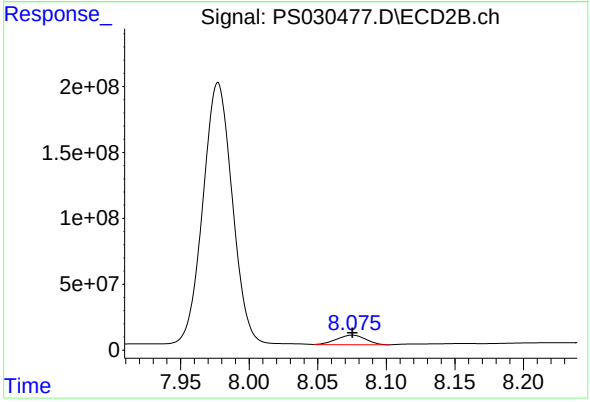
#5 DICAMBA

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



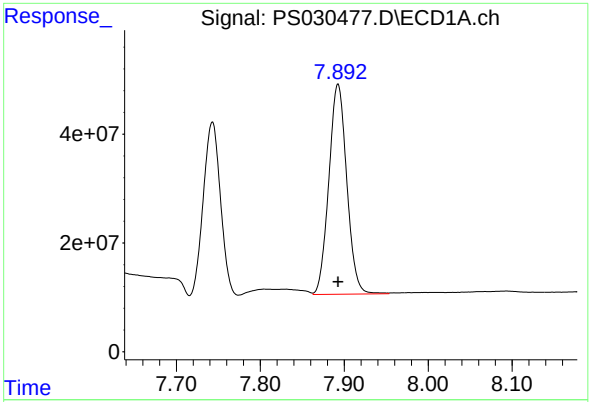
#6 MCPP

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



#6 MCPP

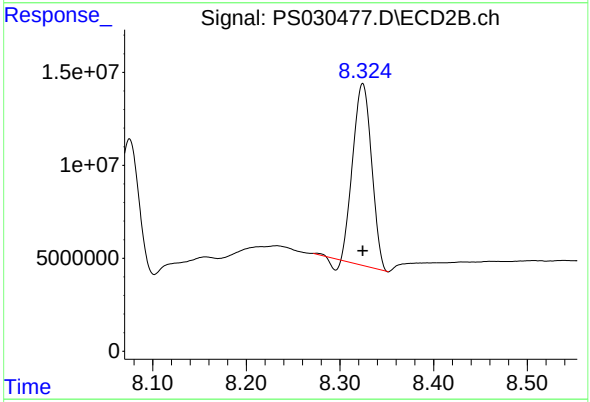
R.T.: 8.075 min
Delta R.T.: 0.000 min
Response: 107608065
Conc: 46.60 ug/ml



#7 MCPA

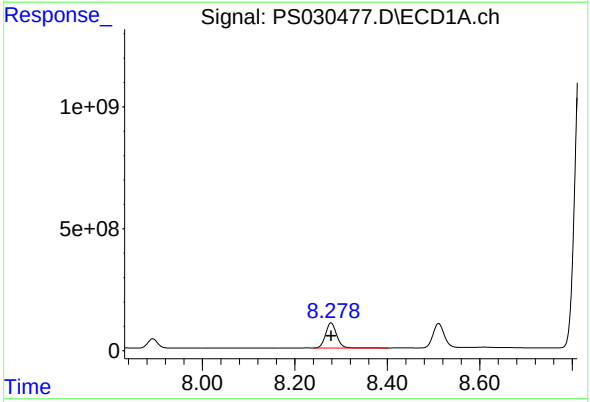
R.T.: 7.893 min
Delta R.T.: 0.000 min
Response: 573437736
Conc: 45.77 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



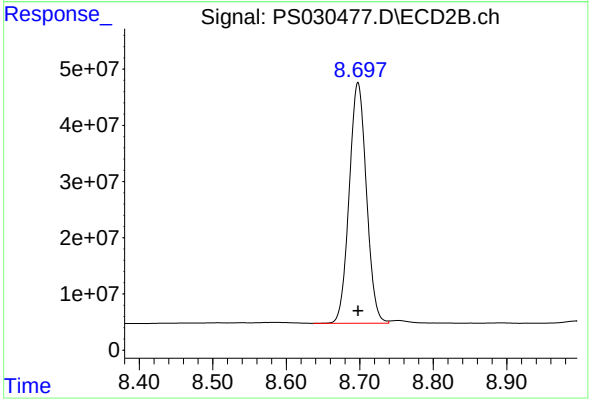
#7 MCPA

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



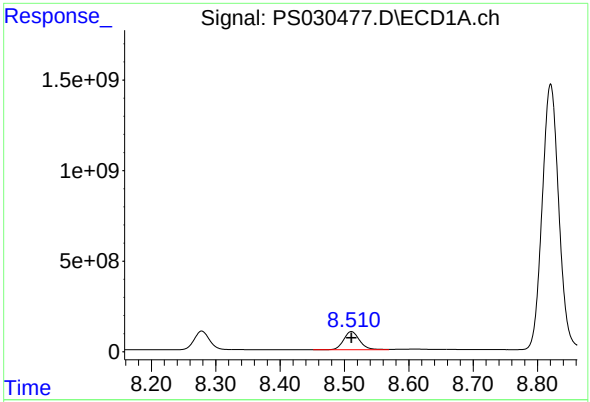
#8 DICHLORPROP

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



#8 DICHLORPROP

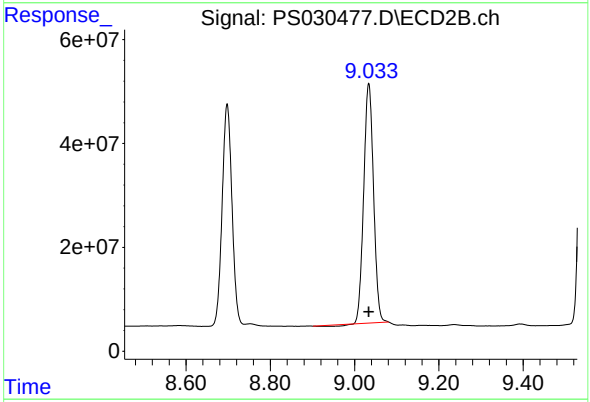
R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 695685093
Conc: 486.59 ng/ml



#9 2,4-D

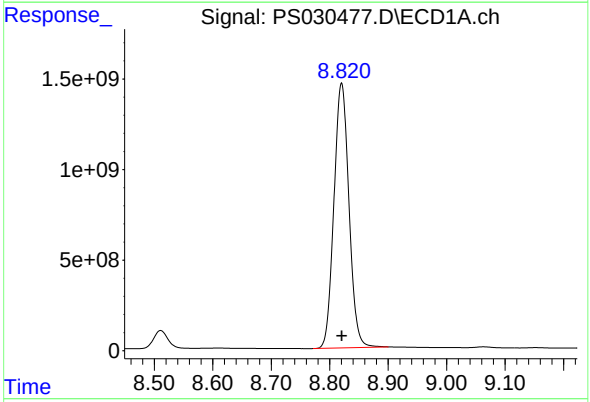
R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 1715765445
Conc: 482.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



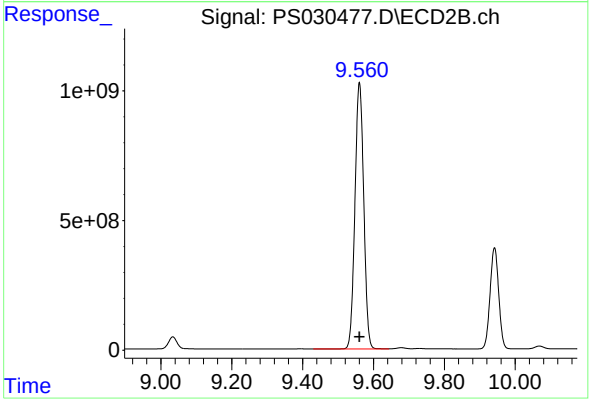
#9 2,4-D

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



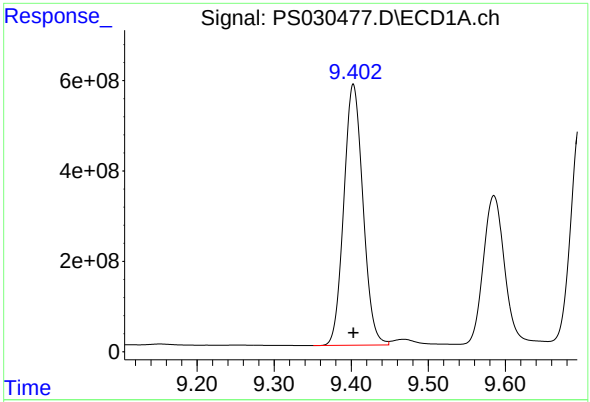
#10 Pentachlorophenol

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



#10 Pentachlorophenol

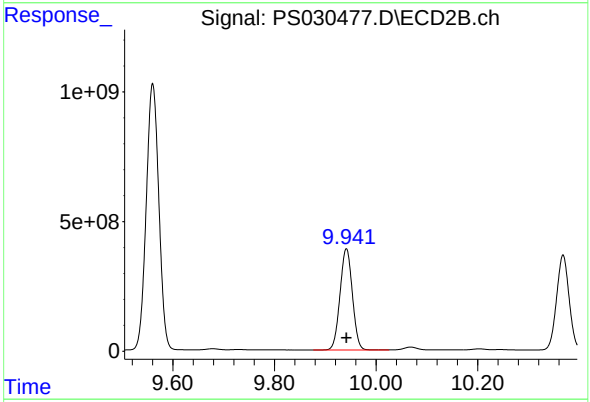
R.T.: 9.560 min
Delta R.T.: 0.000 min
Response: 17662172152
Conc: 489.47 ng/ml



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

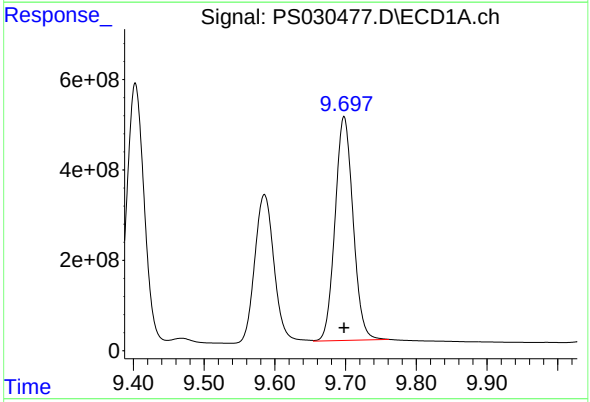
R.T.: 9.403 min
Delta R.T.: 0.000 min
Response: 9941842250
Conc: 488.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



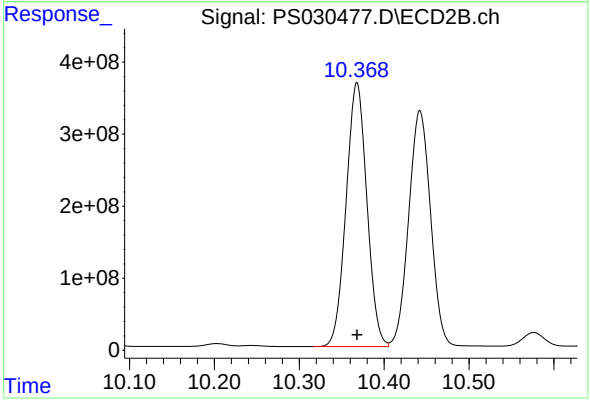
#11 2,4,5-TP (SILVEX)

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



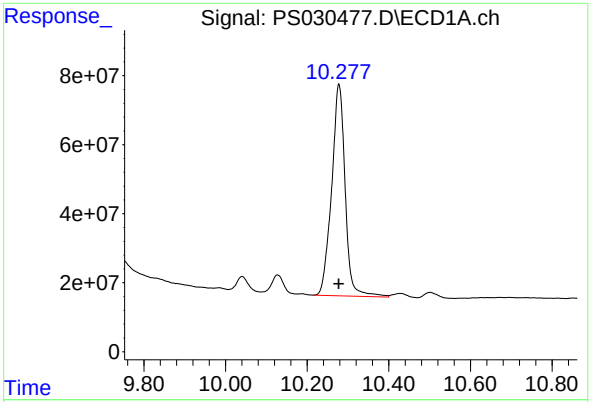
#12 2,4,5-T

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



#12 2,4,5-T

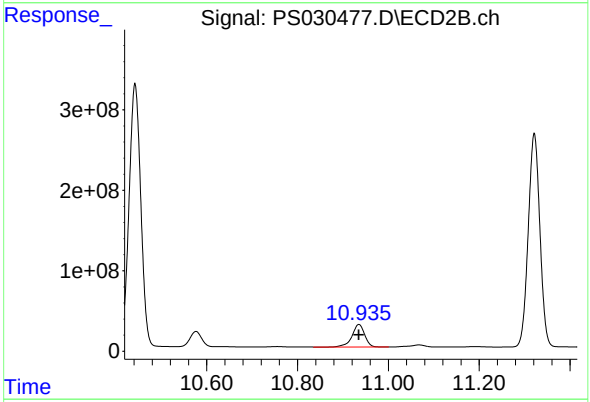
R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 6236103287
Conc: 486.37 ng/ml



#13 2,4-DB

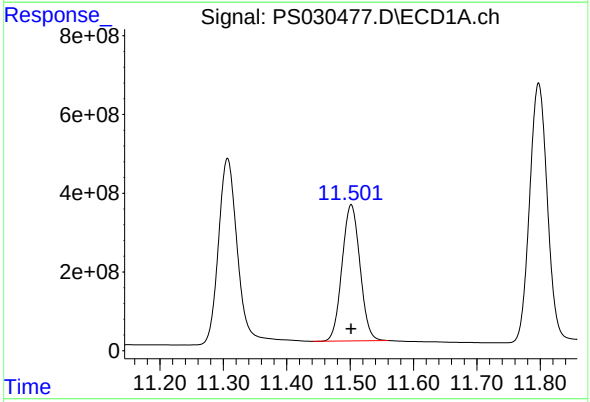
R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 1410703579
Conc: 469.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



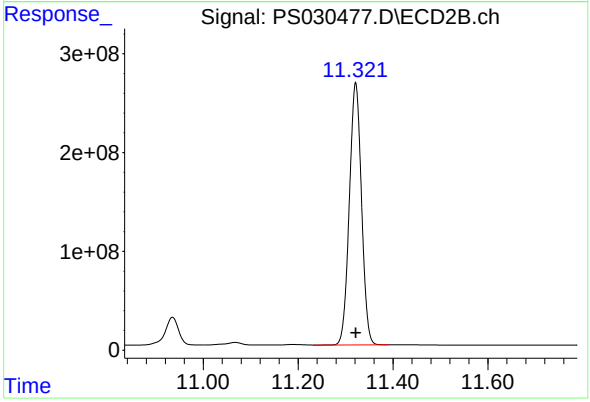
#13 2,4-DB

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



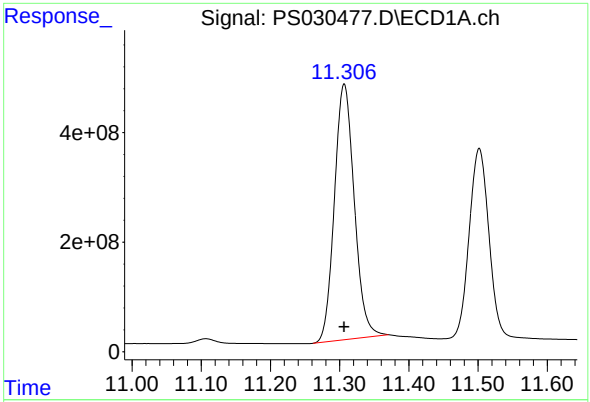
#14 DINOSEB

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



#14 DINOSEB

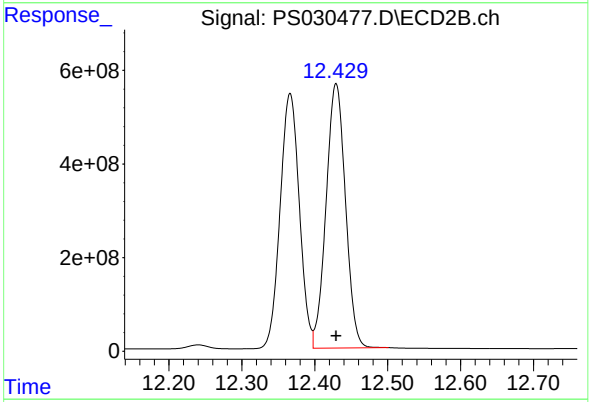
R.T.: 11.321 min
Delta R.T.: 0.000 min
Response: 4715865784
Conc: 478.29 ng/ml



#15 Picloram

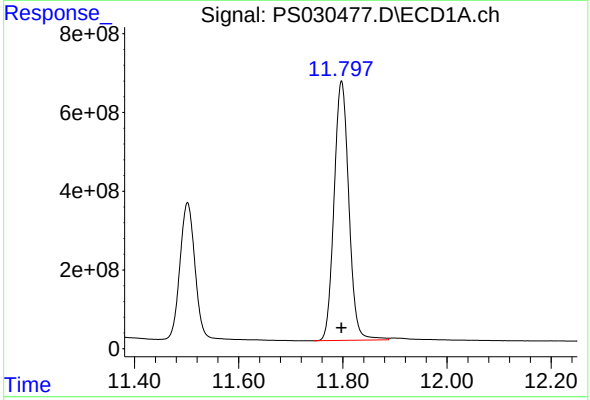
R.T.: 11.307 min
Delta R.T.: 0.000 min
Response: 9323819535
Conc: 469.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



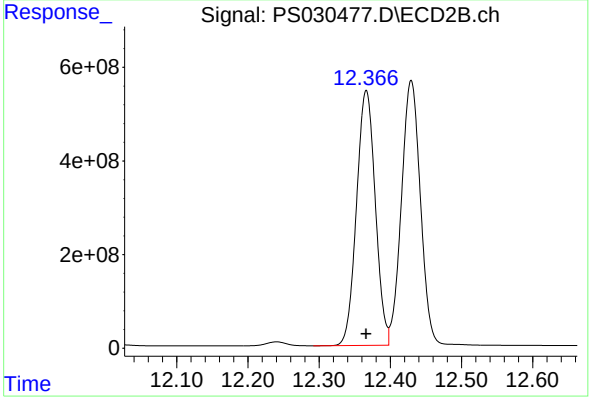
#15 Picloram

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 (Not Reviewed)

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

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	2963.0E6	758.4E6	819.601	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

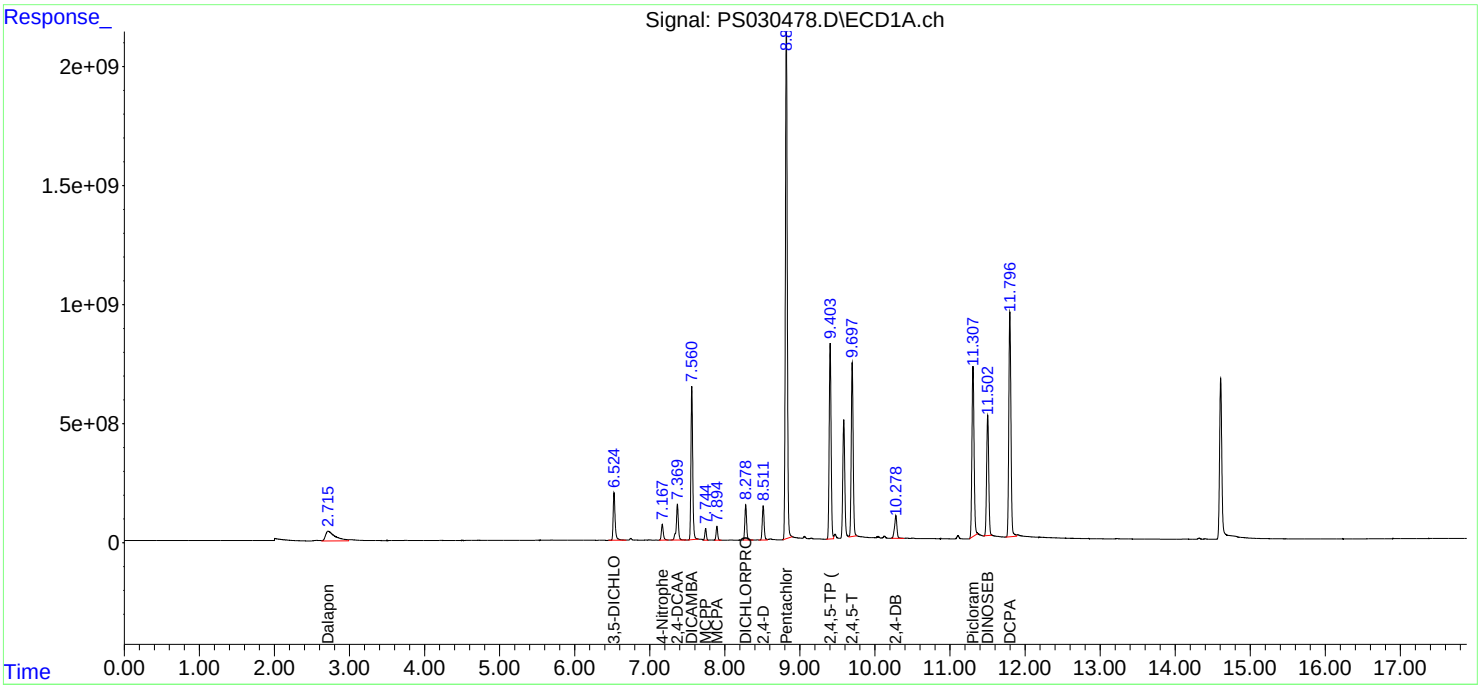
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

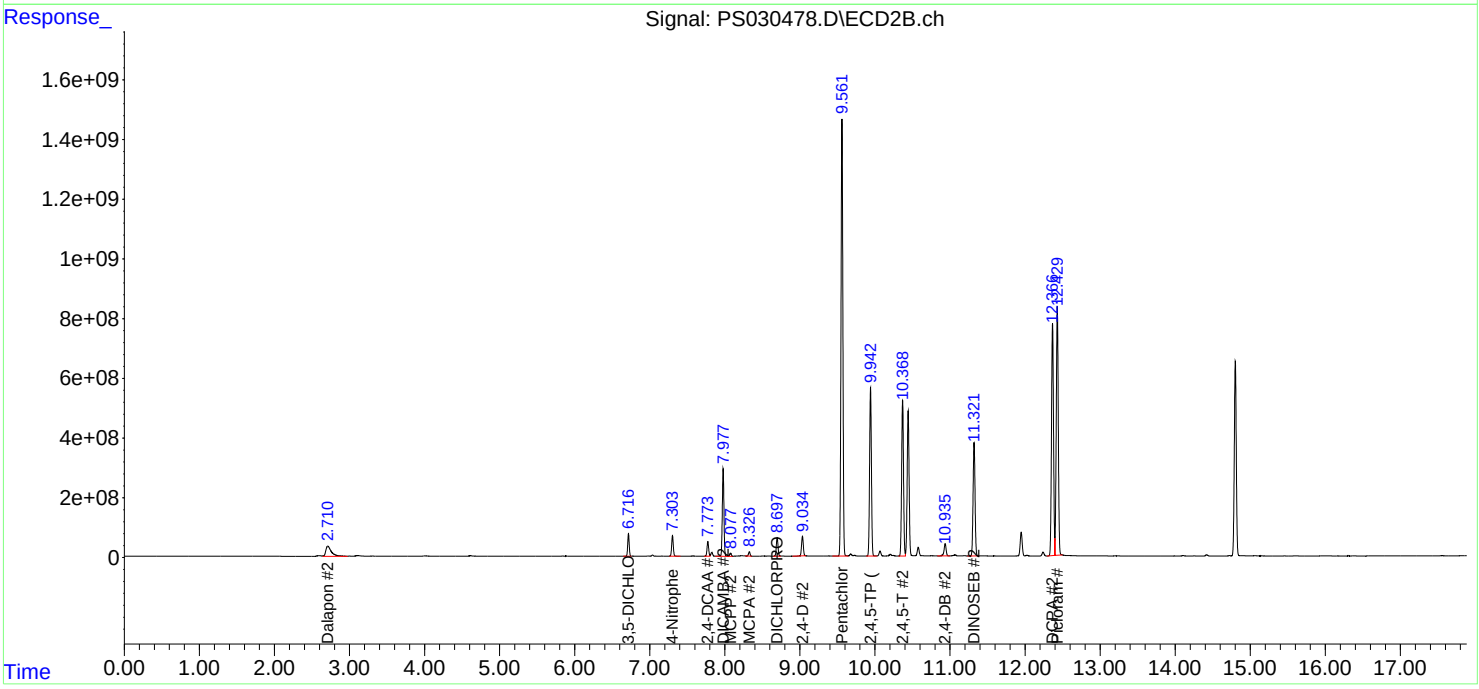
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030478.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:07
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

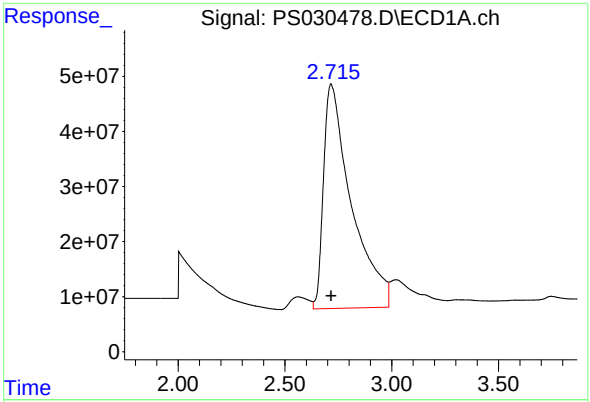
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

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 0.25µm



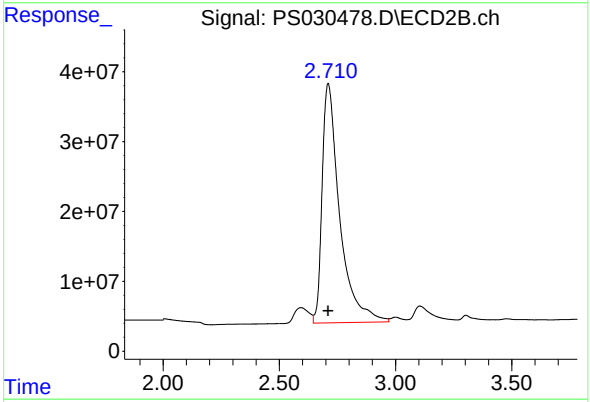




#1 Dalapon

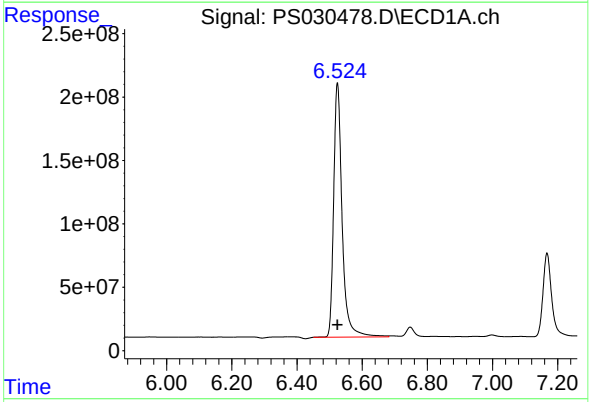
R.T.: 2.716 min
Delta R.T.: 0.000 min
Response: 3691665088
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



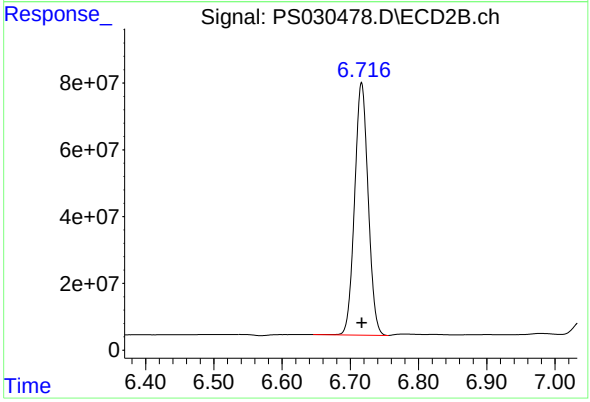
#1 Dalapon

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



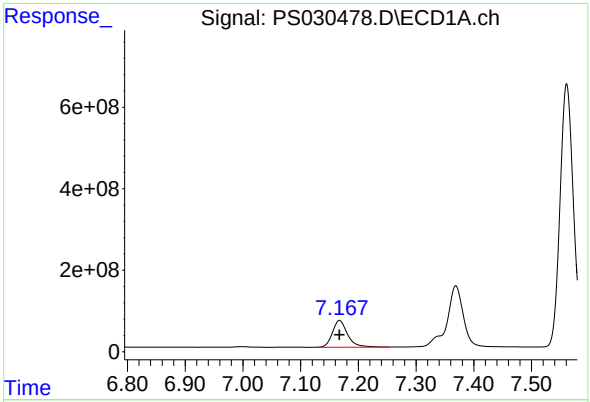
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

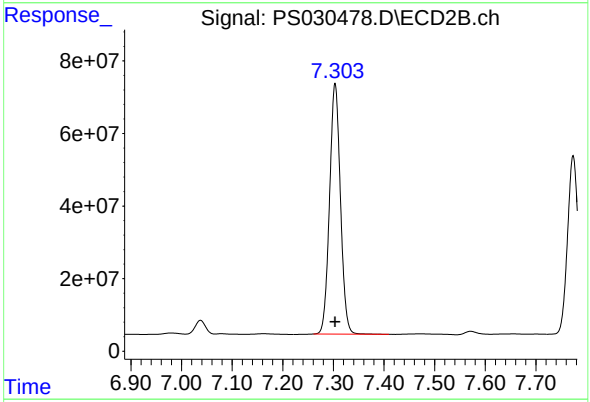
R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 1042975281
Conc: 697.50 ng/ml



#3 4-Nitrophenol

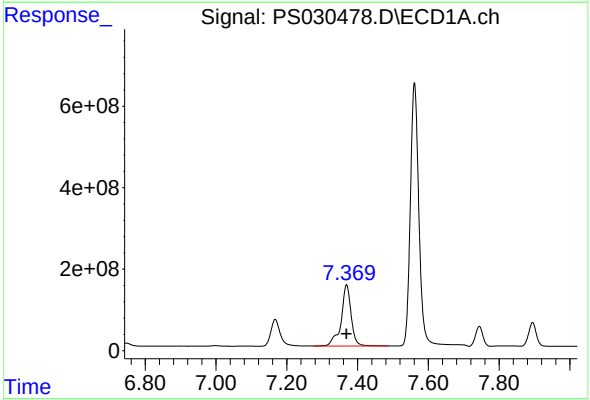
R.T.: 7.167 min
Delta R.T.: 0.000 min
Response: 1207018921
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



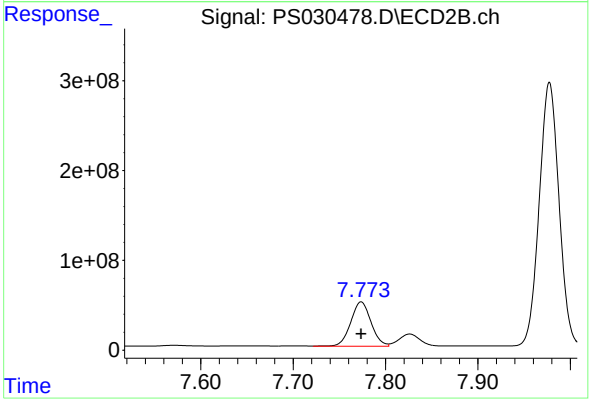
#3 4-Nitrophenol

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



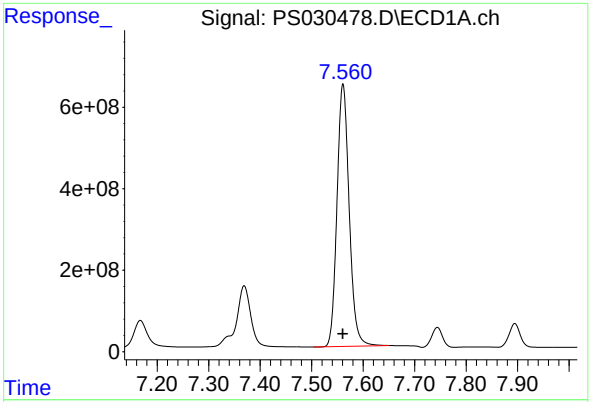
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 2963019798
Conc: 819.60 ng/ml



#4 2,4-DCAA

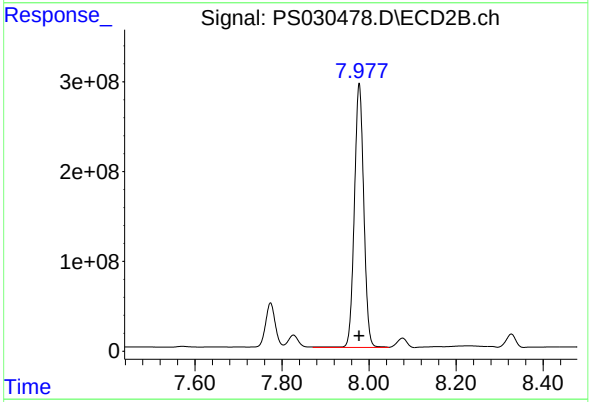
R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 758443389
Conc: 750.00 ng/ml



#5 DICAMBA

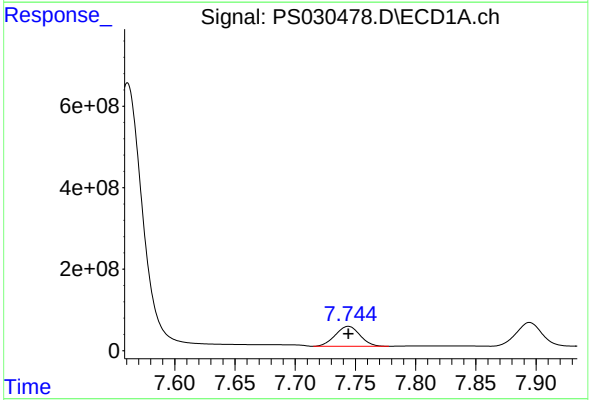
R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 10569446696
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



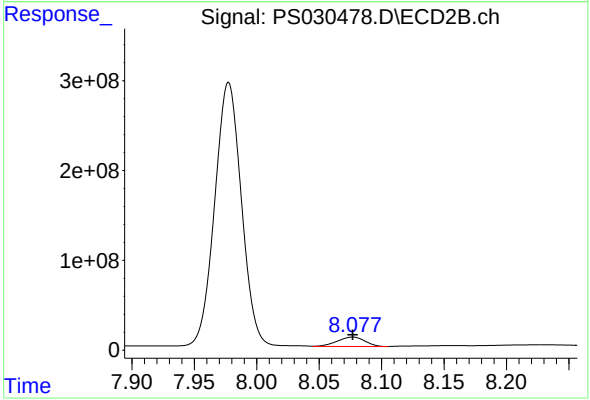
#5 DICAMBA

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



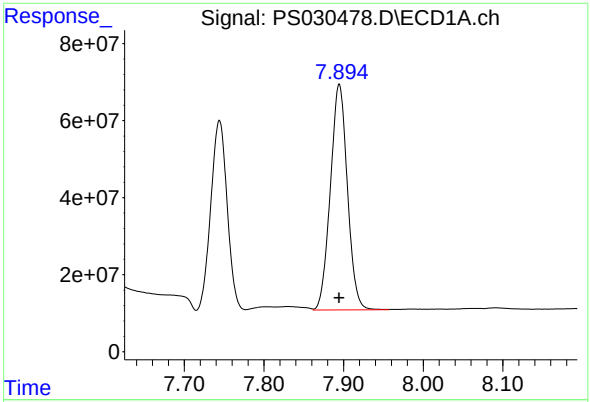
#6 MCPP

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



#6 MCPP

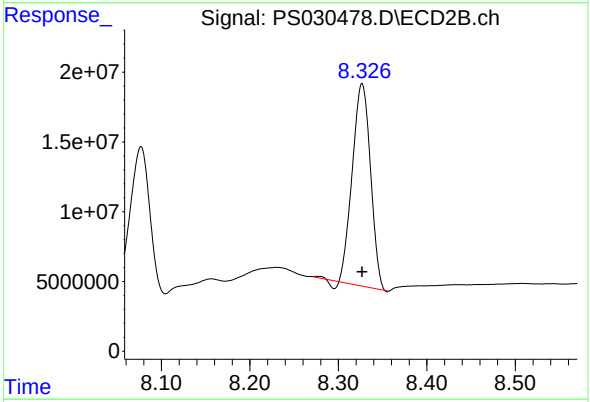
R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 161835619
Conc: 70.50 ug/ml



#7 MCPA

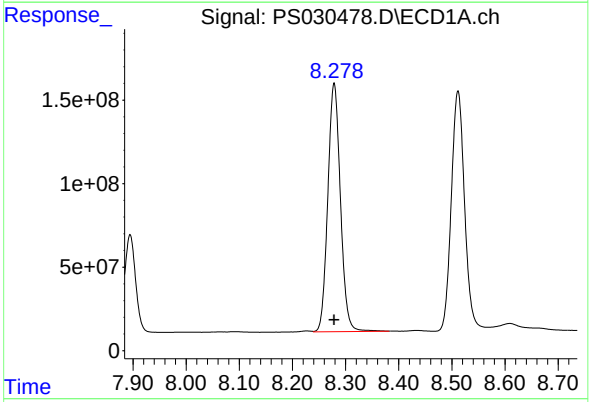
R.T.: 7.895 min
Delta R.T.: 0.000 min
Response: 870813338
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



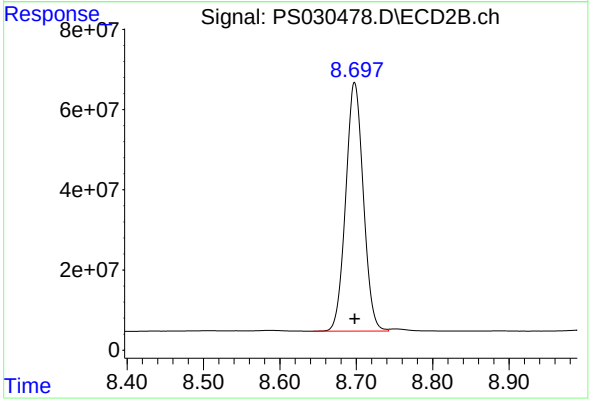
#7 MCPA

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



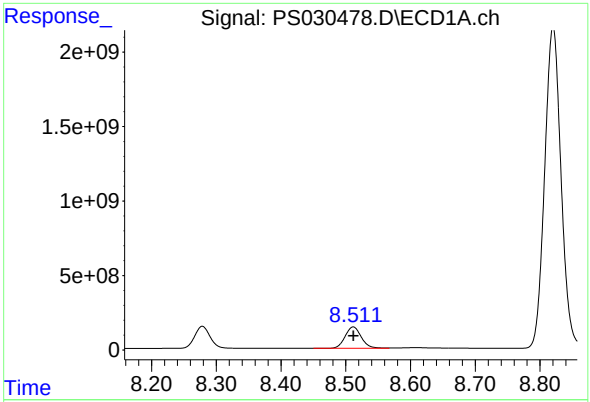
#8 DICHLORPROP

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



#8 DICHLORPROP

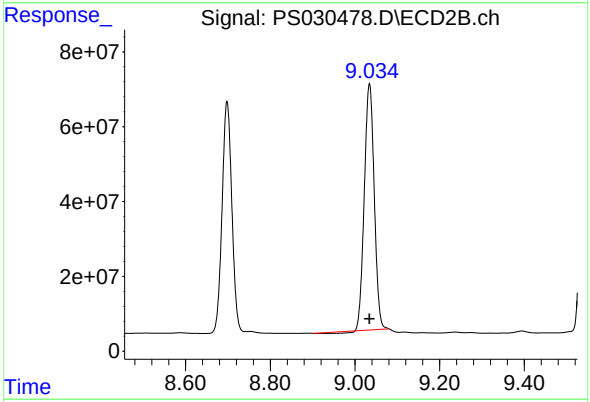
R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 996270230
Conc: 705.00 ng/ml



#9 2,4-D

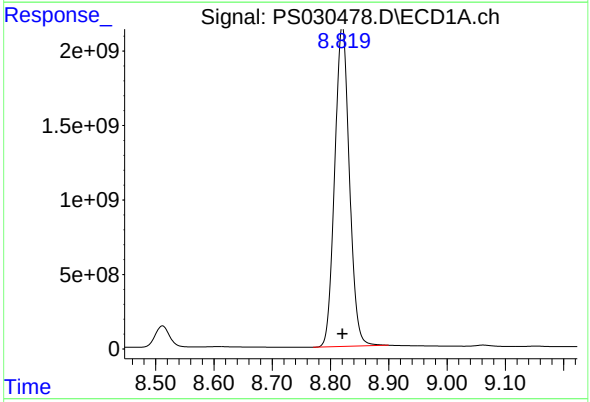
R.T.: 8.512 min
Delta R.T.: 0.000 min
Response: 2489789588
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



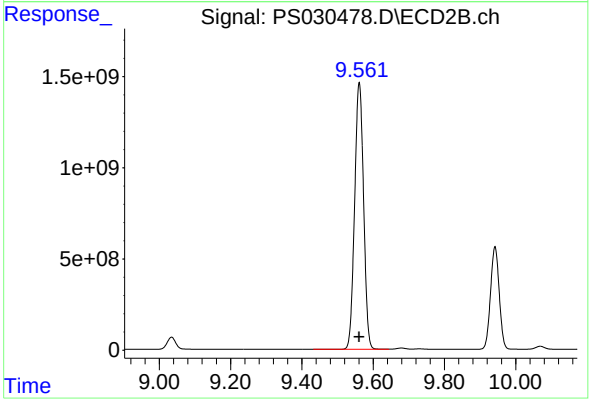
#9 2,4-D

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



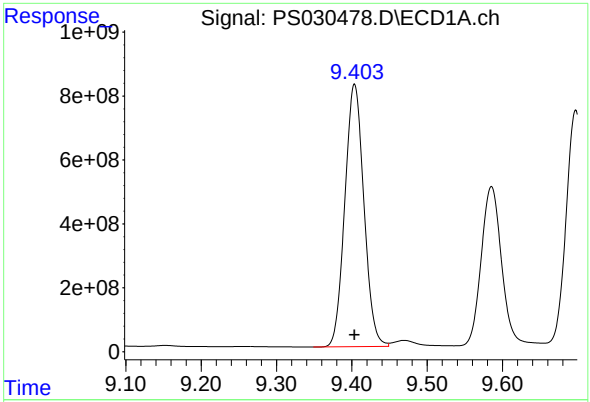
#10 Pentachlorophenol

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



#10 Pentachlorophenol

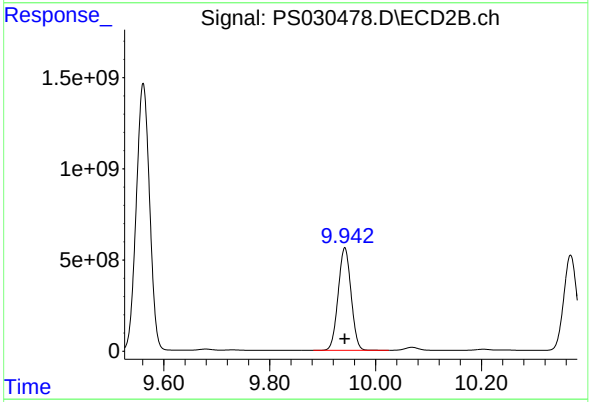
R.T.: 9.561 min
Delta R.T.: 0.000 min
Response: 25518689824
Conc: 712.50 ng/ml



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

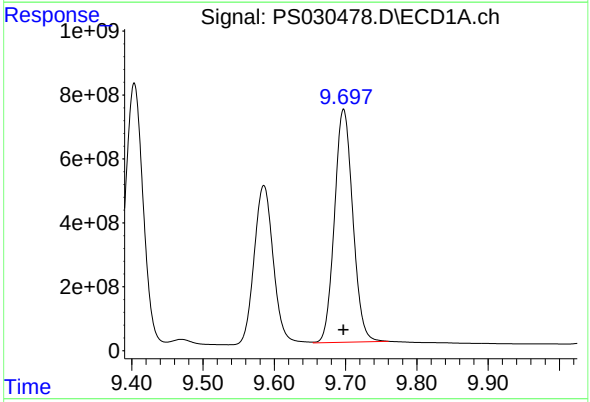
R.T.: 9.404 min
Delta R.T.: 0.000 min
Response: 14429853099
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



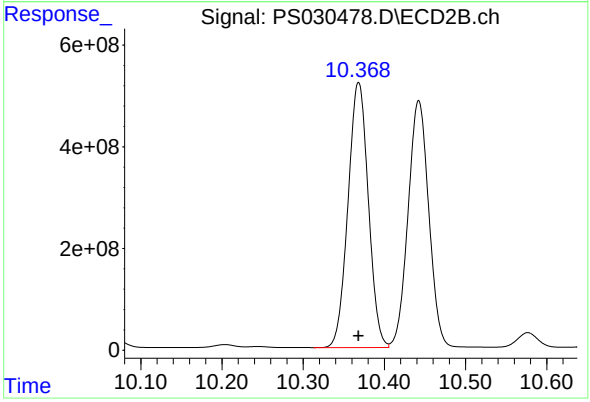
#11 2,4,5-TP (SILVEX)

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



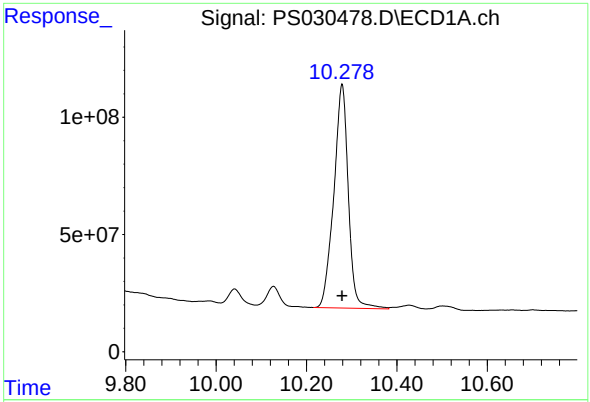
#12 2,4,5-T

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



#12 2,4,5-T

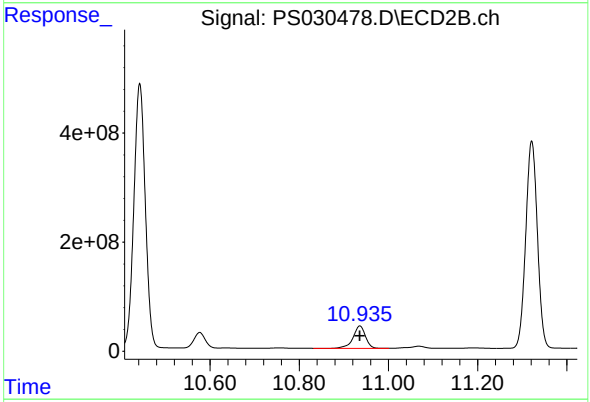
R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 9066309949
Conc: 712.50 ng/ml



#13 2,4-DB

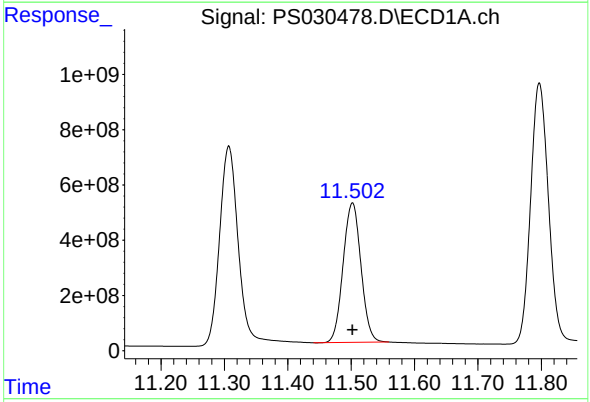
R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 2128667195
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



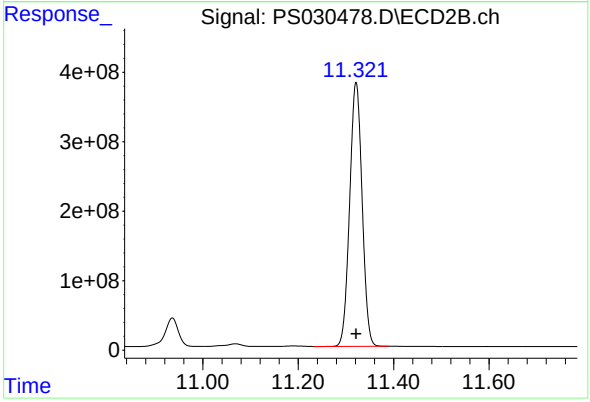
#13 2,4-DB

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



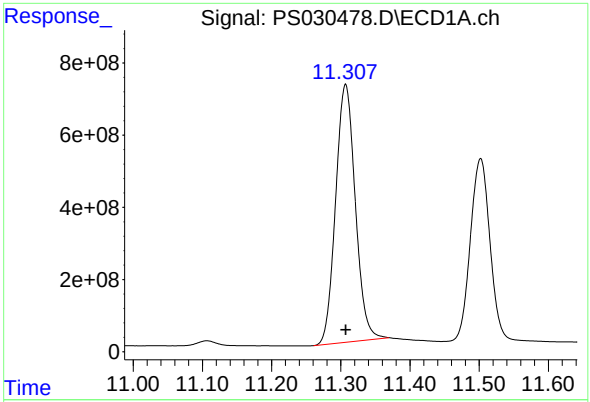
#14 DINOSEB

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



#14 DINOSEB

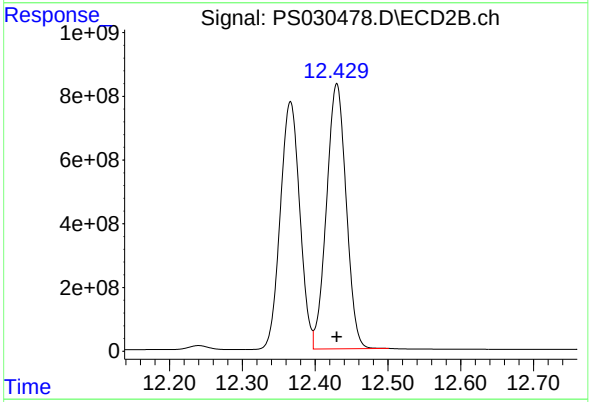
R.T.: 11.321 min
Delta R.T.: 0.000 min
Response: 6881704152
Conc: 705.00 ng/ml



#15 Picloram

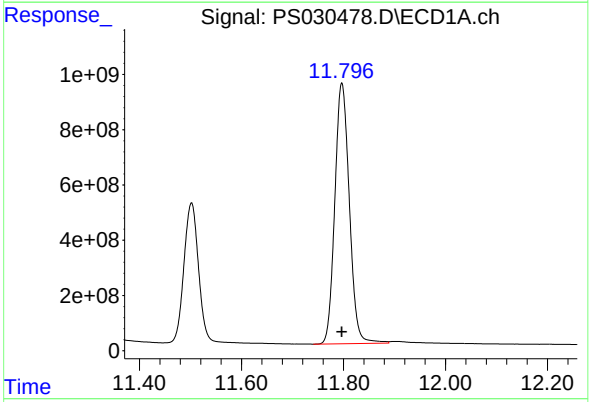
R.T.: 11.307 min
Delta R.T.: 0.000 min
Response: 14134321168
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



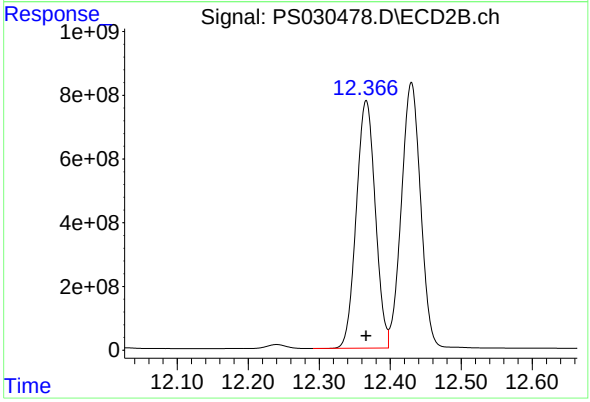
#15 Picloram

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 (Not Reviewed)

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

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	3885.7E6	997.0E6	1087.939	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

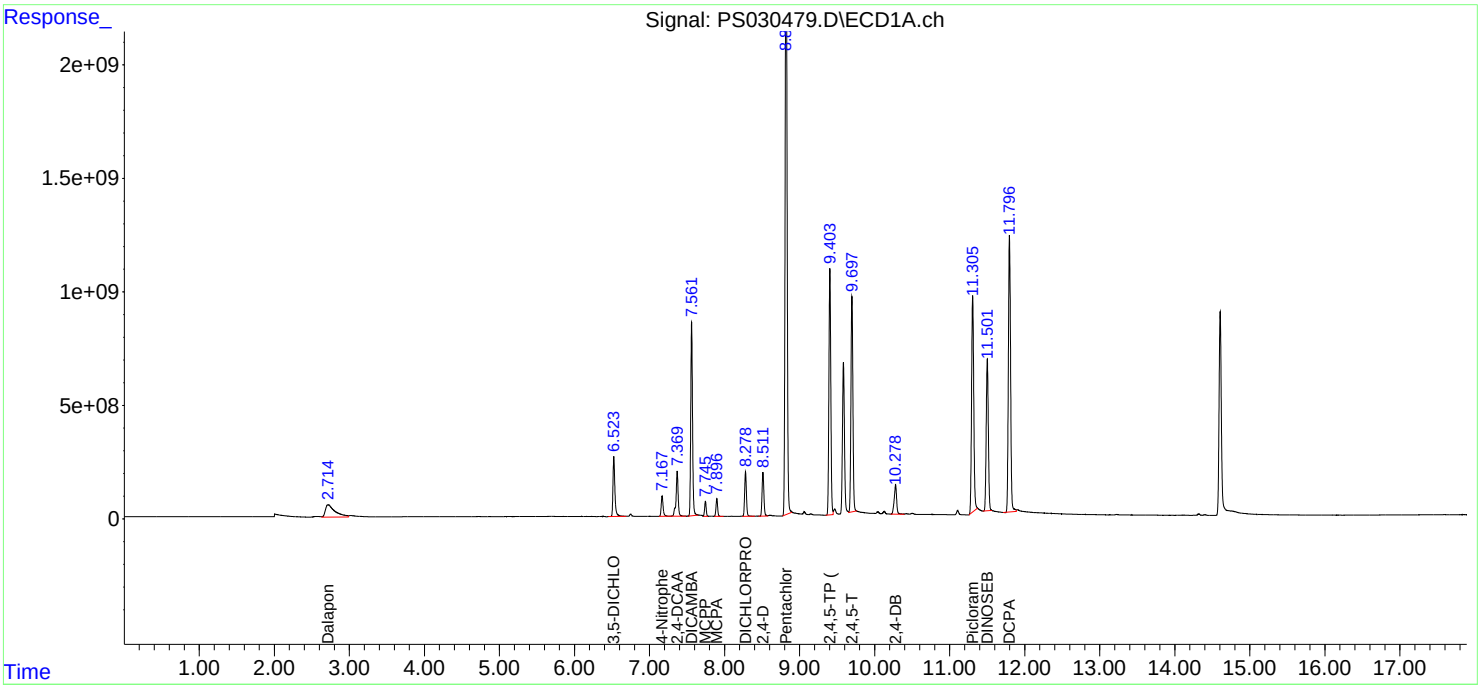
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

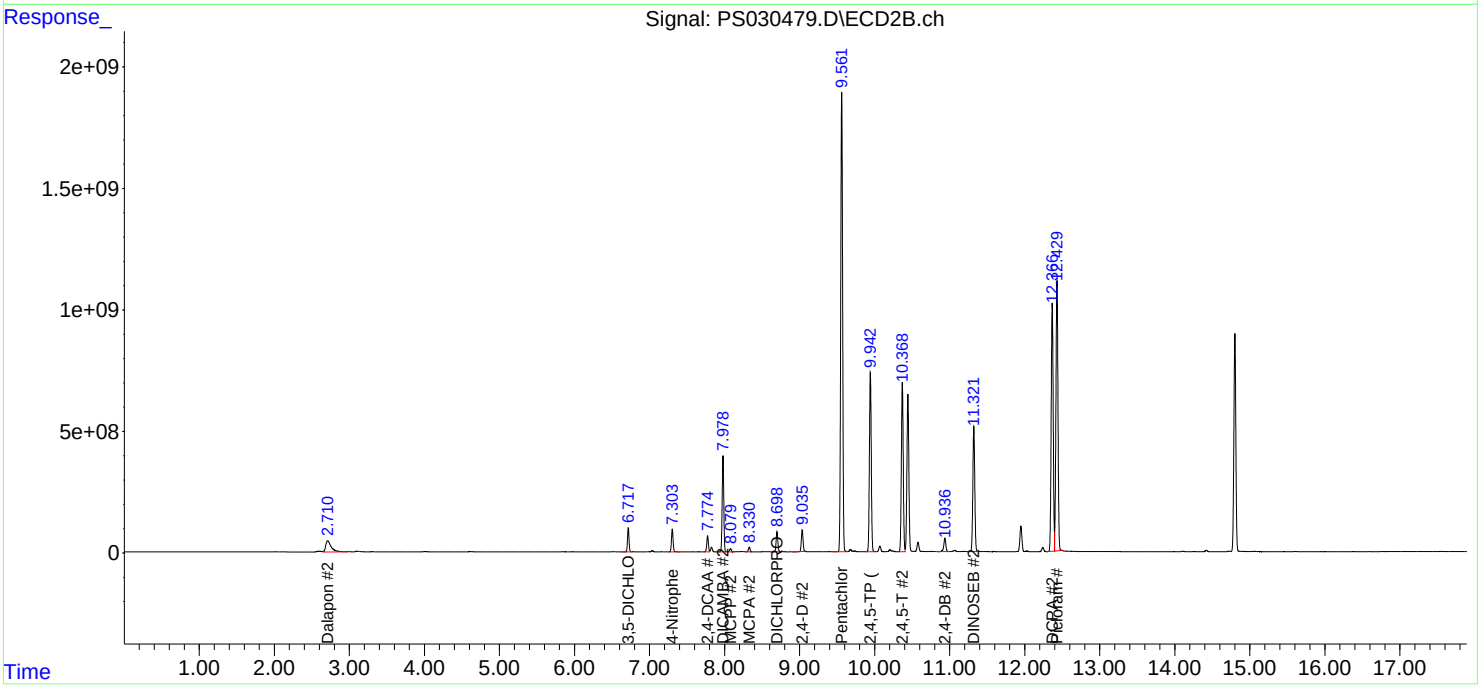
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:31
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

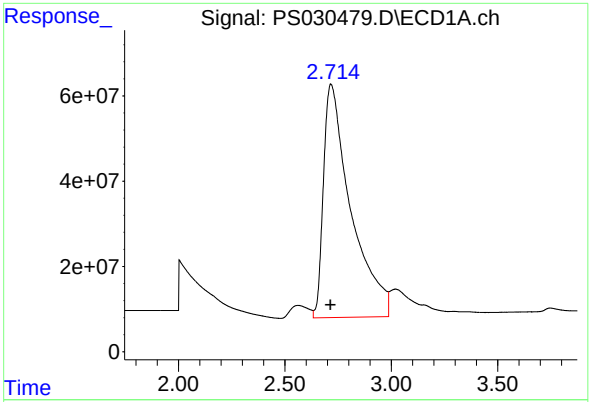
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

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 0.25µm



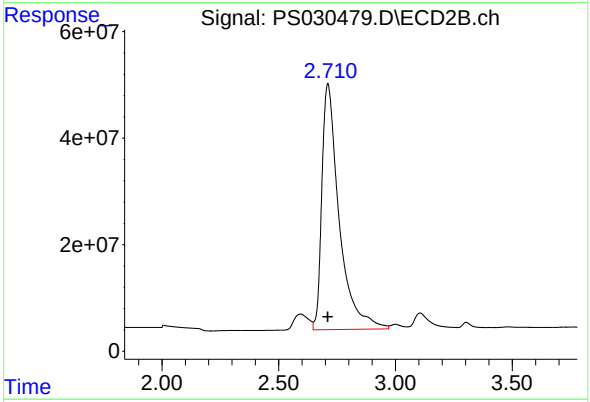




#1 Dalapon

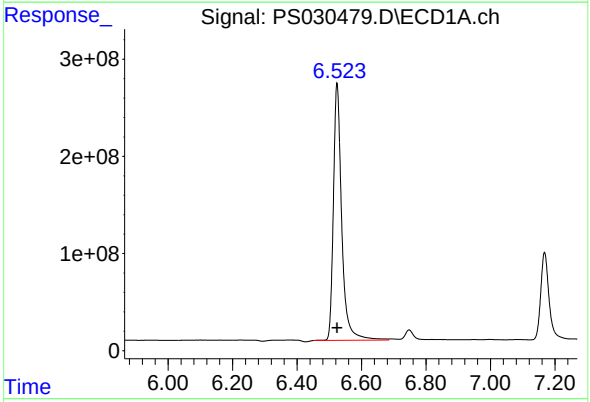
R.T.: 2.714 min
Delta R.T.: 0.000 min
Response: 4894191537
Conc: 907.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



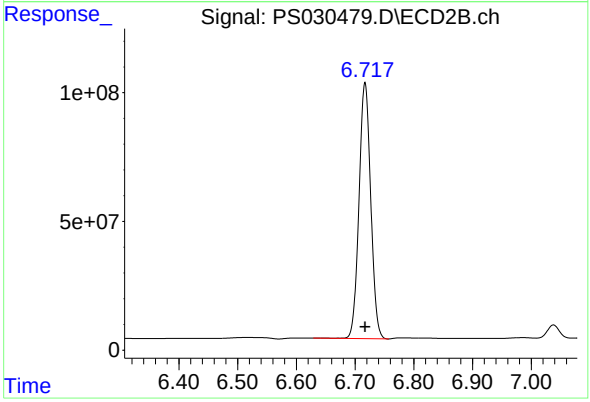
#1 Dalapon

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



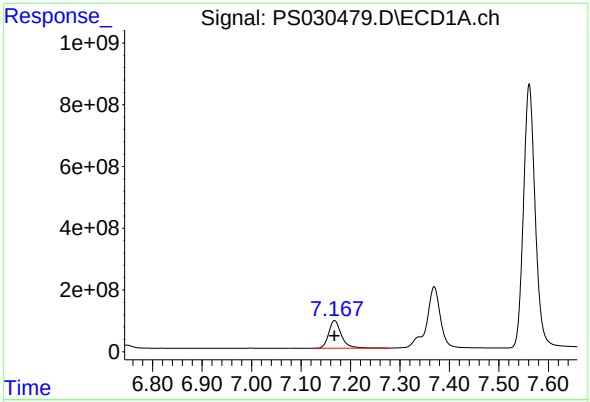
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

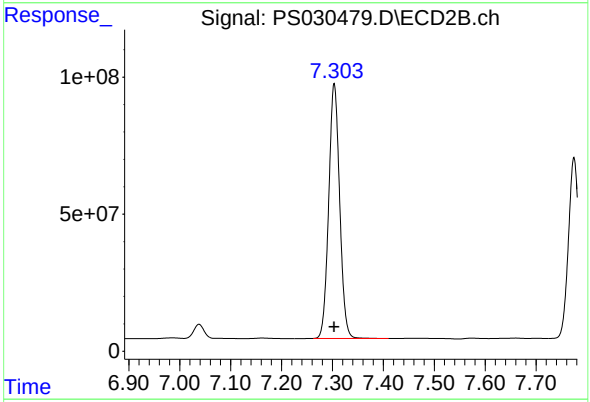
R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 1375885564
Conc: 925.04 ng/ml



#3 4-Nitrophenol

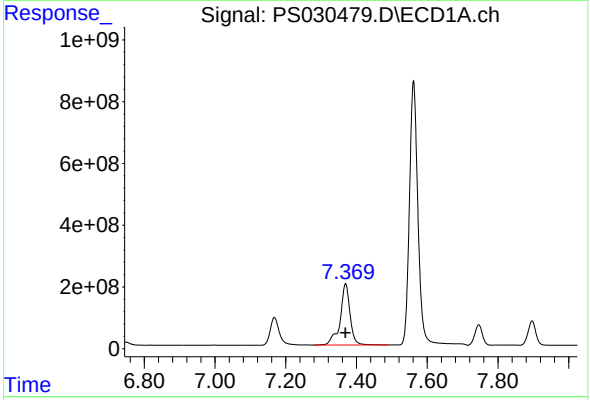
R.T.: 7.168 min
Delta R.T.: 0.000 min
Response: 1608081150
Conc: 909.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



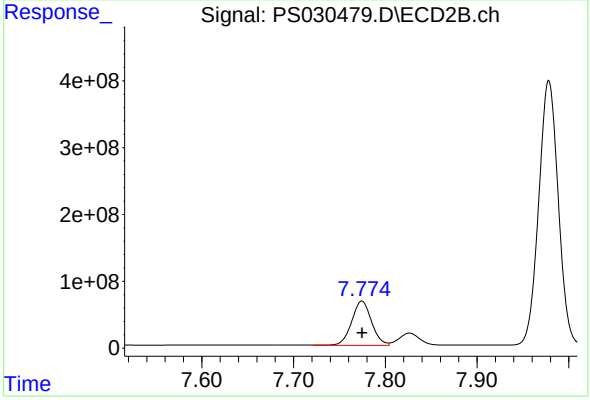
#3 4-Nitrophenol

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



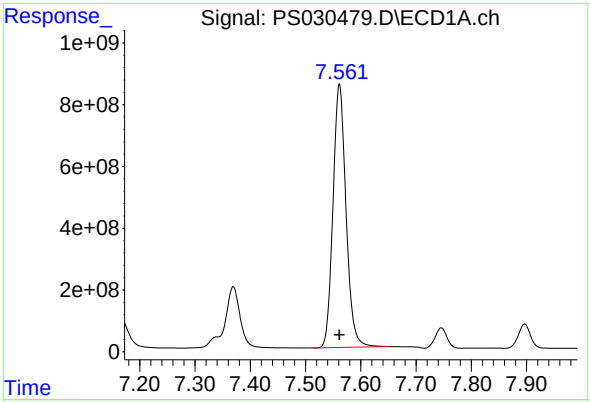
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 3885691976
Conc: 1087.94 ng/ml



#4 2,4-DCAA

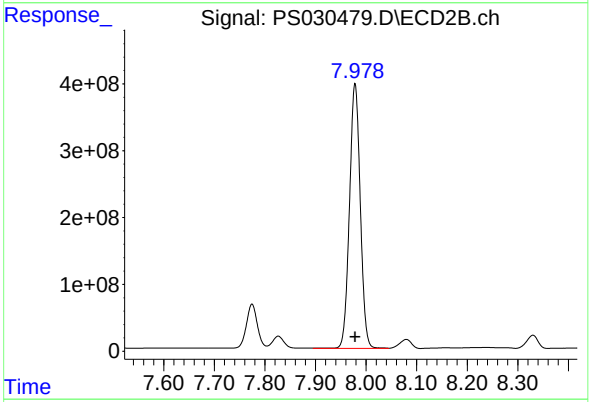
R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 997042457
Conc: 992.92 ng/ml



#5 DICAMBA

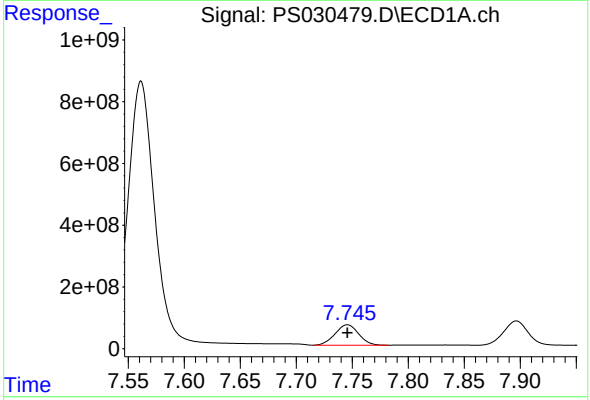
R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 13974550699
Conc: 936.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



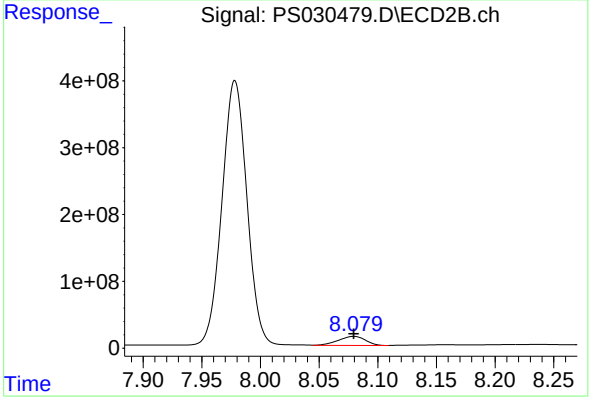
#5 DICAMBA

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



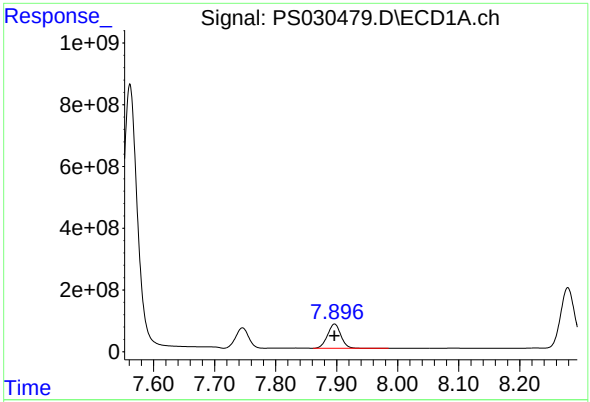
#6 MCPP

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



#6 MCPP

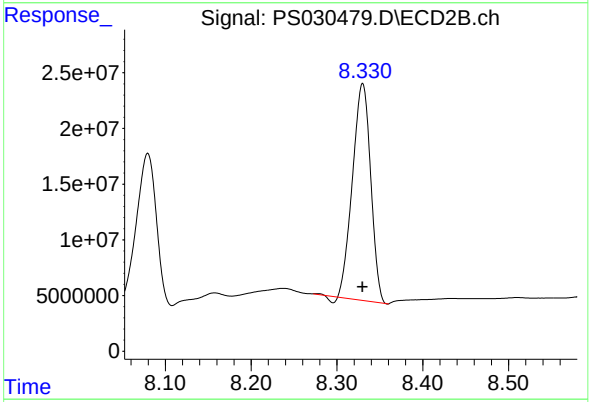
R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 220146729
Conc: 94.94 ug/ml



#7 MCPA

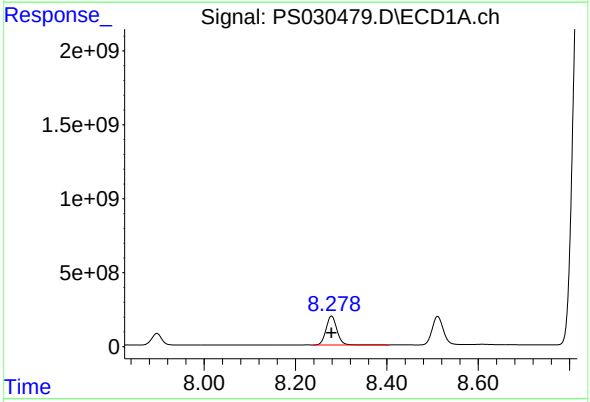
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 1187731889
Conc: 94.06 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



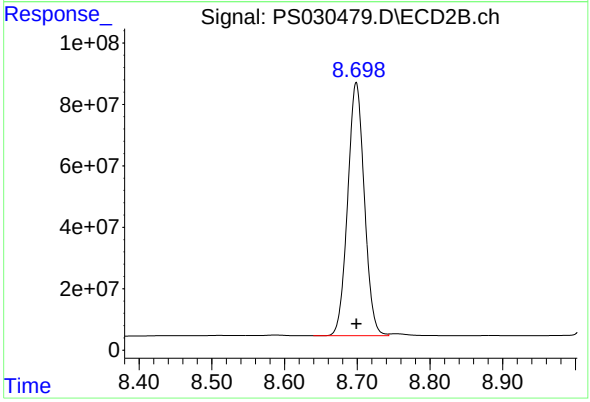
#7 MCPA

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



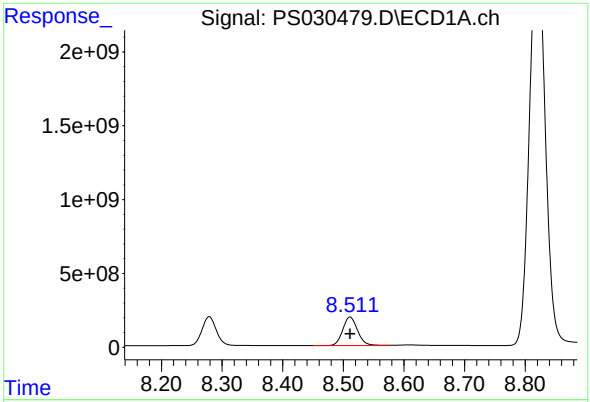
#8 DICHLORPROP

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



#8 DICHLORPROP

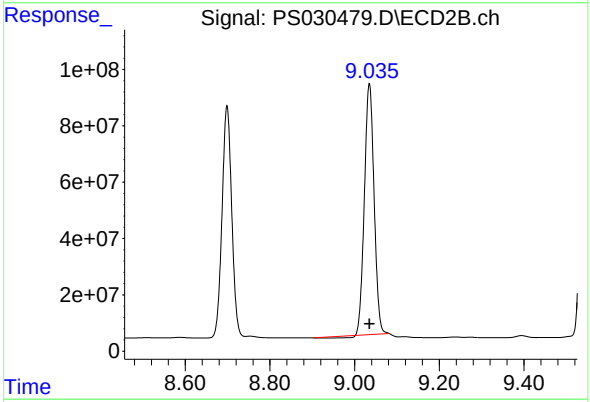
R.T.: 8.699 min
Delta R.T.: 0.000 min
Response: 1312037857
Conc: 934.19 ng/ml



#9 2,4-D

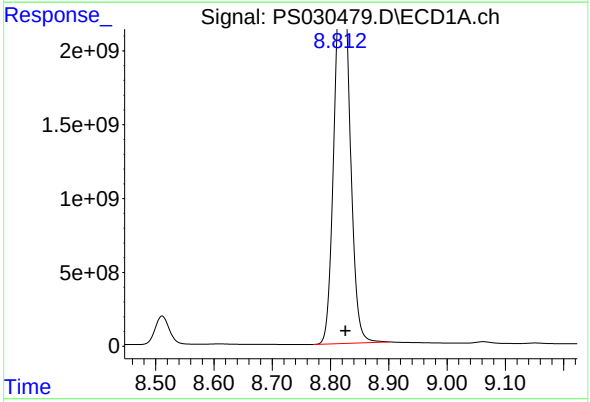
R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 3284741071
Conc: 935.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



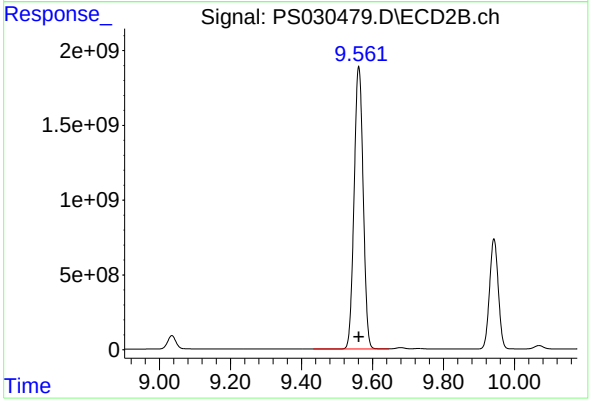
#9 2,4-D

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



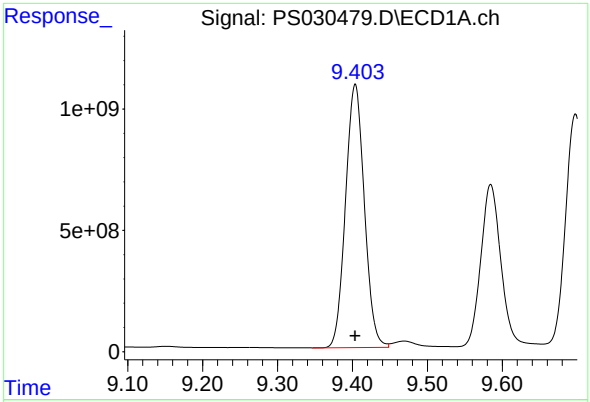
#10 Pentachlorophenol

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



#10 Pentachlorophenol

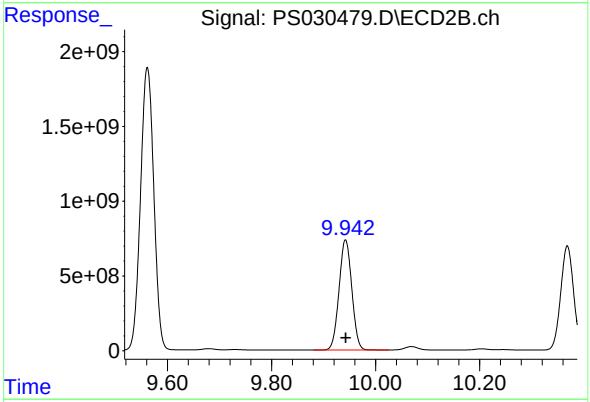
R.T.: 9.561 min
Delta R.T.: 0.000 min
Response: 33490448788
Conc: 942.48 ng/ml



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

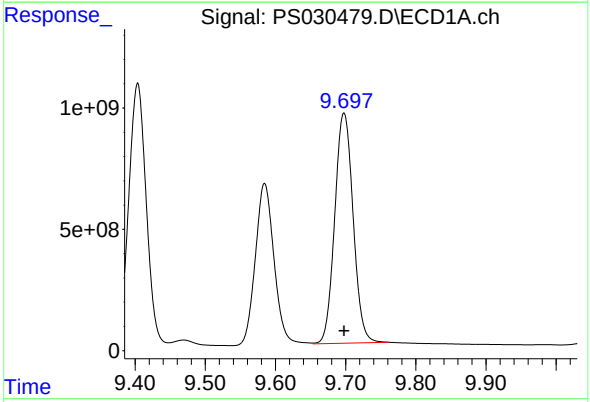
R.T.: 9.404 min
Delta R.T.: 0.000 min
Response: 18922946638
Conc: 942.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



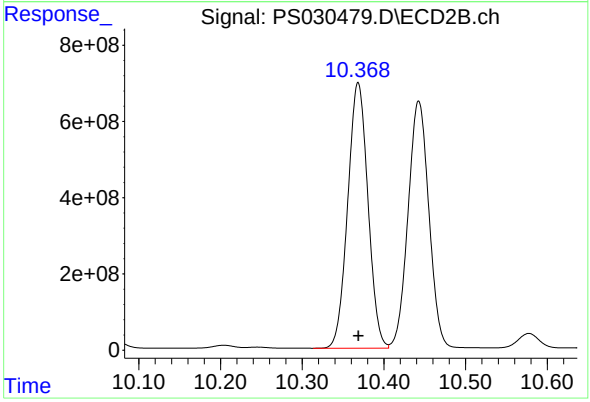
#11 2,4,5-TP (SILVEX)

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



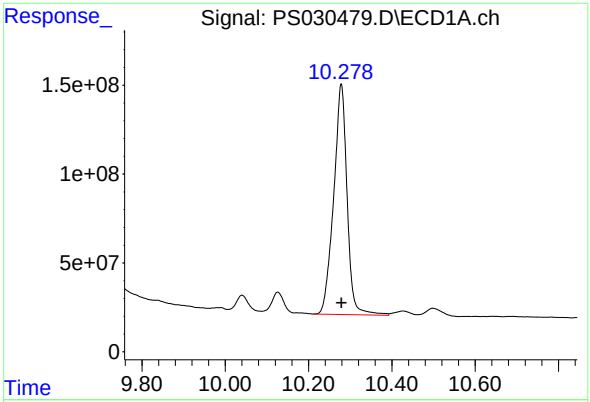
#12 2,4,5-T

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



#12 2,4,5-T

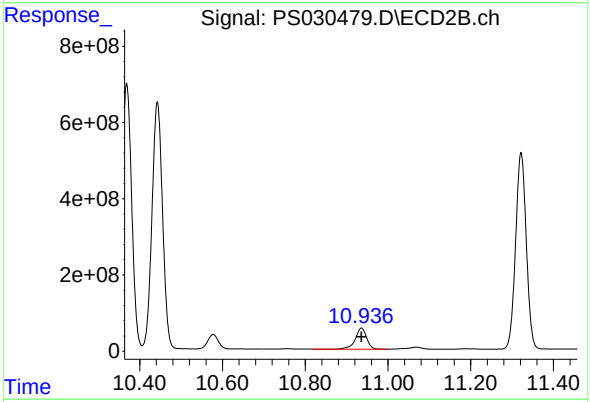
R.T.: 10.369 min
Delta R.T.: 0.000 min
Response: 11981320543
Conc: 945.77 ng/ml



#13 2,4-DB

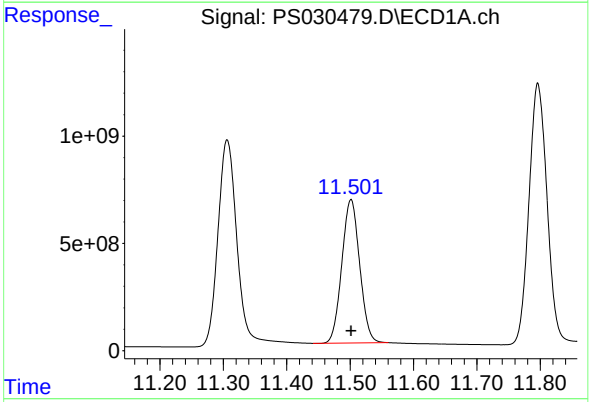
R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 2902395028
Conc: 960.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



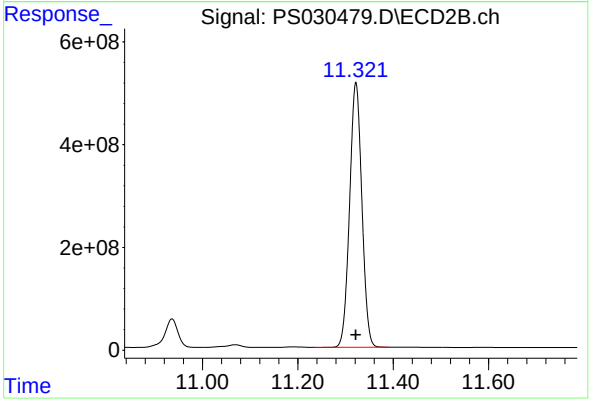
#13 2,4-DB

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



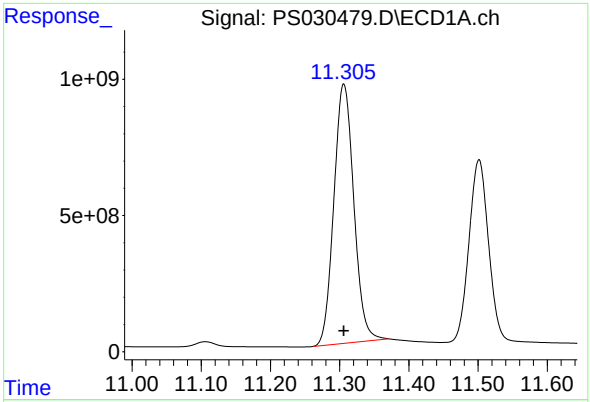
#14 DINOSEB

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



#14 DINOSEB

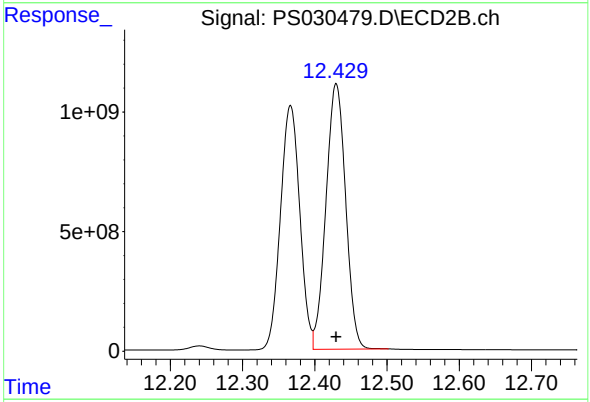
R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 9197295147
Conc: 941.11 ng/ml



#15 Picloram

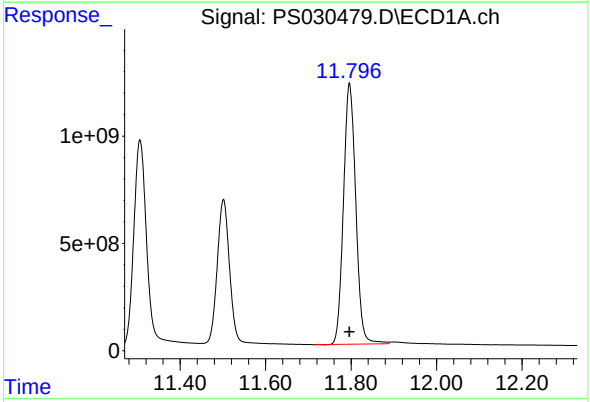
R.T.: 11.306 min
Delta R.T.: 0.000 min
Response: 19105824198
Conc: 956.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



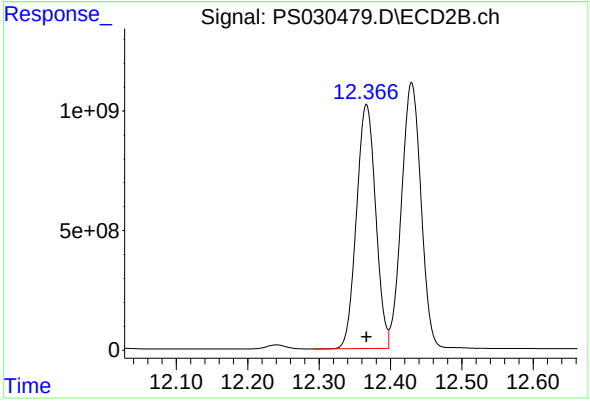
#15 Picloram

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 (Not Reviewed)

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

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	5548.1E6	1442.5E6	1474.512	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	430.7E6	141.023	139.380
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.

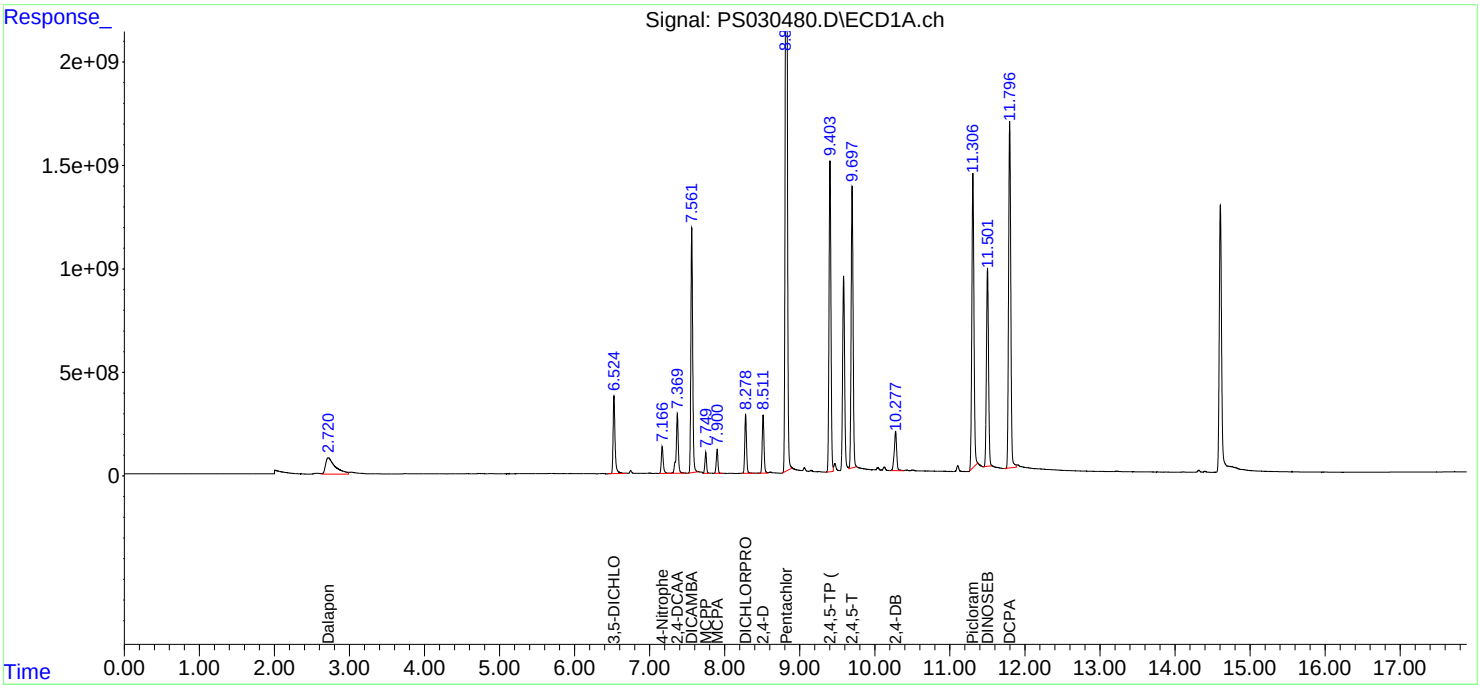
Quantitation Report (Not Reviewed)

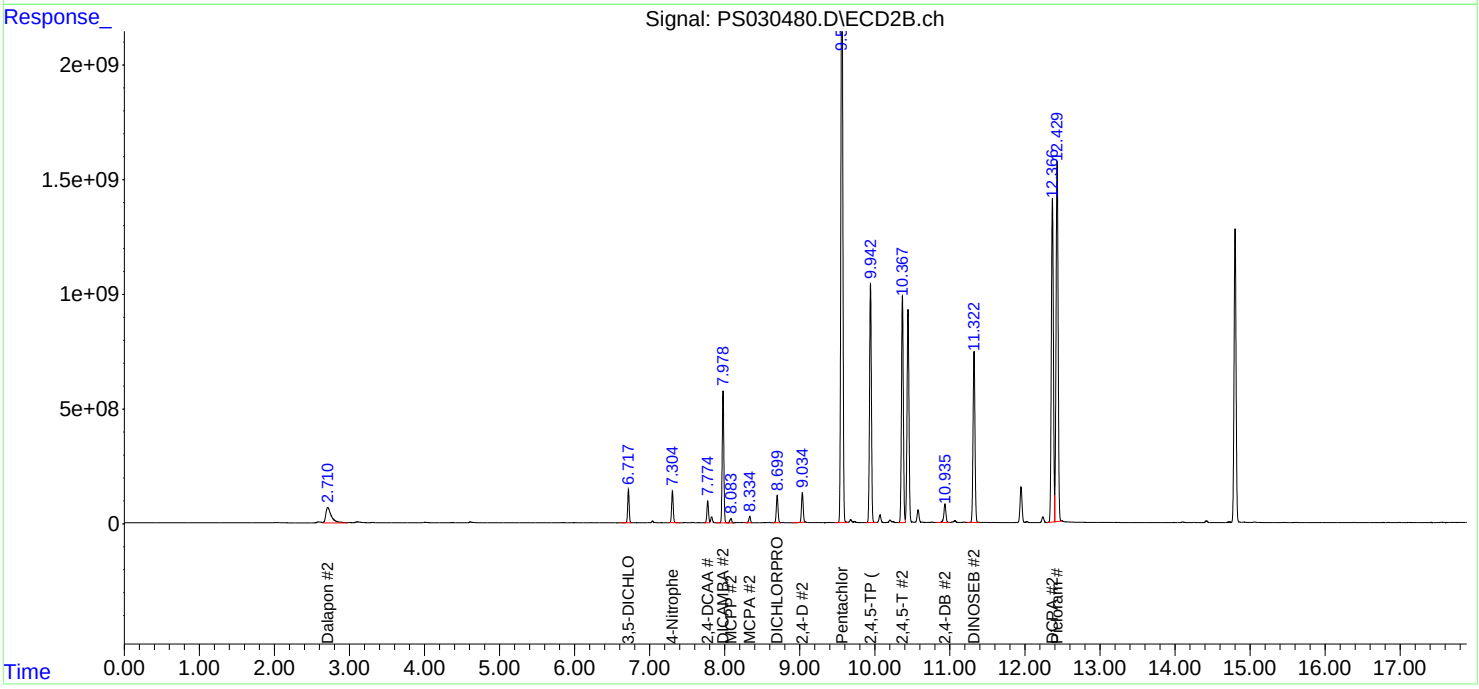
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:55
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

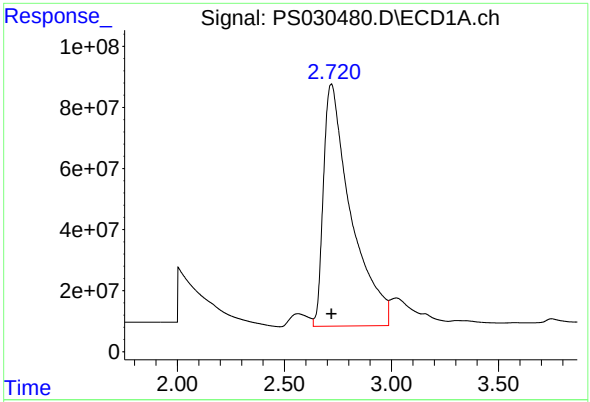
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

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 0.25µm



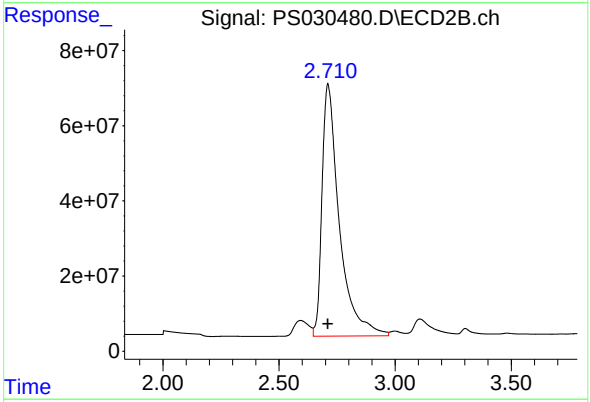




#1 Dalapon

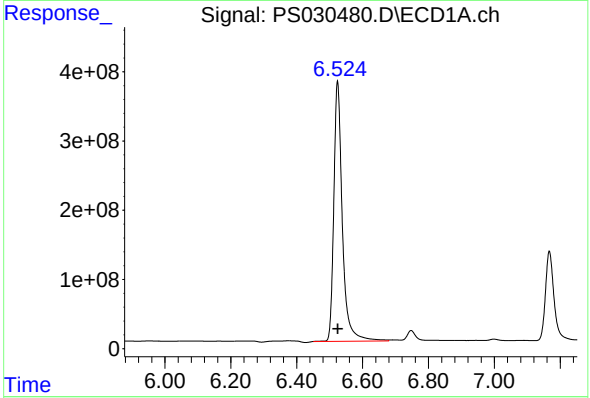
R.T.: 2.720 min
Delta R.T.: 0.000 min
Response: 7077278651
Conc: 1253.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



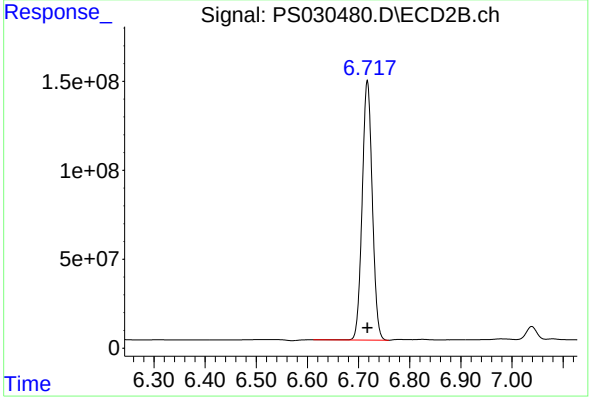
#1 Dalapon

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



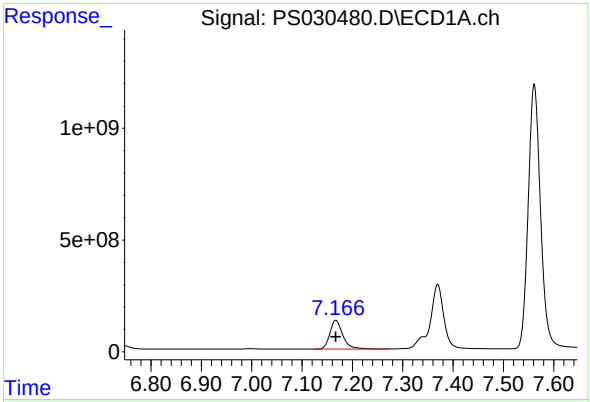
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

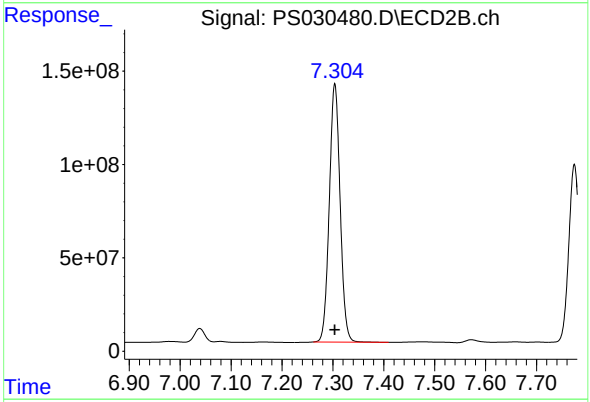
R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 1999910908
Conc: 1278.51 ng/ml



#3 4-Nitrophenol

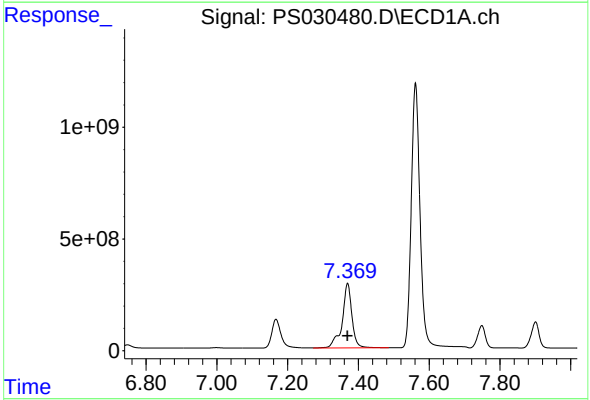
R.T.: 7.167 min
Delta R.T.: 0.000 min
Response: 2318592798
Conc: 1264.40 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



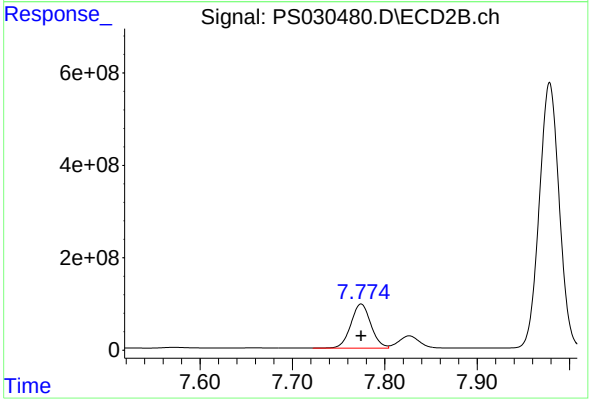
#3 4-Nitrophenol

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



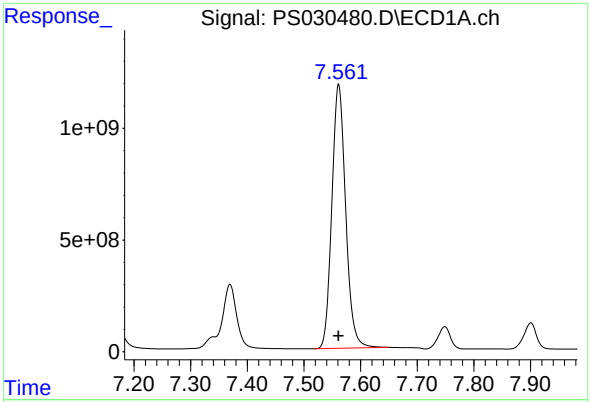
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 5548101698
Conc: 1474.51 ng/ml



#4 2,4-DCAA

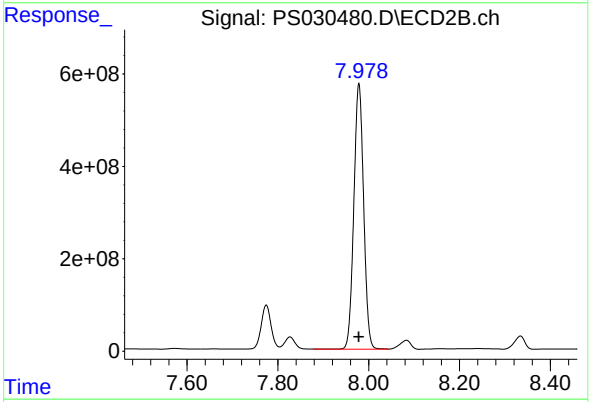
R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 1442451493
Conc: 1341.05 ng/ml



#5 DICAMBA

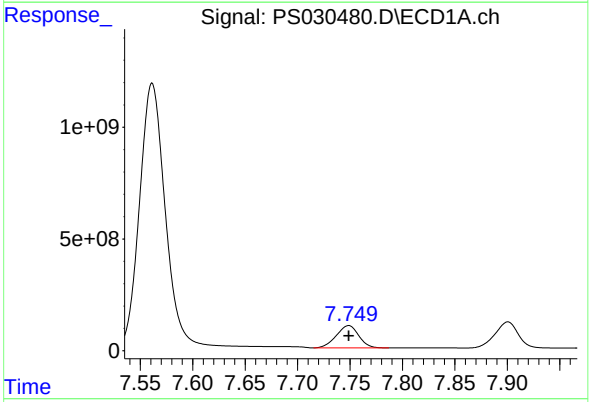
R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 19988929155
Conc: 1296.09 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



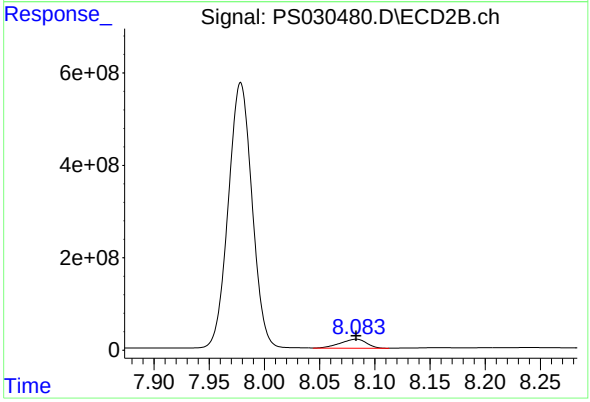
#5 DICAMBA

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



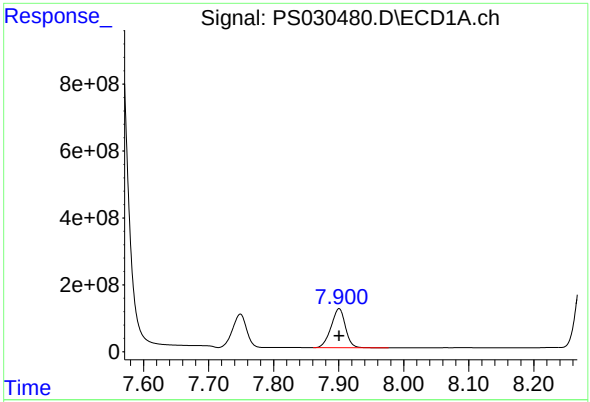
#6 MCPP

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



#6 MCPP

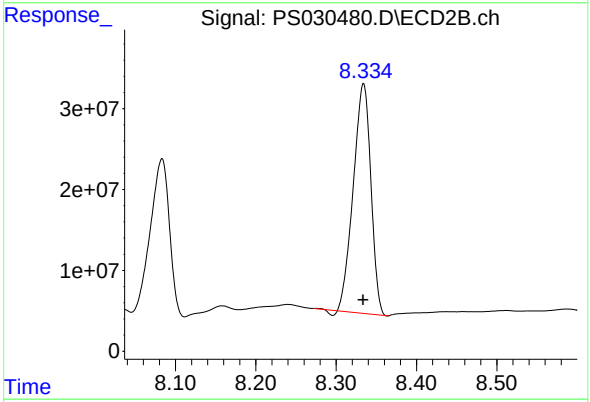
R.T.: 8.083 min
Delta R.T.: 0.000 min
Response: 327146473
Conc: 141.52 ug/ml



#7 MCPA

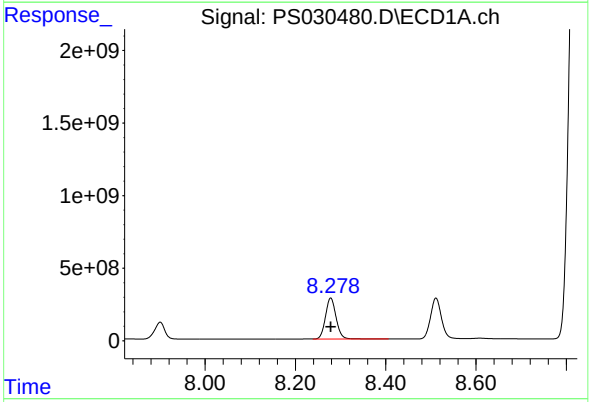
R.T.: 7.901 min
Delta R.T.: 0.000 min
Response: 1789492554
Conc: 141.02 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



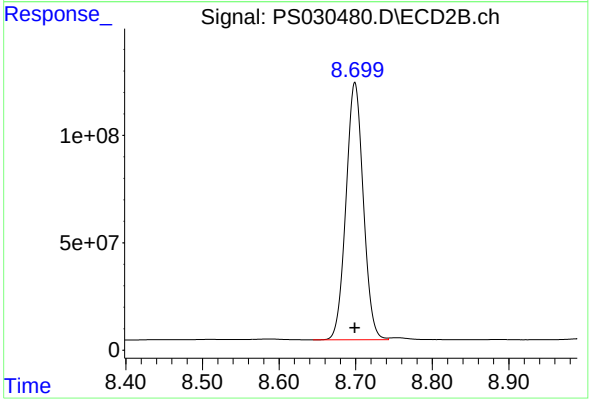
#7 MCPA

R.T.: 8.334 min
Delta R.T.: 0.000 min
Response: 430746002
Conc: 139.38 ug/ml



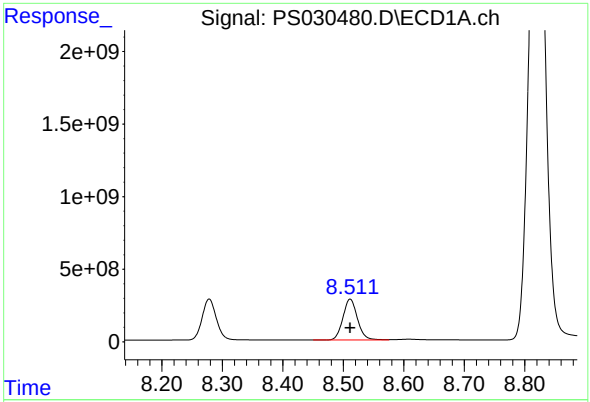
#8 DICHLORPROP

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



#8 DICHLORPROP

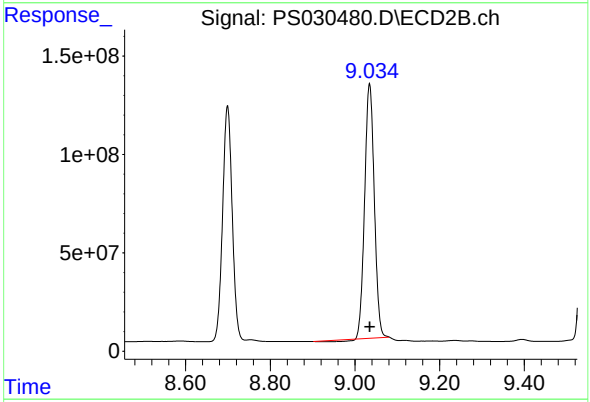
R.T.: 8.699 min
Delta R.T.: 0.000 min
Response: 1892253090
Conc: 1274.93 ng/ml



#9 2,4-D

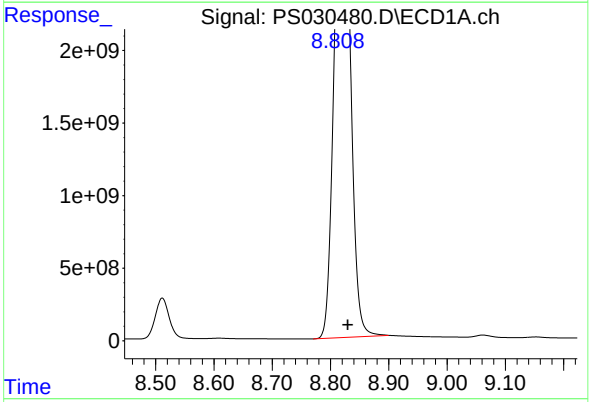
R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 4698897307
Conc: 1289.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



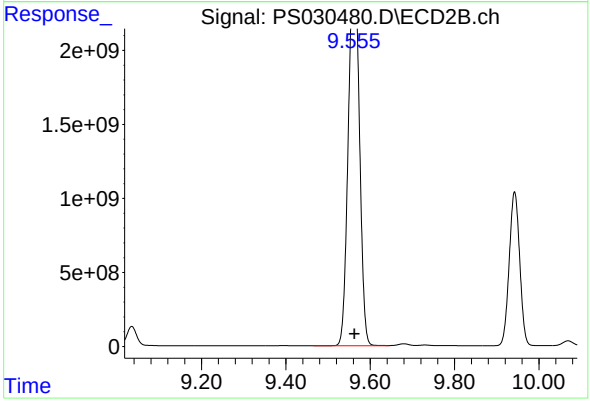
#9 2,4-D

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



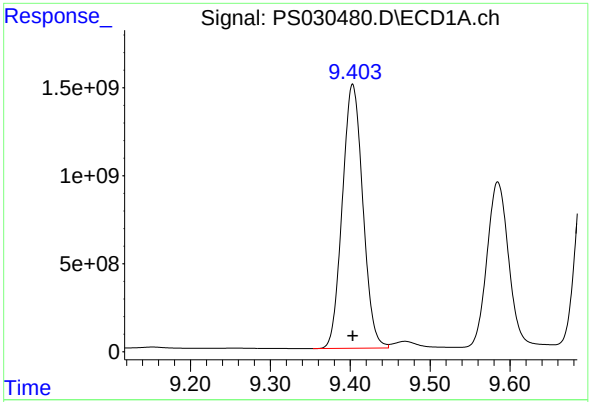
#10 Pentachlorophenol

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



#10 Pentachlorophenol

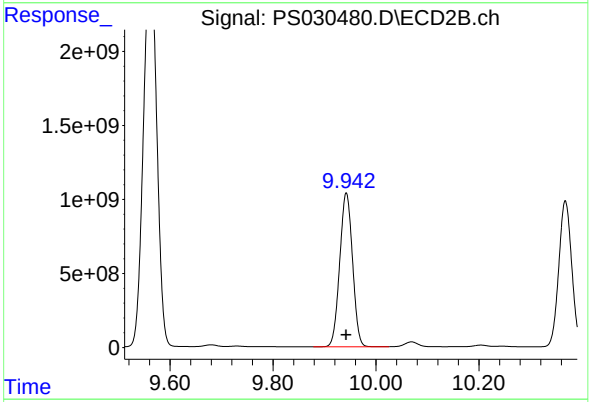
R.T.: 9.563 min
Delta R.T.: 0.000 min
Response: 44299685584
Conc: 1225.85 ng/ml



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

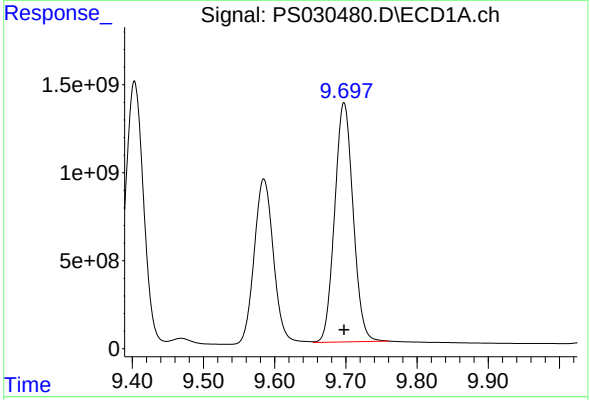
R.T.: 9.403 min
Delta R.T.: 0.000 min
Response: 26760643441
Conc: 1294.97 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



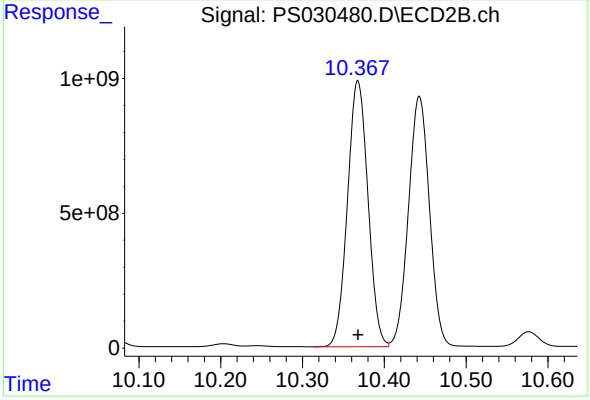
#11 2,4,5-TP (SILVEX)

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



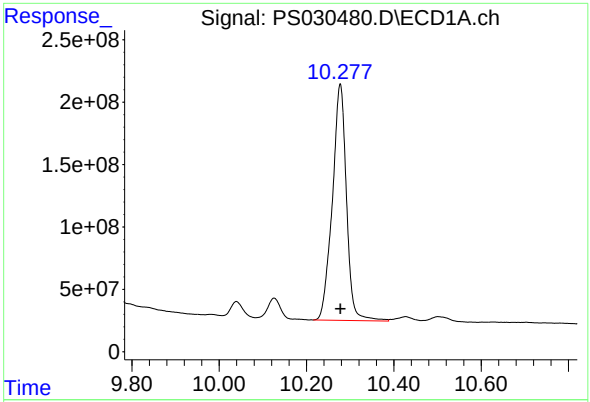
#12 2,4,5-T

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



#12 2,4,5-T

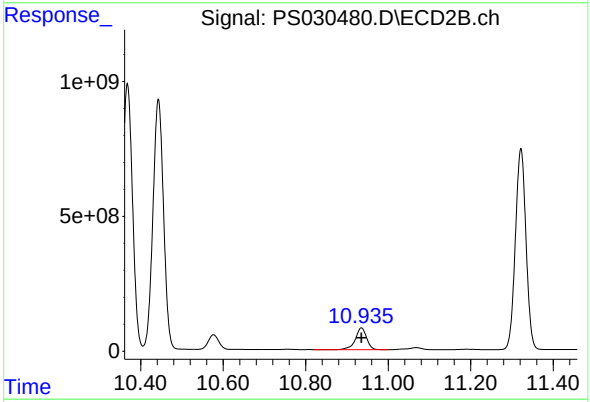
R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 17161639918
Conc: 1314.35 ng/ml



#13 2,4-DB

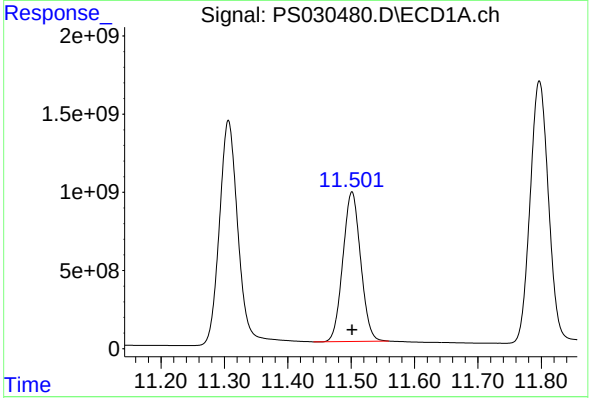
R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 4249534275
Conc: 1399.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



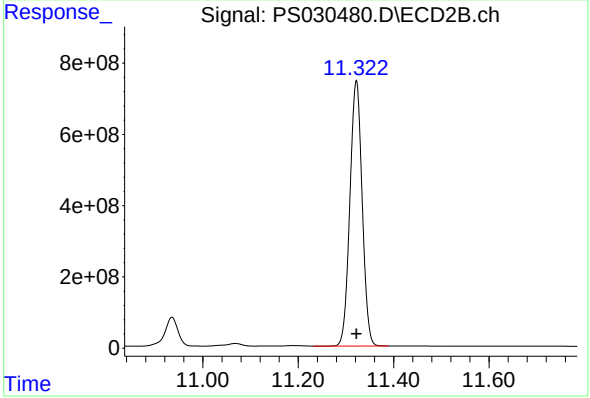
#13 2,4-DB

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



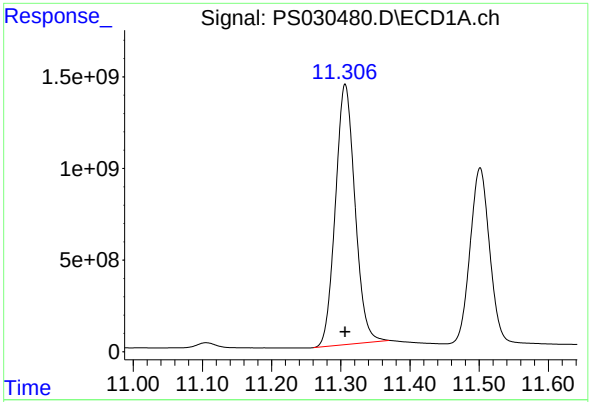
#14 DINOSEB

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



#14 DINOSEB

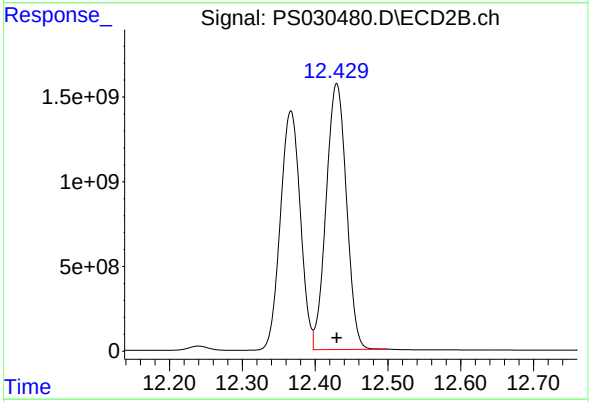
R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 13281702152
Conc: 1321.55 ng/ml



#15 Picloram

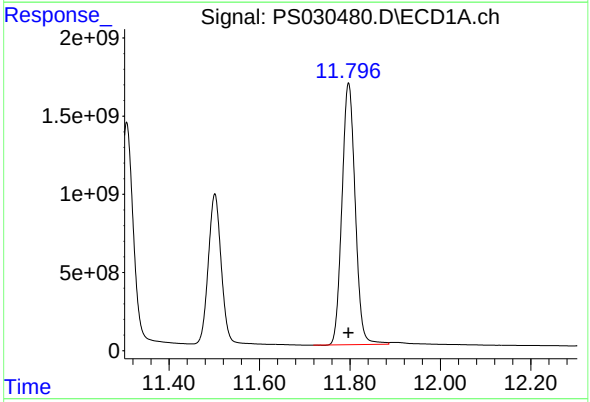
R.T.: 11.306 min
Delta R.T.: 0.000 min
Response: 27906504504
Conc: 1394.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



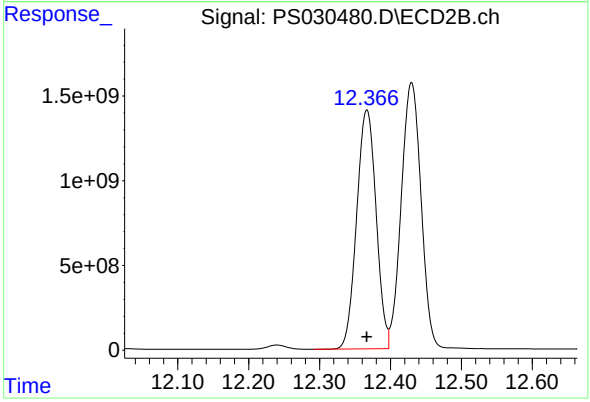
#15 Picloram

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 (Not Reviewed)

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

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	7.371	7.771	3020.1E6	744.7E6	800.005	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.

