284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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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 : Q2555

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Table Of Contents for Q2555

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-TS-29-070925 20
- 10.2) OU4-TS-30-070925 24
- 10.3) OU4-TS-30-070925RE 28

11) Calibration Data Summary 32

- 11.1) Initial Calibration Data 33
  - 11.1.1) PS071125 33
  - 11.1.2) PS072125 97
- 11.2) Continued Calibration Data 161
  - 11.2.1) PS031022.D 161
  - 11.2.2) PS031028.D 175
  - 11.2.3) PS031144.D 189
  - 11.2.4) PS031154.D 203
  - 11.2.5) PS031173.D 217
  - 11.2.6) PS031177.D 231
- 11.3) Analytical Seq 245

12) Compound Detection Summary 247

13) QC Sample Data 250

- 13.1) Method Blank Data 251
- 13.2) PIBLK Data 255
- 13.3) LCS Data 287
- 13.4) MS Data 298

13.5) MSD Data 308
14) Manual Integration 318
15) Analytical Runlogs 326
16) Percent Solid 338
17) Extraction Logs 342
17.1) PB168811.pdf 342
17.2) PB168811IC.pdf 344
18) Standard Prep Logs 345
19) Shipping Document 397
19.1) Chain Of Custody 398
19.2) Lab Certificate 399
19.3) Internal COC 400
20) Not Reviewed Data 401

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

Cover Page

Order ID : Q2555

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2555-01	OU4-TS-29-070925
Q2555-02	OU4-TS-29-070925
Q2555-03	OU4-TS-30-070925
Q2555-04	OU4-TS-30-070925

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 : **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 9:08 am, Jul 25, 2025

Date: 7/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2555
Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 07/10/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Herbicide Group1. 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 #: 11324. The 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 were met for all analysis except for OU4-TS-30-070925 [2,4-DCAA(1)25%] and OU4-TS-30-070925RE [2,4-DCAA(1)22%]the failure sample in surrogate was reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were met for all analysis.

The MS recoveries for {Q2529-10MS} with File ID: PS031145.D met requirements for all samples except for [2,4-DB(1)16% - 2,4-DB(2)16%], [Dalapon(1)19% - Dalapon(2)157%] and [Dinoseb(1)0% - Dinoseb(2)0%] due to matrix interference.

The MSD {Q2529-10MSD} with File ID: PS031146.D recoveries met requirements for all samples except for [2,4-DB(1)18% - 2,4-DB(2)16%], [Dalapon(1)21% - Dalapon(2)163%] and [Dinoseb(1)0% - Dinoseb(2)0%] due to matrix interference.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.

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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 APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:08 am, Jul 25, 2025

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2555 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. The Surrogate recoveries were met for all analysis except for OU4-TS-30-070925 [2,4-DCAA(1)25%] and OU4-TS-30-070925RE [2,4-DCAA(1)22%]the failure sample in surrogate was reanalyzed to confirm the results as per method and reported in the data.		✓	
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 recoveries for {Q2529-10MS} with File ID: PS031145.D met requirements for all samples except for [2,4-DB(1)16% - 2,4-DB(2)16%], [Dalapon(1)19% - Dalapon(2)157%] and [Dinoseb(1)0% - Dinoseb(2)0%] due to matrix interference. The MSD {Q2529-10MSD} with File ID: PS031146.D recoveries met requirements for all samples except for [2,4-DB(1)18% - 2,4-DB(2)16%], [Dalapon(1)21% - Dalapon(2)163%] and [Dinoseb(1)0% - Dinoseb(2)0%] due to matrix interference. The Blank Spike met requirements for all compounds. The RPD were met for all analysis.		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
8.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
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

REVIEWED

By Sohil Jodhani, QA/QC Director at 8:40 am, Jul 25, 2025

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2555

	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:** 07/24/2025

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LAB CHRONICLE

OrderID:	Q2555	**OrderDate:**	7/10/2025 10:17:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-01	**OU4-TS-29-070925**	**SOIL**			**07/09/25**			**07/10/25**
			Herbicide Group1	8151A		07/11/25	07/22/25	
			PCB	8082A		07/11/25	07/11/25	
Q2555-03	**OU4-TS-30-070925**	**SOIL**			**07/09/25**			**07/10/25**
			Herbicide Group1	8151A		07/11/25	07/19/25	
			PCB	8082A		07/11/25	07/14/25	
Q2555-03RE	**OU4-TS-30-070925RE**	**SOIL**			**07/09/25**			**07/10/25**
			Herbicide Group1	8151A		07/11/25	07/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2555 **Order ID:** Q2555

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

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Surrogate Summary

SDG No.: Q2555

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PS031005.D	PIBLK-PS031005.D	2,4-DCAA	1	500	356	71		32	138
		2,4-DCAA	2	500	496	99		32	138
I.BLK-PS031021.D	PIBLK-PS031021.D	2,4-DCAA	1	500	459	92		32	138
		2,4-DCAA	2	500	490	98		32	138
PB168811BL	PB168811BL	2,4-DCAA	1	500	401	80		27	122
		2,4-DCAA	2	500	474	95		27	122
PB168811BS	PB168811BS	2,4-DCAA	1	500	517	103		27	122
		2,4-DCAA	2	500	456	91		27	122
I.BLK-PS031027.D	PIBLK-PS031027.D	2,4-DCAA	1	500	428	86		32	138
		2,4-DCAA	2	500	483	97		32	138
I.BLK-PS031143.D	PIBLK-PS031143.D	2,4-DCAA	1	500	473	95		32	138
		2,4-DCAA	2	500	506	101		32	138
Q2529-10MS	TP-30MS	2,4-DCAA	1	500	155	31		27	122
		2,4-DCAA	2	500	220	44		27	122
Q2529-10MSD	TP-30MSD	2,4-DCAA	1	500	180	36		27	122
		2,4-DCAA	2	500	257	51		27	122
Q2555-03	OU4-TS-30-070925	2,4-DCAA	1	500	127	25	*	27	122
		2,4-DCAA	2	500	158	32		27	122
I.BLK-PS031153.D	PIBLK-PS031153.D	2,4-DCAA	1	500	478	96		32	138
		2,4-DCAA	2	500	512	102		32	138
I.BLK-PS031156.D	PIBLK-PS031156.D	2,4-DCAA	1	500	397	79		32	138
		2,4-DCAA	2	500	504	101		32	138
I.BLK-PS031172.D	PIBLK-PS031172.D	2,4-DCAA	1	500	408	82		32	138
		2,4-DCAA	2	500	494	99		32	138
Q2555-03RE	OU4-TS-30-070925RE	2,4-DCAA	1	500	112	22	*	27	122
		2,4-DCAA	2	500	147	29		27	122
Q2555-01	OU4-TS-29-070925	2,4-DCAA	1	500	165	33		27	122
		2,4-DCAA	2	500	217	43		27	122
I.BLK-PS031176.D	PIBLK-PS031176.D	2,4-DCAA	1	500	417	83		32	138
		2,4-DCAA	2	500	495	99		32	138

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2555 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS031145.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2529-10MS (Column 1)**	**Client Sample ID:**		**TP-30MS**								
	DICAMBA	182.3	0	83.6	ug/Kg	46				38	132	
	Dalapon	182.3	0	35.5	ug/Kg	19	*			70	130	
	DICHLORPROP	182.3	0	84.5	ug/Kg	46				28	155	
	2,4-D	182.3	0	179	ug/Kg	98				28	144	
	2,4,5-TP(Silvex)	182.3	0	98.3	ug/Kg	54				43	129	
	2,4,5-T	182.3	0	121	ug/Kg	66				31	138	
	2,4-DB	182.3	0	30.0	ug/Kg	16	*			34	142	
	Dinoseb	182.3	0	0	ug/Kg	0	*			57	152	
Lab Sample ID:	**Q2529-10MS (Column 2)**	**Client Sample ID:**		**TP-30MS**								
	DICAMBA	182.3	0	82.7	ug/Kg	45				38	132	
	Dalapon	182.3	0	287	ug/Kg	157	*			70	130	
	DICHLORPROP	182.3	0	90.6	ug/Kg	50				28	155	
	2,4-D	182.3	0	152	ug/Kg	83				28	144	
	2,4,5-TP(Silvex)	182.3	0	284	ug/Kg	156				43	129	
	2,4,5-T	182.3	0	85.0	ug/Kg	47				31	138	
	2,4-DB	182.3	0	29.1	ug/Kg	16	*			34	142	
	Dinoseb	182.3	0	0	ug/Kg	0	*			57	152	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2555 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS031146.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2529-10MSD (Column 1)**	**Client Sample ID:**		**TP-30MSD**								
	DICAMBA	182	0	98.6	ug/Kg	54		16		38	132	20
	Dalapon	182	0	38.8	ug/Kg	21	*	10		70	130	20
	DICHLORPROP	182	0	102	ug/Kg	56		20		28	155	20
	2,4-D	182	0	192	ug/Kg	105		7		28	144	20
	2,4,5-TP(Silvex)	182	0	117	ug/Kg	64		17		43	129	20
	2,4,5-T	182	0	143	ug/Kg	79		18		31	138	20
	2,4-DB	182	0	32.0	ug/Kg	18	*	12		34	142	20
	Dinoseb	182	0	0	ug/Kg	0	*	0		57	152	20
Lab Sample ID:	**Q2529-10MSD (Column 2)**	**Client Sample ID:**		**TP-30MSD**								
	DICAMBA	182	0	98.1	ug/Kg	54		18		38	132	20
	Dalapon	182	0	297	ug/Kg	163	*	4		70	130	20
	DICHLORPROP	182	0	107	ug/Kg	59		17		28	155	20
	2,4-D	182	0	164	ug/Kg	90		8		28	144	20
	2,4,5-TP(Silvex)	182	0	297	ug/Kg	163		4		43	129	20
	2,4,5-T	182	0	101	ug/Kg	55		16		31	138	20
	2,4-DB	182	0	29.0	ug/Kg	16	*	0		34	142	20
	Dinoseb	182	0	0	ug/Kg	0	*	0		57	152	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2555 **Analytical Method:** 8151A

Client: Nobis Group **Datafile :** PS031024.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168811BS (Column 1)	DICAMBA	166.6	156	ug/Kg	94				38	132	
	Dalapon	166.6	150	ug/Kg	90				70	130	
	DICHLORPROP	166.6	161	ug/Kg	97				28	155	
	2,4-D	166.6	185	ug/Kg	111				28	144	
	2,4,5-TP(Silvex)	166.6	174	ug/Kg	104				43	129	
	2,4,5-T	166.6	185	ug/Kg	111				31	138	
	2,4-DB	166.6	193	ug/Kg	116				34	142	
	Dinoseb	166.6	173	ug/Kg	104				57	152	
PB168811BS (Column 2)	DICAMBA	166.6	143	ug/Kg	86				38	132	
	Dalapon	166.6	140	ug/Kg	84				70	130	
	DICHLORPROP	166.6	143	ug/Kg	86				28	155	
	2,4-D	166.6	145	ug/Kg	87				28	144	
	2,4,5-TP(Silvex)	166.6	149	ug/Kg	89				43	129	
	2,4,5-T	166.6	149	ug/Kg	89				31	138	
	2,4-DB	166.6	146	ug/Kg	88				34	142	
	Dinoseb	166.6	144	ug/Kg	86				57	152	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168811BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2555

Lab Sample ID: PB168811BL | Lab File ID: PS031023.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/11/2025

Date Analyzed (1): 07/14/2025 | Date Analyzed (2): 07/14/2025

Time Analyzed (1): 17:10 | Time Analyzed (2): 17:10

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
PB168811BS	PB168811BS	PS031024.D	07/14/2025	07/14/2025
TP-30MS	Q2529-10MS	PS031145.D	07/18/2025	07/18/2025
TP-30MSD	Q2529-10MSD	PS031146.D	07/18/2025	07/18/2025
OU4-TS-30-070925	Q2555-03	PS031152.D	07/19/2025	07/19/2025
OU4-TS-29-070925	Q2555-01	PS031175.D	07/22/2025	07/22/2025

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:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	74.1 Decanted:
Sample Wt/Vol:	30.06 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
PS031175.D	1	07/11/25 08:50	07/22/25 14:12	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.044	U	0.010	0.044	0.090	mg/Kg
75-99-0	DALAPON	0.067	U	0.024	0.067	0.090	mg/Kg
120-36-5	DICHLORPROP	0.044	U	0.017	0.044	0.090	mg/Kg
94-75-7	2,4-D	0.044	U	0.012	0.044	0.090	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.044	U	0.012	0.044	0.090	mg/Kg
93-76-5	2,4,5-T	0.044	U	0.012	0.044	0.090	mg/Kg
94-82-6	2,4-DB	0.044	U	0.033	0.044	0.090	mg/Kg
88-85-7	DINOSEB	0.044	U	0.015	0.044	0.090	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	217		27 - 122		43%	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\PS072225\
Data File : PS031175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:12
Operator : AR\AJ
Sample : Q2555-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:54:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.322	7.764	716.8E6	219.9E6	164.853	216.617m#
	Target Compounds						

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

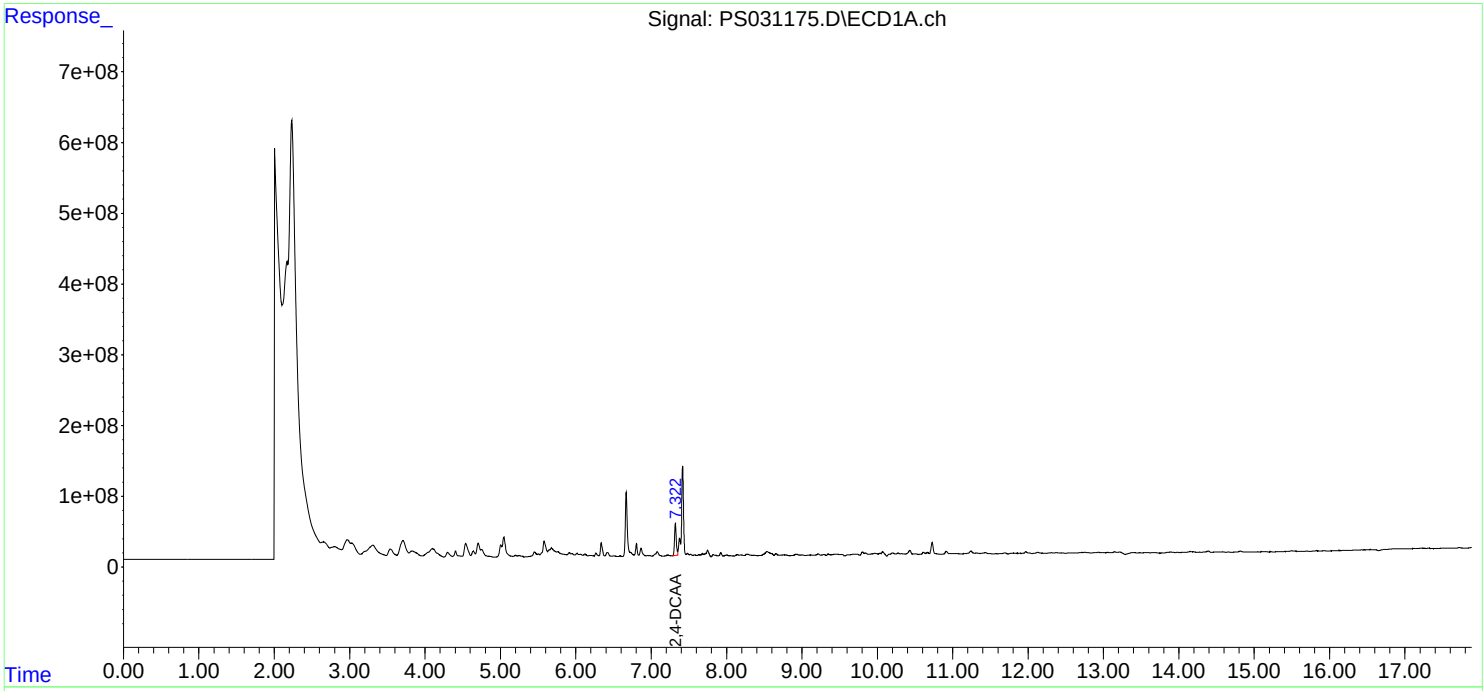
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:12
Operator : AR\AJ
Sample : Q2555-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

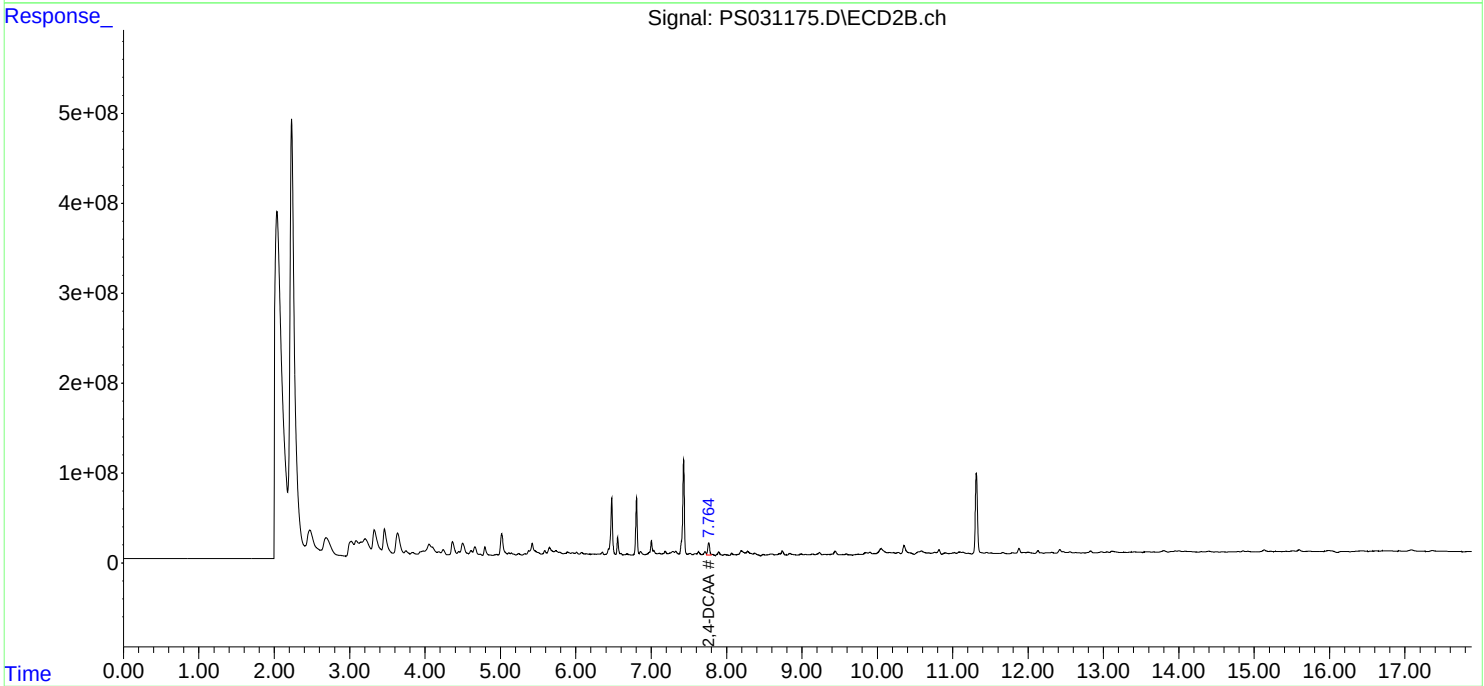
Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925

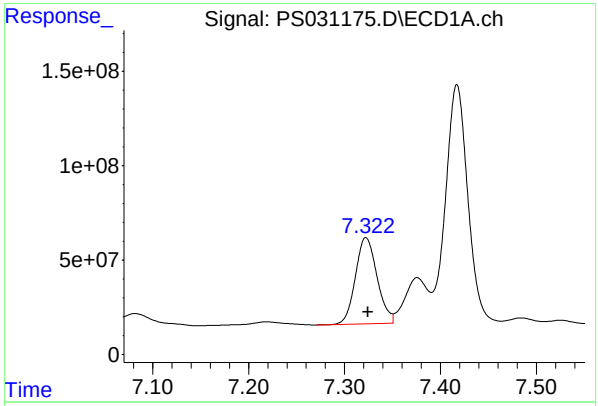
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:54:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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







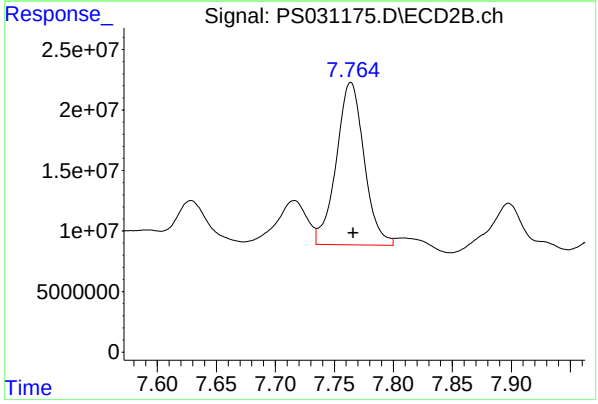
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.002 mi
Response: 716824375
Conc: 164.85 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 219859112
Conc: 216.62 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:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	76.6 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
PS031152.D	1	07/11/25 08:50	07/19/25 00:35	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.043	U	0.010	0.043	0.087	mg/Kg
75-99-0	DALAPON	0.065	U	0.023	0.065	0.087	mg/Kg
120-36-5	DICHLORPROP	0.043	U	0.017	0.043	0.087	mg/Kg
94-75-7	2,4-D	0.043	U	0.012	0.043	0.087	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.043	U	0.012	0.043	0.087	mg/Kg
93-76-5	2,4,5-T	0.043	U	0.011	0.043	0.087	mg/Kg
94-82-6	2,4-DB	0.043	U	0.032	0.043	0.087	mg/Kg
88-85-7	DINOSEB	0.043	U	0.014	0.043	0.087	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	158		27 - 122		32%	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\PS071825\
Data File : PS031152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jul 2025 00:35
Operator : AR\AJ
Sample : Q2555-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-30-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:18:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.324	7.764	501.6E6	163.2E6	126.834	157.509
	Target Compounds						

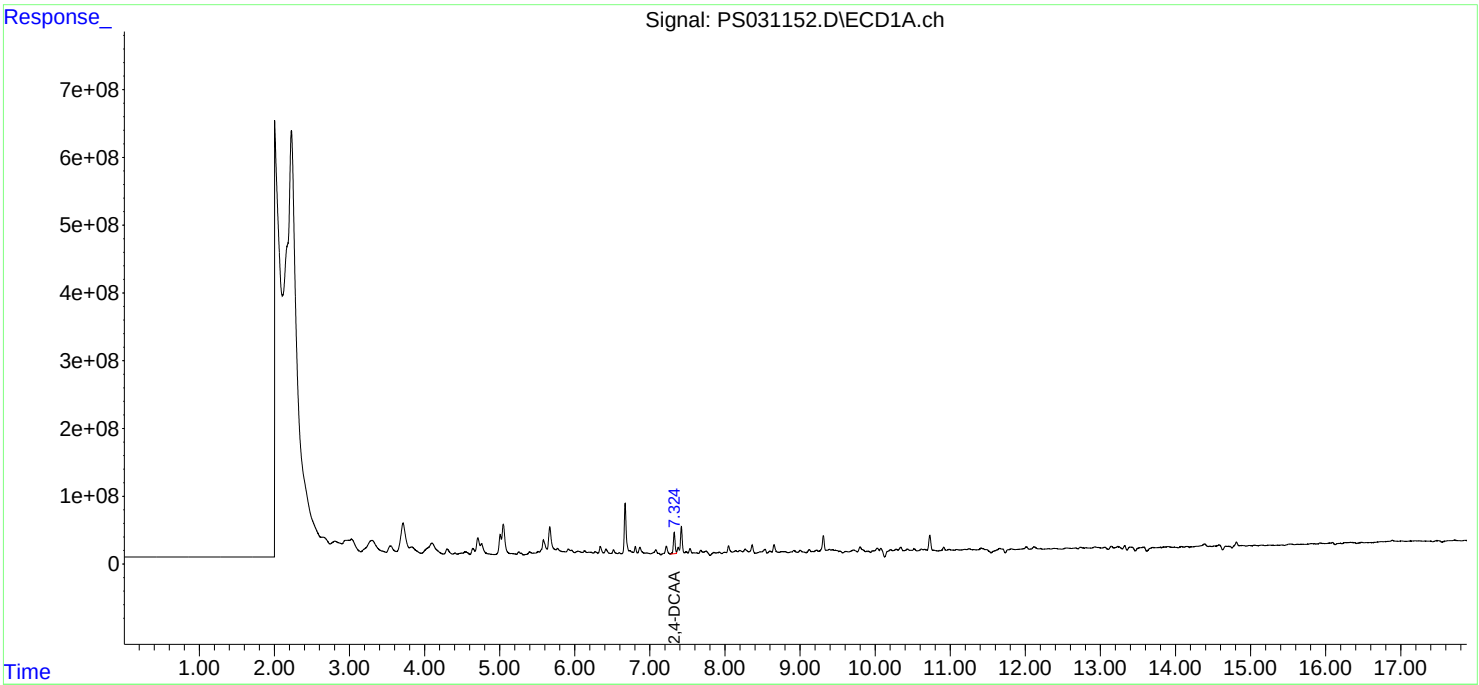
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

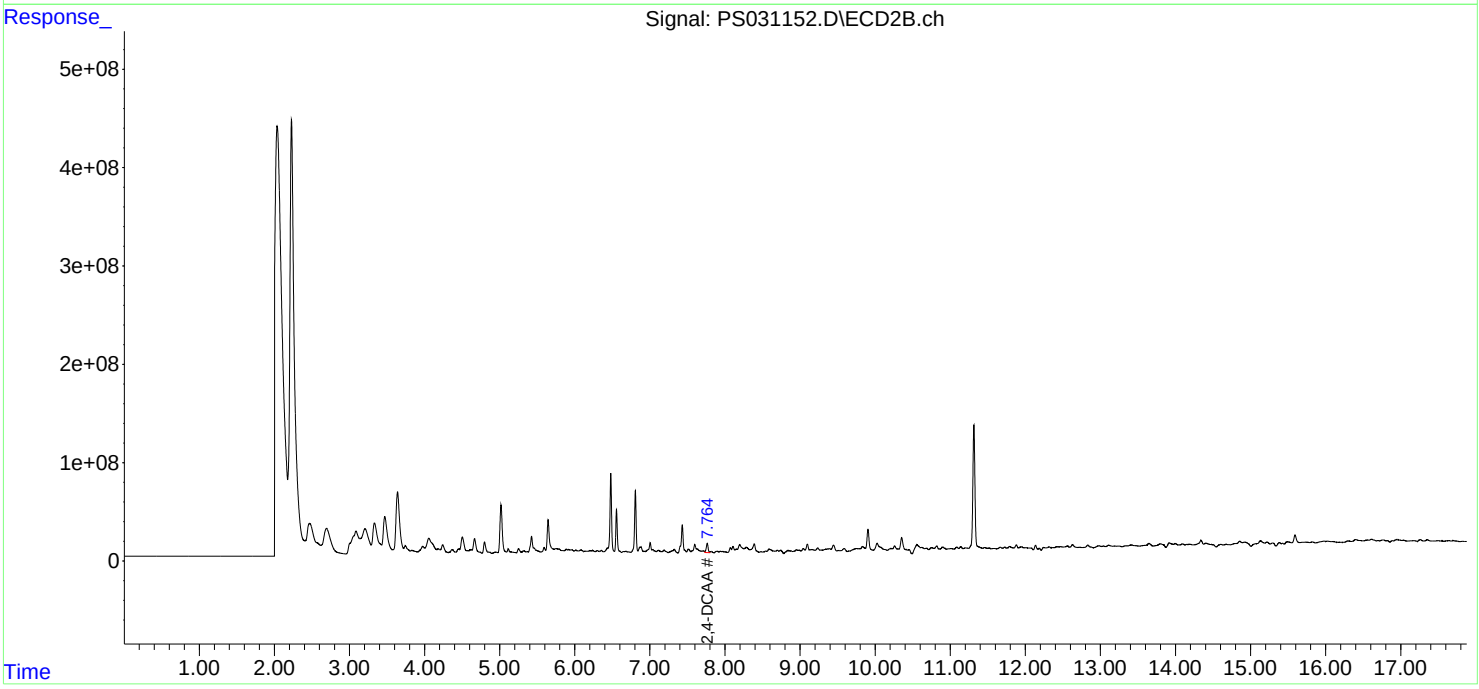
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jul 2025 00:35
Operator : AR\AJ
Sample : Q2555-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

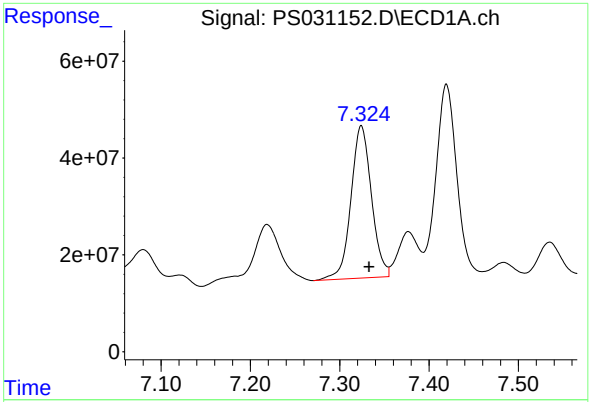
Instrument :
ECD_S
ClientSampleId :
OU4-TS-30-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:18:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



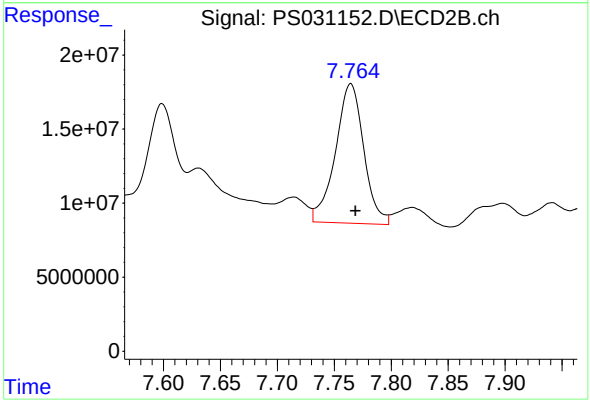




#4 2,4-DCAA

R.T.: 7.324 min
Delta R.T.: -0.009 min
Response: 501638352
Conc: 126.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-30-070925



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.004 min
Response: 163184611
Conc: 157.51 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:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925RE	SDG No.:	Q2555
Lab Sample ID:	Q2555-03RE	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	76.6 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
PS031174.D	1	07/11/25 08:50	07/22/25 13:48	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.043	U	0.010	0.043	0.087	mg/Kg
75-99-0	DALAPON	0.065	U	0.023	0.065	0.087	mg/Kg
120-36-5	DICHLORPROP	0.043	U	0.017	0.043	0.087	mg/Kg
94-75-7	2,4-D	0.043	U	0.012	0.043	0.087	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.043	U	0.012	0.043	0.087	mg/Kg
93-76-5	2,4,5-T	0.043	U	0.011	0.043	0.087	mg/Kg
94-82-6	2,4-DB	0.043	U	0.032	0.043	0.087	mg/Kg
88-85-7	DINOSEB	0.043	U	0.014	0.043	0.087	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	147		27 - 122		29%	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\PS072225\
Data File : PS031174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:48
Operator : AR\AJ
Sample : Q2555-03RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-30-070925RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:53:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.324	7.760	485.7E6	148.9E6	111.705	146.739	#
	Target Compounds							

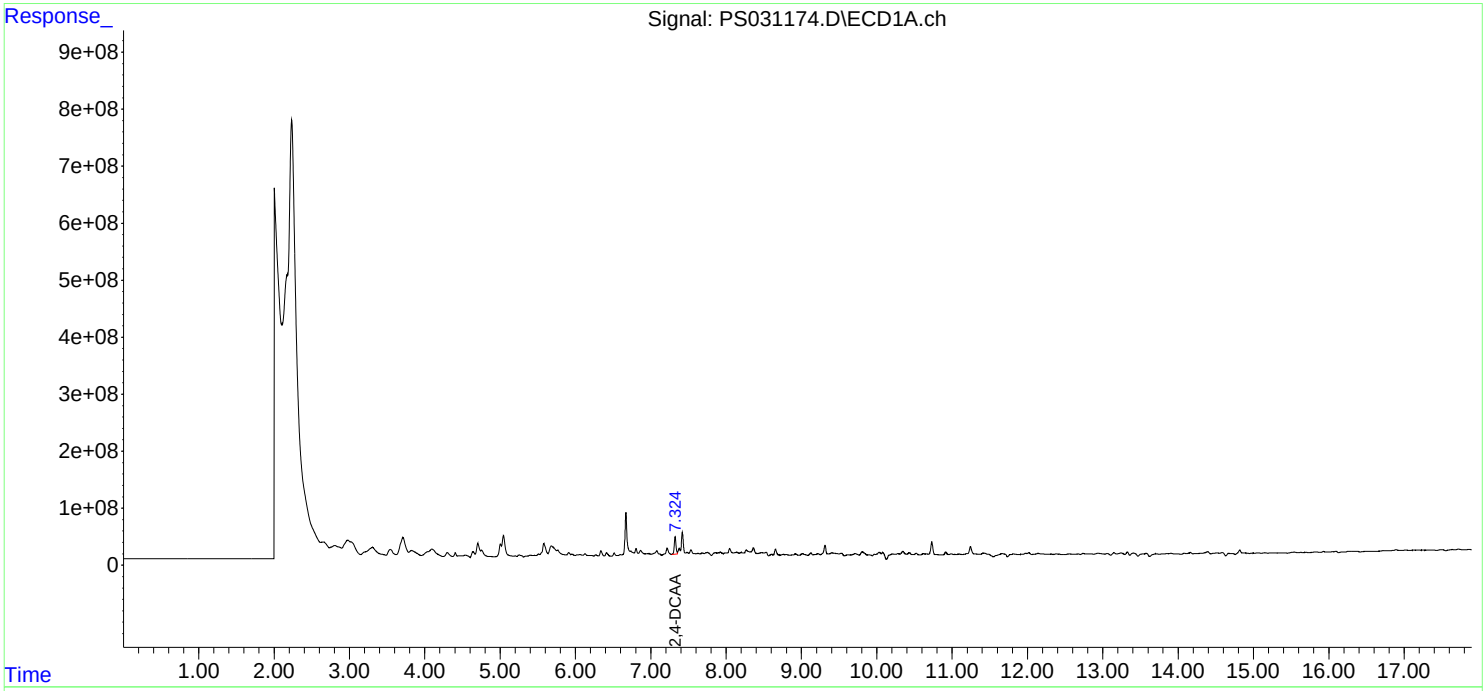
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

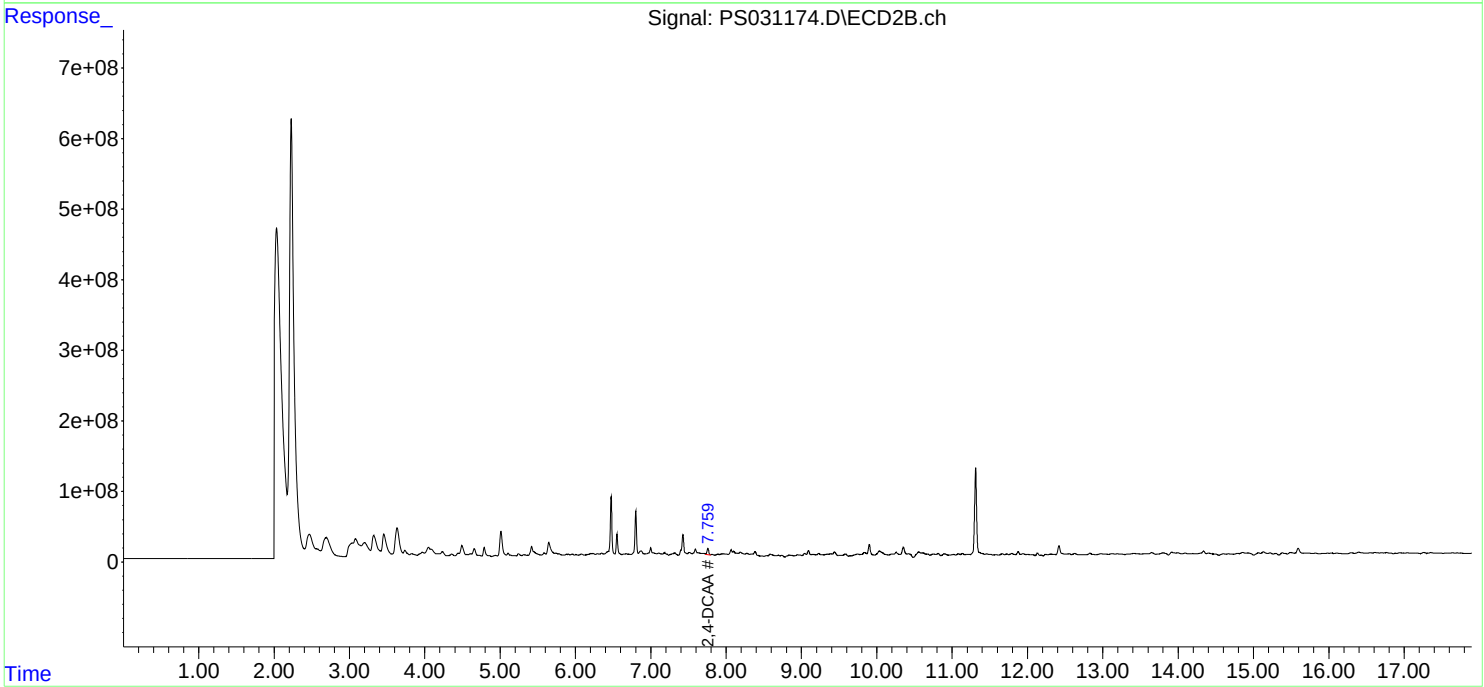
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031174.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:48
Operator : AR\AJ
Sample : Q2555-03RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

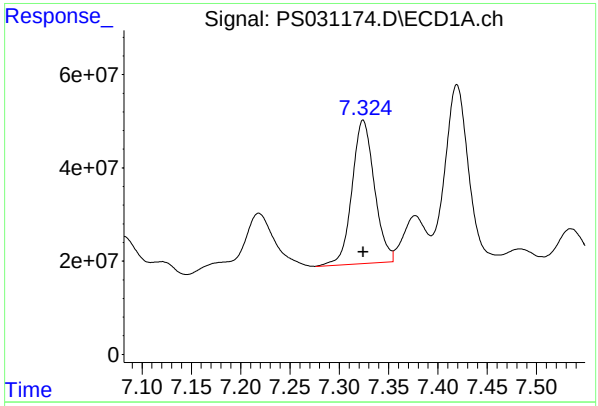
Instrument :
ECD_S
ClientSampleId :
OU4-TS-30-070925RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:53:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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



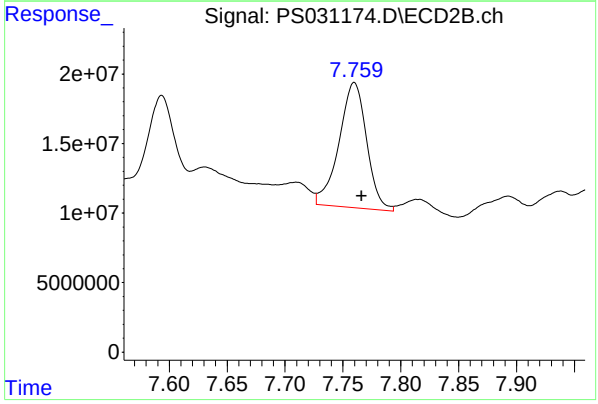




#4 2,4-DCAA

R.T.: 7.324 min
Delta R.T.: 0.000 min
Response: 485720193
Conc: 111.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-30-070925RE



#4 2,4-DCAA

R.T.: 7.760 min
Delta R.T.: -0.006 min
Response: 148935144
Conc: 146.74 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Instrument ID: ECD_S **Calibration Date(s):** 07/11/2025 07/11/2025

Calibration Times: 16:00 17:36

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

LAB FILE ID: RT 200 = PS031006.D RT 500 = PS031007.D

RT 750 = PS031008.D RT 1000 = PS031009.D RT 1500 = PS031010.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.65	9.65	9.65	9.65	9.65	9.65	9.55	9.75
2,4,5-TP(Silvex)	9.35	9.35	9.35	9.35	9.35	9.35	9.25	9.45
2,4-D	8.47	8.47	8.47	8.47	8.47	8.47	8.37	8.57
2,4-DB	10.23	10.23	10.23	10.22	10.22	10.22	10.12	10.32
2,4-DCAA	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Dalapon	2.70	2.70	2.70	2.70	2.70	2.70	2.60	2.80
DICAMBA	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
DICHLORPROP	8.23	8.23	8.24	8.23	8.23	8.23	8.13	8.33
Dinoseb	11.44	11.44	11.44	11.44	11.44	11.44	11.34	11.54

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Instrument ID: ECD_S **Calibration Date(s):** 07/11/2025 07/11/2025

Calibration Times: 16:00 17:36

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

LAB FILE ID: RT 200 = PS031006.D RT 500 = PS031007.D

RT 750 = PS031008.D RT 1000 = PS031009.D RT 1500 = PS031010.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

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

Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/11/2025 07/11/2025
Calibration Times: 16:00 17:36

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

LAB FILE ID: CF 200 = PS031006.D CF 500 = PS031007.D
CF 750 = PS031008.D CF 1000 = PS031009.D CF 1500 = PS031010.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16153700000	14634600000	14827200000	15218900000	15232300000	15213300000	4
2,4,5-TP(Silvex)	20737500000	18270800000	18189000000	18194100000	17662300000	18610700000	7
2,4-D	3556670000	2984170000	2931980000	2976850000	2942510000	3078440000	9
2,4-DB	2297930000	2042050000	2088340000	2166500000	2259130000	2170790000	5
2,4-DCAA	4821770000	3910250000	3755950000	3730170000	3557220000	3955070000	13
Dalapon	7468060000	5957260000	5787990000	5760680000	5484640000	6091720000	13
DICAMBA	18746100000	15451800000	15023600000	14973000000	14260000000	15690900000	11
DICHLORPROP	4147310000	3328120000	3223340000	3219630000	3107370000	3405150000	12
Dinoseb	14412500000	12754600000	12827100000	13048300000	12877100000	13183900000	5

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/11/2025 07/11/2025
Calibration Times: 16:00 17:36

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

LAB FILE ID: CF 200 = PS031006.D CF 500 = PS031007.D
CF 750 = PS031008.D CF 1000 = PS031009.D CF 1500 = PS031010.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16269400000	13765000000	13530200000	13537000000	12857400000	13991800000	9
2,4,5-TP(Silvex)	17216300000	14510800000	14174600000	14131100000	13346200000	14675800000	10
2,4-D	2058060000	1665160000	1617550000	1610710000	1545850000	1699460000	12
2,4-DB	1412490000	1151430000	1126050000	1131610000	1094330000	1183180000	11
2,4-DCAA	1258080000	1011280000	984071000	981302000	945431000	1036030000	12
Dalapon	3390690000	2798120000	2711180000	2715120000	2599190000	2842860000	11
DICAMBA	7306630000	6285710000	6261030000	6359950000	6168790000	6476420000	7
DICHLORPROP	1860680000	1491170000	1445400000	1431140000	1367910000	1519260000	13
Dinoseb	13202400000	11075600000	10918600000	11003800000	10557100000	11351500000	9

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:00
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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	7.332	7.769	964.4E6	251.6E6	256.754m	255.689
	Target Compounds						
1) T	Dalapon	2.699	2.707	1359.2E6	617.1E6	234.829	227.615
2) T	3,5-DICHL...	6.494	6.716	1194.0E6	350.5E6	239.542	238.175
3) T	4-Nitroph...	7.134	7.304	287.7E6	359.3E6	223.294	214.127
5) T	DICAMBA	7.522	7.970	3524.3E6	1373.6E6	234.582	219.396
6) T	MCPP	7.700	8.065	153.7E6	38941915	16.629	18.218
7) T	MCPA	7.850	8.313	193.7E6	62375962	18.027	19.647
8) T	DICHLORPROP	8.234	8.691	779.7E6	349.8E6	241.890	242.016
9) T	2,4-D	8.468	9.028	668.7E6	386.9E6	228.056	239.199
10) T	Pentachlo...	8.773	9.550	12014.7E6	8612.5E6	235.540	226.008
11) T	2,4,5-TP ...	9.353	9.932	3940.1E6	3271.1E6	216.622	230.772
12) T	2,4,5-T	9.649	10.359	3069.2E6	3091.2E6	206.998	228.467
13) T	2,4-DB	10.228	10.928	436.6E6	268.4E6	209.069	238.332
14) T	DINOSEB	11.441	11.310	2709.5E6	2482.1E6	211.237	227.323
15) T	Picloram	11.264	12.425	2682.2E6	4609.1E6	187.392	197.690
16) T	DCPA	11.736	12.355	5033.6E6	4982.0E6	215.340	227.114

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:00
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

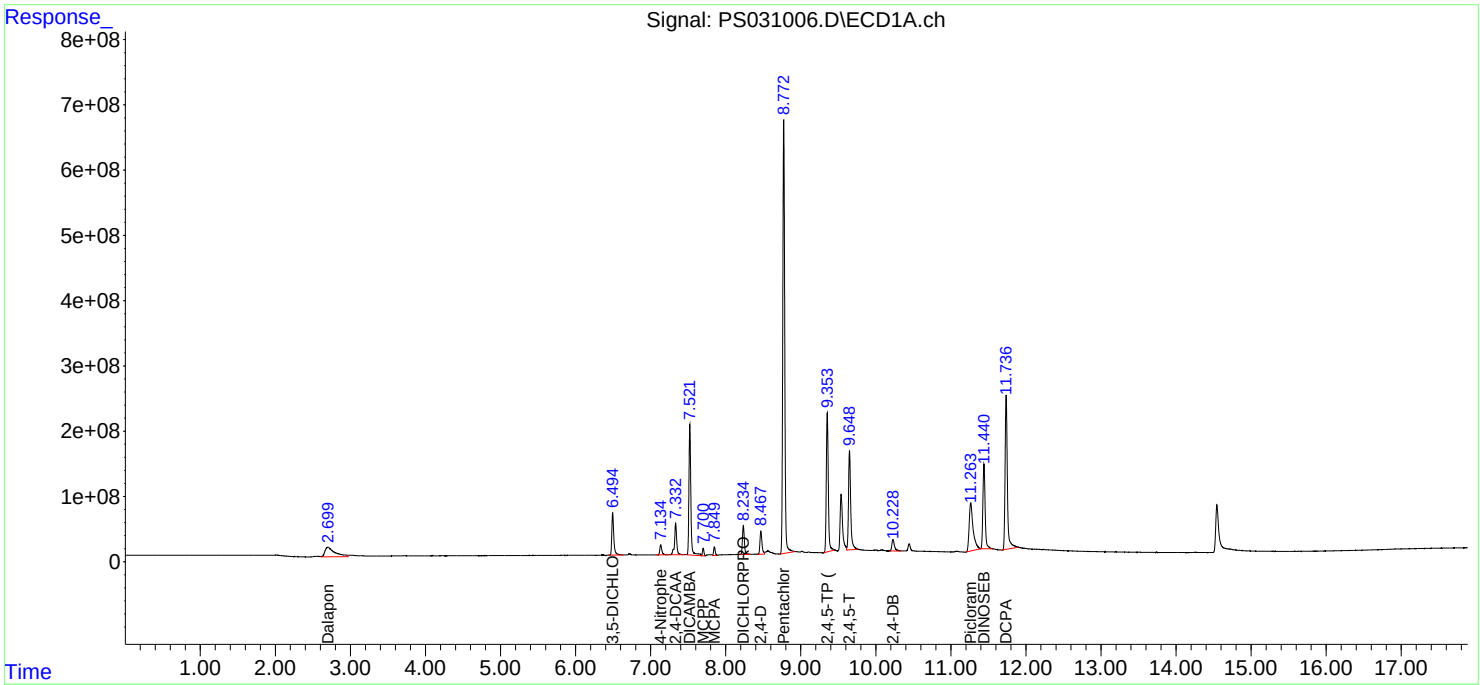
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

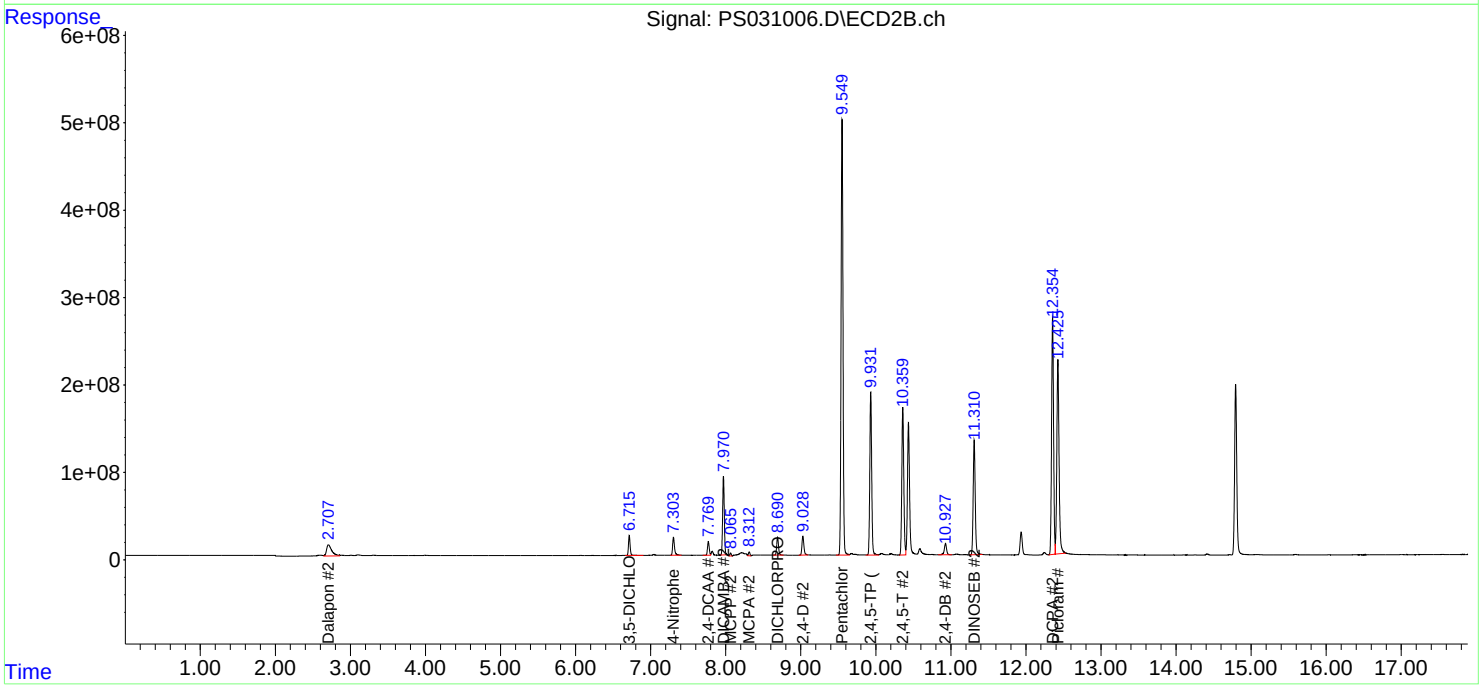
Manual Integrations APPROVED

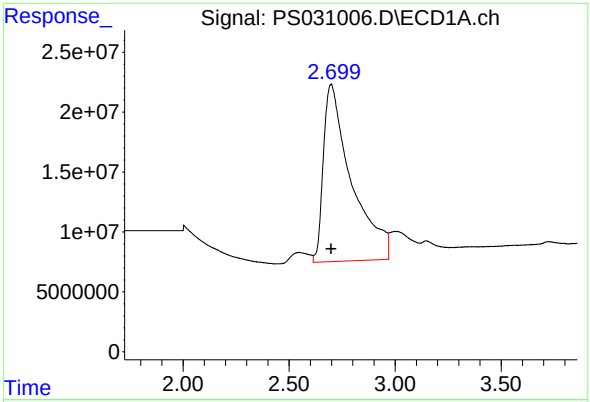
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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







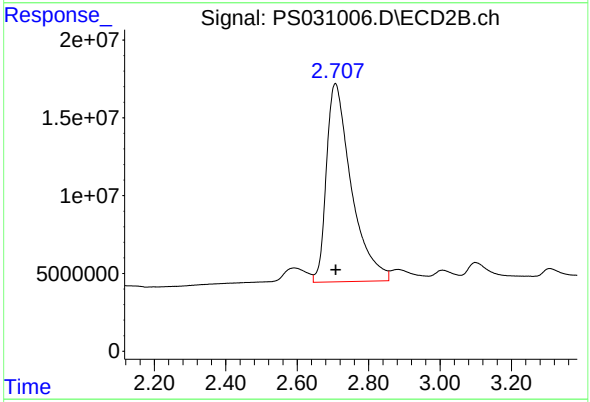
#1 Dalapon

R.T.: 2.699 min
Delta R.T.: 0.001 min
Response: 1359186439
Conc: 234.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

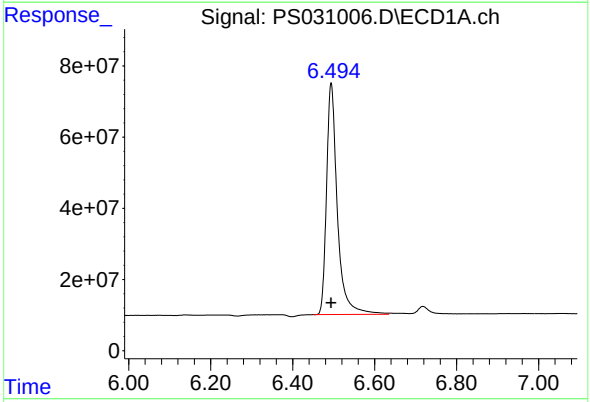
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



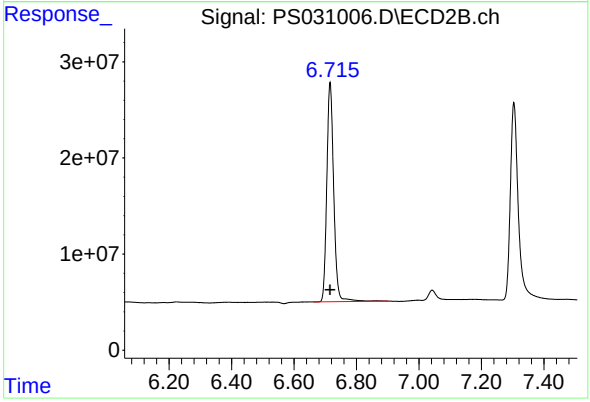
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: -0.001 min
Response: 617105162
Conc: 227.61 ng/ml



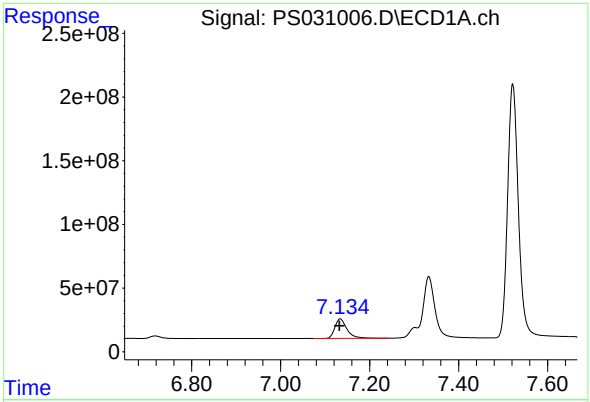
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 1193971988
Conc: 239.54 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 350541032
Conc: 238.18 ng/ml



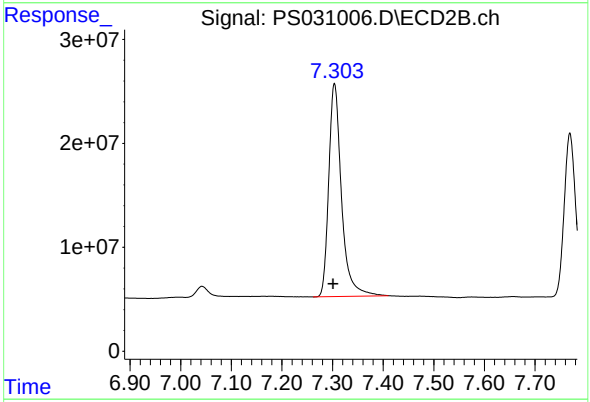
#3 4-Nitrophenol

R.T.: 7.134 min
Delta R.T.: 0.002 min
Response: 287711185
Conc: 223.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

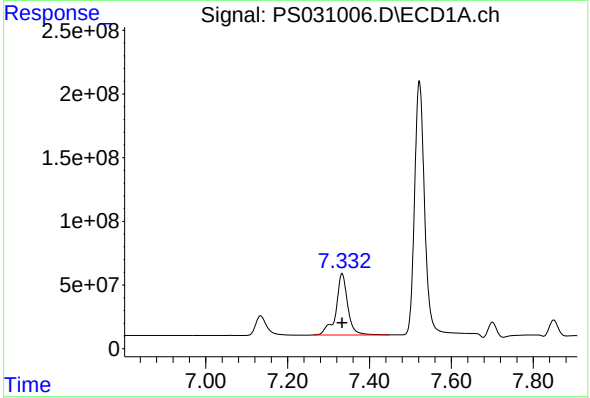
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



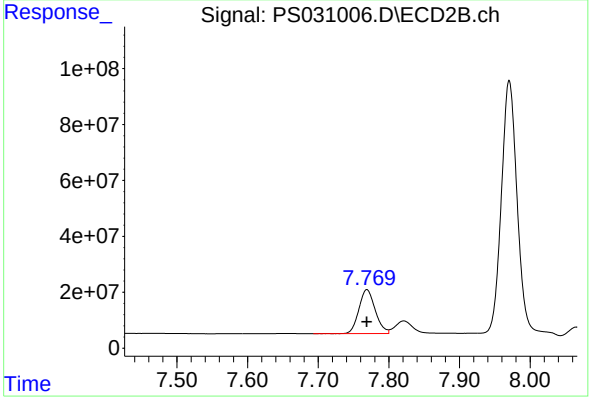
#3 4-Nitrophenol

R.T.: 7.304 min
Delta R.T.: 0.003 min
Response: 359307351
Conc: 214.13 ng/ml



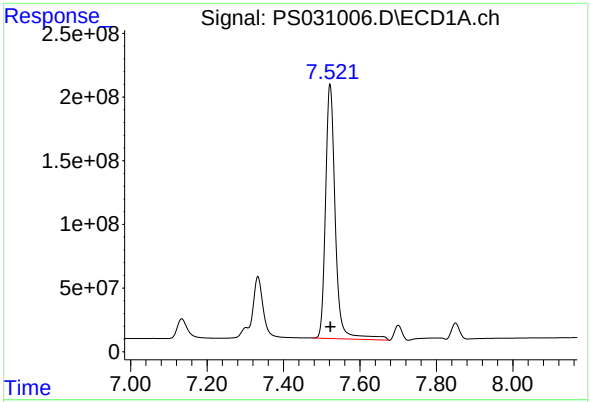
#4 2,4-DCAA

R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 964354651
Conc: 256.75 ng/ml m



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 251615771
Conc: 255.69 ng/ml



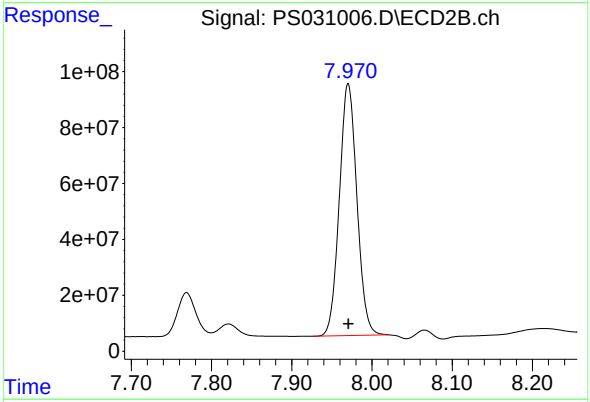
#5 DICAMBA

R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 3524272011
Conc: 234.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

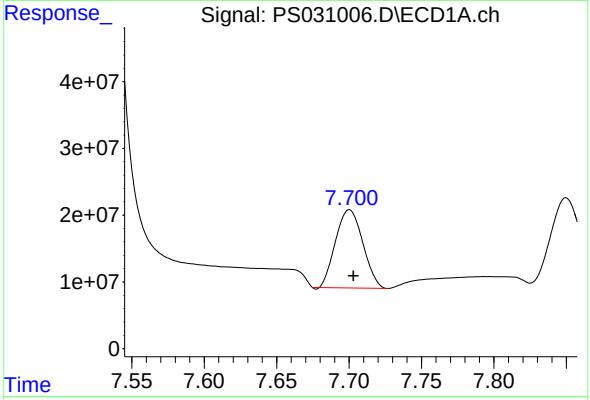
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



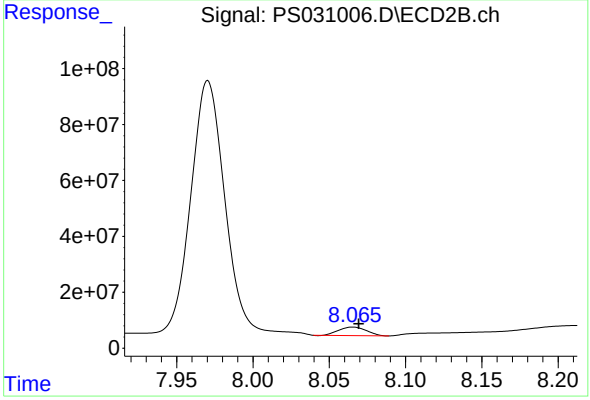
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 1373645814
Conc: 219.40 ng/ml



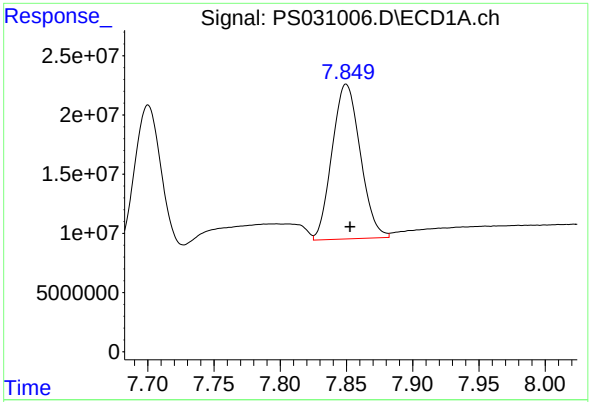
#6 MCPP

R.T.: 7.700 min
Delta R.T.: -0.003 min
Response: 153699251
Conc: 16.63 ug/ml



#6 MCPP

R.T.: 8.065 min
Delta R.T.: -0.004 min
Response: 38941915
Conc: 18.22 ug/ml



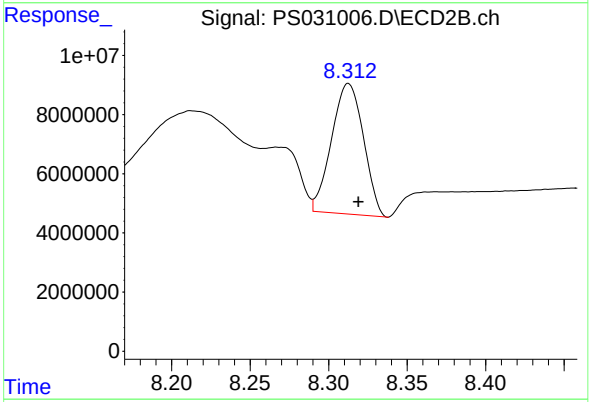
#7 MCPA

R.T.: 7.850 min
Delta R.T.: -0.003 min
Response: 193732588
Conc: 18.03 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

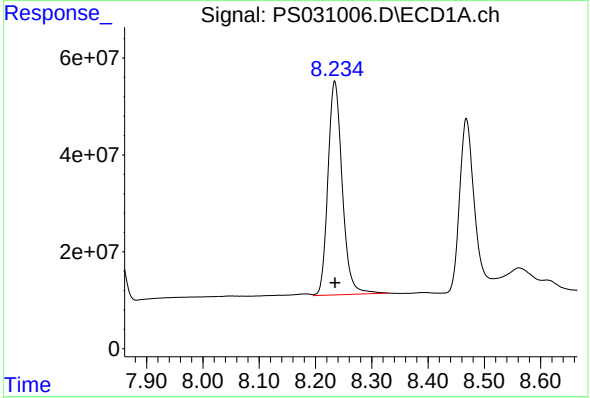
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



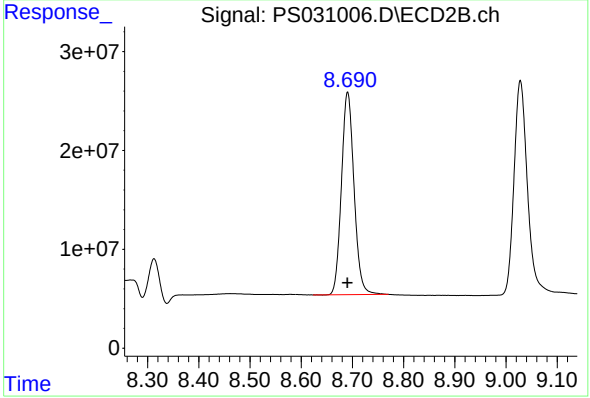
#7 MCPA

R.T.: 8.313 min
Delta R.T.: -0.006 min
Response: 62375962
Conc: 19.65 ug/ml



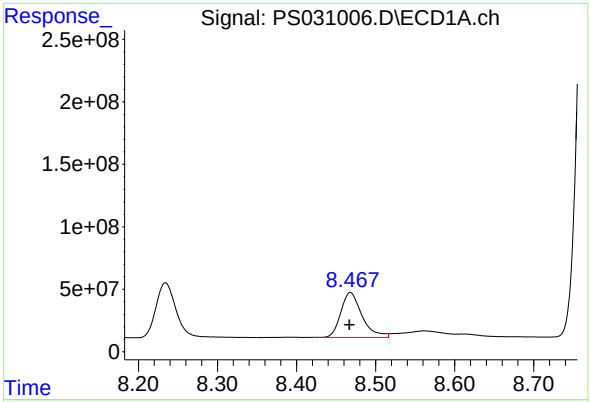
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 779694303
Conc: 241.89 ng/ml



#8 DICHLORPROP

R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 349808770
Conc: 242.02 ng/ml



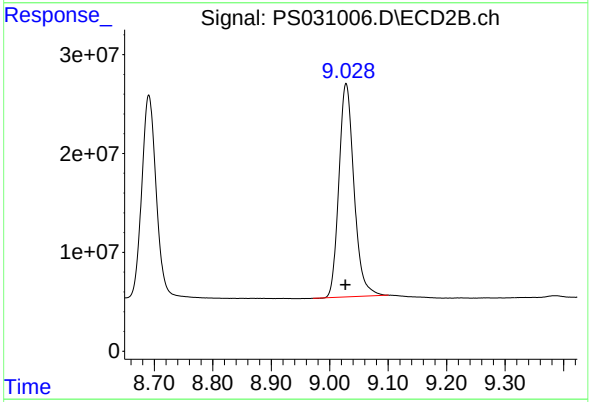
#9 2,4-D

R.T.: 8.468 min
Delta R.T.: 0.001 min
Response: 668654376
Conc: 228.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

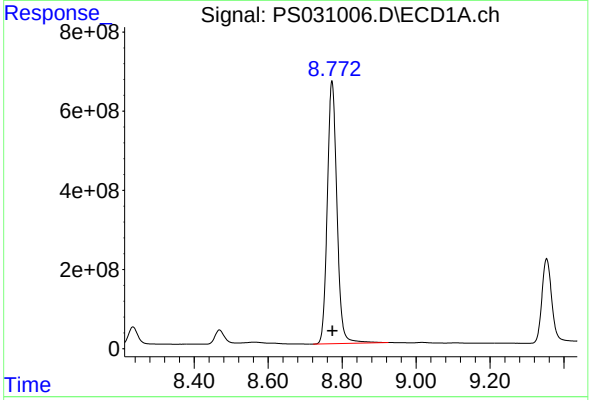
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



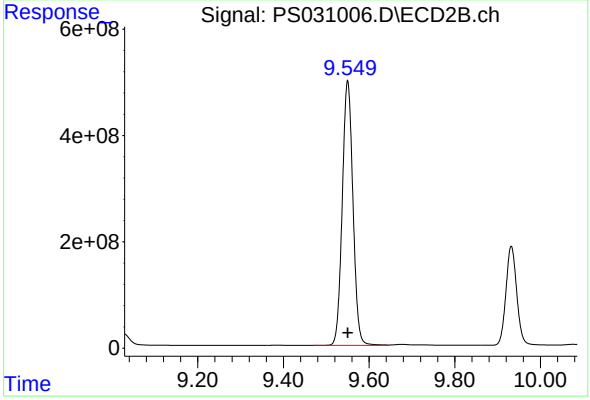
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: 0.001 min
Response: 386915116
Conc: 239.20 ng/ml



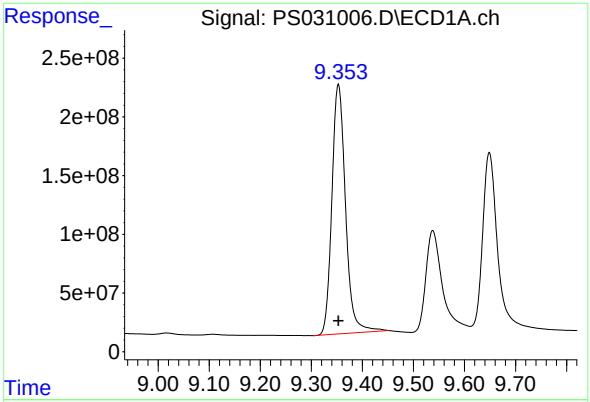
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 12014689664
Conc: 235.54 ng/ml



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 8612460446
Conc: 226.01 ng/ml



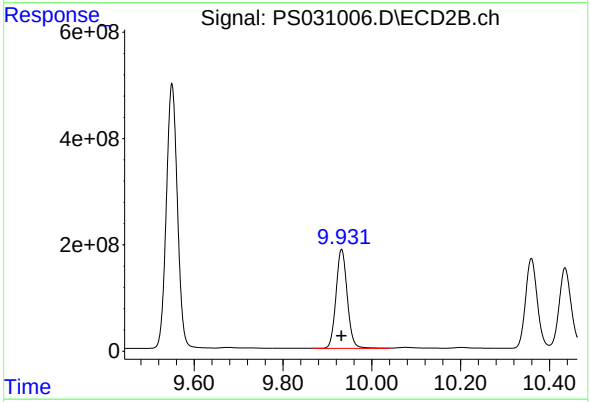
#11 2,4,5-TP (SILVEX)

R.T.: 9.353 min
Delta R.T.: 0.000 min
Response: 3940122747
Conc: 216.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

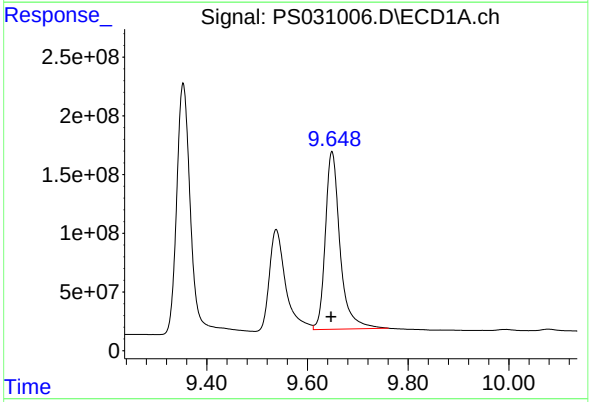
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



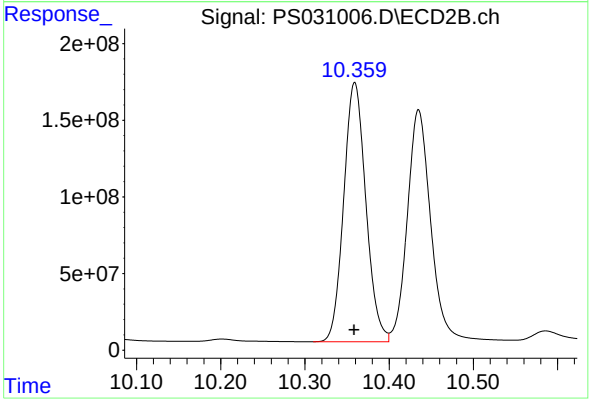
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 3271094233
Conc: 230.77 ng/ml



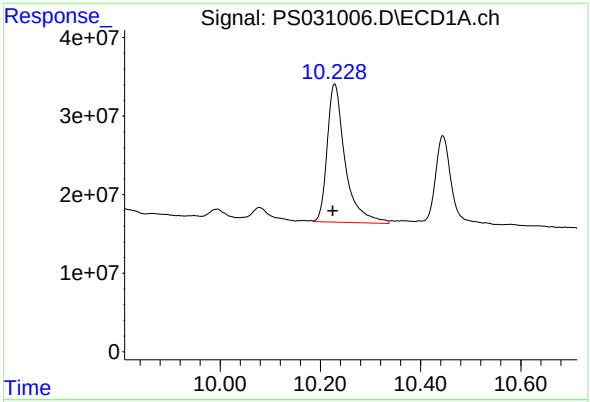
#12 2,4,5-T

R.T.: 9.649 min
Delta R.T.: 0.002 min
Response: 3069196711
Conc: 207.00 ng/ml



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 3091192979
Conc: 228.47 ng/ml



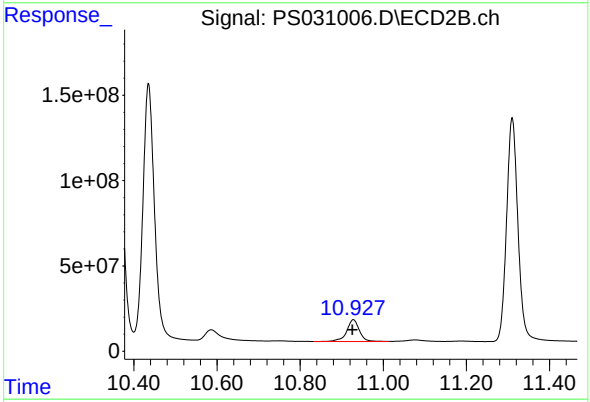
#13 2,4-DB

R.T.: 10.228 min
Delta R.T.: 0.003 min
Response: 436606607
Conc: 209.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

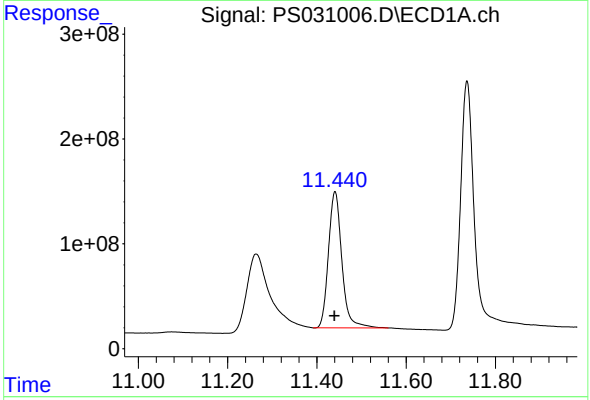
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



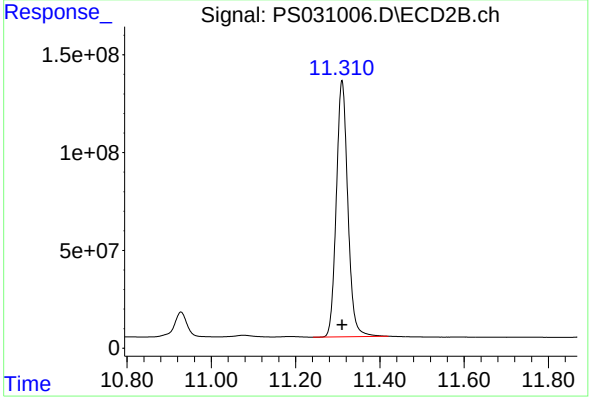
#13 2,4-DB

R.T.: 10.928 min
Delta R.T.: 0.002 min
Response: 268373751
Conc: 238.33 ng/ml



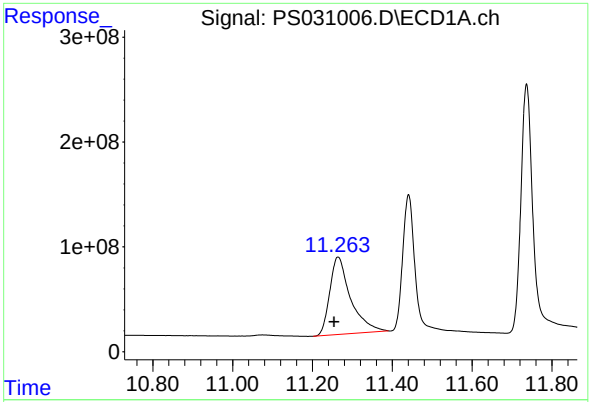
#14 DINOSEB

R.T.: 11.441 min
Delta R.T.: 0.002 min
Response: 2709546271
Conc: 211.24 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 2482059801
Conc: 227.32 ng/ml



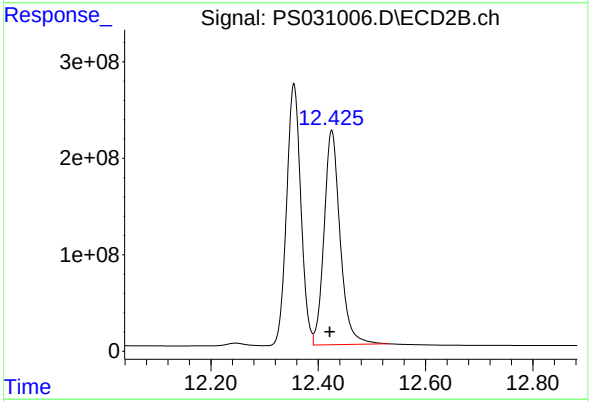
#15 Picloram

R.T.: 11.264 min
Delta R.T.: 0.010 min
Response: 2682223503
Conc: 187.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

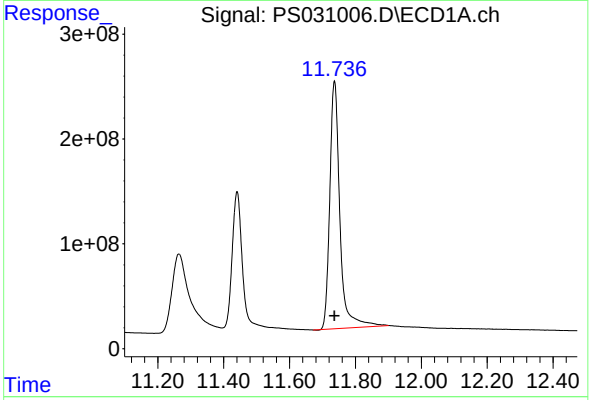
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



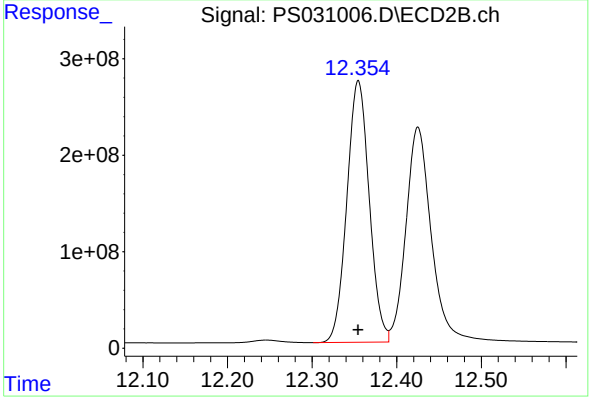
#15 Picloram

R.T.: 12.425 min
Delta R.T.: 0.004 min
Response: 4609145956
Conc: 197.69 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 5033620239
Conc: 215.34 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 4982016021
Conc: 227.11 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:24
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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	7.333	7.769	1955.1E6	505.6E6	520.541m	513.825
	Target Compounds						
1) T	Dalapon	2.695	2.706	2710.6E6	1273.1E6	468.306	469.589
2) T	3,5-DICHL...	6.494	6.715	2408.8E6	699.2E6	483.265	475.046
3) T	4-Nitroph...	7.133	7.302	604.5E6	764.7E6	469.192	455.711
5) T	DICAMBA	7.522	7.971	7262.3E6	2954.3E6	483.393	471.852
6) T	MCPP	7.701	8.067	405.3E6	97457930	43.845	45.592
7) T	MCPA	7.851	8.316	473.4E6	143.2E6	44.051	45.117
8) T	DICHLORPROP	8.234	8.690	1564.2E6	700.8E6	485.278	484.884
9) T	2,4-D	8.467	9.028	1402.6E6	782.6E6	478.366	483.834
10) T	Pentachlo...	8.773	9.550	25005.5E6	18493.4E6	490.216	485.303
11) T	2,4,5-TP ...	9.352	9.931	8678.6E6	6892.6E6	477.136	486.265
12) T	2,4,5-T	9.647	10.359	6951.4E6	6538.4E6	468.828	483.243
13) T	2,4-DB	10.225	10.926	970.0E6	546.9E6	464.473	485.707
14) T	DINOSEB	11.438	11.310	5994.7E6	5205.5E6	467.344	476.757
15) T	Picloram	11.256	12.422	6552.3E6	10862.6E6	457.775	465.908
16) T	DCPA	11.736	12.354	11264.6E6	10701.1E6	481.906	487.830

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:24
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

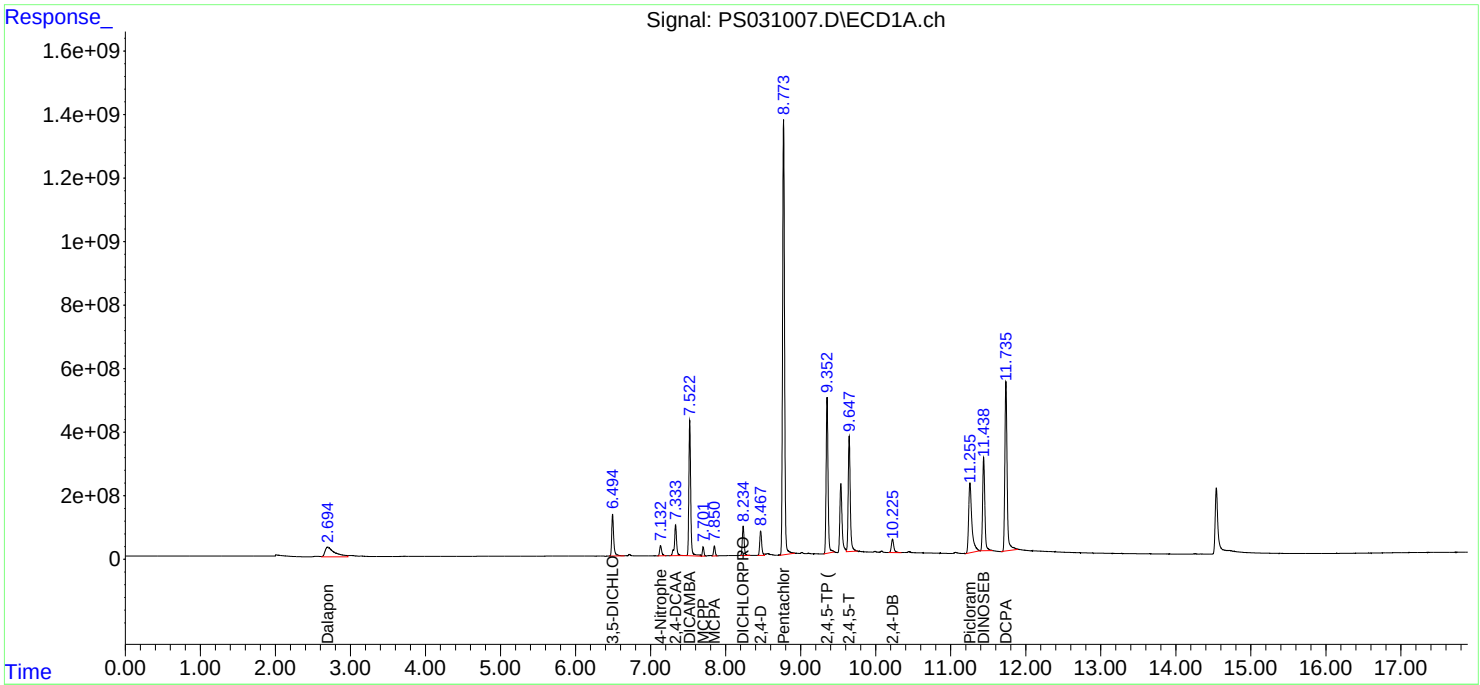
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

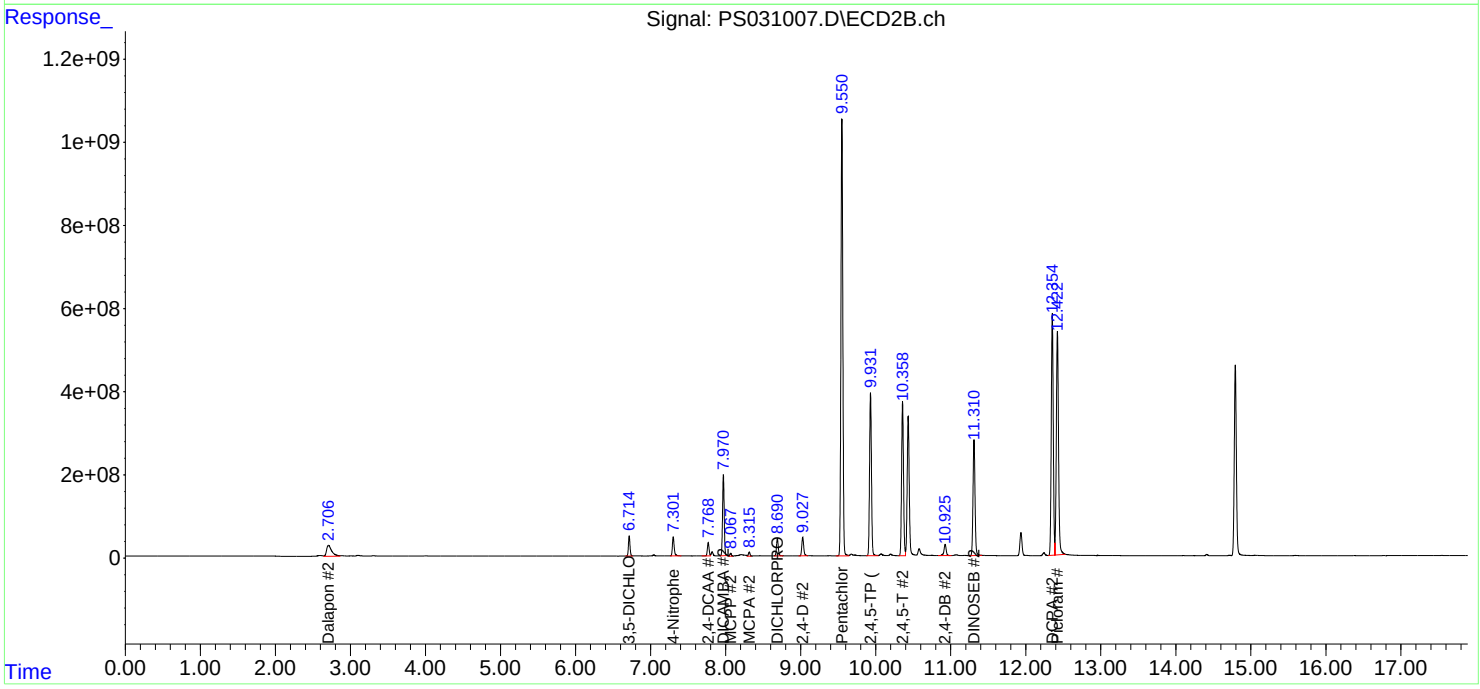
Manual Integrations APPROVED

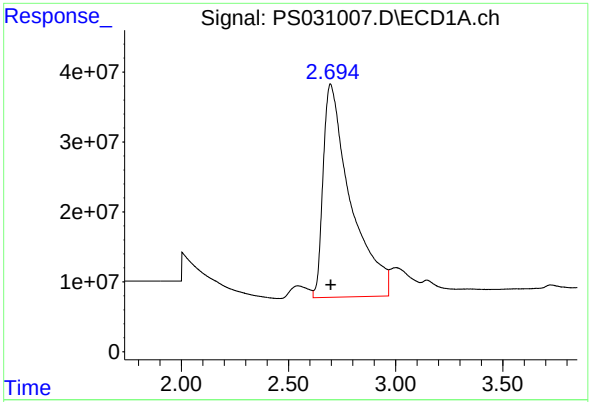
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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







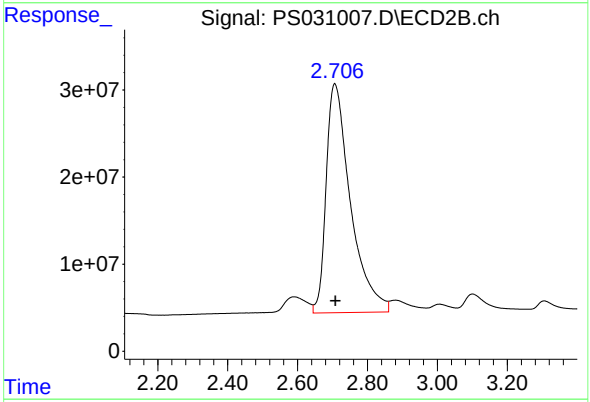
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: -0.003 min
Response: 2710551692
Conc: 468.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

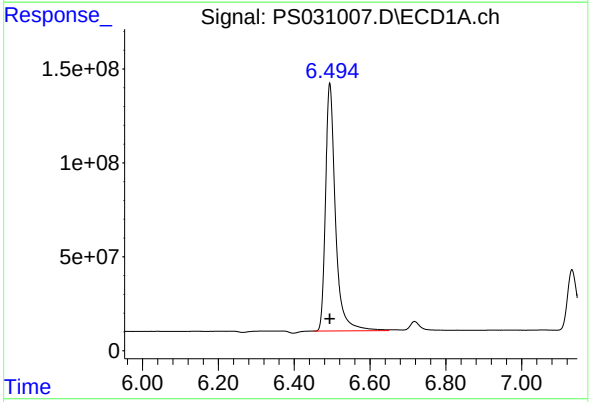
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



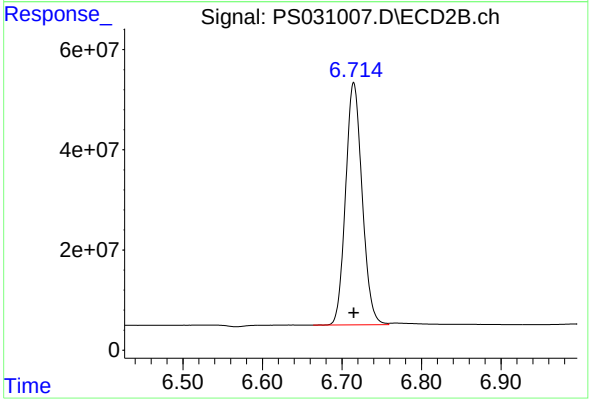
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: -0.002 min
Response: 1273143119
Conc: 469.59 ng/ml



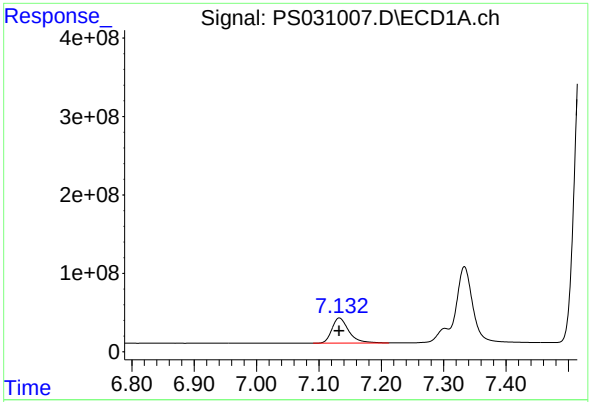
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 2408780023
Conc: 483.27 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 699162962
Conc: 475.05 ng/ml



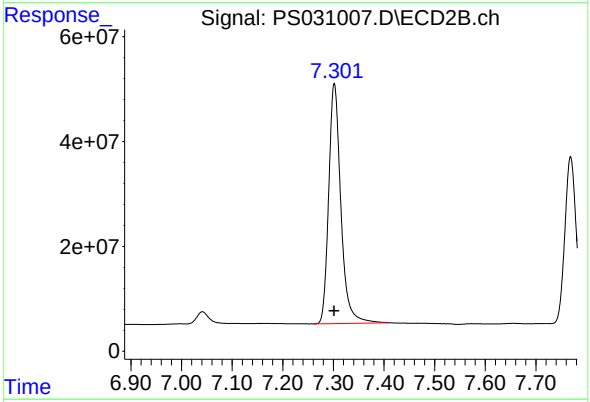
#3 4-Nitrophenol

R.T.: 7.133 min
Delta R.T.: 0.000 min
Response: 604547873
Conc: 469.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

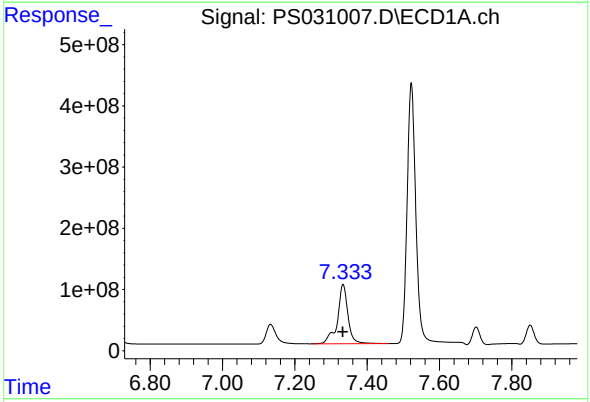
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



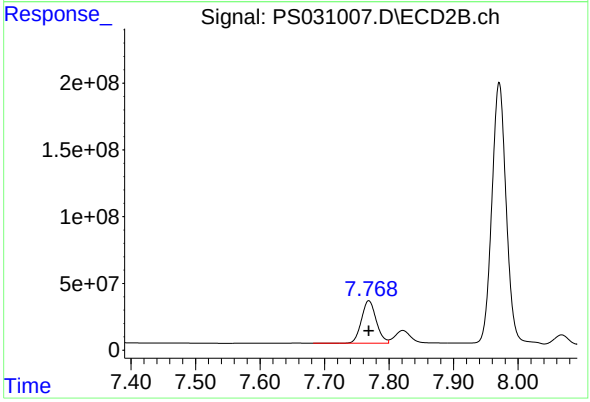
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.000 min
Response: 764689174
Conc: 455.71 ng/ml