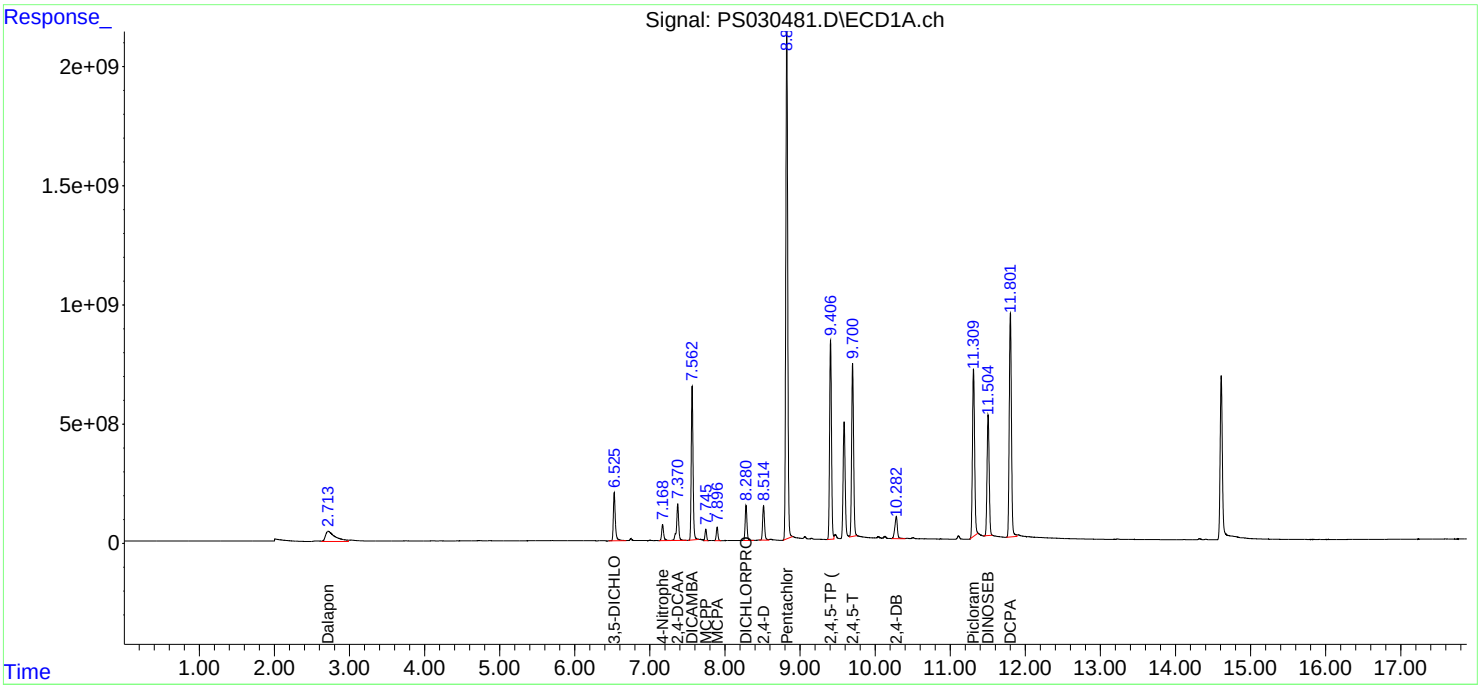
Quantitation Report (Not Reviewed)

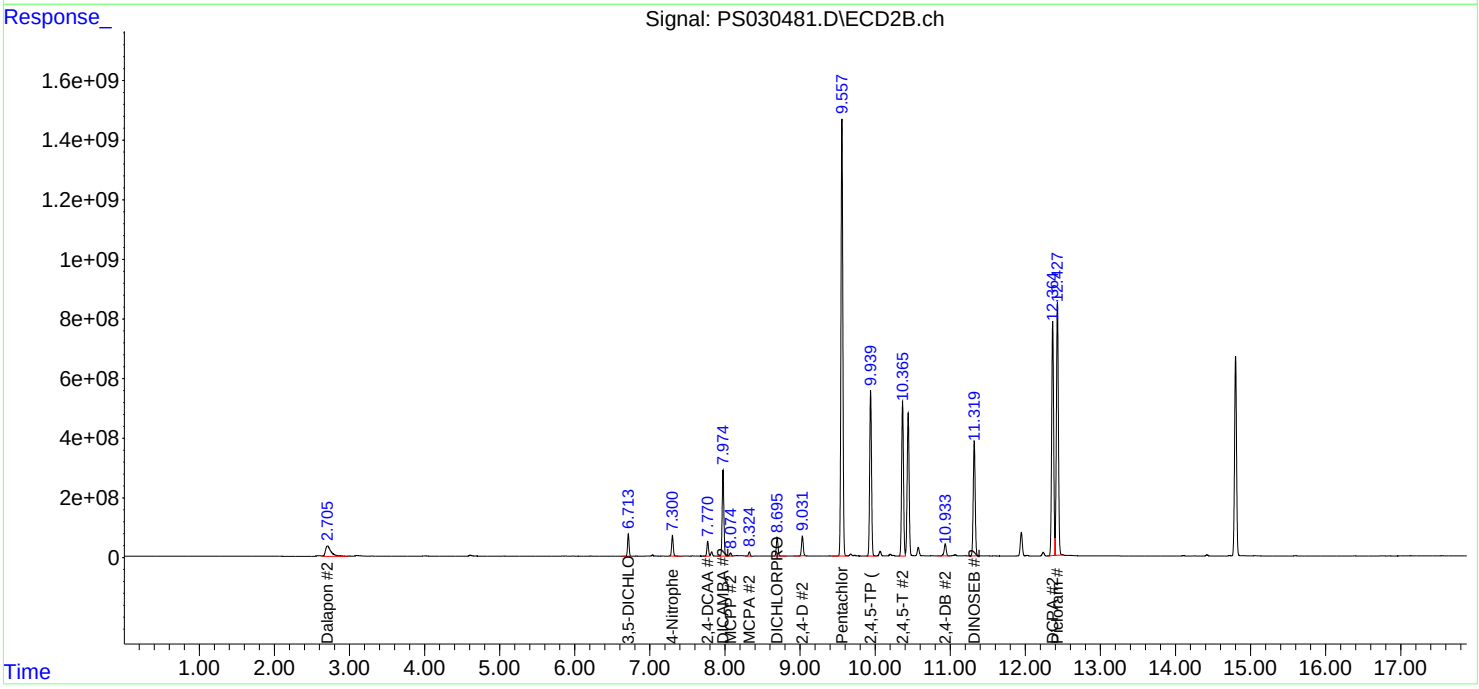
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 13:35
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

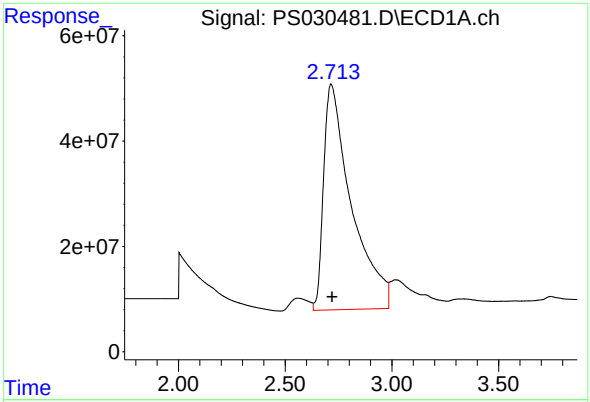
Instrument :
ECD_S
ClientSampleId :
ICVPS060425

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 0.25µm



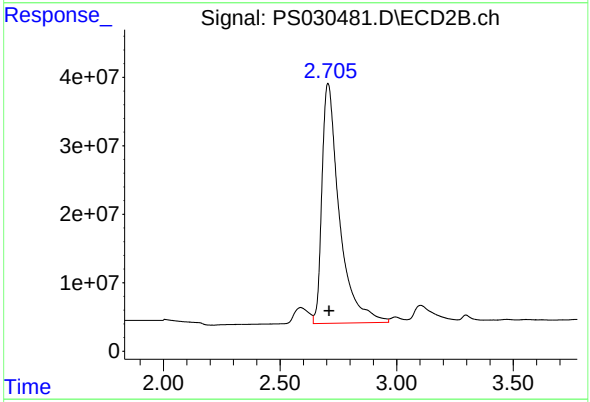




#1 Dalapon

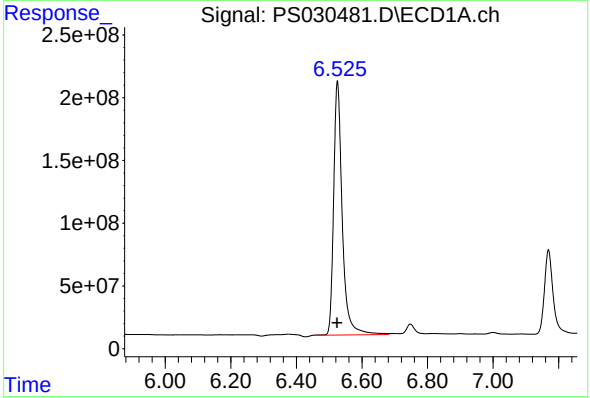
R.T.: 2.714 min
Delta R.T.: -0.006 min
Response: 3877503909
Conc: 686.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425



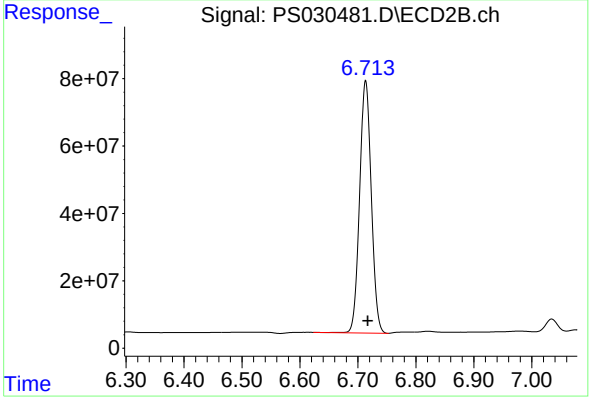
#1 Dalapon

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



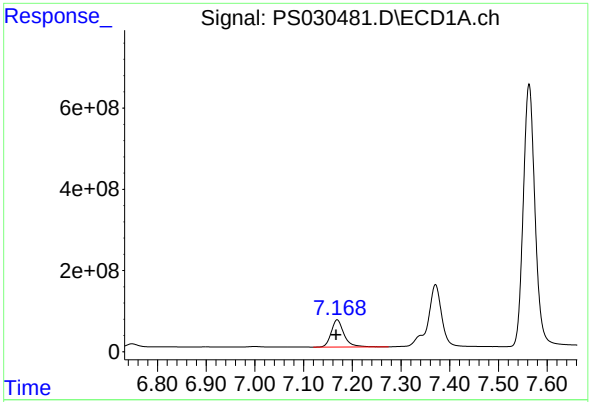
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

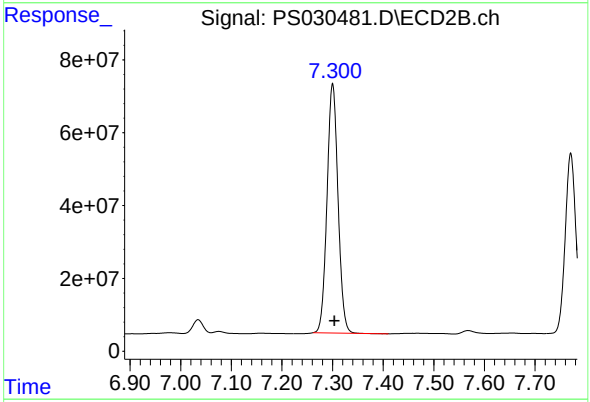
R.T.: 6.713 min
Delta R.T.: -0.004 min
Response: 1043556693
Conc: 667.13 ng/ml



#3 4-Nitrophenol

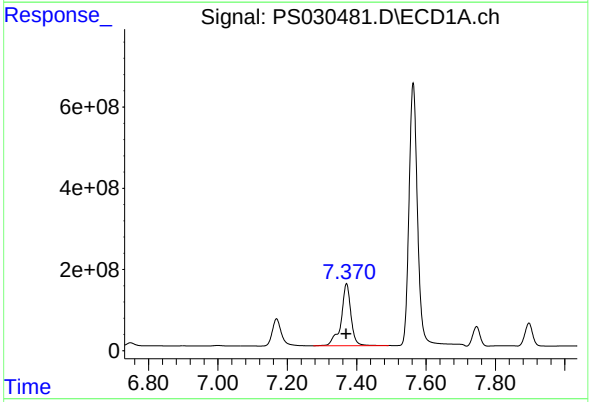
R.T.: 7.169 min
Delta R.T.: 0.002 min
Response: 1225819458
Conc: 668.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425



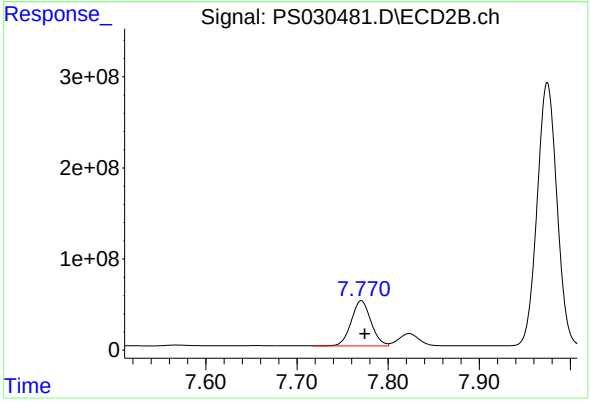
#3 4-Nitrophenol

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



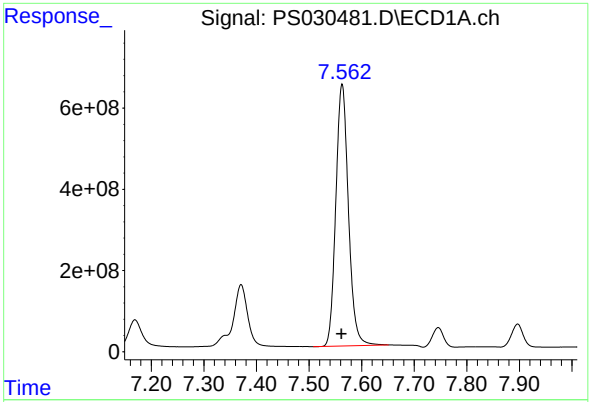
#4 2,4-DCAA

R.T.: 7.371 min
Delta R.T.: 0.002 min
Response: 3020133604
Conc: 800.00 ng/ml



#4 2,4-DCAA

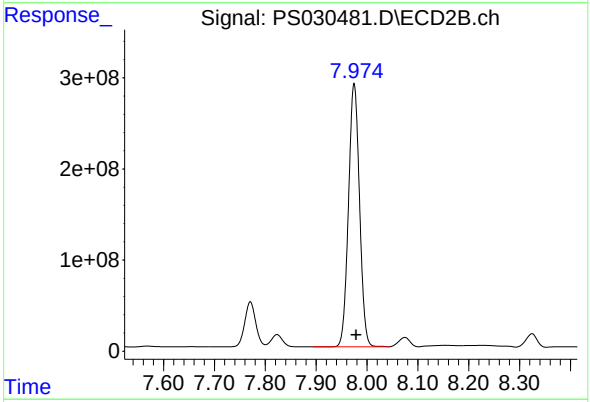
R.T.: 7.771 min
Delta R.T.: -0.004 min
Response: 744726314
Conc: 692.38 ng/ml



#5 DICAMBA

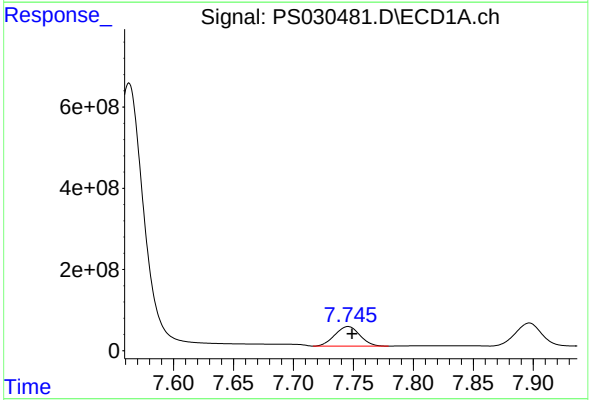
R.T.: 7.563 min
Delta R.T.: 0.002 min
Response: 10727256402
Conc: 695.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425



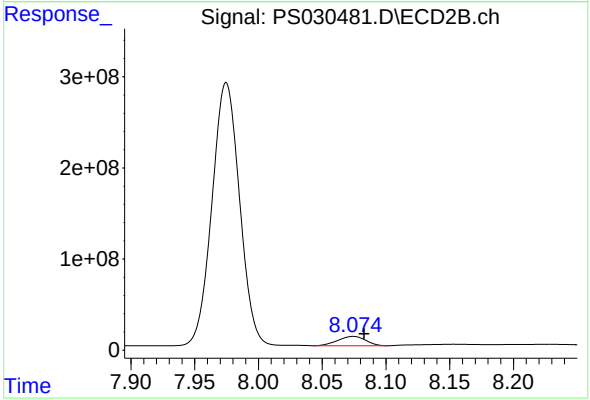
#5 DICAMBA

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



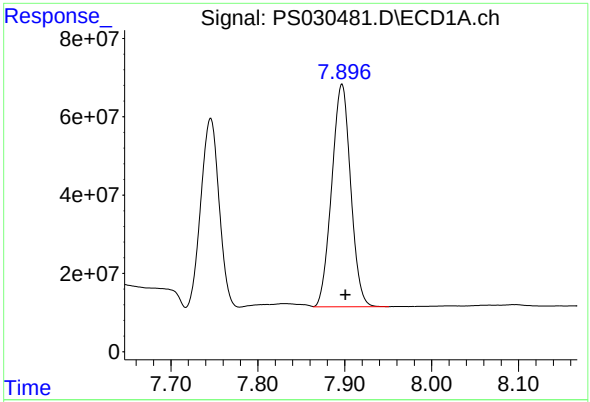
#6 MCPP

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



#6 MCPP

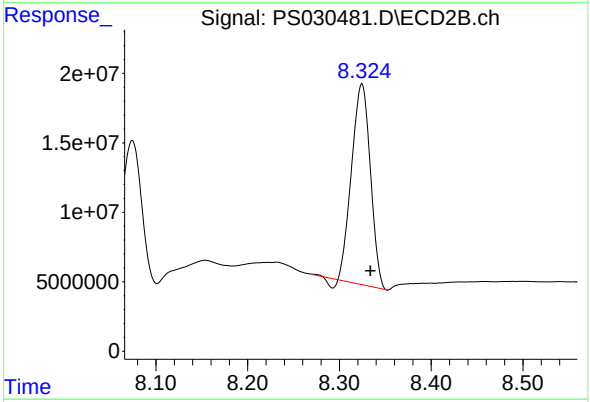
R.T.: 8.074 min
Delta R.T.: -0.009 min
Response: 157396923
Conc: 68.09 ug/ml



#7 MCPA

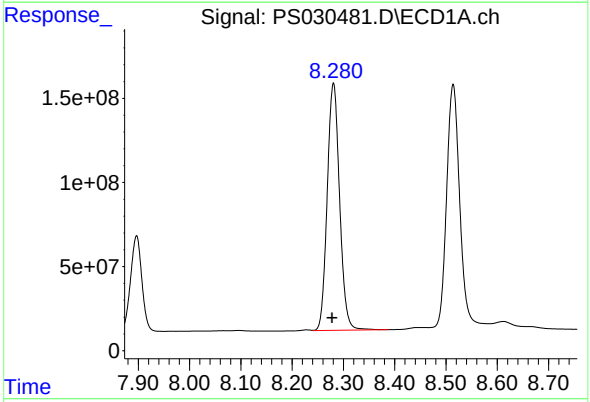
R.T.: 7.897 min
Delta R.T.: -0.004 min
Response: 861173508
Conc: 67.87 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425



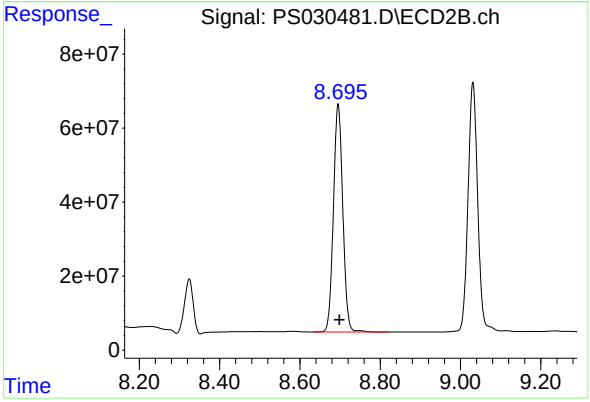
#7 MCPA

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



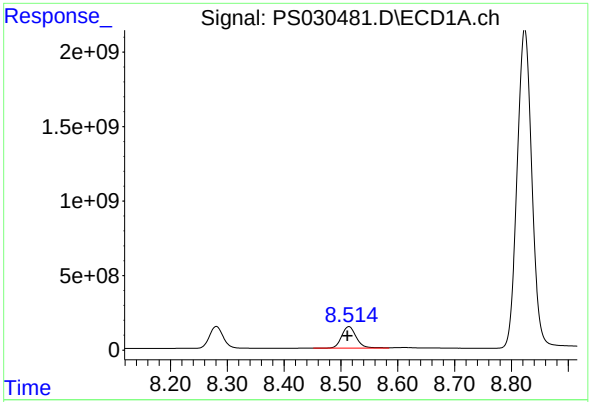
#8 DICHLORPROP

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



#8 DICHLORPROP

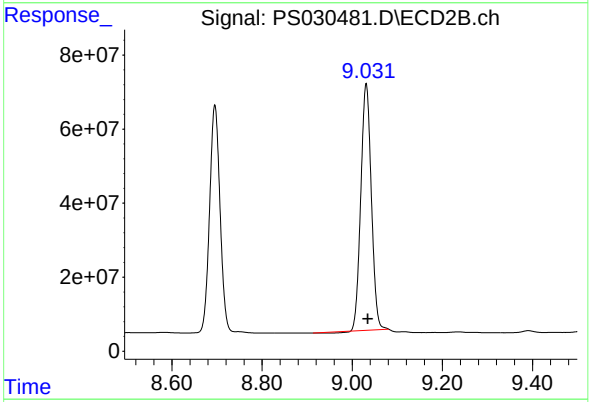
R.T.: 8.695 min
Delta R.T.: -0.004 min
Response: 997765380
Conc: 672.26 ng/ml



#9 2,4-D

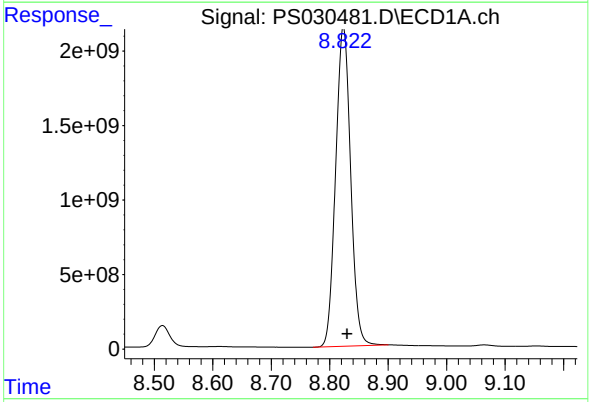
R.T.: 8.514 min
Delta R.T.: 0.003 min
Response: 2588411056
Conc: 710.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425



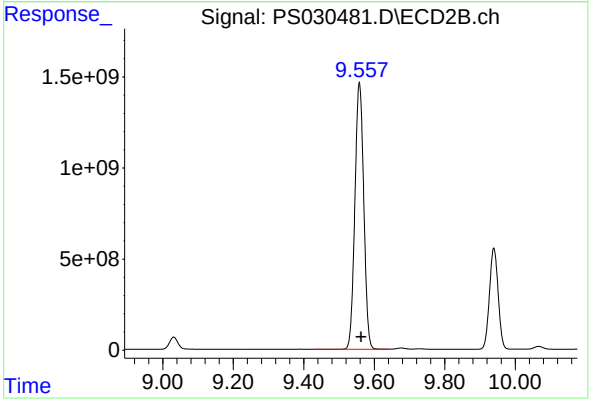
#9 2,4-D

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



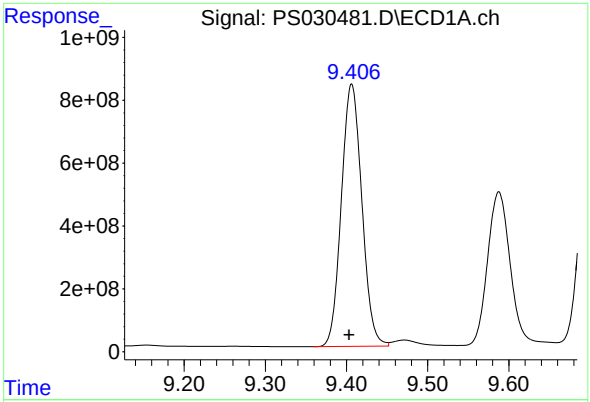
#10 Pentachlorophenol

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



#10 Pentachlorophenol

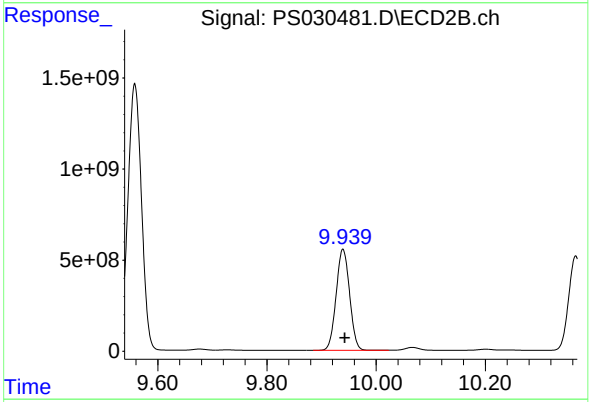
R.T.: 9.558 min
Delta R.T.: -0.005 min
Response: 25498059608
Conc: 705.57 ng/ml



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

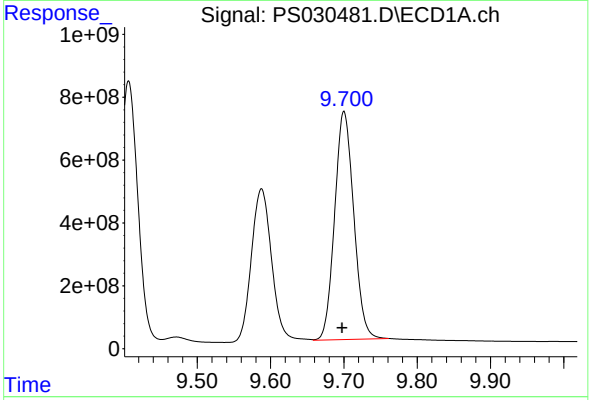
R.T.: 9.406 min
Delta R.T.: 0.003 min
Response: 14651605930
Conc: 709.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425



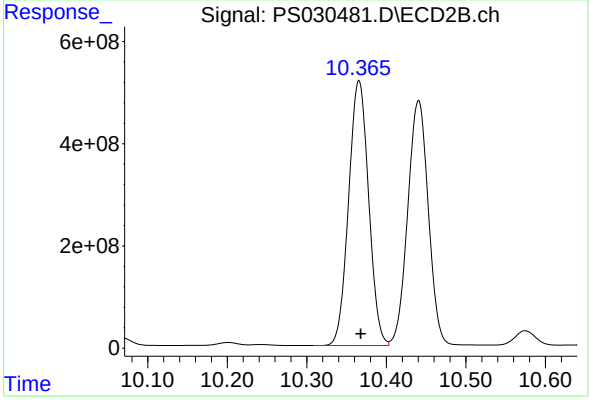
#11 2,4,5-TP (SILVEX)

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



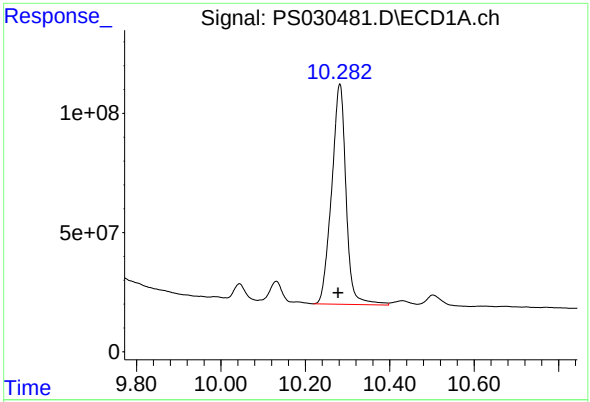
#12 2,4,5-T

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



#12 2,4,5-T

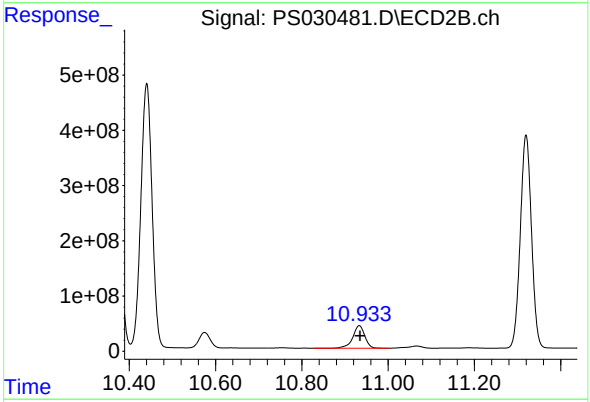
R.T.: 10.366 min
Delta R.T.: -0.002 min
Response: 9065212692
Conc: 694.27 ng/ml



#13 2,4-DB

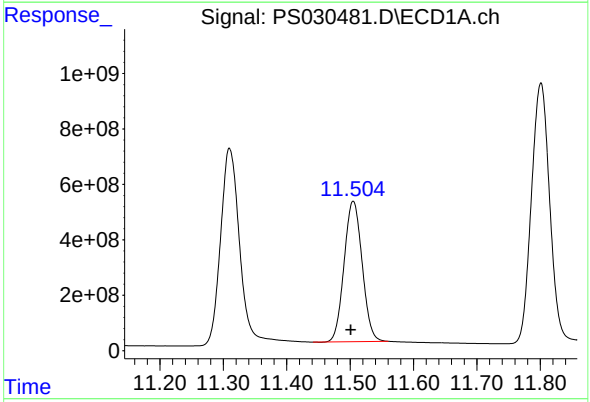
R.T.: 10.282 min
Delta R.T.: 0.004 min
Response: 2193044082
Conc: 722.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425



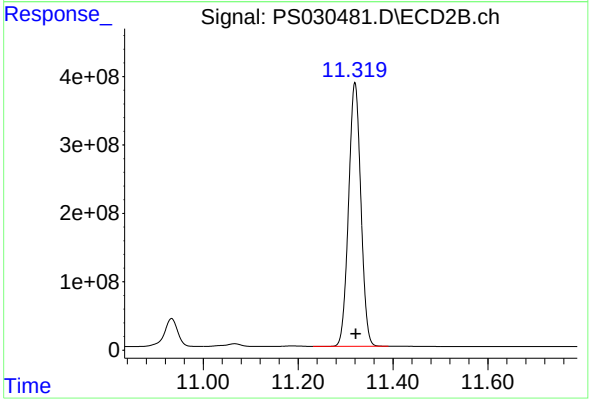
#13 2,4-DB

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



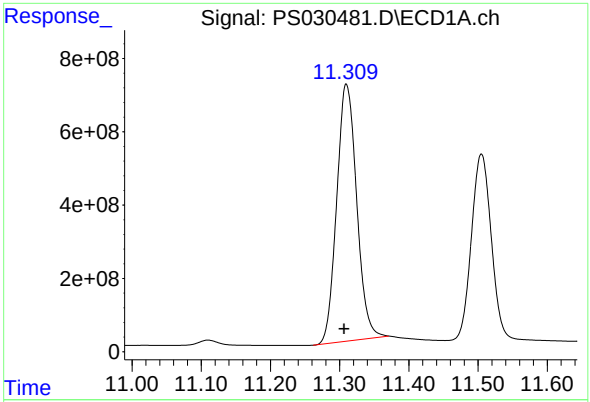
#14 DINOSEB

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



#14 DINOSEB

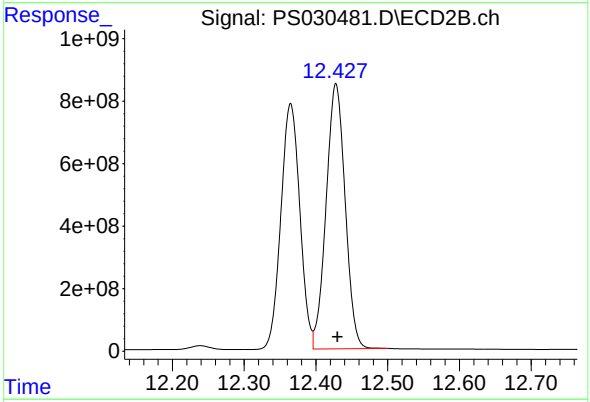
R.T.: 11.320 min
Delta R.T.: -0.002 min
Response: 6923310895
Conc: 688.88 ng/ml



#15 Picloram

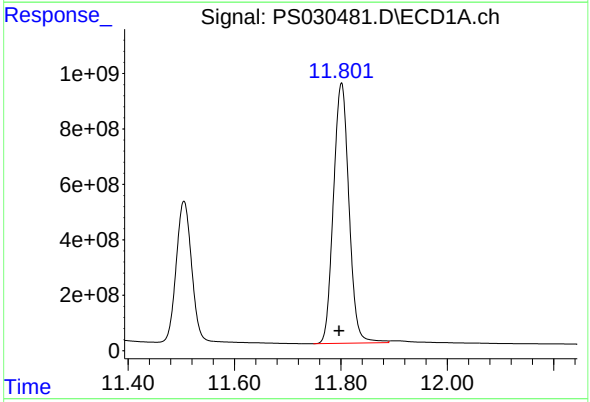
R.T.: 11.310 min
Delta R.T.: 0.003 min
Response: 14073547375
Conc: 703.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425



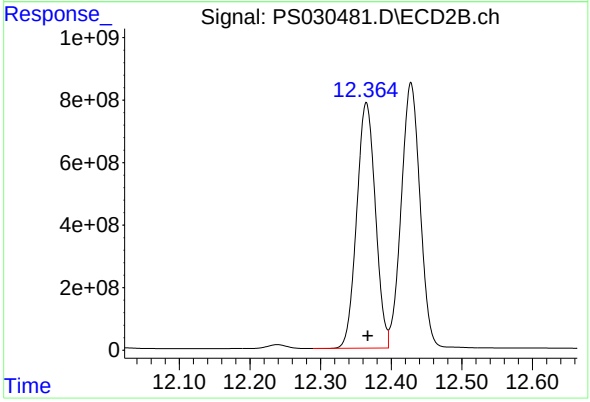
#15 Picloram

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

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 12:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:36:05 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	7.360	7.769	2842.3E6	803.2E6	752.896	746.713
	Target Compounds						
1) T	Dalapon	2.712	2.712	4007.5E6	1866.1E6	709.680	681.040
2) T	3,5-DICHL...	6.517	6.714	3921.8E6	1113.1E6	722.741	711.563
3) T	4-Nitroph...	7.159	7.299	1220.4E6	1154.0E6	665.521	736.293
5) T	DICAMBA	7.551	7.972	11434.4E6	4704.4E6	741.410	730.308
6) T	MCPP	7.734	8.071	586.7E6	167.4E6	59.236	72.398
7) T	MCPA	7.884	8.320	888.8E6	201.3E6	70.039	65.246
8) T	DICHLORPROP	8.266	8.692	2594.9E6	1053.9E6	713.241	710.109
9) T	2,4-D	8.499	9.027	2527.0E6	1129.6E6	693.548	718.453
10) T	Pentachlo...	8.808	9.554	39870.9E6	27281.3E6	785.074	754.921
11) T	2,4,5-TP ...	9.389	9.935	15274.8E6	10094.7E6	739.161	735.943
12) T	2,4,5-T	9.683	10.360	13035.8E6	9528.0E6	707.274	729.717
13) T	2,4-DB	10.263	10.928	1980.9E6	813.2E6	652.376	707.417
14) T	DINOSEB	11.485	11.313	10590.7E6	7450.4E6	736.748	741.325
15) T	Picloram	11.291	12.421	11282.9E6	15653.7E6	564.009	708.831 #
16) T	DCPA	11.781	12.358	19987.9E6	15160.4E6	755.969	740.871

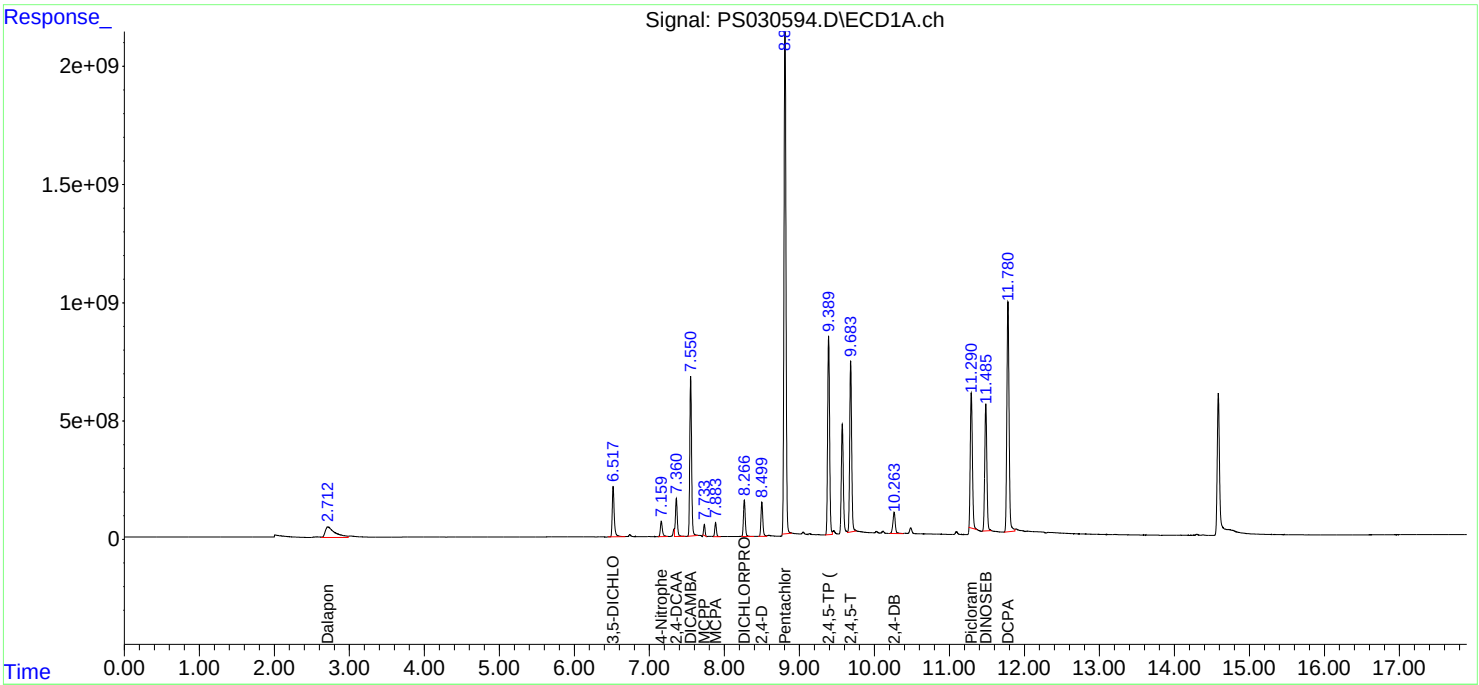
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

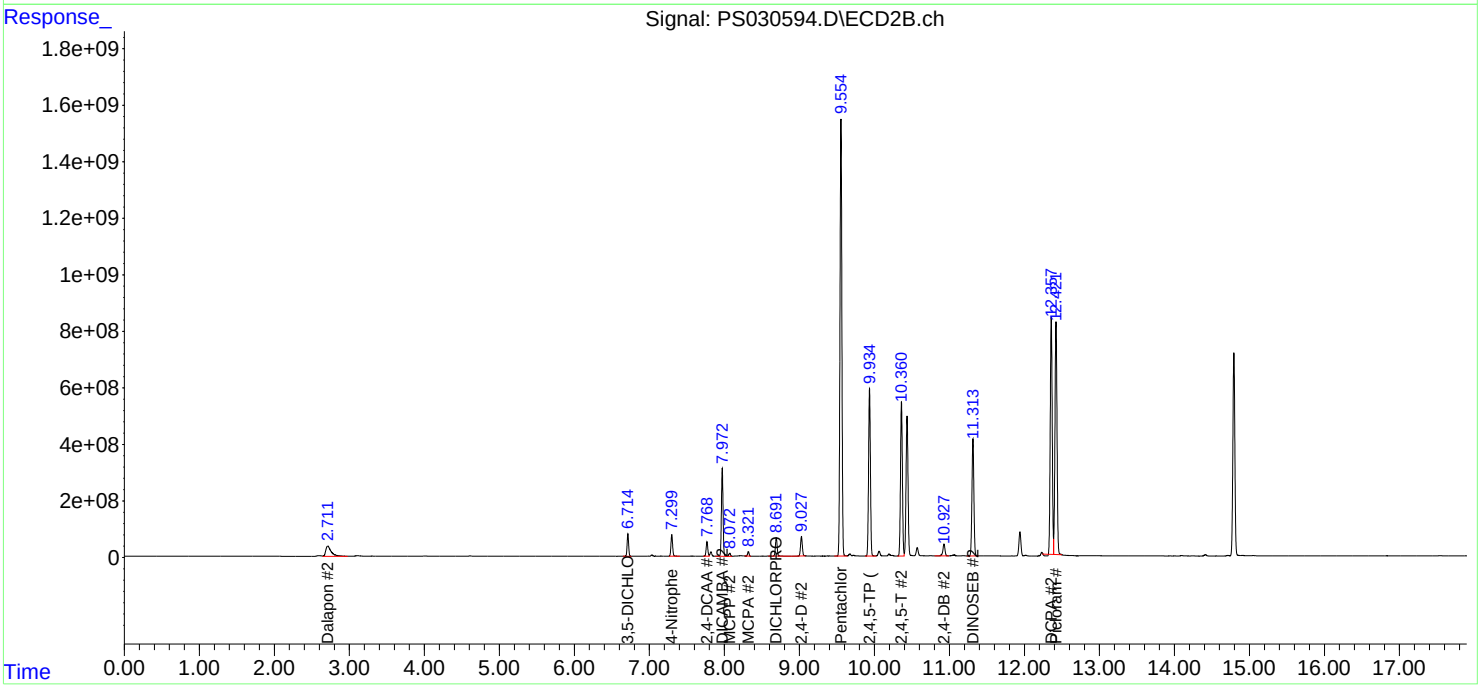
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 12:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

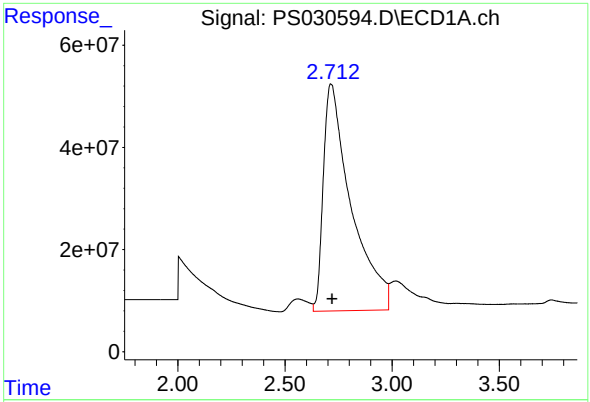
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:36:05 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



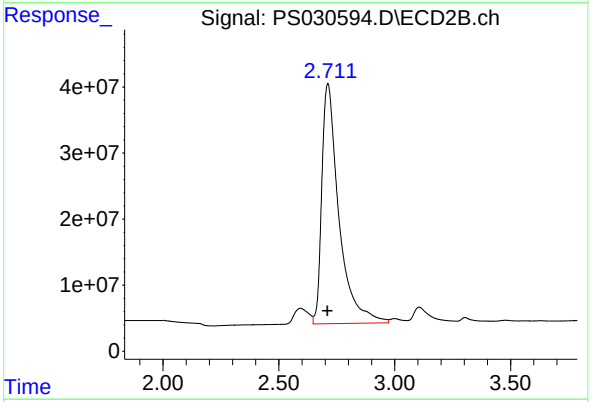




#1 Dalapon

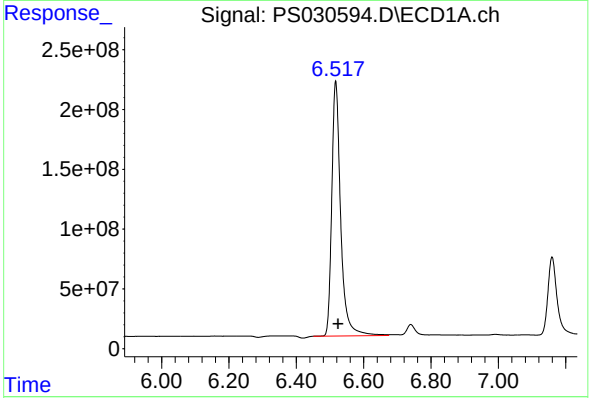
R.T.: 2.712 min
Delta R.T.: -0.008 min
Response: 4007544148
Conc: 709.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



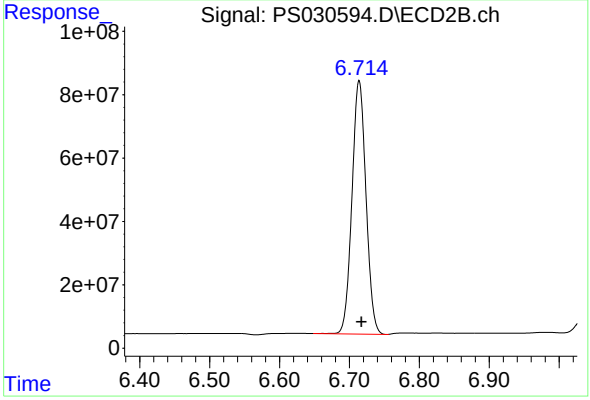
#1 Dalapon

R.T.: 2.712 min
Delta R.T.: 0.001 min
Response: 1866060488
Conc: 681.04 ng/ml



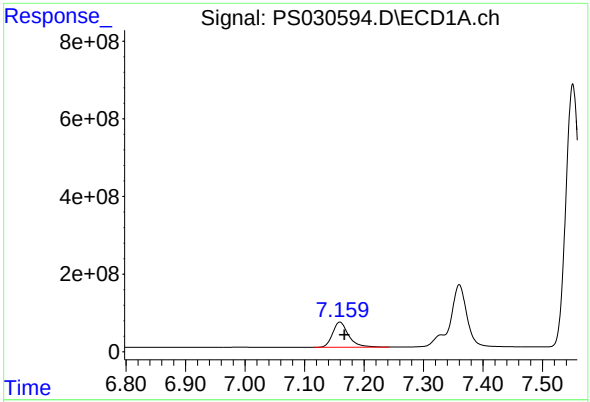
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.517 min
Delta R.T.: -0.007 min
Response: 3921845683
Conc: 722.74 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

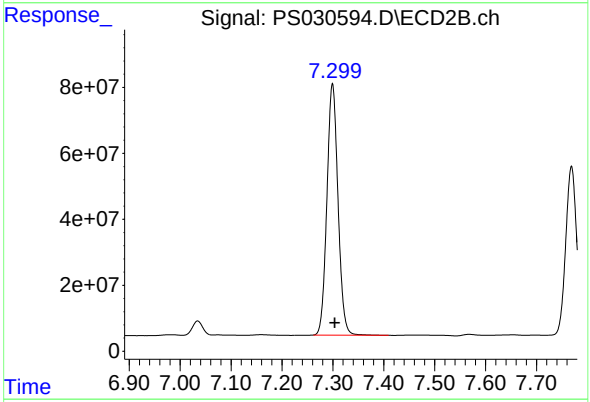
R.T.: 6.714 min
Delta R.T.: -0.003 min
Response: 1113060375
Conc: 711.56 ng/ml



#3 4-Nitrophenol

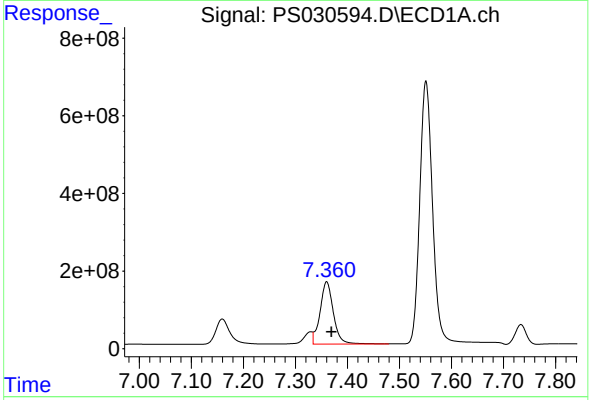
R.T.: 7.159 min
Delta R.T.: -0.008 min
Response: 1220401943
Conc: 665.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



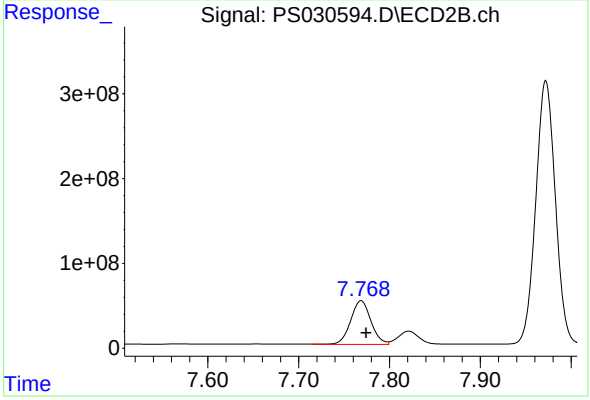
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.005 min
Response: 1153950405
Conc: 736.29 ng/ml



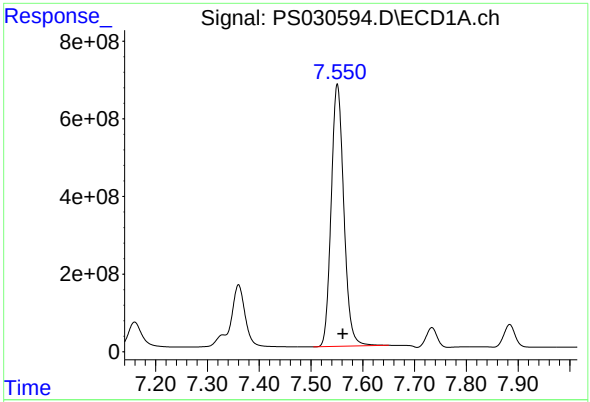
#4 2,4-DCAA

R.T.: 7.360 min
Delta R.T.: -0.009 min
Response: 2842291064
Conc: 752.90 ng/ml



#4 2,4-DCAA

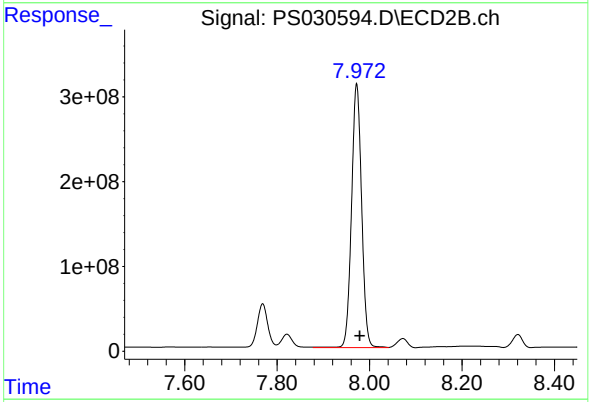
R.T.: 7.769 min
Delta R.T.: -0.006 min
Response: 803172592
Conc: 746.71 ng/ml



#5 DICAMBA

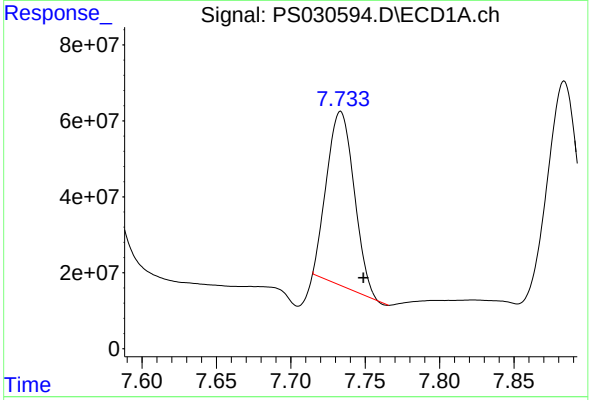
R.T.: 7.551 min
Delta R.T.: -0.010 min
Response: 11434416495
Conc: 741.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



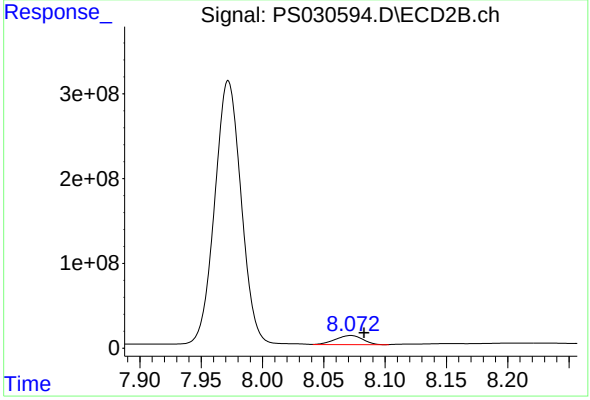
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: -0.006 min
Response: 4704384575
Conc: 730.31 ng/ml



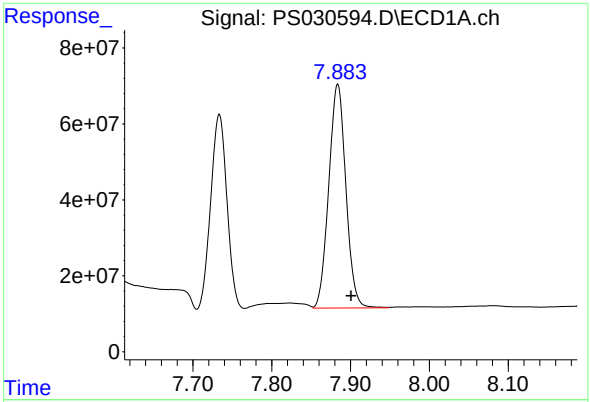
#6 MCPP

R.T.: 7.734 min
Delta R.T.: -0.015 min
Response: 586729446
Conc: 59.24 ug/ml



#6 MCPP

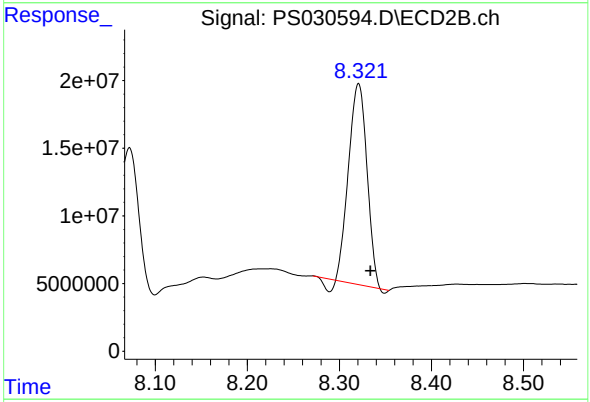
R.T.: 8.071 min
Delta R.T.: -0.012 min
Response: 167355374
Conc: 72.40 ug/ml



#7 MCPA

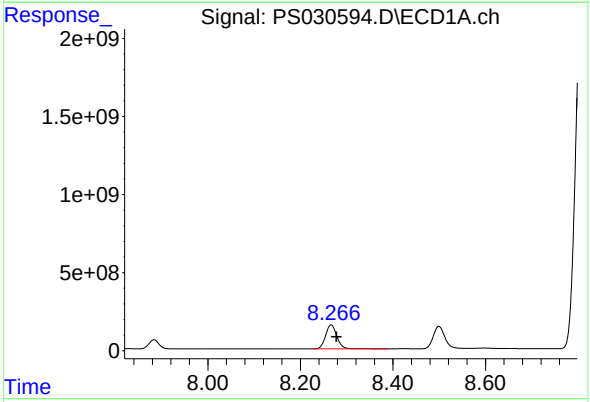
R.T.: 7.884 min
Delta R.T.: -0.017 min
Response: 888757765
Conc: 70.04 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



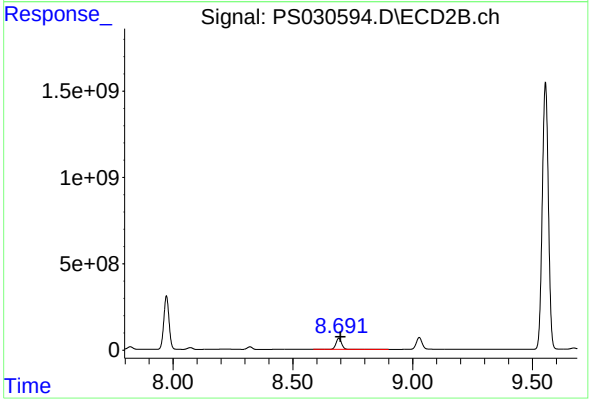
#7 MCPA

R.T.: 8.320 min
Delta R.T.: -0.013 min
Response: 201344764
Conc: 65.25 ug/ml



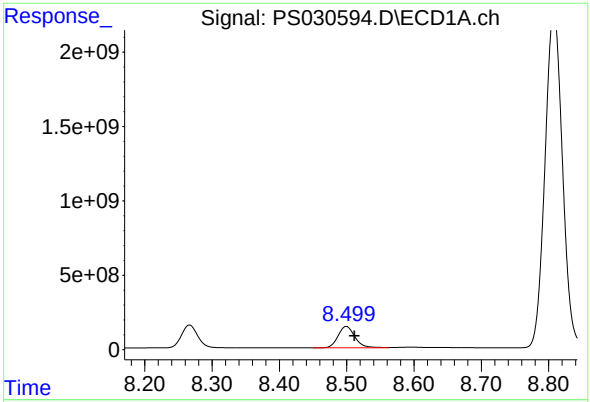
#8 DICHLORPROP

R.T.: 8.266 min
Delta R.T.: -0.012 min
Response: 2594875071
Conc: 713.24 ng/ml



#8 DICHLORPROP

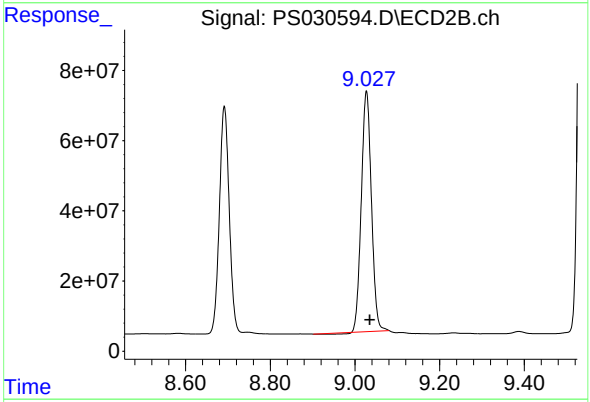
R.T.: 8.692 min
Delta R.T.: -0.007 min
Response: 1053946547
Conc: 710.11 ng/ml



#9 2,4-D

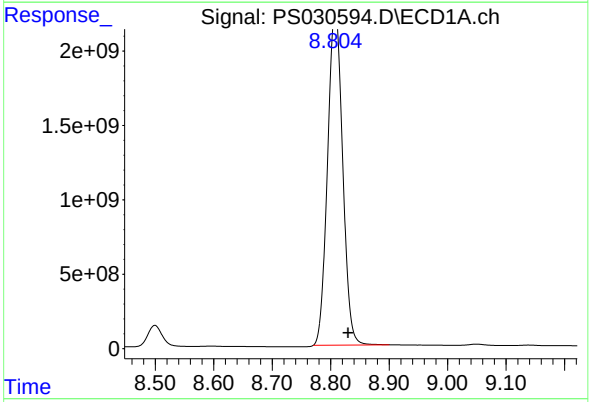
R.T.: 8.499 min
Delta R.T.: -0.012 min
Response: 2527018219
Conc: 693.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



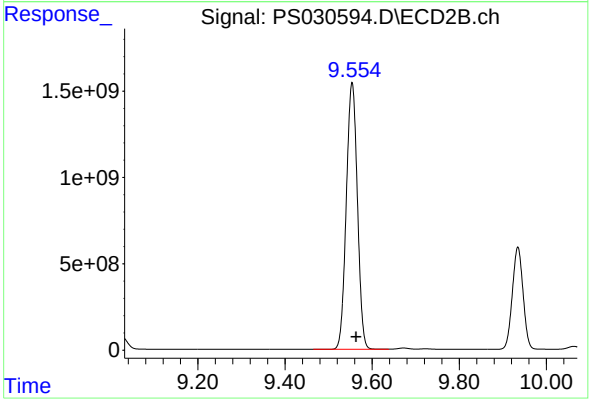
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: -0.007 min
Response: 1129638105
Conc: 718.45 ng/ml



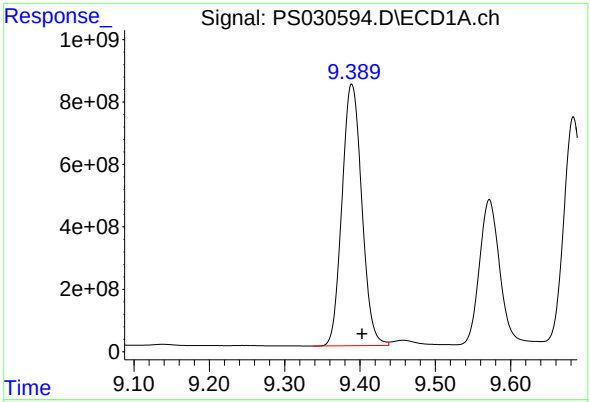
#10 Pentachlorophenol

R.T.: 8.808 min
Delta R.T.: -0.022 min
Response: 39870901584
Conc: 785.07 ng/ml



#10 Pentachlorophenol

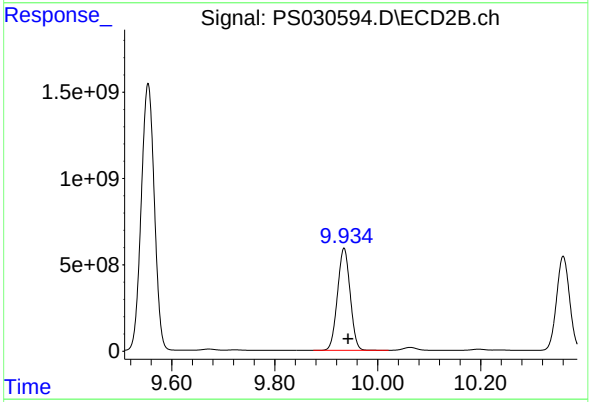
R.T.: 9.554 min
Delta R.T.: -0.009 min
Response: 27281329368
Conc: 754.92 ng/ml



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

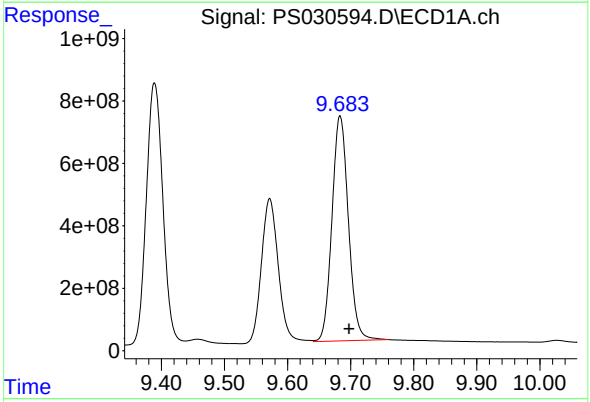
R.T.: 9.389 min
Delta R.T.: -0.014 min
Response: 15274829797
Conc: 739.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



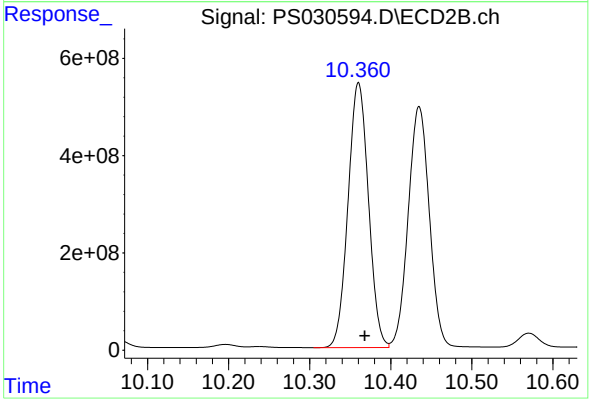
#11 2,4,5-TP (SILVEX)

R.T.: 9.935 min
Delta R.T.: -0.008 min
Response: 10094746496
Conc: 735.94 ng/ml



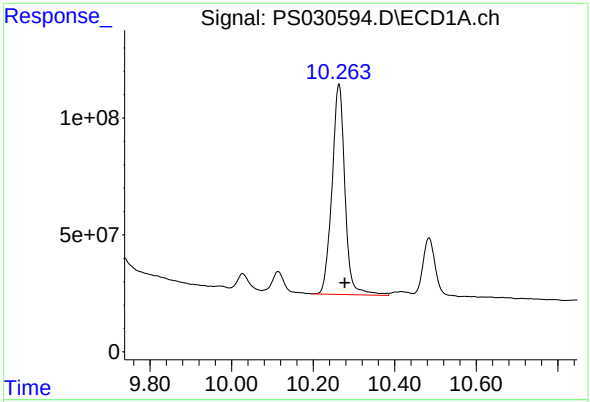
#12 2,4,5-T

R.T.: 9.683 min
Delta R.T.: -0.014 min
Response: 13035815399
Conc: 707.27 ng/ml



#12 2,4,5-T

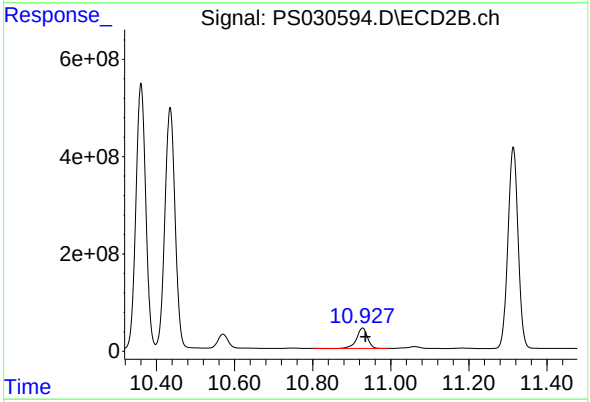
R.T.: 10.360 min
Delta R.T.: -0.007 min
Response: 9528005778
Conc: 729.72 ng/ml



#13 2,4-DB

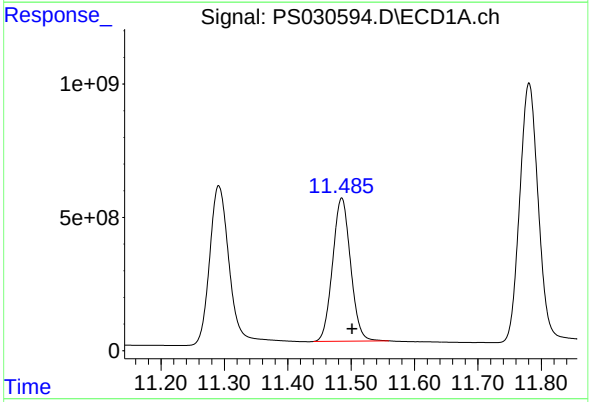
R.T.: 10.263 min
Delta R.T.: -0.014 min
Response: 1980851618
Conc: 652.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



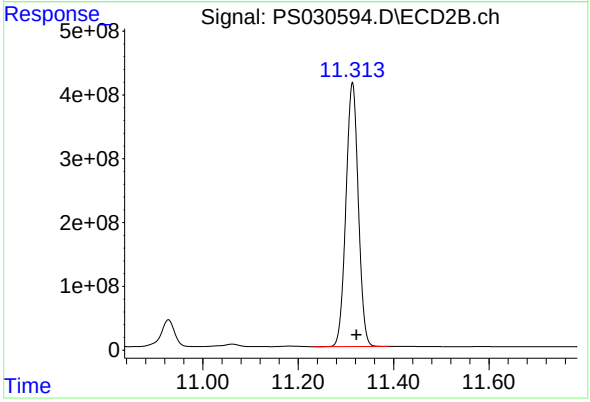
#13 2,4-DB

R.T.: 10.928 min
Delta R.T.: -0.007 min
Response: 813212523
Conc: 707.42 ng/ml



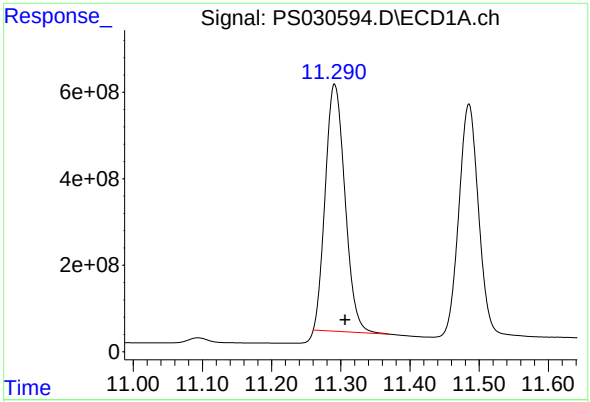
#14 DINOSEB

R.T.: 11.485 min
Delta R.T.: -0.016 min
Response: 10590707635
Conc: 736.75 ng/ml



#14 DINOSEB

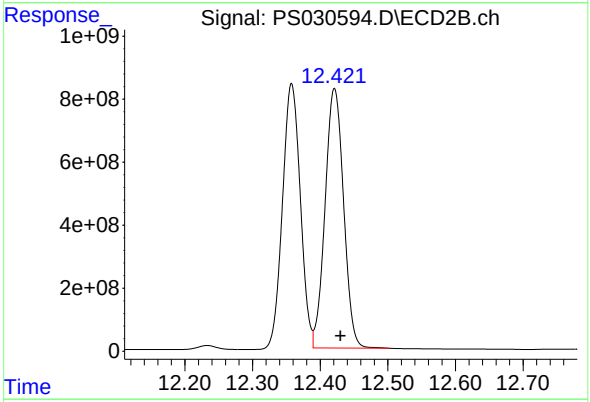
R.T.: 11.313 min
Delta R.T.: -0.008 min
Response: 7450406148
Conc: 741.33 ng/ml



#15 Picloram

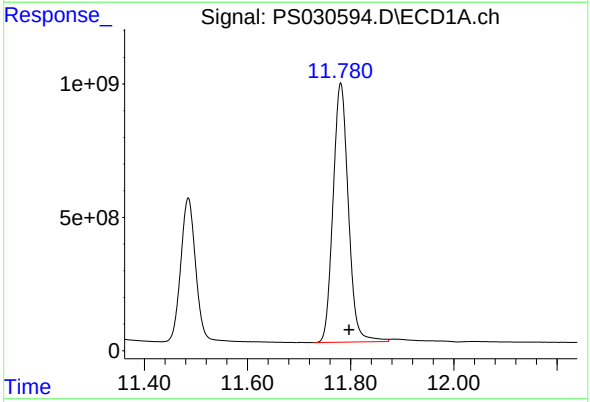
R.T.: 11.291 min
Delta R.T.: -0.015 min
Response: 11282898264
Conc: 564.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



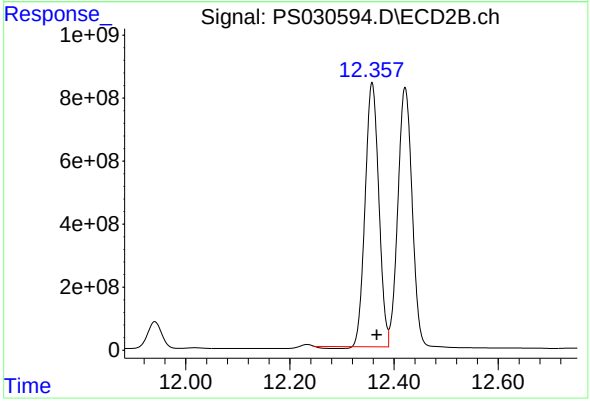
#15 Picloram

R.T.: 12.421 min
Delta R.T.: -0.008 min
Response: 15653735407
Conc: 708.83 ng/ml



#16 DCPA

R.T.: 11.781 min
Delta R.T.: -0.016 min
Response: 19987892642
Conc: 755.97 ng/ml



#16 DCPA

R.T.: 12.358 min
Delta R.T.: -0.009 min
Response: 15160388565
Conc: 740.87 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 18:00
Operator : AR\AJ
Sample : Q2259-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:37:23 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	7.360	7.769	1142.5E6	367.3E6	302.648	341.521	
	Target Compounds							
1) T	Dalapon	0.000	2.686	0	1073.6E6	N.D.	391.816	
2) T	3,5-DICHL...	6.508	6.727	-1214846	7212166	N.D.	4.611	
3) T	4-Nitroph...	7.137f	7.303	23534556	40226949	12.834	25.667	#
5) T	DICAMBA	7.555	7.973	22361562	21000369	1.450	3.260	#
6) T	MCPP	7.791f	0.000	94269325	0	9.517	N.D.	#
7) T	MCPA	7.900	0.000	1799463	0	<MDL	N.D.	#
8) T	DICHLORPROP	8.307f	8.663f	18164854	49625044	4.993	33.435	#
9) T	2,4-D	8.513	0.000	3761185	0	1.032	N.D.	#
10) T	Pentachlo...	8.799f	9.563	5350399	23584399	<MDL	<MDL	#
11) T	2,4,5-TP ...	9.443f	9.913f	37166073	106.4E6	1.798	7.756	#
12) T	2,4,5-T	9.735f	10.362	21862685	126.7E6	1.186	9.703	#
13) T	2,4-DB	10.255	10.965f	203.8E6	3938377	67.104	3.426	#
14) T	DINOSEB	11.524	11.324	12624595	95932985	<MDL	9.545	#
15) T	Picloram	11.294	12.423	11868258	17724105	<MDL	<MDL	#
16) T	DCPA	0.000	12.353	0	79419000	N.D.	3.881	

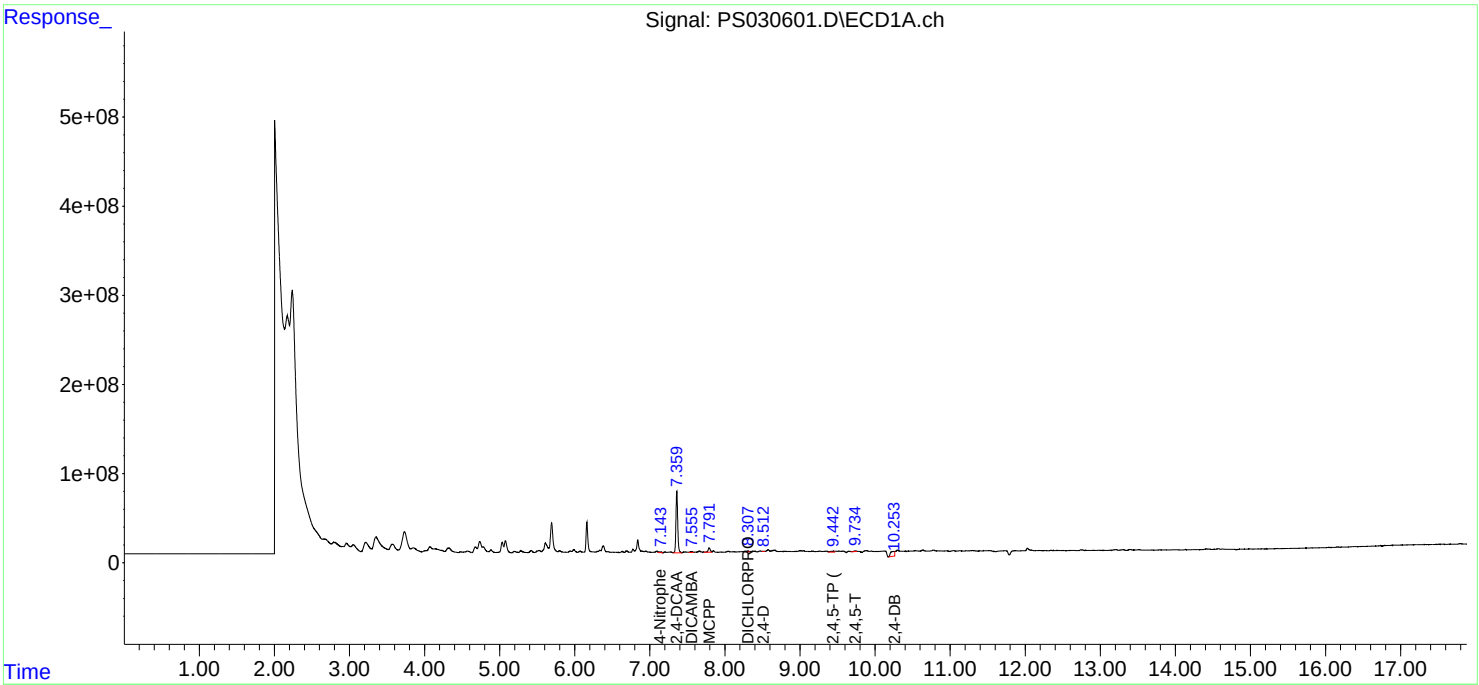
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

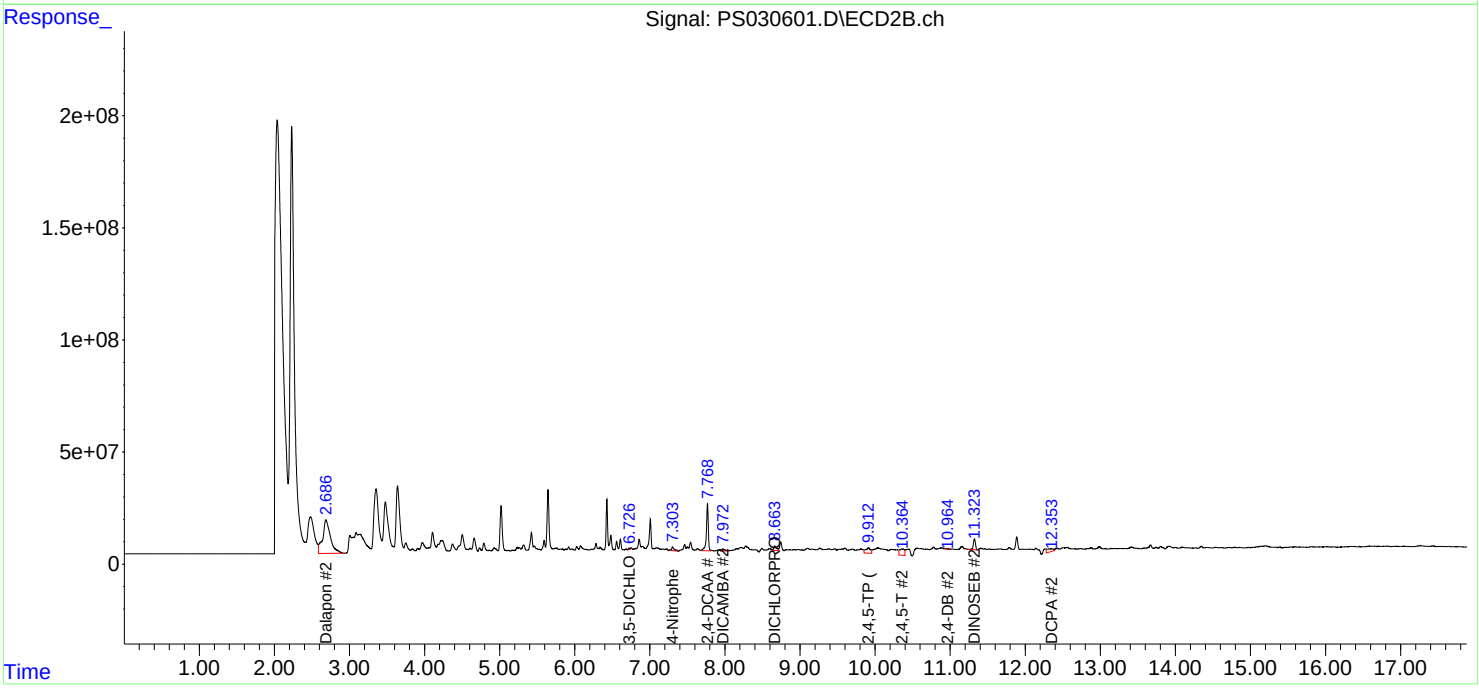
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 18:00
Operator : AR\AJ
Sample : Q2259-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

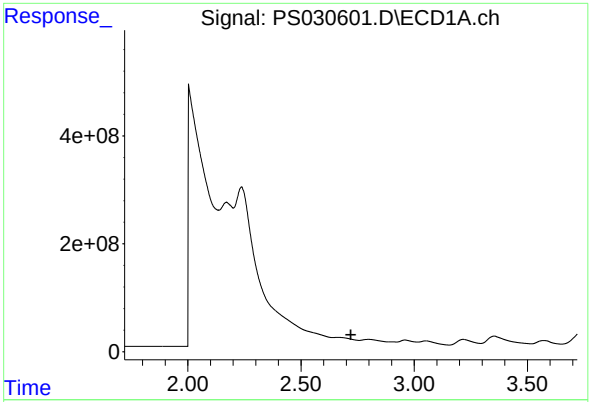
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:37:23 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



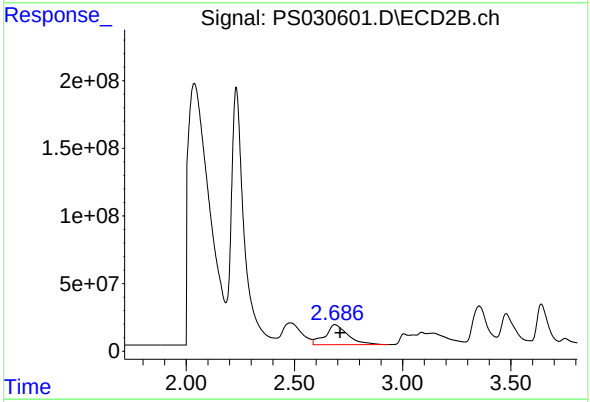




#1 Dalapon

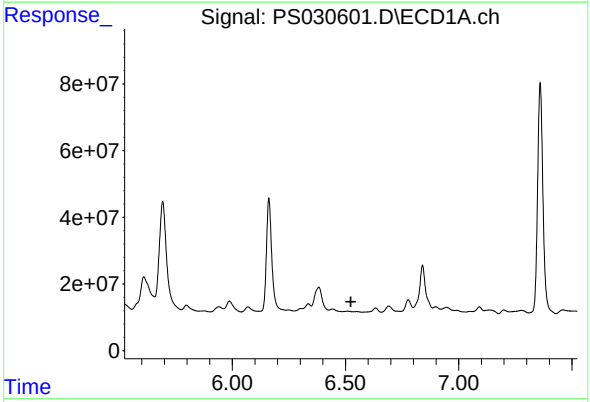
R.T.: 0.000 min
Exp R.T. : 2.720 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525



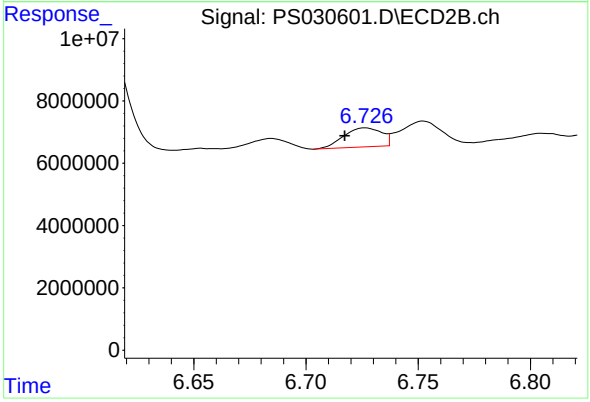
#1 Dalapon

R.T.: 2.686 min
Delta R.T.: -0.024 min
Response: 1073582450
Conc: 391.82 ng/ml



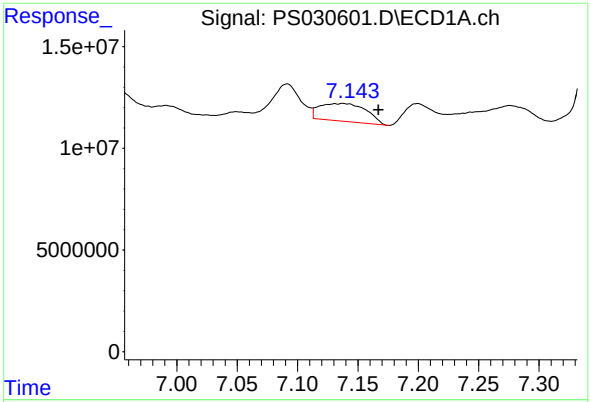
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: -0.016 min
Response: -1214846
Conc: N.D.



#2 3,5-DICHLOROBENZOIC ACID

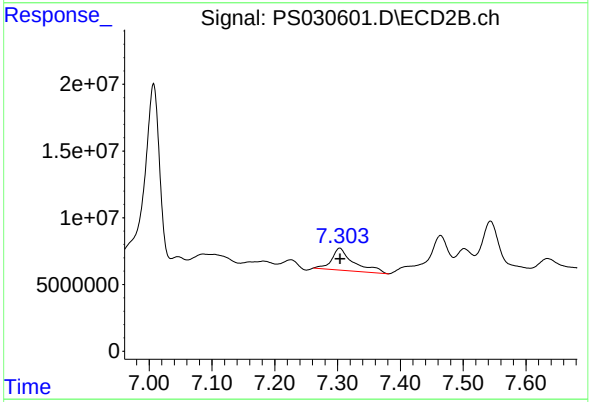
R.T.: 6.727 min
Delta R.T.: 0.009 min
Response: 7212166
Conc: 4.61 ng/ml



#3 4-Nitrophenol

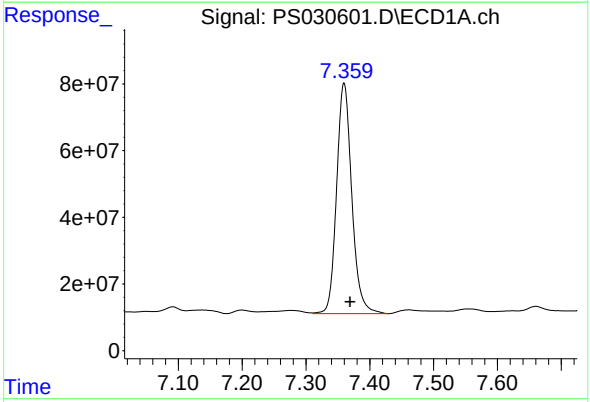
R.T.: 7.137 min
Delta R.T.: -0.030 min
Response: 23534556
Conc: 12.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525



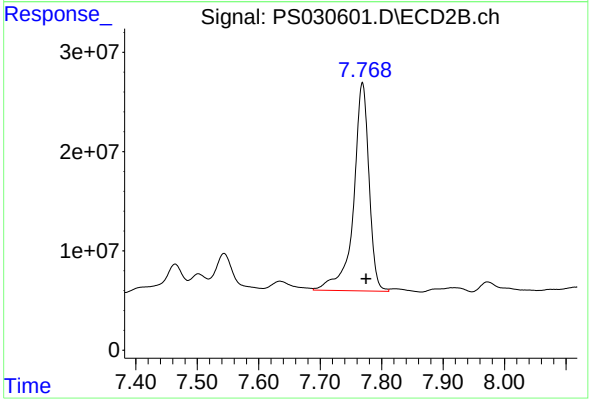
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: 0.000 min
Response: 40226949
Conc: 25.67 ng/ml



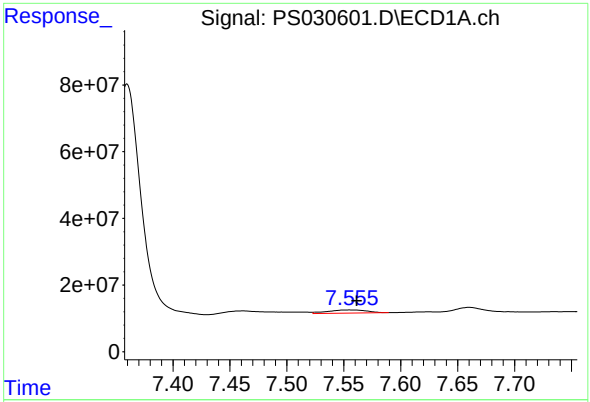
#4 2,4-DCAA

R.T.: 7.360 min
Delta R.T.: -0.009 min
Response: 1142540103
Conc: 302.65 ng/ml



#4 2,4-DCAA

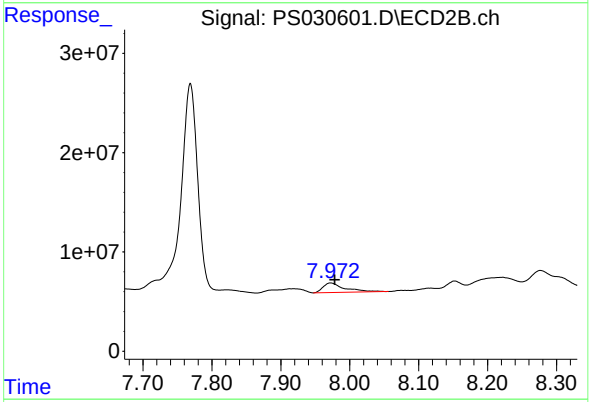
R.T.: 7.769 min
Delta R.T.: -0.006 min
Response: 367344018
Conc: 341.52 ng/ml



#5 DICAMBA

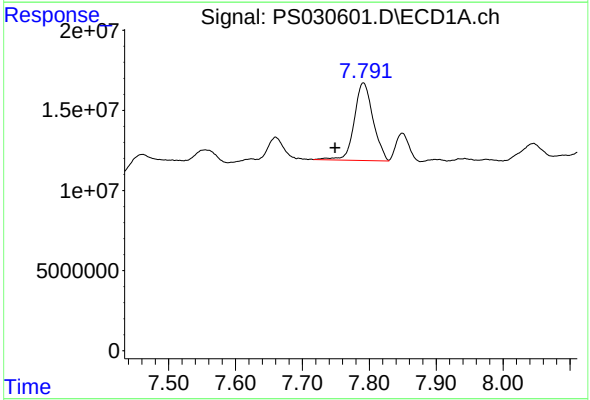
R.T.: 7.555 min
Delta R.T.: -0.006 min
Response: 22361562
Conc: 1.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525



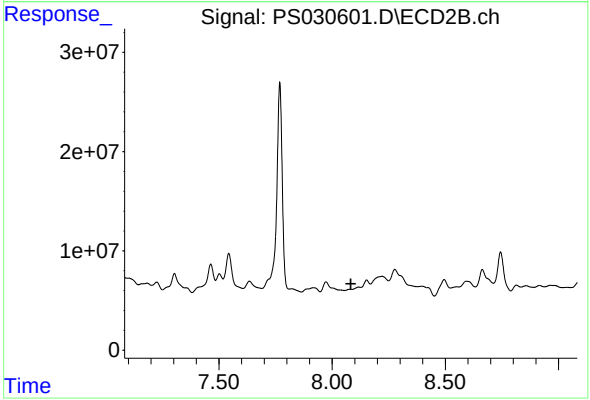
#5 DICAMBA

R.T.: 7.973 min
Delta R.T.: -0.006 min
Response: 21000369
Conc: 3.26 ng/ml



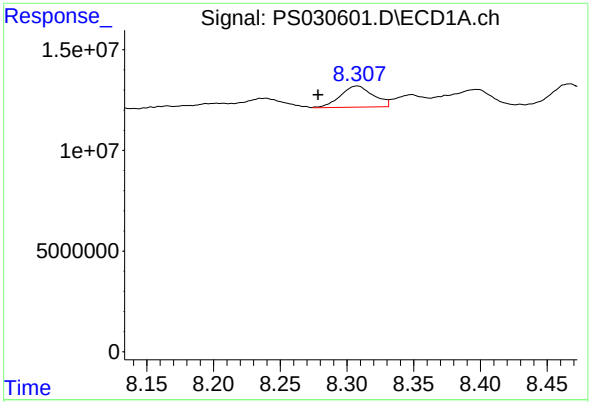
#6 MCPP

R.T.: 7.791 min
Delta R.T.: 0.042 min
Response: 94269325
Conc: 9.52 ug/ml



#6 MCPP

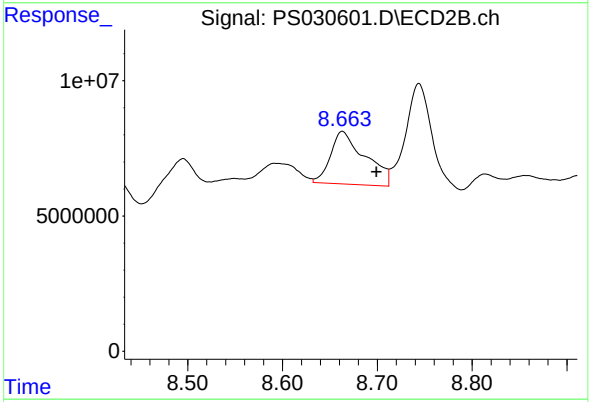
R.T.: 0.000 min
Exp R.T. : 8.083 min
Response: 0
Conc: N.D.



#8 DICHLORPROP

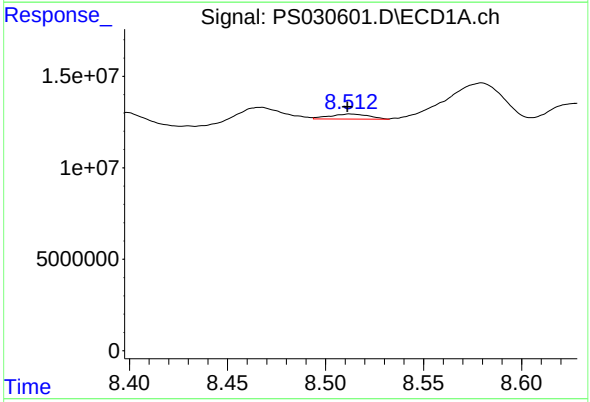
R.T.: 8.307 min
Delta R.T.: 0.029 min
Response: 18164854
Conc: 4.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525



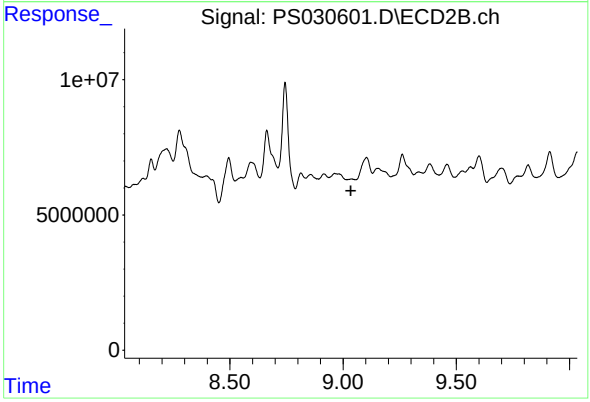
#8 DICHLORPROP

R.T.: 8.663 min
Delta R.T.: -0.036 min
Response: 49625044
Conc: 33.44 ng/ml



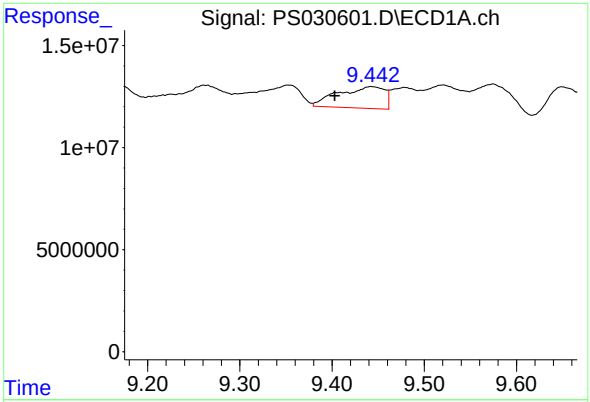
#9 2,4-D

R.T.: 8.513 min
Delta R.T.: 0.002 min
Response: 3761185
Conc: 1.03 ng/ml



#9 2,4-D

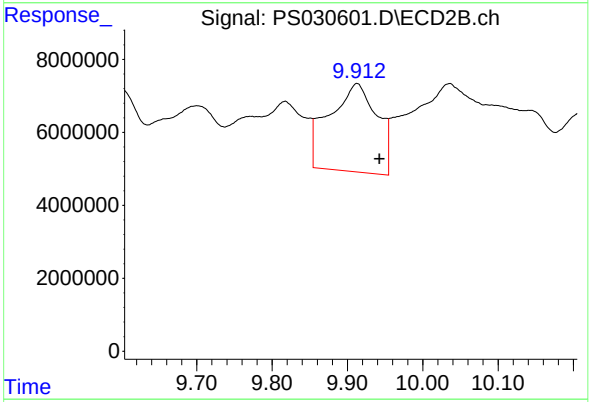
R.T.: 0.000 min
Exp R.T. : 9.035 min
Response: 0
Conc: N.D.



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

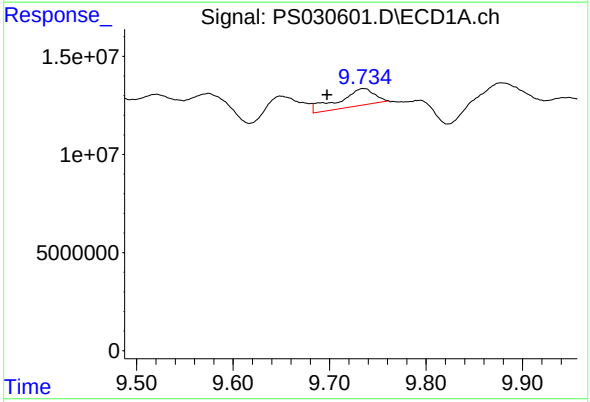
R.T.: 9.443 min
Delta R.T.: 0.040 min
Response: 37166073
Conc: 1.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525



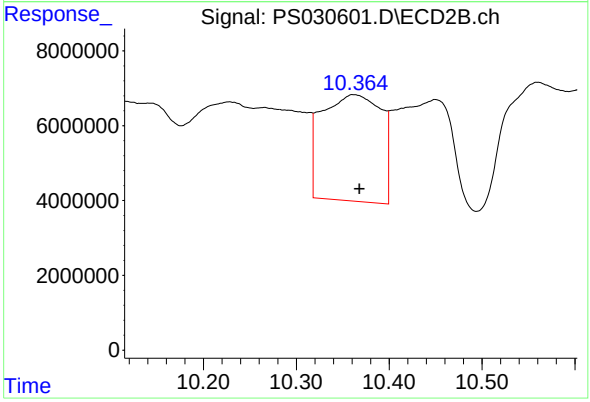
#11 2,4,5-TP (SILVEX)

R.T.: 9.913 min
Delta R.T.: -0.030 min
Response: 106383677
Conc: 7.76 ng/ml



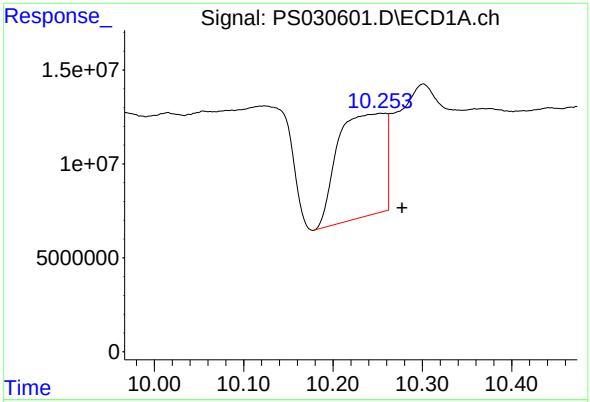
#12 2,4,5-T

R.T.: 9.735 min
Delta R.T.: 0.038 min
Response: 21862685
Conc: 1.19 ng/ml



#12 2,4,5-T

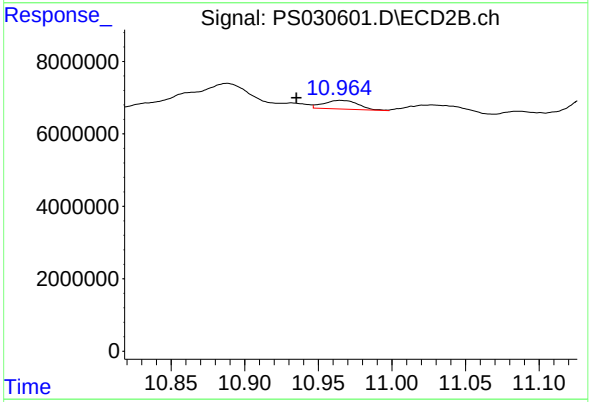
R.T.: 10.362 min
Delta R.T.: -0.006 min
Response: 126692222
Conc: 9.70 ng/ml



#13 2,4-DB

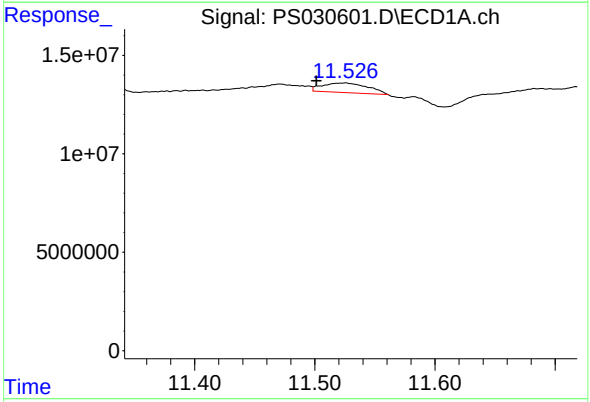
R.T.: 10.255 min
Delta R.T.: -0.022 min
Response: 203752045
Conc: 67.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525



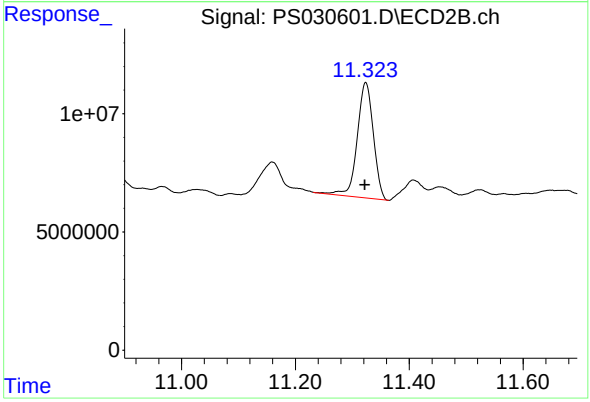
#13 2,4-DB

R.T.: 10.965 min
Delta R.T.: 0.030 min
Response: 3938377
Conc: 3.43 ng/ml



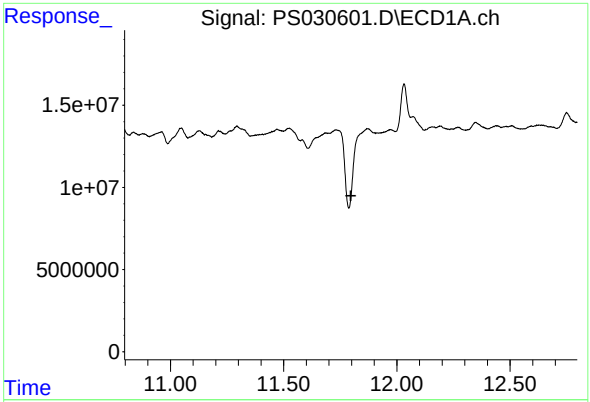
#14 DINOSEB

R.T.: 11.524 min
Delta R.T.: 0.023 min
Response: 12624595
Conc: N.D.



#14 DINOSEB

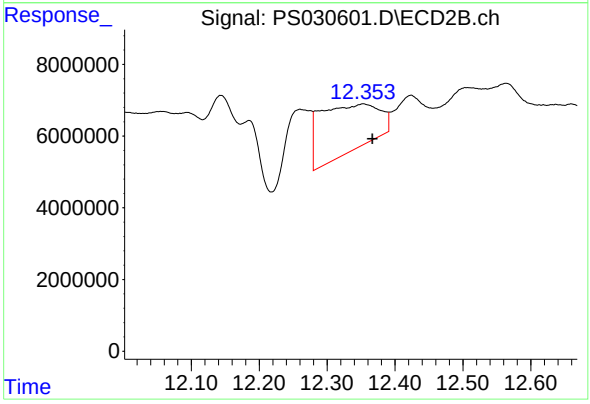
R.T.: 11.324 min
Delta R.T.: 0.002 min
Response: 95932985
Conc: 9.55 ng/ml



#16 DCPA

R.T.: 0.000 min
Exp R.T. : 11.797 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-36-060525



#16 DCPA

R.T.: 12.353 min
Delta R.T.: -0.014 min
Response: 79419000
Conc: 3.88 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 20:01
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:38:20 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	7.359	7.769	3195.9E6	792.0E6	846.561	736.310
	Target Compounds						
1) T	Dalapon	2.716	2.711	3948.2E6	1862.7E6	699.178	679.799
2) T	3,5-DICHL...	6.516	6.714	3891.0E6	1121.1E6	717.054	716.671
3) T	4-Nitroph...	7.158	7.300	1231.6E6	1173.6E6	671.623	748.808
5) T	DICAMBA	7.550	7.972	11362.8E6	4715.4E6	736.768	732.024
6) T	MCPP	7.733	8.072	539.3E6	167.0E6	54.451	72.224 #
7) T	MCPA	7.883	8.321	891.3E6	212.4E6	70.238	68.821
8) T	DICHLORPROP	8.265	8.692	2582.2E6	1057.3E6	709.767	712.385
9) T	2,4-D	8.498	9.027	2549.0E6	1139.4E6	699.567	724.667
10) T	Pentachlo...	8.807	9.554	39391.5E6	27457.3E6	775.634	759.790
11) T	2,4,5-TP ...	9.388	9.934	15187.0E6	10147.5E6	734.913	739.791
12) T	2,4,5-T	9.683	10.360	13061.9E6	9588.3E6	708.690	734.331
13) T	2,4-DB	10.262	10.927	2010.3E6	825.1E6	662.060	717.754
14) T	DINOSEB	11.483	11.313	10502.4E6	7475.7E6	730.606	743.837
15) T	Picloram	11.290	12.421	10776.4E6	15497.3E6	538.690	701.749 #
16) T	DCPA	11.779	12.358	19887.4E6	15390.1E6	752.168	752.097

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

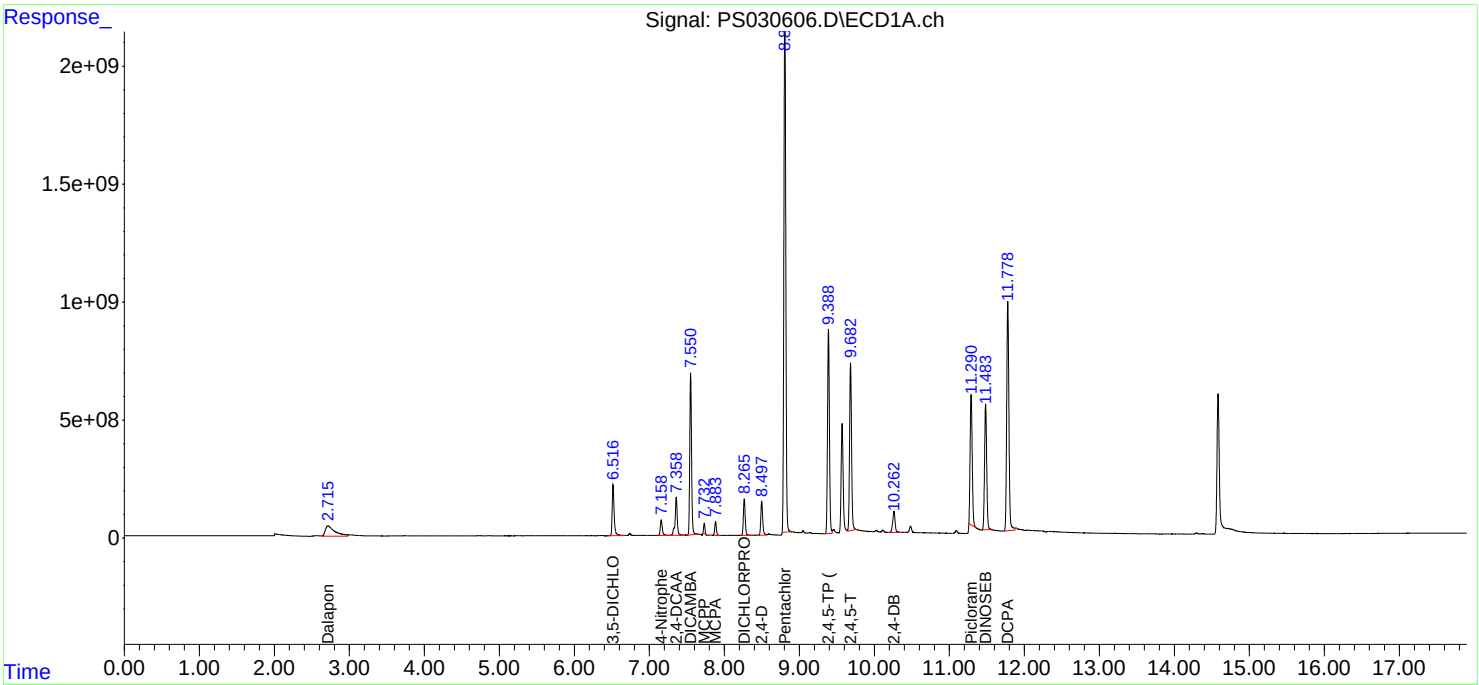
Quantitation Report (Not Reviewed)

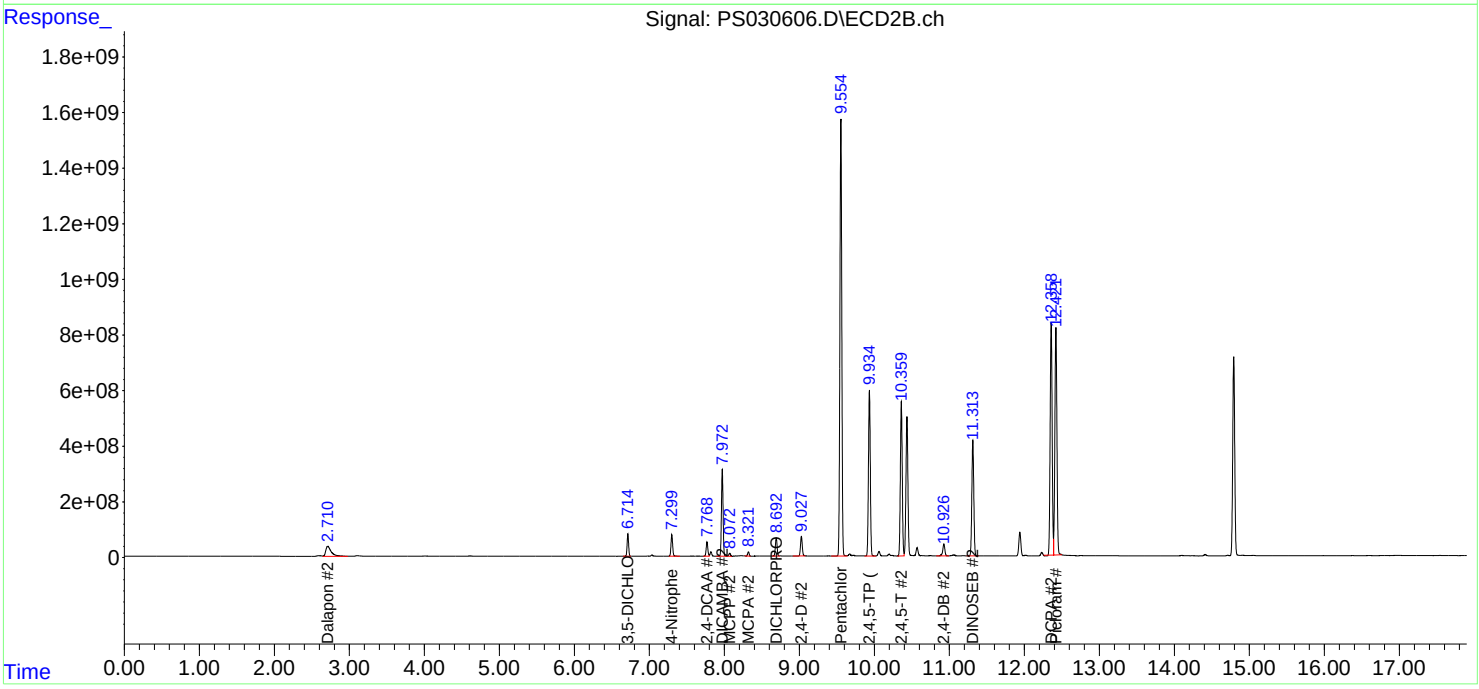
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061025\
Data File : PS030606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 20:01
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

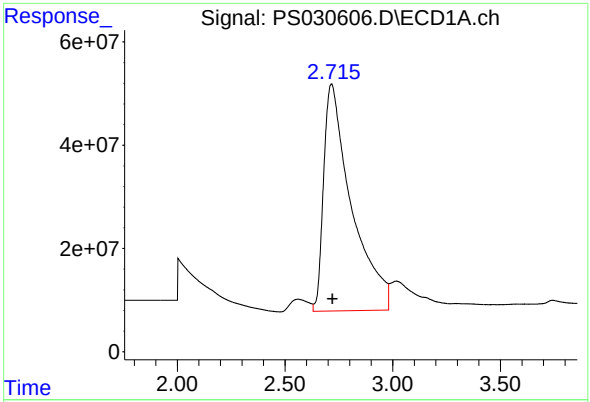
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 01:38:20 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 0.25µm



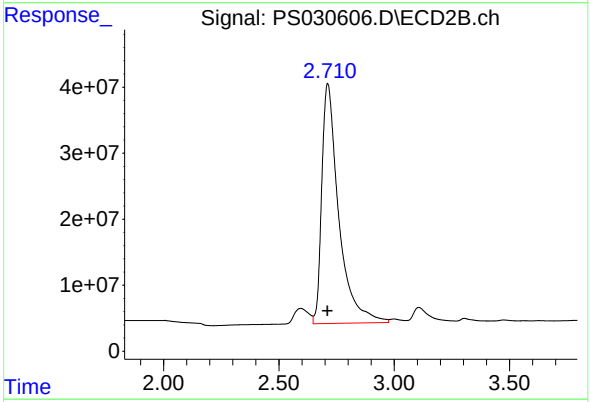




#1 Dalapon

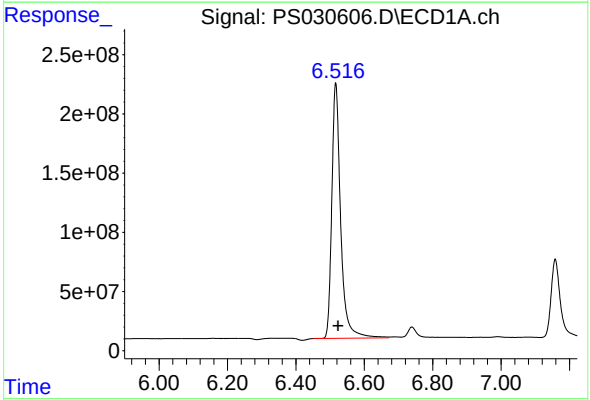
R.T.: 2.716 min
Delta R.T.: -0.004 min
Response: 3948240312
Conc: 699.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



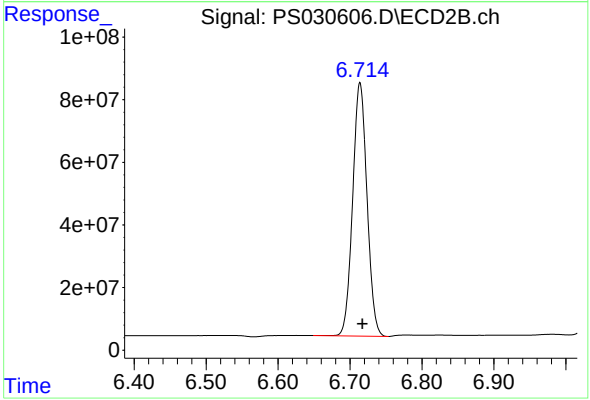
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 1862659747
Conc: 679.80 ng/ml



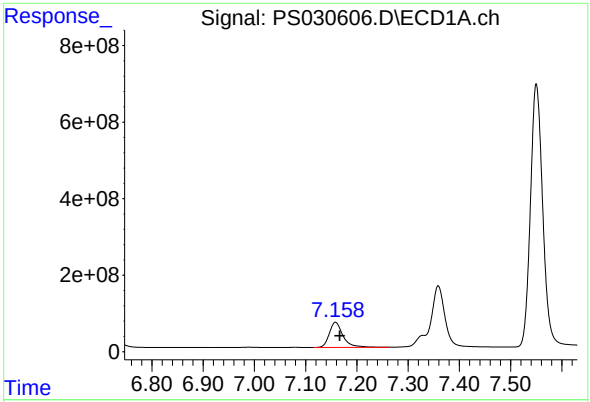
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.516 min
Delta R.T.: -0.008 min
Response: 3890985252
Conc: 717.05 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

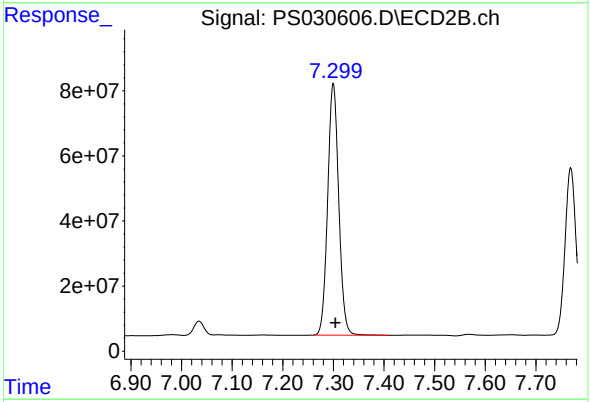
R.T.: 6.714 min
Delta R.T.: -0.003 min
Response: 1121051614
Conc: 716.67 ng/ml



#3 4-Nitrophenol

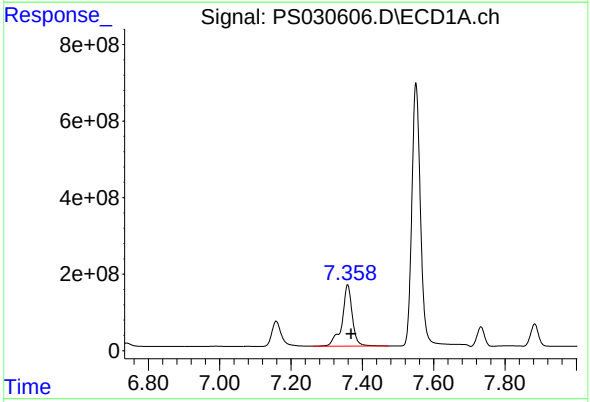
R.T.: 7.158 min
Delta R.T.: -0.009 min
Response: 1231593036
Conc: 671.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



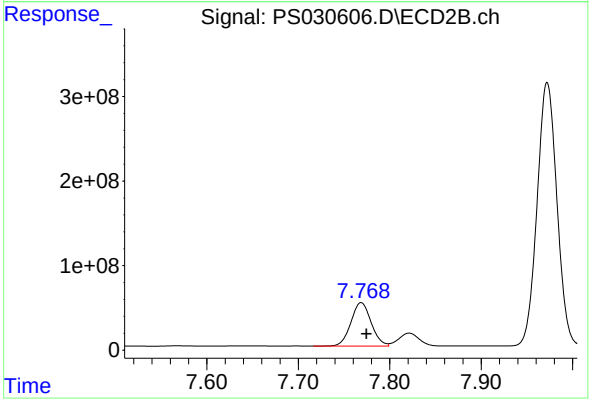
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.004 min
Response: 1173563180
Conc: 748.81 ng/ml



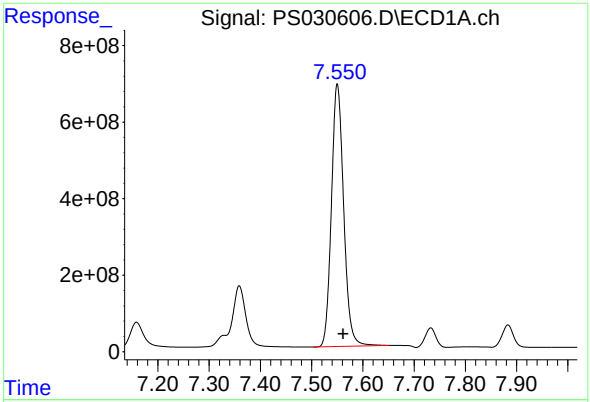
#4 2,4-DCAA

R.T.: 7.359 min
Delta R.T.: -0.010 min
Response: 3195891952
Conc: 846.56 ng/ml



#4 2,4-DCAA

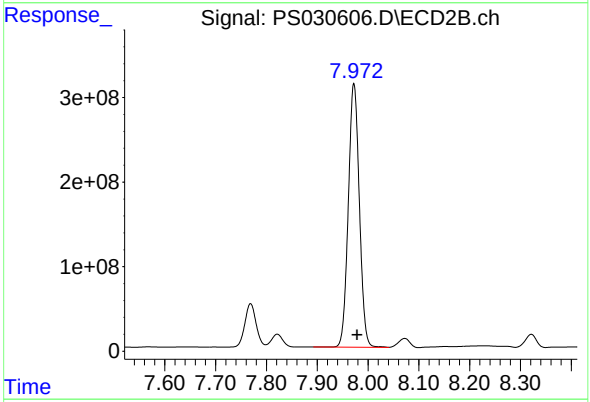
R.T.: 7.769 min
Delta R.T.: -0.006 min
Response: 791982680
Conc: 736.31 ng/ml



#5 DICAMBA

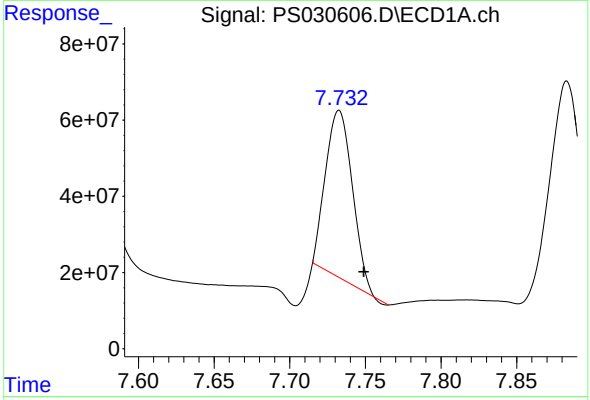
R.T.: 7.550 min
Delta R.T.: -0.011 min
Response: 11362828110
Conc: 736.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



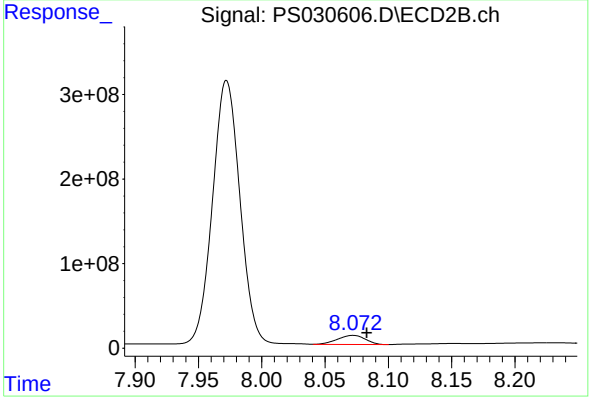
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: -0.006 min
Response: 4715439157
Conc: 732.02 ng/ml



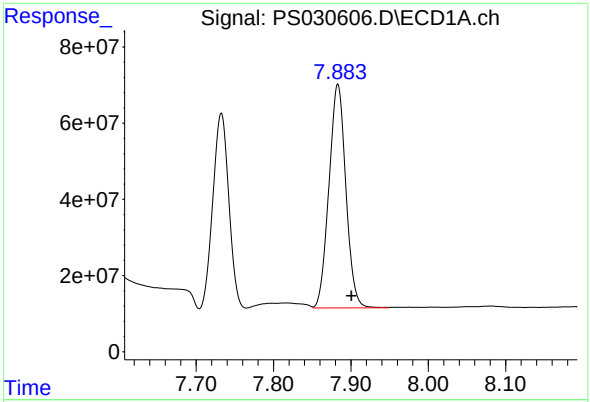
#6 MCPP

R.T.: 7.733 min
Delta R.T.: -0.016 min
Response: 539334481
Conc: 54.45 ug/ml



#6 MCPP

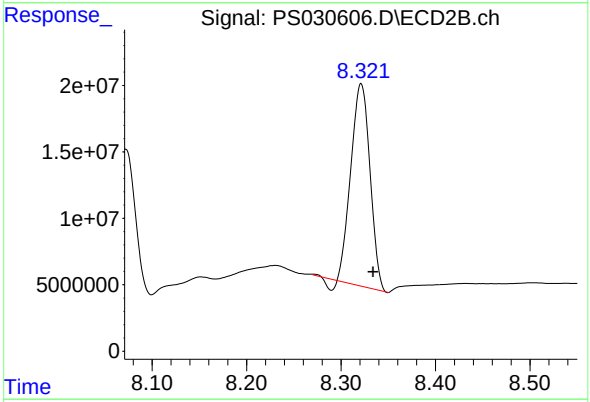
R.T.: 8.072 min
Delta R.T.: -0.011 min
Response: 166951576
Conc: 72.22 ug/ml



#7 MCPA

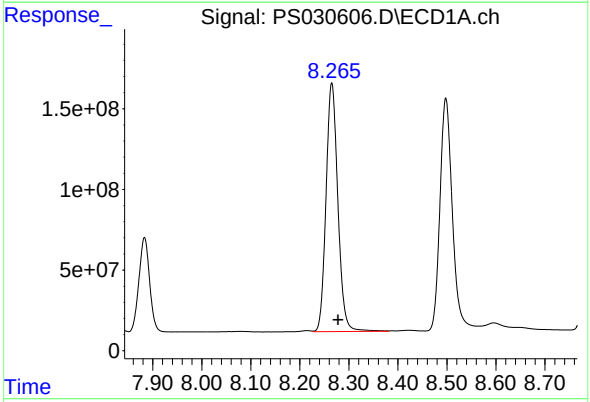
R.T.: 7.883 min
Delta R.T.: -0.017 min
Response: 891282950
Conc: 70.24 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



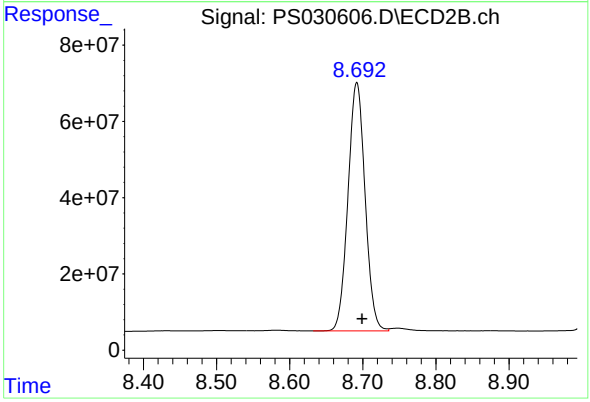
#7 MCPA

R.T.: 8.321 min
Delta R.T.: -0.012 min
Response: 212374445
Conc: 68.82 ug/ml



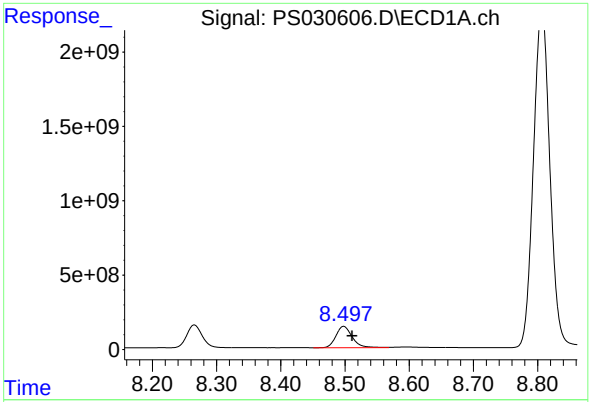
#8 DICHLORPROP

R.T.: 8.265 min
Delta R.T.: -0.013 min
Response: 2582235559
Conc: 709.77 ng/ml



#8 DICHLORPROP

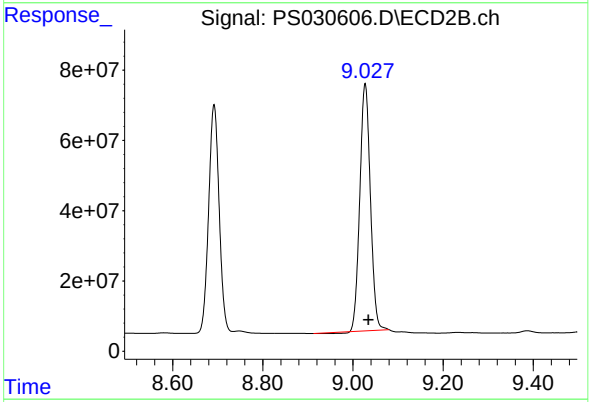
R.T.: 8.692 min
Delta R.T.: -0.007 min
Response: 1057324133
Conc: 712.38 ng/ml



#9 2,4-D

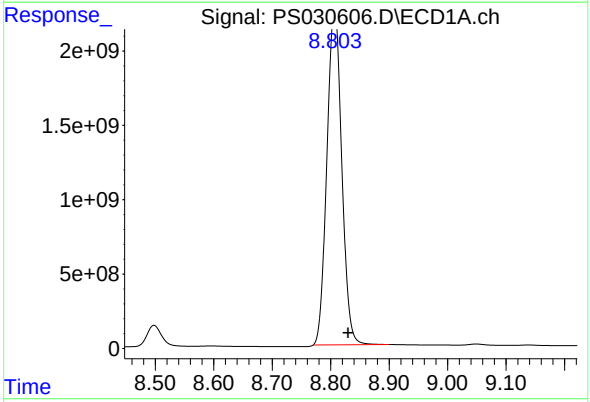
R.T.: 8.498 min
Delta R.T.: -0.013 min
Response: 2548951666
Conc: 699.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



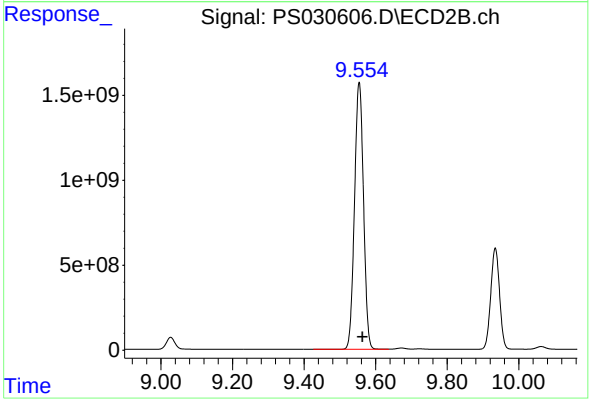
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: -0.007 min
Response: 1139408353
Conc: 724.67 ng/ml



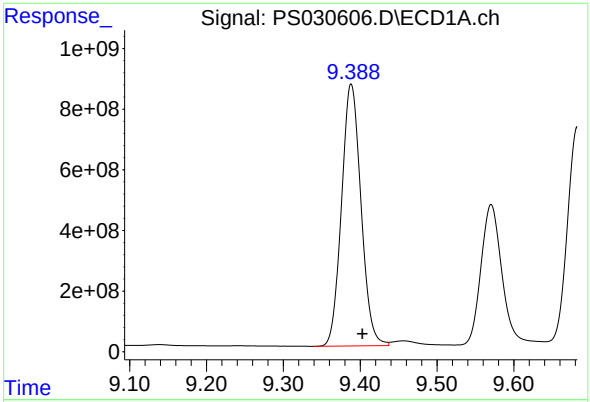
#10 Pentachlorophenol

R.T.: 8.807 min
Delta R.T.: -0.023 min
Response: 39391511111
Conc: 775.63 ng/ml



#10 Pentachlorophenol

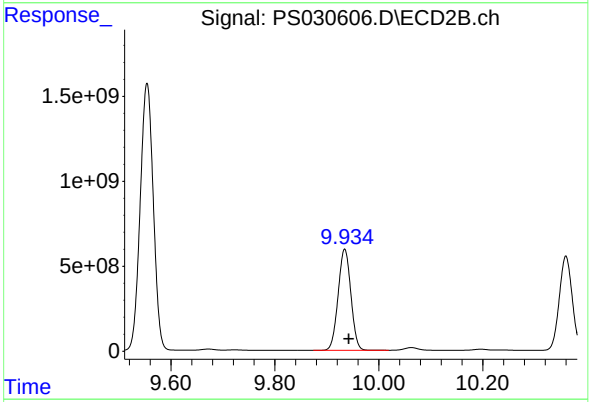
R.T.: 9.554 min
Delta R.T.: -0.009 min
Response: 27457291450
Conc: 759.79 ng/ml



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

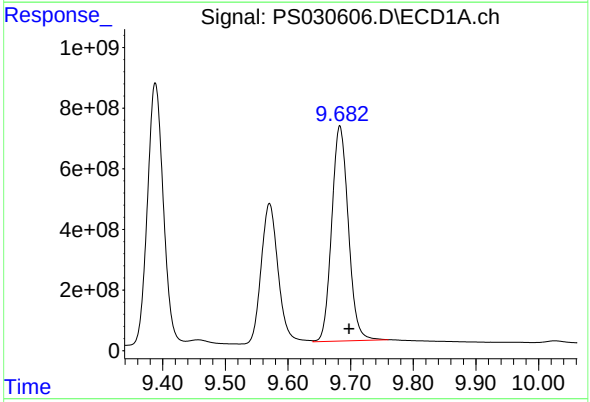
R.T.: 9.388 min
Delta R.T.: -0.015 min
Response: 15187045303
Conc: 734.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



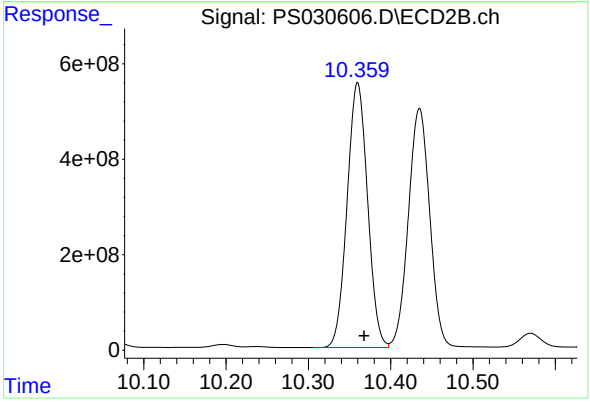
#11 2,4,5-TP (SILVEX)

R.T.: 9.934 min
Delta R.T.: -0.008 min
Response: 10147522394
Conc: 739.79 ng/ml



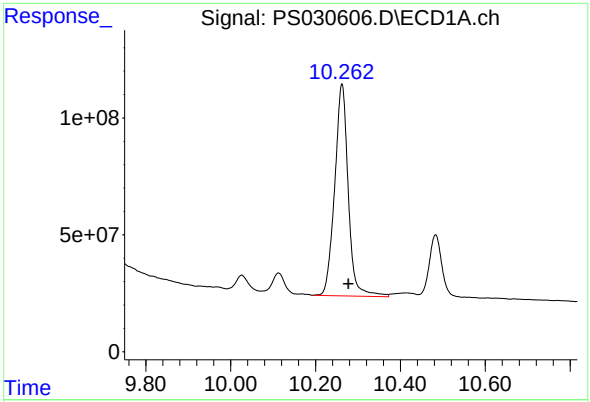
#12 2,4,5-T

R.T.: 9.683 min
Delta R.T.: -0.015 min
Response: 13061905547
Conc: 708.69 ng/ml



#12 2,4,5-T

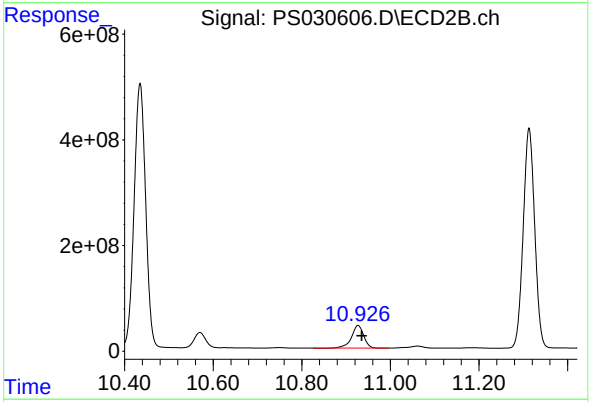
R.T.: 10.360 min
Delta R.T.: -0.008 min
Response: 9588252529
Conc: 734.33 ng/ml



#13 2,4-DB

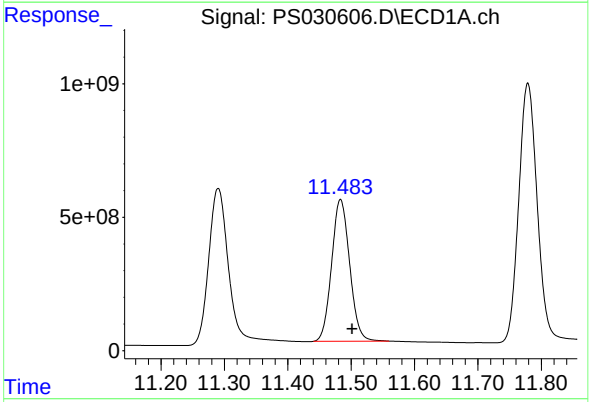
R.T.: 10.262 min
Delta R.T.: -0.015 min
Response: 2010255166
Conc: 662.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



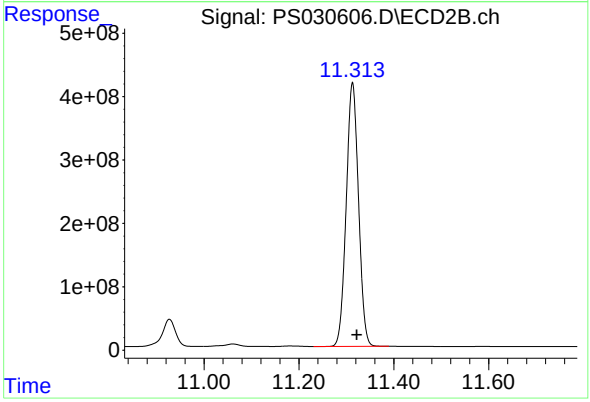
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: -0.008 min
Response: 825095937
Conc: 717.75 ng/ml



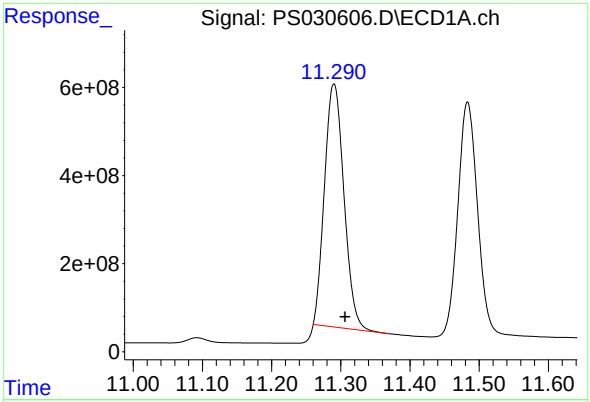
#14 DINOSEB

R.T.: 11.483 min
Delta R.T.: -0.018 min
Response: 10502417837
Conc: 730.61 ng/ml



#14 DINOSEB

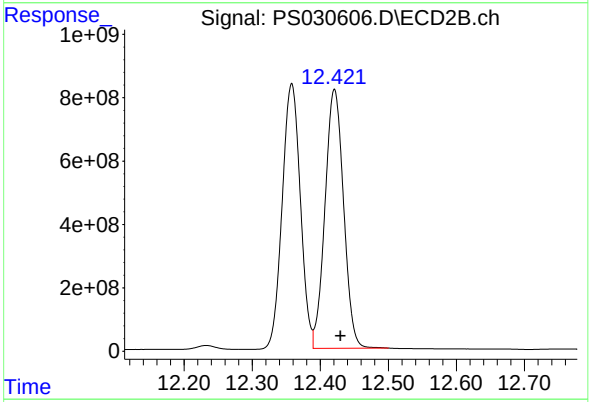
R.T.: 11.313 min
Delta R.T.: -0.009 min
Response: 7475651170
Conc: 743.84 ng/ml



#15 Picloram

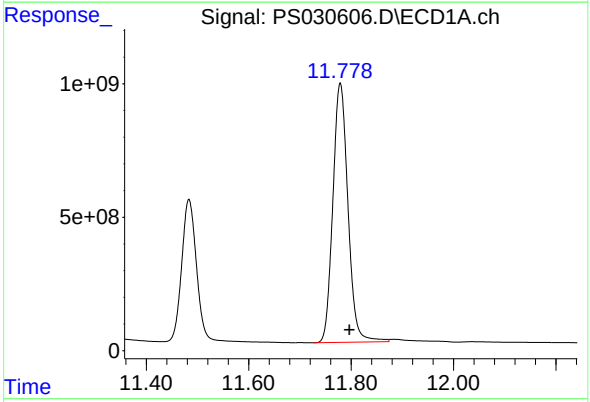
R.T.: 11.290 min
Delta R.T.: -0.016 min
Response: 10776397568
Conc: 538.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



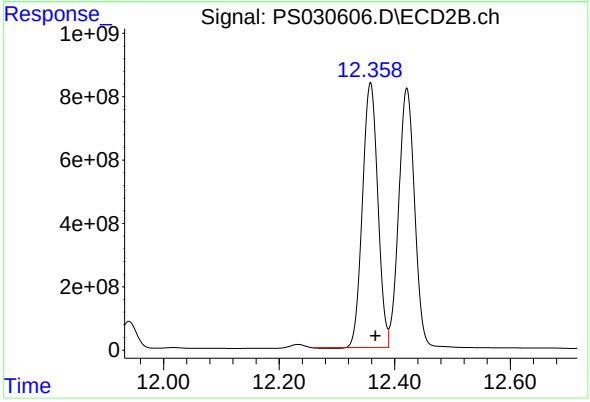
#15 Picloram

R.T.: 12.421 min
Delta R.T.: -0.009 min
Response: 15497337778
Conc: 701.75 ng/ml



#16 DCPA

R.T.: 11.779 min
Delta R.T.: -0.018 min
Response: 19887386232
Conc: 752.17 ng/ml



#16 DCPA

R.T.: 12.358 min
Delta R.T.: -0.009 min
Response: 15390116432
Conc: 752.10 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030621.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 09:10
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:03:52 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	7.357	7.768	3212.0E6	808.2E6	850.840	751.351
	Target Compounds						
1) T	Dalapon	2.715	2.711	3897.7E6	1867.6E6	690.224	681.596
2) T	3,5-DICHL...	6.515	6.713	3925.0E6	1148.8E6	723.320	734.382
3) T	4-Nitroph...	7.157	7.299	1204.8E6	1198.1E6	656.995	764.454
5) T	DICAMBA	7.549	7.971	11476.3E6	4835.2E6	744.125	750.621
6) T	MCPP	7.730	8.070	477.4E6	171.5E6	48.201	74.175 #
7) T	MCPA	7.881	8.320	901.2E6	214.6E6	71.018	69.553
8) T	DICHLORPROP	8.264	8.691	2594.7E6	1081.4E6	713.194	728.611
9) T	2,4-D	8.496	9.026	2520.2E6	1164.3E6	691.669	740.501
10) T	Pentachlo...	8.805f	9.552	39156.0E6	28109.9E6	770.997	777.847
11) T	2,4,5-TP ...	9.386	9.932	15221.0E6	10353.1E6	736.557	754.776
12) T	2,4,5-T	9.680	10.359	12913.9E6	9793.1E6	700.661	750.021
13) T	2,4-DB	10.259	10.925	1953.8E6	841.6E6	643.459	732.105
14) T	DINOSEB	11.481	11.311	10322.3E6	7567.0E6	718.075	752.928
15) T	Picloram	11.287	12.419	9819.0E6	16009.8E6	490.833	724.955 #
16) T	DCPA	11.776	12.355	19915.3E6	15705.4E6	753.223	767.503

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

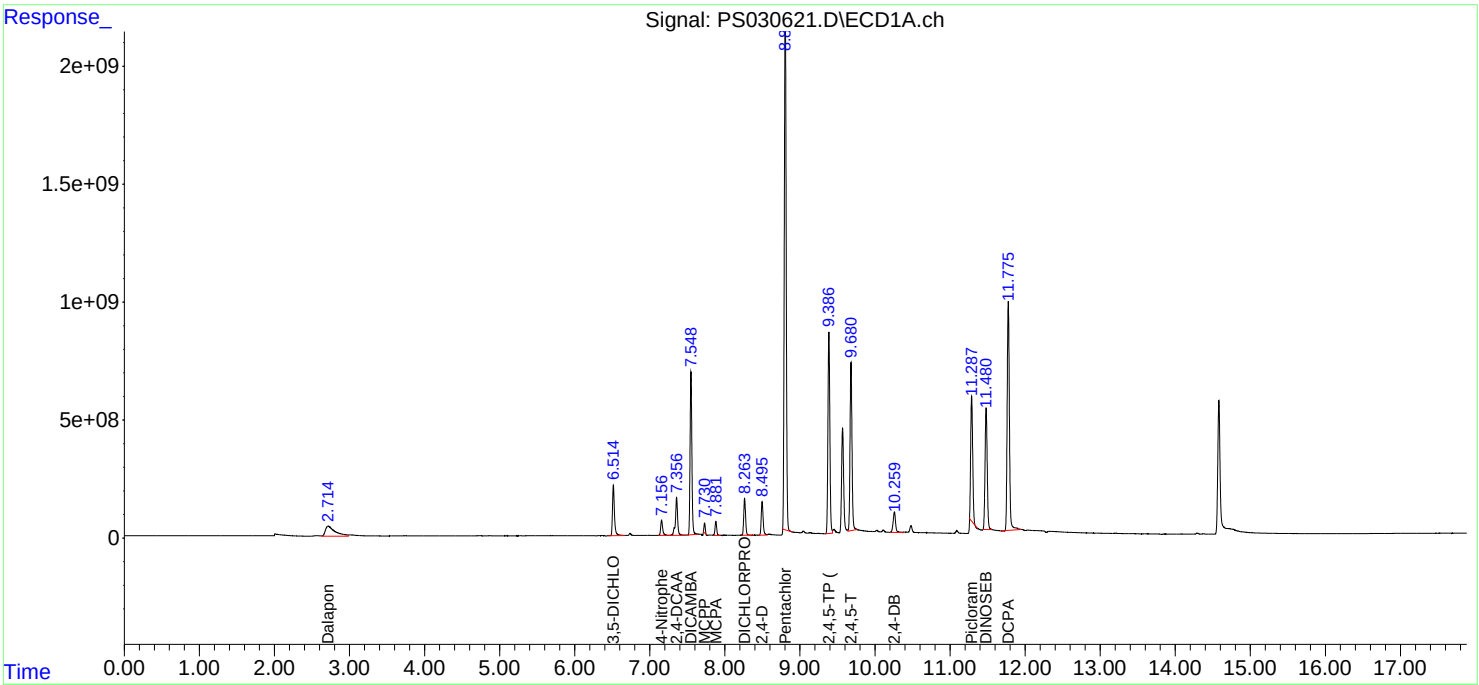
Quantitation Report (Not Reviewed)

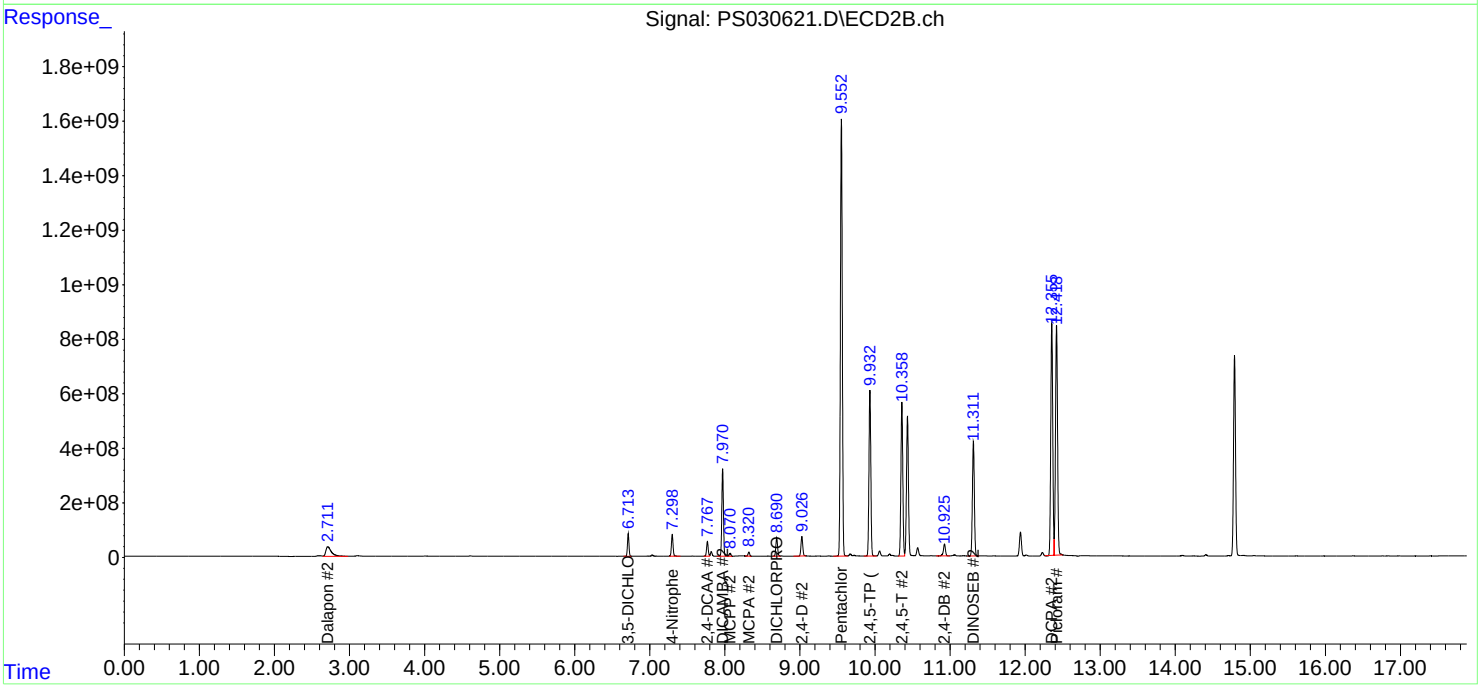
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030621.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 09:10
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

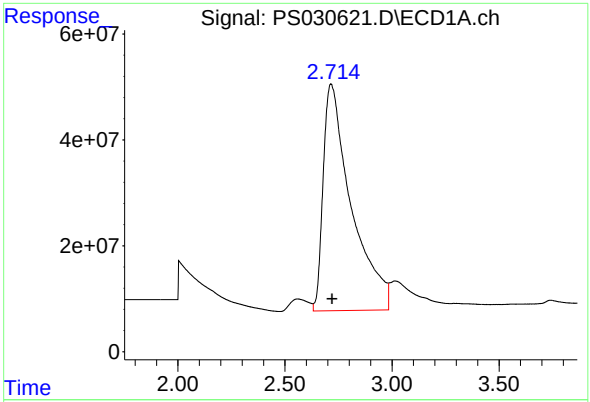
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:03:52 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 0.25µm



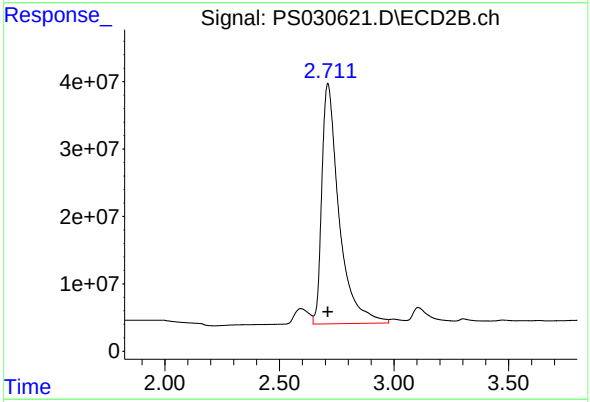




#1 Dalapon

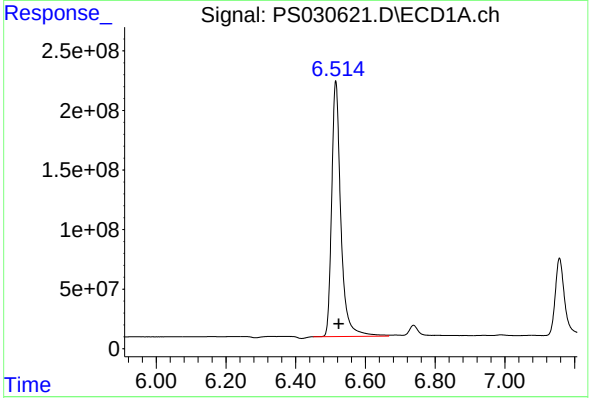
R.T.: 2.715 min
Delta R.T.: -0.005 min
Response: 3897674888
Conc: 690.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



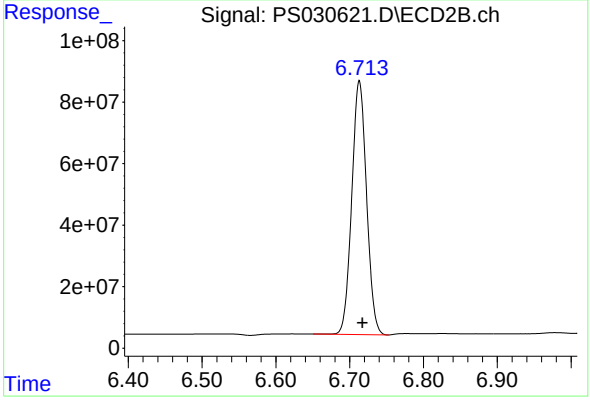
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 1867582277
Conc: 681.60 ng/ml



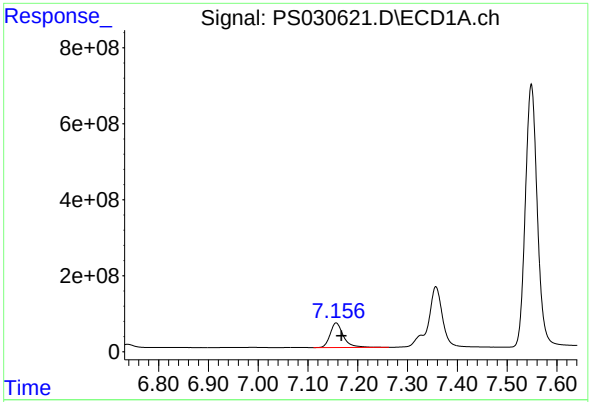
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.515 min
Delta R.T.: -0.009 min
Response: 3924988768
Conc: 723.32 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

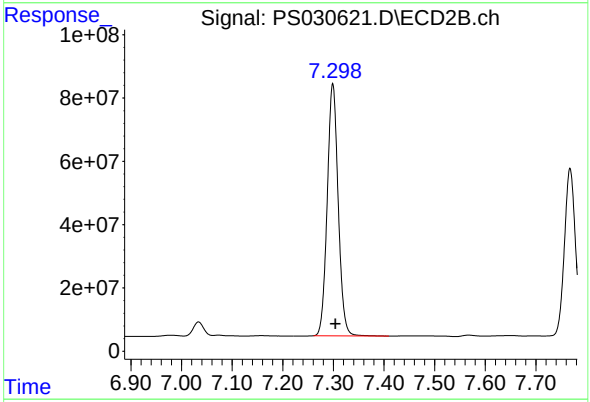
R.T.: 6.713 min
Delta R.T.: -0.004 min
Response: 1148755828
Conc: 734.38 ng/ml



#3 4-Nitrophenol

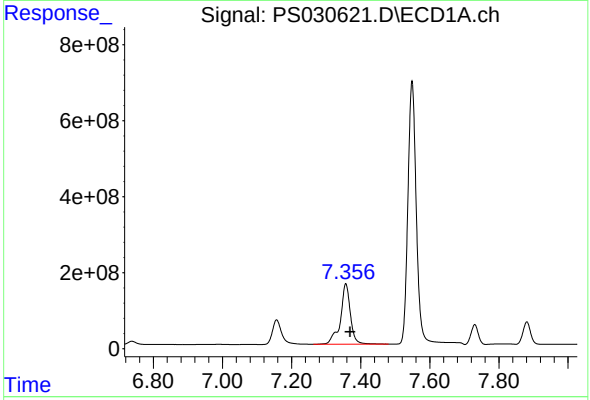
R.T.: 7.157 min
Delta R.T.: -0.010 min
Response: 1204768951
Conc: 657.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



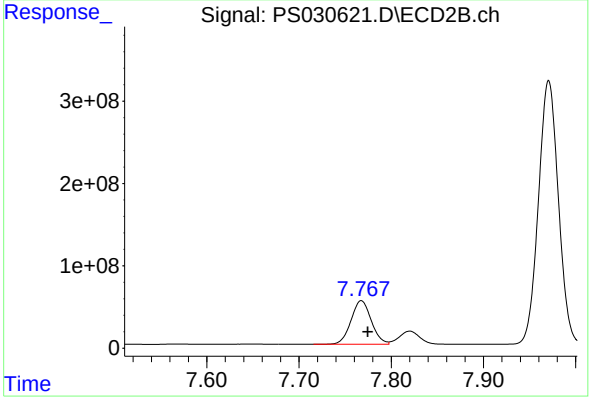
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.005 min
Response: 1198084228
Conc: 764.45 ng/ml



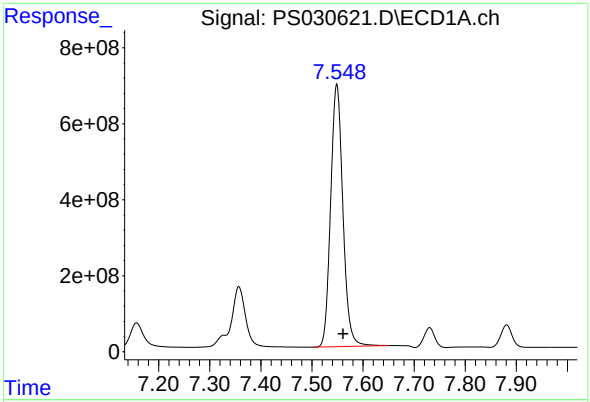
#4 2,4-DCAA

R.T.: 7.357 min
Delta R.T.: -0.012 min
Response: 3212045934
Conc: 850.84 ng/ml



#4 2,4-DCAA

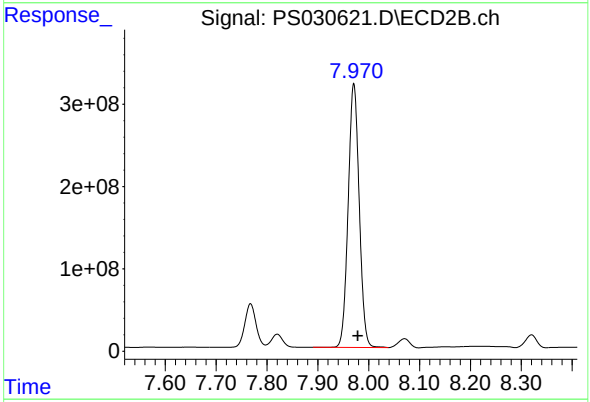
R.T.: 7.768 min
Delta R.T.: -0.007 min
Response: 808161104
Conc: 751.35 ng/ml



#5 DICAMBA

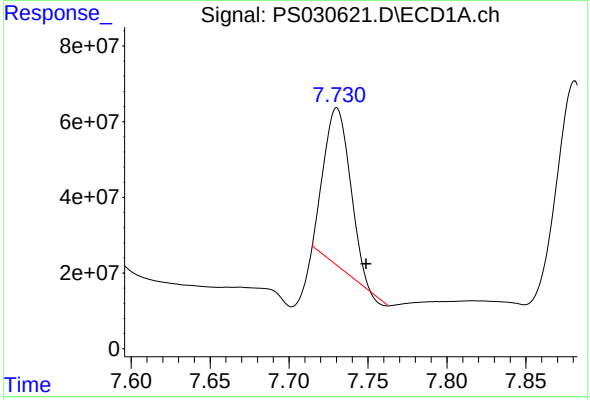
R.T.: 7.549 min
Delta R.T.: -0.013 min
Response: 11476294488
Conc: 744.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



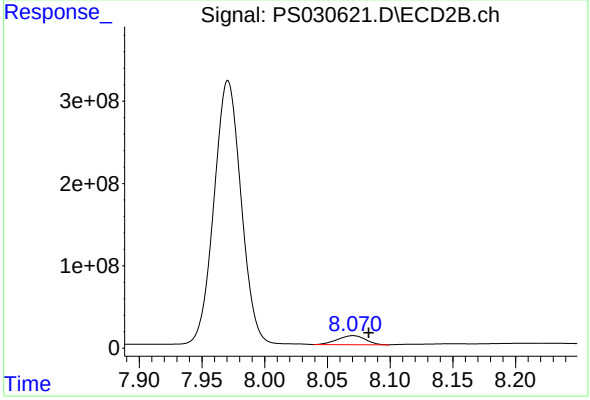
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: -0.008 min
Response: 4835233063
Conc: 750.62 ng/ml



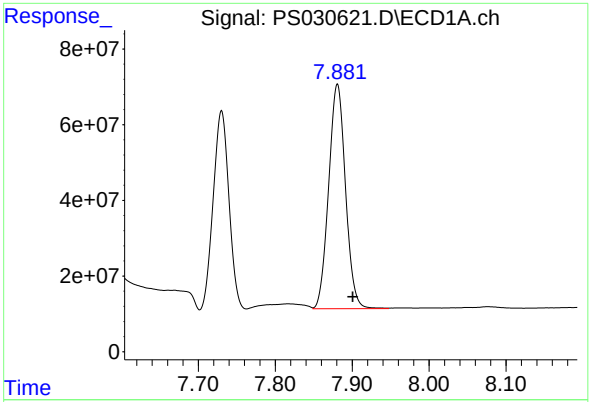
#6 MCPP

R.T.: 7.730 min
Delta R.T.: -0.019 min
Response: 477428793
Conc: 48.20 ug/ml



#6 MCPP

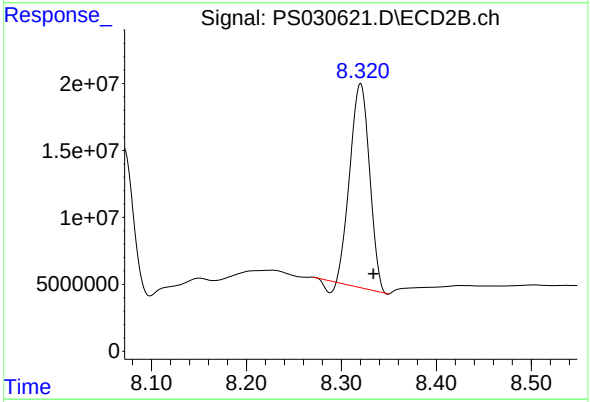
R.T.: 8.070 min
Delta R.T.: -0.013 min
Response: 171463089
Conc: 74.18 ug/ml



#7 MCPA

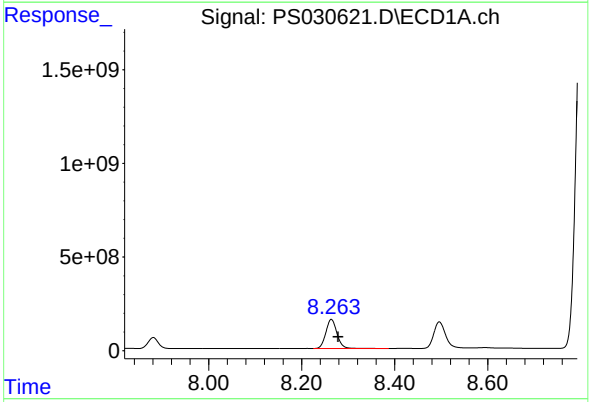
R.T.: 7.881 min
Delta R.T.: -0.020 min
Response: 901172786
Conc: 71.02 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



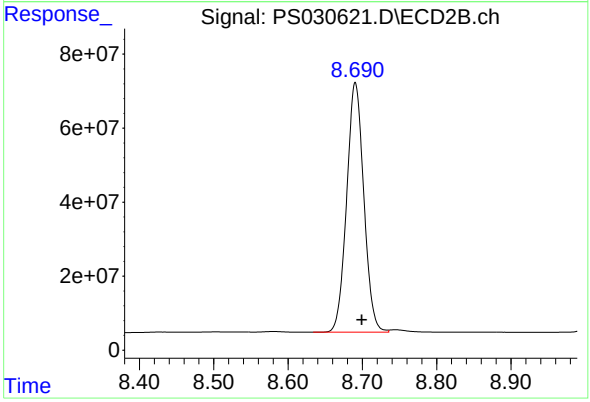
#7 MCPA

R.T.: 8.320 min
Delta R.T.: -0.014 min
Response: 214633897
Conc: 69.55 ug/ml



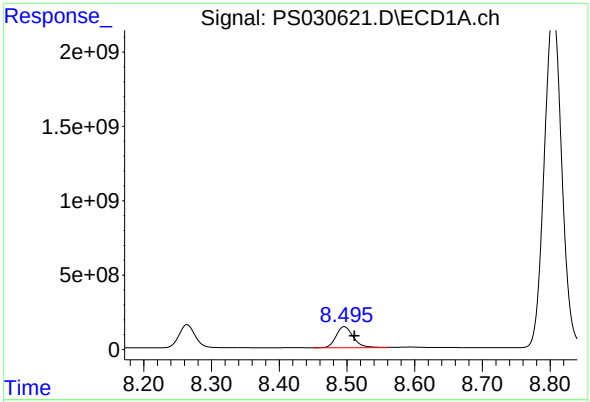
#8 DICHLORPROP

R.T.: 8.264 min
Delta R.T.: -0.015 min
Response: 2594705251
Conc: 713.19 ng/ml



#8 DICHLORPROP

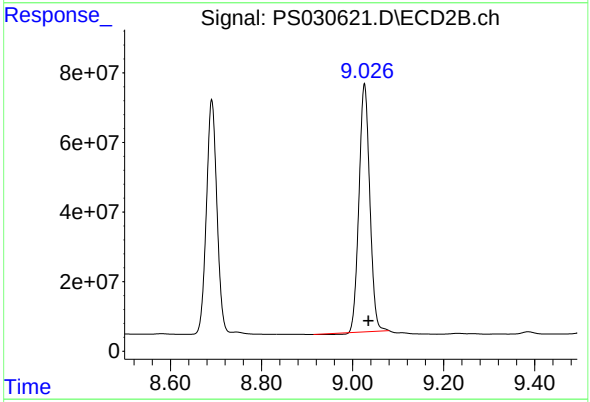
R.T.: 8.691 min
Delta R.T.: -0.008 min
Response: 1081406720
Conc: 728.61 ng/ml



#9 2,4-D

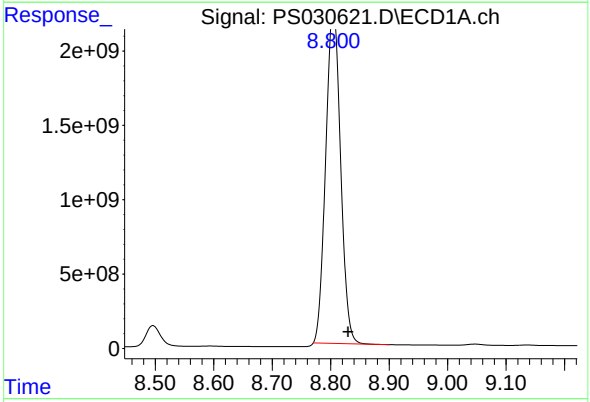
R.T.: 8.496 min
Delta R.T.: -0.015 min
Response: 2520172358
Conc: 691.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



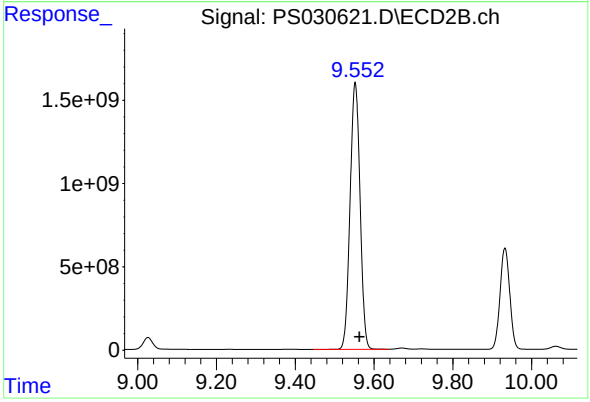
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: -0.008 min
Response: 1164305210
Conc: 740.50 ng/ml



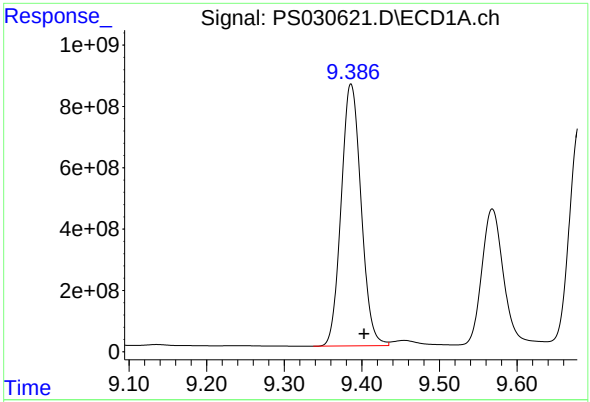
#10 Pentachlorophenol

R.T.: 8.805 min
Delta R.T.: -0.025 min
Response: 39155980088
Conc: 771.00 ng/ml



#10 Pentachlorophenol

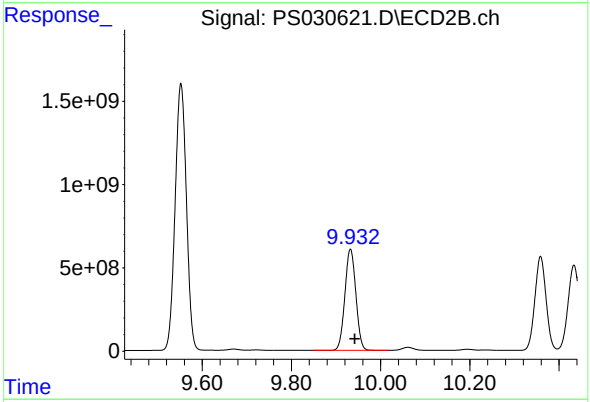
R.T.: 9.552 min
Delta R.T.: -0.011 min
Response: 28109861432
Conc: 777.85 ng/ml



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

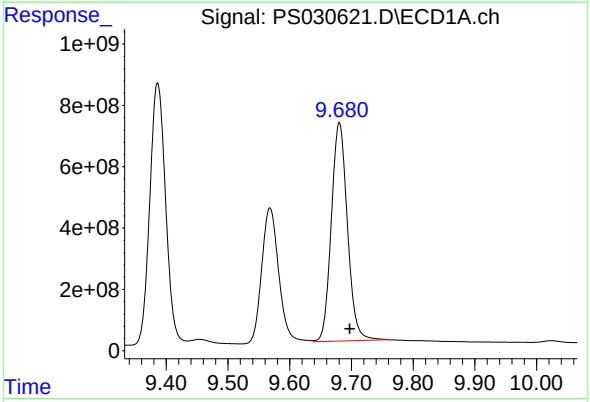
R.T.: 9.386 min
Delta R.T.: -0.017 min
Response: 15221014221
Conc: 736.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



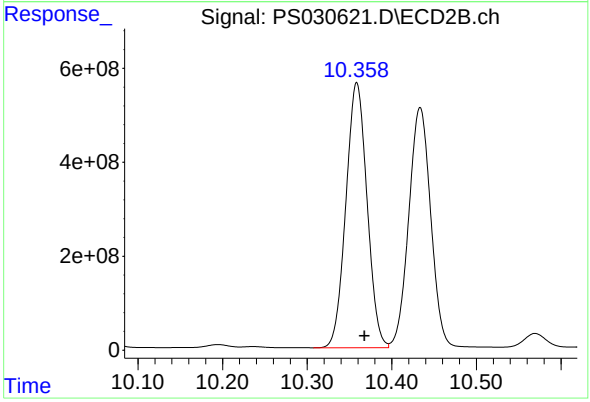
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: -0.010 min
Response: 10353072968
Conc: 754.78 ng/ml



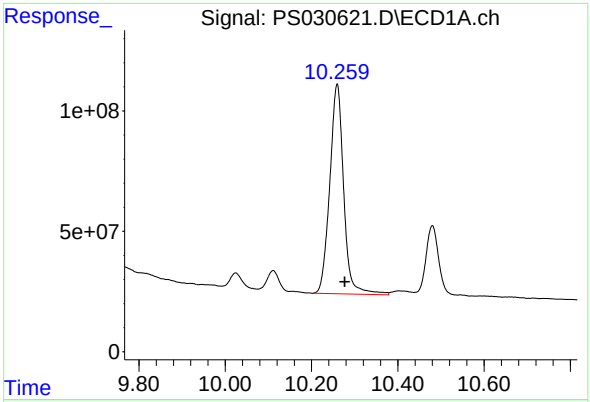
#12 2,4,5-T

R.T.: 9.680 min
Delta R.T.: -0.017 min
Response: 12913935374
Conc: 700.66 ng/ml



#12 2,4,5-T

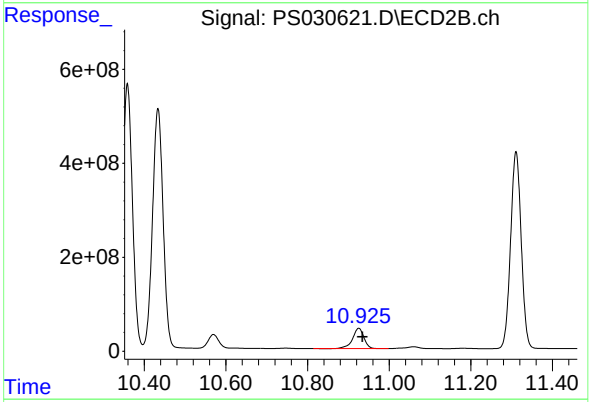
R.T.: 10.359 min
Delta R.T.: -0.009 min
Response: 9793119224
Conc: 750.02 ng/ml



#13 2,4-DB

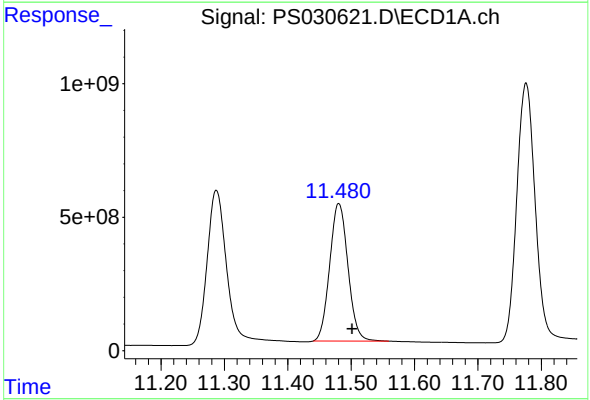
R.T.: 10.259 min
Delta R.T.: -0.018 min
Response: 1953774389
Conc: 643.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



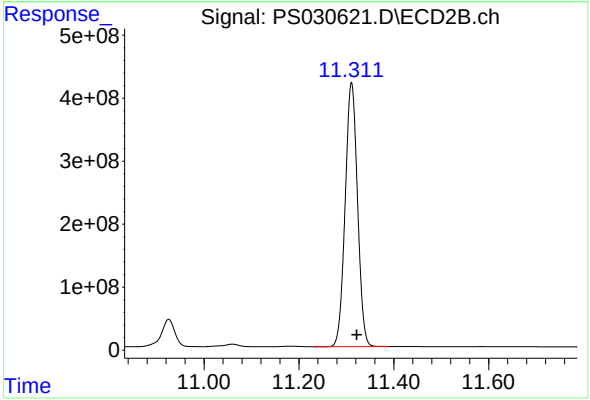
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: -0.010 min
Response: 841592901
Conc: 732.10 ng/ml



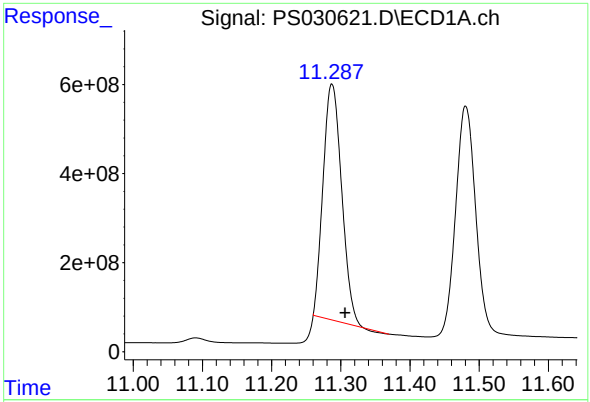
#14 DINOSEB

R.T.: 11.481 min
Delta R.T.: -0.021 min
Response: 10322276505
Conc: 718.07 ng/ml



#14 DINOSEB

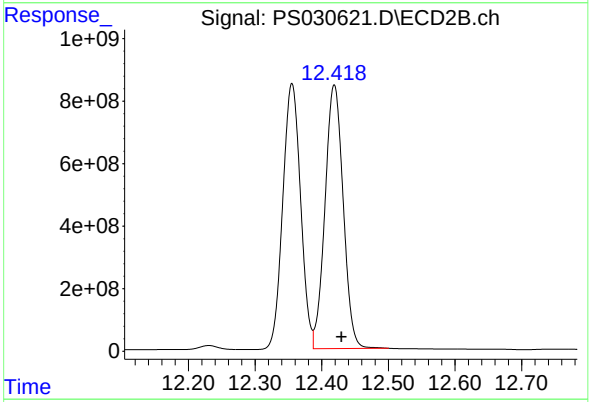
R.T.: 11.311 min
Delta R.T.: -0.011 min
Response: 7567014122
Conc: 752.93 ng/ml



#15 Picloram

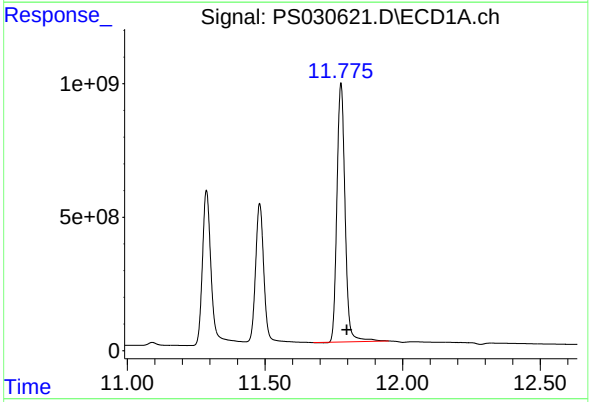
R.T.: 11.287 min
Delta R.T.: -0.019 min
Response: 9819022719
Conc: 490.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



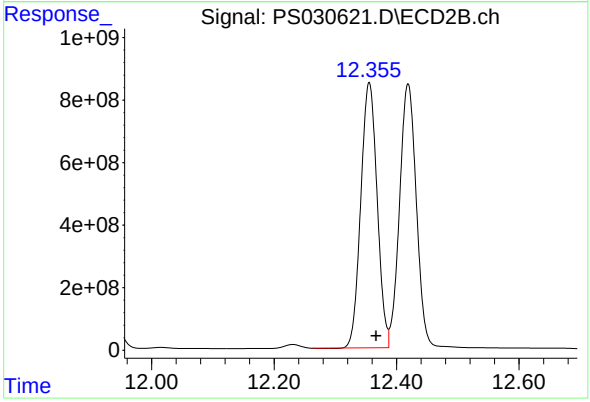
#15 Picloram

R.T.: 12.419 min
Delta R.T.: -0.011 min
Response: 16009825293
Conc: 724.96 ng/ml



#16 DCPA

R.T.: 11.776 min
Delta R.T.: -0.021 min
Response: 19915284632
Conc: 753.22 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: -0.011 min
Response: 15705365274
Conc: 767.50 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 14:06
Operator : AR\AJ
Sample : PB168375BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168375BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:05:13 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	7.357	7.764	2092.5E6	523.3E6	554.282	486.489
	Target Compounds						
1) T	Dalapon	2.714	2.705	2651.9E6	1235.8E6	469.606	451.033
2) T	3,5-DICHL...	6.515	6.709	2539.3E6	738.3E6	467.956	472.003
3) T	4-Nitroph...	7.157	7.295	775.0E6	749.1E6	422.631	477.960
5) T	DICAMBA	7.548	7.967	7387.8E6	3007.6E6	479.025	466.900
6) T	MCPP	7.730	8.065	292.1E6	100.2E6	29.485	43.345 #
7) T	MCPA	7.880	8.314	542.3E6	120.6E6	42.738	39.086
8) T	DICHLORPROP	8.264	8.687	1685.0E6	698.3E6	463.150	470.466
9) T	2,4-D	8.497	9.023	1692.8E6	762.5E6	464.598	484.938
10) T	Pentachlo...	8.806	9.548	26098.6E6	17948.6E6	513.891	496.667
11) T	2,4,5-TP ...	9.387	9.930	9885.4E6	6634.3E6	478.363	483.662
12) T	2,4,5-T	9.682	10.355	8282.3E6	6257.6E6	449.365	479.250
13) T	2,4-DB	10.262	10.923	1241.9E6	539.6E6	409.023	469.415
14) T	DINOSEB	11.482	11.309	6657.3E6	4743.4E6	463.120	471.977
15) T	Picloram	11.290	12.416	6647.1E6	9842.2E6	332.274	445.675 #
16) T	DCPA	11.778	12.353	13054.3E6	10204.2E6	493.732	498.666

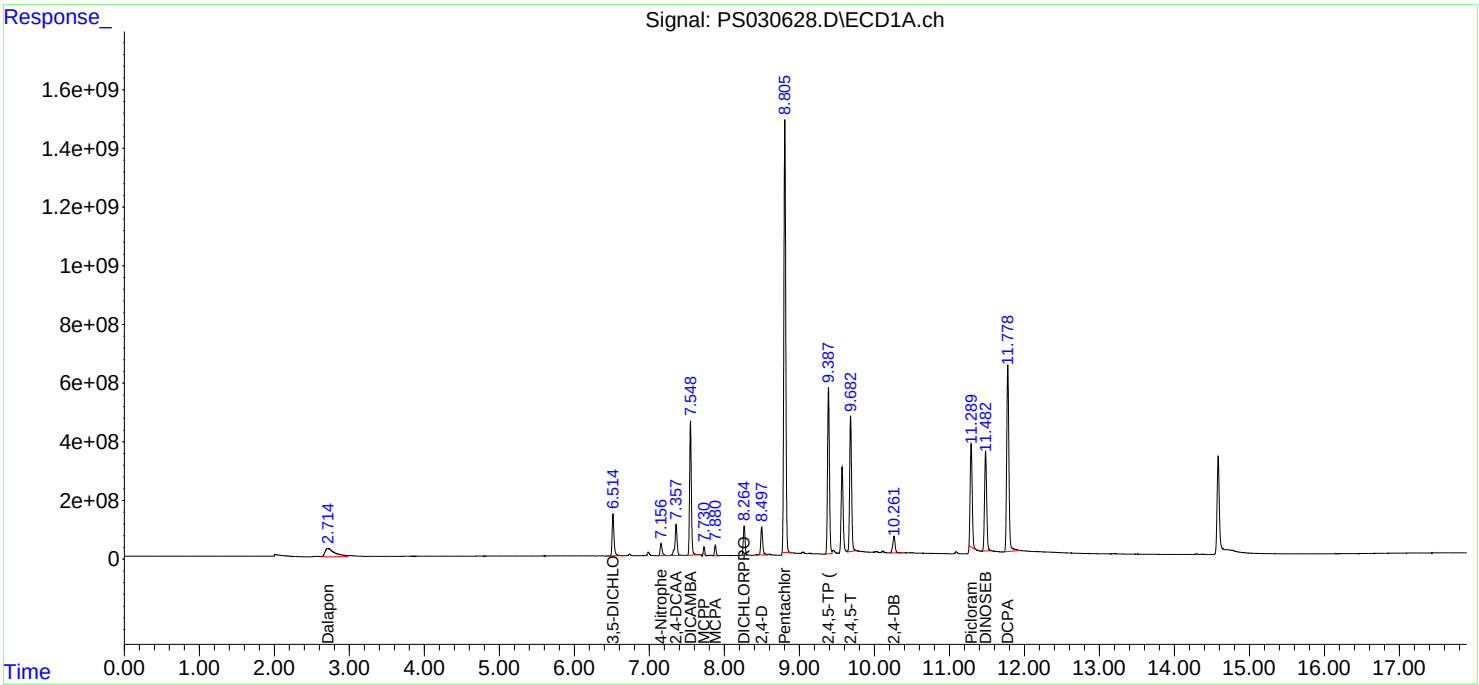
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

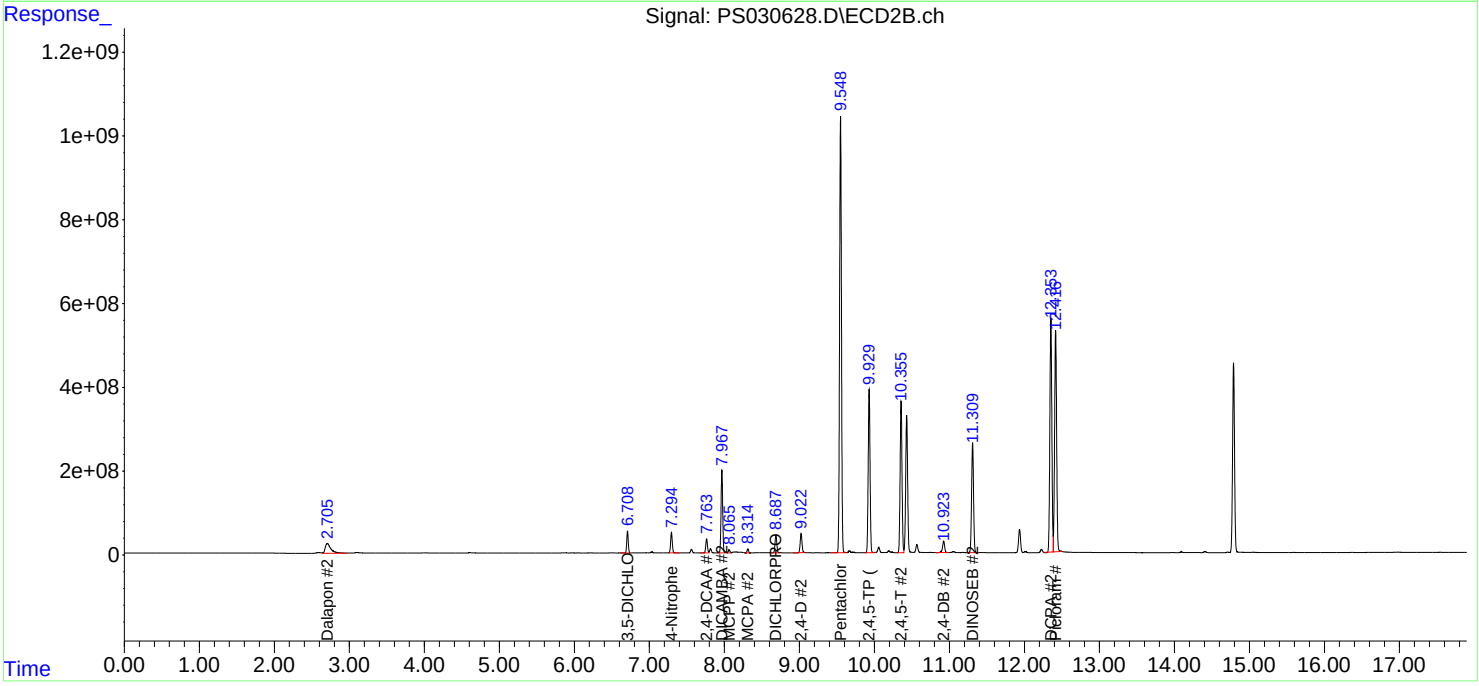
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 14:06
Operator : AR\AJ
Sample : PB168375BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

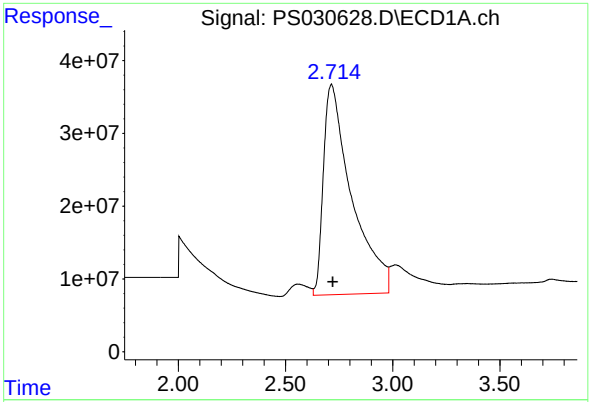
Instrument :
ECD_S
ClientSampleId :
PB168375BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:05:13 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 0.25µm



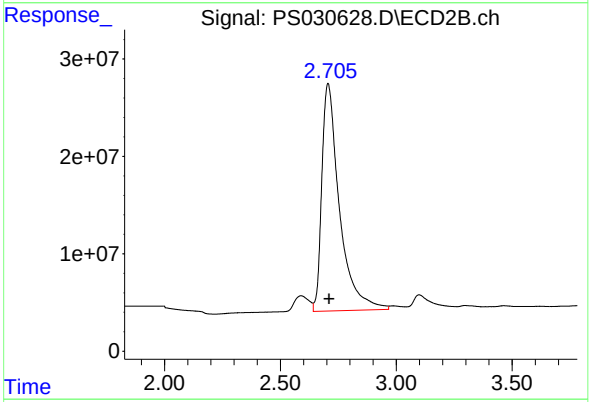




#1 Dalapon

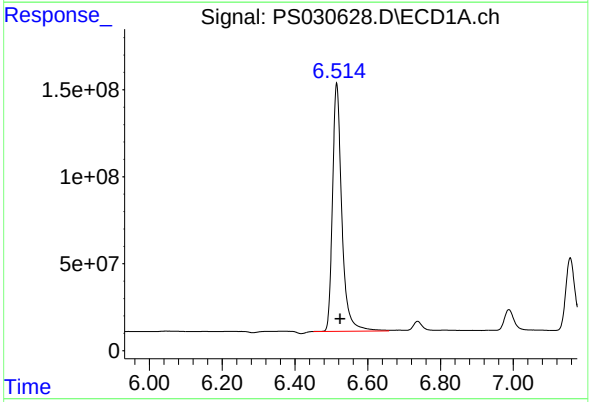
R.T.: 2.714 min
Delta R.T.: -0.006 min
Response: 2651852790
Conc: 469.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS



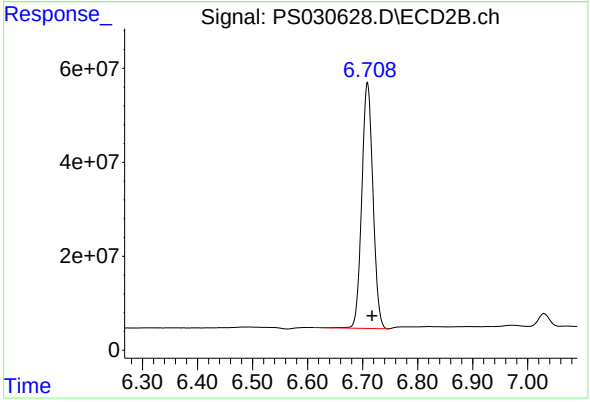
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: -0.005 min
Response: 1235837159
Conc: 451.03 ng/ml



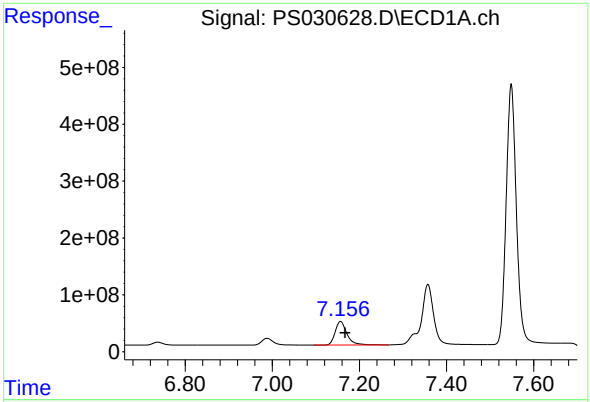
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.515 min
Delta R.T.: -0.009 min
Response: 2539290626
Conc: 467.96 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

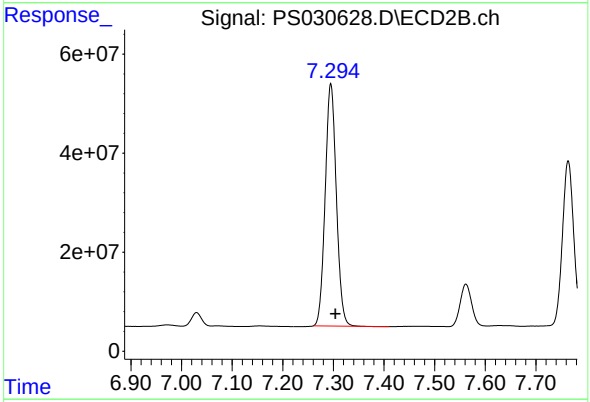
R.T.: 6.709 min
Delta R.T.: -0.008 min
Response: 738329826
Conc: 472.00 ng/ml



#3 4-Nitrophenol

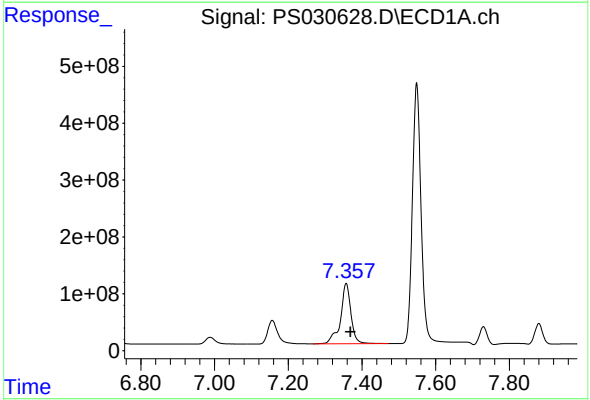
R.T.: 7.157 min
Delta R.T.: -0.010 min
Response: 775002407
Conc: 422.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS



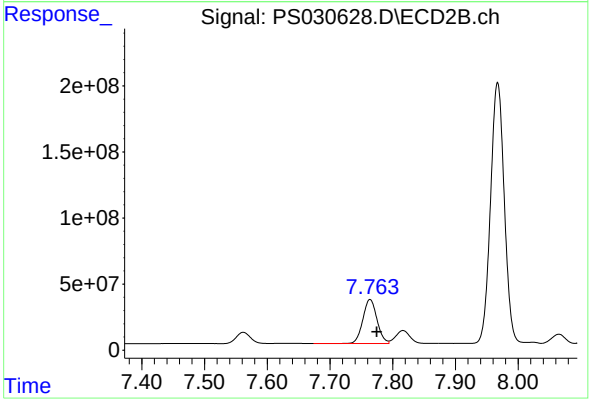
#3 4-Nitrophenol

R.T.: 7.295 min
Delta R.T.: -0.009 min
Response: 749079164
Conc: 477.96 ng/ml



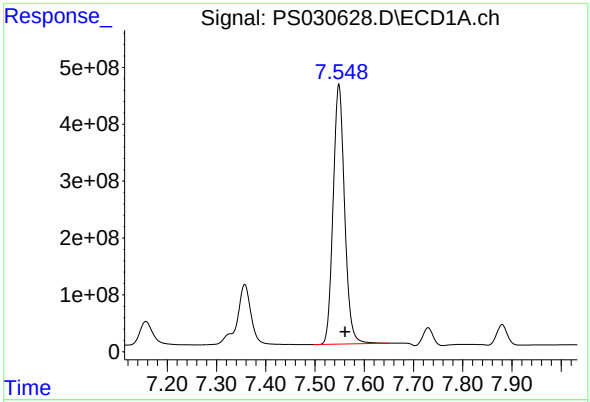
#4 2,4-DCAA

R.T.: 7.357 min
Delta R.T.: -0.012 min
Response: 2092493668
Conc: 554.28 ng/ml



#4 2,4-DCAA

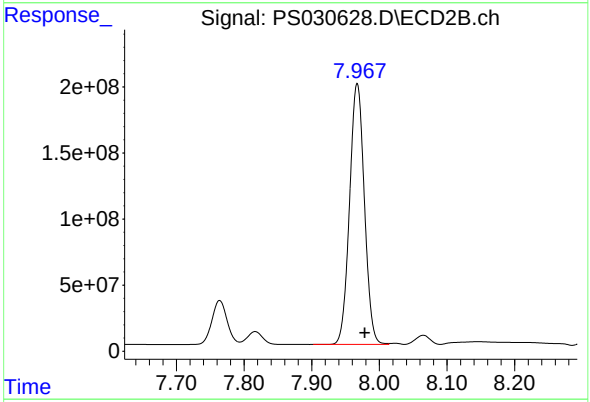
R.T.: 7.764 min
Delta R.T.: -0.011 min
Response: 523272289
Conc: 486.49 ng/ml



#5 DICAMBA

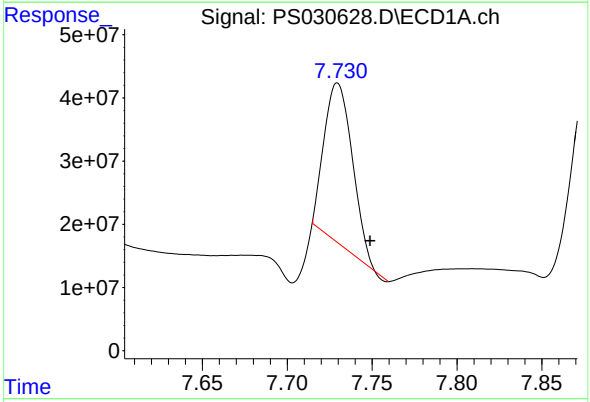
R.T.: 7.548 min
Delta R.T.: -0.013 min
Response: 7387776111
Conc: 479.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS



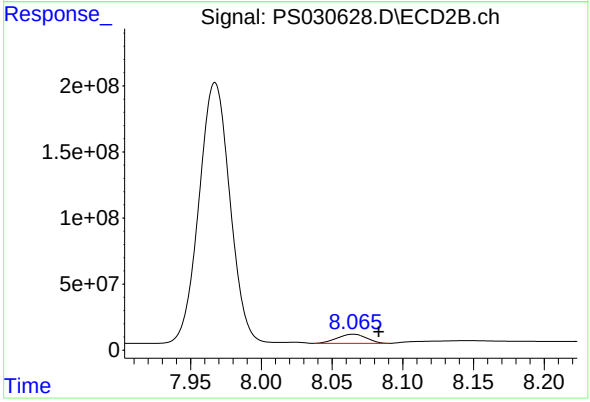
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.011 min
Response: 3007607395
Conc: 466.90 ng/ml



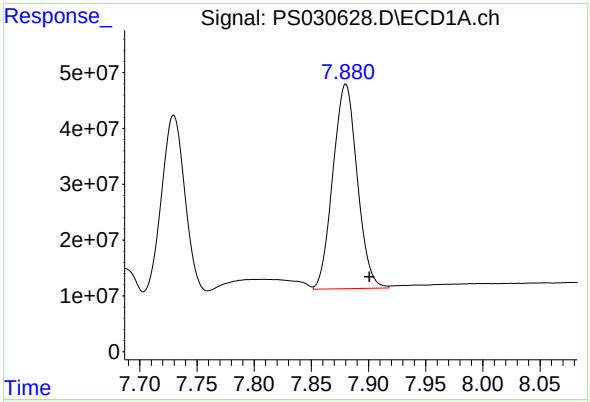
#6 MCPP

R.T.: 7.730 min
Delta R.T.: -0.019 min
Response: 292050434
Conc: 29.49 ug/ml



#6 MCPP

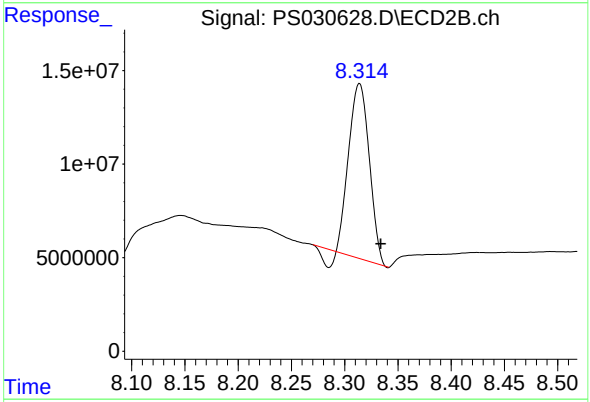
R.T.: 8.065 min
Delta R.T.: -0.018 min
Response: 100195503
Conc: 43.34 ug/ml



#7 MCPA

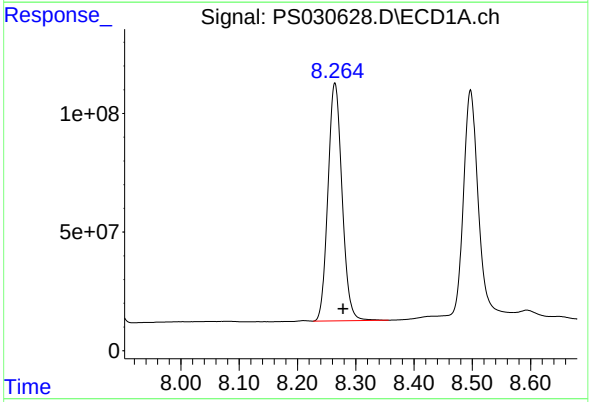
R.T.: 7.880 min
Delta R.T.: -0.021 min
Response: 542320287
Conc: 42.74 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS



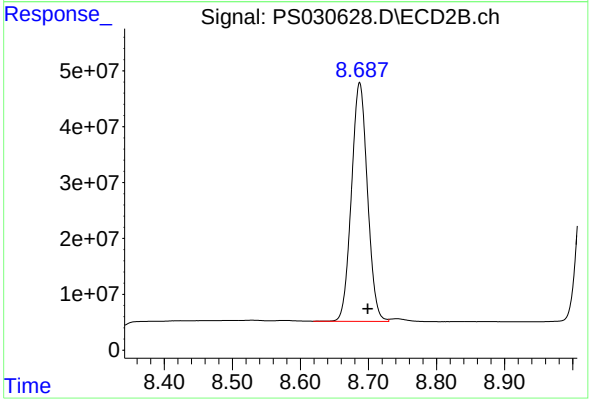
#7 MCPA

R.T.: 8.314 min
Delta R.T.: -0.020 min
Response: 120616964
Conc: 39.09 ug/ml



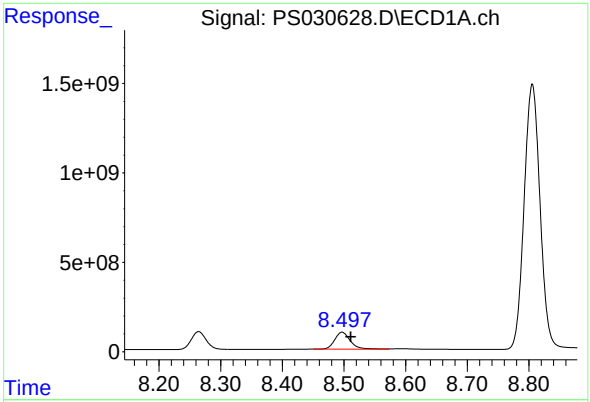
#8 DICHLORPROP

R.T.: 8.264 min
Delta R.T.: -0.014 min
Response: 1685006367
Conc: 463.15 ng/ml



#8 DICHLORPROP

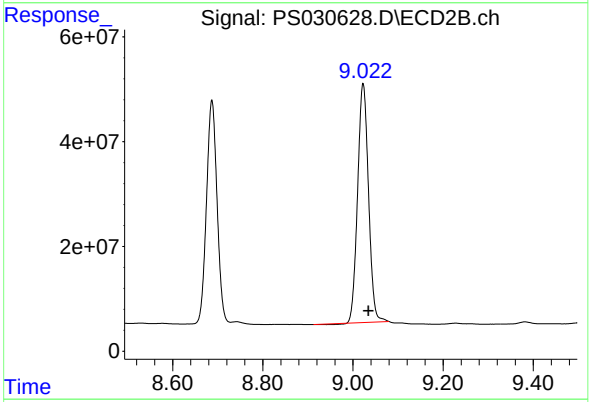
R.T.: 8.687 min
Delta R.T.: -0.012 min
Response: 698266823
Conc: 470.47 ng/ml



#9 2,4-D

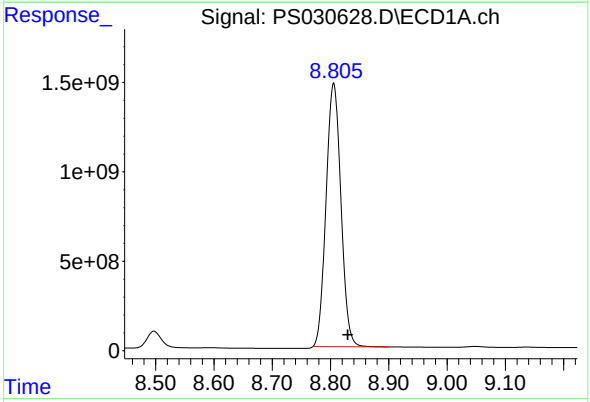
R.T.: 8.497 min
Delta R.T.: -0.014 min
Response: 1692816302
Conc: 464.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS



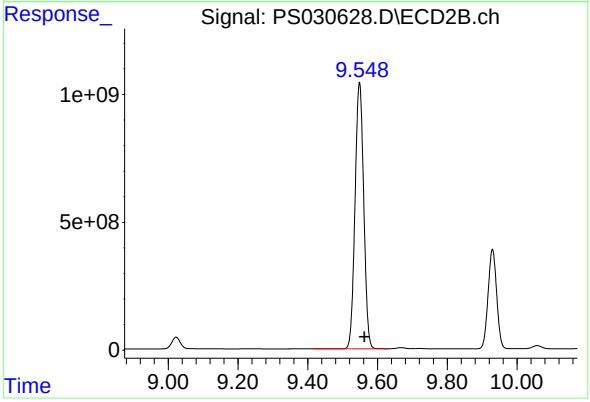
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: -0.012 min
Response: 762478700
Conc: 484.94 ng/ml



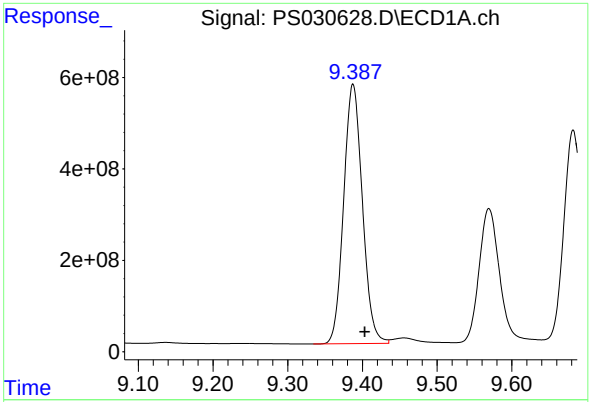
#10 Pentachlorophenol

R.T.: 8.806 min
Delta R.T.: -0.024 min
Response: 26098579055
Conc: 513.89 ng/ml



#10 Pentachlorophenol

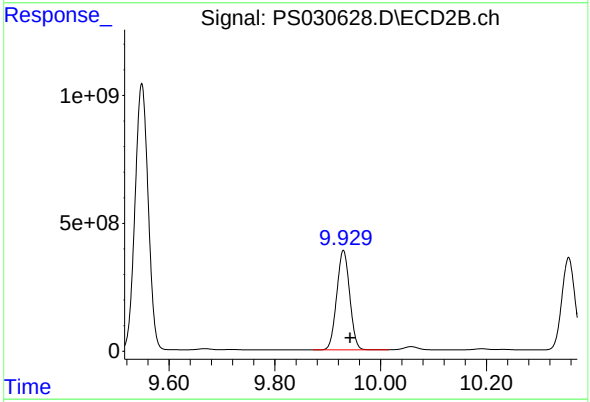
R.T.: 9.548 min
Delta R.T.: -0.015 min
Response: 17948560321
Conc: 496.67 ng/ml



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

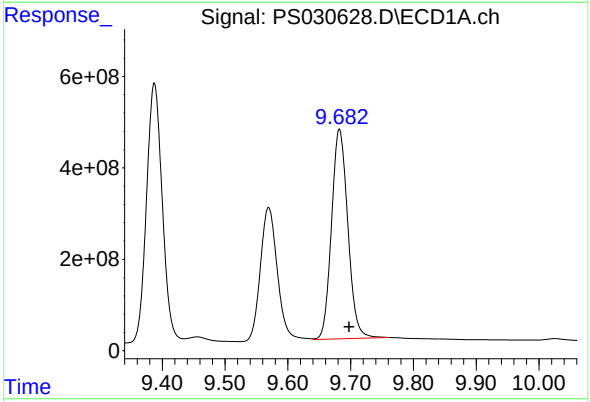
R.T.: 9.387 min
Delta R.T.: -0.016 min
Response: 9885410470
Conc: 478.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS



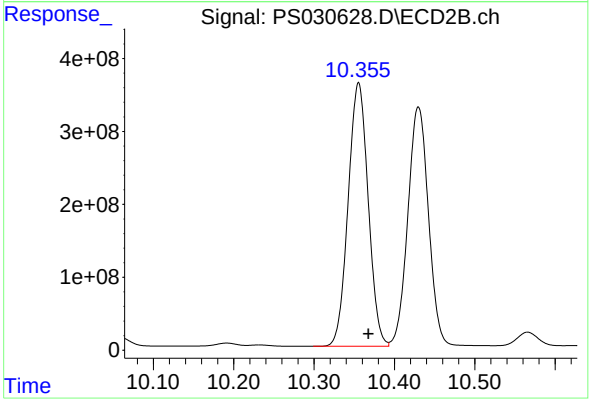
#11 2,4,5-TP (SILVEX)

R.T.: 9.930 min
Delta R.T.: -0.013 min
Response: 6634260663
Conc: 483.66 ng/ml



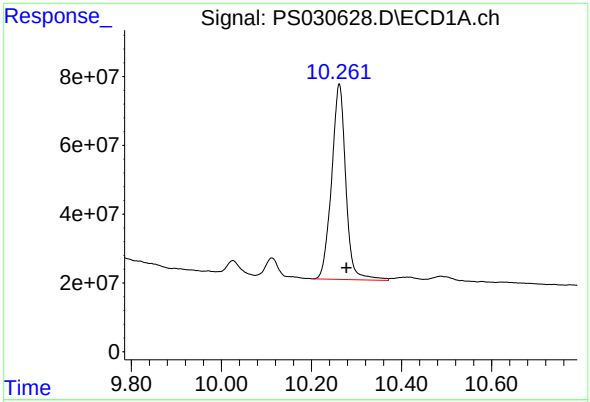
#12 2,4,5-T

R.T.: 9.682 min
Delta R.T.: -0.015 min
Response: 8282271932
Conc: 449.36 ng/ml



#12 2,4,5-T

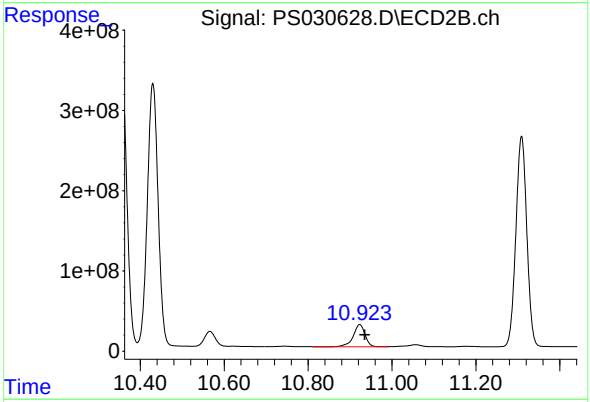
R.T.: 10.355 min
Delta R.T.: -0.012 min
Response: 6257625464
Conc: 479.25 ng/ml



#13 2,4-DB

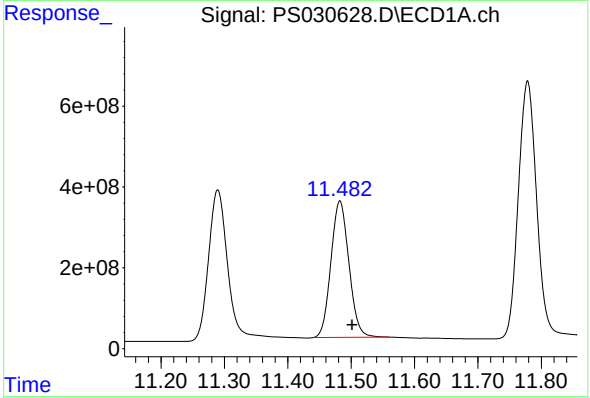
R.T.: 10.262 min
Delta R.T.: -0.016 min
Response: 1241944142
Conc: 409.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS



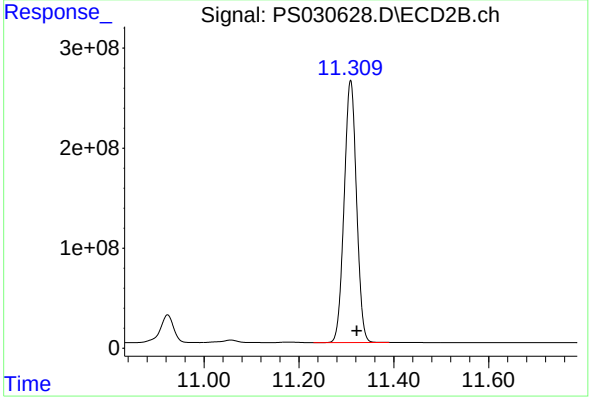
#13 2,4-DB

R.T.: 10.923 min
Delta R.T.: -0.012 min
Response: 539617468
Conc: 469.42 ng/ml



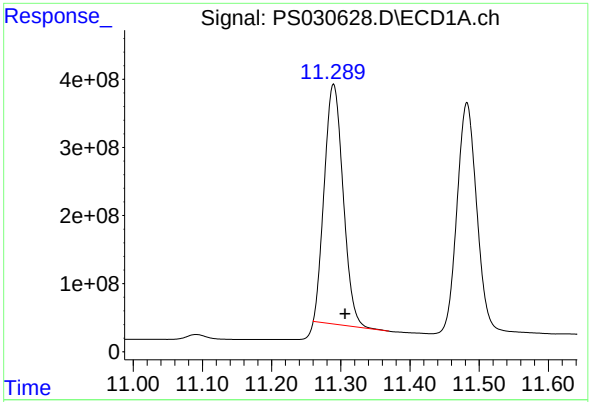
#14 DINOSEB

R.T.: 11.482 min
Delta R.T.: -0.019 min
Response: 6657324497
Conc: 463.12 ng/ml



#14 DINOSEB

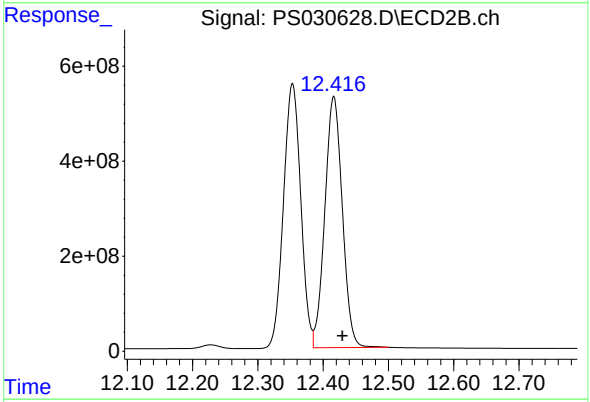
R.T.: 11.309 min
Delta R.T.: -0.013 min
Response: 4743421541
Conc: 471.98 ng/ml



#15 Picloram

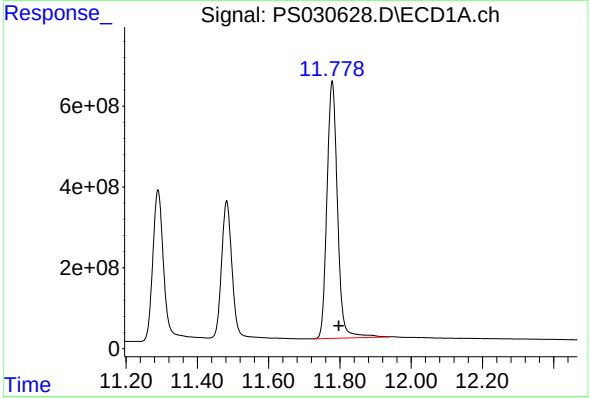
R.T.: 11.290 min
Delta R.T.: -0.017 min
Response: 6647069158
Conc: 332.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168375BS



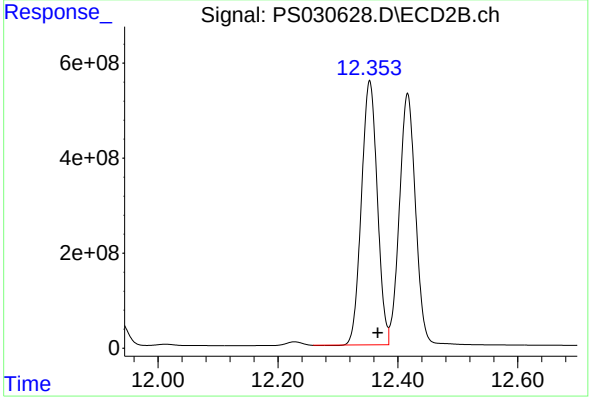
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.013 min
Response: 9842229168
Conc: 445.67 ng/ml



#16 DCPA

R.T.: 11.778 min
Delta R.T.: -0.019 min
Response: 13054332717
Conc: 493.73 ng/ml



#16 DCPA

R.T.: 12.353 min
Delta R.T.: -0.014 min
Response: 10204173090
Conc: 498.67 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 15:32
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:05:38 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	7.357	7.765	3062.3E6	781.3E6	811.179	726.416
	Target Compounds						
1) T	Dalapon	2.711	2.707	3913.3E6	1845.9E6	692.985	673.699
2) T	3,5-DICHL...	6.514	6.710	3730.7E6	1101.5E6	687.515	704.159
3) T	4-Nitroph...	7.156	7.296	1155.2E6	1150.1E6	629.982	733.862
5) T	DICAMBA	7.548	7.968	10962.5E6	4608.3E6	710.811	715.393
6) T	MCPP	7.730	8.068	446.8E6	158.8E6	45.108	68.680 #
7) T	MCPA	7.881	8.317	856.1E6	198.6E6	67.464	64.371
8) T	DICHLORPROP	8.264	8.688	2471.6E6	1031.0E6	679.349	694.625
9) T	2,4-D	8.497	9.023	2486.1E6	1124.1E6	682.316	714.950
10) T	Pentachlo...	8.805	9.550	38053.4E6	26983.0E6	749.287	746.664
11) T	2,4,5-TP ...	9.387	9.931	14650.6E6	9941.4E6	708.952	724.765
12) T	2,4,5-T	9.681	10.357	12475.0E6	9432.0E6	676.848	722.368
13) T	2,4-DB	10.261	10.924	1899.8E6	806.3E6	625.666	701.440
14) T	DINOSEB	11.482	11.310	9929.6E6	7238.7E6	690.759	720.259
15) T	Picloram	11.289	12.418	9791.5E6	15645.9E6	489.459	708.475 #
16) T	DCPA	11.778	12.354	19129.6E6	15422.6E6	723.508	753.685

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

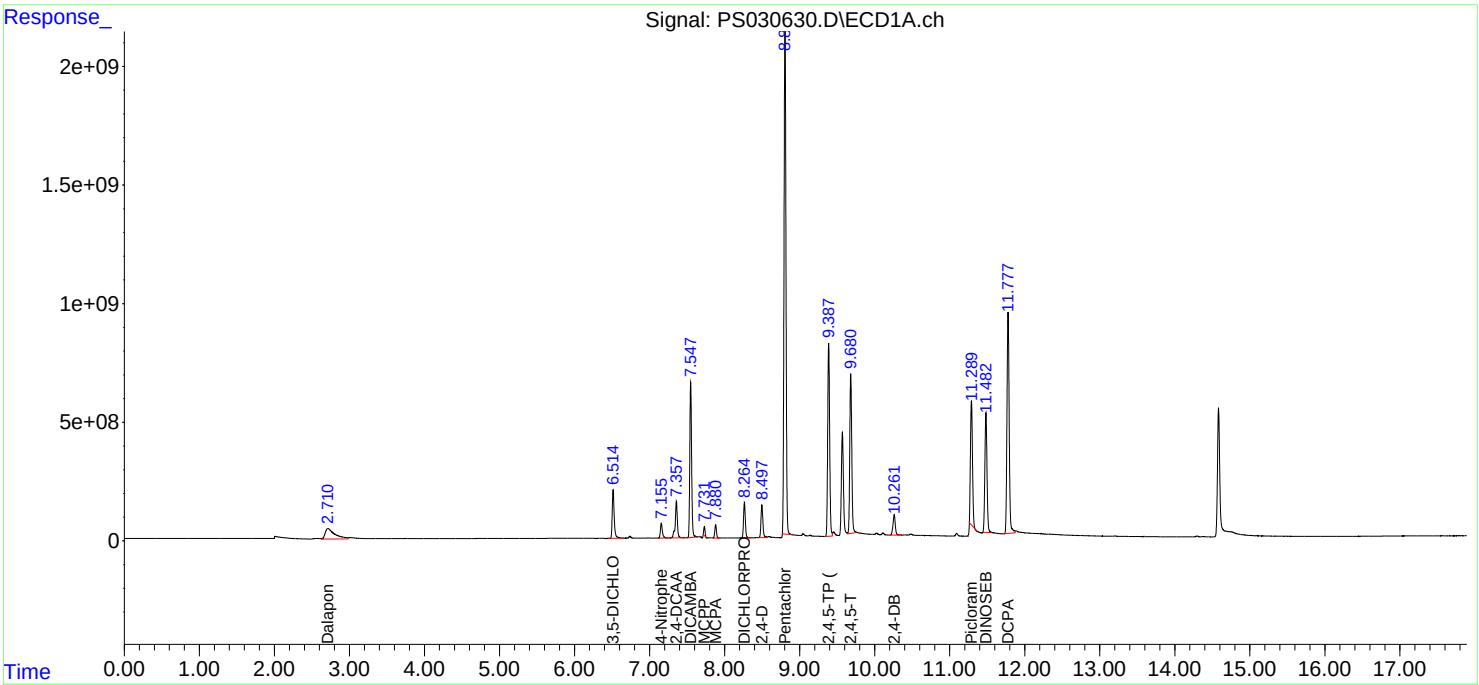
Quantitation Report (Not Reviewed)

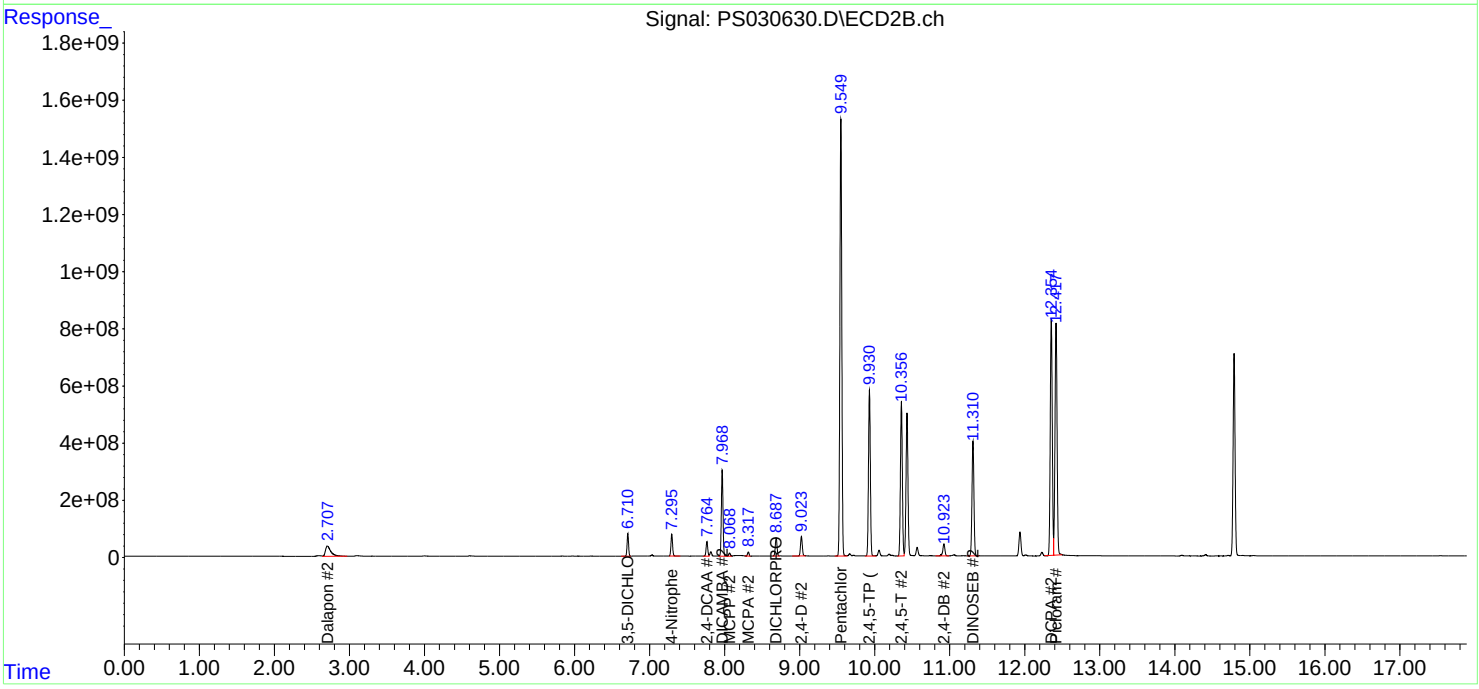
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061125\
Data File : PS030630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 15:32
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

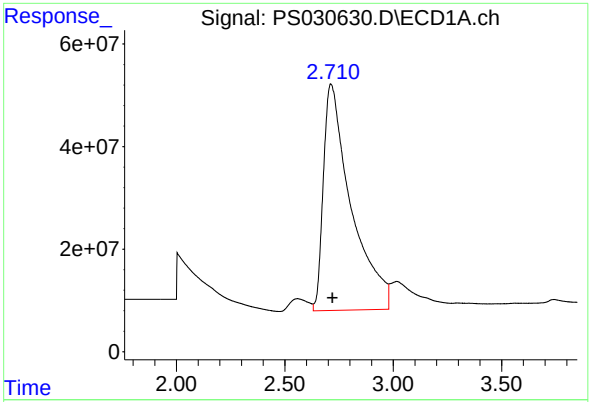
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 02:05:38 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 0.25µm



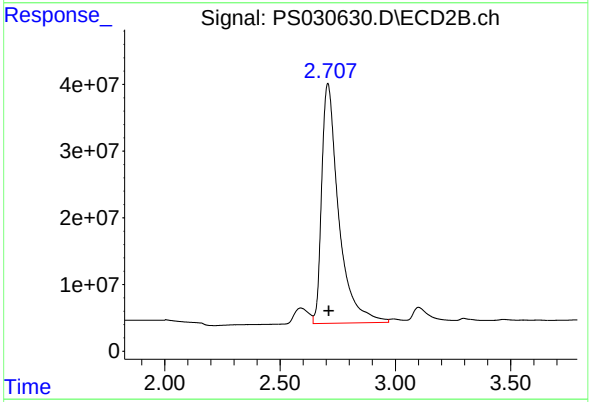




#1 Dalapon

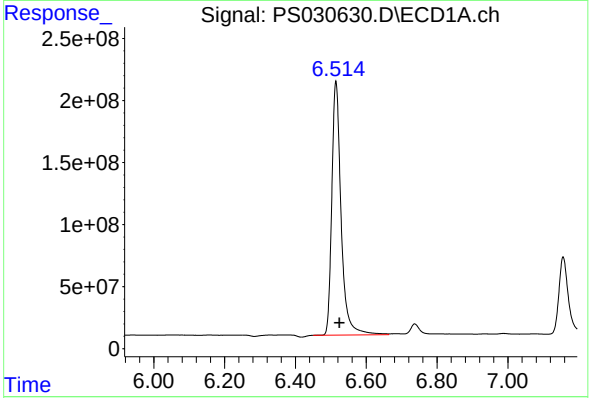
R.T.: 2.711 min
Delta R.T.: -0.009 min
Response: 3913267124
Conc: 692.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



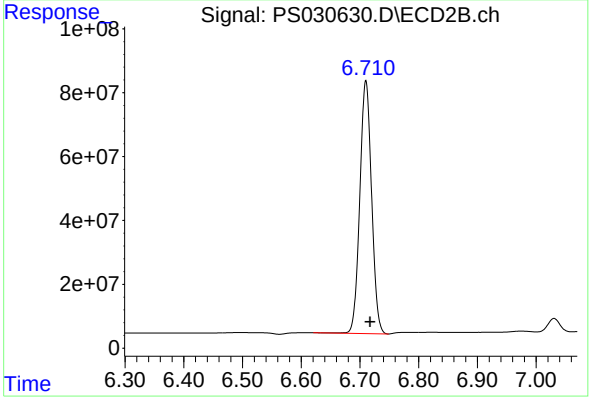
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: -0.003 min
Response: 1845944536
Conc: 673.70 ng/ml



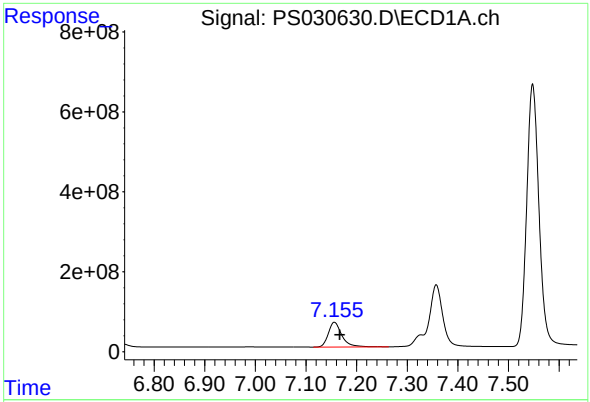
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.514 min
Delta R.T.: -0.010 min
Response: 3730696759
Conc: 687.51 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

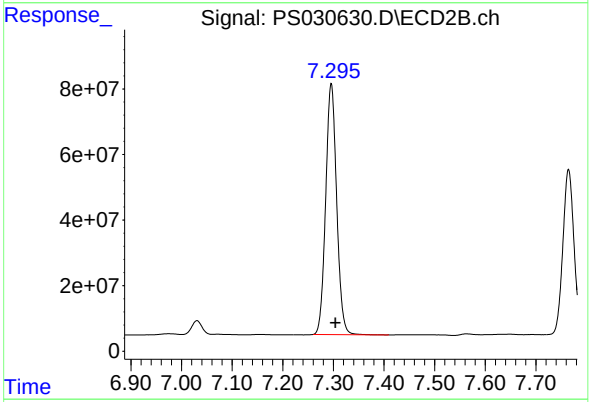
R.T.: 6.710 min
Delta R.T.: -0.007 min
Response: 1101479134
Conc: 704.16 ng/ml



#3 4-Nitrophenol

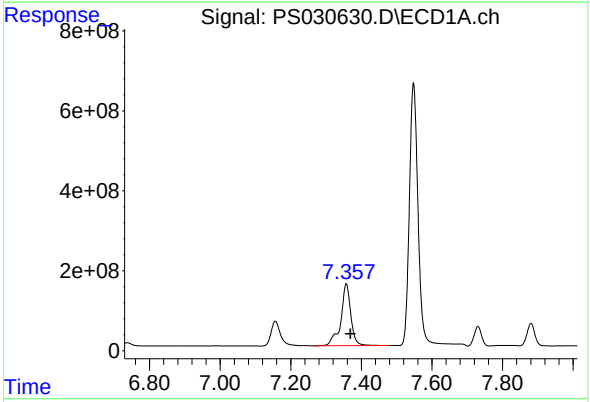
R.T.: 7.156 min
Delta R.T.: -0.011 min
Response: 1155233179
Conc: 629.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



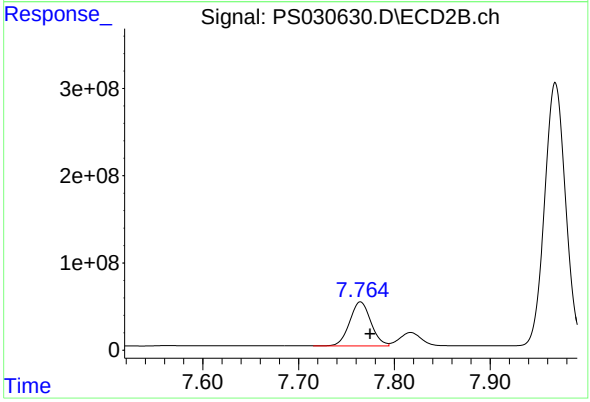
#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: -0.008 min
Response: 1150140399
Conc: 733.86 ng/ml



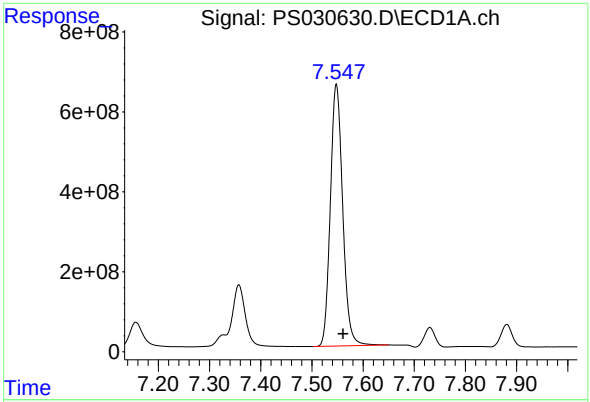
#4 2,4-DCAA

R.T.: 7.357 min
Delta R.T.: -0.012 min
Response: 3062319817
Conc: 811.18 ng/ml



#4 2,4-DCAA

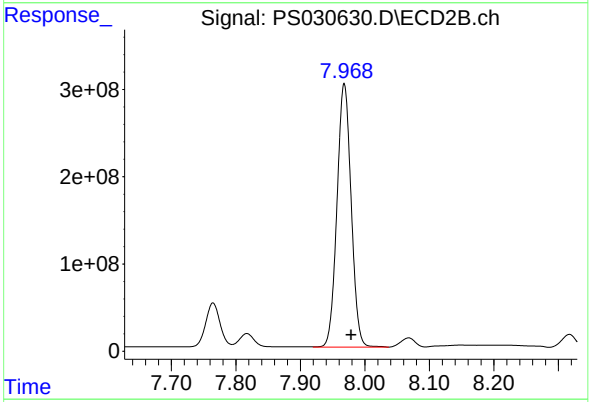
R.T.: 7.765 min
Delta R.T.: -0.010 min
Response: 781340122
Conc: 726.42 ng/ml



#5 DICAMBA

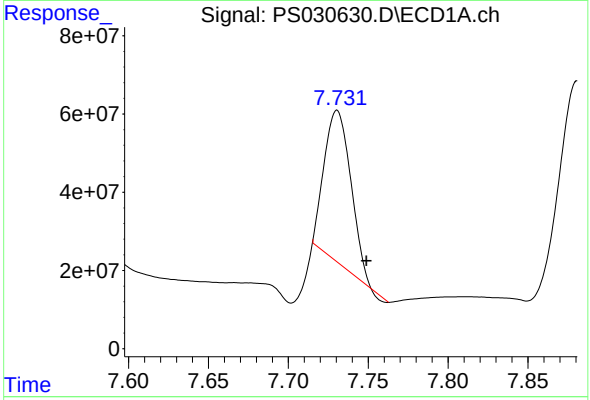
R.T.: 7.548 min
Delta R.T.: -0.014 min
Response: 10962503521
Conc: 710.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



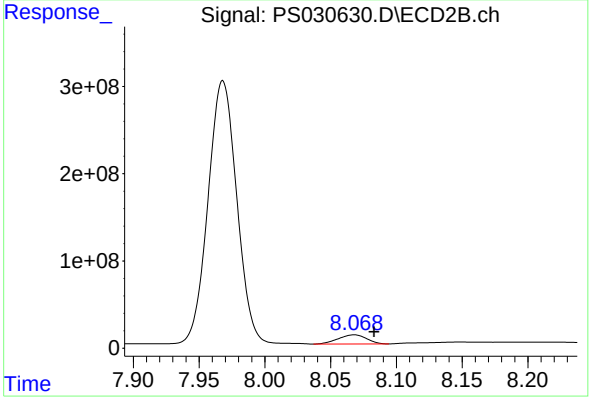
#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: -0.010 min
Response: 4608307460
Conc: 715.39 ng/ml



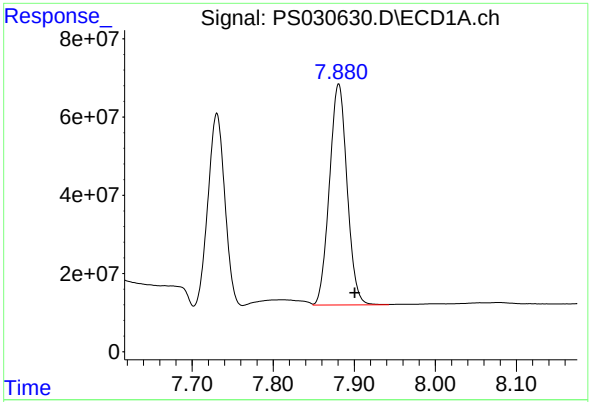
#6 MCPP

R.T.: 7.730 min
Delta R.T.: -0.018 min
Response: 446789574
Conc: 45.11 ug/ml



#6 MCPP

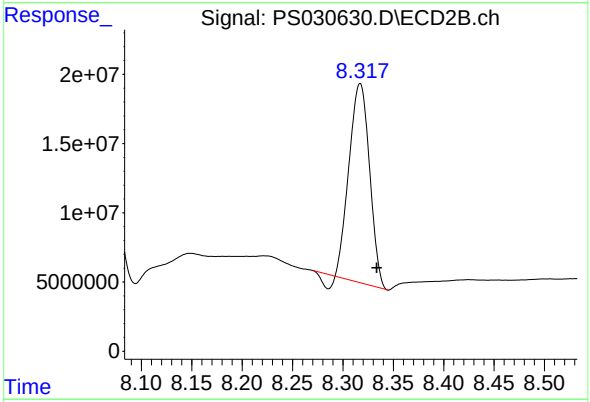
R.T.: 8.068 min
Delta R.T.: -0.015 min
Response: 158760870
Conc: 68.68 ug/ml



#7 MCPA

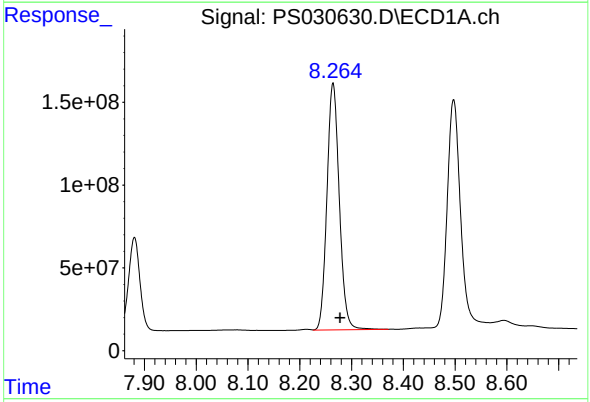
R.T.: 7.881 min
Delta R.T.: -0.020 min
Response: 856073075
Conc: 67.46 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



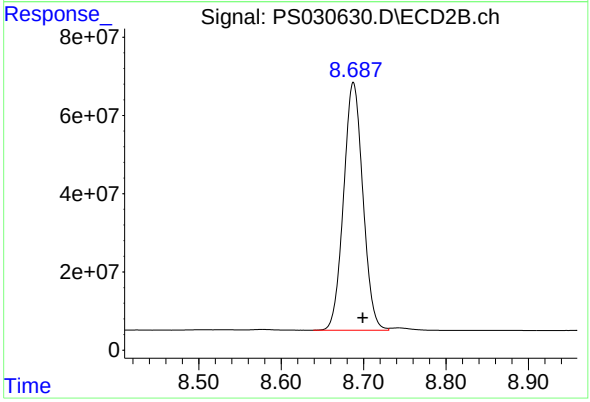
#7 MCPA

R.T.: 8.317 min
Delta R.T.: -0.017 min
Response: 198644627
Conc: 64.37 ug/ml



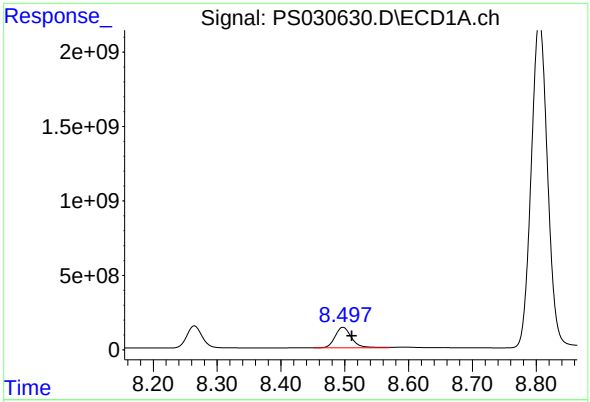
#8 DICHLORPROP

R.T.: 8.264 min
Delta R.T.: -0.014 min
Response: 2471569551
Conc: 679.35 ng/ml



#8 DICHLORPROP

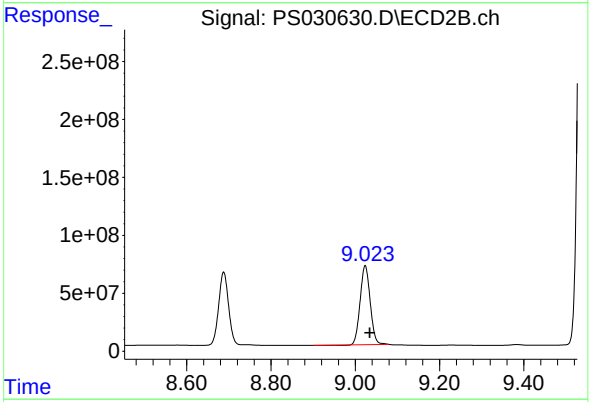
R.T.: 8.688 min
Delta R.T.: -0.011 min
Response: 1030964760
Conc: 694.62 ng/ml



#9 2,4-D

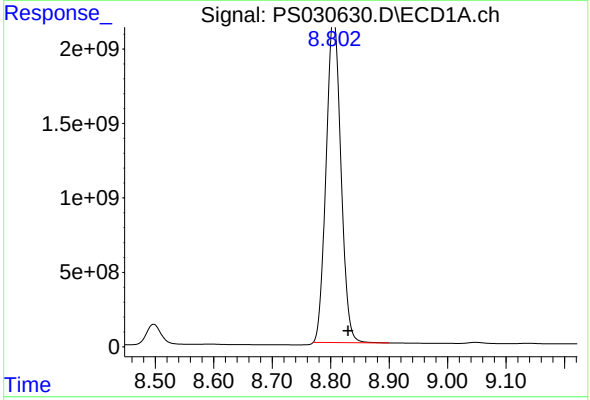
R.T.: 8.497 min
Delta R.T.: -0.014 min
Response: 2486095711
Conc: 682.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



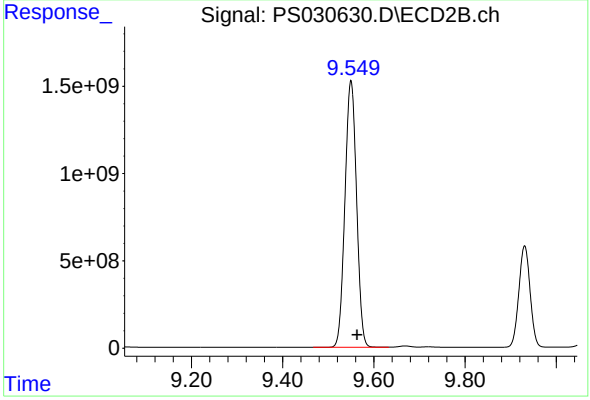
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: -0.011 min
Response: 1124131417
Conc: 714.95 ng/ml



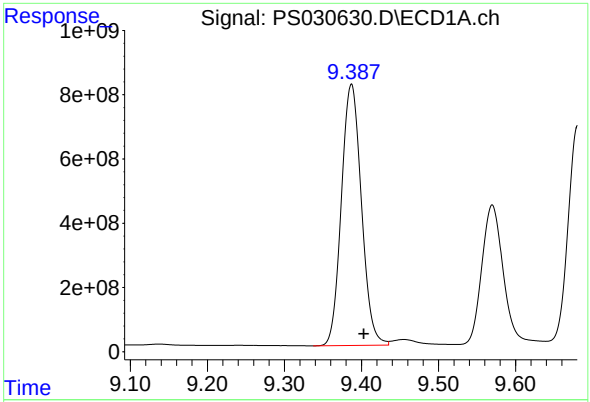
#10 Pentachlorophenol

R.T.: 8.805 min
Delta R.T.: -0.025 min
Response: 38053401760
Conc: 749.29 ng/ml



#10 Pentachlorophenol

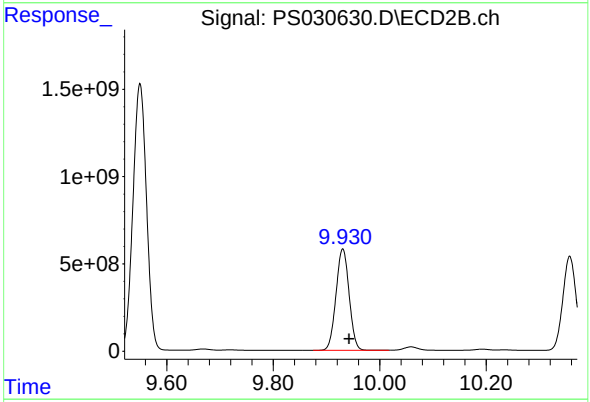
R.T.: 9.550 min
Delta R.T.: -0.013 min
Response: 26982972443
Conc: 746.66 ng/ml



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

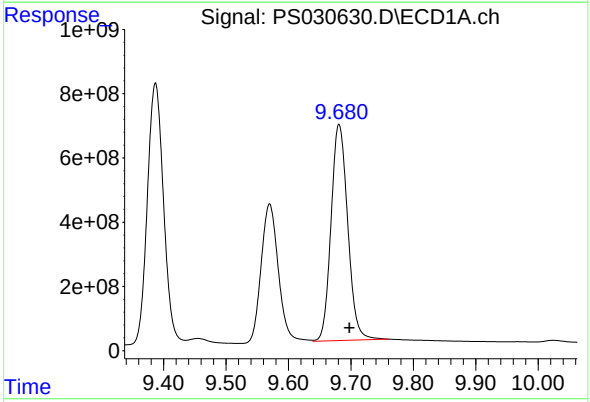
R.T.: 9.387 min
Delta R.T.: -0.016 min
Response: 14650562230
Conc: 708.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



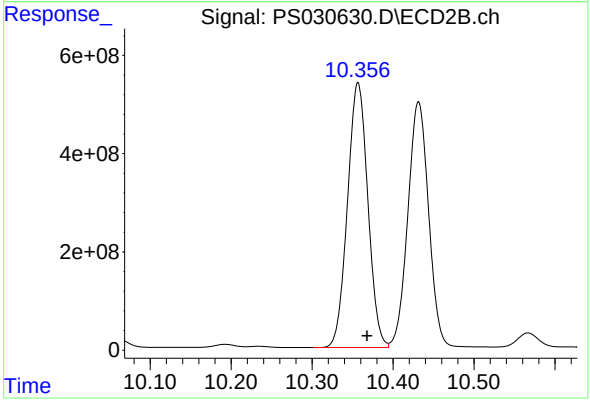
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: -0.012 min
Response: 9941417568
Conc: 724.77 ng/ml



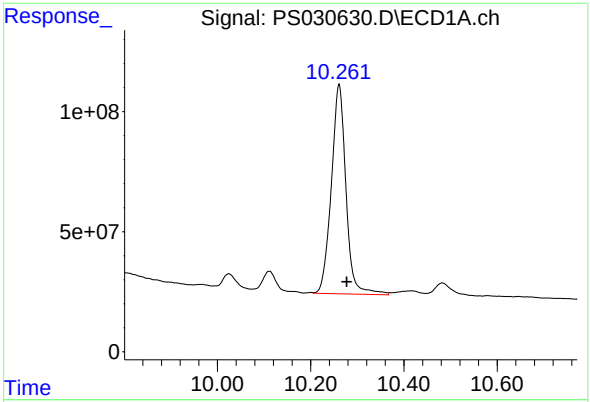
#12 2,4,5-T

R.T.: 9.681 min
Delta R.T.: -0.016 min
Response: 12475027972
Conc: 676.85 ng/ml



#12 2,4,5-T

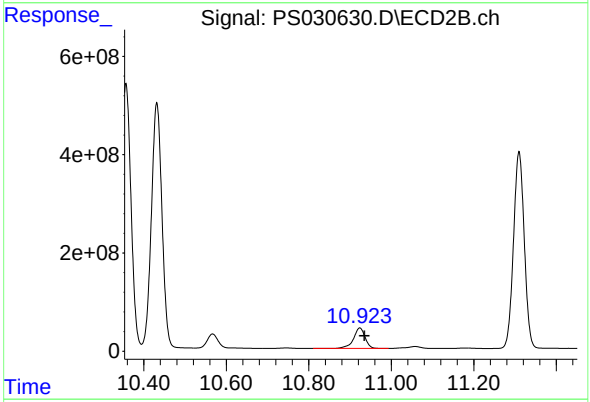
R.T.: 10.357 min
Delta R.T.: -0.011 min
Response: 9432048215
Conc: 722.37 ng/ml



#13 2,4-DB

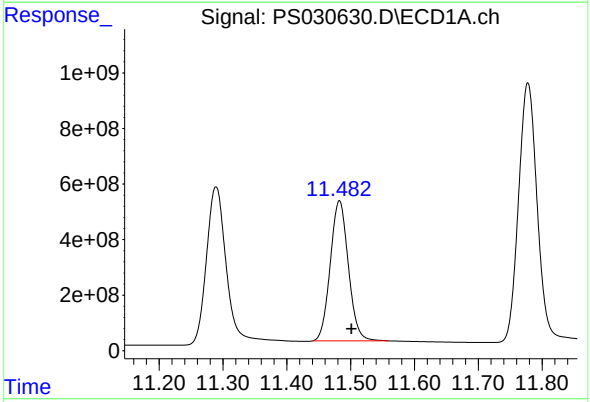
R.T.: 10.261 min
Delta R.T.: -0.016 min
Response: 1899750961
Conc: 625.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



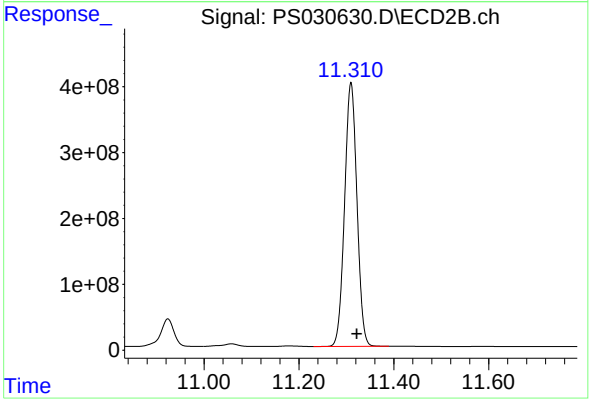
#13 2,4-DB

R.T.: 10.924 min
Delta R.T.: -0.011 min
Response: 806342242
Conc: 701.44 ng/ml



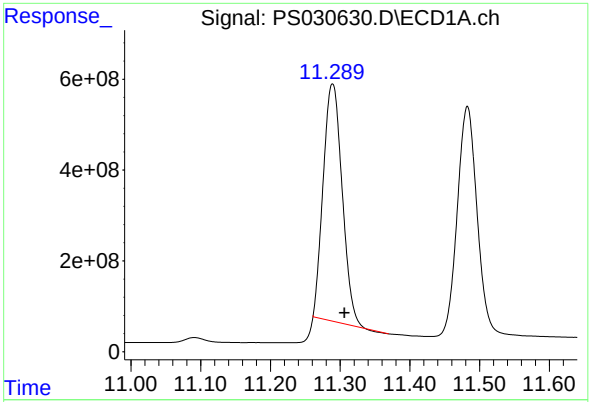
#14 DINOSEB

R.T.: 11.482 min
Delta R.T.: -0.019 min
Response: 9929611706
Conc: 690.76 ng/ml



#14 DINOSEB

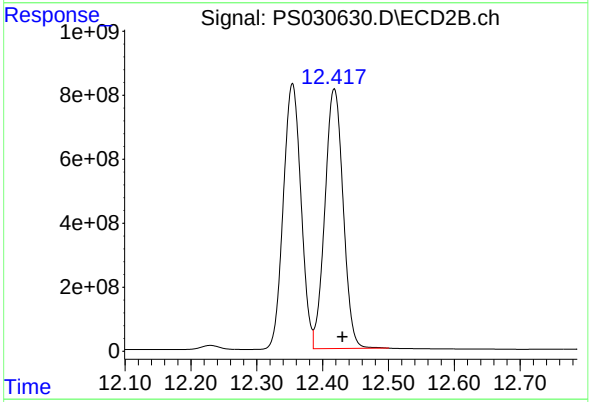
R.T.: 11.310 min
Delta R.T.: -0.012 min
Response: 7238689666
Conc: 720.26 ng/ml



#15 Picloram

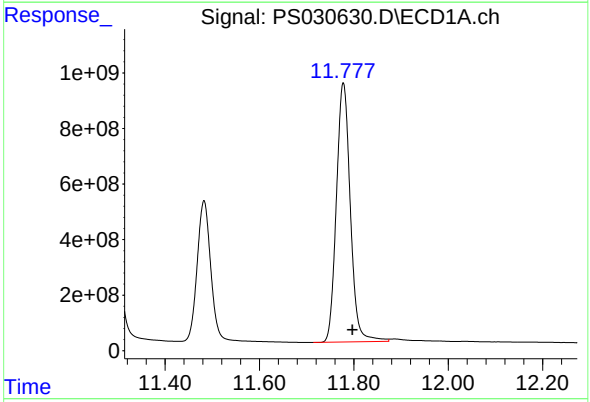
R.T.: 11.289 min
Delta R.T.: -0.017 min
Response: 9791531536
Conc: 489.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



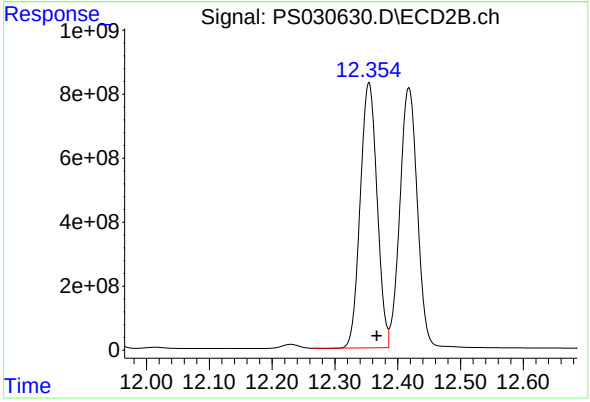
#15 Picloram

R.T.: 12.418 min
Delta R.T.: -0.012 min
Response: 15645874182
Conc: 708.47 ng/ml



#16 DCPA

R.T.: 11.778 min
Delta R.T.: -0.019 min
Response: 19129633163
Conc: 723.51 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: -0.012 min
Response: 15422610169
Conc: 753.69 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030681.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 09:56
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:35:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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	7.352	7.768	1039.6E6	266.9E6	268.270	240.874
	Target Compounds						
1) T	Dalapon	2.708	2.710	1019.7E6	621.3E6	158.889	215.972 #
2) T	3,5-DICHL...	6.510	6.713	1261.5E6	371.3E6	225.152	223.801
3) T	4-Nitroph...	7.151	7.299	358.3E6	357.0E6	215.458	206.768
5) T	DICAMBA	7.542	7.971	3504.5E6	1445.5E6	218.642	214.393
6) T	MCPP	7.721	8.066	162.1E6	40694511	17.415	18.534
7) T	MCPA	7.871	8.314	226.8E6	60775932	19.187	18.978
8) T	DICHLORPROP	8.257	8.690	907.0E6	356.9E6	238.983	226.711
9) T	2,4-D	8.490	9.025	774.3E6	388.6E6	223.037	226.013
10) T	Pentachlo...	8.797	9.550	12630.4E6	8595.3E6	227.992	217.619
11) T	2,4,5-TP ...	9.378	9.931	4429.0E6	3244.6E6	216.564	220.356
12) T	2,4,5-T	9.673	10.357	3470.5E6	3100.3E6	206.627	219.523
13) T	2,4-DB	10.252	10.925	510.6E6	272.4E6	206.664	224.319
14) T	DINOSEB	11.471	11.310	3090.3E6	2416.1E6	214.074	216.176
15) T	Picloram	11.281	12.419	3391.8E6	4996.7E6	203.312	205.794
16) T	DCPA	11.767	12.355	5786.5E6	4784.9E6	218.156	217.298