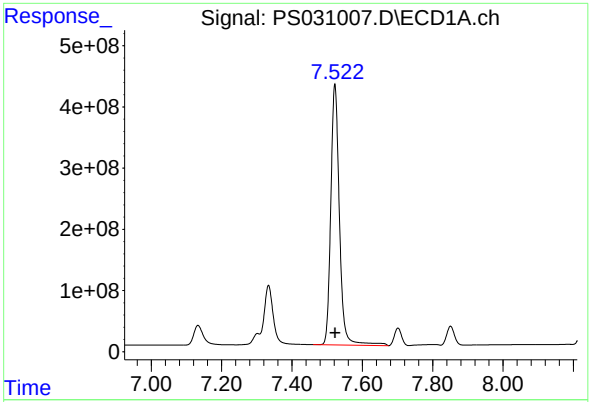
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 1955127320
Conc: 520.54 ng/ml m



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 505640178
Conc: 513.82 ng/ml



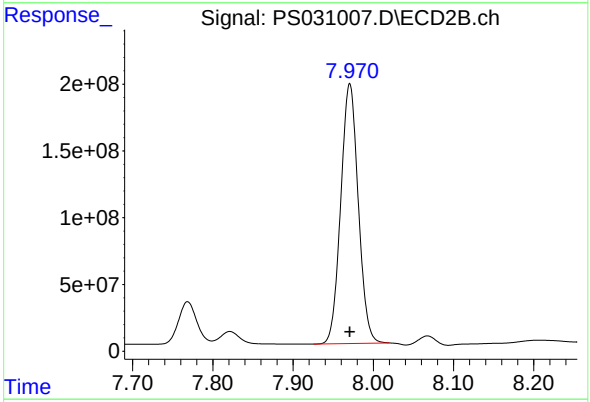
#5 DICAMBA

R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 7262329980
Conc: 483.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

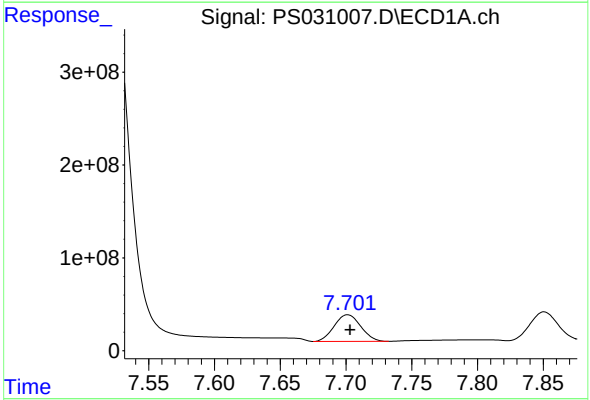
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



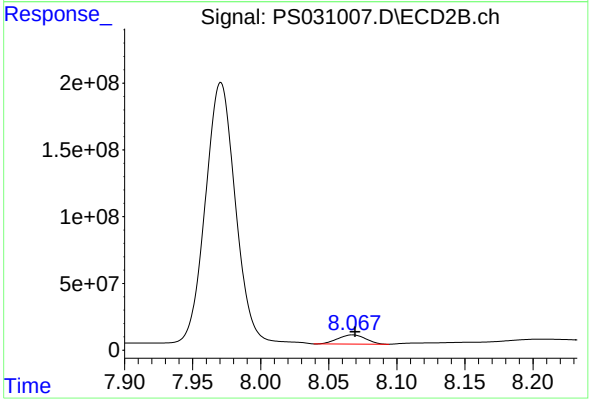
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 2954281766
Conc: 471.85 ng/ml



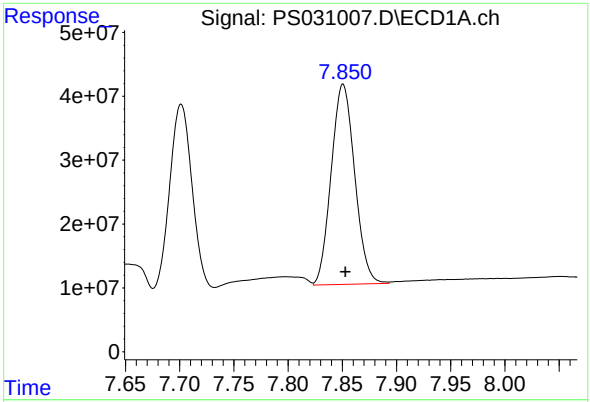
#6 MCPP

R.T.: 7.701 min
Delta R.T.: -0.002 min
Response: 405254028
Conc: 43.85 ug/ml



#6 MCPP

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 97457930
Conc: 45.59 ug/ml



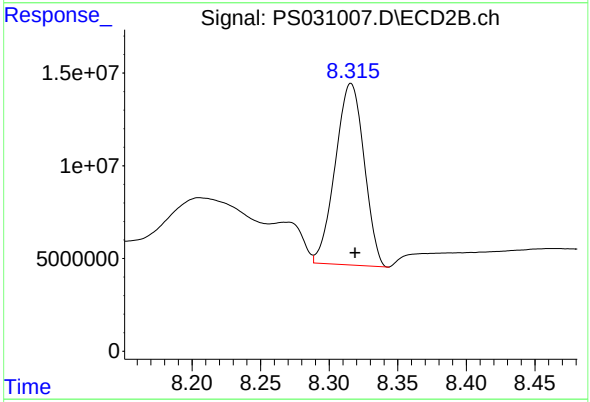
#7 MCPA

R.T.: 7.851 min
Delta R.T.: -0.002 min
Response: 473399368
Conc: 44.05 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

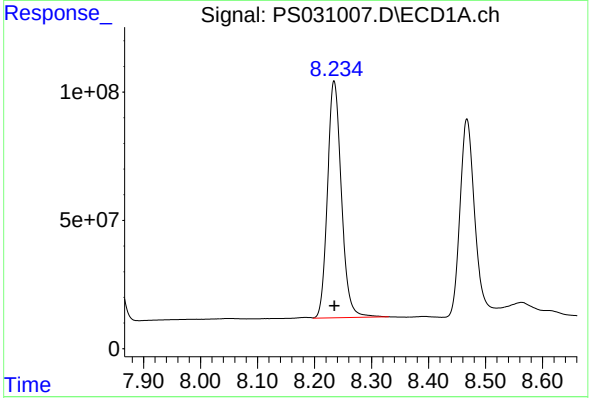
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



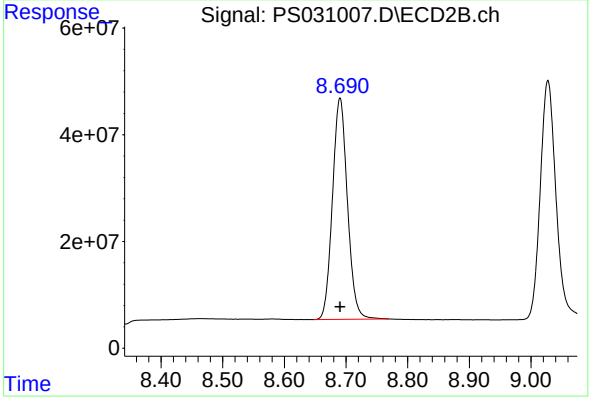
#7 MCPA

R.T.: 8.316 min
Delta R.T.: -0.003 min
Response: 143236463
Conc: 45.12 ug/ml



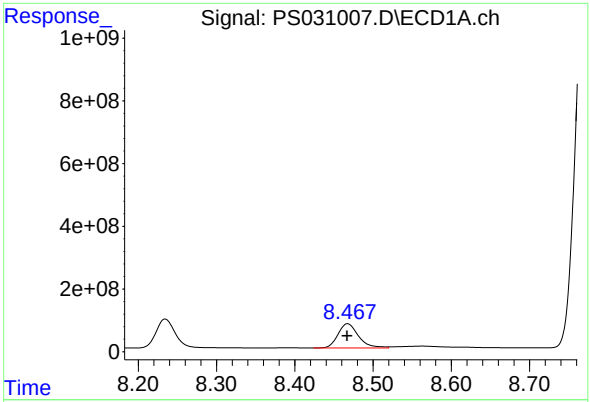
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 1564216081
Conc: 485.28 ng/ml



#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 700848755
Conc: 484.88 ng/ml



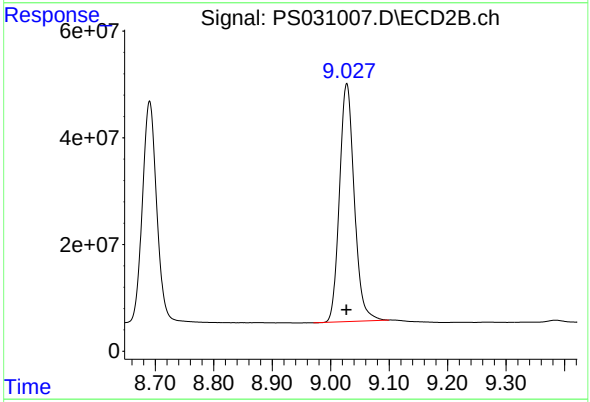
#9 2,4-D

R.T.: 8.467 min
Delta R.T.: 0.000 min
Response: 1402561111
Conc: 478.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

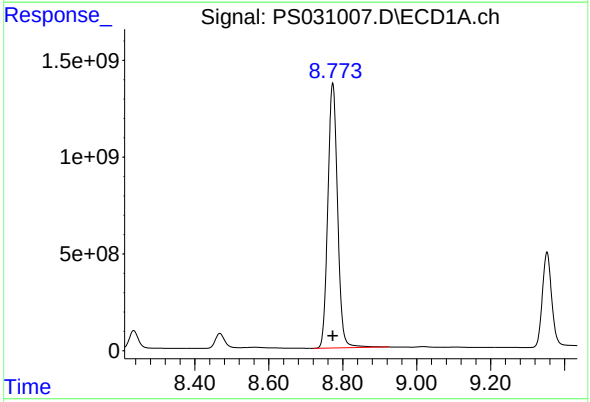
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



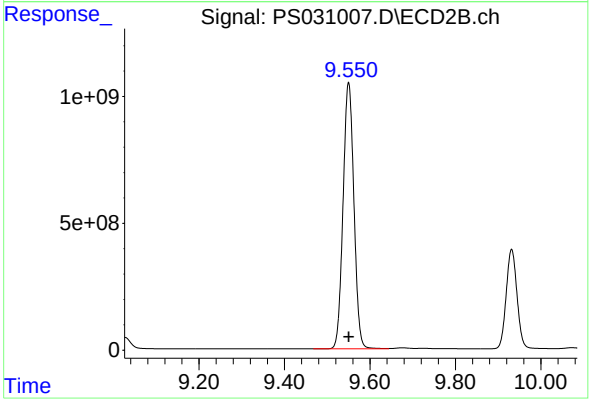
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: 0.000 min
Response: 782625431
Conc: 483.83 ng/ml



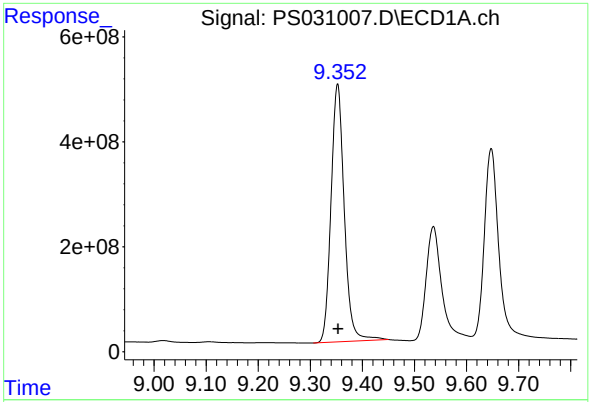
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 25005502043
Conc: 490.22 ng/ml



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 18493426690
Conc: 485.30 ng/ml



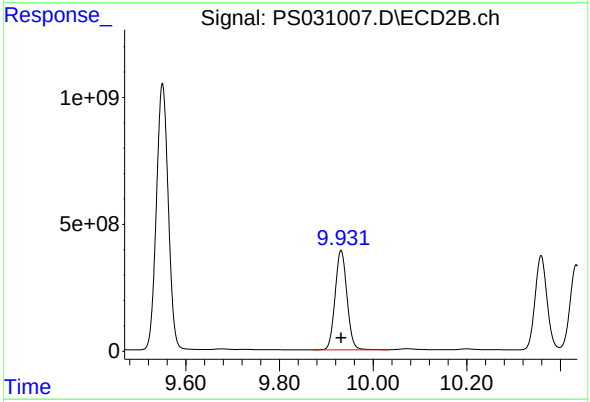
#11 2,4,5-TP (SILVEX)

R.T.: 9.352 min
Delta R.T.: 0.000 min
Response: 8678606941
Conc: 477.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

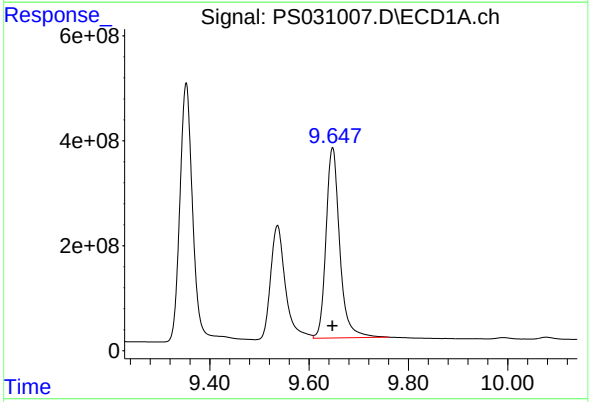
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



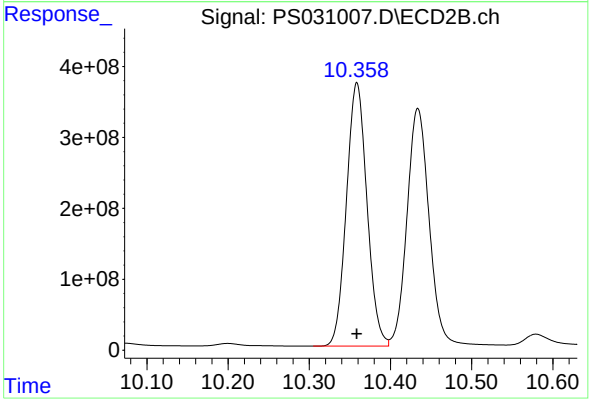
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 6892612786
Conc: 486.27 ng/ml



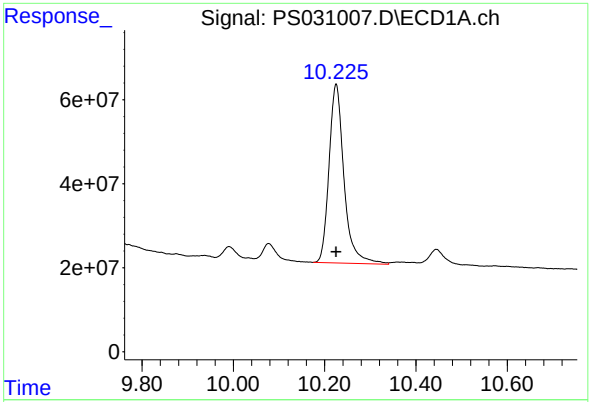
#12 2,4,5-T

R.T.: 9.647 min
Delta R.T.: 0.000 min
Response: 6951414781
Conc: 468.83 ng/ml



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 6538368101
Conc: 483.24 ng/ml



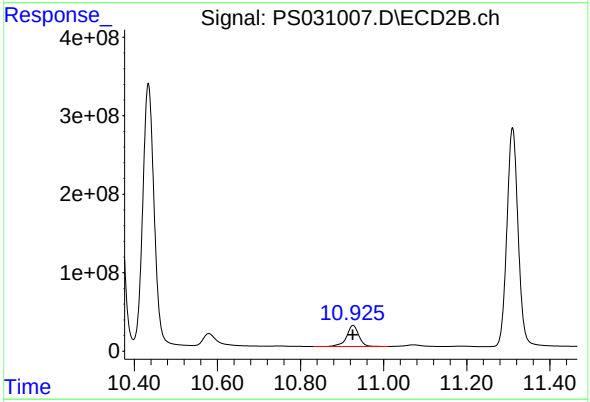
#13 2,4-DB

R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 969975772
Conc: 464.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

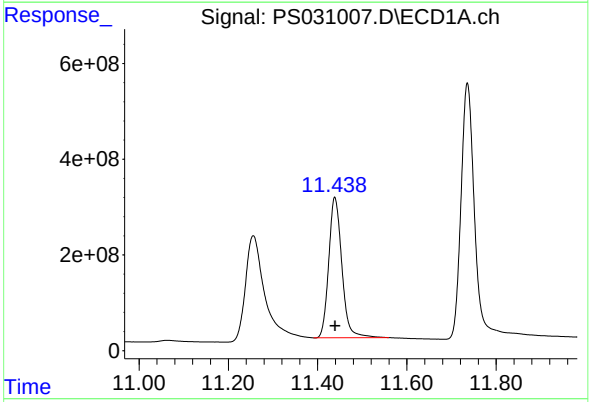
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



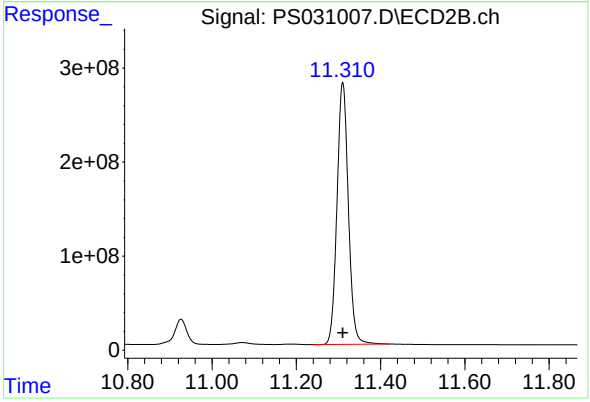
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 546929014
Conc: 485.71 ng/ml



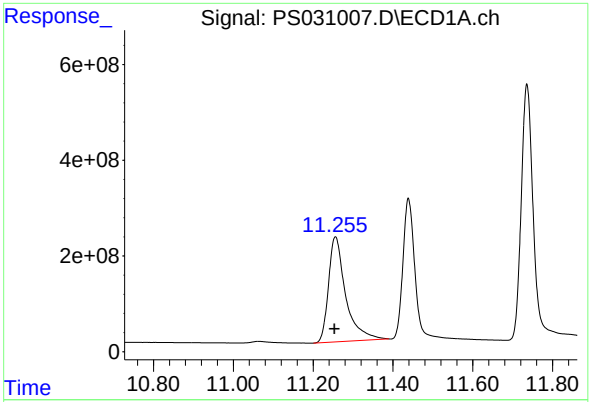
#14 DINOSEB

R.T.: 11.438 min
Delta R.T.: 0.000 min
Response: 5994657508
Conc: 467.34 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 5205530111
Conc: 476.76 ng/ml



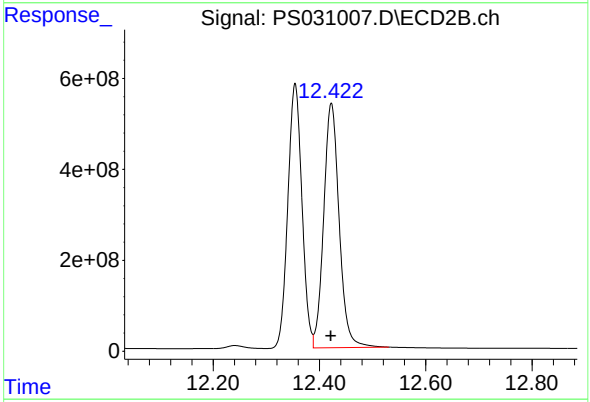
#15 Picloram

R.T.: 11.256 min
Delta R.T.: 0.002 min
Response: 6552347497
Conc: 457.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

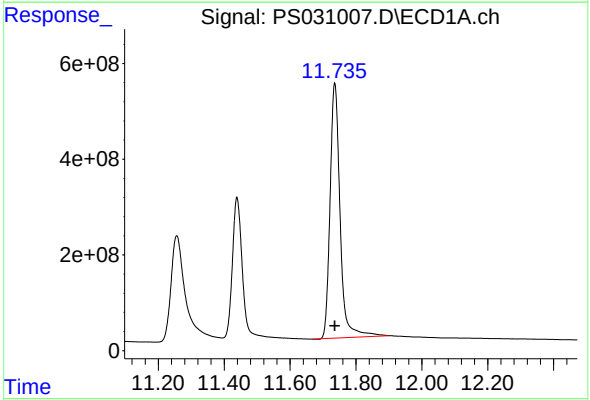
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



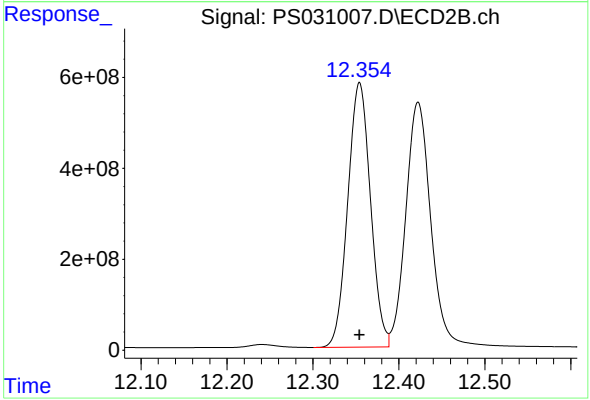
#15 Picloram

R.T.: 12.422 min
Delta R.T.: 0.001 min
Response: 10862643503
Conc: 465.91 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 11264648267
Conc: 481.91 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 10701128854
Conc: 487.83 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:48
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: Jul 14 03:16:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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	7.333	7.769	2817.0E6	738.1E6	750.000	750.000
	Target Compounds						
1) T	Dalapon	2.698	2.708	3950.3E6	1850.4E6	682.500	682.500
2) T	3,5-DICHL...	6.494	6.715	3476.6E6	1026.6E6	697.500	697.500
3) T	4-Nitroph...	7.132	7.301	879.4E6	1145.2E6	682.500	682.500
5) T	DICAMBA	7.522	7.971	10591.7E6	4414.0E6	705.000	705.000
6) T	MCPP	7.703	8.069	651.6E6	150.7E6	70.500	70.500
7) T	MCPA	7.853	8.319	749.6E6	221.4E6	69.750	69.750
8) T	DICHLORPROP	8.235	8.691	2272.5E6	1019.0E6	705.000	705.000
9) T	2,4-D	8.467	9.027	2067.0E6	1140.4E6	705.000	705.000
10) T	Pentachlo...	8.773	9.550	36344.0E6	27151.2E6	712.500	712.500
11) T	2,4,5-TP ...	9.353	9.932	12959.6E6	10099.4E6	712.500	712.500
12) T	2,4,5-T	9.647	10.358	10564.4E6	9640.2E6	712.500	712.500
13) T	2,4-DB	10.225	10.926	1487.9E6	802.3E6	712.500	712.500
14) T	DINOSEB	11.439	11.310	9043.1E6	7697.6E6	705.000	705.000
15) T	Picloram	11.254	12.421	10198.3E6	16611.9E6	712.500	712.500
16) T	DCPA	11.736	12.354	16830.2E6	15794.1E6	720.000	720.000

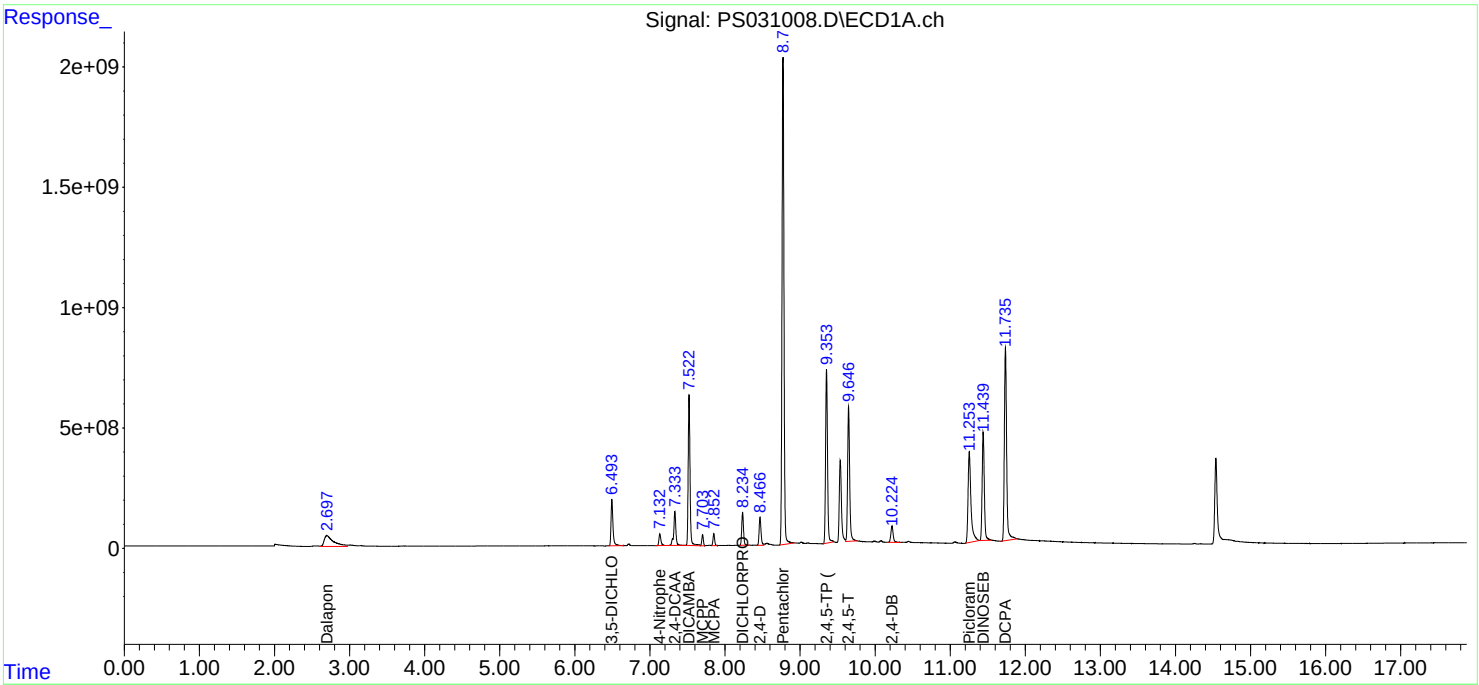
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

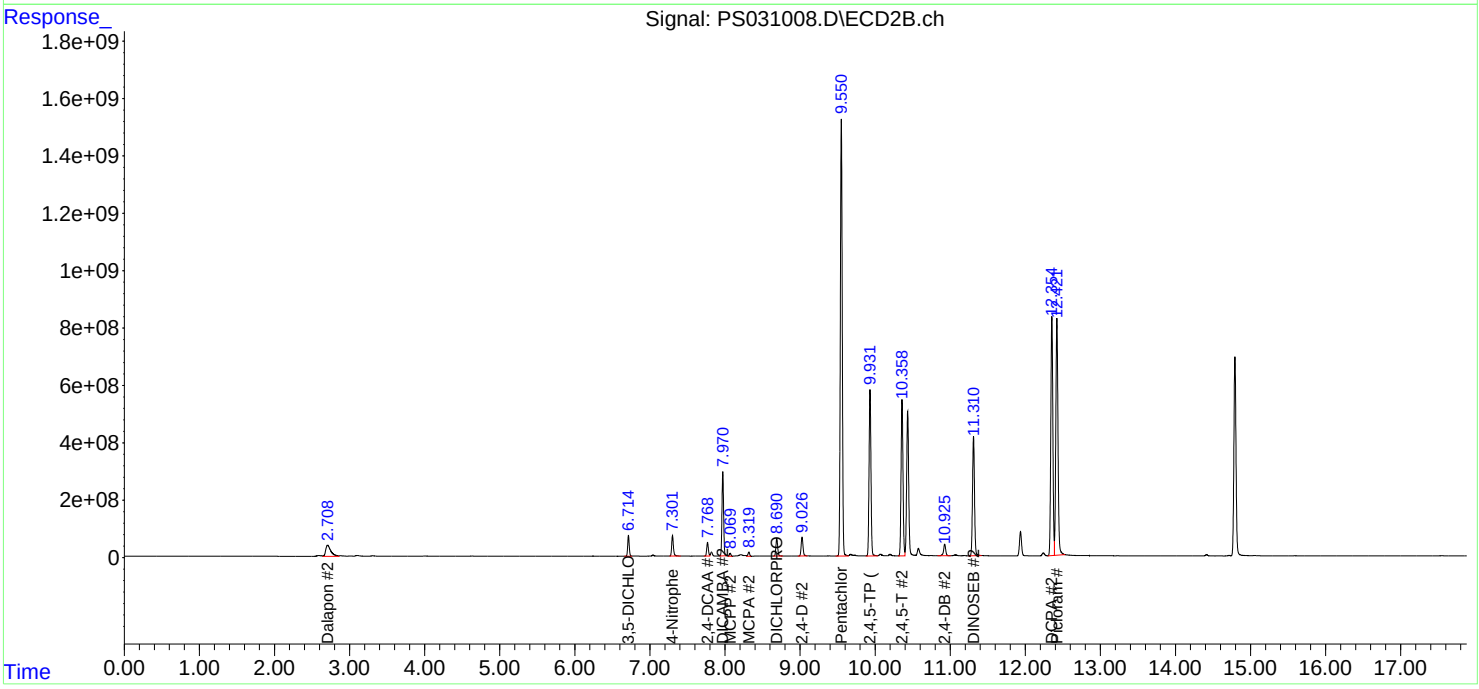
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:48
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

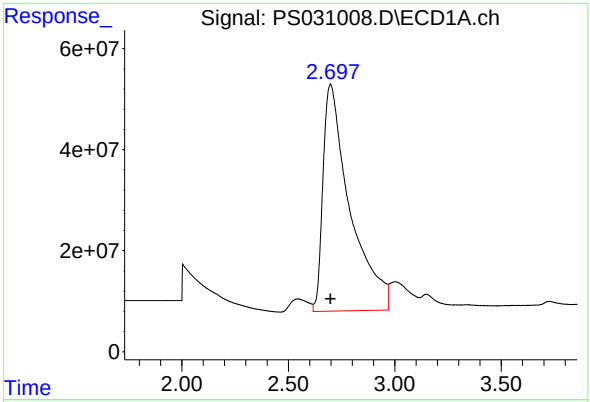
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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



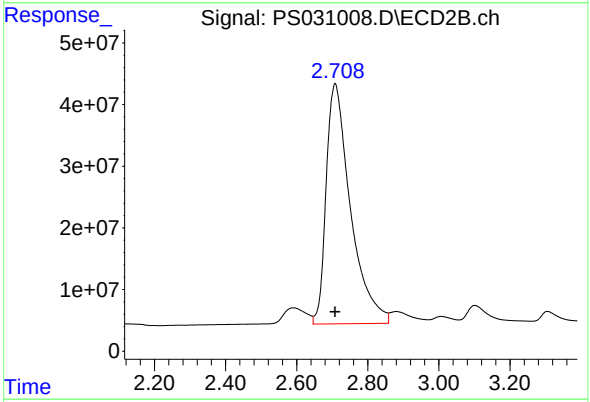




#1 Dalapon

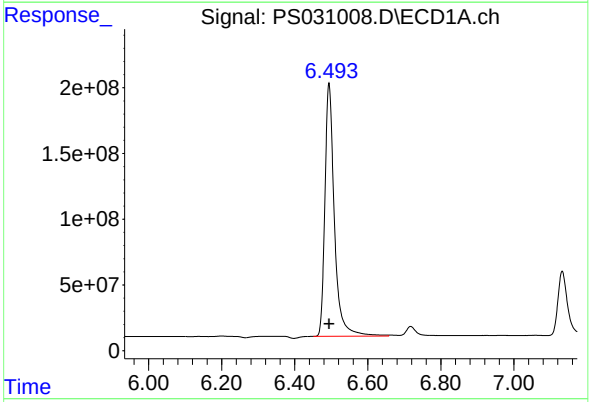
R.T.: 2.698 min
Delta R.T.: 0.000 min
Response: 3950303657
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



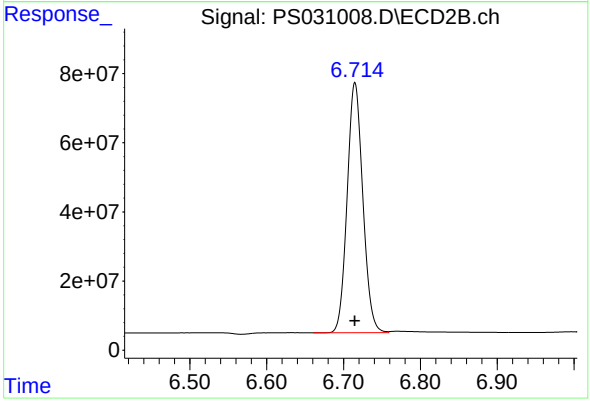
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 1850383479
Conc: 682.50 ng/ml



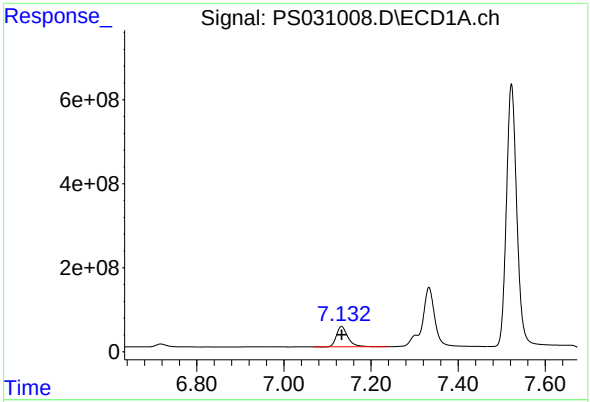
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 3476608711
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

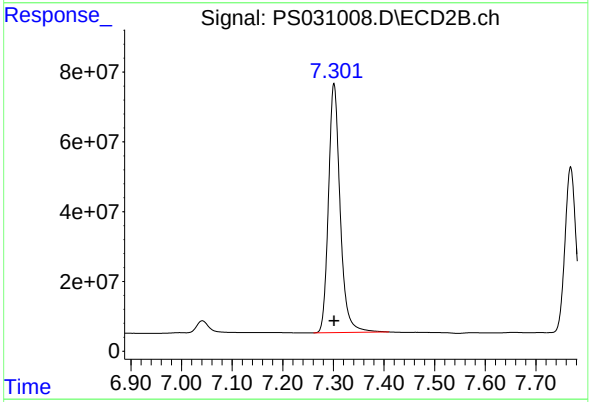
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 1026565481
Conc: 697.50 ng/ml



#3 4-Nitrophenol

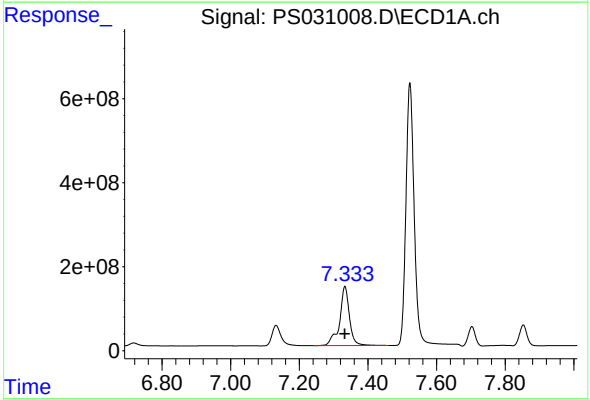
R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 879391587
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



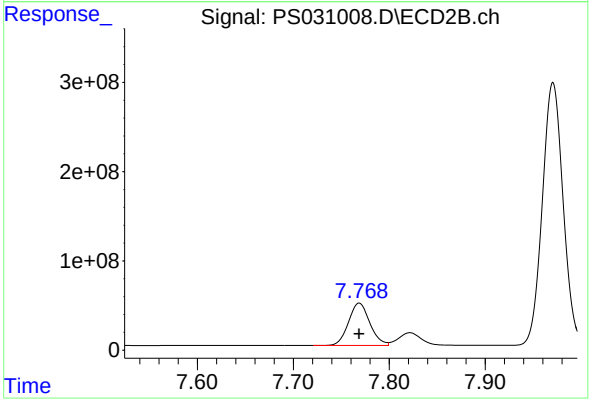
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1145244235
Conc: 682.50 ng/ml



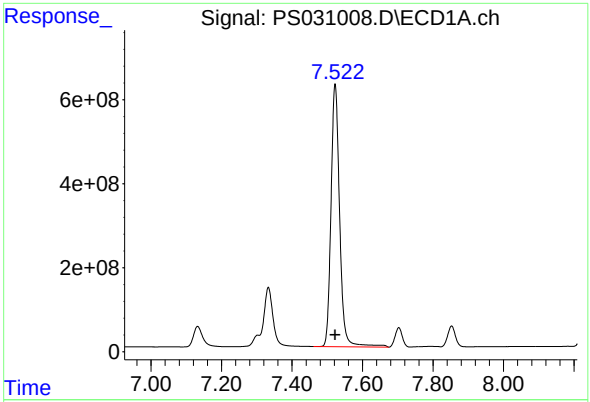
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 2816965514
Conc: 750.00 ng/ml



#4 2,4-DCAA

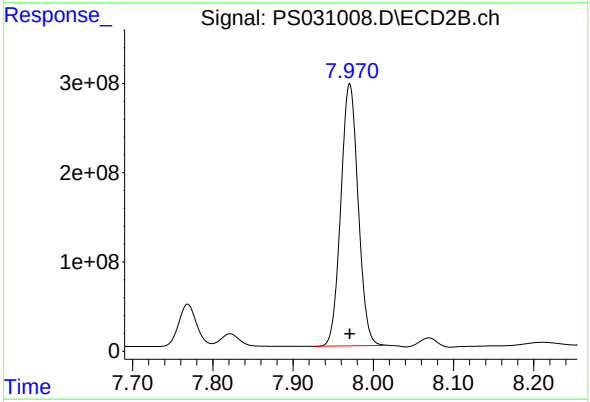
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 738053104
Conc: 750.00 ng/ml



#5 DICAMBA

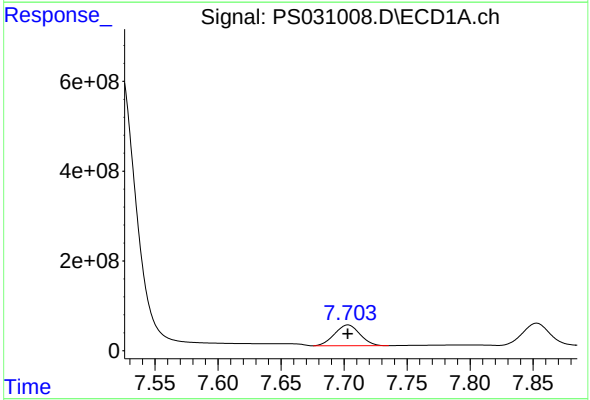
R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 10591672318
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



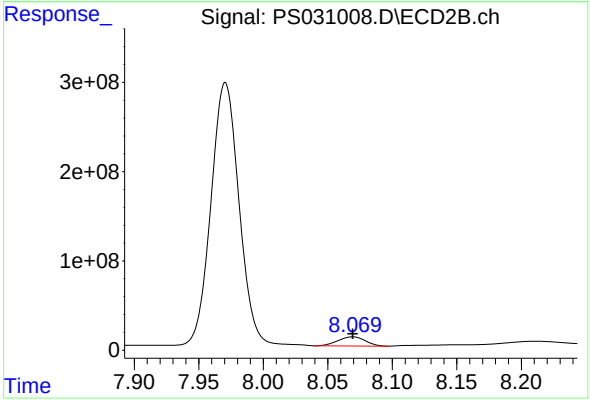
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 4414027774
Conc: 705.00 ng/ml



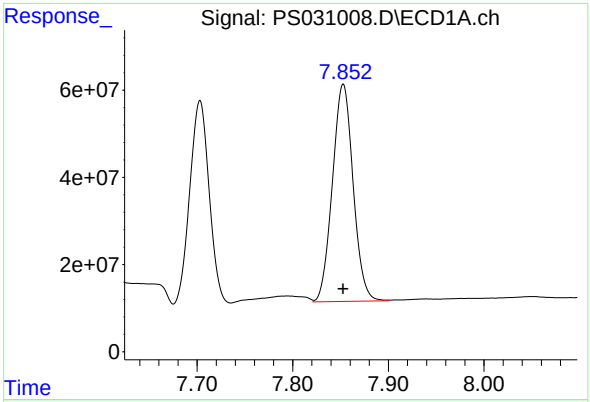
#6 MCPP

R.T.: 7.703 min
Delta R.T.: 0.000 min
Response: 651620936
Conc: 70.50 ug/ml



#6 MCPP

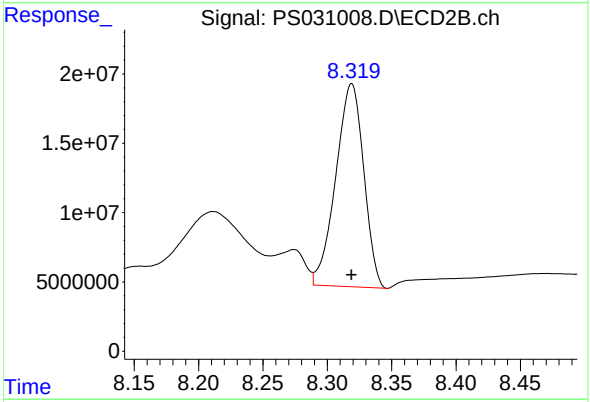
R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 150700610
Conc: 70.50 ug/ml



#7 MCPA

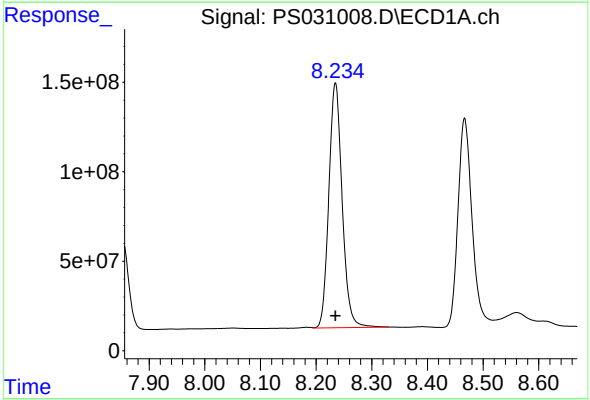
R.T.: 7.853 min
Delta R.T.: 0.000 min
Response: 749583522
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



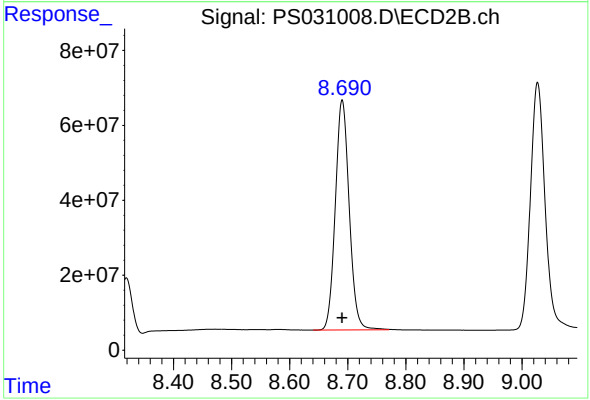
#7 MCPA

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 221439868
Conc: 69.75 ug/ml



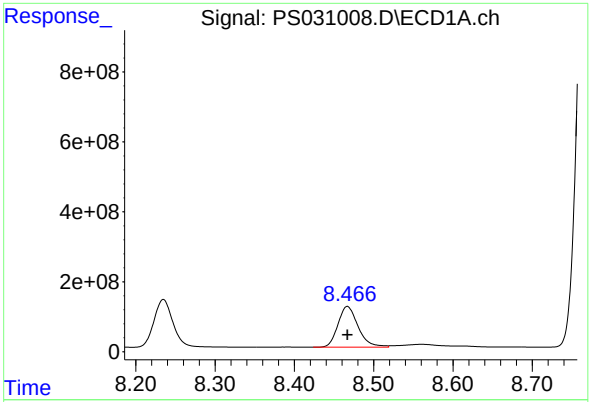
#8 DICHLORPROP

R.T.: 8.235 min
Delta R.T.: 0.000 min
Response: 2272452920
Conc: 705.00 ng/ml



#8 DICHLORPROP

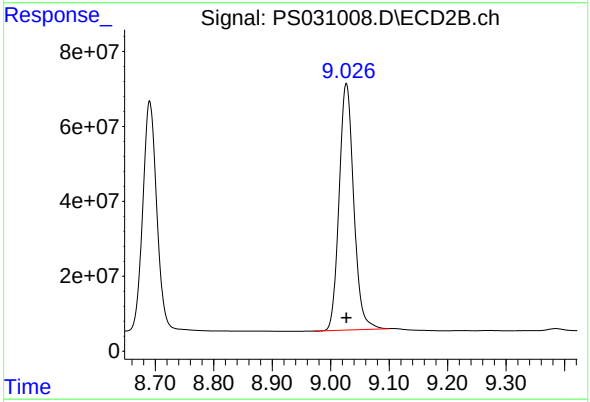
R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 1019003581
Conc: 705.00 ng/ml



#9 2,4-D

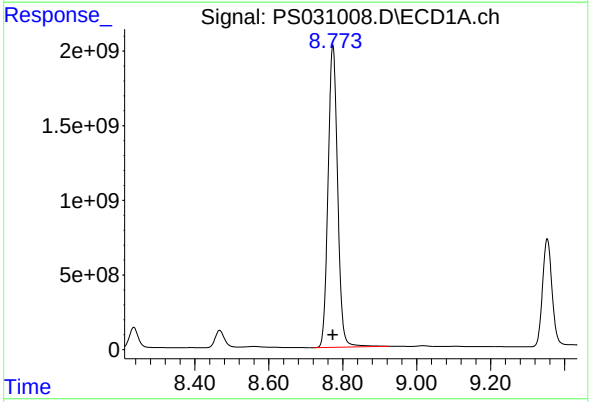
R.T.: 8.467 min
Delta R.T.: 0.000 min
Response: 2067046307
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



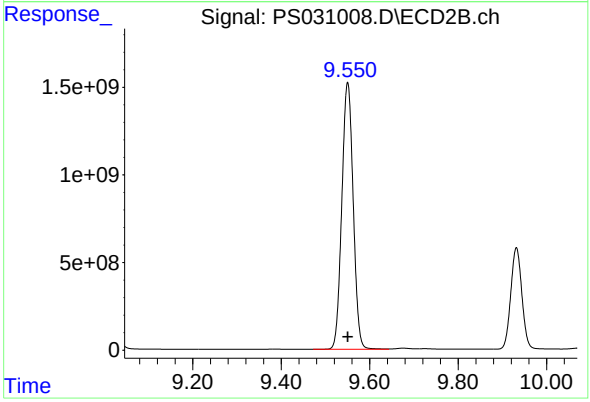
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1140371358
Conc: 705.00 ng/ml



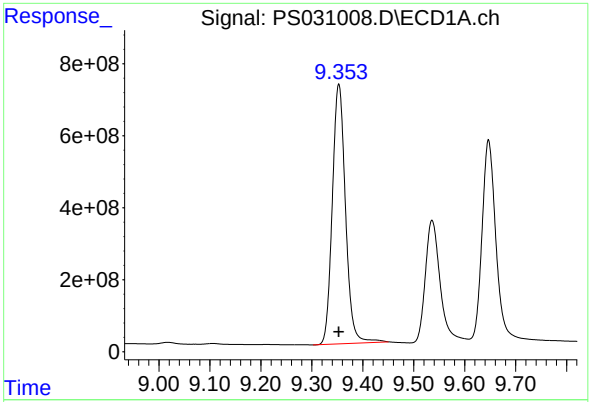
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 36344034677
Conc: 712.50 ng/ml



#10 Pentachlorophenol

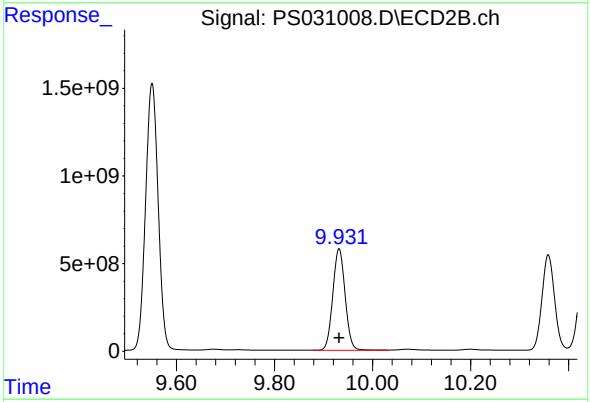
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 27151205839
Conc: 712.50 ng/ml



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

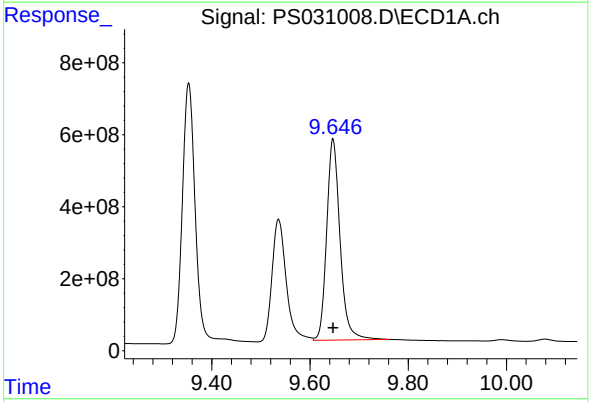
R.T.: 9.353 min
Delta R.T.: 0.000 min
Response: 12959628870
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



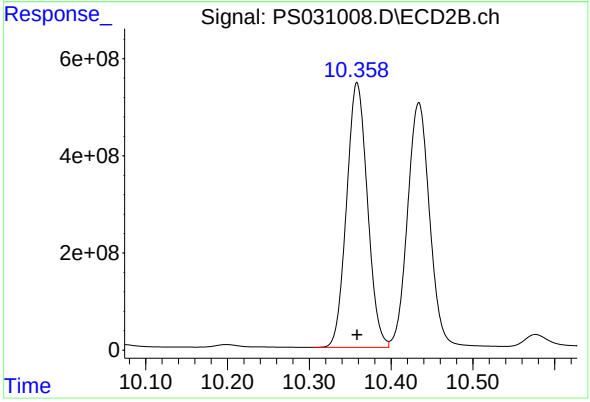
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 10099393716
Conc: 712.50 ng/ml



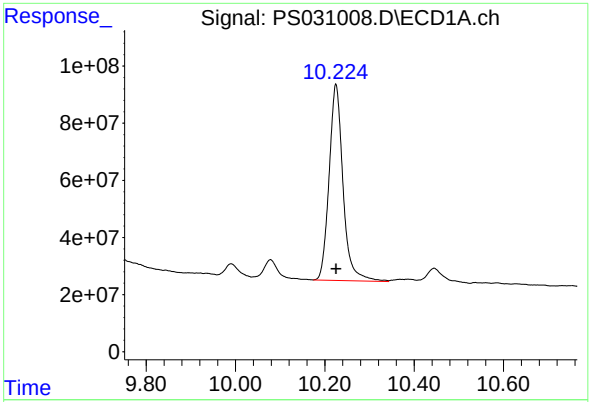
#12 2,4,5-T

R.T.: 9.647 min
Delta R.T.: 0.000 min
Response: 10564385263
Conc: 712.50 ng/ml



#12 2,4,5-T

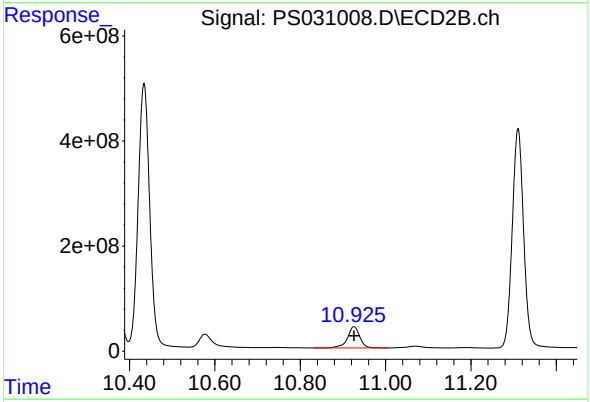
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 9640248459
Conc: 712.50 ng/ml



#13 2,4-DB

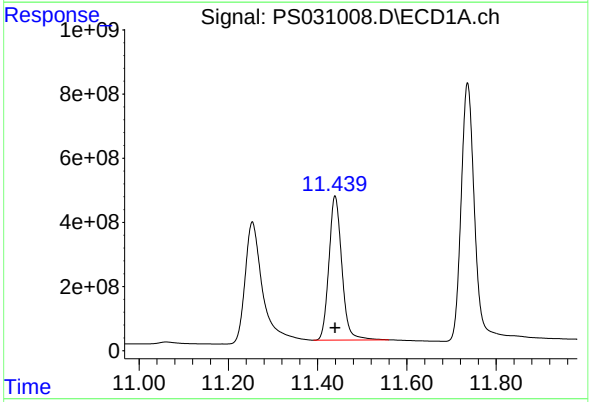
R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 1487939827
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



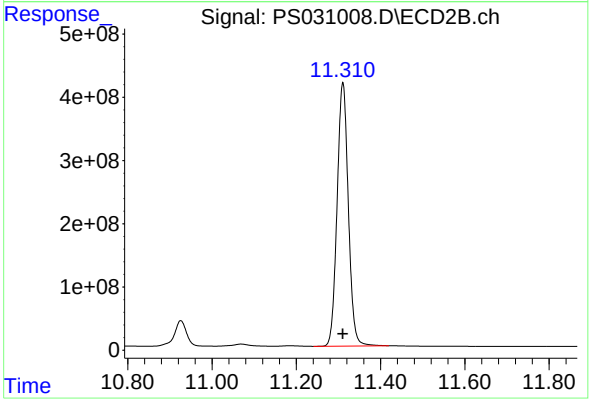
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 802309304
Conc: 712.50 ng/ml



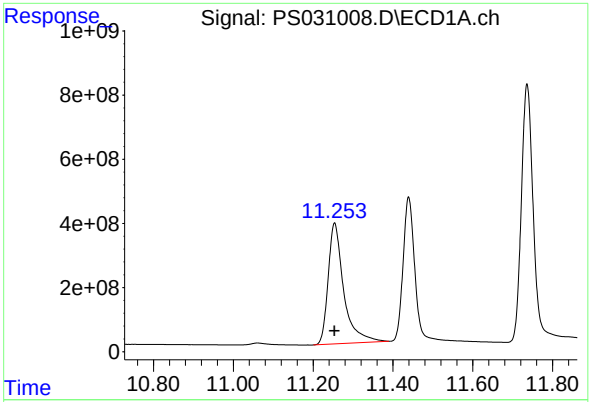
#14 DINOSEB

R.T.: 11.439 min
Delta R.T.: 0.000 min
Response: 9043087220
Conc: 705.00 ng/ml



#14 DINOSEB

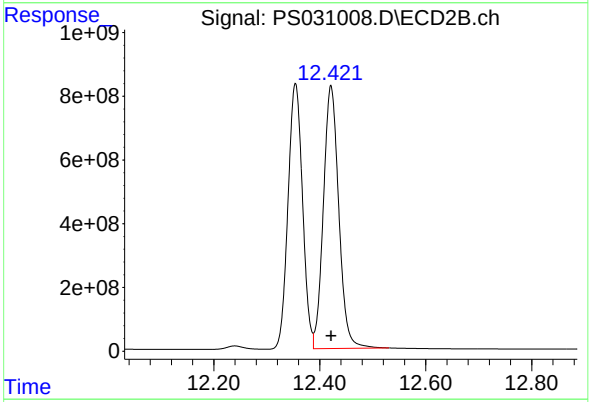
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 7697635973
Conc: 705.00 ng/ml



#15 Picloram

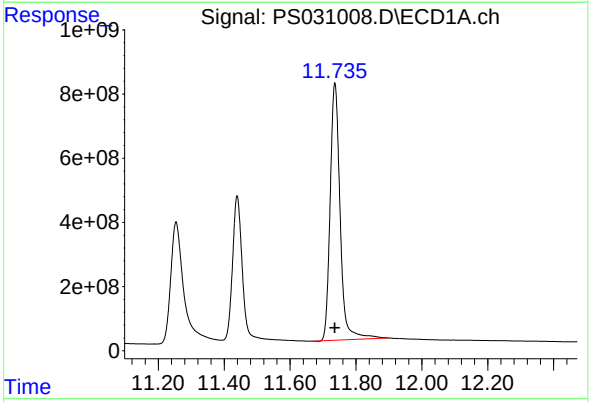
R.T.: 11.254 min
Delta R.T.: 0.000 min
Response: 10198341739
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



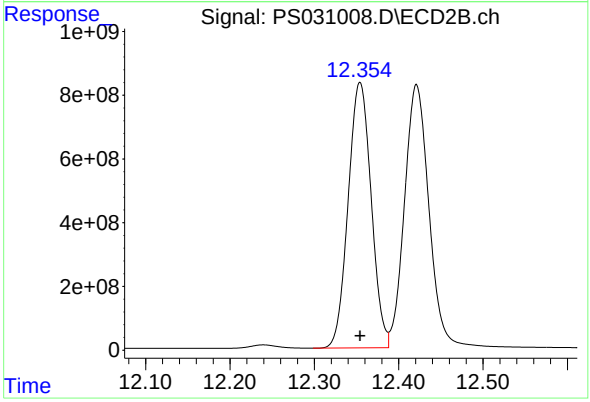
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 16611934090
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 16830156248
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 15794068077
Conc: 720.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:12
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: Jul 14 03:16:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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	7.333	7.769	3730.2E6	981.3E6	993.136	997.186
	Target Compounds						
1) T	Dalapon	2.699	2.707	5242.2E6	2470.8E6	905.706	911.320
2) T	3,5-DICHL...	6.494	6.715	4586.7E6	1368.9E6	920.211	930.100
3) T	4-Nitroph...	7.132	7.301	1171.9E6	1553.4E6	909.484	925.730
5) T	DICAMBA	7.522	7.971	14074.6E6	5978.4E6	936.831	954.851
6) T	MCPP	7.705	8.072	923.0E6	208.2E6	99.864	97.395
7) T	MCPA	7.855	8.321	1059.6E6	300.4E6	98.600	94.607
8) T	DICHLORPROP	8.234	8.691	3026.5E6	1345.3E6	938.920	930.730
9) T	2,4-D	8.466	9.027	2798.2E6	1514.1E6	954.385	936.026
10) T	Pentachlo...	8.777	9.551	45014.0E6	36061.1E6	882.468	946.312
11) T	2,4,5-TP ...	9.353	9.933	17284.4E6	13424.5E6	950.271	947.084
12) T	2,4,5-T	9.647	10.359	14457.9E6	12860.2E6	975.095	950.482
13) T	2,4-DB	10.224	10.926	2058.2E6	1075.0E6	985.558	954.692
14) T	DINOSEB	11.439	11.311	12265.4E6	10343.6E6	956.211	947.331
15) T	Picloram	11.252	12.421	14210.5E6	22631.9E6	992.807	970.701
16) T	DCPA	11.736	12.355	22762.4E6	20994.2E6	973.783	957.057

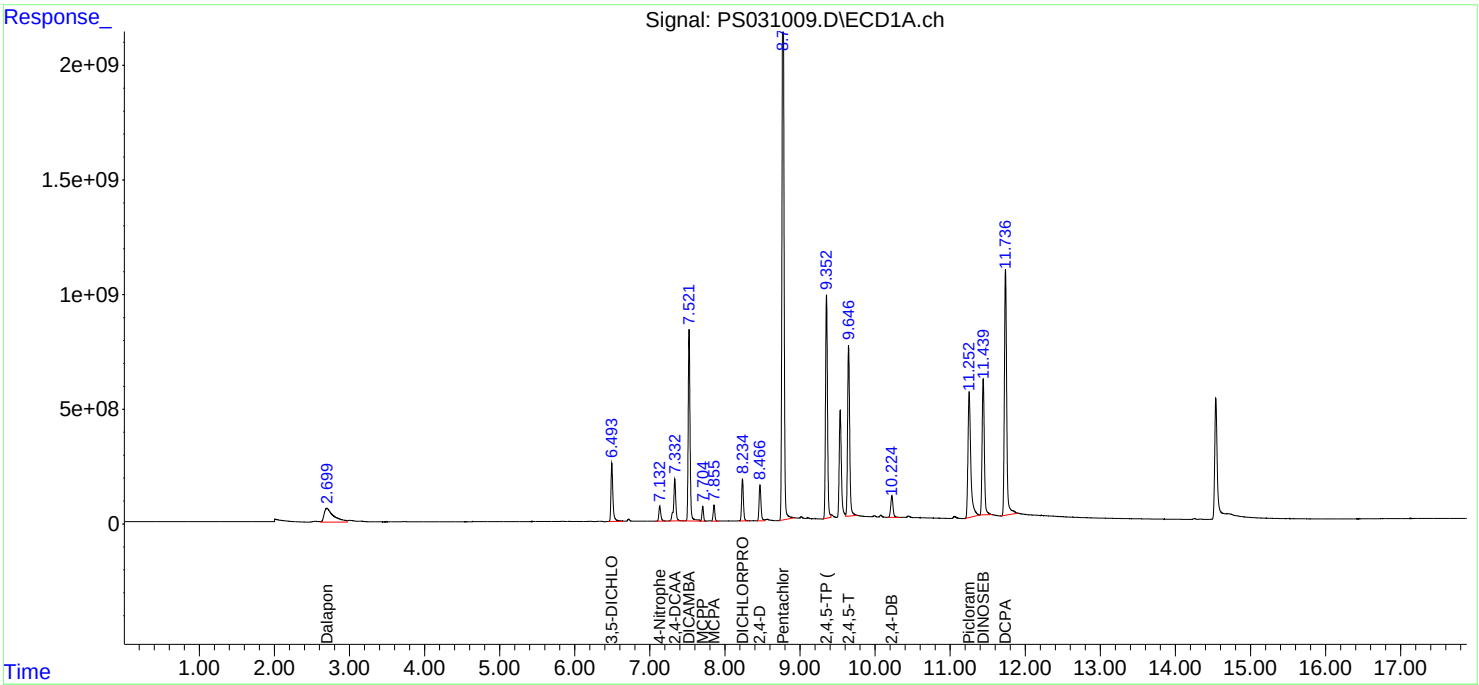
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

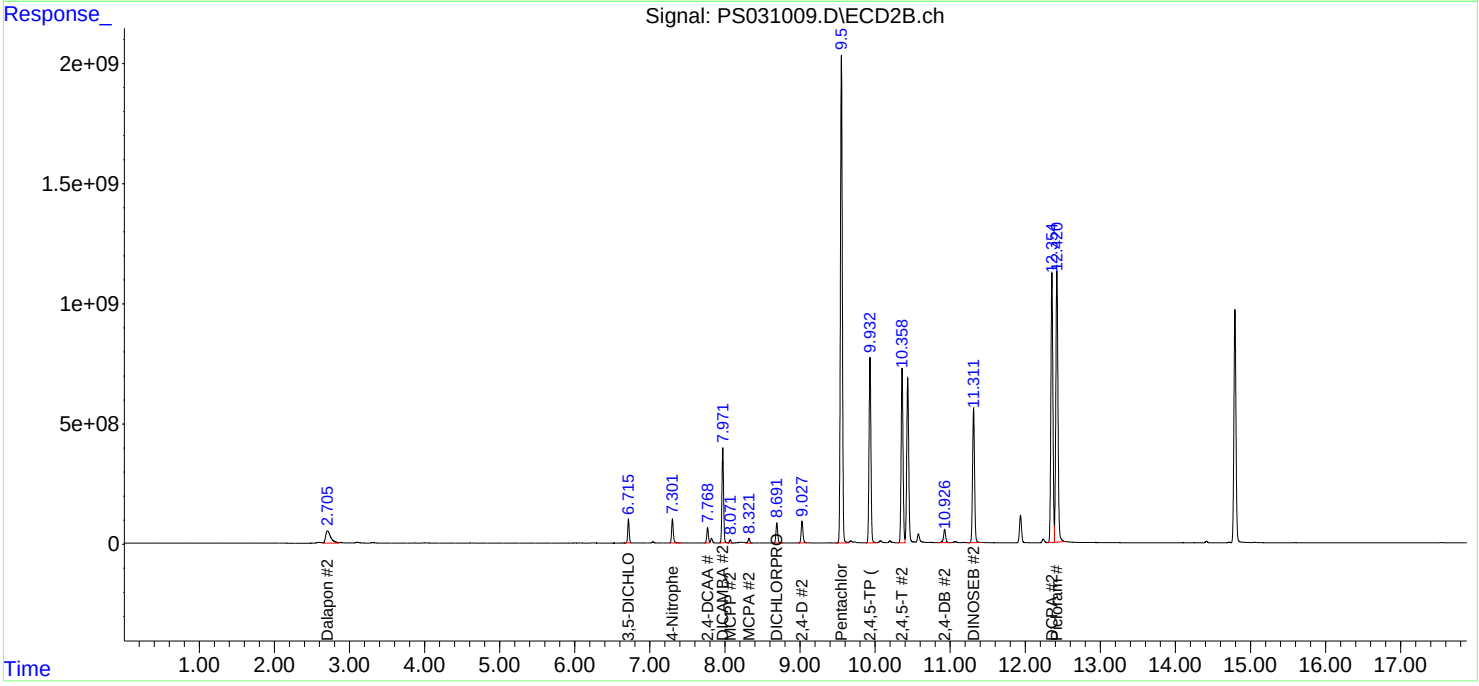
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:12
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

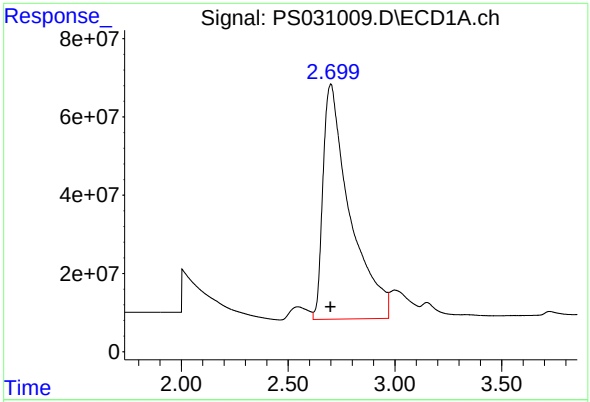
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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



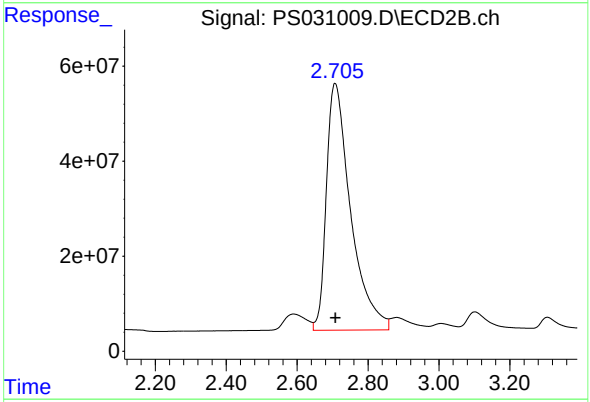




#1 Dalapon

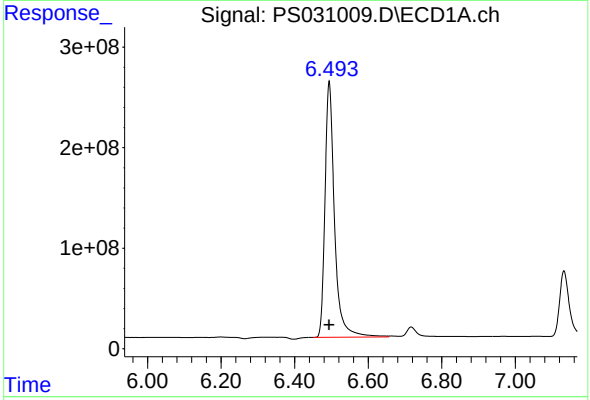
R.T.: 2.699 min
Delta R.T.: 0.001 min
Response: 5242217386
Conc: 905.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



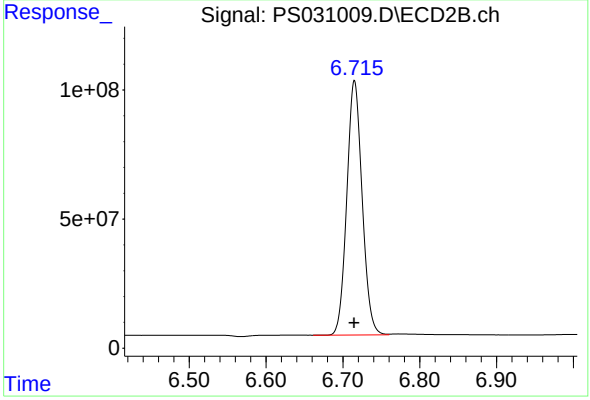
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: -0.002 min
Response: 2470755877
Conc: 911.32 ng/ml



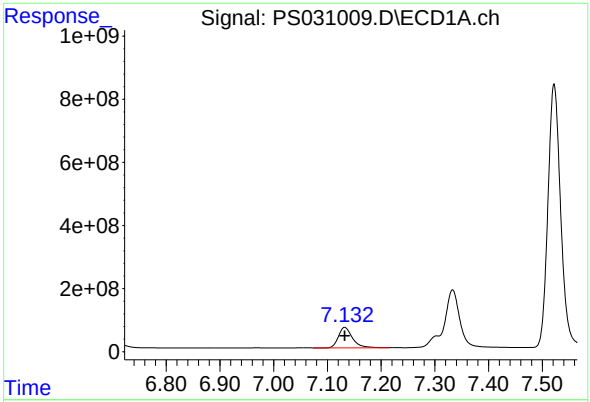
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 4586688502
Conc: 920.21 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

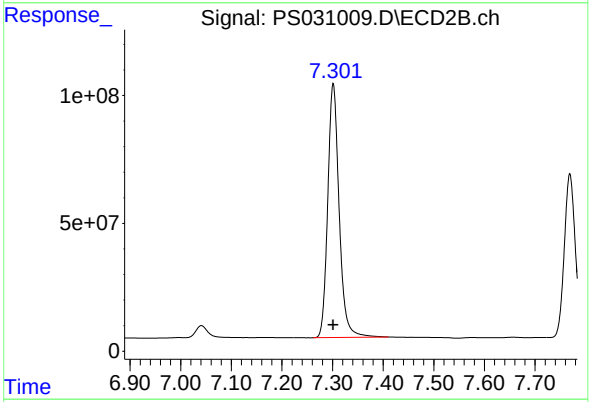
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 1368901126
Conc: 930.10 ng/ml



#3 4-Nitrophenol

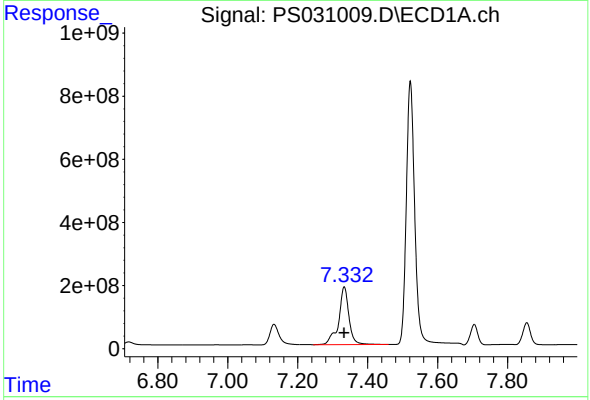
R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 1171857254
Conc: 909.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



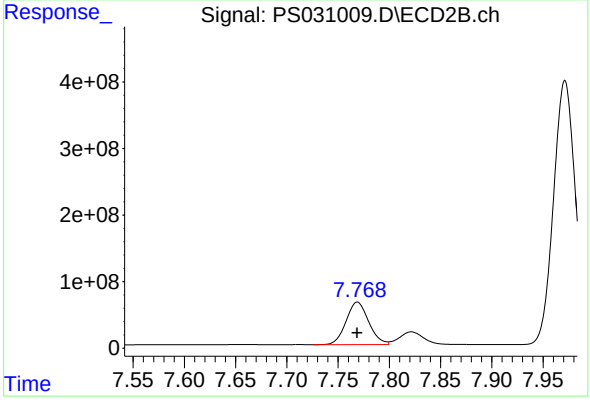
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1553386656
Conc: 925.73 ng/ml



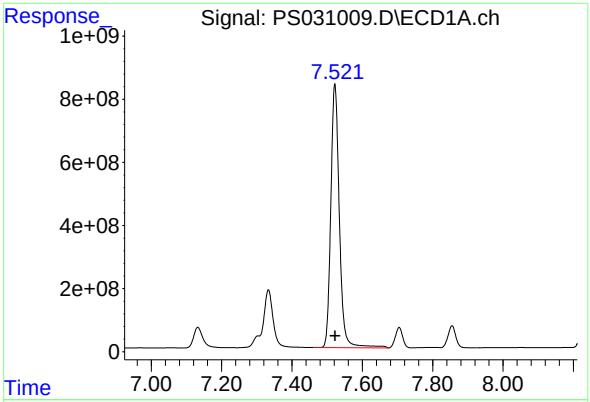
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 3730171946
Conc: 993.14 ng/ml



#4 2,4-DCAA

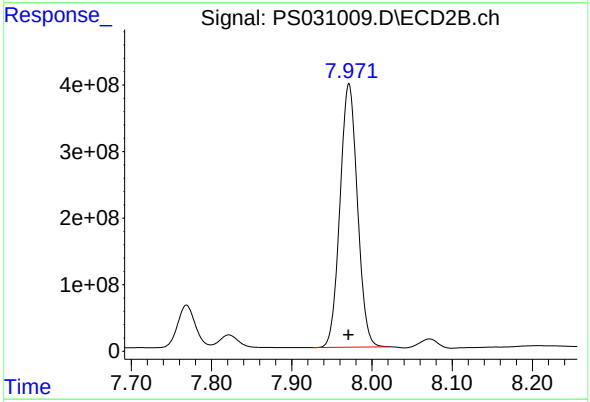
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 981301761
Conc: 997.19 ng/ml



#5 DICAMBA

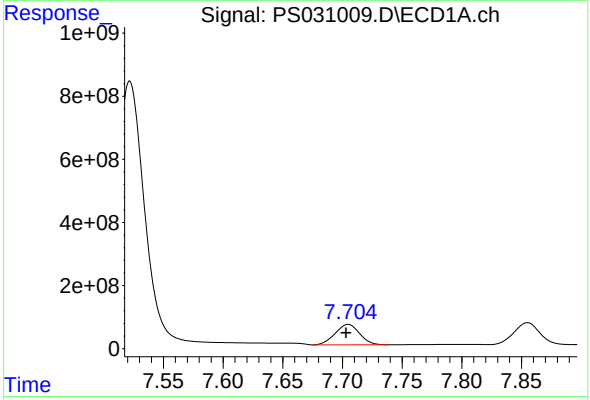
R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 14074612519
Conc: 936.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



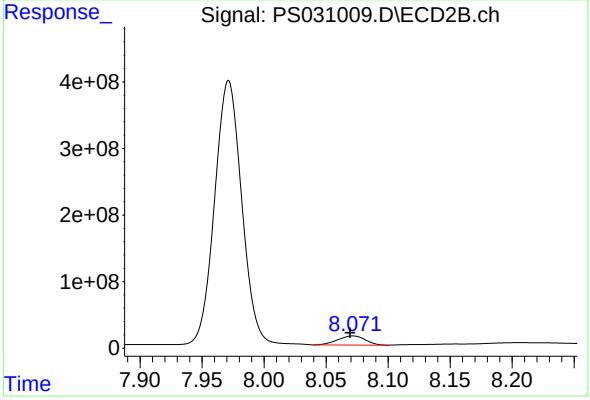
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 5978353694
Conc: 954.85 ng/ml



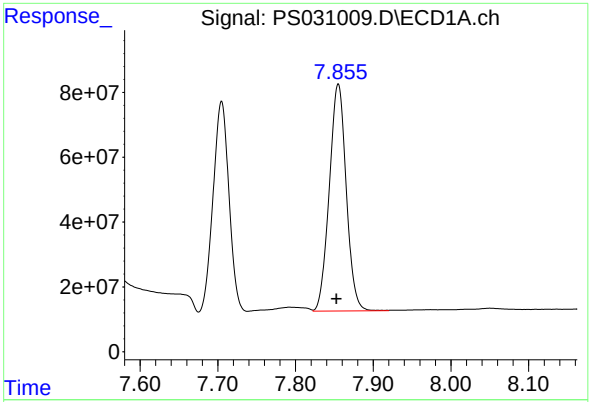
#6 MCPP

R.T.: 7.705 min
Delta R.T.: 0.002 min
Response: 923024142
Conc: 99.86 ug/ml



#6 MCPP

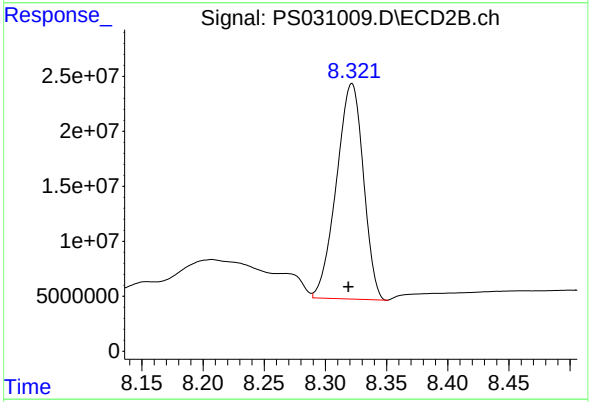
R.T.: 8.072 min
Delta R.T.: 0.002 min
Response: 208190809
Conc: 97.39 ug/ml



#7 MCPA

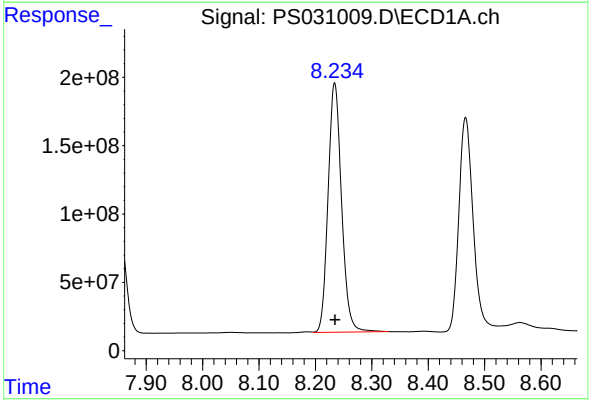
R.T.: 7.855 min
Delta R.T.: 0.002 min
Response: 1059623179
Conc: 98.60 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



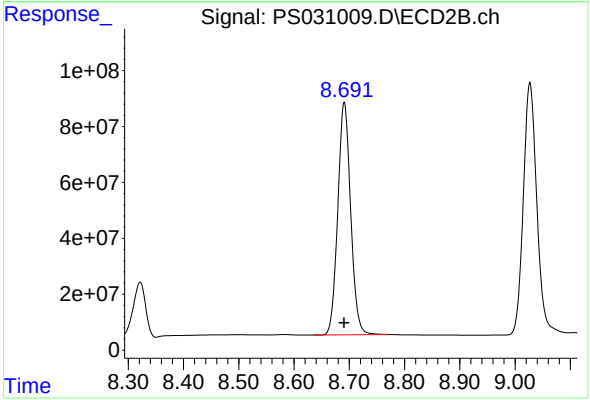
#7 MCPA

R.T.: 8.321 min
Delta R.T.: 0.003 min
Response: 300353593
Conc: 94.61 ug/ml



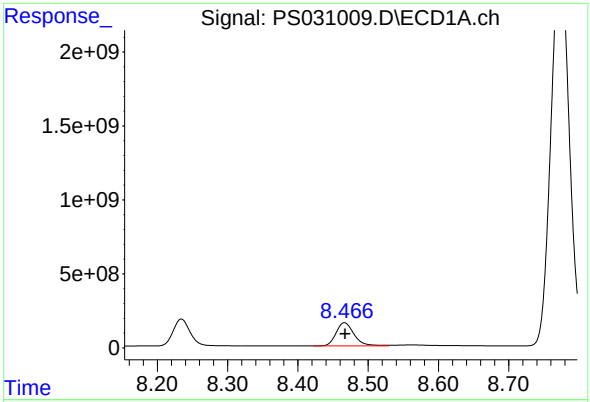
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 3026456787
Conc: 938.92 ng/ml



#8 DICHLORPROP

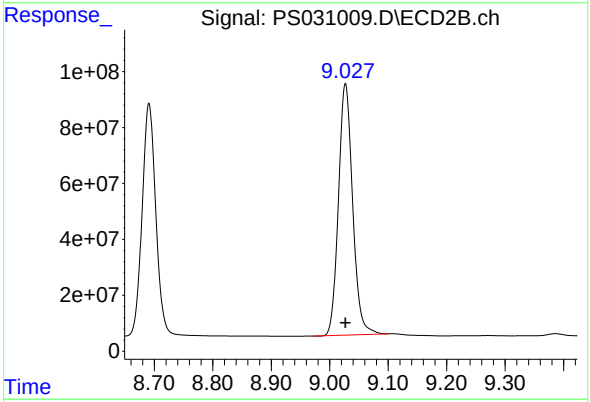
R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 1345273205
Conc: 930.73 ng/ml



#9 2,4-D

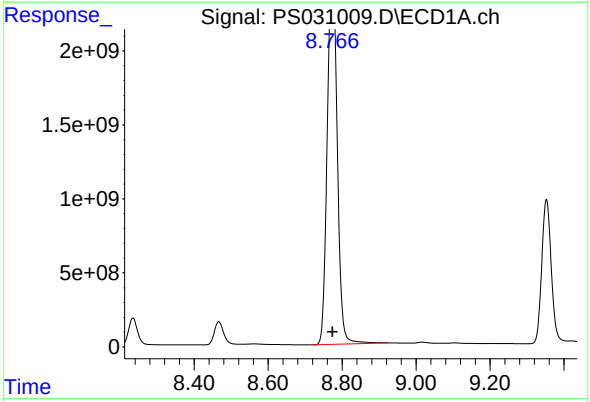
R.T.: 8.466 min
Delta R.T.: 0.000 min
Response: 2798237043
Conc: 954.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



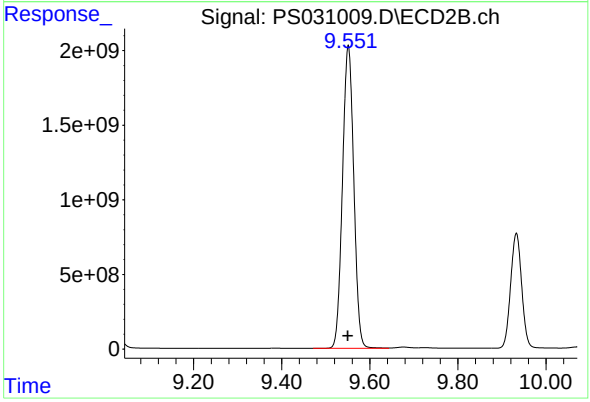
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1514066679
Conc: 936.03 ng/ml



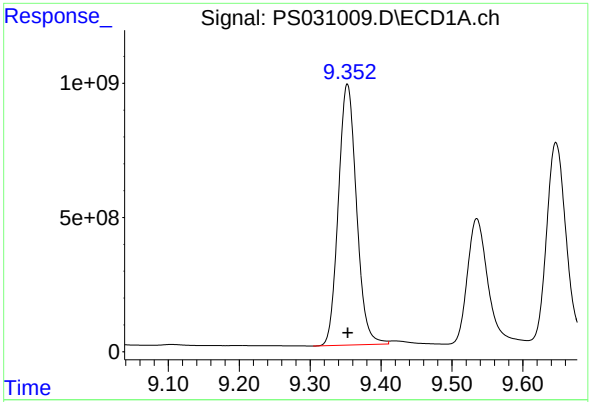
#10 Pentachlorophenol

R.T.: 8.777 min
Delta R.T.: 0.004 min
Response: 45013986182
Conc: 882.47 ng/ml



#10 Pentachlorophenol

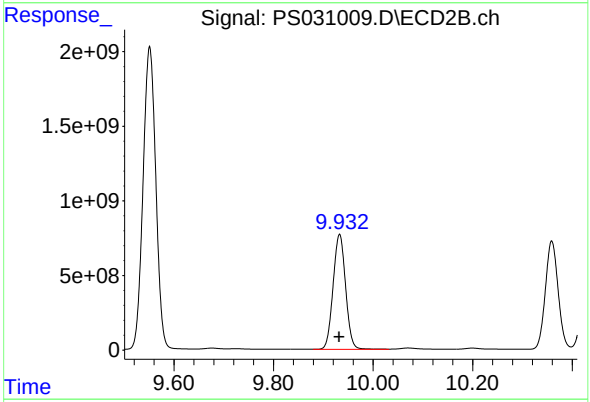
R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 36061055531
Conc: 946.31 ng/ml



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

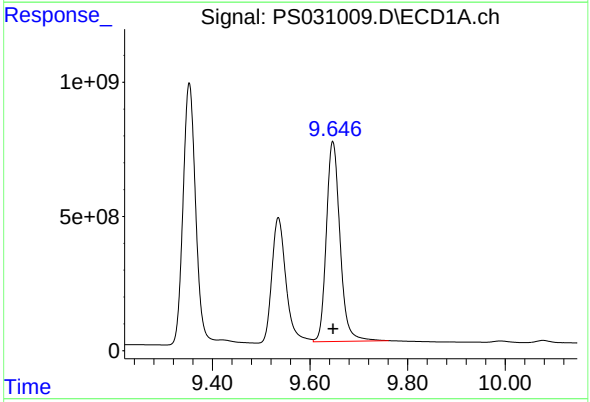
R.T.: 9.353 min
Delta R.T.: 0.000 min
Response: 17284442261
Conc: 950.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



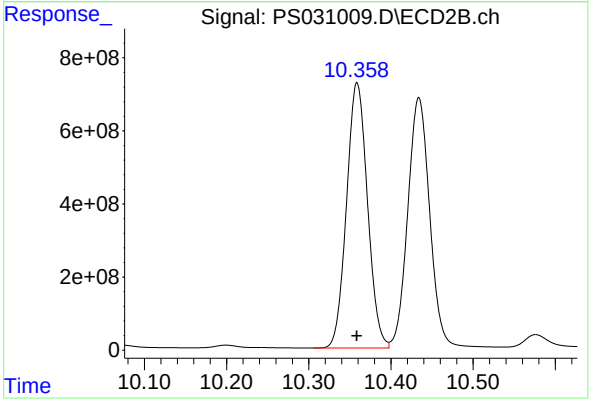
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 13424518414
Conc: 947.08 ng/ml



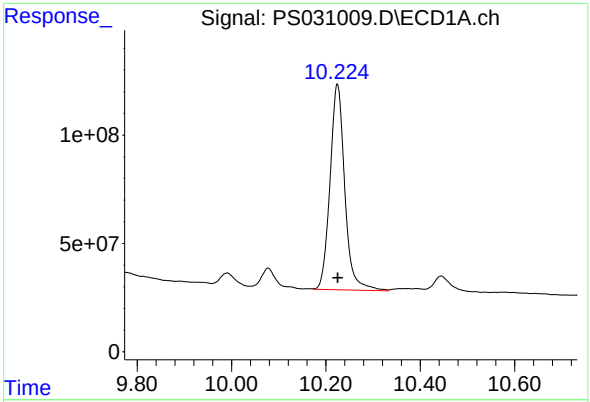
#12 2,4,5-T

R.T.: 9.647 min
Delta R.T.: 0.000 min
Response: 14457929335
Conc: 975.09 ng/ml



#12 2,4,5-T

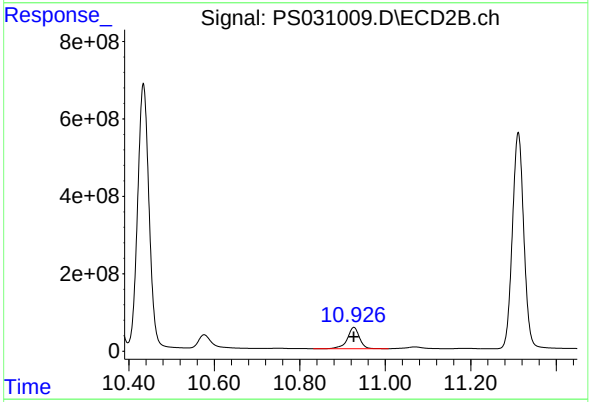
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 12860191165
Conc: 950.48 ng/ml



#13 2,4-DB

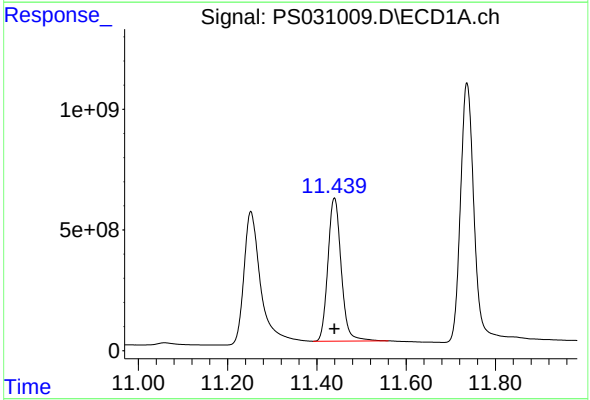
R.T.: 10.224 min
Delta R.T.: 0.000 min
Response: 2058176102
Conc: 985.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



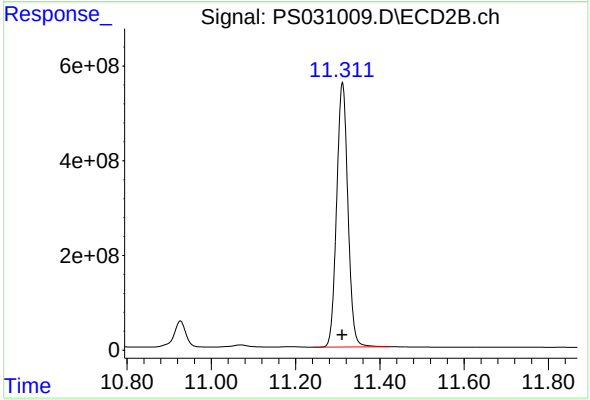
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 1075029412
Conc: 954.69 ng/ml



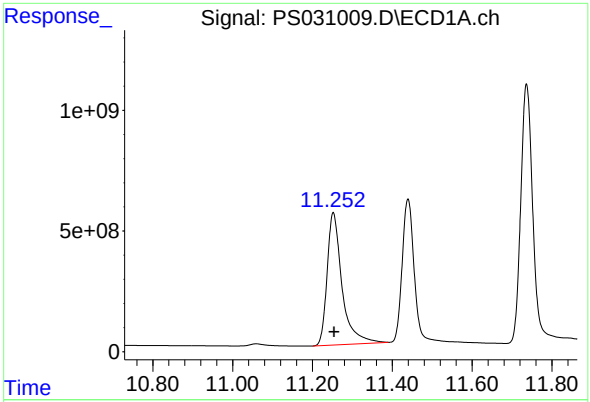
#14 DINOSEB

R.T.: 11.439 min
Delta R.T.: 0.000 min
Response: 12265386197
Conc: 956.21 ng/ml



#14 DINOSEB

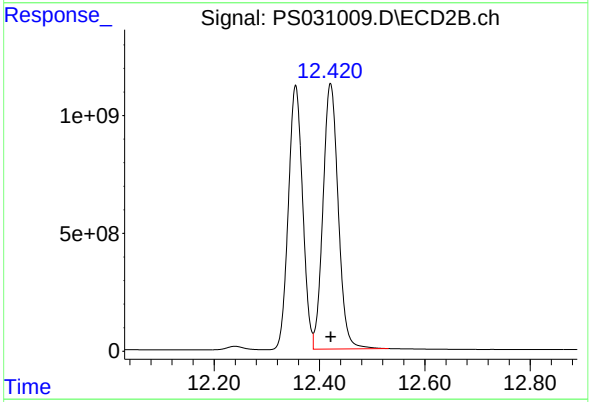
R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 10343562278
Conc: 947.33 ng/ml



#15 Picloram

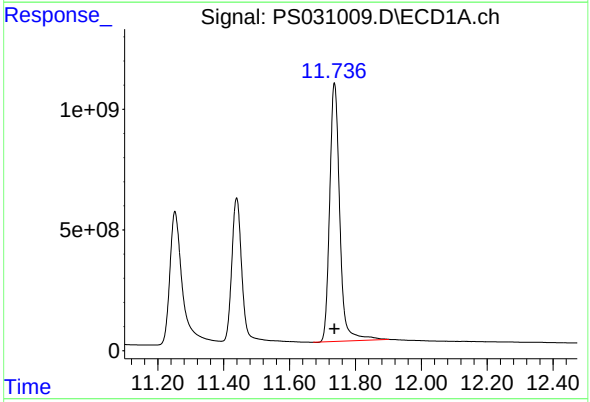
R.T.: 11.252 min
Delta R.T.: -0.002 min
Response: 14210502137
Conc: 992.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



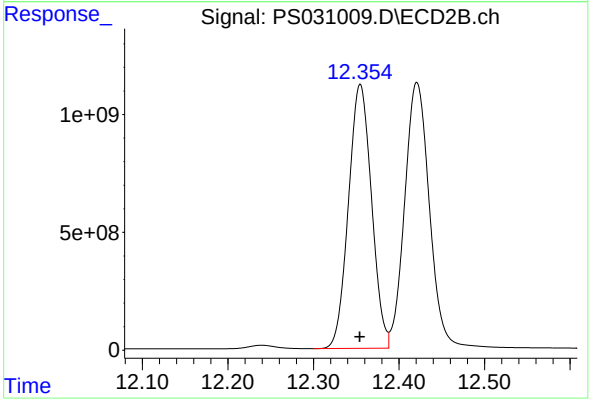
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 22631883912
Conc: 970.70 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 22762379086
Conc: 973.78 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 20994195939
Conc: 957.06 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:36
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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	7.332	7.767	5335.8E6	1418.1E6	1420.633m	1441.103
	Target Compounds						
1) T	Dalapon	2.698	2.707	7486.5E6	3547.9E6	1293.460	1308.613
2) T	3,5-DICHL...	6.493	6.714	6524.9E6	1980.6E6	1309.060	1345.701
3) T	4-Nitroph...	7.131	7.300	1725.8E6	2292.6E6	1339.368	1366.259
5) T	DICAMBA	7.521	7.970	20106.6E6	8698.0E6	1338.332	1389.226
6) T	MCPP	7.707	8.074	1430.6E6	309.1E6	154.781	144.613
7) T	MCPA	7.857	8.324	1645.7E6	445.0E6	153.134	140.171
8) T	DICHLORPROP	8.234	8.689	4381.4E6	1928.8E6	1359.272	1334.416
9) T	2,4-D	8.466	9.025	4148.9E6	2179.6E6	1415.062	1347.498
10) T	Pentachlo...	8.782	9.550	52777.9E6	46094.6E6	1034.675	1209.611
11) T	2,4,5-TP ...	9.352	9.931	25168.8E6	19018.3E6	1383.742	1341.717
12) T	2,4,5-T	9.646	10.358	21706.0E6	18321.9E6	1463.931	1354.148
13) T	2,4-DB	10.223	10.925	3219.3E6	1559.4E6	1541.540	1384.859
14) T	DINOSEB	11.439	11.310	18156.7E6	14885.6E6	1415.498	1363.317
15) T	Picloram	11.250	12.420	22339.0E6	32971.5E6	1560.697	1414.175
16) T	DCPA	11.735	12.353	32997.7E6	29826.3E6	1411.653	1359.686m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:36
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