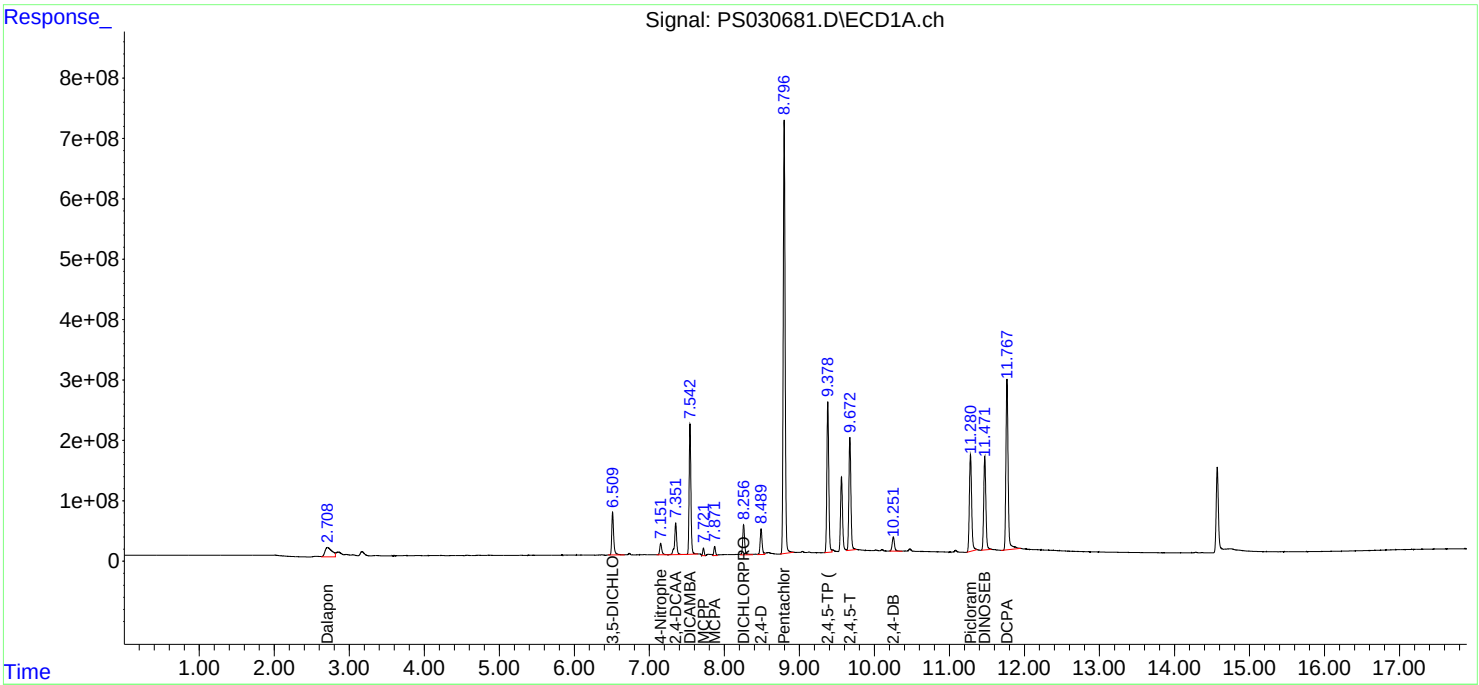
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

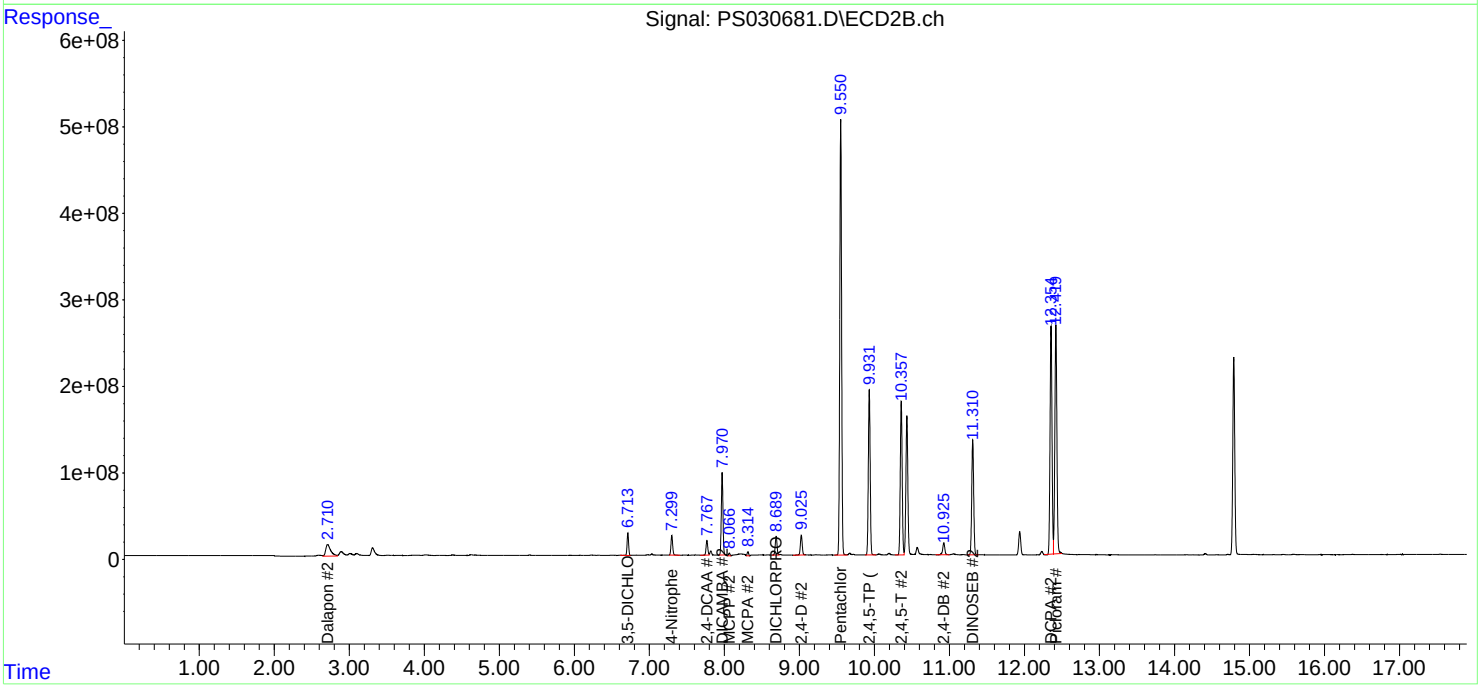
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030681.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 09:56
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

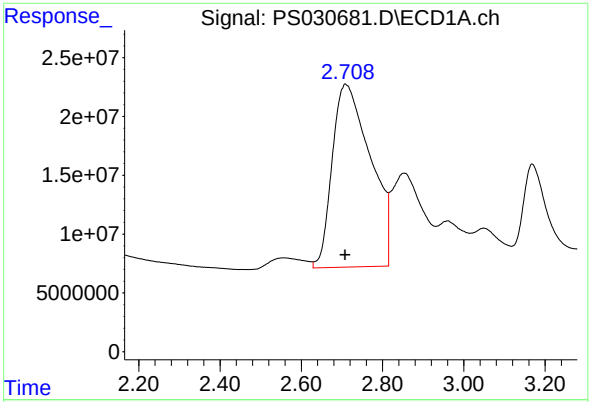
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:35:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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 0.25µm



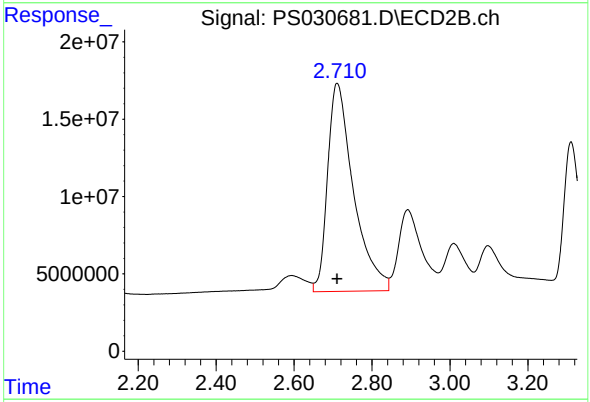




#1 Dalapon

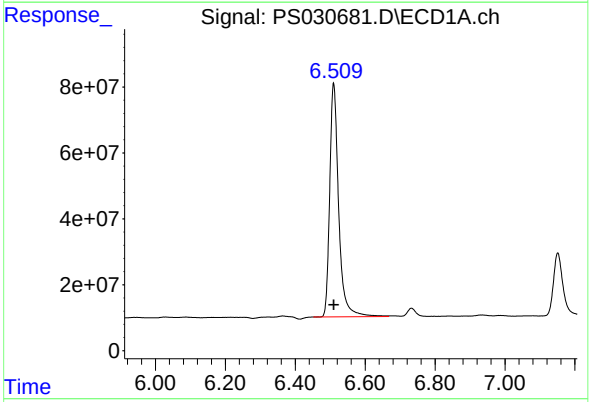
R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 1019681972
Conc: 158.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



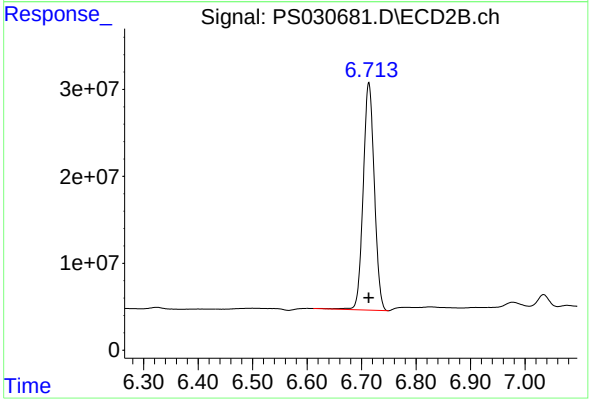
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 621324105
Conc: 215.97 ng/ml



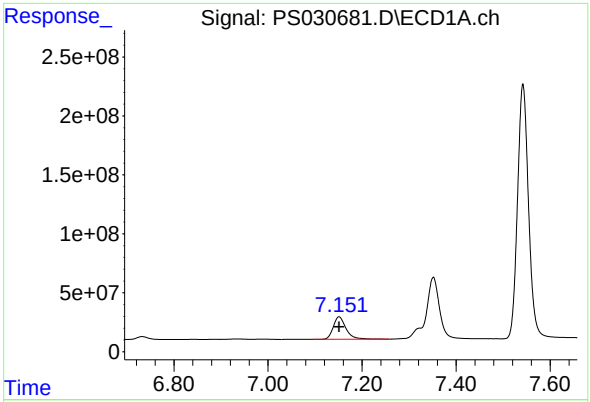
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 1261543775
Conc: 225.15 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

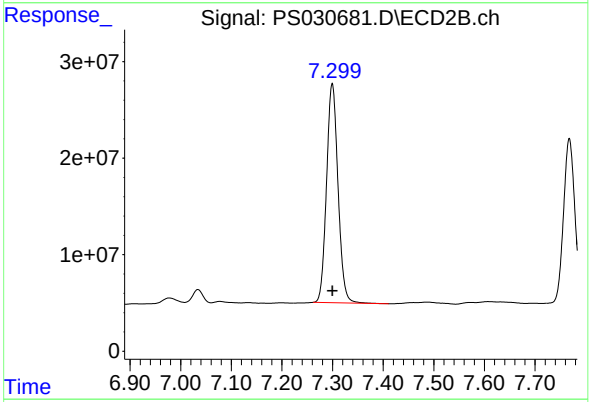
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 371250961
Conc: 223.80 ng/ml



#3 4-Nitrophenol

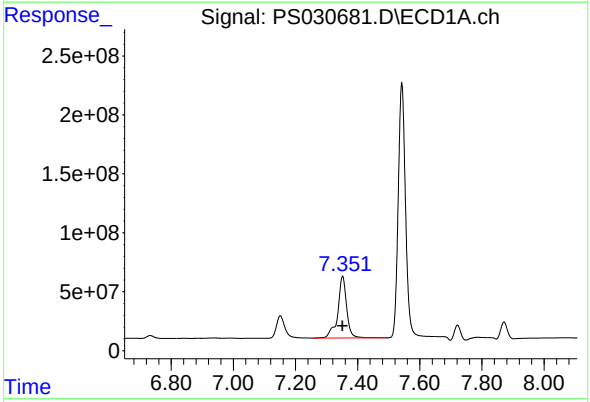
R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 358277352
Conc: 215.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



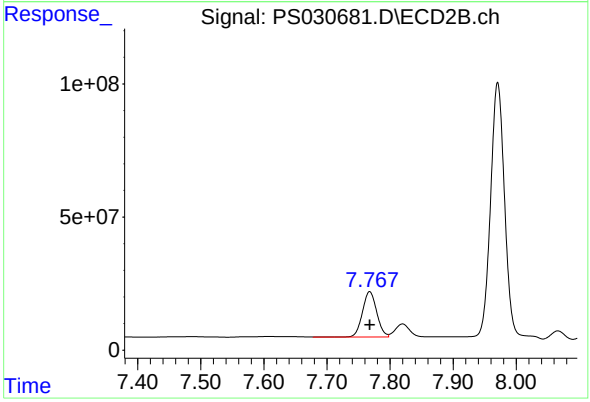
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 357027266
Conc: 206.77 ng/ml



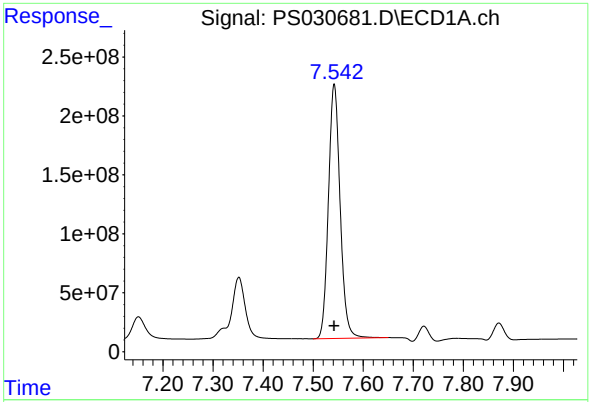
#4 2,4-DCAA

R.T.: 7.352 min
Delta R.T.: 0.000 min
Response: 1039605627
Conc: 268.27 ng/ml



#4 2,4-DCAA

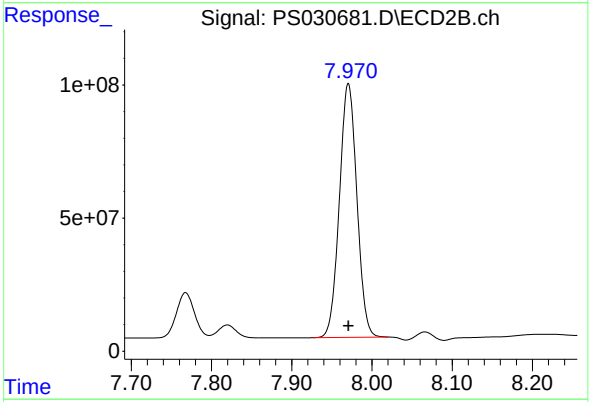
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 266909709
Conc: 240.87 ng/ml



#5 DICAMBA

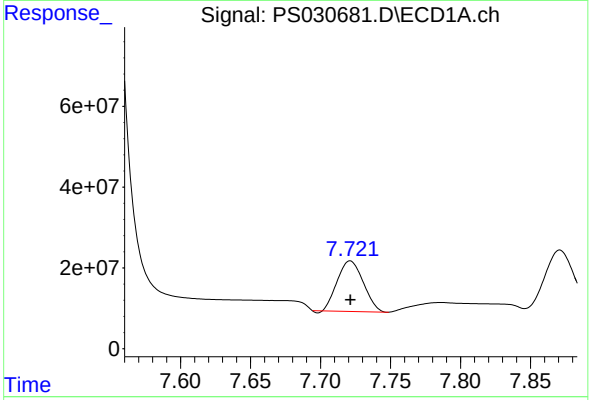
R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 3504516223
Conc: 218.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



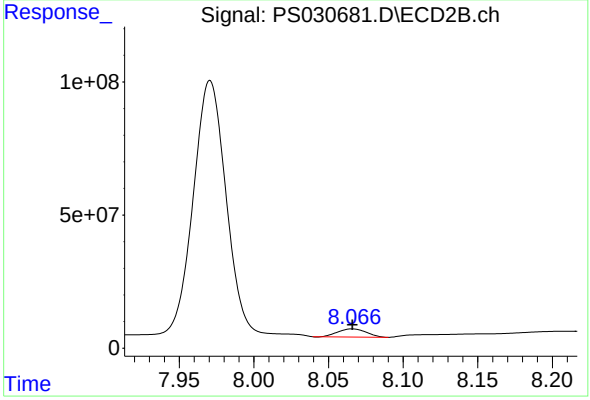
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 1445544733
Conc: 214.39 ng/ml



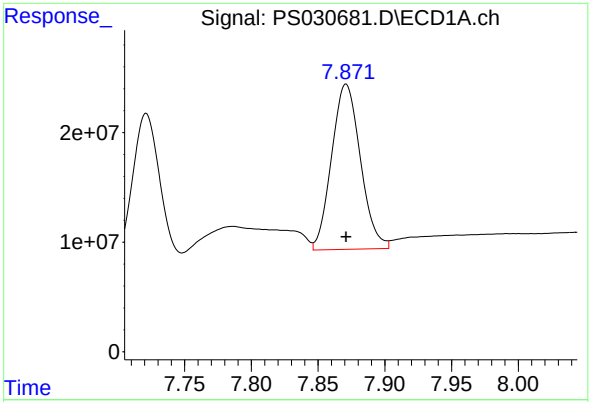
#6 MCPP

R.T.: 7.721 min
Delta R.T.: 0.000 min
Response: 162145366
Conc: 17.42 ug/ml



#6 MCPP

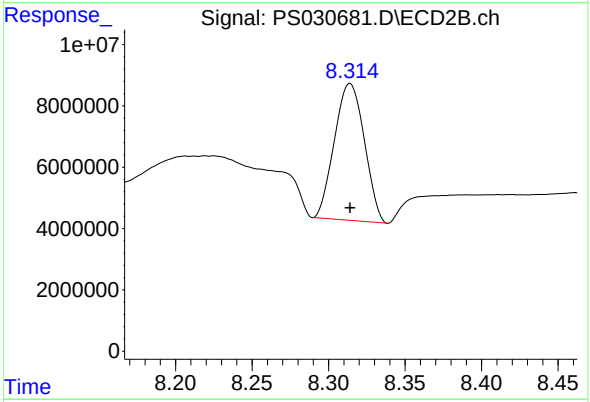
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 40694511
Conc: 18.53 ug/ml



#7 MCPA

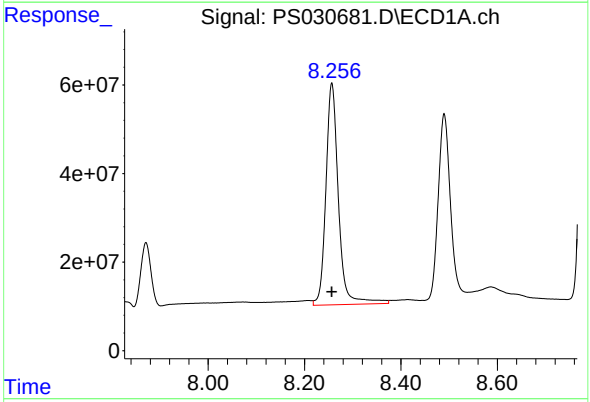
R.T.: 7.871 min
Delta R.T.: 0.000 min
Response: 226826119
Conc: 19.19 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



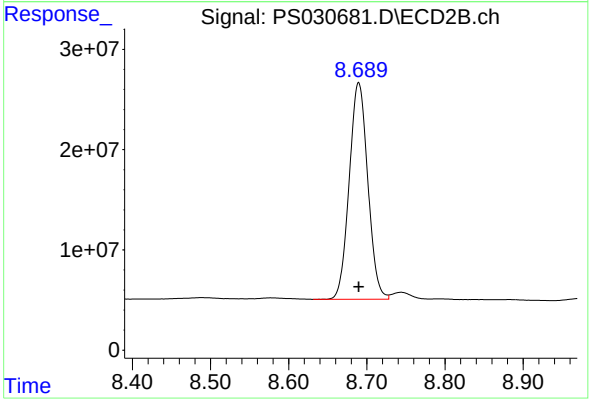
#7 MCPA

R.T.: 8.314 min
Delta R.T.: 0.000 min
Response: 60775932
Conc: 18.98 ug/ml



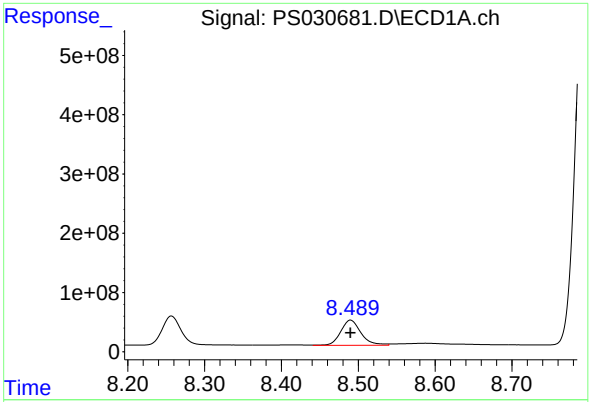
#8 DICHLORPROP

R.T.: 8.257 min
Delta R.T.: 0.000 min
Response: 907008760
Conc: 238.98 ng/ml



#8 DICHLORPROP

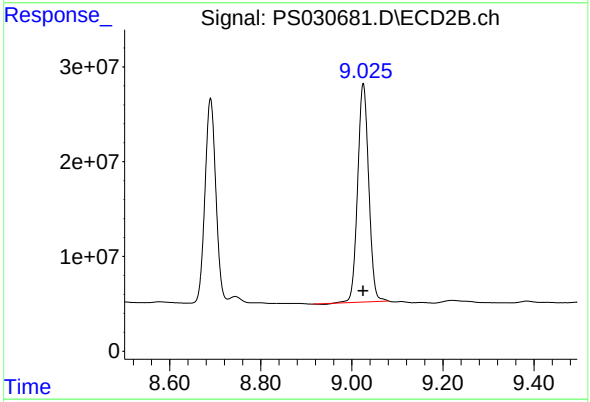
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 356904936
Conc: 226.71 ng/ml



#9 2,4-D

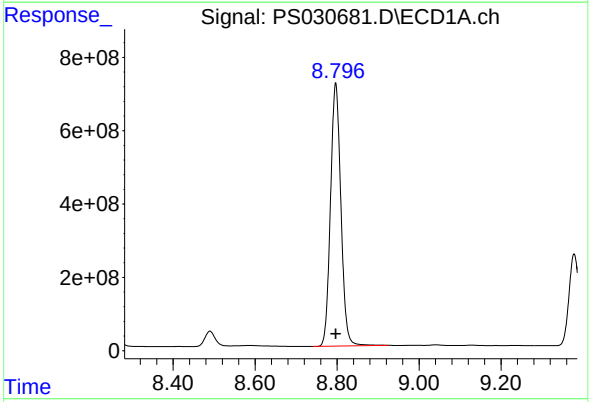
R.T.: 8.490 min
Delta R.T.: 0.000 min
Response: 774296570
Conc: 223.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



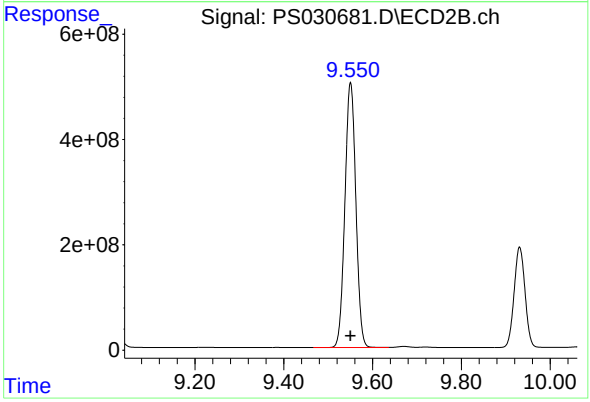
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 388643412
Conc: 226.01 ng/ml



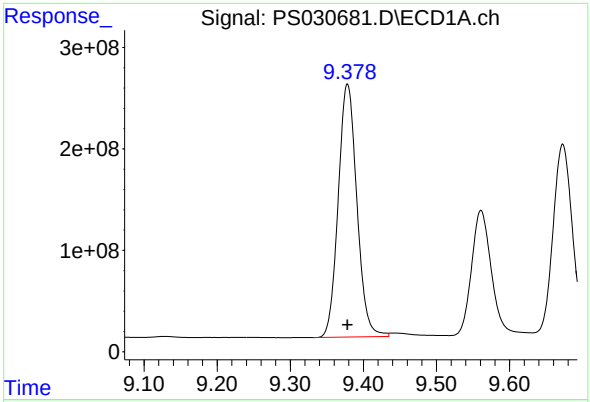
#10 Pentachlorophenol

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 12630365259
Conc: 227.99 ng/ml



#10 Pentachlorophenol

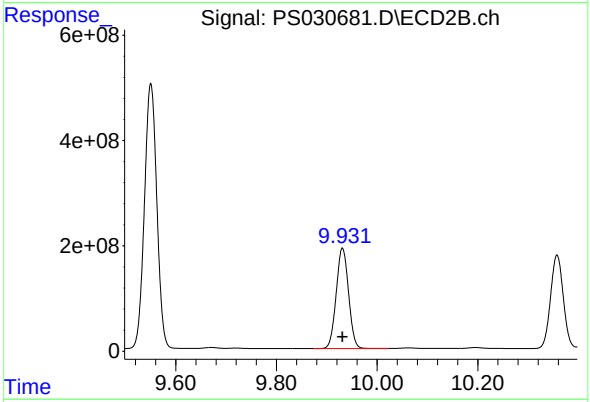
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 8595320788
Conc: 217.62 ng/ml



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

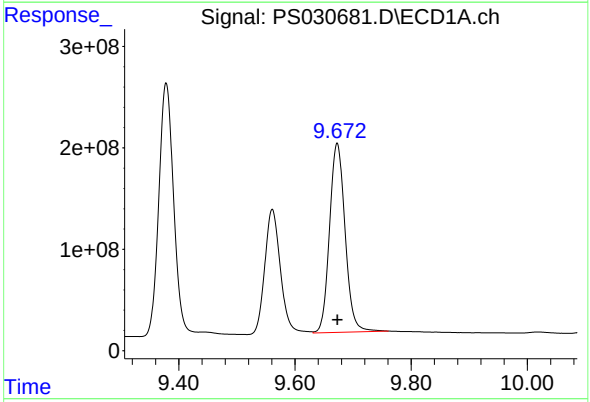
R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 4428973800
Conc: 216.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



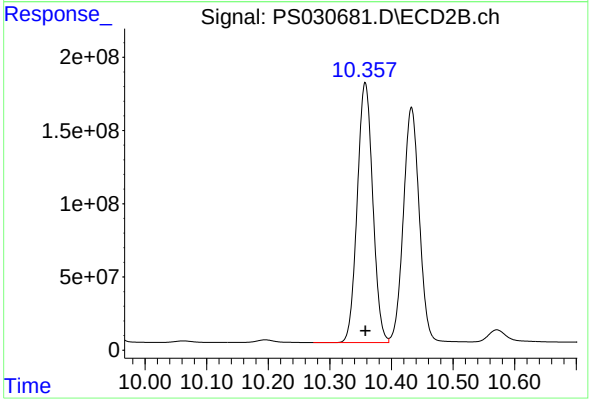
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 3244577677
Conc: 220.36 ng/ml



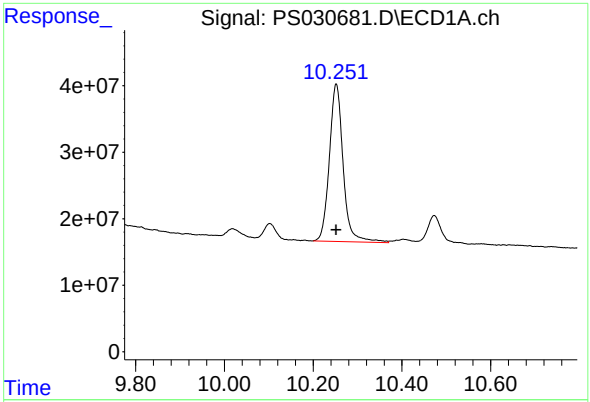
#12 2,4,5-T

R.T.: 9.673 min
Delta R.T.: 0.000 min
Response: 3470500571
Conc: 206.63 ng/ml



#12 2,4,5-T

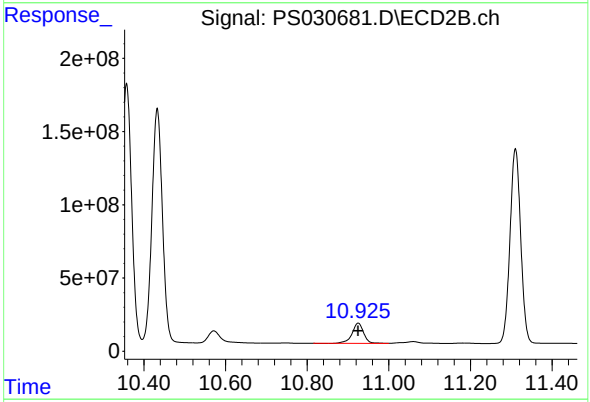
R.T.: 10.357 min
Delta R.T.: 0.000 min
Response: 3100277358
Conc: 219.52 ng/ml



#13 2,4-DB

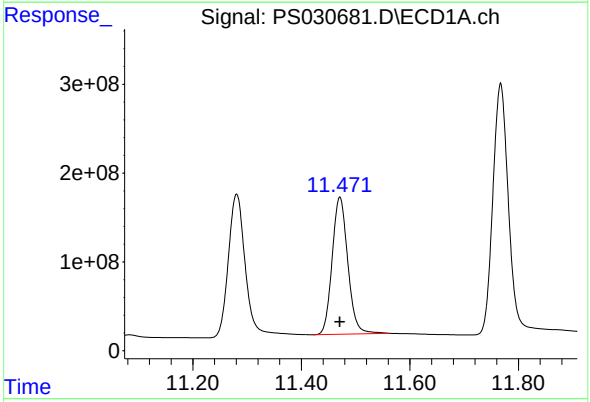
R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 510633172
Conc: 206.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



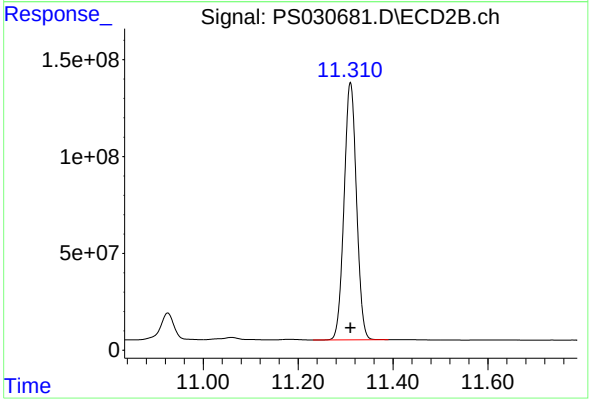
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 272352860
Conc: 224.32 ng/ml



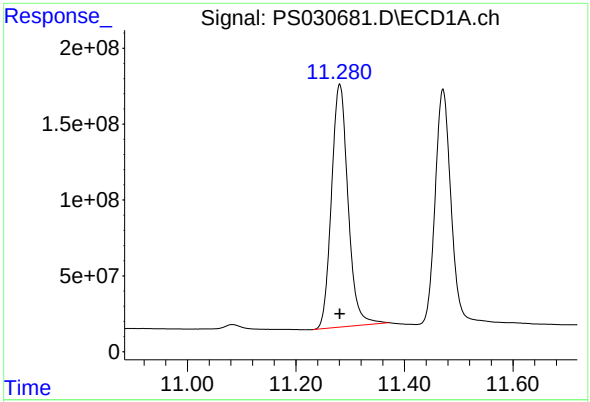
#14 DINOSEB

R.T.: 11.471 min
Delta R.T.: 0.000 min
Response: 3090327103
Conc: 214.07 ng/ml



#14 DINOSEB

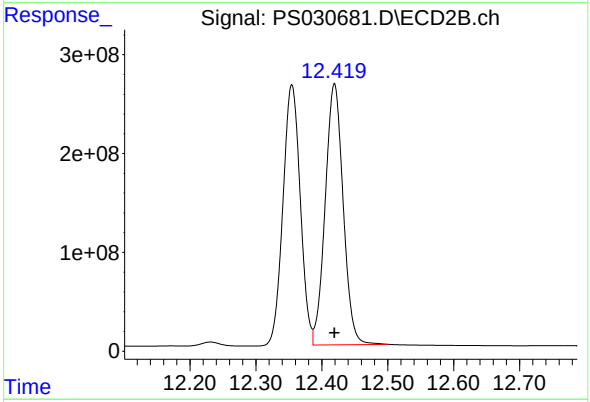
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 2416051536
Conc: 216.18 ng/ml



#15 Picloram

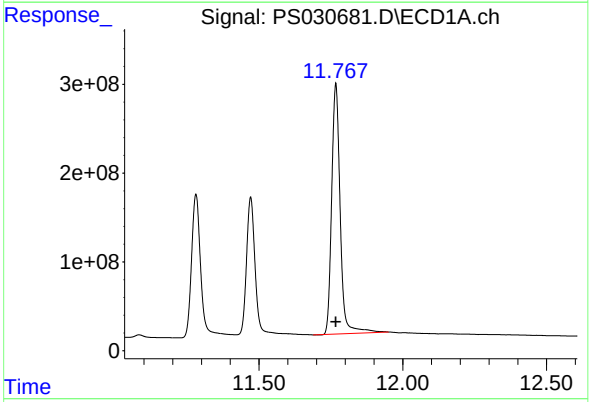
R.T.: 11.281 min
Delta R.T.: 0.000 min
Response: 3391796908
Conc: 203.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



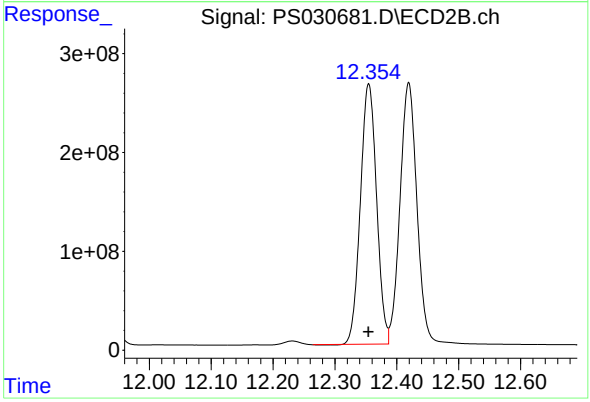
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 4996726037
Conc: 205.79 ng/ml



#16 DCPA

R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 5786485296
Conc: 218.16 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 4784941308
Conc: 217.30 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030682.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 10:20
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:32:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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	7.351	7.768	2113.3E6	543.2E6	586.557	526.079
	Target Compounds						
1) T	Dalapon	2.709	2.710	2213.4E6	1274.0E6	370.629	472.234 #
2) T	3,5-DICHL...	6.510	6.713	2564.1E6	753.7E6	492.162	487.367
3) T	4-Nitroph...	7.151	7.299	742.0E6	769.6E6	475.328	466.865
5) T	DICAMBA	7.542	7.971	7439.5E6	3117.8E6	490.802	485.111
6) T	MCPP	7.723	8.068	437.7E6	104.2E6	45.879	47.243
7) T	MCPA	7.873	8.317	540.9E6	147.3E6	46.242	46.299
8) T	DICHLORPROP	8.257	8.690	1731.7E6	725.4E6	501.626	494.729
9) T	2,4-D	8.490	9.025	1599.0E6	791.7E6	491.110	493.651
10) T	Pentachlo...	8.797	9.551	26597.4E6	18719.5E6	514.398	498.079
11) T	2,4,5-TP ...	9.378	9.931	9624.6E6	6932.5E6	493.620	497.302
12) T	2,4,5-T	9.673	10.358	7883.0E6	6647.0E6	483.443	496.369
13) T	2,4-DB	10.252	10.925	1150.4E6	568.7E6	479.604	498.377
14) T	DINOSEB	11.471	11.310	6689.8E6	5179.8E6	485.881	487.828
15) T	Picloram	11.279	12.419	7715.4E6	11458.3E6	473.539	485.368
16) T	DCPA	11.767	12.355	12733.7E6	10445.8E6	502.909	497.945

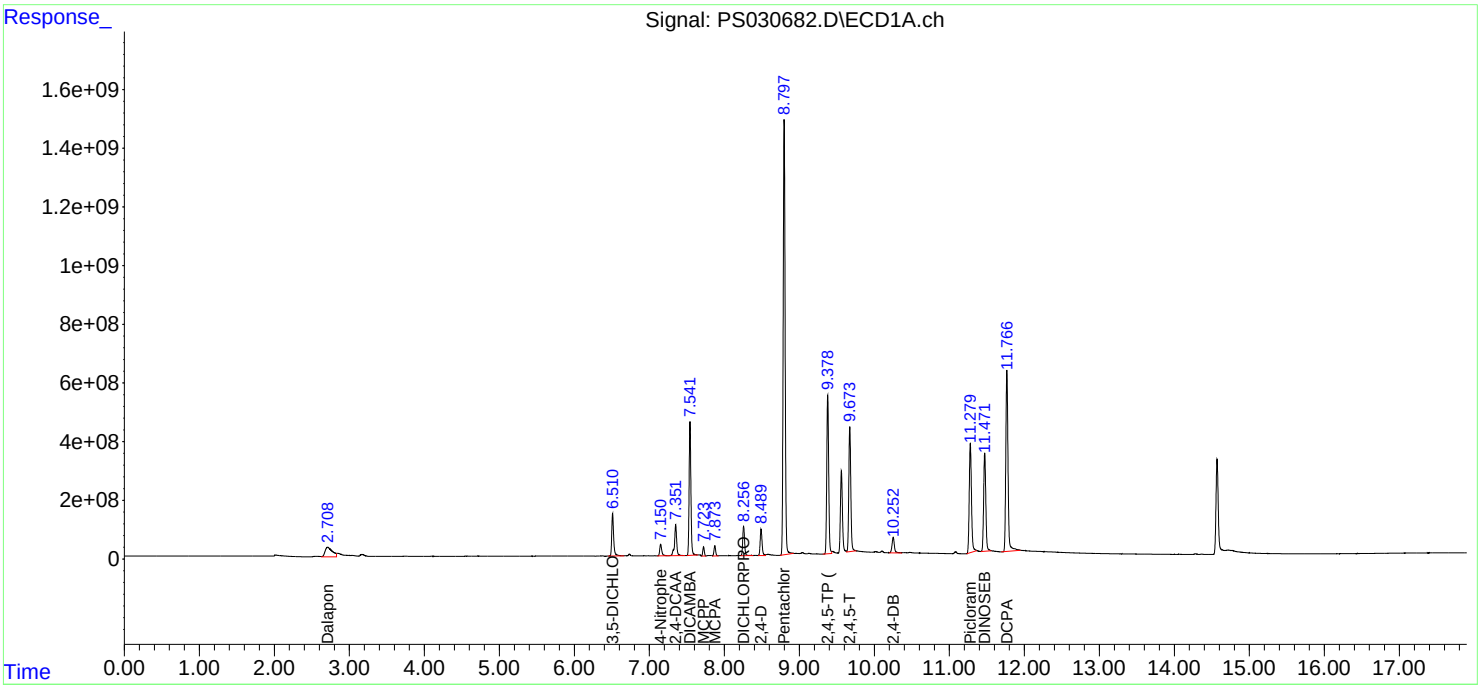
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

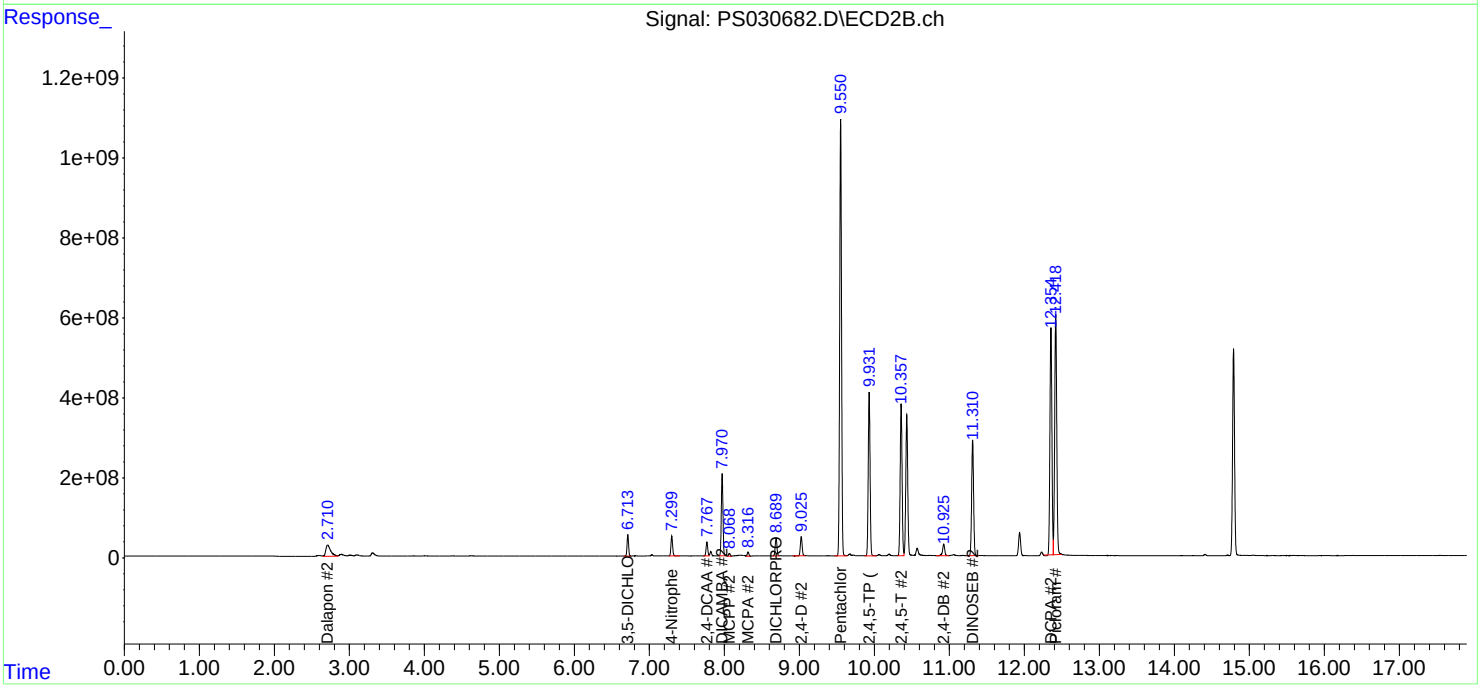
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030682.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 10:20
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

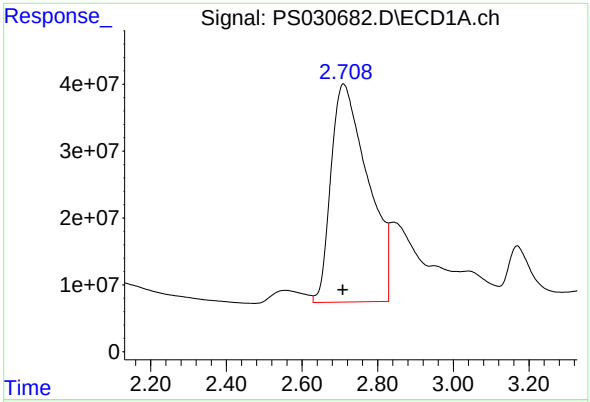
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:32:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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



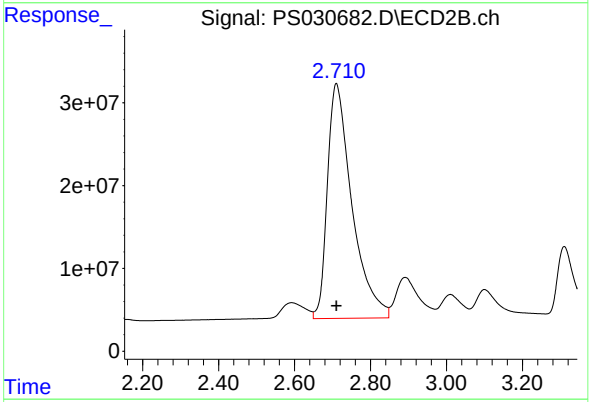




#1 Dalapon

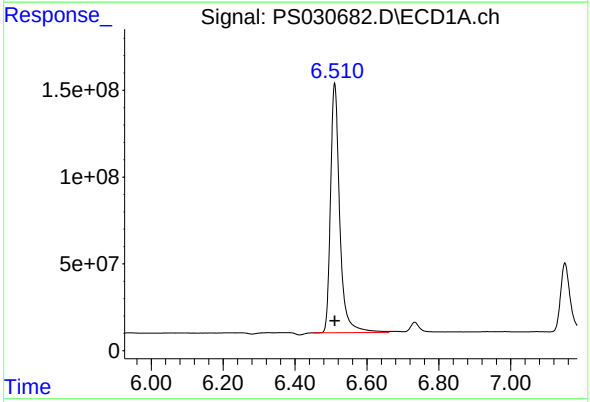
R.T.: 2.709 min
Delta R.T.: 0.001 min
Response: 2213405126
Conc: 370.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



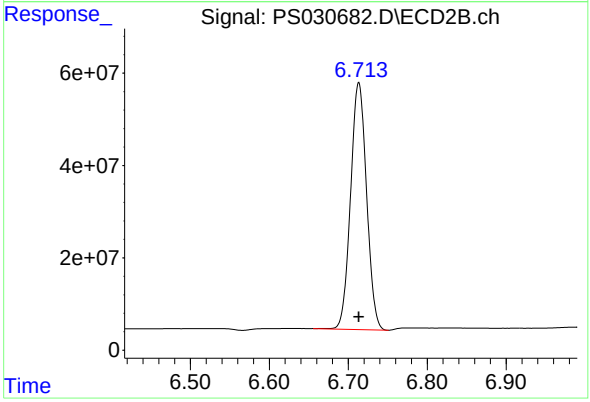
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 1274025880
Conc: 472.23 ng/ml



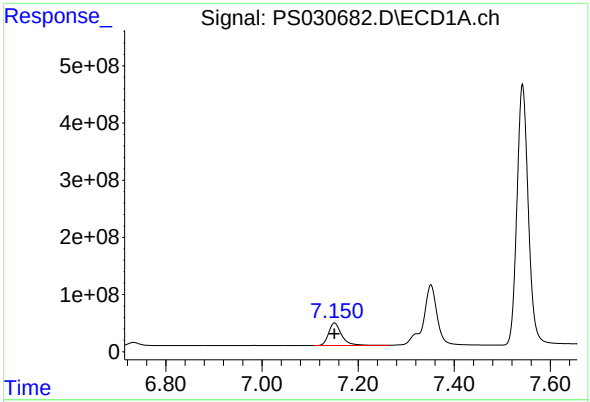
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 2564140086
Conc: 492.16 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

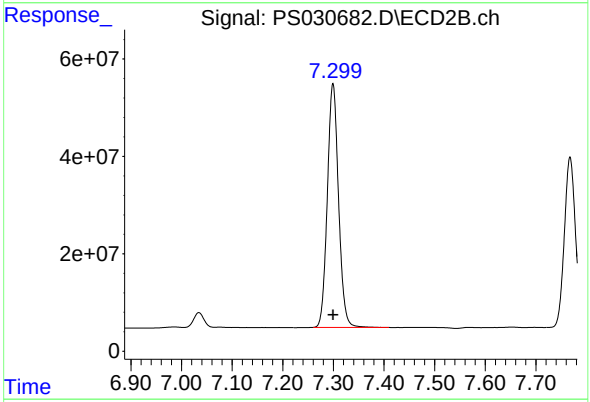
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 753697037
Conc: 487.37 ng/ml



#3 4-Nitrophenol

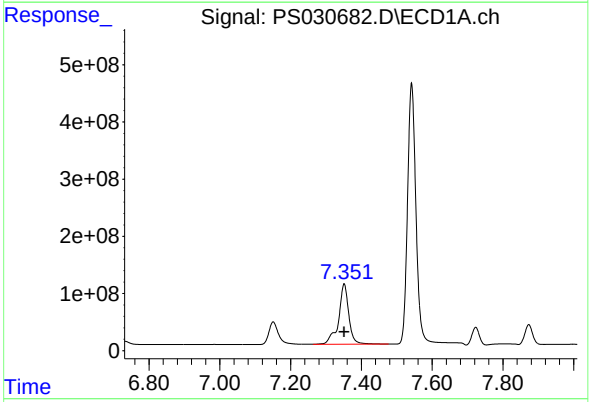
R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 741968915
Conc: 475.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



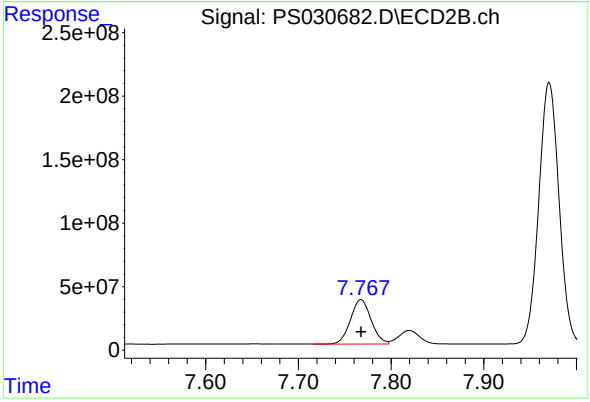
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 769568639
Conc: 466.86 ng/ml



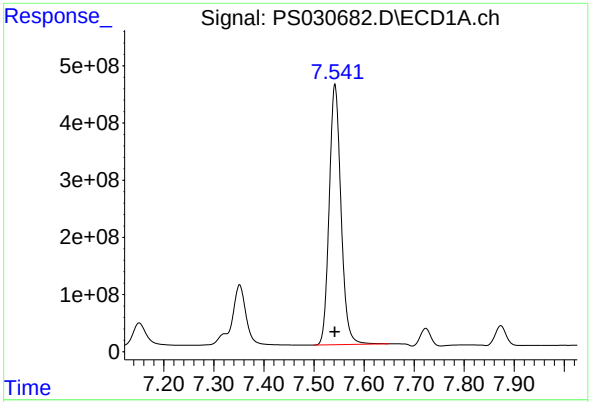
#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 2113262193
Conc: 586.56 ng/ml



#4 2,4-DCAA

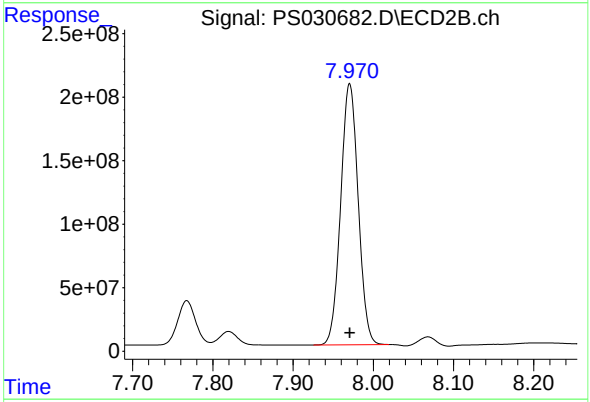
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 543230920
Conc: 526.08 ng/ml



#5 DICAMBA

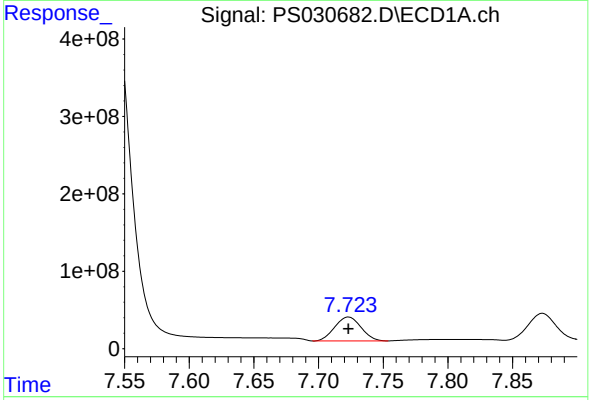
R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 7439453672
Conc: 490.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



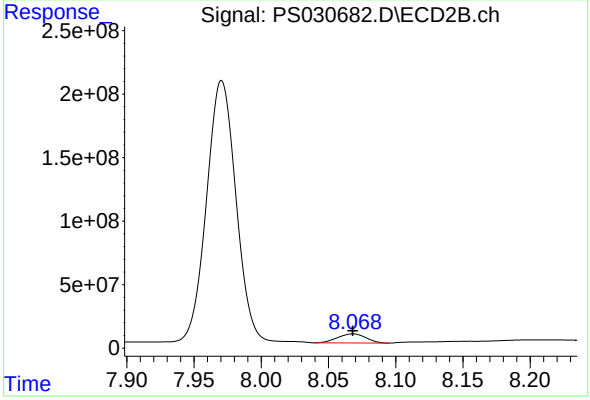
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 3117796345
Conc: 485.11 ng/ml



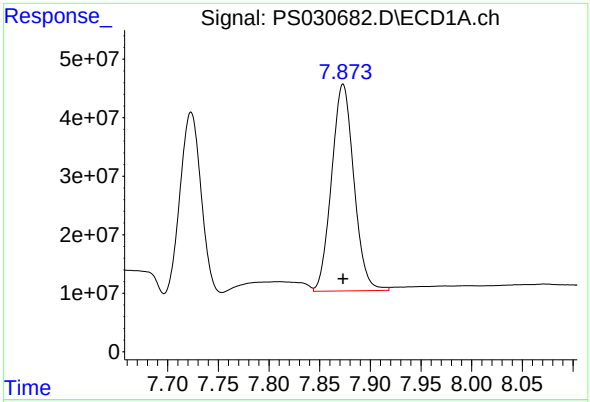
#6 MCPP

R.T.: 7.723 min
Delta R.T.: 0.000 min
Response: 437650741
Conc: 45.88 ug/ml



#6 MCPP

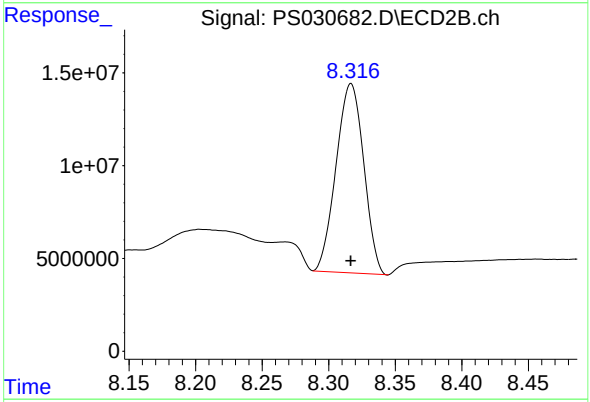
R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 104218288
Conc: 47.24 ug/ml



#7 MCPA

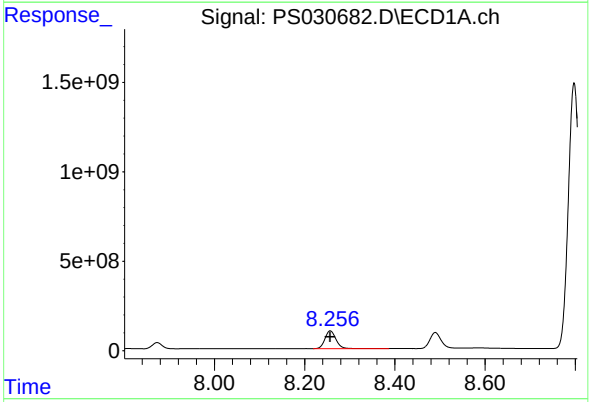
R.T.: 7.873 min
Delta R.T.: 0.000 min
Response: 540922205
Conc: 46.24 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



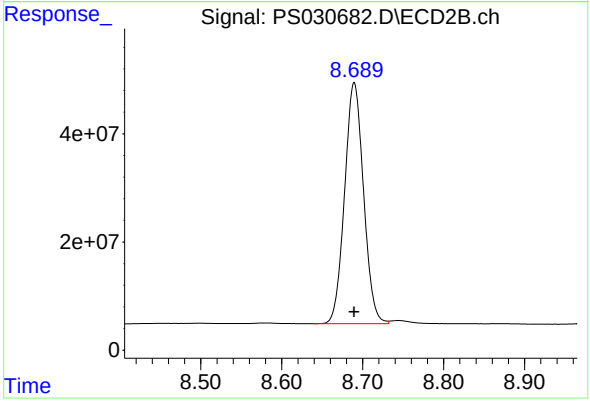
#7 MCPA

R.T.: 8.317 min
Delta R.T.: 0.000 min
Response: 147264816
Conc: 46.30 ug/ml



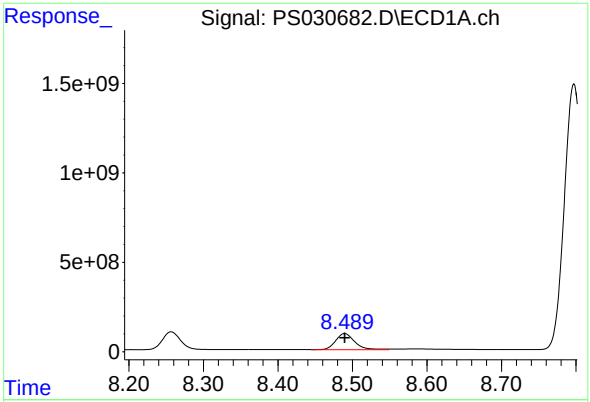
#8 DICHLORPROP

R.T.: 8.257 min
Delta R.T.: 0.000 min
Response: 1731720156
Conc: 501.63 ng/ml



#8 DICHLORPROP

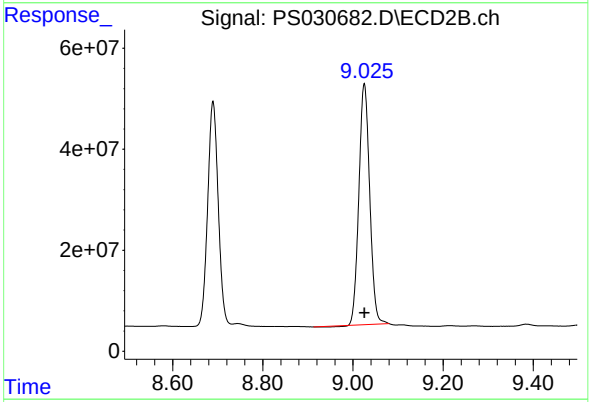
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 725382063
Conc: 494.73 ng/ml



#9 2,4-D

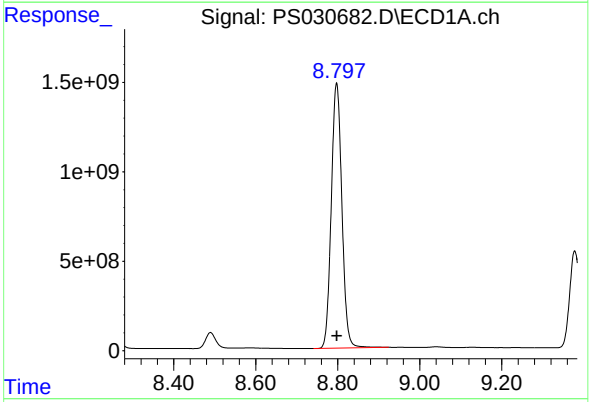
R.T.: 8.490 min
Delta R.T.: 0.000 min
Response: 1599023072
Conc: 491.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



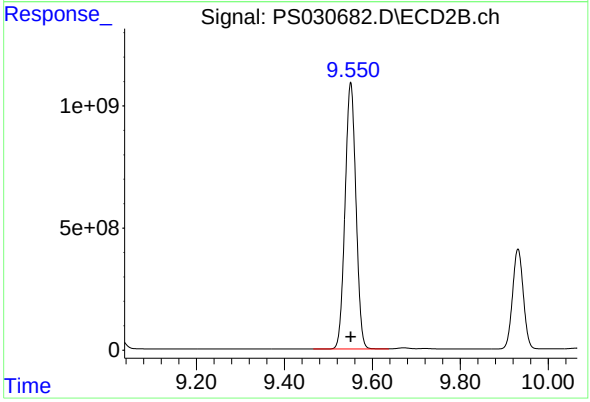
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 791650735
Conc: 493.65 ng/ml



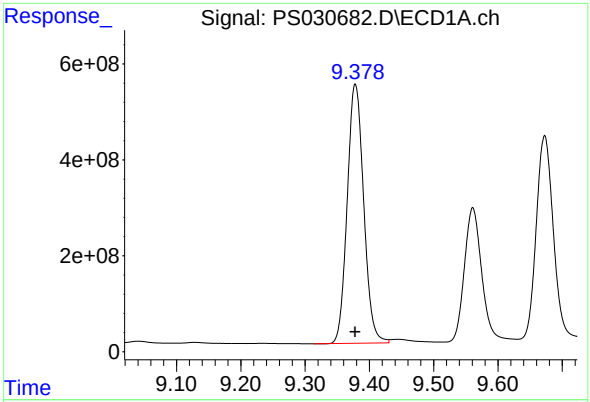
#10 Pentachlorophenol

R.T.: 8.797 min
Delta R.T.: 0.000 min
Response: 26597428885
Conc: 514.40 ng/ml



#10 Pentachlorophenol

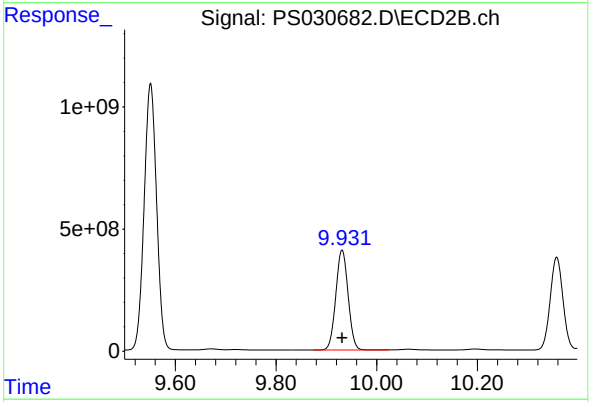
R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 18719497129
Conc: 498.08 ng/ml



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

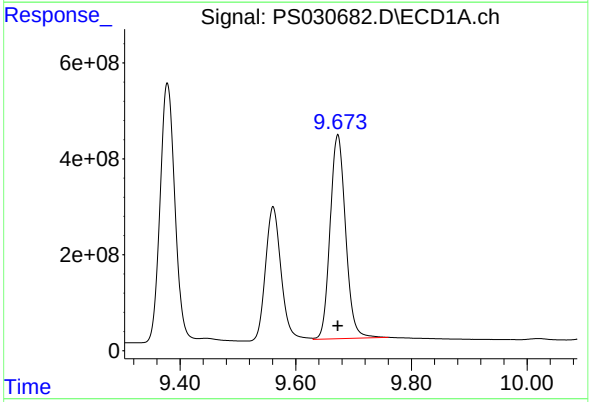
R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 9624629260
Conc: 493.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



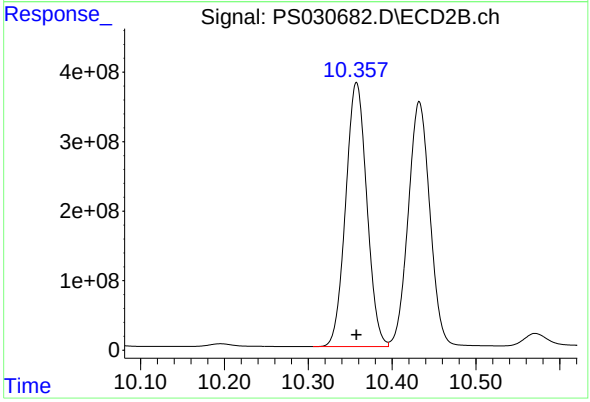
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 6932458261
Conc: 497.30 ng/ml



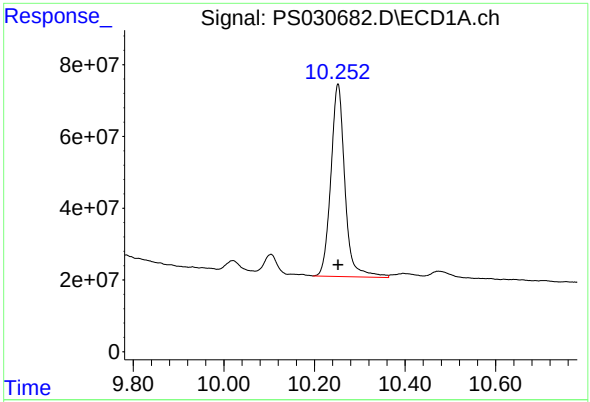
#12 2,4,5-T

R.T.: 9.673 min
Delta R.T.: 0.000 min
Response: 7883014305
Conc: 483.44 ng/ml



#12 2,4,5-T

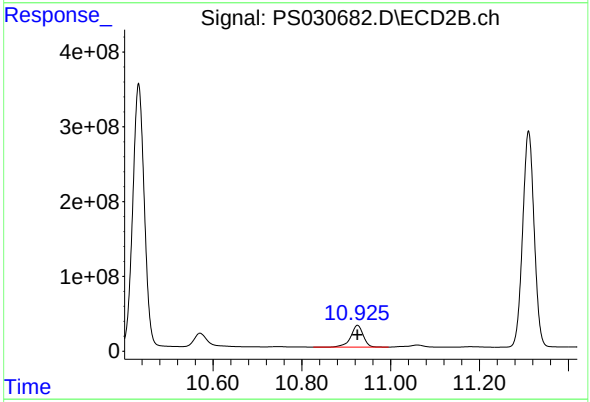
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 6647031428
Conc: 496.37 ng/ml



#13 2,4-DB

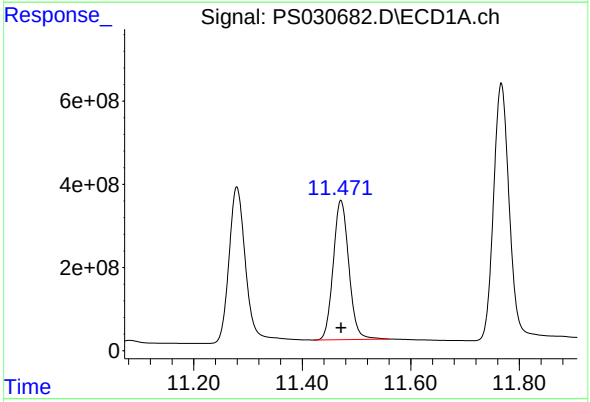
R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 1150382491
Conc: 479.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



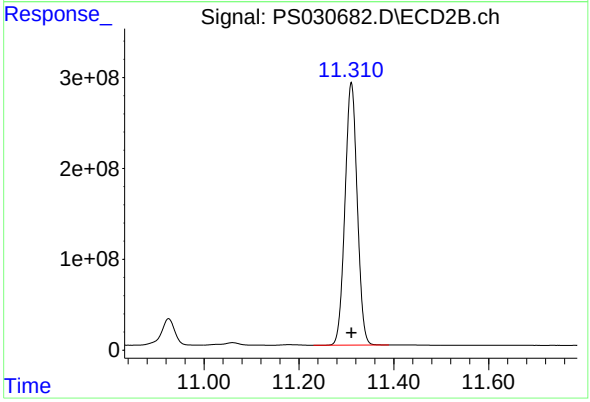
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 568665111
Conc: 498.38 ng/ml



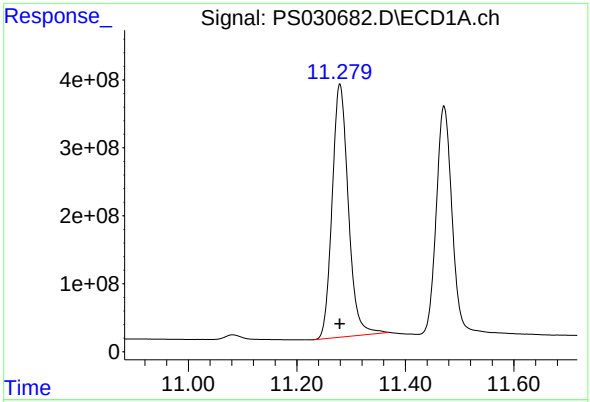
#14 DINOSEB

R.T.: 11.471 min
Delta R.T.: 0.000 min
Response: 6689804571
Conc: 485.88 ng/ml



#14 DINOSEB

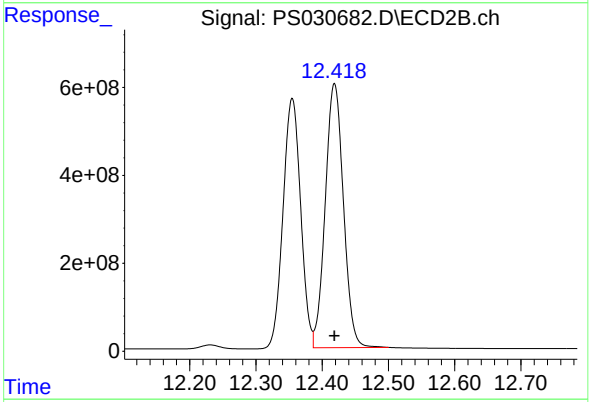
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 5179760694
Conc: 487.83 ng/ml



#15 Picloram

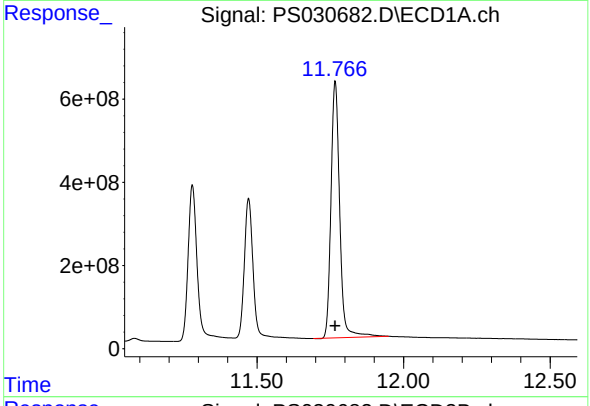
R.T.: 11.279 min
Delta R.T.: 0.000 min
Response: 7715395797
Conc: 473.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



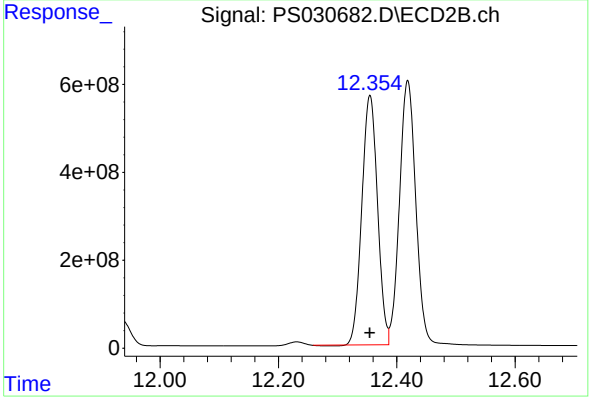
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 11458309175
Conc: 485.37 ng/ml



#16 DCPA

R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 12733725304
Conc: 502.91 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 10445839903
Conc: 497.94 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030683.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 10:44
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:24:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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	7.351	7.768	2917.8E6	754.7E6	823.860	750.000
	Target Compounds						
1) T	Dalapon	2.709	2.709	4039.6E6	1799.3E6	682.500	682.500
2) T	3,5-DICHL...	6.509	6.713	3548.4E6	1052.9E6	697.500	697.500
3) T	4-Nitroph...	7.151	7.300	1040.1E6	1102.6E6	682.500	682.500
5) T	DICAMBA	7.542	7.971	10471.5E6	4437.7E6	705.000	705.000
6) T	MCPP	7.724	8.070	662.7E6	153.4E6	70.500	70.500
7) T	MCPA	7.874	8.319	799.8E6	219.4E6	69.750	69.750
8) T	DICHLORPROP	8.256	8.690	2360.0E6	1010.1E6	705.000	705.000
9) T	2,4-D	8.488	9.026	2235.4E6	1103.9E6	705.000	705.000
10) T	Pentachlo...	8.796	9.551	36925.2E6	26257.6E6	712.500	712.500
11) T	2,4,5-TP ...	9.377	9.932	13586.7E6	9730.6E6	712.500	712.500
12) T	2,4,5-T	9.671	10.358	11366.1E6	9338.5E6	712.500	712.500
13) T	2,4-DB	10.250	10.925	1661.3E6	793.3E6	712.500	712.500
14) T	DINOSEB	11.470	11.311	9488.0E6	7329.0E6	705.000	705.000
15) T	Picloram	11.278	12.419	11367.4E6	16595.5E6	712.500	712.500
16) T	DCPA	11.767	12.355	17851.5E6	14761.9E6	720.000	720.000

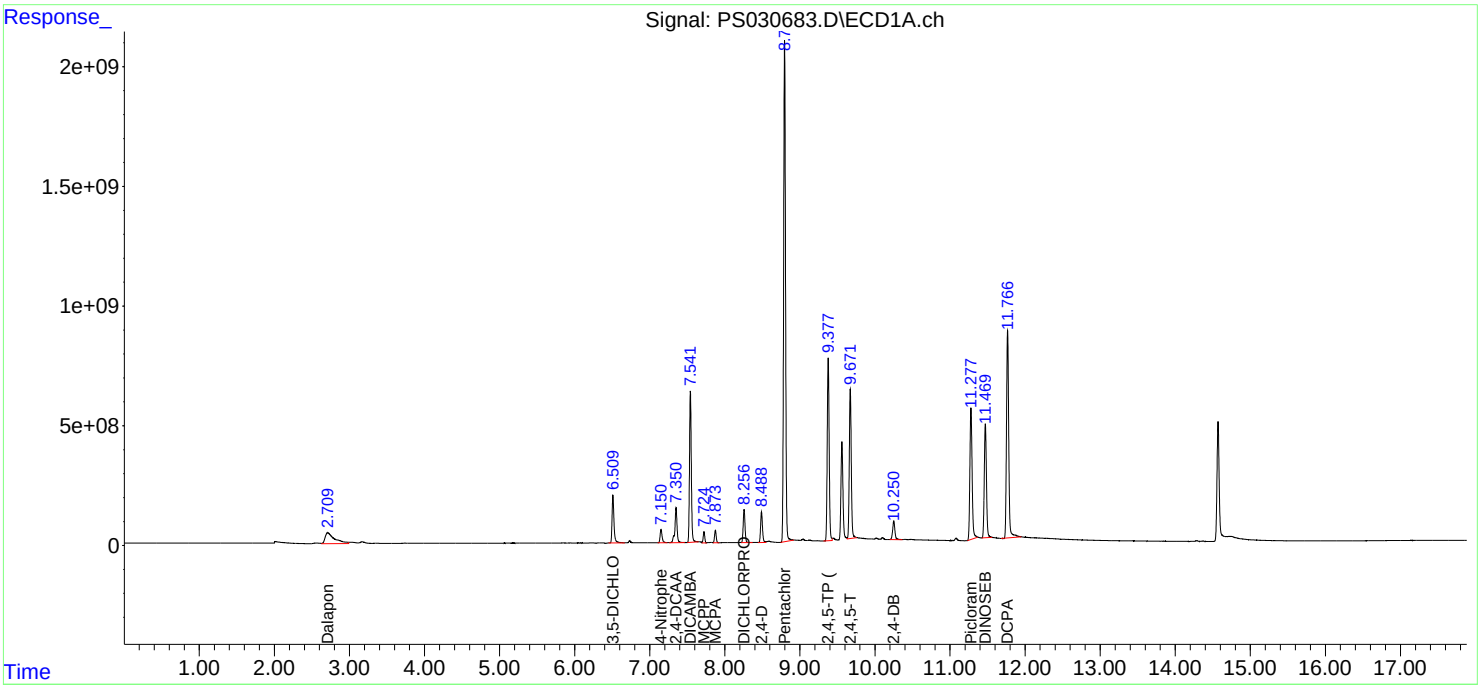
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

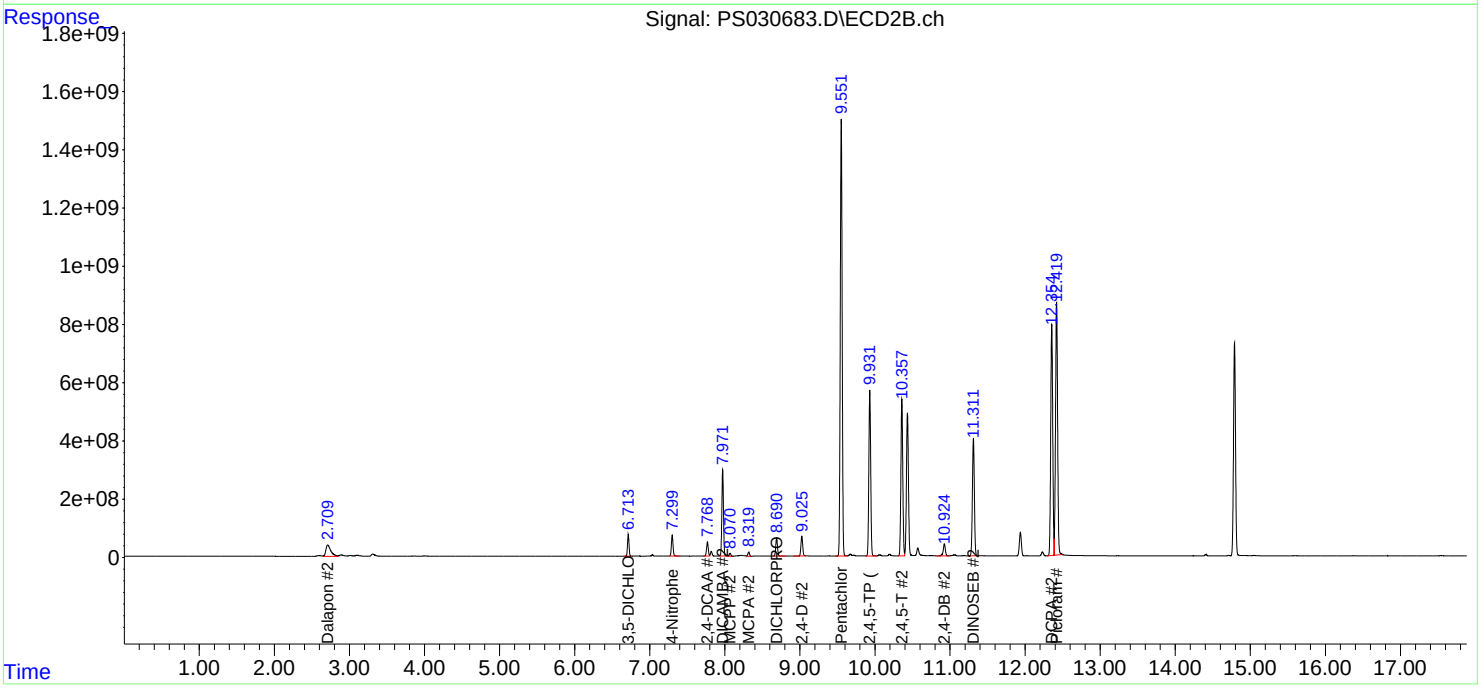
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030683.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 10:44
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

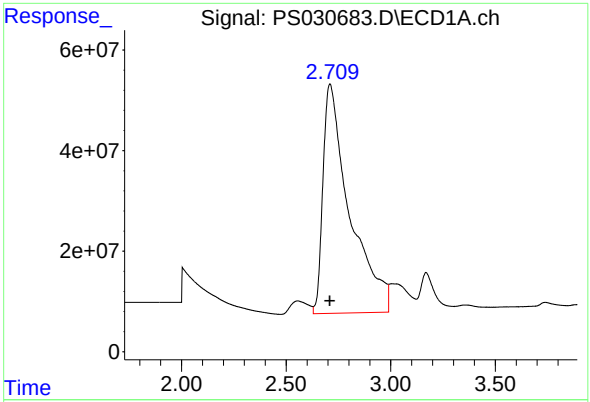
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:24:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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



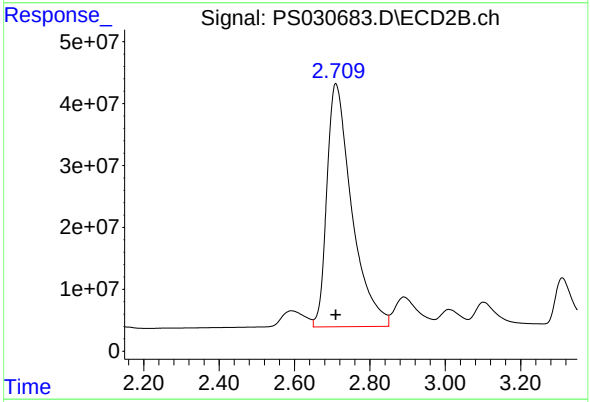




#1 Dalapon

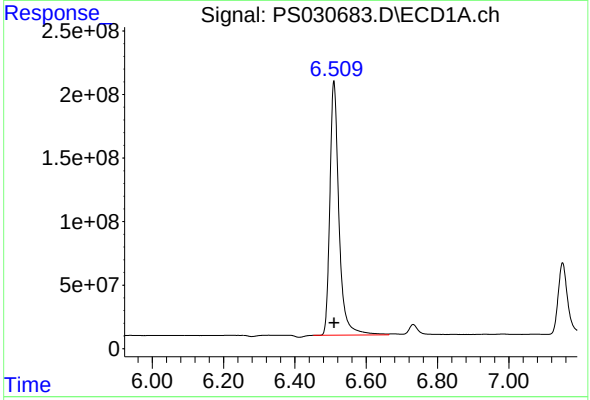
R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 4039636382
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



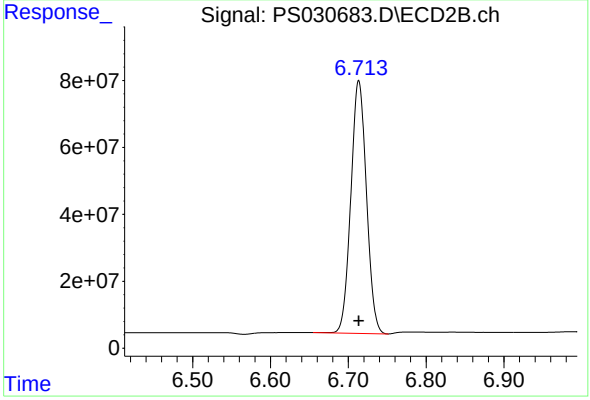
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 1799255624
Conc: 682.50 ng/ml



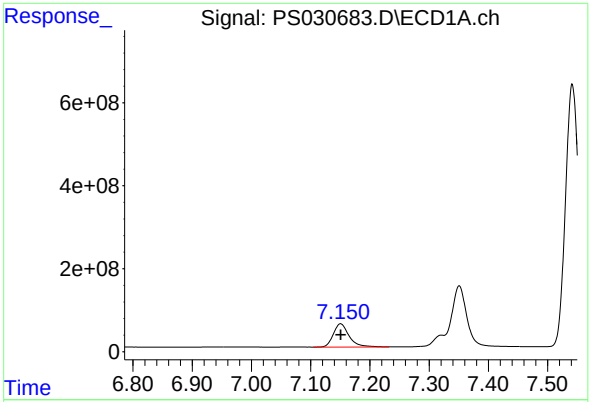
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.509 min
Delta R.T.: 0.000 min
Response: 3548364321
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

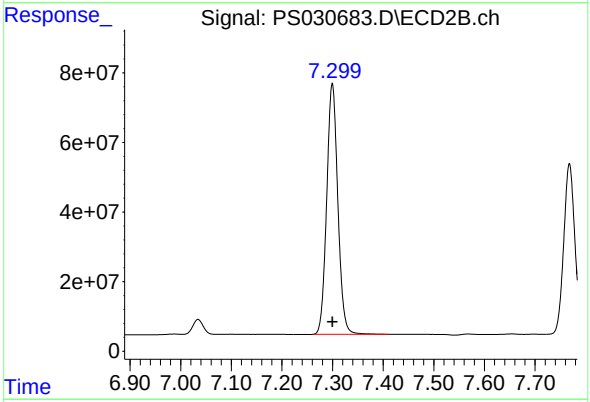
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1052946815
Conc: 697.50 ng/ml



#3 4-Nitrophenol

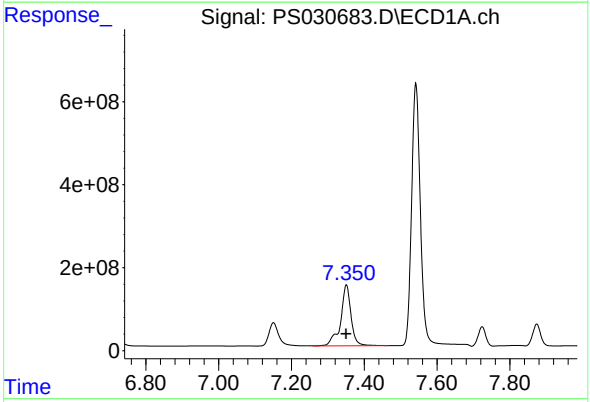
R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 1040090683
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



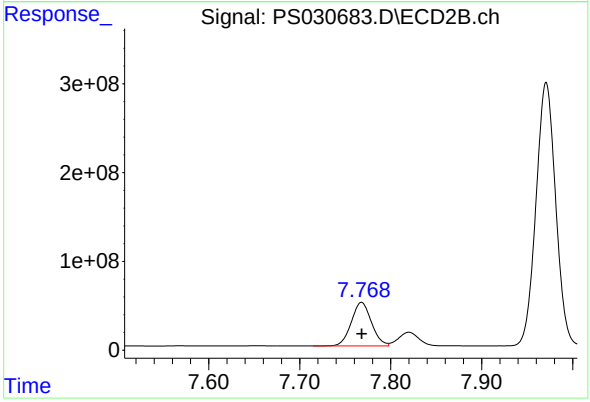
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 1102573846
Conc: 682.50 ng/ml



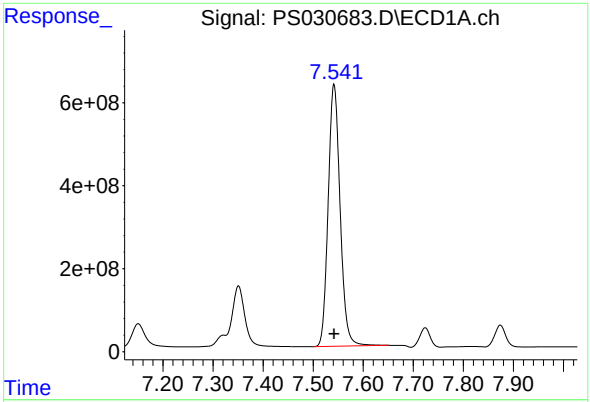
#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 2917764832
Conc: 823.86 ng/ml



#4 2,4-DCAA

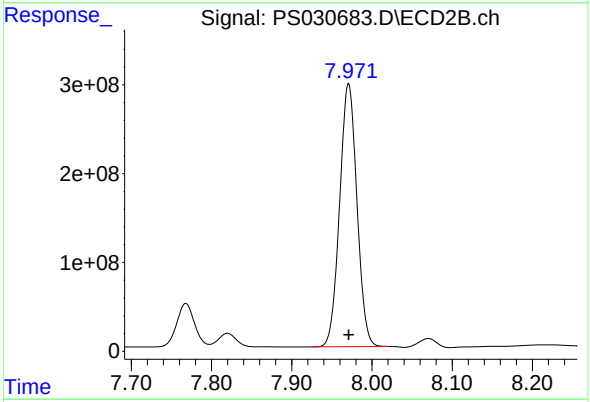
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 754716601
Conc: 750.00 ng/ml



#5 DICAMBA

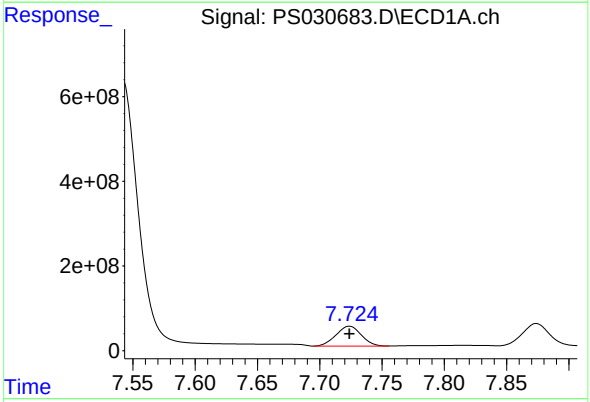
R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 10471481735
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



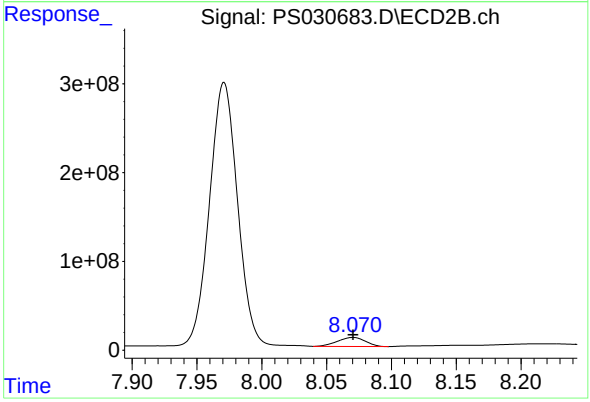
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 4437696761
Conc: 705.00 ng/ml



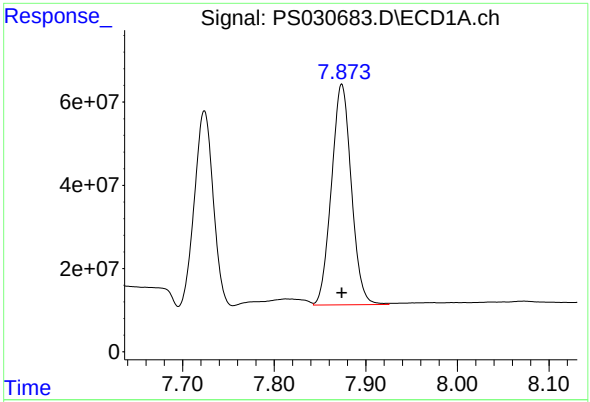
#6 MCPP

R.T.: 7.724 min
Delta R.T.: 0.000 min
Response: 662716290
Conc: 70.50 ug/ml



#6 MCPP

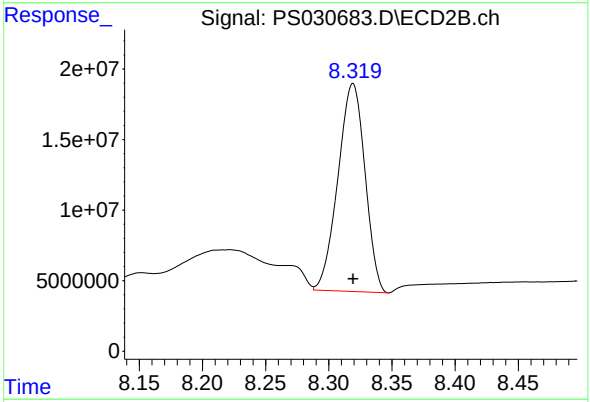
R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 153427257
Conc: 70.50 ug/ml



#7 MCPA

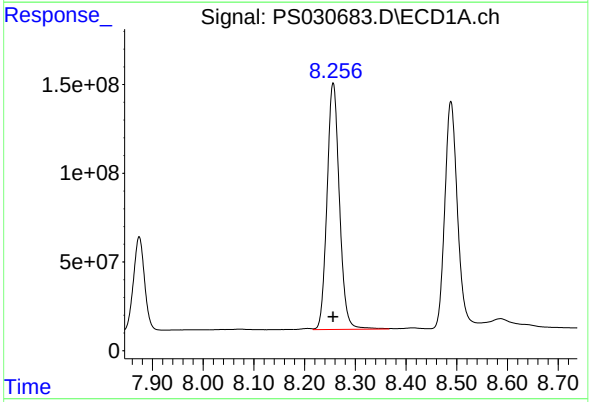
R.T.: 7.874 min
Delta R.T.: 0.000 min
Response: 799819020
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



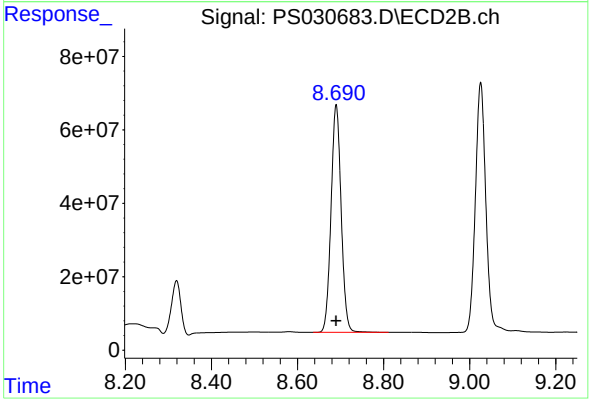
#7 MCPA

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 219371752
Conc: 69.75 ug/ml



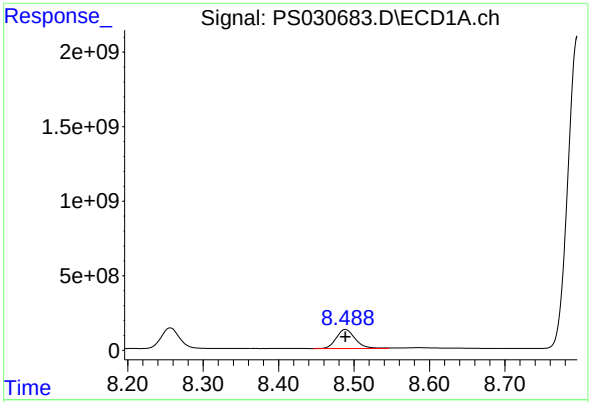
#8 DICHLORPROP

R.T.: 8.256 min
Delta R.T.: 0.000 min
Response: 2360006300
Conc: 705.00 ng/ml



#8 DICHLORPROP

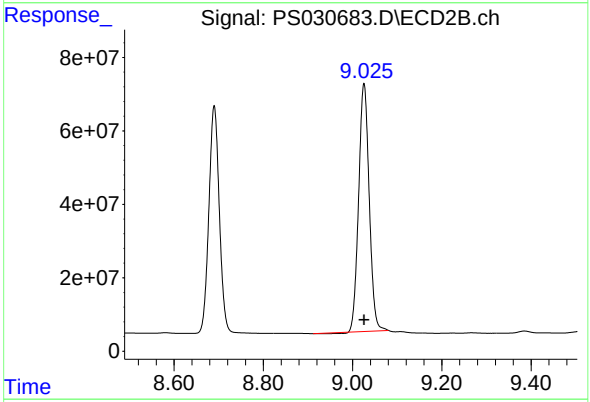
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 1010117313
Conc: 705.00 ng/ml



#9 2,4-D

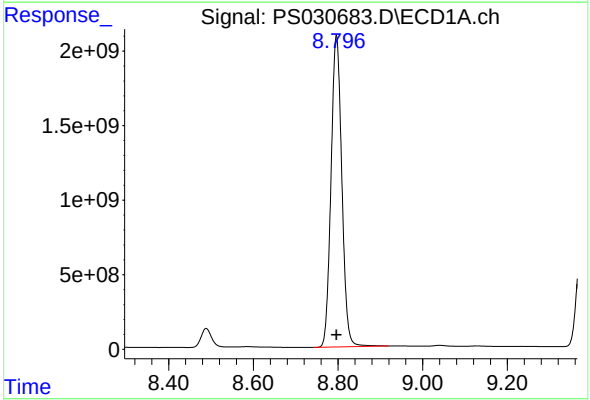
R.T.: 8.488 min
Delta R.T.: 0.000 min
Response: 2235436172
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



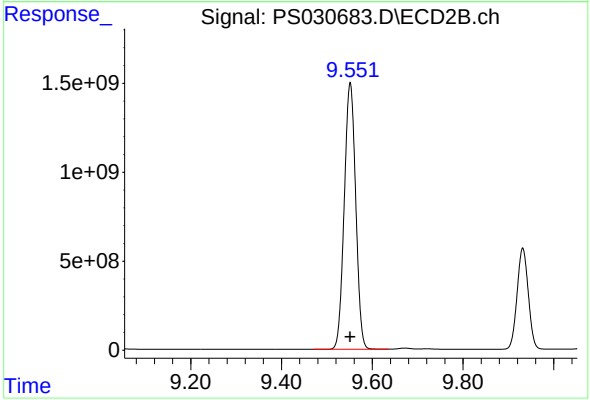
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 1103917344
Conc: 705.00 ng/ml



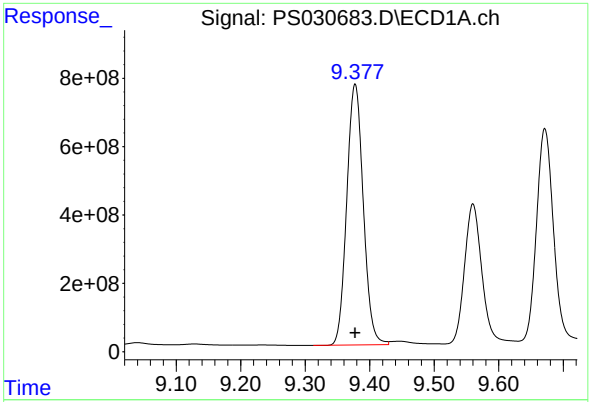
#10 Pentachlorophenol

R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 36925167148
Conc: 712.50 ng/ml



#10 Pentachlorophenol

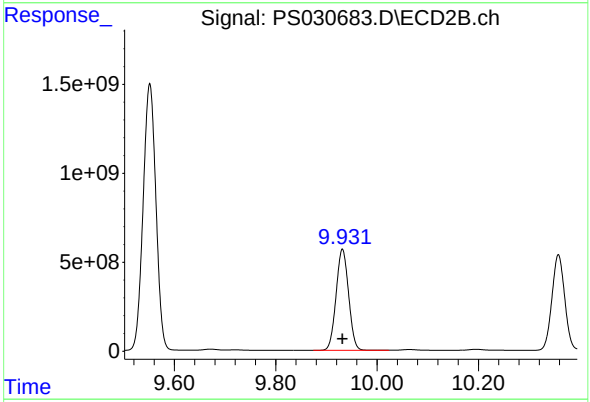
R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 26257626845
Conc: 712.50 ng/ml



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

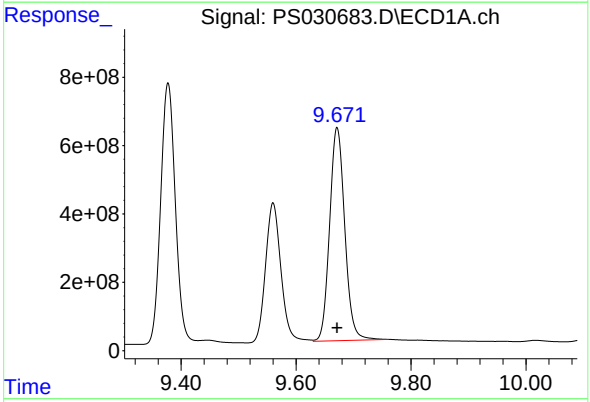
R.T.: 9.377 min
Delta R.T.: 0.000 min
Response: 13586668493
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



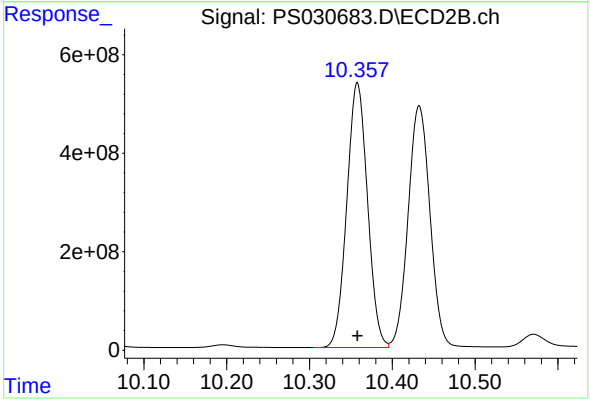
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 9730574673
Conc: 712.50 ng/ml



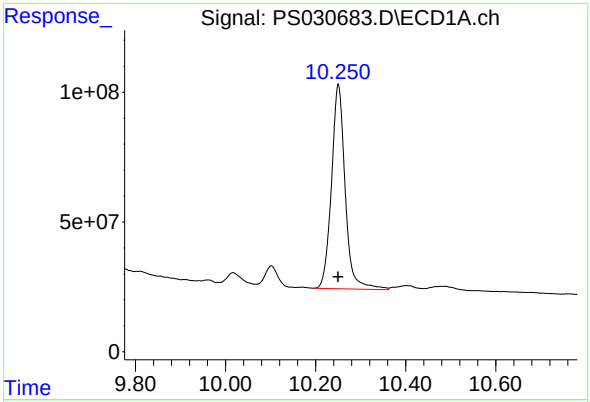
#12 2,4,5-T

R.T.: 9.671 min
Delta R.T.: 0.000 min
Response: 11366138863
Conc: 712.50 ng/ml



#12 2,4,5-T

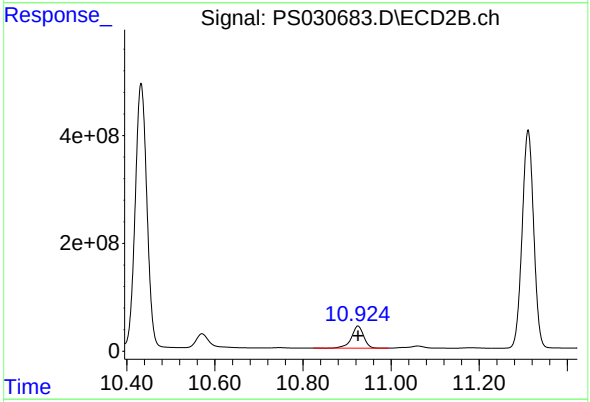
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 9338482174
Conc: 712.50 ng/ml



#13 2,4-DB

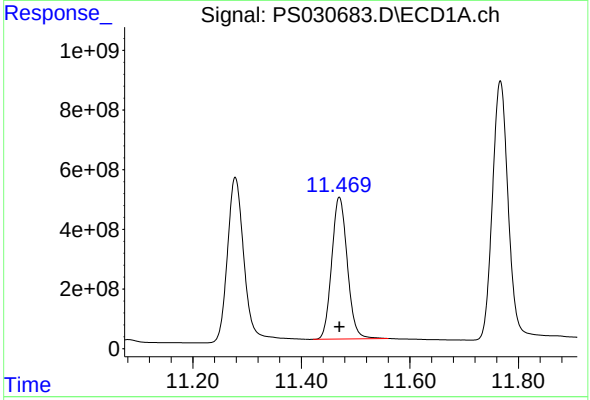
R.T.: 10.250 min
Delta R.T.: 0.000 min
Response: 1661320120
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



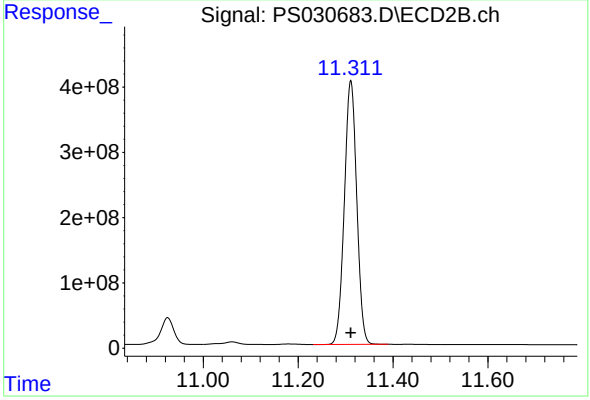
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 793324746
Conc: 712.50 ng/ml



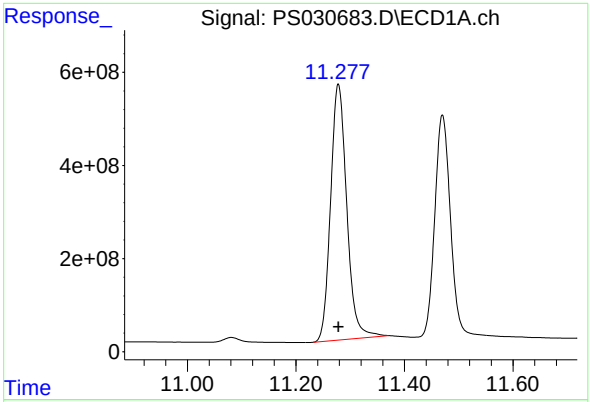
#14 DINOSEB

R.T.: 11.470 min
Delta R.T.: 0.000 min
Response: 9488008611
Conc: 705.00 ng/ml



#14 DINOSEB

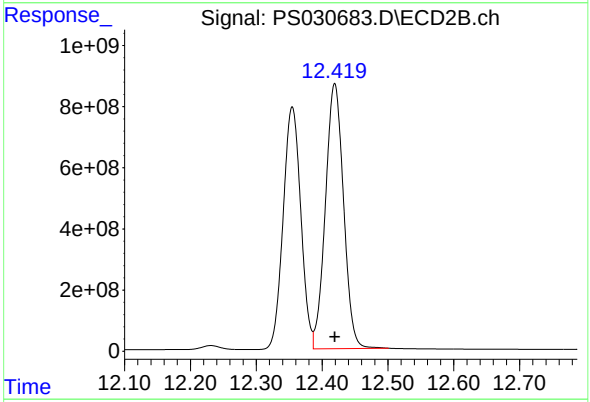
R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 7329018424
Conc: 705.00 ng/ml



#15 Picloram

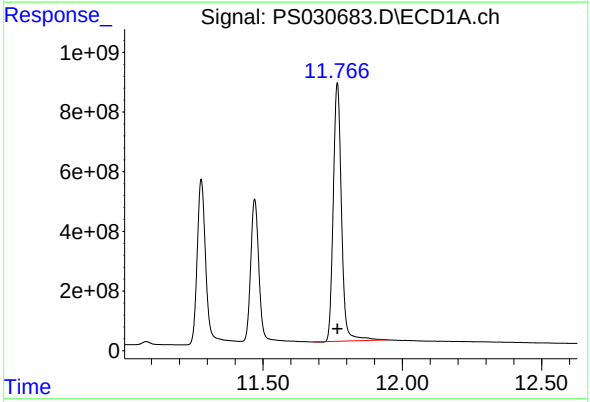
R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 11367366820
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



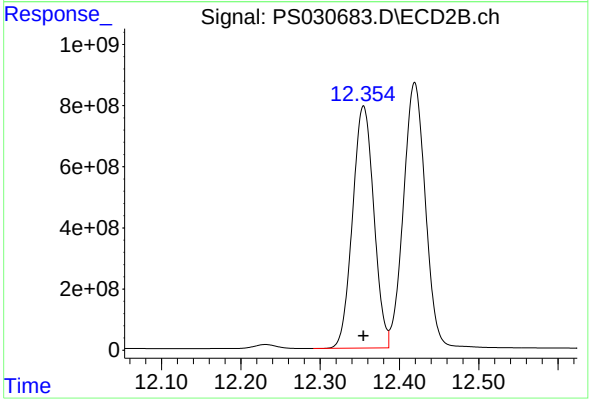
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 16595546626
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 17851468635
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 14761860487
Conc: 720.00 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030684.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:09
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:29:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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	7.351	7.768	3841.1E6	1005.1E6	1048.648	999.390
	Target Compounds						
1) T	Dalapon	2.708	2.710	5275.8E6	2418.1E6	900.580	913.612
2) T	3,5-DICHL...	6.510	6.713	4676.3E6	1403.3E6	924.580	929.799
3) T	4-Nitroph...	7.151	7.299	1390.7E6	1490.8E6	911.282	916.371
5) T	DICAMBA	7.542	7.971	13904.0E6	5971.6E6	938.043	944.319
6) T	MCPP	7.726	8.072	931.2E6	209.1E6	96.462	95.025
7) T	MCPA	7.876	8.321	1115.4E6	300.4E6	95.087	94.240
8) T	DICHLORPROP	8.257	8.689	3125.1E6	1337.2E6	936.769	936.614
9) T	2,4-D	8.489	9.026	3003.1E6	1467.1E6	943.540	938.482
10) T	Pentachlo...	8.800	9.551	44933.4E6	34663.5E6	906.618	945.274
11) T	2,4,5-TP ...	9.378	9.932	18204.7E6	12890.4E6	952.331	946.925
12) T	2,4,5-T	9.672	10.357	15551.2E6	12419.8E6	962.262	948.798
13) T	2,4-DB	10.251	10.925	2320.2E6	1056.8E6	972.010	949.587
14) T	DINOSEB	11.471	11.310	12796.6E6	9811.2E6	945.391	941.882
15) T	Picloram	11.278	12.419	15847.9E6	22237.3E6	971.186	952.353
16) T	DCPA	11.766	12.355	23652.6E6	18902.1E6	956.978	923.869

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

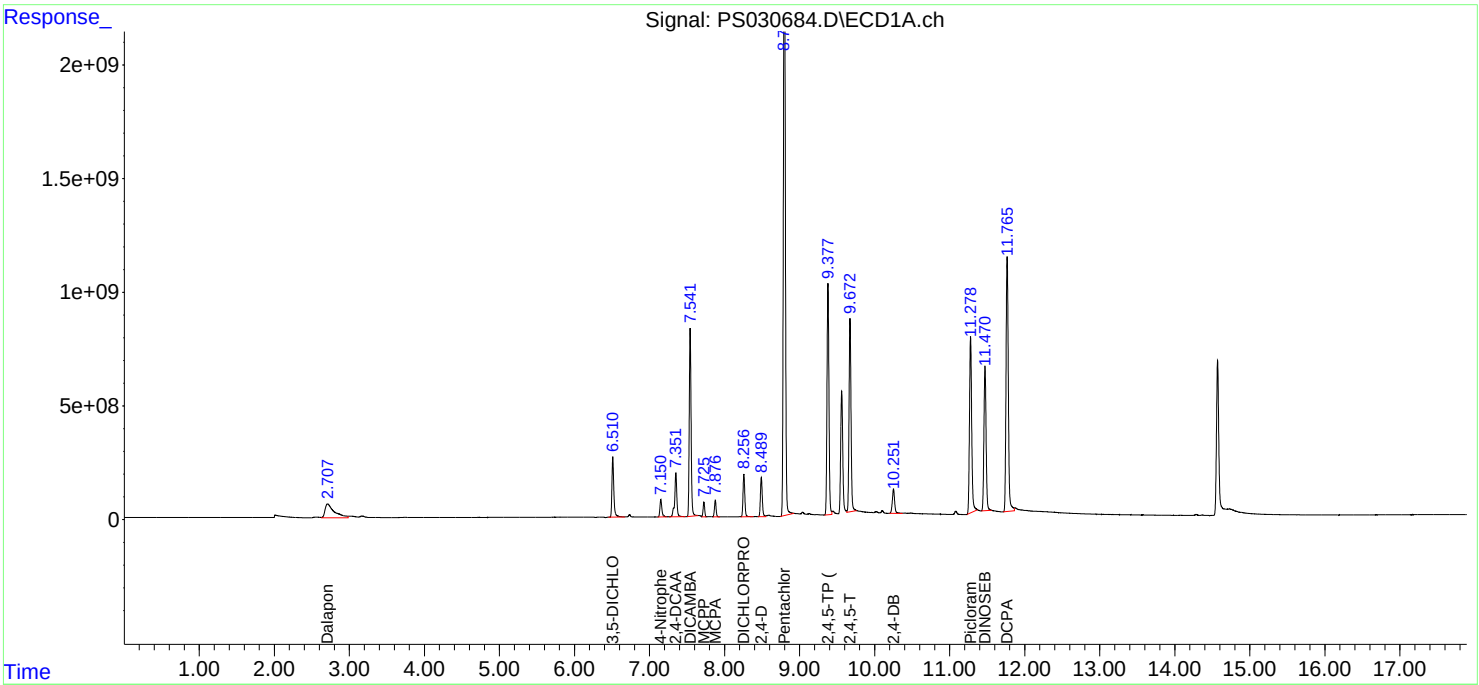
Quantitation Report (Not Reviewed)

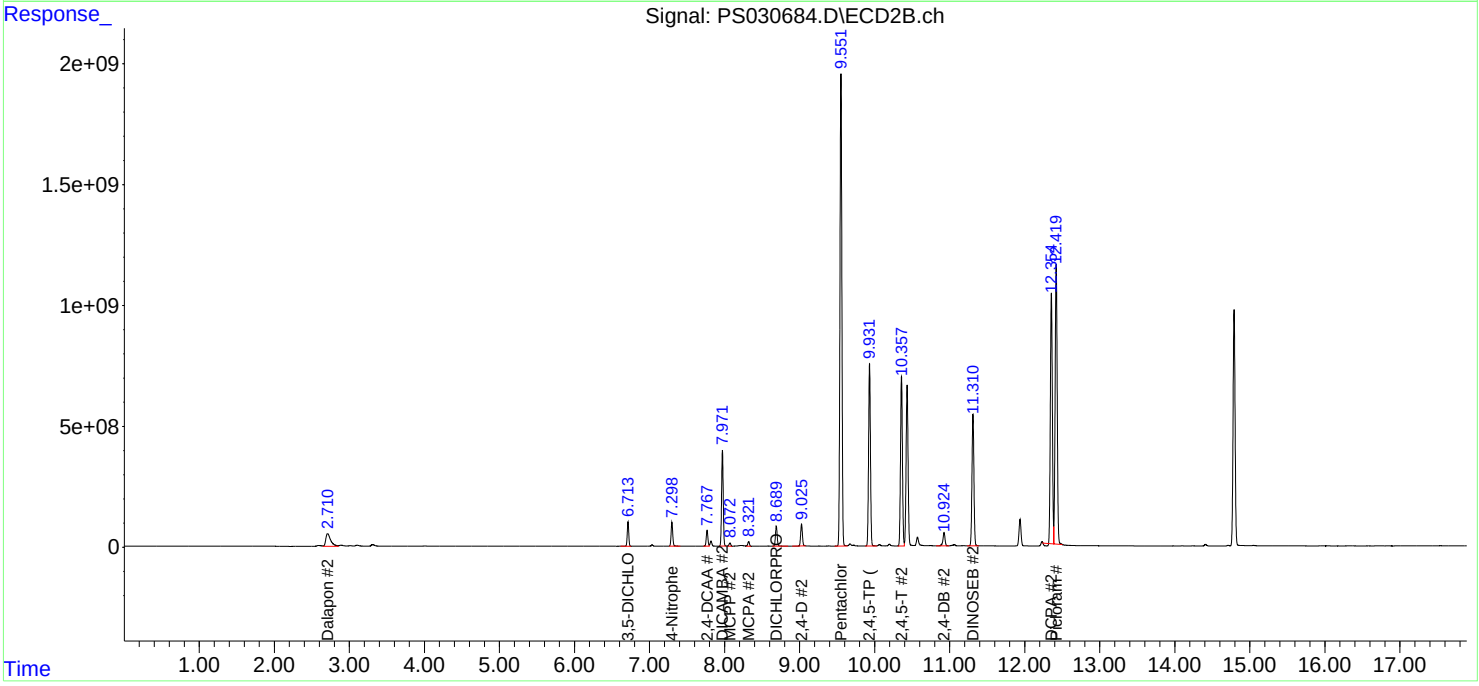
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030684.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:09
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

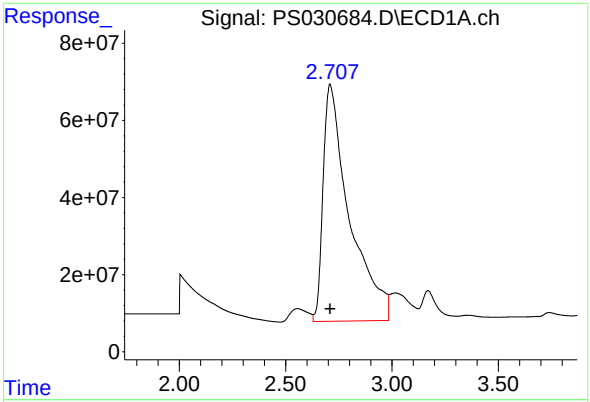
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:29:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:23:46 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



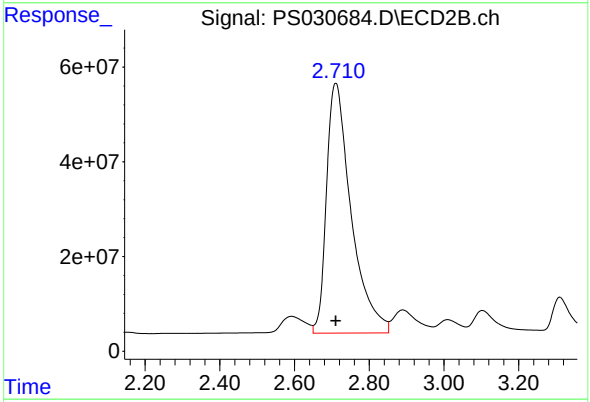




#1 Dalapon

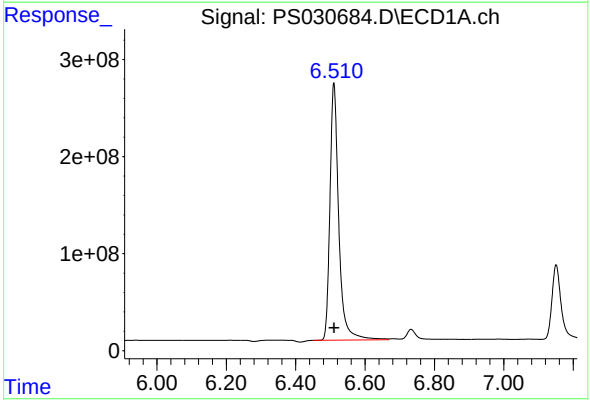
R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 5275811124
Conc: 900.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



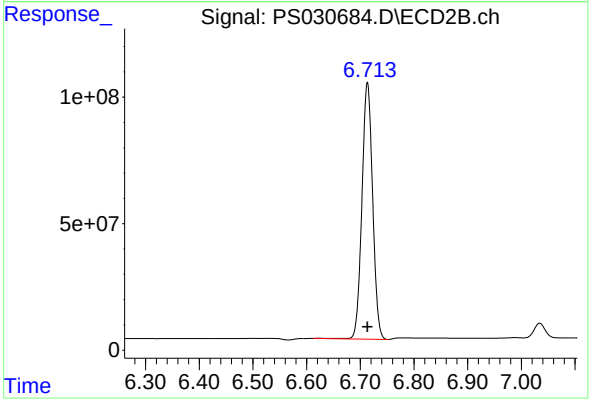
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 2418130122
Conc: 913.61 ng/ml



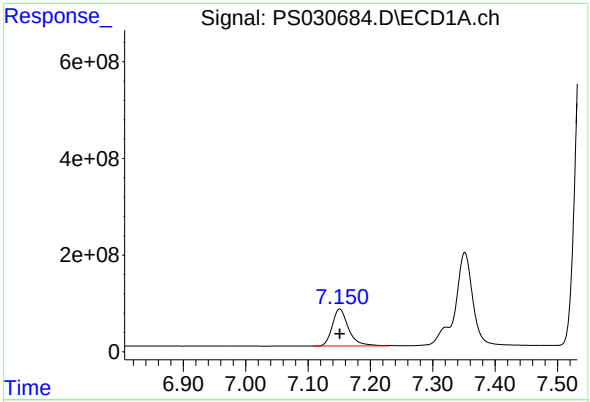
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 4676329142
Conc: 924.58 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

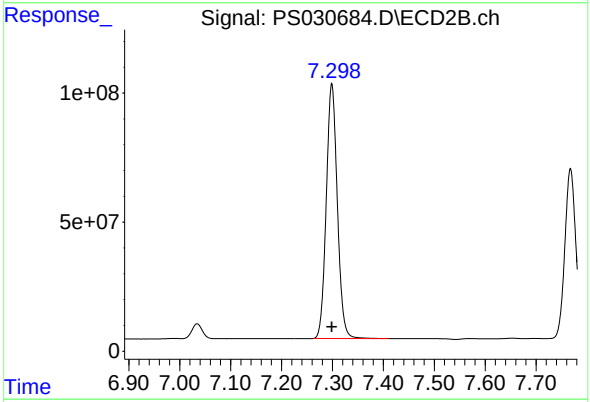
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1403323106
Conc: 929.80 ng/ml



#3 4-Nitrophenol

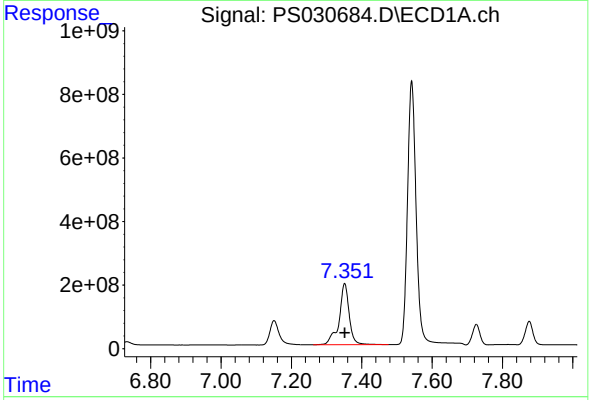
R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 1390700972
Conc: 911.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



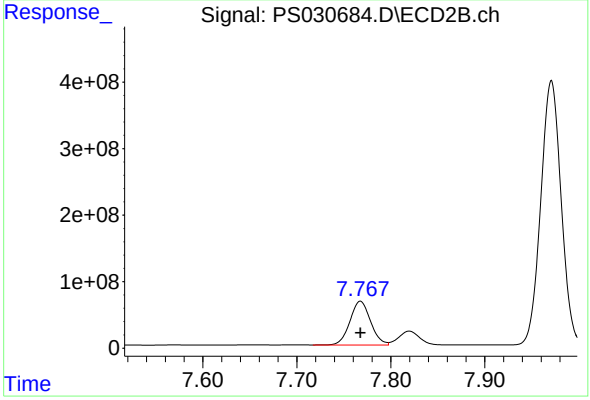
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1490829258
Conc: 916.37 ng/ml



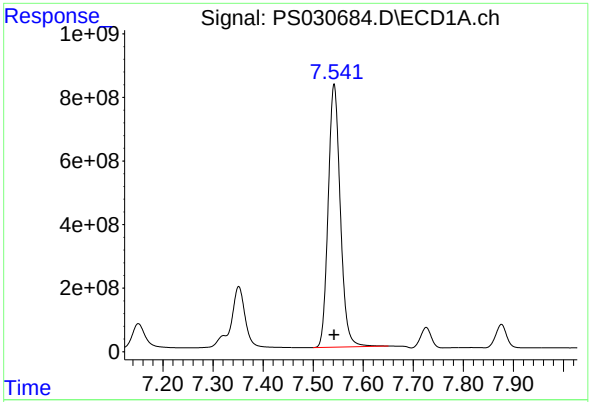
#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 3841145263
Conc: 1048.65 ng/ml



#4 2,4-DCAA

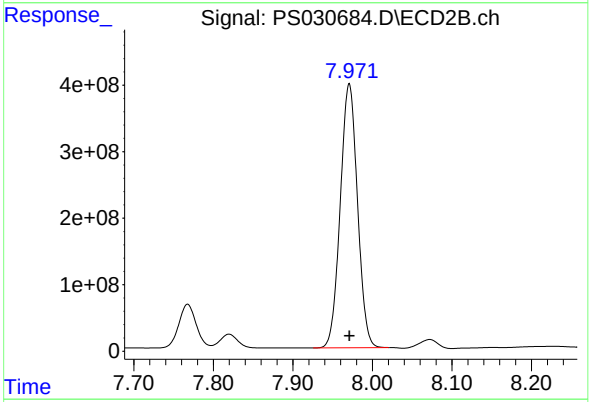
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 1005061215
Conc: 999.39 ng/ml



#5 DICAMBA

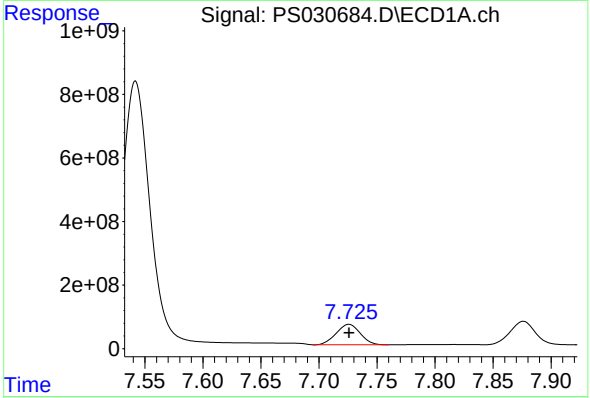
R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 13903954650
Conc: 938.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