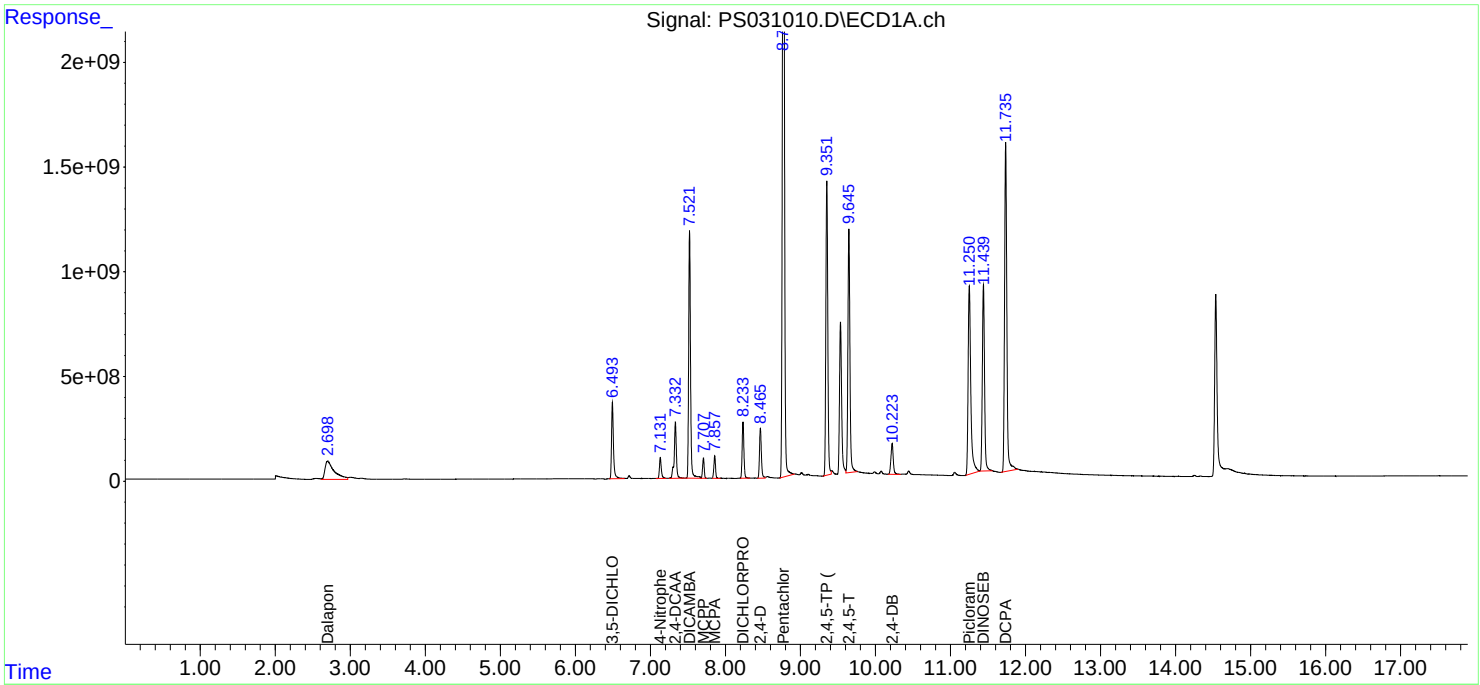
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

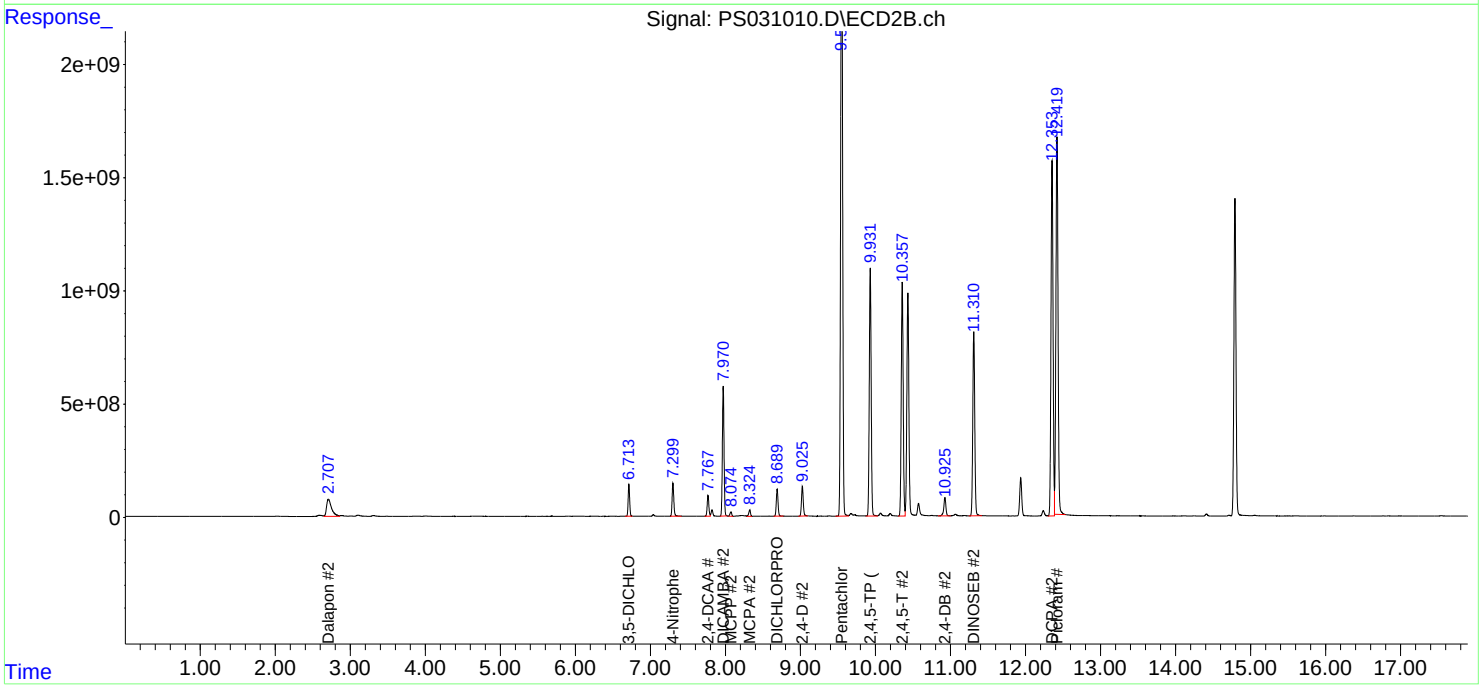
Manual Integrations APPROVED

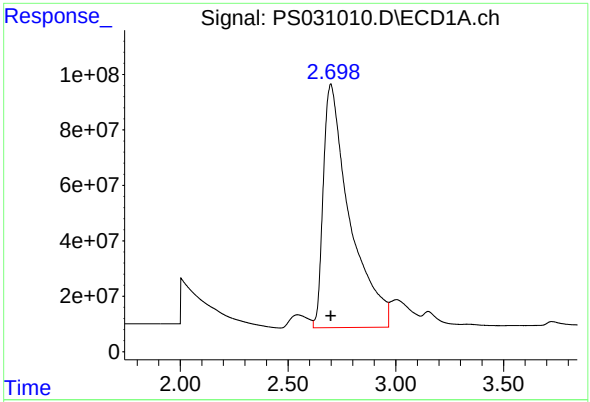
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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







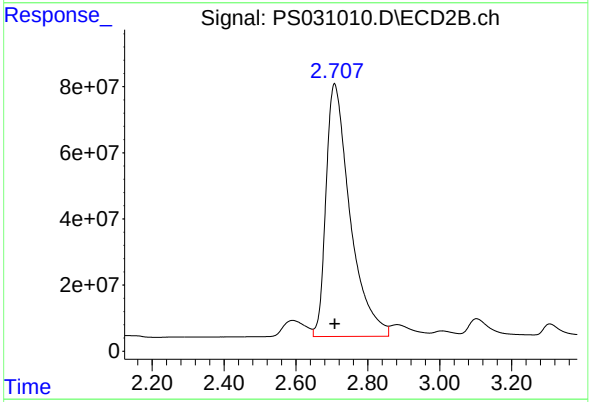
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: 0.000 min
Response: 7486531904
Conc: 1293.46 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

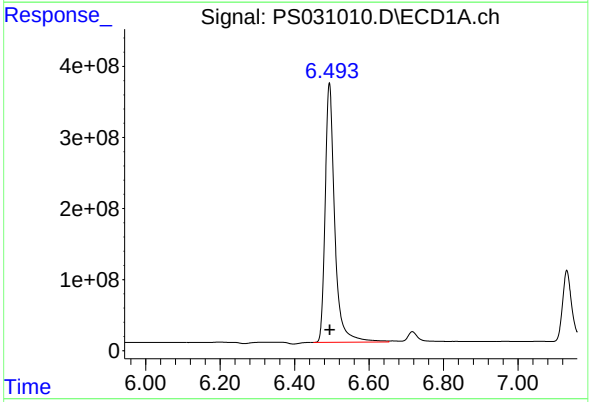
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



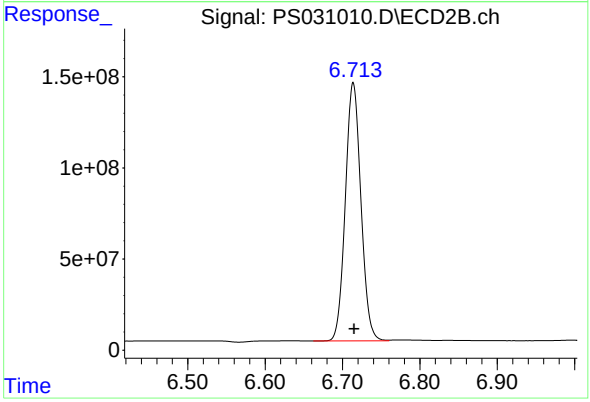
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: 0.000 min
Response: 3547892503
Conc: 1308.61 ng/ml



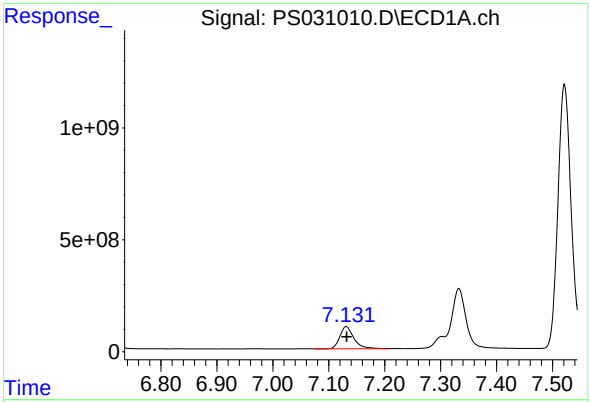
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 6524860091
Conc: 1309.06 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 1980574001
Conc: 1345.70 ng/ml



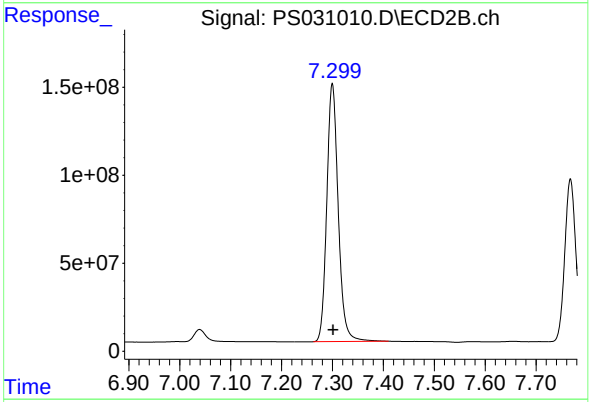
#3 4-Nitrophenol

R.T.: 7.131 min
Delta R.T.: -0.001 min
Response: 1725756193
Conc: 1339.37 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

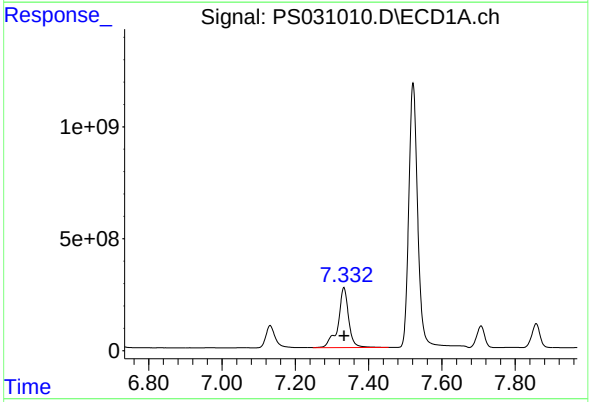
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



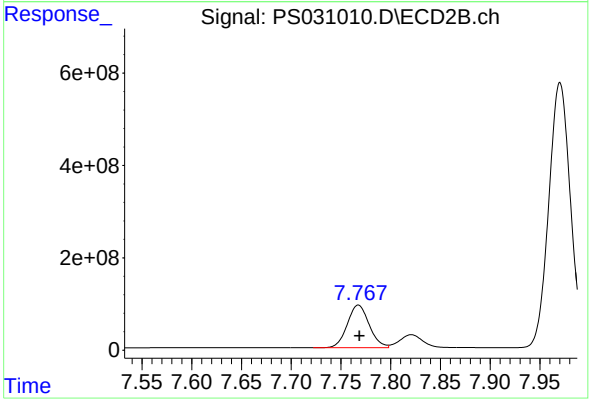
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.001 min
Response: 2292600688
Conc: 1366.26 ng/ml



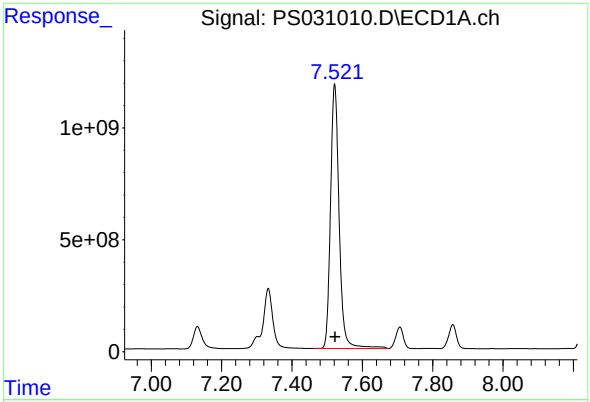
#4 2,4-DCAA

R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 5335831602
Conc: 1420.63 ng/ml m



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 1418147073
Conc: 1441.10 ng/ml



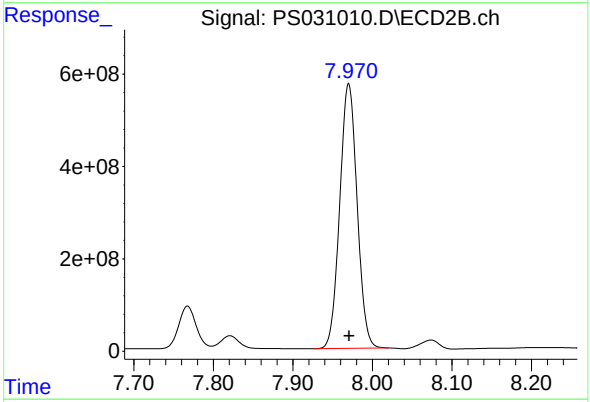
#5 DICAMBA

R.T.: 7.521 min
Delta R.T.: -0.001 min
Response: 20106636853
Conc: 1338.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

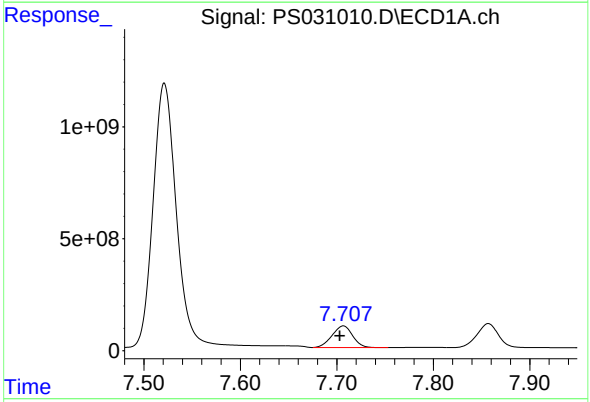
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



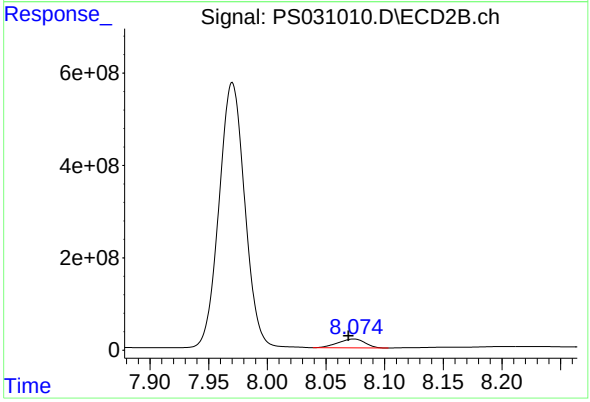
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 8697989555
Conc: 1389.23 ng/ml



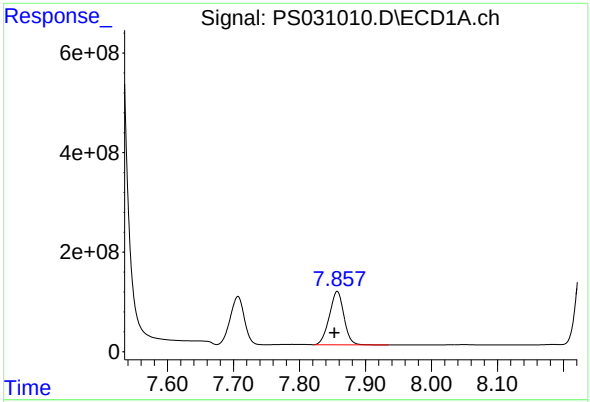
#6 MCPP

R.T.: 7.707 min
Delta R.T.: 0.004 min
Response: 1430619341
Conc: 154.78 ug/ml



#6 MCPP

R.T.: 8.074 min
Delta R.T.: 0.004 min
Response: 309124730
Conc: 144.61 ug/ml



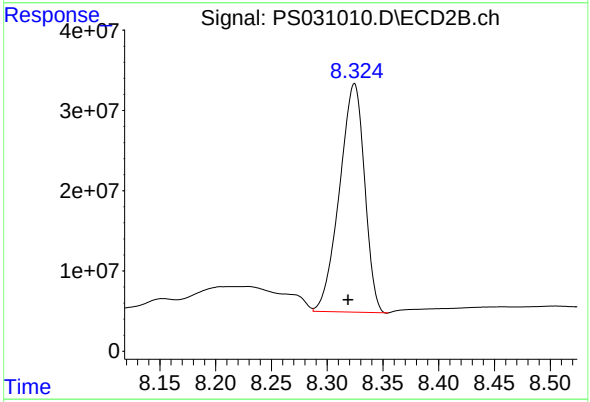
#7 MCPA

R.T.: 7.857 min
Delta R.T.: 0.004 min
Response: 1645689214
Conc: 153.13 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

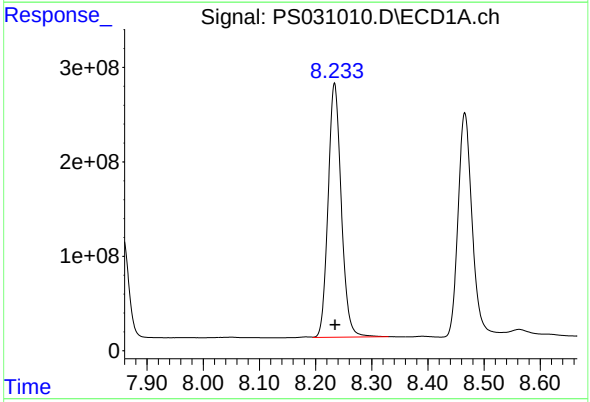
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



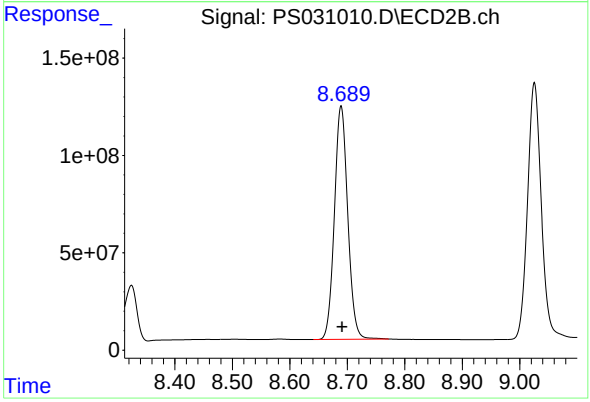
#7 MCPA

R.T.: 8.324 min
Delta R.T.: 0.005 min
Response: 445009528
Conc: 140.17 ug/ml



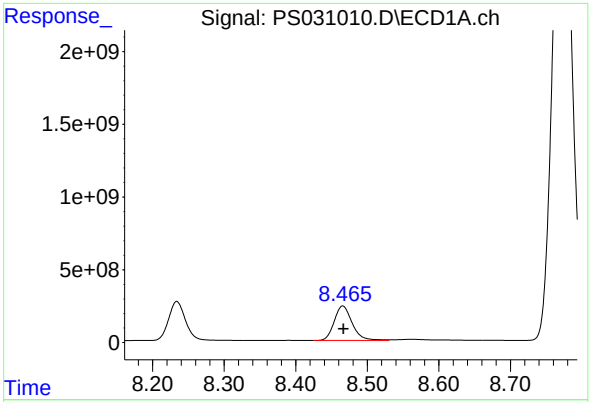
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 4381392344
Conc: 1359.27 ng/ml



#8 DICHLORPROP

R.T.: 8.689 min
Delta R.T.: -0.001 min
Response: 1928757923
Conc: 1334.42 ng/ml



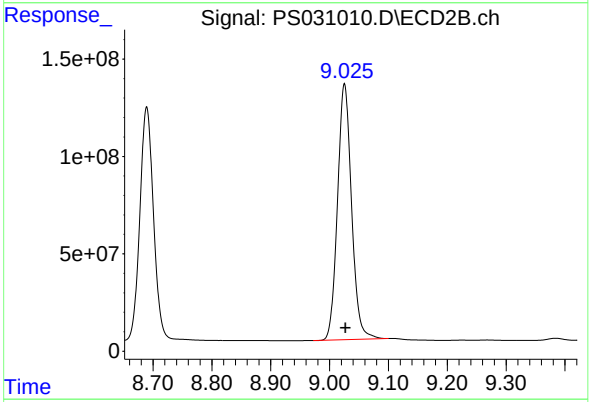
#9 2,4-D

R.T.: 8.466 min
Delta R.T.: -0.001 min
Response: 4148934902
Conc: 1415.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

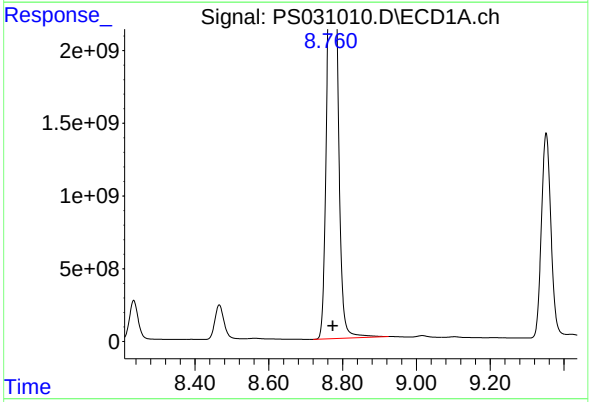
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



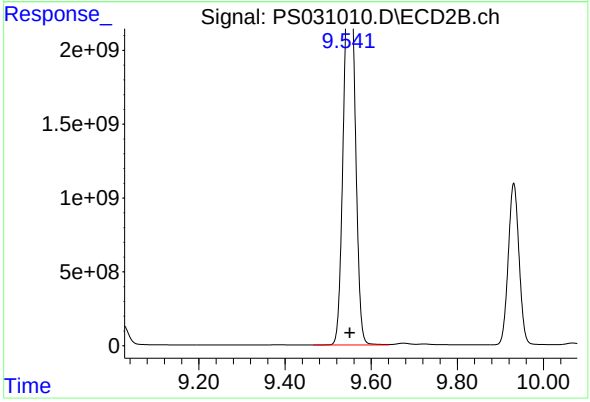
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: -0.001 min
Response: 2179642837
Conc: 1347.50 ng/ml



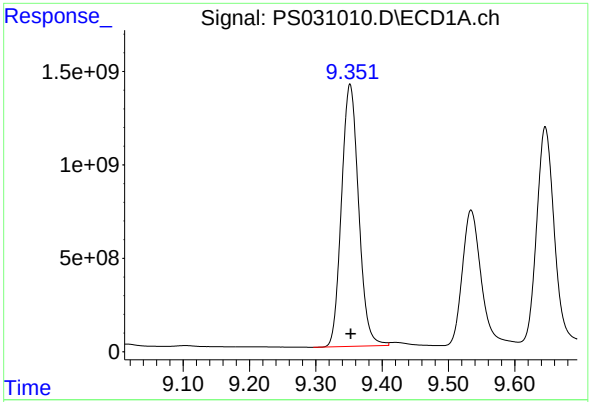
#10 Pentachlorophenol

R.T.: 8.782 min
Delta R.T.: 0.009 min
Response: 52777914102
Conc: 1034.67 ng/ml



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 46094585187
Conc: 1209.61 ng/ml



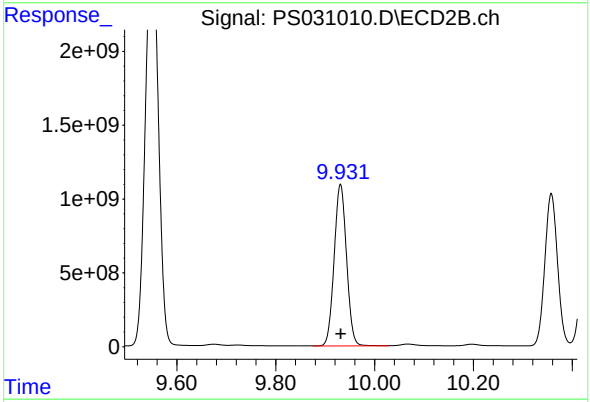
#11 2,4,5-TP (SILVEX)

R.T.: 9.352 min
Delta R.T.: -0.001 min
Response: 25168810645
Conc: 1383.74 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

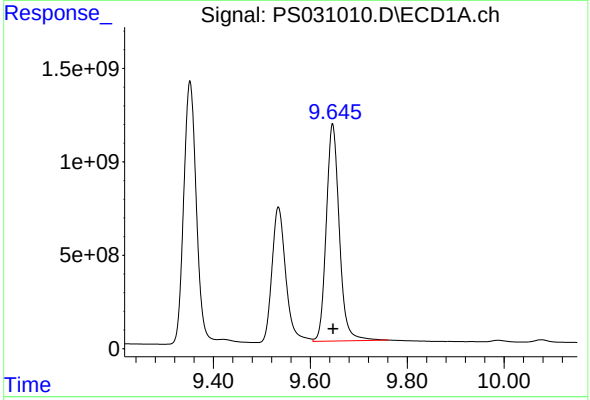
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



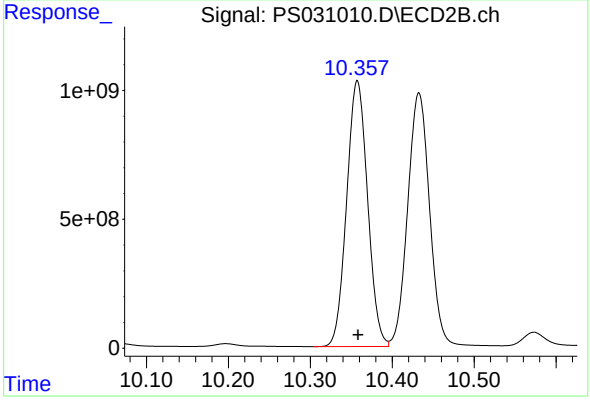
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 19018287889
Conc: 1341.72 ng/ml



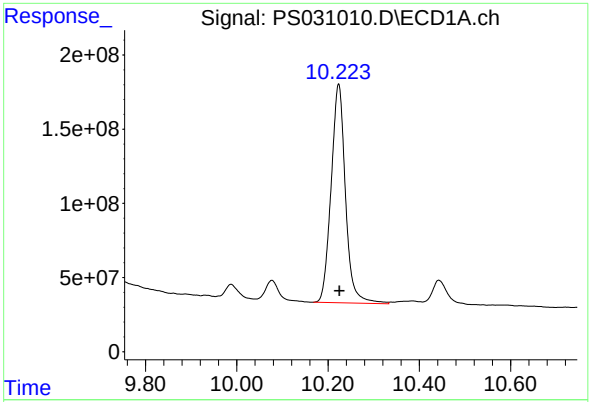
#12 2,4,5-T

R.T.: 9.646 min
Delta R.T.: 0.000 min
Response: 21706003287
Conc: 1463.93 ng/ml



#12 2,4,5-T

R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 18321856144
Conc: 1354.15 ng/ml



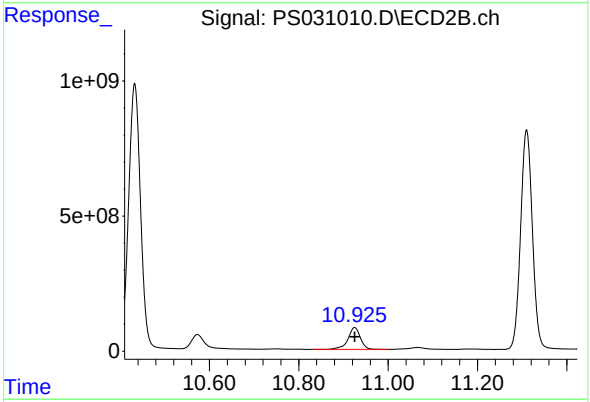
#13 2,4-DB

R.T.: 10.223 min
Delta R.T.: -0.002 min
Response: 3219255332
Conc: 1541.54 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

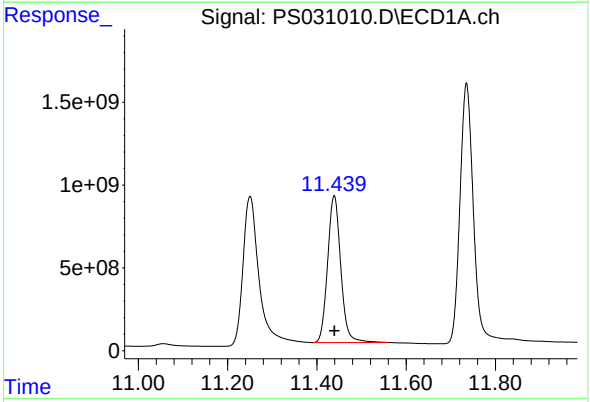
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



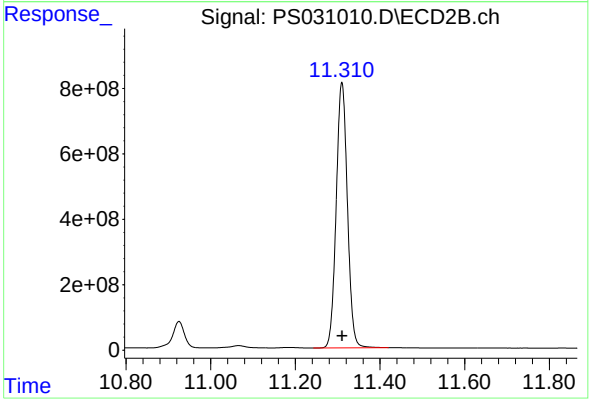
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 1559418116
Conc: 1384.86 ng/ml



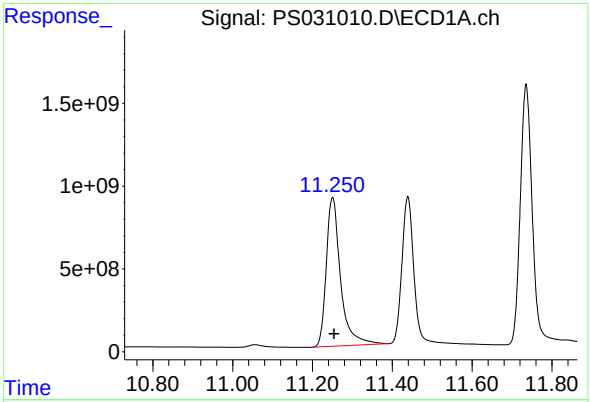
#14 DINOSEB

R.T.: 11.439 min
Delta R.T.: 0.000 min
Response: 18156696343
Conc: 1415.50 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 14885552877
Conc: 1363.32 ng/ml



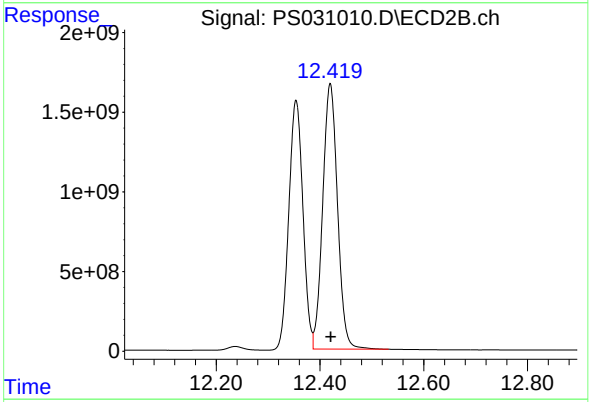
#15 Picloram

R.T.: 11.250 min
Delta R.T.: -0.003 min
Response: 22338978166
Conc: 1560.70 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

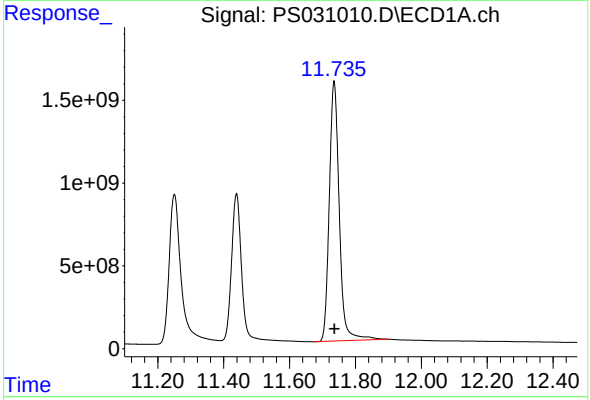
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



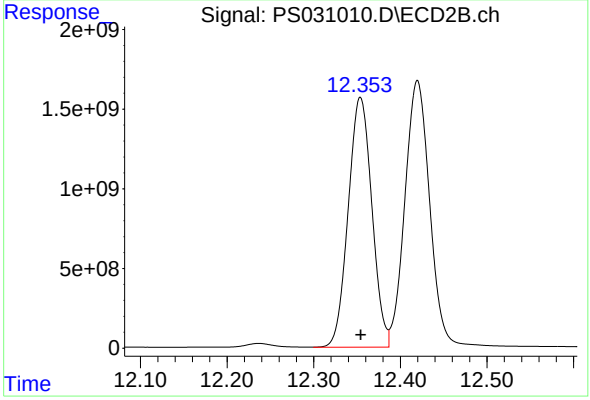
#15 Picloram

R.T.: 12.420 min
Delta R.T.: -0.001 min
Response: 32971484278
Conc: 1414.18 ng/ml



#16 DCPA

R.T.: 11.735 min
Delta R.T.: 0.000 min
Response: 32997699560
Conc: 1411.65 ng/ml



#16 DCPA

R.T.: 12.353 min
Delta R.T.: 0.000 min
Response: 29826346006
Conc: 1359.69 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 18:00
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS071125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 06:06:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.332	7.768	2825.0E6	731.4E6	714.274	705.963
	Target Compounds						
1) T	Dalapon	2.695	2.706	3939.2E6	1843.1E6	646.655	648.311
2) T	3,5-DICHL...	6.493	6.714	3460.4E6	1019.8E6	660.550	657.810
3) T	4-Nitroph...	7.132	7.301	889.5E6	1143.6E6	658.879	655.777
5) T	DICAMBA	7.521	7.970	10533.5E6	4396.1E6	671.311	678.778
6) T	MCPP	7.703	8.069	652.1E6	151.4E6	70.866	70.806
7) T	MCPA	7.852	8.318	753.4E6	219.4E6	69.076	68.455
8) T	DICHLORPROP	8.234	8.690	2289.8E6	1012.0E6	672.461	666.146
9) T	2,4-D	8.466	9.026	2119.0E6	1134.8E6	688.327	667.745
10) T	Pentachlo...	8.772	9.550	36604.6E6	27066.6E6	728.282	702.389
11) T	2,4,5-TP ...	9.351	9.931	13144.8E6	10082.1E6	706.301	686.990
12) T	2,4,5-T	9.646	10.358	10944.0E6	9628.3E6	719.369	688.141
13) T	2,4-DB	10.224	10.926	1553.9E6	805.1E6	715.821	680.422
14) T	DINOSEB	11.439	11.311	9337.6E6	7679.2E6	708.255	676.490
15) T	Picloram	11.253	12.421	10790.8E6	16807.3E6	740.520	715.792
16) T	DCPA	11.736	12.354	17450.4E6	15781.9E6	729.009	699.801

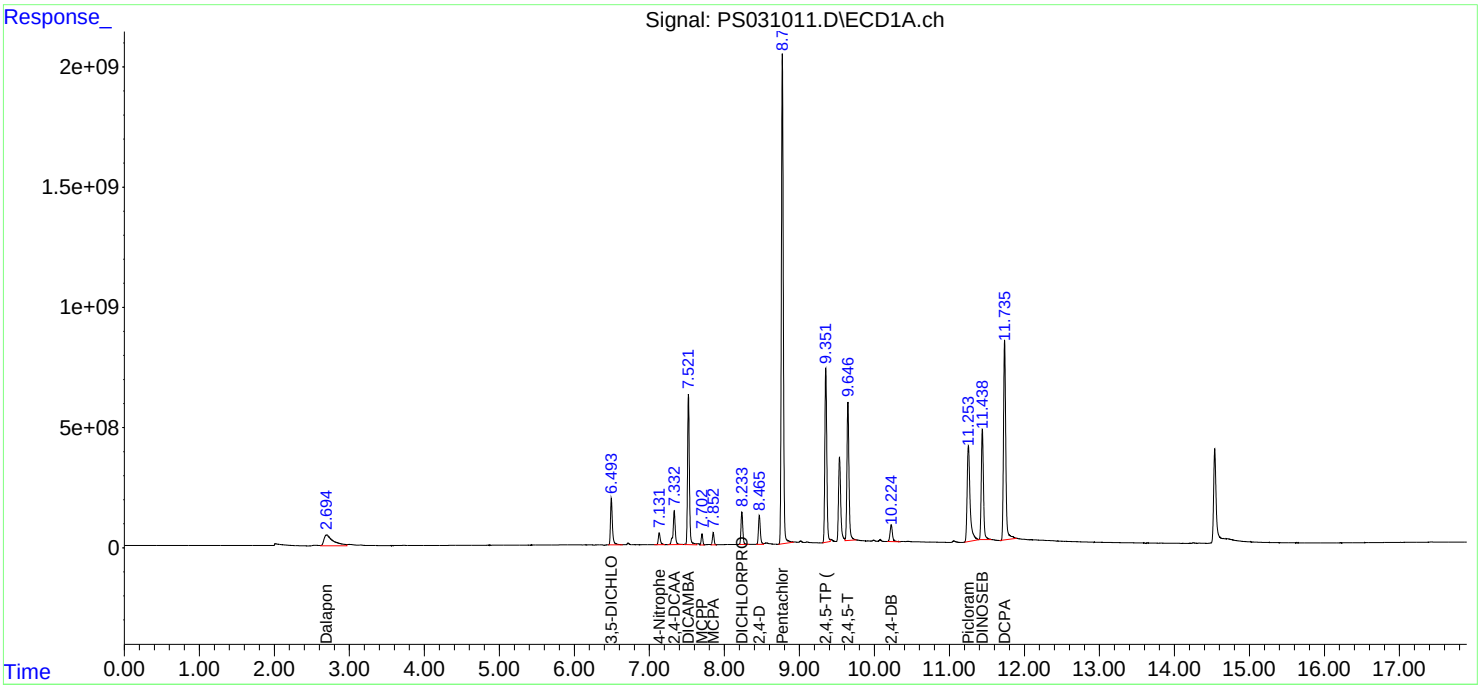
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

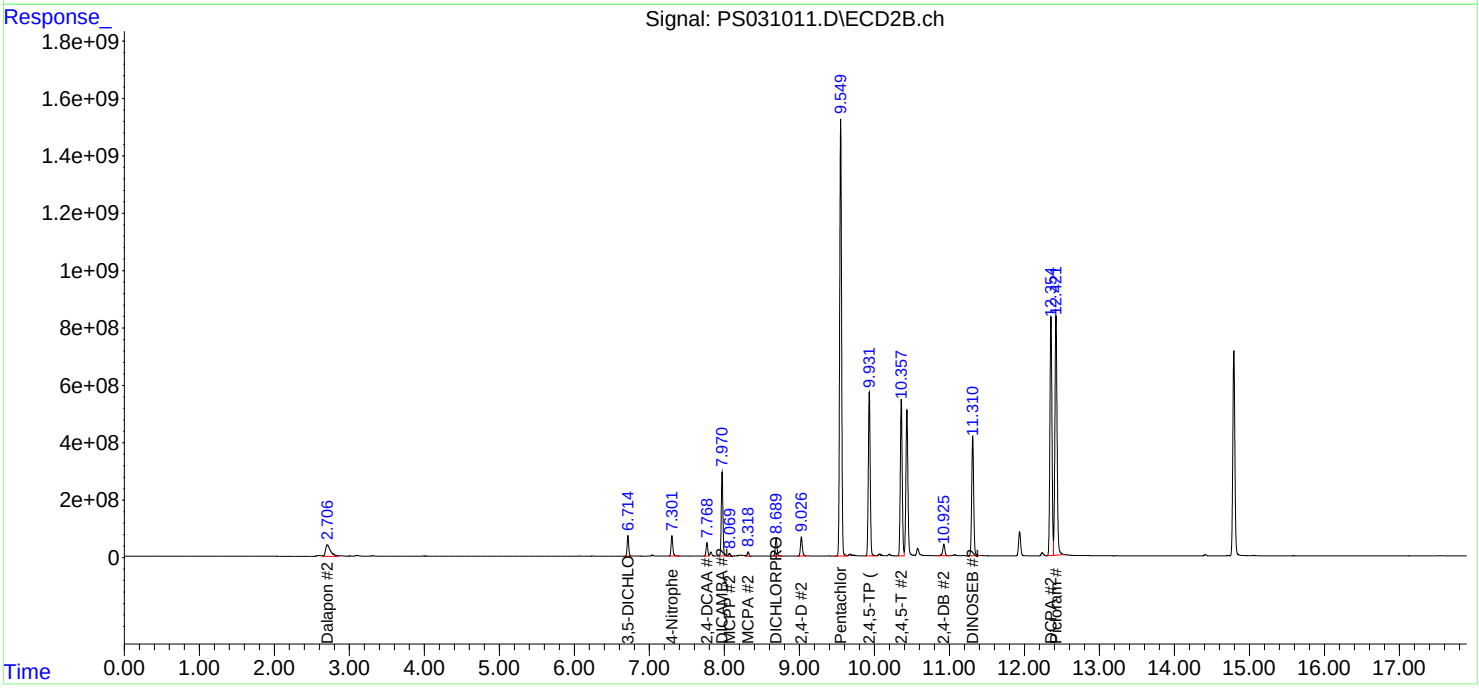
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 18:00
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

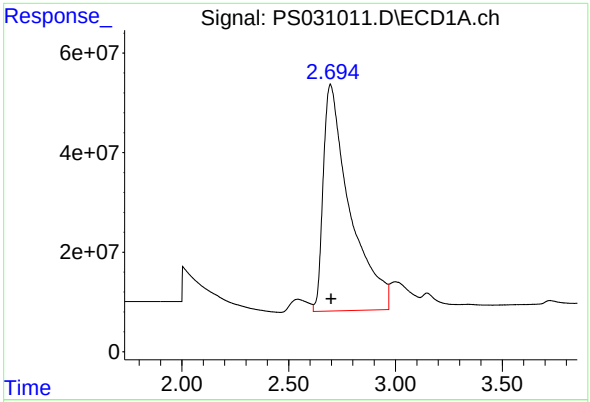
Instrument :
ECD_S
ClientSampleId :
ICVPS071125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 06:06:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



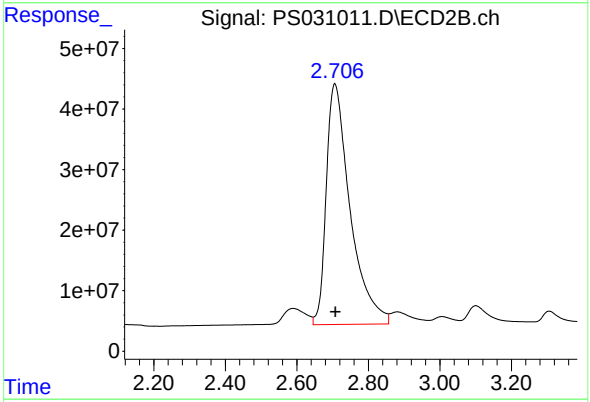




#1 Dalapon

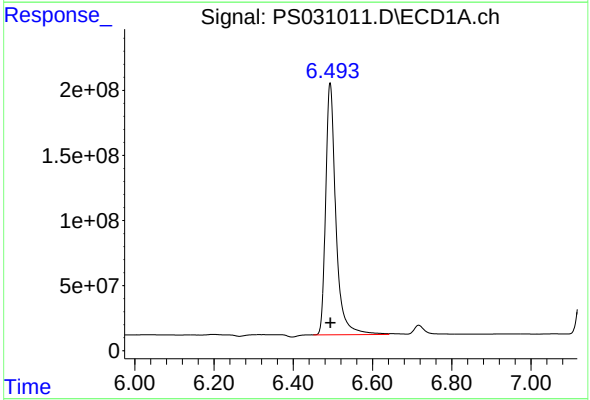
R.T.: 2.695 min
Delta R.T.: -0.003 min
Response: 3939241593
Conc: 646.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



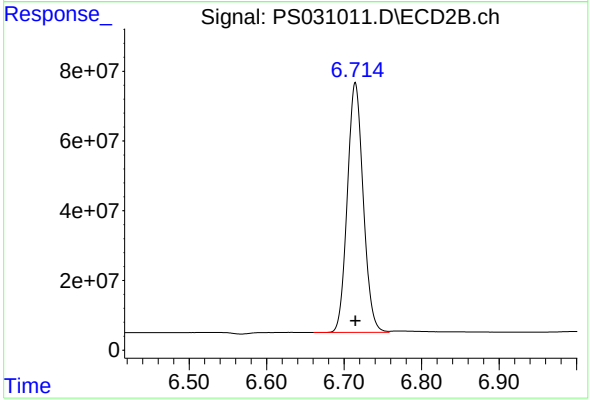
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: -0.002 min
Response: 1843056084
Conc: 648.31 ng/ml



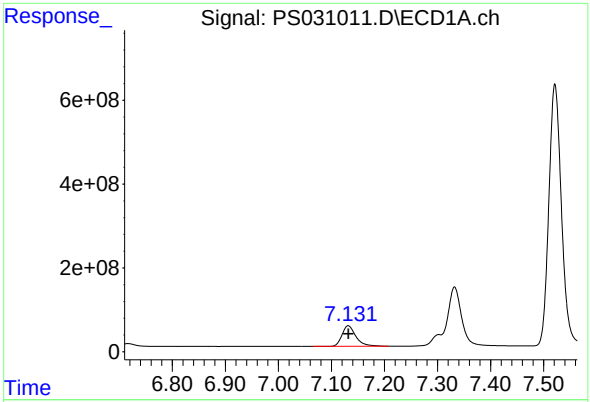
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 3460359678
Conc: 660.55 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

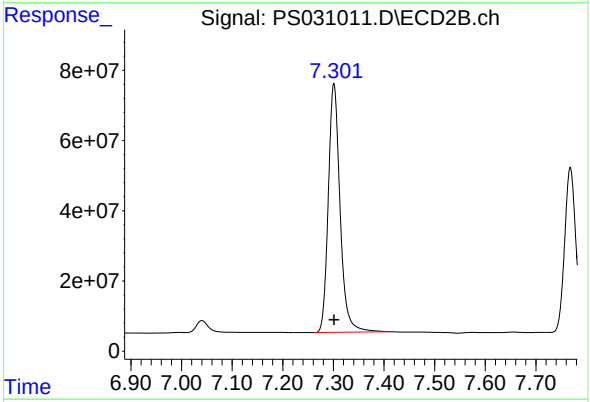
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 1019827848
Conc: 657.81 ng/ml



#3 4-Nitrophenol

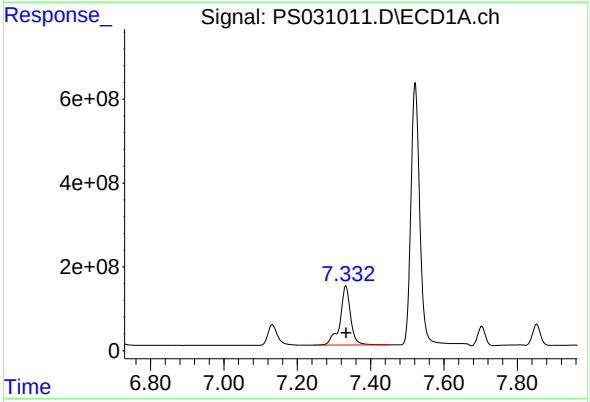
R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 889491386
Conc: 658.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



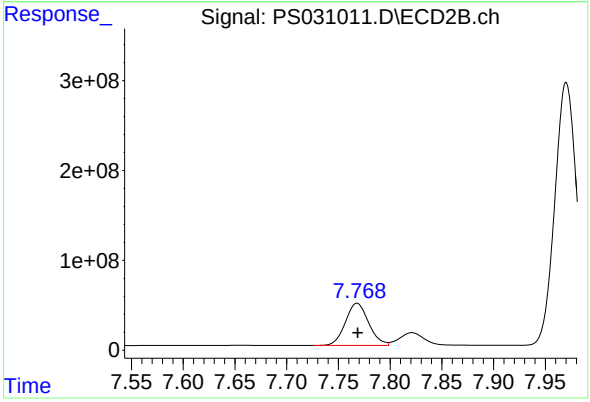
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1143602772
Conc: 655.78 ng/ml



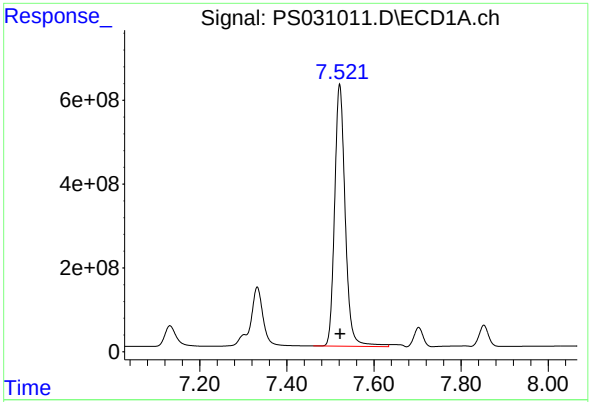
#4 2,4-DCAA

R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 2825007092
Conc: 714.27 ng/ml



#4 2,4-DCAA

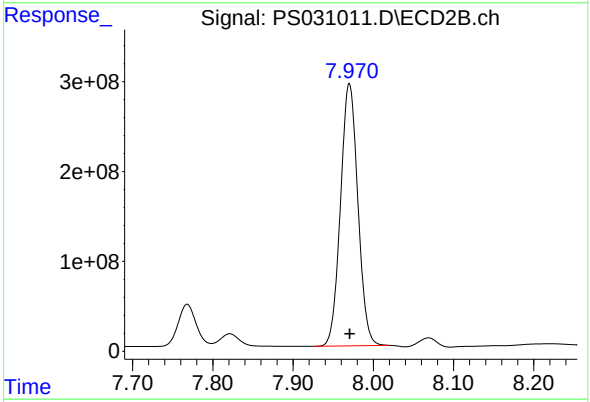
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 731400309
Conc: 705.96 ng/ml



#5 DICAMBA

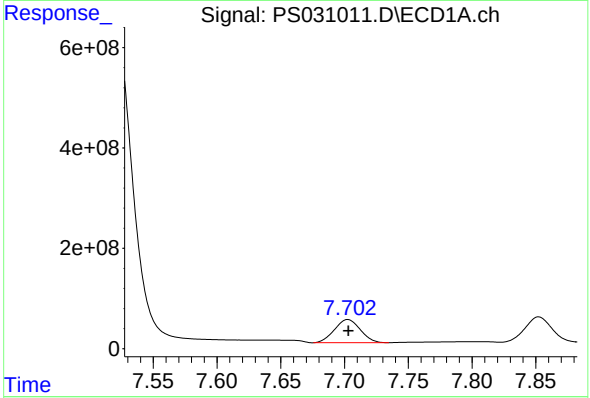
R.T.: 7.521 min
Delta R.T.: -0.001 min
Response: 10533479624
Conc: 671.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



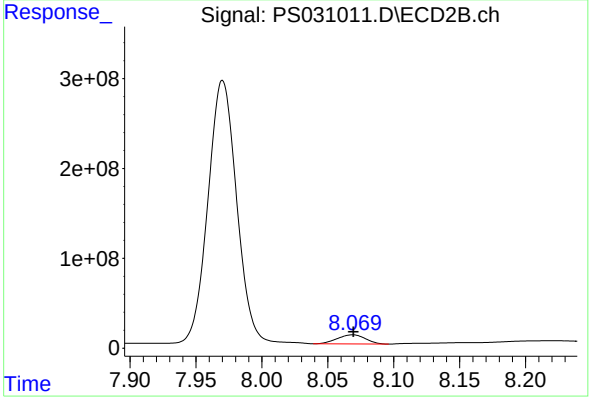
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 4396050282
Conc: 678.78 ng/ml



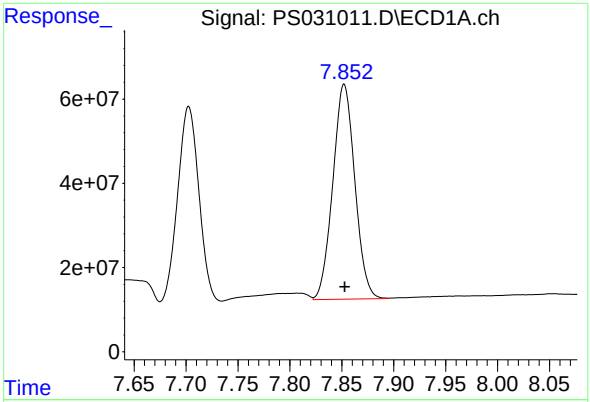
#6 MCPP

R.T.: 7.703 min
Delta R.T.: 0.000 min
Response: 652061086
Conc: 70.87 ug/ml



#6 MCPP

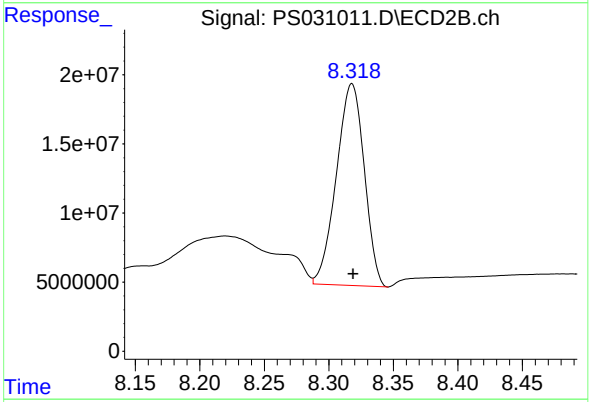
R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 151378576
Conc: 70.81 ug/ml



#7 MCPA

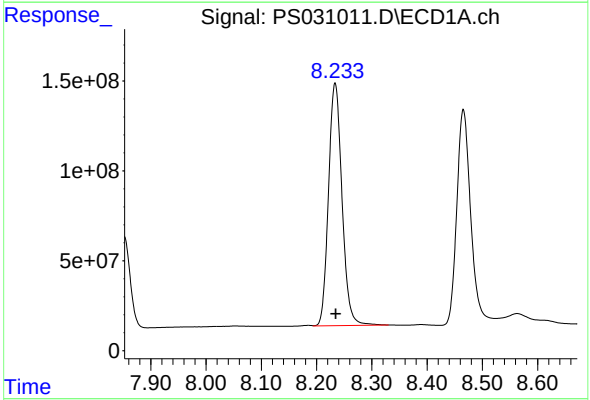
R.T.: 7.852 min
Delta R.T.: 0.000 min
Response: 753393992
Conc: 69.08 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



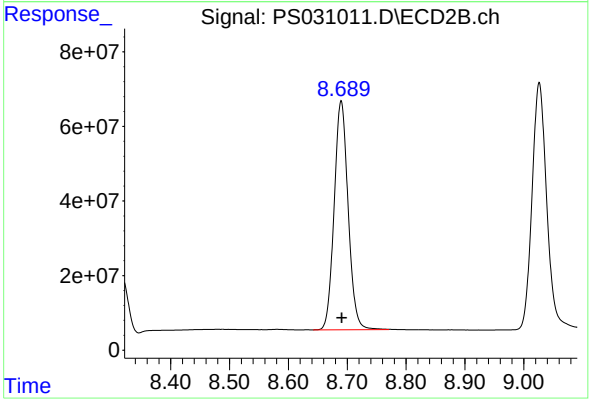
#7 MCPA

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 219442949
Conc: 68.45 ug/ml



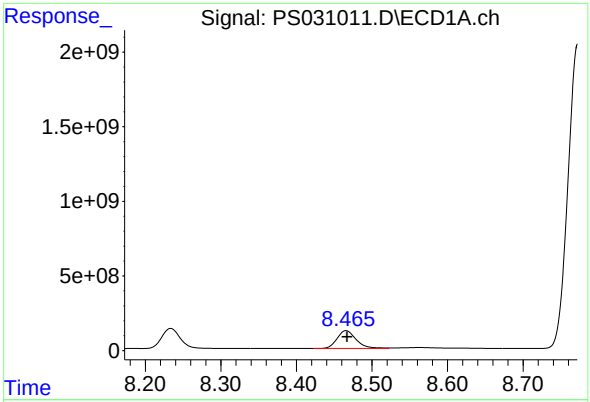
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: -0.001 min
Response: 2289832914
Conc: 672.46 ng/ml



#8 DICHLORPROP

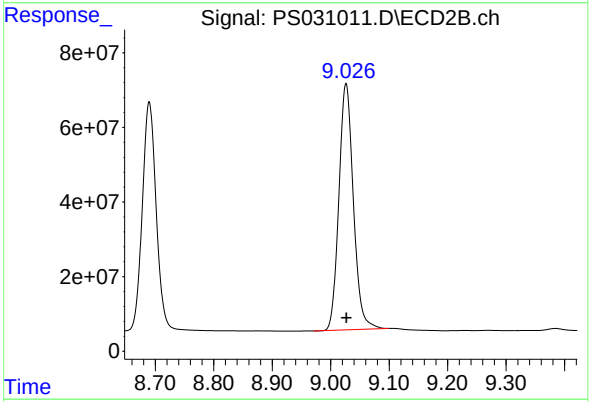
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 1012049973
Conc: 666.15 ng/ml



#9 2,4-D

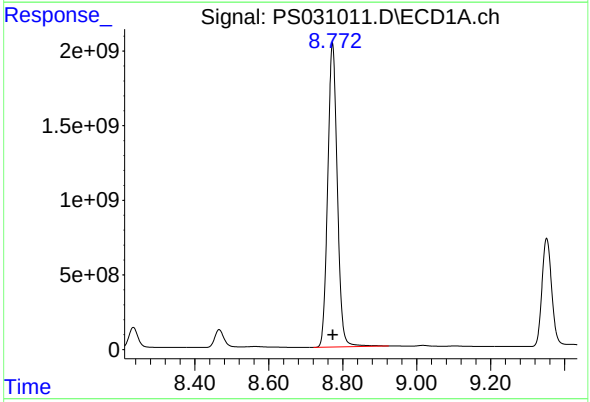
R.T.: 8.466 min
Delta R.T.: -0.001 min
Response: 2118970263
Conc: 688.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



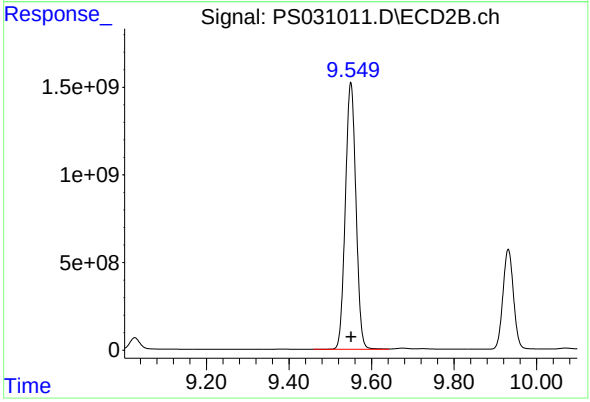
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 1134808824
Conc: 667.74 ng/ml



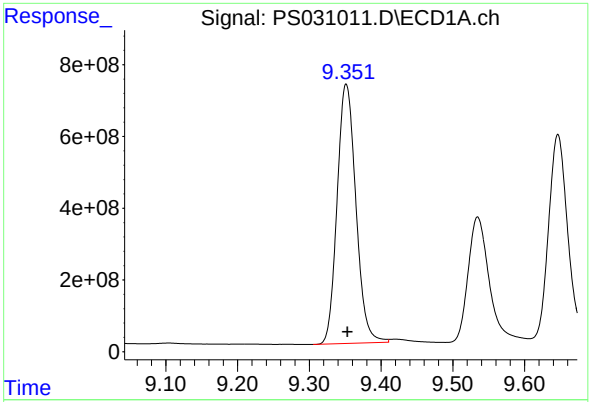
#10 Pentachlorophenol

R.T.: 8.772 min
Delta R.T.: 0.000 min
Response: 36604568480
Conc: 728.28 ng/ml



#10 Pentachlorophenol

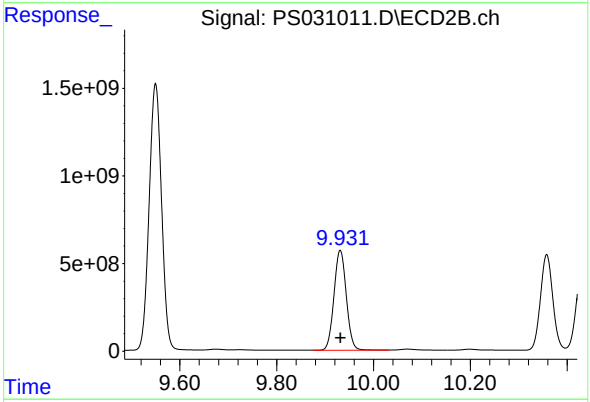
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 27066602168
Conc: 702.39 ng/ml



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

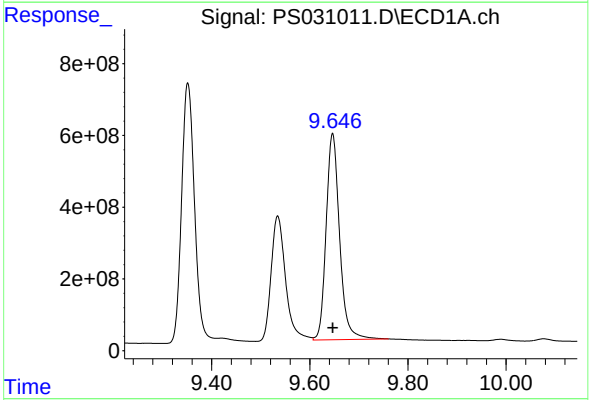
R.T.: 9.351 min
Delta R.T.: -0.002 min
Response: 13144771254
Conc: 706.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



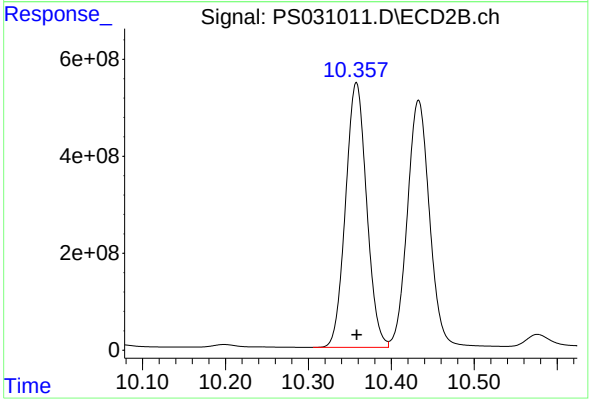
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 10082108627
Conc: 686.99 ng/ml



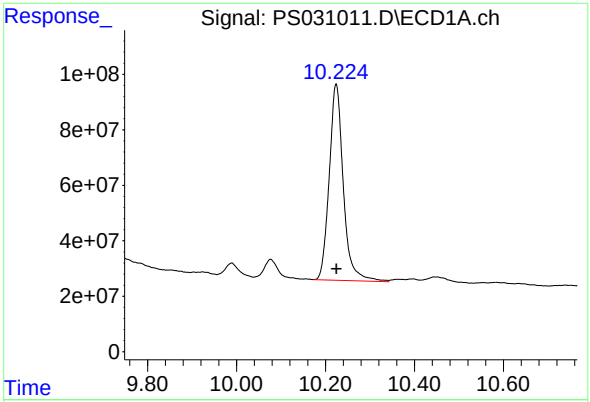
#12 2,4,5-T

R.T.: 9.646 min
Delta R.T.: 0.000 min
Response: 10943995457
Conc: 719.37 ng/ml



#12 2,4,5-T

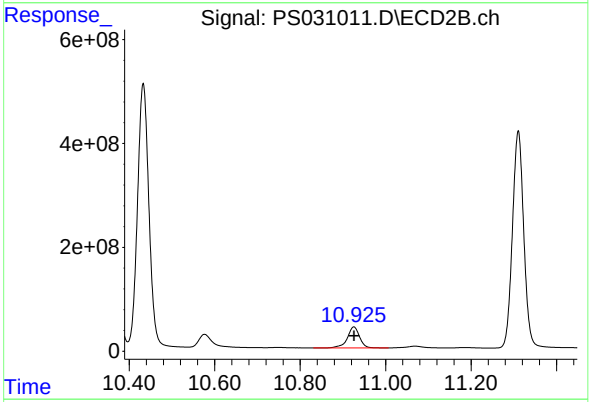
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 9628344065
Conc: 688.14 ng/ml



#13 2,4-DB

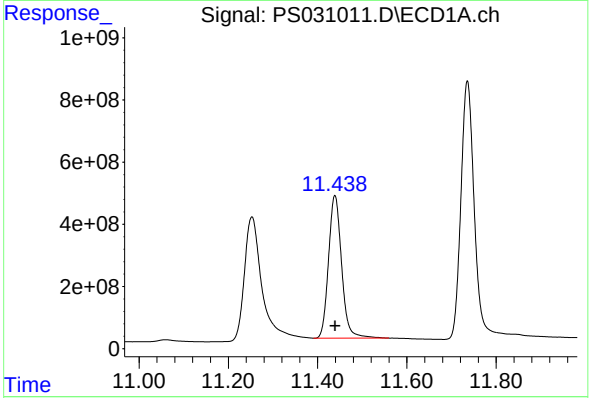
R.T.: 10.224 min
Delta R.T.: -0.001 min
Response: 1553895938
Conc: 715.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



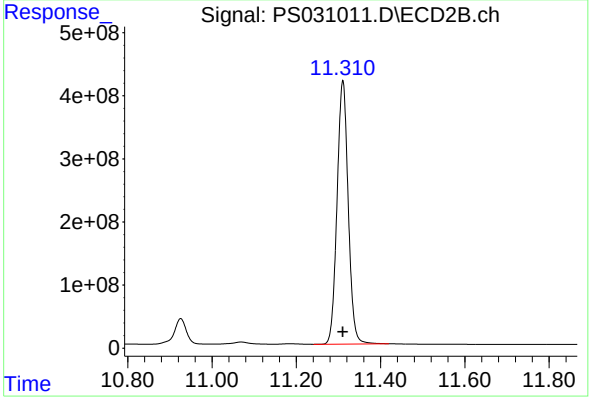
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 805063318
Conc: 680.42 ng/ml



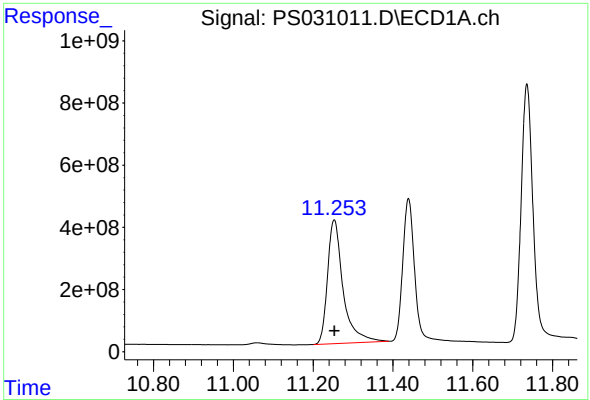
#14 DINOSEB

R.T.: 11.439 min
Delta R.T.: 0.000 min
Response: 9337559202
Conc: 708.25 ng/ml



#14 DINOSEB

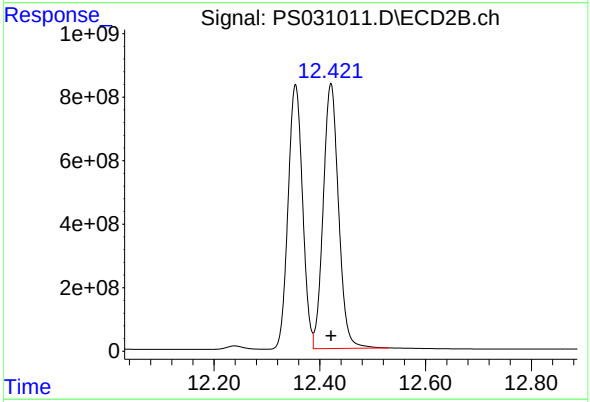
R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 7679188292
Conc: 676.49 ng/ml



#15 Picloram

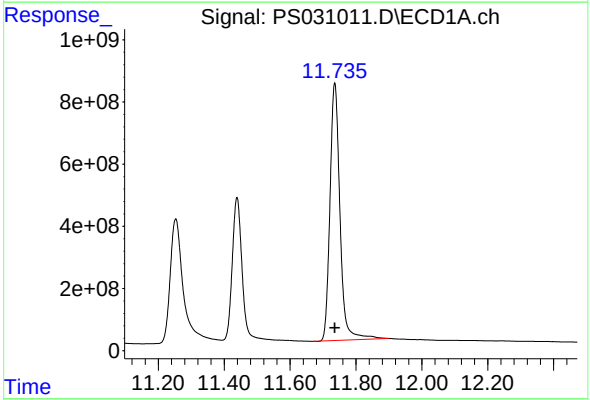
R.T.: 11.253 min
Delta R.T.: 0.000 min
Response: 10790812756
Conc: 740.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



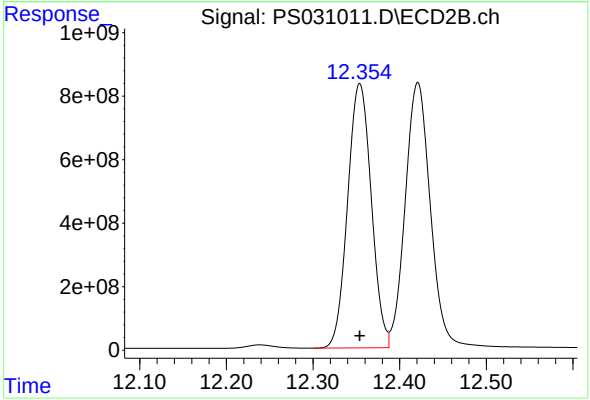
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 16807258063
Conc: 715.79 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 17450415405
Conc: 729.01 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 15781896033
Conc: 699.80 ng/ml

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Instrument ID: ECD_S **Calibration Date(s):** 07/21/2025 07/21/2025

Calibration Times: 15:02 16:39

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

LAB FILE ID: RT 200 = PS031157.D RT 500 = PS031158.D

RT 750 = PS031159.D RT 1000 = PS031160.D RT 1500 = PS031161.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.64	9.64	9.64	9.64	9.64	9.64	9.54	9.74
2,4,5-TP(Silvex)	9.34	9.34	9.34	9.34	9.34	9.34	9.24	9.44
2,4-D	8.46	8.46	8.46	8.46	8.46	8.46	8.36	8.56
2,4-DB	10.22	10.21	10.21	10.21	10.21	10.21	10.11	10.31
2,4-DCAA	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Dalapon	2.69	2.69	2.69	2.69	2.69	2.69	2.59	2.79
DICAMBA	7.51	7.51	7.51	7.51	7.51	7.51	7.41	7.61
DICHLORPROP	8.23	8.23	8.22	8.23	8.23	8.23	8.13	8.33
Dinoseb	11.43	11.43	11.43	11.43	11.43	11.43	11.33	11.53

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

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

LAB FILE ID: RT 200 = PS031157.D RT 500 = PS031158.D
RT 750 = PS031159.D RT 1000 = PS031160.D RT 1500 = PS031161.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	9.02	9.03	9.02	9.03	8.93	9.13
2,4-DB	10.93	10.93	10.92	10.92	10.92	10.92	10.82	11.02
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Dalapon	2.71	2.71	2.70	2.70	2.70	2.70	2.60	2.80
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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

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

LAB FILE ID: CF 200 = PS031157.D CF 500 = PS031158.D
CF 750 = PS031159.D CF 1000 = PS031160.D CF 1500 = PS031161.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	20532900000	20162500000	19508500000	19005500000	18429600000	19527800000	4
2,4,5-TP(Silvex)	24592600000	22780000000	21638700000	20857200000	19899400000	21953600000	8
2,4-D	4193860000	3820730000	3654460000	3552490000	3453030000	3734920000	8
2,4-DB	3092220000	3013710000	2962620000	2917590000	2963280000	2989880000	2
2,4-DCAA	5091100000	4403340000	4248720000	4081100000	3917010000	4348250000	10
Dalapon	6862740000	6503950000	6189030000	5992840000	5815960000	6272900000	7
DICAMBA	18208800000	17013900000	16269800000	15779700000	15212700000	16497000000	7
DICHLORPROP	4530150000	3910790000	3683610000	3547980000	3437240000	3821960000	11
Dinoseb	17074300000	16048500000	15417900000	14915000000	14391700000	15569500000	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2555
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

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

LAB FILE ID: CF 200 = PS031157.D CF 500 = PS031158.D
CF 750 = PS031159.D CF 1000 = PS031160.D CF 1500 = PS031161.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	15340700000	14680700000	14156500000	13742300000	13177100000	14219500000	6
2,4,5-TP(Silvex)	16137400000	15454900000	14840900000	14348100000	13689700000	14894200000	6
2,4-D	1930260000	1742600000	1656200000	1604210000	1558320000	1698320000	9
2,4-DB	1266920000	1201400000	1157190000	1125300000	1101740000	1170510000	6
2,4-DCAA	1147310000	1039810000	988394000	963101000	936229000	1014970000	8
Dalapon	3131510000	2904460000	2785840000	2714000000	2647890000	2836740000	7
DICAMBA	6761740000	6566980000	6416950000	6314030000	6207160000	6453370000	3
DICHLORPROP	1744690000	1552010000	1473370000	1426740000	1377500000	1514860000	9
Dinoseb	12024100000	11547000000	11245800000	10997800000	10695800000	11302100000	5

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031157.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:02
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: Jul 22 03:09:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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	7.326	7.768	1018.2E6	229.5E6	239.653	232.155
	Target Compounds						
1) T	Dalapon	2.687	2.705	1249.0E6	569.9E6	201.812	204.583
2) T	3,5-DICHL...	6.488	6.715	1193.9E6	320.5E6	222.298	215.115
3) T	4-Nitroph...	7.126	7.303	335.6E6	347.8E6	209.026	194.908
5) T	DICAMBA	7.514	7.968	3423.2E6	1271.2E6	210.405	198.102
6) T	MCPP	7.692	8.063	154.0E6	34811617	14.961	16.279
7) T	MCPA	7.841	8.311	215.4E6	57174138	17.126	18.096
8) T	DICHLORPROP	8.226	8.689	851.7E6	328.0E6	231.204	222.621
9) T	2,4-D	8.459	9.027	788.4E6	362.9E6	215.749	219.109
10) T	Pentachlo...	8.764	9.547	12562.1E6	8086.5E6	219.208	202.357
11) T	2,4,5-TP ...	9.343	9.930	4672.6E6	3066.1E6	215.937	206.598
12) T	2,4,5-T	9.638	10.358	3901.2E6	2914.7E6	199.977	205.894
13) T	2,4-DB	10.215	10.925	587.5E6	240.7E6	198.311	208.016
14) T	DINOSEB	11.428	11.308	3210.0E6	2260.5E6	208.197	201.011
15) T	Picloram	11.242	12.422	3638.6E6	4580.3E6	180.740	180.371
16) T	DCPA	11.725	12.352	6177.1E6	4718.4E6	218.100	203.744

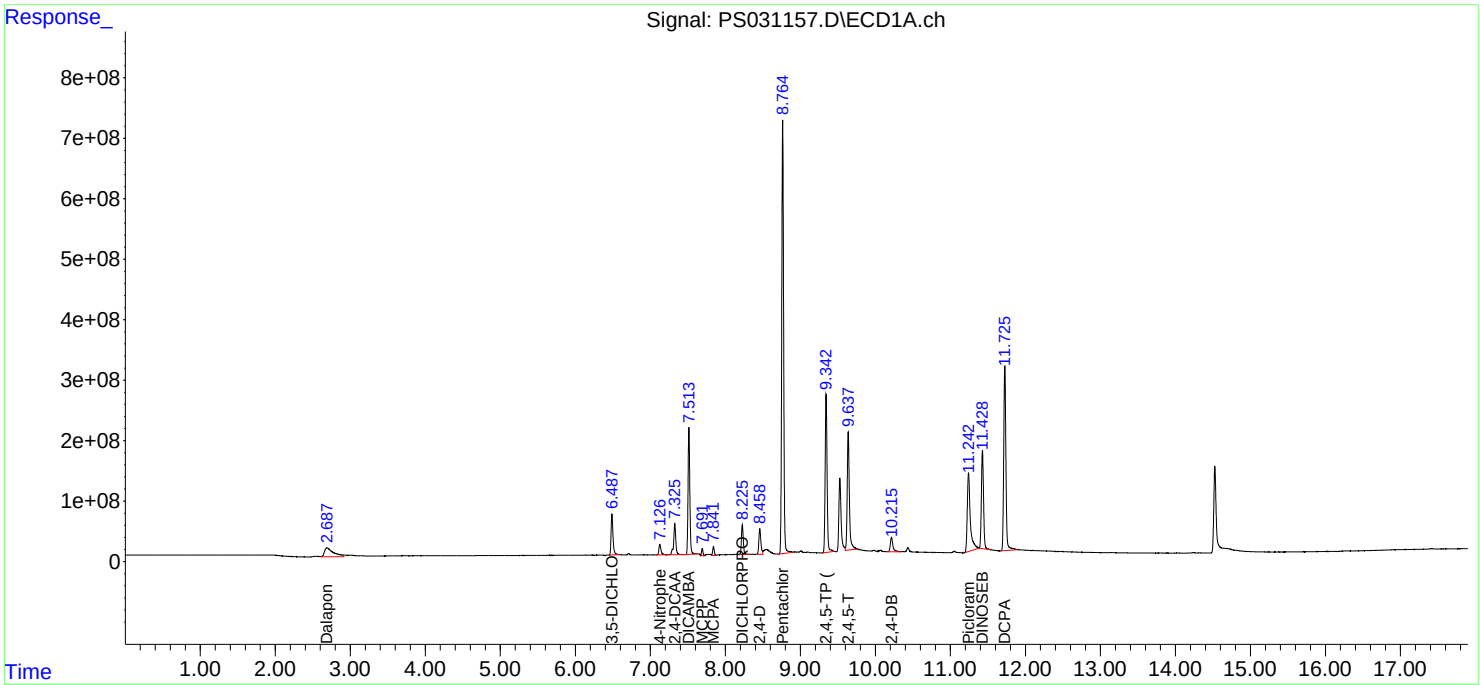
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

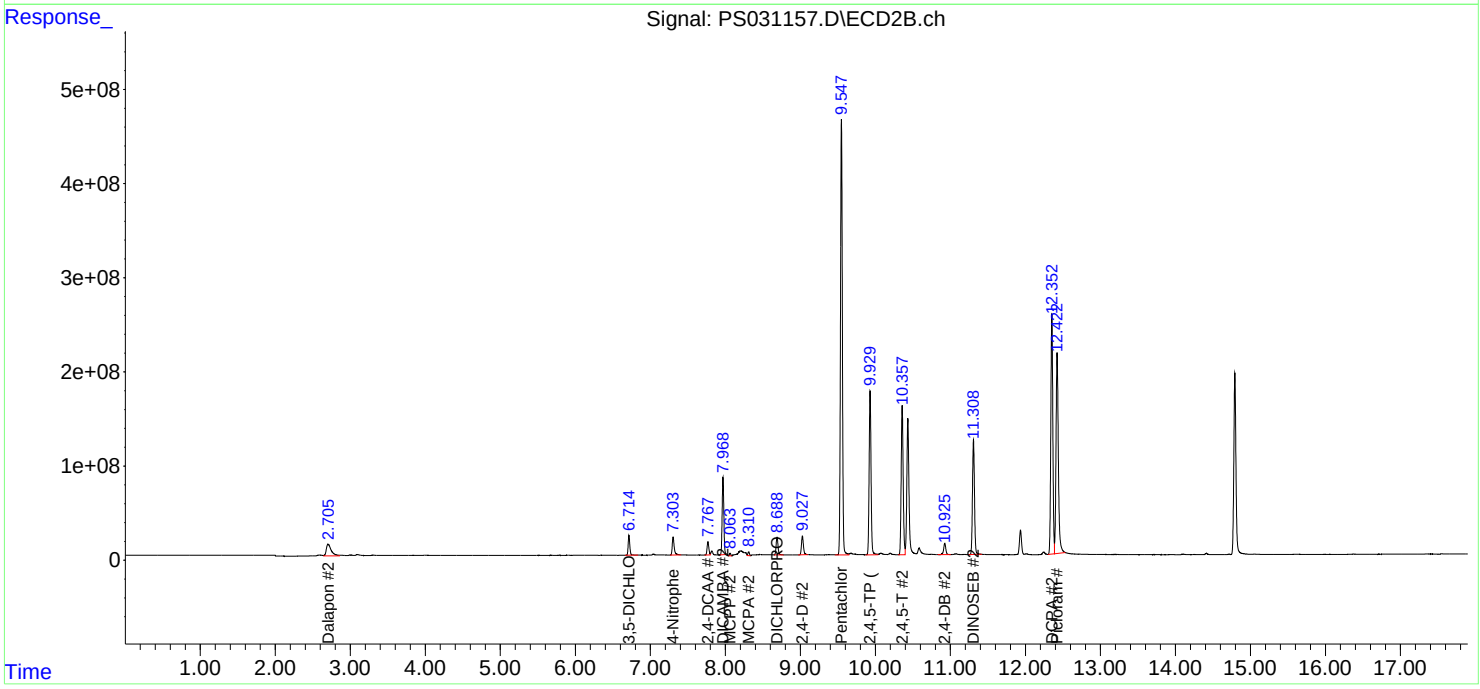
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031157.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:02
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

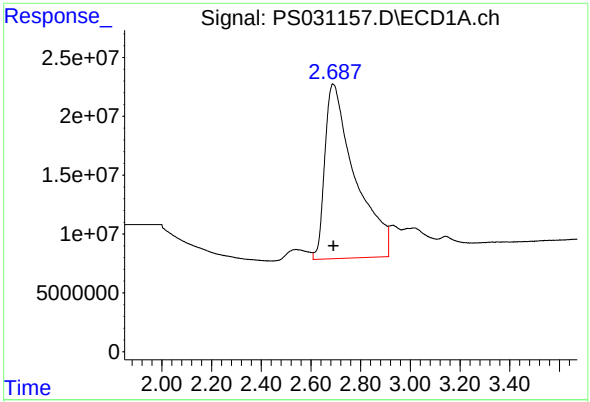
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:09:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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



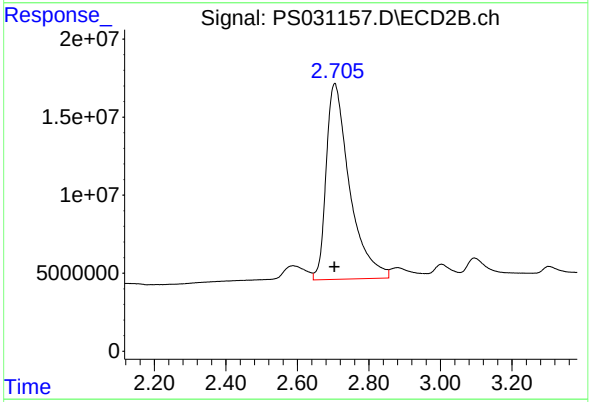




#1 Dalapon

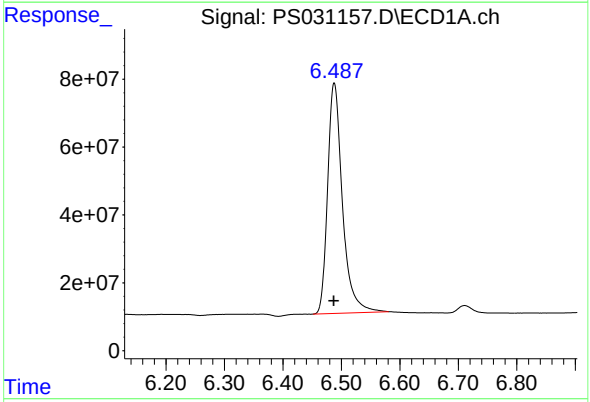
R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 1249018178
Conc: 201.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



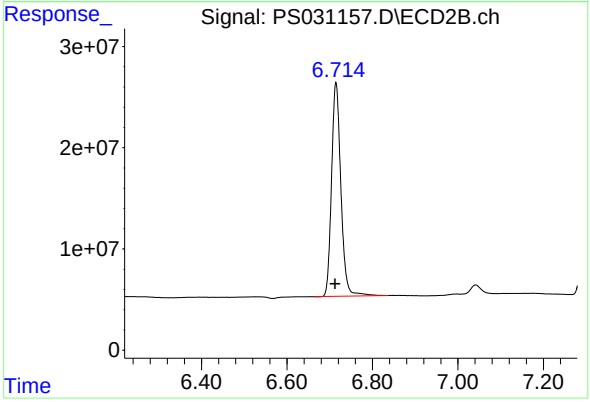
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: 0.001 min
Response: 569934475
Conc: 204.58 ng/ml



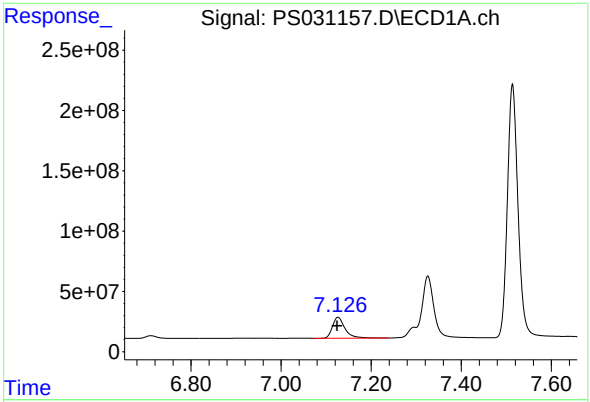
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.488 min
Delta R.T.: 0.000 min
Response: 1193926937
Conc: 222.30 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

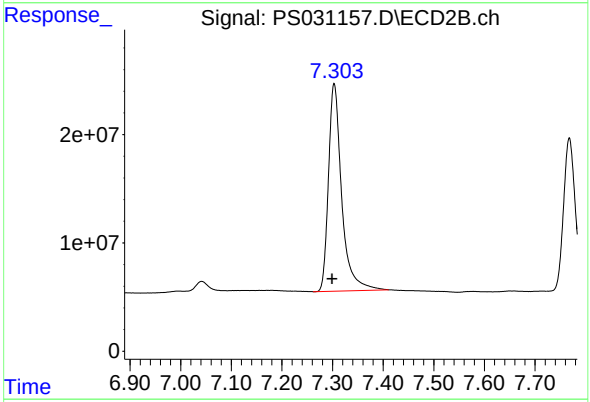
R.T.: 6.715 min
Delta R.T.: 0.002 min
Response: 320502490
Conc: 215.12 ng/ml



#3 4-Nitrophenol

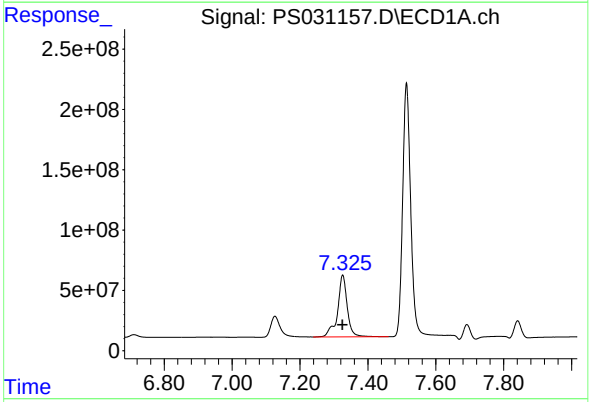
R.T.: 7.126 min
Delta R.T.: 0.002 min
Response: 335551168
Conc: 209.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



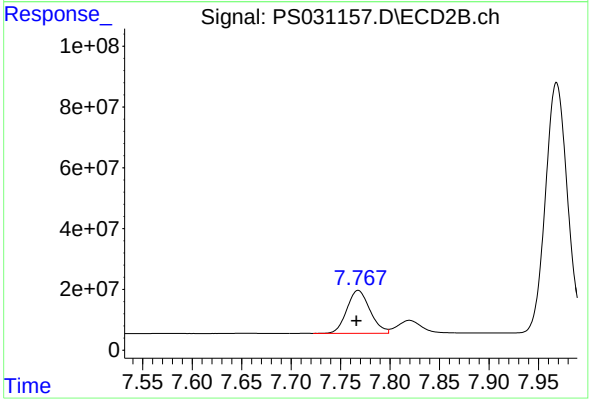
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: 0.004 min
Response: 347810130
Conc: 194.91 ng/ml



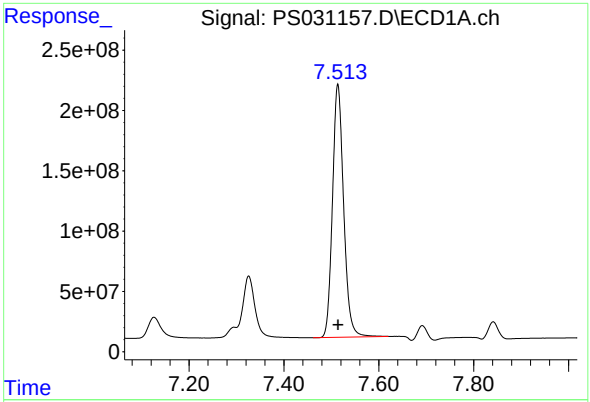
#4 2,4-DCAA

R.T.: 7.326 min
Delta R.T.: 0.001 min
Response: 1018219226
Conc: 239.65 ng/ml



#4 2,4-DCAA

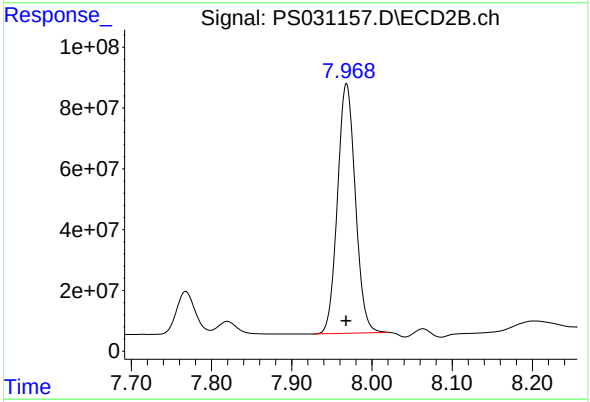
R.T.: 7.768 min
Delta R.T.: 0.002 min
Response: 229461022
Conc: 232.16 ng/ml



#5 DICAMBA

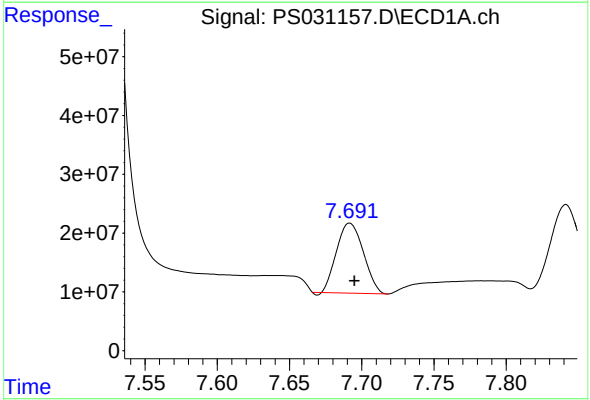
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 3423245167
Conc: 210.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



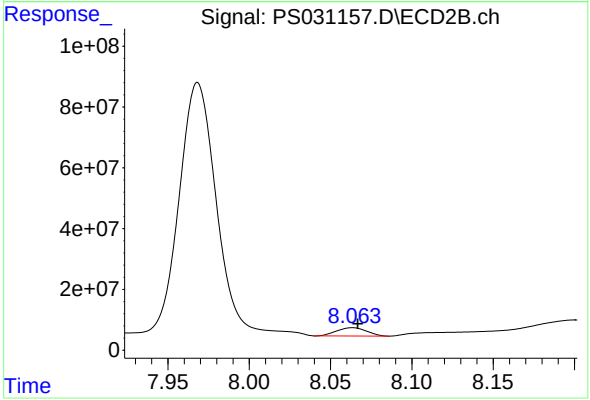
#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 1271207131
Conc: 198.10 ng/ml