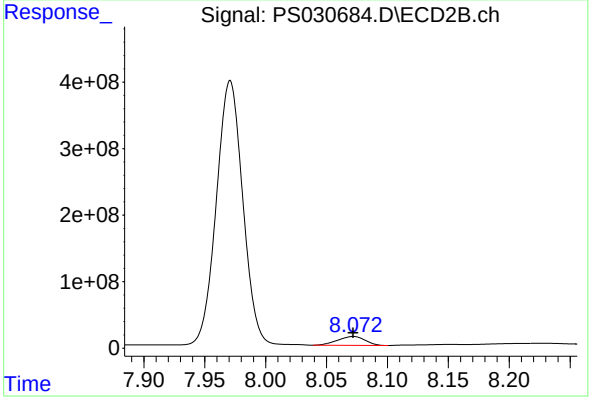
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 5971558462
Conc: 944.32 ng/ml



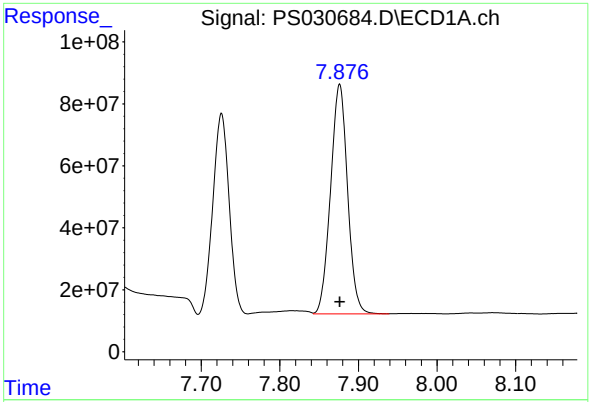
#6 MCPP

R.T.: 7.726 min
Delta R.T.: 0.000 min
Response: 931153265
Conc: 96.46 ug/ml



#6 MCPP

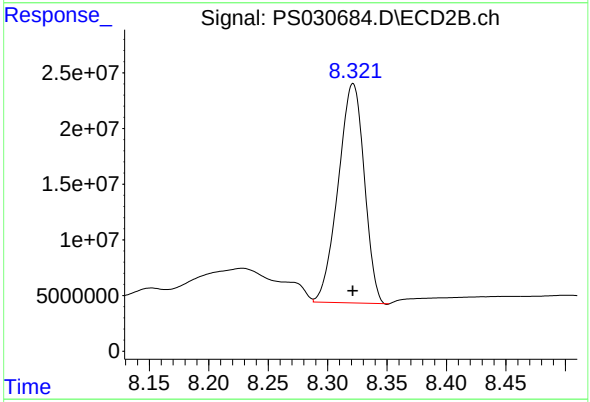
R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 209080560
Conc: 95.03 ug/ml



#7 MCPA

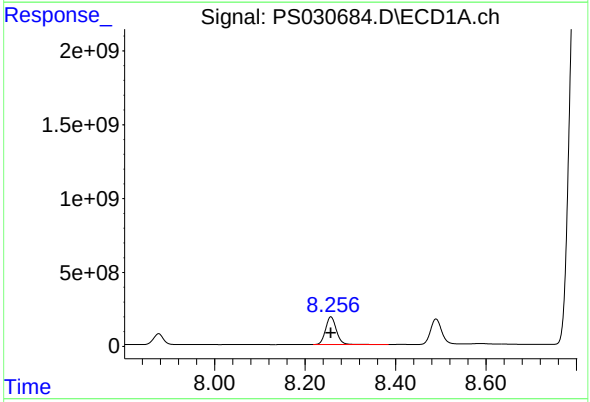
R.T.: 7.876 min
Delta R.T.: 0.000 min
Response: 1115394846
Conc: 95.09 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



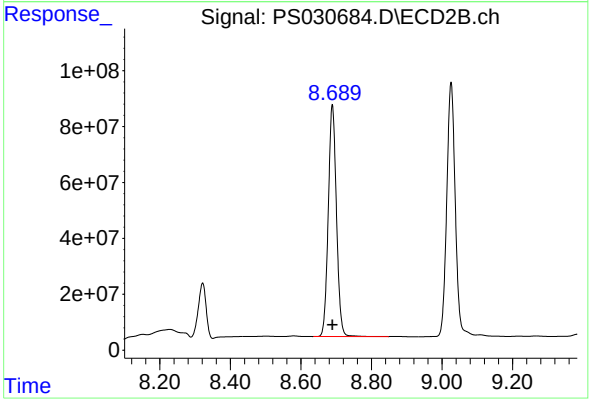
#7 MCPA

R.T.: 8.321 min
Delta R.T.: 0.000 min
Response: 300399266
Conc: 94.24 ug/ml



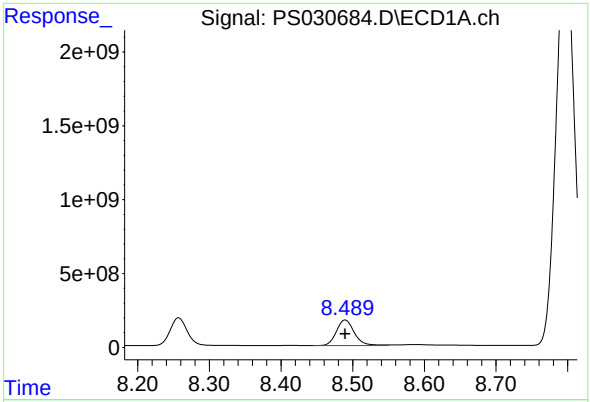
#8 DICHLORPROP

R.T.: 8.257 min
Delta R.T.: 0.000 min
Response: 3125118358
Conc: 936.77 ng/ml



#8 DICHLORPROP

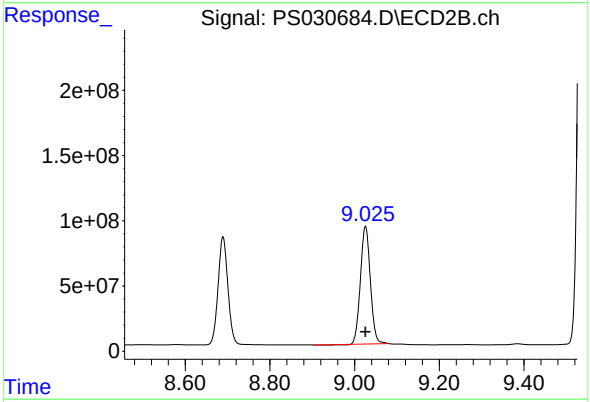
R.T.: 8.689 min
Delta R.T.: 0.000 min
Response: 1337156248
Conc: 936.61 ng/ml



#9 2,4-D

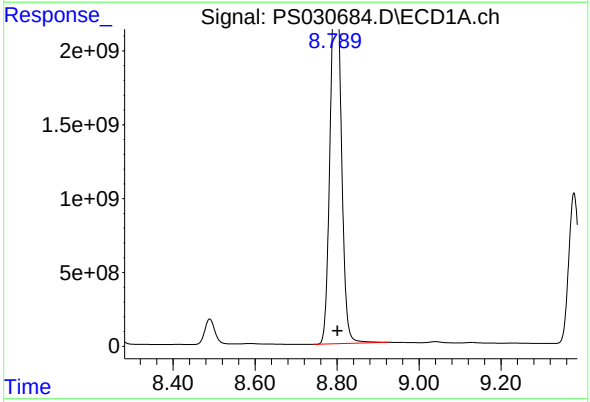
R.T.: 8.489 min
Delta R.T.: 0.000 min
Response: 3003113742
Conc: 943.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



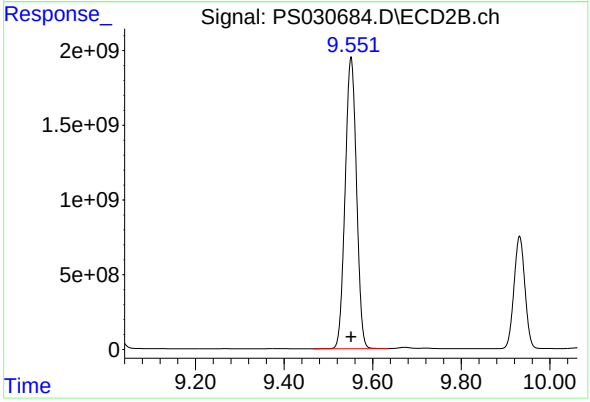
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 1467143650
Conc: 938.48 ng/ml



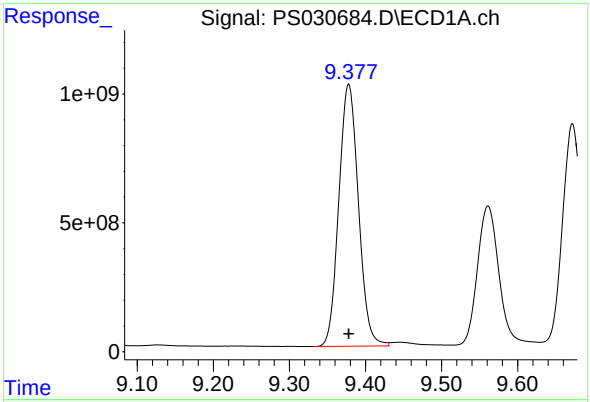
#10 Pentachlorophenol

R.T.: 8.800 min
Delta R.T.: 0.000 min
Response: 44933444165
Conc: 906.62 ng/ml



#10 Pentachlorophenol

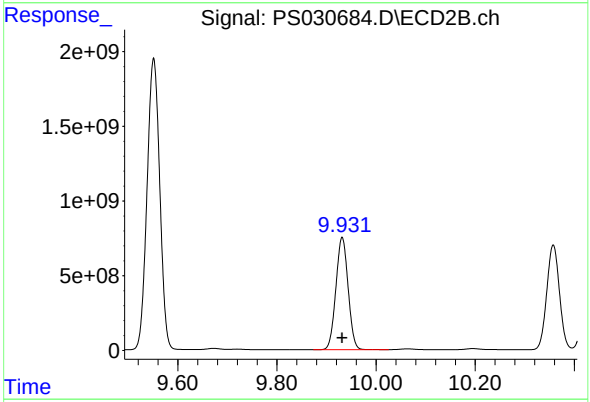
R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 34663546114
Conc: 945.27 ng/ml



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

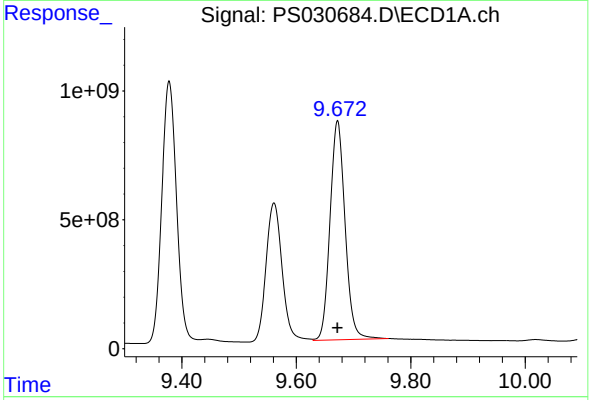
R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 18204673293
Conc: 952.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



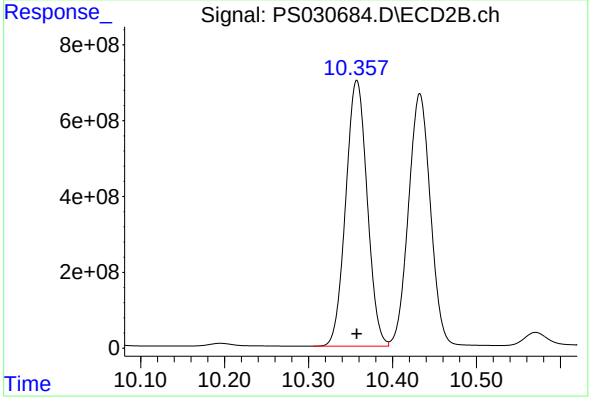
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 12890381830
Conc: 946.93 ng/ml



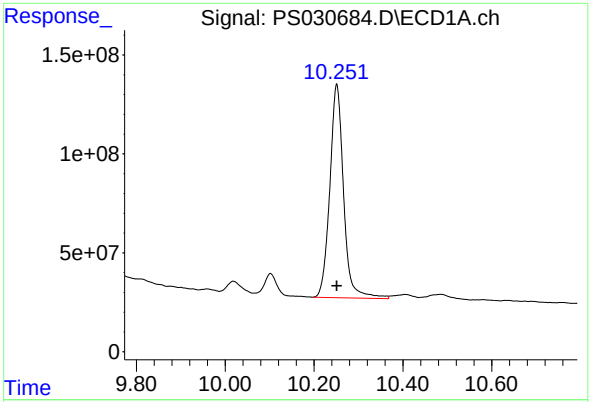
#12 2,4,5-T

R.T.: 9.672 min
Delta R.T.: 0.000 min
Response: 15551179341
Conc: 962.26 ng/ml



#12 2,4,5-T

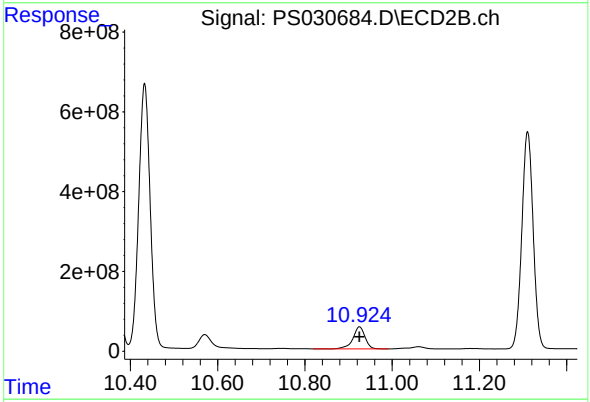
R.T.: 10.357 min
Delta R.T.: 0.000 min
Response: 12419833402
Conc: 948.80 ng/ml



#13 2,4-DB

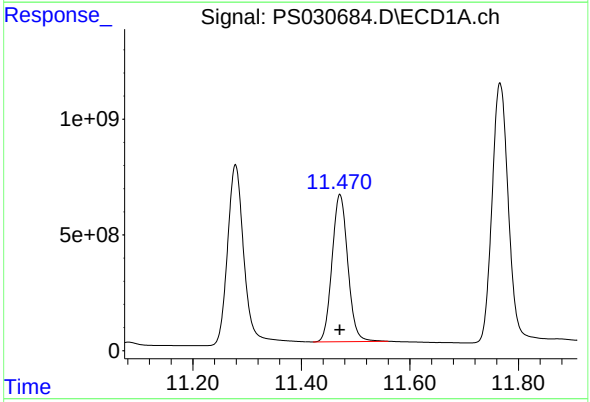
R.T.: 10.251 min
Delta R.T.: 0.000 min
Response: 2320170208
Conc: 972.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



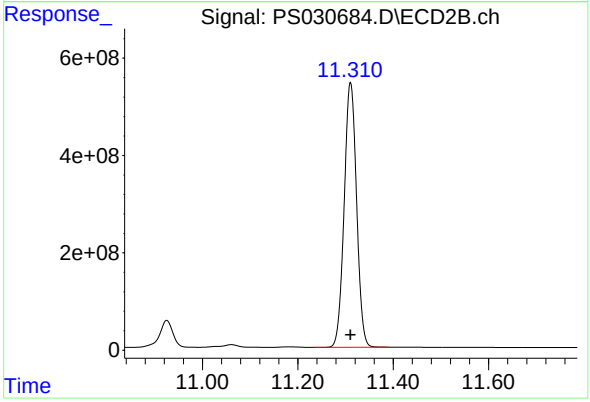
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 1056847799
Conc: 949.59 ng/ml



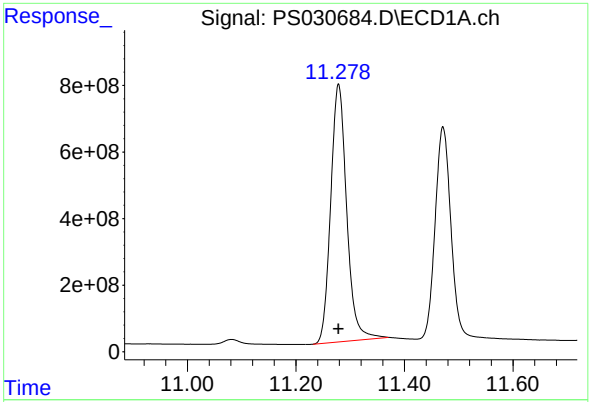
#14 DINOSEB

R.T.: 11.471 min
Delta R.T.: 0.000 min
Response: 12796610171
Conc: 945.39 ng/ml



#14 DINOSEB

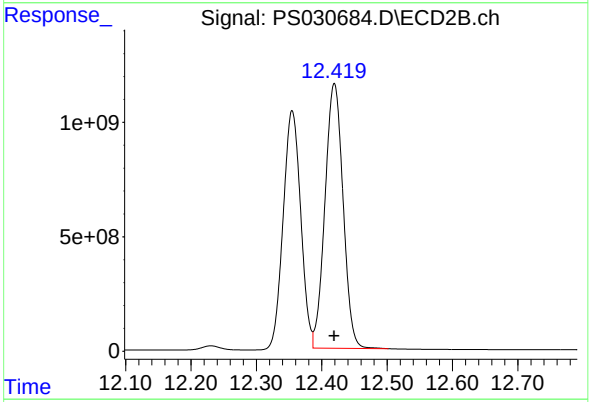
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 9811228555
Conc: 941.88 ng/ml



#15 Picloram

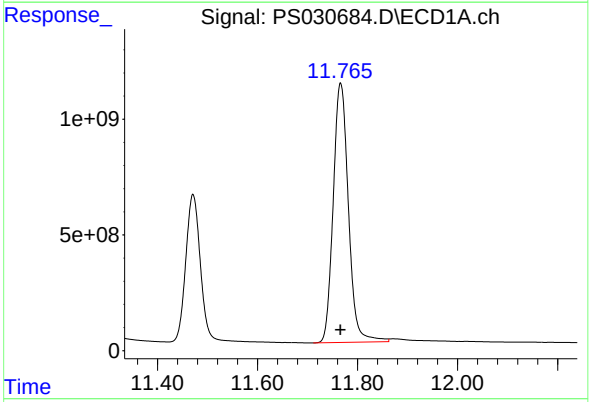
R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 15847936237
Conc: 971.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



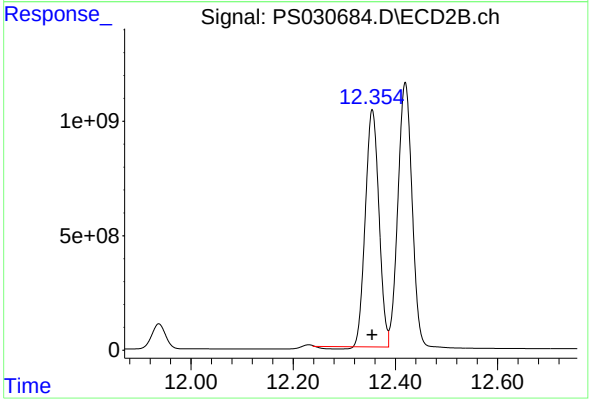
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 22237278300
Conc: 952.35 ng/ml



#16 DCPA

R.T.: 11.766 min
Delta R.T.: 0.000 min
Response: 23652563828
Conc: 956.98 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 18902091734
Conc: 923.87 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:33
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:51:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:50:52 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	7.351	7.768	5482.0E6	1449.1E6	1468.392	1342.182
		Target Compounds						
1)	T	Dalapon	2.709	2.710	7566.5E6	3498.9E6	1209.725	1243.331
2)	T	3,5-DICHL...	6.510	6.713	6658.3E6	2027.0E6	1224.606	1253.012
3)	T	4-Nitroph...	7.150	7.299	2047.2E6	2207.8E6	1255.775	1295.001
5)	T	DICAMBA	7.542	7.971	19900.1E6	8717.4E6	1271.935	1314.740
6)	T	MCPP	7.728	8.075	1454.0E6	313.6E6	152.874	142.474
7)	T	MCPA	7.880	8.325	1715.5E6	449.3E6	143.956	140.136
8)	T	DICHLORPROP	8.256	8.690	4505.3E6	1924.3E6	1225.830	1255.758
9)	T	2,4-D	8.489	9.025	4392.7E6	2120.6E6	1291.838	1264.946
10)	T	Pentachlo...	8.803	9.553	52523.2E6	45159.8E6	1016.112	1191.003
11)	T	2,4,5-TP ...	9.378	9.932	25977.1E6	18348.1E6	1298.412	1278.202
12)	T	2,4,5-T	9.672	10.357	22738.0E6	17743.5E6	1367.447	1286.827
13)	T	2,4-DB	10.251	10.925	3523.2E6	1533.6E6	1425.728	1292.521
14)	T	DINOSEB	11.471	11.311	18419.9E6	14215.0E6	1300.713	1297.302
15)	T	Picloram	11.278	12.418	23869.1E6	32430.5E6	1429.614	1352.633
16)	T	DCPA	11.767	12.355	34239.6E6	27504.1E6	1318.167	1282.870

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

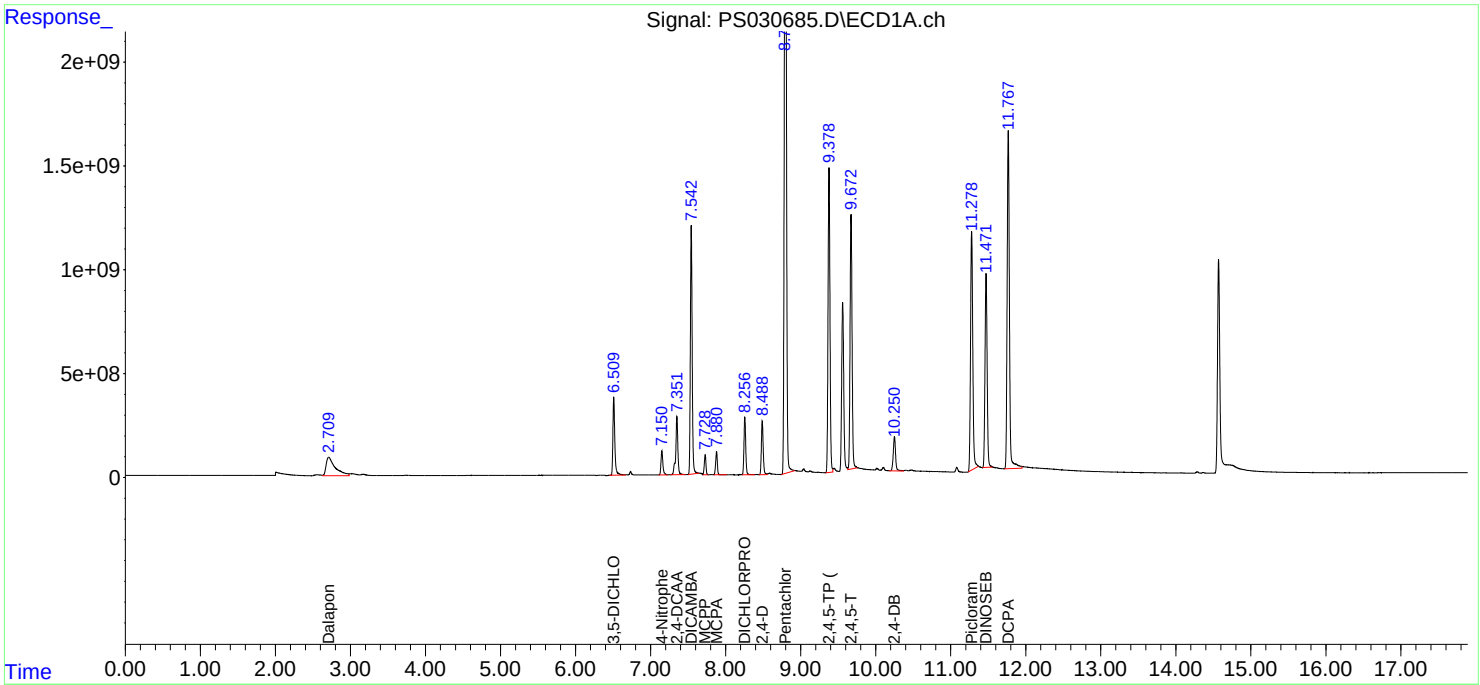
Quantitation Report (Not Reviewed)

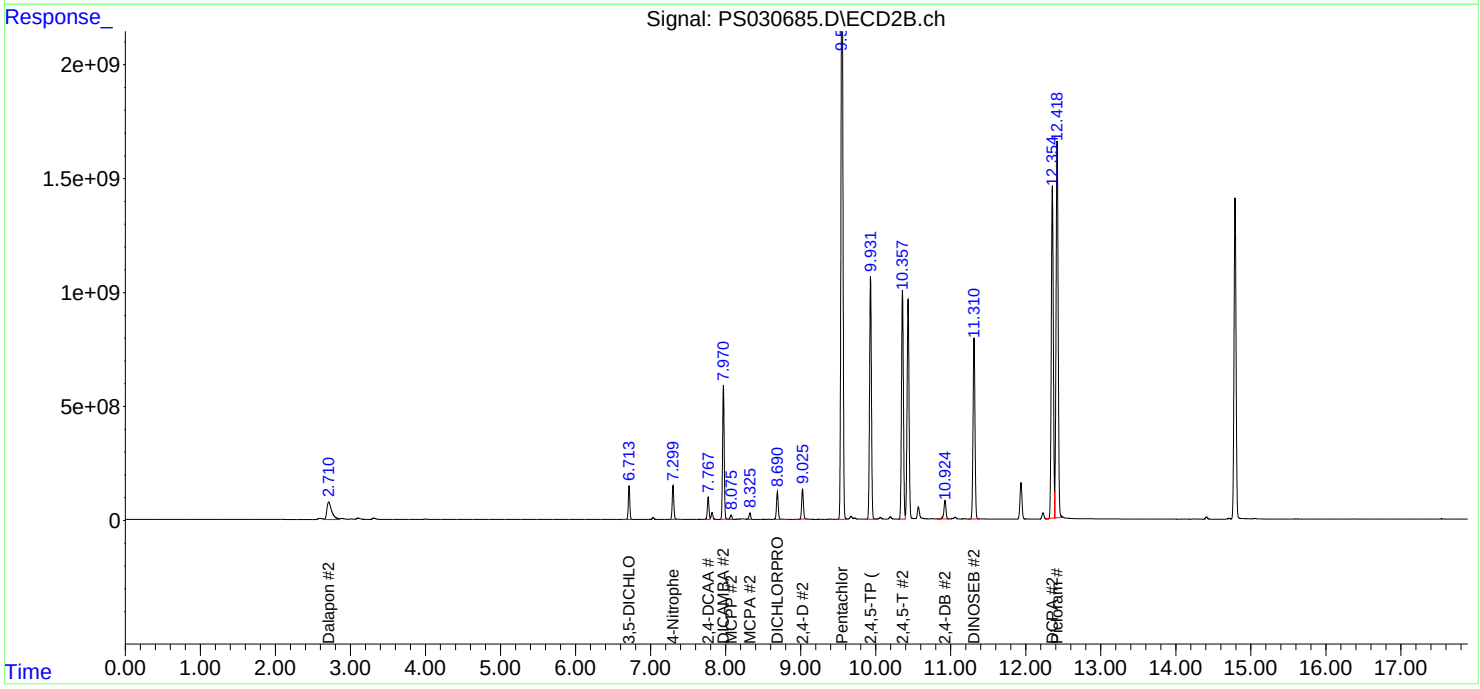
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:33
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

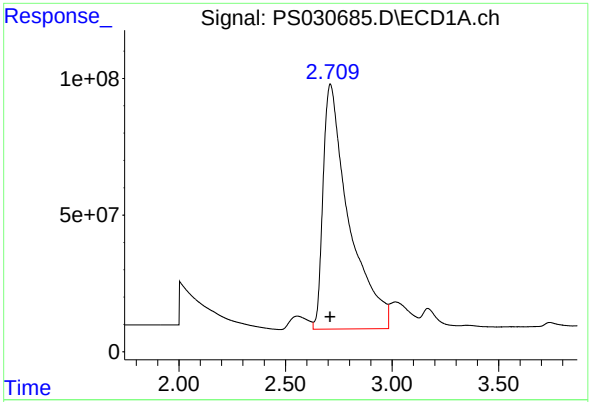
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 11:51:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:50:52 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



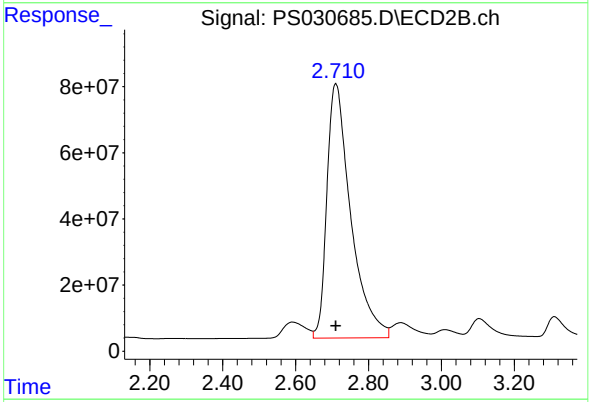




#1 Dalapon

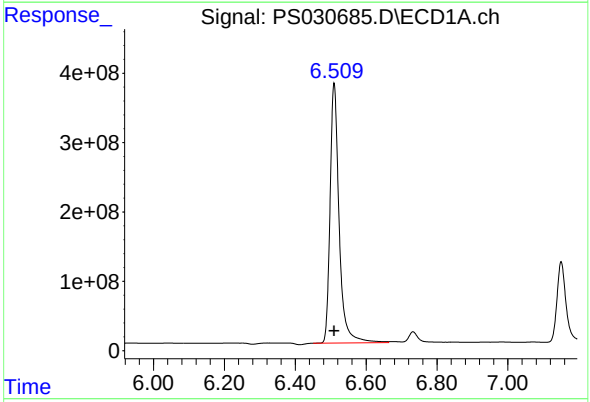
R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 7566528048
Conc: 1209.73 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



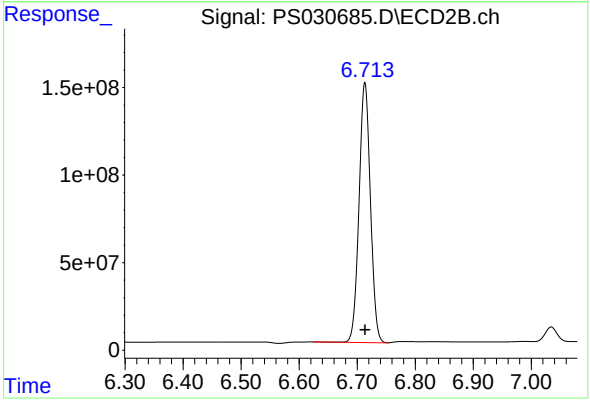
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 3498934666
Conc: 1243.33 ng/ml



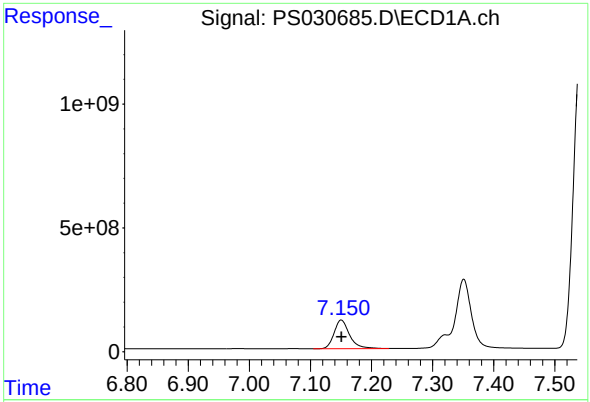
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 6658251404
Conc: 1224.61 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

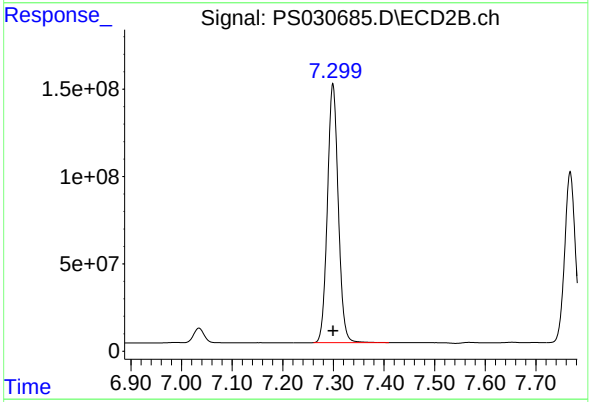
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 2026973360
Conc: 1253.01 ng/ml



#3 4-Nitrophenol

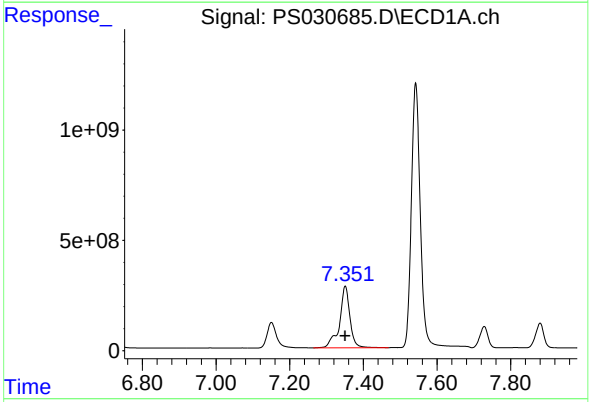
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 2047225485
Conc: 1255.78 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



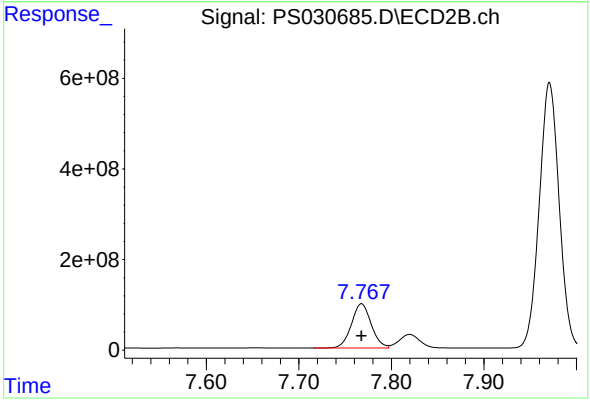
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 2207777941
Conc: 1295.00 ng/ml



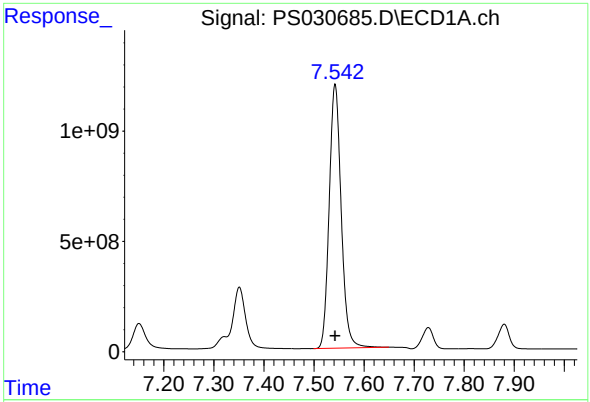
#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 5481995807
Conc: 1468.39 ng/ml



#4 2,4-DCAA

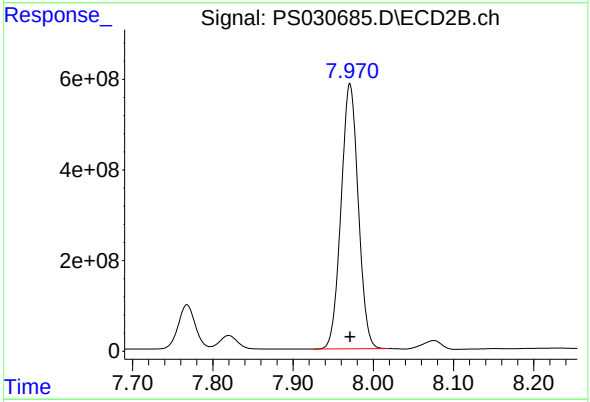
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 1449141995
Conc: 1342.18 ng/ml



#5 DICAMBA

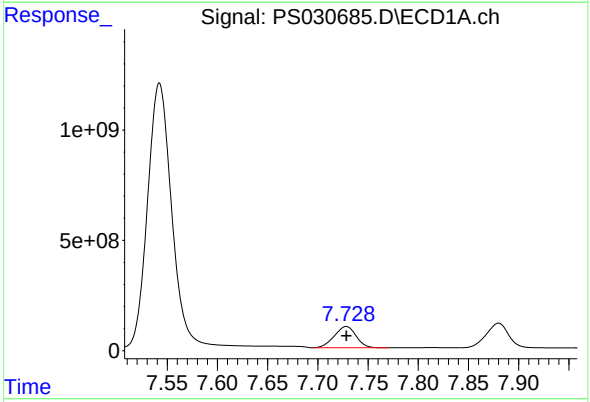
R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 19900147396
Conc: 1271.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



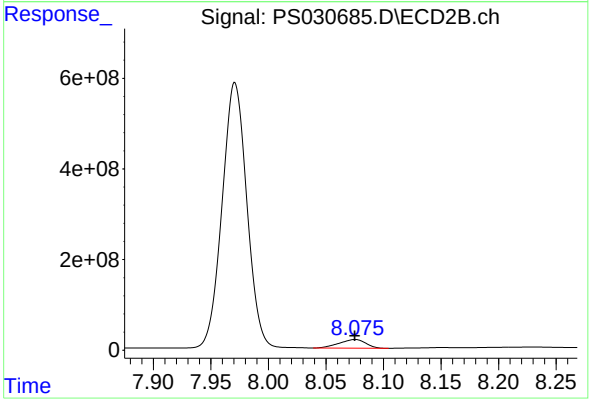
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 8717396520
Conc: 1314.74 ng/ml



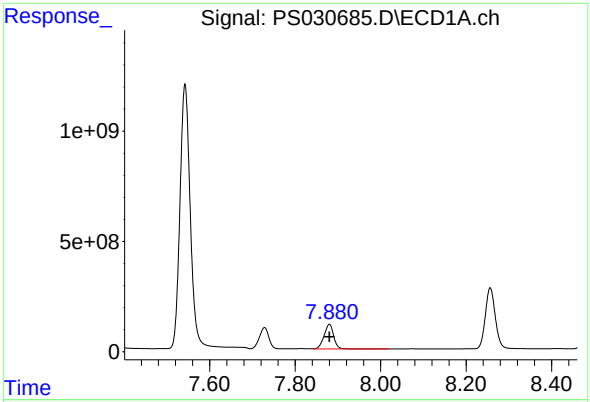
#6 MCPP

R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 1453962207
Conc: 152.87 ug/ml



#6 MCPP

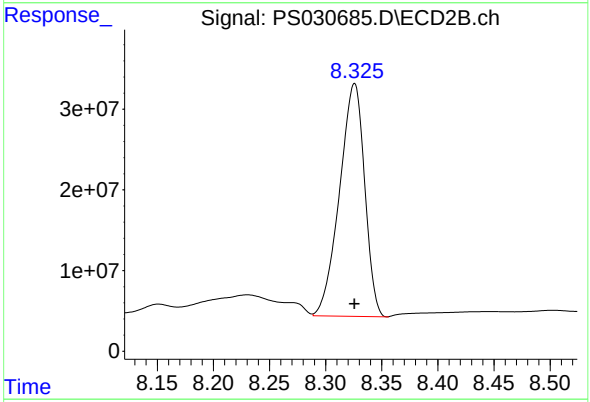
R.T.: 8.075 min
Delta R.T.: 0.000 min
Response: 313639536
Conc: 142.47 ug/ml



#7 MCPA

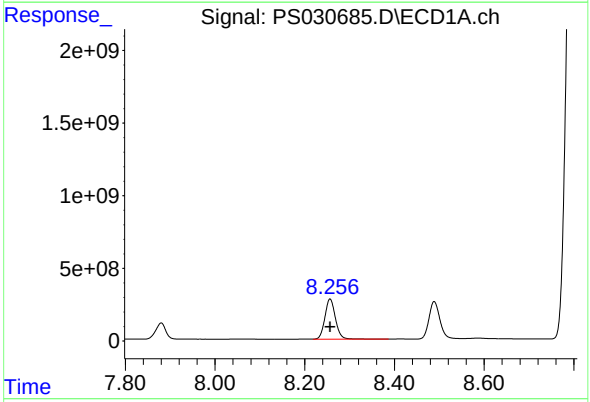
R.T.: 7.880 min
Delta R.T.: 0.000 min
Response: 1715545863
Conc: 143.96 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



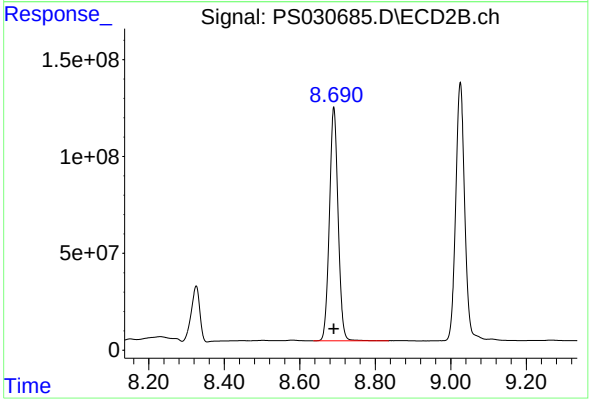
#7 MCPA

R.T.: 8.325 min
Delta R.T.: 0.000 min
Response: 449288184
Conc: 140.14 ug/ml



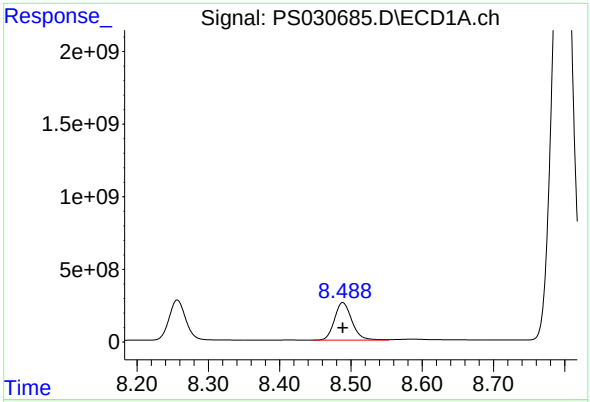
#8 DICHLORPROP

R.T.: 8.256 min
Delta R.T.: 0.000 min
Response: 4505261754
Conc: 1225.83 ng/ml



#8 DICHLORPROP

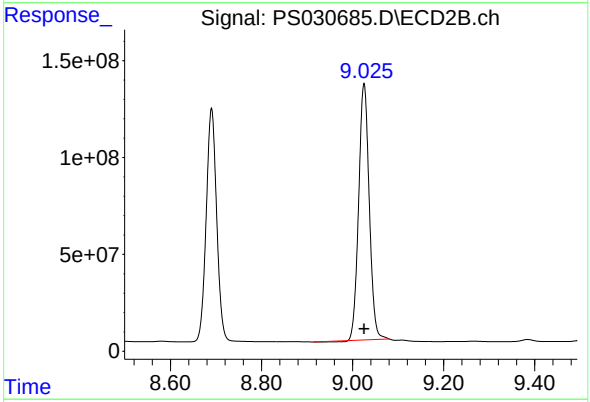
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 1924281791
Conc: 1255.76 ng/ml



#9 2,4-D

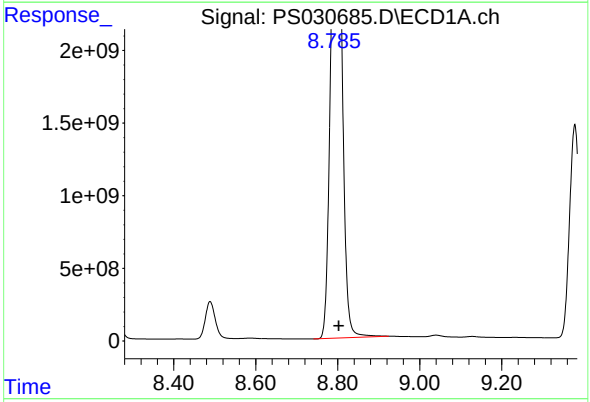
R.T.: 8.489 min
Delta R.T.: 0.000 min
Response: 4392717833
Conc: 1291.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



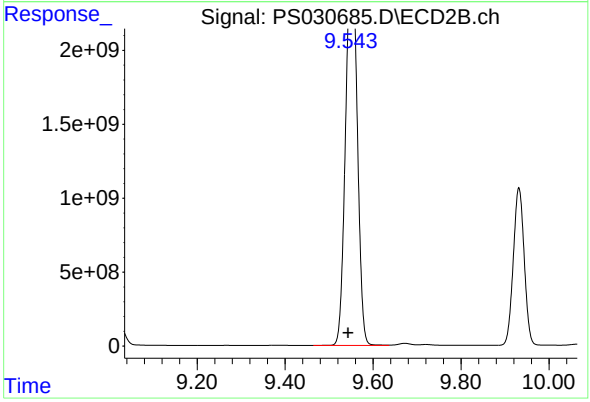
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 2120613180
Conc: 1264.95 ng/ml



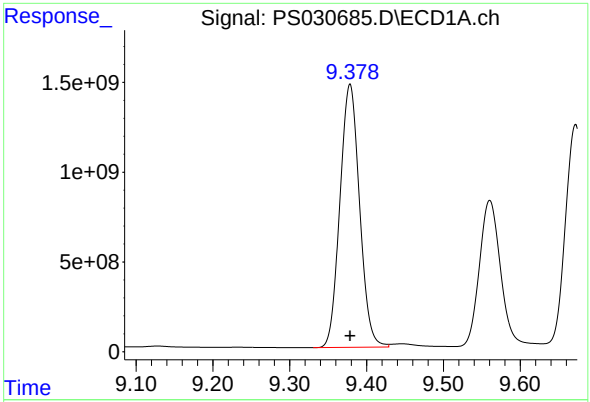
#10 Pentachlorophenol

R.T.: 8.803 min
Delta R.T.: 0.000 min
Response: 52523176165
Conc: 1016.11 ng/ml



#10 Pentachlorophenol

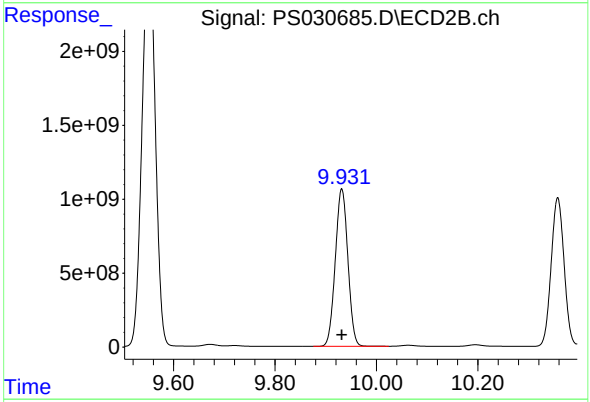
R.T.: 9.553 min
Delta R.T.: 0.010 min
Response: 45159775732
Conc: 1191.00 ng/ml



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

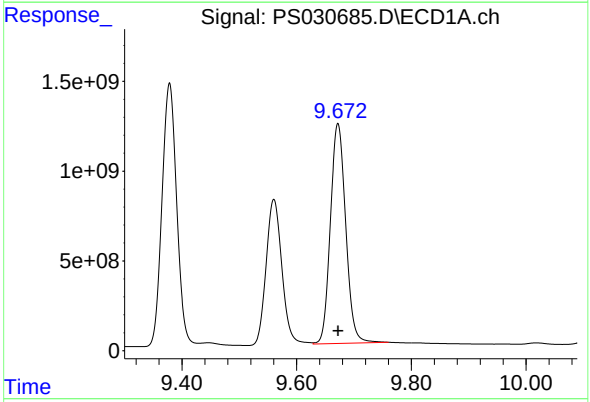
R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 25977098870
Conc: 1298.41 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



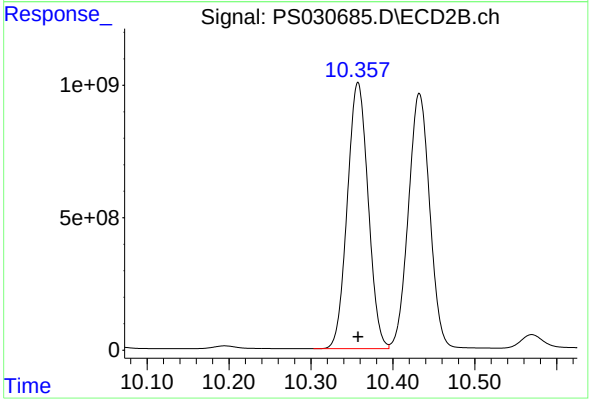
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 18348080463
Conc: 1278.20 ng/ml



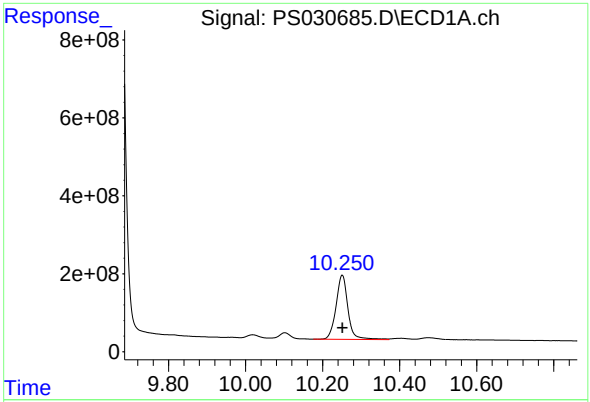
#12 2,4,5-T

R.T.: 9.672 min
Delta R.T.: 0.000 min
Response: 22737962636
Conc: 1367.45 ng/ml



#12 2,4,5-T

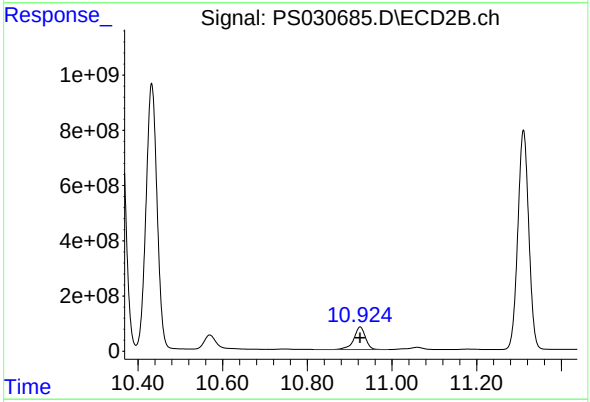
R.T.: 10.357 min
Delta R.T.: 0.000 min
Response: 17743473755
Conc: 1286.83 ng/ml



#13 2,4-DB

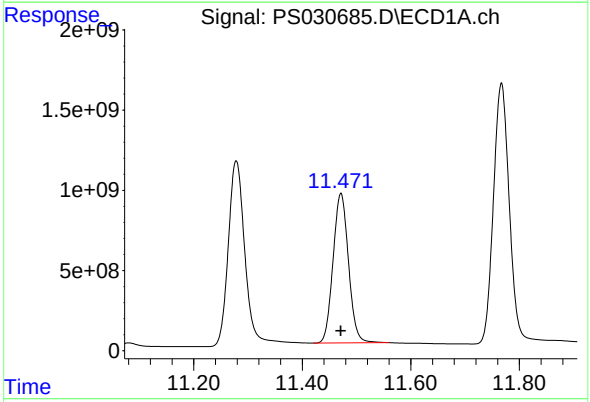
R.T.: 10.251 min
Delta R.T.: 0.000 min
Response: 3523195581
Conc: 1425.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



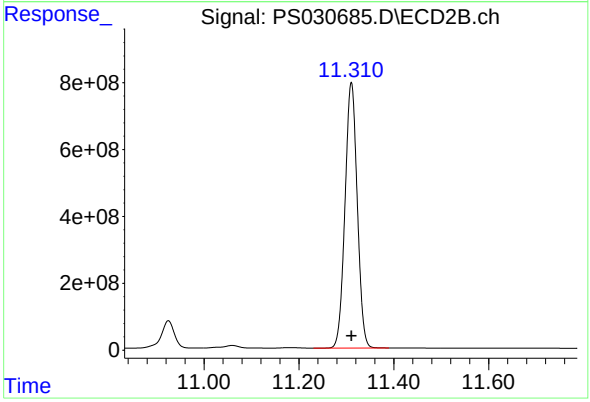
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 1533648276
Conc: 1292.52 ng/ml



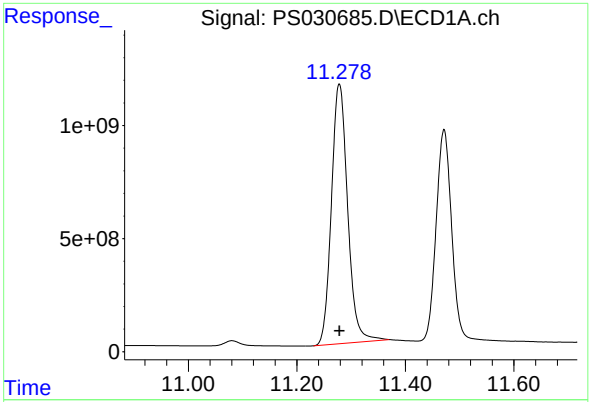
#14 DINOSEB

R.T.: 11.471 min
Delta R.T.: 0.000 min
Response: 18419887373
Conc: 1300.71 ng/ml



#14 DINOSEB

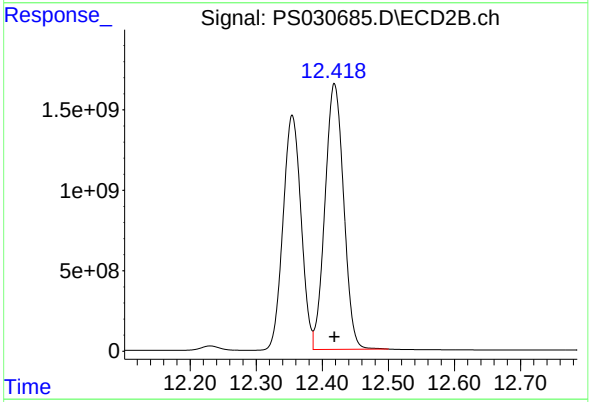
R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 14215046686
Conc: 1297.30 ng/ml



#15 Picloram

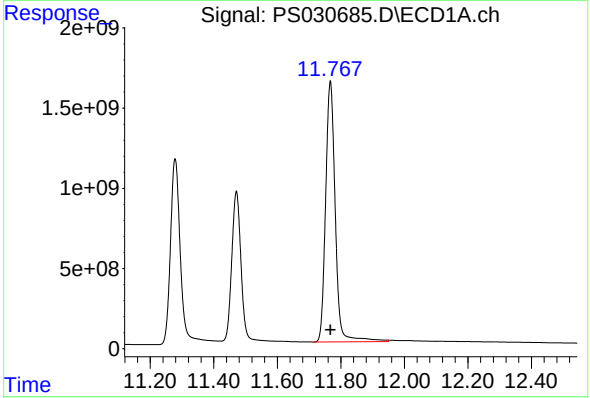
R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 23869114684
Conc: 1429.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



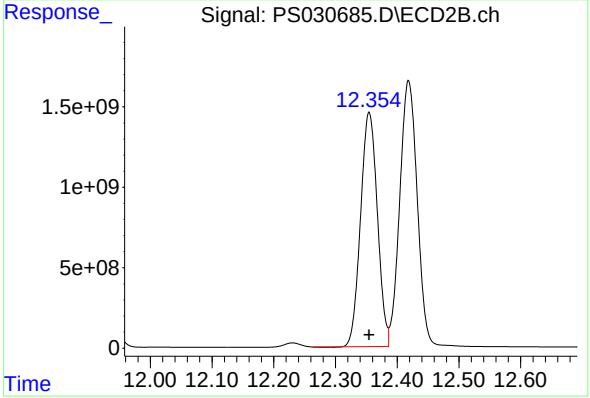
#15 Picloram

R.T.: 12.418 min
Delta R.T.: 0.000 min
Response: 32430533614
Conc: 1352.63 ng/ml



#16 DCPA

R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 34239601036
Conc: 1318.17 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 27504095218
Conc: 1282.87 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:57
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS061625

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 12:24:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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	7.351	7.767	2911.0E6	759.8E6	774.036	703.715
	Target Compounds						
1) T	Dalapon	2.708	2.709	4014.4E6	1804.1E6	641.812	641.087
2) T	3,5-DICHL...	6.510	6.713	3528.6E6	1059.7E6	648.982	655.055
3) T	4-Nitroph...	7.150	7.299	1033.9E6	1107.1E6	634.193	649.407
5) T	DICAMBA	7.542	7.970	10445.4E6	4464.3E6	667.624	673.299
6) T	MCPP	7.724	8.070	663.5E6	154.7E6	69.764	70.267
7) T	MCPA	7.874	8.319	800.3E6	218.4E6	67.159	68.132
8) T	DICHLORPROP	8.256	8.690	2361.7E6	1016.2E6	642.605	663.162
9) T	2,4-D	8.489	9.025	2237.6E6	1120.9E6	658.055	668.594
10) T	Pentachlo...	8.797	9.551	37024.8E6	26410.4E6	716.281	696.183
11) T	2,4,5-TP ...	9.378	9.931	13677.8E6	9797.4E6	683.657	682.524
12) T	2,4,5-T	9.671	10.357	11424.9E6	9399.0E6	687.087	681.655
13) T	2,4-DB	10.251	10.925	1676.4E6	798.8E6	678.397	673.208
14) T	DINOSEB	11.470	11.310	9565.7E6	7384.9E6	675.475	673.969
15) T	Picloram	11.279	12.419	11520.5E6	16837.8E6	690.007	702.281
16) T	DCPA	11.766	12.355	17672.3E6	14867.2E6	680.354	692.283

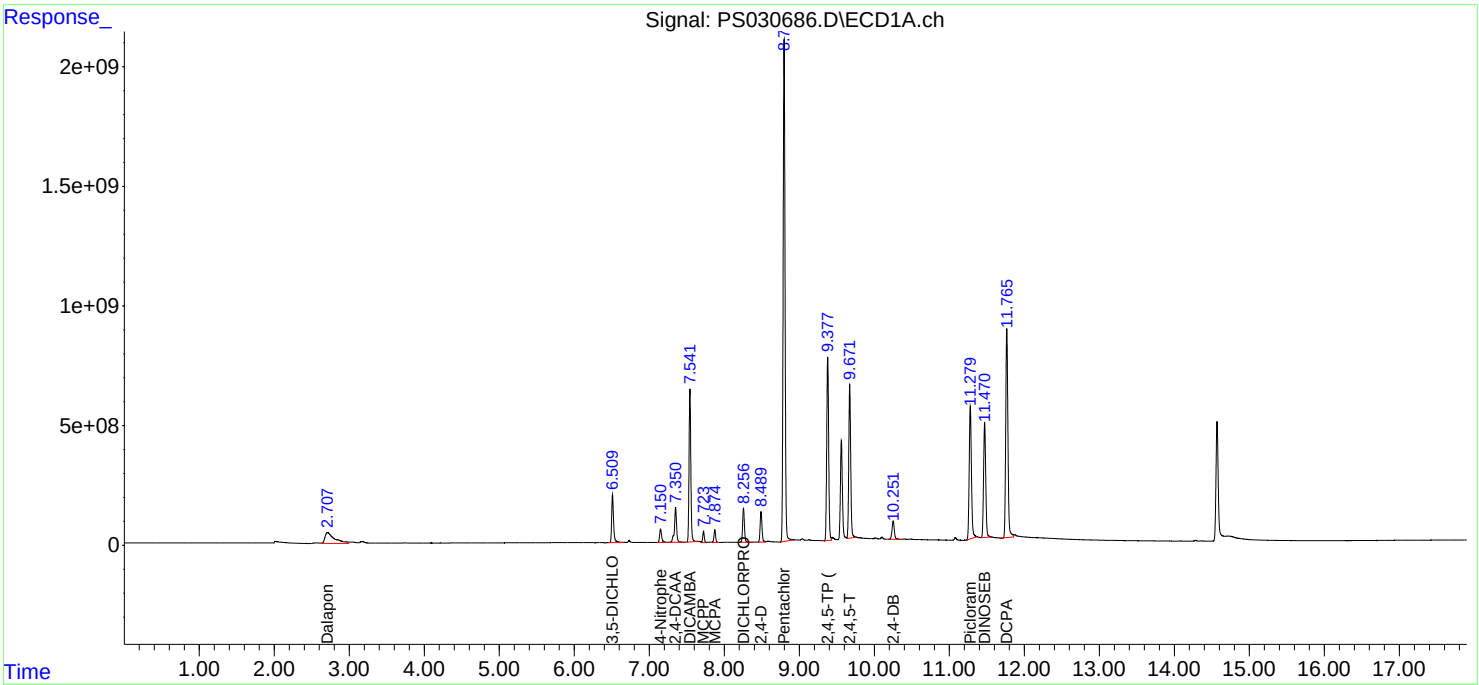
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

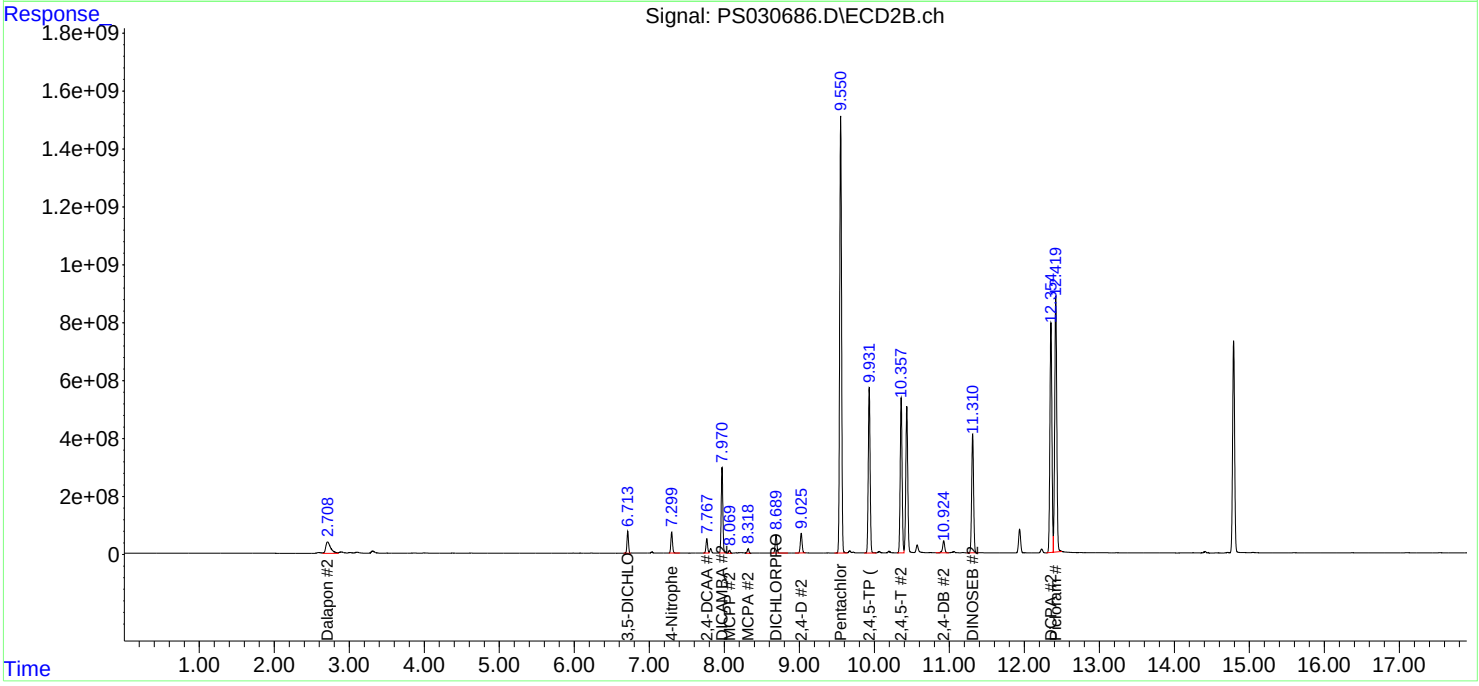
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 11:57
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

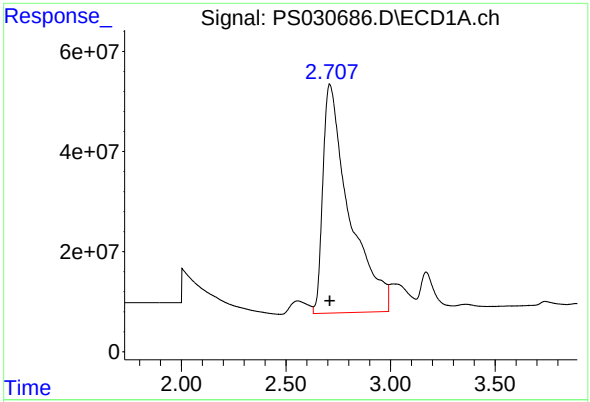
Instrument :
ECD_S
ClientSampleId :
ICVPS061625

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 12:24:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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 0.25µm



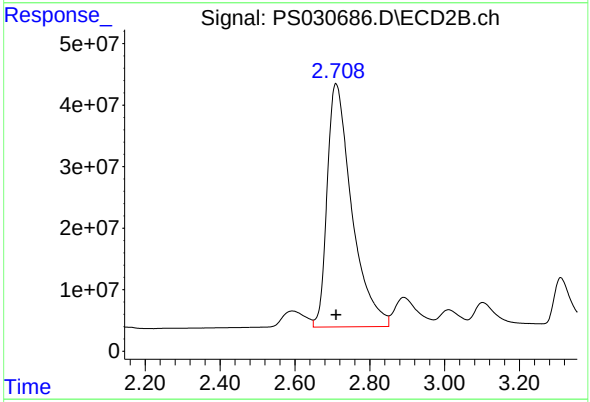




#1 Dalapon

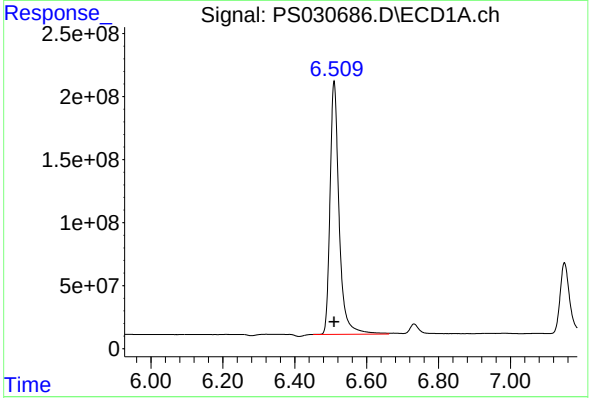
R.T.: 2.708 min
Delta R.T.: -0.001 min
Response: 4014373067
Conc: 641.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625



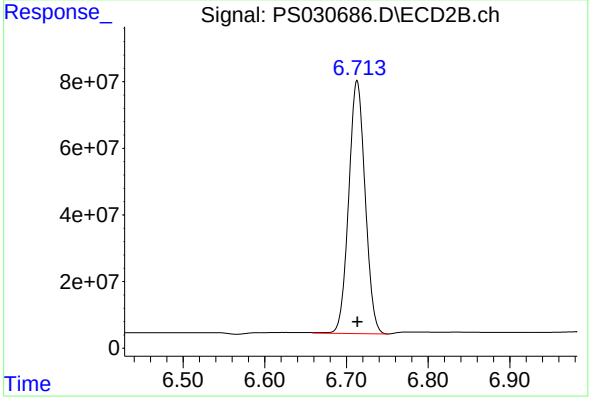
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 1804122117
Conc: 641.09 ng/ml



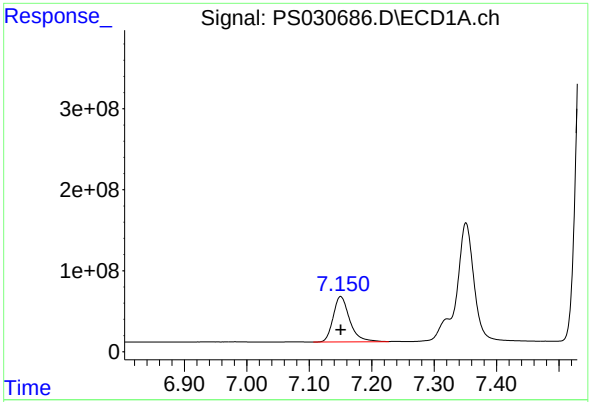
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 3528553570
Conc: 648.98 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

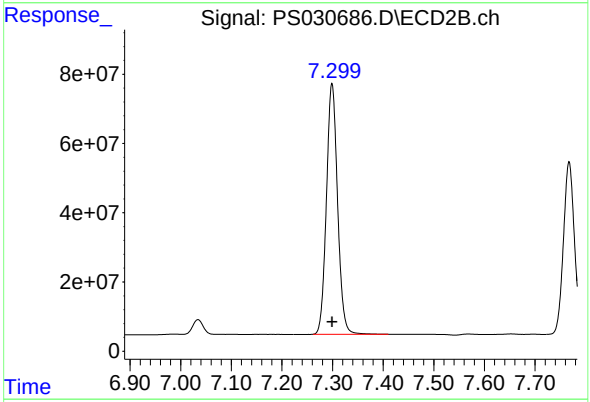
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1059670003
Conc: 655.05 ng/ml



#3 4-Nitrophenol

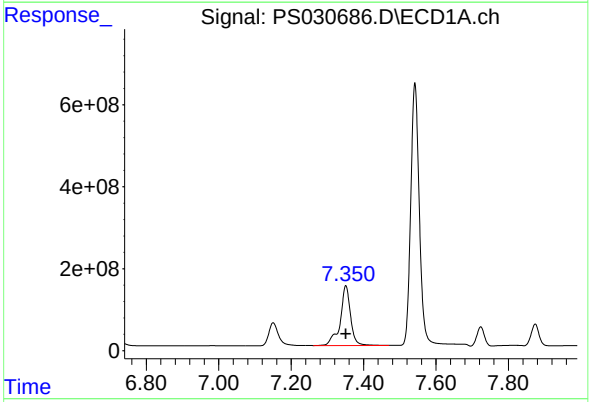
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 1033892424
Conc: 634.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625



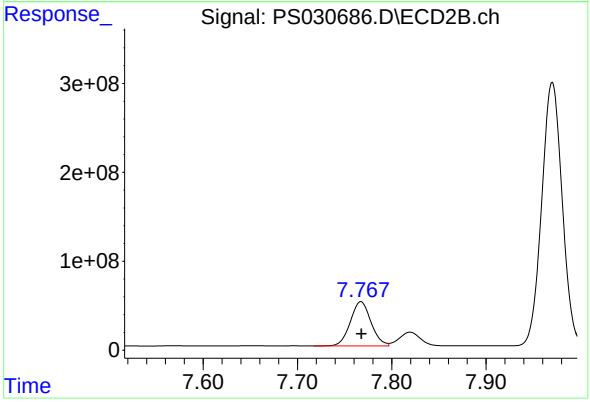
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1107140241
Conc: 649.41 ng/ml



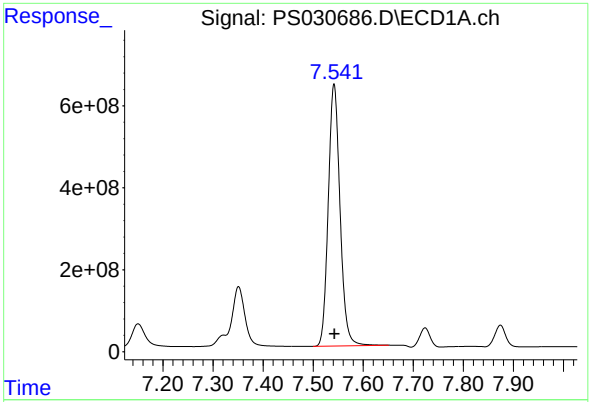
#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 2911006266
Conc: 774.04 ng/ml



#4 2,4-DCAA

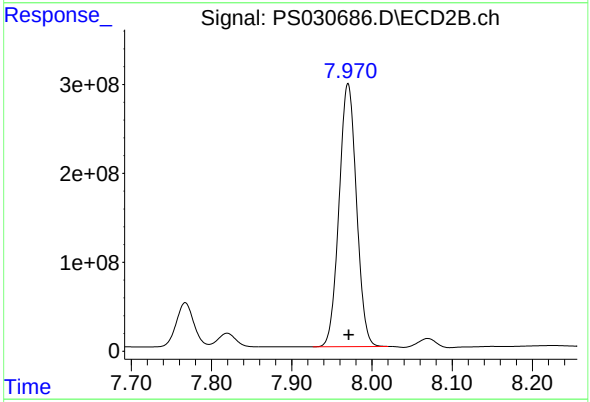
R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 759794245
Conc: 703.71 ng/ml



#5 DICAMBA

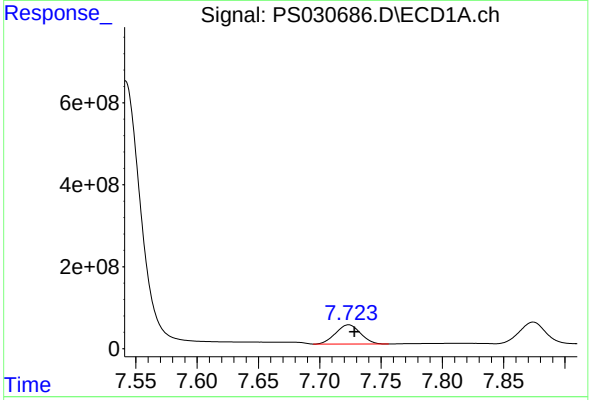
R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 10445354707
Conc: 667.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625



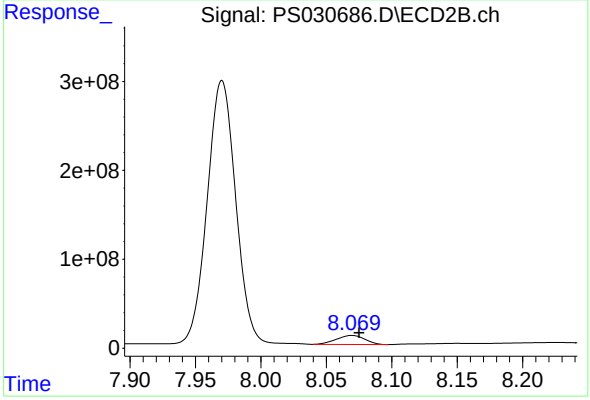
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 4464316388
Conc: 673.30 ng/ml



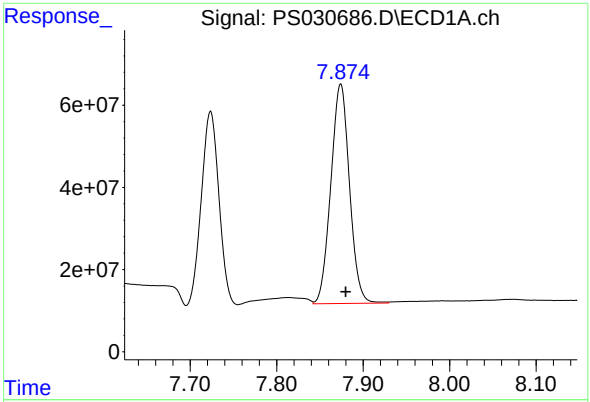
#6 MCPP

R.T.: 7.724 min
Delta R.T.: -0.005 min
Response: 663520914
Conc: 69.76 ug/ml



#6 MCPP

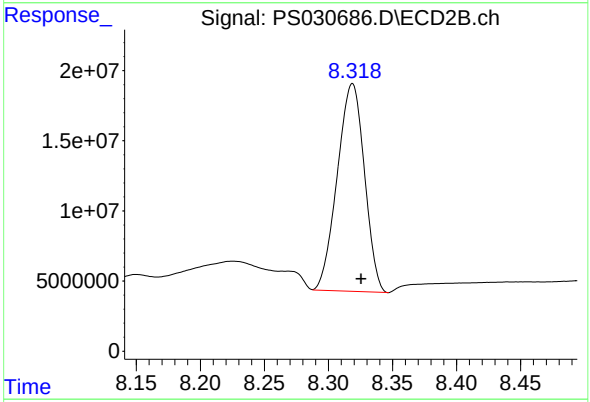
R.T.: 8.070 min
Delta R.T.: -0.006 min
Response: 154685983
Conc: 70.27 ug/ml



#7 MCPA

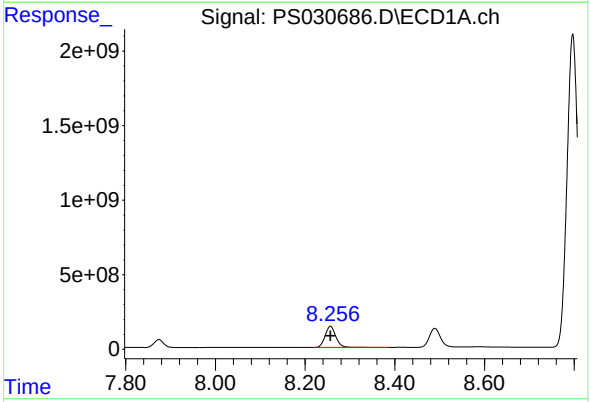
R.T.: 7.874 min
Delta R.T.: -0.006 min
Response: 800344670
Conc: 67.16 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625



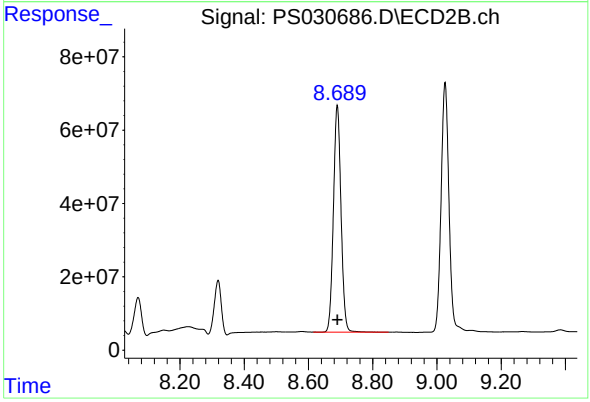
#7 MCPA

R.T.: 8.319 min
Delta R.T.: -0.007 min
Response: 218436670
Conc: 68.13 ug/ml



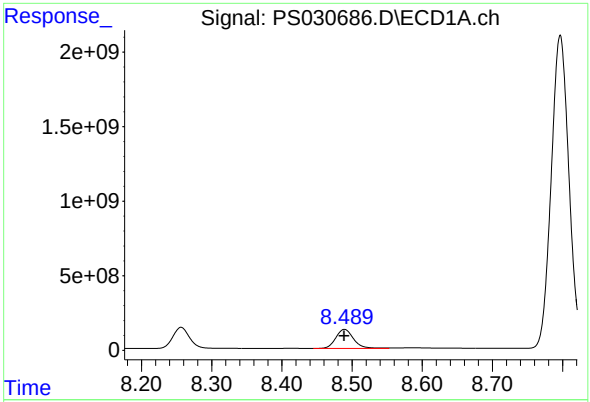
#8 DICHLORPROP

R.T.: 8.256 min
Delta R.T.: 0.000 min
Response: 2361747855
Conc: 642.60 ng/ml



#8 DICHLORPROP

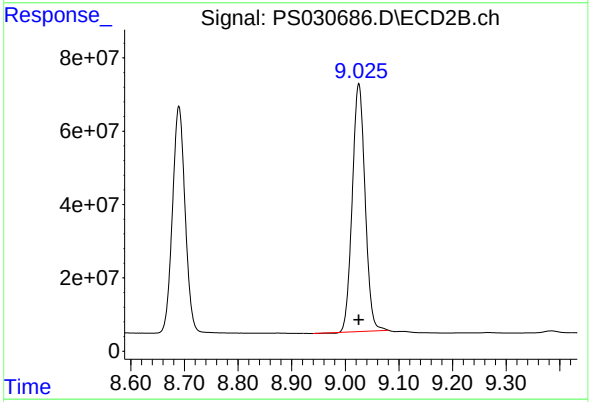
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 1016207142
Conc: 663.16 ng/ml



#9 2,4-D

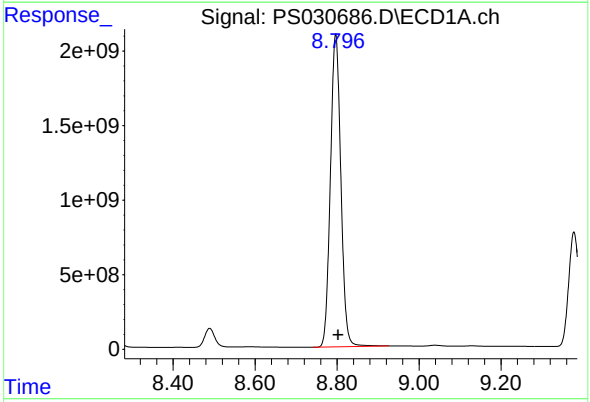
R.T.: 8.489 min
Delta R.T.: 0.000 min
Response: 2237626409
Conc: 658.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625



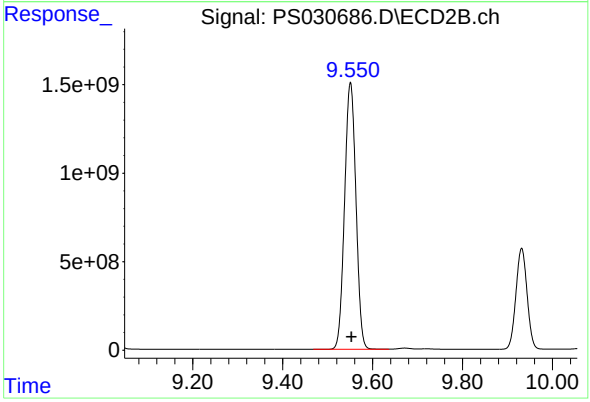
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 1120861687
Conc: 668.59 ng/ml



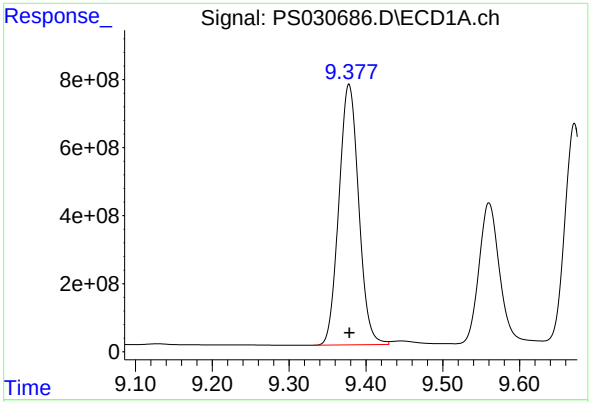
#10 Pentachlorophenol

R.T.: 8.797 min
Delta R.T.: -0.006 min
Response: 37024789777
Conc: 716.28 ng/ml



#10 Pentachlorophenol

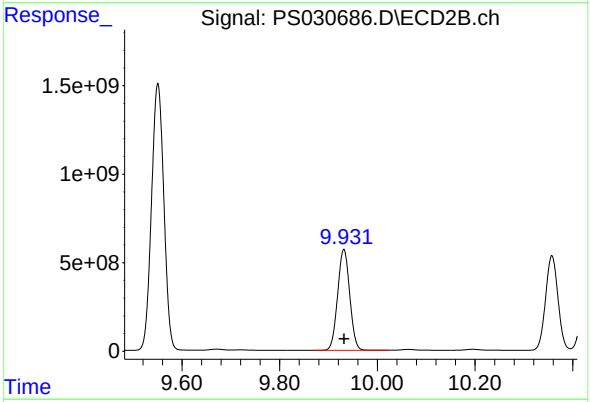
R.T.: 9.551 min
Delta R.T.: -0.002 min
Response: 26410384732
Conc: 696.18 ng/ml



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

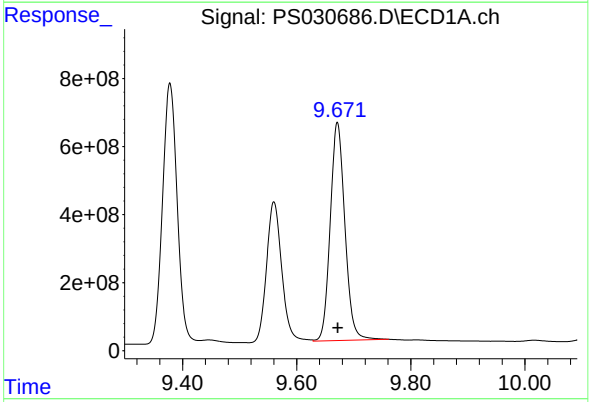
R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 13677807303
Conc: 683.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625



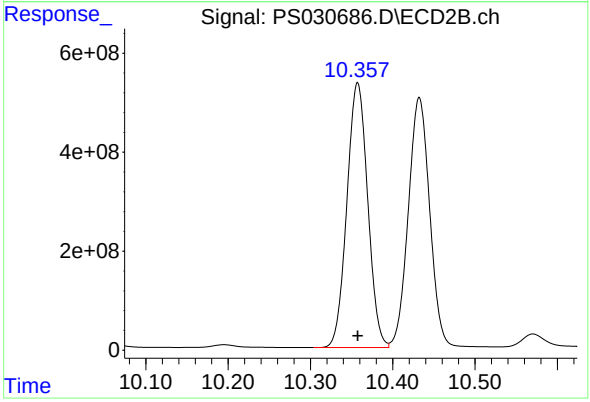
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 9797358838
Conc: 682.52 ng/ml



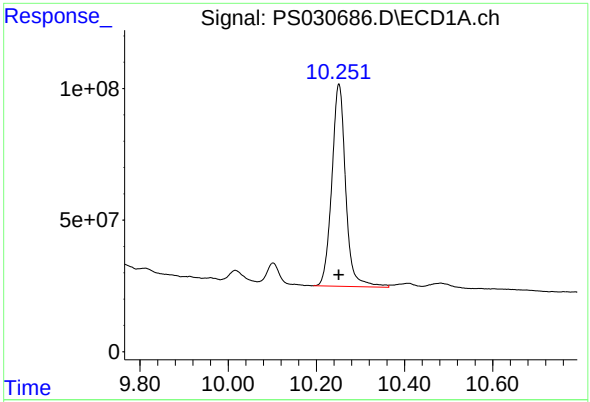
#12 2,4,5-T

R.T.: 9.671 min
Delta R.T.: 0.000 min
Response: 11424907921
Conc: 687.09 ng/ml



#12 2,4,5-T

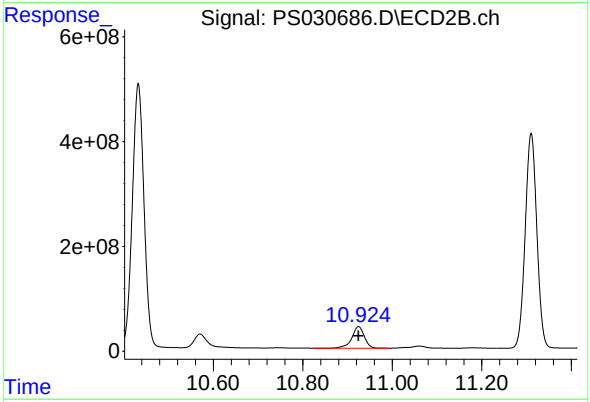
R.T.: 10.357 min
Delta R.T.: 0.000 min
Response: 9399022264
Conc: 681.65 ng/ml



#13 2,4-DB

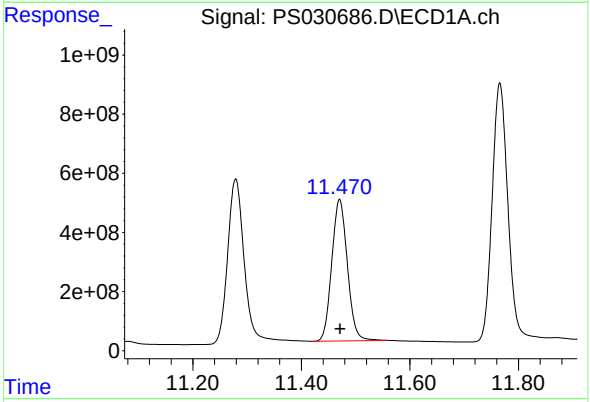
R.T.: 10.251 min
Delta R.T.: 0.000 min
Response: 1676424412
Conc: 678.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625



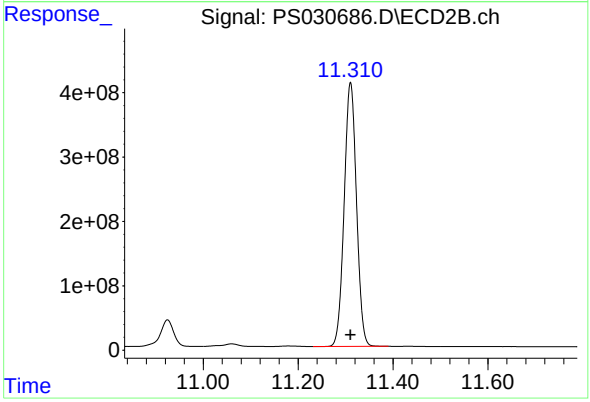
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 798798814
Conc: 673.21 ng/ml



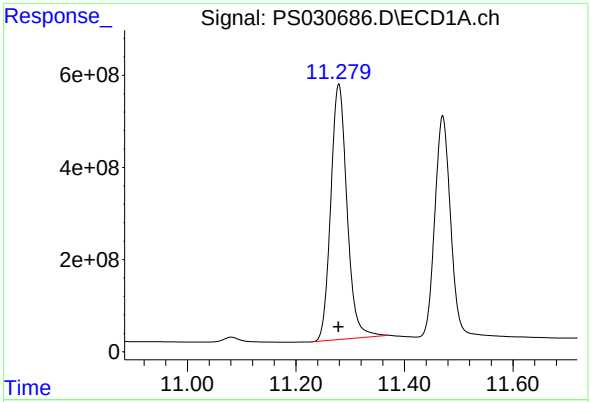
#14 DINOSEB

R.T.: 11.470 min
Delta R.T.: 0.000 min
Response: 9565654143
Conc: 675.48 ng/ml



#14 DINOSEB

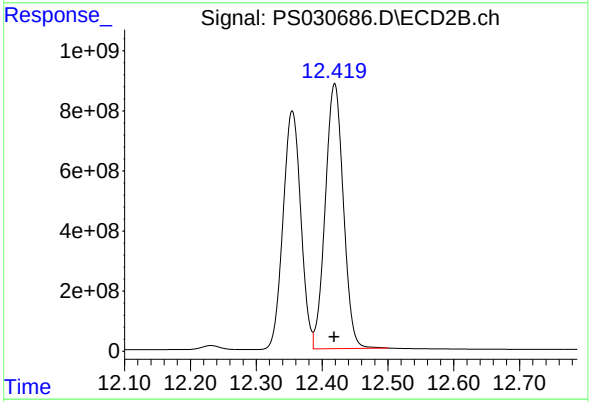
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 7384935790
Conc: 673.97 ng/ml



#15 Picloram

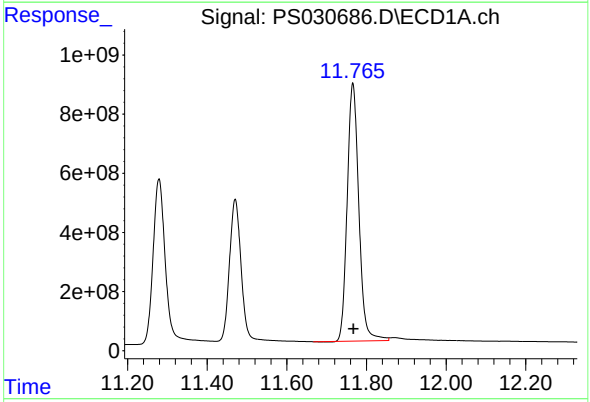
R.T.: 11.279 min
Delta R.T.: 0.000 min
Response: 11520494616
Conc: 690.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061625



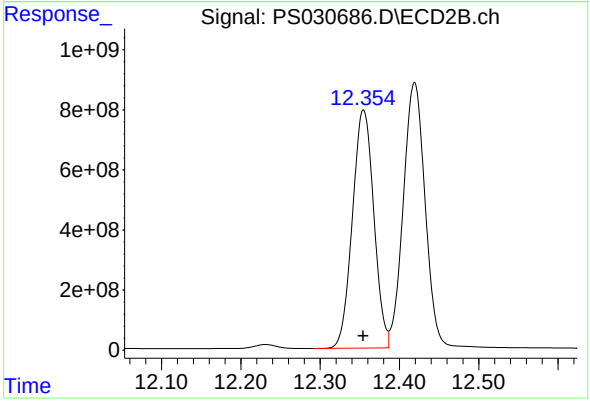
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 16837784413
Conc: 702.28 ng/ml



#16 DCPA

R.T.: 11.766 min
Delta R.T.: -0.001 min
Response: 17672301241
Conc: 680.35 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 14867179827
Conc: 692.28 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 13:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 14:07:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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	7.351	7.768	2926.7E6	755.5E6	778.216	699.781
	Target Compounds						
1) T	Dalapon	2.708	2.709	4030.5E6	1806.4E6	644.388	641.887
2) T	3,5-DICHL...	6.509	6.714	3554.1E6	1054.4E6	653.682	651.790
3) T	4-Nitroph...	7.150	7.299	1054.1E6	1103.7E6	646.559	647.396
5) T	DICAMBA	7.541	7.971	10489.8E6	4452.2E6	670.465	671.474
6) T	MCPP	7.723	8.070	669.5E6	153.6E6	70.391	69.774
7) T	MCPA	7.874	8.319	813.6E6	216.7E6	68.268	67.592
8) T	DICHLORPROP	8.256	8.689	2383.5E6	1017.6E6	648.525	664.043
9) T	2,4-D	8.488	9.025	2257.1E6	1108.9E6	663.777	661.468
10) T	Pentachlo...	8.797	9.551	37147.6E6	26373.4E6	718.656	695.208
11) T	2,4,5-TP ...	9.378	9.932	13731.6E6	9778.0E6	686.348	681.174
12) T	2,4,5-T	9.672	10.358	11486.1E6	9368.8E6	690.769	679.466
13) T	2,4-DB	10.251	10.925	1700.5E6	790.8E6	688.139	666.496
14) T	DINOSEB	11.471	11.310	9593.7E6	7366.1E6	677.452	672.251
15) T	Picloram	11.280	12.419	11471.7E6	16510.7E6	687.085	688.641
16) T	DCPA	11.765	12.355	18042.6E6	14314.6E6	694.609	666.555

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

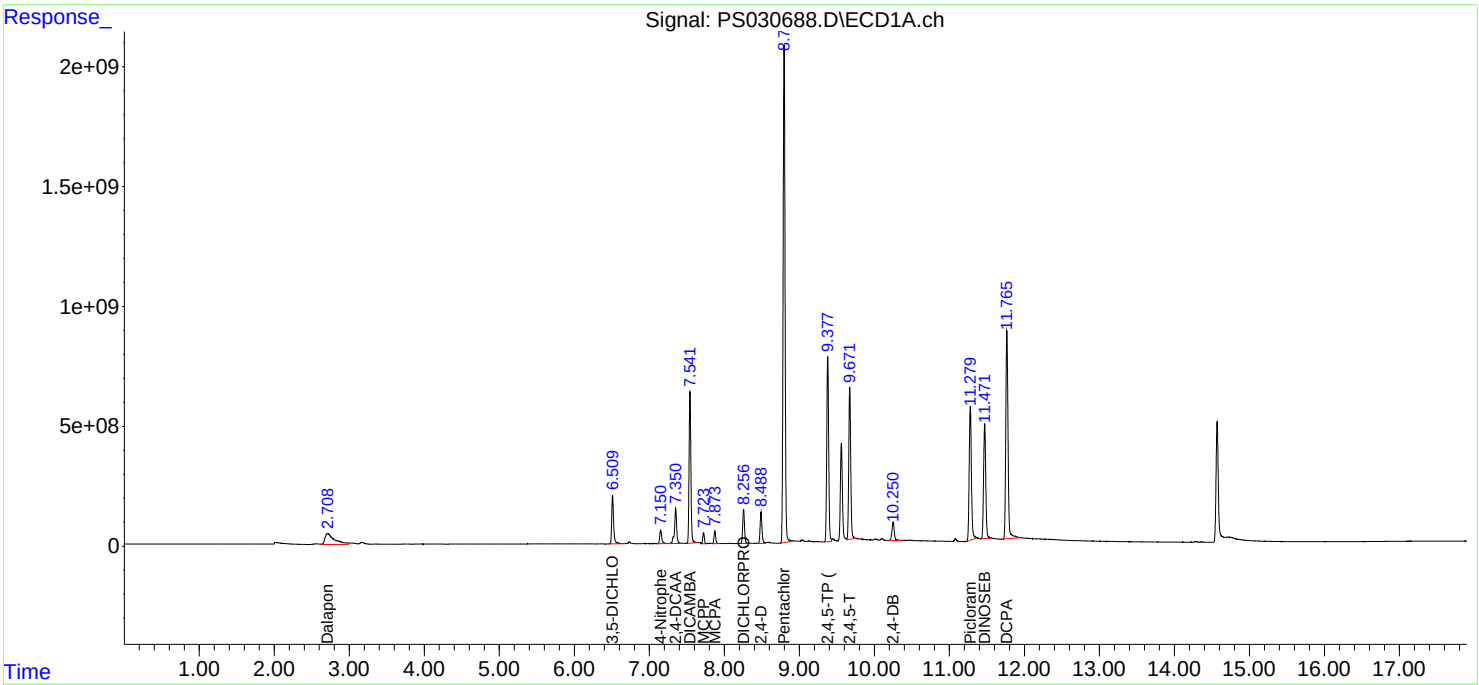
Quantitation Report (Not Reviewed)

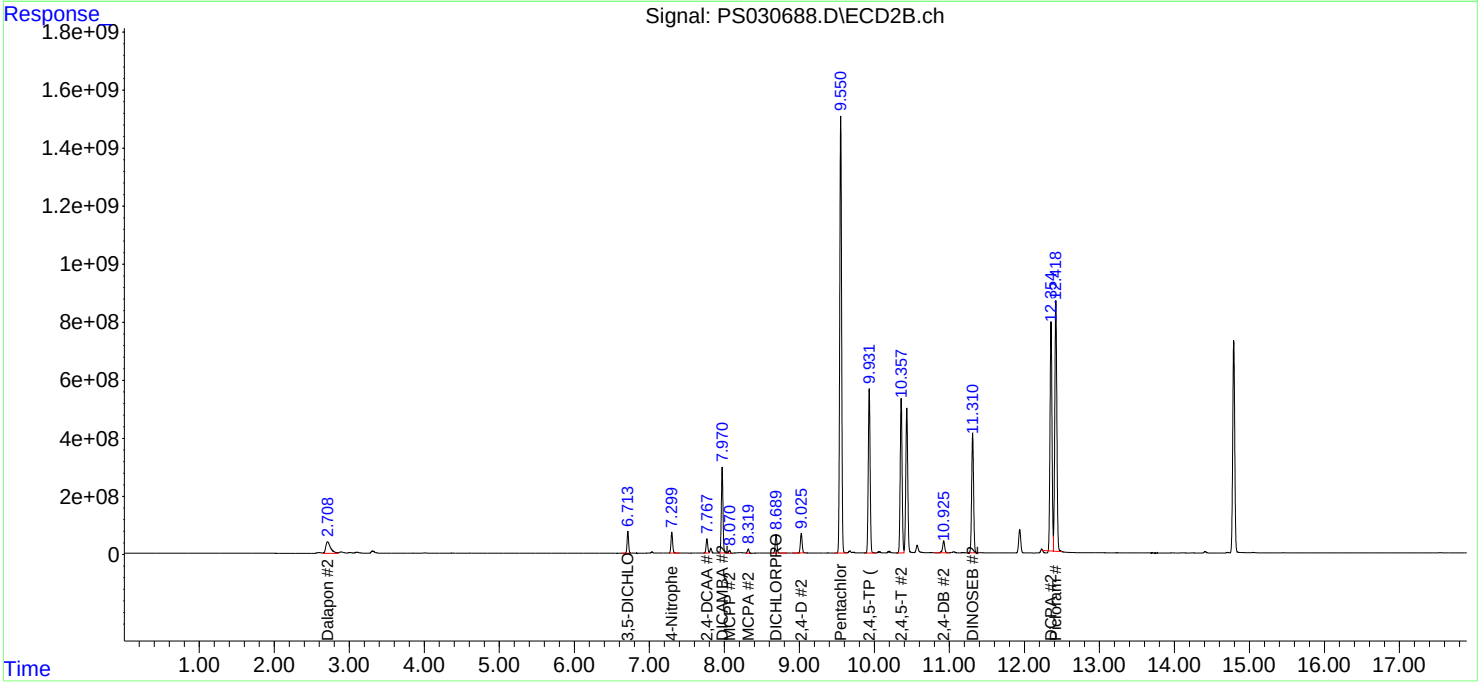
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 13:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

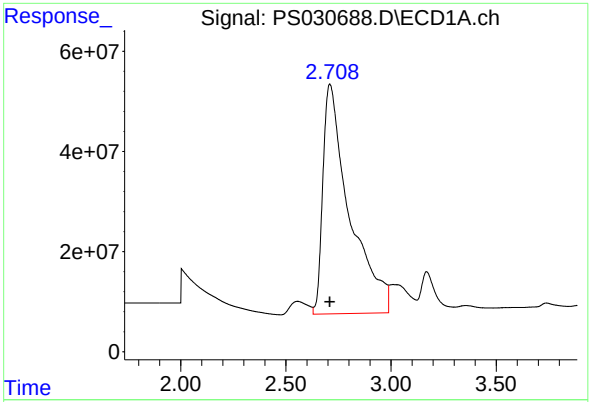
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 16 14:07:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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



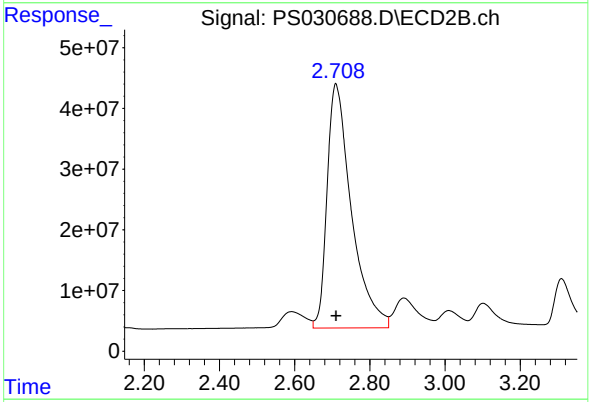




#1 Dalapon

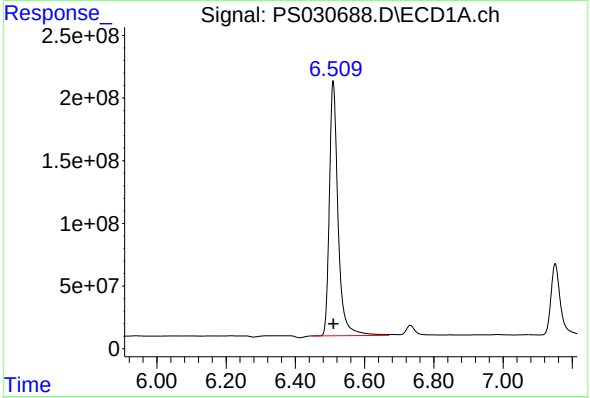
R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 4030486167
Conc: 644.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



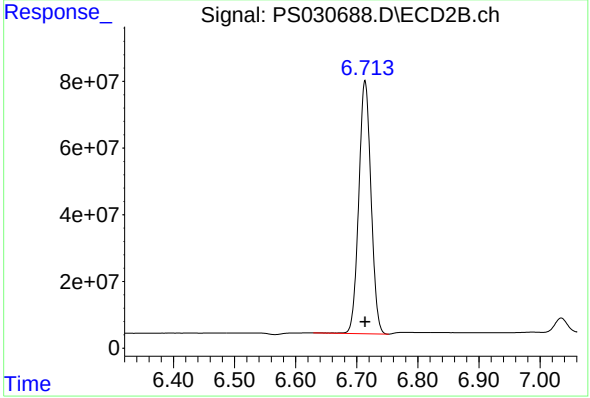
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 1806372651
Conc: 641.89 ng/ml



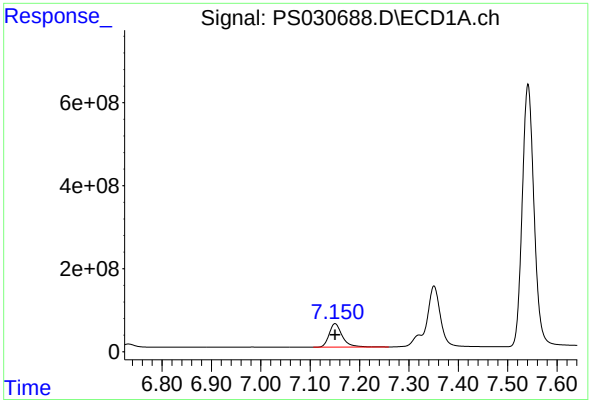
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.509 min
Delta R.T.: 0.000 min
Response: 3554105341
Conc: 653.68 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

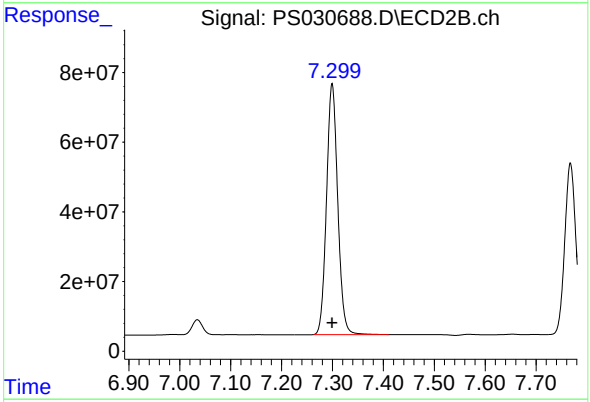
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 1054387495
Conc: 651.79 ng/ml



#3 4-Nitrophenol

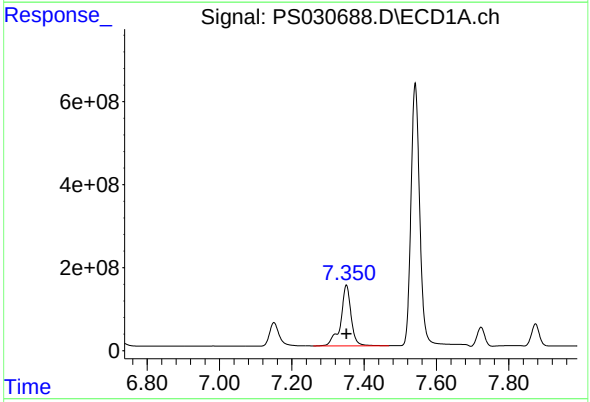
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 1054051659
Conc: 646.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



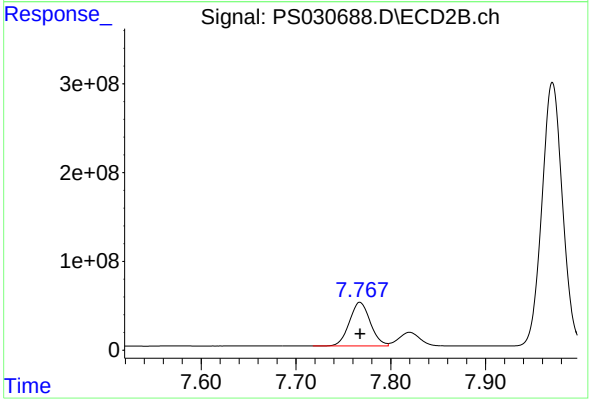
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1103710831
Conc: 647.40 ng/ml



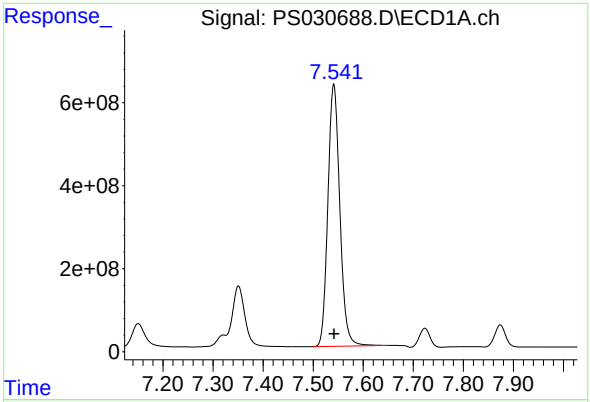
#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 2926725146
Conc: 778.22 ng/ml



#4 2,4-DCAA

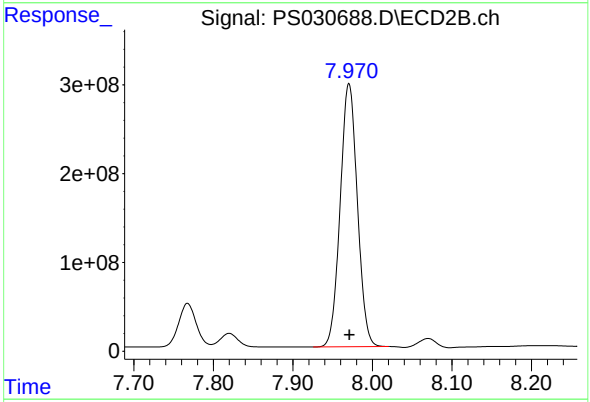
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 755547098
Conc: 699.78 ng/ml



#5 DICAMBA

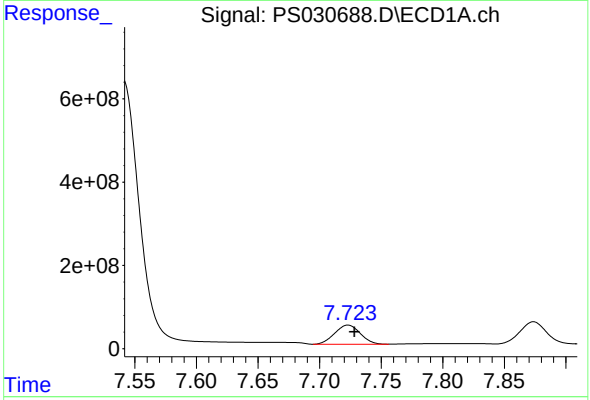
R.T.: 7.541 min
Delta R.T.: -0.001 min
Response: 10489805741
Conc: 670.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



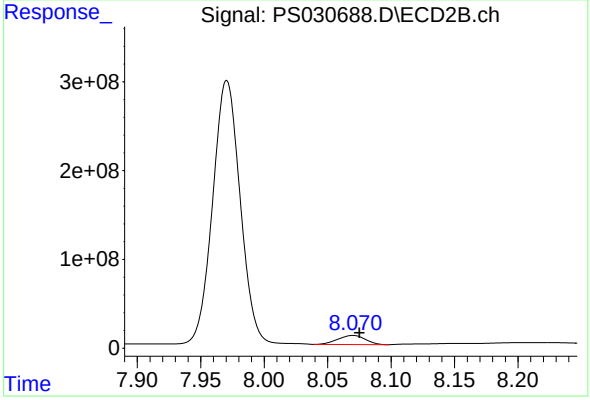
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 4452212777
Conc: 671.47 ng/ml



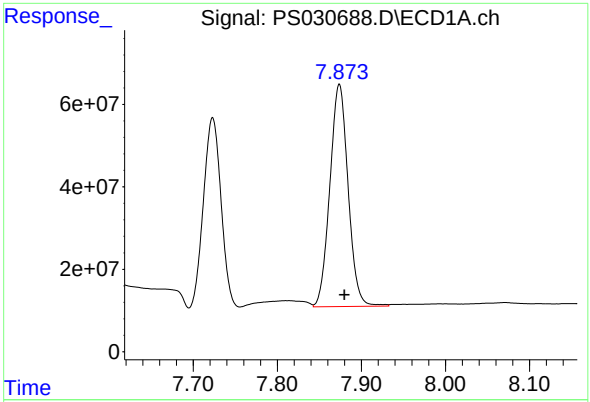
#6 MCPP

R.T.: 7.723 min
Delta R.T.: -0.005 min
Response: 669481249
Conc: 70.39 ug/ml



#6 MCPP

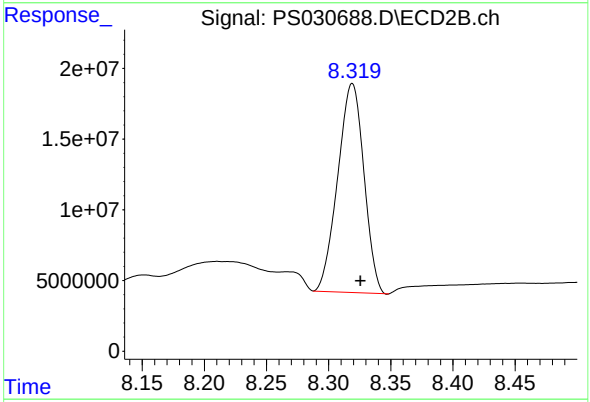
R.T.: 8.070 min
Delta R.T.: -0.005 min
Response: 153599136
Conc: 69.77 ug/ml



#7 MCPA

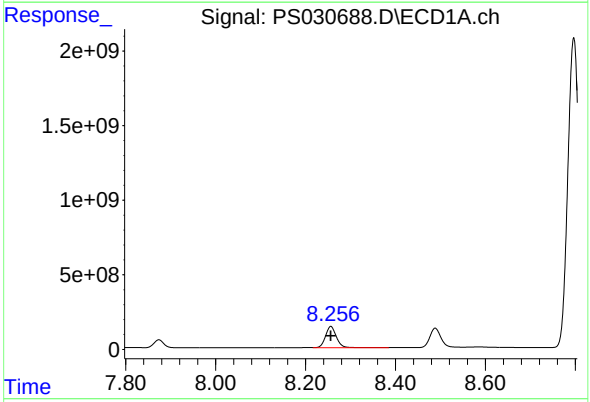
R.T.: 7.874 min
Delta R.T.: -0.006 min
Response: 813567810
Conc: 68.27 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



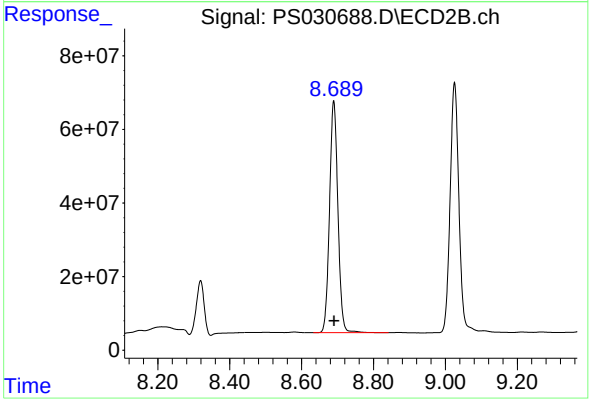
#7 MCPA

R.T.: 8.319 min
Delta R.T.: -0.007 min
Response: 216705404
Conc: 67.59 ug/ml



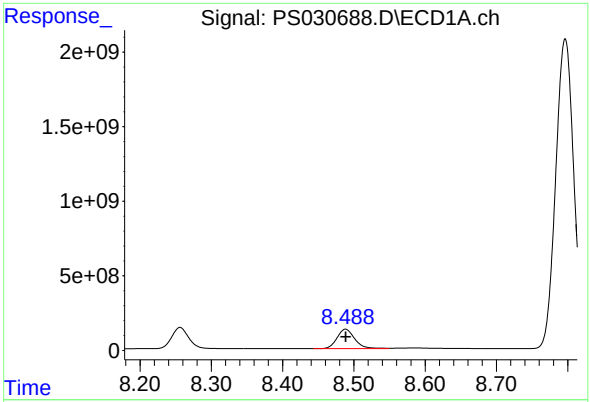
#8 DICHLORPROP

R.T.: 8.256 min
Delta R.T.: 0.000 min
Response: 2383505769
Conc: 648.52 ng/ml



#8 DICHLORPROP

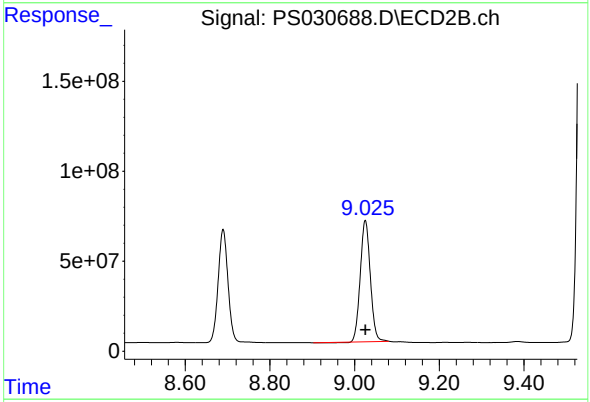
R.T.: 8.689 min
Delta R.T.: 0.000 min
Response: 1017557348
Conc: 664.04 ng/ml



#9 2,4-D

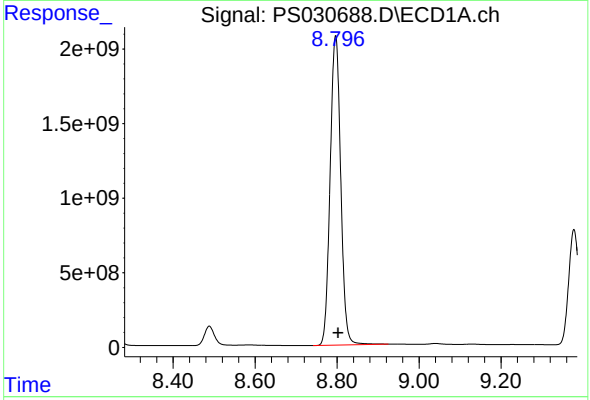
R.T.: 8.488 min
Delta R.T.: 0.000 min
Response: 2257081873
Conc: 663.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



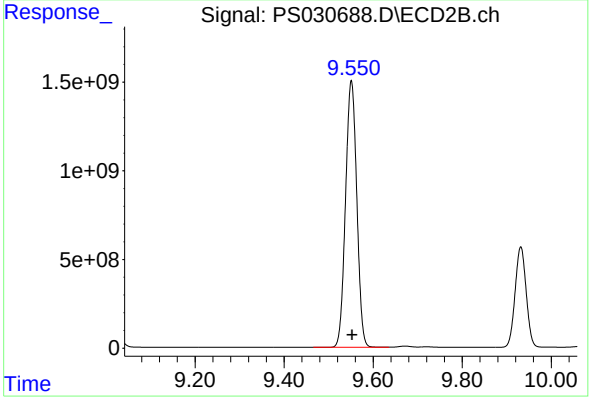
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 1108914376
Conc: 661.47 ng/ml



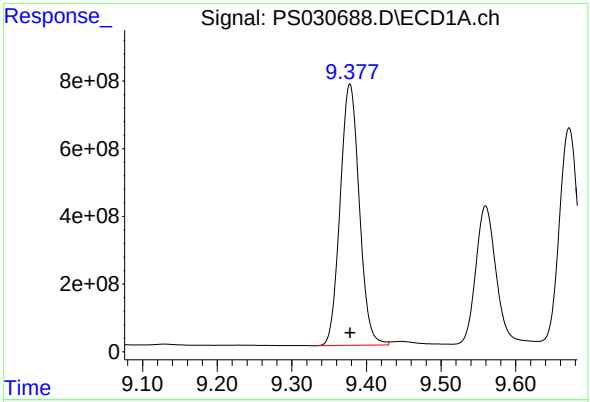
#10 Pentachlorophenol

R.T.: 8.797 min
Delta R.T.: -0.006 min
Response: 37147588175
Conc: 718.66 ng/ml



#10 Pentachlorophenol

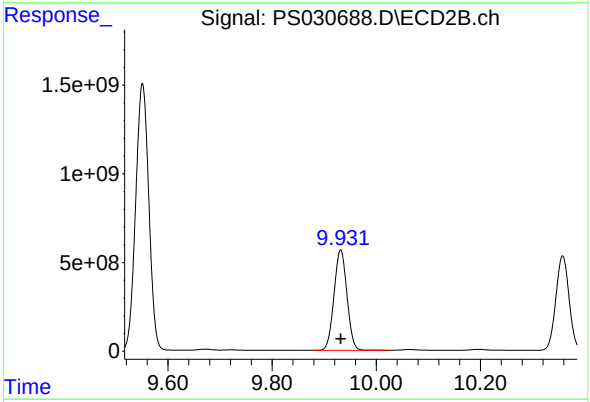
R.T.: 9.551 min
Delta R.T.: -0.002 min
Response: 26373379871
Conc: 695.21 ng/ml



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

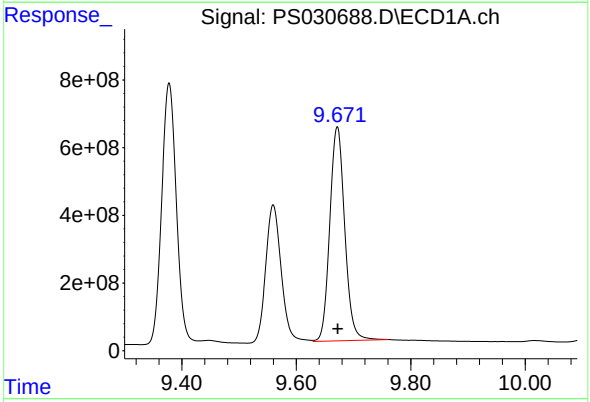
R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 13731640199
Conc: 686.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



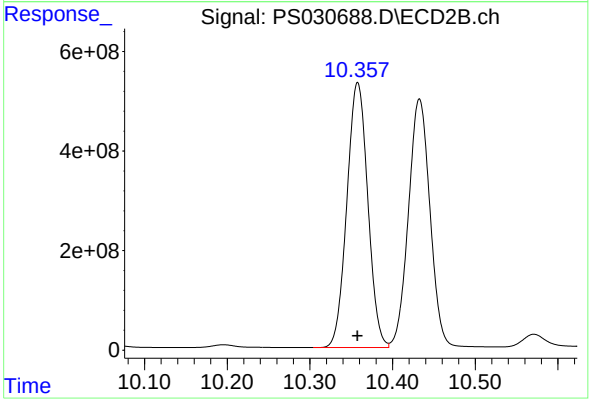
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 9777977645
Conc: 681.17 ng/ml



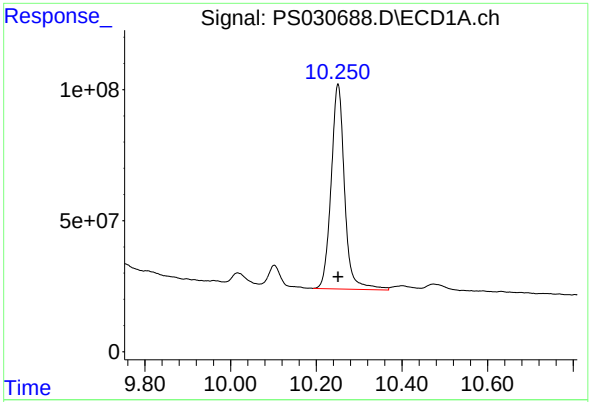
#12 2,4,5-T

R.T.: 9.672 min
Delta R.T.: 0.000 min
Response: 11486140157
Conc: 690.77 ng/ml



#12 2,4,5-T

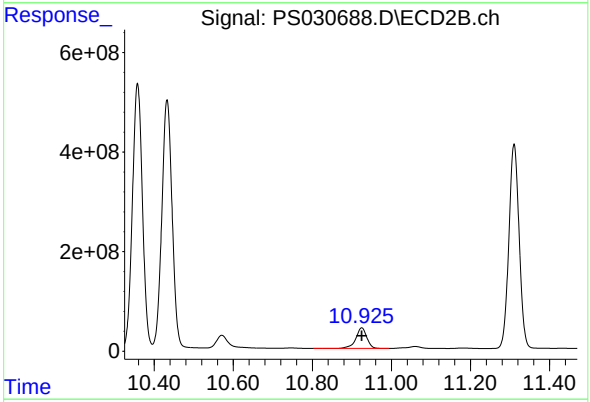
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 9368846498
Conc: 679.47 ng/ml



#13 2,4-DB

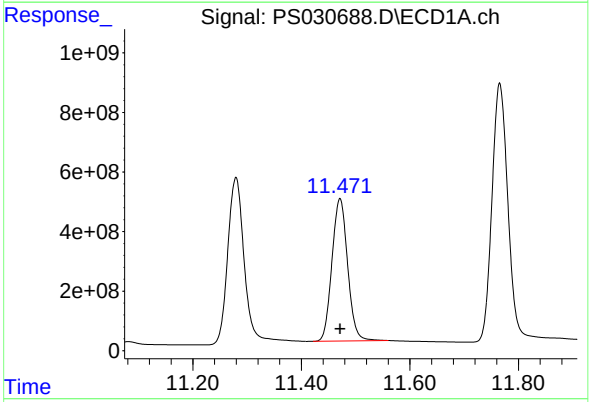
R.T.: 10.251 min
Delta R.T.: 0.000 min
Response: 1700499655
Conc: 688.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



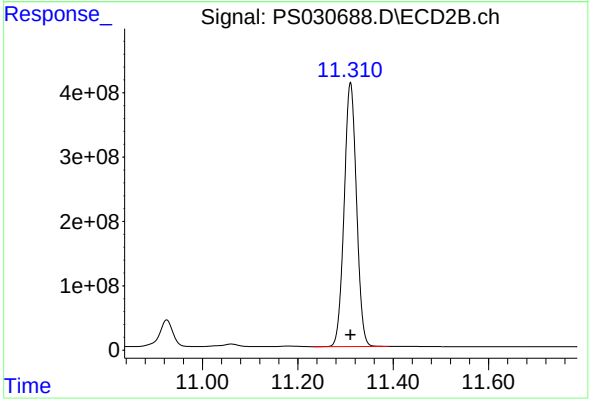
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 790834847
Conc: 666.50 ng/ml