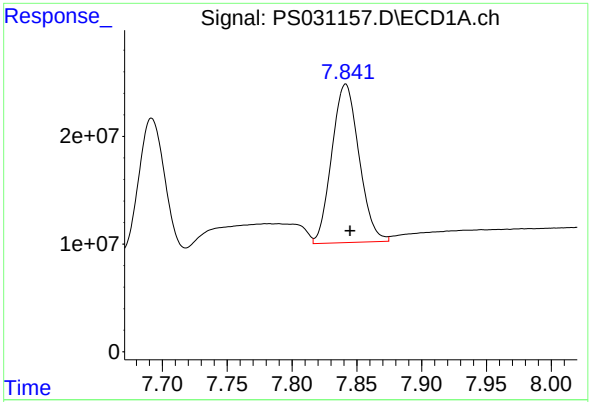
#6 MCPP

R.T.: 7.692 min
Delta R.T.: -0.003 min
Response: 154001096
Conc: 14.96 ug/ml



#6 MCPP

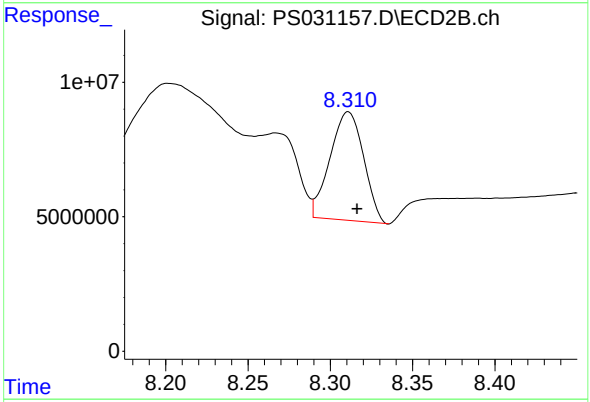
R.T.: 8.063 min
Delta R.T.: -0.003 min
Response: 34811617
Conc: 16.28 ug/ml



#7 MCPA

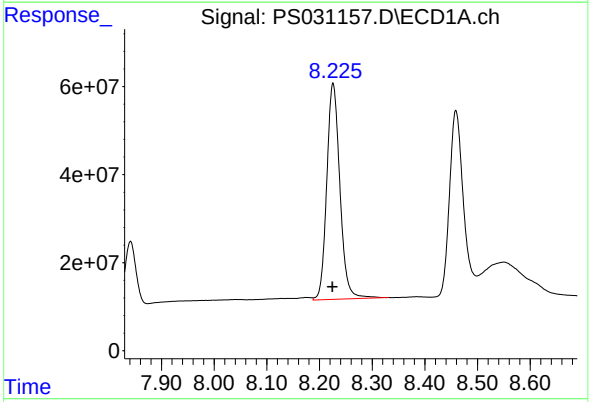
R.T.: 7.841 min
Delta R.T.: -0.003 min
Response: 215377008
Conc: 17.13 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



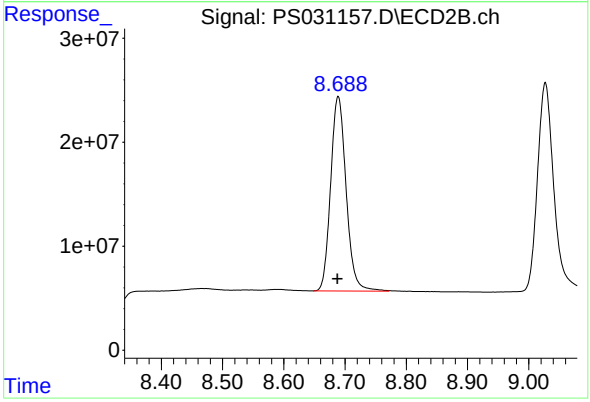
#7 MCPA

R.T.: 8.311 min
Delta R.T.: -0.005 min
Response: 57174138
Conc: 18.10 ug/ml



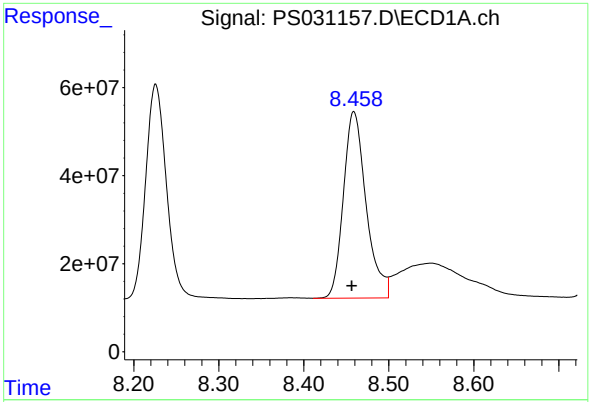
#8 DICHLORPROP

R.T.: 8.226 min
Delta R.T.: 0.001 min
Response: 851667977
Conc: 231.20 ng/ml



#8 DICHLORPROP

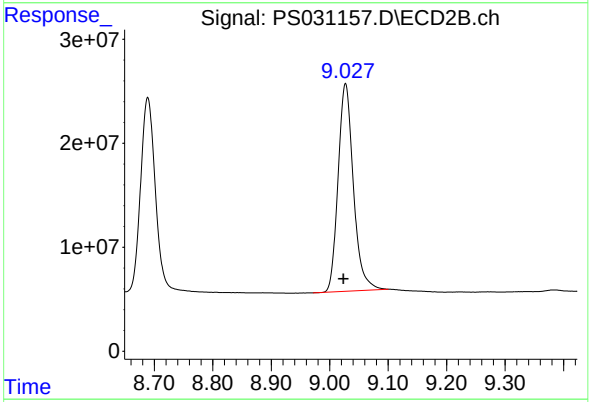
R.T.: 8.689 min
Delta R.T.: 0.001 min
Response: 328001670
Conc: 222.62 ng/ml



#9 2,4-D

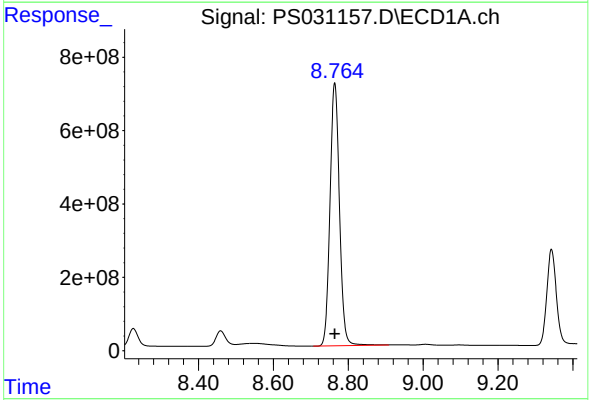
R.T.: 8.459 min
Delta R.T.: 0.003 min
Response: 788445719
Conc: 215.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



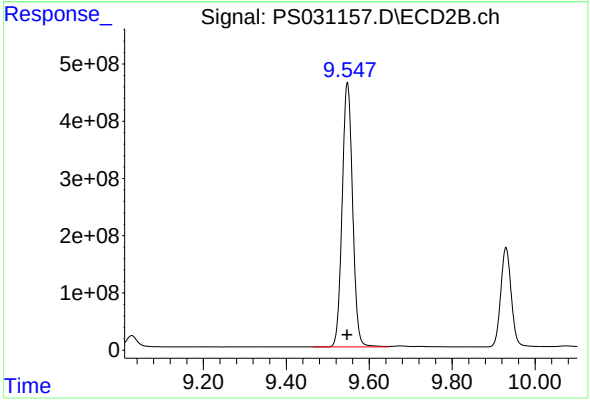
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.003 min
Response: 362888581
Conc: 219.11 ng/ml



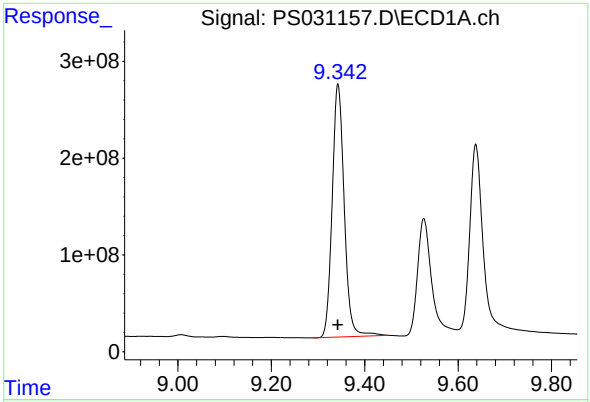
#10 Pentachlorophenol

R.T.: 8.764 min
Delta R.T.: 0.000 min
Response: 12562110249
Conc: 219.21 ng/ml



#10 Pentachlorophenol

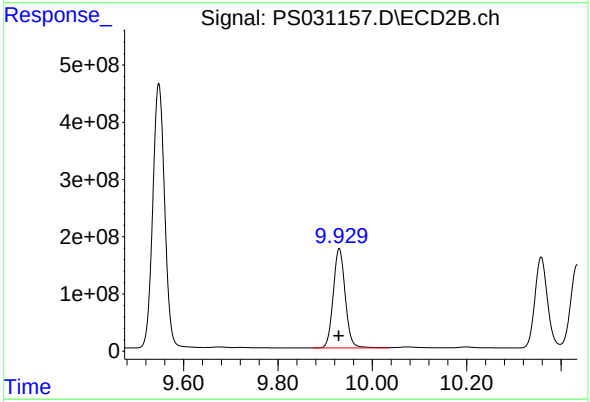
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 8086509060
Conc: 202.36 ng/ml



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

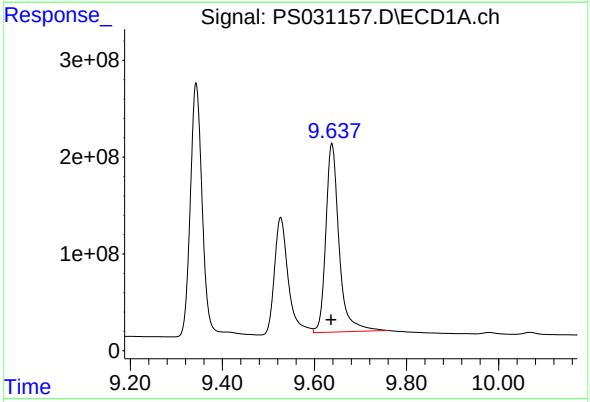
R.T.: 9.343 min
Delta R.T.: 0.001 min
Response: 4672594463
Conc: 215.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



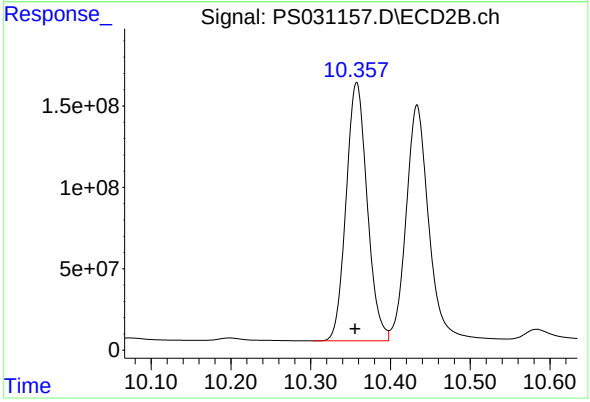
#11 2,4,5-TP (SILVEX)

R.T.: 9.930 min
Delta R.T.: 0.001 min
Response: 3066097967
Conc: 206.60 ng/ml



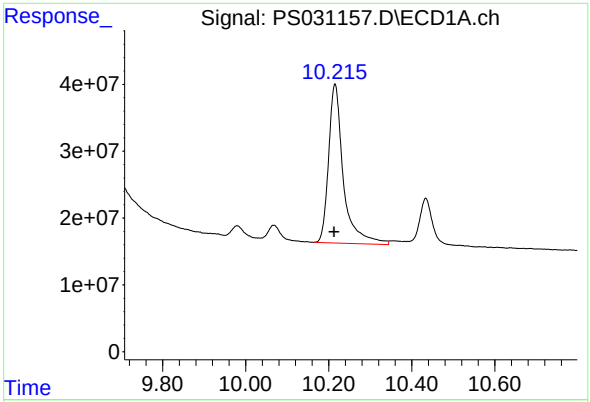
#12 2,4,5-T

R.T.: 9.638 min
Delta R.T.: 0.002 min
Response: 3901247922
Conc: 199.98 ng/ml



#12 2,4,5-T

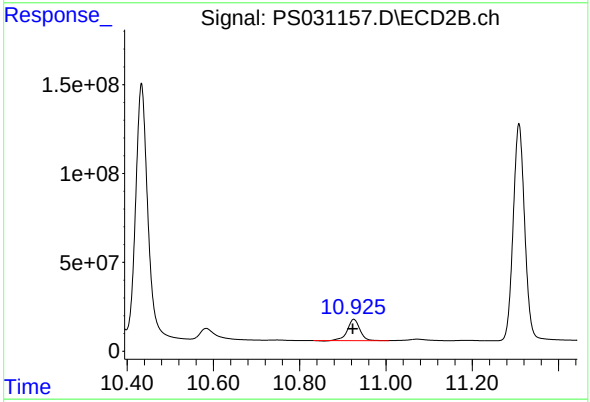
R.T.: 10.358 min
Delta R.T.: 0.002 min
Response: 2914739433
Conc: 205.89 ng/ml



#13 2,4-DB

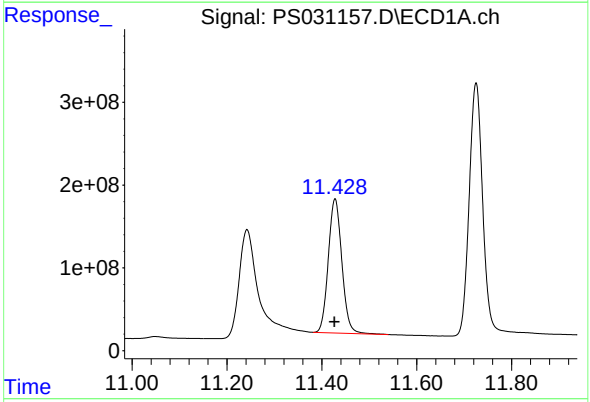
R.T.: 10.215 min
Delta R.T.: 0.002 min
Response: 587521205
Conc: 198.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



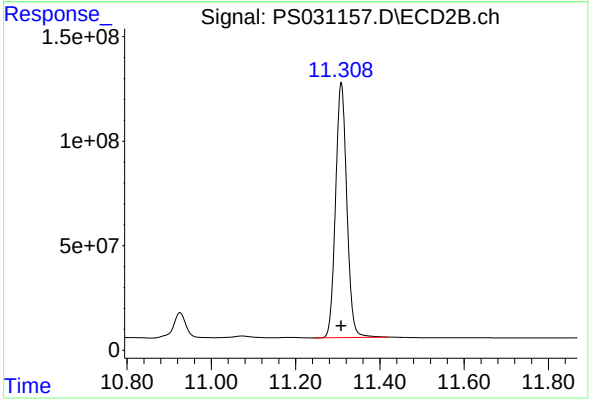
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.003 min
Response: 240715400
Conc: 208.02 ng/ml



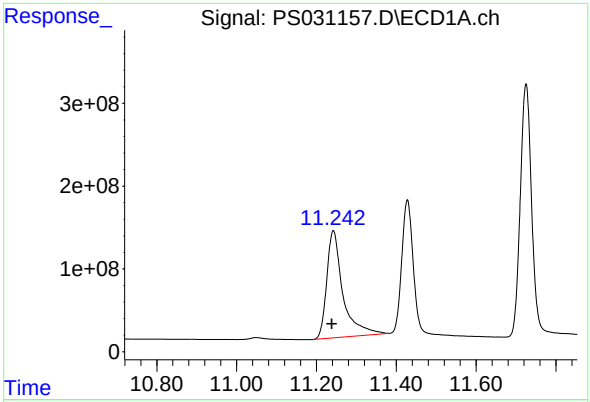
#14 DINOSEB

R.T.: 11.428 min
Delta R.T.: 0.001 min
Response: 3209965894
Conc: 208.20 ng/ml



#14 DINOSEB

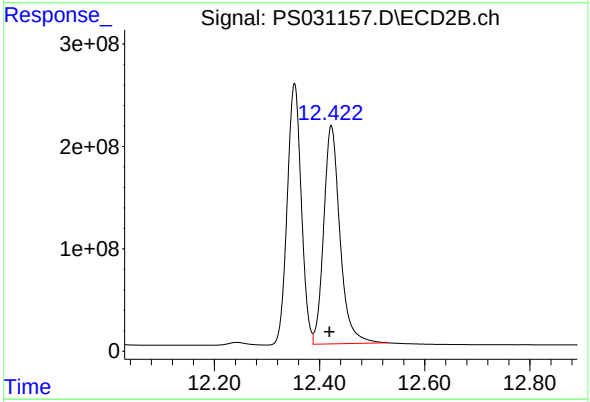
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 2260524674
Conc: 201.01 ng/ml



#15 Picloram

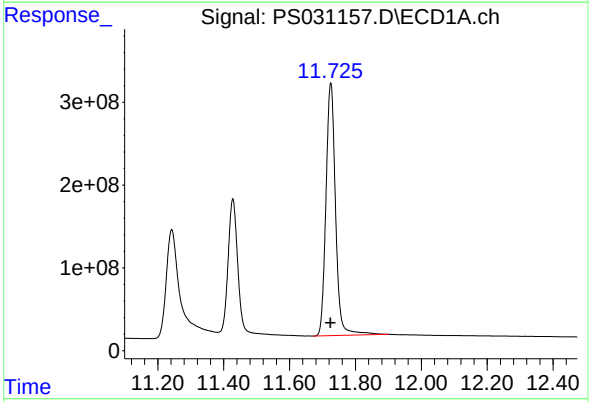
R.T.: 11.242 min
Delta R.T.: 0.004 min
Response: 3638645085
Conc: 180.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



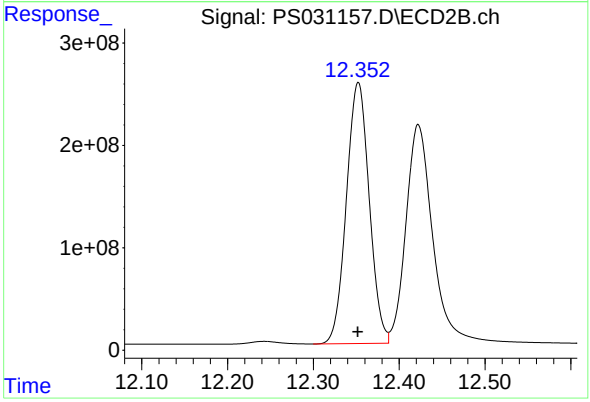
#15 Picloram

R.T.: 12.422 min
Delta R.T.: 0.004 min
Response: 4580348024
Conc: 180.37 ng/ml



#16 DCPA

R.T.: 11.725 min
Delta R.T.: 0.000 min
Response: 6177113741
Conc: 218.10 ng/ml



#16 DCPA

R.T.: 12.352 min
Delta R.T.: 0.000 min
Response: 4718414572
Conc: 203.74 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031158.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:26
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:09:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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	7.325	7.767	2201.7E6	519.9E6	518.195m	526.012
		Target Compounds						
1)	T	Dalapon	2.690	2.705	2959.3E6	1321.5E6	478.152	474.374
2)	T	3,5-DICHL...	6.487	6.714	2659.6E6	740.5E6	495.188	497.017
3)	T	4-Nitroph...	7.125	7.301	767.9E6	829.3E6	478.348	464.714
5)	T	DICAMBA	7.514	7.969	7996.5E6	3086.5E6	491.494	480.989
6)	T	MCPP	7.694	8.066	467.8E6	100.3E6	45.447	46.925
7)	T	MCPA	7.843	8.314	579.7E6	149.5E6	46.099	47.317
8)	T	DICHLORPROP	8.226	8.689	1838.1E6	729.4E6	498.986	495.087
9)	T	2,4-D	8.458	9.026	1795.7E6	819.0E6	491.384	494.516
10)	T	Pentachlo...	8.763	9.548	29107.7E6	19707.8E6	507.927	493.167
11)	T	2,4,5-TP ...	9.343	9.930	10820.5E6	7341.1E6	500.052	494.651
12)	T	2,4,5-T	9.637	10.357	9577.2E6	6973.3E6	490.924	492.588
13)	T	2,4-DB	10.214	10.925	1431.5E6	570.7E6	483.190	493.144
14)	T	DINOSEB	11.428	11.309	7542.8E6	5427.1E6	489.222	482.587
15)	T	Picloram	11.240	12.420	9521.9E6	12061.4E6	472.975	474.969
16)	T	DCPA	11.726	12.353	14463.8E6	11492.2E6	510.682	496.241

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031158.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:26
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

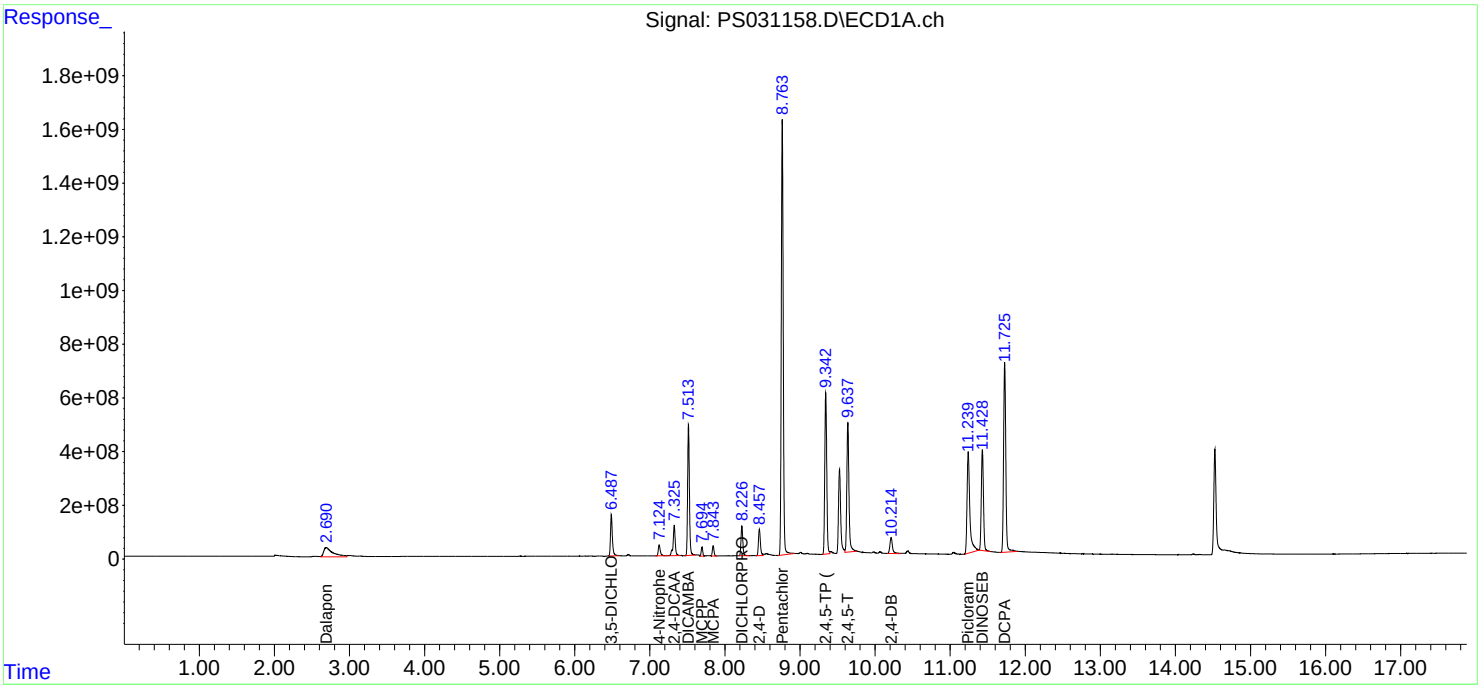
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

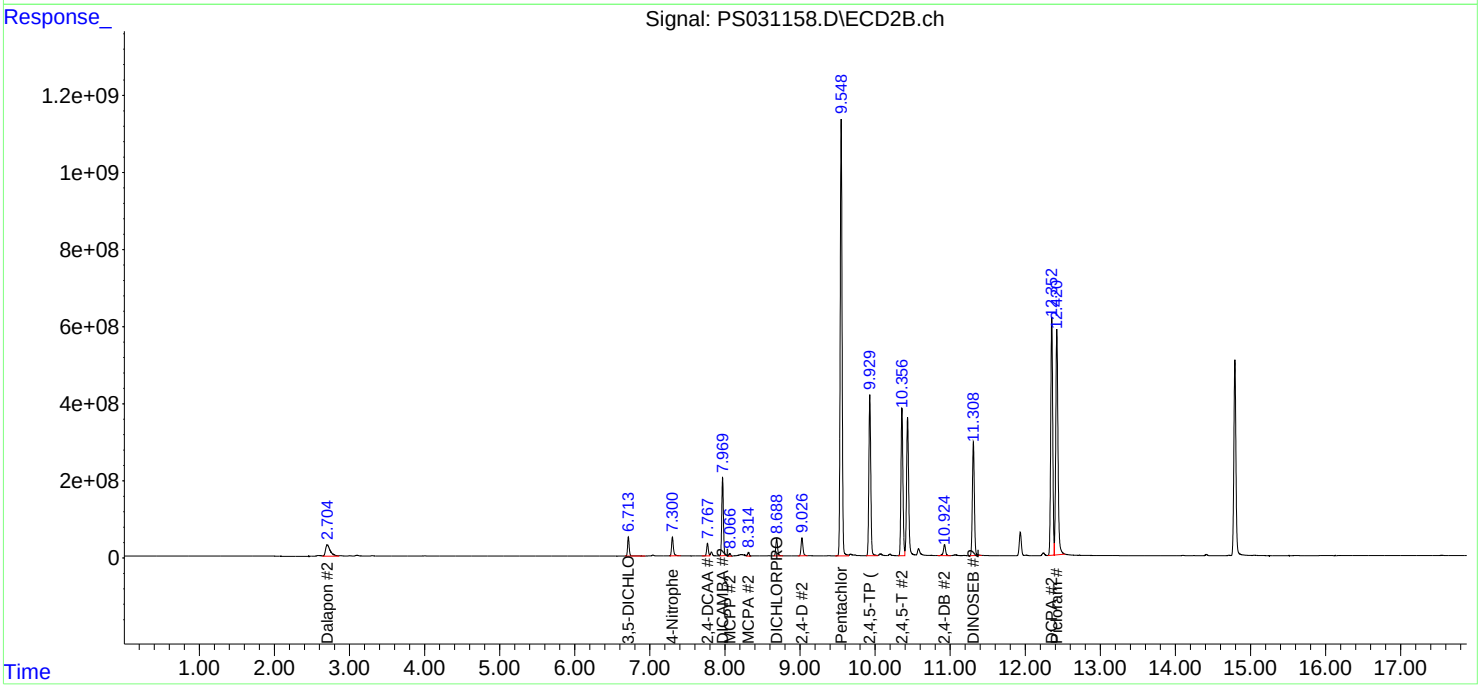
Manual Integrations APPROVED

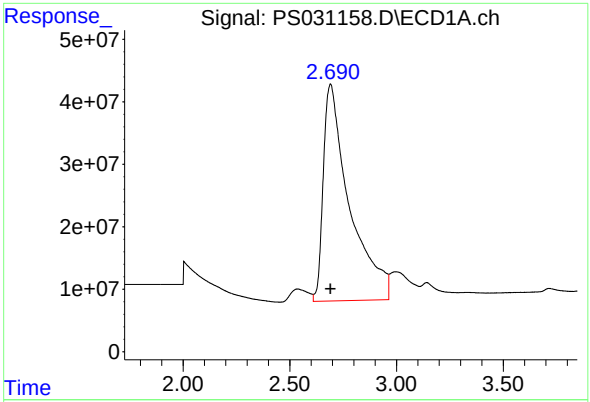
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:09:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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







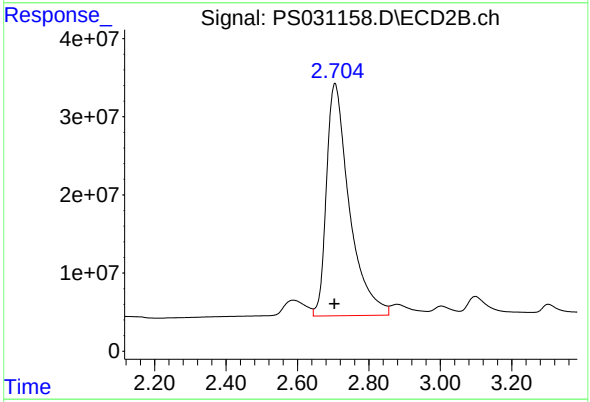
#1 Dalapon

R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 2959298028
Conc: 478.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

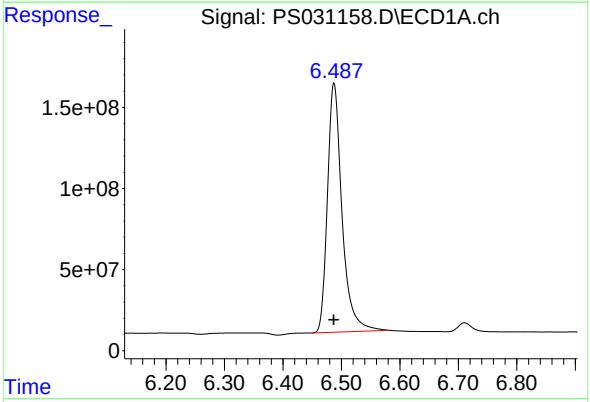
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



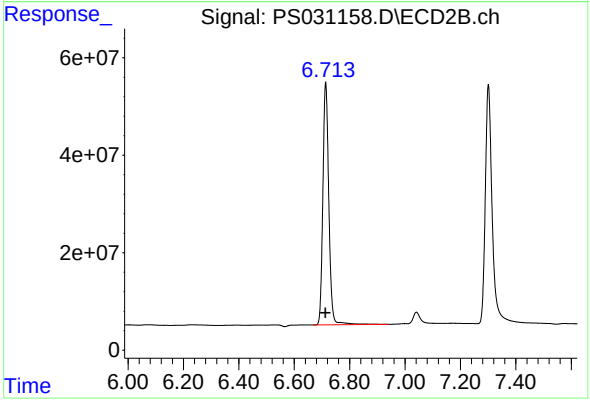
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: 0.001 min
Response: 1321530235
Conc: 474.37 ng/ml



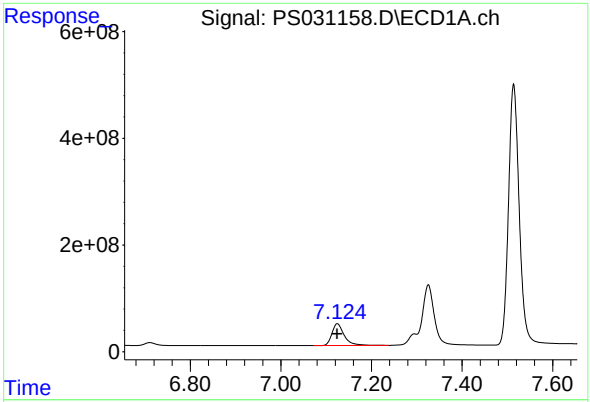
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: 0.000 min
Response: 2659579107
Conc: 495.19 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 740511149
Conc: 497.02 ng/ml



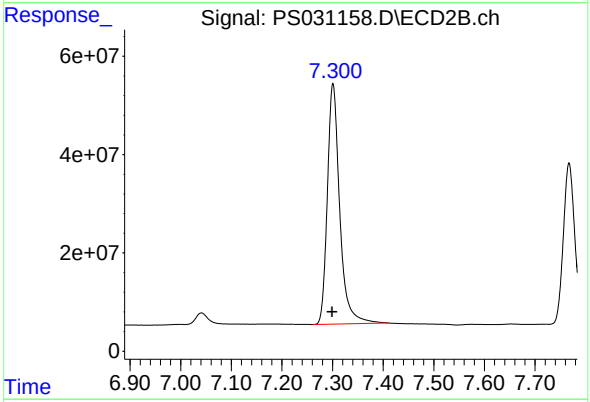
#3 4-Nitrophenol

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 767894643
Conc: 478.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

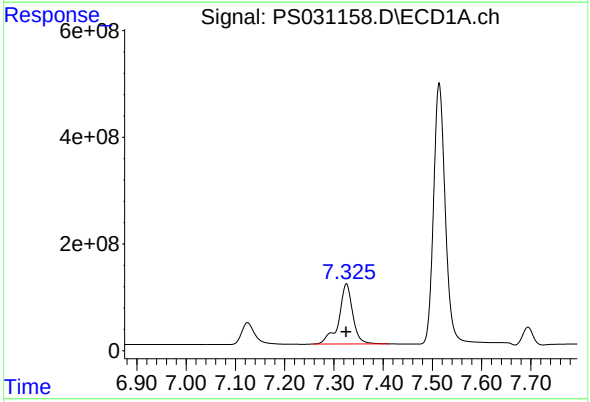
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



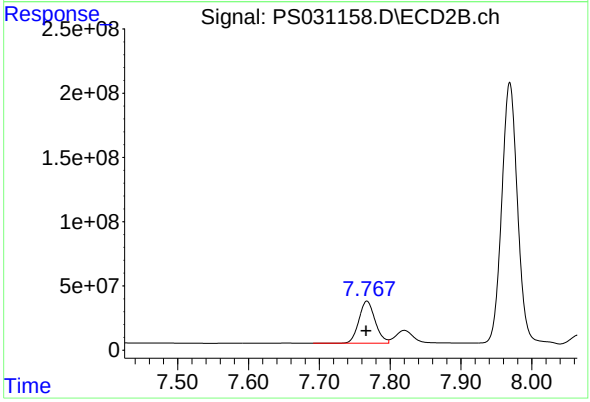
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.002 min
Response: 829273311
Conc: 464.71 ng/ml



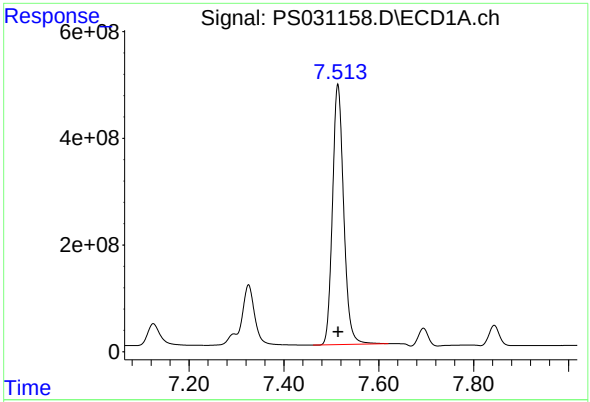
#4 2,4-DCAA

R.T.: 7.325 min
Delta R.T.: 0.000 min
Response: 2201667574
Conc: 518.20 ng/ml m



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: 0.001 min
Response: 519906660
Conc: 526.01 ng/ml



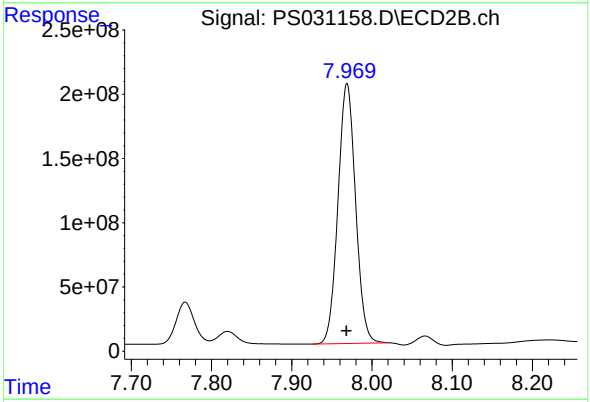
#5 DICAMBA

R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 7996510974
Conc: 491.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

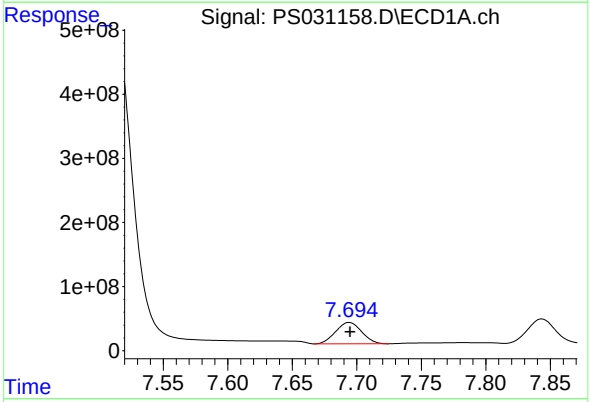
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



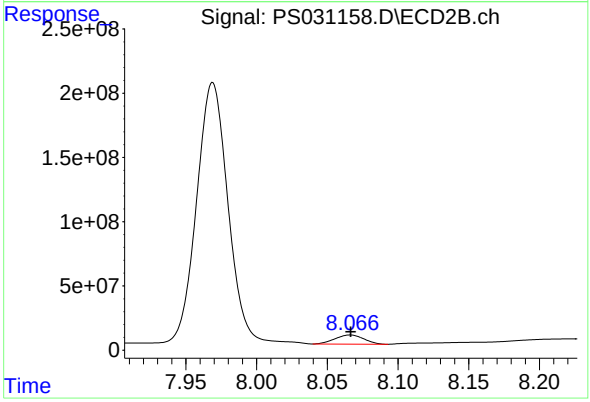
#5 DICAMBA

R.T.: 7.969 min
Delta R.T.: 0.001 min
Response: 3086481070
Conc: 480.99 ng/ml



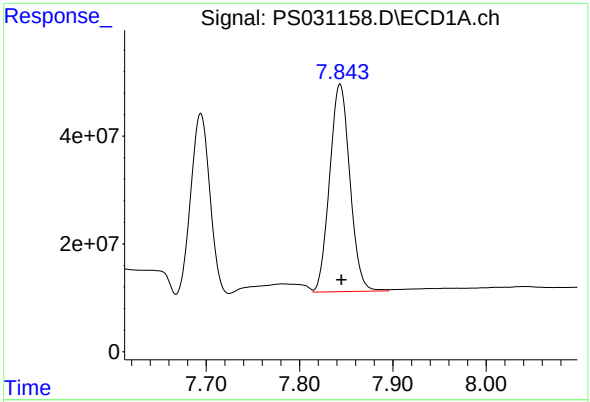
#6 MCPP

R.T.: 7.694 min
Delta R.T.: 0.000 min
Response: 467826179
Conc: 45.45 ug/ml



#6 MCPP

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 100345918
Conc: 46.92 ug/ml



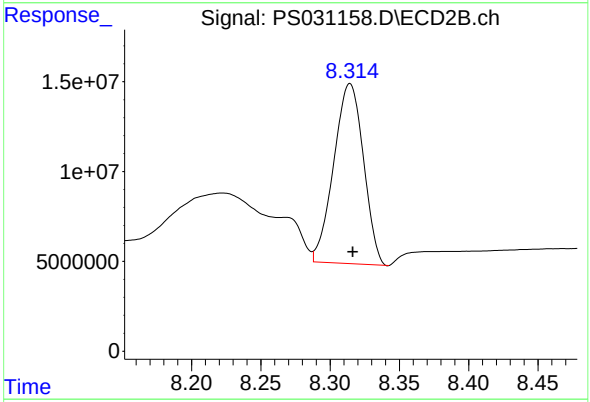
#7 MCPA

R.T.: 7.843 min
Delta R.T.: -0.001 min
Response: 579732469
Conc: 46.10 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

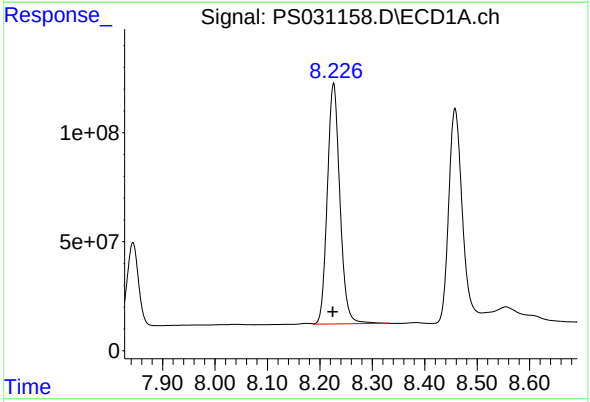
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



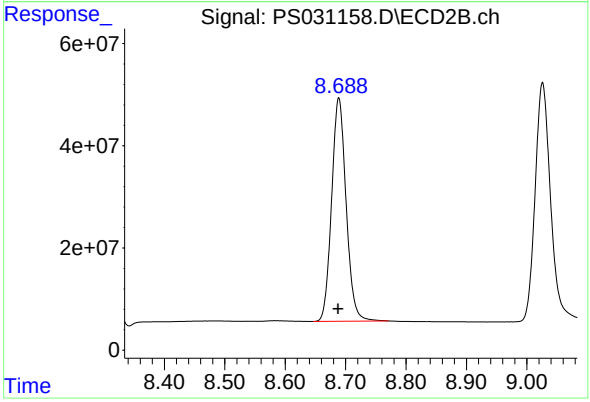
#7 MCPA

R.T.: 8.314 min
Delta R.T.: -0.002 min
Response: 149500104
Conc: 47.32 ug/ml



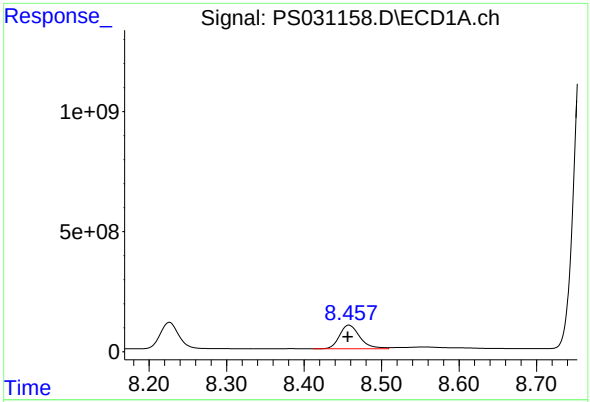
#8 DICHLORPROP

R.T.: 8.226 min
Delta R.T.: 0.002 min
Response: 1838072799
Conc: 498.99 ng/ml



#8 DICHLORPROP

R.T.: 8.689 min
Delta R.T.: 0.001 min
Response: 729443662
Conc: 495.09 ng/ml



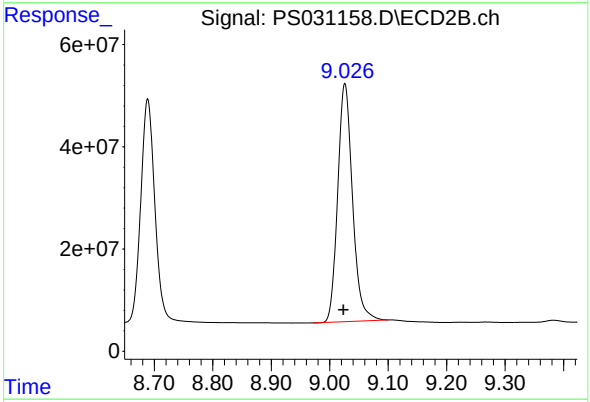
#9 2,4-D

R.T.: 8.458 min
Delta R.T.: 0.001 min
Response: 1795744990
Conc: 491.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

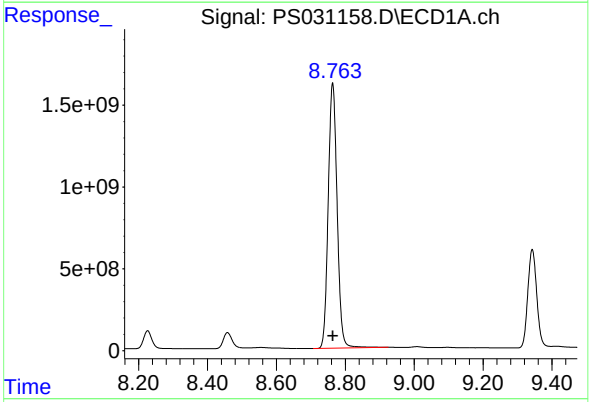
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



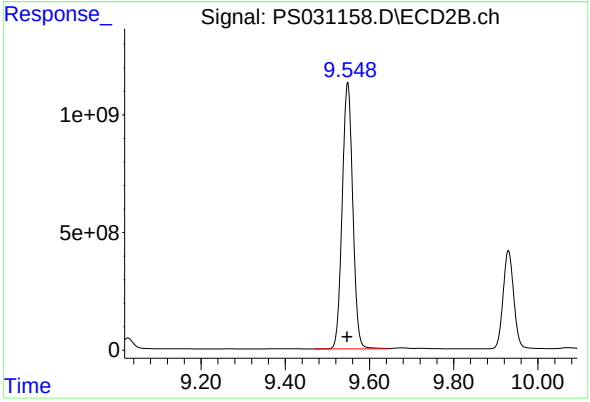
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.002 min
Response: 819019953
Conc: 494.52 ng/ml



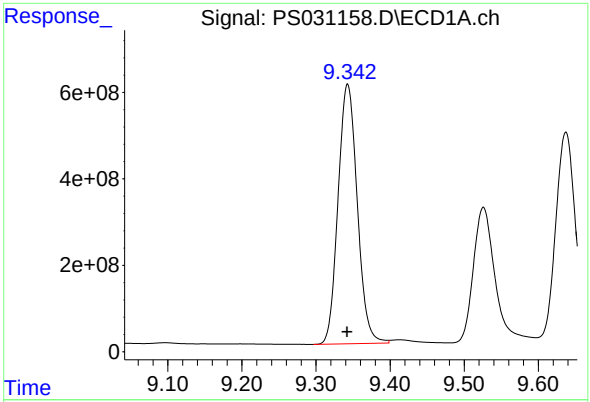
#10 Pentachlorophenol

R.T.: 8.763 min
Delta R.T.: 0.000 min
Response: 29107710379
Conc: 507.93 ng/ml



#10 Pentachlorophenol

R.T.: 9.548 min
Delta R.T.: 0.001 min
Response: 19707796449
Conc: 493.17 ng/ml



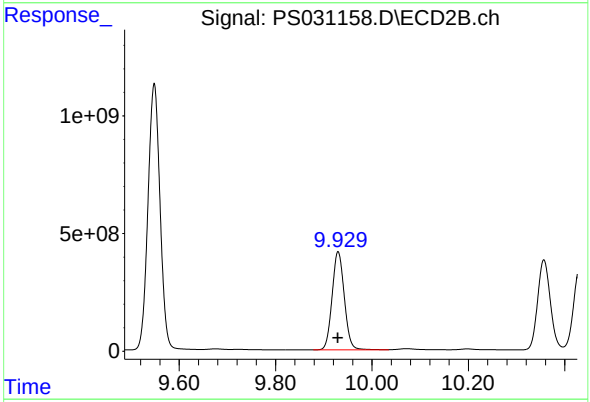
#11 2,4,5-TP (SILVEX)

R.T.: 9.343 min
Delta R.T.: 0.000 min
Response: 10820483706
Conc: 500.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

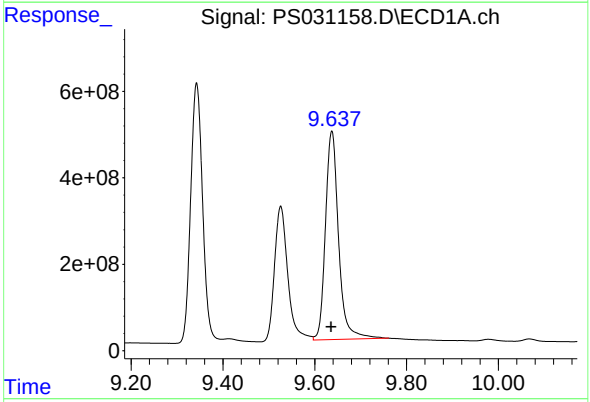
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



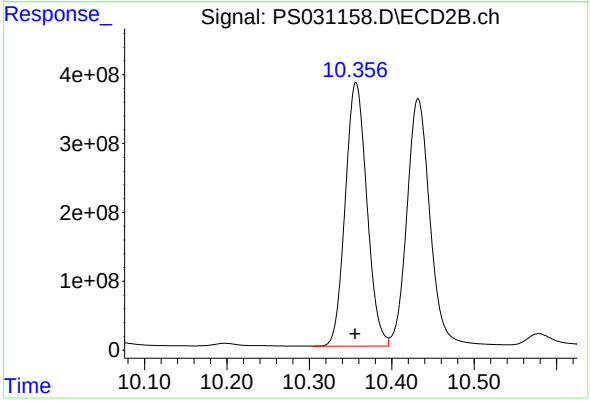
#11 2,4,5-TP (SILVEX)

R.T.: 9.930 min
Delta R.T.: 0.001 min
Response: 7341058970
Conc: 494.65 ng/ml



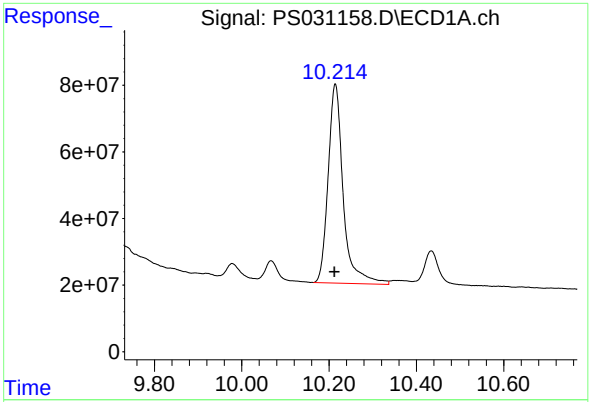
#12 2,4,5-T

R.T.: 9.637 min
Delta R.T.: 0.001 min
Response: 9577192088
Conc: 490.92 ng/ml



#12 2,4,5-T

R.T.: 10.357 min
Delta R.T.: 0.001 min
Response: 6973310939
Conc: 492.59 ng/ml



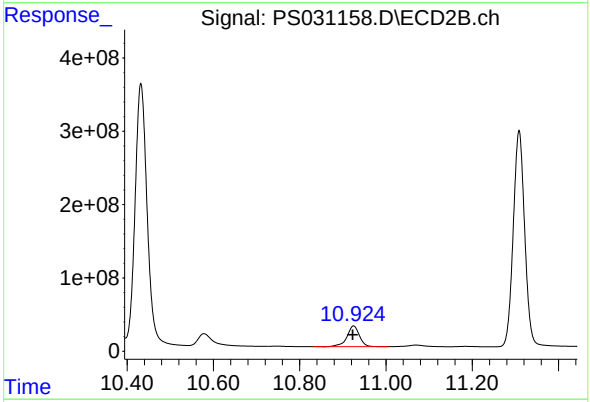
#13 2,4-DB

R.T.: 10.214 min
Delta R.T.: 0.002 min
Response: 1431511568
Conc: 483.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

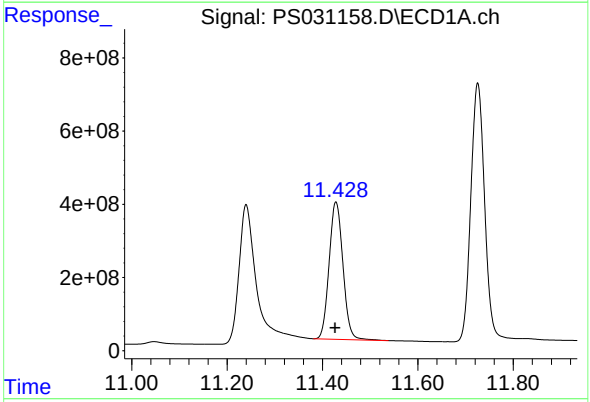
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



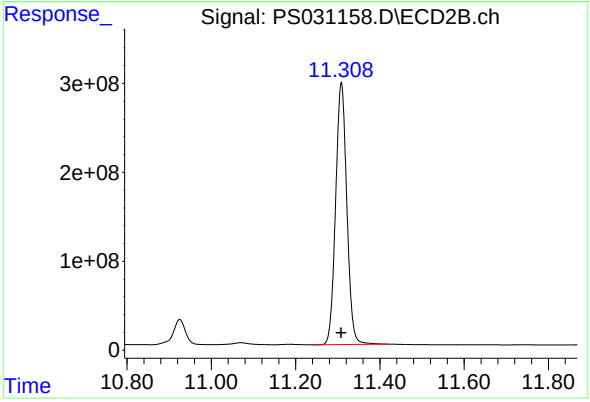
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.002 min
Response: 570663468
Conc: 493.14 ng/ml



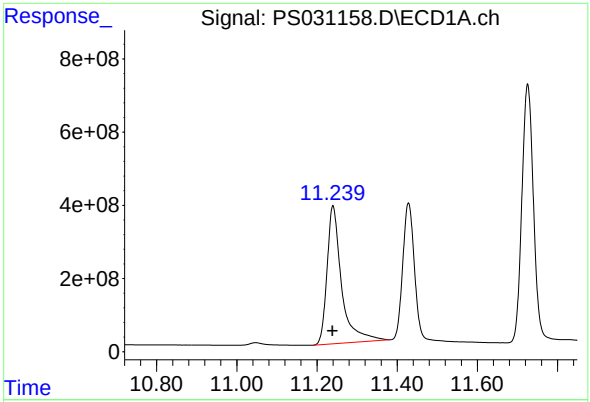
#14 DINOSEB

R.T.: 11.428 min
Delta R.T.: 0.002 min
Response: 7542802456
Conc: 489.22 ng/ml



#14 DINOSEB

R.T.: 11.309 min
Delta R.T.: 0.000 min
Response: 5427075463
Conc: 482.59 ng/ml



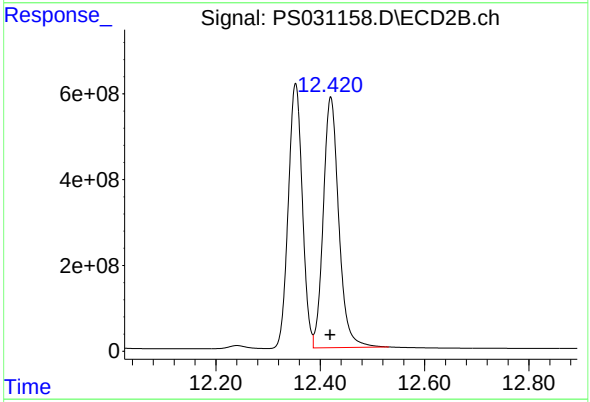
#15 Picloram

R.T.: 11.240 min
Delta R.T.: 0.001 min
Response: 9521922595
Conc: 472.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

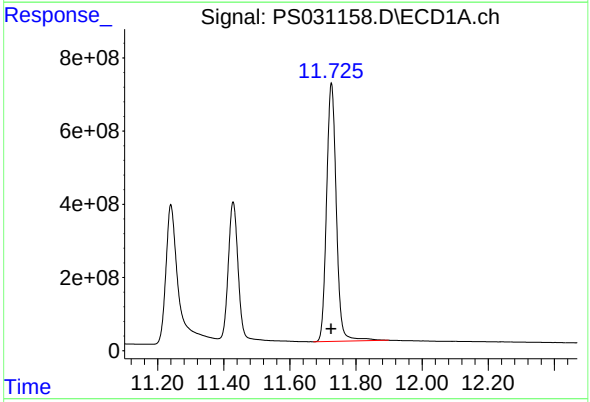
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



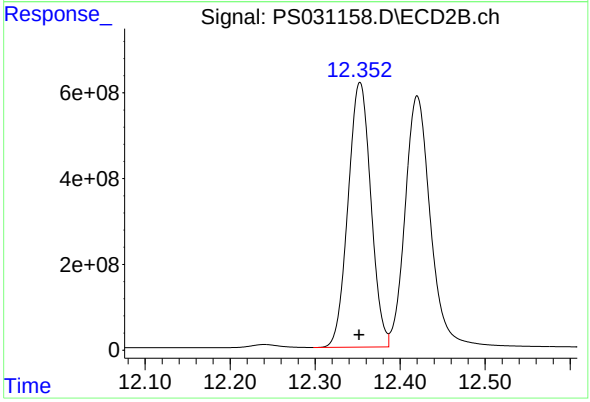
#15 Picloram

R.T.: 12.420 min
Delta R.T.: 0.002 min
Response: 12061381092
Conc: 474.97 ng/ml



#16 DCPA

R.T.: 11.726 min
Delta R.T.: 0.001 min
Response: 14463775237
Conc: 510.68 ng/ml



#16 DCPA

R.T.: 12.353 min
Delta R.T.: 0.001 min
Response: 11492194583
Conc: 496.24 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031159.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:51
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: Jul 22 03:09:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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	7.325	7.766	3186.5E6	741.3E6	750.000	750.000
	Target Compounds						
1) T	Dalapon	2.690	2.703	4224.0E6	1901.3E6	682.500	682.500
2) T	3,5-DICHL...	6.487	6.713	3746.2E6	1039.2E6	697.500	697.500
3) T	4-Nitroph...	7.124	7.299	1095.6E6	1217.9E6	682.500	682.500
5) T	DICAMBA	7.514	7.968	11470.2E6	4523.9E6	705.000	705.000
6) T	MCPP	7.695	8.067	725.7E6	150.8E6	70.500	70.500
7) T	MCPA	7.845	8.316	877.2E6	220.4E6	69.750	69.750
8) T	DICHLORPROP	8.224	8.688	2596.9E6	1038.7E6	705.000	705.000
9) T	2,4-D	8.456	9.024	2576.4E6	1167.6E6	705.000	705.000
10) T	Pentachlo...	8.764	9.547	40831.1E6	28472.7E6	712.500	712.500
11) T	2,4,5-TP ...	9.342	9.929	15417.6E6	10574.1E6	712.500	712.500
12) T	2,4,5-T	9.636	10.356	13899.8E6	10086.5E6	712.500	712.500
13) T	2,4-DB	10.213	10.923	2110.9E6	824.5E6	712.500	712.500
14) T	DINOSEB	11.427	11.308	10869.7E6	7928.3E6	705.000	705.000
15) T	Picloram	11.239	12.419	14344.0E6	18093.3E6	712.500	712.500
16) T	DCPA	11.724	12.352	20392.2E6	16674.1E6	720.000	720.000

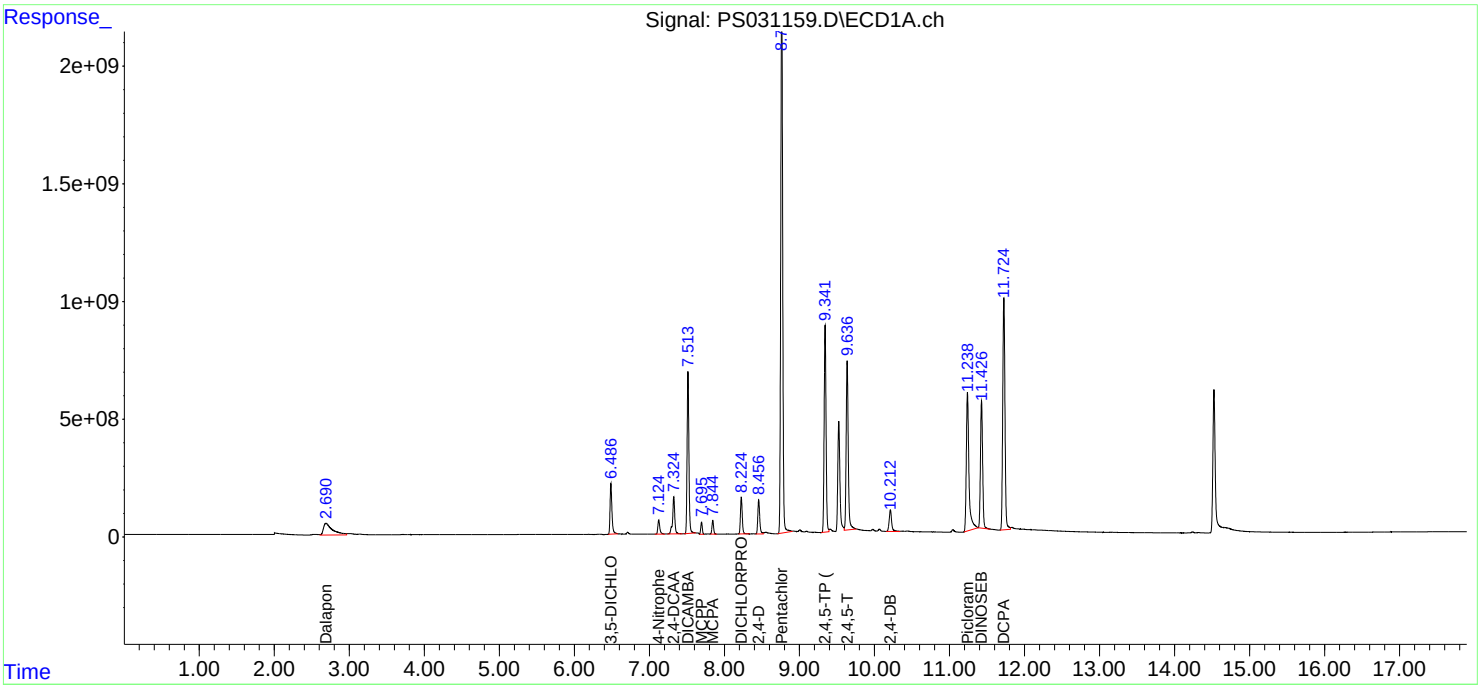
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

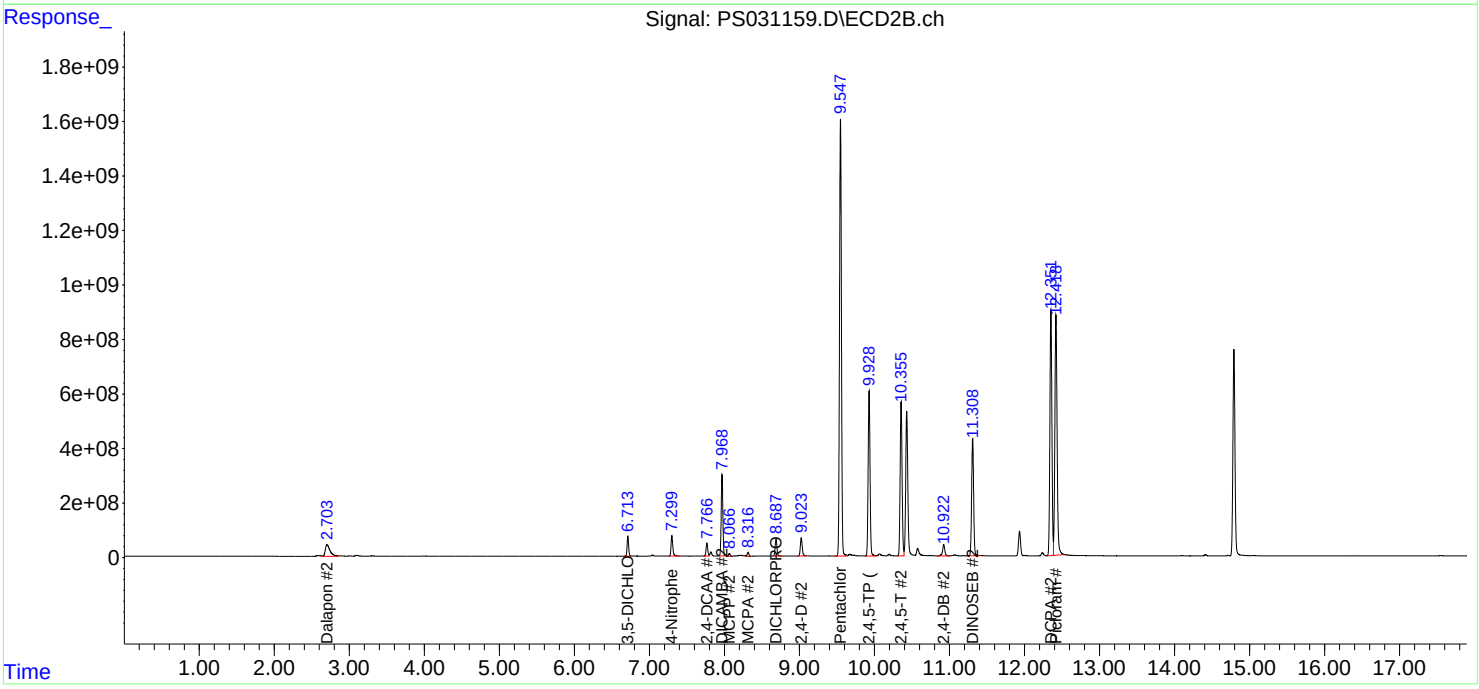
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031159.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:51
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

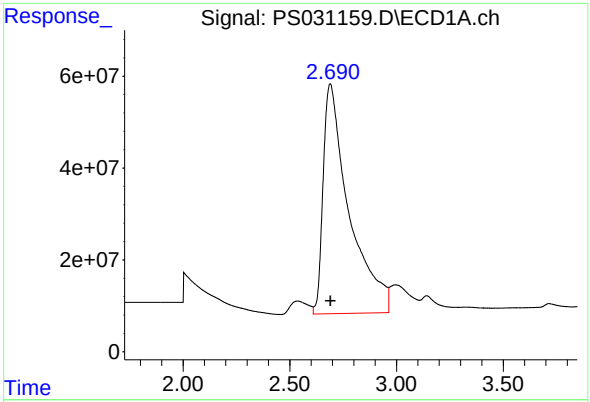
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:09:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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



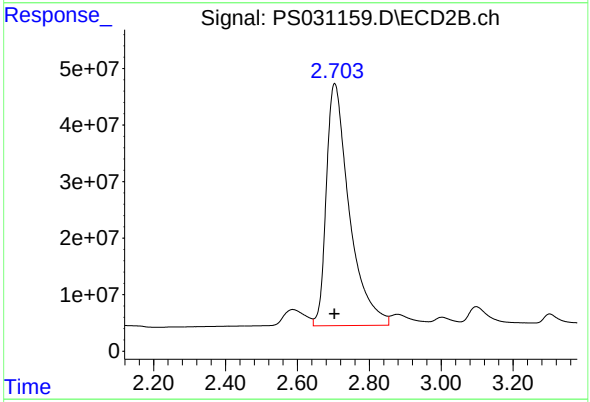




#1 Dalapon

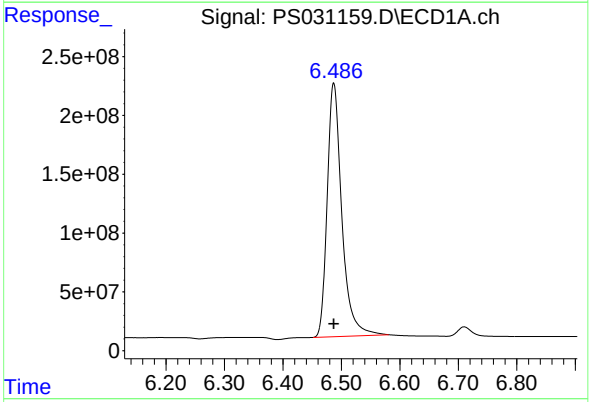
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 4224012852
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



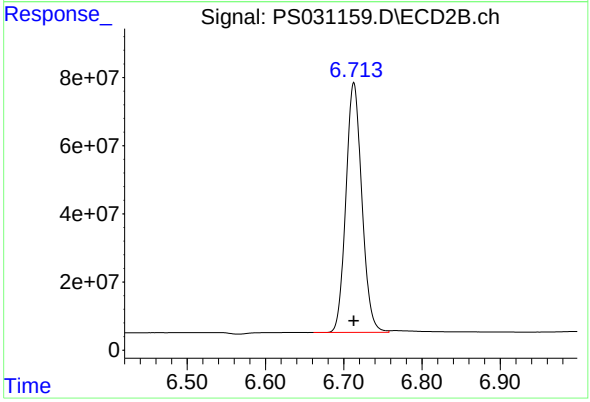
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1901336500
Conc: 682.50 ng/ml



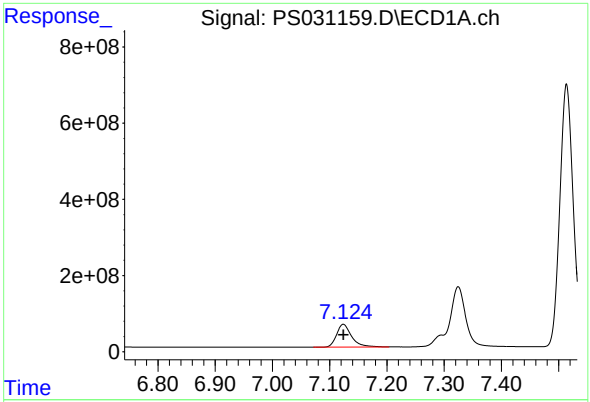
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: 0.000 min
Response: 3746167556
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

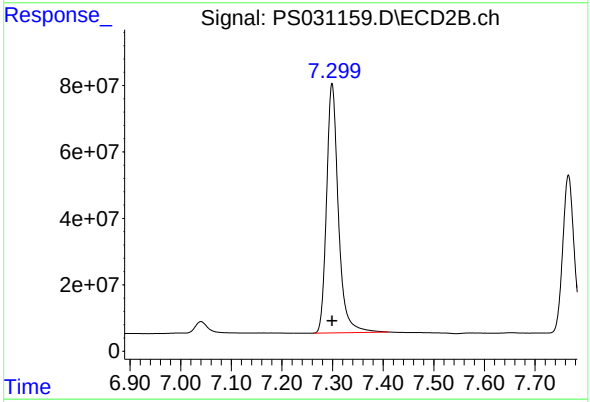
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1039212665
Conc: 697.50 ng/ml



#3 4-Nitrophenol

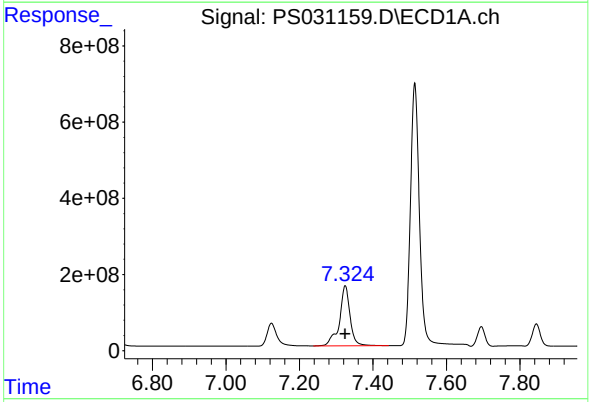
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1095621662
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



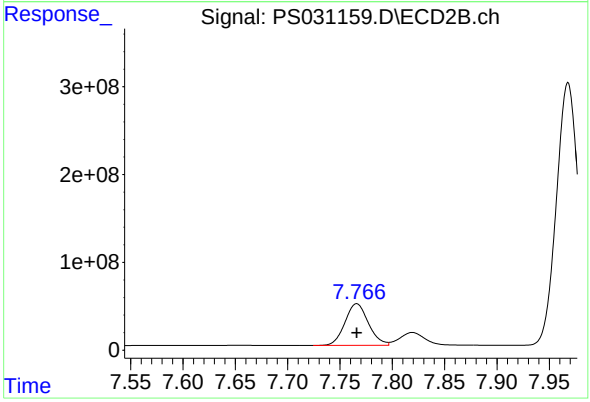
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1217907727
Conc: 682.50 ng/ml



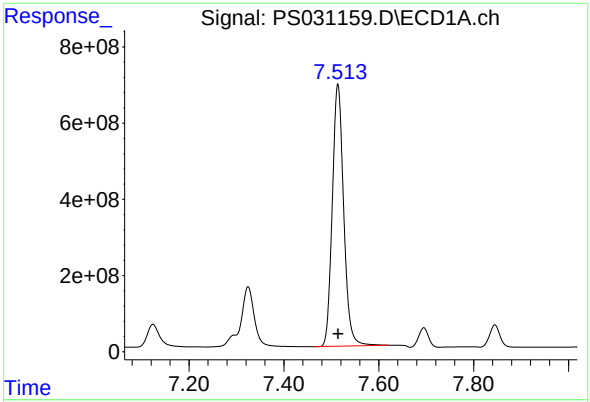
#4 2,4-DCAA

R.T.: 7.325 min
Delta R.T.: 0.000 min
Response: 3186540835
Conc: 750.00 ng/ml



#4 2,4-DCAA

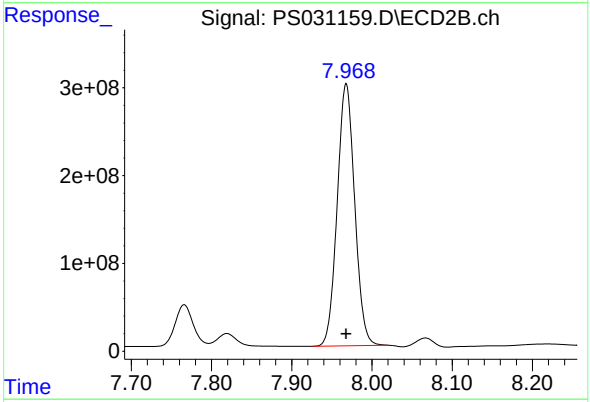
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 741295289
Conc: 750.00 ng/ml



#5 DICAMBA

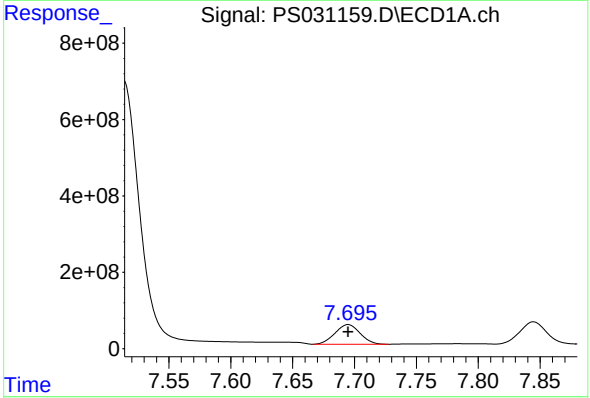
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 11470202403
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



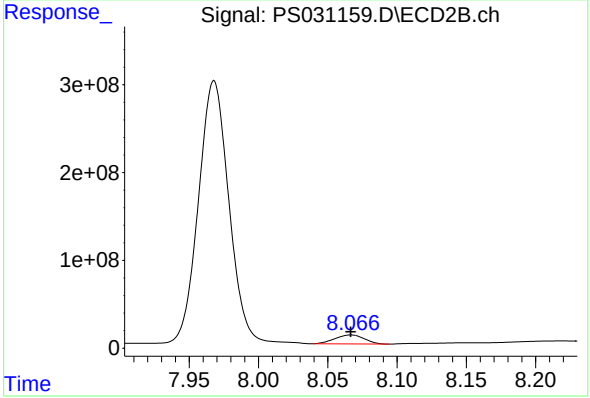
#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 4523946759
Conc: 705.00 ng/ml



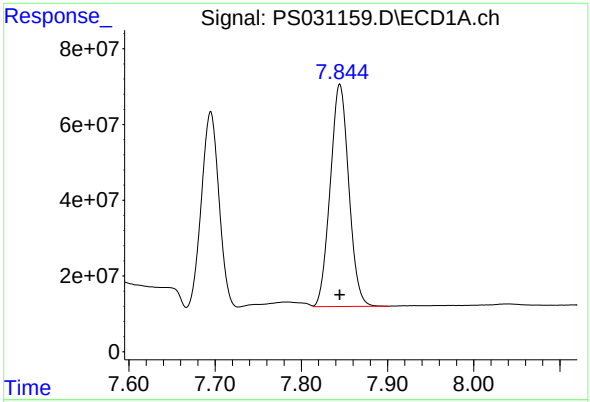
#6 MCPP

R.T.: 7.695 min
Delta R.T.: 0.000 min
Response: 725712614
Conc: 70.50 ug/ml



#6 MCPP

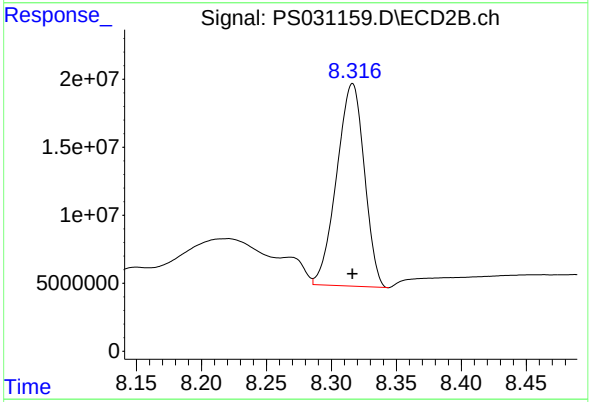
R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 150759642
Conc: 70.50 ug/ml



#7 MCPA

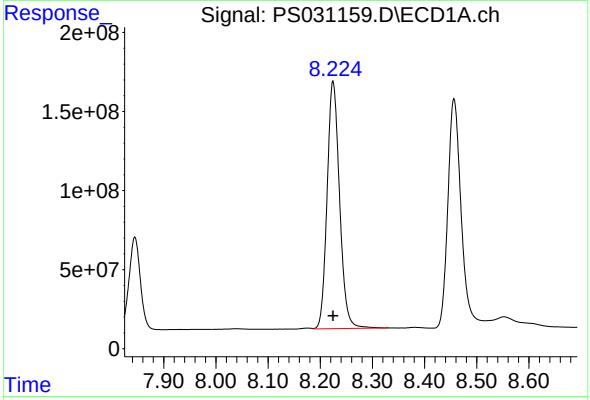
R.T.: 7.845 min
Delta R.T.: 0.000 min
Response: 877165270
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



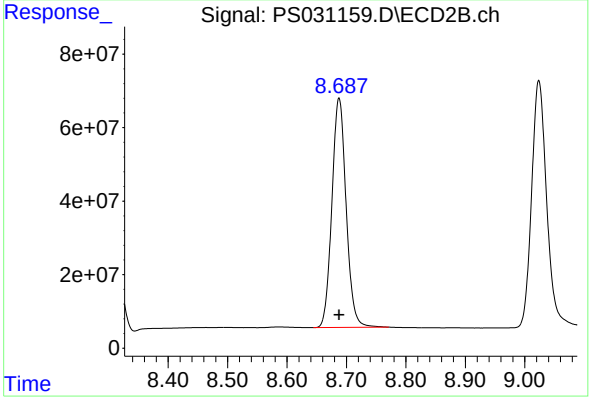
#7 MCPA

R.T.: 8.316 min
Delta R.T.: 0.000 min
Response: 220378065
Conc: 69.75 ug/ml



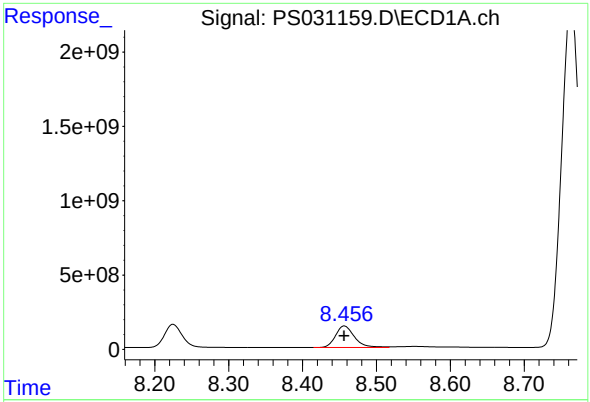
#8 DICHLORPROP

R.T.: 8.224 min
Delta R.T.: 0.000 min
Response: 2596948193
Conc: 705.00 ng/ml



#8 DICHLORPROP

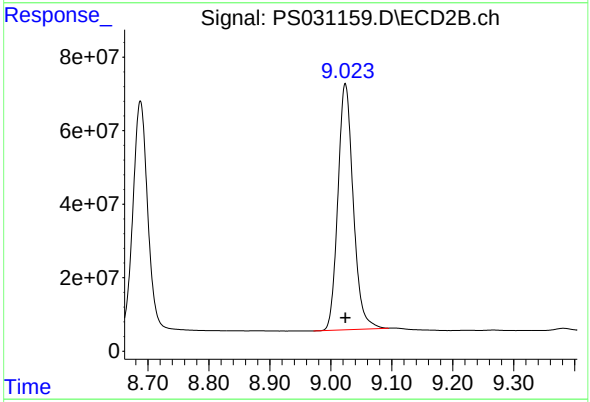
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1038723007
Conc: 705.00 ng/ml



#9 2,4-D

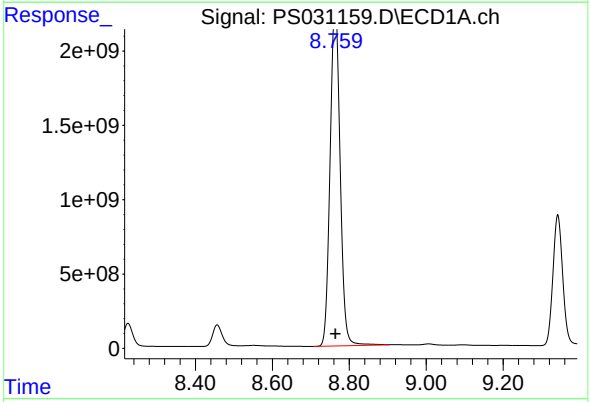
R.T.: 8.456 min
Delta R.T.: 0.000 min
Response: 2576397088
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



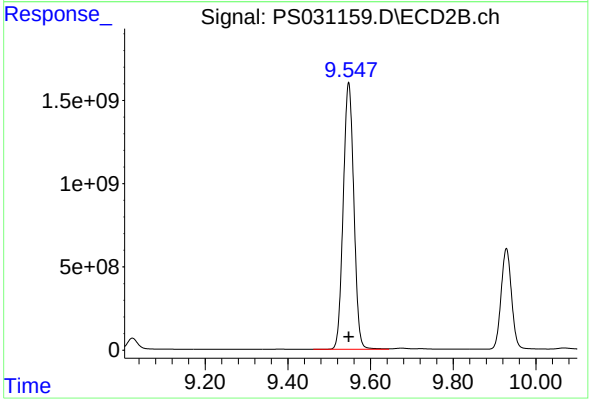
#9 2,4-D

R.T.: 9.024 min
Delta R.T.: 0.000 min
Response: 1167624034
Conc: 705.00 ng/ml



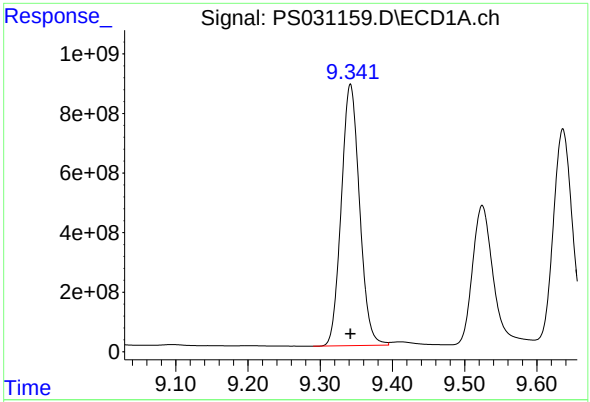
#10 Pentachlorophenol

R.T.: 8.764 min
Delta R.T.: 0.000 min
Response: 40831115392
Conc: 712.50 ng/ml



#10 Pentachlorophenol

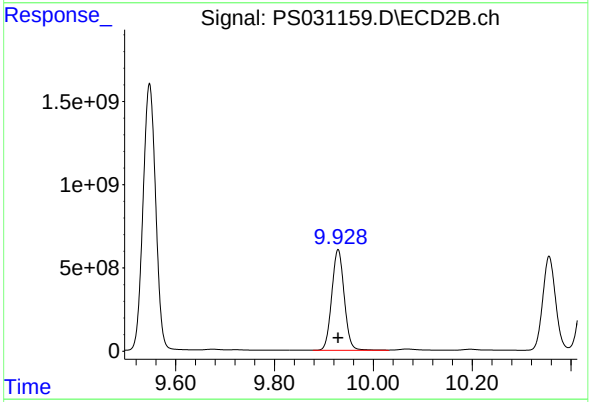
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 28472689879
Conc: 712.50 ng/ml



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

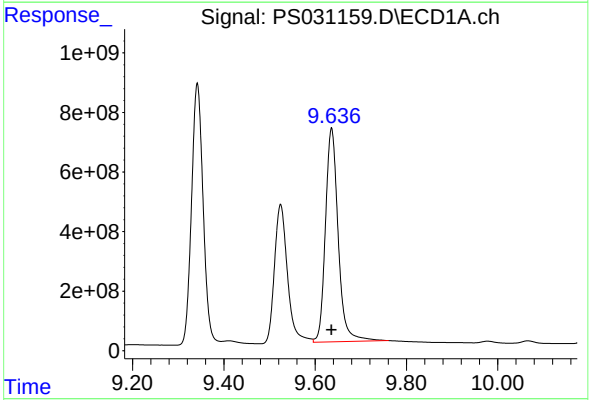
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 15417581775
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



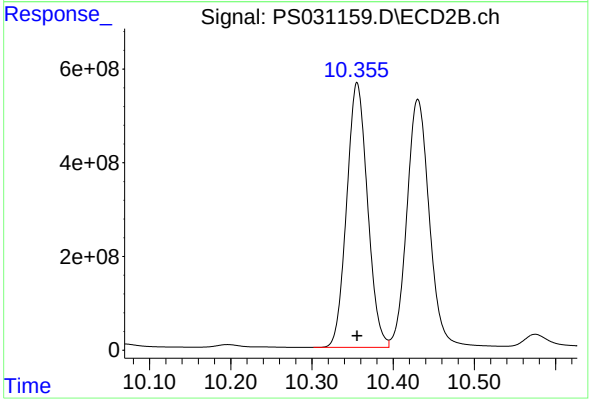
#11 2,4,5-TP (SILVEX)

R.T.: 9.929 min
Delta R.T.: 0.000 min
Response: 10574141453
Conc: 712.50 ng/ml



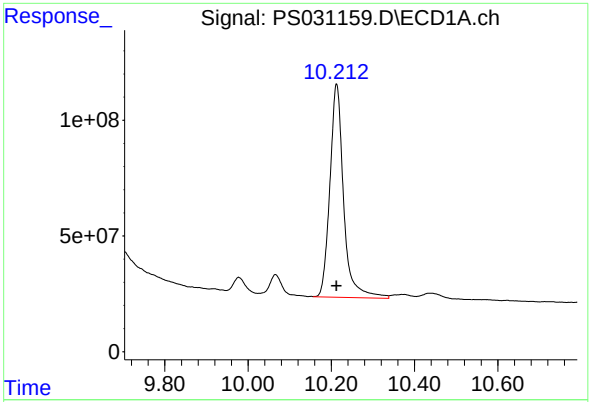
#12 2,4,5-T

R.T.: 9.636 min
Delta R.T.: 0.000 min
Response: 13899798654
Conc: 712.50 ng/ml



#12 2,4,5-T

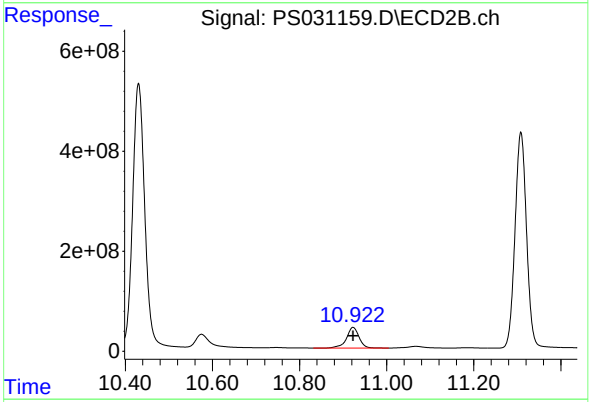
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 10086489003
Conc: 712.50 ng/ml



#13 2,4-DB

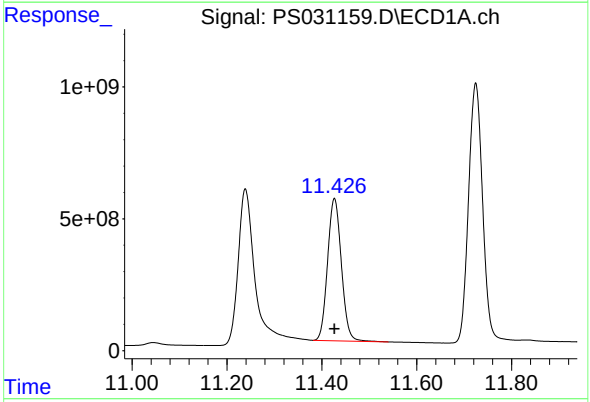
R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 2110870159
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



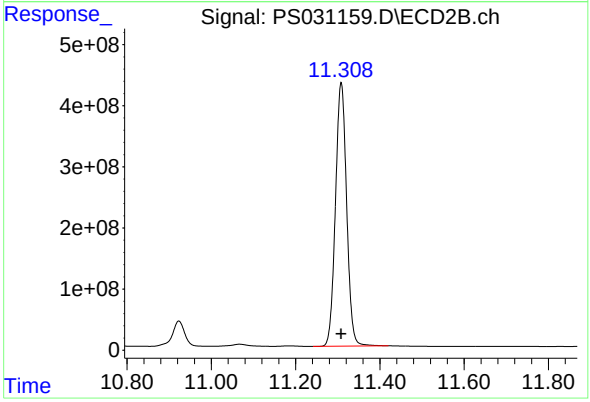
#13 2,4-DB

R.T.: 10.923 min
Delta R.T.: 0.000 min
Response: 824500710
Conc: 712.50 ng/ml



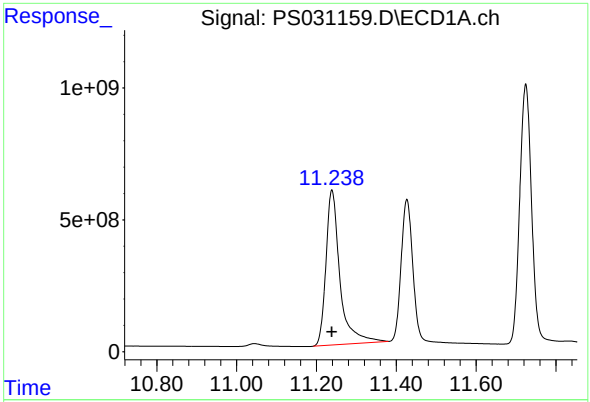
#14 DINOSEB

R.T.: 11.427 min
Delta R.T.: 0.000 min
Response: 10869651077
Conc: 705.00 ng/ml



#14 DINOSEB

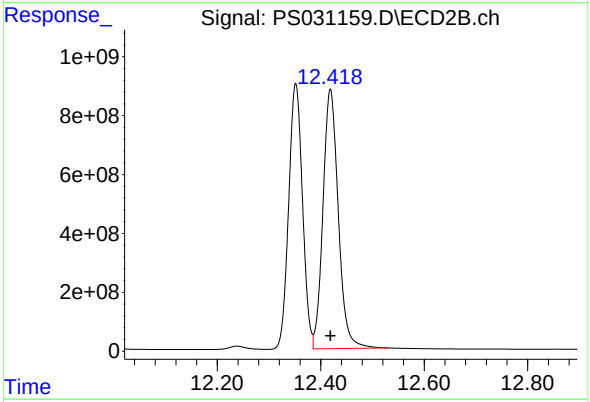
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 7928284747
Conc: 705.00 ng/ml



#15 Picloram

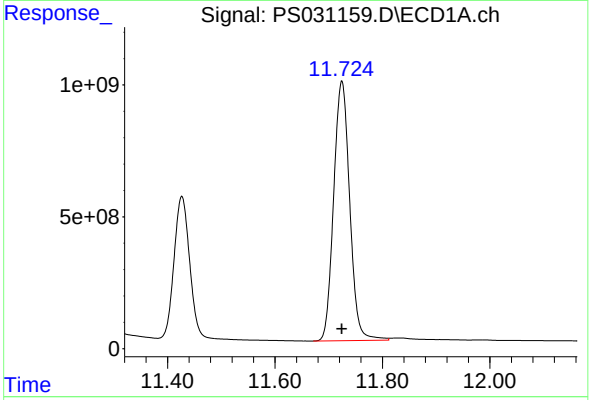
R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 14344036300
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



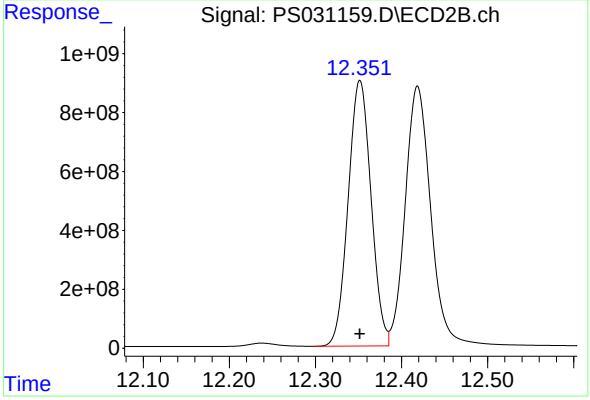
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 18093254692
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.724 min
Delta R.T.: 0.000 min
Response: 20392160883
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.352 min
Delta R.T.: 0.000 min
Response: 16674128017
Conc: 720.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031160.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:15
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: Jul 22 03:10:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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	7.325	7.767	4081.1E6	963.1E6	960.548	974.410
	Target Compounds						
1) T	Dalapon	2.689	2.704	5453.5E6	2469.7E6	881.153	886.533
2) T	3,5-DICHL...	6.488	6.713	4802.5E6	1352.4E6	894.170	907.714
3) T	4-Nitroph...	7.124	7.299	1421.4E6	1607.0E6	885.429	900.562
5) T	DICAMBA	7.514	7.969	14833.0E6	5935.2E6	911.687	924.924
6) T	MCPP	7.697	8.069	988.3E6	202.3E6	96.010	94.579
7) T	MCPA	7.847	8.319	1186.7E6	292.4E6	94.362	92.559
8) T	DICHLORPROP	8.226	8.688	3335.1E6	1341.1E6	905.388	910.253
9) T	2,4-D	8.458	9.025	3339.3E6	1508.0E6	913.771	910.492
10) T	Pentachlo...	8.766	9.548	47049.8E6	36703.3E6	821.015	918.463
11) T	2,4,5-TP ...	9.343	9.929	19814.3E6	13630.7E6	915.689	918.454
12) T	2,4,5-T	9.637	10.356	18055.2E6	13055.2E6	925.505	922.208
13) T	2,4-DB	10.214	10.924	2771.7E6	1069.0E6	935.560	923.814
14) T	DINOSEB	11.428	11.308	14020.1E6	10337.9E6	909.338	919.272
15) T	Picloram	11.239	12.419	19111.4E6	23828.6E6	949.306	938.353
16) T	DCPA	11.725	12.353	25980.1E6	21487.8E6	917.296	927.856

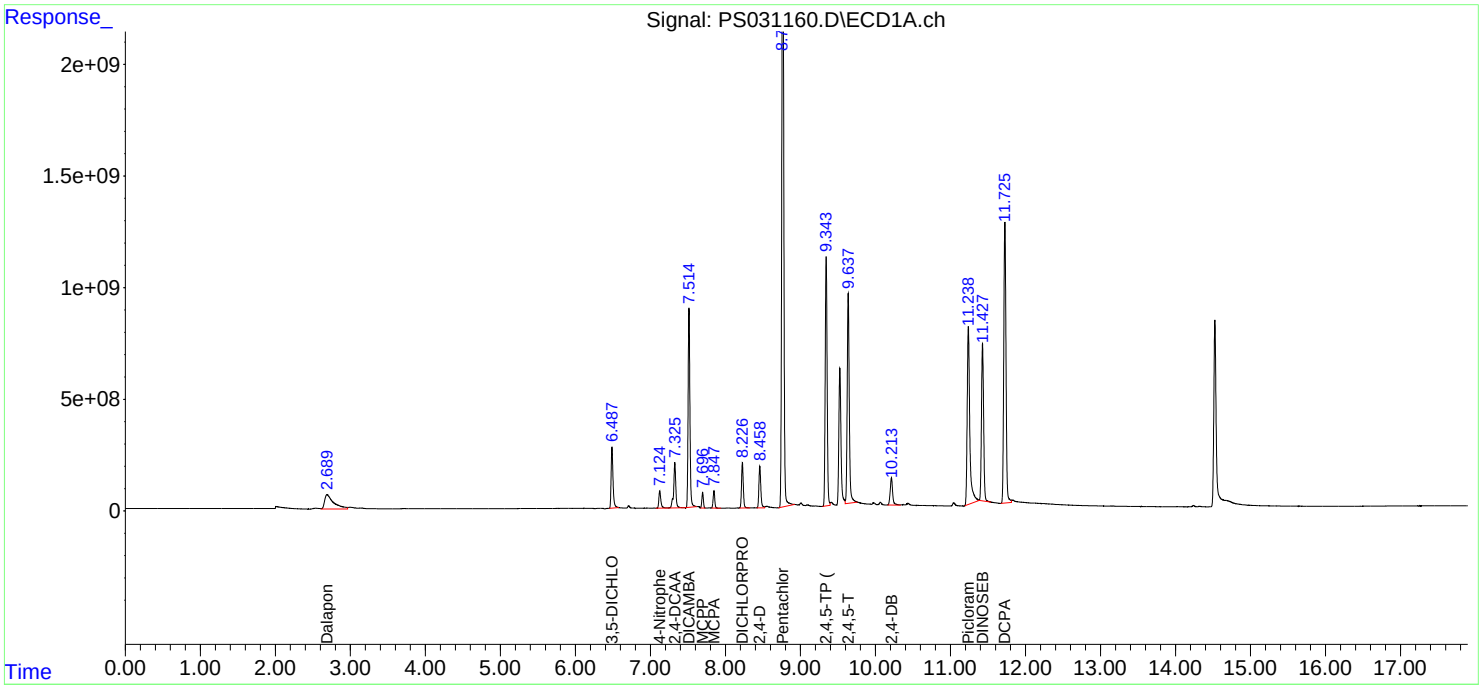
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

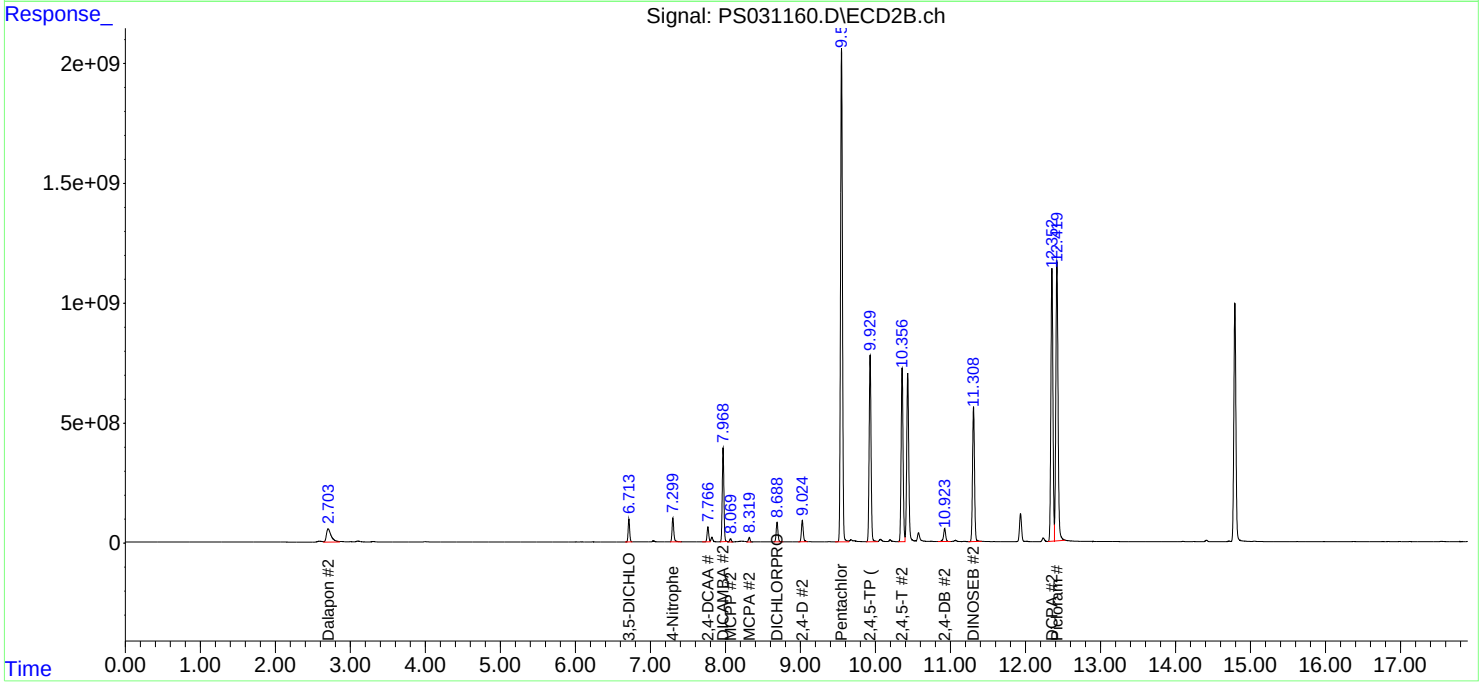
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031160.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:15
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

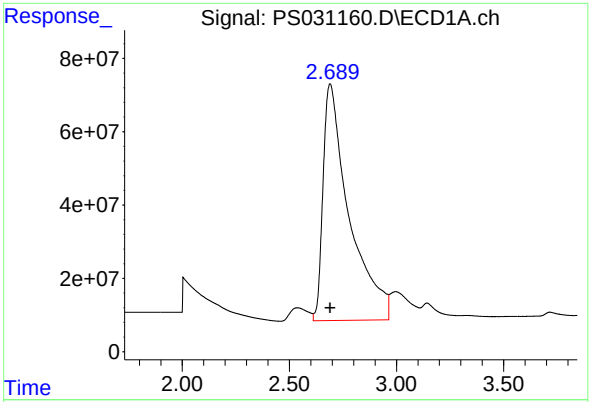
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:10:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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



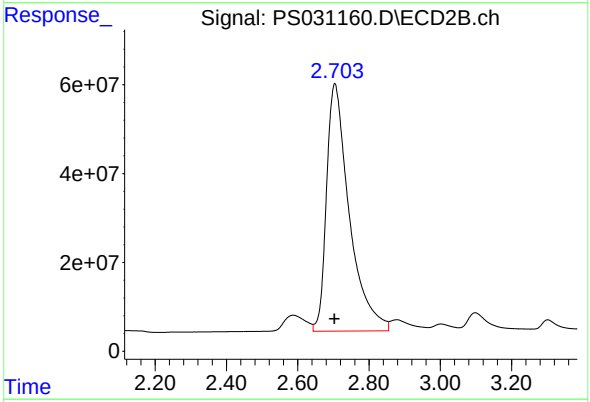




#1 Dalapon

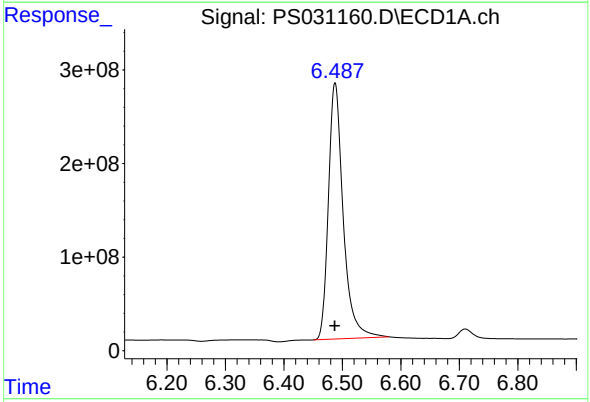
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 5453482387
Conc: 881.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



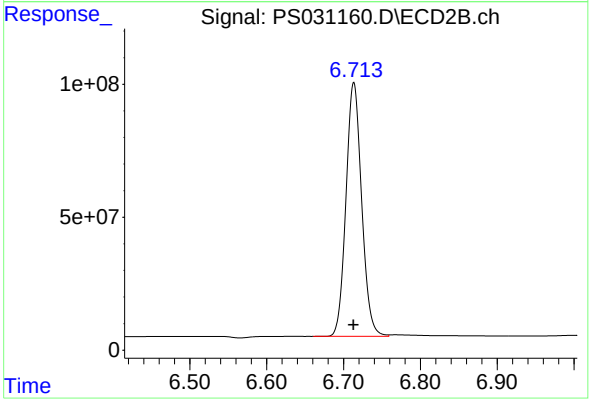
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 2469740297
Conc: 886.53 ng/ml



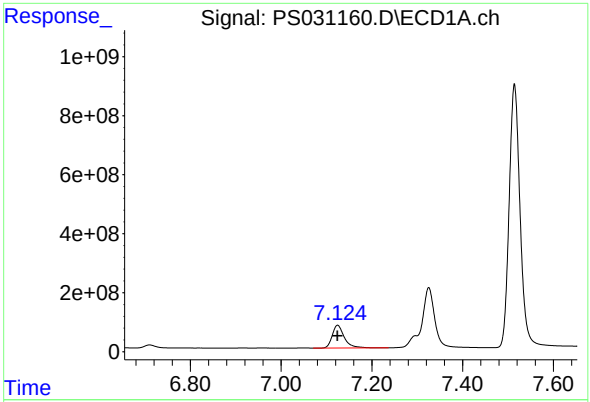
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.488 min
Delta R.T.: 0.000 min
Response: 4802454215
Conc: 894.17 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

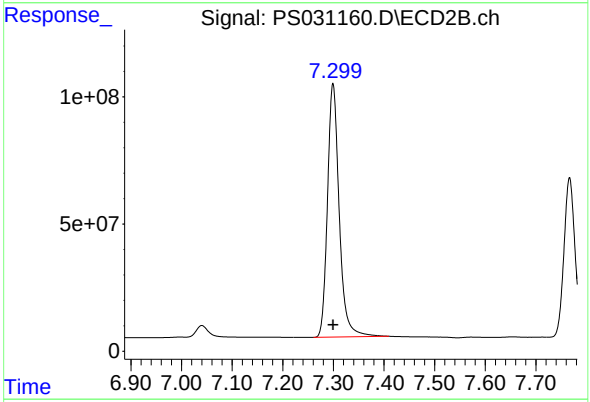
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1352413139
Conc: 907.71 ng/ml



#3 4-Nitrophenol

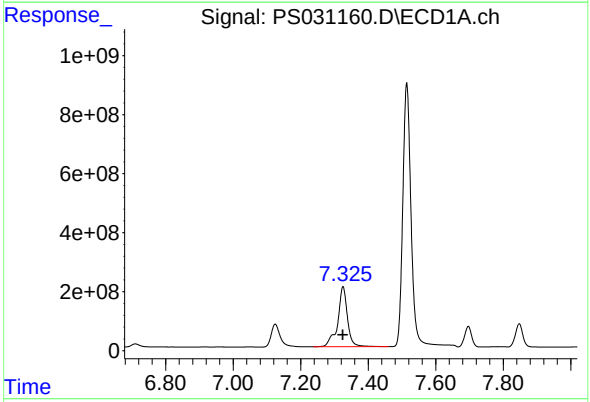
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1421384436
Conc: 885.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



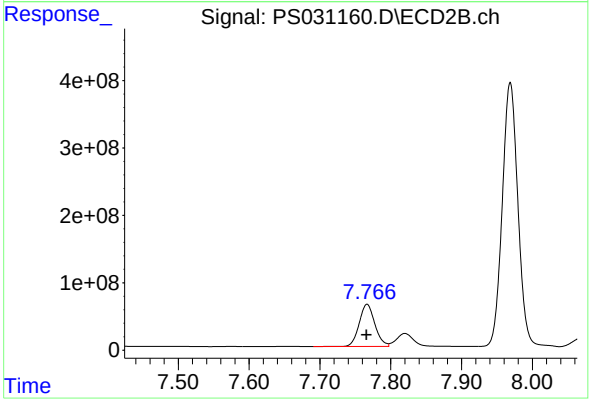
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1607035149
Conc: 900.56 ng/ml



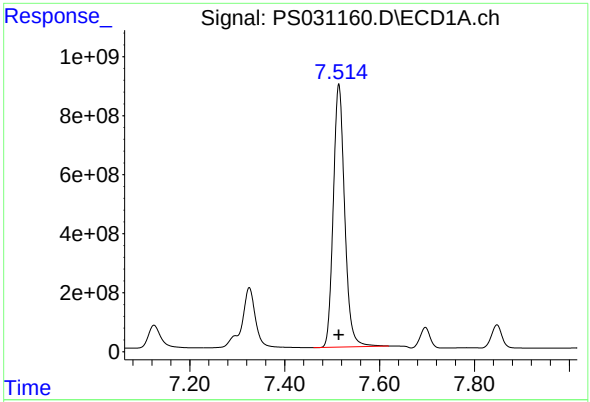
#4 2,4-DCAA

R.T.: 7.325 min
Delta R.T.: 0.000 min
Response: 4081100306
Conc: 960.55 ng/ml



#4 2,4-DCAA

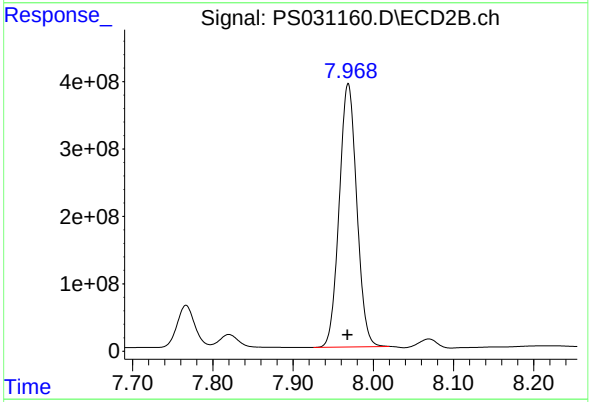
R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 963100505
Conc: 974.41 ng/ml



#5 DICAMBA

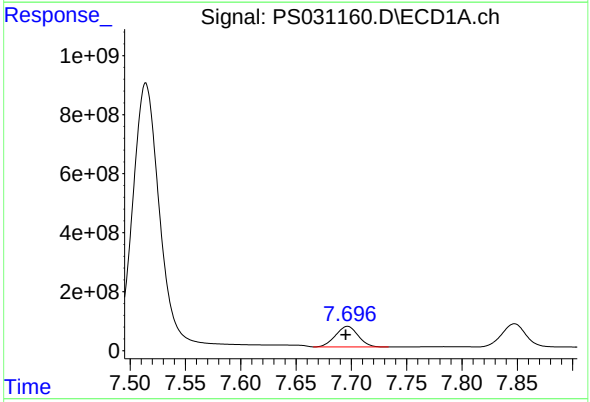
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 14832958607
Conc: 911.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



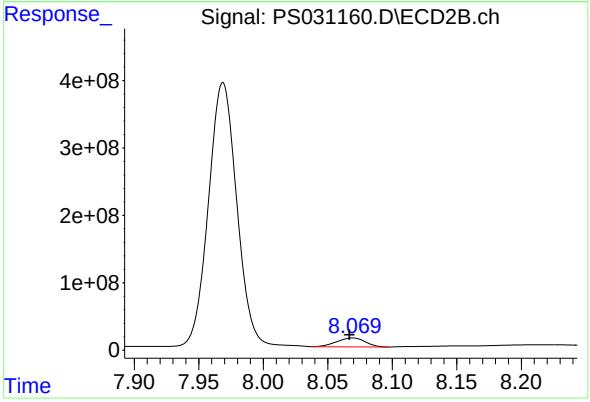
#5 DICAMBA

R.T.: 7.969 min
Delta R.T.: 0.000 min
Response: 5935186825
Conc: 924.92 ng/ml



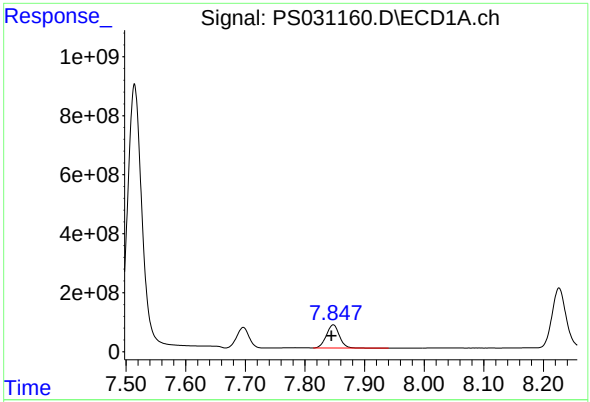
#6 MCPP

R.T.: 7.697 min
Delta R.T.: 0.002 min
Response: 988309419
Conc: 96.01 ug/ml



#6 MCPP

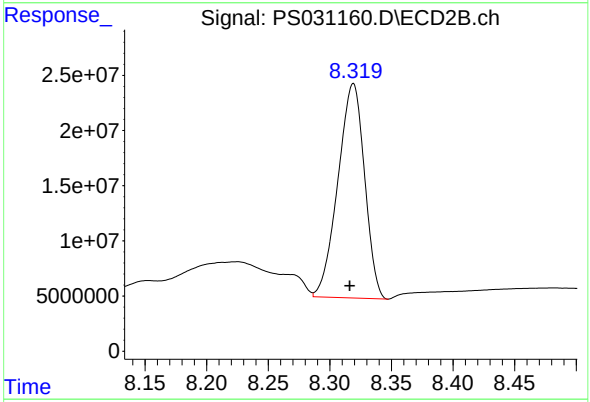
R.T.: 8.069 min
Delta R.T.: 0.003 min
Response: 202250812
Conc: 94.58 ug/ml



#7 MCPA

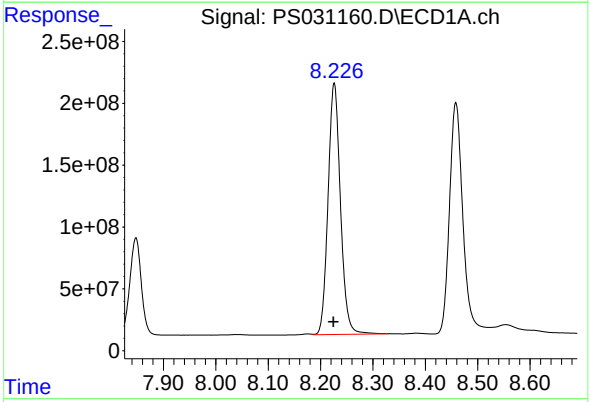
R.T.: 7.847 min
Delta R.T.: 0.003 min
Response: 1186681895
Conc: 94.36 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



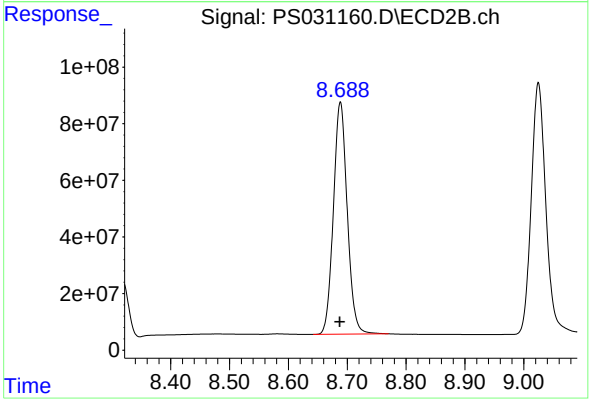
#7 MCPA

R.T.: 8.319 min
Delta R.T.: 0.003 min
Response: 292445492
Conc: 92.56 ug/ml



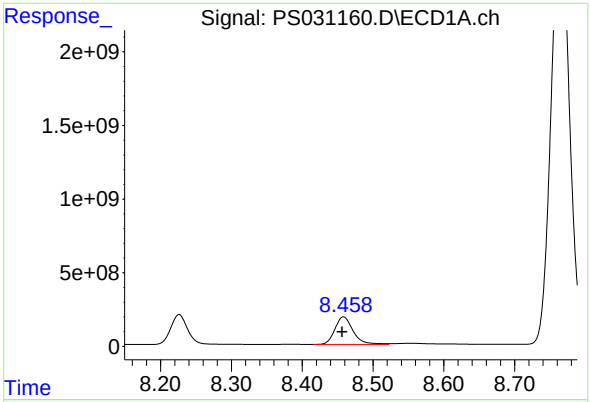
#8 DICHLORPROP

R.T.: 8.226 min
Delta R.T.: 0.002 min
Response: 3335100839
Conc: 905.39 ng/ml



#8 DICHLORPROP

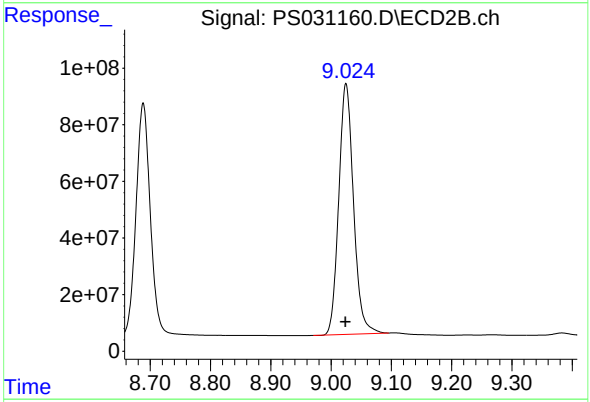
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1341135683
Conc: 910.25 ng/ml



#9 2,4-D

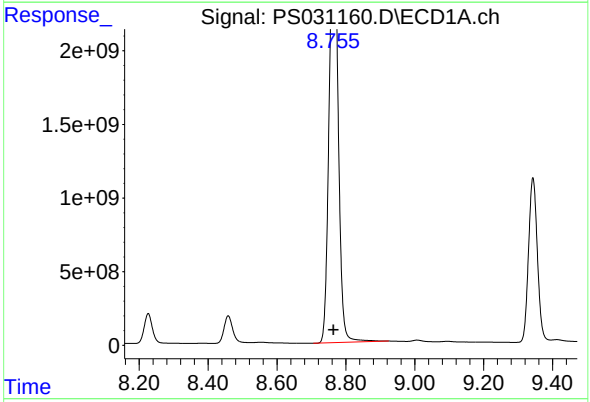
R.T.: 8.458 min
Delta R.T.: 0.002 min
Response: 3339344621
Conc: 913.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



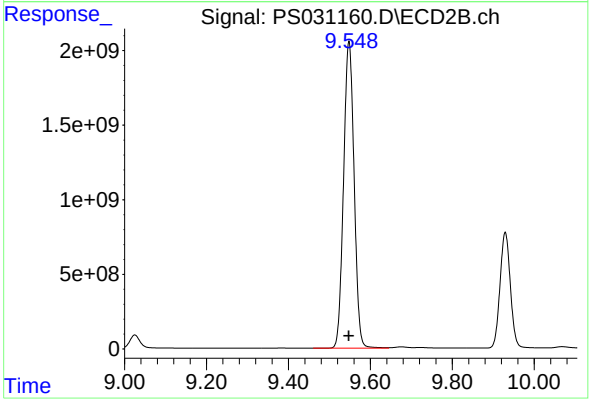
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.001 min
Response: 1507960462
Conc: 910.49 ng/ml



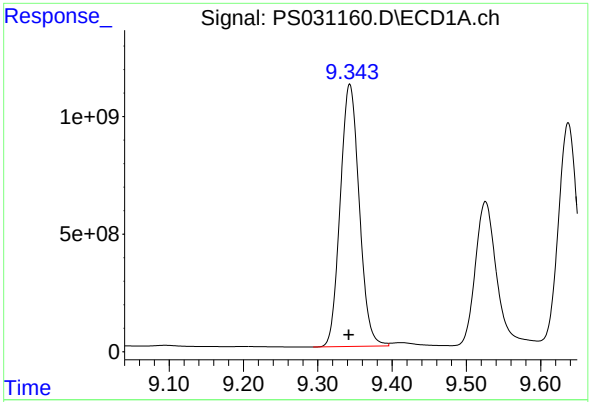
#10 Pentachlorophenol

R.T.: 8.766 min
Delta R.T.: 0.002 min
Response: 47049761792
Conc: 821.01 ng/ml



#10 Pentachlorophenol

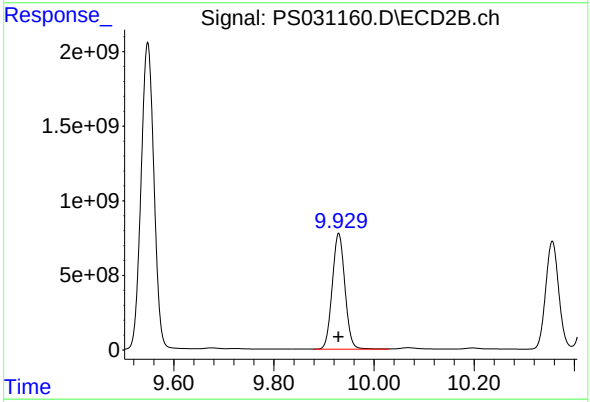
R.T.: 9.548 min
Delta R.T.: 0.000 min
Response: 36703311197
Conc: 918.46 ng/ml



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

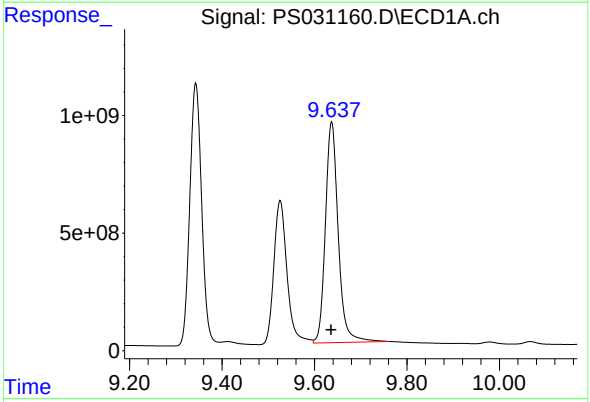
R.T.: 9.343 min
Delta R.T.: 0.001 min
Response: 19814320460
Conc: 915.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



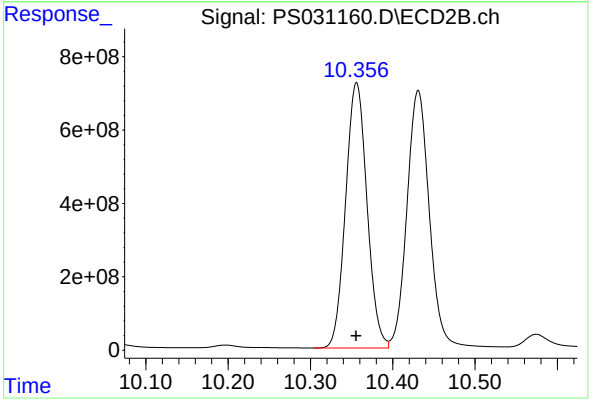
#11 2,4,5-TP (SILVEX)

R.T.: 9.929 min
Delta R.T.: 0.000 min
Response: 13630690259
Conc: 918.45 ng/ml



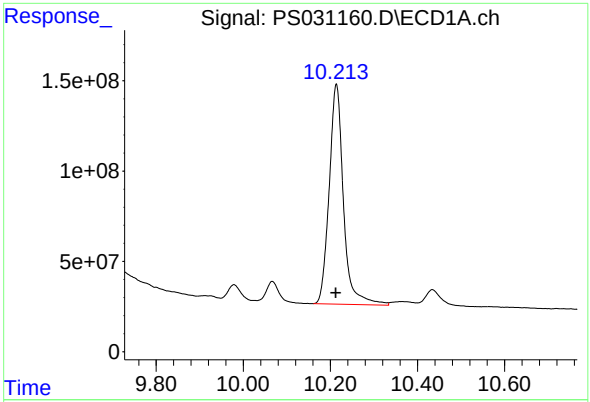
#12 2,4,5-T

R.T.: 9.637 min
Delta R.T.: 0.001 min
Response: 18055208033
Conc: 925.51 ng/ml



#12 2,4,5-T

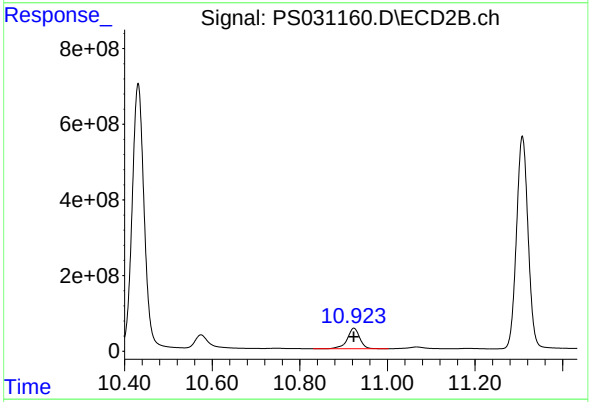
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 13055215548
Conc: 922.21 ng/ml



#13 2,4-DB

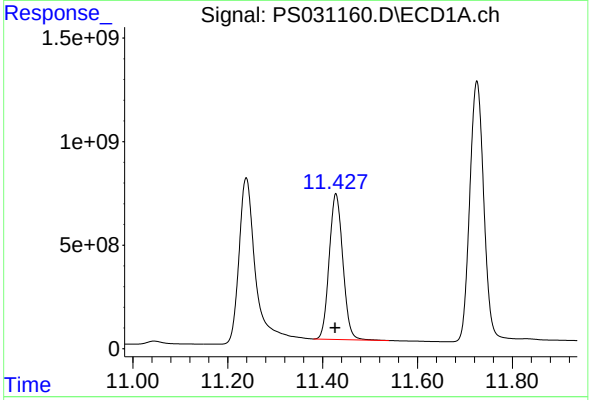
R.T.: 10.214 min
Delta R.T.: 0.001 min
Response: 2771712245
Conc: 935.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



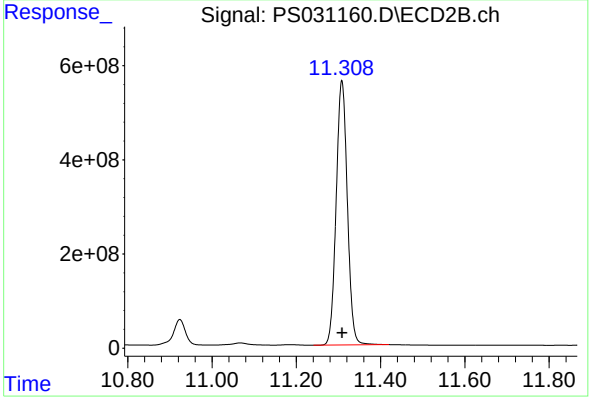
#13 2,4-DB

R.T.: 10.924 min
Delta R.T.: 0.000 min
Response: 1069032150
Conc: 923.81 ng/ml



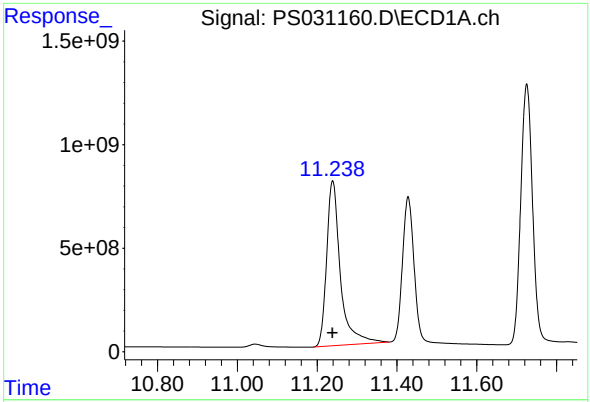
#14 DINOSEB

R.T.: 11.428 min
Delta R.T.: 0.001 min
Response: 14020122881
Conc: 909.34 ng/ml



#14 DINOSEB

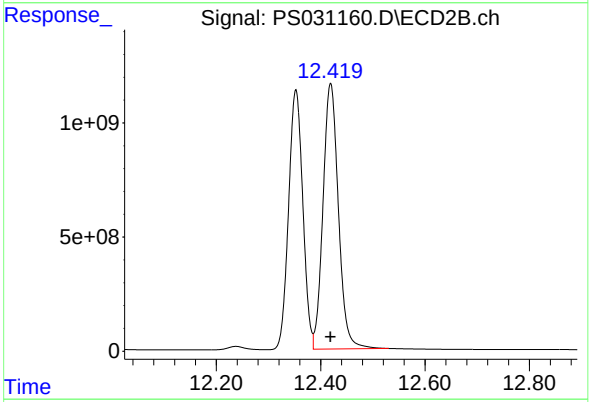
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 10337937996
Conc: 919.27 ng/ml



#15 Picloram

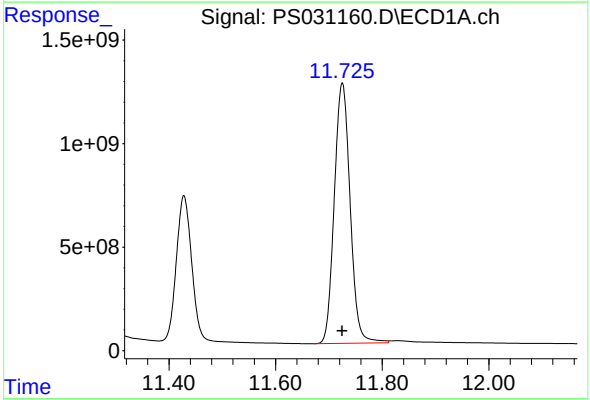
R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 19111405619
Conc: 949.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



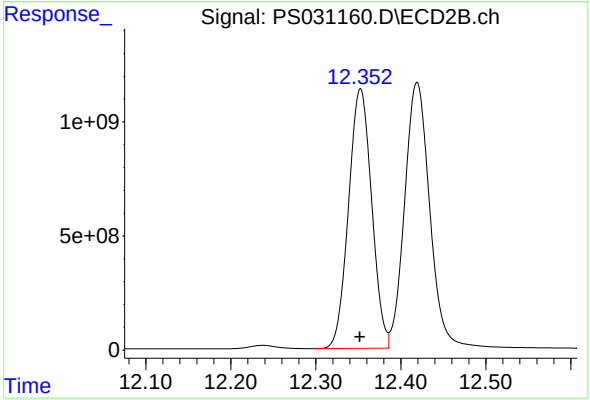
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 23828587760
Conc: 938.35 ng/ml



#16 DCPA

R.T.: 11.725 min
Delta R.T.: 0.000 min
Response: 25980070197
Conc: 917.30 ng/ml



#16 DCPA

R.T.: 12.353 min
Delta R.T.: 0.000 min
Response: 21487768861
Conc: 927.86 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031161.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:39
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: Jul 22 03:10:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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	7.325	7.766	5875.5E6	1404.3E6	1382.891	1420.834
		Target Compounds						
1)	T	Dalapon	2.690	2.704	7938.8E6	3614.4E6	1282.720	1297.406
2)	T	3,5-DICHL...	6.487	6.713	6892.0E6	2008.4E6	1283.221	1348.011
3)	T	4-Nitroph...	7.124	7.299	2109.3E6	2405.8E6	1313.968	1348.194
5)	T	DICAMBA	7.514	7.968	21449.9E6	8752.1E6	1318.388	1363.903
6)	T	MCPP	7.700	8.072	1564.7E6	297.8E6	152.005	139.276
7)	T	MCPA	7.851	8.323	1839.8E6	444.0E6	146.296	140.535
8)	T	DICHLORPROP	8.226	8.688	4846.5E6	1942.3E6	1315.694	1318.255
9)	T	2,4-D	8.457	9.024	4868.8E6	2197.2E6	1332.281	1326.671
10)	T	Pentachlo...	8.770	9.550	55402.7E6	46681.0E6	966.773	1168.145
11)	T	2,4,5-TP ...	9.342	9.929	28356.6E6	19507.8E6	1310.459	1314.463
12)	T	2,4,5-T	9.636	10.356	26262.2E6	18777.4E6	1346.194	1326.415
13)	T	2,4-DB	10.212	10.924	4222.7E6	1570.0E6	1425.313	1356.718
14)	T	DINOSEB	11.427	11.308	20292.3E6	15081.1E6	1316.146	1341.040
15)	T	Picloram	11.238	12.419	29336.1E6	34911.0E6	1457.188	1374.771
16)	T	DCPA	11.725	12.353	37119.0E6	30414.9E6	1310.584	1313.335

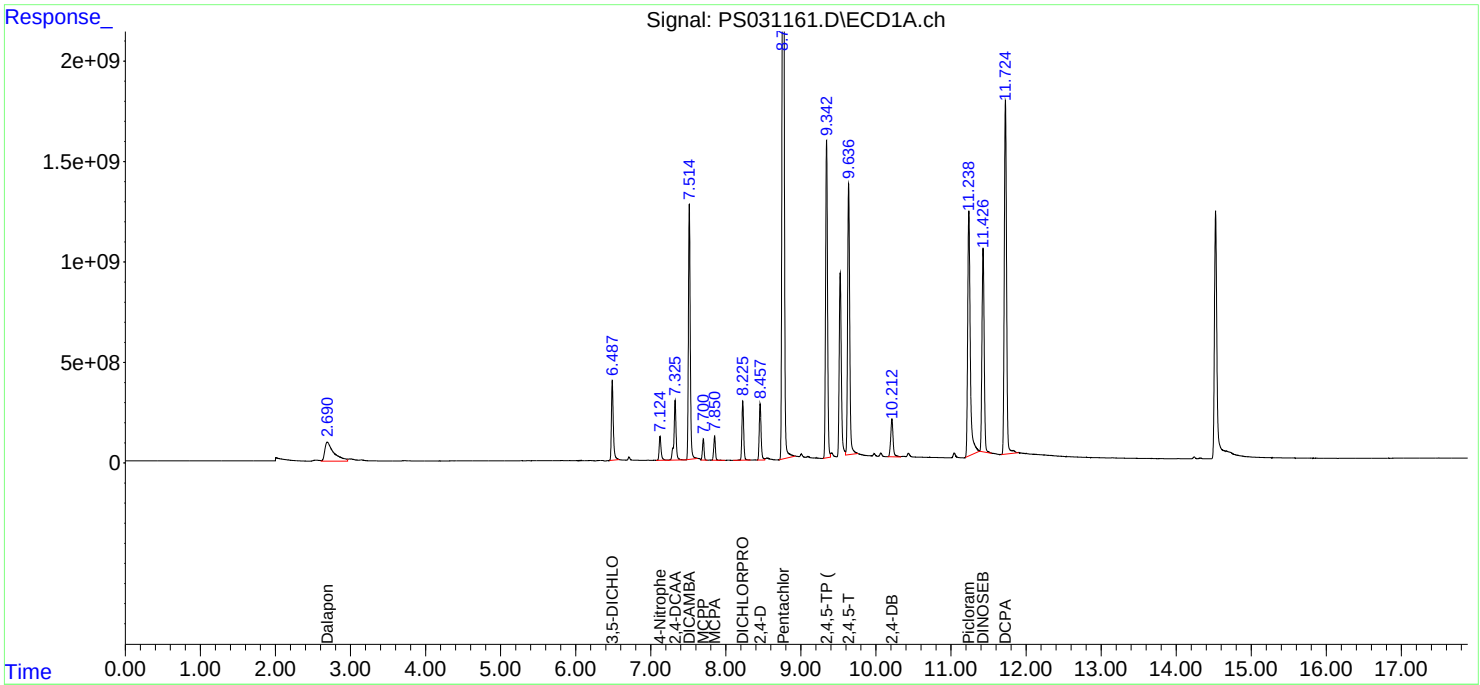
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

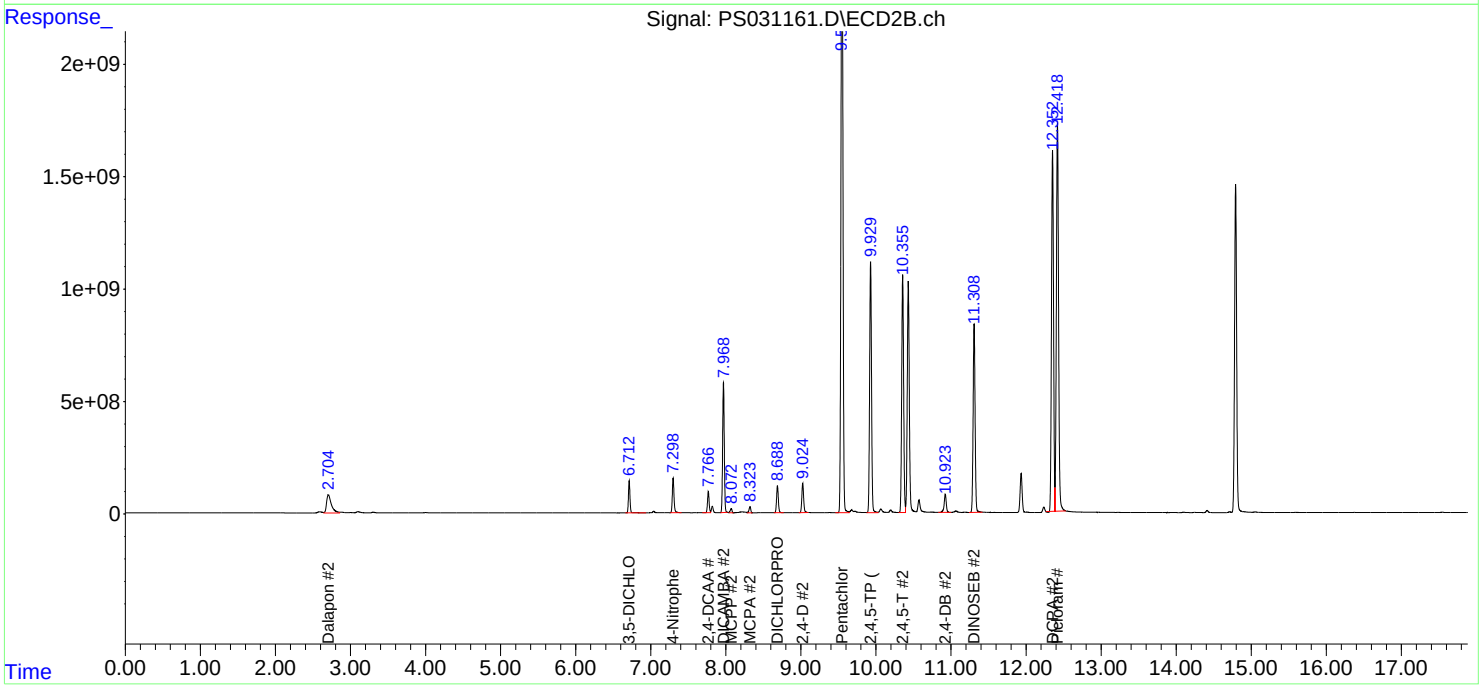
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031161.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:39
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

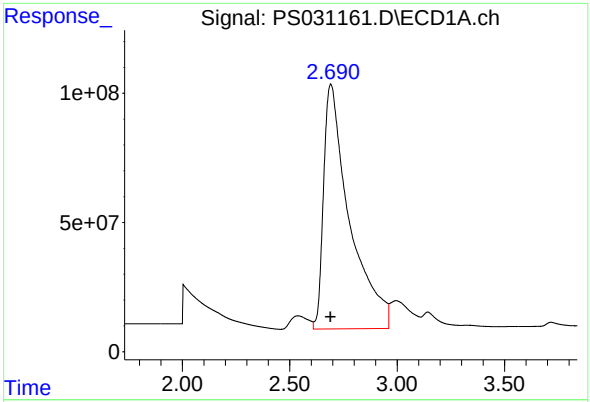
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:10:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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



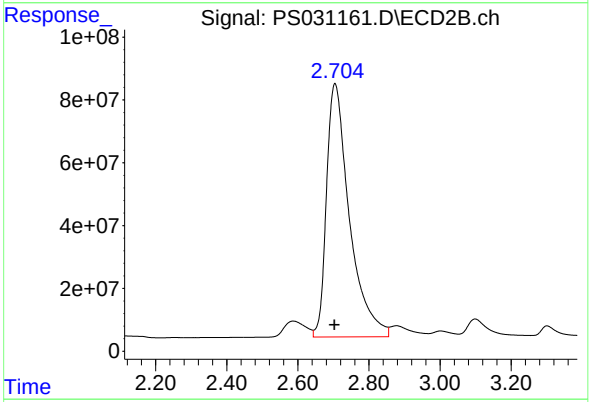




#1 Dalapon

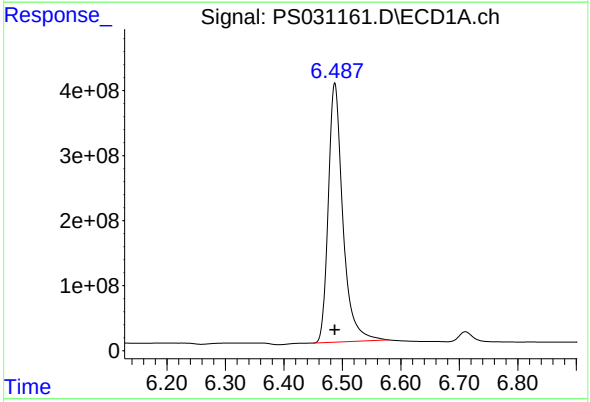
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 7938789953
Conc: 1282.72 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



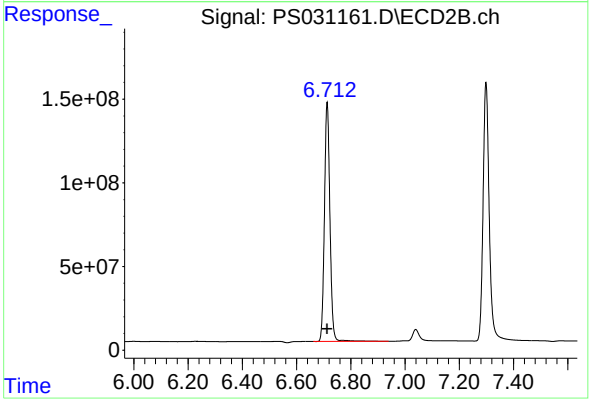
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 3614366802
Conc: 1297.41 ng/ml



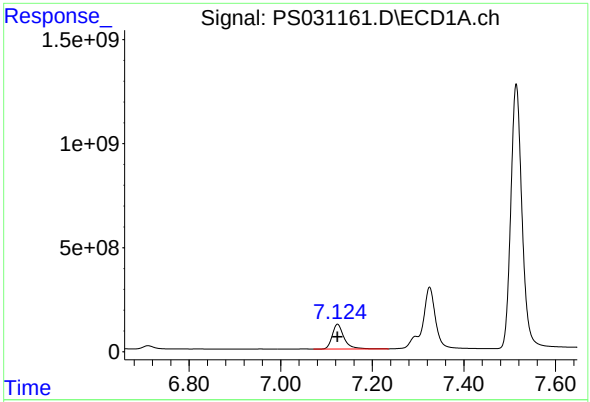
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: 0.000 min
Response: 6891984644
Conc: 1283.22 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

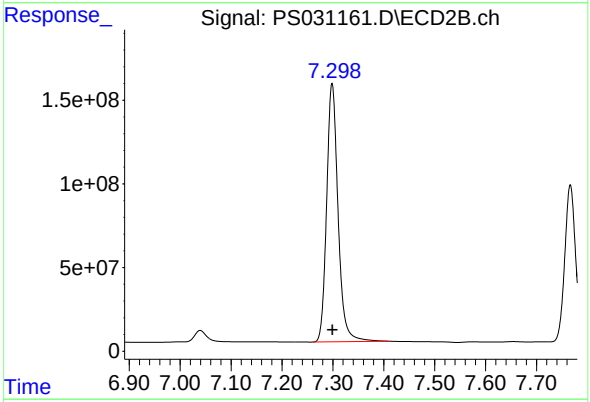
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 2008416196
Conc: 1348.01 ng/ml



#3 4-Nitrophenol

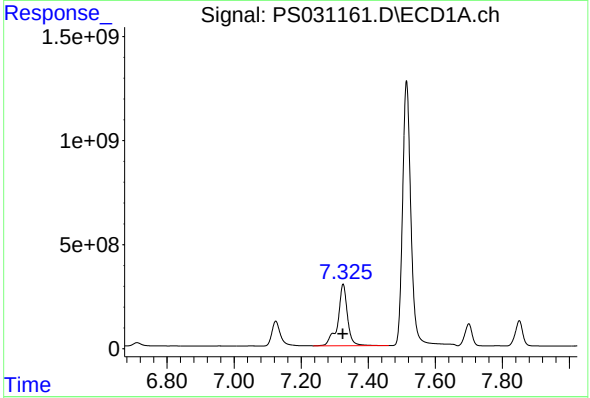
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 2109320808
Conc: 1313.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



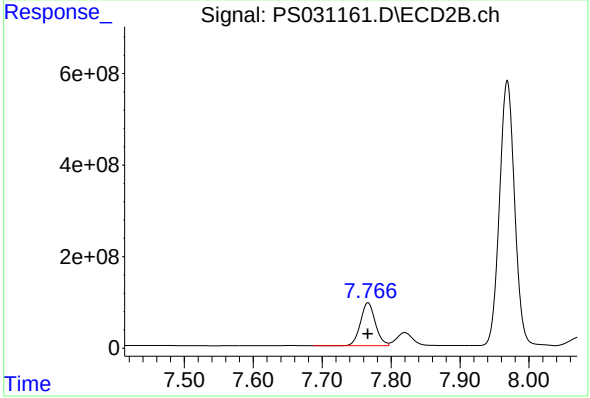
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 2405825772
Conc: 1348.19 ng/ml



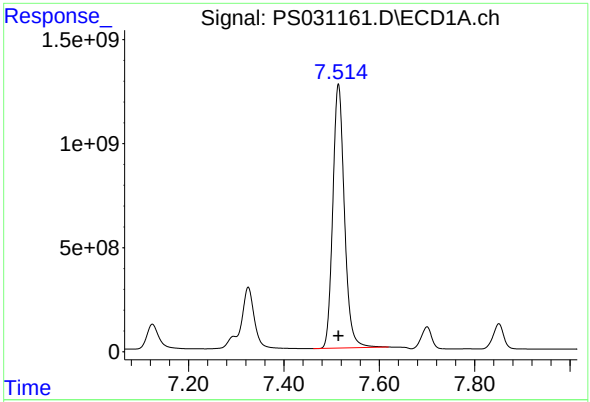
#4 2,4-DCAA

R.T.: 7.325 min
Delta R.T.: 0.000 min
Response: 5875520295
Conc: 1382.89 ng/ml



#4 2,4-DCAA

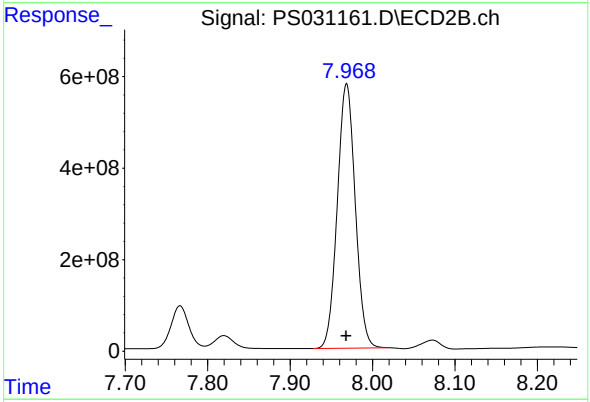
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 1404343492
Conc: 1420.83 ng/ml



#5 DICAMBA

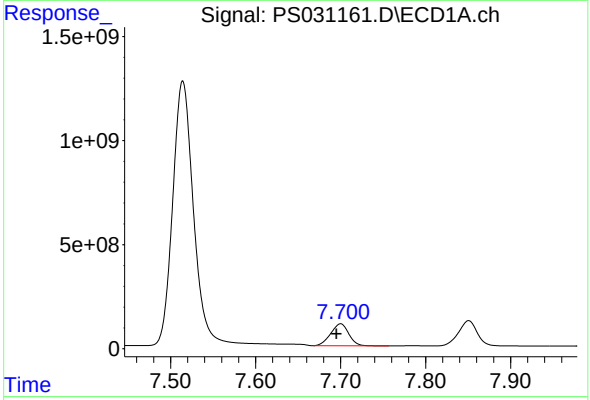
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 21449889213
Conc: 1318.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



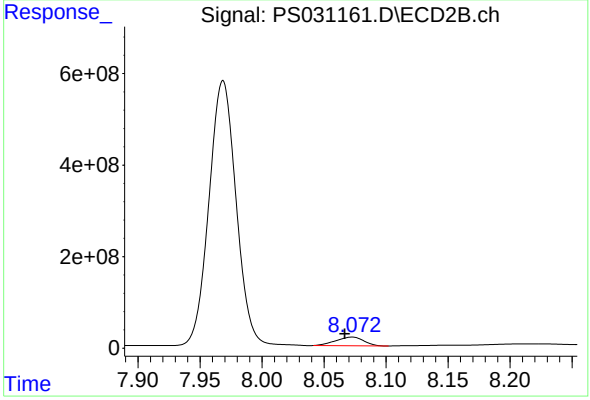
#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 8752090275
Conc: 1363.90 ng/ml



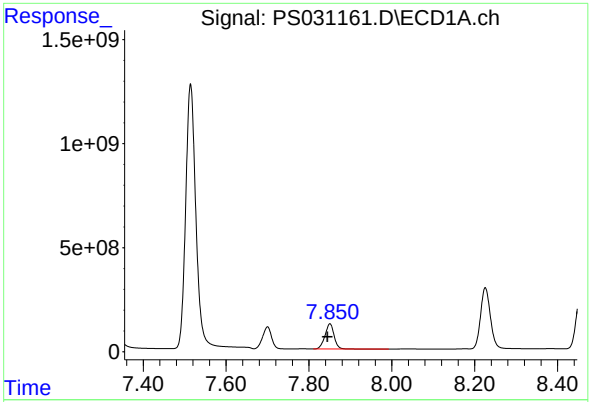
#6 MCPP

R.T.: 7.700 min
Delta R.T.: 0.005 min
Response: 1564708528
Conc: 152.01 ug/ml



#6 MCPP

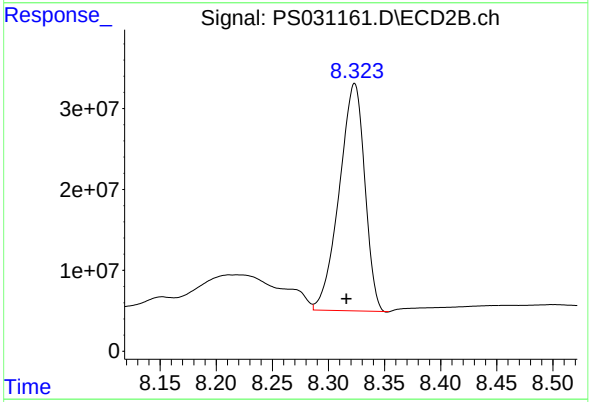
R.T.: 8.072 min
Delta R.T.: 0.006 min
Response: 297833100
Conc: 139.28 ug/ml



#7 MCPA

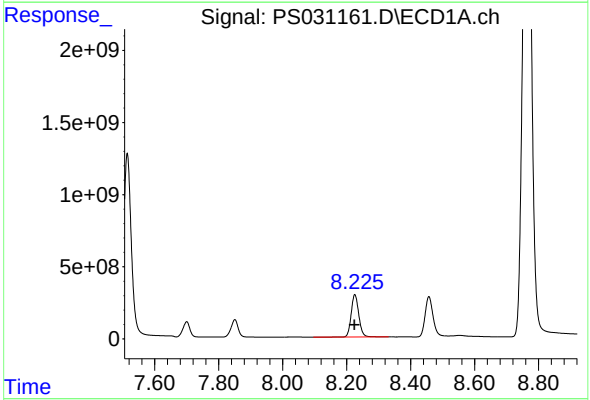
R.T.: 7.851 min
Delta R.T.: 0.006 min
Response: 1839792358
Conc: 146.30 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



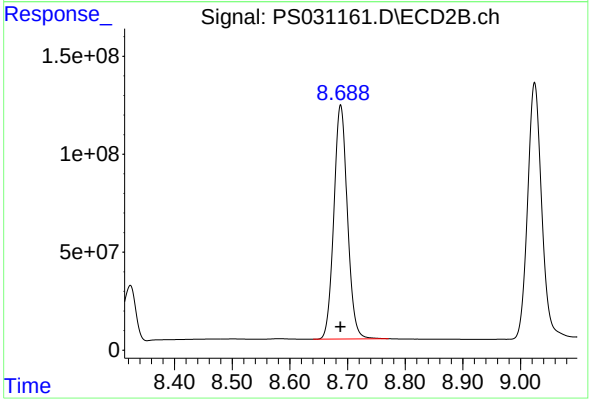
#7 MCPA

R.T.: 8.323 min
Delta R.T.: 0.007 min
Response: 444027593
Conc: 140.54 ug/ml



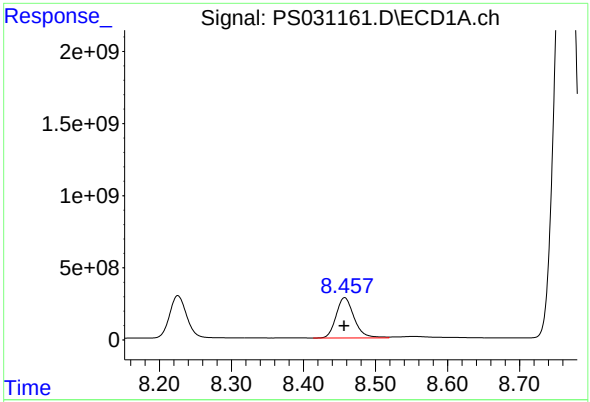
#8 DICHLORPROP

R.T.: 8.226 min
Delta R.T.: 0.001 min
Response: 4846509261
Conc: 1315.69 ng/ml



#8 DICHLORPROP

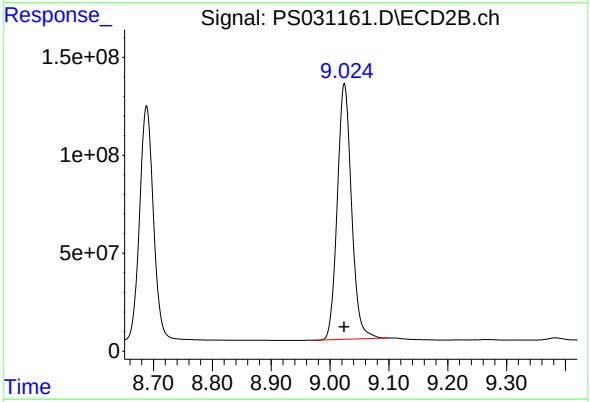
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1942272785
Conc: 1318.26 ng/ml



#9 2,4-D

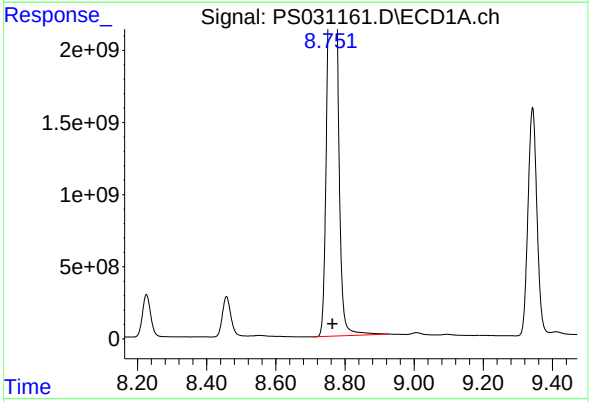
R.T.: 8.457 min
Delta R.T.: 0.000 min
Response: 4868771437
Conc: 1332.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



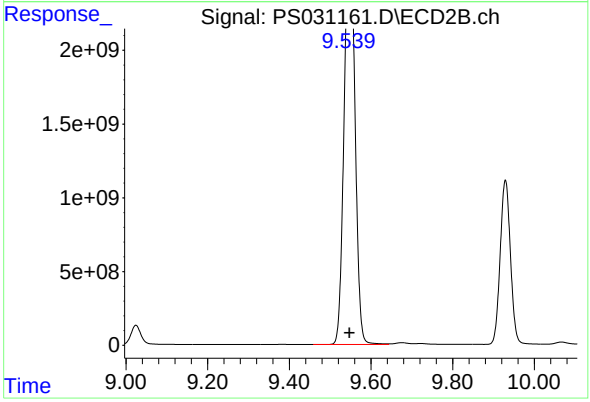
#9 2,4-D

R.T.: 9.024 min
Delta R.T.: 0.000 min
Response: 2197237652
Conc: 1326.67 ng/ml



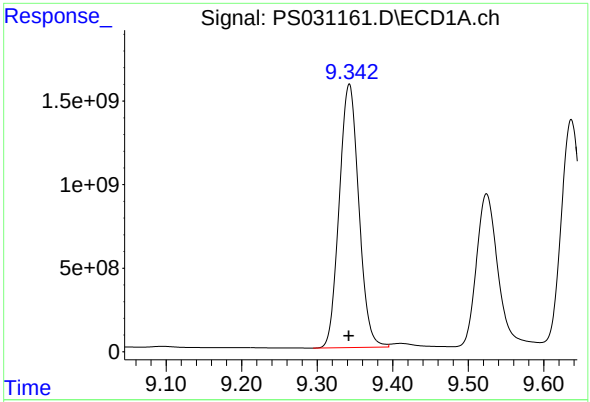
#10 Pentachlorophenol

R.T.: 8.770 min
Delta R.T.: 0.006 min
Response: 55402717037
Conc: 966.77 ng/ml



#10 Pentachlorophenol

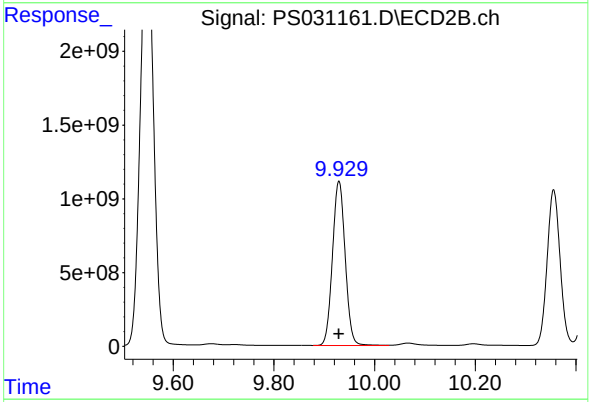
R.T.: 9.550 min
Delta R.T.: 0.002 min
Response: 46681007267
Conc: 1168.14 ng/ml



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

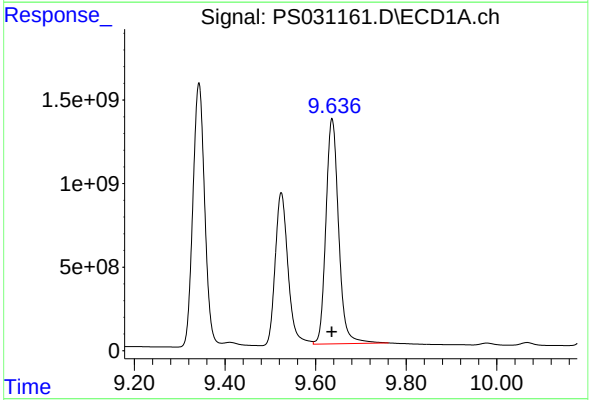
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 28356634711
Conc: 1310.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



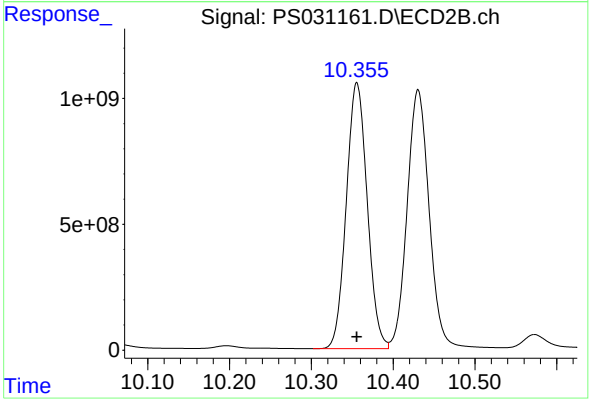
#11 2,4,5-TP (SILVEX)

R.T.: 9.929 min
Delta R.T.: 0.000 min
Response: 19507811794
Conc: 1314.46 ng/ml



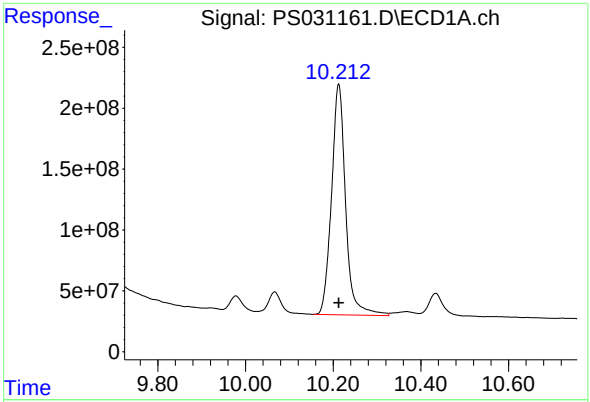
#12 2,4,5-T

R.T.: 9.636 min
Delta R.T.: 0.000 min
Response: 26262207350
Conc: 1346.19 ng/ml



#12 2,4,5-T

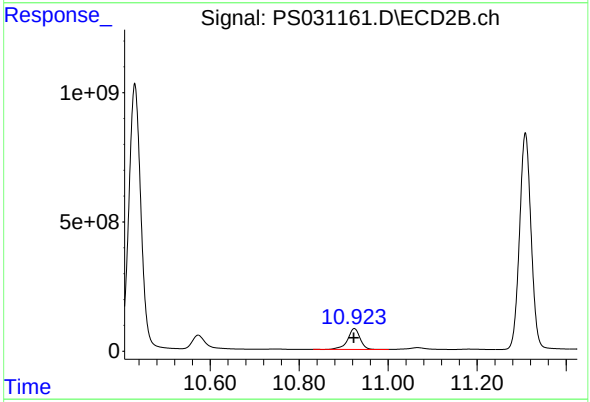
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 18777365882
Conc: 1326.42 ng/ml



#13 2,4-DB

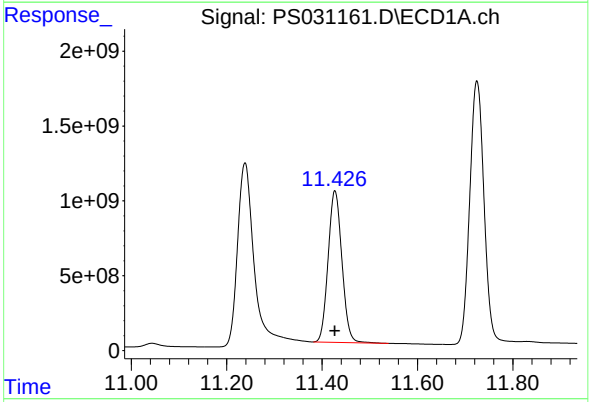
R.T.: 10.212 min
Delta R.T.: 0.000 min
Response: 4222668340
Conc: 1425.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



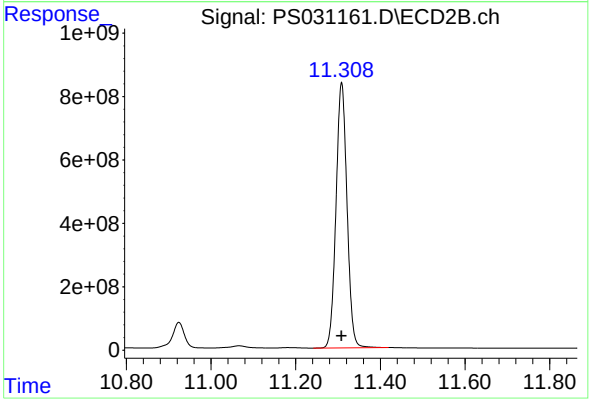
#13 2,4-DB

R.T.: 10.924 min
Delta R.T.: 0.001 min
Response: 1569985429
Conc: 1356.72 ng/ml



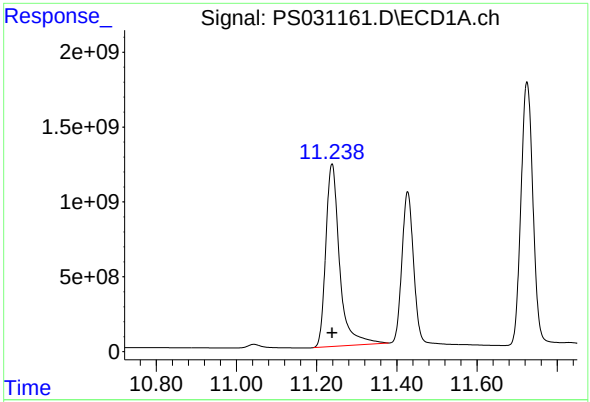
#14 DINOSEB

R.T.: 11.427 min
Delta R.T.: 0.000 min
Response: 20292267926
Conc: 1316.15 ng/ml



#14 DINOSEB

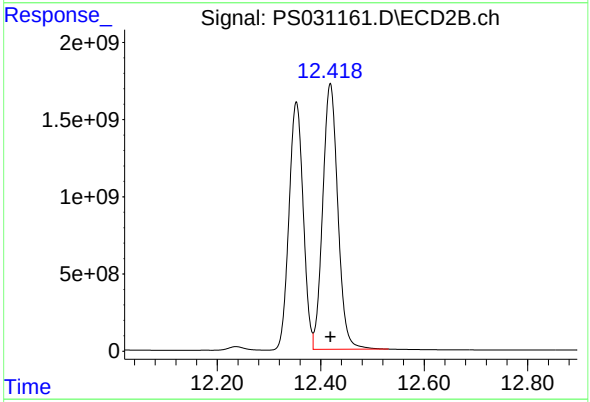
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 15081056737
Conc: 1341.04 ng/ml



#15 Picloram

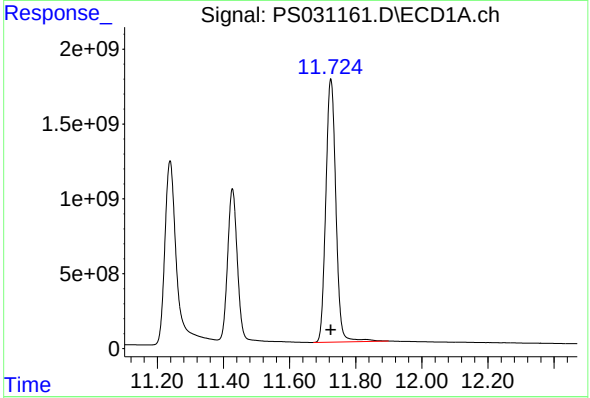
R.T.: 11.238 min
Delta R.T.: 0.000 min
Response: 29336086675
Conc: 1457.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



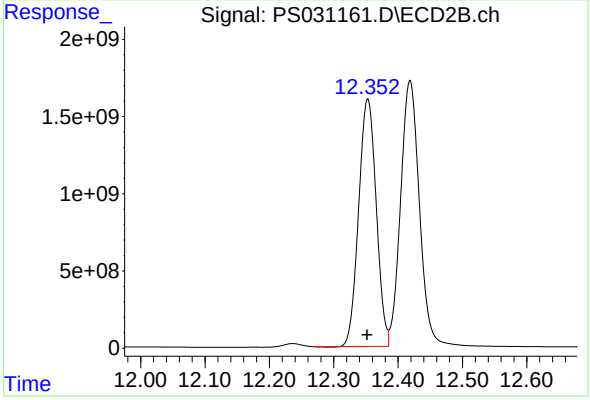
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 34910992404
Conc: 1374.77 ng/ml



#16 DCPA

R.T.: 11.725 min
Delta R.T.: 0.000 min
Response: 37118952405
Conc: 1310.58 ng/ml



#16 DCPA

R.T.: 12.353 min
Delta R.T.: 0.001 min
Response: 30414883255
Conc: 1313.34 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031162.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:03
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS072125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:21:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.325	7.766	3151.9E6	737.7E6	724.866	726.846
	Target Compounds						
1) T	Dalapon	2.689	2.704	4173.3E6	1879.7E6	665.294	662.611
2) T	3,5-DICHL...	6.487	6.713	3720.4E6	1048.9E6	673.648	681.176
3) T	4-Nitroph...	7.124	7.299	1093.9E6	1208.1E6	663.431	667.683
5) T	DICAMBA	7.514	7.968	11383.7E6	4491.4E6	690.051	695.985
6) T	MCPP	7.695	8.067	717.7E6	149.1E6	71.694	71.777
7) T	MCPA	7.845	8.316	870.1E6	218.8E6	69.526	69.334
8) T	DICHLORPROP	8.225	8.688	2575.1E6	1032.5E6	673.767	681.551
9) T	2,4-D	8.457	9.024	2569.4E6	1160.9E6	687.928	683.569
10) T	Pentachlo...	8.764	9.547	40612.6E6	28167.9E6	743.526	720.754
11) T	2,4,5-TP ...	9.342	9.929	15374.0E6	10489.0E6	700.294	704.236
12) T	2,4,5-T	9.636	10.356	13928.3E6	10005.6E6	713.254	703.659
13) T	2,4-DB	10.213	10.924	2126.9E6	808.9E6	711.349	691.028
14) T	DINOSEB	11.428	11.308	10850.3E6	7842.7E6	696.895	693.919
15) T	Picloram	11.238	12.419	14555.0E6	17953.2E6	727.512	721.155
16) T	DCPA	11.724	12.352	20286.6E6	16452.0E6	707.009	714.185

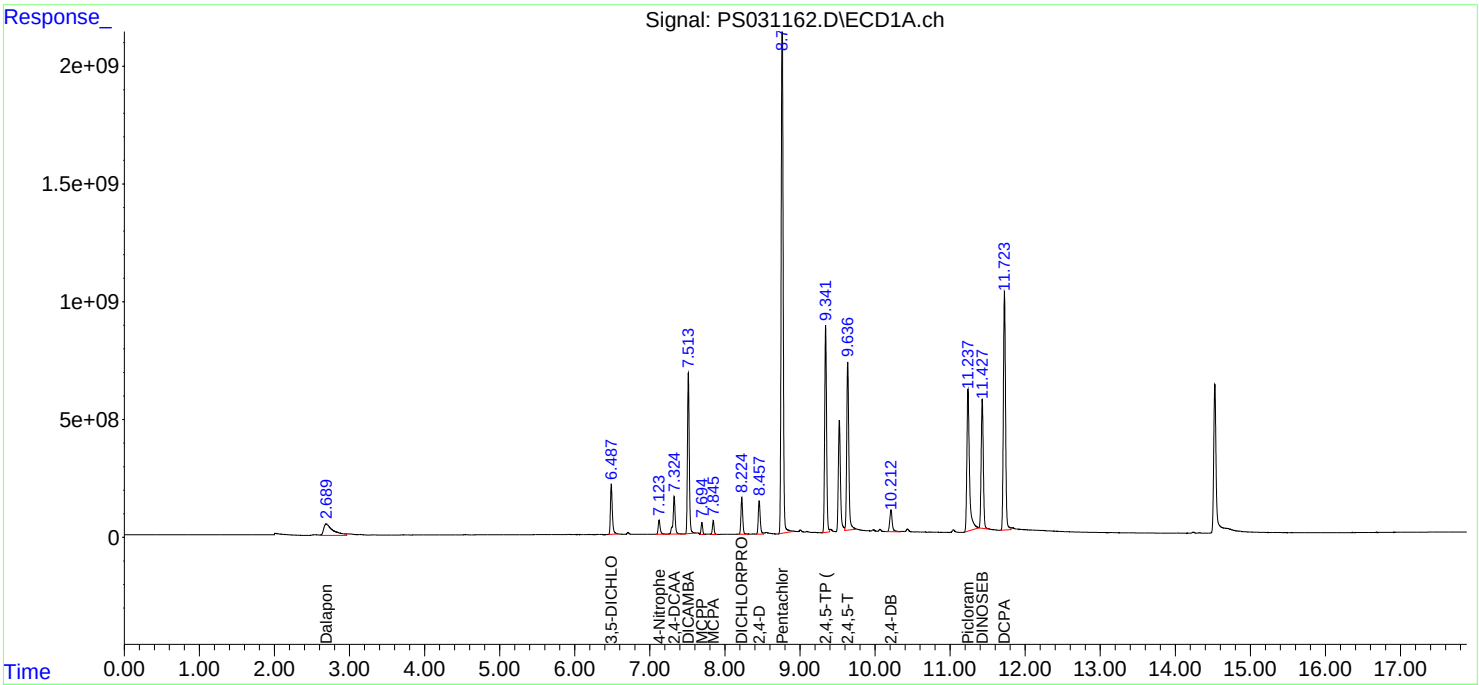
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

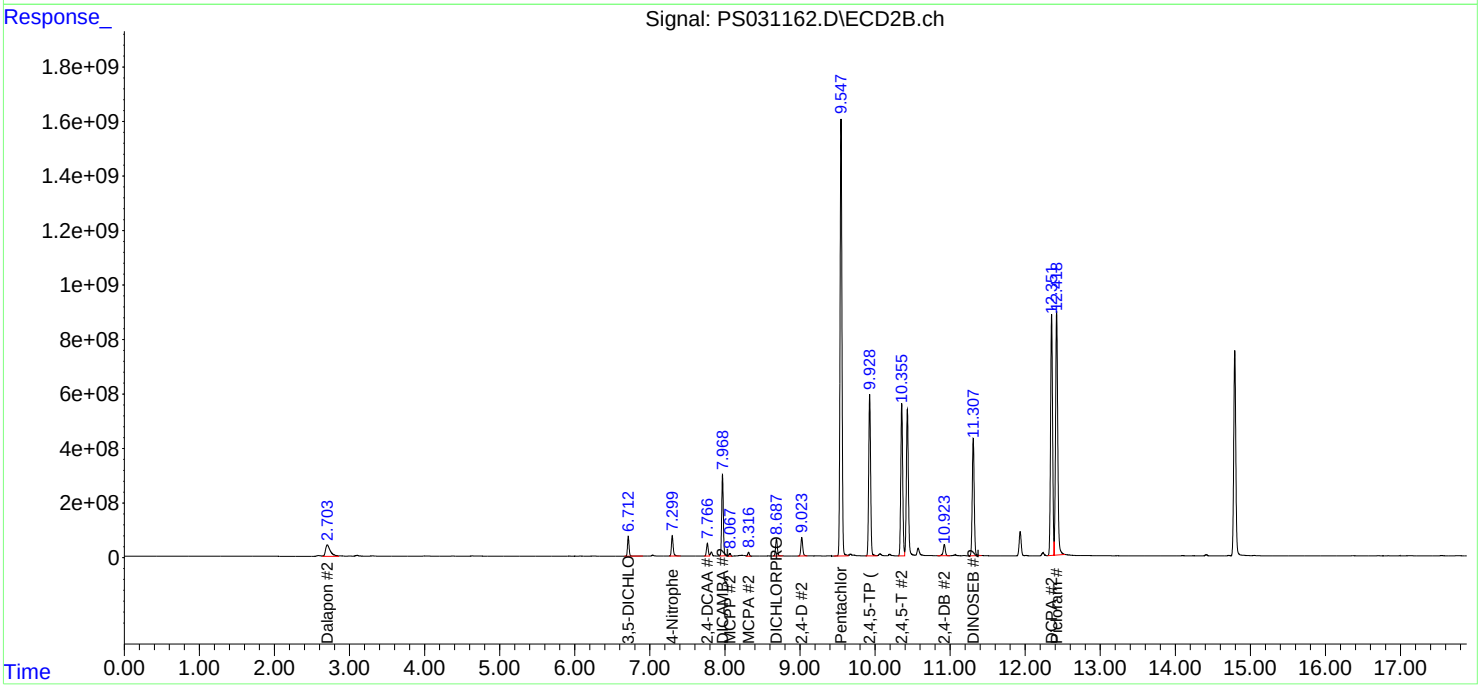
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031162.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:03
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

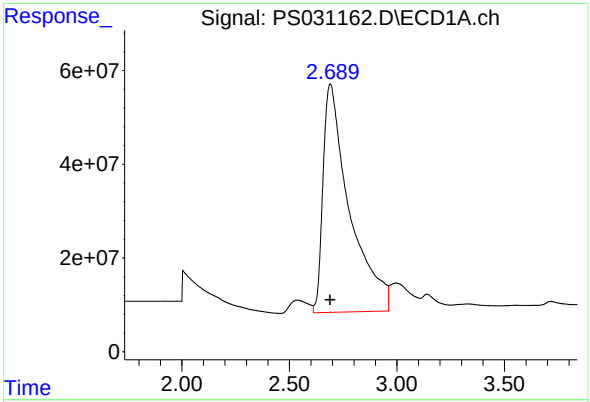
Instrument :
ECD_S
ClientSampleId :
ICVPS072125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:21:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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



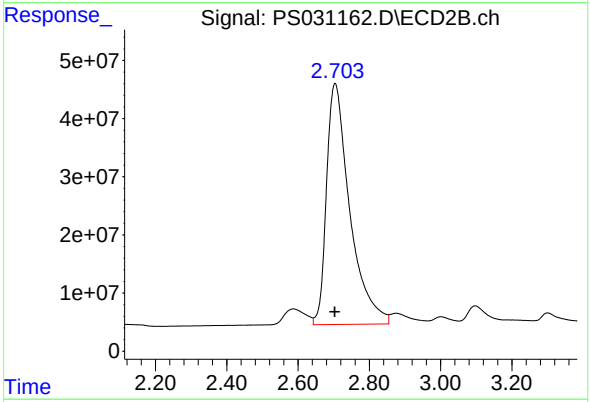




#1 Dalapon

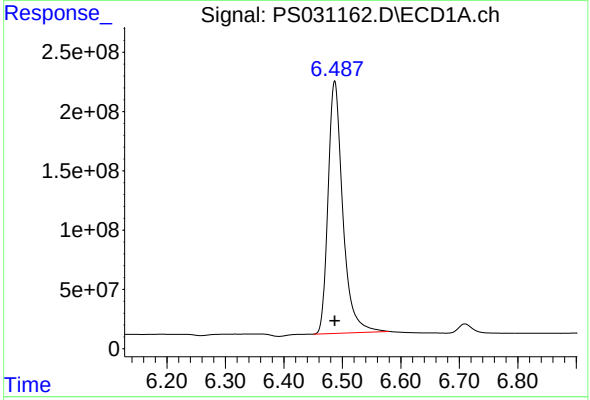
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 4173322568
Conc: 665.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



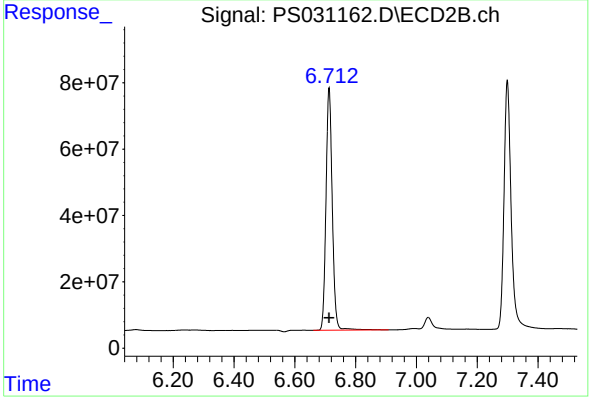
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1879654846
Conc: 662.61 ng/ml



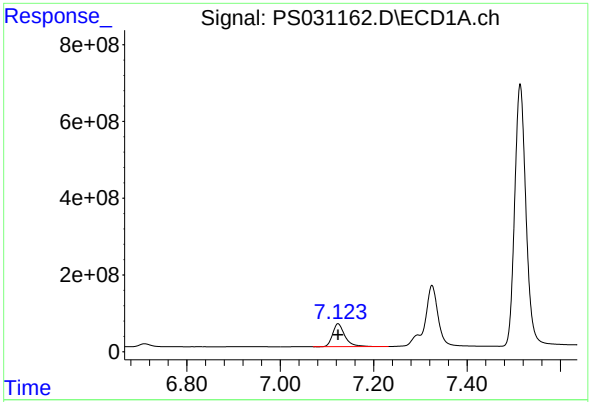
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: 0.000 min
Response: 3720387717
Conc: 673.65 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

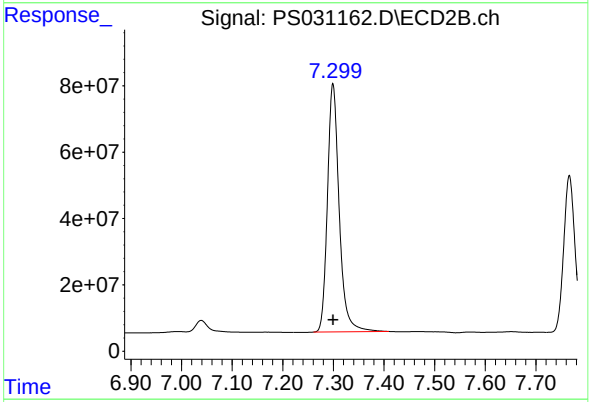
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1048938565
Conc: 681.18 ng/ml



#3 4-Nitrophenol

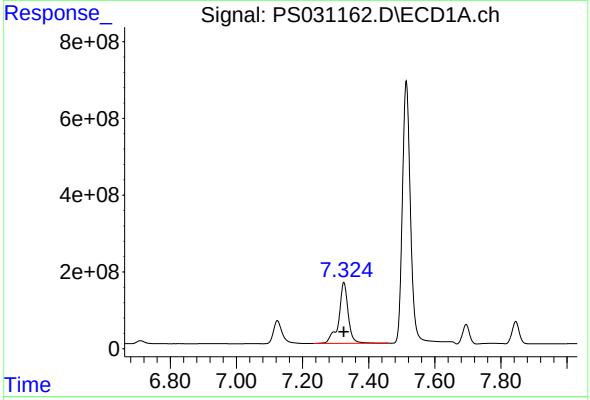
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1093855791
Conc: 663.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



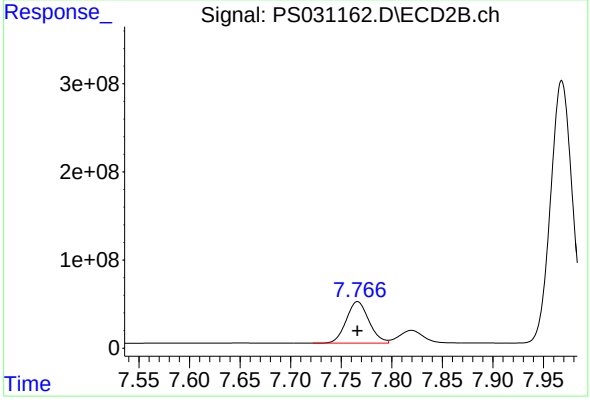
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 1208050076
Conc: 667.68 ng/ml



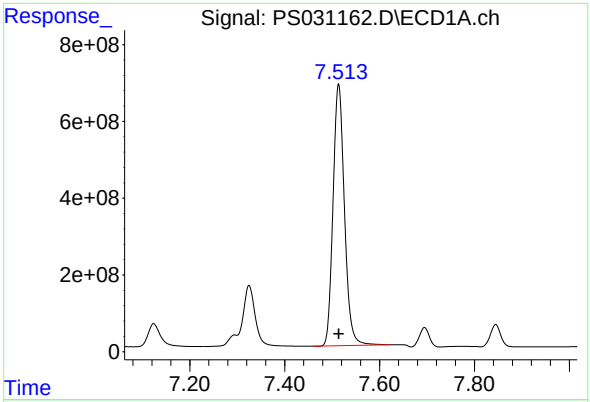
#4 2,4-DCAA

R.T.: 7.325 min
Delta R.T.: 0.000 min
Response: 3151901376
Conc: 724.87 ng/ml



#4 2,4-DCAA

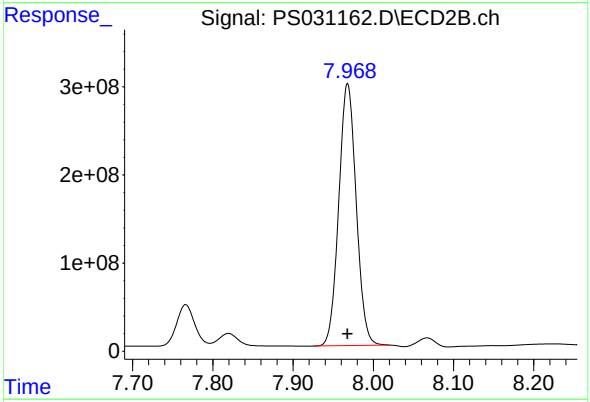
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 737725513
Conc: 726.85 ng/ml



#5 DICAMBA

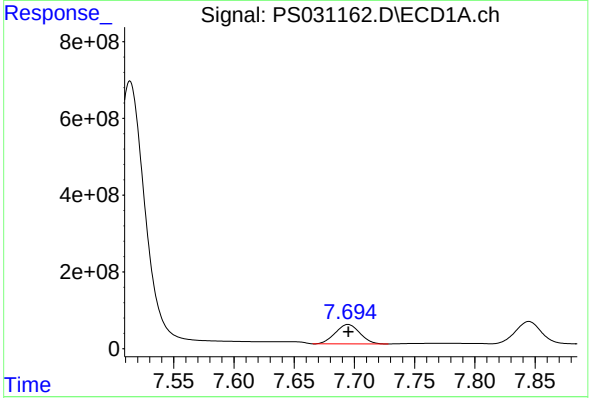
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 11383740526
Conc: 690.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



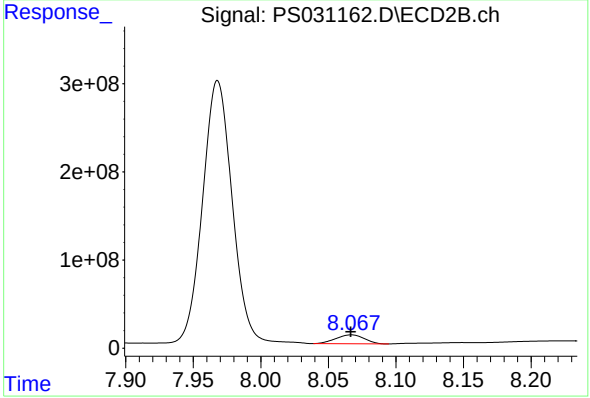
#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 4491448492
Conc: 695.98 ng/ml



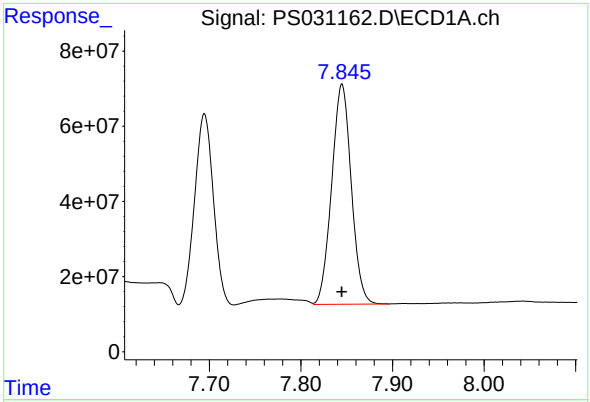
#6 MCPP

R.T.: 7.695 min
Delta R.T.: 0.000 min
Response: 717663366
Conc: 71.69 ug/ml



#6 MCPP

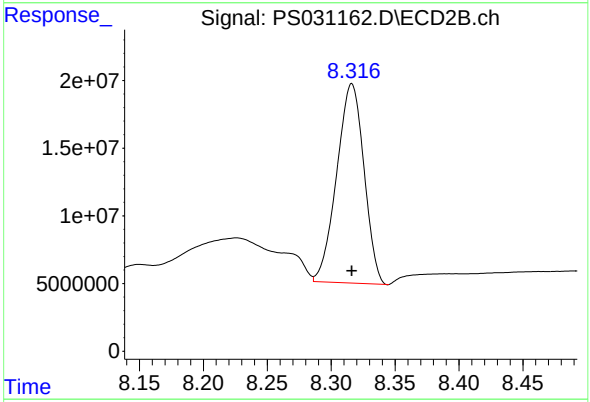
R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 149138351
Conc: 71.78 ug/ml



#7 MCPA

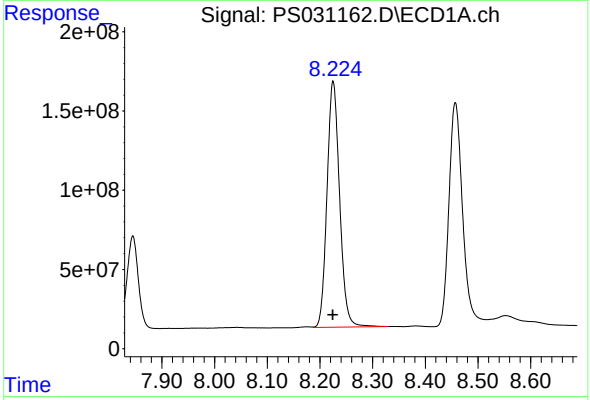
R.T.: 7.845 min
Delta R.T.: 0.000 min
Response: 870067277
Conc: 69.53 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



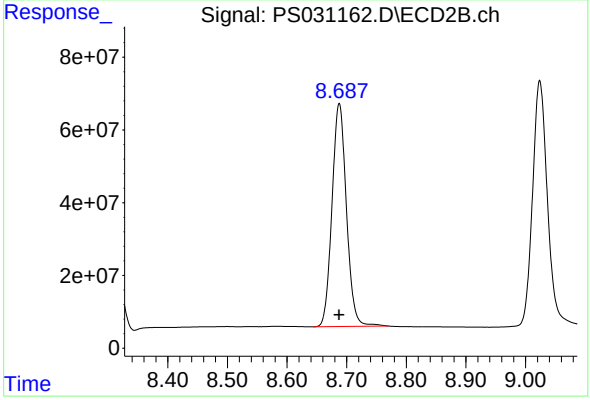
#7 MCPA

R.T.: 8.316 min
Delta R.T.: 0.000 min
Response: 218764232
Conc: 69.33 ug/ml



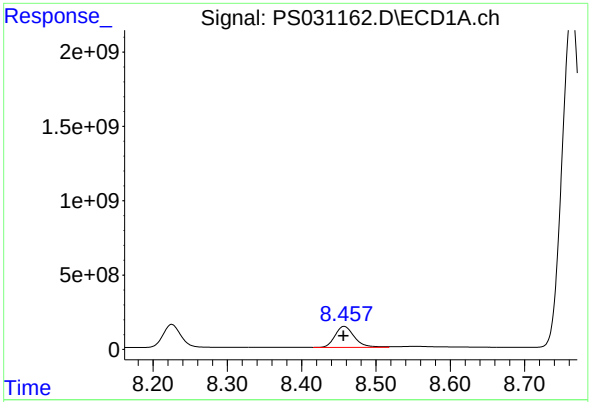
#8 DICHLORPROP

R.T.: 8.225 min
Delta R.T.: 0.000 min
Response: 2575108856
Conc: 673.77 ng/ml



#8 DICHLORPROP

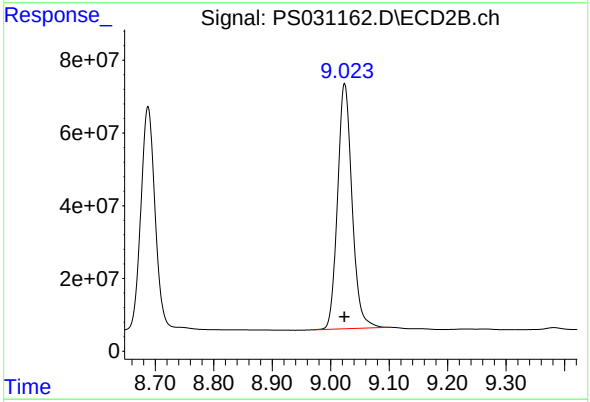
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1032455050
Conc: 681.55 ng/ml