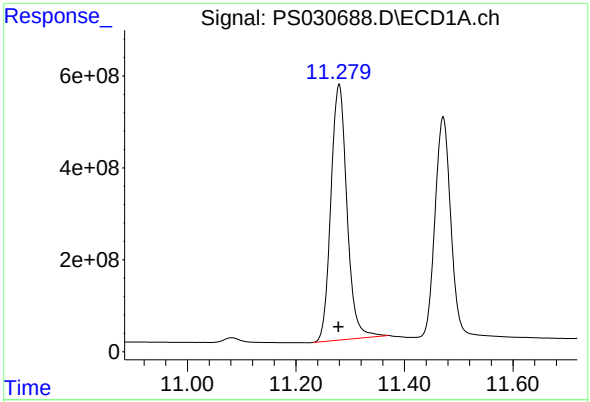
#14 DINOSEB

R.T.: 11.471 min
Delta R.T.: 0.000 min
Response: 9593656300
Conc: 677.45 ng/ml



#14 DINOSEB

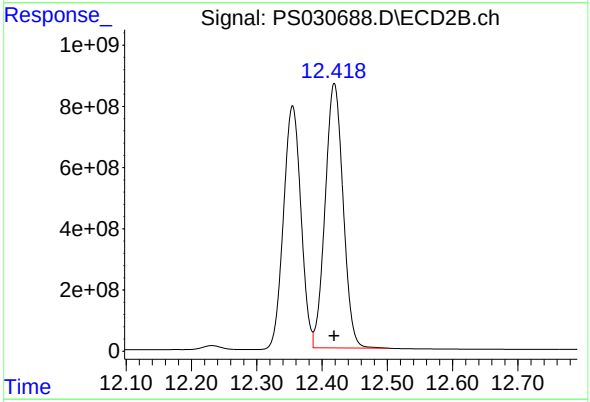
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 7366118483
Conc: 672.25 ng/ml



#15 Picloram

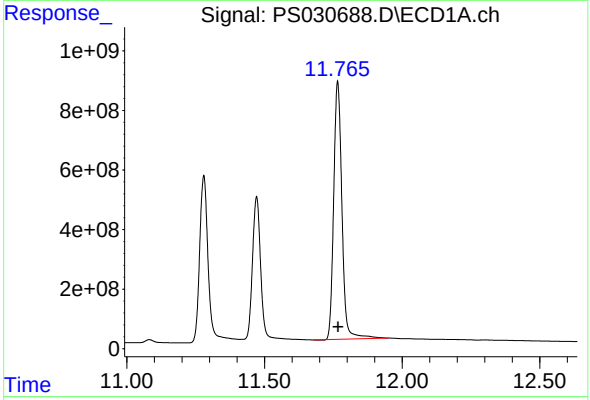
R.T.: 11.280 min
Delta R.T.: 0.001 min
Response: 11471707523
Conc: 687.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



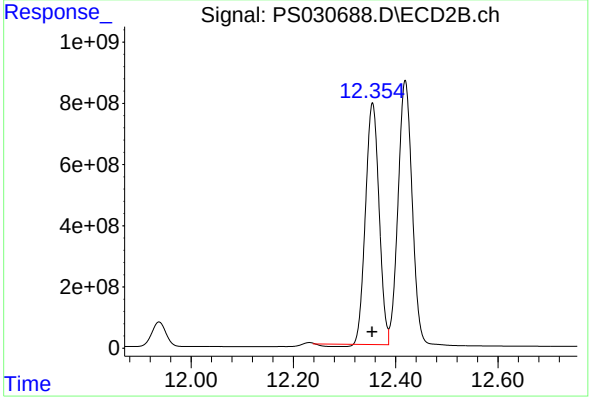
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 16510748540
Conc: 688.64 ng/ml



#16 DCPA

R.T.: 11.765 min
Delta R.T.: -0.002 min
Response: 18042574220
Conc: 694.61 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 14314648395
Conc: 666.56 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030698.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 17:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 04:14:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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	7.351	7.768	3005.9E6	763.1E6	799.268	706.812
	Target Compounds						
1) T	Dalapon	2.708	2.710	4088.7E6	1818.7E6	653.695	646.283
2) T	3,5-DICHL...	6.509	6.714	3379.1E6	975.5E6	621.500	603.029
3) T	4-Nitroph...	7.150	7.299	1164.3E6	1113.0E6	714.182	652.853
5) T	DICAMBA	7.541	7.971	10726.4E6	4477.3E6	685.586	675.258
6) T	MCPP	7.723	8.070	683.3E6	150.4E6	71.846	68.307
7) T	MCPA	7.874	8.320	914.8E6	212.3E6	76.765	66.214
8) T	DICHLORPROP	8.256	8.690	2513.2E6	1008.0E6	683.809	657.775
9) T	2,4-D	8.488	9.025	2477.4E6	1119.4E6	728.584	667.719
10) T	Pentachlo...	8.797	9.551	38187.9E6	26588.8E6	738.783	700.887
11) T	2,4,5-TP ...	9.378	9.931	14496.6E6	9595.8E6	724.583	668.481
12) T	2,4,5-T	9.672	10.357	13011.8E6	9496.0E6	782.519	688.685
13) T	2,4-DB	10.251	10.925	2063.4E6	791.1E6	835.006	666.725
14) T	DINOSEB	11.470	11.310	10290.4E6	7382.6E6	726.649	673.755
15) T	Picloram	11.278	12.419	13609.1E6	16630.2E6	815.104	693.625
16) T	DCPA	11.765	12.355	19064.1E6	14729.8E6	733.934	685.885

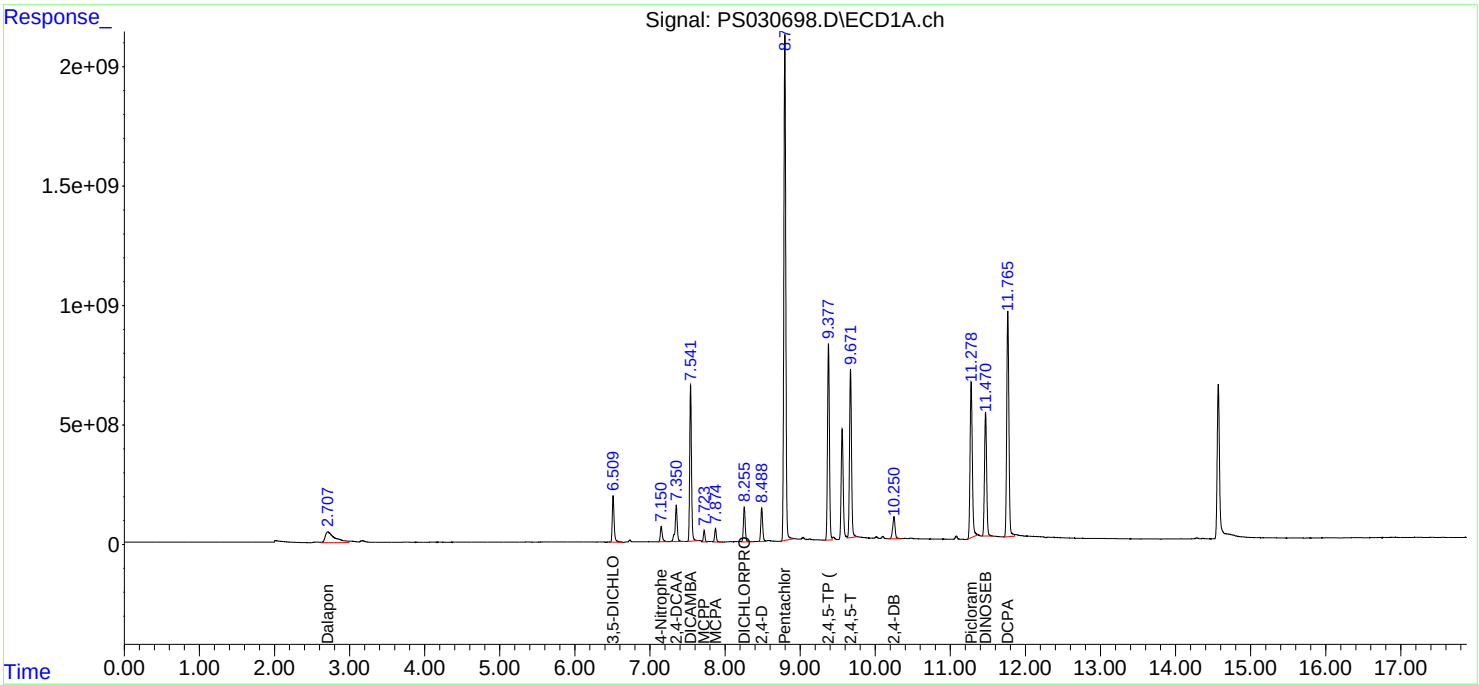
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

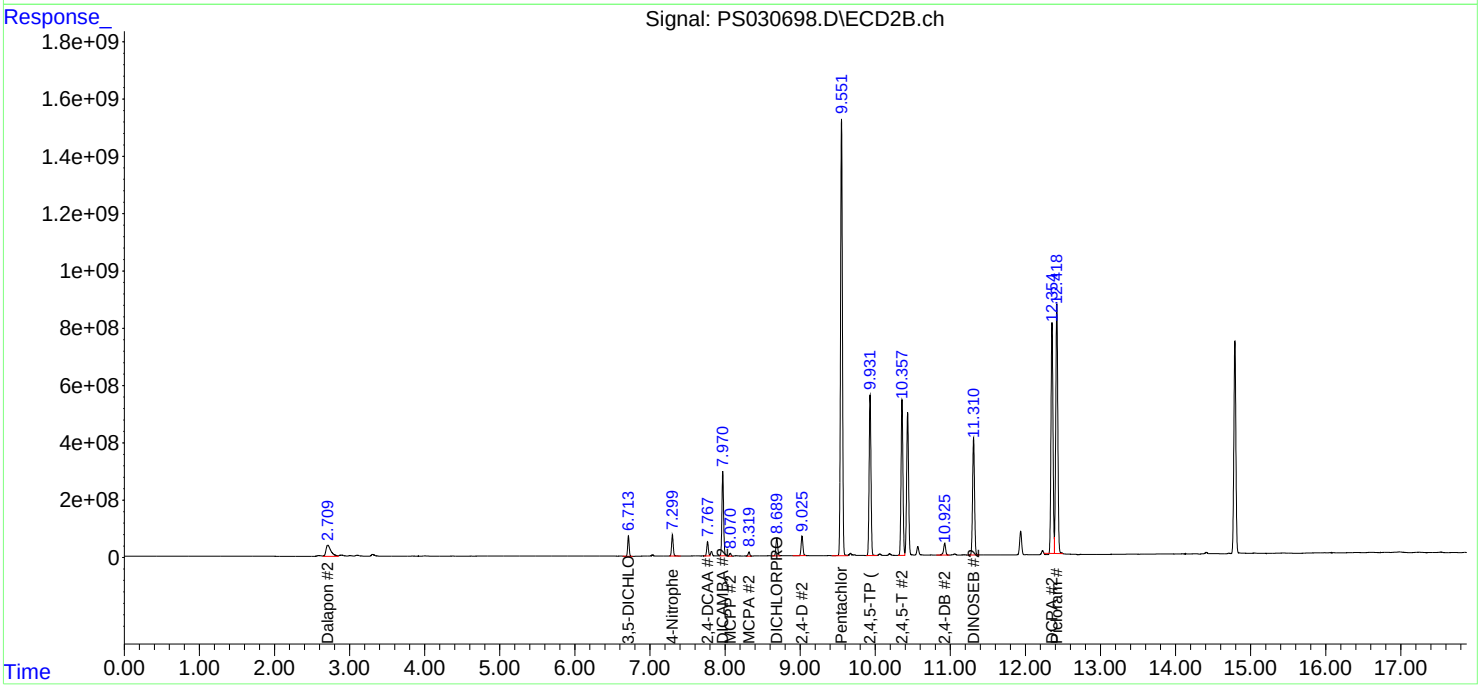
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061625\
Data File : PS030698.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jun 2025 17:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

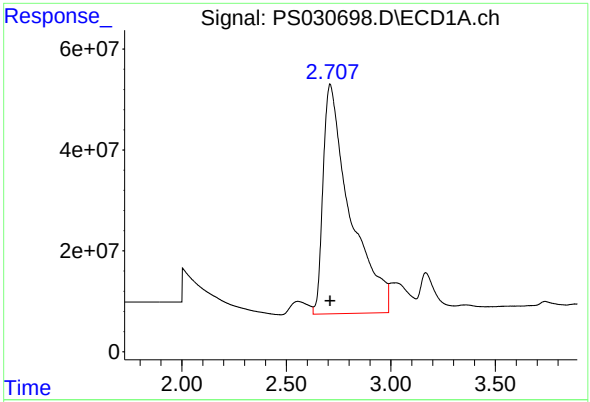
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 17 04:14:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061625.M
Quant Title : 8080.M
QLast Update : Mon Jun 16 11:52:28 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 0.25µm



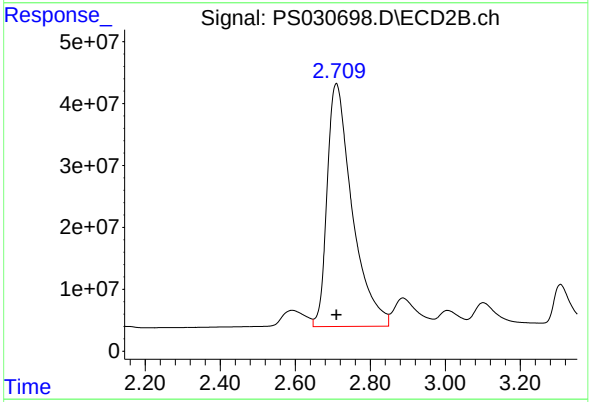




#1 Dalapon

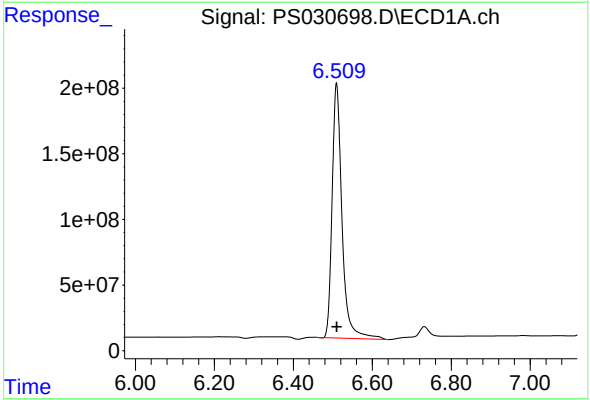
R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 4088702195
Conc: 653.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



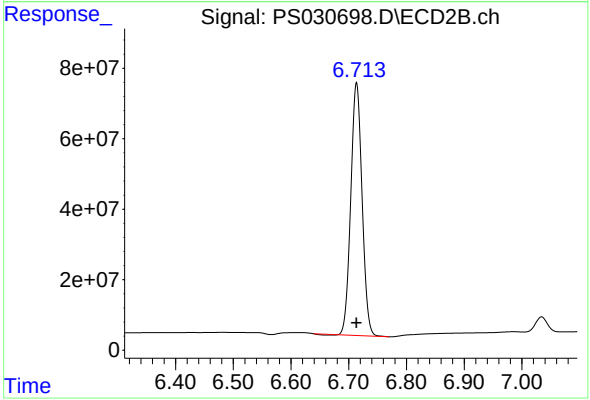
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 1818744397
Conc: 646.28 ng/ml



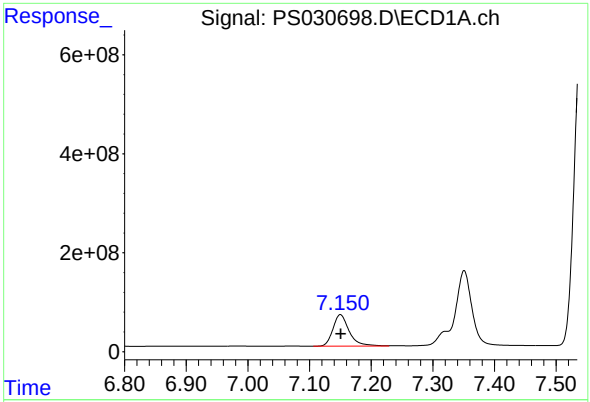
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.509 min
Delta R.T.: 0.000 min
Response: 3379128488
Conc: 621.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

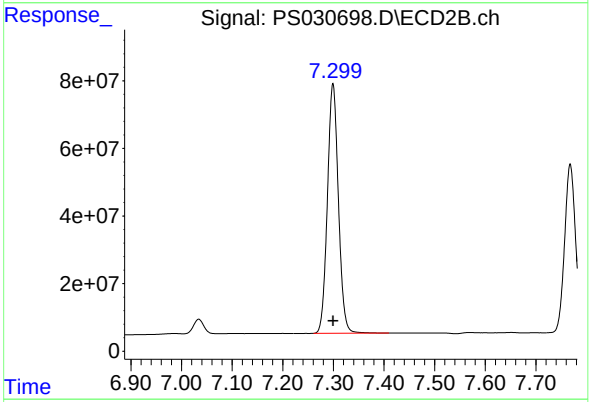
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 975508380
Conc: 603.03 ng/ml



#3 4-Nitrophenol

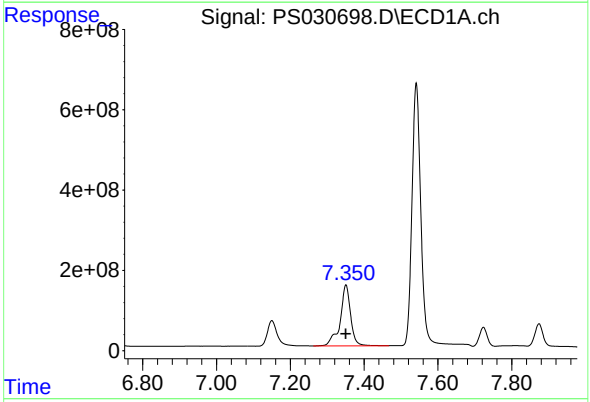
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 1164293935
Conc: 714.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



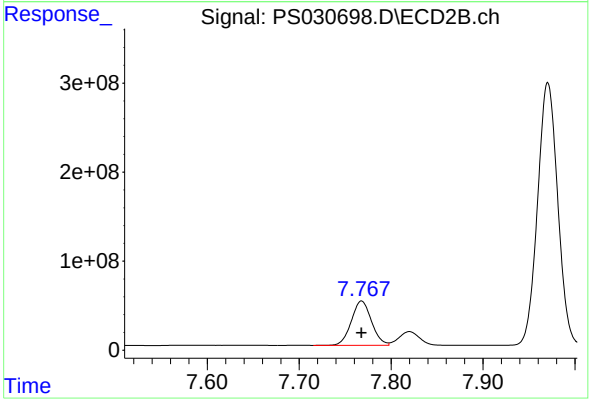
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1113014124
Conc: 652.85 ng/ml



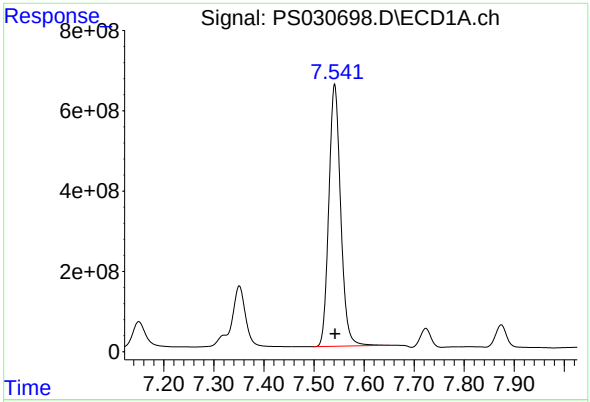
#4 2,4-DCAA

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 3005899402
Conc: 799.27 ng/ml



#4 2,4-DCAA

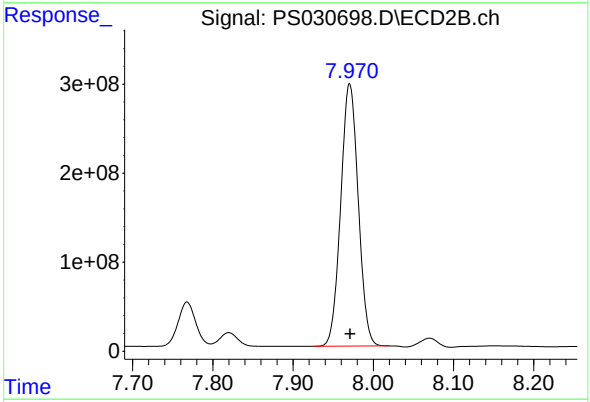
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 763138339
Conc: 706.81 ng/ml



#5 DICAMBA

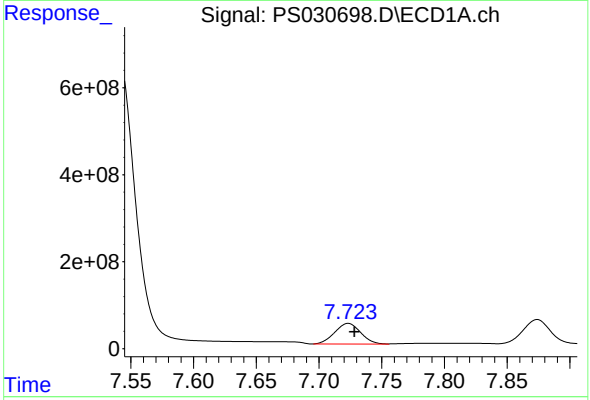
R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 10726380682
Conc: 685.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



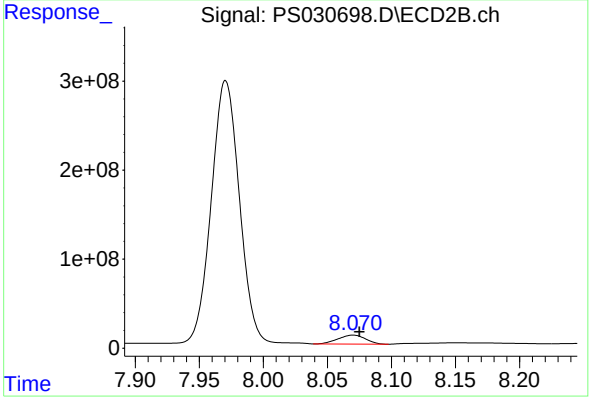
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 4477304660
Conc: 675.26 ng/ml



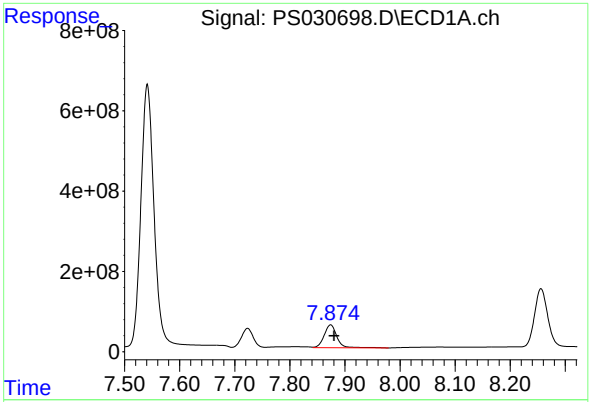
#6 MCPP

R.T.: 7.723 min
Delta R.T.: -0.005 min
Response: 683316298
Conc: 71.85 ug/ml



#6 MCPP

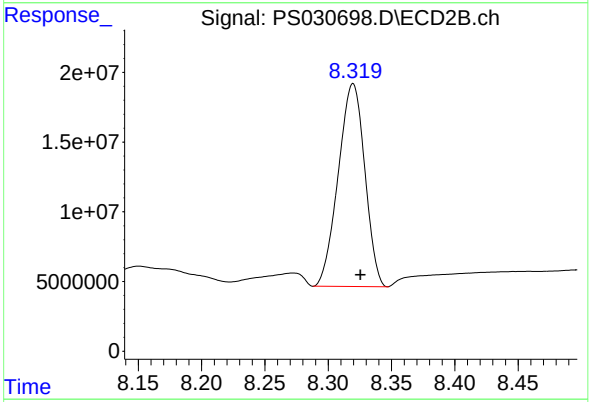
R.T.: 8.070 min
Delta R.T.: -0.005 min
Response: 150369537
Conc: 68.31 ug/ml



#7 MCPA

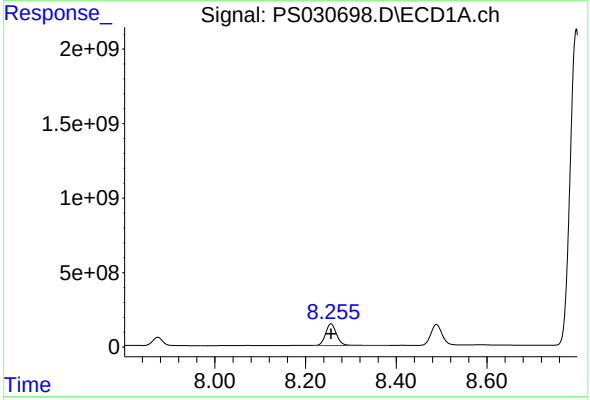
R.T.: 7.874 min
Delta R.T.: -0.006 min
Response: 914823523
Conc: 76.77 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



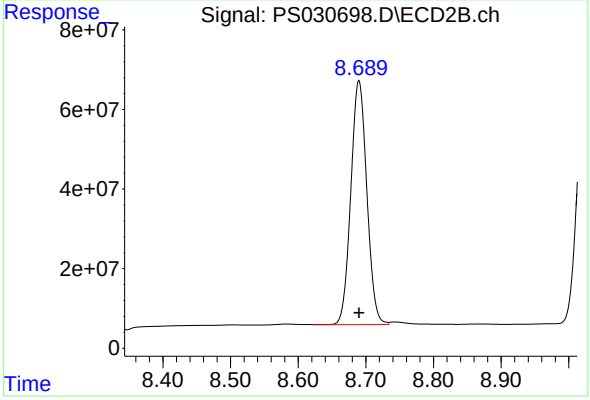
#7 MCPA

R.T.: 8.320 min
Delta R.T.: -0.006 min
Response: 212286489
Conc: 66.21 ug/ml



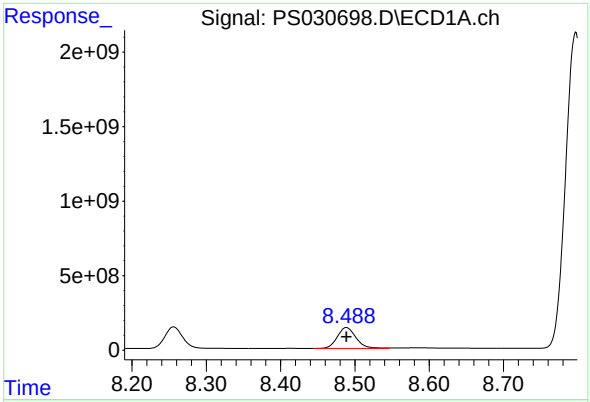
#8 DICHLORPROP

R.T.: 8.256 min
Delta R.T.: 0.000 min
Response: 2513186428
Conc: 683.81 ng/ml



#8 DICHLORPROP

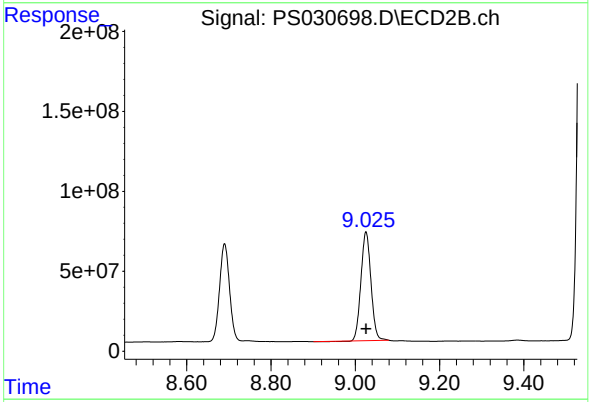
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 1007952750
Conc: 657.78 ng/ml



#9 2,4-D

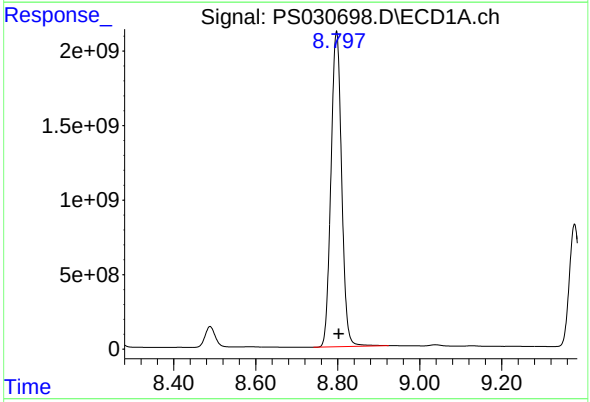
R.T.: 8.488 min
Delta R.T.: 0.000 min
Response: 2477449882
Conc: 728.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



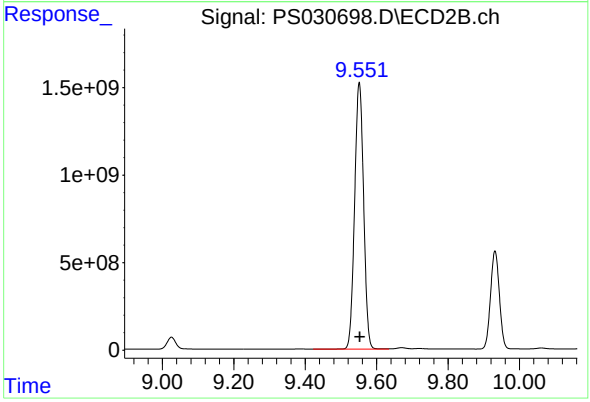
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 1119395297
Conc: 667.72 ng/ml



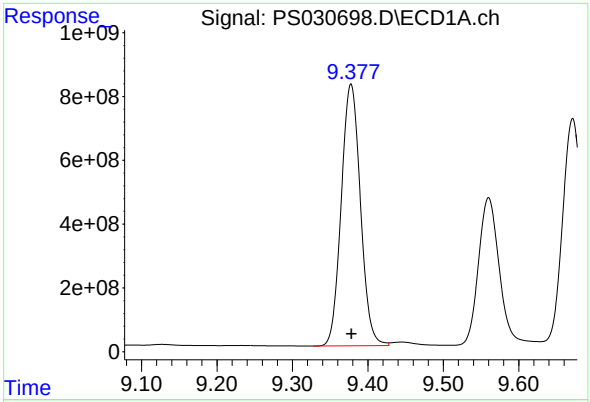
#10 Pentachlorophenol

R.T.: 8.797 min
Delta R.T.: -0.006 min
Response: 38187941711
Conc: 738.78 ng/ml



#10 Pentachlorophenol

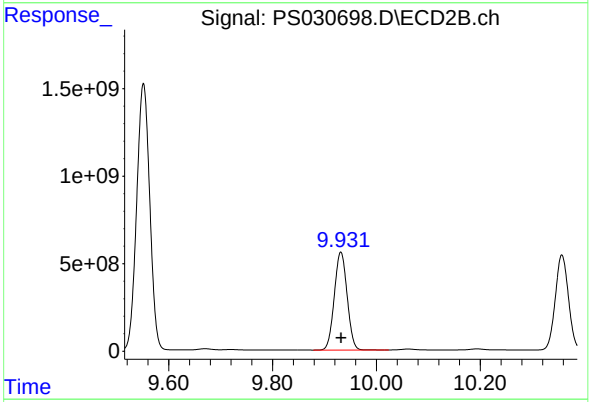
R.T.: 9.551 min
Delta R.T.: -0.002 min
Response: 26588832735
Conc: 700.89 ng/ml



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

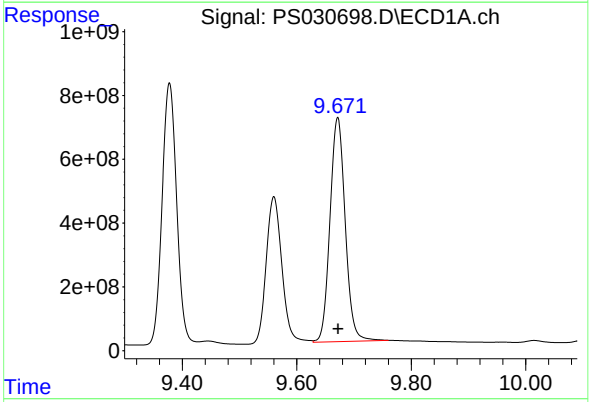
R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 14496612224
Conc: 724.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



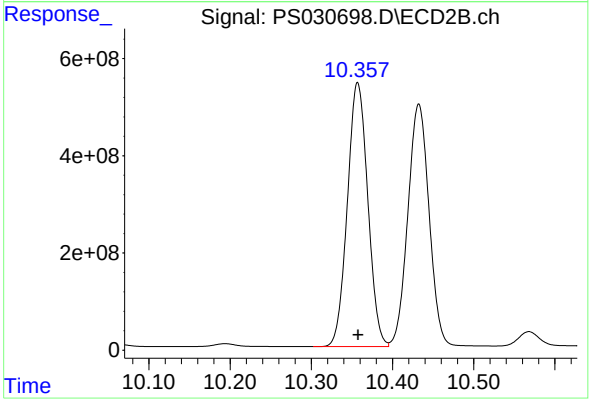
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 9595773428
Conc: 668.48 ng/ml



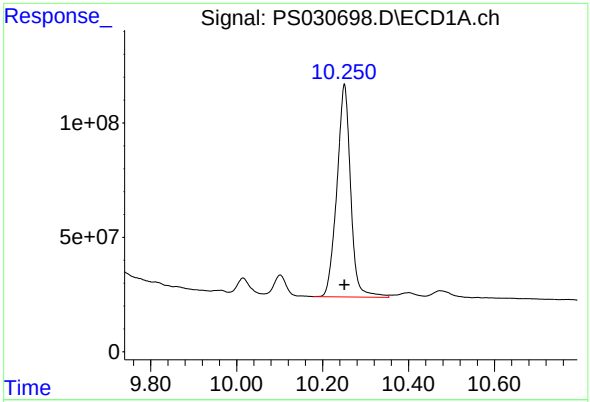
#12 2,4,5-T

R.T.: 9.672 min
Delta R.T.: 0.000 min
Response: 13011764543
Conc: 782.52 ng/ml



#12 2,4,5-T

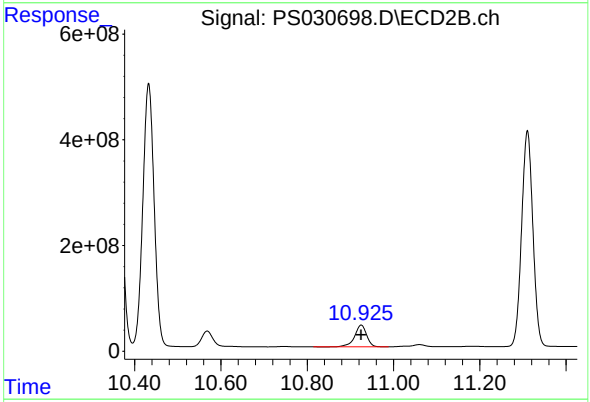
R.T.: 10.357 min
Delta R.T.: 0.000 min
Response: 9495967836
Conc: 688.69 ng/ml



#13 2,4-DB

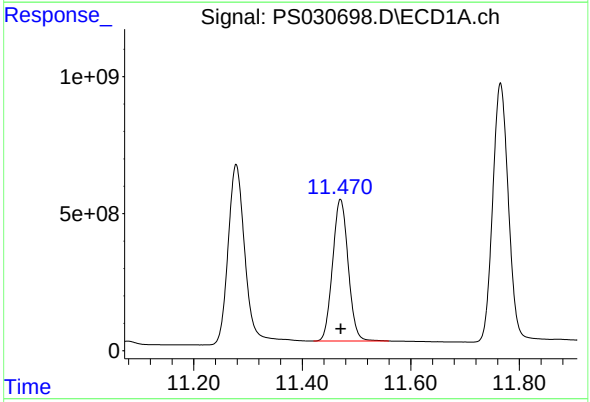
R.T.: 10.251 min
Delta R.T.: 0.000 min
Response: 2063430471
Conc: 835.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



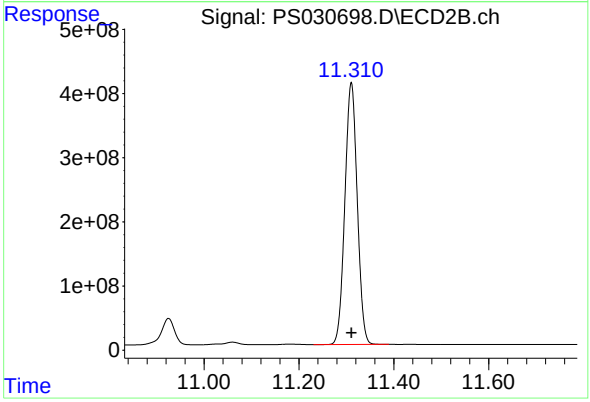
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 791106482
Conc: 666.72 ng/ml



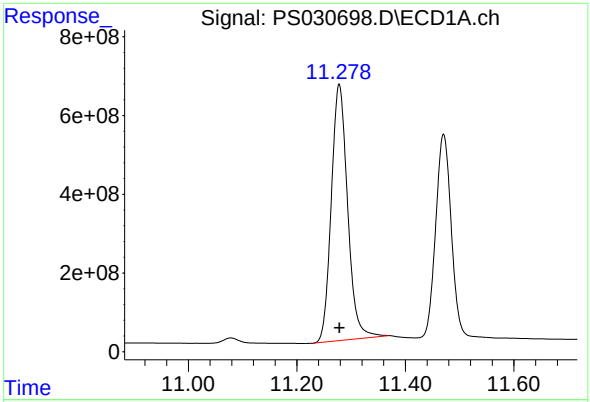
#14 DINOSEB

R.T.: 11.470 min
Delta R.T.: 0.000 min
Response: 10290353576
Conc: 726.65 ng/ml



#14 DINOSEB

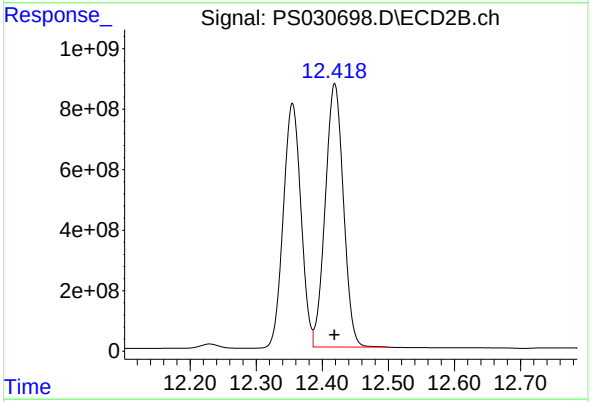
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 7382598212
Conc: 673.76 ng/ml



#15 Picloram

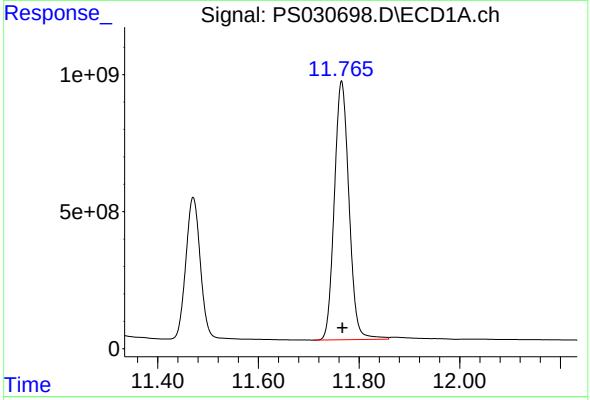
R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 13609140509
Conc: 815.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



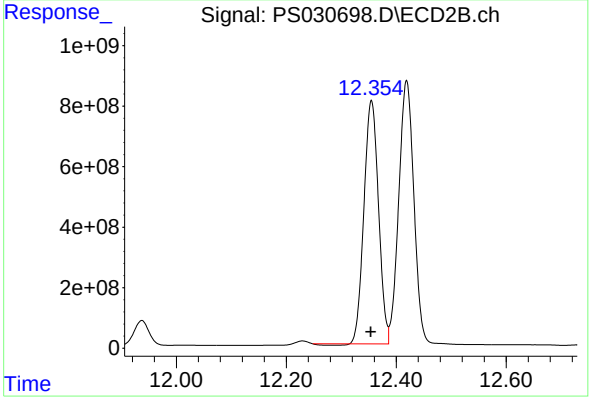
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 16630241687
Conc: 693.62 ng/ml



#16 DCPA

R.T.: 11.765 min
Delta R.T.: -0.002 min
Response: 19064052920
Conc: 733.93 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 14729777030
Conc: 685.89 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030739.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:25
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:36:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 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	7.350	7.769	890.2E6	256.7E6	238.920	237.129
		Target Compounds						
1)	T	Dalapon	2.709	2.710	971.8E6	586.5E6	167.686	209.695 #
2)	T	3,5-DICHL...	6.508	6.716	1200.4E6	355.0E6	220.928	217.928
3)	T	4-Nitroph...	7.150	7.302	330.2E6	350.3E6	207.247	199.990
5)	T	DICAMBA	7.540	7.972	3345.0E6	1373.3E6	213.508	207.020
6)	T	MCPP	7.718	8.067	159.0E6	35228767	16.559	16.286
7)	T	MCPA	7.868	8.315	212.7E6	56624493	17.882	17.775
8)	T	DICHLORPROP	8.254	8.691	871.9E6	348.8E6	236.185	225.527
9)	T	2,4-D	8.487	9.027	727.2E6	369.5E6	214.344	221.836
10)	T	Pentachlo...	8.794	9.551	12128.2E6	8330.8E6	234.117	217.854
11)	T	2,4,5-TP ...	9.375	9.933	4233.7E6	3133.8E6	210.774	216.695
12)	T	2,4,5-T	9.670	10.359	3278.8E6	2973.3E6	196.020	214.899
13)	T	2,4-DB	10.249	10.927	471.5E6	260.9E6	193.094	218.864
14)	T	DINOSEB	11.468	11.312	2859.8E6	2274.7E6	204.681	209.757
15)	T	Picloram	11.278	12.421	3022.6E6	4586.9E6	185.564	196.104
16)	T	DCPA	11.763	12.355	5510.6E6	4823.7E6	213.250	217.126

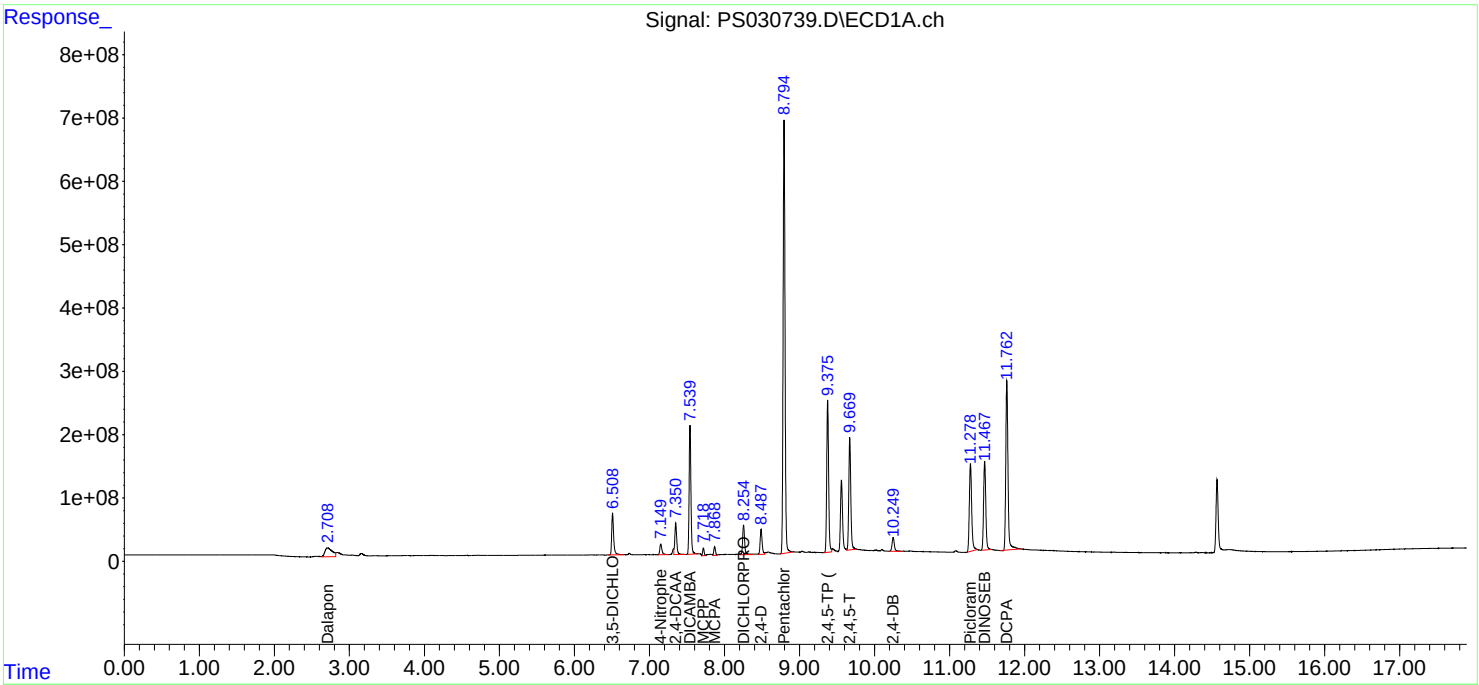
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

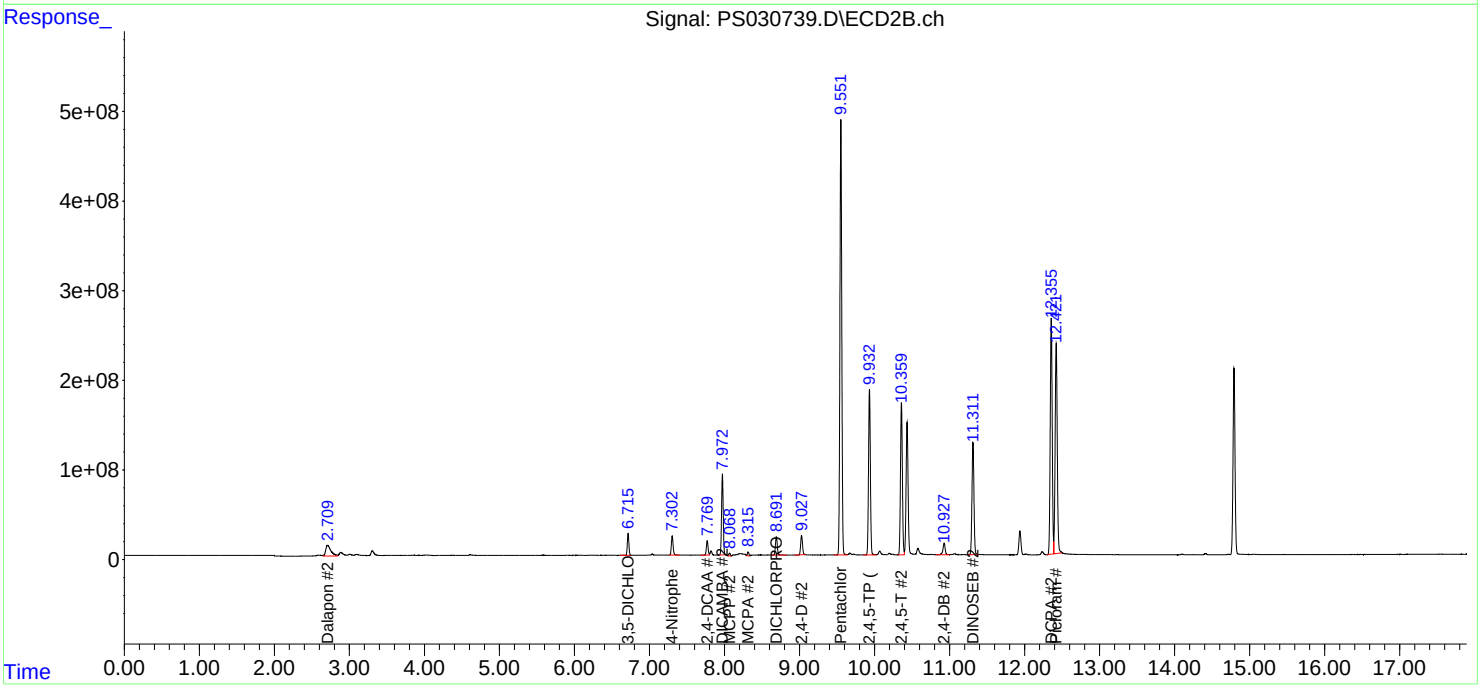
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030739.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:25
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

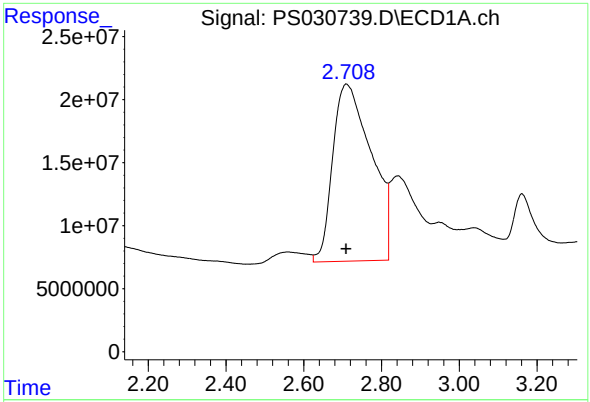
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:36:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 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 0.25µm



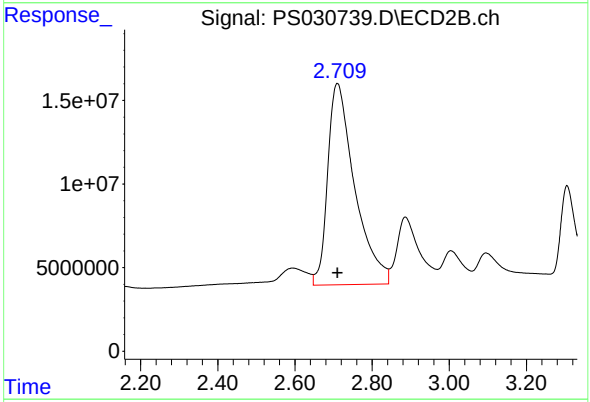




#1 Dalapon

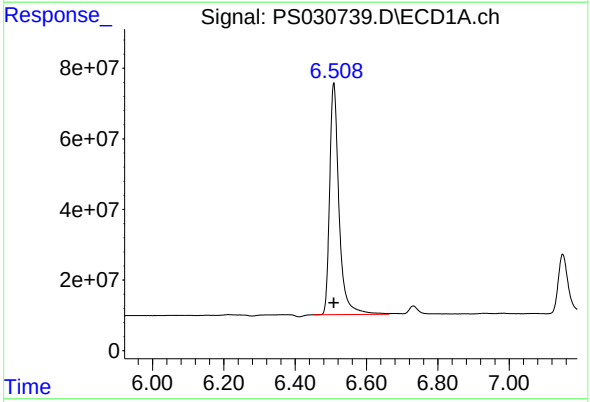
R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 971836821
Conc: 167.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



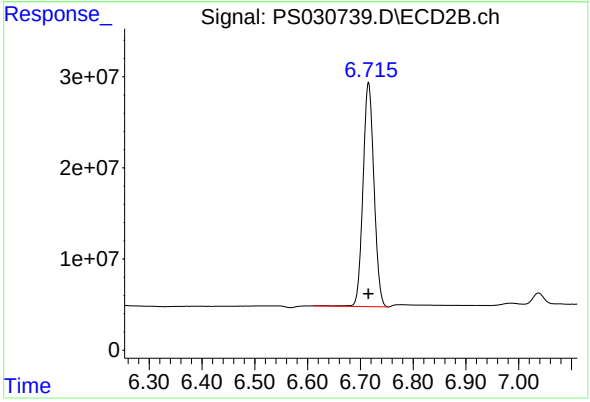
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 586490543
Conc: 209.69 ng/ml



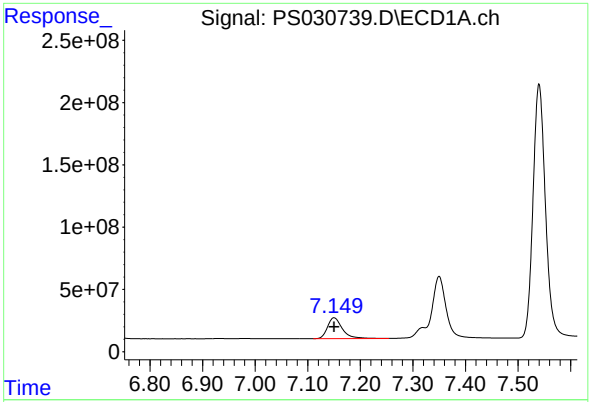
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: 0.000 min
Response: 1200355707
Conc: 220.93 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

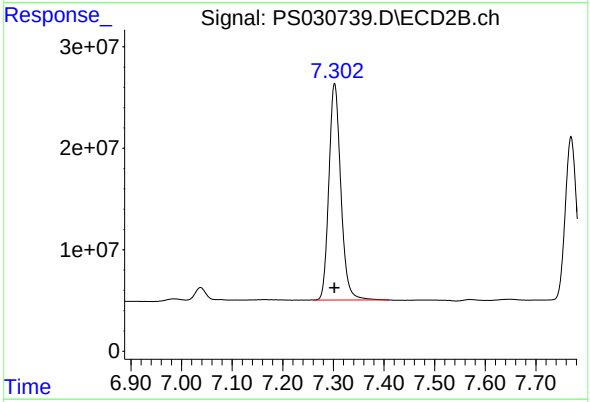
R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 354959043
Conc: 217.93 ng/ml



#3 4-Nitrophenol

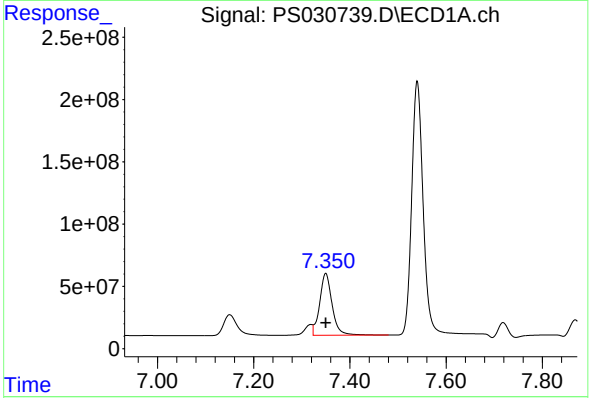
R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 330195714
Conc: 207.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



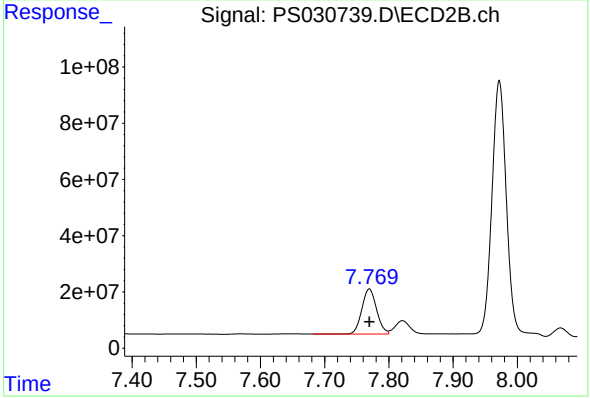
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.000 min
Response: 350347223
Conc: 199.99 ng/ml



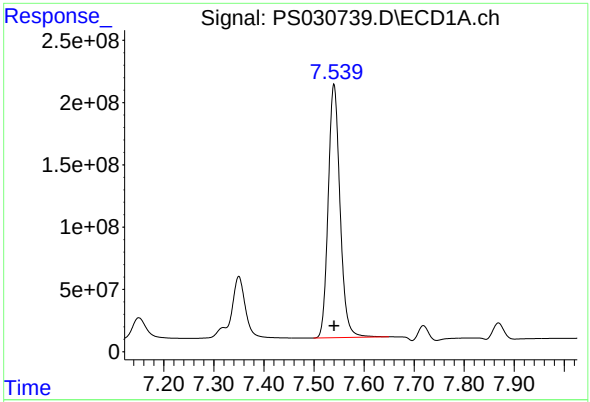
#4 2,4-DCAA

R.T.: 7.350 min
Delta R.T.: 0.000 min
Response: 890240378
Conc: 238.92 ng/ml



#4 2,4-DCAA

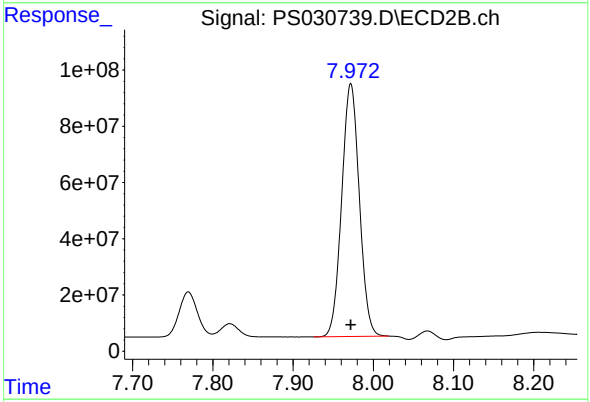
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 256650055
Conc: 237.13 ng/ml



#5 DICAMBA

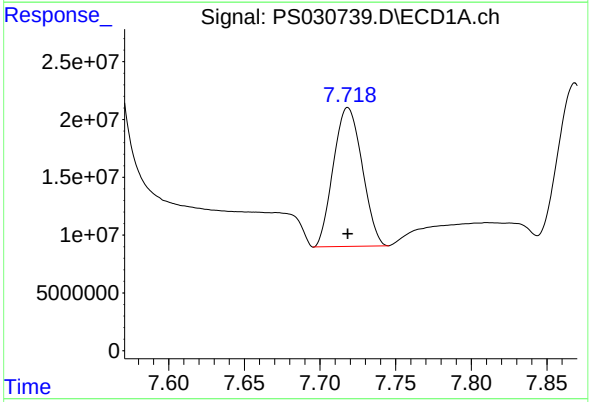
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 3345025510
Conc: 213.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



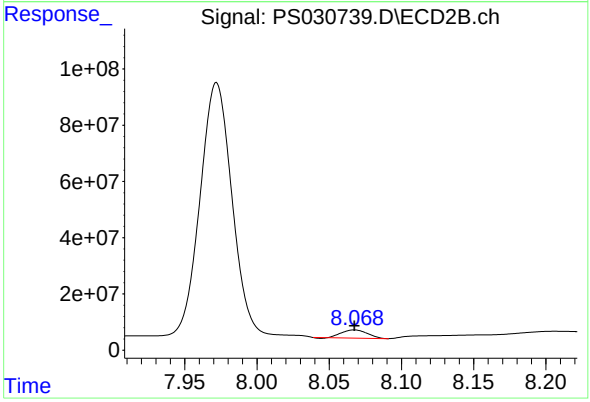
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 1373334985
Conc: 207.02 ng/ml



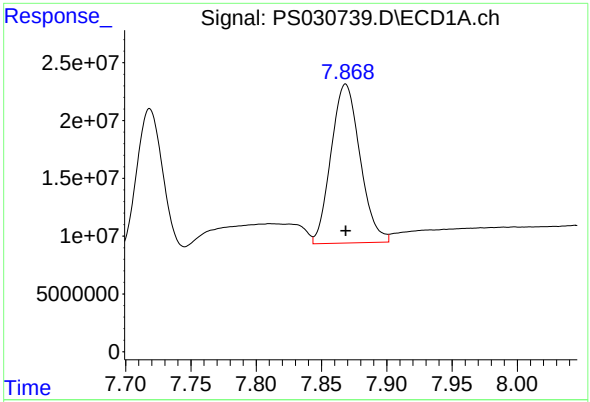
#6 MCPP

R.T.: 7.718 min
Delta R.T.: 0.000 min
Response: 158987678
Conc: 16.56 ug/ml



#6 MCPP

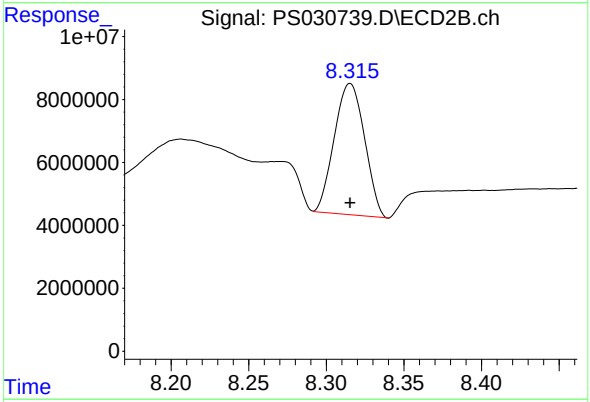
R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 35228767
Conc: 16.29 ug/ml



#7 MCPA

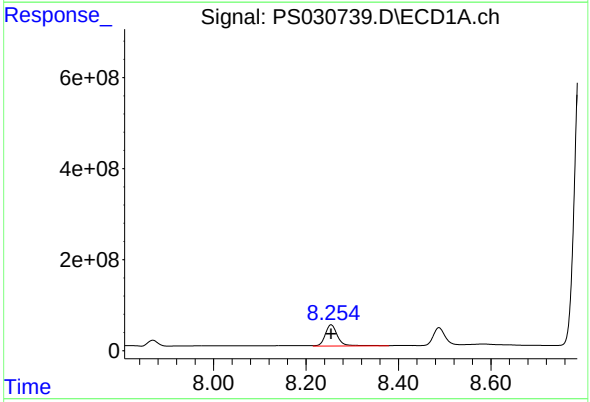
R.T.: 7.868 min
Delta R.T.: 0.000 min
Response: 212651278
Conc: 17.88 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



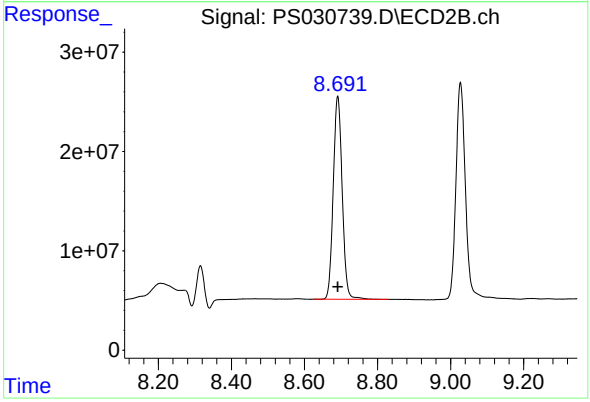
#7 MCPA

R.T.: 8.315 min
Delta R.T.: 0.000 min
Response: 56624493
Conc: 17.77 ug/ml



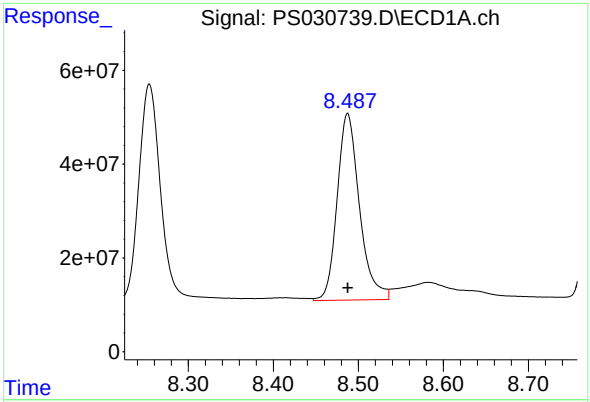
#8 DICHLORPROP

R.T.: 8.254 min
Delta R.T.: 0.000 min
Response: 871875298
Conc: 236.18 ng/ml



#8 DICHLORPROP

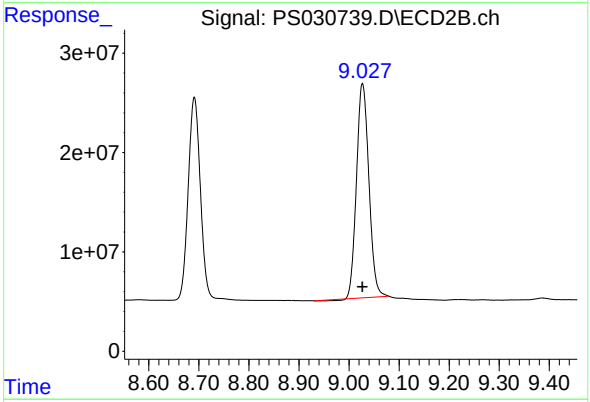
R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 348773849
Conc: 225.53 ng/ml



#9 2,4-D

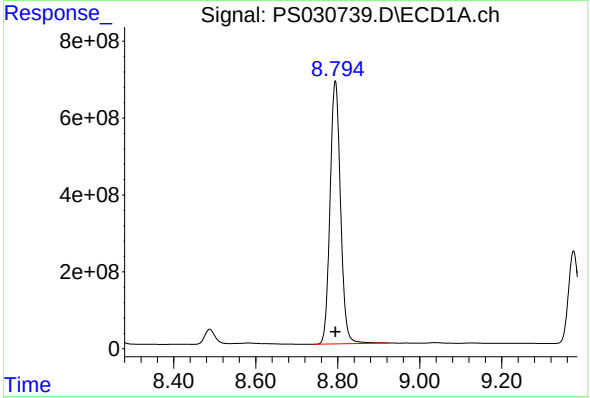
R.T.: 8.487 min
Delta R.T.: 0.000 min
Response: 727197428
Conc: 214.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



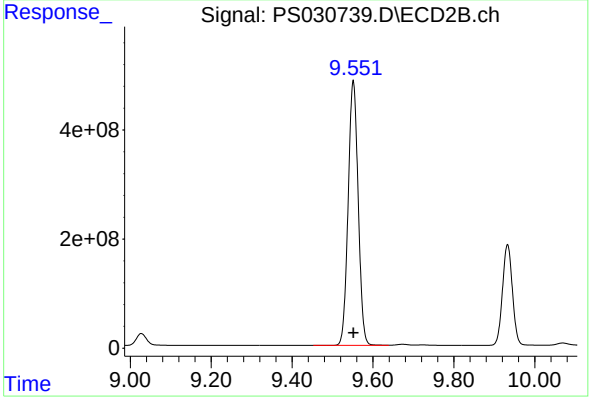
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 369521496
Conc: 221.84 ng/ml



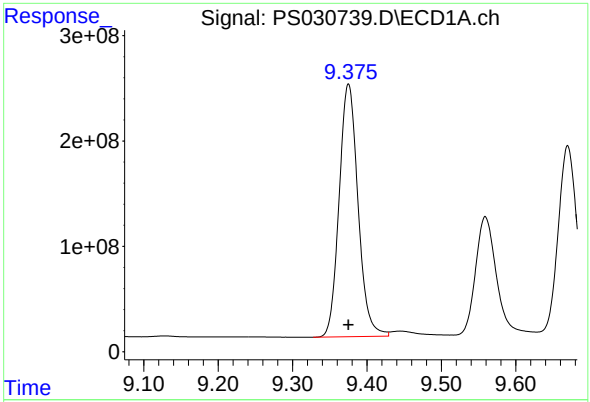
#10 Pentachlorophenol

R.T.: 8.794 min
Delta R.T.: 0.000 min
Response: 12128248123
Conc: 234.12 ng/ml



#10 Pentachlorophenol

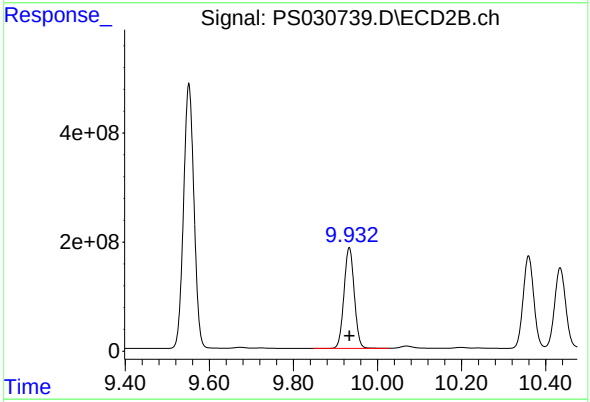
R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 8330812577
Conc: 217.85 ng/ml



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

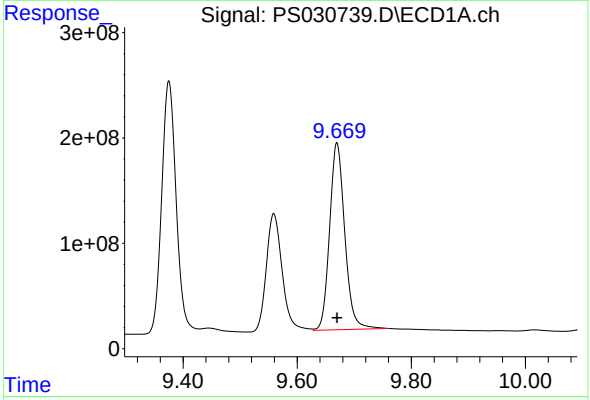
R.T.: 9.375 min
Delta R.T.: 0.000 min
Response: 4233669041
Conc: 210.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



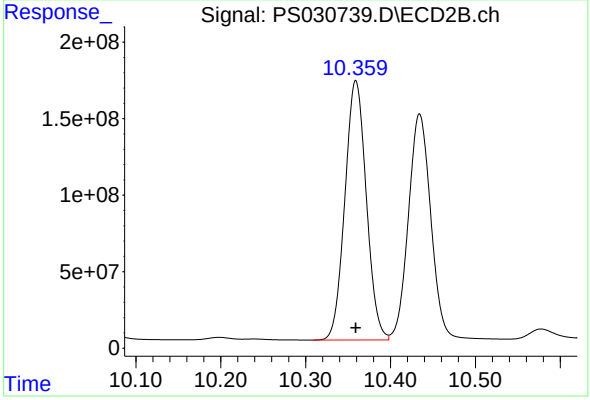
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 3133806660
Conc: 216.69 ng/ml



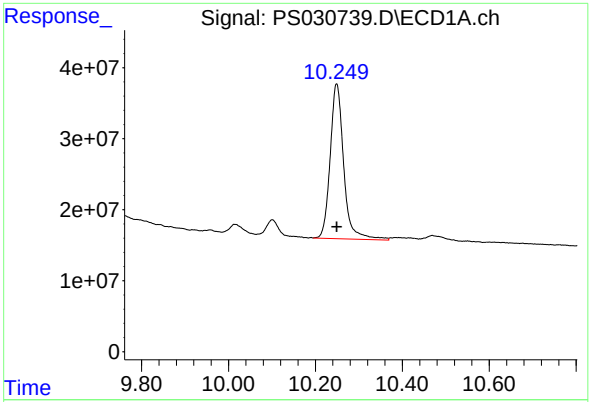
#12 2,4,5-T

R.T.: 9.670 min
Delta R.T.: 0.000 min
Response: 3278778995
Conc: 196.02 ng/ml



#12 2,4,5-T

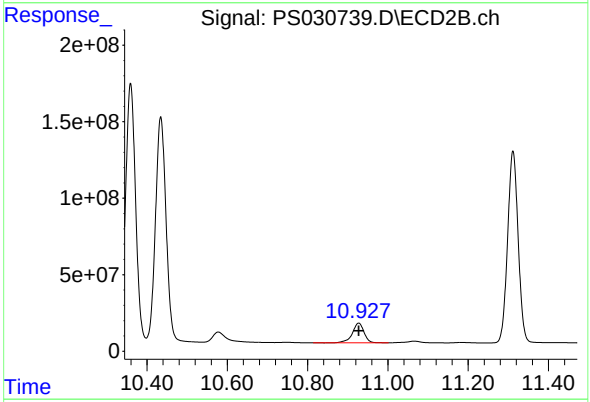
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 2973293568
Conc: 214.90 ng/ml



#13 2,4-DB

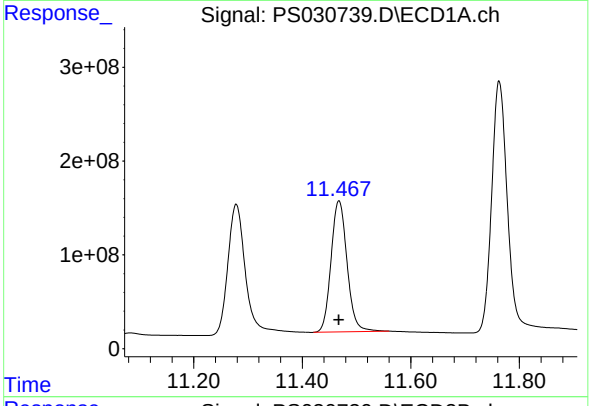
R.T.: 10.249 min
Delta R.T.: 0.000 min
Response: 471504086
Conc: 193.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



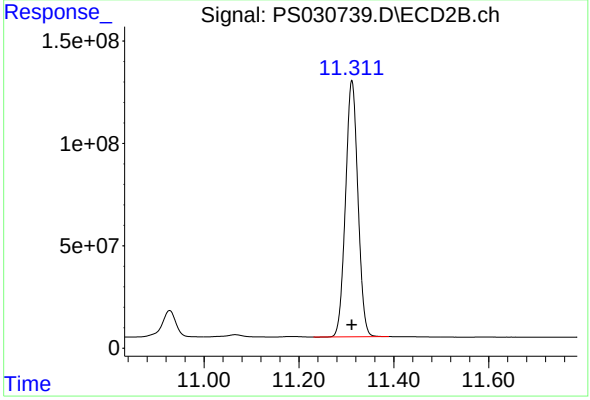
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.000 min
Response: 260930449
Conc: 218.86 ng/ml



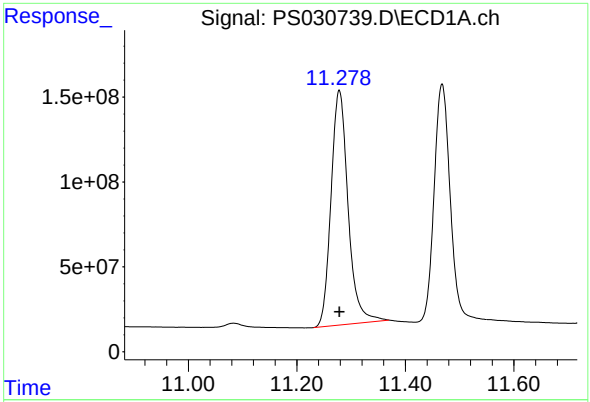
#14 DINOSEB

R.T.: 11.468 min
Delta R.T.: 0.000 min
Response: 2859823165
Conc: 204.68 ng/ml



#14 DINOSEB

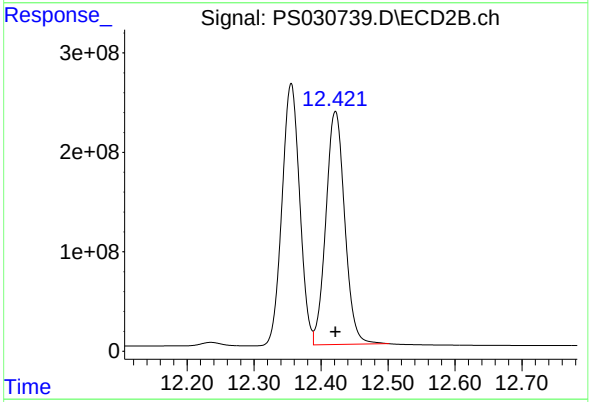
R.T.: 11.312 min
Delta R.T.: 0.000 min
Response: 2274687746
Conc: 209.76 ng/ml



#15 Picloram

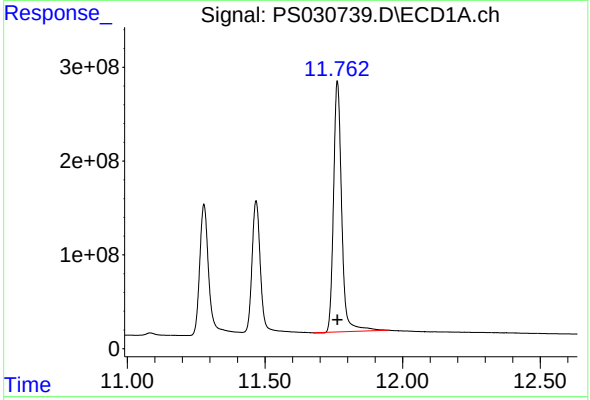
R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 3022613176
Conc: 185.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



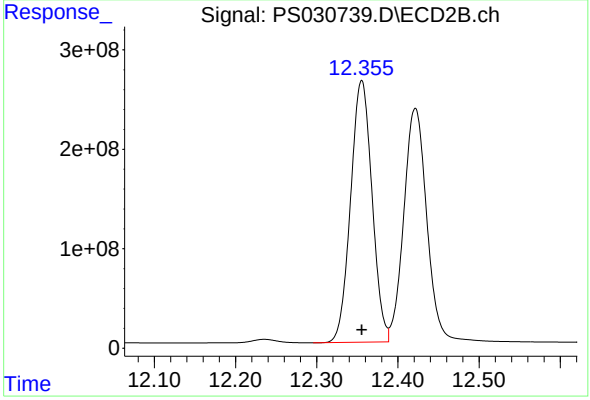
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 4586919644
Conc: 196.10 ng/ml



#16 DCPA

R.T.: 11.763 min
Delta R.T.: 0.000 min
Response: 5510575707
Conc: 213.25 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 4823707672
Conc: 217.13 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030741.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 12:13
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 20 05:11:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.349	7.770	3035.6E6	788.0E6	826.147	735.123
	Target Compounds						
1) T	Dalapon	2.711	2.709	4110.7E6	1860.0E6	689.069	678.398
2) T	3,5-DICHL...	6.508	6.715	3694.2E6	1104.7E6	686.962	684.833
3) T	4-Nitroph...	7.148	7.301	1058.7E6	1177.8E6	671.406	679.424
5) T	DICAMBA	7.539	7.972	10887.5E6	4629.4E6	715.574	706.425
6) T	MCPP	7.721	8.071	692.7E6	159.8E6	73.780	76.186
7) T	MCPA	7.872	8.321	834.2E6	225.9E6	71.110	71.825
8) T	DICHLORPROP	8.253	8.691	2465.2E6	1056.4E6	658.135	671.805
9) T	2,4-D	8.486	9.027	2330.4E6	1143.9E6	676.582	673.127
10) T	Pentachlo...	8.793	9.552	38633.6E6	27600.8E6	729.962	724.010
11) T	2,4,5-TP ...	9.375	9.933	14234.3E6	10200.5E6	710.633	706.961
12) T	2,4,5-T	9.668	10.359	11991.4E6	9758.3E6	728.821	714.130
13) T	2,4-DB	10.247	10.927	1715.3E6	829.1E6	747.888	700.871
14) T	DINOSEB	11.466	11.311	9809.4E6	7563.6E6	707.076	701.555
15) T	Picloram	11.275	12.421	11657.4E6	16873.3E6	725.137	726.003
16) T	DCPA	11.762	12.356	18560.8E6	15913.5E6	724.571	721.937

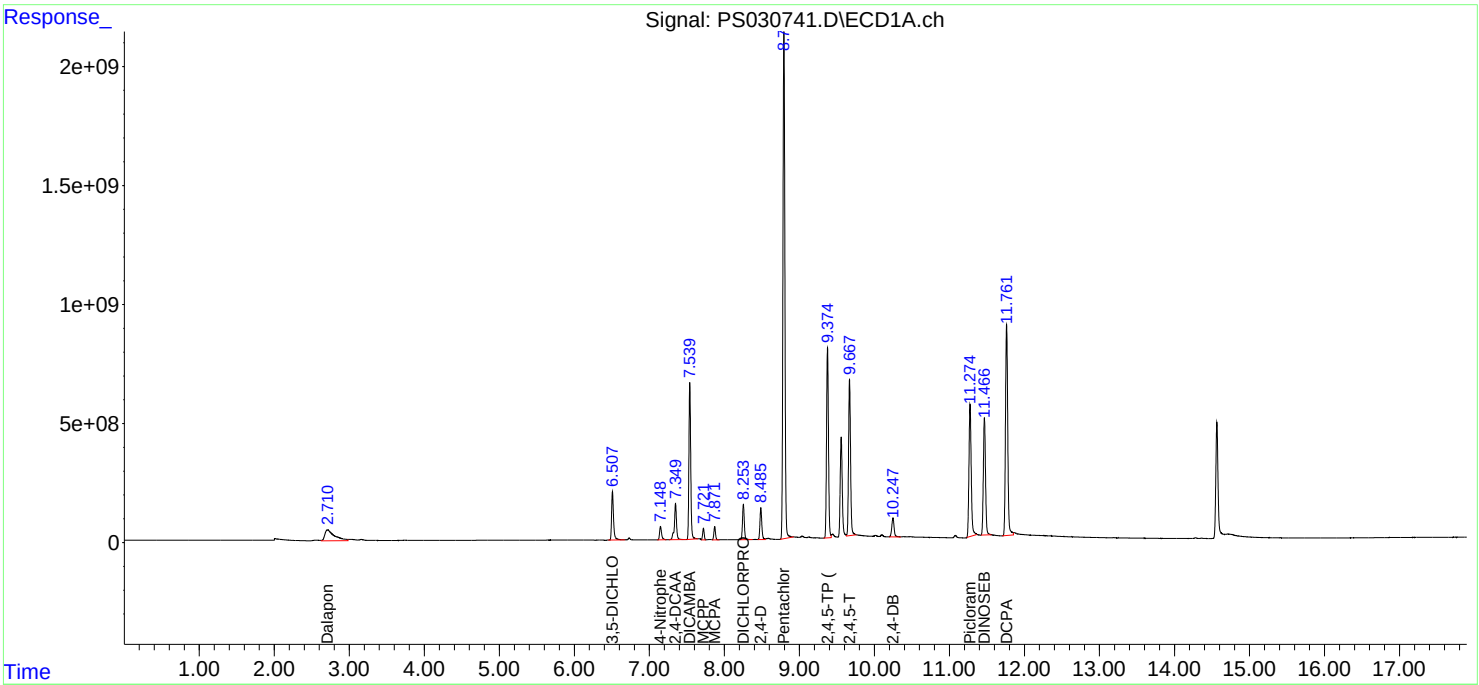
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

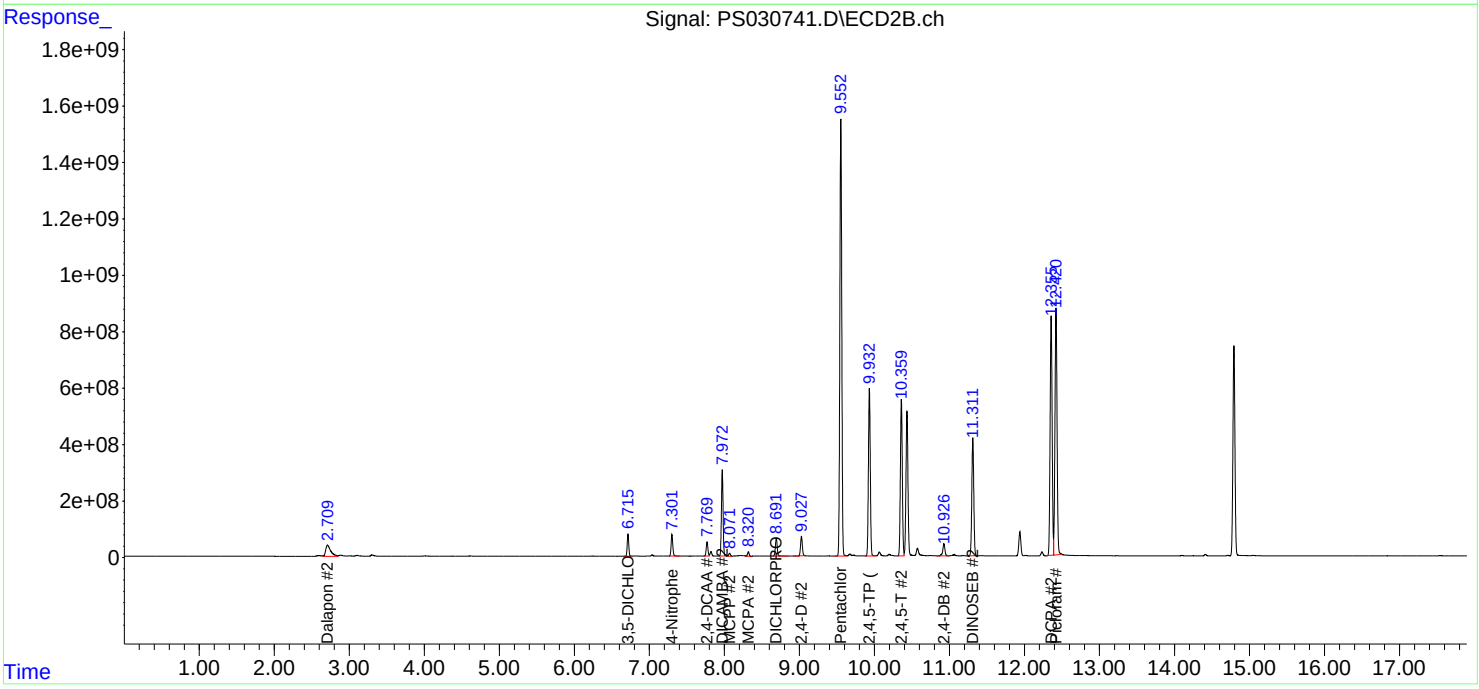
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030741.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 12:13
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

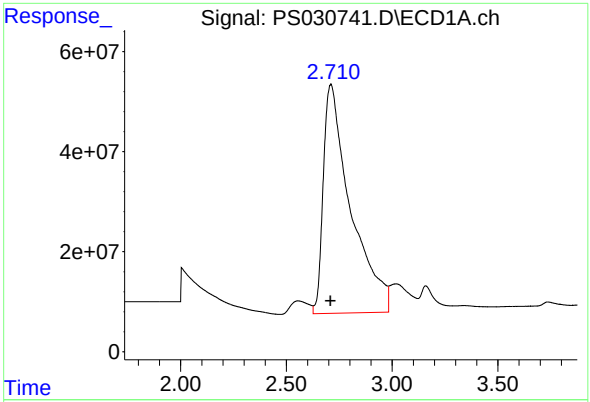
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 20 05:11:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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



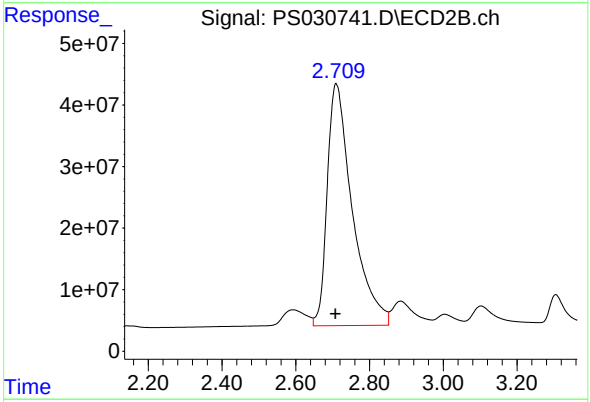




#1 Dalapon

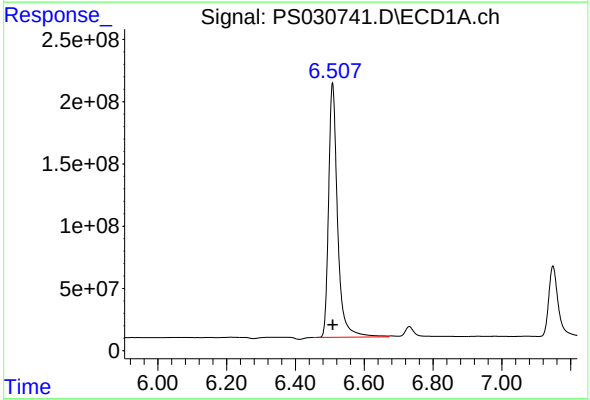
R.T.: 2.711 min
Delta R.T.: 0.003 min
Response: 4110732348
Conc: 689.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



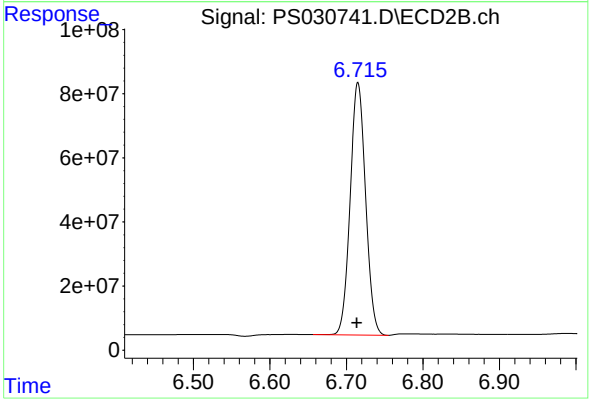
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.002 min
Response: 1859991643
Conc: 678.40 ng/ml



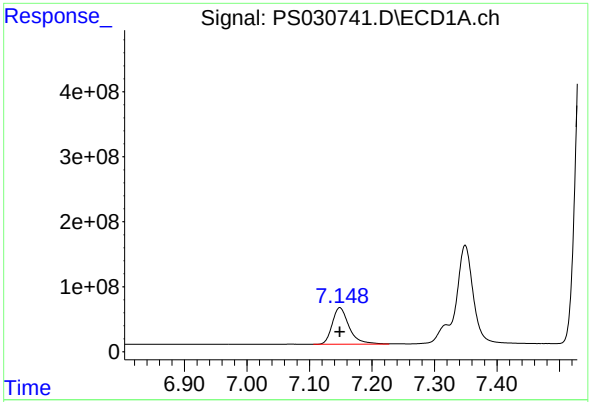
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: 0.000 min
Response: 3694171115
Conc: 686.96 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

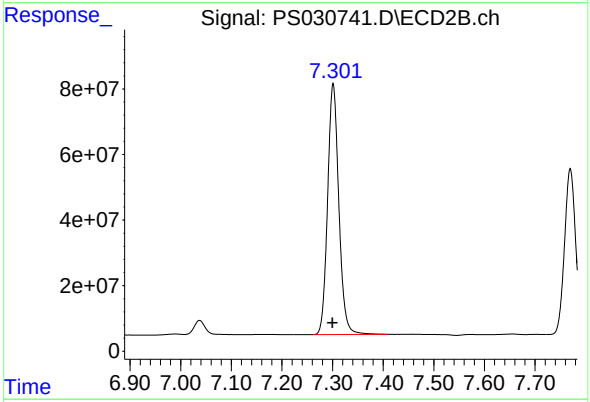
R.T.: 6.715 min
Delta R.T.: 0.002 min
Response: 1104738592
Conc: 684.83 ng/ml



#3 4-Nitrophenol

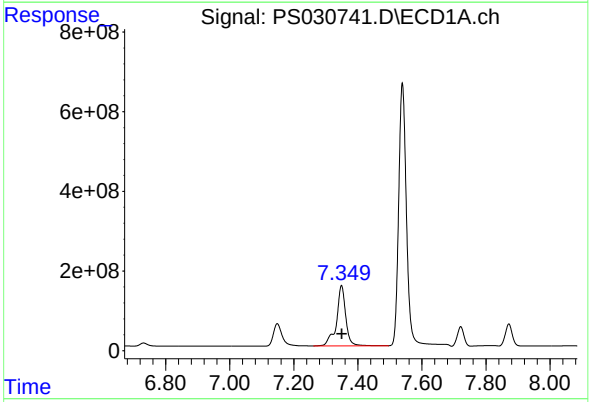
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 1058651889
Conc: 671.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



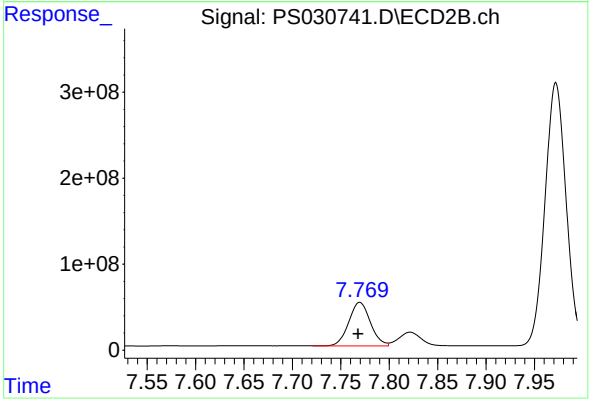
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.002 min
Response: 1177806312
Conc: 679.42 ng/ml



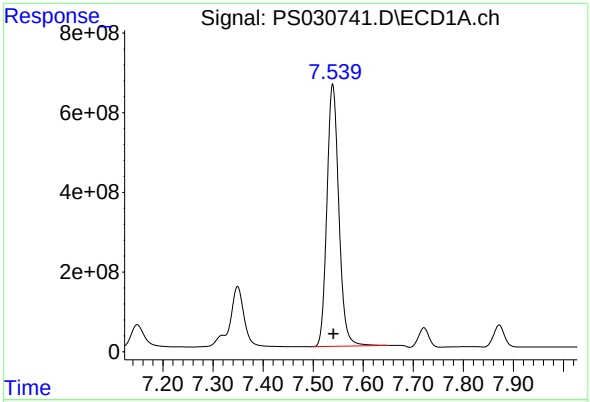
#4 2,4-DCAA

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 3035589375
Conc: 826.15 ng/ml



#4 2,4-DCAA

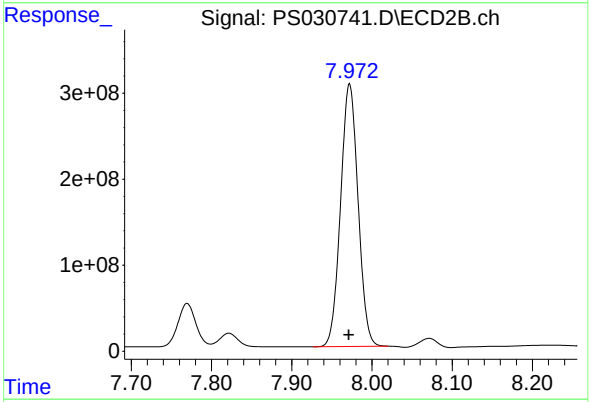
R.T.: 7.770 min
Delta R.T.: 0.002 min
Response: 788025014
Conc: 735.12 ng/ml



#5 DICAMBA

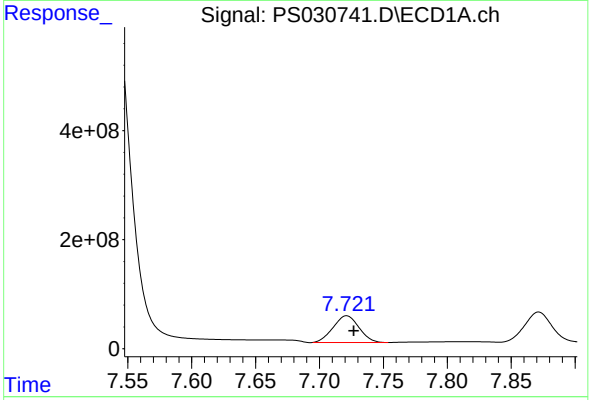
R.T.: 7.539 min
Delta R.T.: -0.001 min
Response: 10887528591
Conc: 715.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



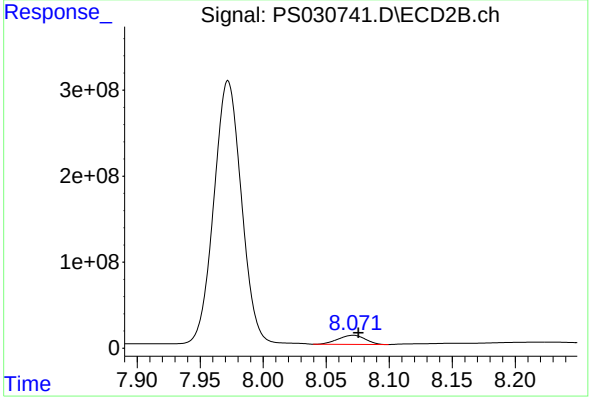
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 4629352370
Conc: 706.42 ng/ml



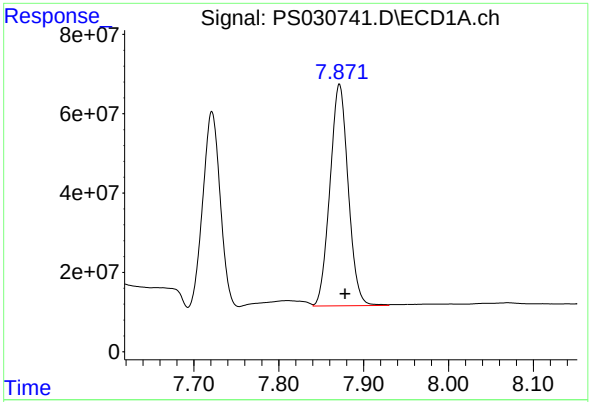
#6 MCPP

R.T.: 7.721 min
Delta R.T.: -0.006 min
Response: 692670314
Conc: 73.78 ug/ml



#6 MCPP

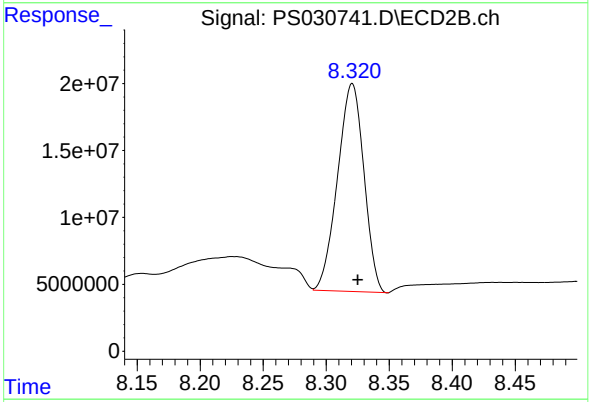
R.T.: 8.071 min
Delta R.T.: -0.004 min
Response: 159785274
Conc: 76.19 ug/ml



#7 MCPA

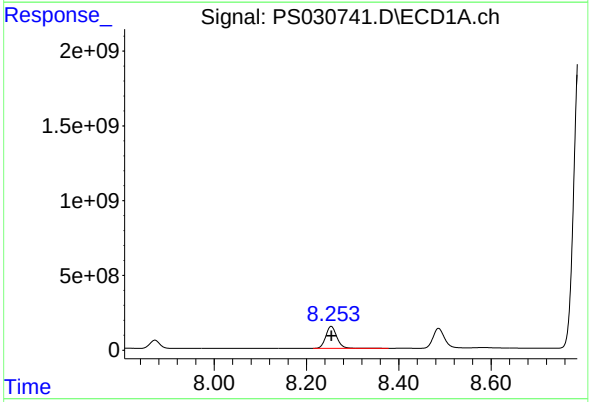
R.T.: 7.872 min
Delta R.T.: -0.006 min
Response: 834163992
Conc: 71.11 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



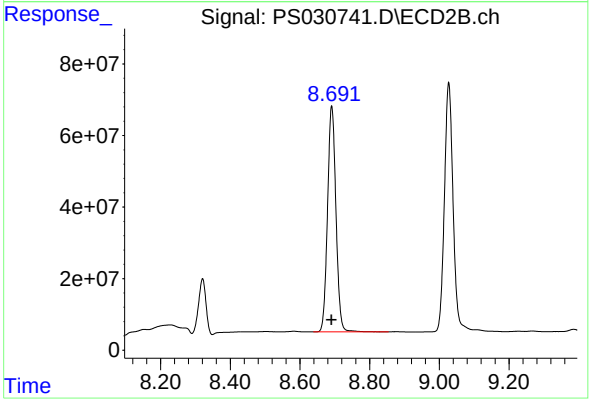
#7 MCPA

R.T.: 8.321 min
Delta R.T.: -0.004 min
Response: 225941875
Conc: 71.82 ug/ml



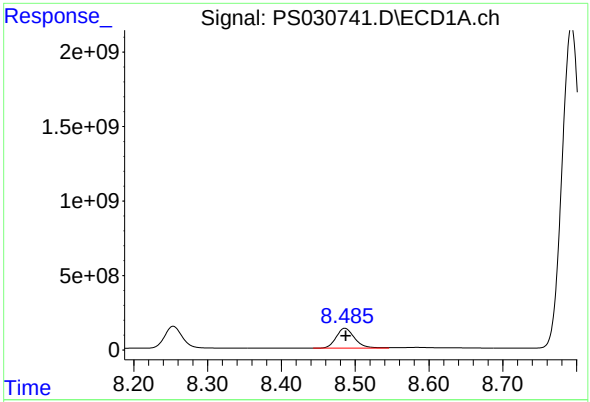
#8 DICHLORPROP

R.T.: 8.253 min
Delta R.T.: 0.000 min
Response: 2465218415
Conc: 658.13 ng/ml



#8 DICHLORPROP

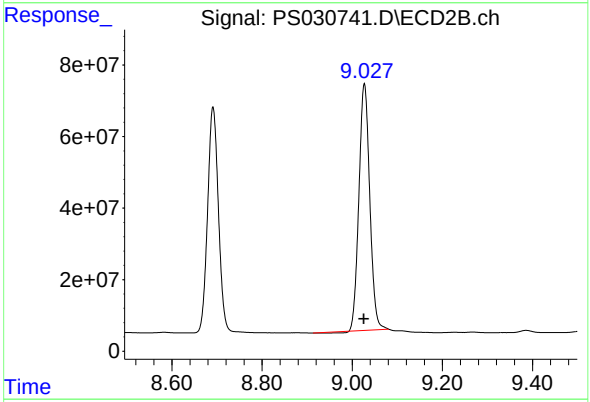
R.T.: 8.691 min
Delta R.T.: 0.001 min
Response: 1056410180
Conc: 671.80 ng/ml



#9 2,4-D

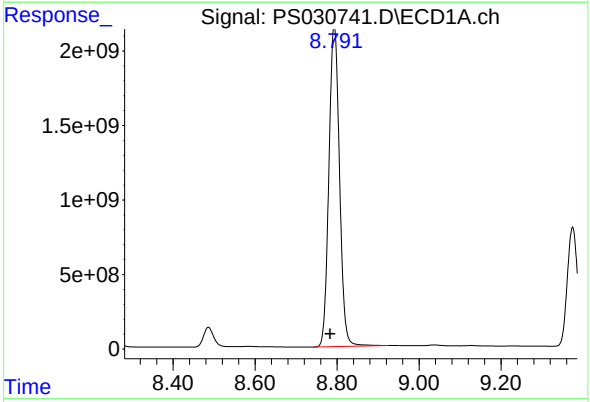
R.T.: 8.486 min
Delta R.T.: -0.001 min
Response: 2330427769
Conc: 676.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



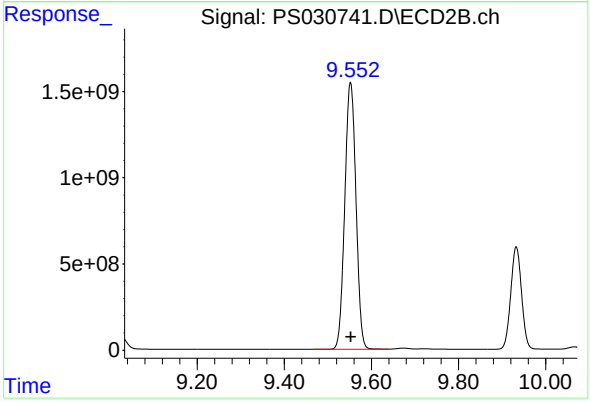
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.001 min
Response: 1143914938
Conc: 673.13 ng/ml



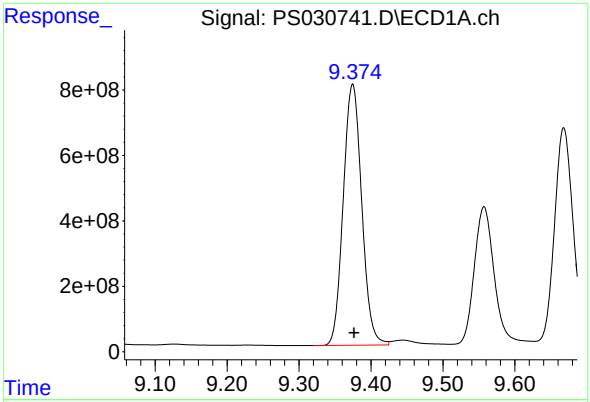
#10 Pentachlorophenol

R.T.: 8.793 min
Delta R.T.: 0.010 min
Response: 38633572840
Conc: 729.96 ng/ml



#10 Pentachlorophenol

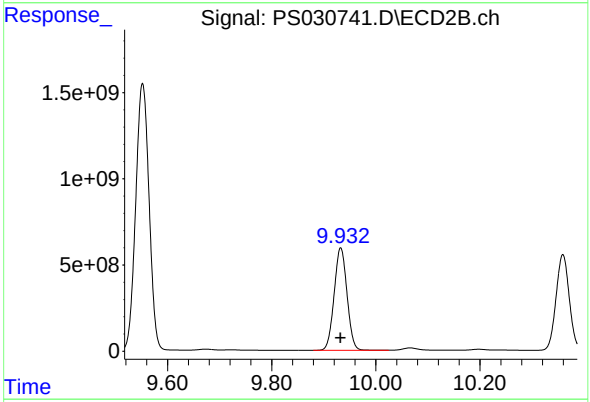
R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 27600761982
Conc: 724.01 ng/ml



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

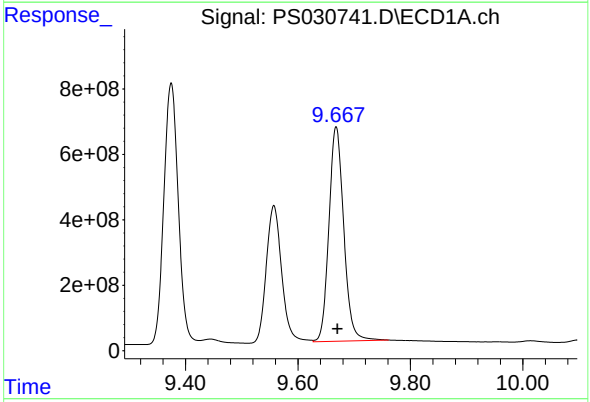
R.T.: 9.375 min
Delta R.T.: -0.002 min
Response: 14234264641
Conc: 710.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



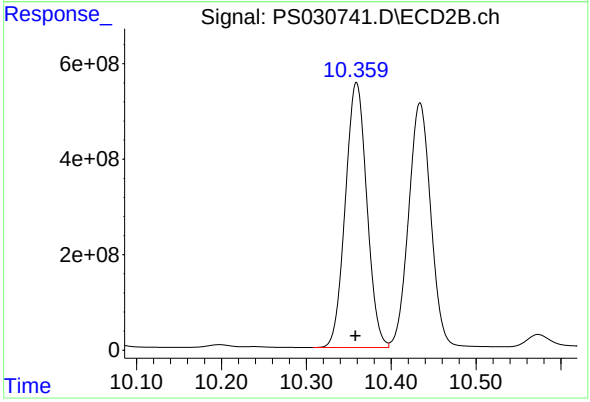
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 10200535553
Conc: 706.96 ng/ml



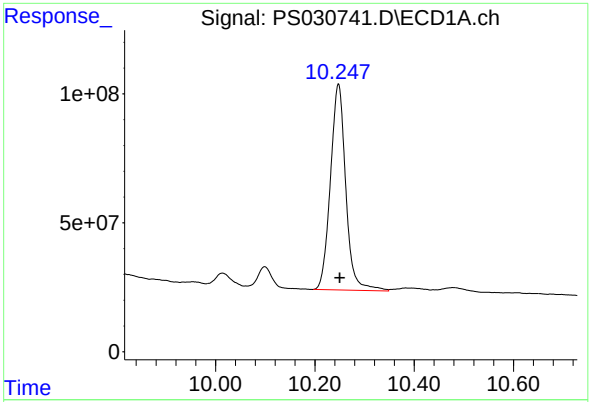
#12 2,4,5-T

R.T.: 9.668 min
Delta R.T.: -0.002 min
Response: 11991398310
Conc: 728.82 ng/ml



#12 2,4,5-T

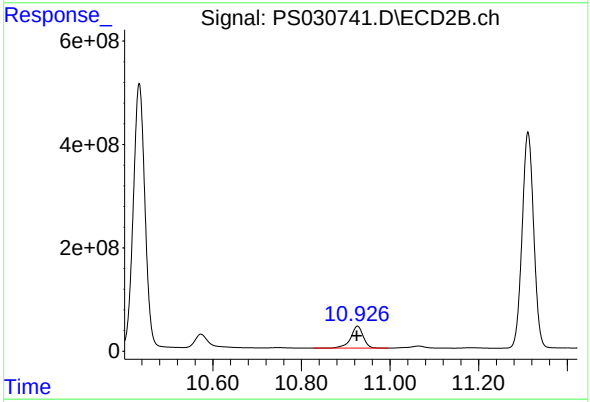
R.T.: 10.359 min
Delta R.T.: 0.001 min
Response: 9758313181
Conc: 714.13 ng/ml



#13 2,4-DB

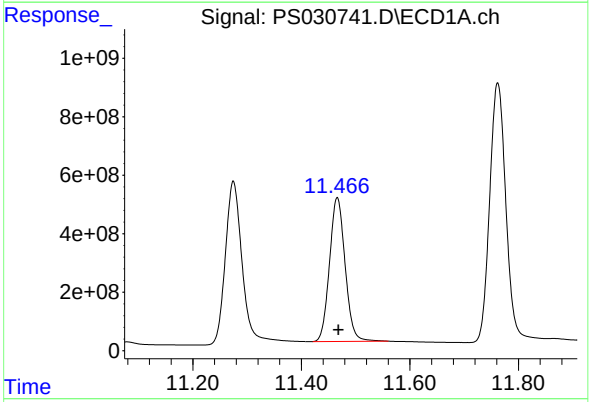
R.T.: 10.247 min
Delta R.T.: -0.002 min
Response: 1715281945
Conc: 747.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



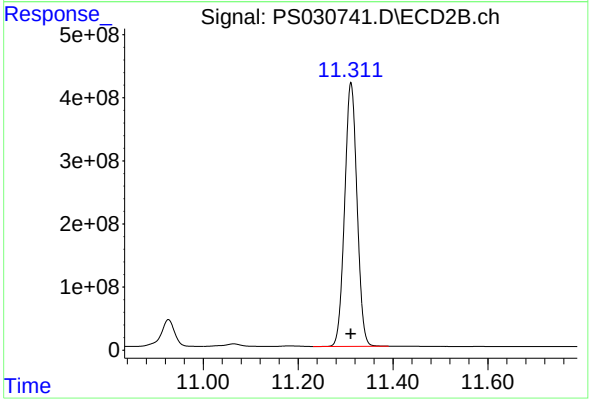
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.001 min
Response: 829063294
Conc: 700.87 ng/ml



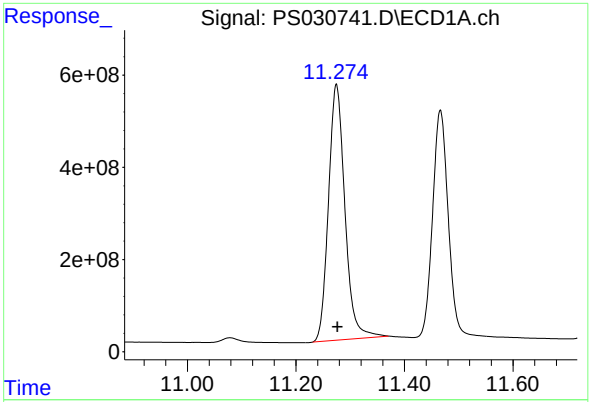
#14 DINOSEB

R.T.: 11.466 min
Delta R.T.: -0.002 min
Response: 9809399692
Conc: 707.08 ng/ml



#14 DINOSEB

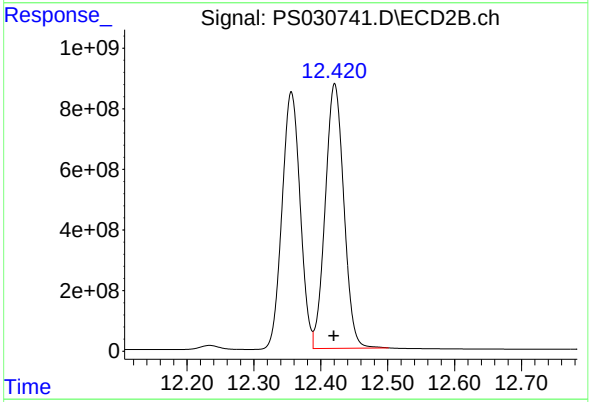
R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 7563637752
Conc: 701.55 ng/ml



#15 Picloram

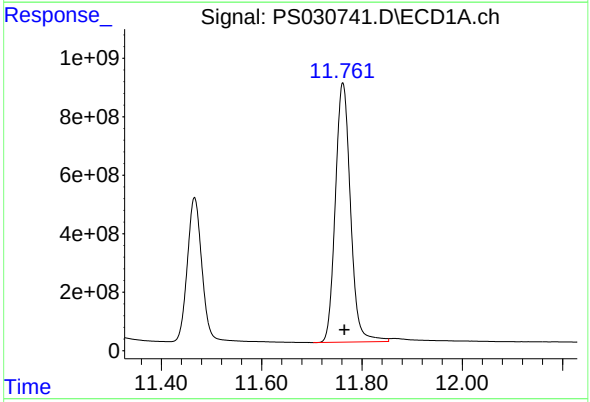
R.T.: 11.275 min
Delta R.T.: -0.002 min
Response: 11657389801
Conc: 725.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



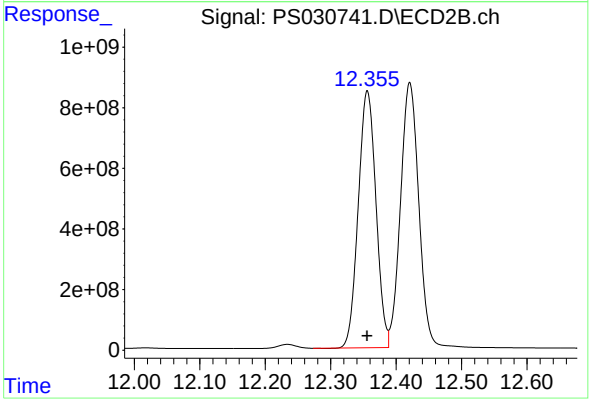
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.001 min
Response: 16873349692
Conc: 726.00 ng/ml



#16 DCPA

R.T.: 11.762 min
Delta R.T.: -0.003 min
Response: 18560788988
Conc: 724.57 ng/ml



#16 DCPA

R.T.: 12.356 min
Delta R.T.: 0.000 min
Response: 15913495369
Conc: 721.94 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030742.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 12:37
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 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	7.349	7.770	3791.7E6	993.0E6	1107.303	978.598
	Target Compounds						
1) T	Dalapon	2.711	2.710	5150.3E6	2361.2E6	890.676	891.083
2) T	3,5-DICHL...	6.508	6.716	4617.8E6	1397.4E6	912.175	911.477
3) T	4-Nitroph...	7.149	7.302	1346.0E6	1506.7E6	887.706	886.926
5) T	DICAMBA	7.540	7.973	13729.6E6	5900.9E6	922.935	921.488
6) T	MCPP	7.723	8.073	915.4E6	207.0E6	90.761	91.801
7) T	MCPA	7.873	8.323	1089.6E6	295.3E6	89.789	91.284
8) T	DICHLORPROP	8.254	8.692	3084.8E6	1328.0E6	916.366	923.462
9) T	2,4-D	8.486	9.027	2961.7E6	1432.3E6	916.252	915.890
10) T	Pentachlo...	8.799	9.553	44933.5E6	34544.9E6	970.273	964.535
11) T	2,4,5-TP ...	9.375	9.933	17920.7E6	12790.2E6	930.890	933.380
12) T	2,4,5-T	9.669	10.359	15378.5E6	12286.7E6	928.339	932.902
13) T	2,4-DB	10.248	10.927	2257.2E6	1053.3E6	919.502	932.595
14) T	DINOSEB	11.468	11.313	12449.4E6	9605.3E6	918.844	921.811
15) T	Picloram	11.275	12.421	15192.8E6	21456.6E6	916.121	928.345
16) T	DCPA	11.763	12.357	23325.9E6	19939.4E6	946.473	946.862

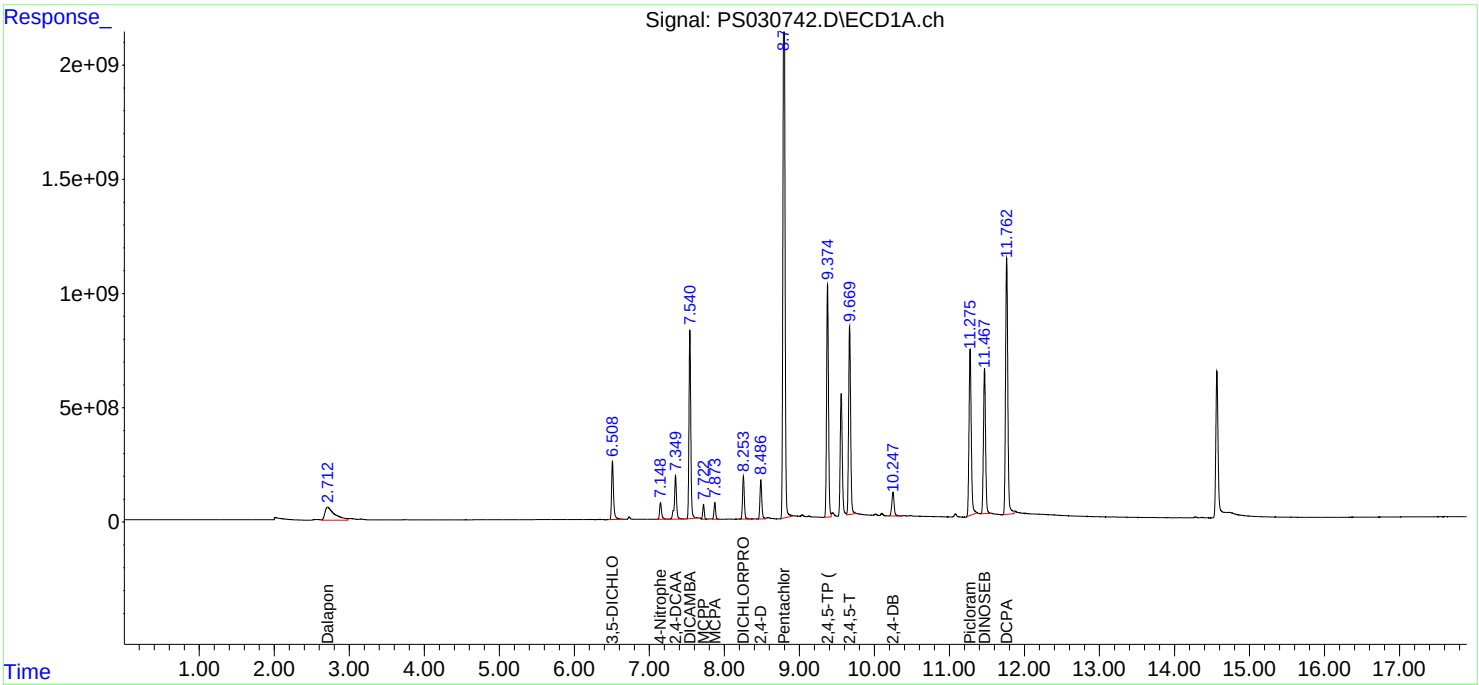
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

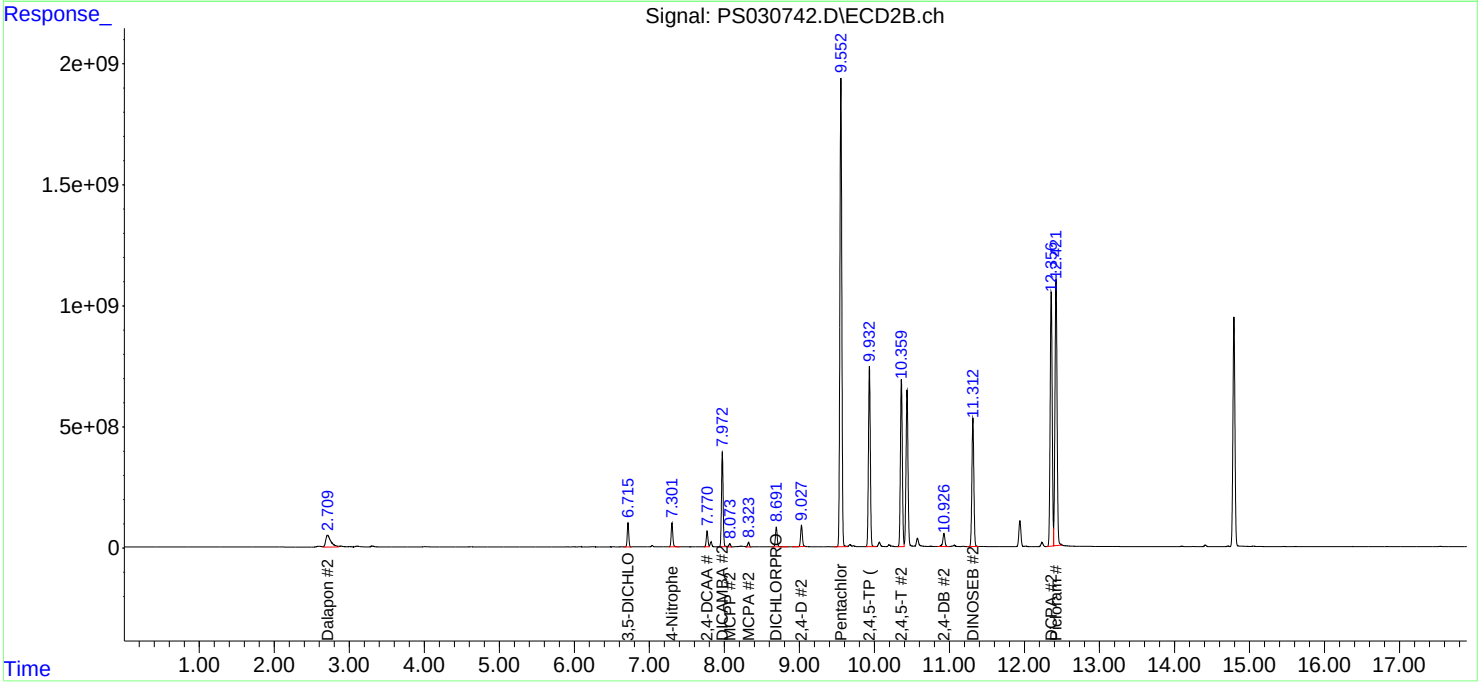
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030742.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 12:37
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

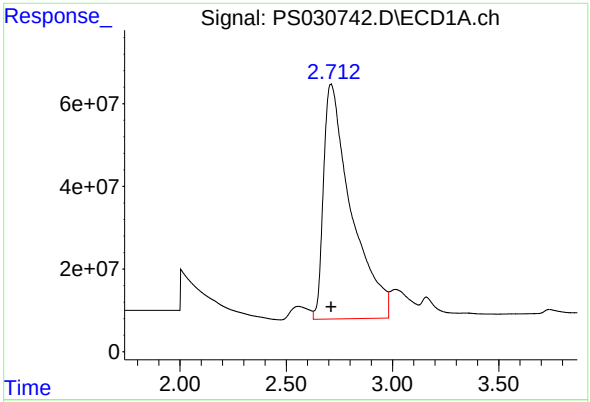
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 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 0.25µm



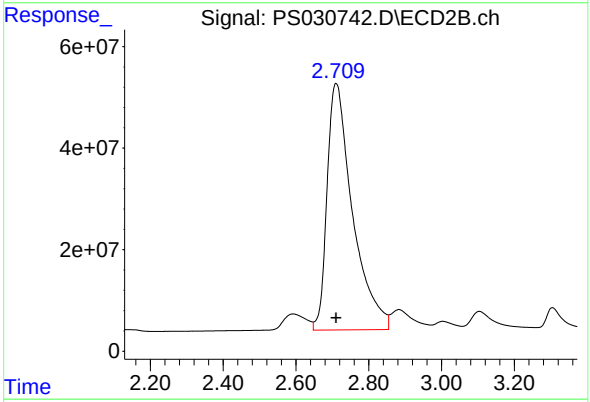




#1 Dalapon

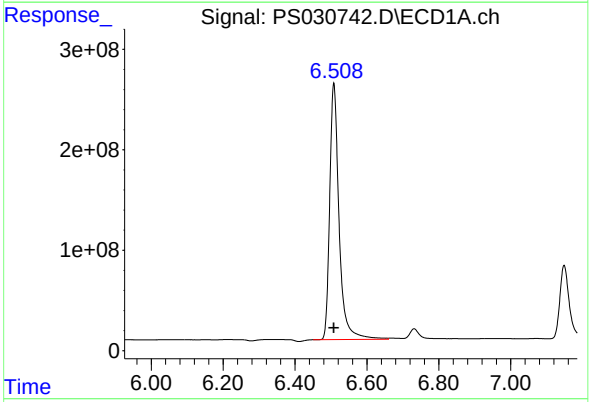
R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 5150349712
Conc: 890.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



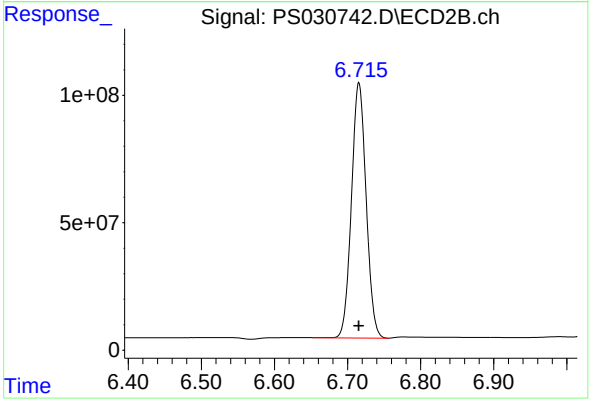
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 2361166728
Conc: 891.08 ng/ml



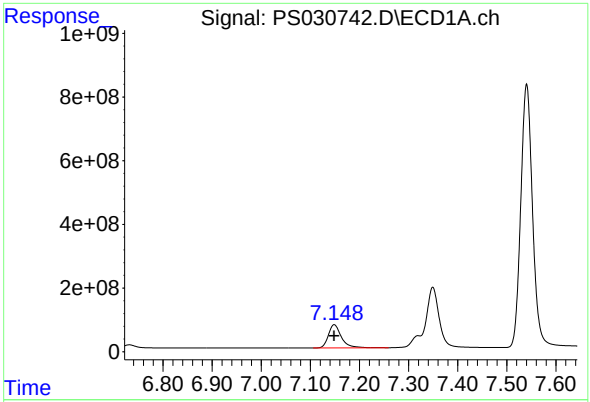
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: 0.000 min
Response: 4617816359
Conc: 912.18 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

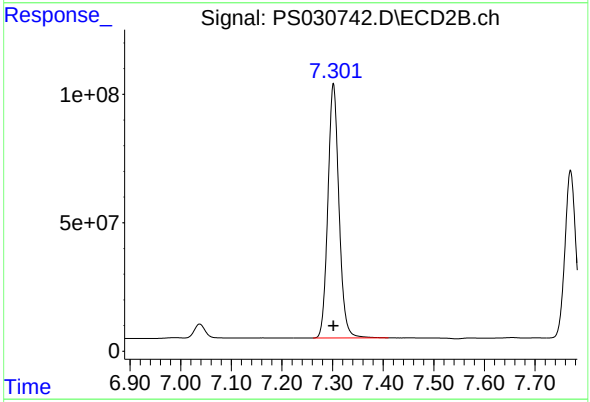
R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 1397419981
Conc: 911.48 ng/ml



#3 4-Nitrophenol

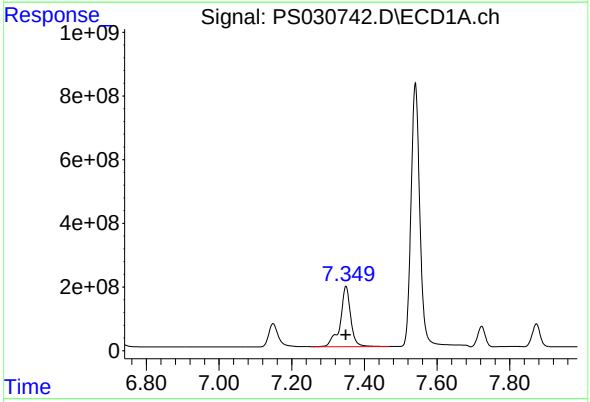
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 1345981224
Conc: 887.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



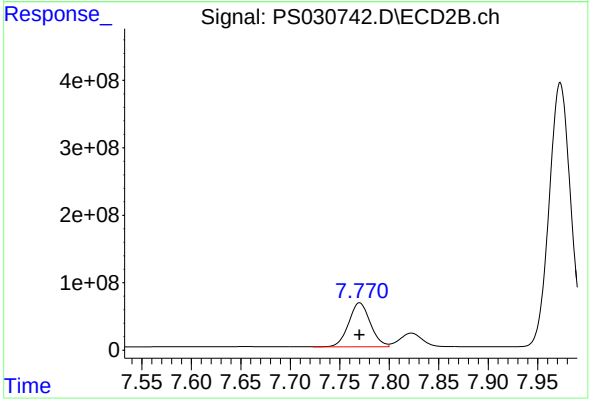
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.000 min
Response: 1506748368
Conc: 886.93 ng/ml



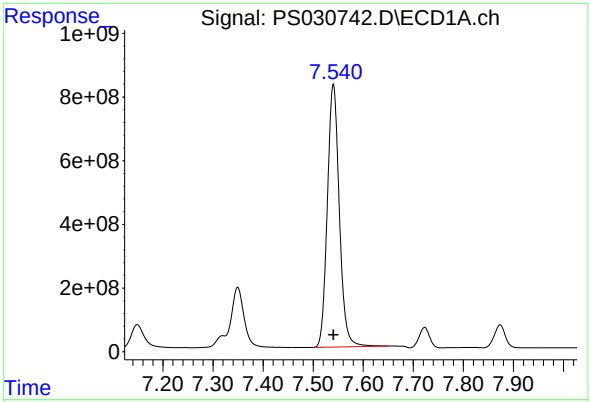
#4 2,4-DCAA

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 3791674794
Conc: 1107.30 ng/ml



#4 2,4-DCAA

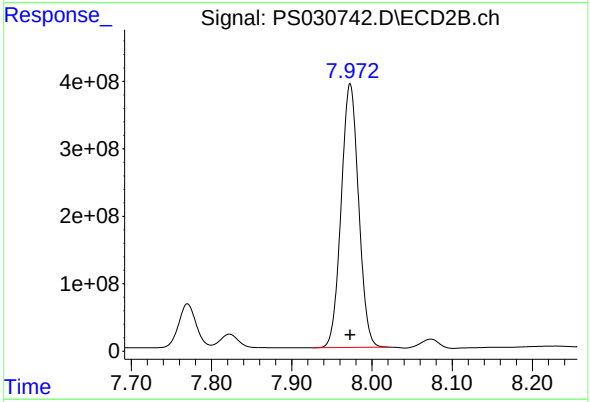
R.T.: 7.770 min
Delta R.T.: 0.000 min
Response: 993038495
Conc: 978.60 ng/ml



#5 DICAMBA

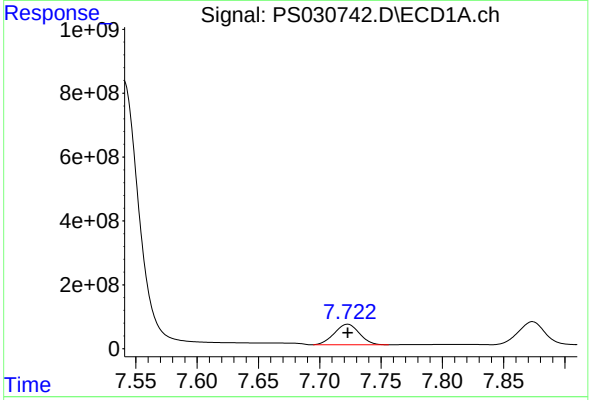
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 13729562665
Conc: 922.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



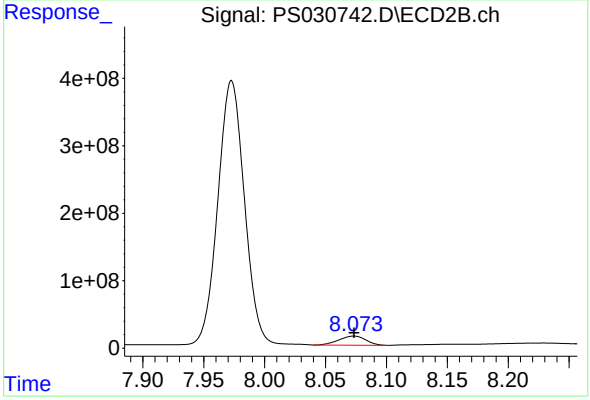
#5 DICAMBA

R.T.: 7.973 min
Delta R.T.: 0.000 min
Response: 5900942386
Conc: 921.49 ng/ml



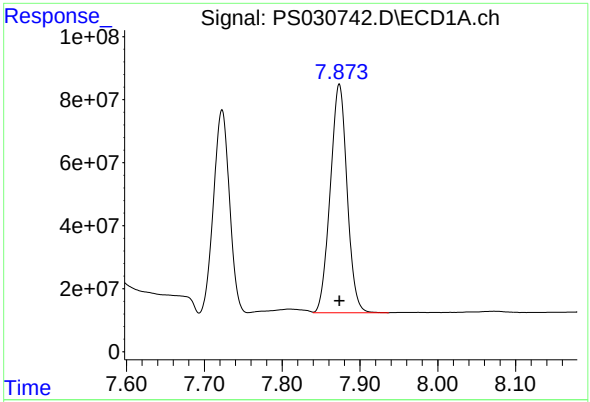
#6 MCPP

R.T.: 7.723 min
Delta R.T.: 0.000 min
Response: 915418187
Conc: 90.76 ug/ml



#6 MCPP

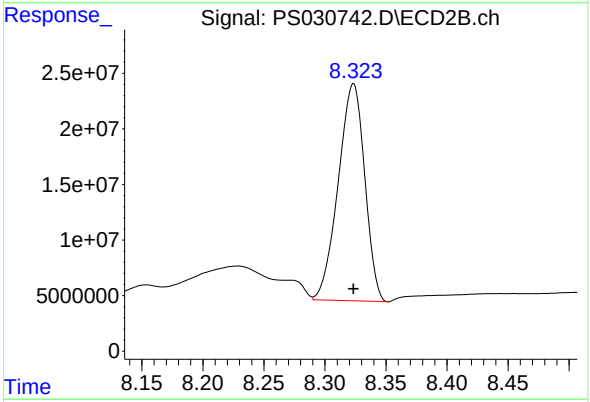
R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 207041769
Conc: 91.80 ug/ml



#7 MCPA

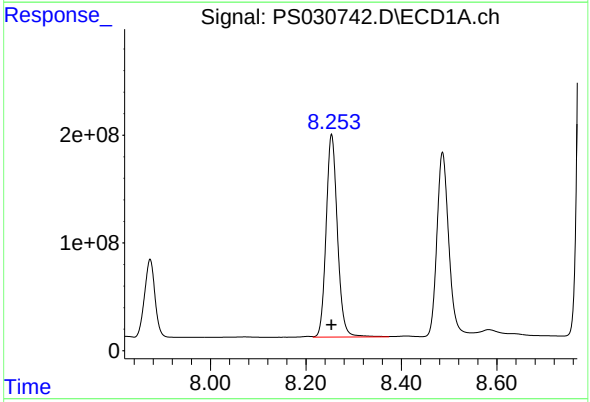
R.T.: 7.873 min
Delta R.T.: 0.000 min
Response: 1089633391
Conc: 89.79 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



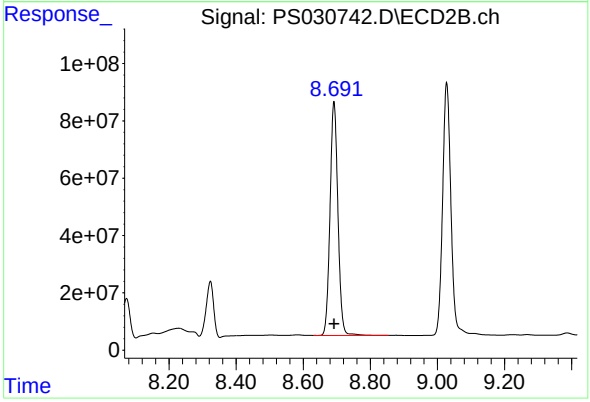
#7 MCPA

R.T.: 8.323 min
Delta R.T.: 0.000 min
Response: 295275447
Conc: 91.28 ug/ml



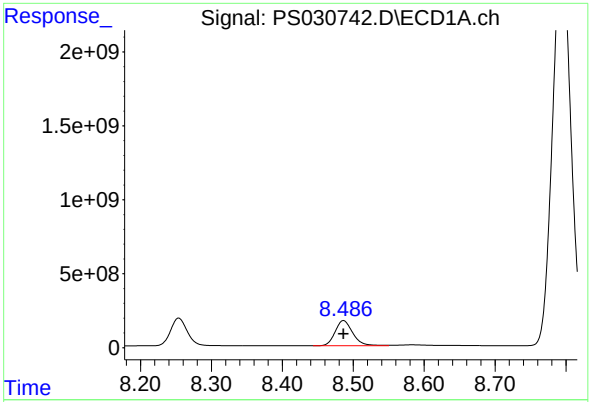
#8 DICHLORPROP

R.T.: 8.254 min
Delta R.T.: 0.000 min
Response: 3084761486
Conc: 916.37 ng/ml



#8 DICHLORPROP

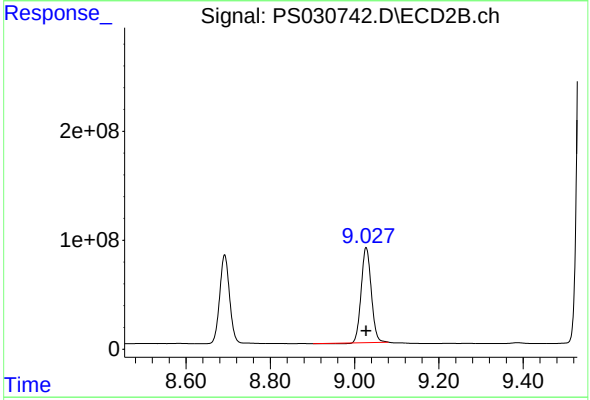
R.T.: 8.692 min
Delta R.T.: 0.000 min
Response: 1328031461
Conc: 923.46 ng/ml



#9 2,4-D

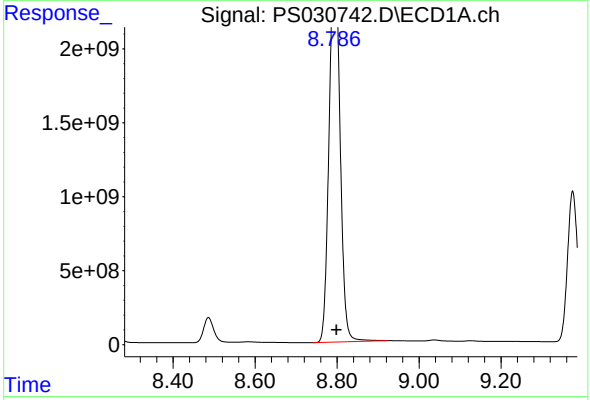
R.T.: 8.486 min
Delta R.T.: 0.000 min
Response: 2961680588
Conc: 916.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



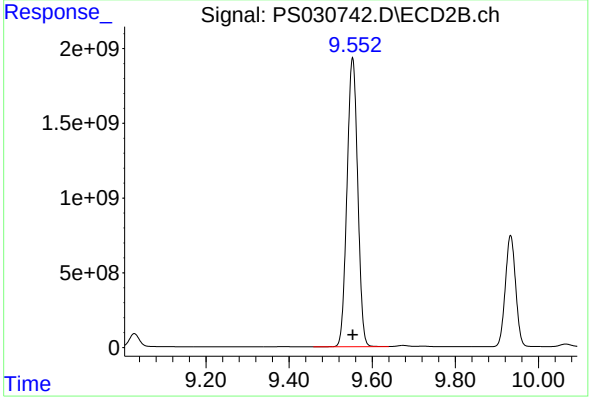
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1432273210
Conc: 915.89 ng/ml



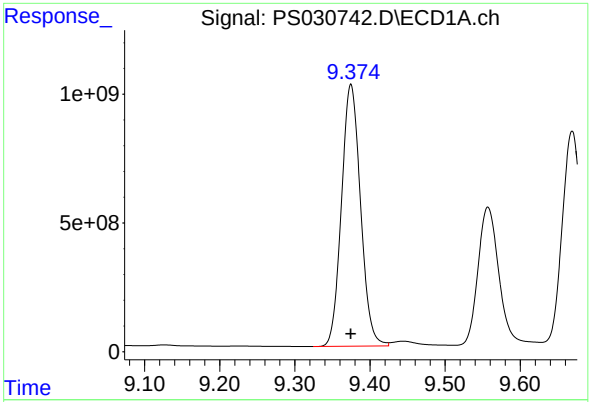
#10 Pentachlorophenol

R.T.: 8.799 min
Delta R.T.: 0.000 min
Response: 44933481418
Conc: 970.27 ng/ml



#10 Pentachlorophenol

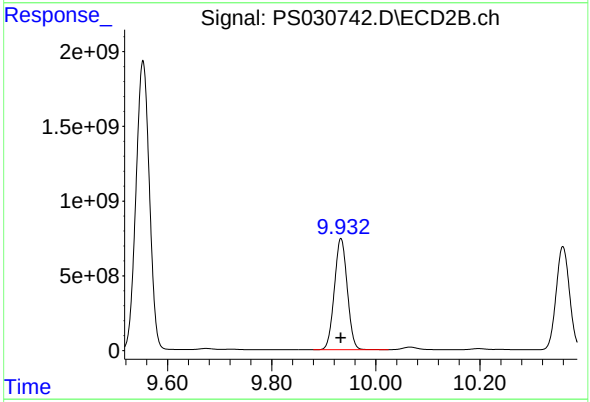
R.T.: 9.553 min
Delta R.T.: 0.000 min
Response: 34544869508
Conc: 964.54 ng/ml



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

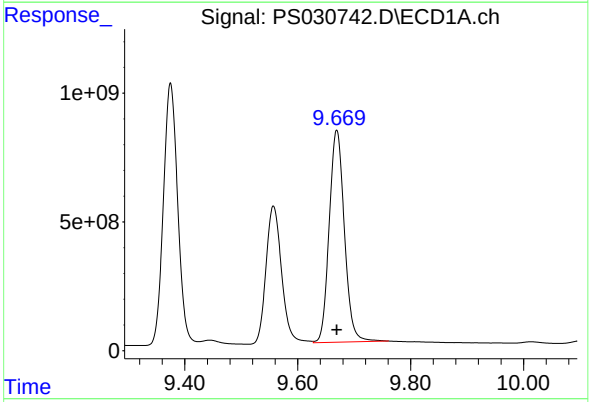
R.T.: 9.375 min
Delta R.T.: 0.000 min
Response: 17920714061
Conc: 930.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



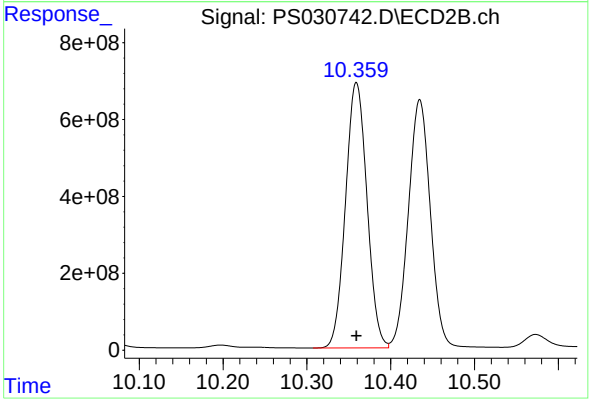
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 12790177185
Conc: 933.38 ng/ml



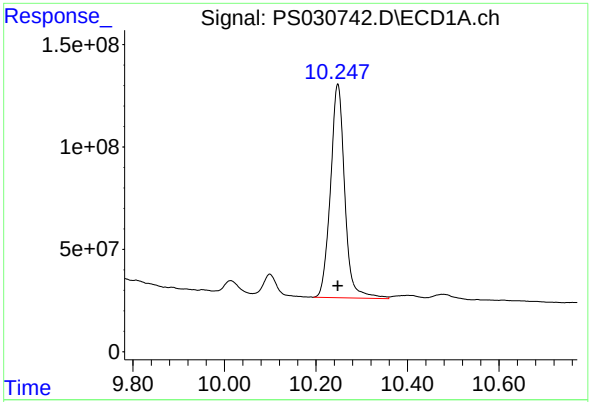
#12 2,4,5-T

R.T.: 9.669 min
Delta R.T.: 0.000 min
Response: 15378543665
Conc: 928.34 ng/ml



#12 2,4,5-T

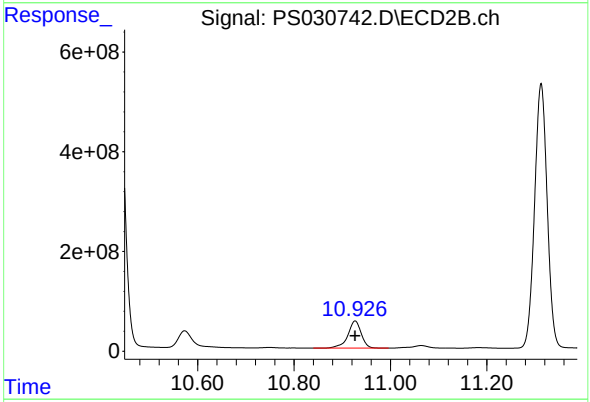
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 12286654526
Conc: 932.90 ng/ml



#13 2,4-DB

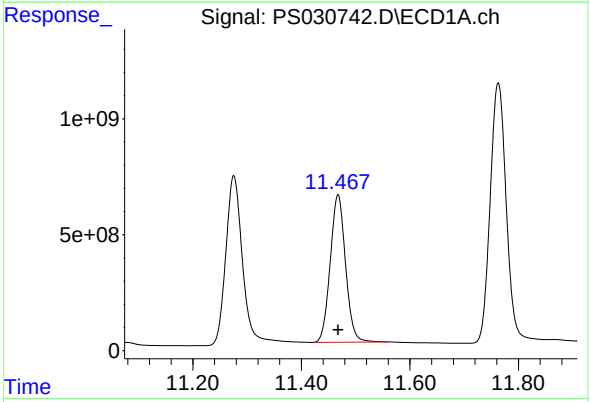
R.T.: 10.248 min
Delta R.T.: 0.000 min
Response: 2257237568
Conc: 919.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



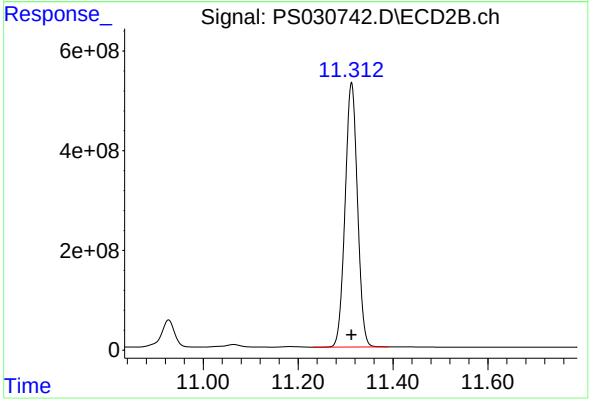
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.000 min
Response: 1053310730
Conc: 932.60 ng/ml



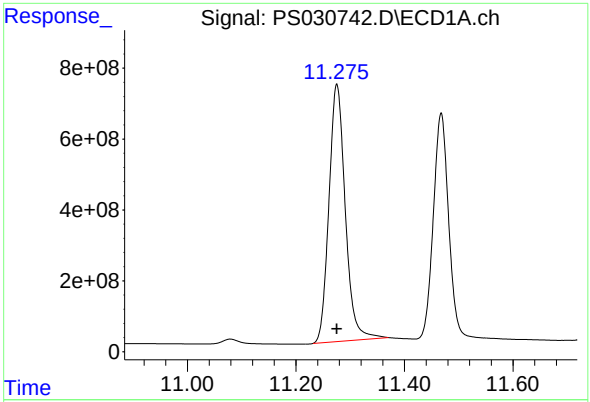
#14 DINOSEB

R.T.: 11.468 min
Delta R.T.: 0.000 min
Response: 12449372177
Conc: 918.84 ng/ml



#14 DINOSEB

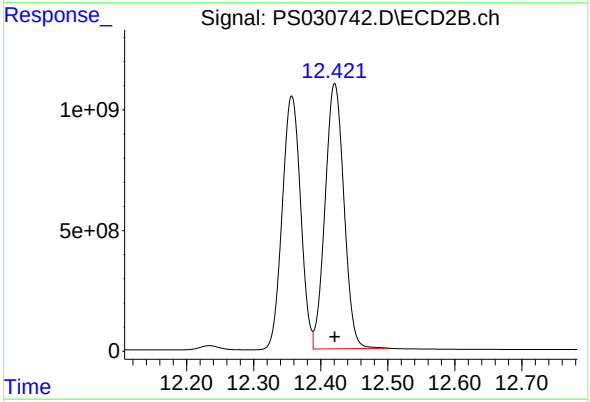
R.T.: 11.313 min
Delta R.T.: 0.000 min
Response: 9605348478
Conc: 921.81 ng/ml



#15 Picloram

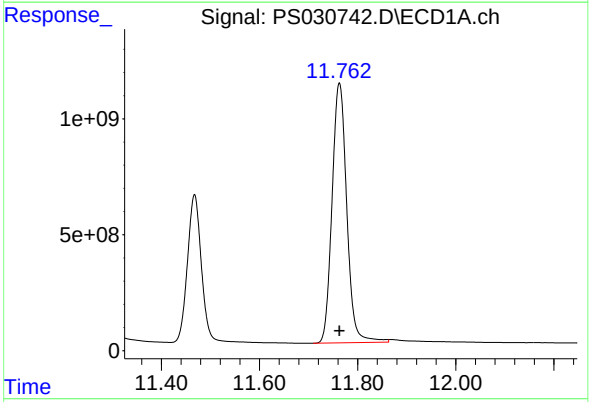
R.T.: 11.275 min
Delta R.T.: 0.000 min
Response: 15192832272
Conc: 916.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



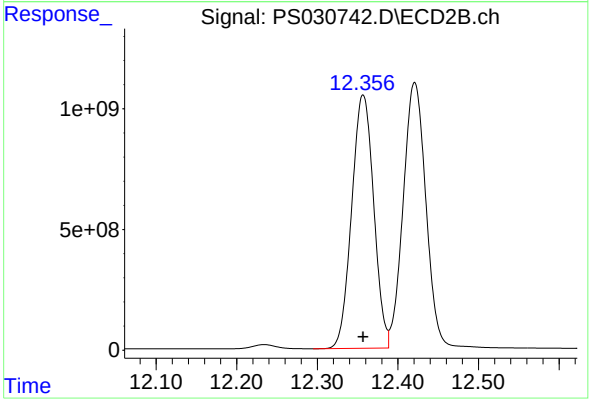
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 21456556552
Conc: 928.35 ng/ml



#16 DCPA

R.T.: 11.763 min
Delta R.T.: 0.000 min
Response: 23325903951
Conc: 946.47 ng/ml



#16 DCPA

R.T.: 12.357 min
Delta R.T.: 0.000 min
Response: 19939441650
Conc: 946.86 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 13:29
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:50:13 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	7.350	7.768	5067.1E6	1423.1E6	1373.108	1327.583
		Target Compounds						
1)	T	Dalapon	2.708	2.707	7057.1E6	3212.8E6	1238.824	1171.806
2)	T	3,5-DICHL...	6.509	6.713	6482.8E6	2001.5E6	1205.529	1240.719
3)	T	4-Nitroph...	7.149	7.299	1960.3E6	2216.2E6	1243.237	1278.444
5)	T	DICAMBA	7.540	7.971	17370.1E6	8409.2E6	1141.638	1283.215
6)	T	MCPP	7.727	8.076	1357.6E6	277.5E6	144.610	132.298
7)	T	MCPA	7.878	8.325	1663.5E6	431.1E6	141.809	137.032
8)	T	DICHLORPROP	8.254	8.690	5064.4E6	2161.7E6	1352.041	1374.694
9)	T	2,4-D	8.487	9.026	4934.4E6	2416.0E6	1432.593	1421.668
10)	T	Pentachlo...	8.805	9.553	58525.2E6	45248.4E6	1113.994	1186.933
11)	T	2,4,5-TP ...	9.377	9.932	26551.1E6	18758.2E6	1325.538	1300.061
12)	T	2,4,5-T	9.670	10.358	21818.2E6	17137.2E6	1326.082	1254.129
13)	T	2,4-DB	10.250	10.925	2621.2E6	1524.0E6	1142.883	1288.354
14)	T	DINOSEB	11.468	11.311	18321.9E6	14096.3E6	1320.671	1307.487
15)	T	Picloram	11.276	12.419	23276.8E6	31814.5E6	1447.914	1368.873
16)	T	DCPA	11.765	12.356	32738.8E6	27988.3E6	1278.048	1269.724

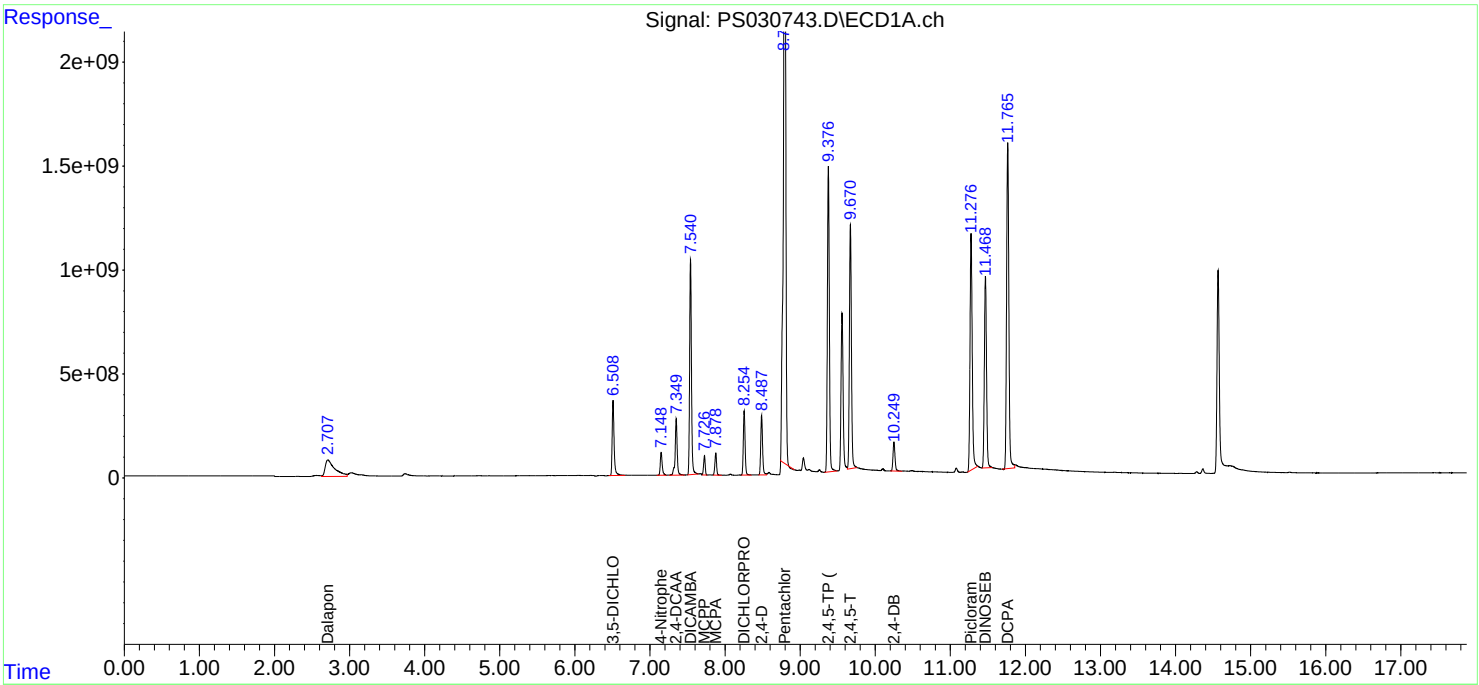
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

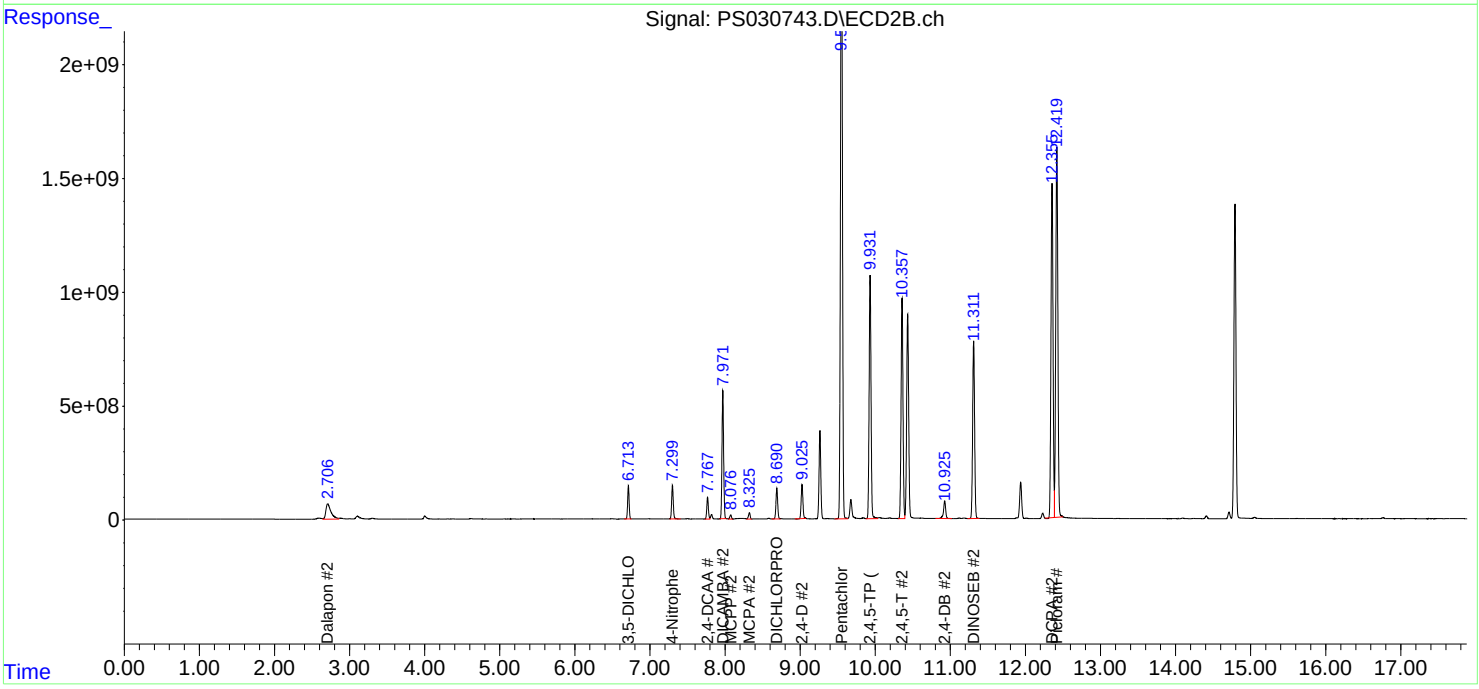
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 13:29
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

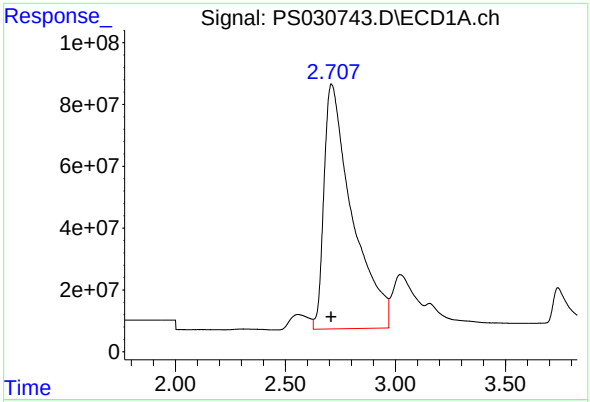
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:50:13 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



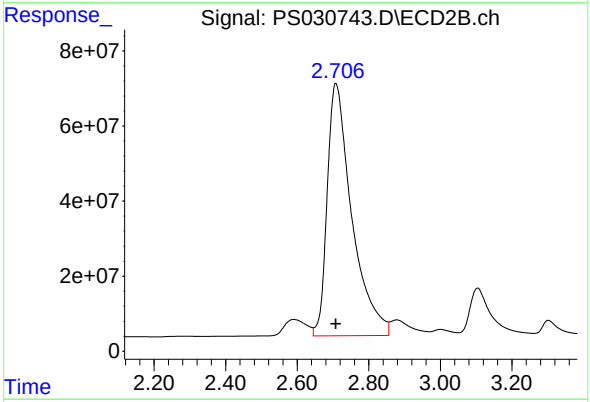




#1 Dalapon

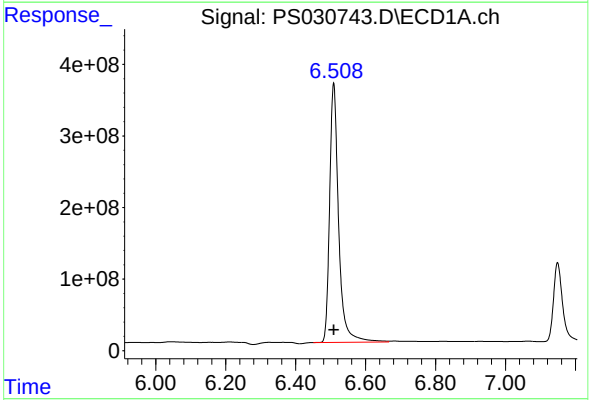
R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 7057136388
Conc: 1238.82 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



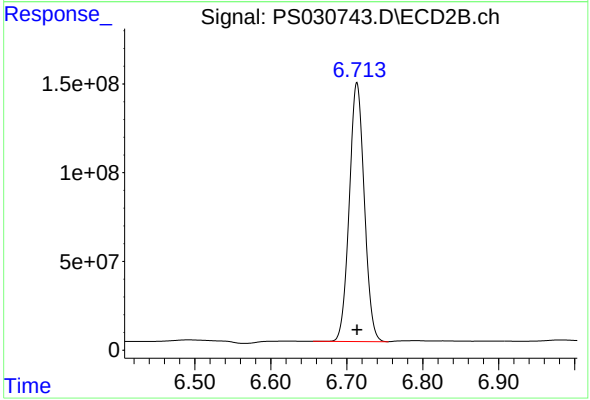
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: 0.000 min
Response: 3212790048
Conc: 1171.81 ng/ml



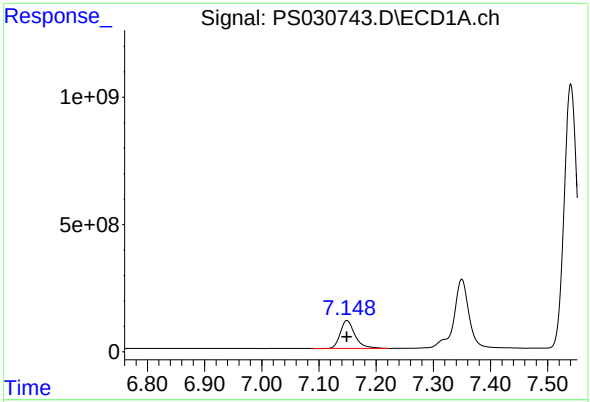
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.509 min
Delta R.T.: 0.000 min
Response: 6482795096
Conc: 1205.53 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

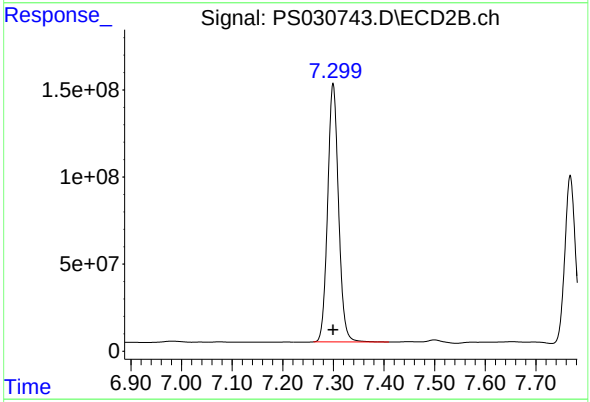
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 2001466518
Conc: 1240.72 ng/ml



#3 4-Nitrophenol

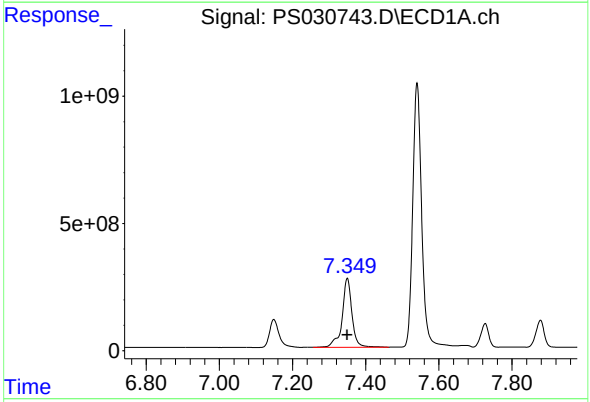
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 1960296082
Conc: 1243.24 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



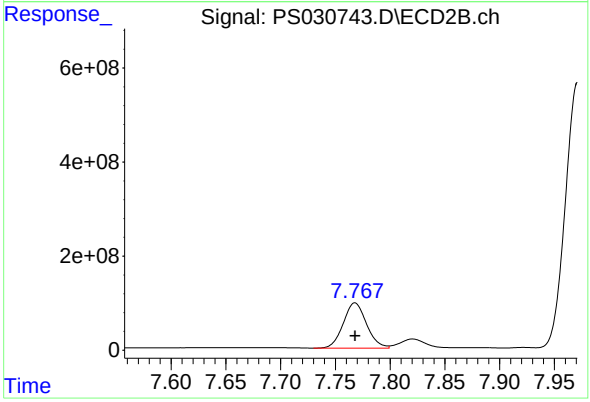
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 2216227681
Conc: 1278.44 ng/ml



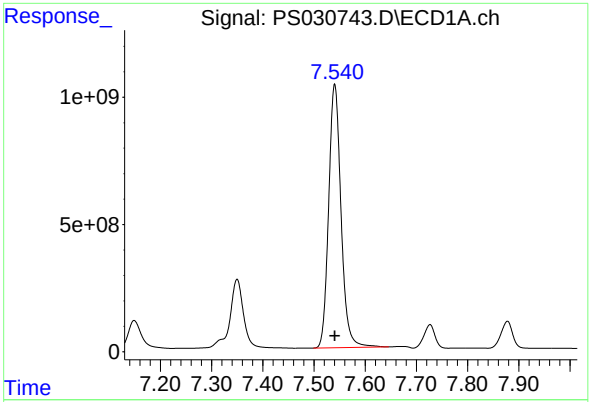
#4 2,4-DCAA

R.T.: 7.350 min
Delta R.T.: 0.000 min
Response: 5067131351
Conc: 1373.11 ng/ml



#4 2,4-DCAA

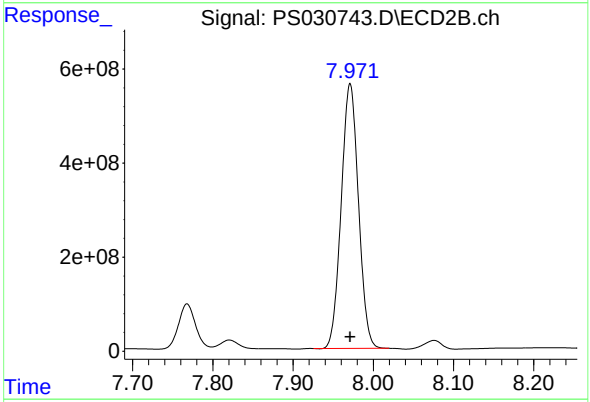
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 1423121071
Conc: 1327.58 ng/ml



#5 DICAMBA

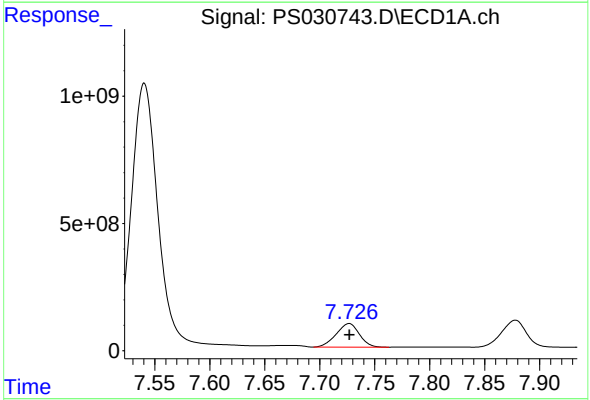
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 17370132502
Conc: 1141.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



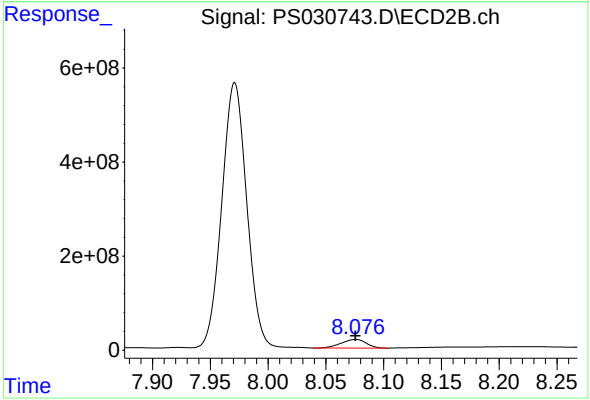
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 8409181413
Conc: 1283.21 ng/ml



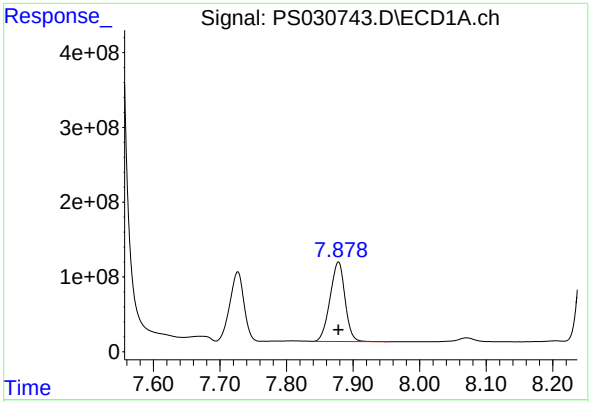
#6 MCPP

R.T.: 7.727 min
Delta R.T.: 0.000 min
Response: 1357647586
Conc: 144.61 ug/ml



#6 MCPP

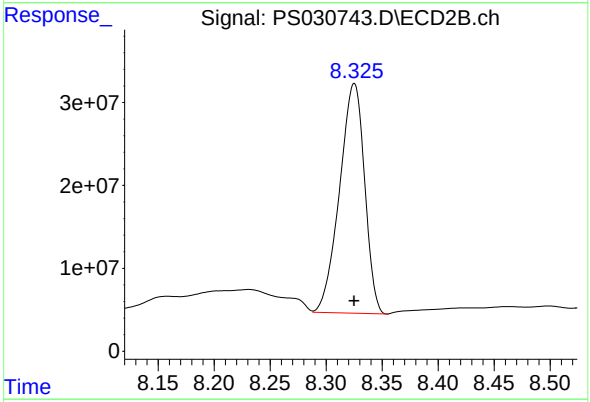
R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 277470300
Conc: 132.30 ug/ml



#7 MCPA

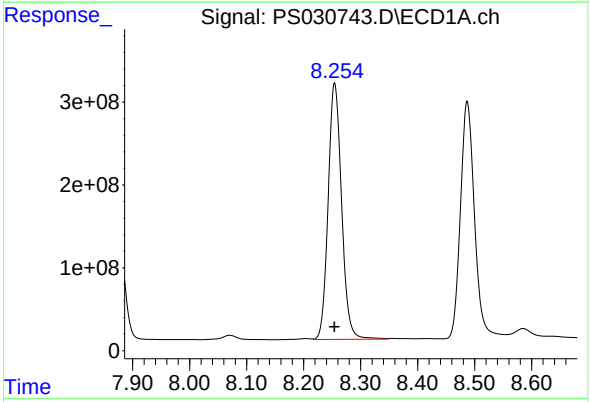
R.T.: 7.878 min
Delta R.T.: 0.000 min
Response: 1663503511
Conc: 141.81 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



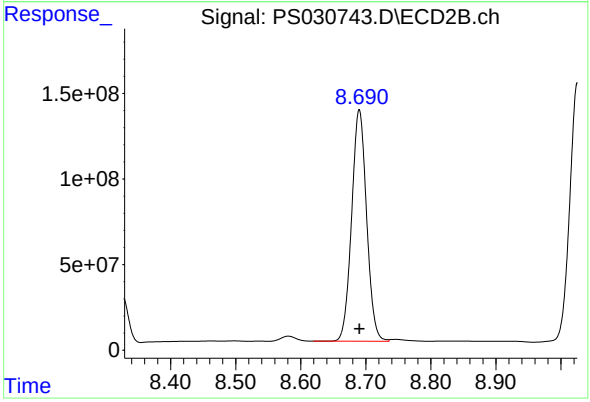
#7 MCPA

R.T.: 8.325 min
Delta R.T.: 0.000 min
Response: 431066075
Conc: 137.03 ug/ml



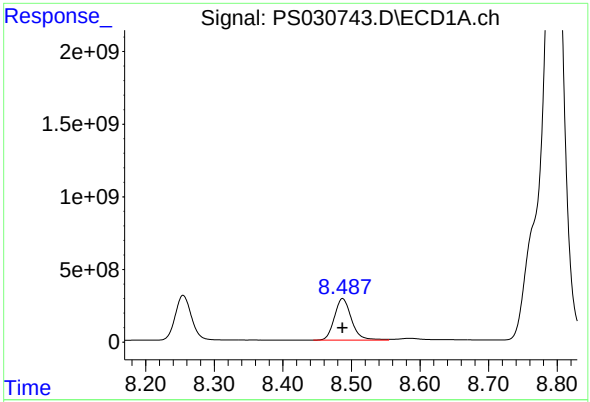
#8 DICHLORPROP

R.T.: 8.254 min
Delta R.T.: 0.000 min
Response: 5064429025
Conc: 1352.04 ng/ml



#8 DICHLORPROP

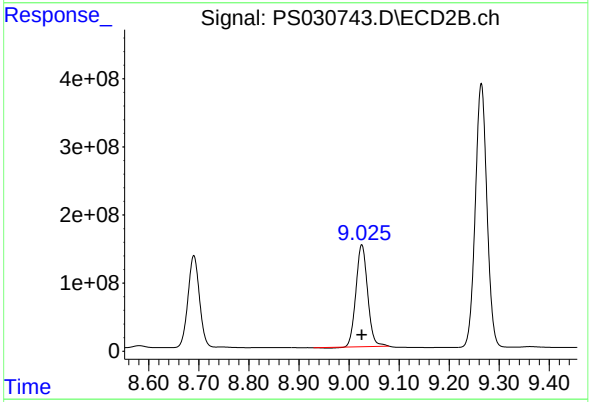
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 2161699815
Conc: 1374.69 ng/ml



#9 2,4-D

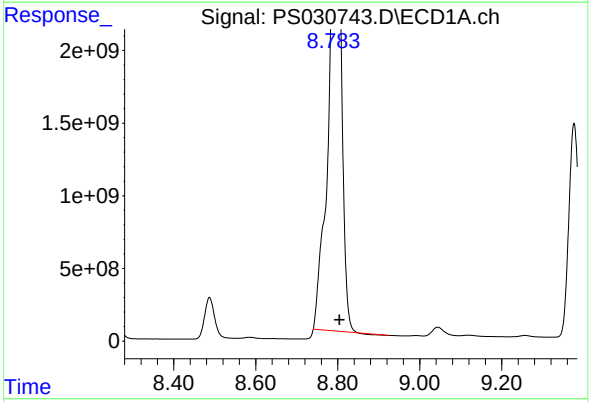
R.T.: 8.487 min
Delta R.T.: 0.000 min
Response: 4934439813
Conc: 1432.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



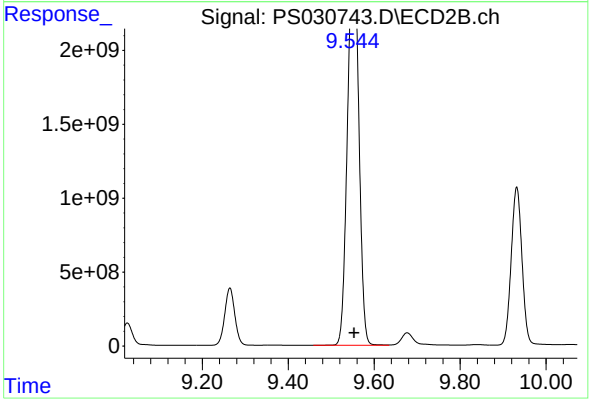
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 2415990251
Conc: 1421.67 ng/ml



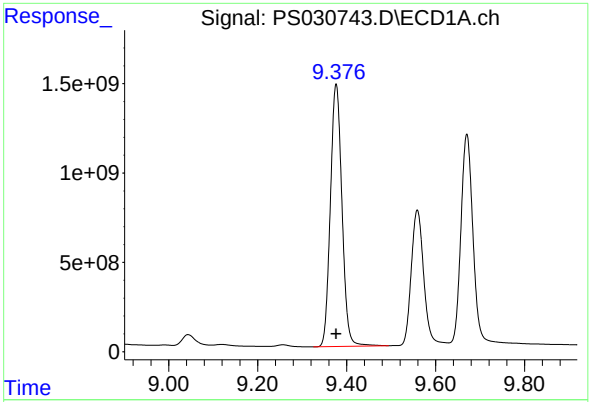
#10 Pentachlorophenol

R.T.: 8.805 min
Delta R.T.: 0.000 min
Response: 58525180902
Conc: 1113.99 ng/ml



#10 Pentachlorophenol

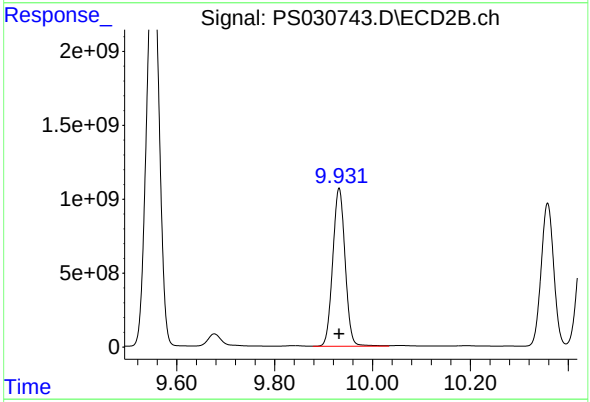
R.T.: 9.553 min
Delta R.T.: 0.000 min
Response: 45248357804
Conc: 1186.93 ng/ml



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

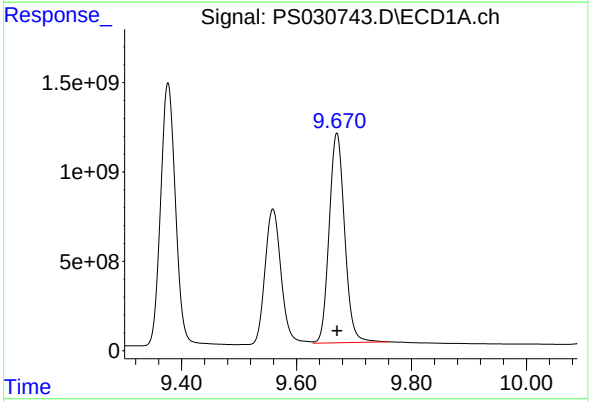
R.T.: 9.377 min
Delta R.T.: 0.000 min
Response: 26551071592
Conc: 1325.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



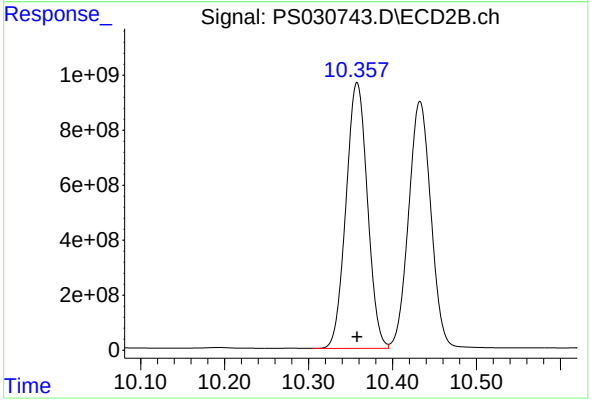
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 18758195654
Conc: 1300.06 ng/ml



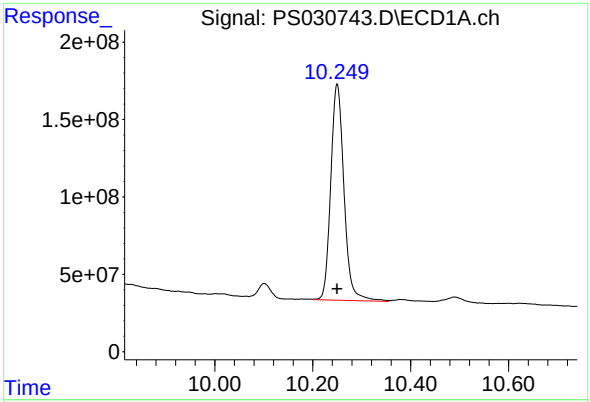
#12 2,4,5-T

R.T.: 9.670 min
Delta R.T.: 0.000 min
Response: 21818222628
Conc: 1326.08 ng/ml



#12 2,4,5-T

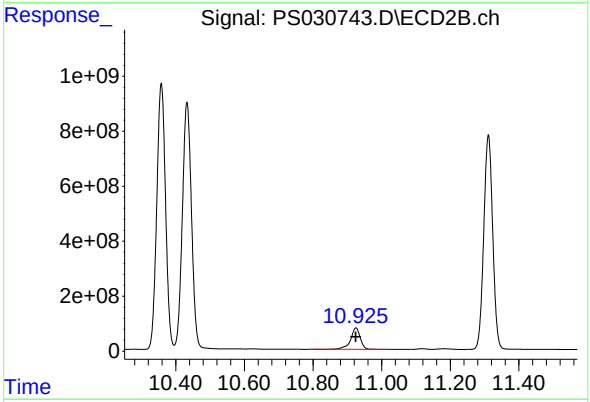
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 17137207861
Conc: 1254.13 ng/ml



#13 2,4-DB

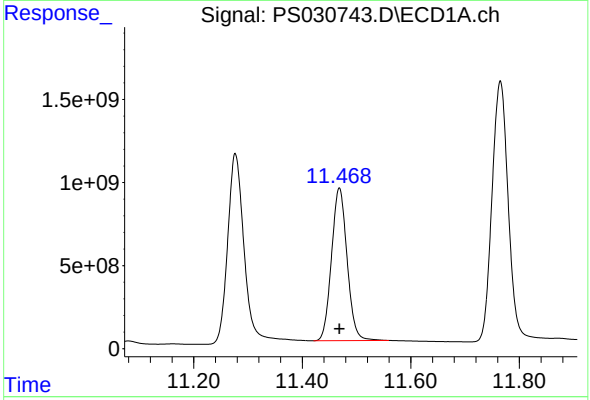
R.T.: 10.250 min
Delta R.T.: 0.000 min
Response: 2621204458
Conc: 1142.88 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



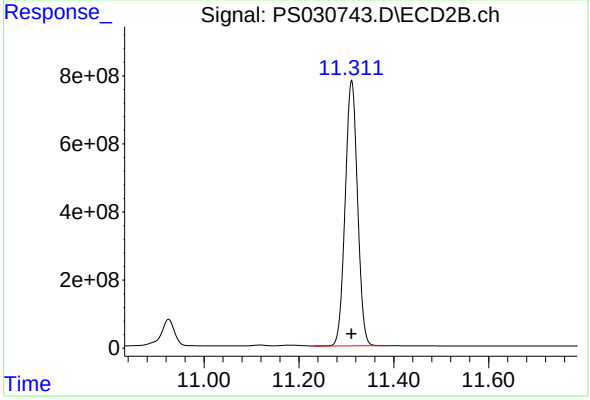
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 1523998169
Conc: 1288.35 ng/ml



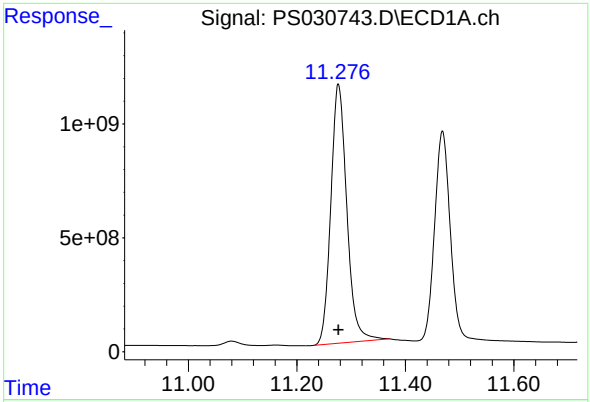
#14 DINOSEB

R.T.: 11.468 min
Delta R.T.: 0.000 min
Response: 18321917167
Conc: 1320.67 ng/ml



#14 DINOSEB

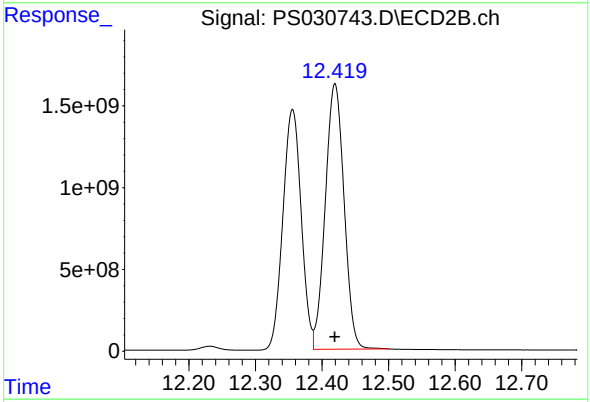
R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 14096341982
Conc: 1307.49 ng/ml



#15 Picloram

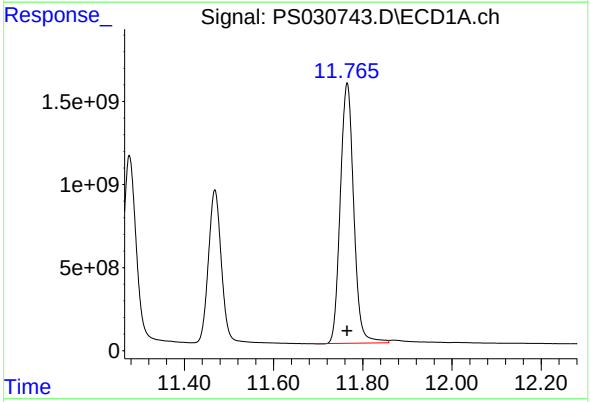
R.T.: 11.276 min
Delta R.T.: 0.000 min
Response: 23276825509
Conc: 1447.91 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



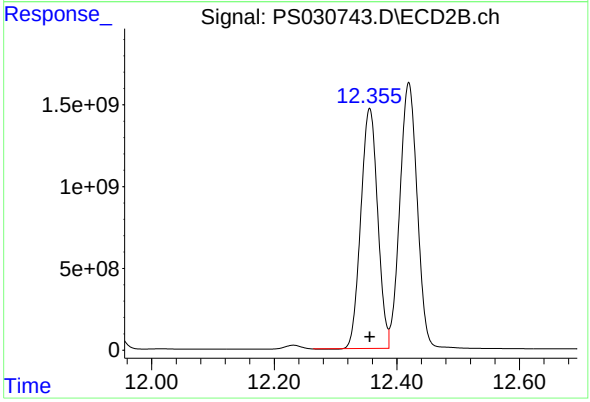
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 31814547037
Conc: 1368.87 ng/ml



#16 DCPA

R.T.: 11.765 min
Delta R.T.: 0.000 min
Response: 32738797312
Conc: 1278.05 ng/ml



#16 DCPA

R.T.: 12.356 min
Delta R.T.: 0.000 min
Response: 27988260472
Conc: 1269.72 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 14:18
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS061825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 14:34:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:52:27 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	7.349	7.770	3007.9E6	781.4E6	818.607	728.902
	Target Compounds						
1) T	Dalapon	2.710	2.710	4056.7E6	1841.2E6	712.123	671.536
2) T	3,5-DICHL...	6.508	6.715	3653.0E6	1096.7E6	679.304	679.863
3) T	4-Nitroph...	7.149	7.302	1067.2E6	1168.5E6	676.796	674.057
5) T	DICAMBA	7.539	7.972	10807.3E6	4588.7E6	710.304	700.216
6) T	MCPP	7.721	8.072	688.5E6	156.4E6	73.332	74.580
7) T	MCPA	7.871	8.321	828.7E6	223.9E6	70.648	71.187
8) T	DICHLORPROP	8.253	8.691	2460.1E6	1042.7E6	656.766	663.094
9) T	2,4-D	8.486	9.027	2352.8E6	1124.1E6	683.086	661.445
10) T	Pentachlo...	8.794	9.552	38388.3E6	27302.7E6	725.329	716.192
11) T	2,4,5-TP ...	9.375	9.934	14291.4E6	10089.0E6	713.485	699.233
12) T	2,4,5-T	9.669	10.359	12186.1E6	9656.1E6	740.654	706.651
13) T	2,4-DB	10.248	10.927	1788.9E6	824.5E6	779.995	697.026
14) T	DINOSEB	11.467	11.312	9884.9E6	7472.6E6	712.518	693.112
15) T	Picloram	11.276	12.421	11908.4E6	16569.9E6	740.750	712.948
16) T	DCPA	11.763	12.357	18641.3E6	15691.5E6	727.713	711.865

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

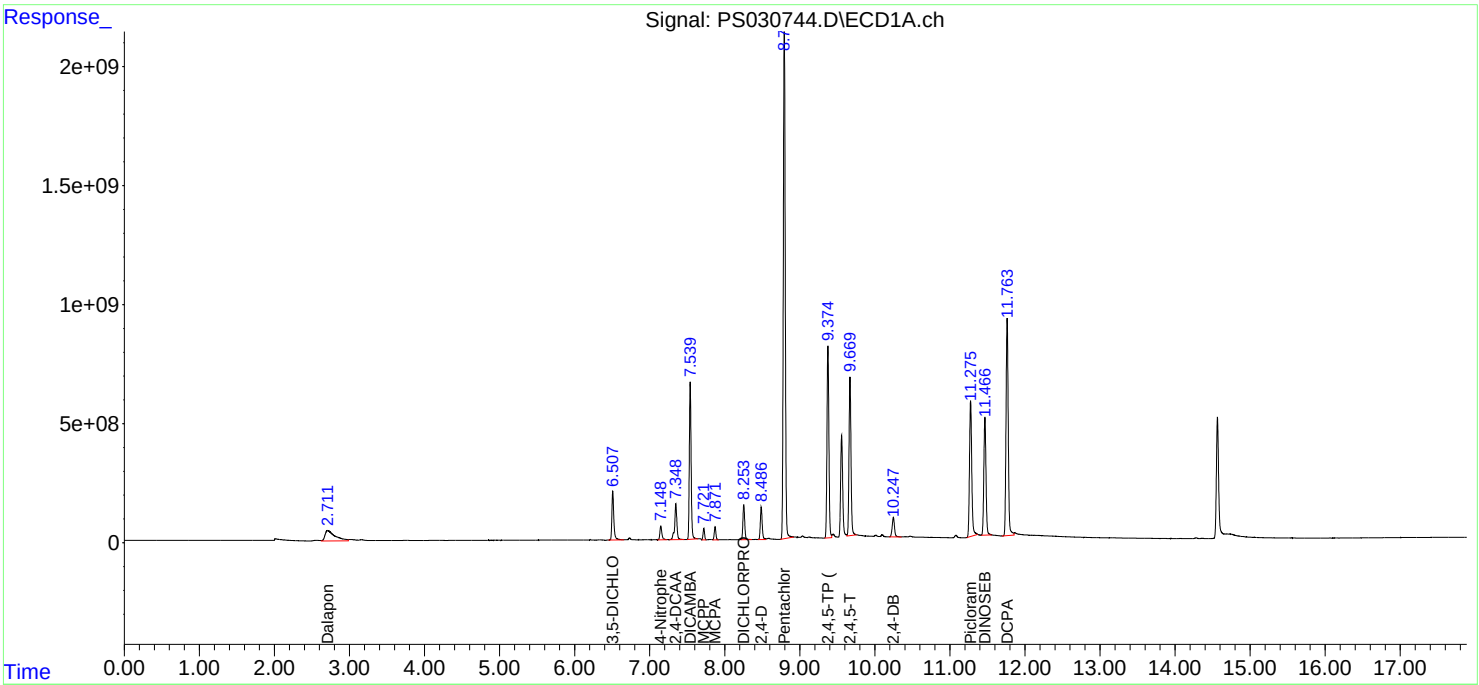
Quantitation Report (Not Reviewed)

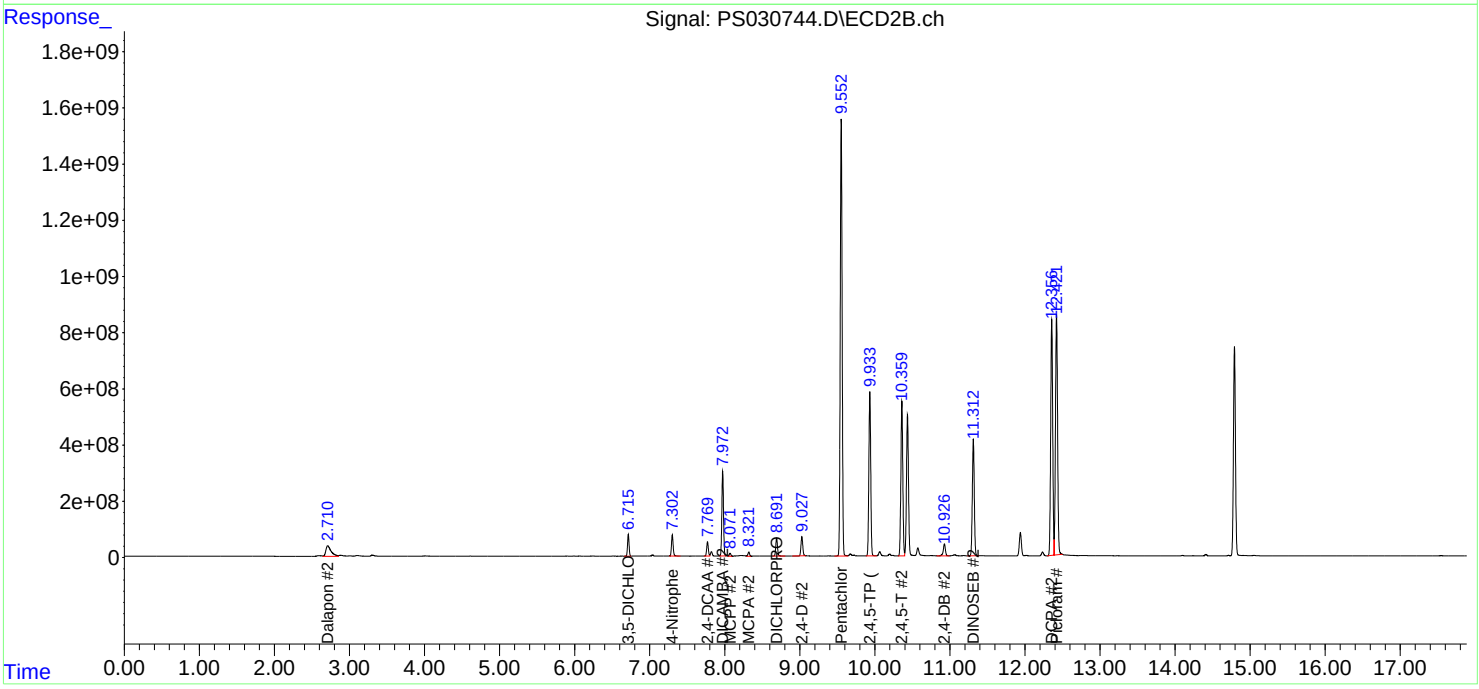
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 14:18
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

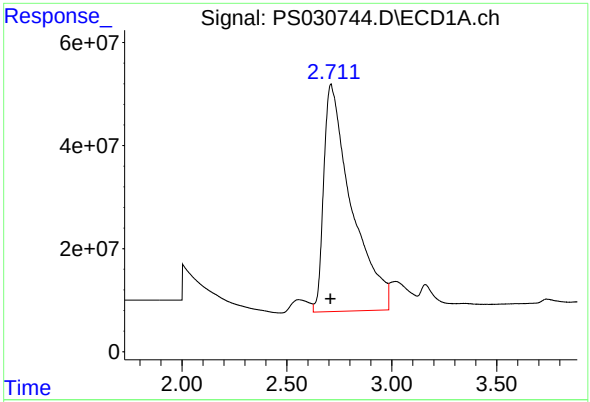
Instrument :
ECD_S
ClientSampleId :
ICVPS061825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 14:34:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:52:27 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 0.25µm



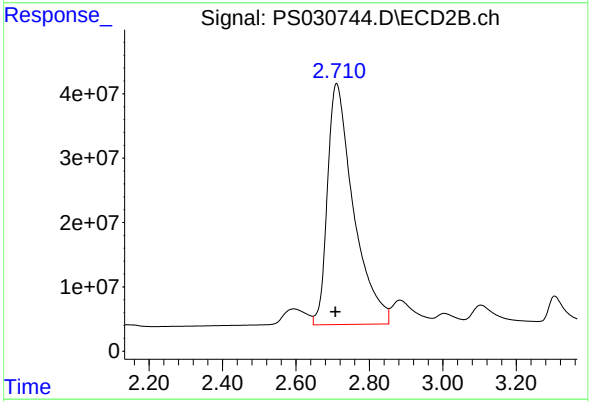




#1 Dalapon

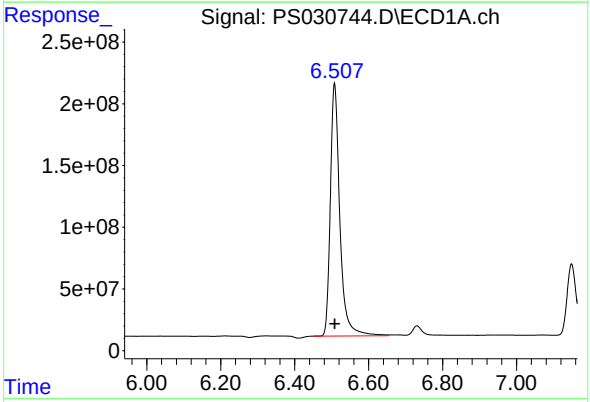
R.T.: 2.710 min
Delta R.T.: 0.002 min
Response: 4056705796
Conc: 712.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825



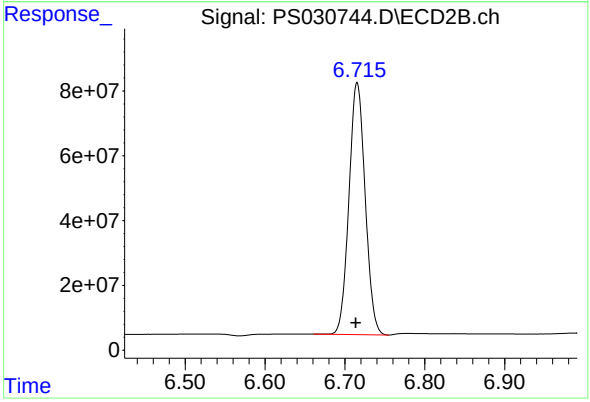
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.003 min
Response: 1841179062
Conc: 671.54 ng/ml



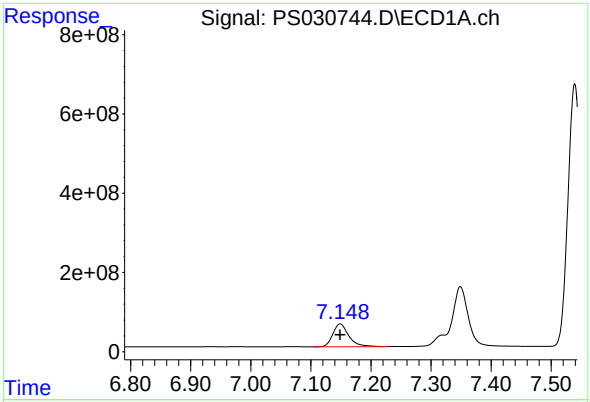
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: -0.001 min
Response: 3652993931
Conc: 679.30 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

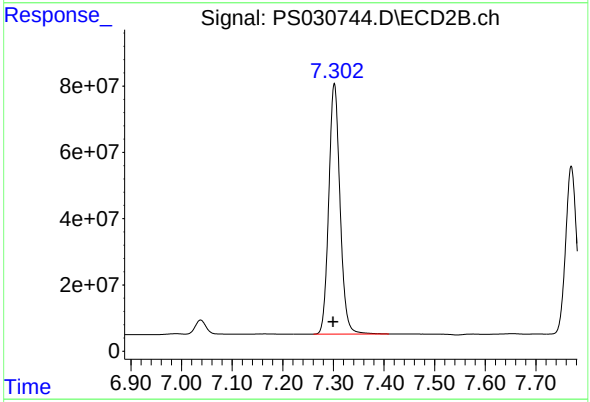
R.T.: 6.715 min
Delta R.T.: 0.002 min
Response: 1096720252
Conc: 679.86 ng/ml



#3 4-Nitrophenol

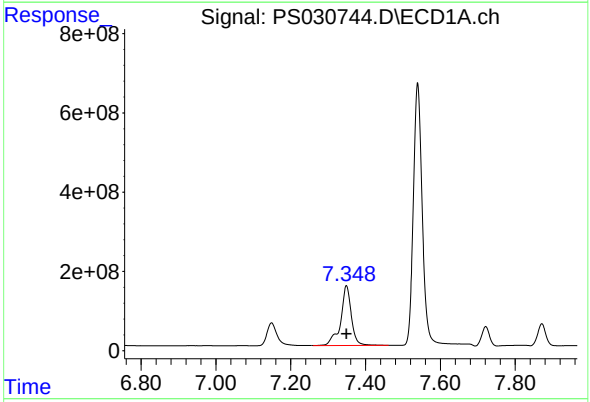
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 1067150163
Conc: 676.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825



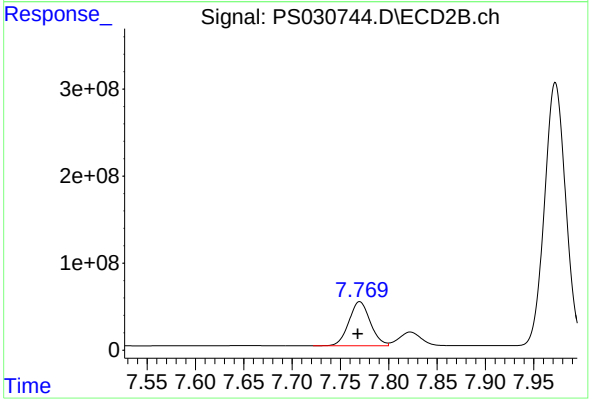
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.003 min
Response: 1168501806
Conc: 674.06 ng/ml



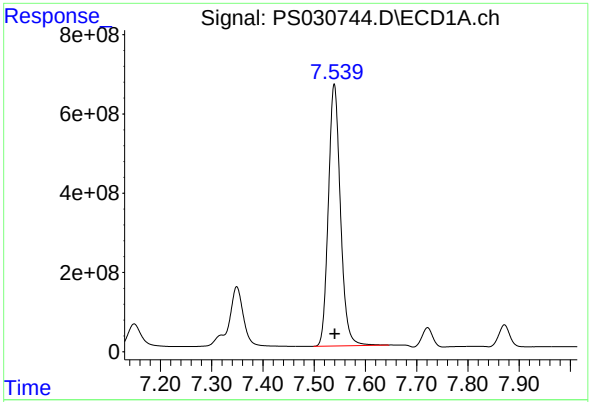
#4 2,4-DCAA

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 3007884717
Conc: 818.61 ng/ml



#4 2,4-DCAA

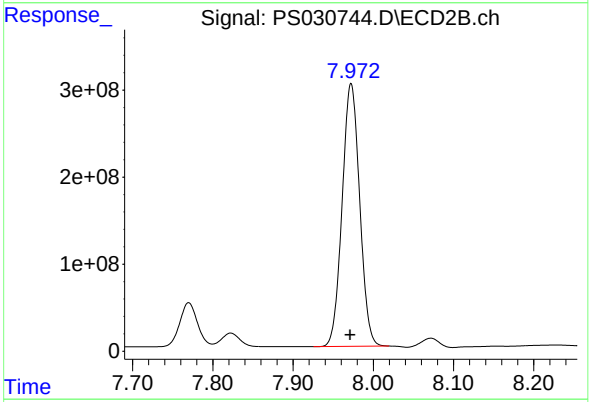
R.T.: 7.770 min
Delta R.T.: 0.002 min
Response: 781356298
Conc: 728.90 ng/ml



#5 DICAMBA

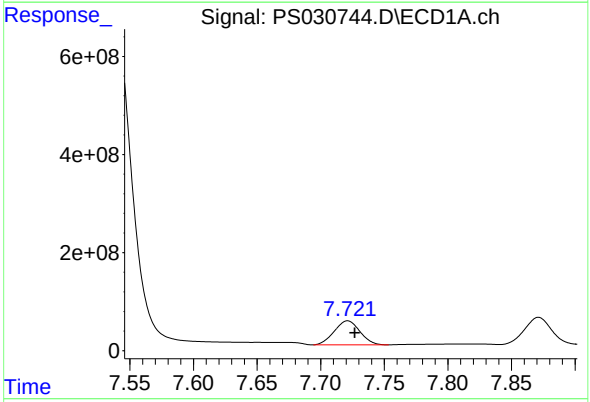
R.T.: 7.539 min
Delta R.T.: -0.001 min
Response: 10807342151
Conc: 710.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825



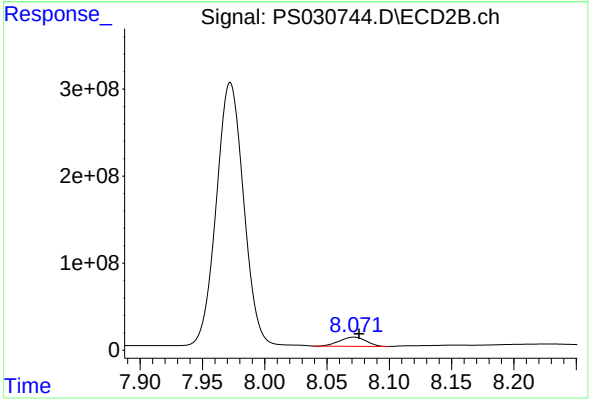
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.001 min
Response: 4588662787
Conc: 700.22 ng/ml



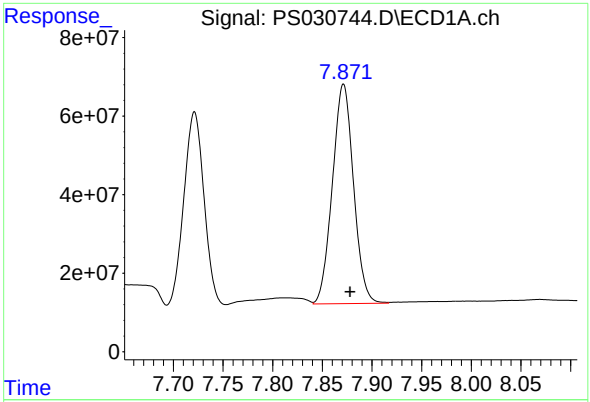
#6 MCPP

R.T.: 7.721 min
Delta R.T.: -0.006 min
Response: 688462555
Conc: 73.33 ug/ml



#6 MCPP

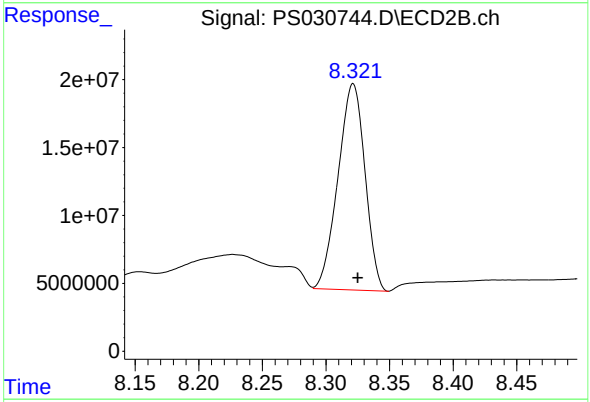
R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 156416874
Conc: 74.58 ug/ml



#7 MCPA

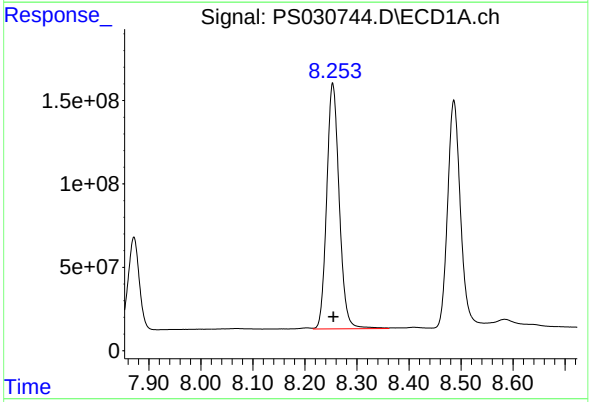
R.T.: 7.871 min
Delta R.T.: -0.007 min
Response: 828741336
Conc: 70.65 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825



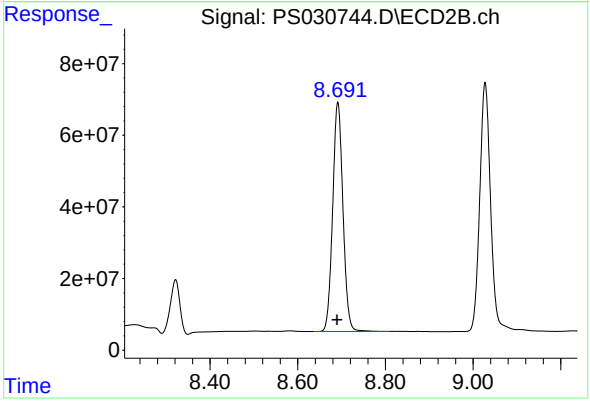
#7 MCPA

R.T.: 8.321 min
Delta R.T.: -0.004 min
Response: 223936789
Conc: 71.19 ug/ml



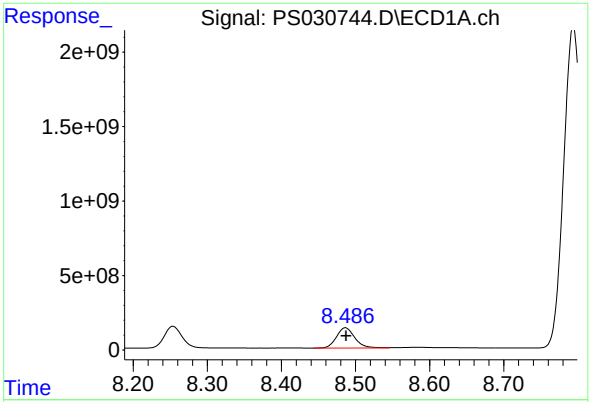
#8 DICHLORPROP

R.T.: 8.253 min
Delta R.T.: 0.000 min
Response: 2460091621
Conc: 656.77 ng/ml



#8 DICHLORPROP

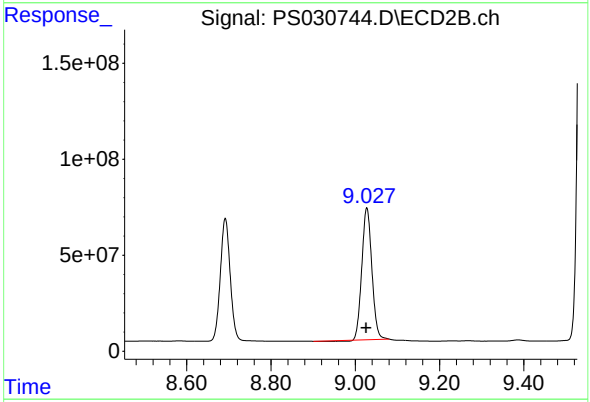
R.T.: 8.691 min
Delta R.T.: 0.001 min
Response: 1042712551
Conc: 663.09 ng/ml



#9 2,4-D

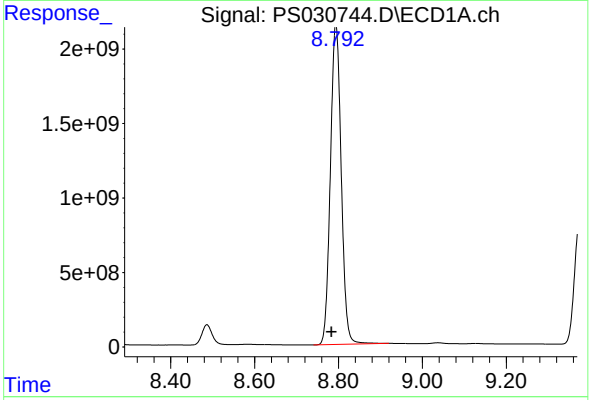
R.T.: 8.486 min
Delta R.T.: 0.000 min
Response: 2352830084
Conc: 683.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825



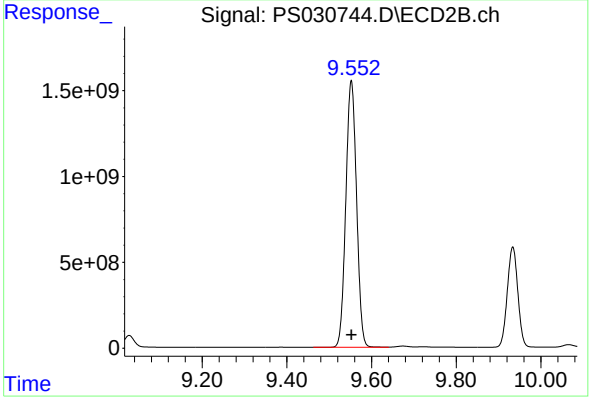
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.002 min
Response: 1124062487
Conc: 661.44 ng/ml



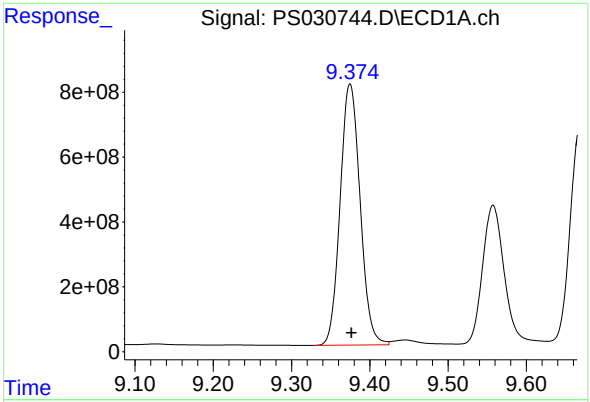
#10 Pentachlorophenol

R.T.: 8.794 min
Delta R.T.: 0.011 min
Response: 38388332733
Conc: 725.33 ng/ml



#10 Pentachlorophenol

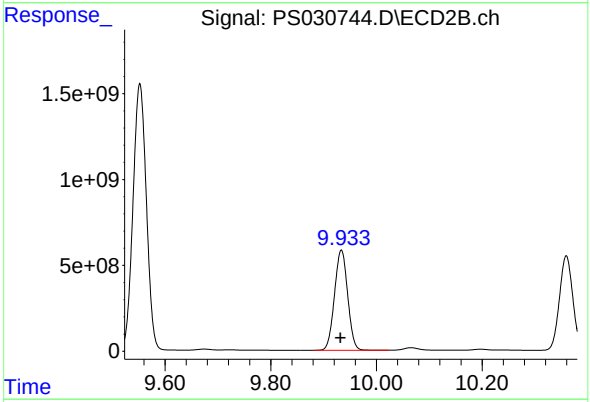
R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 27302745086
Conc: 716.19 ng/ml



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

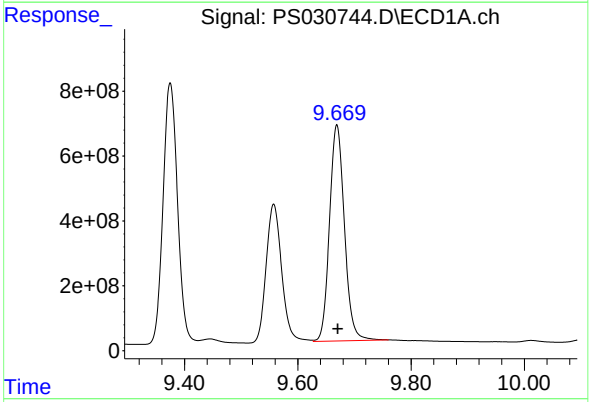
R.T.: 9.375 min
Delta R.T.: -0.002 min
Response: 14291401500
Conc: 713.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825



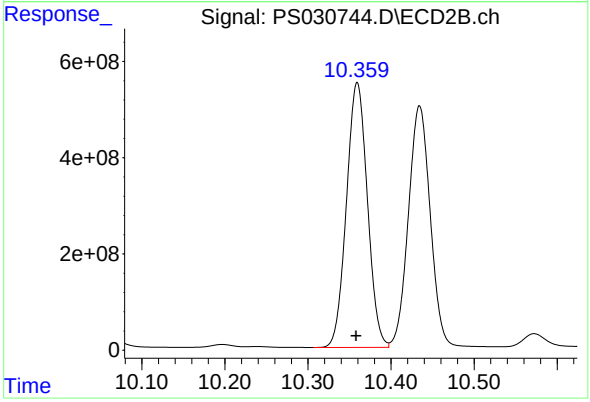
#11 2,4,5-TP (SILVEX)

R.T.: 9.934 min
Delta R.T.: 0.002 min
Response: 10089023893
Conc: 699.23 ng/ml



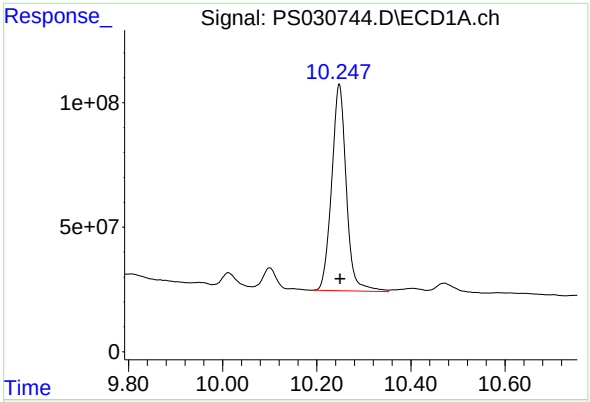
#12 2,4,5-T

R.T.: 9.669 min
Delta R.T.: -0.001 min
Response: 12186092877
Conc: 740.65 ng/ml



#12 2,4,5-T

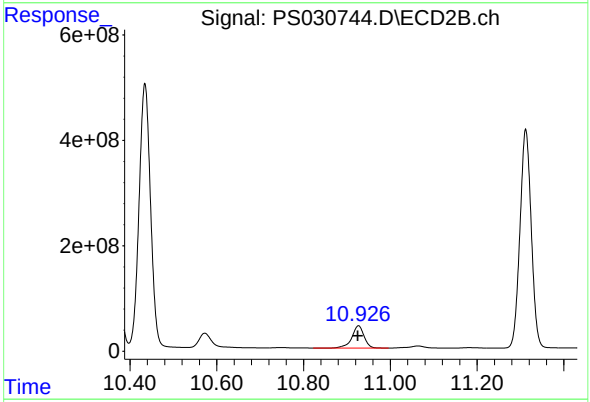
R.T.: 10.359 min
Delta R.T.: 0.002 min
Response: 9656126345
Conc: 706.65 ng/ml



#13 2,4-DB

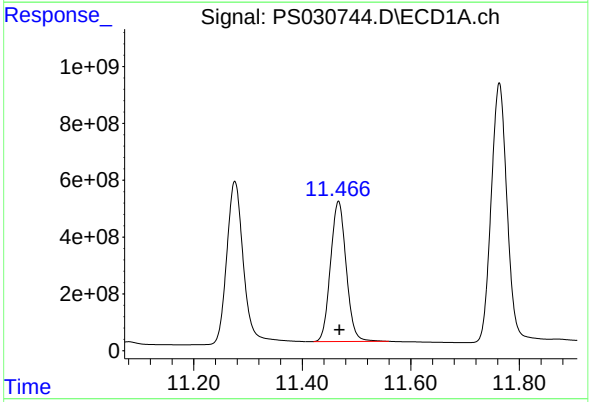
R.T.: 10.248 min
Delta R.T.: -0.002 min
Response: 1788920802
Conc: 780.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825



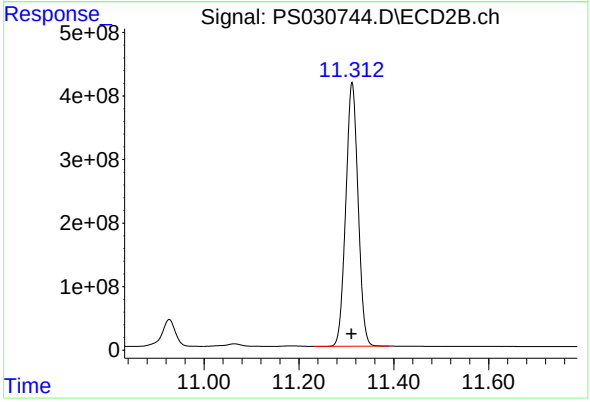
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.002 min
Response: 824513963
Conc: 697.03 ng/ml



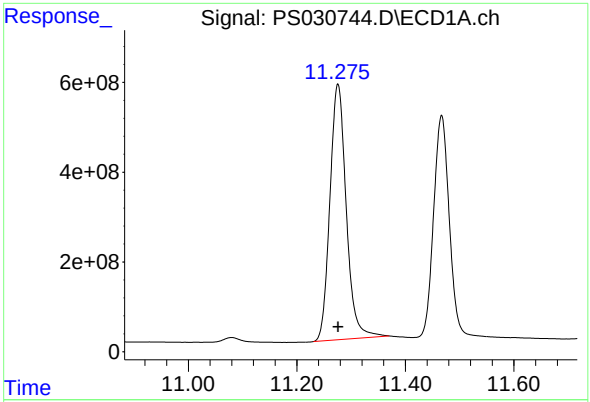
#14 DINOSEB

R.T.: 11.467 min
Delta R.T.: -0.002 min
Response: 9884896443
Conc: 712.52 ng/ml



#14 DINOSEB

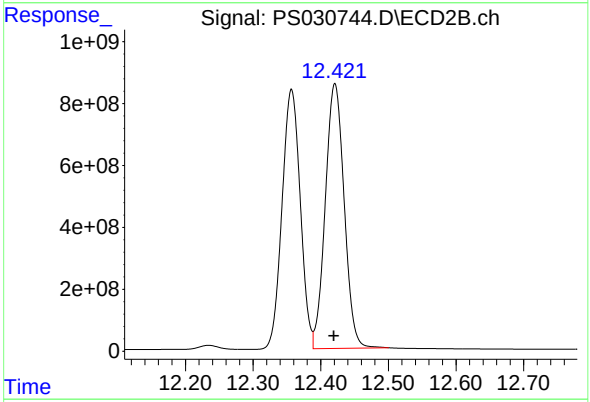
R.T.: 11.312 min
Delta R.T.: 0.001 min
Response: 7472608497
Conc: 693.11 ng/ml



#15 Picloram

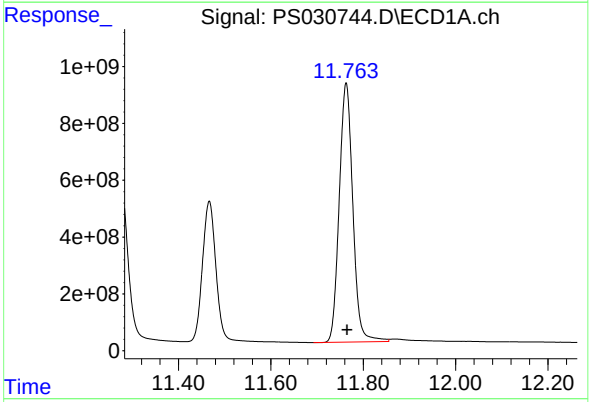
R.T.: 11.276 min
Delta R.T.: 0.000 min
Response: 11908385467
Conc: 740.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS061825



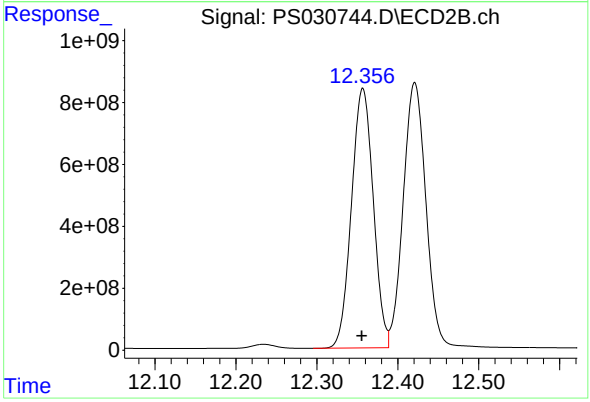
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.002 min
Response: 16569918605
Conc: 712.95 ng/ml



#16 DCPA

R.T.: 11.763 min
Delta R.T.: -0.002 min
Response: 18641277132
Conc: 727.71 ng/ml



#16 DCPA

R.T.: 12.357 min
Delta R.T.: 0.001 min
Response: 15691492514
Conc: 711.87 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030753.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 09:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:03:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.348	7.769	3126.7E6	804.6E6	850.955	750.611
		Target Compounds						
1)	T	Dalapon	2.713	2.711	4156.0E6	1861.4E6	696.659	678.897
2)	T	3,5-DICHL...	6.508	6.715	3818.4E6	1129.3E6	710.061	700.037
3)	T	4-Nitroph...	7.148	7.302	1067.9E6	1188.9E6	677.282	685.845
5)	T	DICAMBA	7.539	7.972	11213.8E6	4727.1E6	737.020	721.346
6)	T	MCPP	7.720	8.072	700.2E6	162.2E6	74.582	77.331
7)	T	MCPA	7.871	8.321	849.5E6	230.7E6	72.416	73.330
8)	T	DICHLORPROP	8.253	8.691	2523.3E6	1079.6E6	673.638	686.564
9)	T	2,4-D	8.485	9.027	2349.8E6	1162.7E6	682.198	684.158
10)	T	Pentachlo...	8.793	9.552	39367.5E6	28098.2E6	743.830	737.059
11)	T	2,4,5-TP ...	9.373	9.933	14503.6E6	10346.3E6	724.081	717.064
12)	T	2,4,5-T	9.668	10.359	11958.1E6	9942.2E6	726.797	727.585
13)	T	2,4-DB	10.246	10.926	1747.7E6	842.6E6	762.024	712.334
14)	T	DINOSEB	11.465	11.312	9923.6E6	7683.8E6	715.306	712.699
15)	T	Picloram	11.275	12.421	11385.0E6	17111.2E6	708.194	736.237
16)	T	DCPA	11.761	12.357	18964.7E6	16120.4E6	740.340	731.324

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

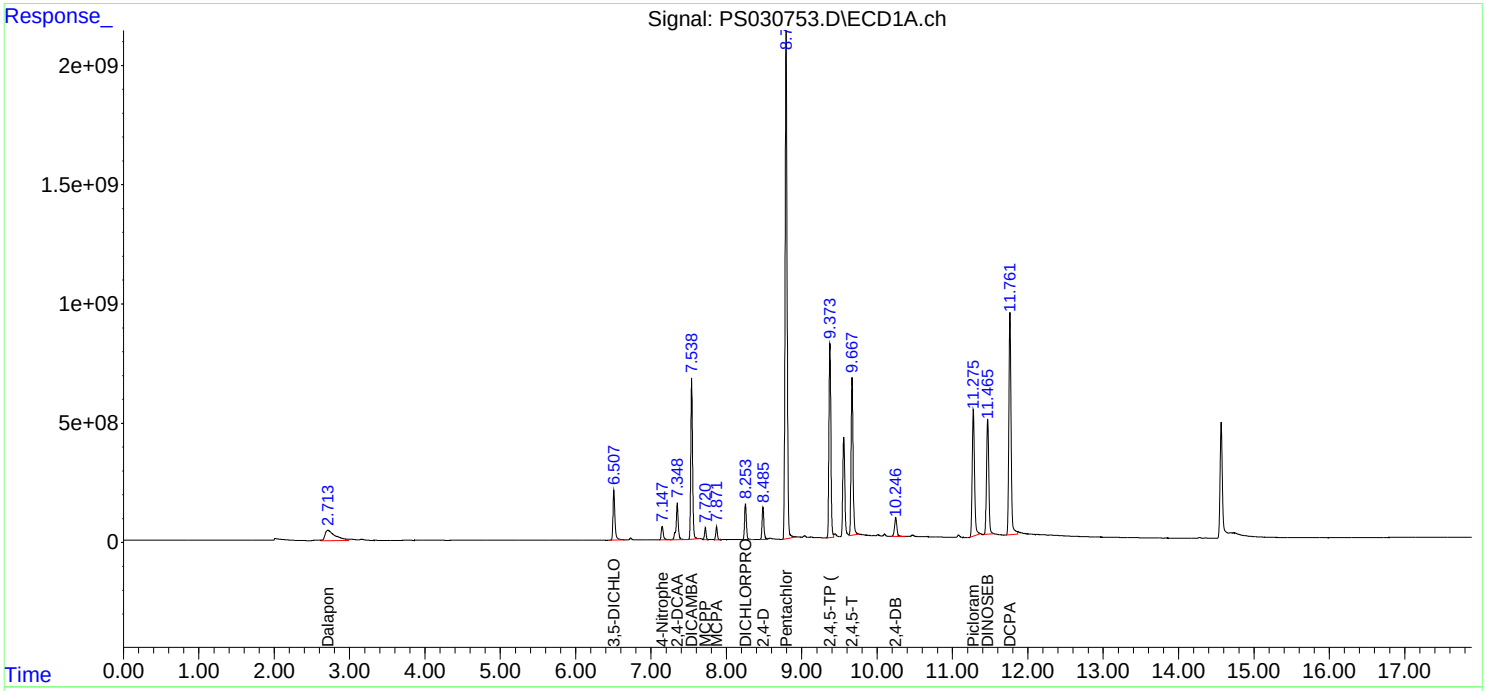
Quantitation Report (Not Reviewed)

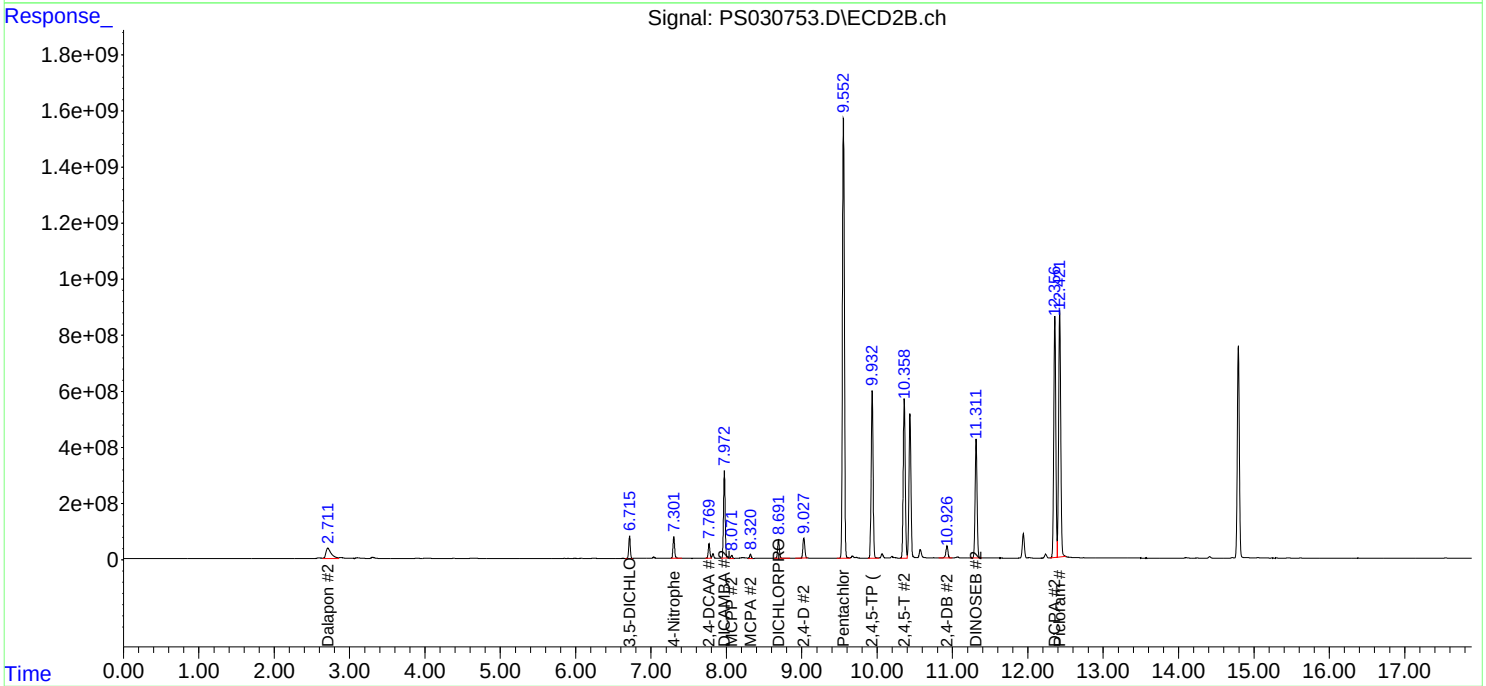
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030753.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 09:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

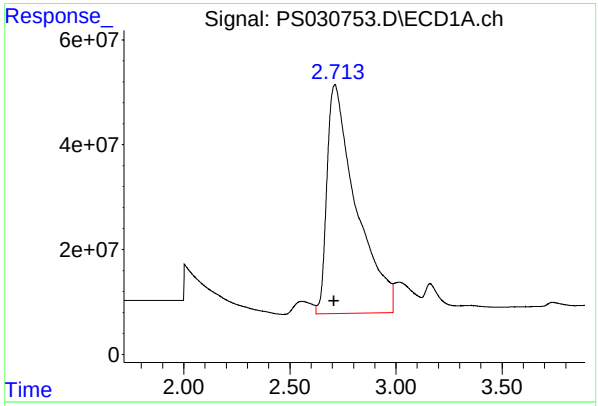
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:03:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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



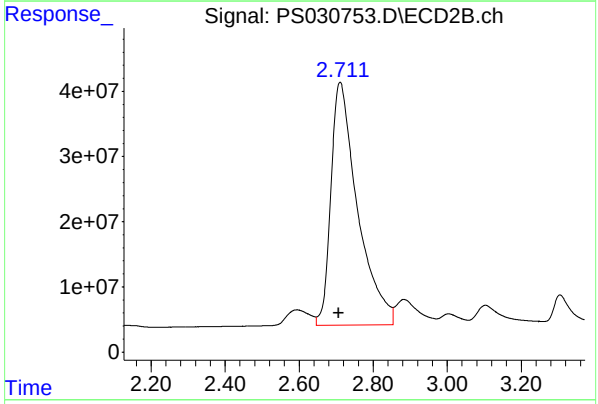




#1 Dalapon

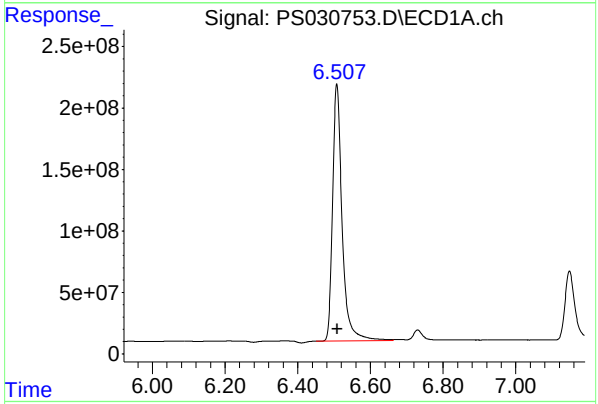
R.T.: 2.713 min
Delta R.T.: 0.005 min
Response: 4156010694
Conc: 696.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



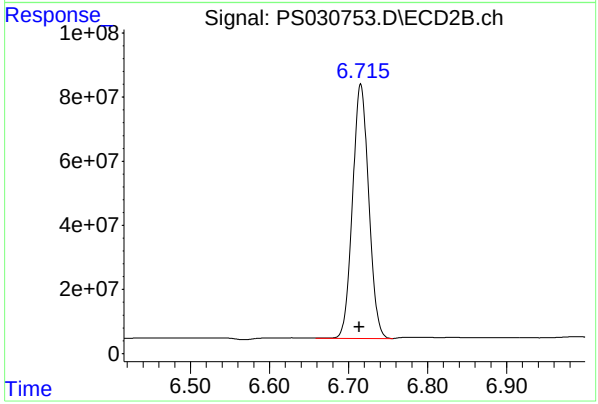
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.003 min
Response: 1861359995
Conc: 678.90 ng/ml



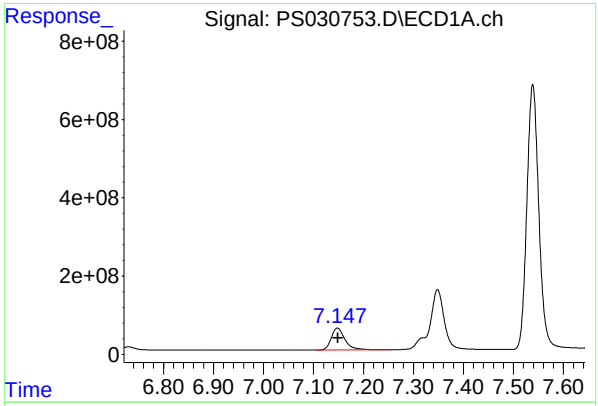
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: -0.001 min
Response: 3818390985
Conc: 710.06 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

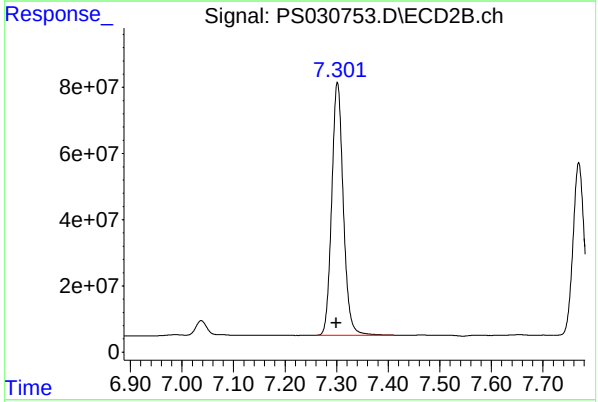
R.T.: 6.715 min
Delta R.T.: 0.002 min
Response: 1129264255
Conc: 700.04 ng/ml



#3 4-Nitrophenol

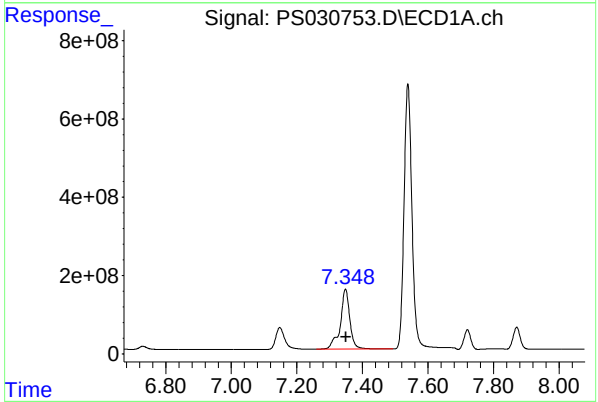
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 1067916333
Conc: 677.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



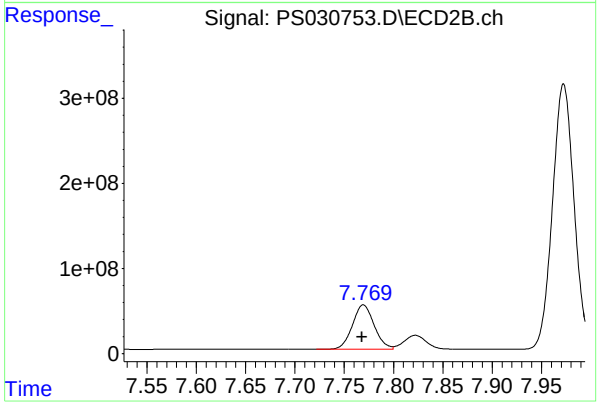
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.002 min
Response: 1188936026
Conc: 685.84 ng/ml



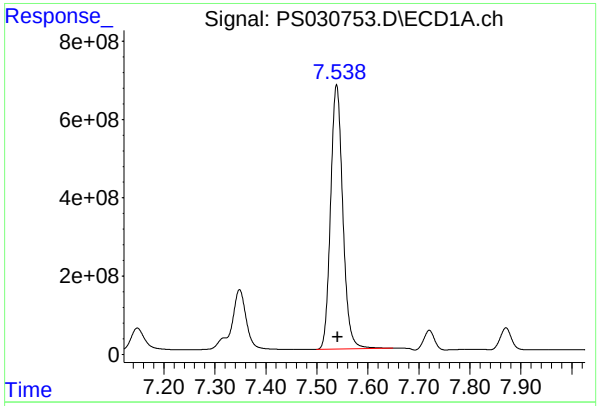
#4 2,4-DCAA

R.T.: 7.348 min
Delta R.T.: -0.001 min
Response: 3126745826
Conc: 850.96 ng/ml



#4 2,4-DCAA

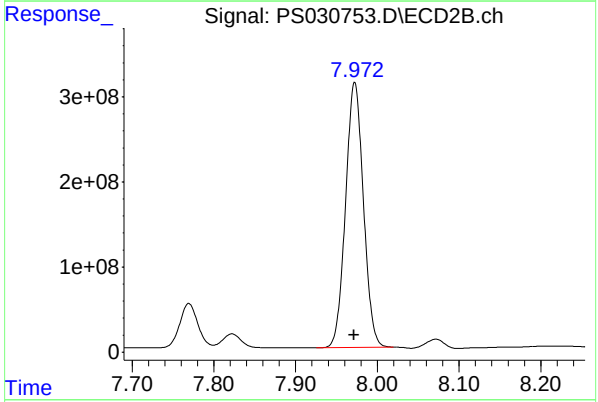
R.T.: 7.769 min
Delta R.T.: 0.002 min
Response: 804627971
Conc: 750.61 ng/ml



#5 DICAMBA

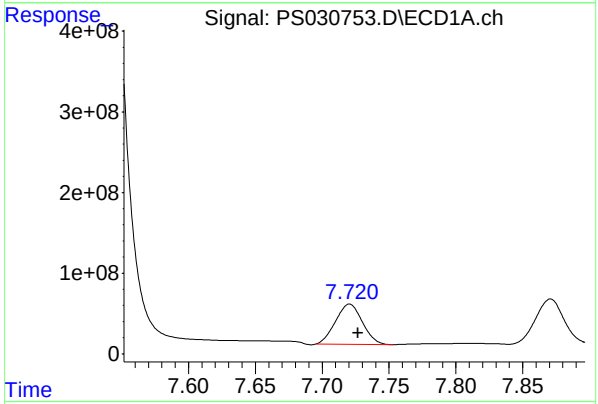
R.T.: 7.539 min
Delta R.T.: -0.002 min
Response: 11213825340
Conc: 737.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



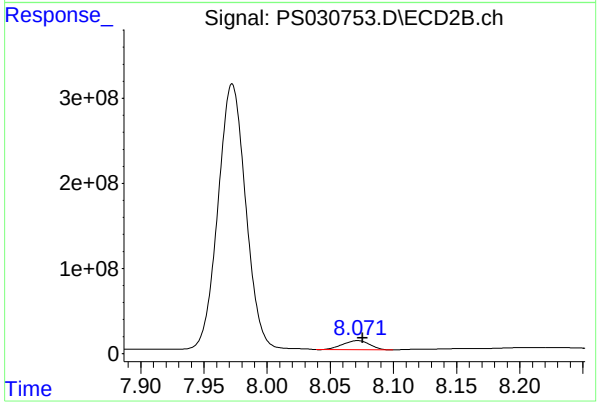
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.001 min
Response: 4727131982
Conc: 721.35 ng/ml



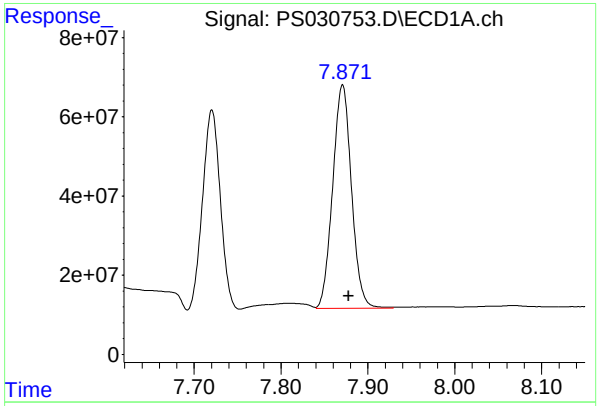
#6 MCPP

R.T.: 7.720 min
Delta R.T.: -0.006 min
Response: 700197265
Conc: 74.58 ug/ml



#6 MCPP

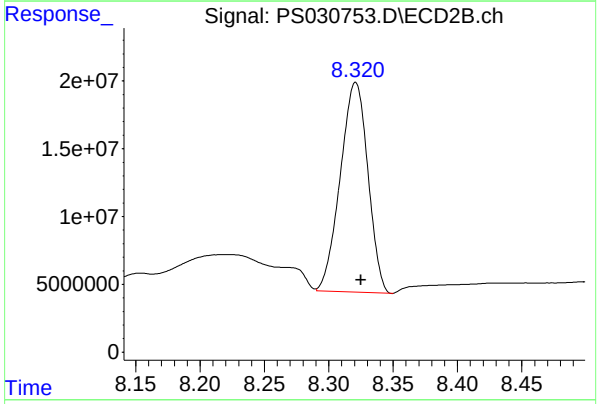
R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 162188382
Conc: 77.33 ug/ml



#7 MCPA

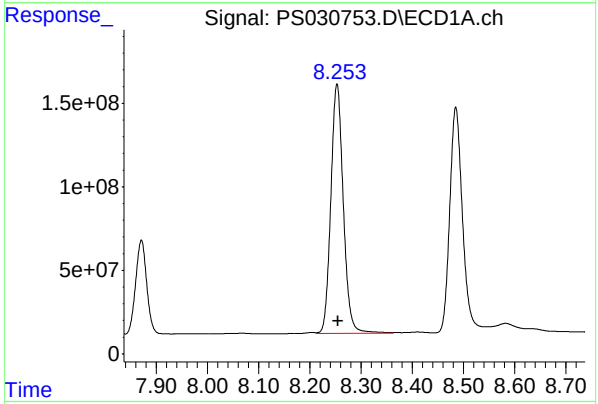
R.T.: 7.871 min
Delta R.T.: -0.007 min
Response: 849483916
Conc: 72.42 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



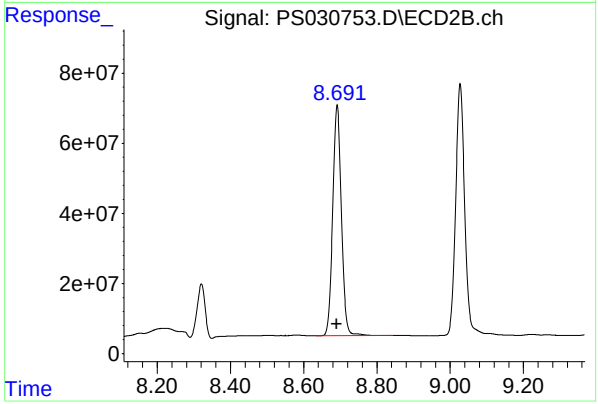
#7 MCPA

R.T.: 8.321 min
Delta R.T.: -0.004 min
Response: 230677189
Conc: 73.33 ug/ml



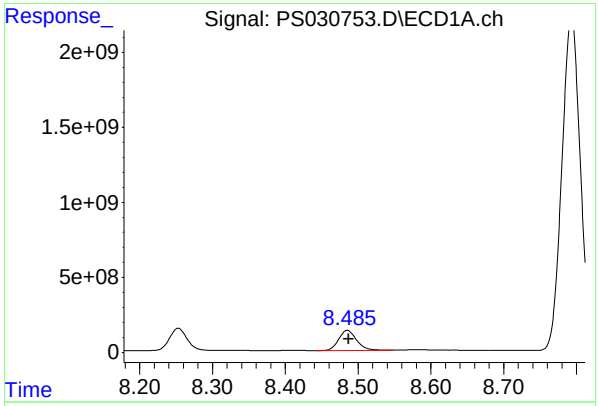
#8 DICHLORPROP

R.T.: 8.253 min
Delta R.T.: -0.001 min
Response: 2523287595
Conc: 673.64 ng/ml



#8 DICHLORPROP

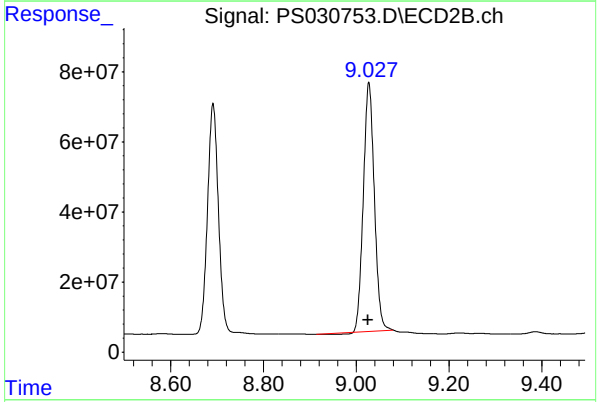
R.T.: 8.691 min
Delta R.T.: 0.001 min
Response: 1079619597
Conc: 686.56 ng/ml



#9 2,4-D

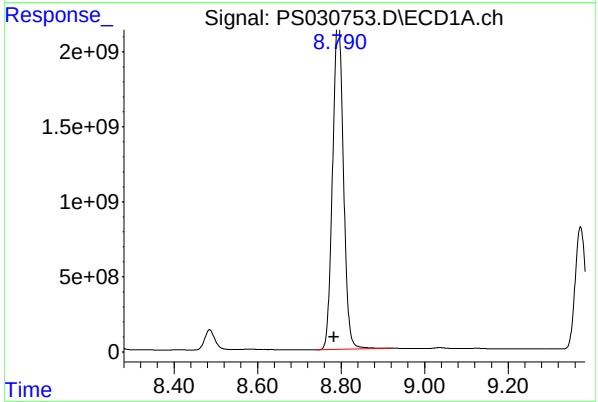
R.T.: 8.485 min
Delta R.T.: -0.002 min
Response: 2349772198
Conc: 682.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