#9 2,4-D

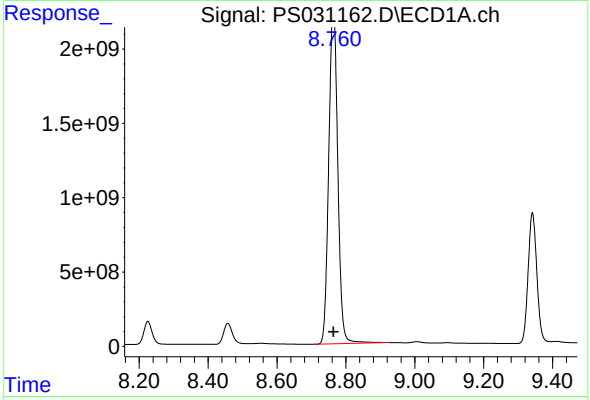
R.T.: 8.457 min
Delta R.T.: 0.000 min
Response: 2569354129
Conc: 687.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



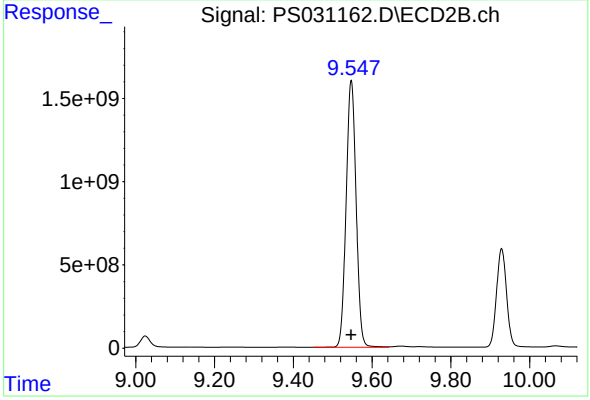
#9 2,4-D

R.T.: 9.024 min
Delta R.T.: 0.000 min
Response: 1160917687
Conc: 683.57 ng/ml



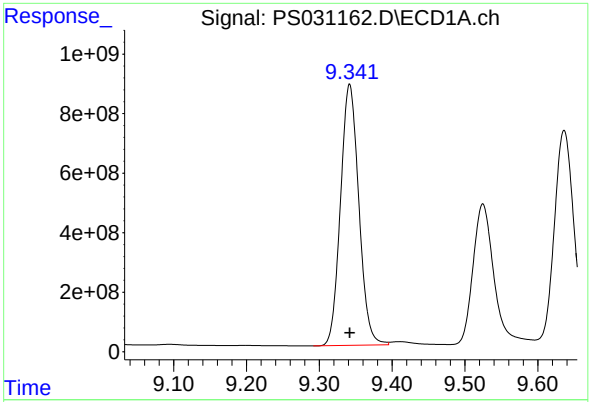
#10 Pentachlorophenol

R.T.: 8.764 min
Delta R.T.: 0.000 min
Response: 40612569802
Conc: 743.53 ng/ml



#10 Pentachlorophenol

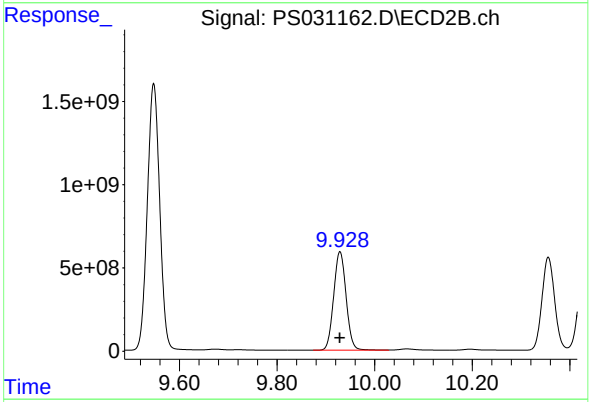
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 28167947869
Conc: 720.75 ng/ml



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

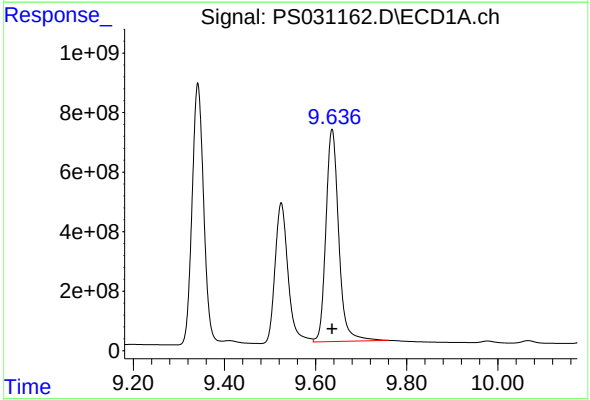
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 15373956822
Conc: 700.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



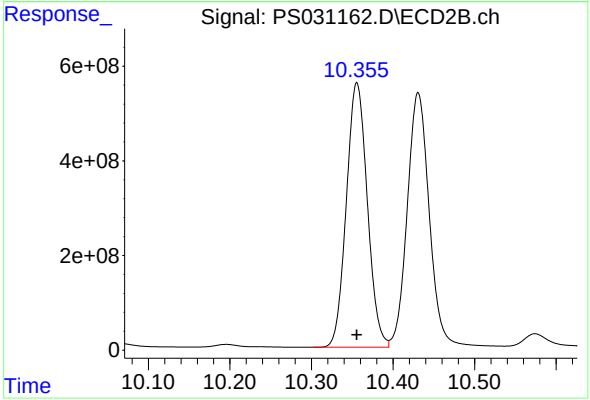
#11 2,4,5-TP (SILVEX)

R.T.: 9.929 min
Delta R.T.: 0.000 min
Response: 10489015418
Conc: 704.24 ng/ml



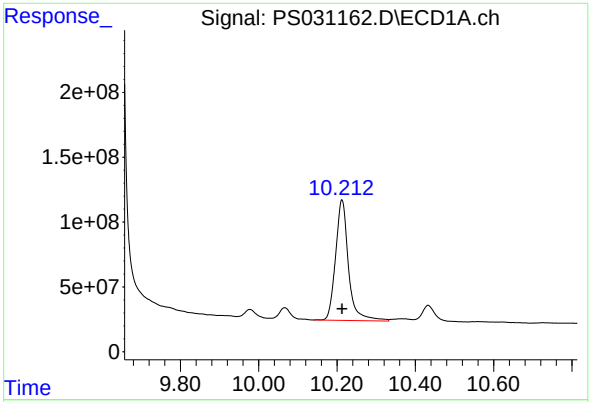
#12 2,4,5-T

R.T.: 9.636 min
Delta R.T.: 0.000 min
Response: 13928273611
Conc: 713.25 ng/ml



#12 2,4,5-T

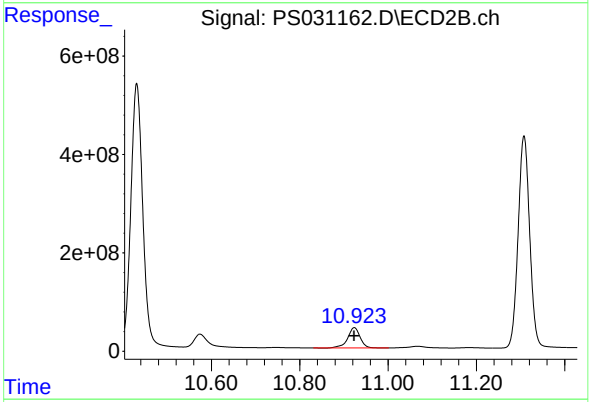
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 10005648557
Conc: 703.66 ng/ml



#13 2,4-DB

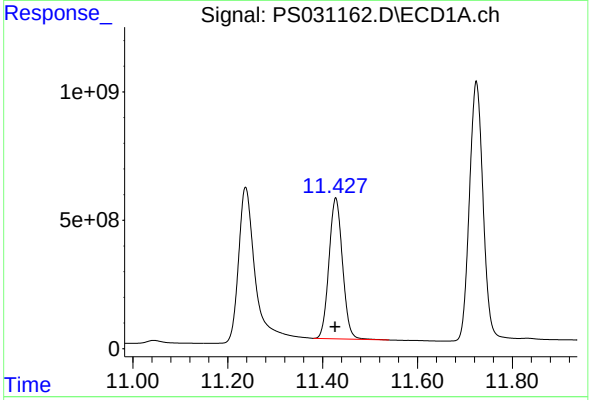
R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 2126850488
Conc: 711.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



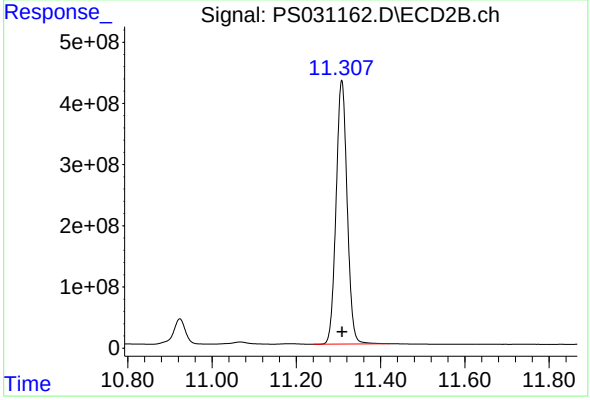
#13 2,4-DB

R.T.: 10.924 min
Delta R.T.: 0.000 min
Response: 808856260
Conc: 691.03 ng/ml



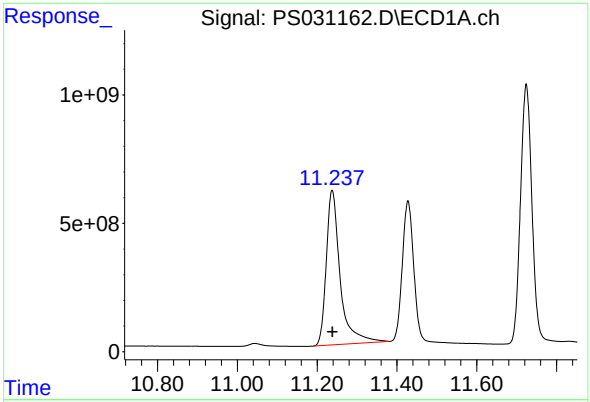
#14 DINOSEB

R.T.: 11.428 min
Delta R.T.: 0.001 min
Response: 10850293217
Conc: 696.89 ng/ml



#14 DINOSEB

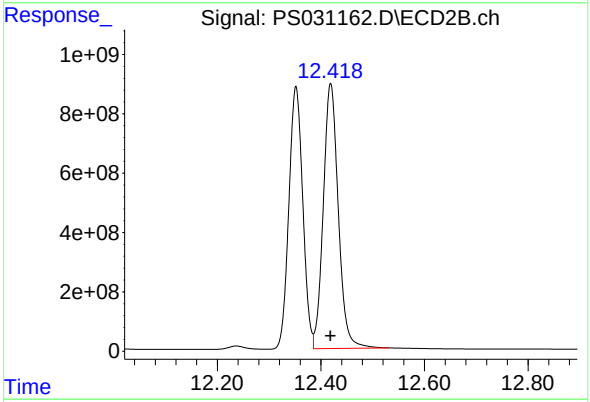
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 7842727860
Conc: 693.92 ng/ml



#15 Picloram

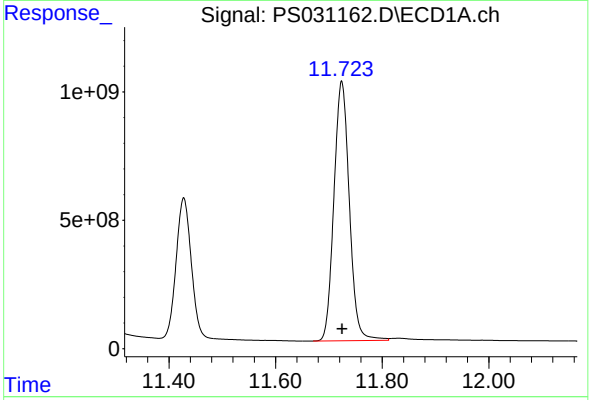
R.T.: 11.238 min
Delta R.T.: 0.000 min
Response: 14555030992
Conc: 727.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



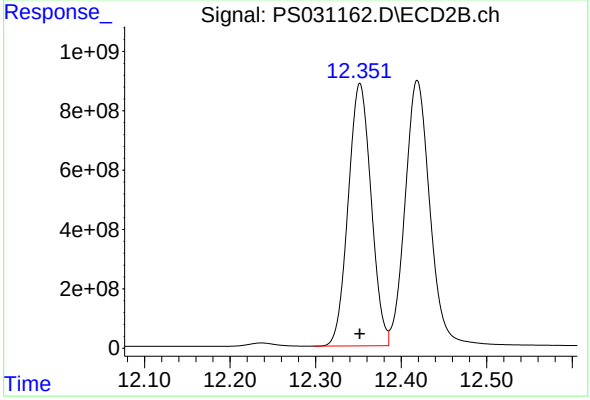
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 17953179799
Conc: 721.15 ng/ml



#16 DCPA

R.T.: 11.724 min
Delta R.T.: 0.000 min
Response: 20286550952
Conc: 707.01 ng/ml



#16 DCPA

R.T.: 12.352 min
Delta R.T.: 0.000 min
Response: 16451986600
Conc: 714.18 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 16:34 **Initial Calibration Time(s):** 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.52	7.52	7.42	7.62	0.00
2,4-DCAA	7.33	7.33	7.23	7.43	0.00
Dalapon	2.70	2.70	2.60	2.80	0.01
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.47	8.47	8.37	8.57	0.00
2,4,5-TP(Silvex)	9.35	9.35	9.25	9.45	0.00
2,4,5-T	9.65	9.65	9.55	9.75	0.00
2,4-DB	10.22	10.23	10.13	10.33	0.01
Dinoseb	11.44	11.44	11.34	11.54	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 16:34 **Initial Calibration Time(s):** 16:00 17:36

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	2.70	2.71	2.61	2.81	0.01
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	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	10.92	10.93	10.83	11.03	0.01
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

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/14/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031022.D **Time Analyzed:** 16:34

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.646	9.547	9.747	783.010	712.500	9.9
2,4,5-TP(Silvex)	9.351	9.253	9.453	715.530	712.500	0.4
2,4-D	8.466	8.367	8.567	745.710	705.000	5.8
2,4-DB	10.223	10.125	10.325	830.760	712.500	16.6
2,4-DCAA	7.332	7.233	7.433	695.670	750.000	-7.2
Dalapon	2.695	2.598	2.798	613.180	682.500	-10.2
DICAMBA	7.521	7.422	7.622	650.910	705.000	-7.7
DICHLORPROP	8.234	8.135	8.335	655.790	705.000	-7.0
Dinoseb	11.440	11.339	11.539	724.700	705.000	2.8

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/14/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031022.D **Time Analyzed:** 16:34

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.356	10.258	10.458	620.360	712.500	-12.9
2,4,5-TP(Silvex)	9.929	9.832	10.032	618.290	712.500	-13.2
2,4-D	9.024	8.927	9.127	599.860	705.000	-14.9
2,4-DB	10.924	10.826	11.026	610.180	712.500	-14.4
2,4-DCAA	7.766	7.669	7.869	627.630	750.000	-16.3
Dalapon	2.703	2.608	2.808	580.910	682.500	-14.9
DICAMBA	7.968	7.871	8.071	603.010	705.000	-14.5
DICHLORPROP	8.688	8.591	8.791	597.240	705.000	-15.3
Dinoseb	11.308	11.210	11.410	608.040	705.000	-13.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 16:34
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:30:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.332	7.766	2751.4E6	650.2E6	695.675	627.629
	Target Compounds						
1) T	Dalapon	2.695	2.703	3735.3E6	1651.5E6	613.182	580.913
2) T	3,5-DICHL...	6.493	6.712	3350.4E6	901.4E6	639.553	581.421
3) T	4-Nitroph...	7.132	7.299	966.6E6	1034.6E6	716.015	593.246
5) T	DICAMBA	7.521	7.968	10213.4E6	3905.4E6	650.911	603.011
6) T	MCPP	7.702	8.066	605.0E6	132.1E6	65.747	61.782
7) T	MCPA	7.852	8.315	734.9E6	192.9E6	67.384	60.178
8) T	DICHLORPROP	8.234	8.688	2233.1E6	907.4E6	655.794	597.242
9) T	2,4-D	8.466	9.024	2295.6E6	1019.4E6	745.712	599.861
10) T	Pentachlo...	8.773	9.548	35362.2E6	24395.8E6	703.564	633.082
11) T	2,4,5-TP ...	9.351	9.929	13316.6E6	9073.9E6	715.531	618.288
12) T	2,4,5-T	9.646	10.356	11912.2E6	8679.9E6	783.012	620.357
13) T	2,4-DB	10.223	10.924	1803.4E6	721.9E6	830.761	610.176 #
14) T	DINOSEB	11.440	11.308	9554.3E6	6902.2E6	724.696	608.041
15) T	Picloram	11.251	12.419	12460.1E6	15508.2E6	855.075m	660.468
16) T	DCPA	11.737	12.352	17794.4E6	14170.0E6	743.379	628.326

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

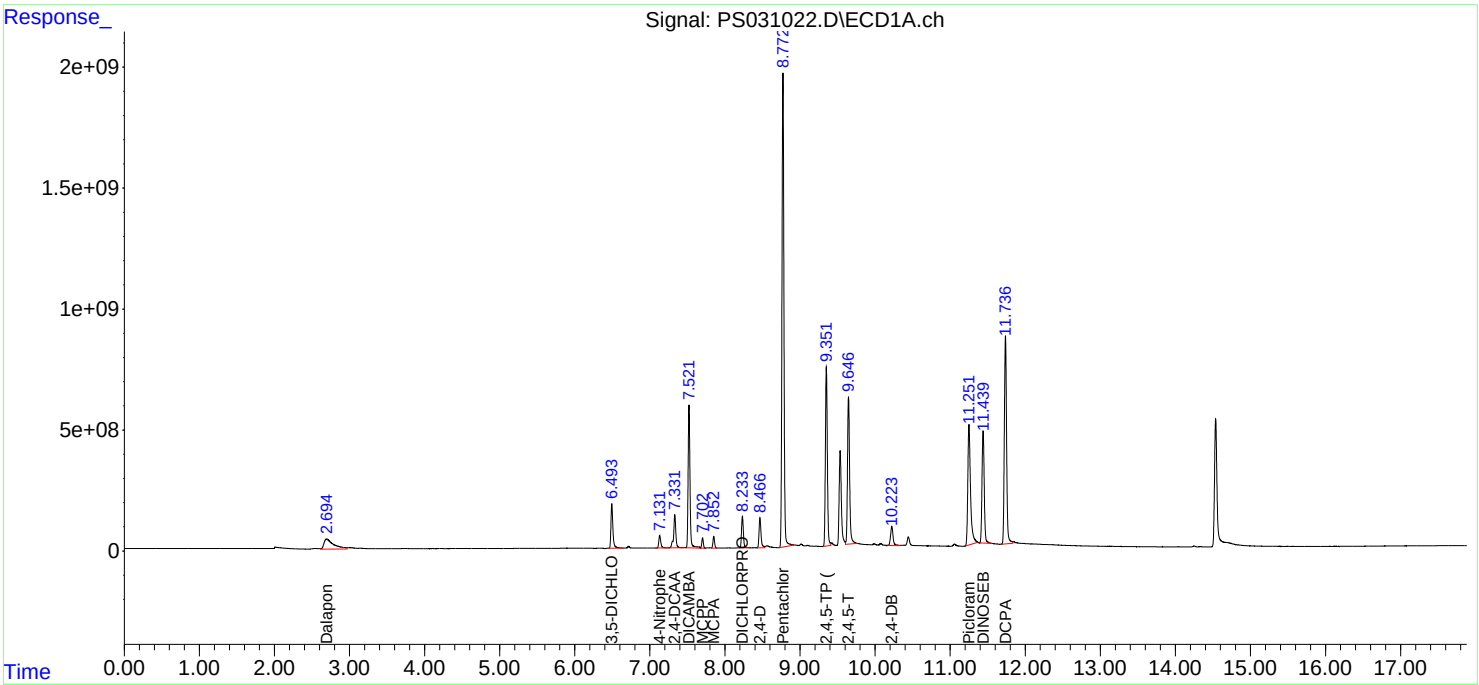
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 16:34
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

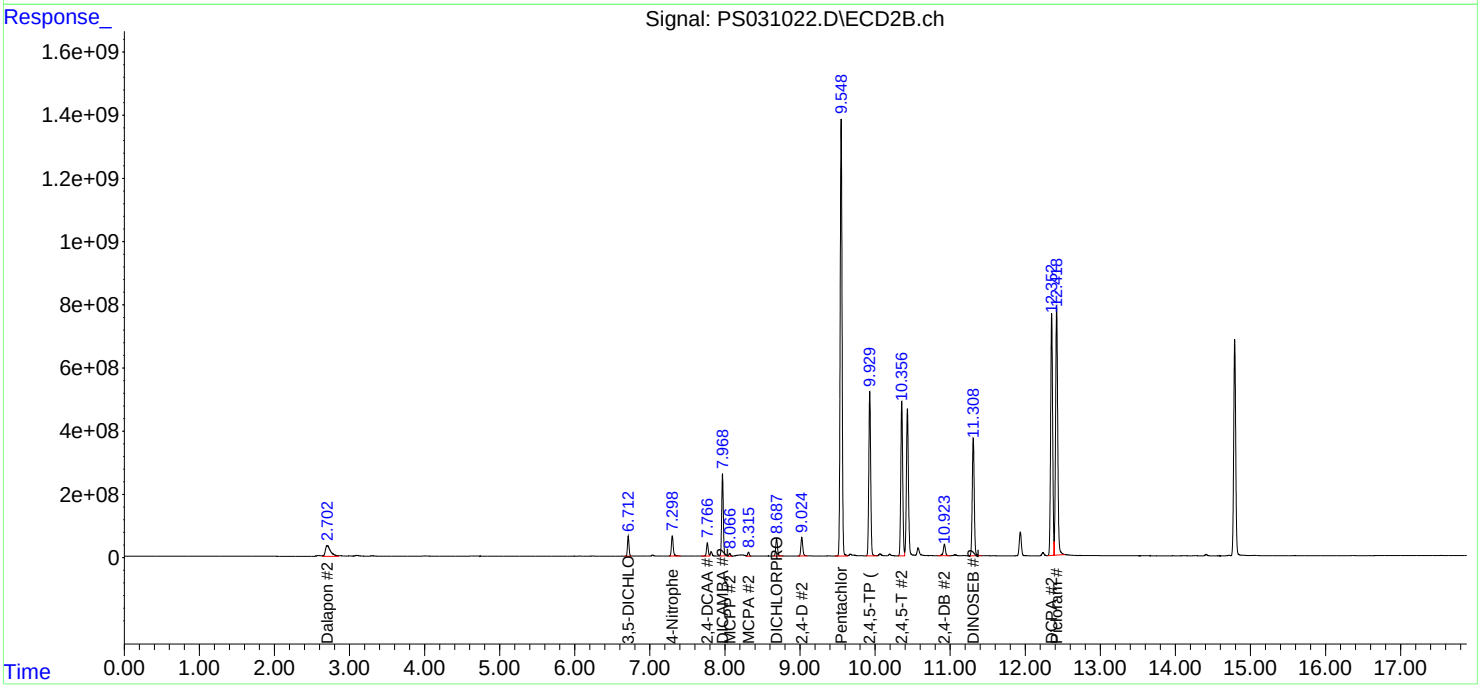
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

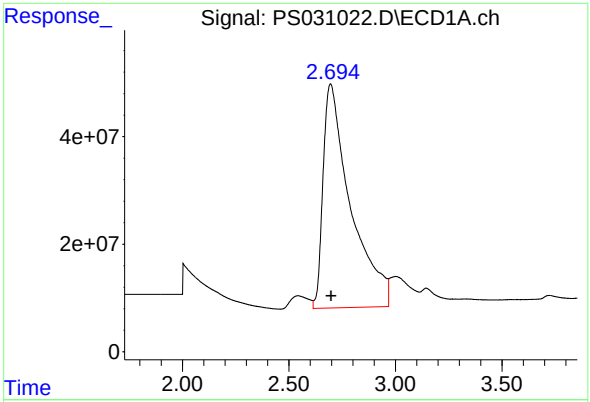
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:30:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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







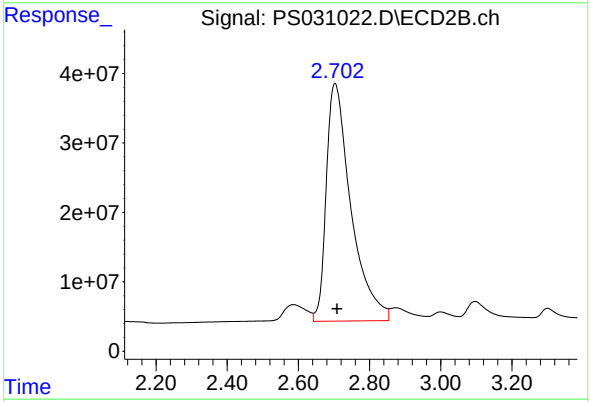
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: -0.003 min
Response: 3735332953
Conc: 613.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

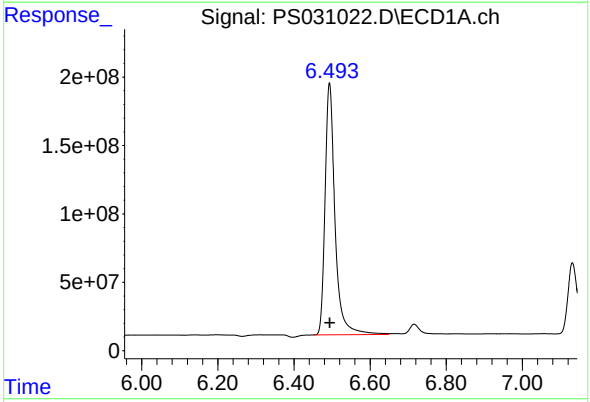
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



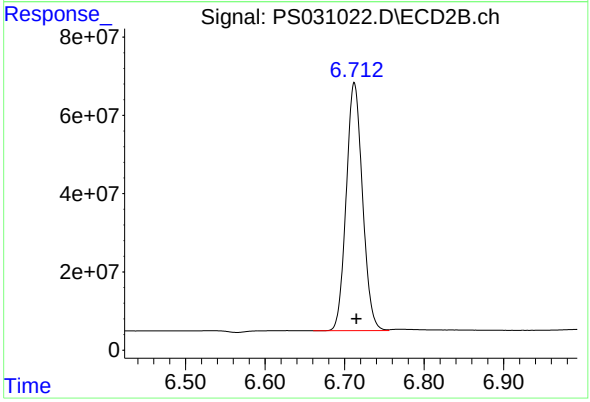
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: -0.006 min
Response: 1651454255
Conc: 580.91 ng/ml



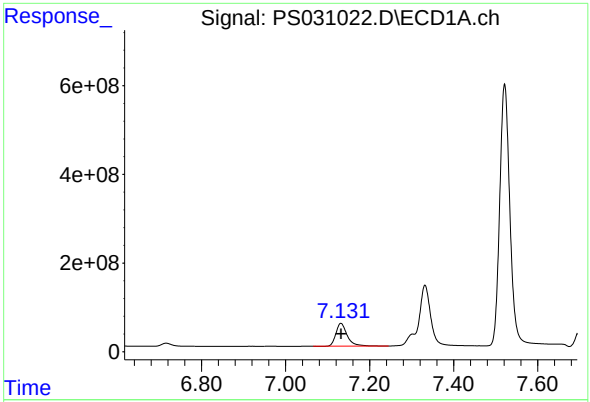
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 3350360627
Conc: 639.55 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.712 min
Delta R.T.: -0.003 min
Response: 901398193
Conc: 581.42 ng/ml



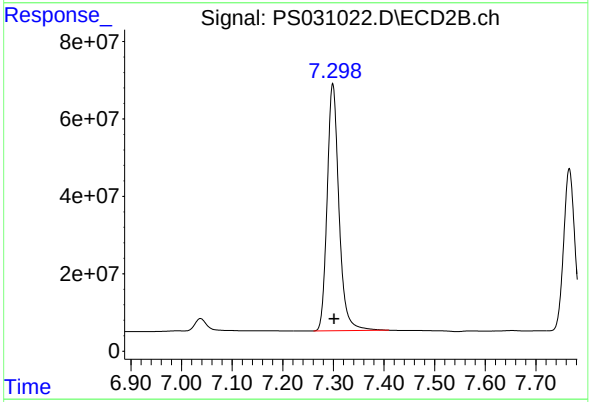
#3 4-Nitrophenol

R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 966626237
Conc: 716.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

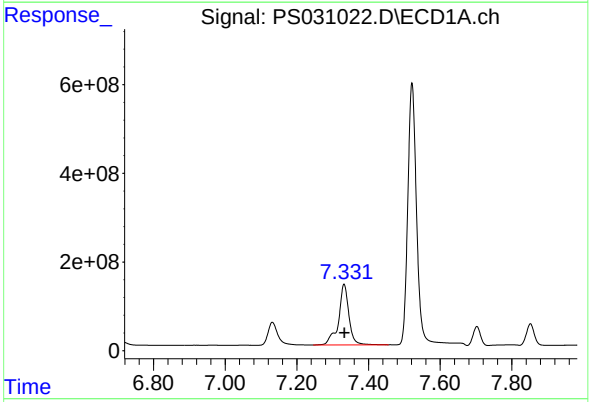
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



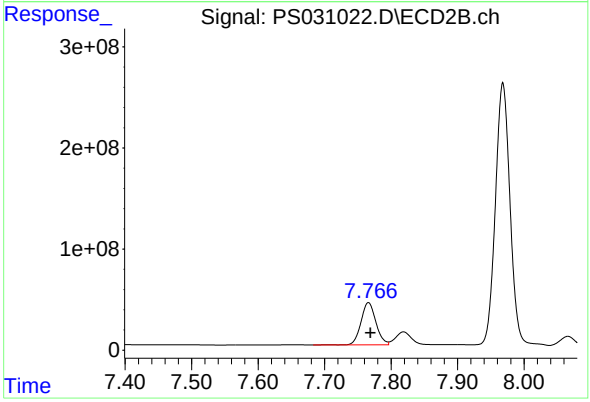
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.002 min
Response: 1034555125
Conc: 593.25 ng/ml



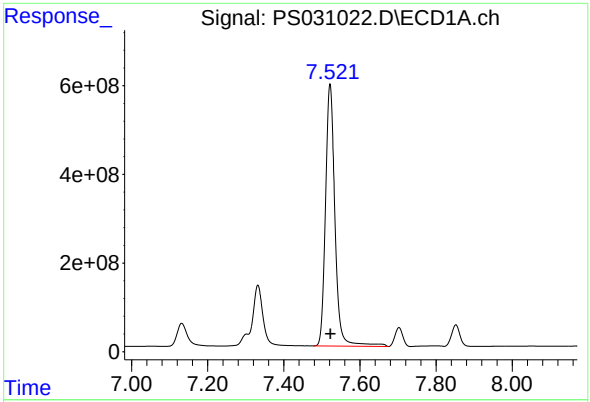
#4 2,4-DCAA

R.T.: 7.332 min
Delta R.T.: -0.001 min
Response: 2751445074
Conc: 695.67 ng/ml



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.003 min
Response: 650244468
Conc: 627.63 ng/ml



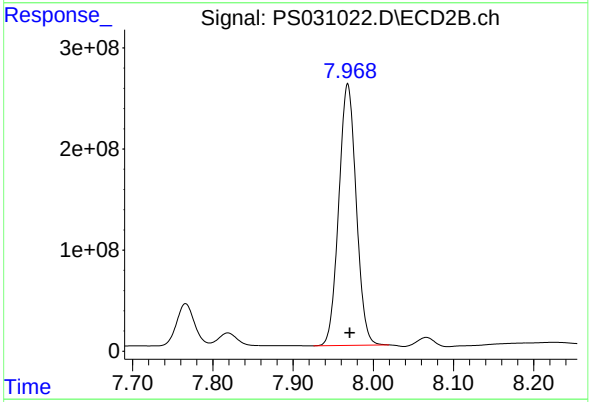
#5 DICAMBA

R.T.: 7.521 min
Delta R.T.: -0.001 min
Response: 10213394698
Conc: 650.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

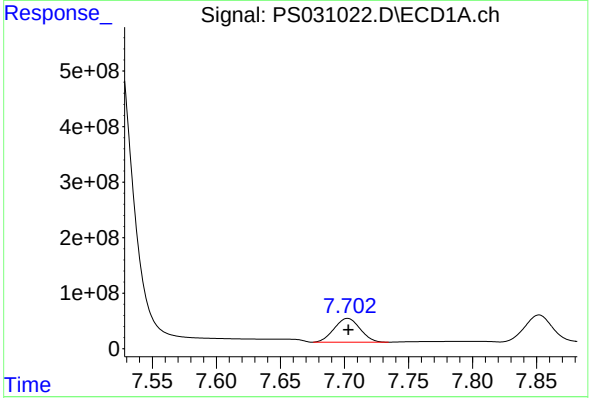
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



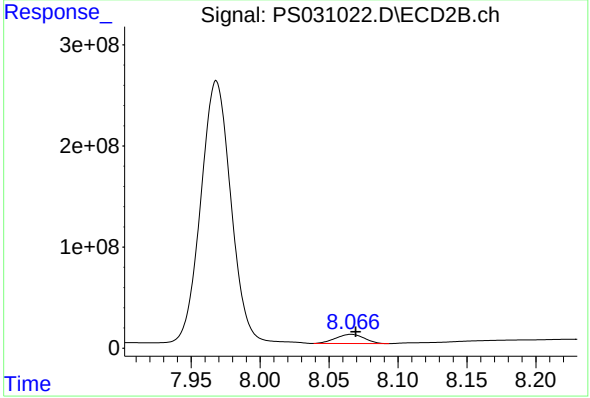
#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: -0.002 min
Response: 3905350393
Conc: 603.01 ng/ml



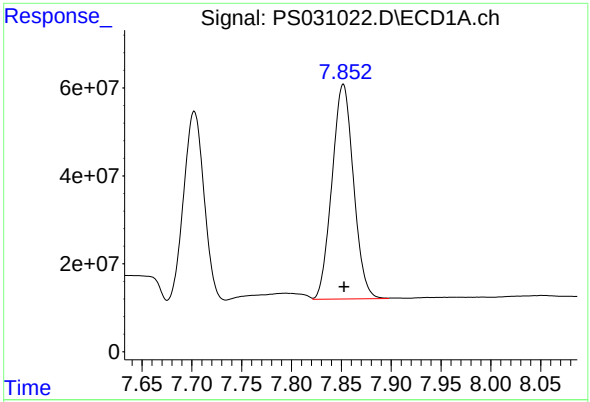
#6 MCPP

R.T.: 7.702 min
Delta R.T.: 0.000 min
Response: 604955103
Conc: 65.75 ug/ml



#6 MCPP

R.T.: 8.066 min
Delta R.T.: -0.003 min
Response: 132086284
Conc: 61.78 ug/ml



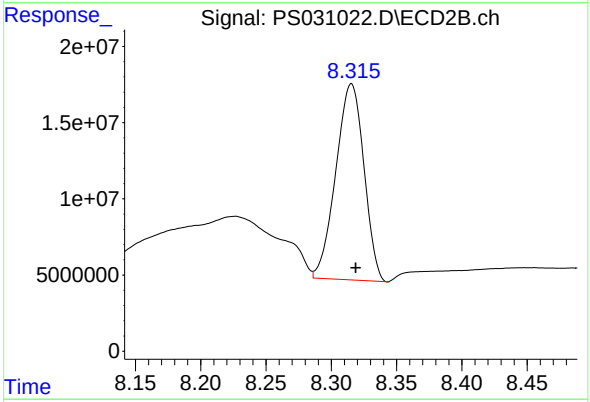
#7 MCPA

R.T.: 7.852 min
Delta R.T.: 0.000 min
Response: 734940064
Conc: 67.38 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

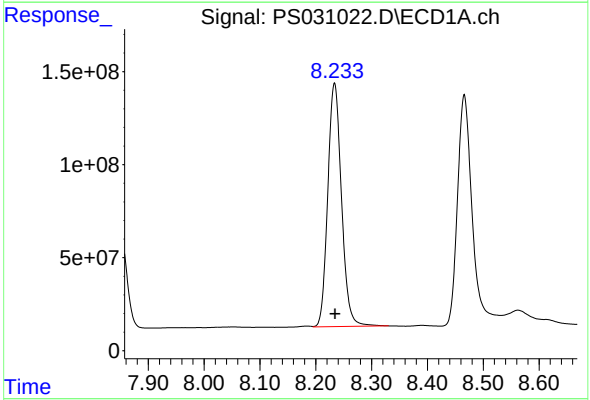
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



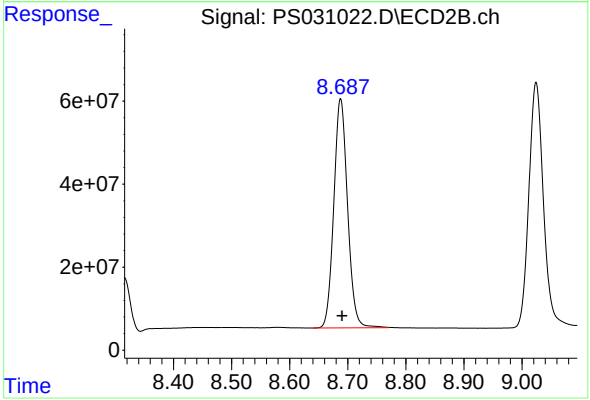
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.004 min
Response: 192911816
Conc: 60.18 ug/ml



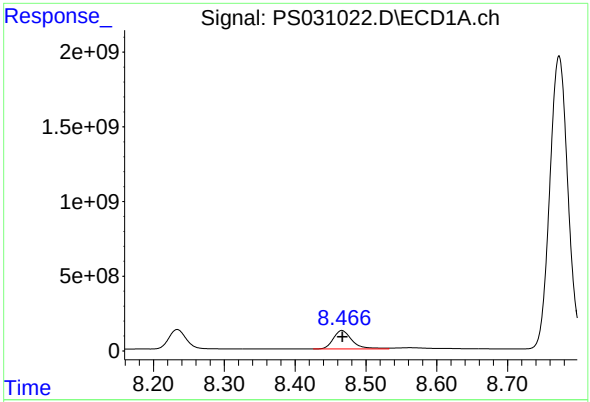
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: -0.001 min
Response: 2233080248
Conc: 655.79 ng/ml



#8 DICHLORPROP

R.T.: 8.688 min
Delta R.T.: -0.003 min
Response: 907366001
Conc: 597.24 ng/ml



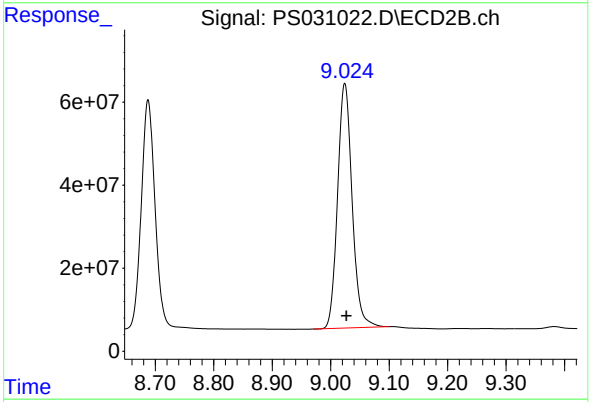
#9 2,4-D

R.T.: 8.466 min
Delta R.T.: 0.000 min
Response: 2295625289
Conc: 745.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

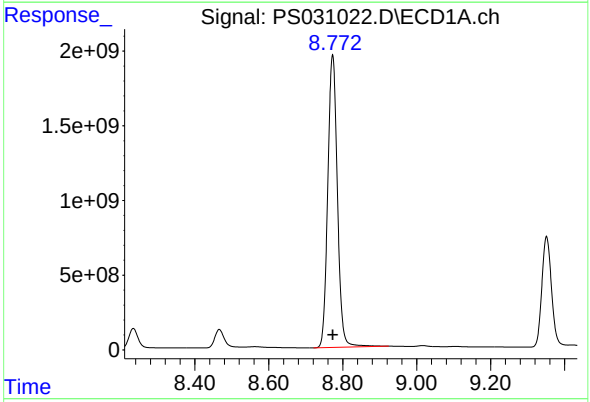
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



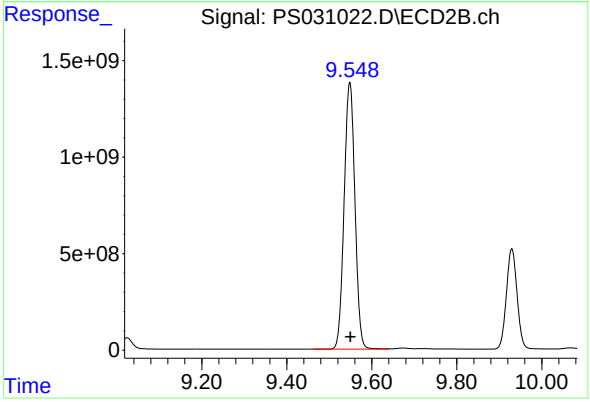
#9 2,4-D

R.T.: 9.024 min
Delta R.T.: -0.003 min
Response: 1019442496
Conc: 599.86 ng/ml



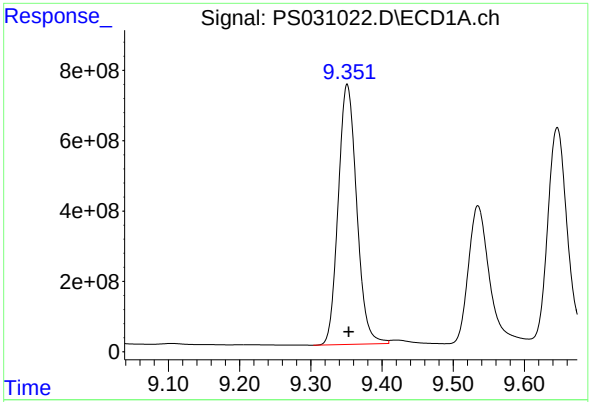
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 35362207777
Conc: 703.56 ng/ml



#10 Pentachlorophenol

R.T.: 9.548 min
Delta R.T.: -0.002 min
Response: 24395846713
Conc: 633.08 ng/ml



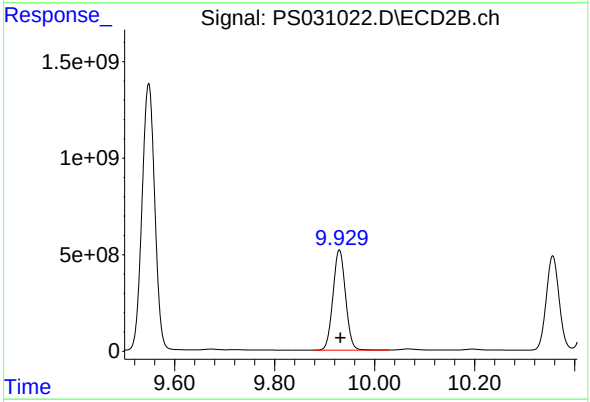
#11 2,4,5-TP (SILVEX)

R.T.: 9.351 min
Delta R.T.: -0.002 min
Response: 13316563217
Conc: 715.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

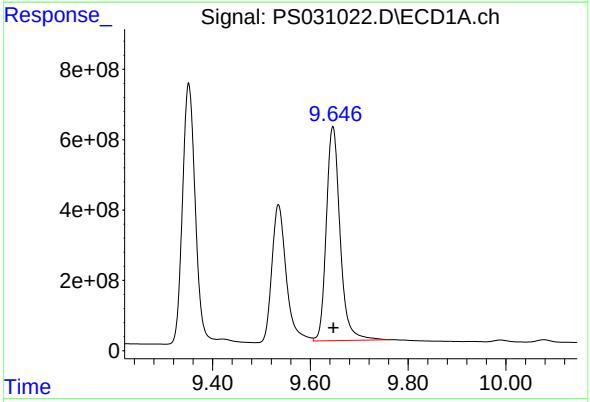
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



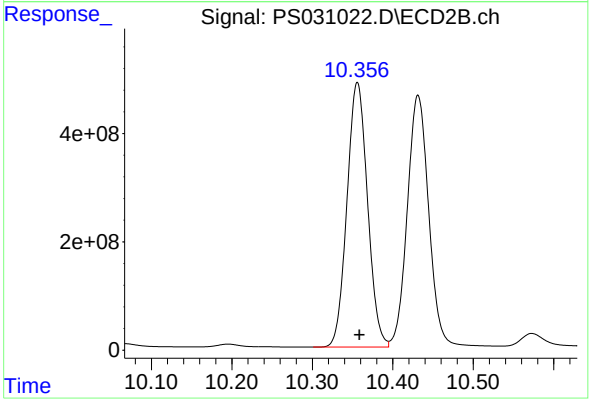
#11 2,4,5-TP (SILVEX)

R.T.: 9.929 min
Delta R.T.: -0.002 min
Response: 9073860524
Conc: 618.29 ng/ml



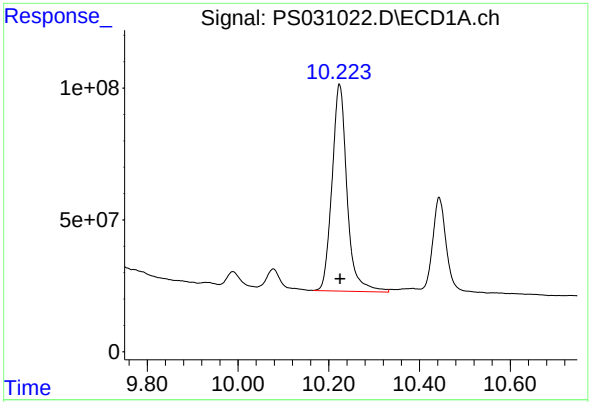
#12 2,4,5-T

R.T.: 9.646 min
Delta R.T.: 0.000 min
Response: 11912209396
Conc: 783.01 ng/ml



#12 2,4,5-T

R.T.: 10.356 min
Delta R.T.: -0.002 min
Response: 8679916173
Conc: 620.36 ng/ml



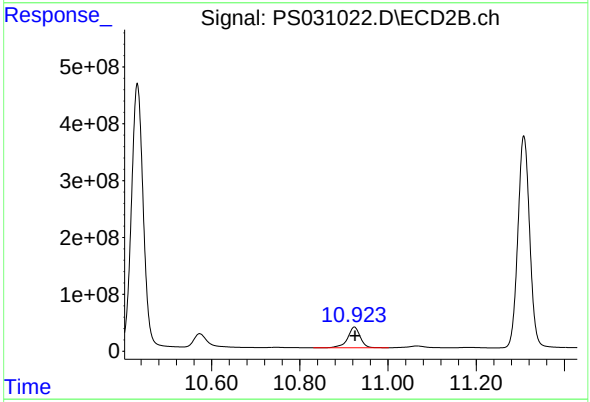
#13 2,4-DB

R.T.: 10.223 min
Delta R.T.: -0.001 min
Response: 1803408257
Conc: 830.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

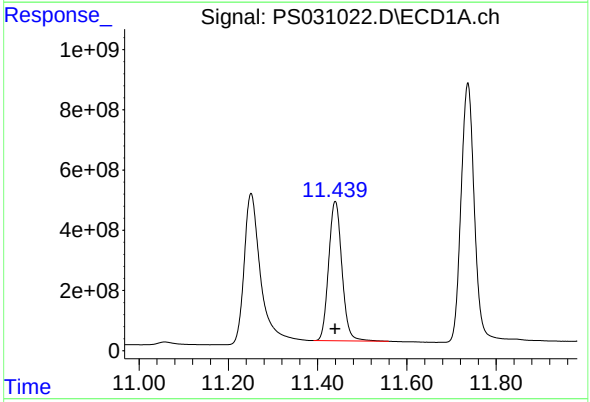
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



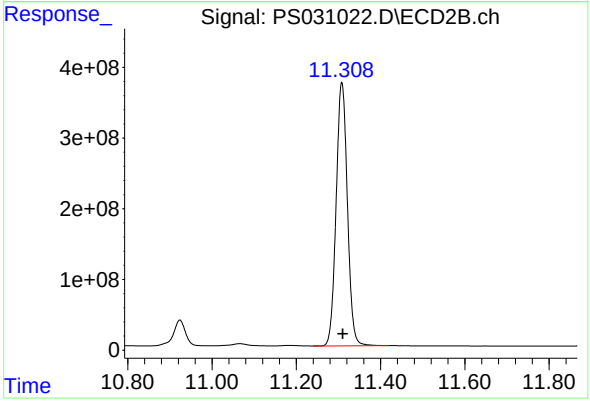
#13 2,4-DB

R.T.: 10.924 min
Delta R.T.: -0.002 min
Response: 721949724
Conc: 610.18 ng/ml



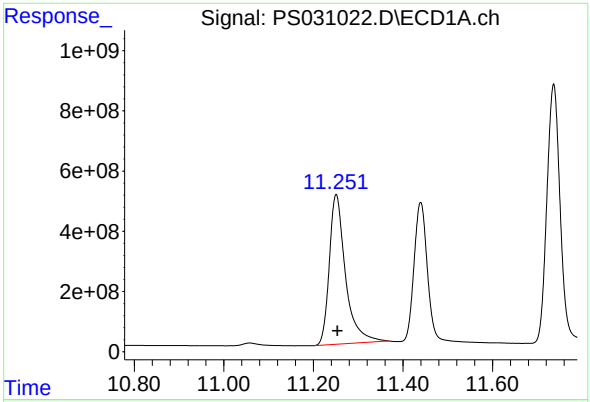
#14 DINOSEB

R.T.: 11.440 min
Delta R.T.: 0.000 min
Response: 9554328242
Conc: 724.70 ng/ml



#14 DINOSEB

R.T.: 11.308 min
Delta R.T.: -0.002 min
Response: 6902186225
Conc: 608.04 ng/ml



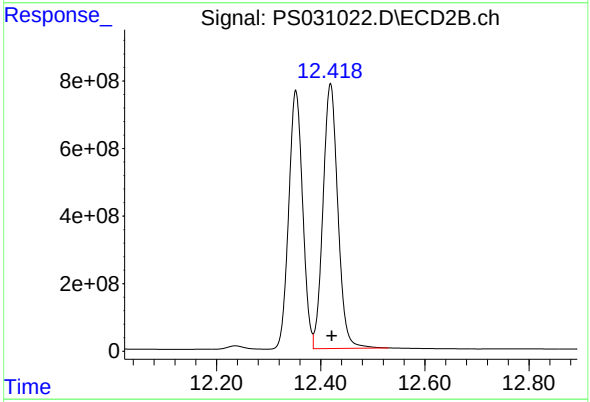
#15 Picloram

R.T.: 11.251 min
Delta R.T.: -0.003 min
Response: 12460115825
Conc: 855.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

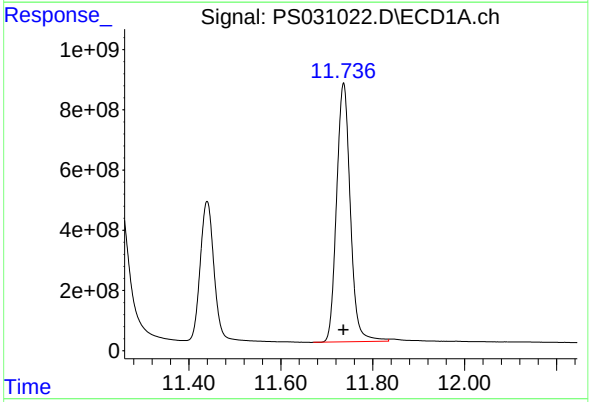
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



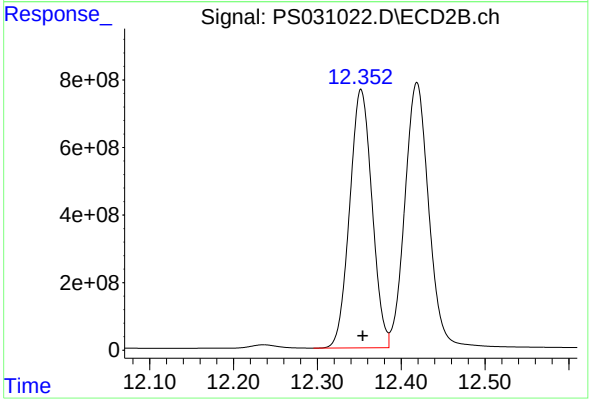
#15 Picloram

R.T.: 12.419 min
Delta R.T.: -0.003 min
Response: 15508235251
Conc: 660.47 ng/ml



#16 DCPA

R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 17794403481
Conc: 743.38 ng/ml



#16 DCPA

R.T.: 12.352 min
Delta R.T.: -0.002 min
Response: 14169989528
Conc: 628.33 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 21:09 **Initial Calibration Time(s):** 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.52	7.52	7.42	7.62	0.00
2,4-DCAA	7.33	7.33	7.23	7.43	0.00
Dalapon	2.70	2.70	2.60	2.80	0.01
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.47	8.47	8.37	8.57	0.00
2,4,5-TP(Silvex)	9.35	9.35	9.25	9.45	0.00
2,4,5-T	9.64	9.65	9.55	9.75	0.01
2,4-DB	10.22	10.23	10.13	10.33	0.01
Dinoseb	11.44	11.44	11.34	11.54	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/14/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 21:09 **Initial Calibration Time(s):** 16:00 17:36

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

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/14/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031028.D **Time Analyzed:** 21:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.644	9.547	9.747	779.770	712.500	9.4
2,4,5-TP(Silvex)	9.350	9.253	9.453	713.000	712.500	0.1
2,4-D	8.465	8.367	8.567	718.070	705.000	1.9
2,4-DB	10.221	10.125	10.325	828.510	712.500	16.3
2,4-DCAA	7.331	7.233	7.433	615.310	750.000	-18.0
Dalapon	2.695	2.598	2.798	592.860	682.500	-13.1
DICAMBA	7.520	7.422	7.622	637.220	705.000	-9.6
DICHLORPROP	8.232	8.135	8.335	653.380	705.000	-7.3
Dinoseb	11.436	11.339	11.539	719.910	705.000	2.1

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/14/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031028.D **Time Analyzed:** 21:09

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	625.920	712.500	-12.2
2,4,5-TP(Silvex)	9.932	9.832	10.032	624.030	712.500	-12.4
2,4-D	9.027	8.927	9.127	604.190	705.000	-14.3
2,4-DB	10.926	10.826	11.026	615.440	712.500	-13.6
2,4-DCAA	7.768	7.669	7.869	636.340	750.000	-15.2
Dalapon	2.706	2.608	2.808	581.140	682.500	-14.9
DICAMBA	7.971	7.871	8.071	608.800	705.000	-13.6
DICHLORPROP	8.691	8.591	8.791	602.040	705.000	-14.6
Dinoseb	11.311	11.210	11.410	610.300	705.000	-13.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 21:09
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:32:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.331	7.768	2433.6E6	659.3E6	615.313	636.336
	Target Compounds						
1) T	Dalapon	2.695	2.706	3611.5E6	1652.1E6	592.858	581.143
2) T	3,5-DICHL...	6.492	6.715	3314.0E6	908.9E6	632.620	586.254
3) T	4-Nitroph...	7.130	7.301	959.5E6	1035.9E6	710.710	593.998
5) T	DICAMBA	7.520	7.971	9998.6E6	3942.8E6	637.221	608.800
6) T	MCPP	7.701	8.069	604.9E6	132.4E6	65.737	61.948
7) T	MCPA	7.851	8.318	739.2E6	196.0E6	67.771	61.146
8) T	DICHLORPROP	8.232	8.691	2224.8E6	914.7E6	653.376	602.043
9) T	2,4-D	8.465	9.027	2210.5E6	1026.8E6	718.070	604.194
10) T	Pentachlo...	8.771	9.550	35204.2E6	24634.0E6	700.420	639.262
11) T	2,4,5-TP ...	9.350	9.932	13269.4E6	9158.1E6	712.999	624.030
12) T	2,4,5-T	9.644	10.358	11862.9E6	8757.8E6	779.772	625.925
13) T	2,4-DB	10.221	10.926	1798.5E6	728.2E6	828.510	615.442 #
14) T	DINOSEB	11.436	11.311	9491.2E6	6927.9E6	719.909	610.304
15) T	Picloram	11.249	12.421	12357.8E6	15589.0E6	848.056m	663.906
16) T	DCPA	11.733	12.354	17904.0E6	14311.0E6	747.958	634.580

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

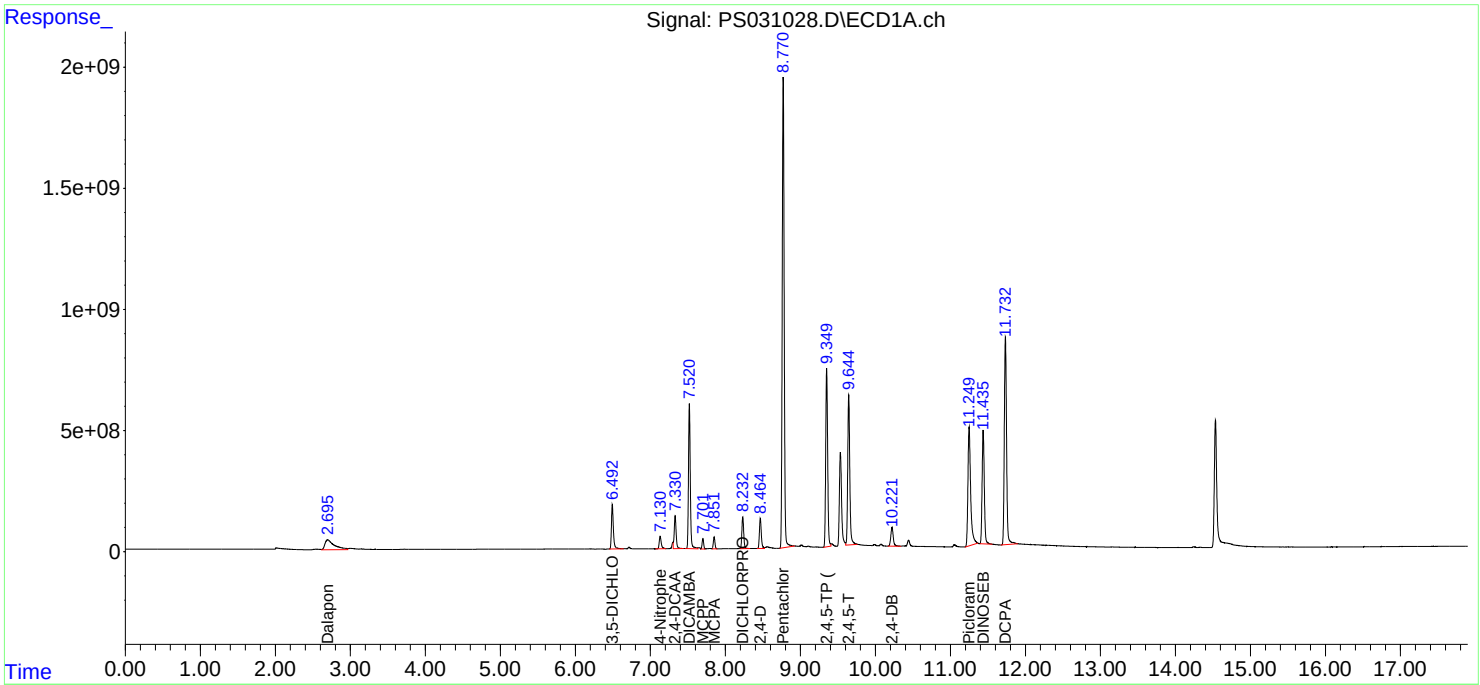
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 21:09
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

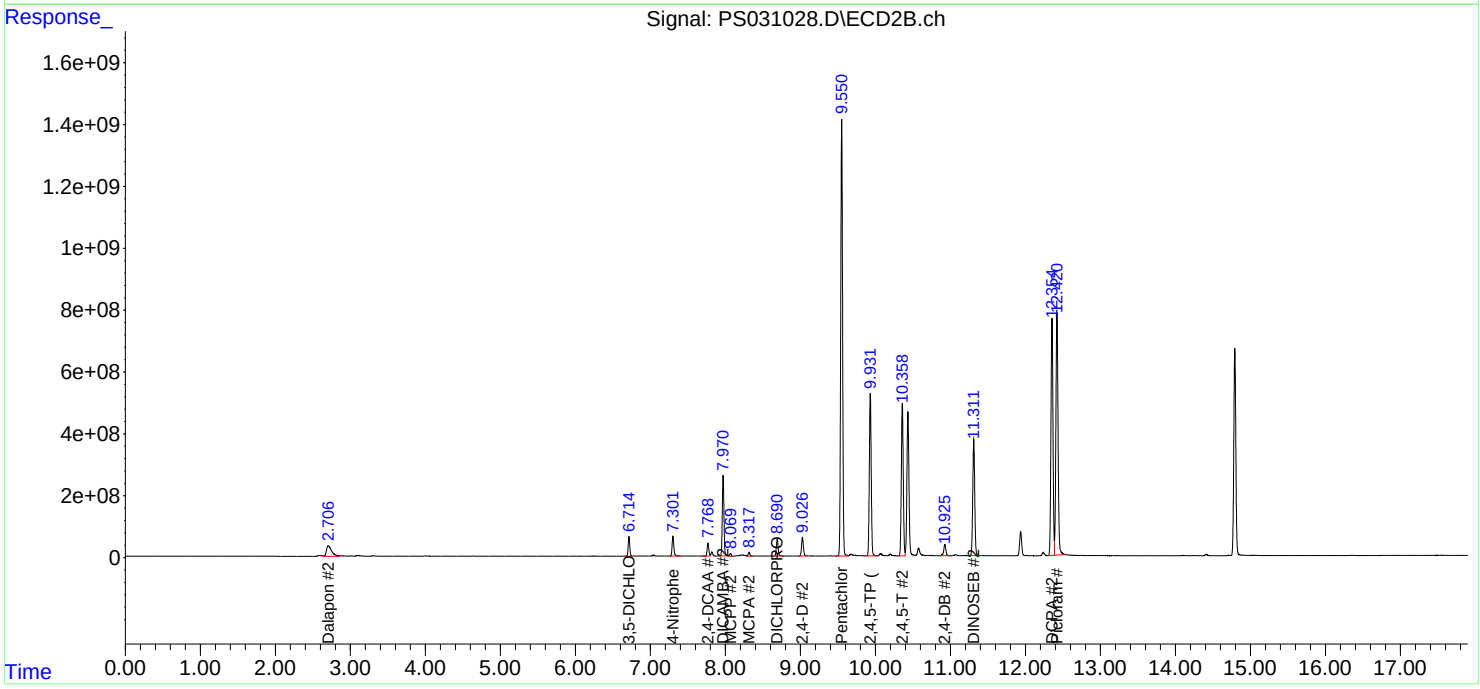
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

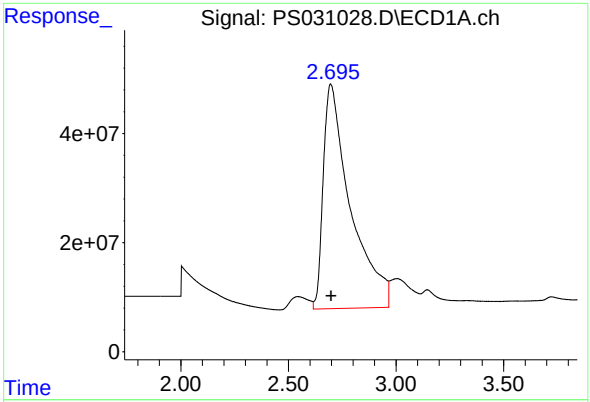
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:32:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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







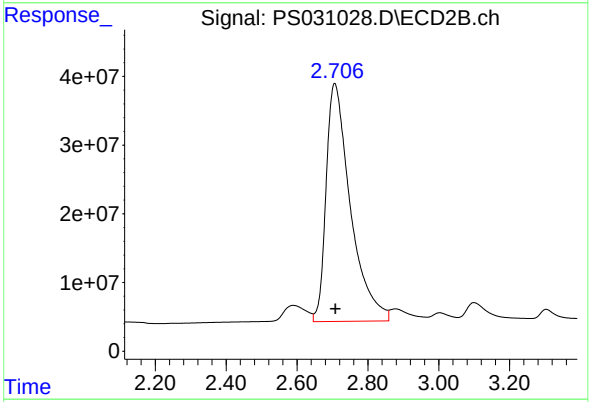
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: -0.003 min
Response: 3611526389
Conc: 592.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

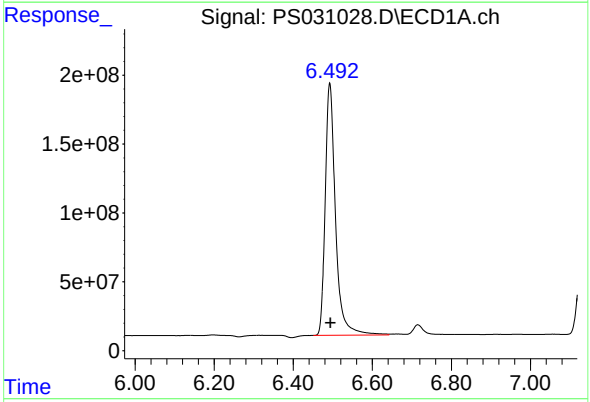
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



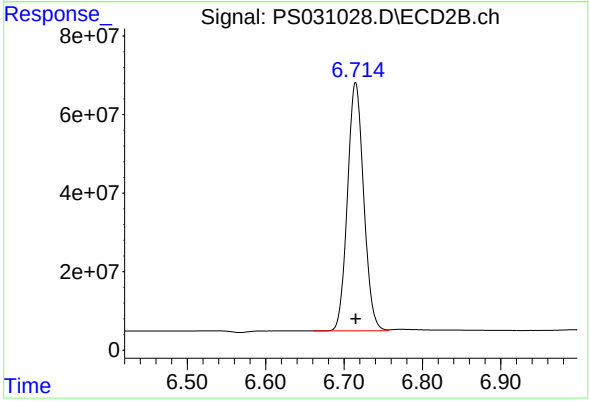
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: -0.002 min
Response: 1652107693
Conc: 581.14 ng/ml



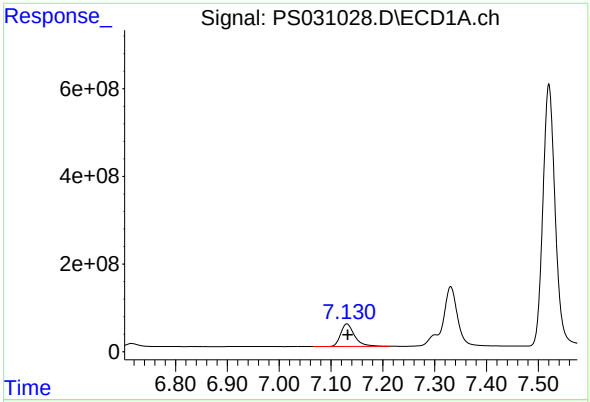
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.492 min
Delta R.T.: -0.002 min
Response: 3314042521
Conc: 632.62 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 908891880
Conc: 586.25 ng/ml



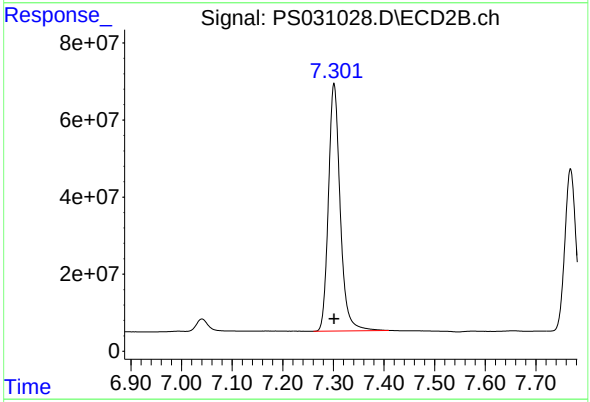
#3 4-Nitrophenol

R.T.: 7.130 min
Delta R.T.: -0.002 min
Response: 959464350
Conc: 710.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

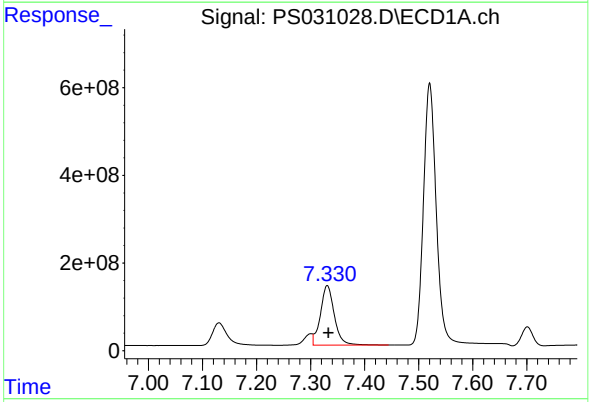
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



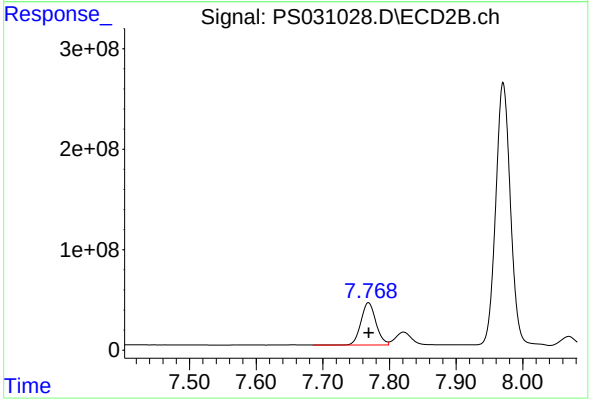
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1035866240
Conc: 594.00 ng/ml



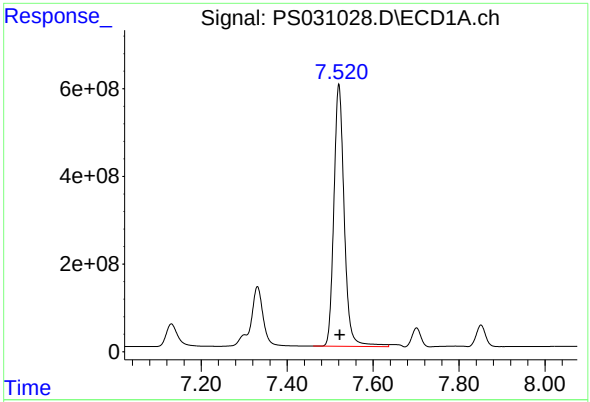
#4 2,4-DCAA

R.T.: 7.331 min
Delta R.T.: -0.002 min
Response: 2433610944
Conc: 615.31 ng/ml



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 659265224
Conc: 636.34 ng/ml



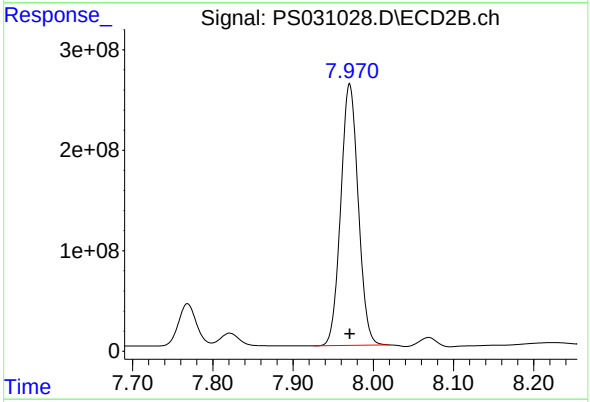
#5 DICAMBA

R.T.: 7.520 min
Delta R.T.: -0.002 min
Response: 9998582020
Conc: 637.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

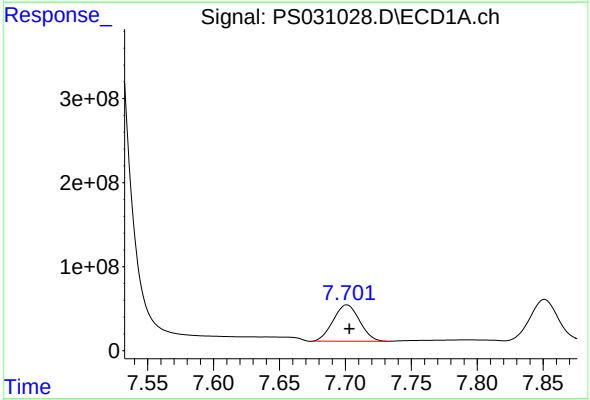
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



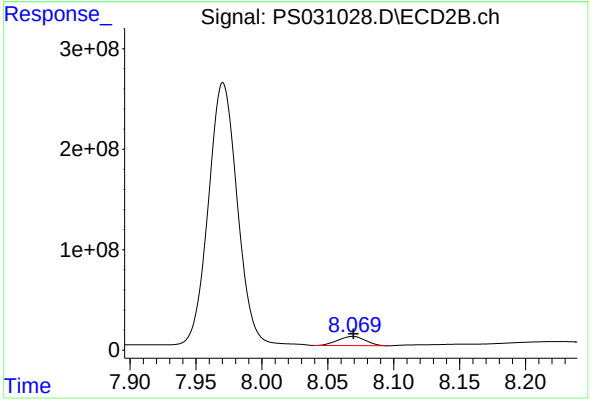
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 3942843314
Conc: 608.80 ng/ml



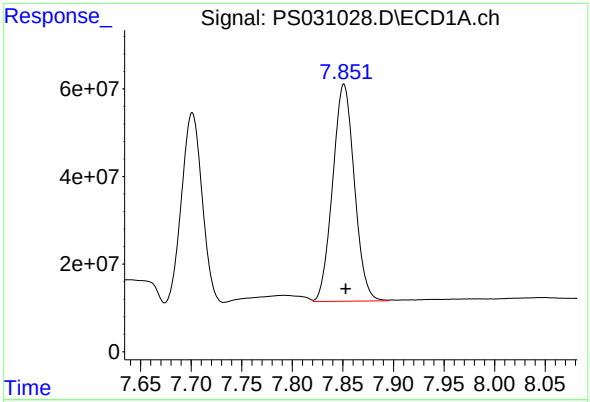
#6 MCPP

R.T.: 7.701 min
Delta R.T.: -0.002 min
Response: 604860380
Conc: 65.74 ug/ml



#6 MCPP

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 132442341
Conc: 61.95 ug/ml



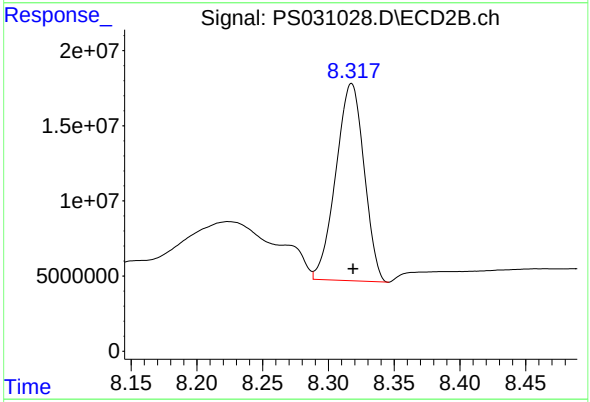
#7 MCPA

R.T.: 7.851 min
Delta R.T.: -0.002 min
Response: 739159030
Conc: 67.77 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

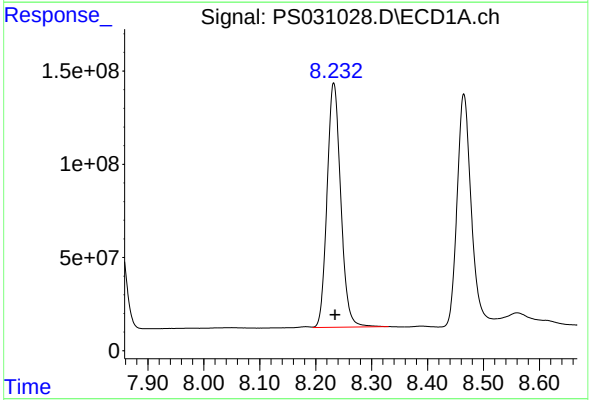
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



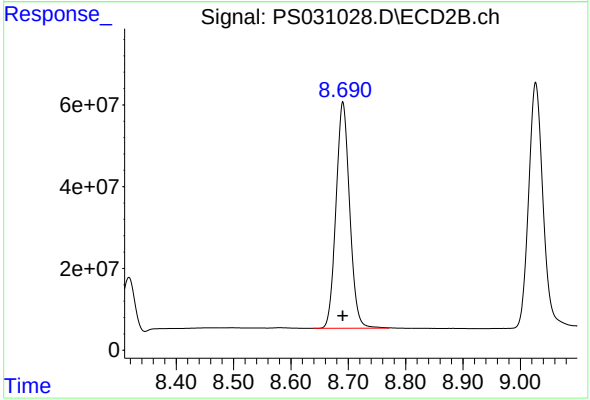
#7 MCPA

R.T.: 8.318 min
Delta R.T.: -0.001 min
Response: 196013808
Conc: 61.15 ug/ml



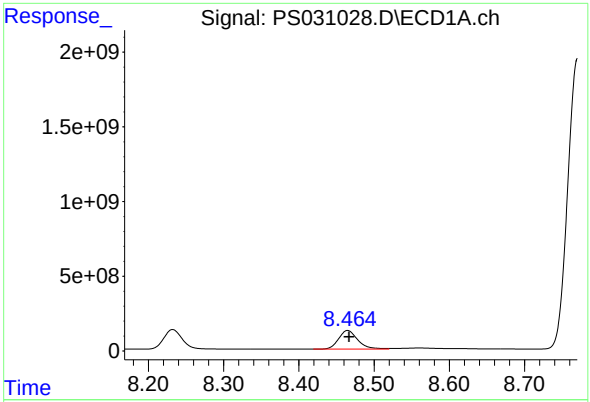
#8 DICHLORPROP

R.T.: 8.232 min
Delta R.T.: -0.002 min
Response: 2224847161
Conc: 653.38 ng/ml



#8 DICHLORPROP

R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 914660677
Conc: 602.04 ng/ml



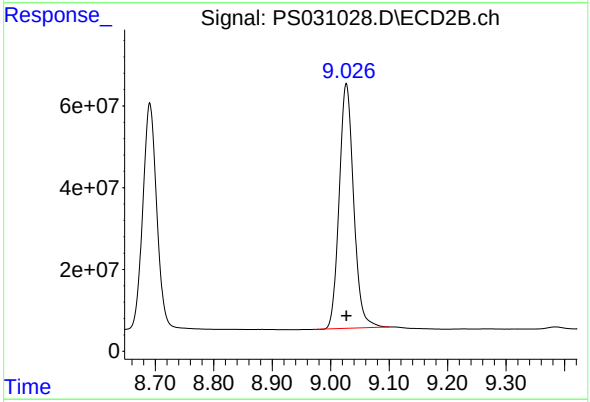
#9 2,4-D

R.T.: 8.465 min
Delta R.T.: -0.002 min
Response: 2210531725
Conc: 718.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

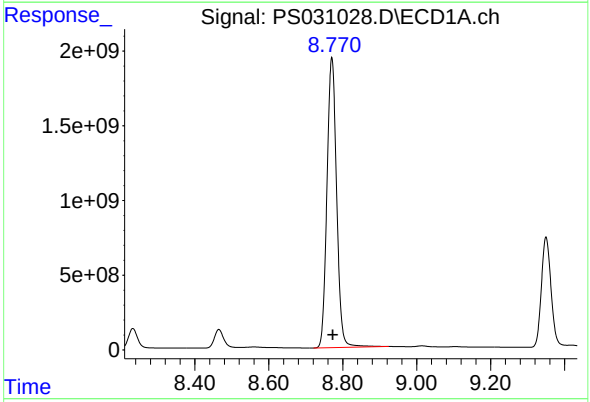
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



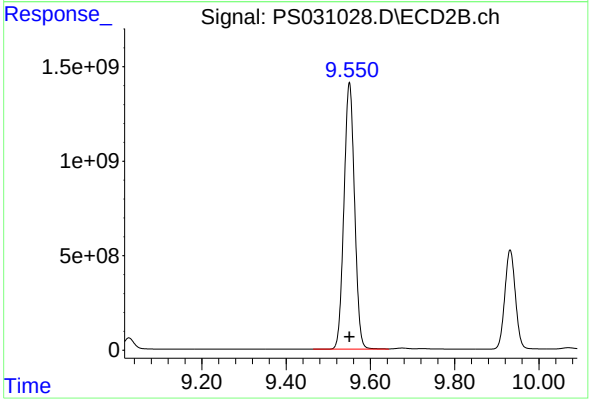
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1026805971
Conc: 604.19 ng/ml



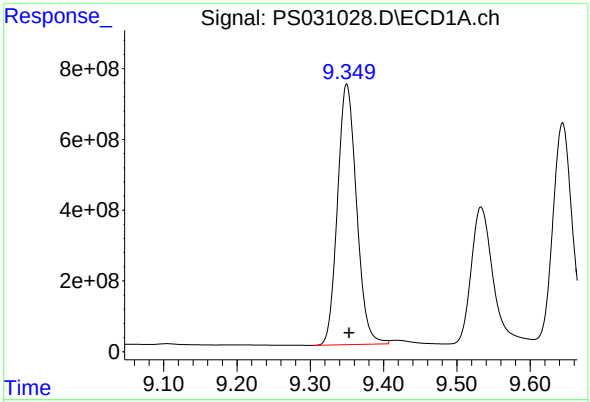
#10 Pentachlorophenol

R.T.: 8.771 min
Delta R.T.: -0.003 min
Response: 35204190191
Conc: 700.42 ng/ml



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 24633992865
Conc: 639.26 ng/ml



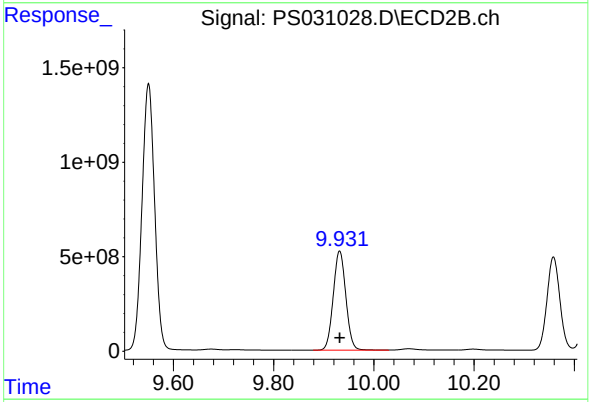
#11 2,4,5-TP (SILVEX)

R.T.: 9.350 min
Delta R.T.: -0.003 min
Response: 13269430427
Conc: 713.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

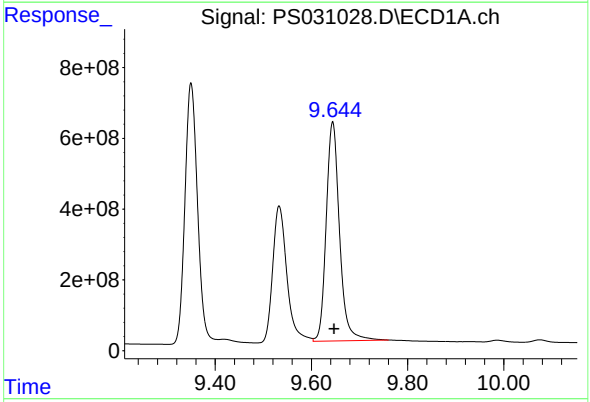
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



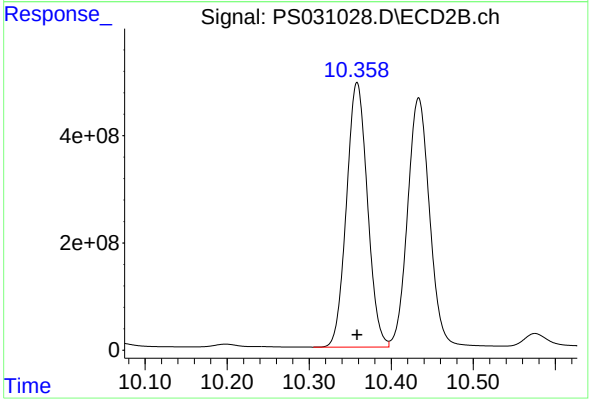
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 9158120894
Conc: 624.03 ng/ml



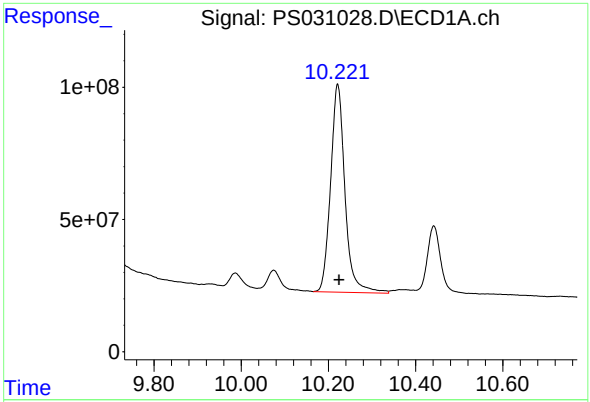
#12 2,4,5-T

R.T.: 9.644 min
Delta R.T.: -0.003 min
Response: 11862921426
Conc: 779.77 ng/ml



#12 2,4,5-T

R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 8757825755
Conc: 625.92 ng/ml



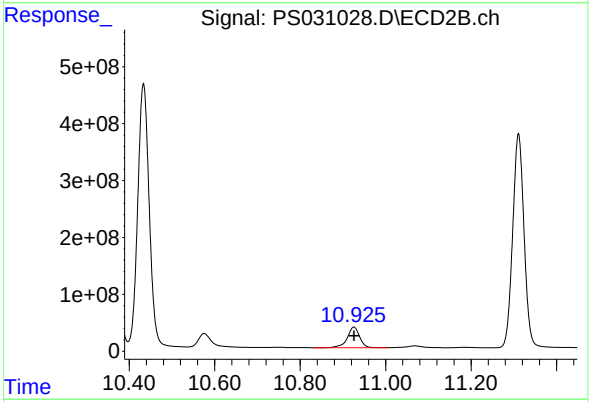
#13 2,4-DB

R.T.: 10.221 min
Delta R.T.: -0.003 min
Response: 1798520782
Conc: 828.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

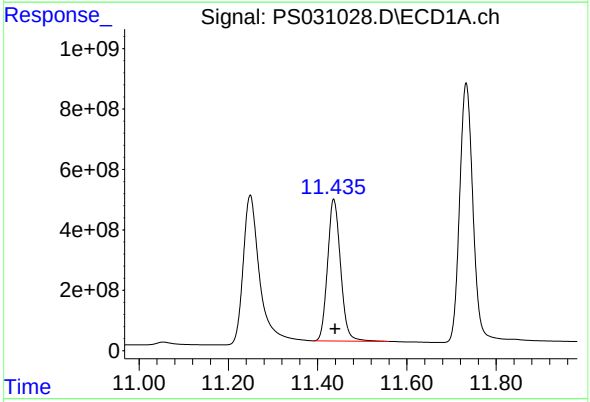
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



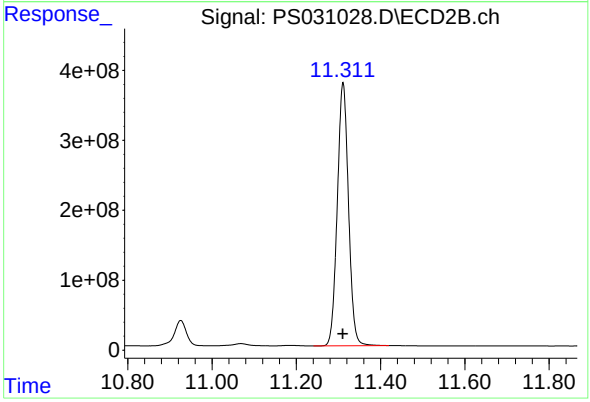
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 728179906
Conc: 615.44 ng/ml



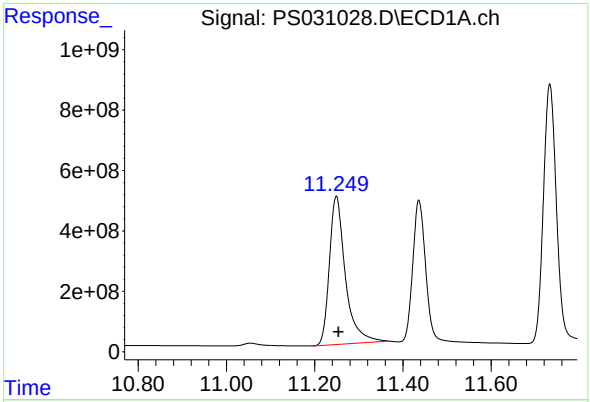
#14 DINOSEB

R.T.: 11.436 min
Delta R.T.: -0.003 min
Response: 9491207845
Conc: 719.91 ng/ml



#14 DINOSEB

R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 6927880633
Conc: 610.30 ng/ml



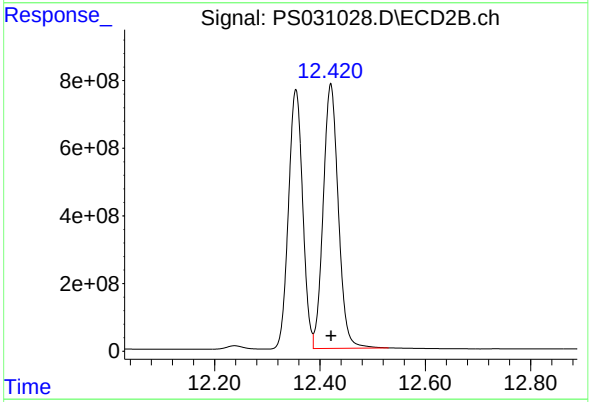
#15 Picloram

R.T.: 11.249 min
Delta R.T.: -0.005 min
Response: 12357823151
Conc: 848.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

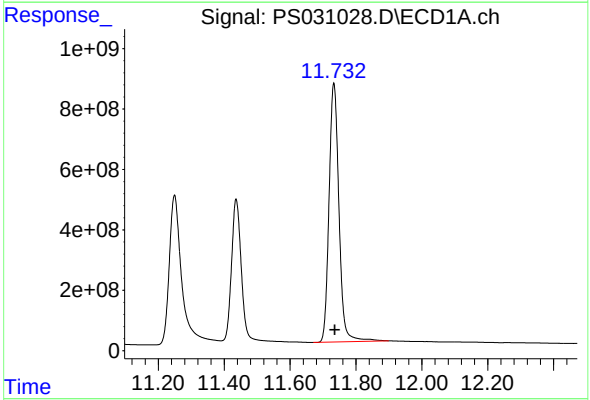
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/16/2025
Supervised By :mohammad ahmed 07/17/2025



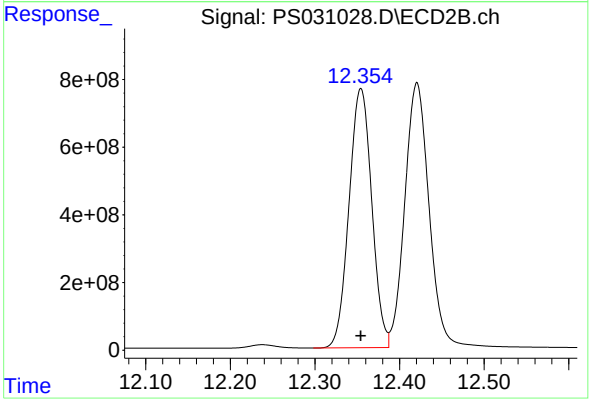
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 15588956570
Conc: 663.91 ng/ml



#16 DCPA

R.T.: 11.733 min
Delta R.T.: -0.003 min
Response: 17904002387
Conc: 747.96 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 14311032785
Conc: 634.58 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/18/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 21:22 **Initial Calibration Time(s):** 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.51	7.52	7.42	7.62	0.01
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
Dalapon	2.70	2.70	2.60	2.80	0.01
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.46	8.47	8.37	8.57	0.01
2,4,5-TP(Silvex)	9.34	9.35	9.25	9.45	0.01
2,4,5-T	9.64	9.65	9.55	9.75	0.01
2,4-DB	10.21	10.23	10.13	10.33	0.02
Dinoseb	11.43	11.44	11.34	11.54	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/18/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 21:22 **Initial Calibration Time(s):** 16:00 17:36

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	2.70	2.71	2.61	2.81	0.01
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	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	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
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

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/18/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031144.D **Time Analyzed:** 21:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.636	9.547	9.747	850.050	712.500	19.3
2,4,5-TP(Silvex)	9.342	9.253	9.453	804.740	712.500	12.9
2,4-D	8.456	8.367	8.567	830.710	705.000	17.8
2,4-DB	10.212	10.125	10.325	846.420	712.500	18.8
2,4-DCAA	7.324	7.233	7.433	726.770	750.000	-3.1
Dalapon	2.695	2.598	2.798	587.500	682.500	-13.9
DICAMBA	7.514	7.422	7.622	633.820	705.000	-10.1
DICHLORPROP	8.225	8.135	8.335	765.780	705.000	8.6
Dinoseb	11.427	11.339	11.539	785.940	705.000	11.5

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/18/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031144.D **Time Analyzed:** 21:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.355	10.258	10.458	657.810	712.500	-7.7
2,4,5-TP(Silvex)	9.928	9.832	10.032	675.600	712.500	-5.2
2,4-D	9.023	8.927	9.127	699.880	705.000	-0.7
2,4-DB	10.922	10.826	11.026	628.760	712.500	-11.8
2,4-DCAA	7.766	7.669	7.869	674.350	750.000	-10.1
Dalapon	2.703	2.608	2.808	597.360	682.500	-12.5
DICAMBA	7.968	7.871	8.071	640.590	705.000	-9.1
DICHLORPROP	8.687	8.591	8.791	675.920	705.000	-4.1
Dinoseb	11.307	11.210	11.410	635.440	705.000	-9.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 21:22
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:22:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.324	7.766	2874.4E6	698.7E6	726.771	674.352
	Target Compounds						
1) T	Dalapon	2.695	2.703	3578.9E6	1698.2E6	587.498	597.363
2) T	3,5-DICHL...	6.487	6.713	3601.3E6	949.1E6	687.461	612.192
3) T	4-Nitroph...	7.125	7.299	1145.4E6	1092.5E6	848.474	626.459 #
5) T	DICAMBA	7.514	7.968	9945.2E6	4148.7E6	633.817	640.585
6) T	MCPP	7.695	8.067	673.1E6	131.2E6	73.155m	61.361
7) T	MCPA	7.845	8.315	825.4E6	201.1E6	75.681	62.727
8) T	DICHLORPROP	8.225	8.687	2607.6E6	1026.9E6	765.784	675.916
9) T	2,4-D	8.456	9.023	2557.3E6	1189.4E6	830.705m	699.877
10) T	Pentachlo...	8.761	9.547	40940.3E6	26363.0E6	814.545m	684.131
11) T	2,4,5-TP ...	9.342	9.928	14976.9E6	9915.0E6	804.743	675.600
12) T	2,4,5-T	9.636	10.355	12932.0E6	9204.0E6	850.047m	657.811
13) T	2,4-DB	10.212	10.922	1837.4E6	743.9E6	846.415m	628.760 #
14) T	DINOSEB	11.427	11.307	10361.8E6	7213.2E6	785.940m	635.440
15) T	Picloram	11.236	12.417	15388.5E6	16539.0E6	1056.038m	704.366 #
16) T	DCPA	11.724	12.351	19335.1E6	15104.5E6	807.745	669.762m