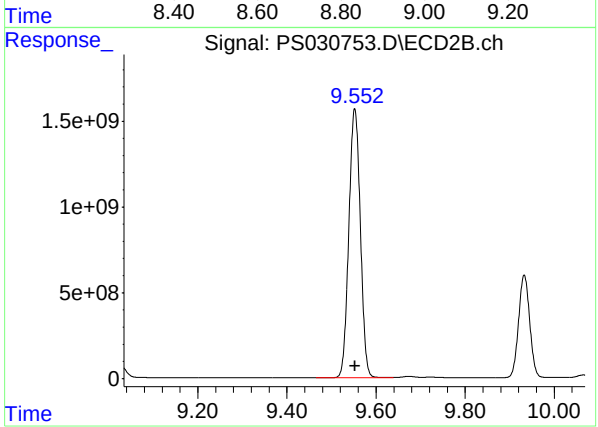
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.002 min
Response: 1162661105
Conc: 684.16 ng/ml



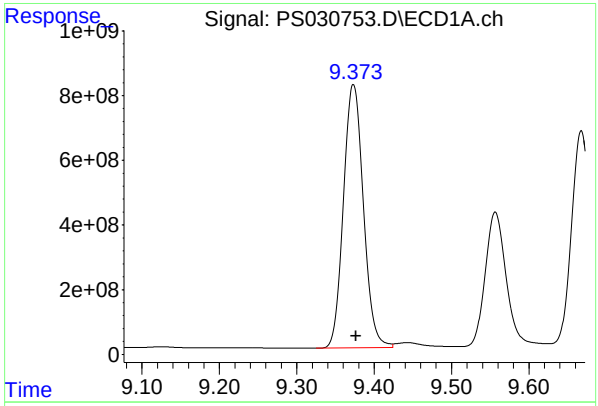
#10 Pentachlorophenol

R.T.: 8.793 min
Delta R.T.: 0.010 min
Response: 39367509442
Conc: 743.83 ng/ml



#10 Pentachlorophenol

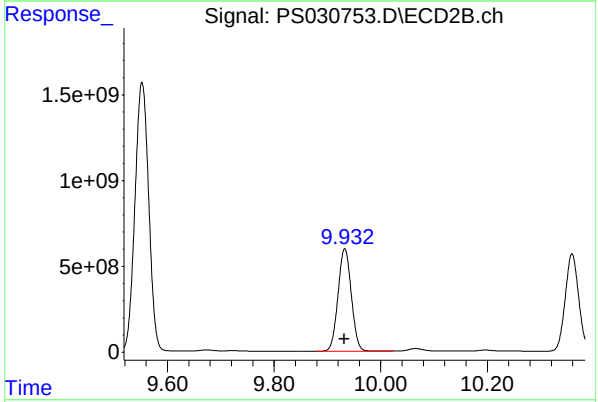
R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 28098215297
Conc: 737.06 ng/ml



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

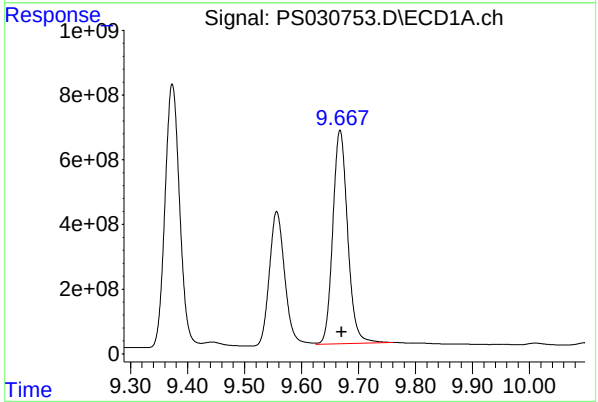
R.T.: 9.373 min
Delta R.T.: -0.003 min
Response: 14503626696
Conc: 724.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



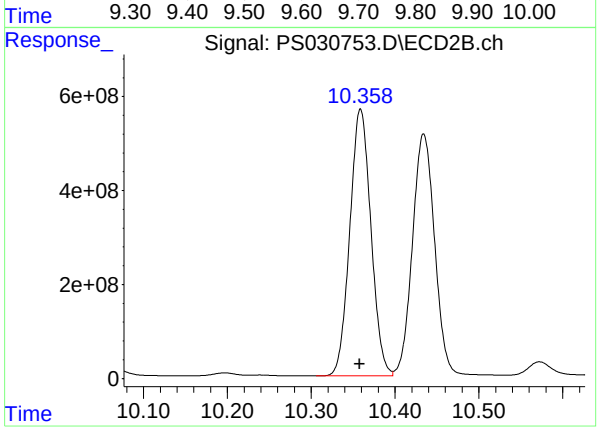
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 10346302750
Conc: 717.06 ng/ml



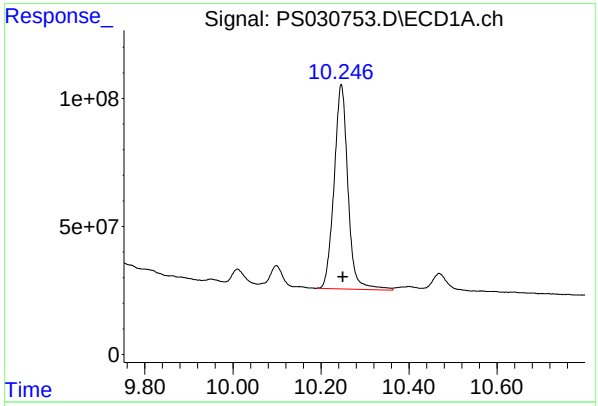
#12 2,4,5-T

R.T.: 9.668 min
Delta R.T.: -0.003 min
Response: 11958096310
Conc: 726.80 ng/ml



#12 2,4,5-T

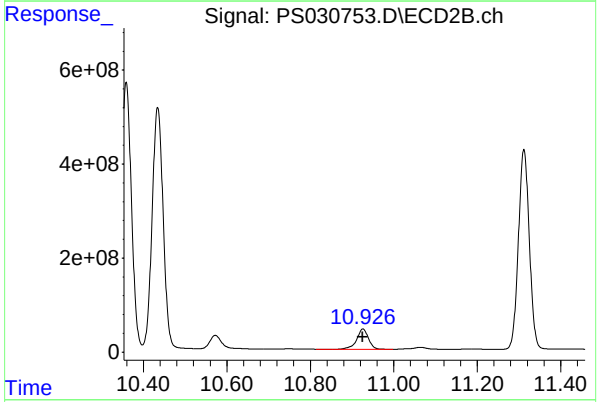
R.T.: 10.359 min
Delta R.T.: 0.001 min
Response: 9942177962
Conc: 727.59 ng/ml



#13 2,4-DB

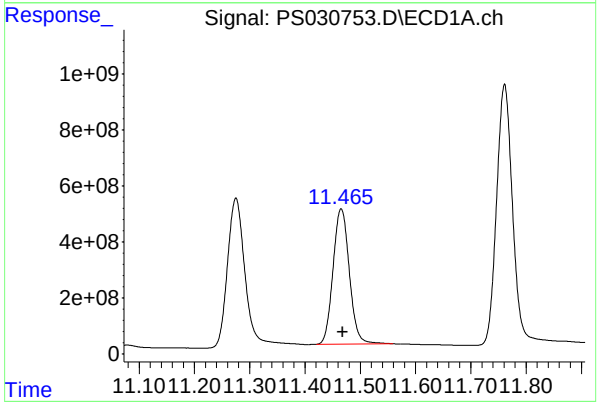
R.T.: 10.246 min
Delta R.T.: -0.004 min
Response: 1747703486
Conc: 762.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



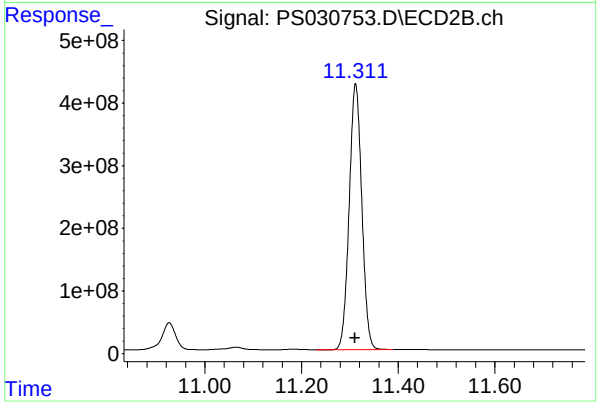
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 842622764
Conc: 712.33 ng/ml



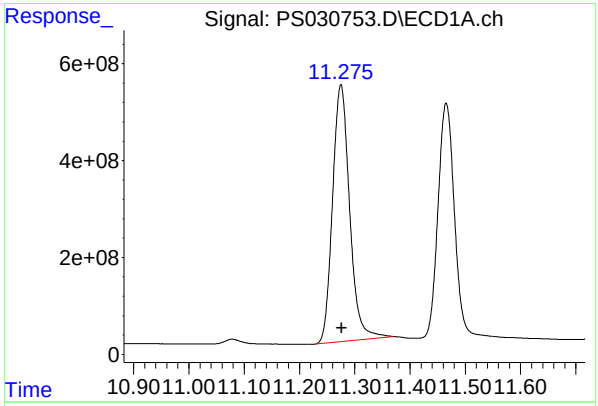
#14 DINOSEB

R.T.: 11.465 min
Delta R.T.: -0.003 min
Response: 9923574427
Conc: 715.31 ng/ml



#14 DINOSEB

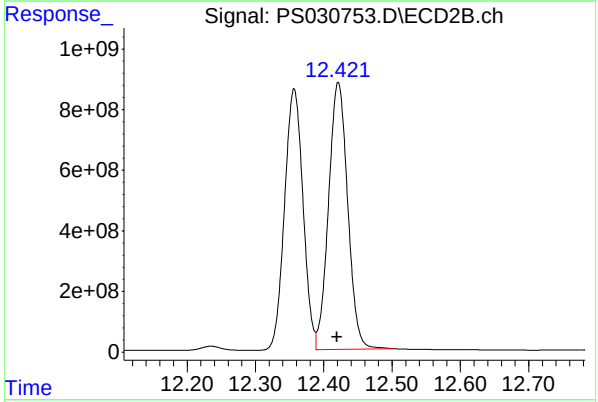
R.T.: 11.312 min
Delta R.T.: 0.000 min
Response: 7683779500
Conc: 712.70 ng/ml



#15 Picloram

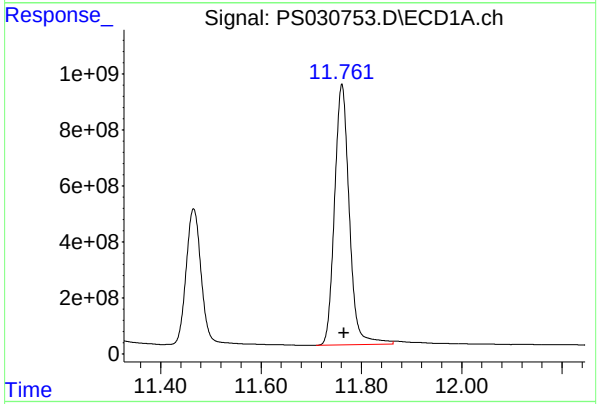
R.T.: 11.275 min
Delta R.T.: -0.001 min
Response: 11385000451
Conc: 708.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



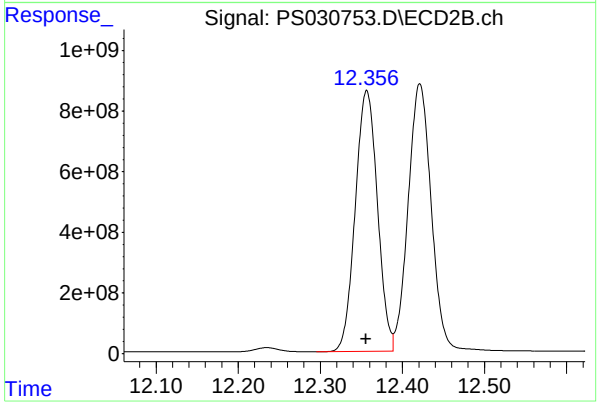
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.002 min
Response: 17111189552
Conc: 736.24 ng/ml



#16 DCPA

R.T.: 11.761 min
Delta R.T.: -0.004 min
Response: 18964743203
Conc: 740.34 ng/ml



#16 DCPA

R.T.: 12.357 min
Delta R.T.: 0.001 min
Response: 16120430959
Conc: 731.32 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030754.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 09:50
Operator : AR\AJ
Sample : Q2266-01MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : ECD_S
ClientSampleId : WC-3MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.348	7.769	1690.8E6	524.1E6	460.159	488.922	
		Target Compounds							
1)	T	Dalapon	2.708	2.711	4797.4E6	2949.7E6	804.175	1075.837	#
2)	T	3,5-DICHL...	6.522	6.714	4310.4E6	573.9E6	801.562	355.788	#
3)	T	4-Nitroph...	7.131	0.000	8282470	0	5.253	N.D.	#
5)	T	DICAMBA	7.539	7.972	5718.4E6	2437.2E6	375.840	371.903	
6)	T	MCPP	7.719	8.070	313.0E6	63408360	33.335	30.233	
7)	T	MCPA	7.868	8.317	399.9E6	103.3E6	34.090	32.824	
8)	T	DICHLORPROP	8.254	8.691	1499.2E6	607.8E6	400.226	386.515	
9)	T	2,4-D	8.486	9.027	1555.1E6	744.0E6	451.479	437.827	
10)	T	Pentachlo...	8.793	9.552	16704.5E6	11524.1E6	315.624	302.294	
11)	T	2,4,5-TP ...	9.374	9.934	8739.3E6	9023.6E6	436.303	625.395	#
12)	T	2,4,5-T	9.668	10.359	6733.6E6	5654.0E6	409.258	413.770	
13)	T	2,4-DB	10.248	10.926	893.4E6	419.4E6	389.514	354.544	
14)	T	DINOSEB	11.467	11.312	3192.5E6	2346.2E6	230.123	217.623	
15)	T	Picloram	11.275	12.420	5656.8E6	7947.5E6	351.876	341.954	
16)	T	DCPA	11.760	12.356	9868.2E6	8195.3E6	385.231	371.788	

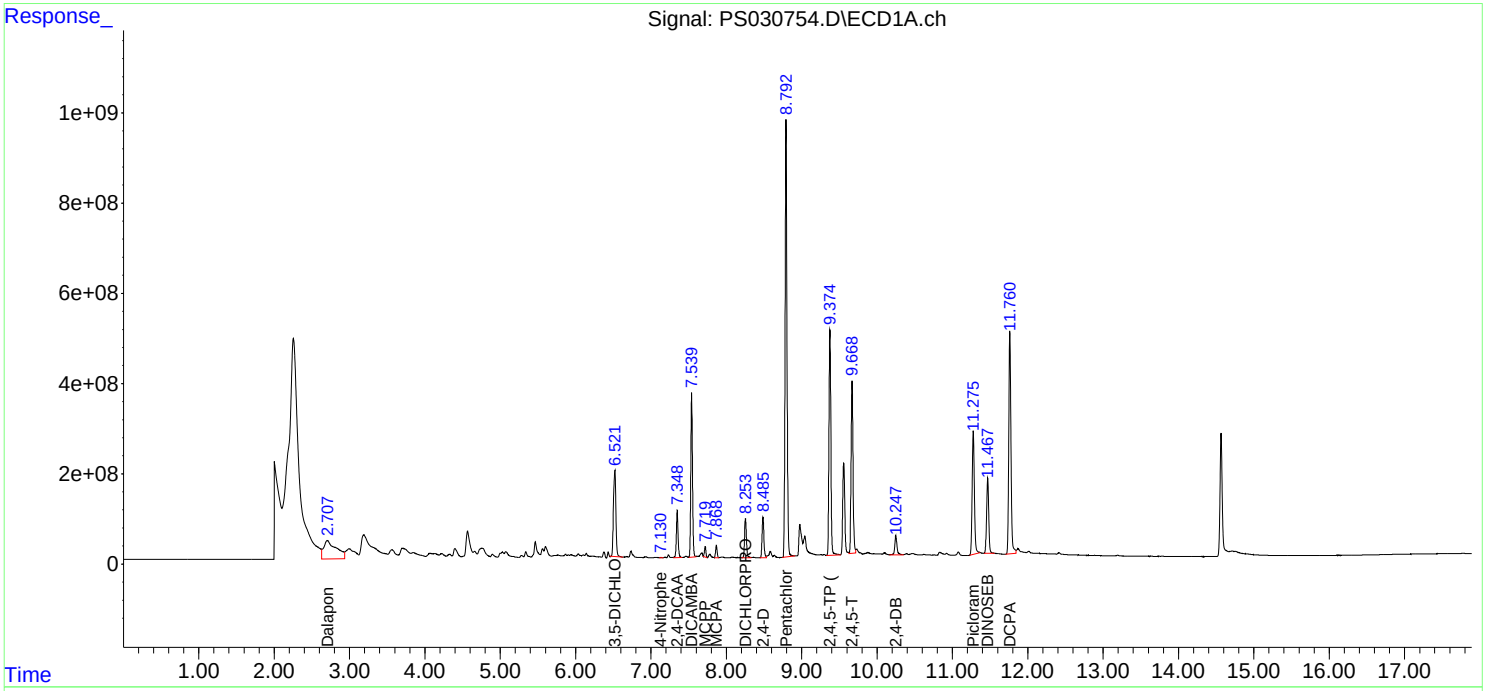
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

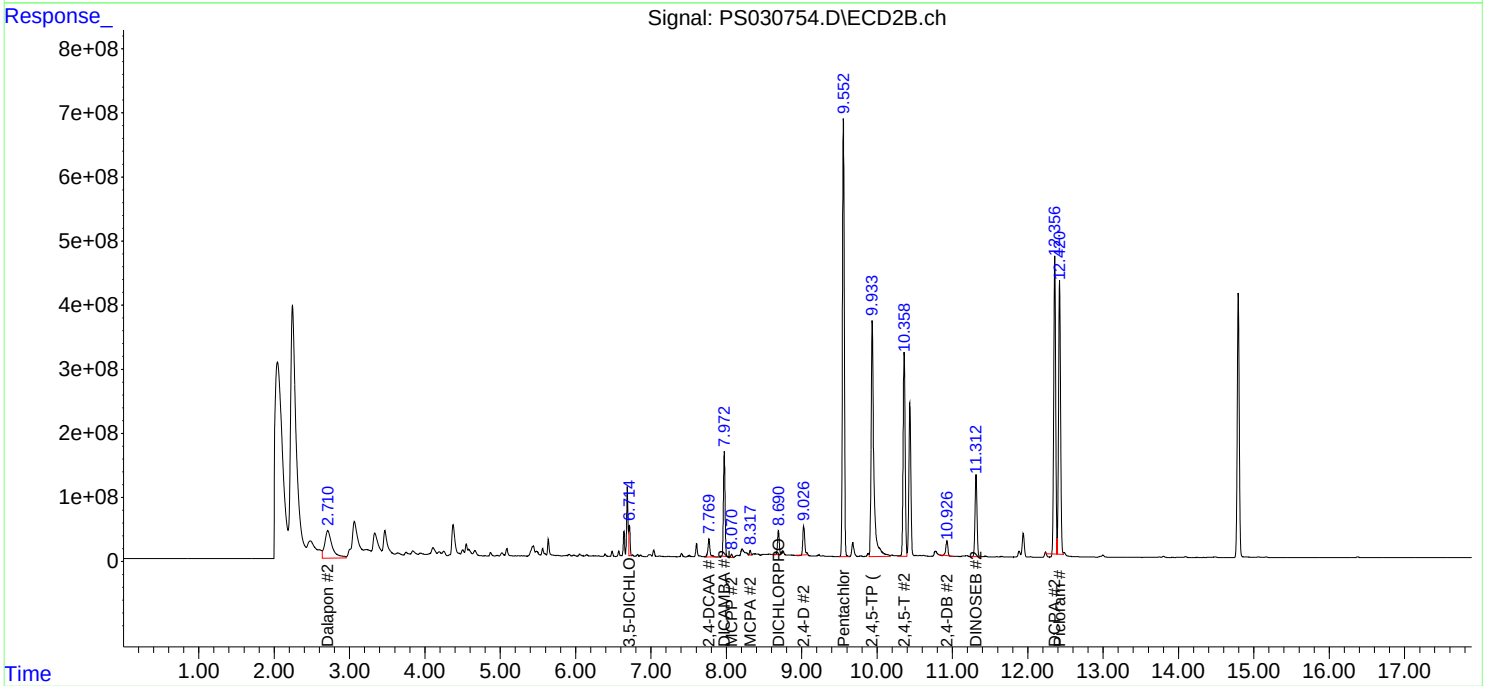
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030754.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 09:50
Operator : AR\AJ
Sample : Q2266-01MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

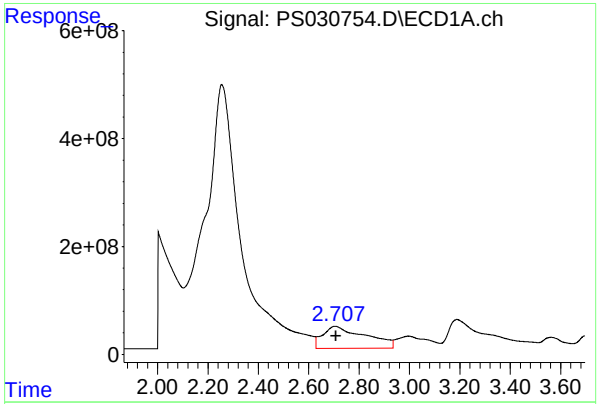
Instrument :
ECD_S
ClientSampleId :
WC-3MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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



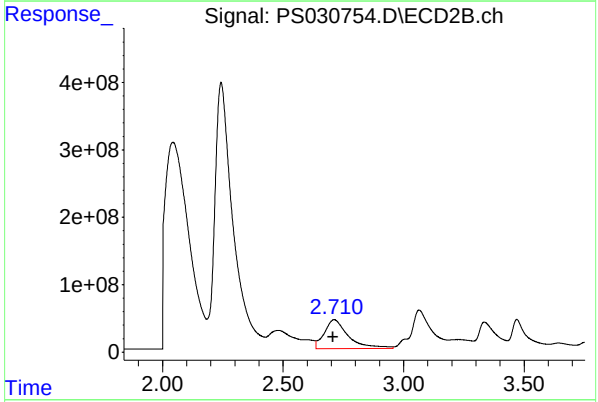




#1 Dalapon

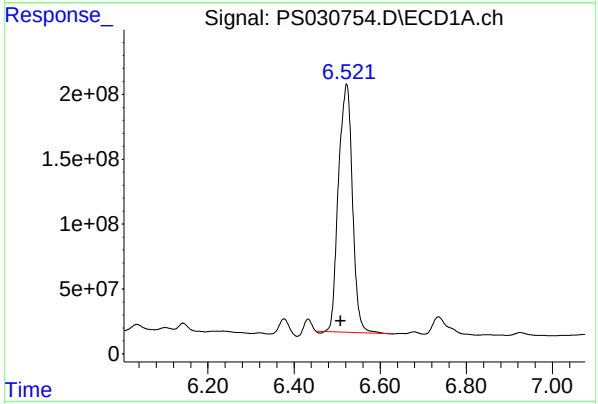
R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 4797407743
Conc: 804.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS



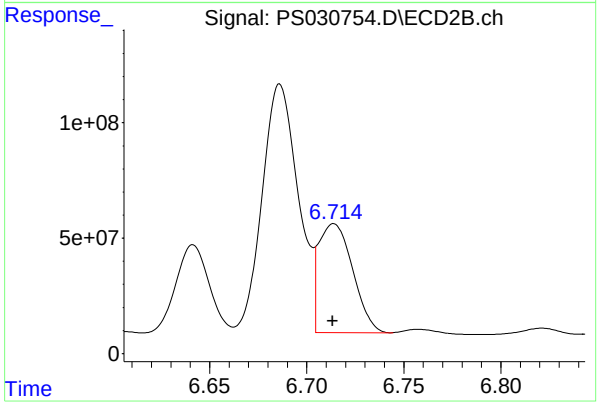
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.004 min
Response: 2949668035
Conc: 1075.84 ng/ml



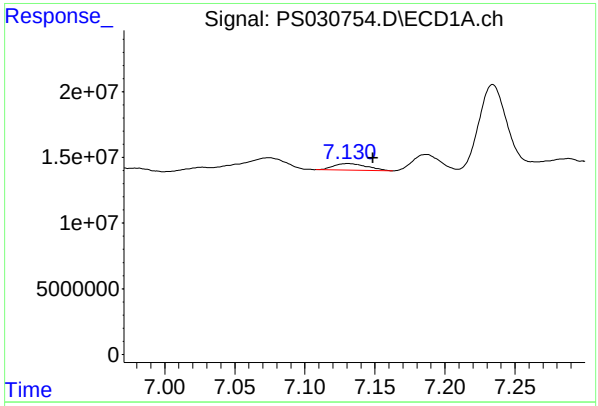
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.522 min
Delta R.T.: 0.013 min
Response: 4310439741
Conc: 801.56 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

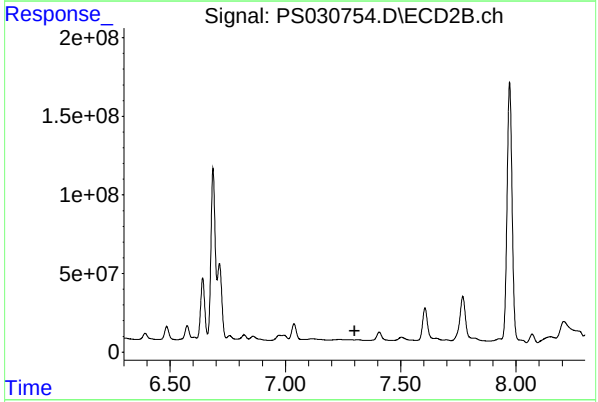
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 573939714
Conc: 355.79 ng/ml



#3 4-Nitrophenol

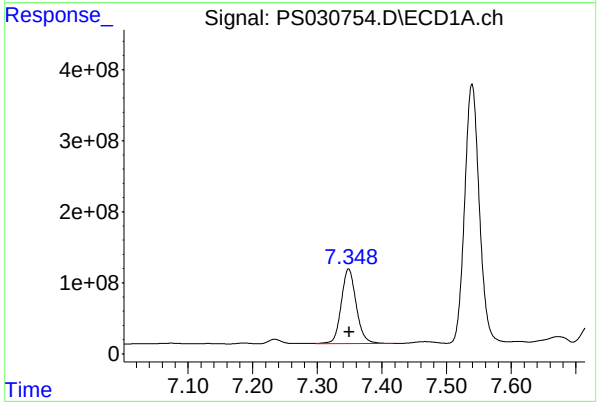
R.T.: 7.131 min
Delta R.T.: -0.018 min
Response: 8282470
Conc: 5.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS



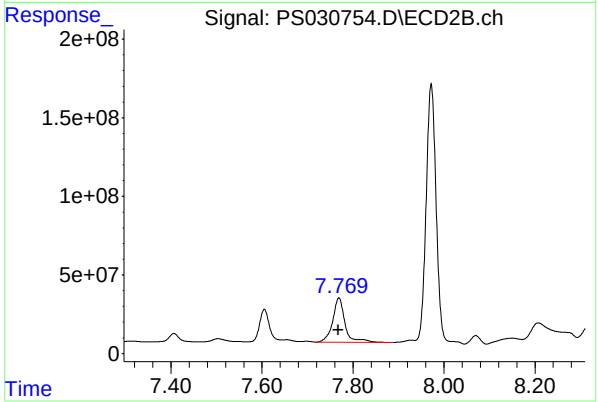
#3 4-Nitrophenol

R.T.: 0.000 min
Exp R.T. : 7.299 min
Response: 0
Conc: N.D.



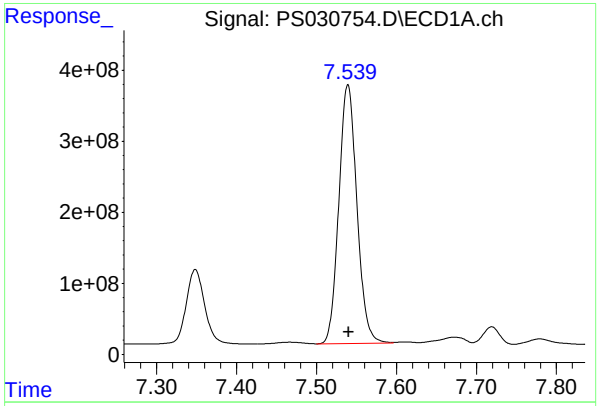
#4 2,4-DCAA

R.T.: 7.348 min
Delta R.T.: -0.001 min
Response: 1690805449
Conc: 460.16 ng/ml



#4 2,4-DCAA

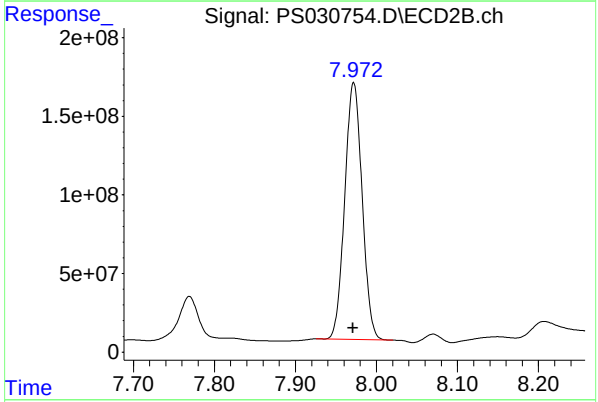
R.T.: 7.769 min
Delta R.T.: 0.001 min
Response: 524106712
Conc: 488.92 ng/ml



#5 DICAMBA

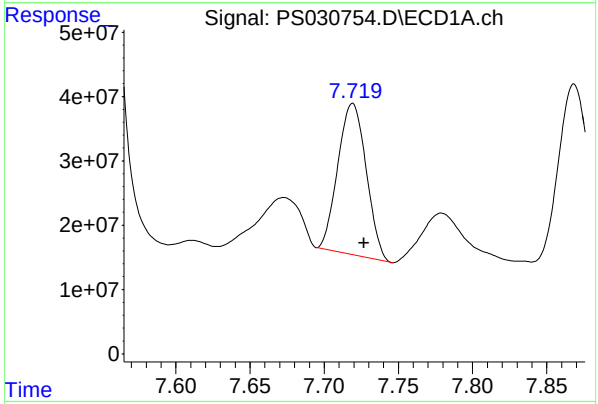
R.T.: 7.539 min
Delta R.T.: -0.001 min
Response: 5718435279
Conc: 375.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS



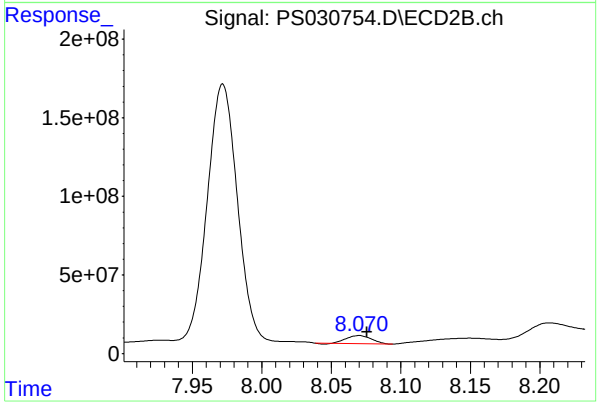
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 2437163020
Conc: 371.90 ng/ml



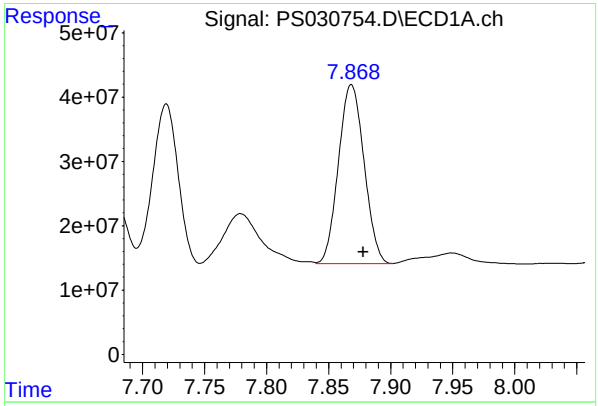
#6 MCPP

R.T.: 7.719 min
Delta R.T.: -0.008 min
Response: 312964267
Conc: 33.34 ug/ml



#6 MCPP

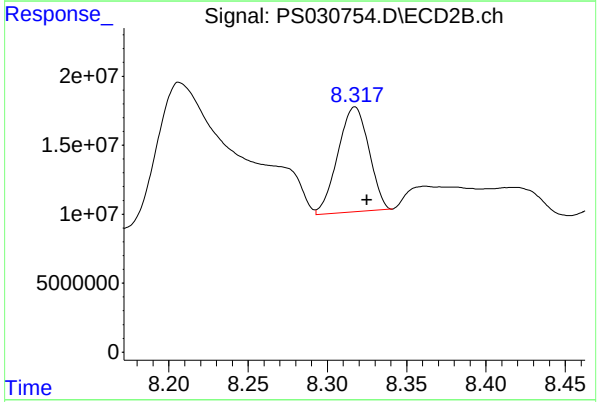
R.T.: 8.070 min
Delta R.T.: -0.006 min
Response: 63408360
Conc: 30.23 ug/ml



#7 MCPA

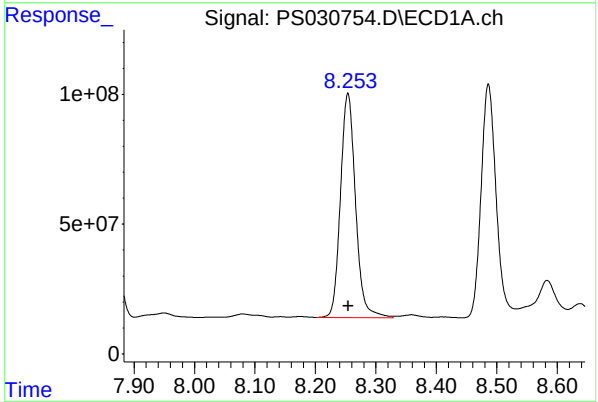
R.T.: 7.868 min
Delta R.T.: -0.010 min
Response: 399892461
Conc: 34.09 ug/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS



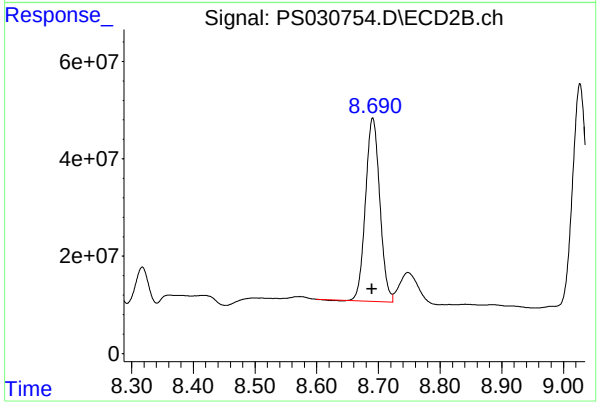
#7 MCPA

R.T.: 8.317 min
Delta R.T.: -0.008 min
Response: 103255309
Conc: 32.82 ug/ml



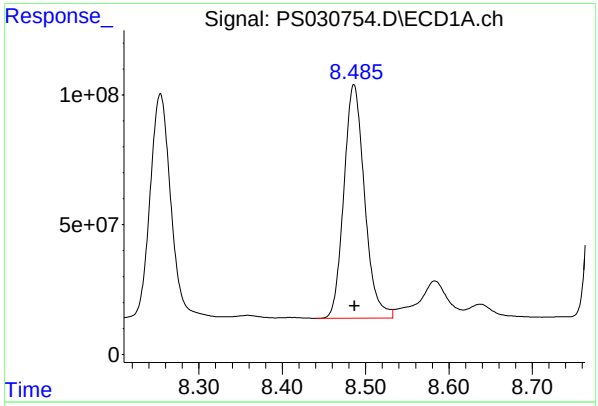
#8 DICHLORPROP

R.T.: 8.254 min
Delta R.T.: 0.000 min
Response: 1499150948
Conc: 400.23 ng/ml



#8 DICHLORPROP

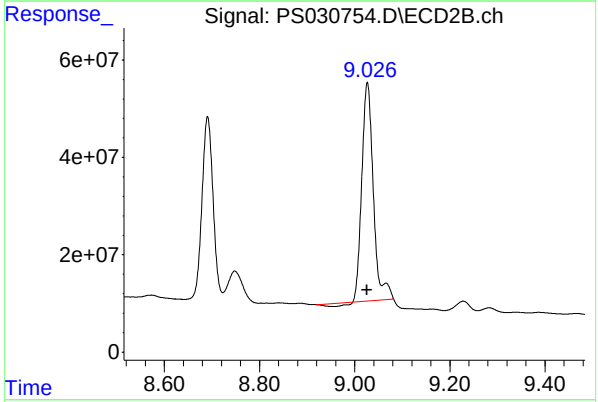
R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 607792765
Conc: 386.51 ng/ml



#9 2,4-D

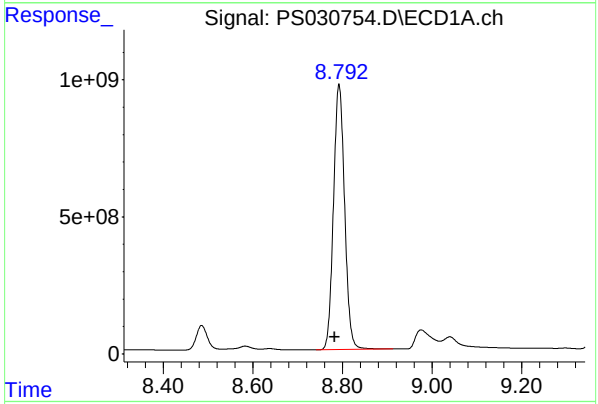
R.T.: 8.486 min
Delta R.T.: -0.001 min
Response: 1555078679
Conc: 451.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS



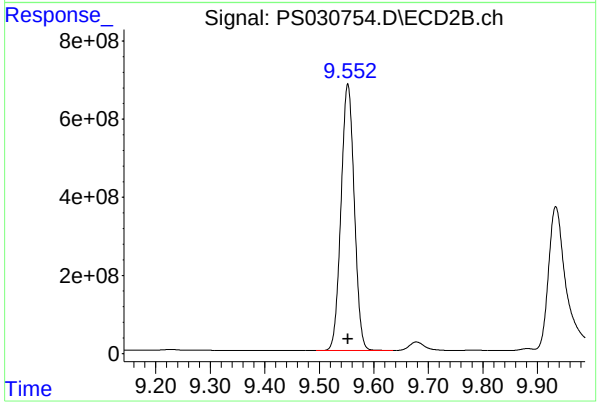
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.001 min
Response: 744045545
Conc: 437.83 ng/ml



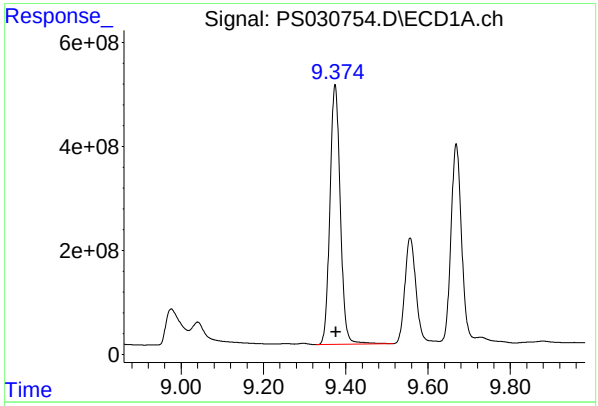
#10 Pentachlorophenol

R.T.: 8.793 min
Delta R.T.: 0.010 min
Response: 16704519021
Conc: 315.62 ng/ml



#10 Pentachlorophenol

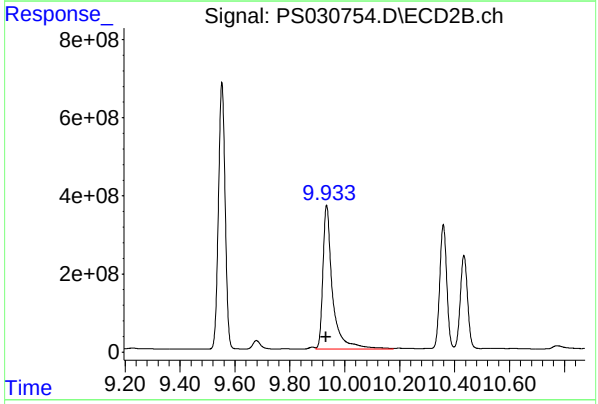
R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 11524096589
Conc: 302.29 ng/ml



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

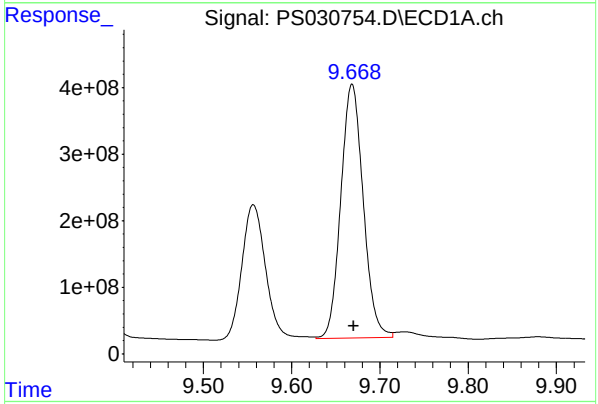
R.T.: 9.374 min
Delta R.T.: -0.002 min
Response: 8739319656
Conc: 436.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS



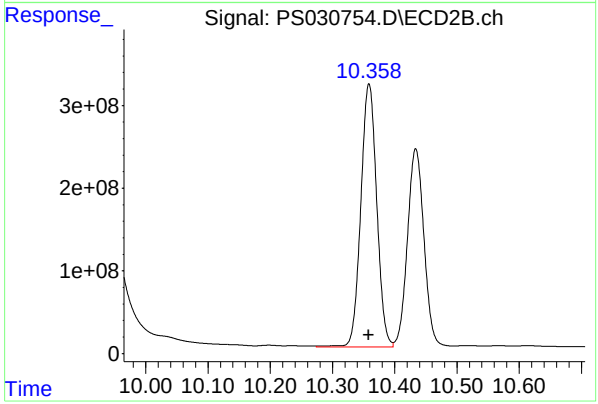
#11 2,4,5-TP (SILVEX)

R.T.: 9.934 min
Delta R.T.: 0.002 min
Response: 9023644622
Conc: 625.40 ng/ml



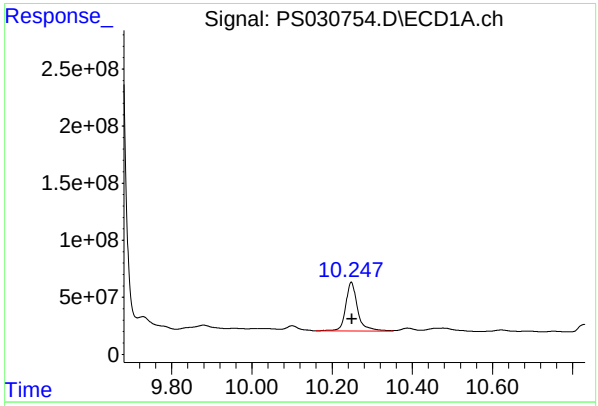
#12 2,4,5-T

R.T.: 9.668 min
Delta R.T.: -0.002 min
Response: 6733591820
Conc: 409.26 ng/ml



#12 2,4,5-T

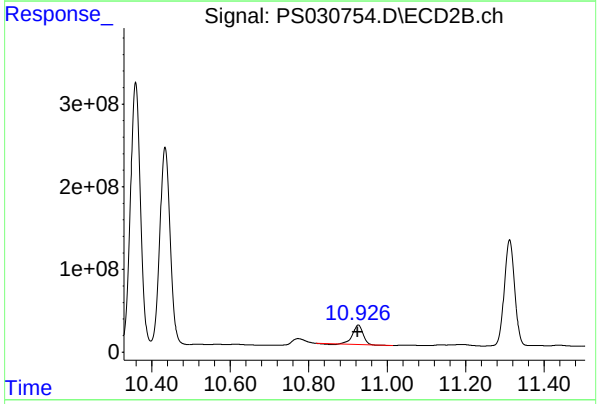
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 5654010763
Conc: 413.77 ng/ml



#13 2,4-DB

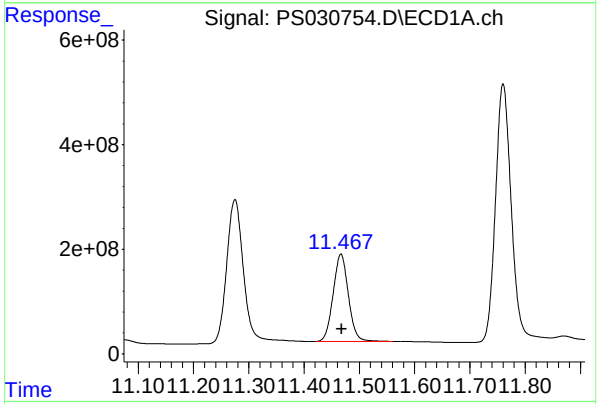
R.T.: 10.248 min
Delta R.T.: -0.002 min
Response: 893351272
Conc: 389.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS



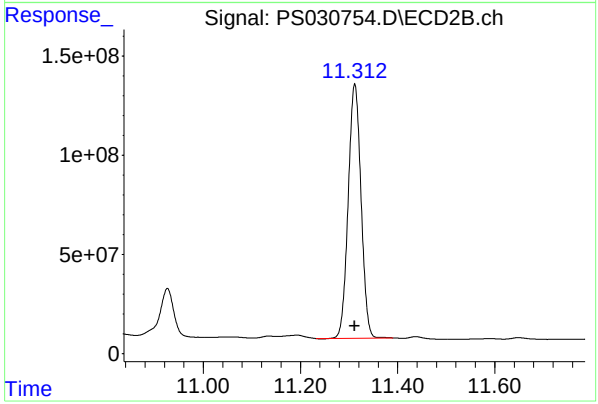
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.001 min
Response: 419391103
Conc: 354.54 ng/ml



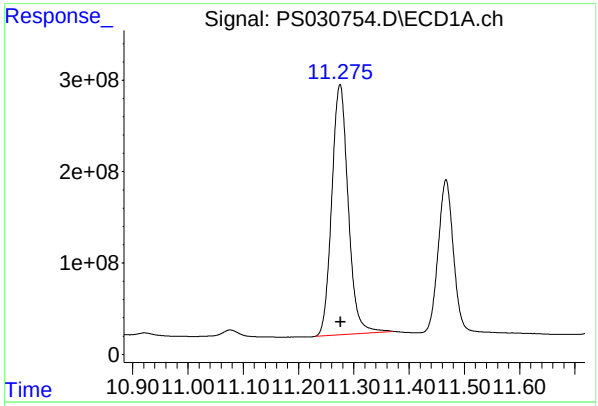
#14 DINOSEB

R.T.: 11.467 min
Delta R.T.: -0.002 min
Response: 3192538197
Conc: 230.12 ng/ml



#14 DINOSEB

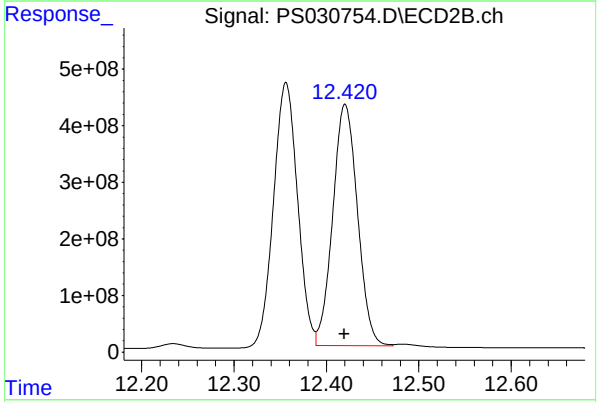
R.T.: 11.312 min
Delta R.T.: 0.000 min
Response: 2346246740
Conc: 217.62 ng/ml



#15 Picloram

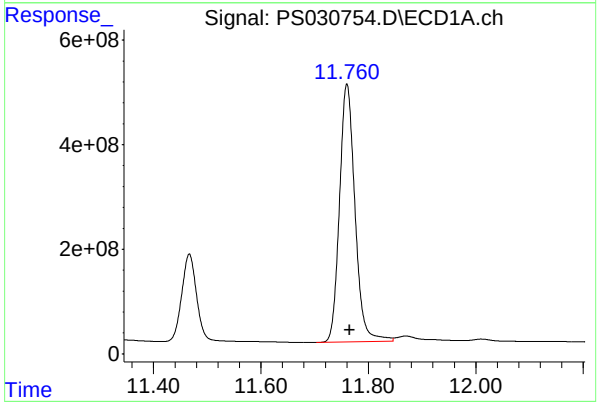
R.T.: 11.275 min
Delta R.T.: -0.001 min
Response: 5656795754
Conc: 351.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MS



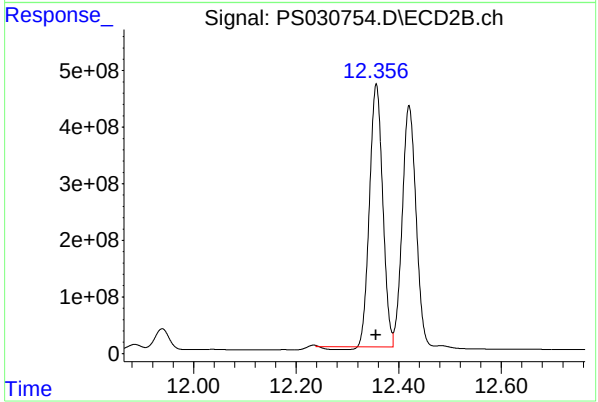
#15 Picloram

R.T.: 12.420 min
Delta R.T.: 0.000 min
Response: 7947489507
Conc: 341.95 ng/ml



#16 DCPA

R.T.: 11.760 min
Delta R.T.: -0.005 min
Response: 9868177110
Conc: 385.23 ng/ml



#16 DCPA

R.T.: 12.356 min
Delta R.T.: 0.000 min
Response: 8195251820
Conc: 371.79 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030755.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 10:18
Operator : AR\AJ
Sample : Q2266-01MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : ECD_S
ClientSampleId : WC-3MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.349	7.768	1690.1E6	492.2E6	459.959	459.185
		Target Compounds						
1)	T	Dalapon	2.703	2.708	5168.8E6	3218.1E6	866.437	1173.751 #
2)	T	3,5-DICHL...	6.522	6.713	4303.7E6	580.6E6	800.305	359.905 #
3)	T	4-Nitroph...	7.132	7.316	4483134	4445724	2.843	2.565
5)	T	DICAMBA	7.540	7.972	5737.4E6	2441.3E6	377.087	372.530
6)	T	MCPP	7.719	8.069	315.5E6	68111174	33.605	32.475
7)	T	MCPA	7.869	8.317	400.7E6	104.1E6	34.155	33.091
8)	T	DICHLORPROP	8.253	8.690	1494.4E6	615.6E6	398.947	391.460
9)	T	2,4-D	8.486	9.026	1556.9E6	741.1E6	451.996	436.100
10)	T	Pentachlo...	8.794	9.551	16668.7E6	11448.0E6	314.947	300.297
11)	T	2,4,5-TP ...	9.374	9.933	8743.5E6	9004.8E6	436.512	624.092 #
12)	T	2,4,5-T	9.669	10.358	6701.1E6	5619.0E6	407.286	411.208
13)	T	2,4-DB	10.249	10.926	876.6E6	446.9E6	382.202	377.772
14)	T	DINOSEB	11.466	11.311	3193.7E6	2342.7E6	230.208	217.293
15)	T	Picloram	11.276	12.420	5443.8E6	7683.4E6	338.624	330.591
16)	T	DCPA	11.762	12.356	9803.0E6	8274.3E6	382.689	375.373

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

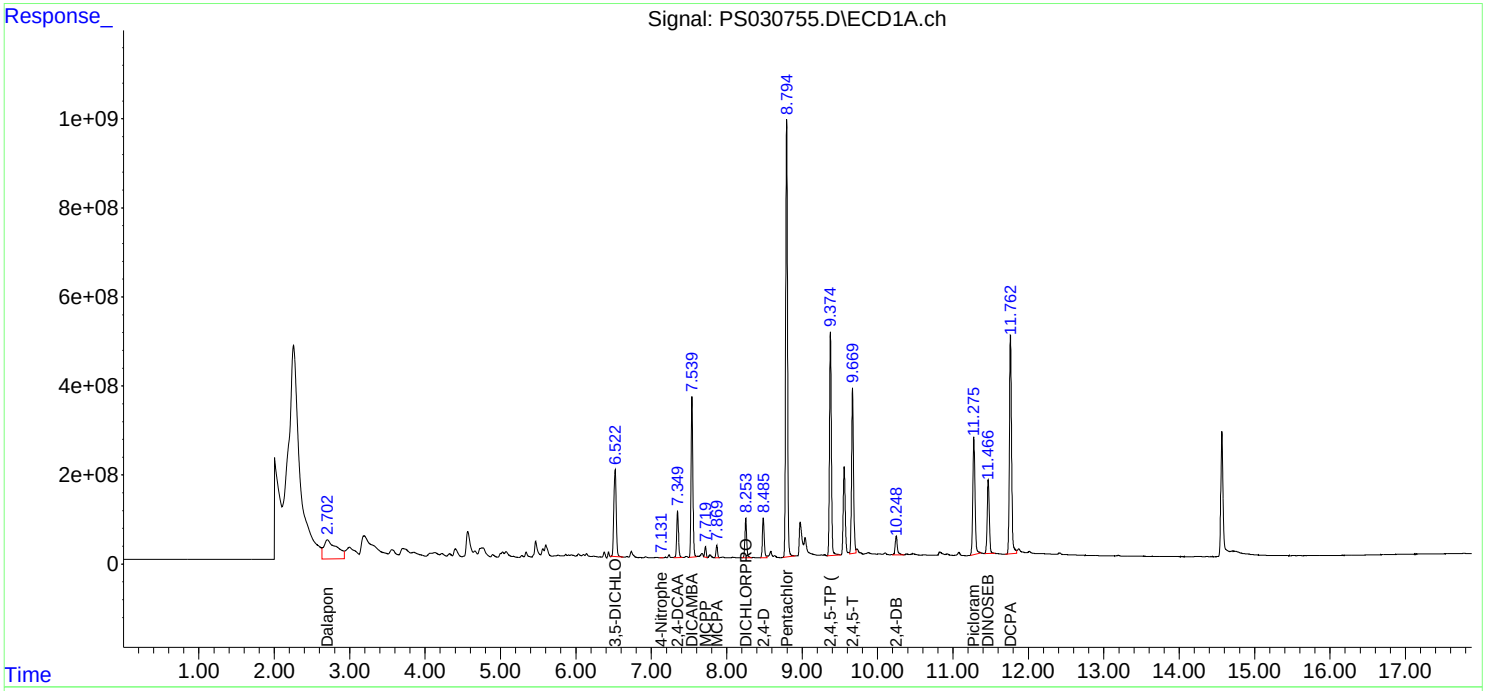
Quantitation Report (Not Reviewed)

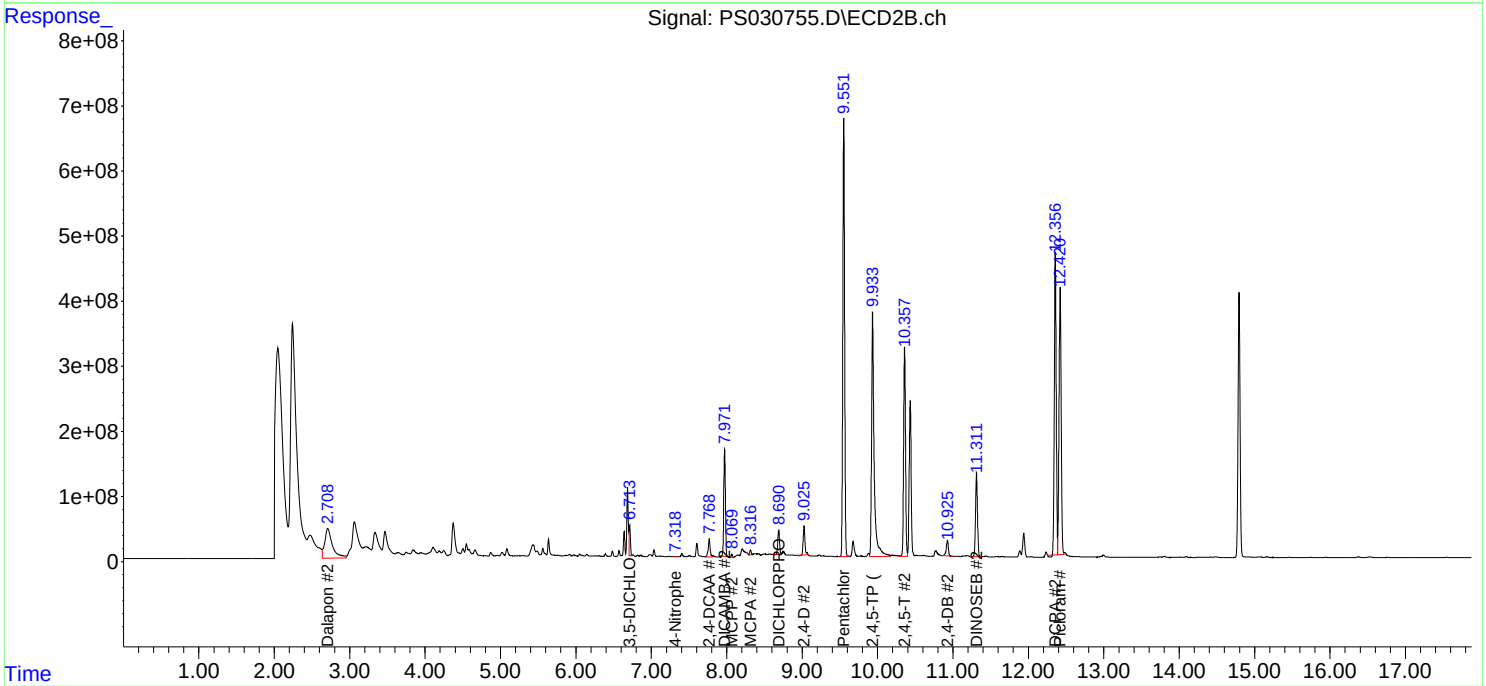
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030755.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 10:18
Operator : AR\AJ
Sample : Q2266-01MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

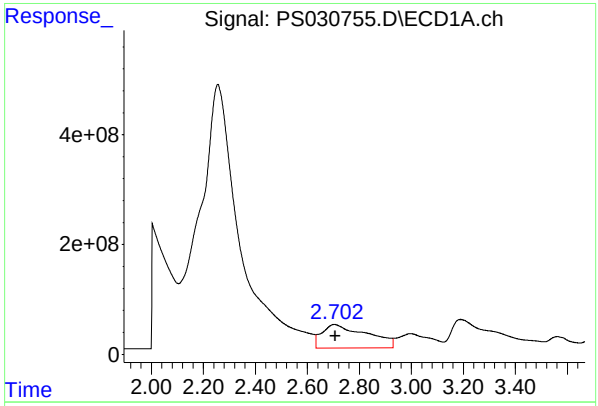
Instrument :
ECD_S
ClientSampleId :
WC-3MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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



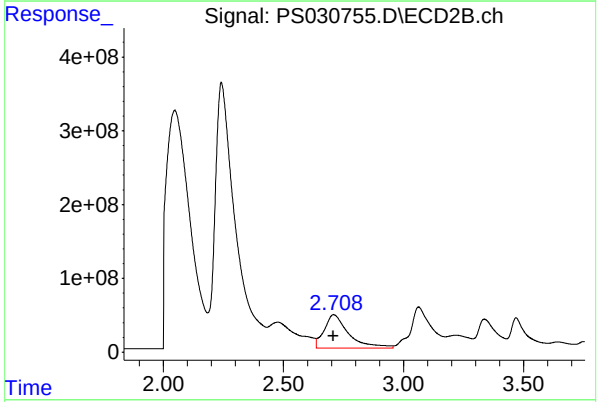




#1 Dalapon

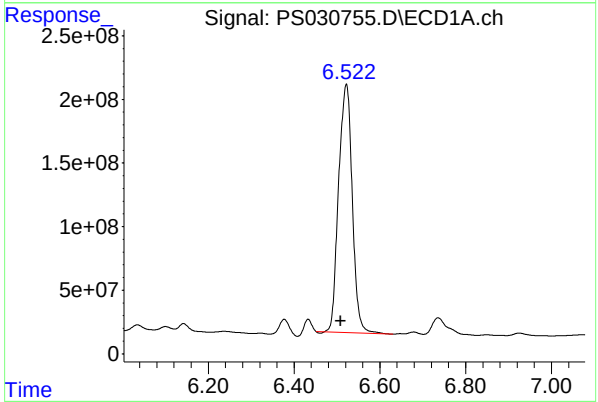
R.T.: 2.703 min
Delta R.T.: -0.005 min
Response: 5168842256
Conc: 866.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD



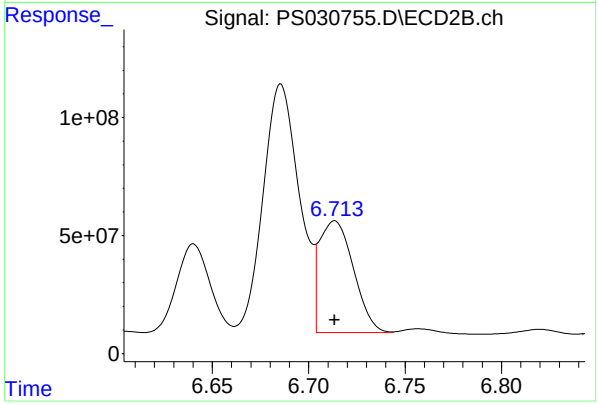
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 3218123613
Conc: 1173.75 ng/ml



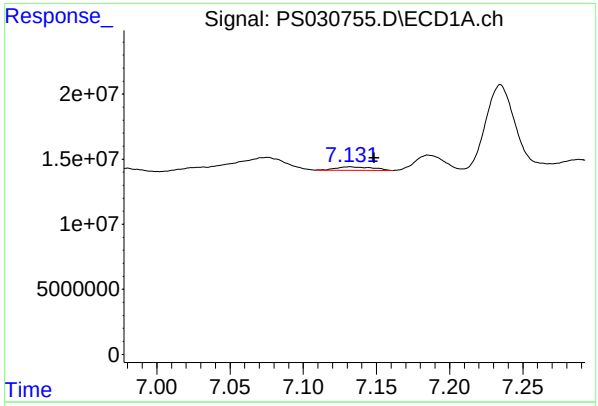
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.522 min
Delta R.T.: 0.013 min
Response: 4303680045
Conc: 800.30 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

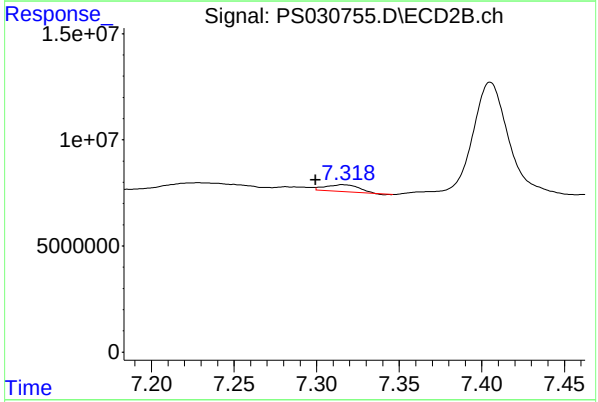
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 580580783
Conc: 359.91 ng/ml



#3 4-Nitrophenol

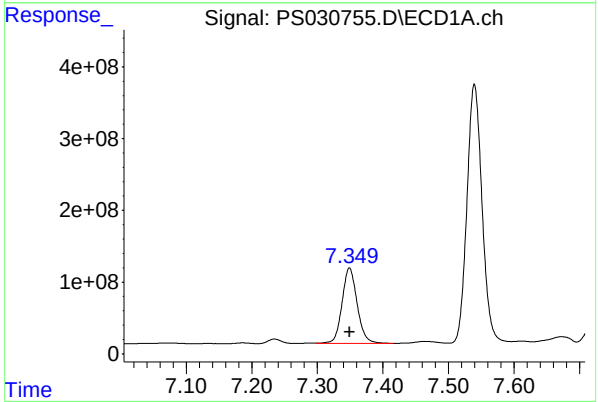
R.T.: 7.132 min
Delta R.T.: -0.017 min
Response: 4483134
Conc: 2.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD



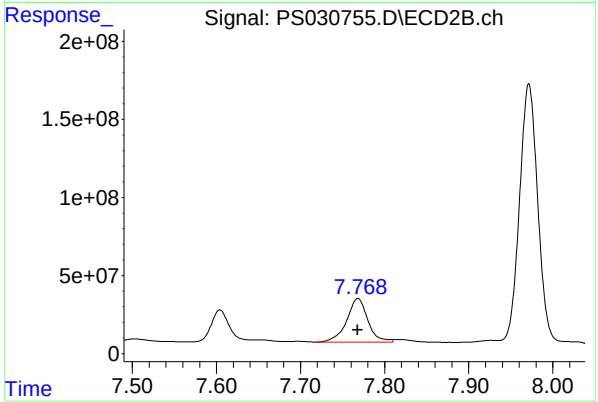
#3 4-Nitrophenol

R.T.: 7.316 min
Delta R.T.: 0.017 min
Response: 4445724
Conc: 2.56 ng/ml



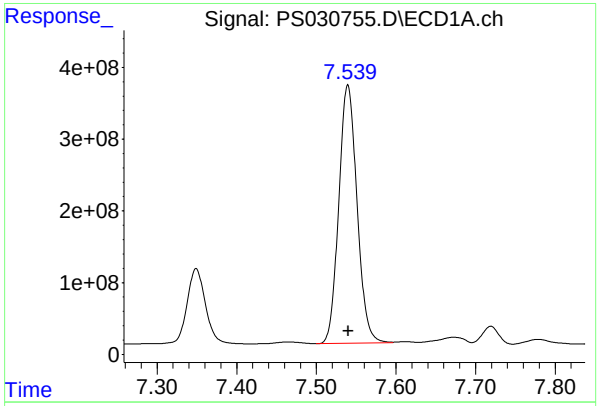
#4 2,4-DCAA

R.T.: 7.349 min
Delta R.T.: 0.000 min
Response: 1690072527
Conc: 459.96 ng/ml



#4 2,4-DCAA

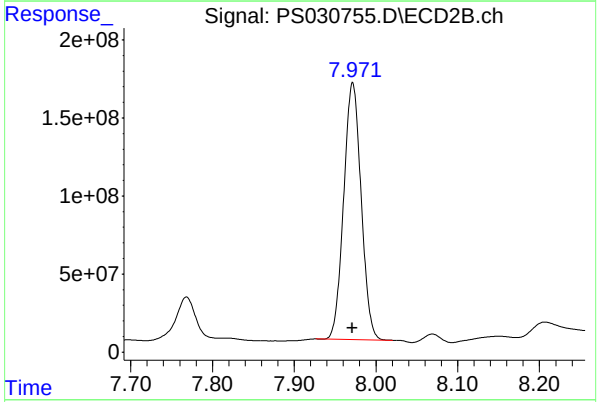
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 492229924
Conc: 459.19 ng/ml



#5 DICAMBA

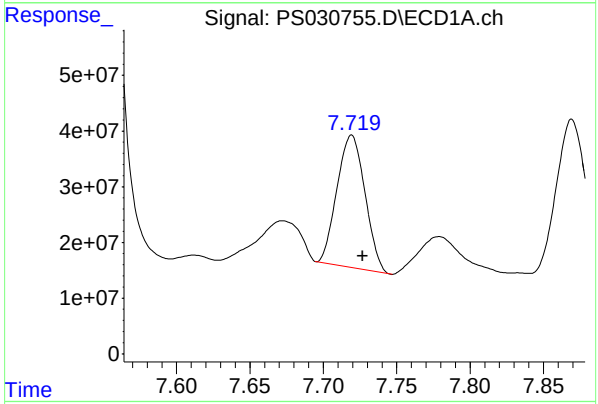
R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 5737421113
Conc: 377.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD



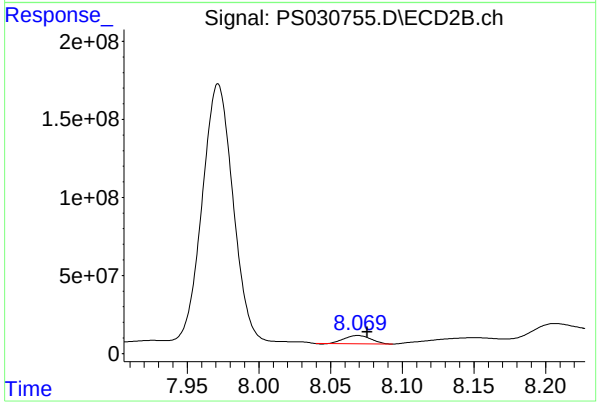
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: 0.000 min
Response: 2441267572
Conc: 372.53 ng/ml



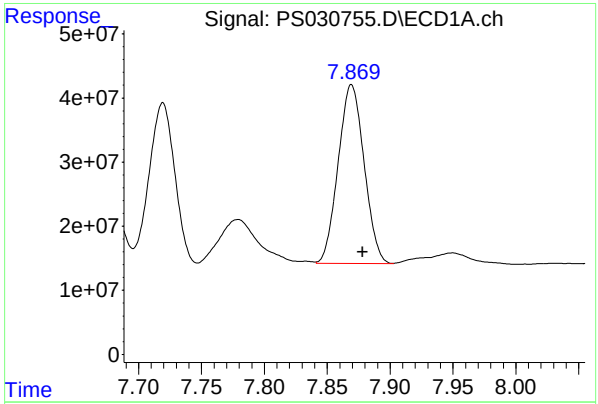
#6 MCPP

R.T.: 7.719 min
Delta R.T.: -0.008 min
Response: 315494014
Conc: 33.60 ug/ml



#6 MCPP

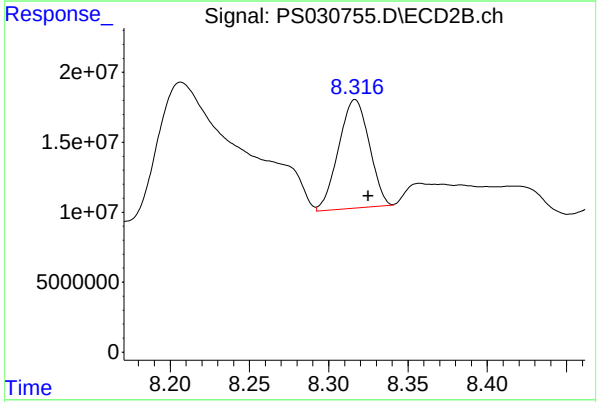
R.T.: 8.069 min
Delta R.T.: -0.007 min
Response: 68111174
Conc: 32.48 ug/ml



#7 MCPA

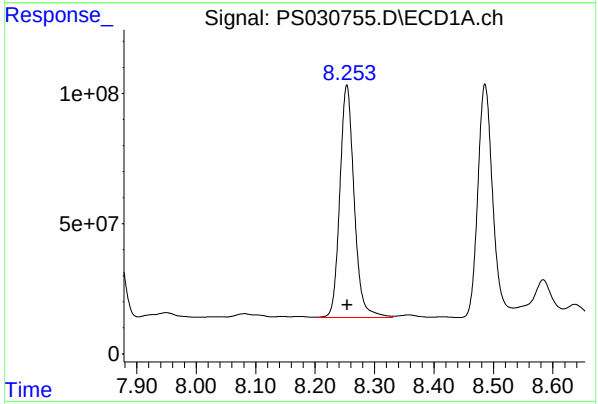
R.T.: 7.869 min
Delta R.T.: -0.009 min
Response: 400661760
Conc: 34.16 ug/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD



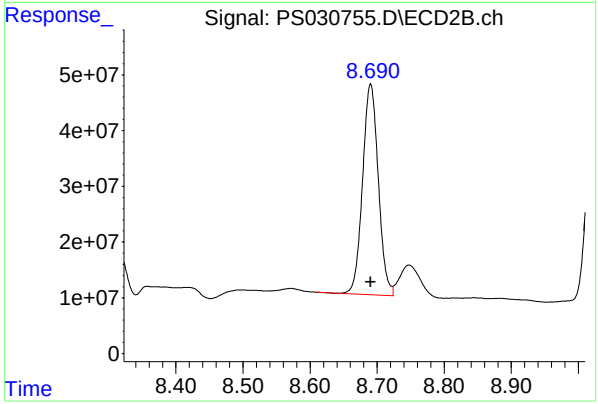
#7 MCPA

R.T.: 8.317 min
Delta R.T.: -0.008 min
Response: 104096426
Conc: 33.09 ug/ml



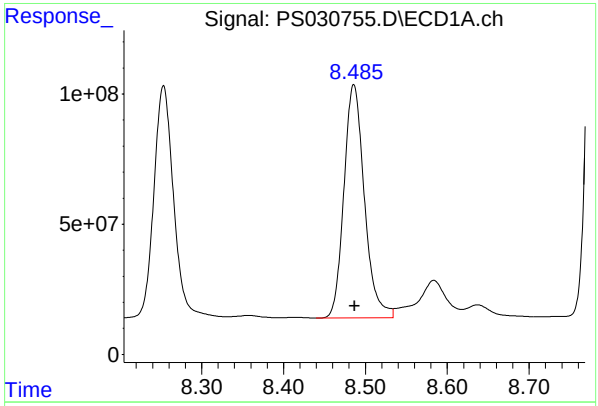
#8 DICHLORPROP

R.T.: 8.253 min
Delta R.T.: 0.000 min
Response: 1494359842
Conc: 398.95 ng/ml



#8 DICHLORPROP

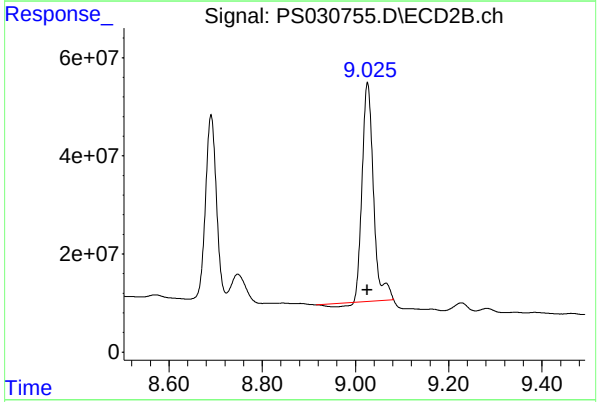
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 615568578
Conc: 391.46 ng/ml



#9 2,4-D

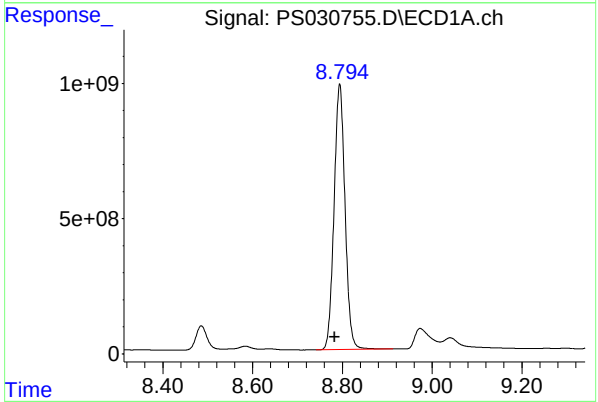
R.T.: 8.486 min
Delta R.T.: -0.001 min
Response: 1556859197
Conc: 452.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD



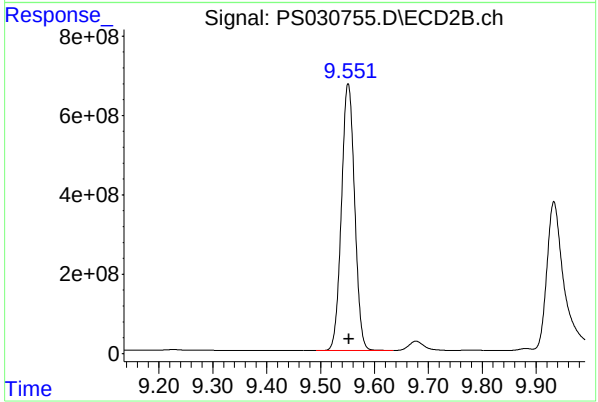
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 741109721
Conc: 436.10 ng/ml



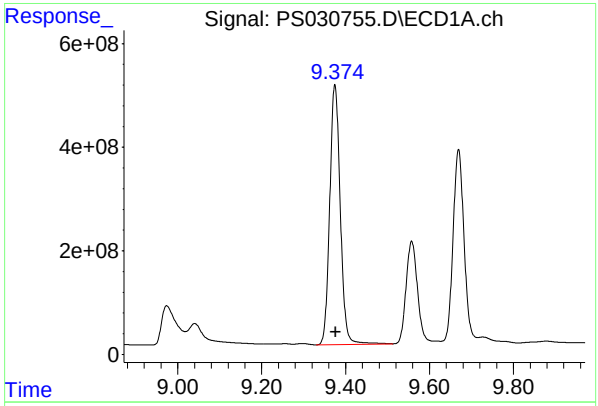
#10 Pentachlorophenol

R.T.: 8.794 min
Delta R.T.: 0.011 min
Response: 16668697570
Conc: 314.95 ng/ml



#10 Pentachlorophenol

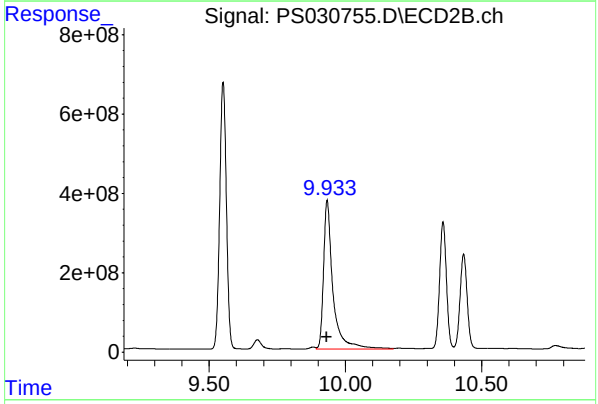
R.T.: 9.551 min
Delta R.T.: -0.002 min
Response: 11447965928
Conc: 300.30 ng/ml



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

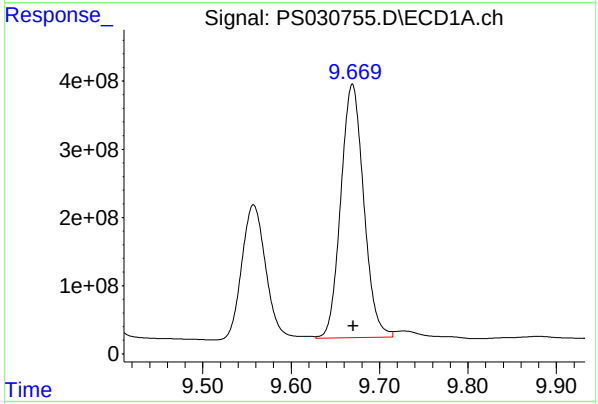
R.T.: 9.374 min
Delta R.T.: -0.002 min
Response: 8743520766
Conc: 436.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD



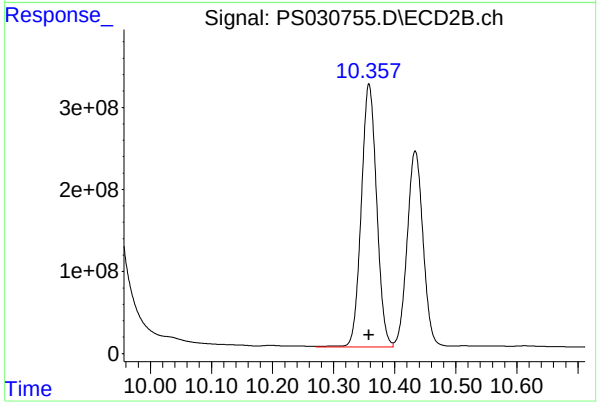
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.001 min
Response: 9004838590
Conc: 624.09 ng/ml



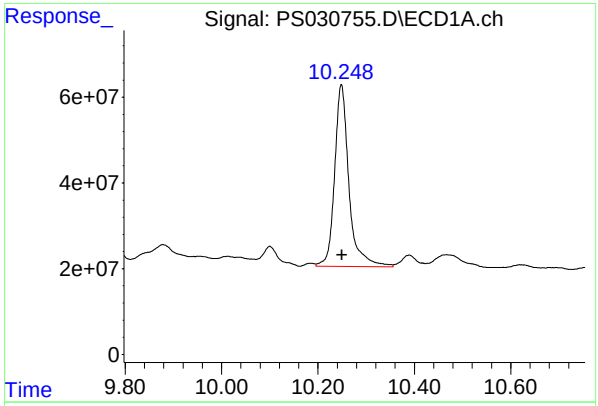
#12 2,4,5-T

R.T.: 9.669 min
Delta R.T.: 0.000 min
Response: 6701131745
Conc: 407.29 ng/ml



#12 2,4,5-T

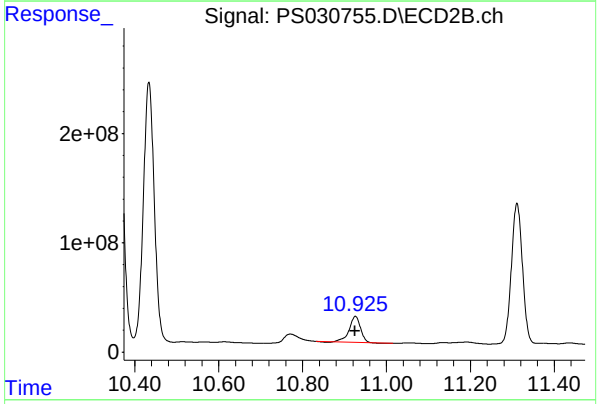
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 5619006910
Conc: 411.21 ng/ml



#13 2,4-DB

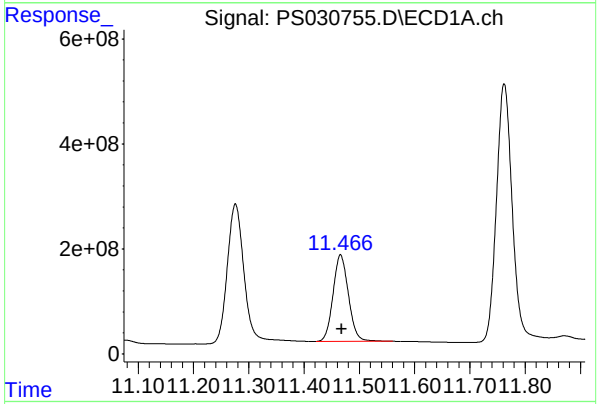
R.T.: 10.249 min
Delta R.T.: -0.001 min
Response: 876581339
Conc: 382.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD



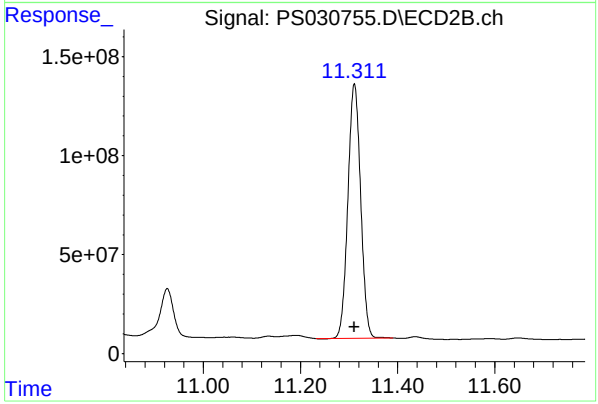
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 446868265
Conc: 377.77 ng/ml



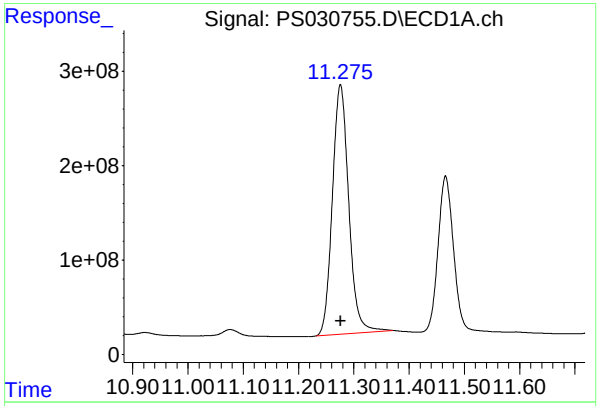
#14 DINOSEB

R.T.: 11.466 min
Delta R.T.: -0.002 min
Response: 3193719912
Conc: 230.21 ng/ml



#14 DINOSEB

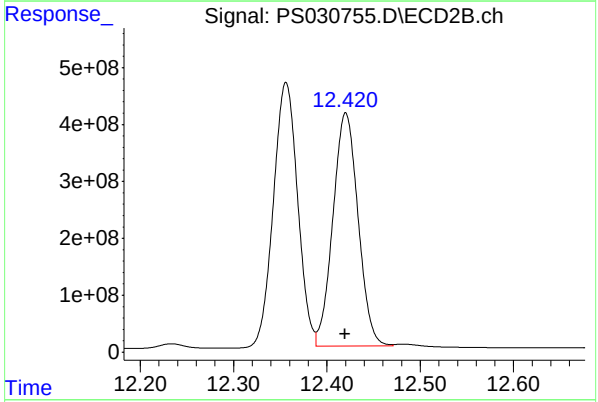
R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 2342689815
Conc: 217.29 ng/ml



#15 Picloram

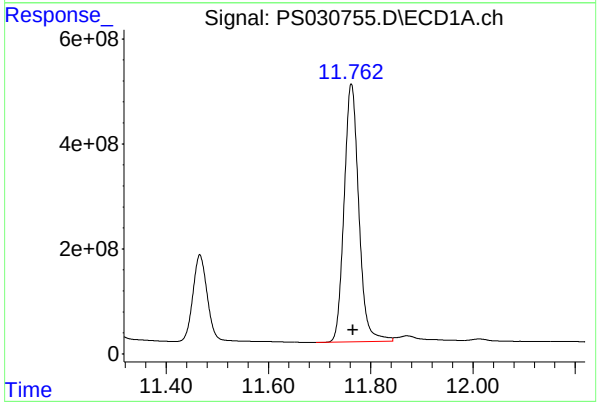
R.T.: 11.276 min
Delta R.T.: 0.000 min
Response: 5443758091
Conc: 338.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-3MSD



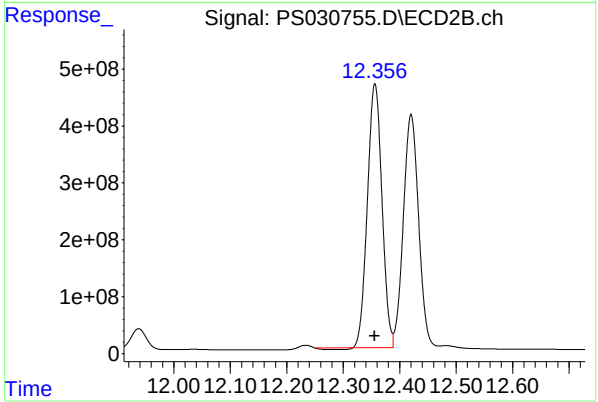
#15 Picloram

R.T.: 12.420 min
Delta R.T.: 0.000 min
Response: 7683402781
Conc: 330.59 ng/ml



#16 DCPA

R.T.: 11.762 min
Delta R.T.: -0.003 min
Response: 9803049875
Conc: 382.69 ng/ml



#16 DCPA

R.T.: 12.356 min
Delta R.T.: 0.000 min
Response: 8274262318
Conc: 375.37 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030757.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 11:06
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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	7.348	7.771	3125.1E6	803.7E6	850.511	749.747
		Target Compounds						
1)	T	Dalapon	2.713	2.713	4148.7E6	1852.4E6	695.430	675.645
2)	T	3,5-DICHL...	6.507	6.716	3815.5E6	1127.6E6	709.515	699.028
3)	T	4-Nitroph...	7.148	7.302	1094.8E6	1180.8E6	694.301	681.131
5)	T	DICAMBA	7.539	7.973	11195.5E6	4720.4E6	735.818	720.321
6)	T	MCPP	7.720	8.072	699.5E6	161.8E6	74.504	77.164
7)	T	MCPA	7.871	8.322	860.6E6	232.5E6	73.361	73.896
8)	T	DICHLORPROP	8.252	8.692	2546.5E6	1070.7E6	679.828	680.891
9)	T	2,4-D	8.485	9.028	2400.5E6	1160.5E6	696.918	682.909
10)	T	Pentachlo...	8.793	9.553	39394.6E6	28169.7E6	744.341	738.935
11)	T	2,4,5-TP ...	9.373	9.934	14659.4E6	10449.6E6	731.859	724.226
12)	T	2,4,5-T	9.667	10.360	12301.7E6	9980.4E6	747.681	730.383
13)	T	2,4-DB	10.245	10.927	1786.1E6	851.0E6	778.786	719.406
14)	T	DINOSEB	11.465	11.313	9855.8E6	7584.5E6	710.419	703.490
15)	T	Picloram	11.274	12.422	11528.6E6	16752.0E6	717.125	720.783
16)	T	DCPA	11.761	12.357	19342.2E6	16171.1E6	755.075	733.625

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

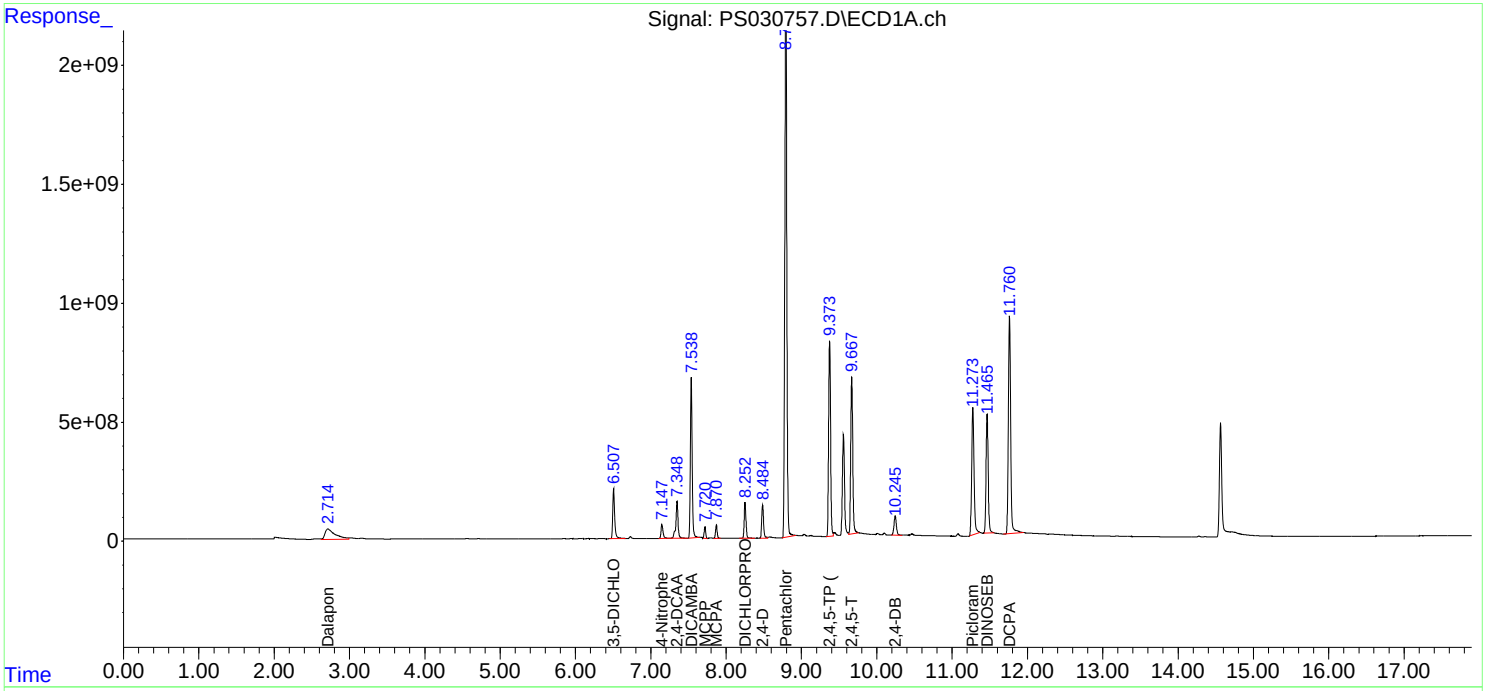
Quantitation Report (Not Reviewed)

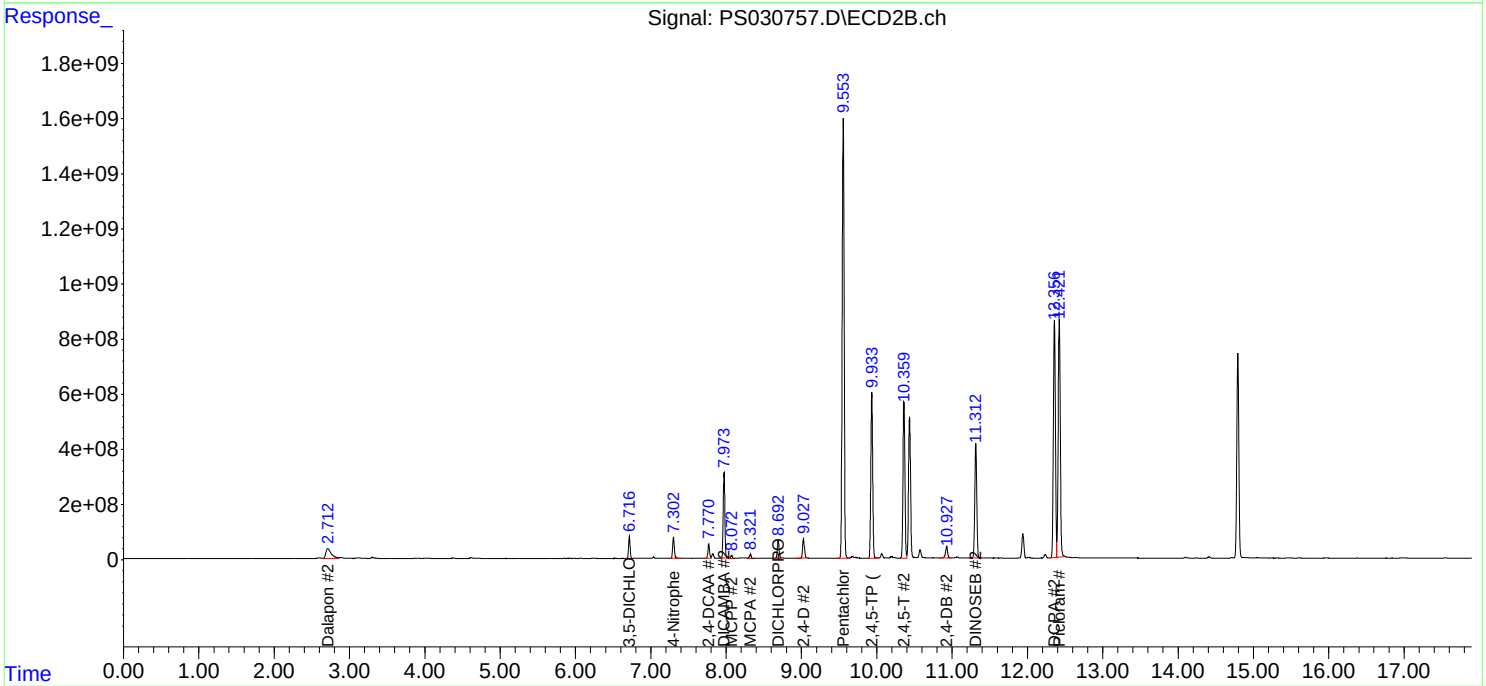
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061925\
Data File : PS030757.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jun 2025 11:06
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

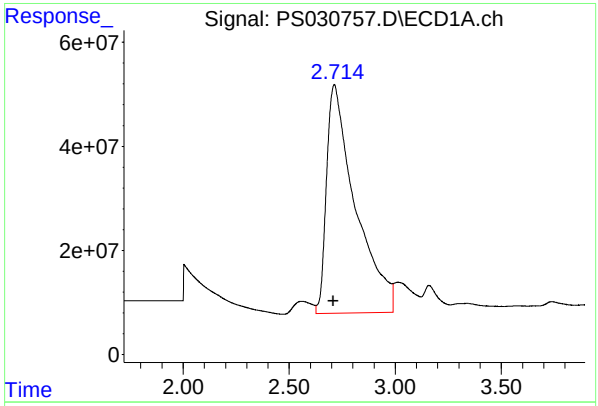
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 23:04:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 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



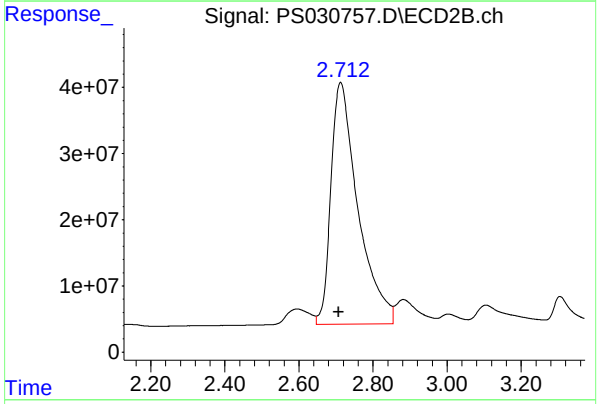




#1 Dalapon

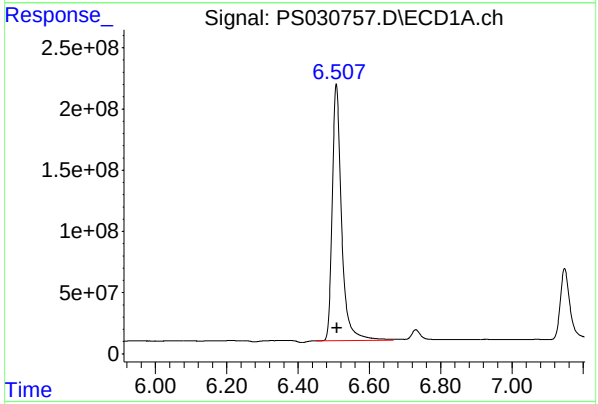
R.T.: 2.713 min
Delta R.T.: 0.005 min
Response: 4148678048
Conc: 695.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



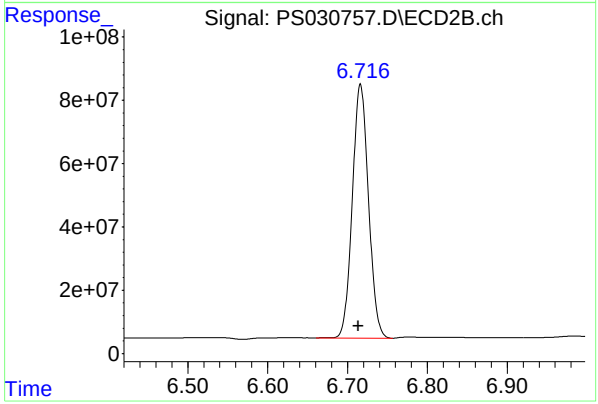
#1 Dalapon

R.T.: 2.713 min
Delta R.T.: 0.005 min
Response: 1852445578
Conc: 675.65 ng/ml



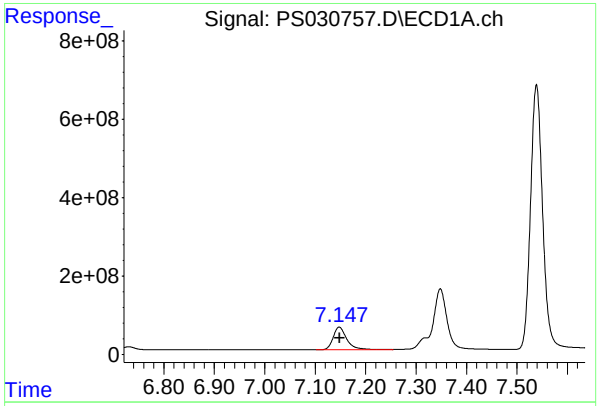
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.507 min
Delta R.T.: -0.002 min
Response: 3815451497
Conc: 709.51 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

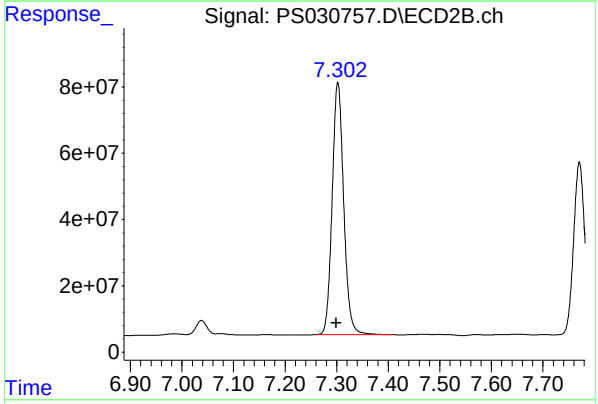
R.T.: 6.716 min
Delta R.T.: 0.003 min
Response: 1127637189
Conc: 699.03 ng/ml



#3 4-Nitrophenol

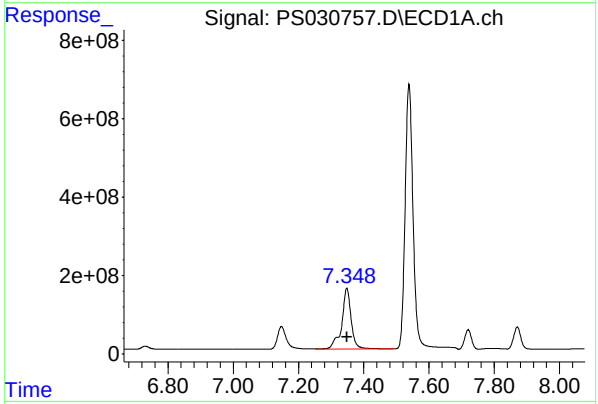
R.T.: 7.148 min
Delta R.T.: -0.001 min
Response: 1094751323
Conc: 694.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



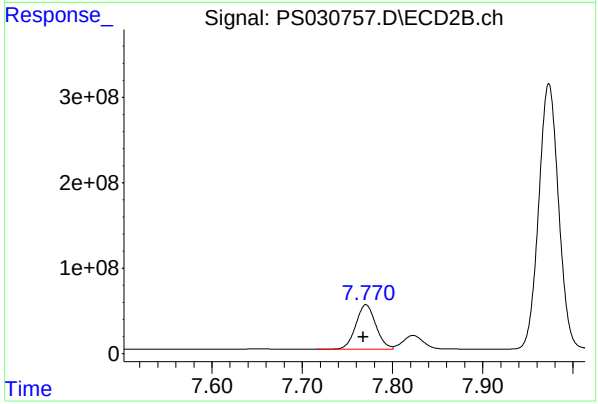
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.003 min
Response: 1180764197
Conc: 681.13 ng/ml



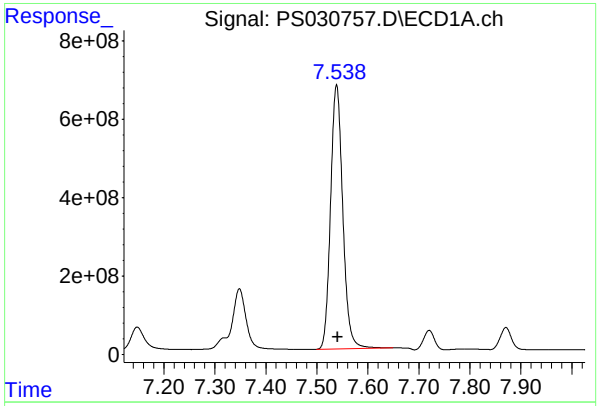
#4 2,4-DCAA

R.T.: 7.348 min
Delta R.T.: -0.001 min
Response: 3125114935
Conc: 850.51 ng/ml



#4 2,4-DCAA

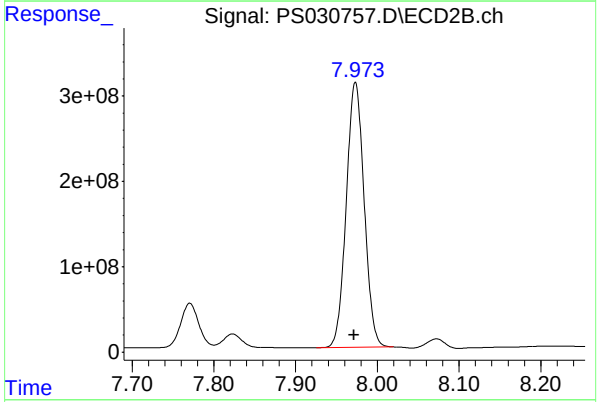
R.T.: 7.771 min
Delta R.T.: 0.003 min
Response: 803701138
Conc: 749.75 ng/ml



#5 DICAMBA

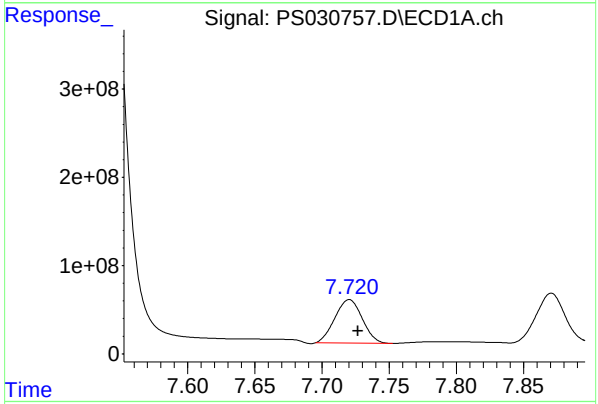
R.T.: 7.539 min
Delta R.T.: -0.002 mi
Response: 11195534373
Conc: 735.82 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



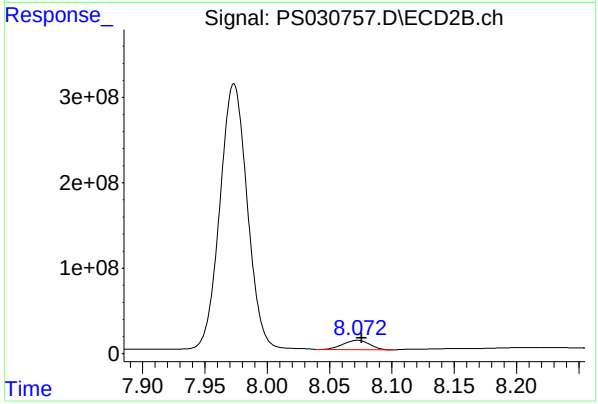
#5 DICAMBA

R.T.: 7.973 min
Delta R.T.: 0.002 min
Response: 4720417533
Conc: 720.32 ng/ml



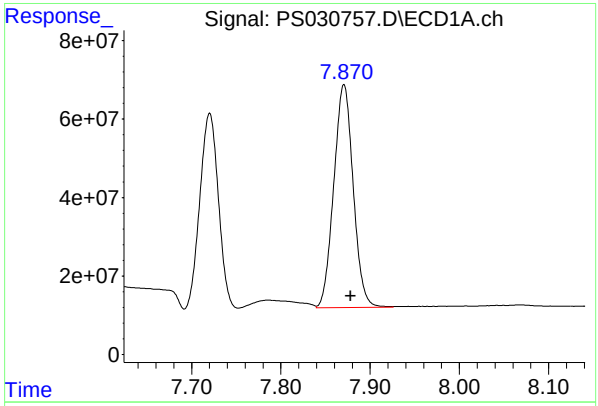
#6 MCPP

R.T.: 7.720 min
Delta R.T.: -0.007 min
Response: 699471539
Conc: 74.50 ug/ml



#6 MCPP

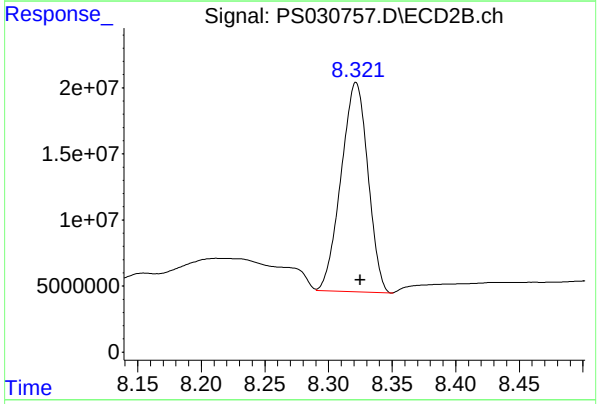
R.T.: 8.072 min
Delta R.T.: -0.003 min
Response: 161836245
Conc: 77.16 ug/ml



#7 MCPA

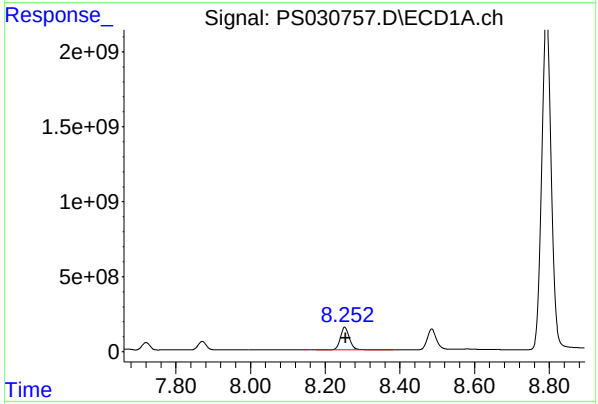
R.T.: 7.871 min
Delta R.T.: -0.007 min
Response: 860562954
Conc: 73.36 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



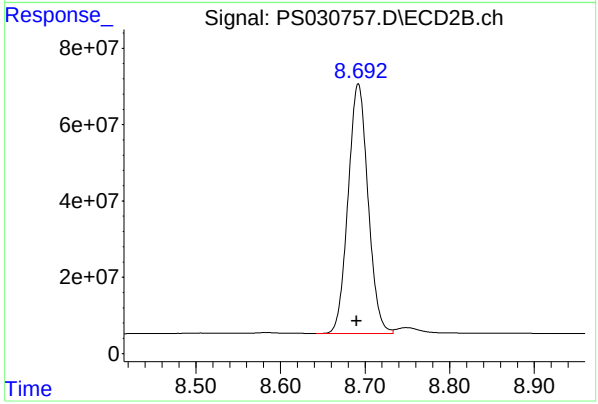
#7 MCPA

R.T.: 8.322 min
Delta R.T.: -0.003 min
Response: 232457459
Conc: 73.90 ug/ml



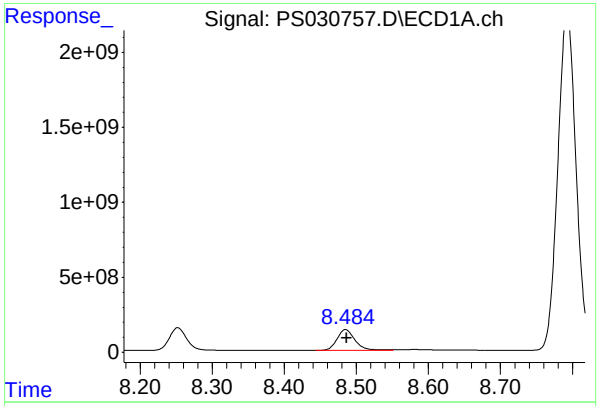
#8 DICHLORPROP

R.T.: 8.252 min
Delta R.T.: -0.002 min
Response: 2546475249
Conc: 679.83 ng/ml



#8 DICHLORPROP

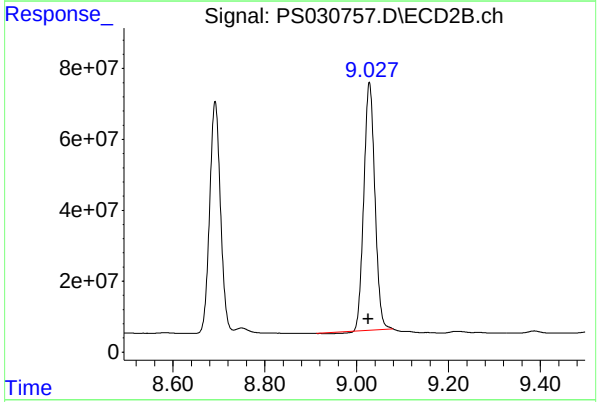
R.T.: 8.692 min
Delta R.T.: 0.002 min
Response: 1070697560
Conc: 680.89 ng/ml



#9 2,4-D

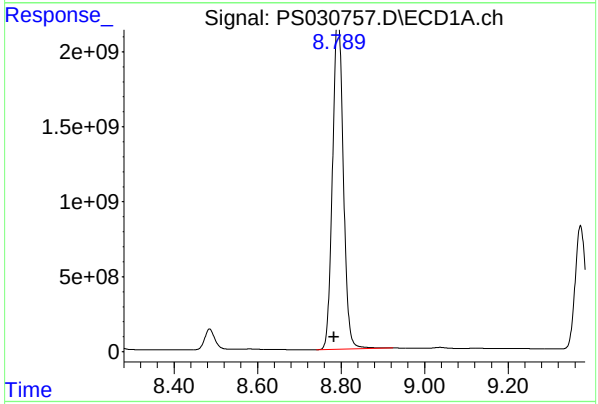
R.T.: 8.485 min
Delta R.T.: -0.002 min
Response: 2400473684
Conc: 696.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



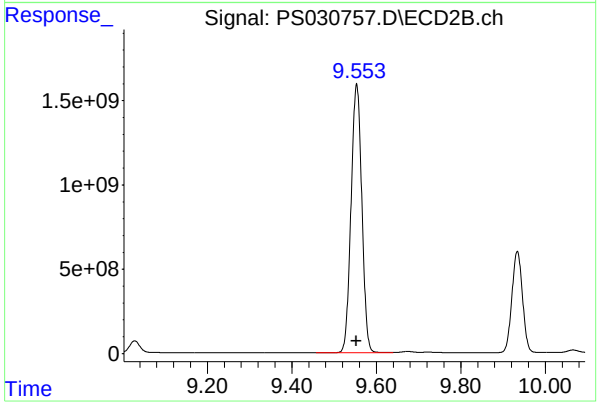
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: 0.002 min
Response: 1160538546
Conc: 682.91 ng/ml



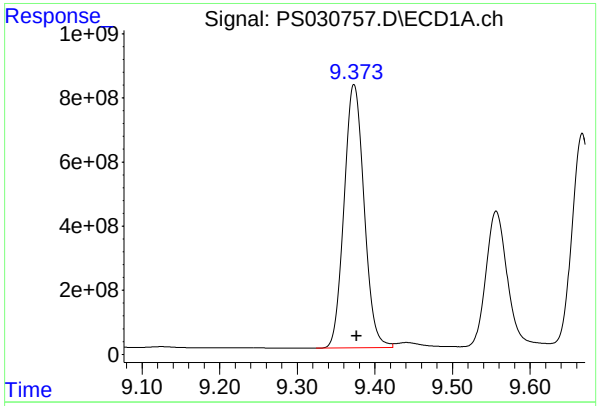
#10 Pentachlorophenol

R.T.: 8.793 min
Delta R.T.: 0.010 min
Response: 39394563324
Conc: 744.34 ng/ml



#10 Pentachlorophenol

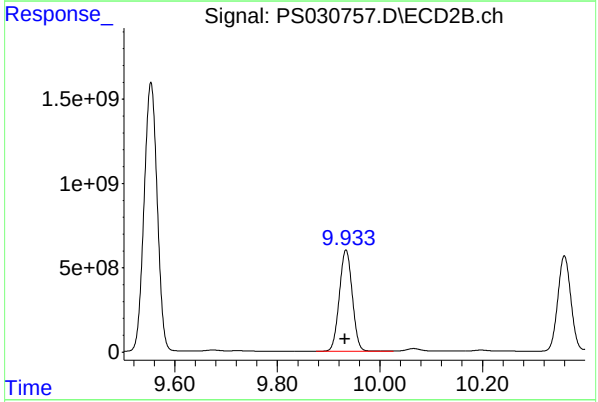
R.T.: 9.553 min
Delta R.T.: 0.000 min
Response: 28169737133
Conc: 738.93 ng/ml



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

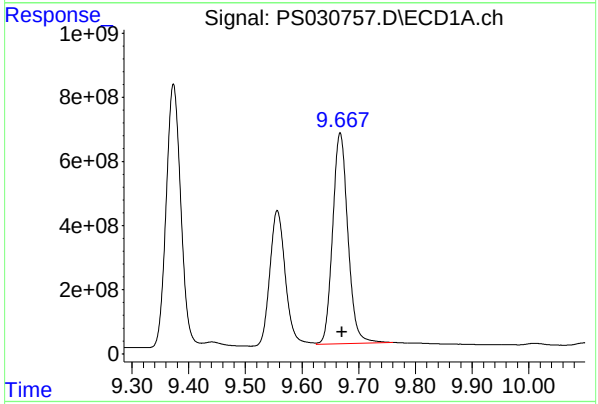
R.T.: 9.373 min
Delta R.T.: -0.003 min
Response: 14659435847
Conc: 731.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



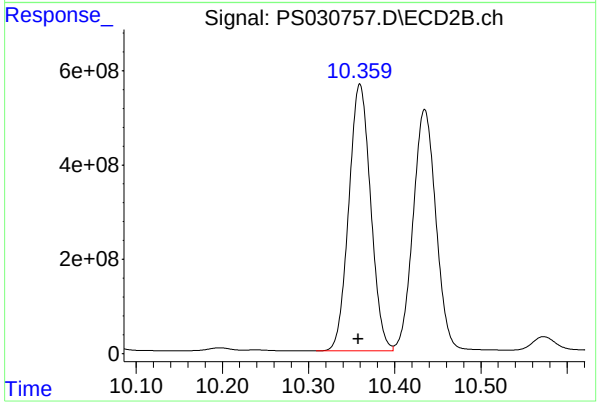
#11 2,4,5-TP (SILVEX)

R.T.: 9.934 min
Delta R.T.: 0.002 min
Response: 10449639949
Conc: 724.23 ng/ml



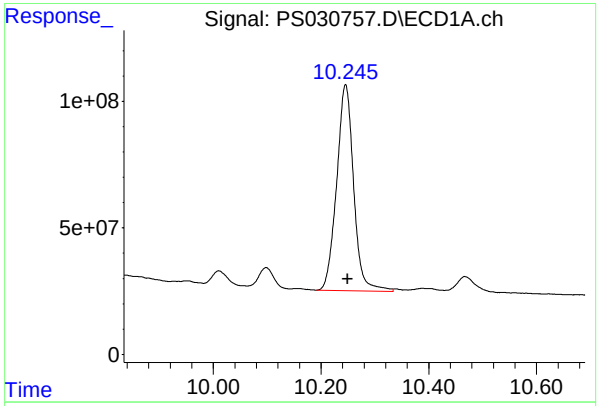
#12 2,4,5-T

R.T.: 9.667 min
Delta R.T.: -0.003 min
Response: 12301714505
Conc: 747.68 ng/ml



#12 2,4,5-T

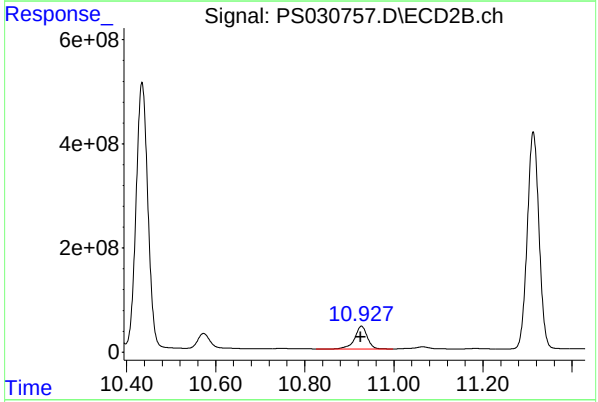
R.T.: 10.360 min
Delta R.T.: 0.002 min
Response: 9980404895
Conc: 730.38 ng/ml



#13 2,4-DB

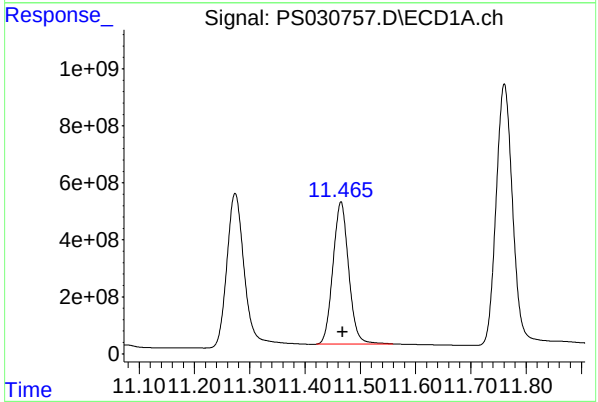
R.T.: 10.245 min
Delta R.T.: -0.004 min
Response: 1786148671
Conc: 778.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



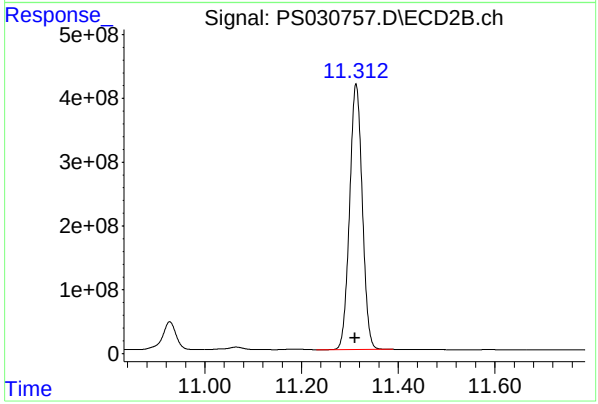
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.002 min
Response: 850987400
Conc: 719.41 ng/ml



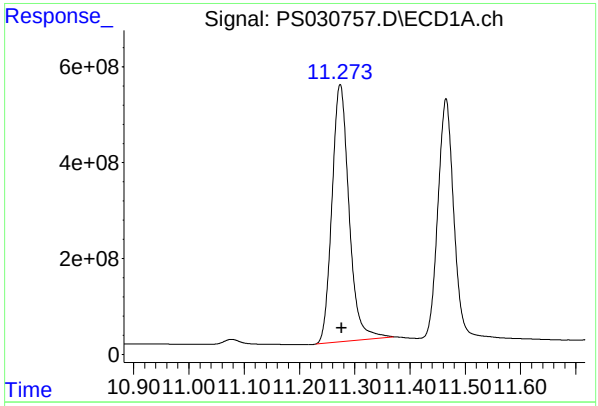
#14 DINOSEB

R.T.: 11.465 min
Delta R.T.: -0.003 min
Response: 9855766896
Conc: 710.42 ng/ml



#14 DINOSEB

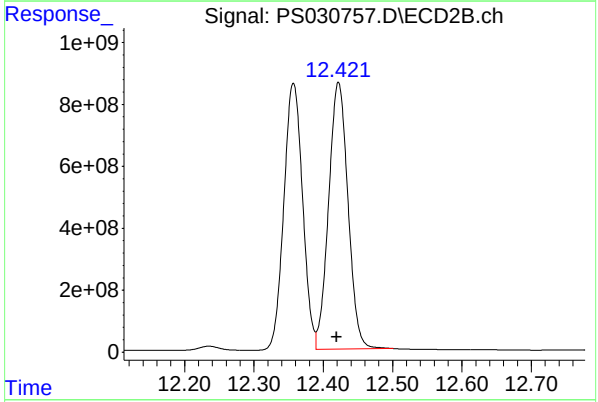
R.T.: 11.313 min
Delta R.T.: 0.002 min
Response: 7584503944
Conc: 703.49 ng/ml



#15 Picloram

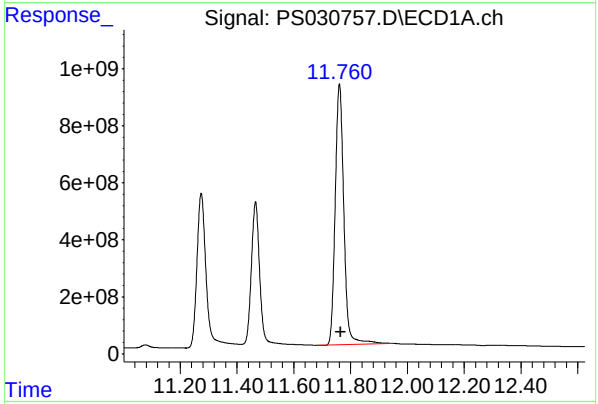
R.T.: 11.274 min
Delta R.T.: -0.003 min
Response: 11528585867
Conc: 717.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



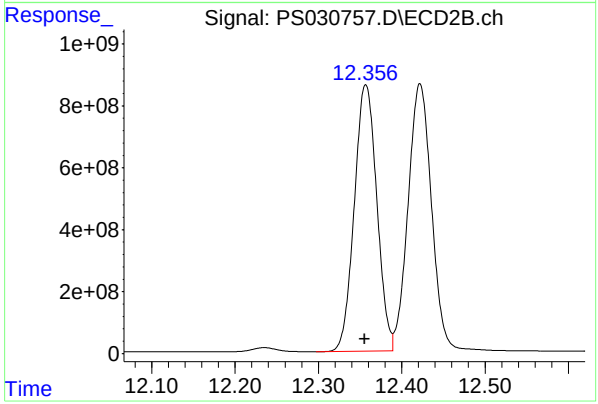
#15 Picloram

R.T.: 12.422 min
Delta R.T.: 0.003 min
Response: 16752030729
Conc: 720.78 ng/ml



#16 DCPA

R.T.: 11.761 min
Delta R.T.: -0.004 min
Response: 19342207257
Conc: 755.08 ng/ml



#16 DCPA

R.T.: 12.357 min
Delta R.T.: 0.001 min
Response: 16171136433
Conc: 733.62 ng/ml