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

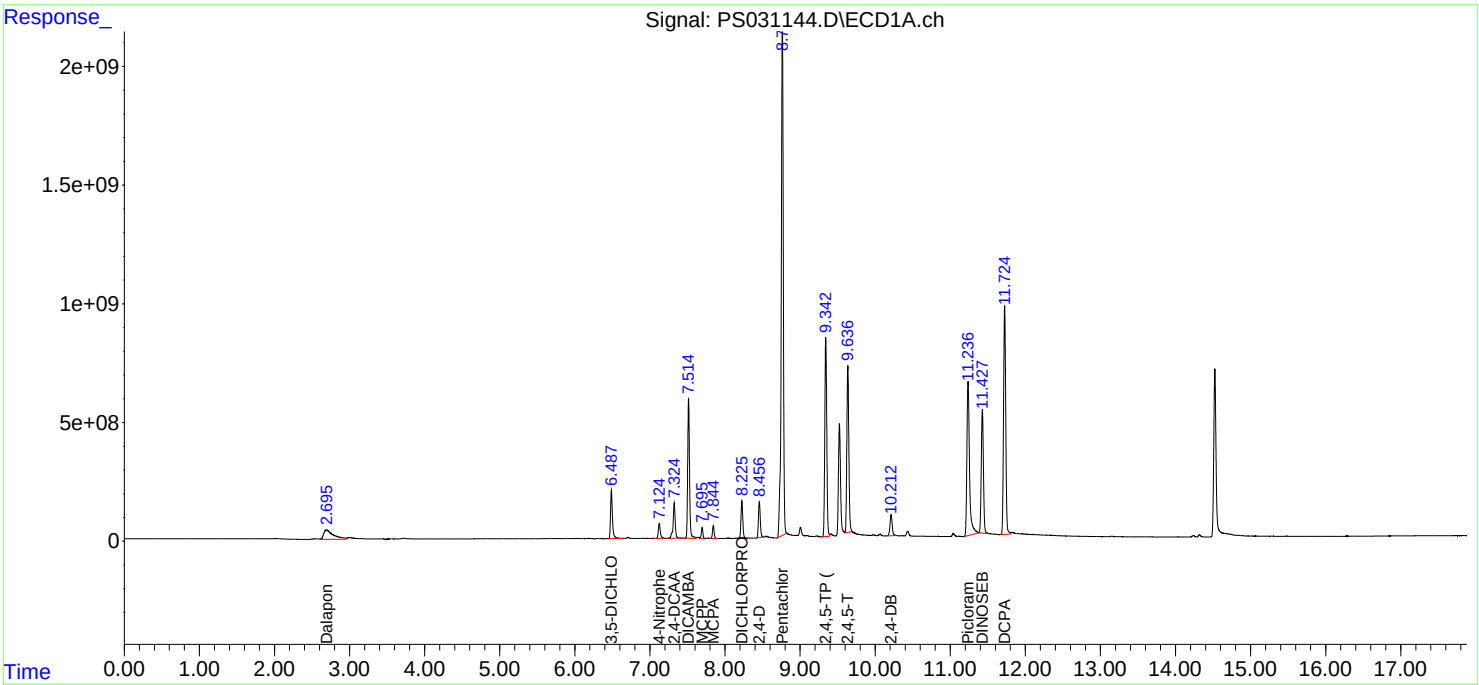
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 21:22
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 33 Sample Multiplier: 1

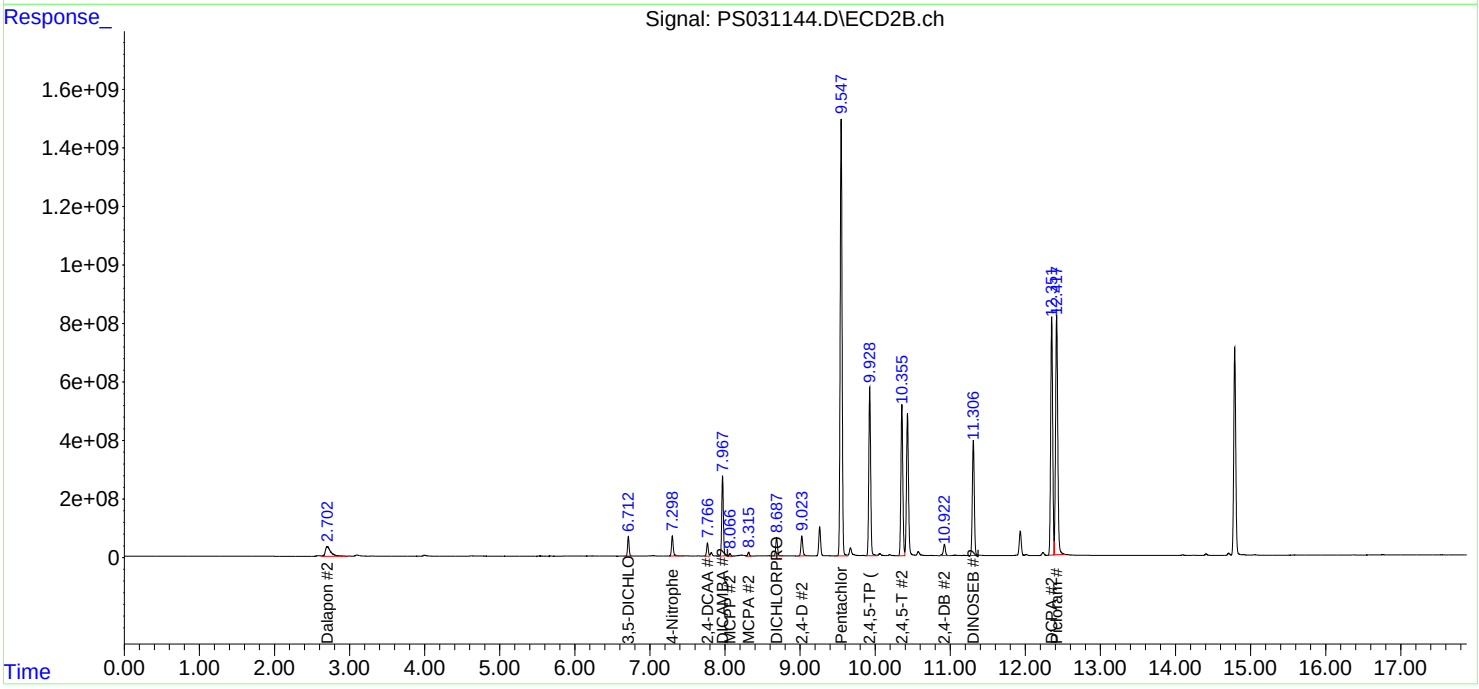
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

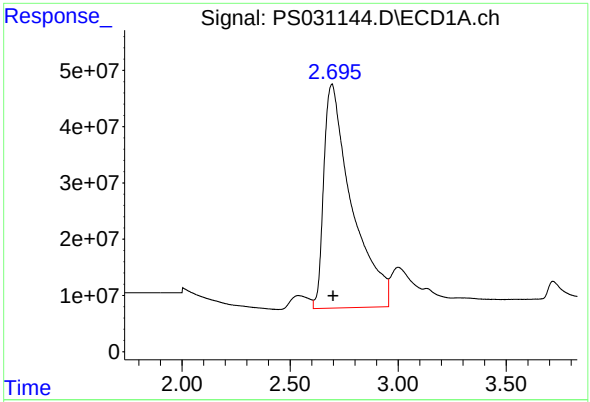
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:22:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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.: 2.695 min
Delta R.T.: -0.003 min
Response: 3578872939
Conc: 587.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
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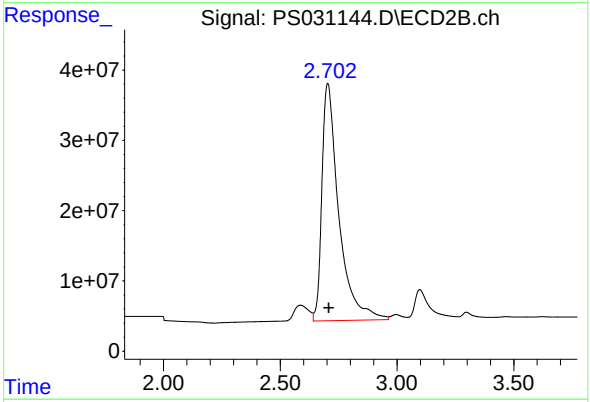
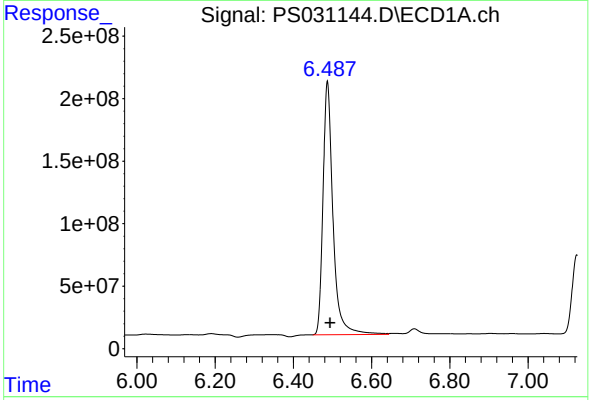


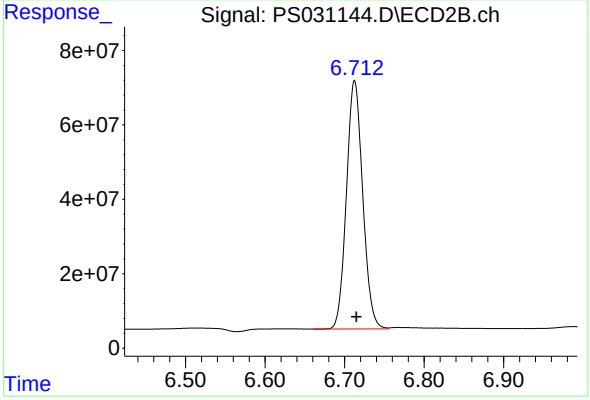
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: -0.005 min
Response: 1698219676
Conc: 597.36 ng/ml



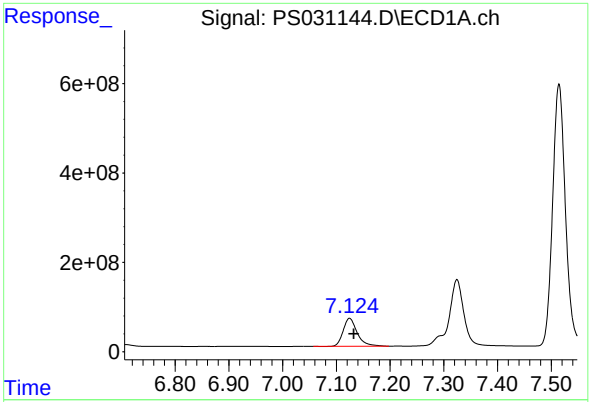
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: -0.007 min
Response: 3601336176
Conc: 687.46 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: -0.002 min
Response: 949103535
Conc: 612.19 ng/ml



#3 4-Nitrophenol

R.T.: 7.125 min
Delta R.T.: -0.008 min
Response: 1145446270
Conc: 848.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

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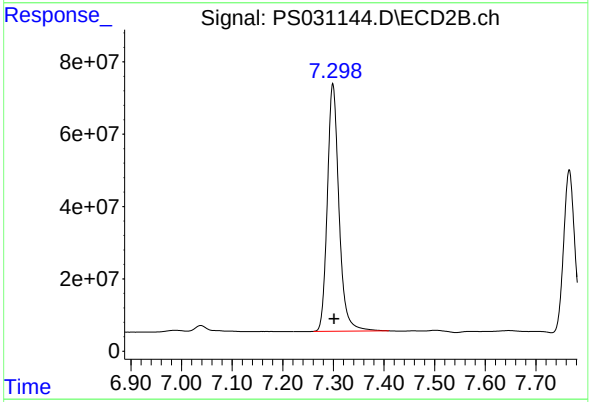
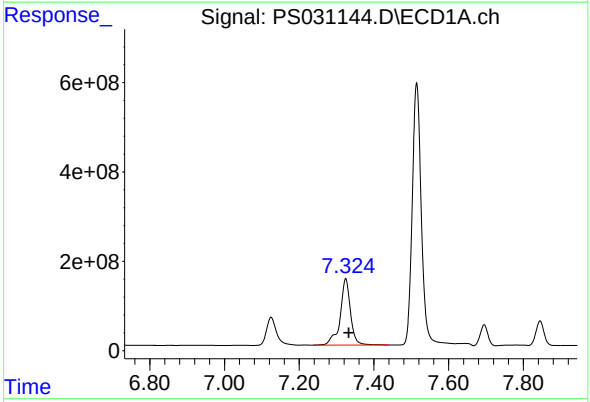


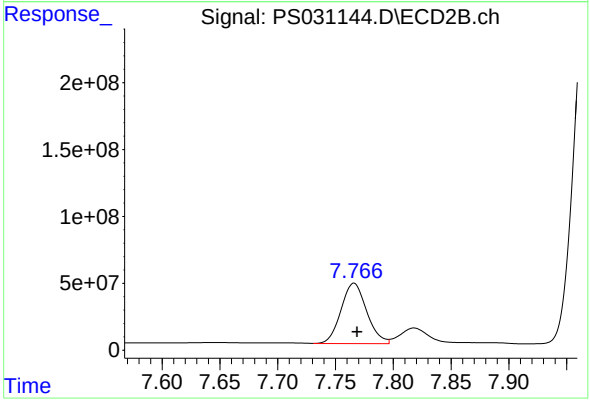
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.002 min
Response: 1092475338
Conc: 626.46 ng/ml



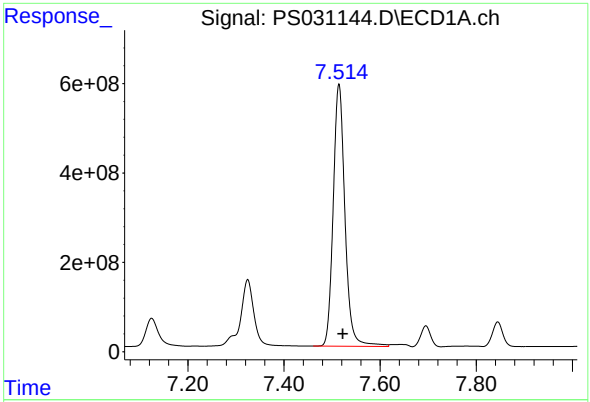
#4 2,4-DCAA

R.T.: 7.324 min
Delta R.T.: -0.008 min
Response: 2874434672
Conc: 726.77 ng/ml



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.003 min
Response: 698650399
Conc: 674.35 ng/ml



#5 DICAMBA

R.T.: 7.514 min
Delta R.T.: -0.008 min
Response: 9945160335
Conc: 633.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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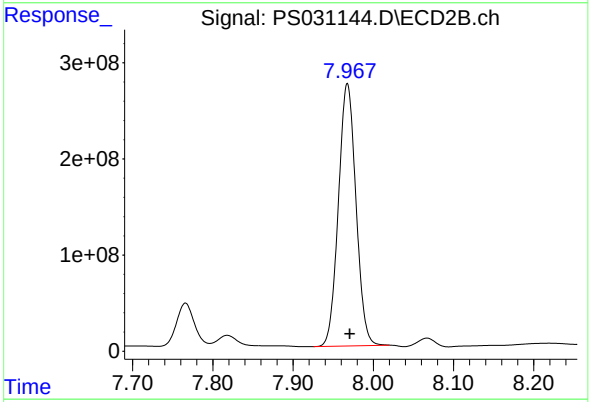
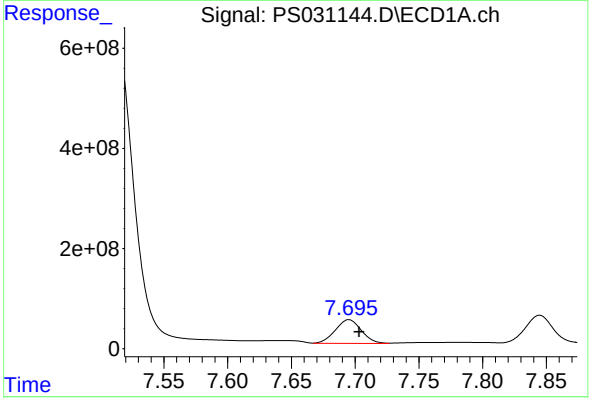


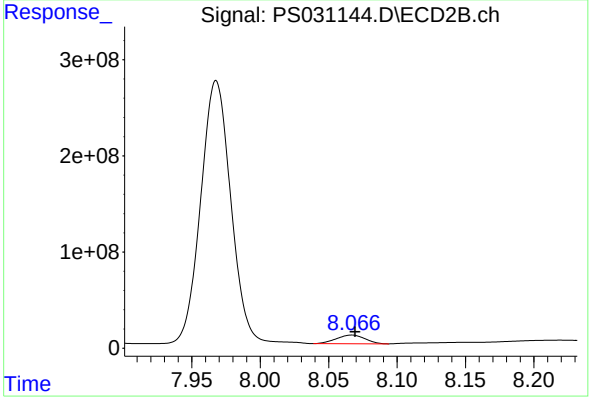
#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: -0.003 min
Response: 4148700293
Conc: 640.59 ng/ml



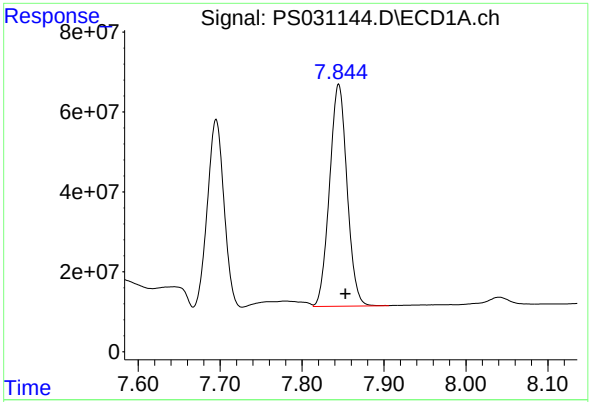
#6 MCPP

R.T.: 7.695 min
Delta R.T.: -0.008 min
Response: 673119197
Conc: 73.15 ug/ml m



#6 MCPP

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 131185870
Conc: 61.36 ug/ml



#7 MCPA

R.T.: 7.845 min
Delta R.T.: -0.008 min
Response: 825438388
Conc: 75.68 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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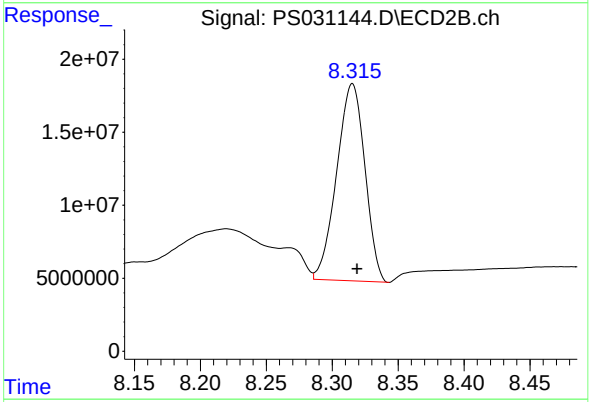
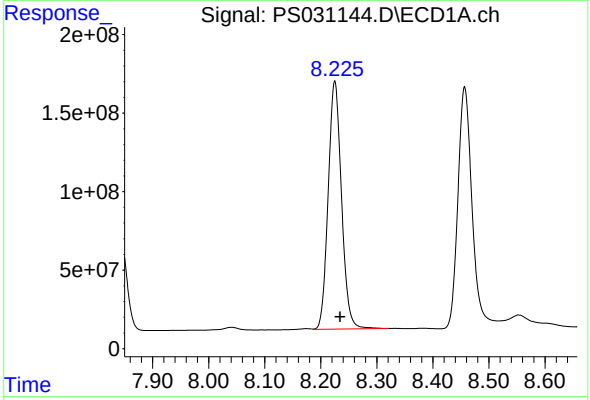


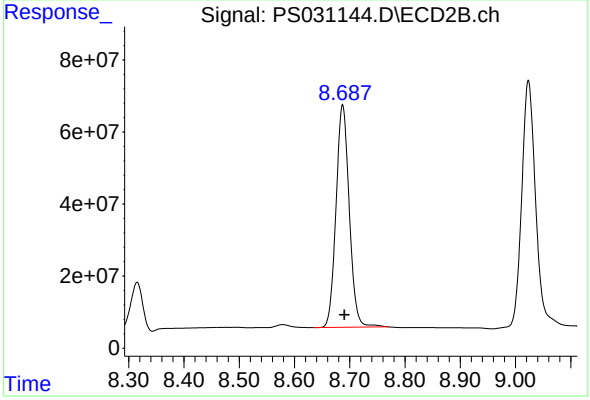
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.004 min
Response: 201082534
Conc: 62.73 ug/ml



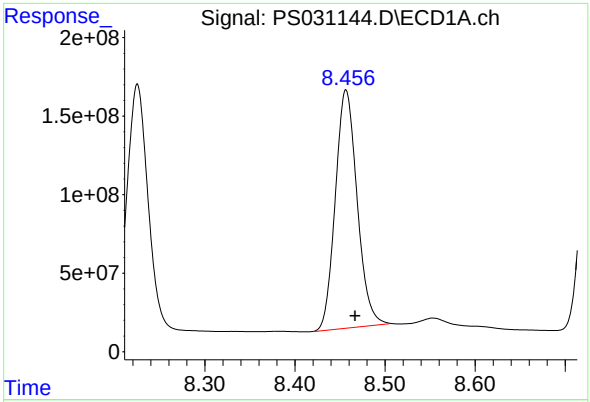
#8 DICHLORPROP

R.T.: 8.225 min
Delta R.T.: -0.010 min
Response: 2607613188
Conc: 765.78 ng/ml



#8 DICHLORPROP

R.T.: 8.687 min
Delta R.T.: -0.003 min
Response: 1026892286
Conc: 675.92 ng/ml



#9 2,4-D

R.T.: 8.456 min
Delta R.T.: -0.011 min
Response: 2557273364
Conc: 830.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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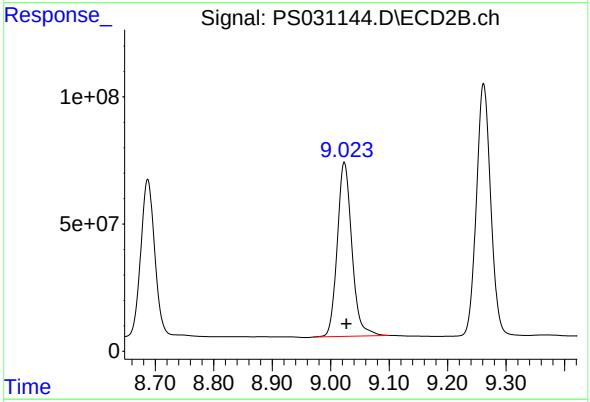
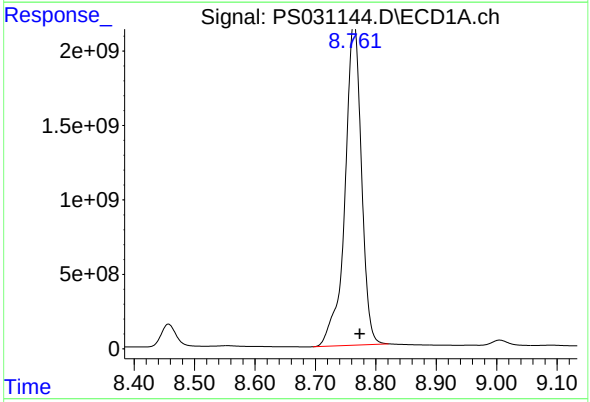


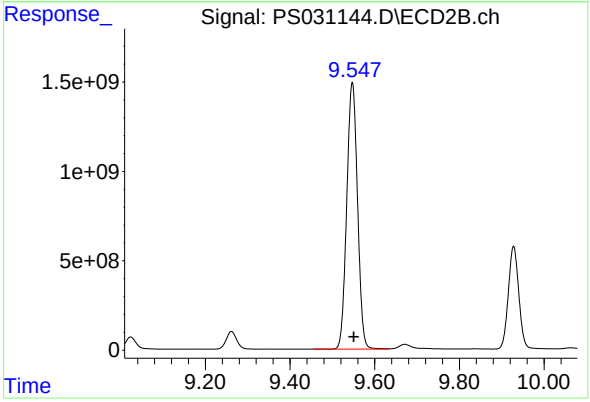
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: -0.003 min
Response: 1189416800
Conc: 699.88 ng/ml



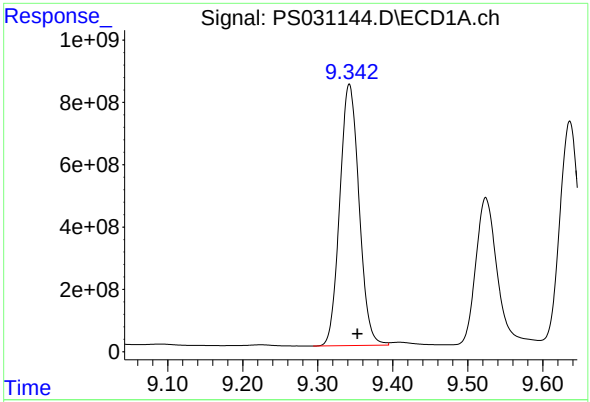
#10 Pentachlorophenol

R.T.: 8.761 min
Delta R.T.: -0.012 min
Response: 40940282516
Conc: 814.54 ng/ml m



#10 Pentachlorophenol

R.T.: 9.547 min
Delta R.T.: -0.003 min
Response: 26363011610
Conc: 684.13 ng/ml



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

R.T.: 9.342 min
Delta R.T.: -0.011 min
Response: 14976863223
Conc: 804.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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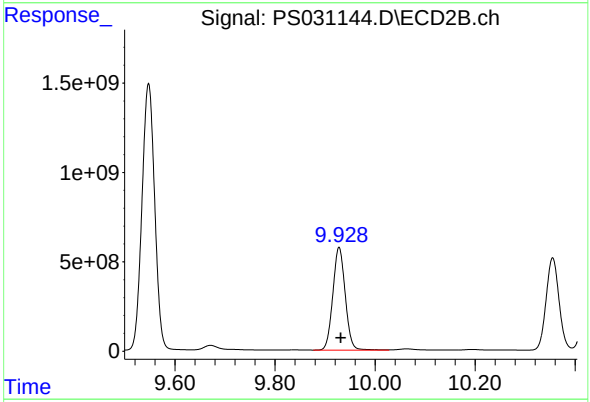
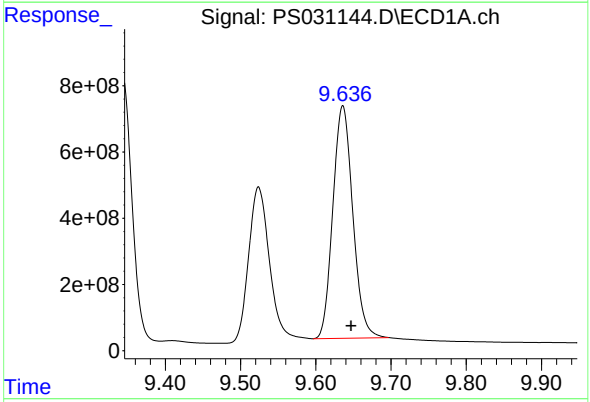


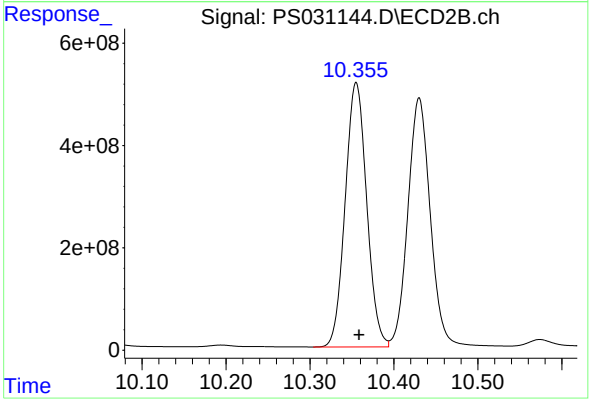
#11 2,4,5-TP (SILVEX)

R.T.: 9.928 min
Delta R.T.: -0.004 min
Response: 9914956992
Conc: 675.60 ng/ml



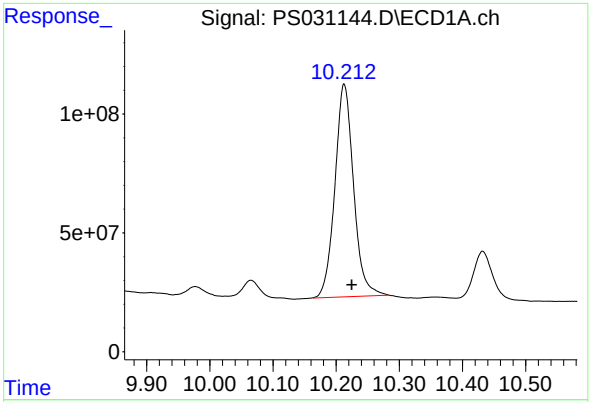
#12 2,4,5-T

R.T.: 9.636 min
Delta R.T.: -0.011 min
Response: 12932032291
Conc: 850.05 ng/ml m



#12 2,4,5-T

R.T.: 10.355 min
Delta R.T.: -0.003 min
Response: 9203964506
Conc: 657.81 ng/ml



#13 2,4-DB

R.T.: 10.212 min
Delta R.T.: -0.013 min
Response: 1837389240
Conc: 846.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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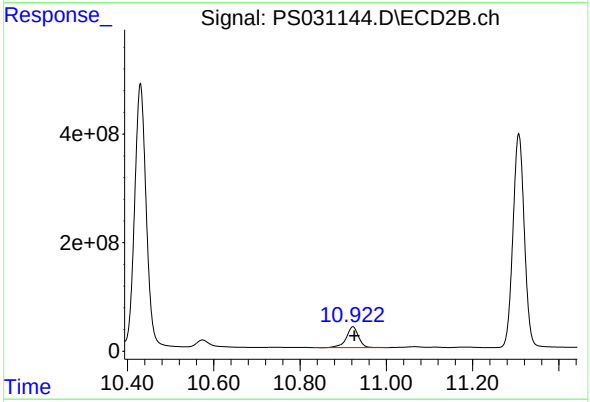
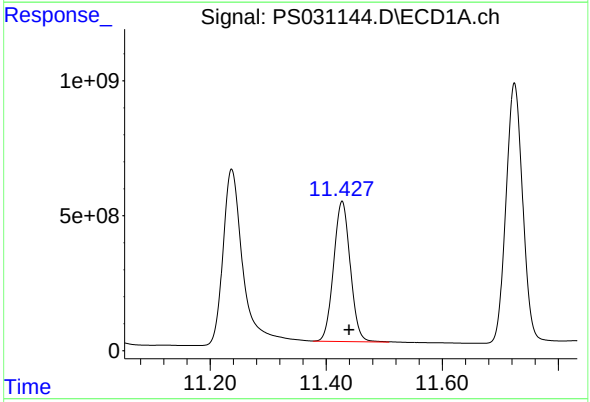


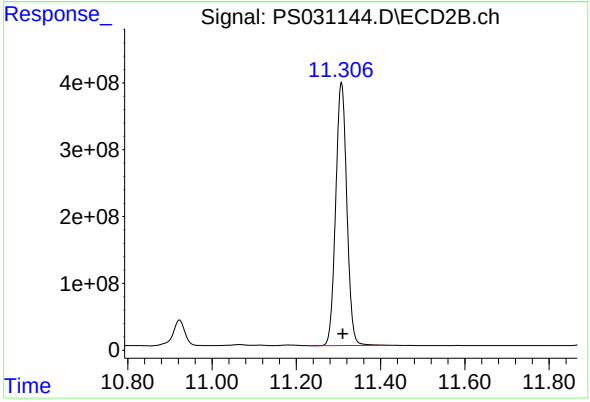
#13 2,4-DB

R.T.: 10.922 min
Delta R.T.: -0.003 min
Response: 743936950
Conc: 628.76 ng/ml



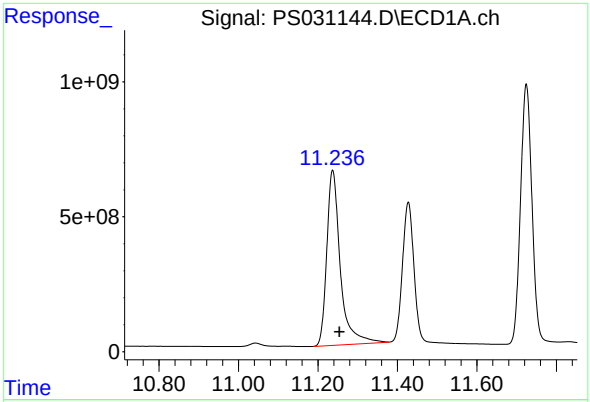
#14 DINOSEB

R.T.: 11.427 min
Delta R.T.: -0.012 min
Response: 10361756611
Conc: 785.94 ng/ml m



#14 DINOSEB

R.T.: 11.307 min
Delta R.T.: -0.003 min
Response: 7213214374
Conc: 635.44 ng/ml



#15 Picloram

R.T.: 11.236 min
Delta R.T.: -0.017 min
Response: 15388526295
Conc: 1056.04 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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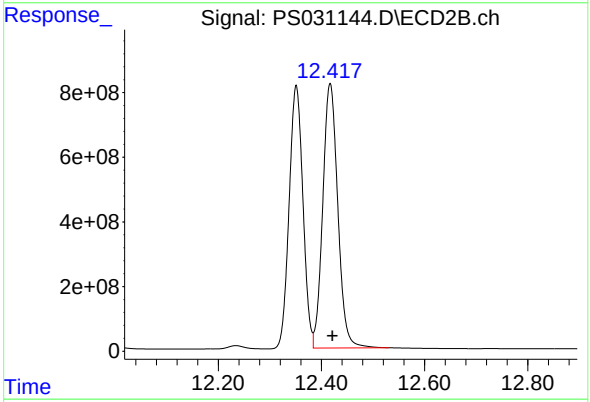
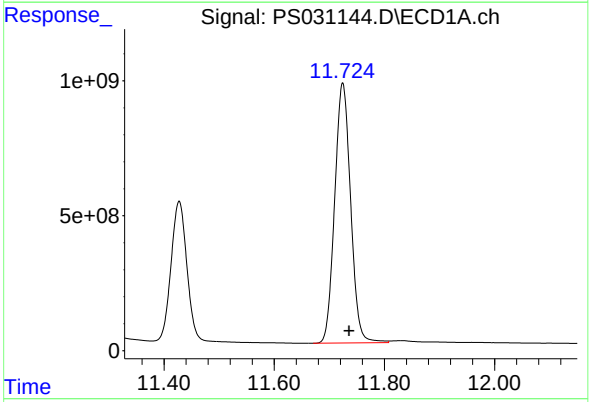


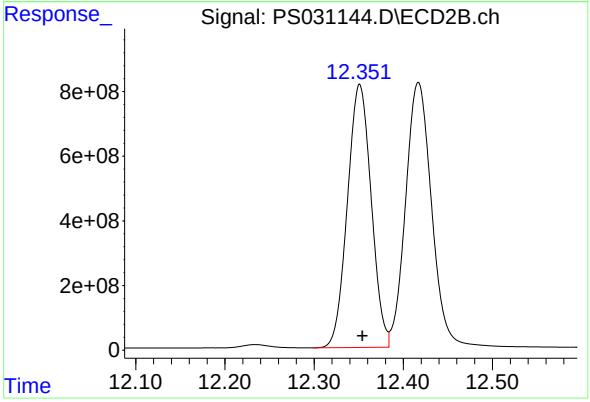
#15 Picloram

R.T.: 12.417 min
Delta R.T.: -0.004 min
Response: 16538970865
Conc: 704.37 ng/ml



#16 DCPA

R.T.: 11.724 min
Delta R.T.: -0.012 min
Response: 19335141368
Conc: 807.75 ng/ml



#16 DCPA

R.T.: 12.351 min
Delta R.T.: -0.004 min
Response: 15104458489
Conc: 669.76 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/19/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 01:23 **Initial Calibration Time(s):** 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.51	7.52	7.42	7.62	0.01
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
Dalapon	2.69	2.70	2.60	2.80	0.01
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.46	8.47	8.37	8.57	0.01
2,4,5-TP(Silvex)	9.34	9.35	9.25	9.45	0.01
2,4,5-T	9.63	9.65	9.55	9.75	0.02
2,4-DB	10.21	10.23	10.13	10.33	0.02
Dinoseb	11.43	11.44	11.34	11.54	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/19/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 01:23 **Initial Calibration Time(s):** 16:00 17:36

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	0.01
Dalapon	2.70	2.71	2.61	2.81	0.01
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	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	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031154.D **Time Analyzed:** 01:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.634	9.547	9.747	850.700	712.500	19.4
2,4,5-TP(Silvex)	9.341	9.253	9.453	799.060	712.500	12.1
2,4-D	8.456	8.367	8.567	832.130	705.000	18.0
2,4-DB	10.212	10.125	10.325	844.050	712.500	18.5
2,4-DCAA	7.324	7.233	7.433	724.370	750.000	-3.4
Dalapon	2.690	2.598	2.798	582.240	682.500	-14.7
DICAMBA	7.513	7.422	7.622	632.640	705.000	-10.3
DICHLORPROP	8.225	8.135	8.335	762.560	705.000	8.2
Dinoseb	11.425	11.339	11.539	764.380	705.000	8.4

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031154.D **Time Analyzed:** 01:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.355	10.258	10.458	653.850	712.500	-8.2
2,4,5-TP(Silvex)	9.928	9.832	10.032	673.340	712.500	-5.5
2,4-D	9.023	8.927	9.127	693.610	705.000	-1.6
2,4-DB	10.923	10.826	11.026	629.860	712.500	-11.6
2,4-DCAA	7.765	7.669	7.869	671.450	750.000	-10.5
Dalapon	2.702	2.608	2.808	594.770	682.500	-12.9
DICAMBA	7.967	7.871	8.071	639.590	705.000	-9.3
DICHLORPROP	8.687	8.591	8.791	665.820	705.000	-5.6
Dinoseb	11.306	11.210	11.410	623.520	705.000	-11.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jul 2025 01:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:18:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.324	7.765	2864.9E6	695.6E6	724.371	671.450
	Target Compounds						
1) T	Dalapon	2.690	2.702	3546.8E6	1690.8E6	582.238	594.769
2) T	3,5-DICHL...	6.487	6.712	3601.3E6	948.5E6	687.454	611.833
3) T	4-Nitroph...	7.123	7.299	1126.3E6	1085.4E6	834.306m	622.396 #
5) T	DICAMBA	7.513	7.967	9926.7E6	4142.3E6	632.641	639.591
6) T	MCPP	7.694	8.066	554.6E6	129.0E6	60.269	60.321
7) T	MCPA	7.844	8.315	825.6E6	192.8E6	75.693	60.144
8) T	DICHLORPROP	8.225	8.687	2596.7E6	1011.6E6	762.565	665.820
9) T	2,4-D	8.456	9.023	2561.7E6	1178.8E6	832.128m	693.614
10) T	Pentachlo...	8.761	9.547	41089.3E6	26234.1E6	817.509m	680.785
11) T	2,4,5-TP ...	9.341	9.928	14871.1E6	9881.8E6	799.059	673.344
12) T	2,4,5-T	9.634	10.355	12941.9E6	9148.5E6	850.699m	653.850
13) T	2,4-DB	10.212	10.923	1832.2E6	745.2E6	844.046m	629.861 #
14) T	DINOSEB	11.425	11.306	10077.5E6	7077.9E6	764.382m	623.522
15) T	Picloram	11.236	12.417	15446.8E6	16429.1E6	1060.040m	699.688 #
16) T	DCPA	11.723	12.351	18958.2E6	15040.8E6	791.999m	666.938m

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

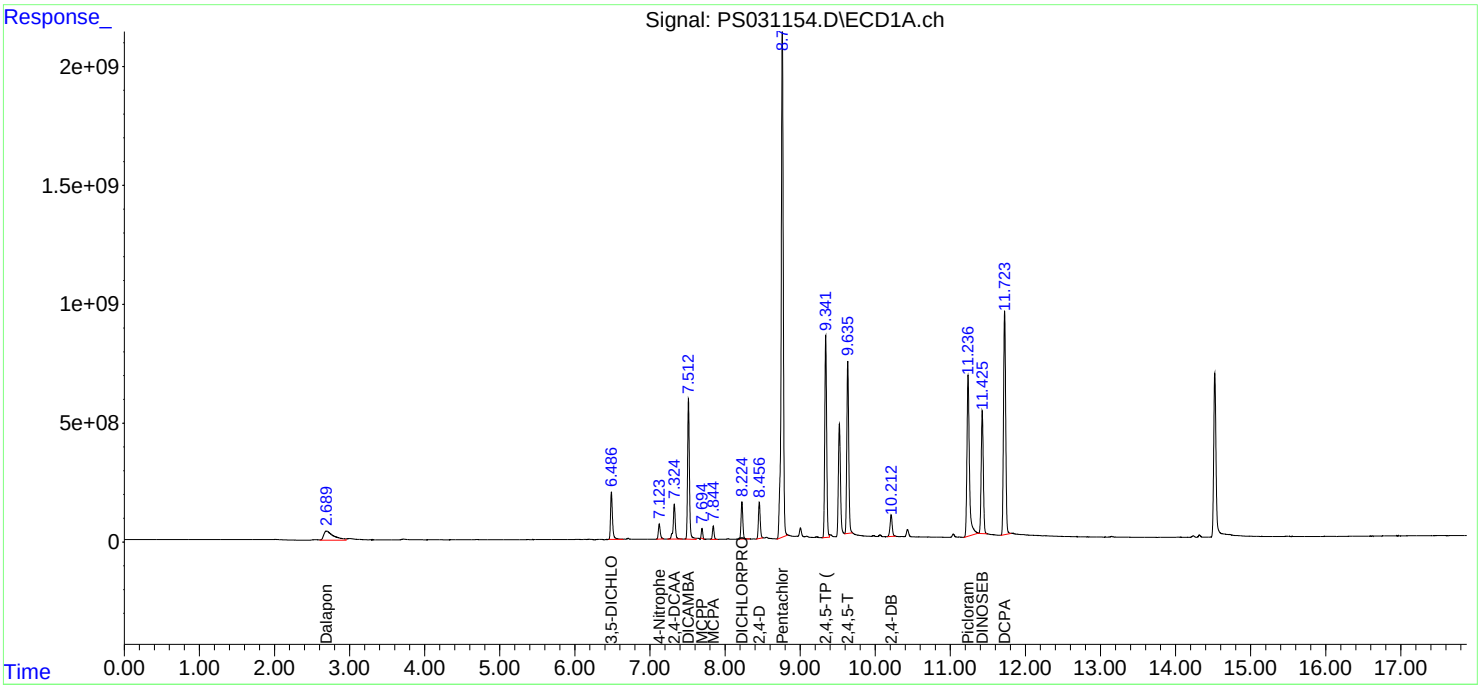
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jul 2025 01:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

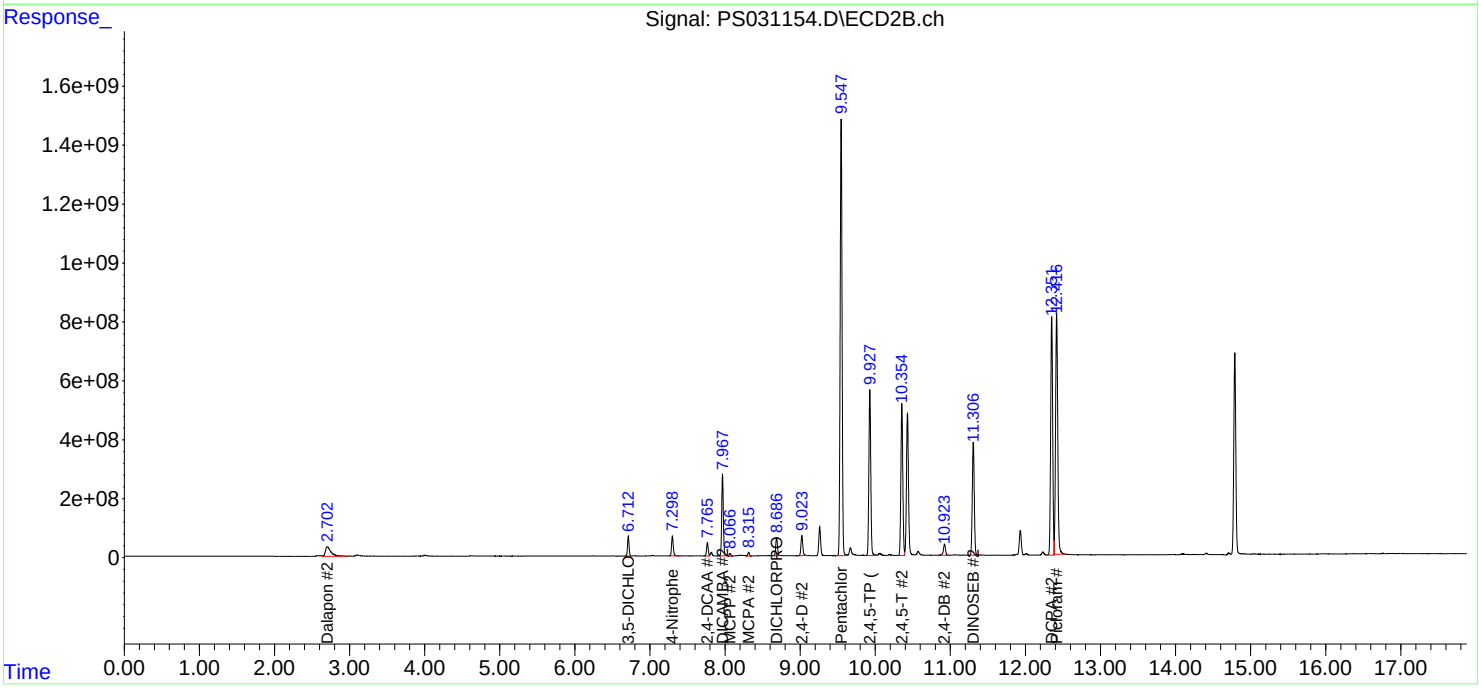
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

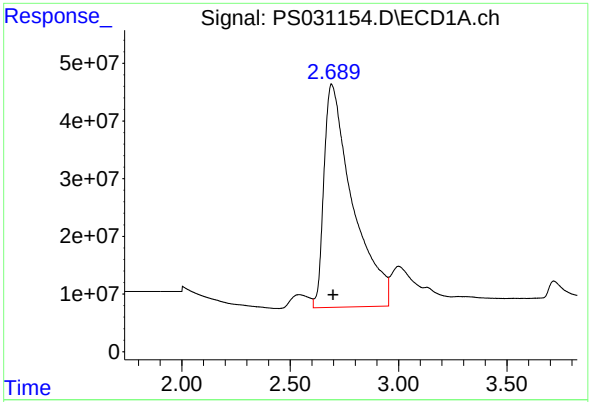
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:18:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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







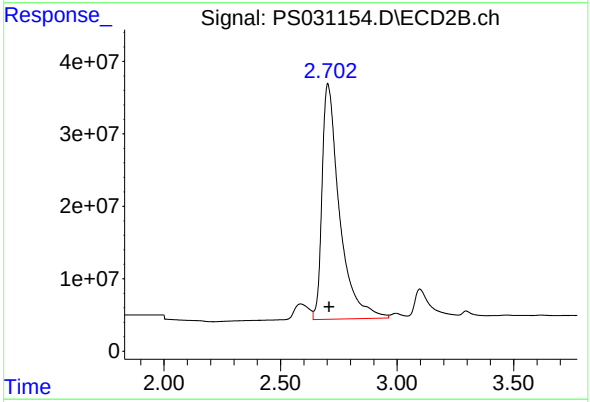
#1 Dalapon

R.T.: 2.690 min
Delta R.T.: -0.008 min
Response: 3546835514
Conc: 582.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

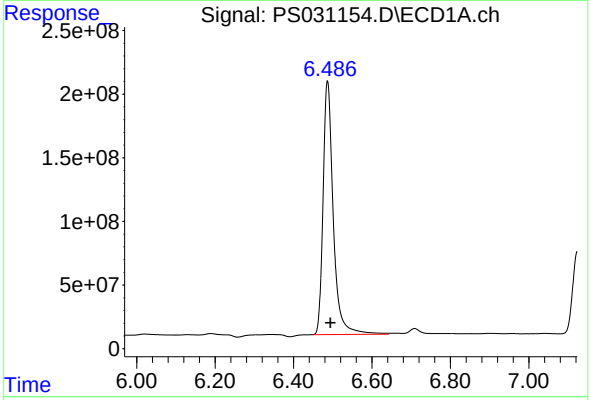
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/23/2025



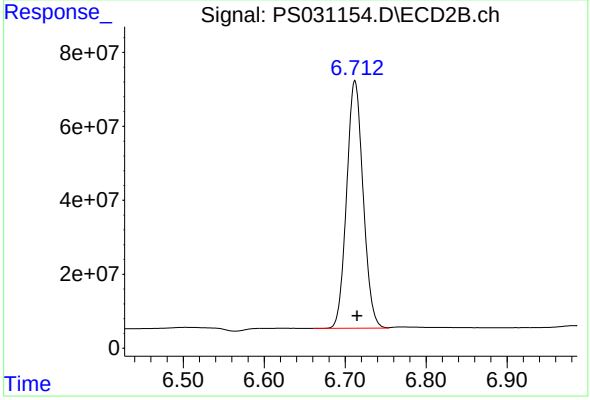
#1 Dalapon

R.T.: 2.702 min
Delta R.T.: -0.006 min
Response: 1690845702
Conc: 594.77 ng/ml



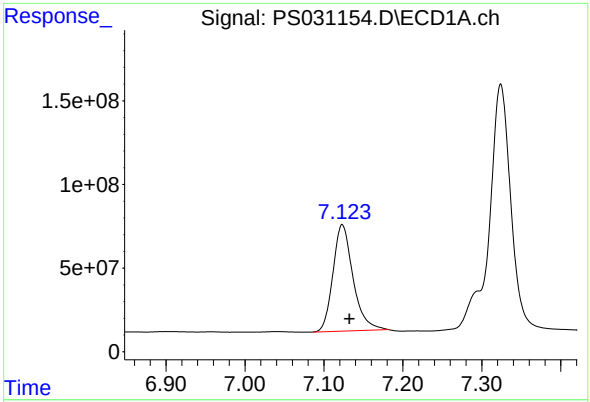
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: -0.007 min
Response: 3601298058
Conc: 687.45 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.712 min
Delta R.T.: -0.003 min
Response: 948547659
Conc: 611.83 ng/ml



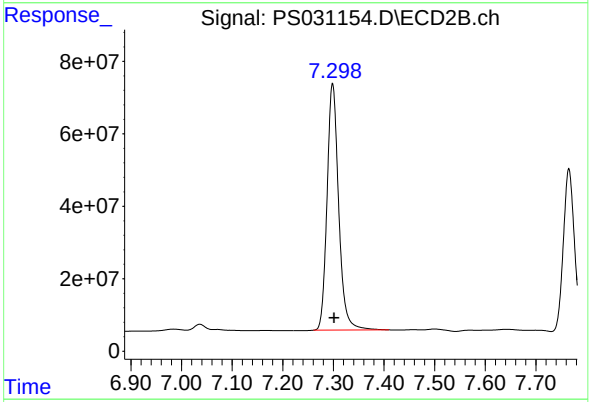
#3 4-Nitrophenol

R.T.: 7.123 min
Delta R.T.: -0.010 min
Response: 1126319908
Conc: 834.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

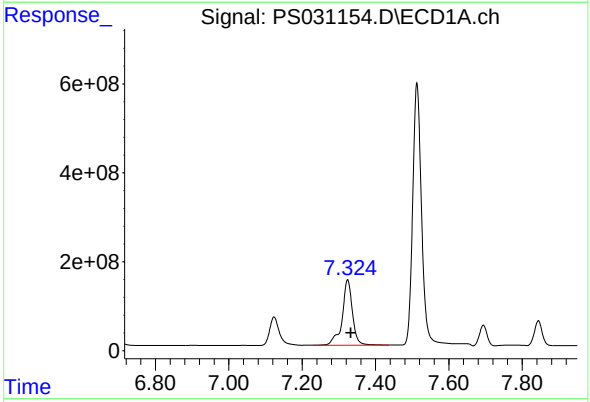
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/23/2025



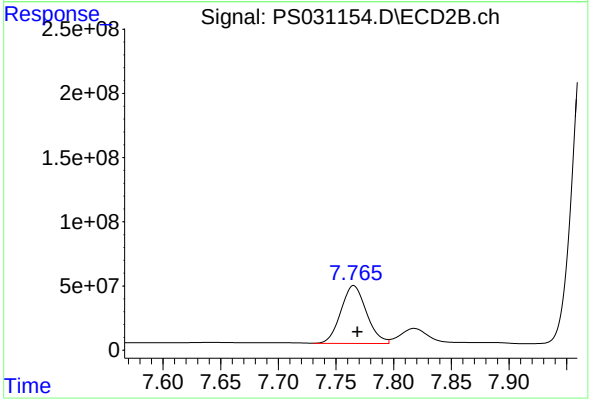
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.003 min
Response: 1085390069
Conc: 622.40 ng/ml



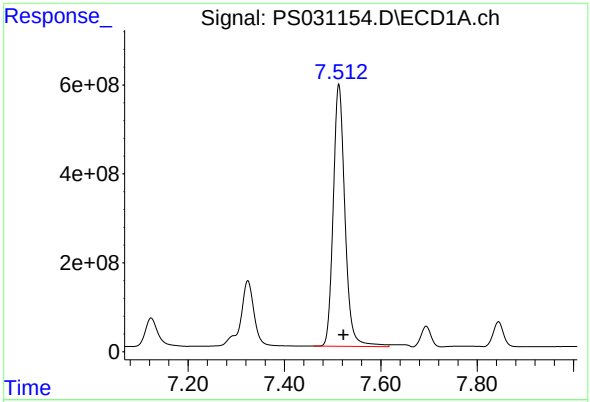
#4 2,4-DCAA

R.T.: 7.324 min
Delta R.T.: -0.009 min
Response: 2864942412
Conc: 724.37 ng/ml



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.003 min
Response: 695644323
Conc: 671.45 ng/ml



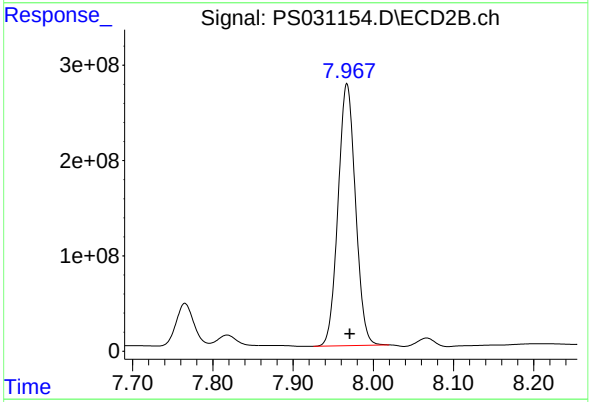
#5 DICAMBA

R.T.: 7.513 min
Delta R.T.: -0.010 min
Response: 9926716495
Conc: 632.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

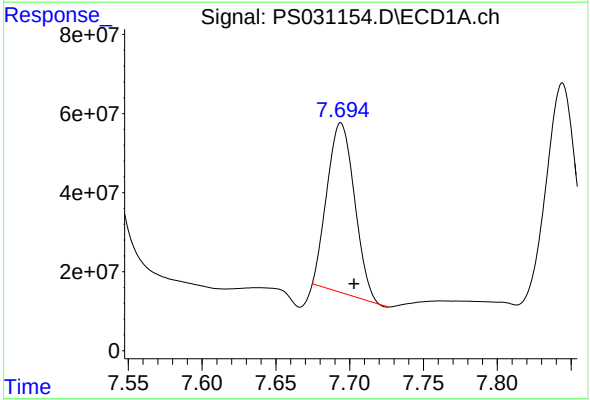
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/23/2025



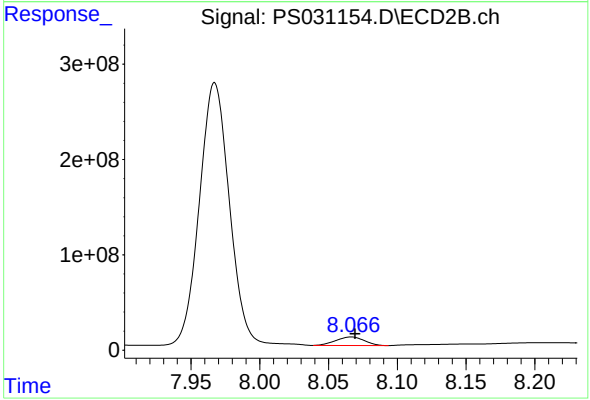
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.003 min
Response: 4142262302
Conc: 639.59 ng/ml



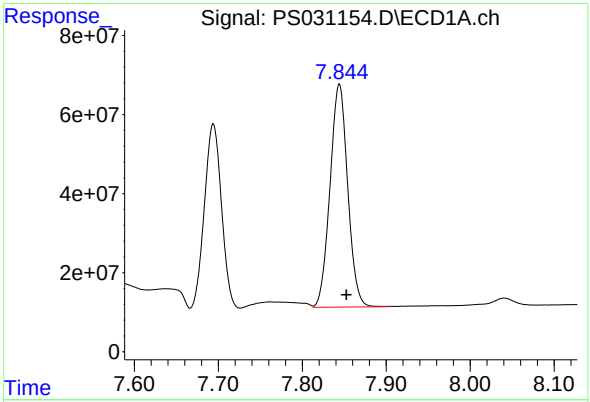
#6 MCPP

R.T.: 7.694 min
Delta R.T.: -0.009 min
Response: 554552111
Conc: 60.27 ug/ml



#6 MCPP

R.T.: 8.066 min
Delta R.T.: -0.003 min
Response: 128961953
Conc: 60.32 ug/ml



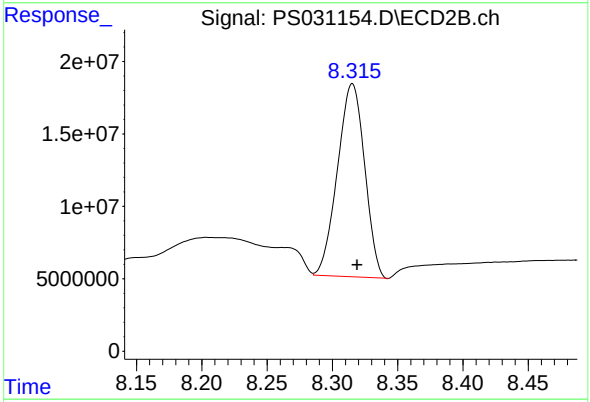
#7 MCPA

R.T.: 7.844 min
Delta R.T.: -0.009 min
Response: 825566403
Conc: 75.69 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

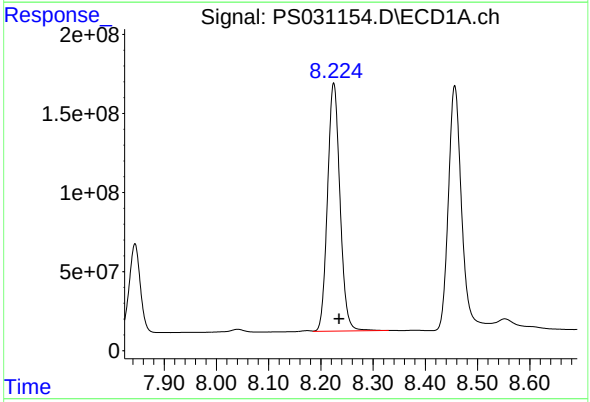
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/23/2025



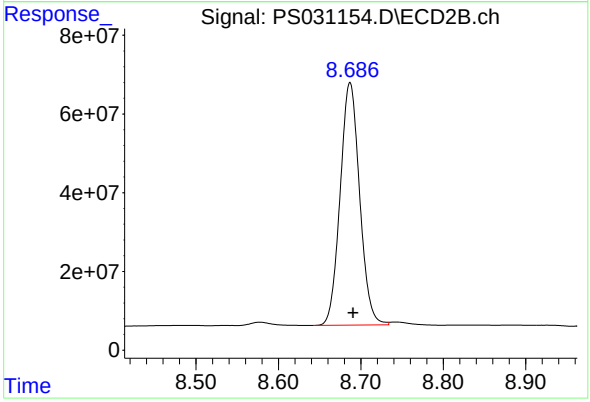
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.004 min
Response: 192801559
Conc: 60.14 ug/ml



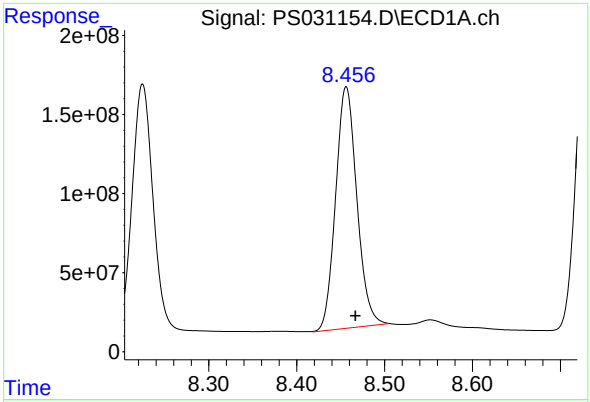
#8 DICHLORPROP

R.T.: 8.225 min
Delta R.T.: -0.010 min
Response: 2596651501
Conc: 762.56 ng/ml



#8 DICHLORPROP

R.T.: 8.687 min
Delta R.T.: -0.004 min
Response: 1011553653
Conc: 665.82 ng/ml



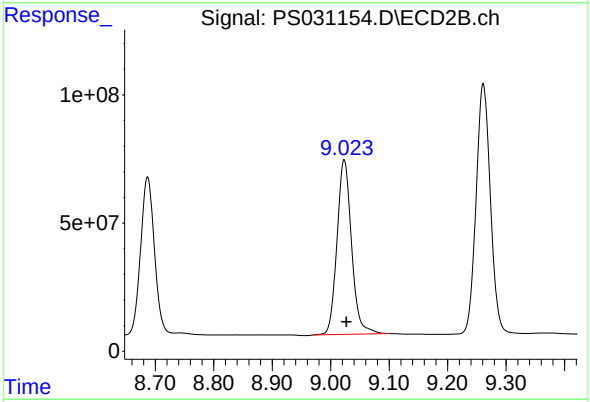
#9 2,4-D

R.T.: 8.456 min
Delta R.T.: -0.011 min
Response: 2561653103
Conc: 832.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

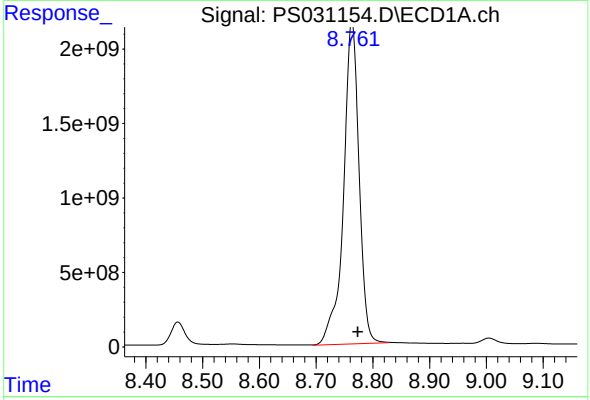
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/23/2025



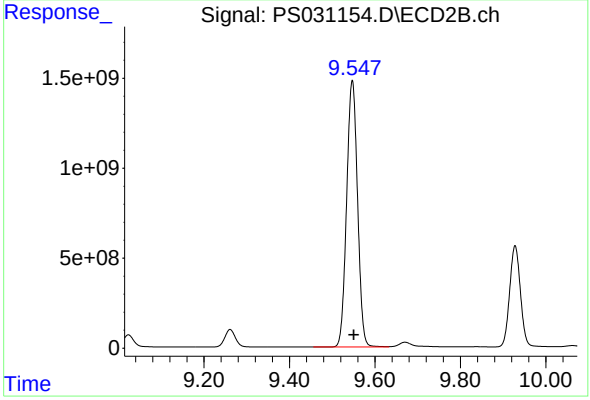
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: -0.004 min
Response: 1178772599
Conc: 693.61 ng/ml



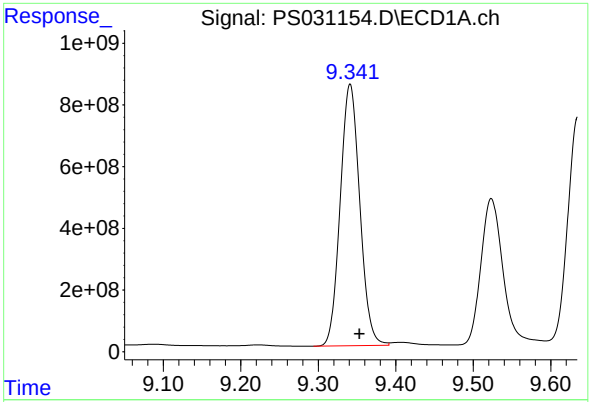
#10 Pentachlorophenol

R.T.: 8.761 min
Delta R.T.: -0.012 min
Response: 41089256201
Conc: 817.51 ng/ml m



#10 Pentachlorophenol

R.T.: 9.547 min
Delta R.T.: -0.003 min
Response: 26234088984
Conc: 680.78 ng/ml



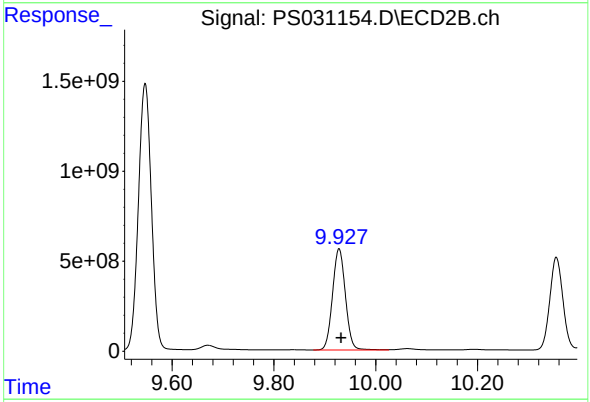
#11 2,4,5-TP (SILVEX)

R.T.: 9.341 min
Delta R.T.: -0.012 min
Response: 14871065411
Conc: 799.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

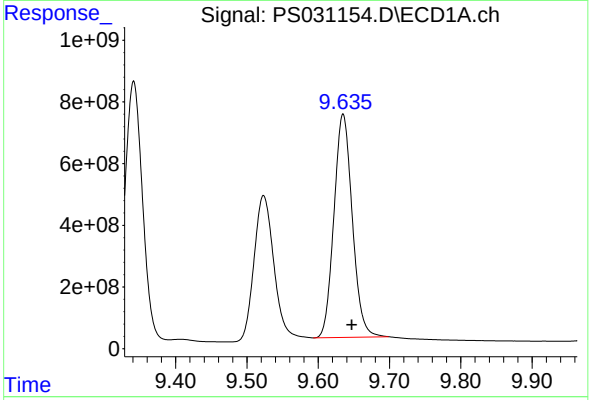
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/23/2025



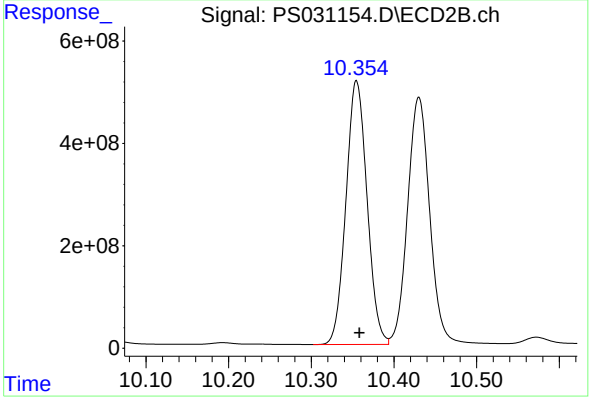
#11 2,4,5-TP (SILVEX)

R.T.: 9.928 min
Delta R.T.: -0.004 min
Response: 9881846318
Conc: 673.34 ng/ml



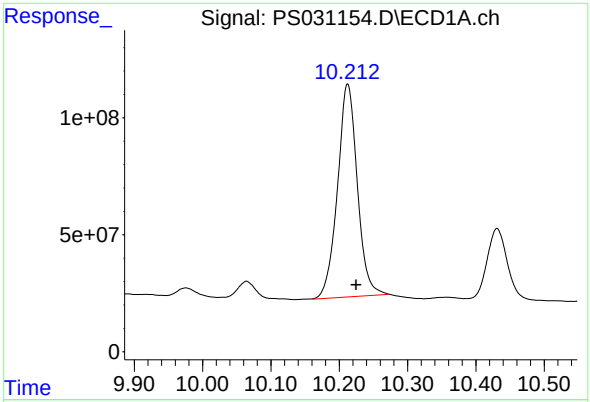
#12 2,4,5-T

R.T.: 9.634 min
Delta R.T.: -0.012 min
Response: 12941949504
Conc: 850.70 ng/ml m



#12 2,4,5-T

R.T.: 10.355 min
Delta R.T.: -0.004 min
Response: 9148546193
Conc: 653.85 ng/ml



#13 2,4-DB

R.T.: 10.212 min
Delta R.T.: -0.013 min
Response: 1832245980
Conc: 844.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

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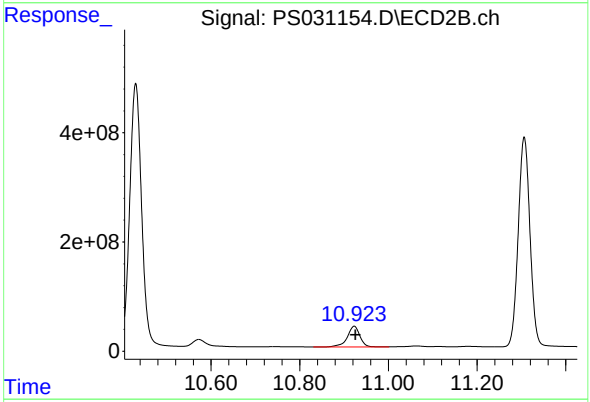
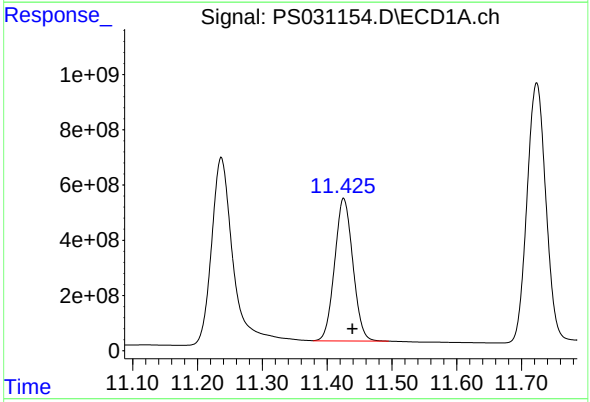
Supervised By :mohammad ahmed 07/23/2025



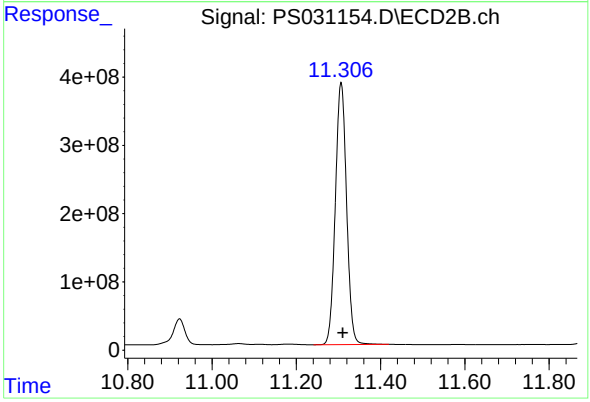
#13 2,4-DB

R.T.: 10.923 min
Delta R.T.: -0.003 min
Response: 745240561
Conc: 629.86 ng/ml



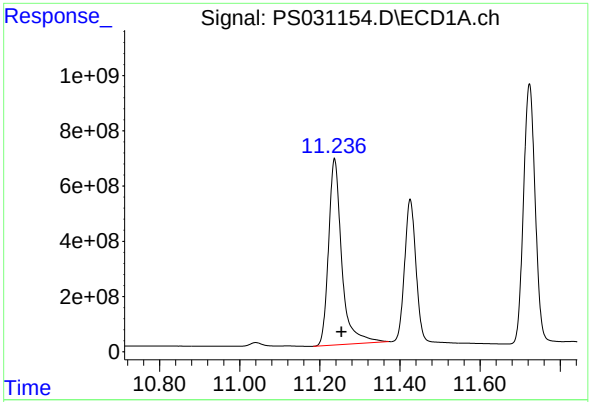
#14 DINOSEB

R.T.: 11.425 min
Delta R.T.: -0.014 min
Response: 10077536964
Conc: 764.38 ng/ml m



#14 DINOSEB

R.T.: 11.306 min
Delta R.T.: -0.004 min
Response: 7077925704
Conc: 623.52 ng/ml



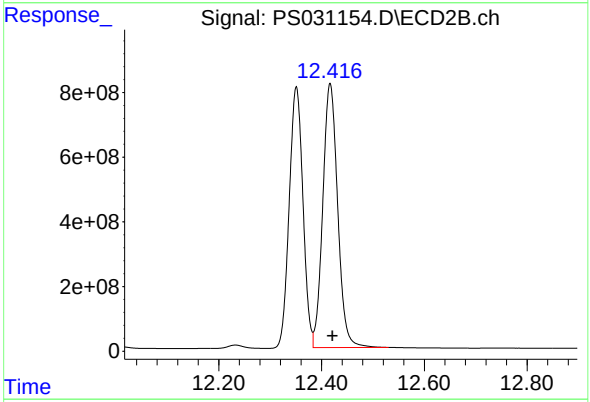
#15 Picloram

R.T.: 11.236 min
Delta R.T.: -0.018 min
Response: 15446847708
Conc: 1060.04 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

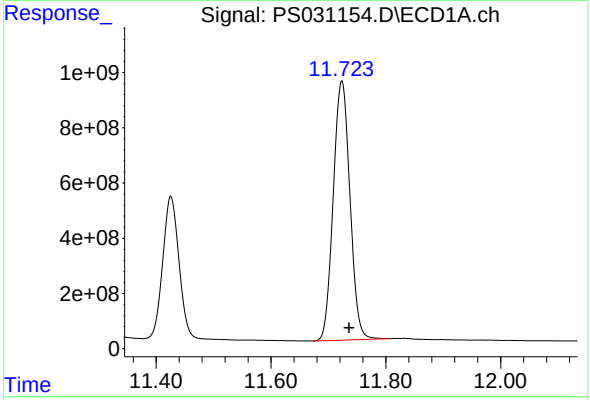
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/23/2025



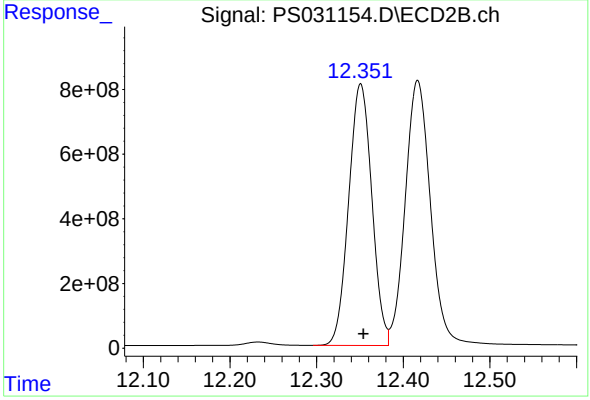
#15 Picloram

R.T.: 12.417 min
Delta R.T.: -0.004 min
Response: 16429142502
Conc: 699.69 ng/ml



#16 DCPA

R.T.: 11.723 min
Delta R.T.: -0.013 min
Response: 18958217316
Conc: 792.00 ng/ml m



#16 DCPA

R.T.: 12.351 min
Delta R.T.: -0.004 min
Response: 15040773800
Conc: 666.94 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 10:11 **Initial Calibration Time(s):** 15:02 16:39

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.51	7.51	7.41	7.61	0.00
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
Dalapon	2.69	2.69	2.59	2.79	0.00
DICHLORPROP	8.22	8.22	8.12	8.32	0.00
2,4-D	8.46	8.46	8.36	8.56	0.01
2,4,5-TP(Silvex)	9.34	9.34	9.24	9.44	0.00
2,4,5-T	9.63	9.64	9.54	9.74	0.01
2,4-DB	10.21	10.21	10.11	10.31	0.00
Dinoseb	11.43	11.43	11.33	11.53	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 10:11 **Initial Calibration Time(s):** 15:02 16:39

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	7.76	7.77	7.67	7.87	0.01
Dalapon	2.70	2.70	2.60	2.80	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.92	10.82	11.02	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/22/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031173.D **Time Analyzed:** 10:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.634	9.536	9.736	734.800	712.500	3.1
2,4,5-TP(Silvex)	9.339	9.242	9.442	711.570	712.500	-0.1
2,4-D	8.455	8.356	8.556	705.490	705.000	0.1
2,4-DB	10.210	10.113	10.313	750.220	712.500	5.3
2,4-DCAA	7.323	7.225	7.425	738.150	750.000	-1.6
Dalapon	2.689	2.590	2.790	653.950	682.500	-4.2
DICAMBA	7.512	7.414	7.614	697.100	705.000	-1.1
DICHLORPROP	8.223	8.124	8.324	682.330	705.000	-3.2
Dinoseb	11.425	11.327	11.527	698.650	705.000	-0.9

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/22/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031173.D **Time Analyzed:** 10:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.353	10.256	10.456	696.510	712.500	-2.2
2,4,5-TP(Silvex)	9.926	9.829	10.029	697.540	712.500	-2.1
2,4-D	9.022	8.924	9.124	677.080	705.000	-4.0
2,4-DB	10.921	10.823	11.023	694.370	712.500	-2.5
2,4-DCAA	7.764	7.666	7.866	720.360	750.000	-4.0
Dalapon	2.703	2.603	2.803	643.740	682.500	-5.7
DICAMBA	7.966	7.868	8.068	690.700	705.000	-2.0
DICHLORPROP	8.685	8.588	8.788	675.290	705.000	-4.2
Dinoseb	11.305	11.208	11.408	684.930	705.000	-2.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031173.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 10:11
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: Jul 23 01:53:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.323	7.764	3209.7E6	731.1E6	738.152	720.359
		Target Compounds						
1)	T	Dalapon	2.689	2.703	4102.2E6	1826.1E6	653.955	643.743
2)	T	3,5-DICHL...	6.485	6.711	3774.7E6	1022.0E6	683.477	663.682
3)	T	4-Nitroph...	7.122	7.298	1169.1E6	1194.2E6	709.041	660.053
5)	T	DICAMBA	7.512	7.966	11500.0E6	4457.3E6	697.096	690.699
6)	T	MCPP	7.693	8.065	725.9E6	144.7E6	72.518	69.624
7)	T	MCPA	7.843	8.314	892.8E6	215.0E6	71.345	68.154
8)	T	DICHLORPROP	8.223	8.685	2607.8E6	1023.0E6	682.328	675.289
9)	T	2,4-D	8.455	9.022	2634.9E6	1149.9E6	705.485	677.084
10)	T	Pentachlo...	8.762	9.545	41070.3E6	27957.8E6	751.906	715.376
11)	T	2,4,5-TP ...	9.339	9.926	15621.5E6	10389.3E6	711.571	697.539
12)	T	2,4,5-T	9.634	10.353	14349.1E6	9904.0E6	734.804	696.507
13)	T	2,4-DB	10.210	10.921	2243.1E6	812.8E6	750.224	694.373
14)	T	DINOSEB	11.425	11.305	10877.6E6	7741.1E6	698.647	684.931
15)	T	Picloram	11.235	12.416	15271.7E6	17885.1E6	763.336	718.420
16)	T	DCPA	11.721	12.349	20621.6E6	16379.6E6	718.686	711.042

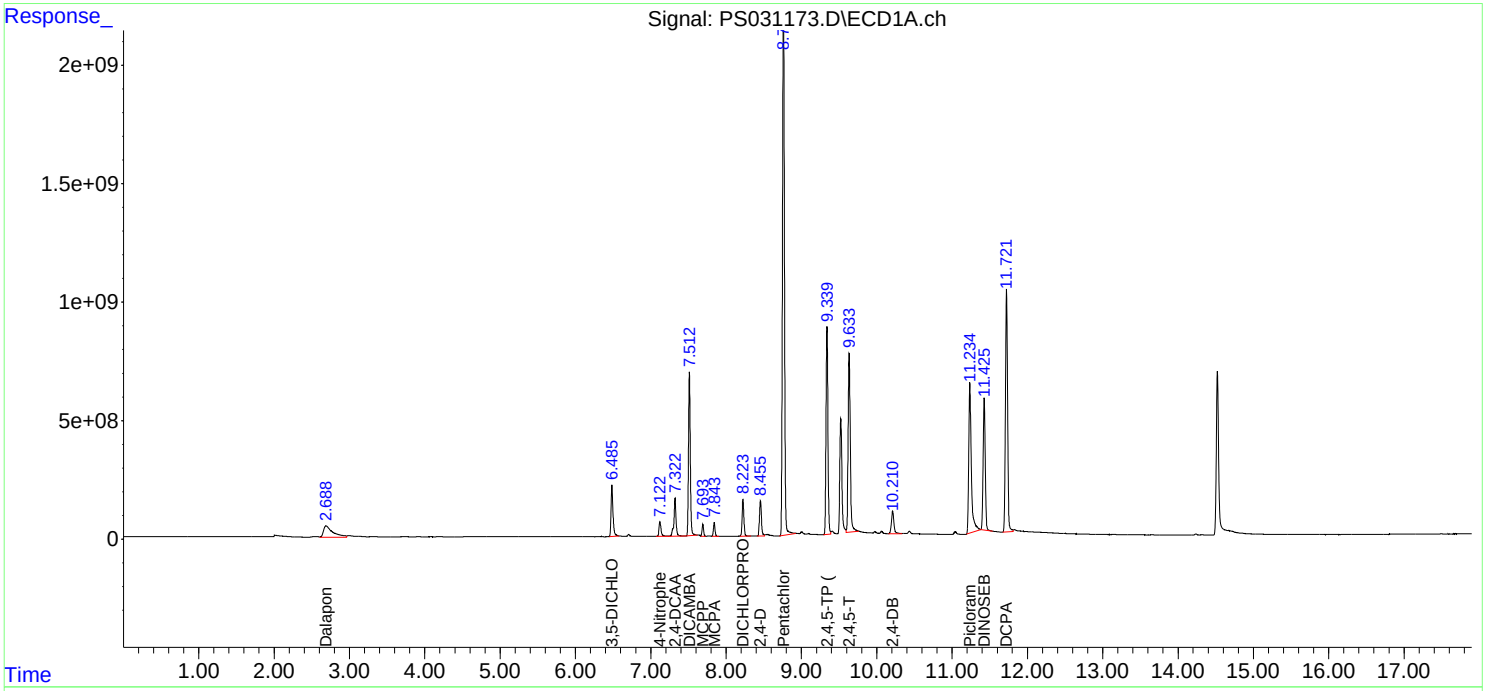
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

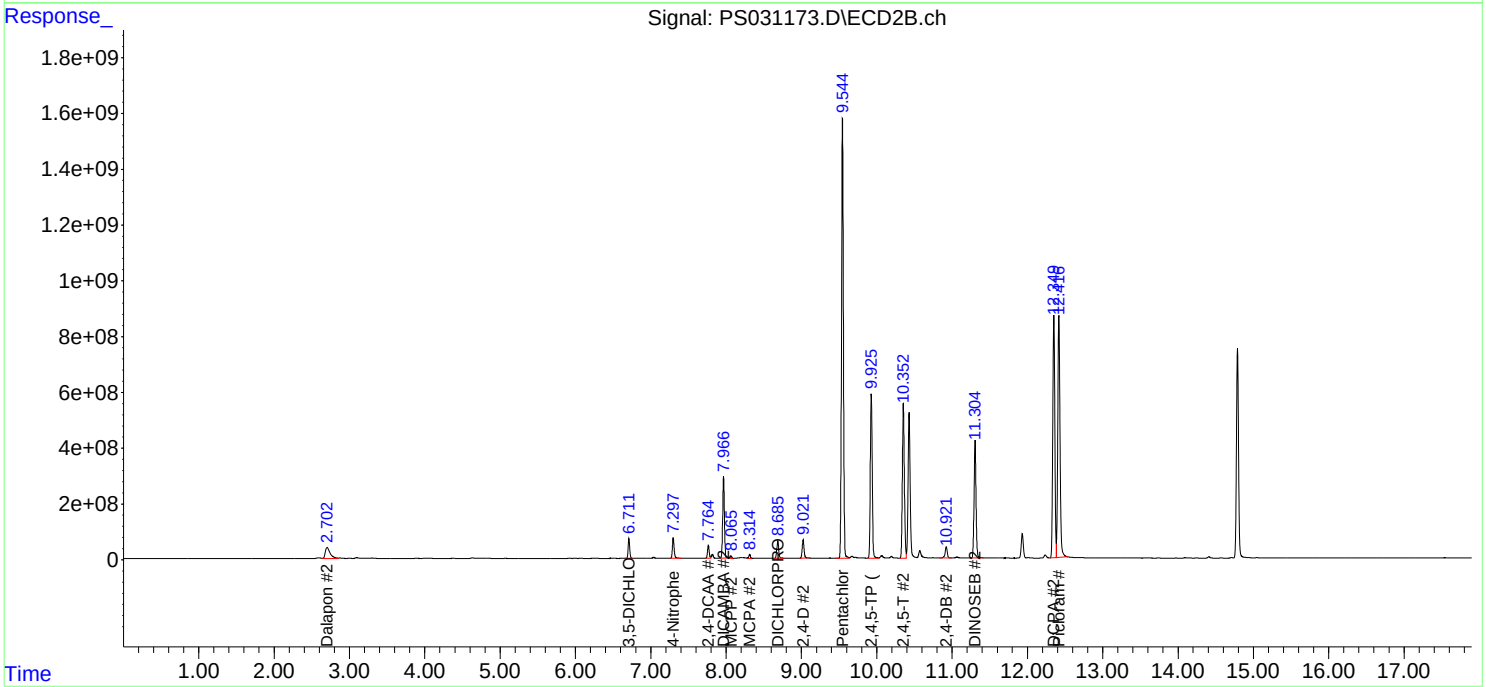
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031173.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 10:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

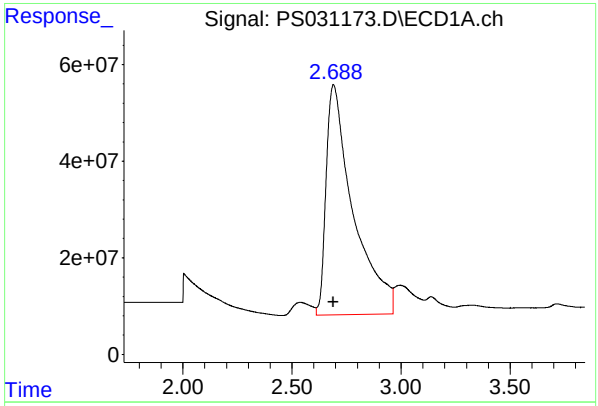
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:53:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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



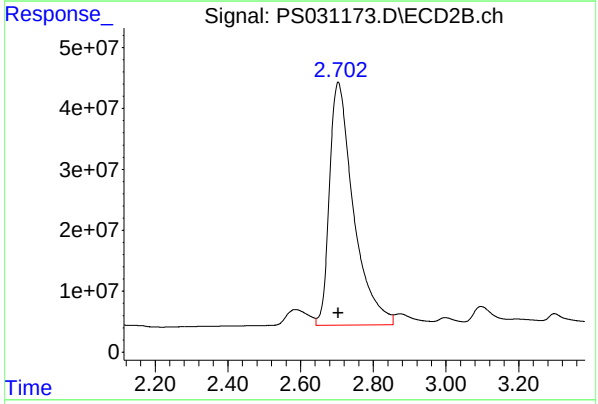




#1 Dalapon

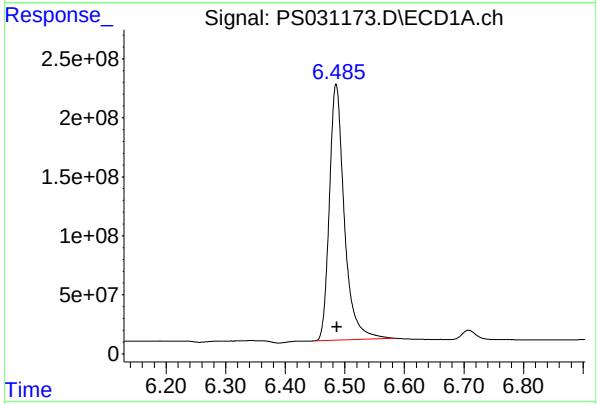
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 4102194944
Conc: 653.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



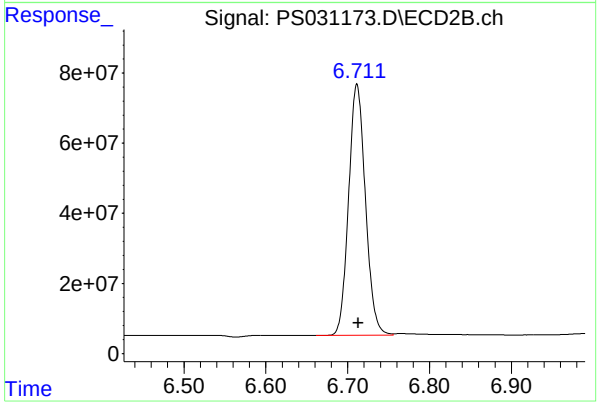
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1826132031
Conc: 643.74 ng/ml



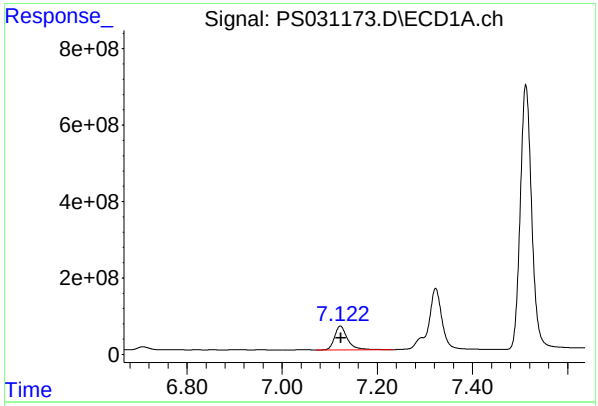
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.485 min
Delta R.T.: -0.001 min
Response: 3774675727
Conc: 683.48 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

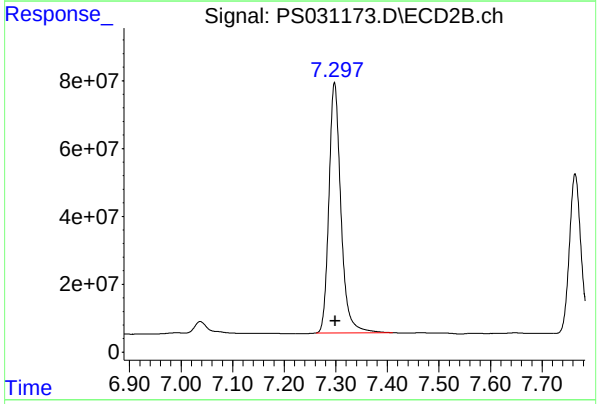
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1022000616
Conc: 663.68 ng/ml



#3 4-Nitrophenol

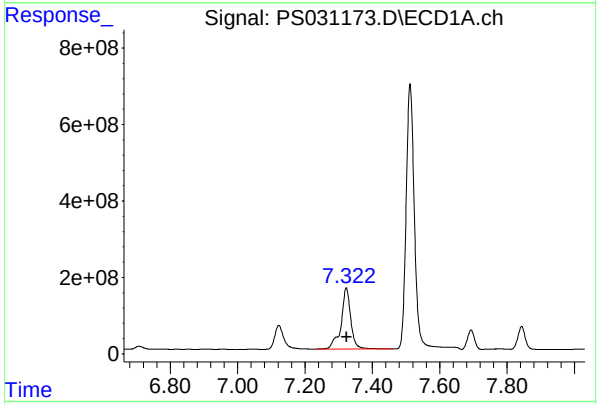
R.T.: 7.122 min
Delta R.T.: -0.002 min
Response: 1169056564
Conc: 709.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



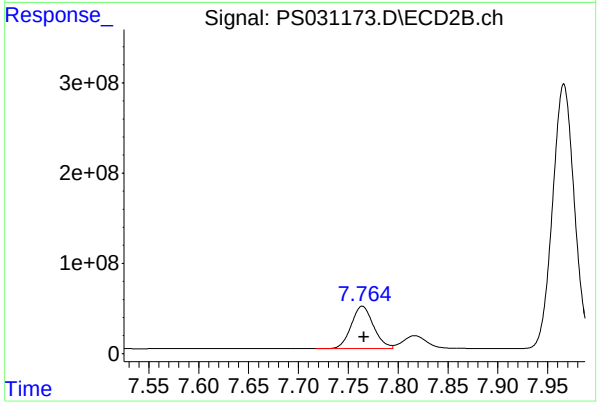
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 1194245718
Conc: 660.05 ng/ml



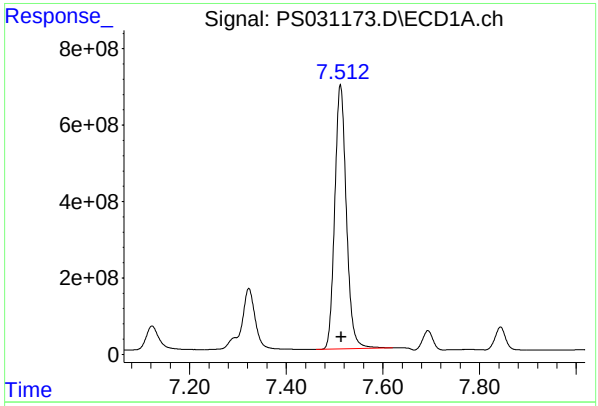
#4 2,4-DCAA

R.T.: 7.323 min
Delta R.T.: -0.002 min
Response: 3209671577
Conc: 738.15 ng/ml



#4 2,4-DCAA

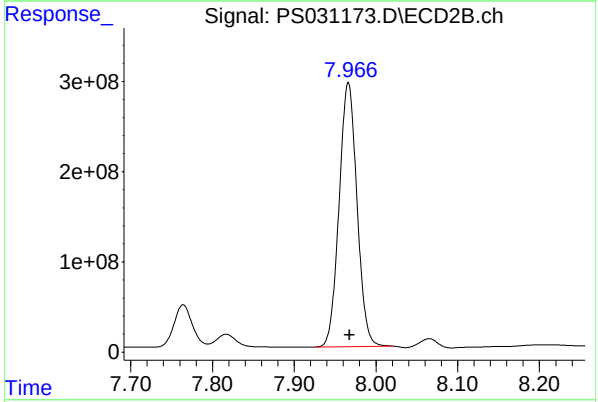
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 731141249
Conc: 720.36 ng/ml



#5 DICAMBA

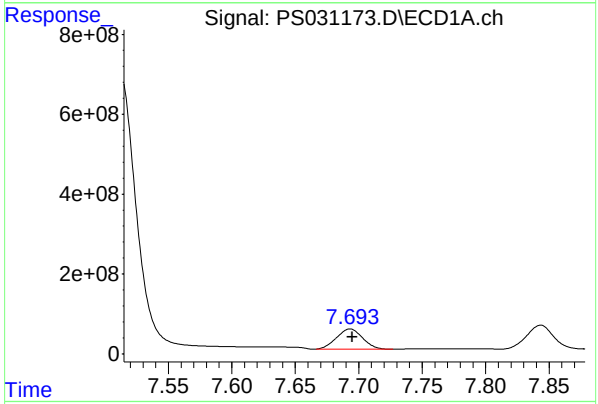
R.T.: 7.512 min
Delta R.T.: -0.002 min
Response: 11499974815
Conc: 697.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



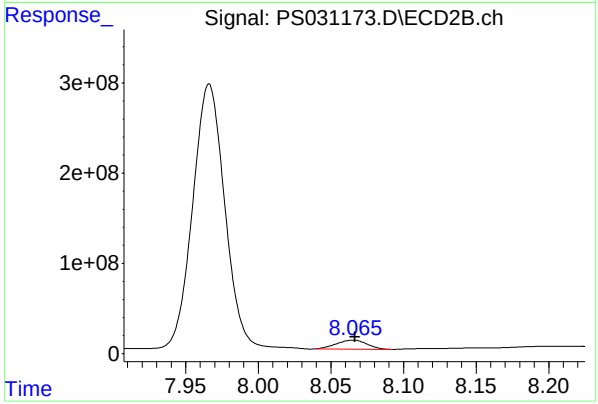
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4457338471
Conc: 690.70 ng/ml



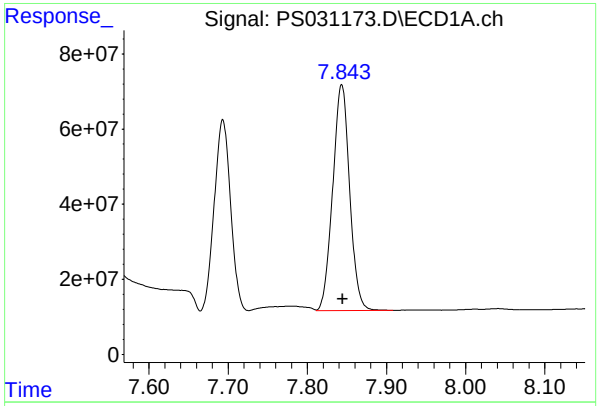
#6 MCPP

R.T.: 7.693 min
Delta R.T.: -0.002 min
Response: 725908630
Conc: 72.52 ug/ml



#6 MCPP

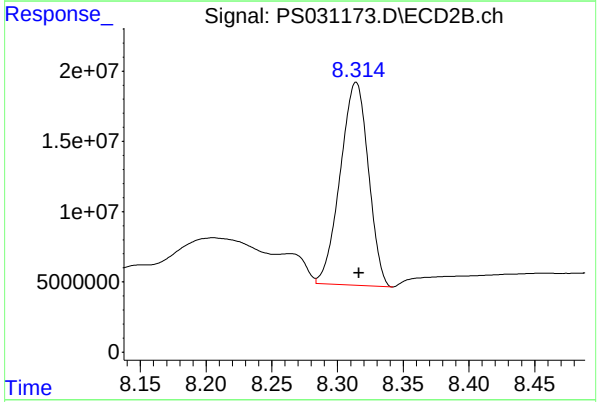
R.T.: 8.065 min
Delta R.T.: -0.001 min
Response: 144665612
Conc: 69.62 ug/ml



#7 MCPA

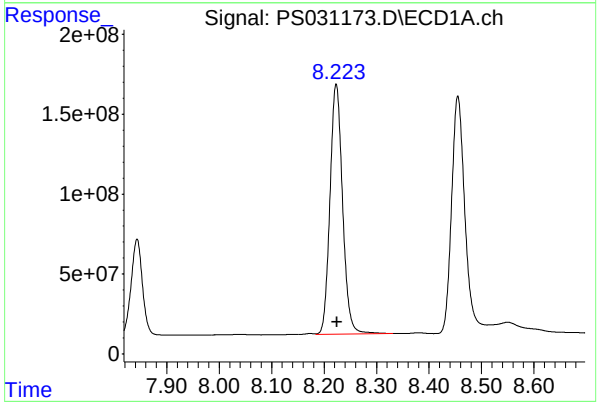
R.T.: 7.843 min
Delta R.T.: -0.001 min
Response: 892822031
Conc: 71.34 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



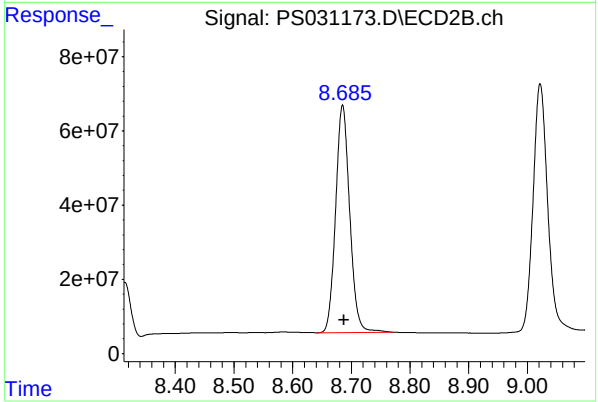
#7 MCPA

R.T.: 8.314 min
Delta R.T.: -0.002 min
Response: 215041045
Conc: 68.15 ug/ml



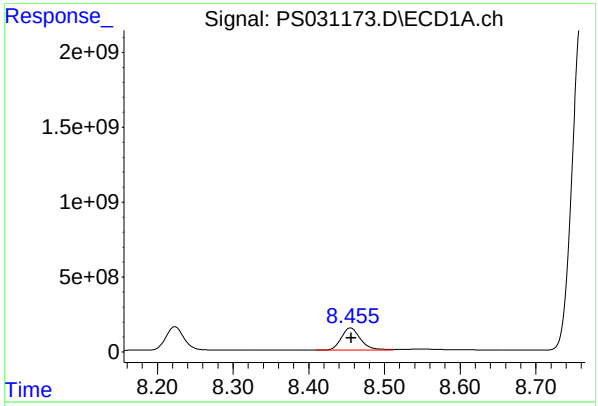
#8 DICHLORPROP

R.T.: 8.223 min
Delta R.T.: -0.001 min
Response: 2607829039
Conc: 682.33 ng/ml



#8 DICHLORPROP

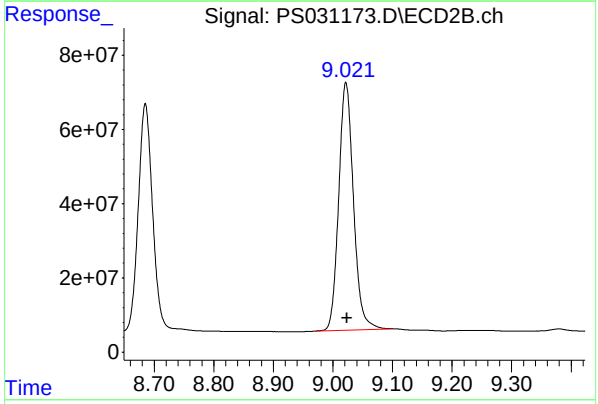
R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1022968251
Conc: 675.29 ng/ml



#9 2,4-D

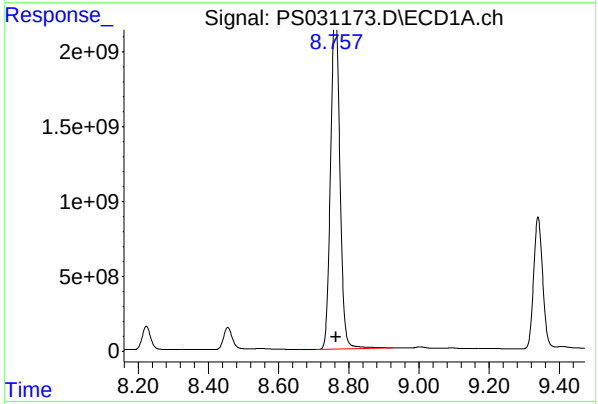
R.T.: 8.455 min
Delta R.T.: -0.001 min
Response: 2634928953
Conc: 705.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



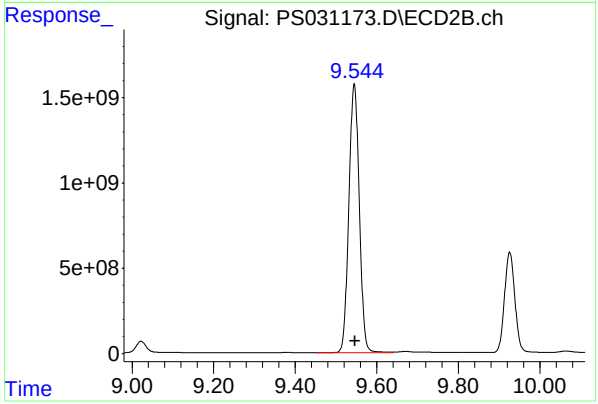
#9 2,4-D

R.T.: 9.022 min
Delta R.T.: -0.002 min
Response: 1149905328
Conc: 677.08 ng/ml



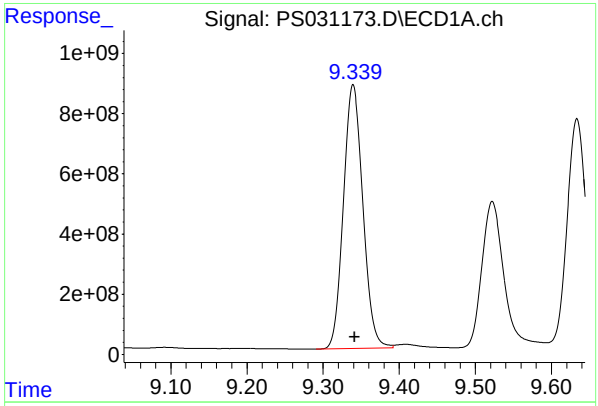
#10 Pentachlorophenol

R.T.: 8.762 min
Delta R.T.: -0.002 min
Response: 41070283115
Conc: 751.91 ng/ml



#10 Pentachlorophenol

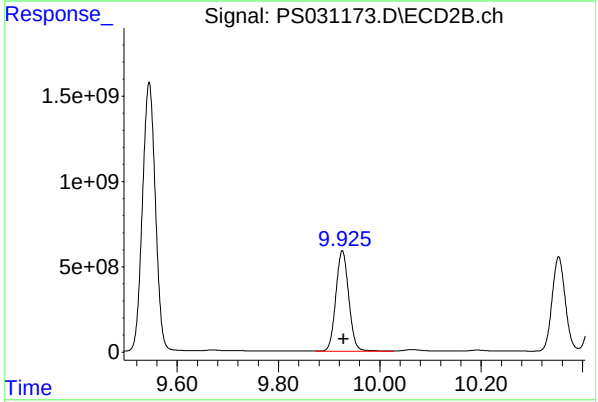
R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 27957762125
Conc: 715.38 ng/ml



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

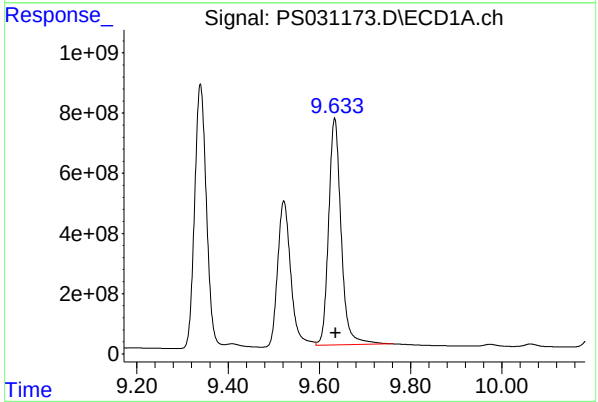
R.T.: 9.339 min
Delta R.T.: -0.003 min
Response: 15621521449
Conc: 711.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



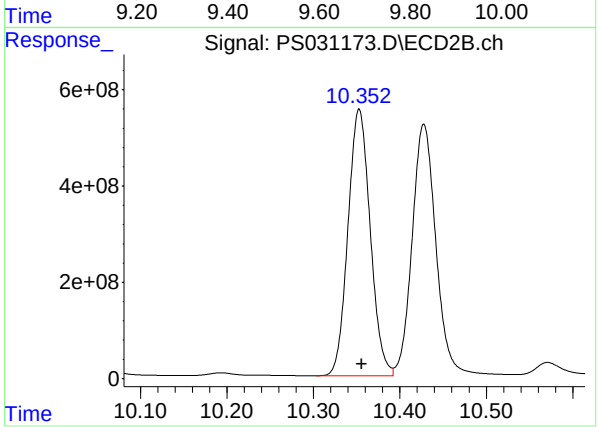
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 10389278683
Conc: 697.54 ng/ml



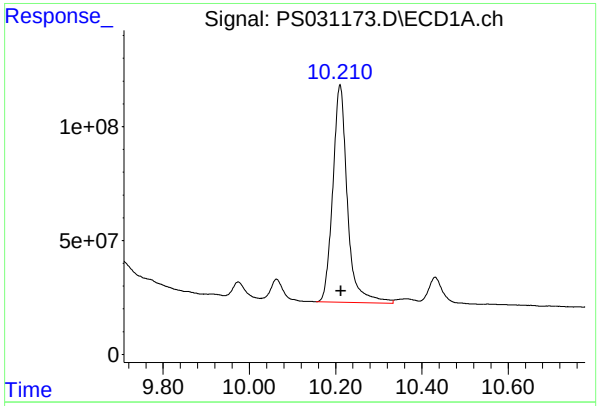
#12 2,4,5-T

R.T.: 9.634 min
Delta R.T.: -0.002 min
Response: 14349103876
Conc: 734.80 ng/ml



#12 2,4,5-T

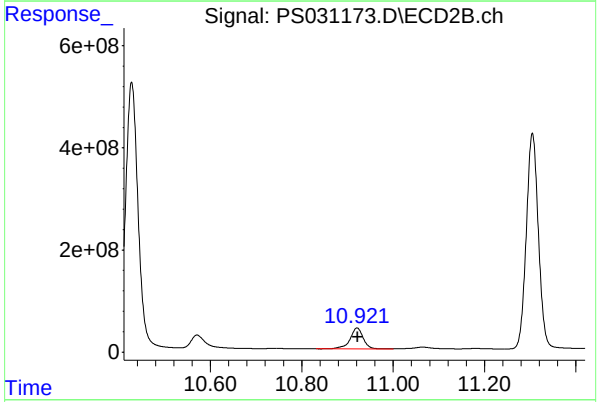
R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 9903953875
Conc: 696.51 ng/ml



#13 2,4-DB

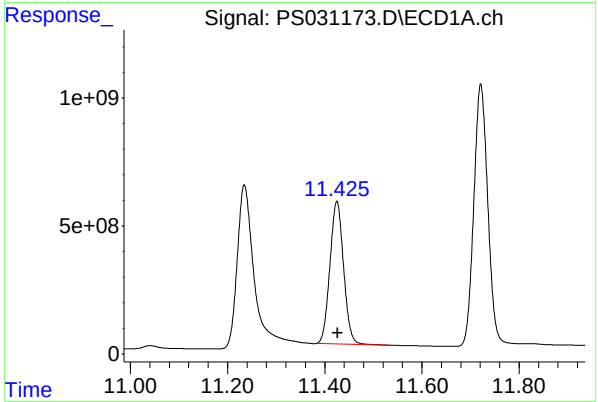
R.T.: 10.210 min
Delta R.T.: -0.002 min
Response: 2243081834
Conc: 750.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



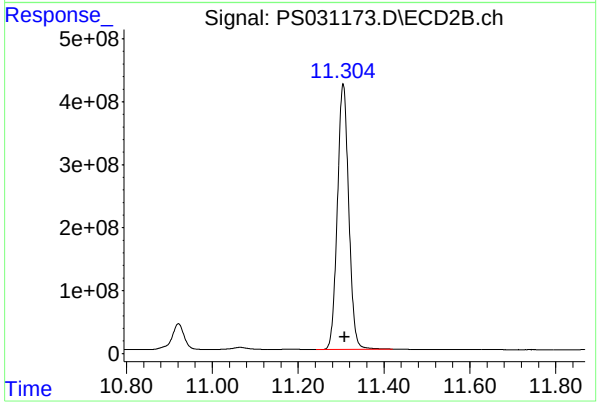
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.002 min
Response: 812771637
Conc: 694.37 ng/ml



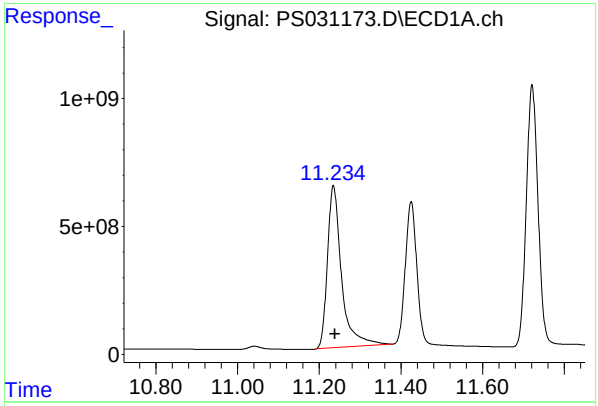
#14 DINOSEB

R.T.: 11.425 min
Delta R.T.: -0.002 min
Response: 10877582073
Conc: 698.65 ng/ml



#14 DINOSEB

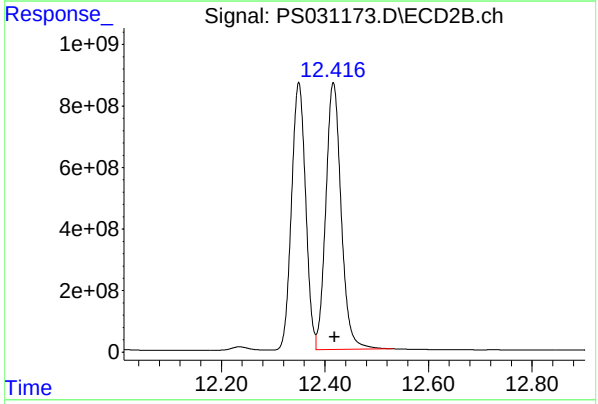
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 7741149137
Conc: 684.93 ng/ml



#15 Picloram

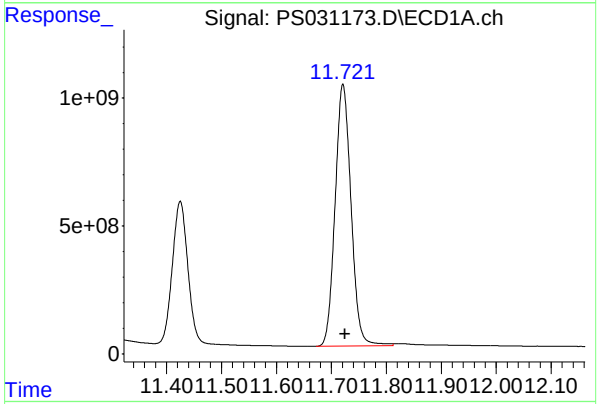
R.T.: 11.235 min
Delta R.T.: -0.004 min
Response: 15271745084
Conc: 763.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



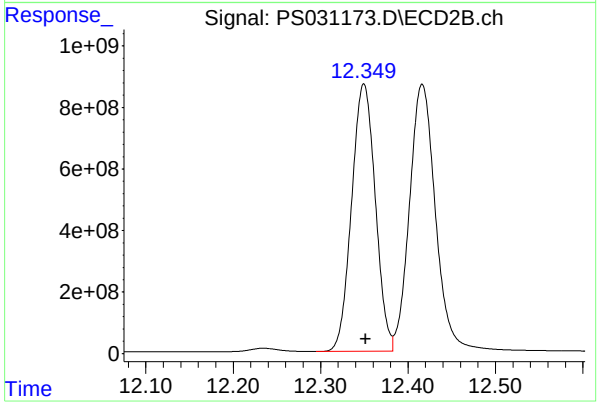
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.002 min
Response: 17885091474
Conc: 718.42 ng/ml



#16 DCPA

R.T.: 11.721 min
Delta R.T.: -0.003 min
Response: 20621598094
Conc: 718.69 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.002 min
Response: 16379584066
Conc: 711.04 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 15:16 **Initial Calibration Time(s):** 15:02 16:39

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.51	7.51	7.41	7.61	0.00
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
Dalapon	2.69	2.69	2.59	2.79	0.00
DICHLORPROP	8.22	8.22	8.12	8.32	0.00
2,4-D	8.45	8.46	8.36	8.56	0.01
2,4,5-TP(Silvex)	9.34	9.34	9.24	9.44	0.00
2,4,5-T	9.63	9.64	9.54	9.74	0.01
2,4-DB	10.21	10.21	10.11	10.31	0.00
Dinoseb	11.42	11.43	11.33	11.53	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 15:16 **Initial Calibration Time(s):** 15:02 16:39

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	7.76	7.77	7.67	7.87	0.01
Dalapon	2.70	2.70	2.60	2.80	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.92	10.82	11.02	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/22/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031177.D **Time Analyzed:** 15:16

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.633	9.536	9.736	764.550	712.500	7.3
2,4,5-TP(Silvex)	9.339	9.242	9.442	731.510	712.500	2.7
2,4-D	8.454	8.356	8.556	738.670	705.000	4.8
2,4-DB	10.209	10.113	10.313	781.920	712.500	9.7
2,4-DCAA	7.323	7.225	7.425	756.860	750.000	0.9
Dalapon	2.687	2.590	2.790	669.820	682.500	-1.9
DICAMBA	7.511	7.414	7.614	717.290	705.000	1.7
DICHLORPROP	8.222	8.124	8.324	701.800	705.000	-0.5
Dinoseb	11.423	11.327	11.527	718.060	705.000	1.9

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/22/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031177.D **Time Analyzed:** 15:16

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.353	10.256	10.456	715.750	712.500	0.5
2,4,5-TP(Silvex)	9.927	9.829	10.029	716.110	712.500	0.5
2,4-D	9.022	8.924	9.124	694.930	705.000	-1.4
2,4-DB	10.921	10.823	11.023	716.620	712.500	0.6
2,4-DCAA	7.764	7.666	7.866	738.240	750.000	-1.6
Dalapon	2.702	2.603	2.803	661.420	682.500	-3.1
DICAMBA	7.966	7.868	8.068	711.020	705.000	0.9
DICHLORPROP	8.685	8.588	8.788	689.190	705.000	-2.2
Dinoseb	11.305	11.208	11.408	704.420	705.000	-0.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 15:16
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:54:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.323	7.764	3291.0E6	749.3E6	756.860	738.237
	Target Compounds						
1) T	Dalapon	2.687	2.702	4201.7E6	1876.3E6	669.818	661.424
2) T	3,5-DICHL...	6.485	6.711	3870.7E6	1048.2E6	700.857	680.725
3) T	4-Nitroph...	7.121	7.298	1215.0E6	1231.4E6	736.912	680.599
5) T	DICAMBA	7.511	7.966	11833.1E6	4588.5E6	717.287	711.024
6) T	MCPP	7.693	8.065	756.1E6	148.6E6	75.539	71.535
7) T	MCPA	7.843	8.315	922.0E6	217.9E6	73.677	69.069
8) T	DICHLORPROP	8.222	8.685	2682.2E6	1044.0E6	701.798	689.193
9) T	2,4-D	8.454	9.022	2758.9E6	1180.2E6	738.670	694.927
10) T	Pentachlo...	8.762	9.545	41420.3E6	28763.5E6	758.315	735.993
11) T	2,4,5-TP ...	9.339	9.927	16059.2E6	10665.9E6	731.505	716.109
12) T	2,4,5-T	9.633	10.353	14930.0E6	10177.5E6	764.550	715.746
13) T	2,4-DB	10.209	10.921	2337.9E6	838.8E6	781.922	716.623
14) T	DINOSEB	11.423	11.305	11179.9E6	7961.4E6	718.063	704.420
15) T	Picloram	11.234	12.416	15738.8E6	18011.8E6	786.679	723.508
16) T	DCPA	11.722	12.349	21143.1E6	16842.2E6	736.860	731.125m

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

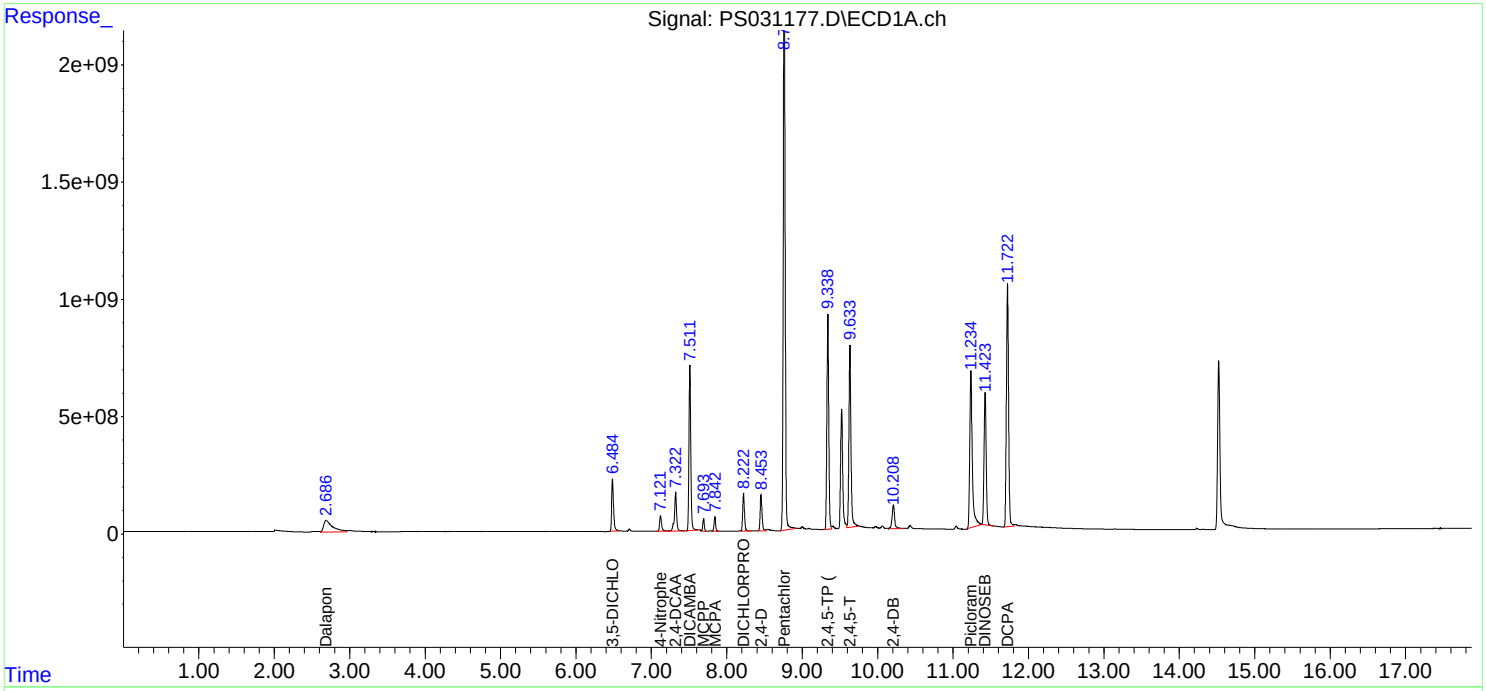
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 15:16
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

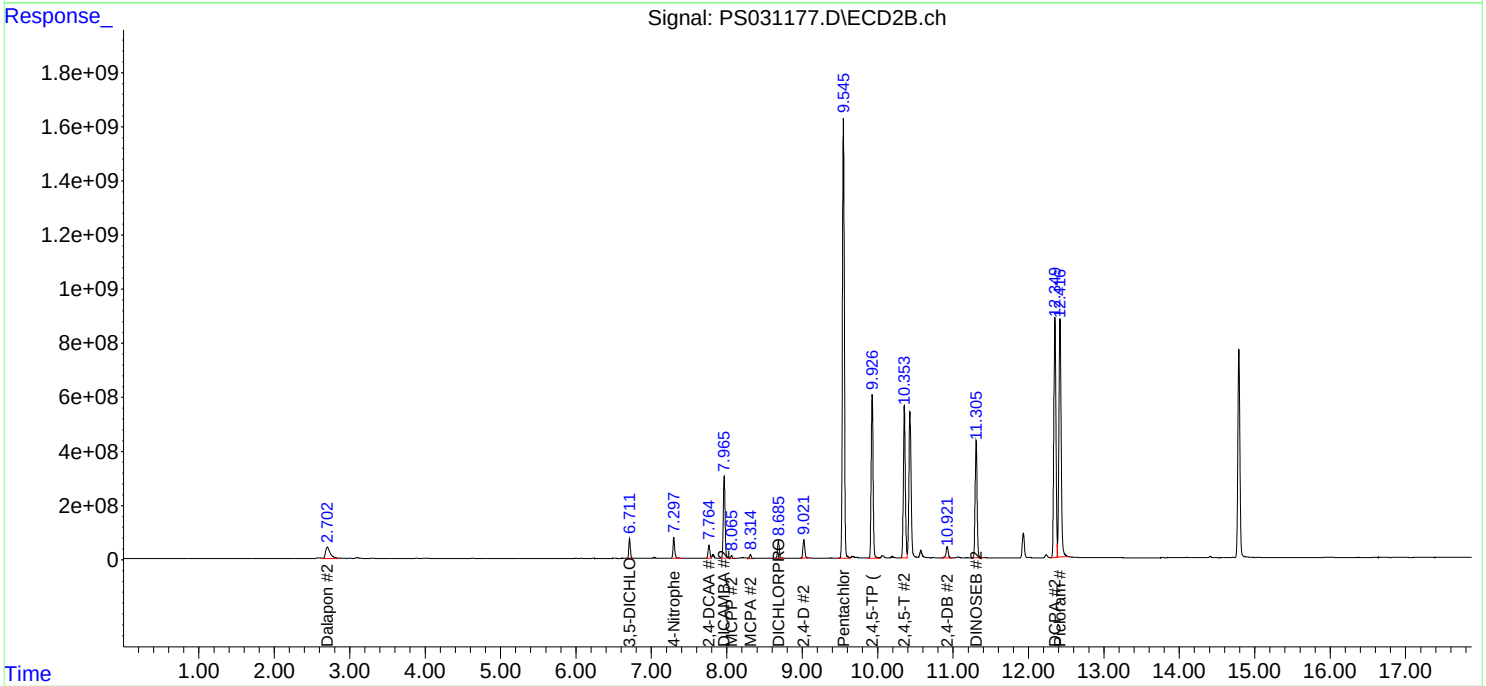
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

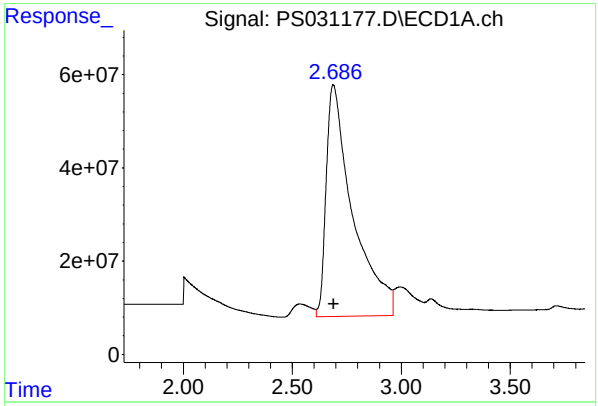
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:54:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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







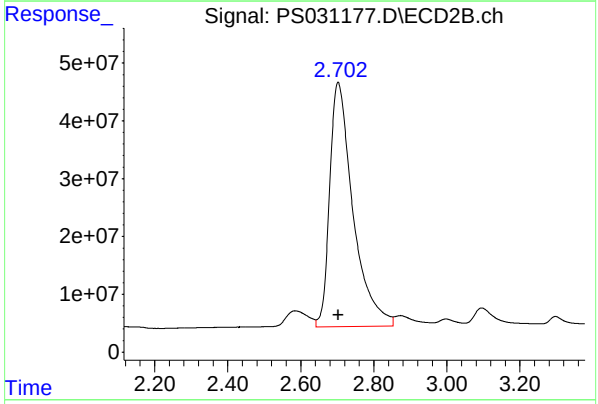
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 4201706155
Conc: 669.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

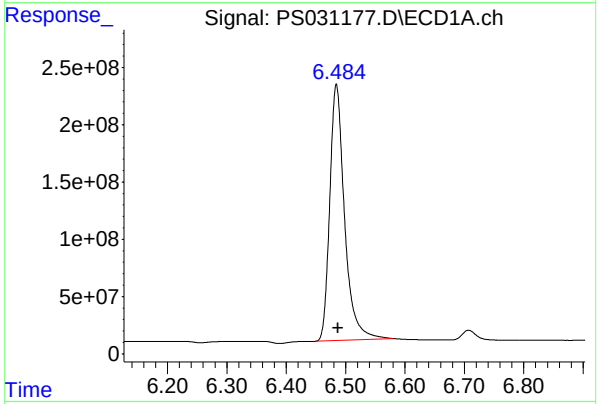
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



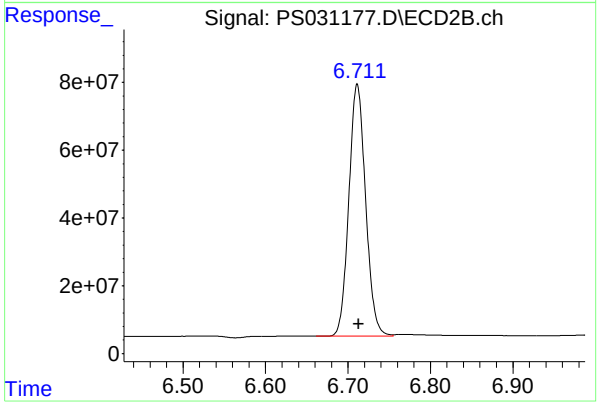
#1 Dalapon

R.T.: 2.702 min
Delta R.T.: -0.001 min
Response: 1876288111
Conc: 661.42 ng/ml



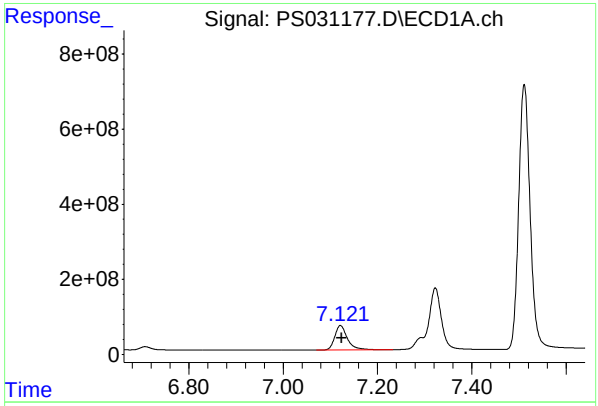
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.485 min
Delta R.T.: -0.002 min
Response: 3870656691
Conc: 700.86 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1048244225
Conc: 680.72 ng/ml



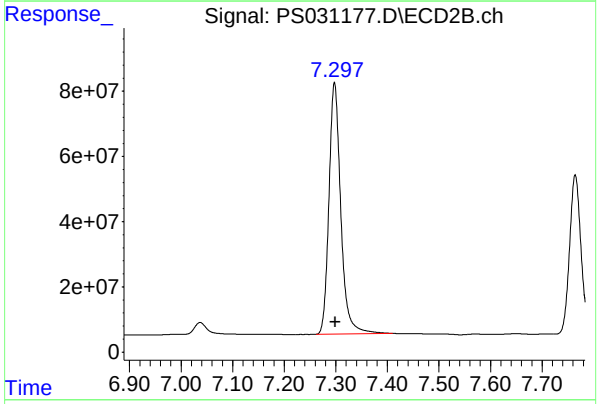
#3 4-Nitrophenol

R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 1215010296
Conc: 736.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

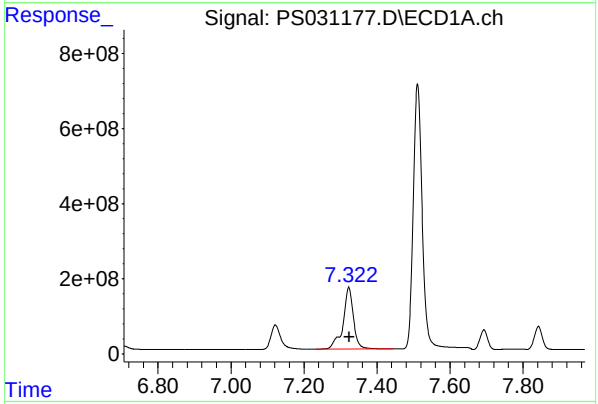
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



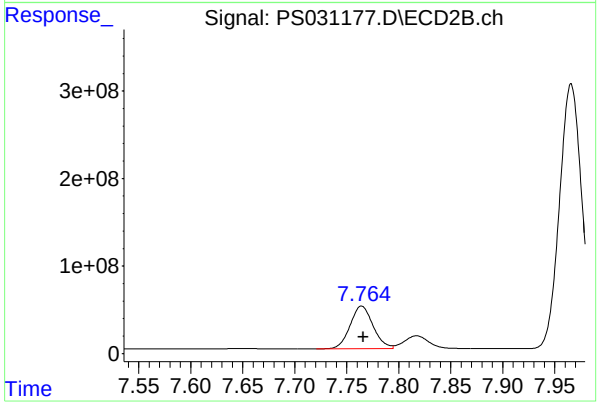
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 1231419373
Conc: 680.60 ng/ml



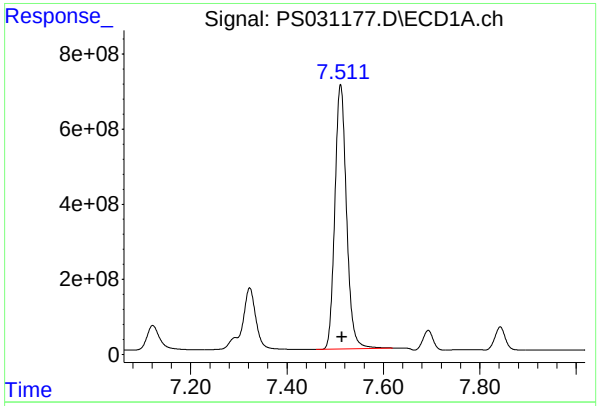
#4 2,4-DCAA

R.T.: 7.323 min
Delta R.T.: -0.002 min
Response: 3291018631
Conc: 756.86 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 749286939
Conc: 738.24 ng/ml



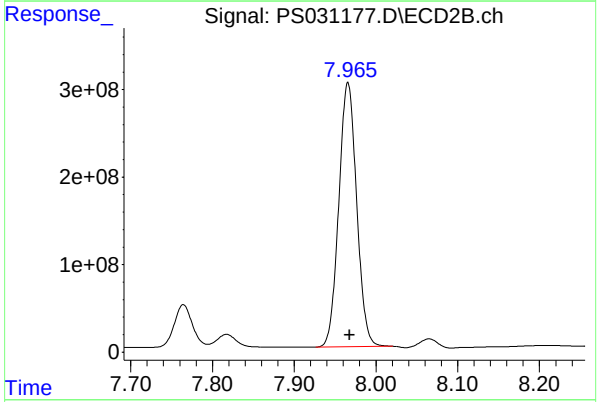
#5 DICAMBA

R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 11833060111
Conc: 717.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

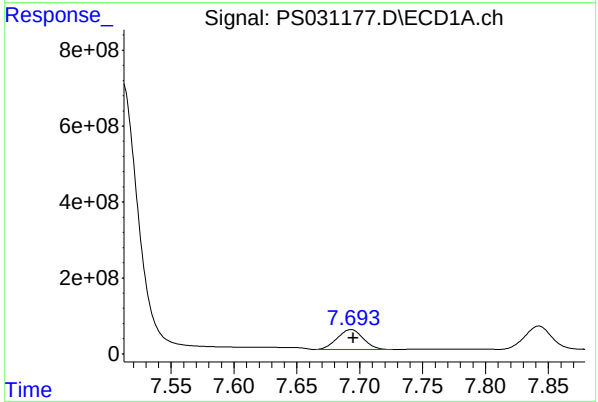
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



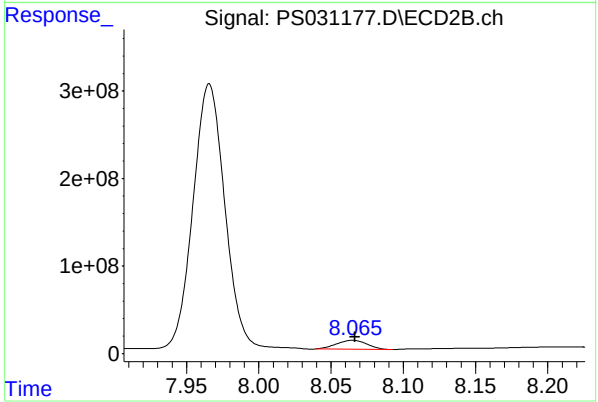
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4588501579
Conc: 711.02 ng/ml



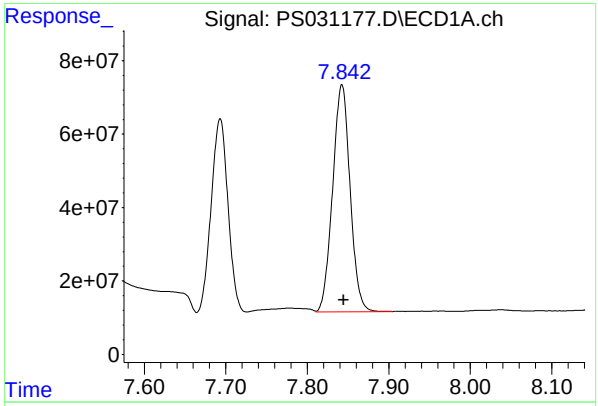
#6 MCPP

R.T.: 7.693 min
Delta R.T.: -0.002 min
Response: 756147423
Conc: 75.54 ug/ml



#6 MCPP

R.T.: 8.065 min
Delta R.T.: -0.002 min
Response: 148635108
Conc: 71.53 ug/ml



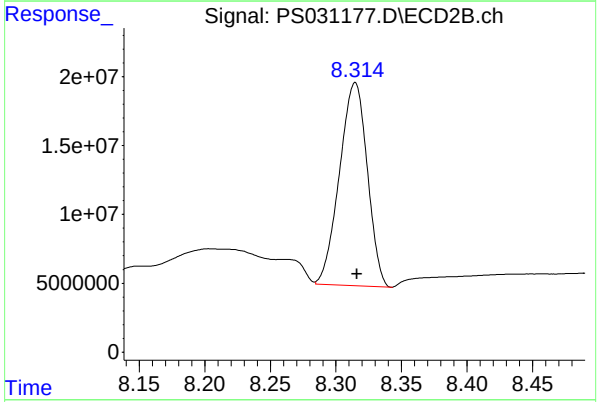
#7 MCPA

R.T.: 7.843 min
Delta R.T.: -0.002 min
Response: 922007654
Conc: 73.68 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

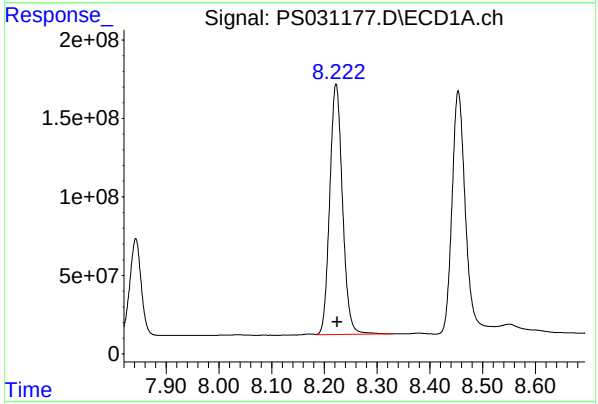
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



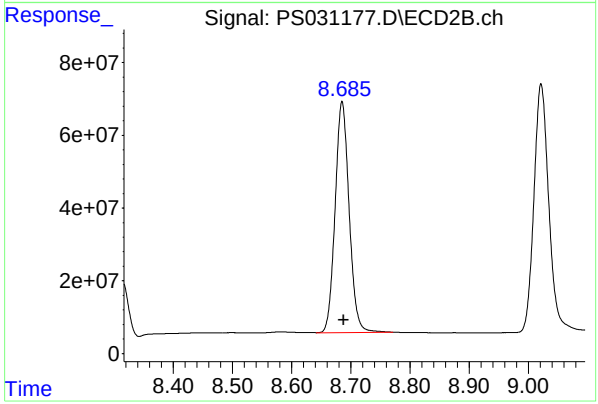
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.002 min
Response: 217927091
Conc: 69.07 ug/ml



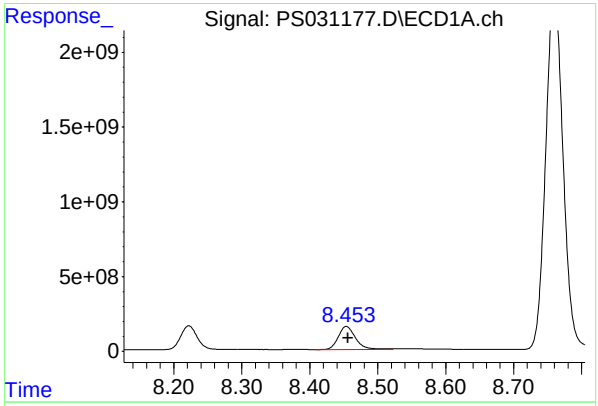
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.002 min
Response: 2682239905
Conc: 701.80 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1044031029
Conc: 689.19 ng/ml



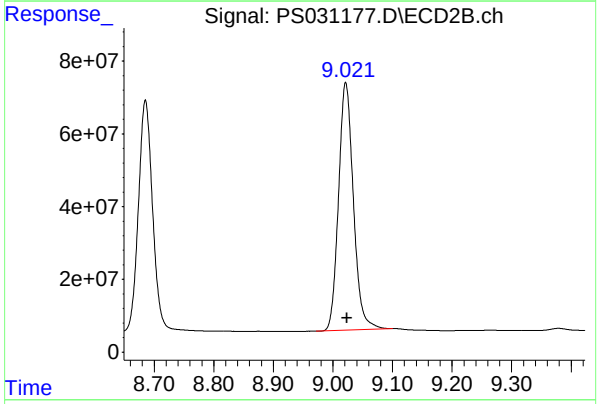
#9 2,4-D

R.T.: 8.454 min
Delta R.T.: -0.003 min
Response: 2758869838
Conc: 738.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

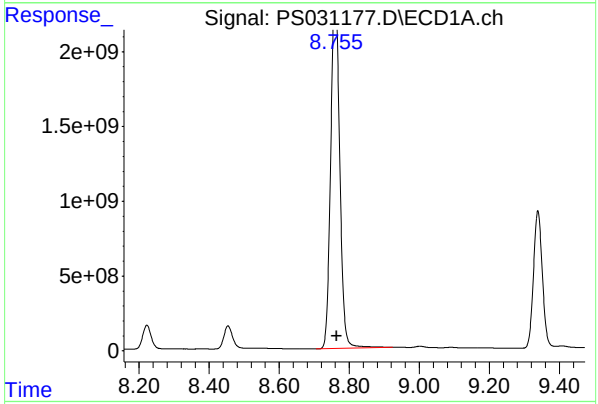
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



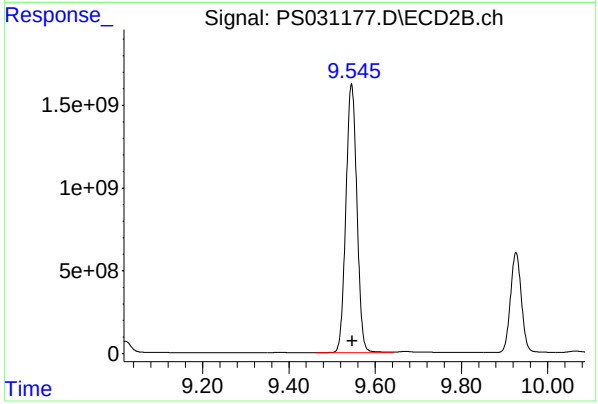
#9 2,4-D

R.T.: 9.022 min
Delta R.T.: -0.002 min
Response: 1180207717
Conc: 694.93 ng/ml



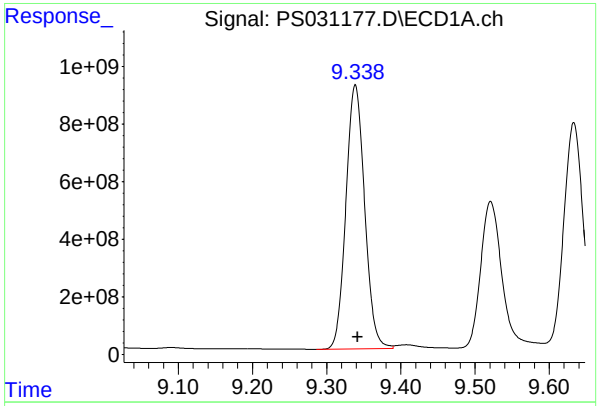
#10 Pentachlorophenol

R.T.: 8.762 min
Delta R.T.: -0.002 min
Response: 41420320313
Conc: 758.31 ng/ml



#10 Pentachlorophenol

R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 28763478242
Conc: 735.99 ng/ml



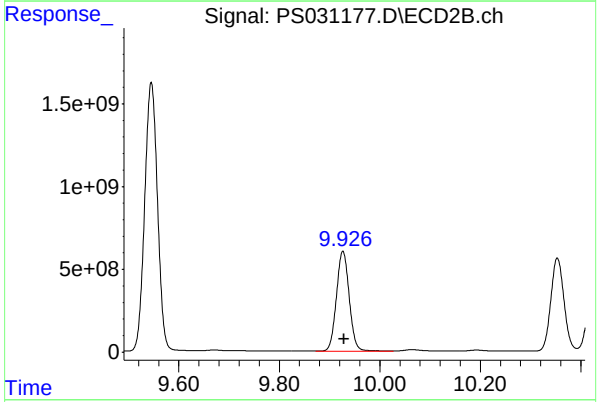
#11 2,4,5-TP (SILVEX)

R.T.: 9.339 min
Delta R.T.: -0.003 min
Response: 16059152709
Conc: 731.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

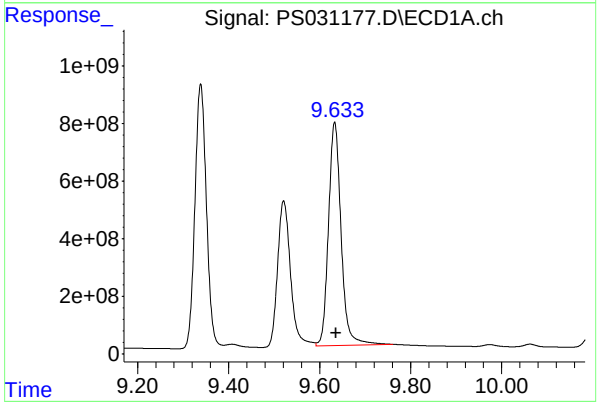
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



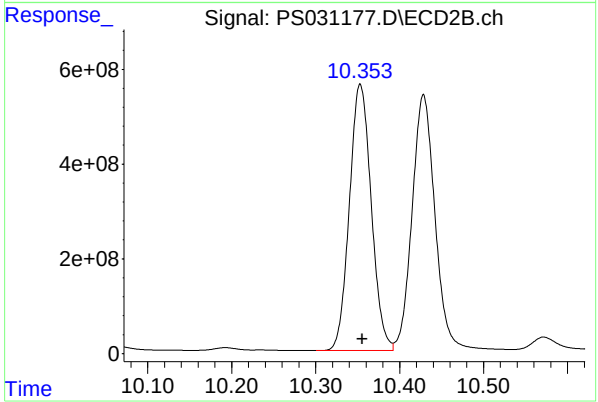
#11 2,4,5-TP (SILVEX)

R.T.: 9.927 min
Delta R.T.: -0.002 min
Response: 10665855540
Conc: 716.11 ng/ml



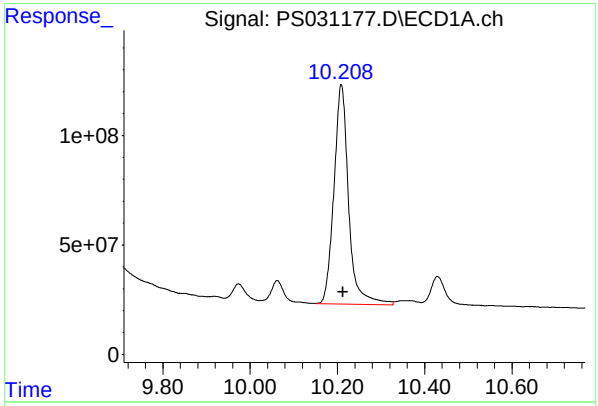
#12 2,4,5-T

R.T.: 9.633 min
Delta R.T.: -0.003 min
Response: 14929985217
Conc: 764.55 ng/ml



#12 2,4,5-T

R.T.: 10.353 min
Delta R.T.: -0.002 min
Response: 10177525497
Conc: 715.75 ng/ml



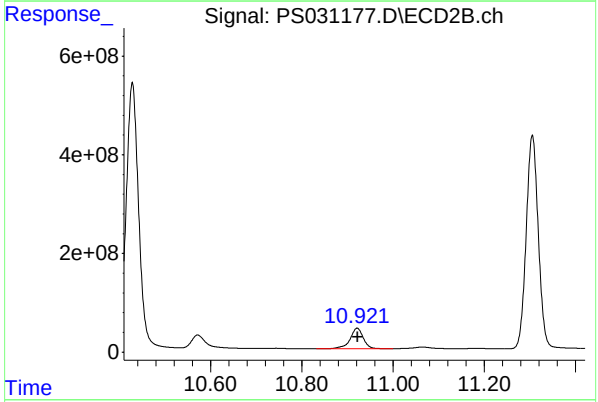
#13 2,4-DB

R.T.: 10.209 min
Delta R.T.: -0.004 min
Response: 2337857239
Conc: 781.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

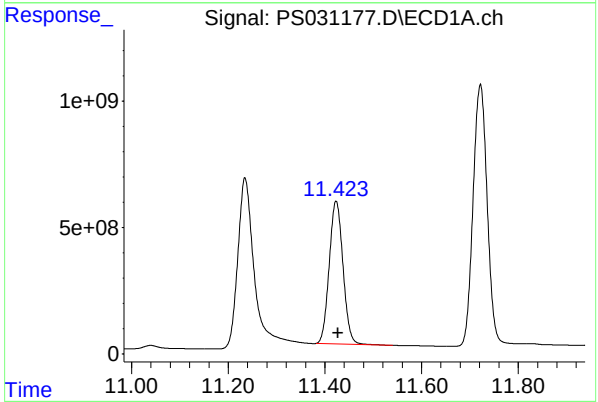
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



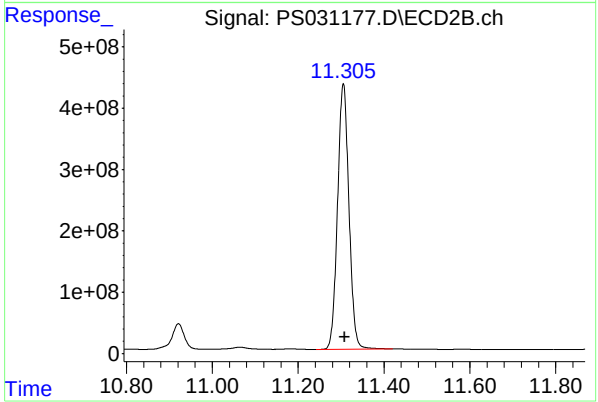
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.002 min
Response: 838815663
Conc: 716.62 ng/ml



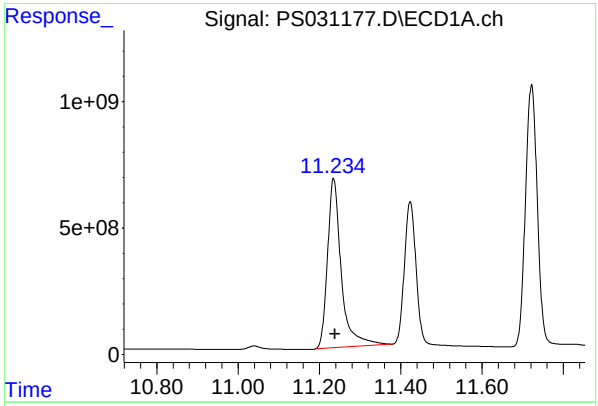
#14 DINOSEB

R.T.: 11.423 min
Delta R.T.: -0.003 min
Response: 11179872292
Conc: 718.06 ng/ml



#14 DINOSEB

R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 7961411766
Conc: 704.42 ng/ml



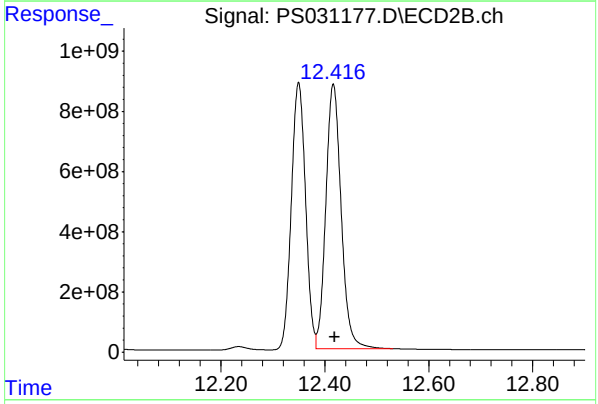
#15 Picloram

R.T.: 11.234 min
Delta R.T.: -0.004 min
Response: 15738765046
Conc: 786.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

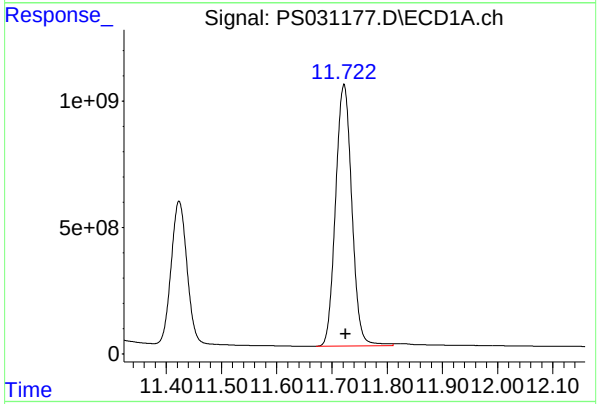
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



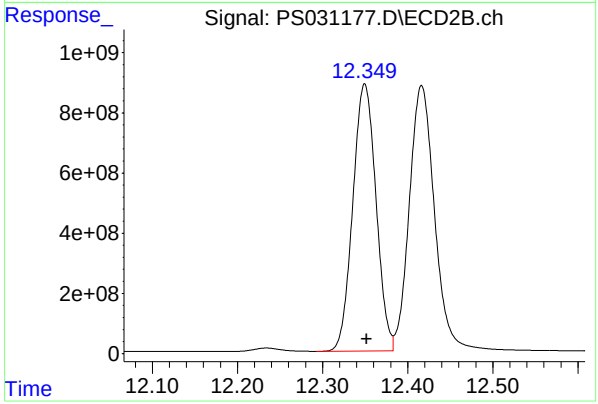
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.002 min
Response: 18011758441
Conc: 723.51 ng/ml



#16 DCPA

R.T.: 11.722 min
Delta R.T.: -0.003 min
Response: 21143084352
Conc: 736.86 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 16842231632
Conc: 731.13 ng/ml m

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Fax : 908 789 8922

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2555

Project: Raymark Superfund Site **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/11/2025 07/11/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	07/11/2025	15:35	PS031005.D	7.33	0.00
HSTDICC200	HSTDICC200	07/11/2025	16:00	PS031006.D	7.33	0.00
HSTDICC500	HSTDICC500	07/11/2025	16:24	PS031007.D	7.33	0.00
HSTDICC750	HSTDICC750	07/11/2025	16:48	PS031008.D	7.33	0.00
HSTDICC1000	HSTDICC1000	07/11/2025	17:12	PS031009.D	7.33	0.00
HSTDICC1500	HSTDICC1500	07/11/2025	17:36	PS031010.D	7.33	0.00
I.BLK	I.BLK	07/14/2025	12:17	PS031021.D	7.33	0.00
HSTDCCC750	HSTDCCC750	07/14/2025	16:34	PS031022.D	7.33	0.00
PB168811BL	PB168811BL	07/14/2025	17:10	PS031023.D	7.33	0.00
PB168811BS	PB168811BS	07/14/2025	17:38	PS031024.D	7.33	0.00
I.BLK	I.BLK	07/14/2025	19:32	PS031027.D	7.33	0.00
HSTDCCC750	HSTDCCC750	07/14/2025	21:09	PS031028.D	7.33	0.00
I.BLK	I.BLK	07/18/2025	20:34	PS031143.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/18/2025	21:22	PS031144.D	7.32	0.00
TP-30MS	Q2529-10MS	07/18/2025	21:46	PS031145.D	7.32	0.00
TP-30MSD	Q2529-10MSD	07/18/2025	22:10	PS031146.D	7.32	0.00
OU4-TS-30-070925	Q2555-03	07/19/2025	00:35	PS031152.D	7.32	0.00
I.BLK	I.BLK	07/19/2025	00:59	PS031153.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/19/2025	01:23	PS031154.D	7.32	0.00
I.BLK	I.BLK	07/21/2025	14:38	PS031156.D	7.33	0.00
HSTDICC200	HSTDICC200	07/21/2025	15:02	PS031157.D	7.33	0.00
HSTDICC500	HSTDICC500	07/21/2025	15:26	PS031158.D	7.33	0.00
HSTDICC750	HSTDICC750	07/21/2025	15:51	PS031159.D	7.33	0.00
HSTDICC1000	HSTDICC1000	07/21/2025	16:15	PS031160.D	7.33	0.00
HSTDICC1500	HSTDICC1500	07/21/2025	16:39	PS031161.D	7.33	0.00
I.BLK	I.BLK	07/22/2025	09:47	PS031172.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/22/2025	10:11	PS031173.D	7.32	0.00
OU4-TS-30-070925RE	Q2555-03RE	07/22/2025	13:48	PS031174.D	7.32	0.00
OU4-TS-29-070925	Q2555-01	07/22/2025	14:12	PS031175.D	7.32	0.00
I.BLK	I.BLK	07/22/2025	14:52	PS031176.D	7.33	0.00
HSTDCCC750	HSTDCCC750	07/22/2025	15:16	PS031177.D	7.32	0.00

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Analytical Sequence

Client: Nobis Group **SDG No.:** Q2555

Project: Raymark Superfund Site **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/11/2025 07/11/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	07/11/2025	15:35	PS031005.D	7.77	0.00
HSTDICC200	HSTDICC200	07/11/2025	16:00	PS031006.D	7.77	0.00
HSTDICC500	HSTDICC500	07/11/2025	16:24	PS031007.D	7.77	0.00
HSTDICC750	HSTDICC750	07/11/2025	16:48	PS031008.D	7.77	0.00
HSTDICC1000	HSTDICC1000	07/11/2025	17:12	PS031009.D	7.77	0.00
HSTDICC1500	HSTDICC1500	07/11/2025	17:36	PS031010.D	7.77	0.00
I.BLK	I.BLK	07/14/2025	12:17	PS031021.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/14/2025	16:34	PS031022.D	7.77	0.00
PB168811BL	PB168811BL	07/14/2025	17:10	PS031023.D	7.77	0.00
PB168811BS	PB168811BS	07/14/2025	17:38	PS031024.D	7.77	0.00
I.BLK	I.BLK	07/14/2025	19:32	PS031027.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/14/2025	21:09	PS031028.D	7.77	0.00
I.BLK	I.BLK	07/18/2025	20:34	PS031143.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/18/2025	21:22	PS031144.D	7.77	0.00
TP-30MS	Q2529-10MS	07/18/2025	21:46	PS031145.D	7.77	0.00
TP-30MSD	Q2529-10MSD	07/18/2025	22:10	PS031146.D	7.77	0.00
OU4-TS-30-070925	Q2555-03	07/19/2025	00:35	PS031152.D	7.76	0.00
I.BLK	I.BLK	07/19/2025	00:59	PS031153.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/19/2025	01:23	PS031154.D	7.77	0.00
I.BLK	I.BLK	07/21/2025	14:38	PS031156.D	7.77	0.00
HSTDICC200	HSTDICC200	07/21/2025	15:02	PS031157.D	7.77	0.00
HSTDICC500	HSTDICC500	07/21/2025	15:26	PS031158.D	7.77	0.00
HSTDICC750	HSTDICC750	07/21/2025	15:51	PS031159.D	7.77	0.00
HSTDICC1000	HSTDICC1000	07/21/2025	16:15	PS031160.D	7.77	0.00
HSTDICC1500	HSTDICC1500	07/21/2025	16:39	PS031161.D	7.77	0.00
I.BLK	I.BLK	07/22/2025	09:47	PS031172.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/22/2025	10:11	PS031173.D	7.76	0.00
OU4-TS-30-070925RE	Q2555-03RE	07/22/2025	13:48	PS031174.D	7.76	0.00
OU4-TS-29-070925	Q2555-01	07/22/2025	14:12	PS031175.D	7.76	0.00
I.BLK	I.BLK	07/22/2025	14:52	PS031176.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/22/2025	15:16	PS031177.D	7.76	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168811BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: PB168811BS **Date(s) Analyzed:** 07/14/2025 07/14/2025

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	9.65	9.60	9.70	185	21.6
	2	10.36	10.31	10.41	149	
2,4,5-TP(Silvex)	1	9.35	9.30	9.40	174	15.5
	2	9.93	9.88	9.98	149	
2,4-D	1	8.47	8.42	8.52	185	24.2
	2	9.02	8.97	9.07	145	
2,4-DB	1	10.22	10.17	10.27	193	27.7
	2	10.92	10.87	10.97	146	
Dalapon	1	2.70	2.65	2.75	150	6.9
	2	2.70	2.65	2.75	140	
DICHLORPROP	1	8.23	8.18	8.28	161	11.8
	2	8.69	8.64	8.74	143	
Dinoseb	1	11.44	11.39	11.49	173	18.3
	2	11.31	11.26	11.36	144	
DICAMBA	1	7.52	7.47	7.57	156	8.7
	2	7.97	7.92	8.02	143	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-30MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: Q2529-10MS **Date(s) Analyzed:** 07/18/2025 07/18/2025

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	2.68	2.63	2.73	35.5	156
	2	2.70	2.65	2.75	287	
DICHLORPROP	1	8.23	8.18	8.28	84.5	7
	2	8.69	8.64	8.74	90.6	
2,4-D	1	8.46	8.41	8.51	179	16.3
	2	9.03	8.98	9.08	152	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	98.3	97.1
	2	9.94	9.89	9.99	284	
2,4,5-T	1	9.64	9.59	9.69	121	35
	2	10.35	10.30	10.40	85.0	
2,4-DB	1	10.21	10.16	10.26	30.0	3
	2	10.92	10.87	10.97	29.1	
DICAMBA	1	7.51	7.46	7.56	83.6	1.1
	2	7.97	7.92	8.02	82.7	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-30MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2555

Lab Sample ID: Q2529-10MSD **Date(s) Analyzed:** 07/18/2025 07/18/2025

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	2.68	2.63	2.73	38.8	153.8
	2	2.70	2.65	2.75	297	
DICHLORPROP	1	8.23	8.18	8.28	102	4.8
	2	8.69	8.64	8.74	107	
2,4-D	1	8.46	8.41	8.51	192	15.7
	2	9.03	8.98	9.08	164	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	117	87
	2	9.94	9.89	9.99	297	
2,4,5-T	1	9.64	9.59	9.69	143	34.4
	2	10.35	10.30	10.40	101	
2,4-DB	1	10.21	10.16	10.26	32.0	9.8
	2	10.92	10.87	10.97	29.0	
DICAMBA	1	7.51	7.46	7.56	98.6	0.5
	2	7.97	7.92	8.02	98.1	

QC SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168811BL	SDG No.:	Q2555
Lab Sample ID:	PB168811BL	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
PS031023.D	1	07/11/25 08:50	07/14/25 17:10	PB168811

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	474		27 - 122		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\PS071425\
Data File : PS031023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 17:10
Operator : AR\AJ
Sample : PB168811BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168811BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:30:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.333	7.765	1587.0E6	491.4E6	401.256	474.328
	Target Compounds						

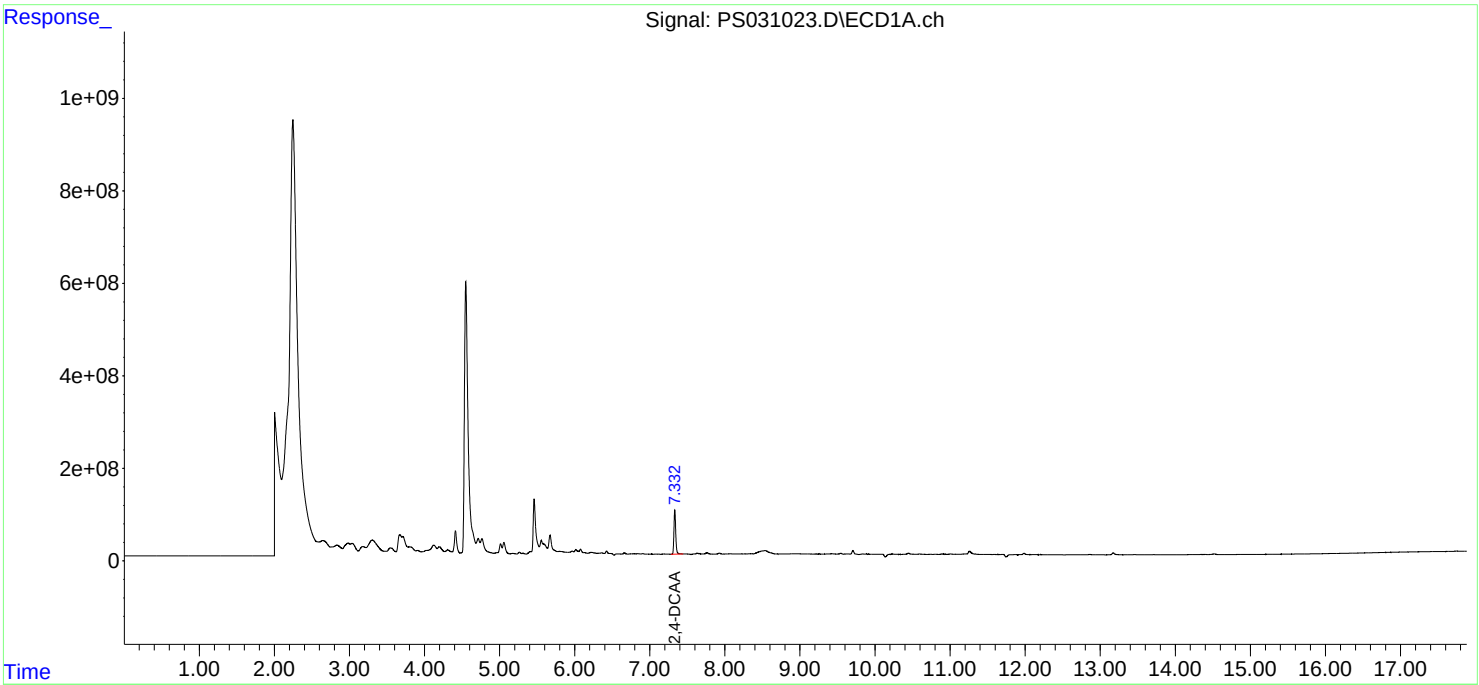
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

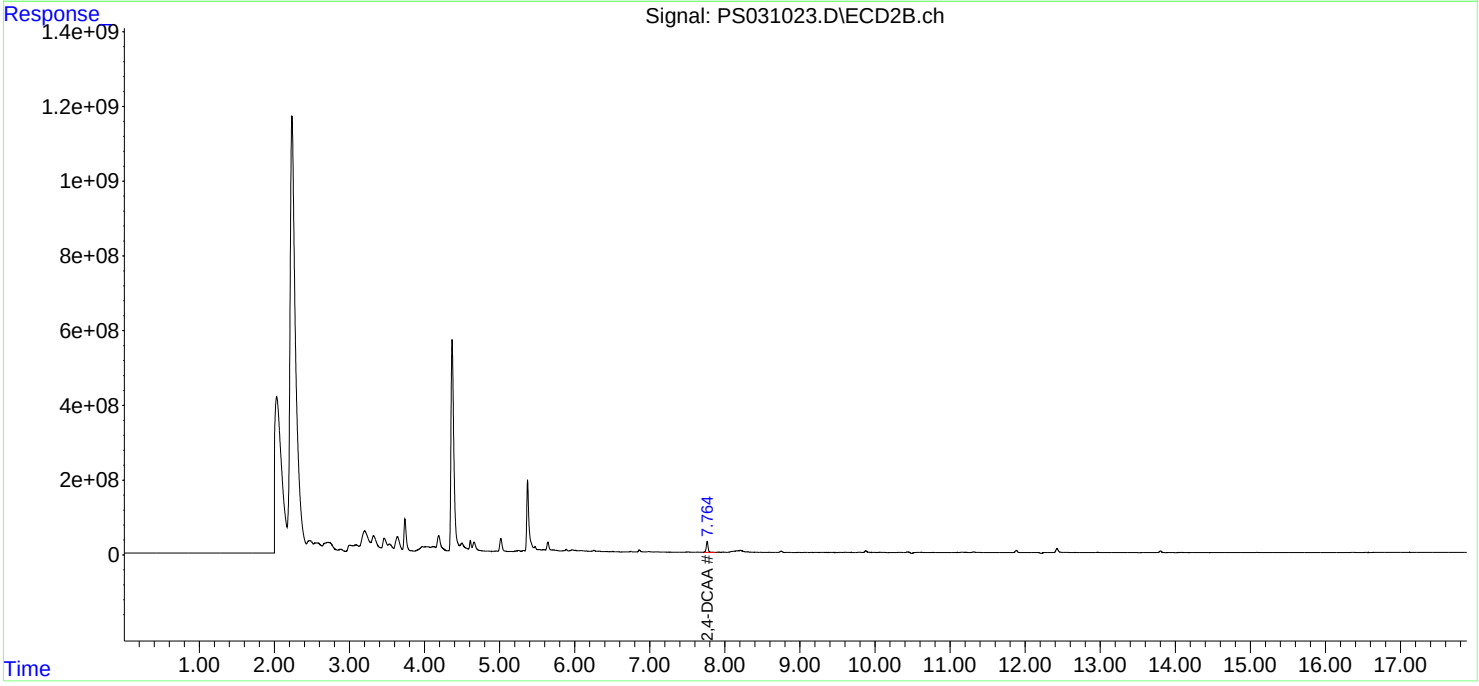
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 17:10
Operator : AR\AJ
Sample : PB168811BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

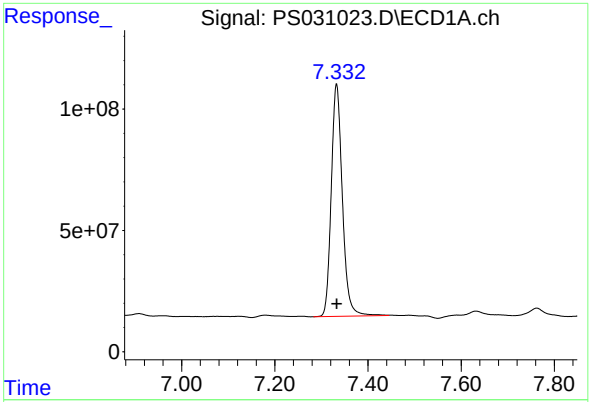
Instrument :
ECD_S
ClientSampleId :
PB168811BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:30:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



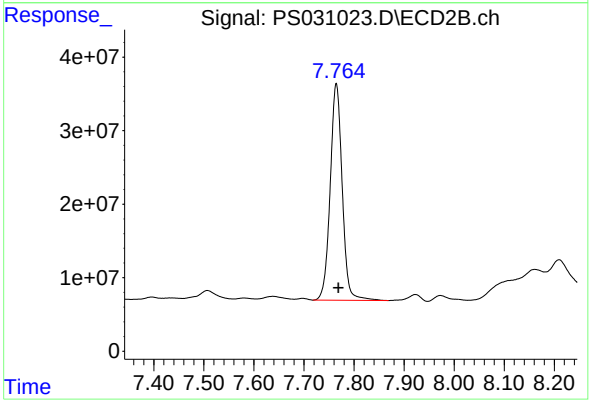




#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 1586997447
Conc: 401.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168811BL



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.004 min
Response: 491419689
Conc: 474.33 ng/ml

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/11/25
Project:	Raymark Superfund Site	Date Received:	07/11/25
Client Sample ID:	PIBLK-PS031005.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PS031005.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
PS031005.D	1		07/11/25	PS071125

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	496		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\PS071125\
Data File : PS031005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:35
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: Jul 14 06:06:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.334	7.769	1407.9E6	514.1E6	355.977	496.200	#
	Target Compounds							

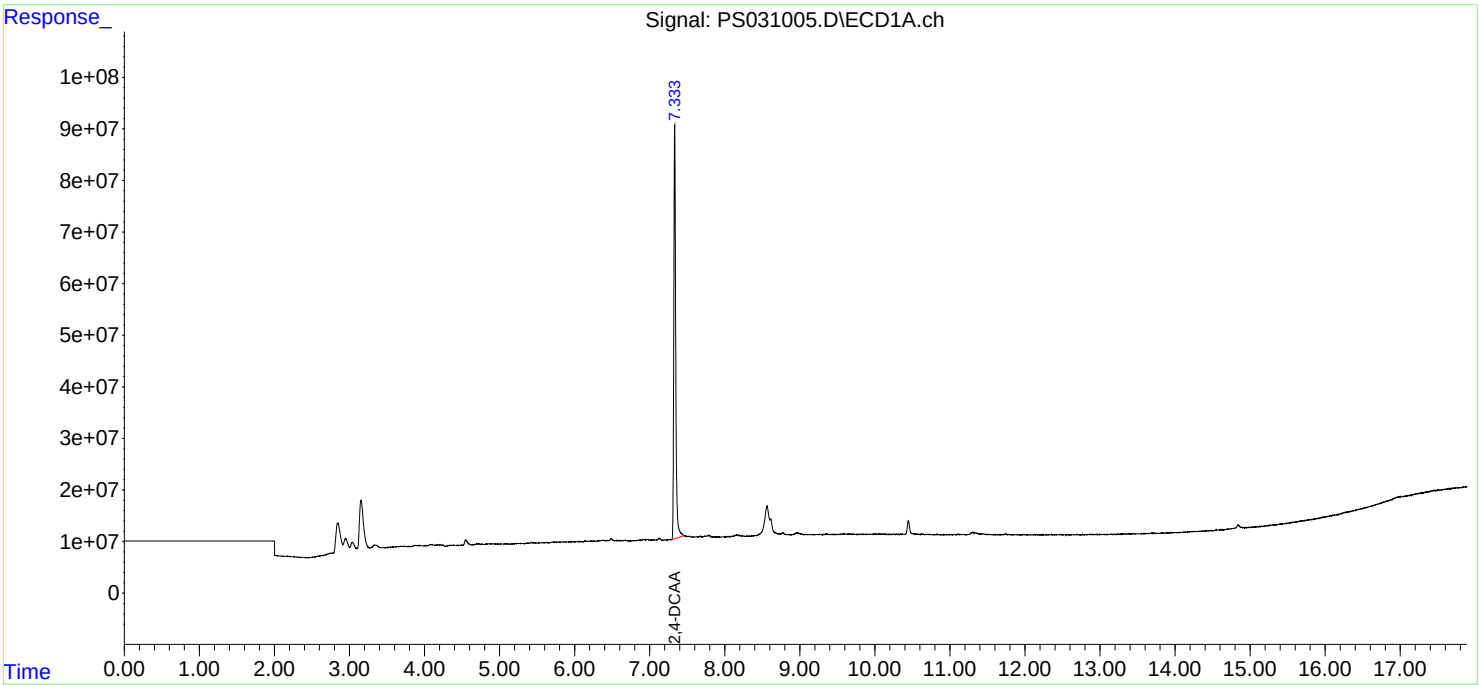
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

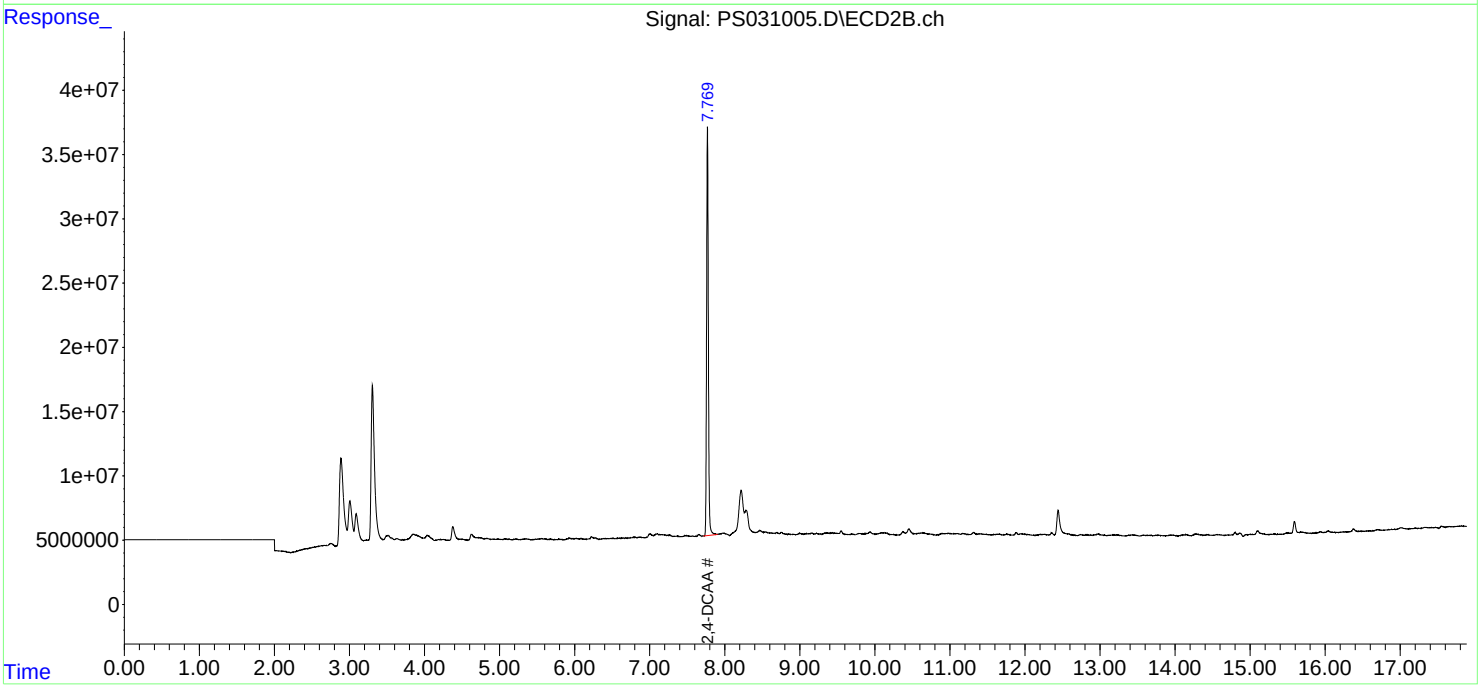
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

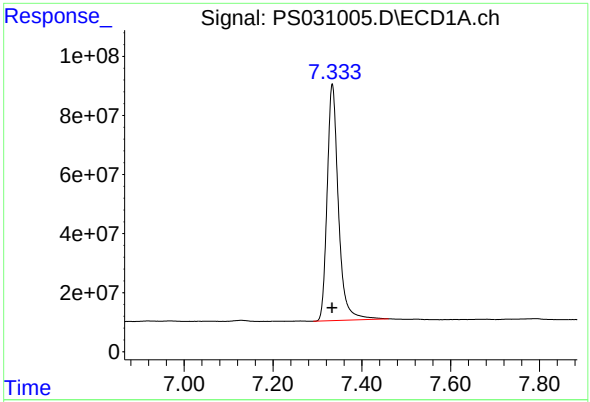
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 06:06:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



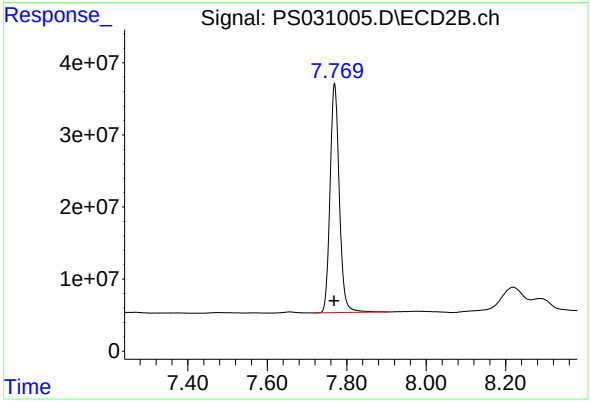




#4 2,4-DCAA

R.T.: 7.334 min
Delta R.T.: 0.000 min
Response: 1407915415
Conc: 355.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 514079654
Conc: 496.20 ng/ml

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/14/25
Project:	Raymark Superfund Site	Date Received:	07/14/25
Client Sample ID:	PIBLK-PS031021.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PS031021.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
PS031021.D	1		07/14/25	ps071425

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	490		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\PS071425\
Data File : PS031021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 12:17
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: Jul 15 01:30:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.332	7.764	1817.2E6	507.9E6	459.461	490.220
	Target Compounds						

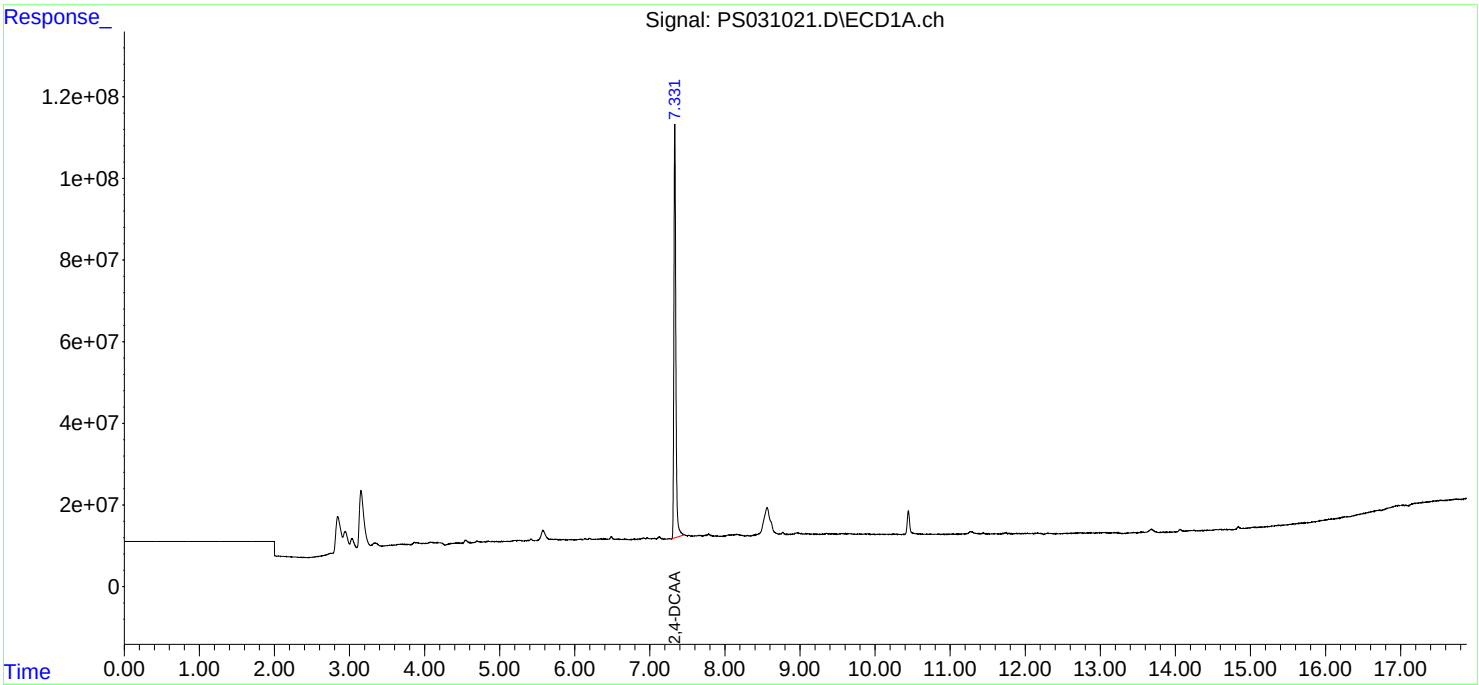
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

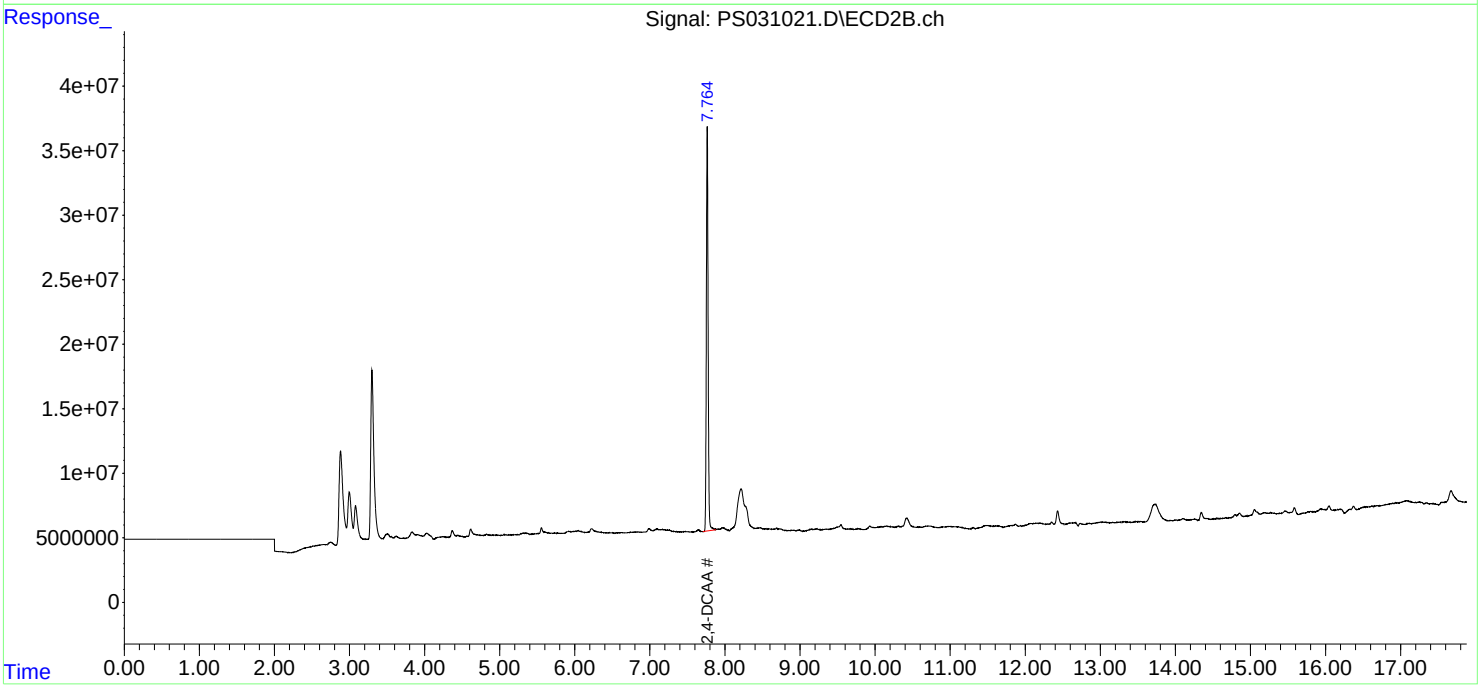
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 12:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

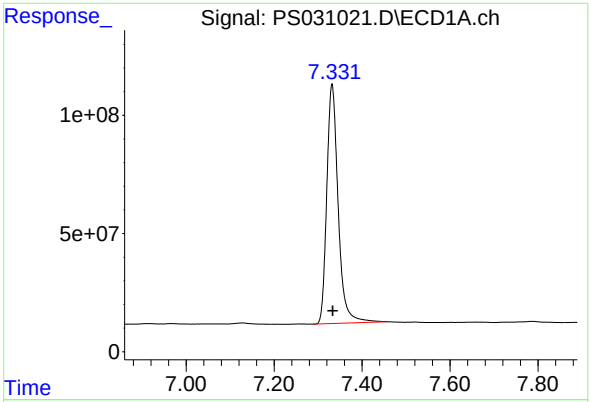
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:30:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



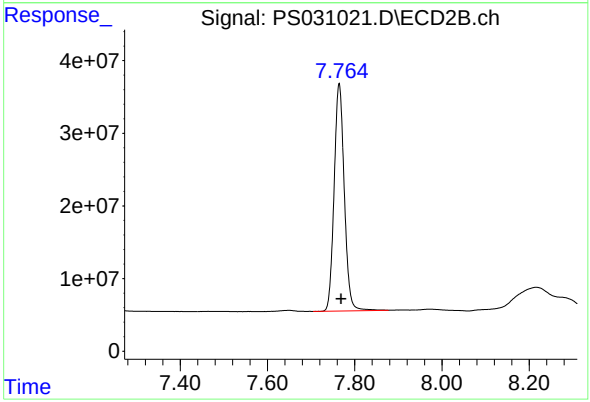




#4 2,4-DCAA

R.T.: 7.332 min
Delta R.T.: -0.001 min
Response: 1817202380
Conc: 459.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.004 min
Response: 507883570
Conc: 490.22 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/14/25
Project:	Raymark Superfund Site	Date Received:	07/14/25
Client Sample ID:	PIBLK-PS031027.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PS031027.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
PS031027.D	1		07/14/25	ps071425

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	483		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\PS071425\
Data File : PS031027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:32
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: Jul 15 01:31:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.331	7.768	1694.7E6	500.6E6	428.475	483.182
	Target Compounds						

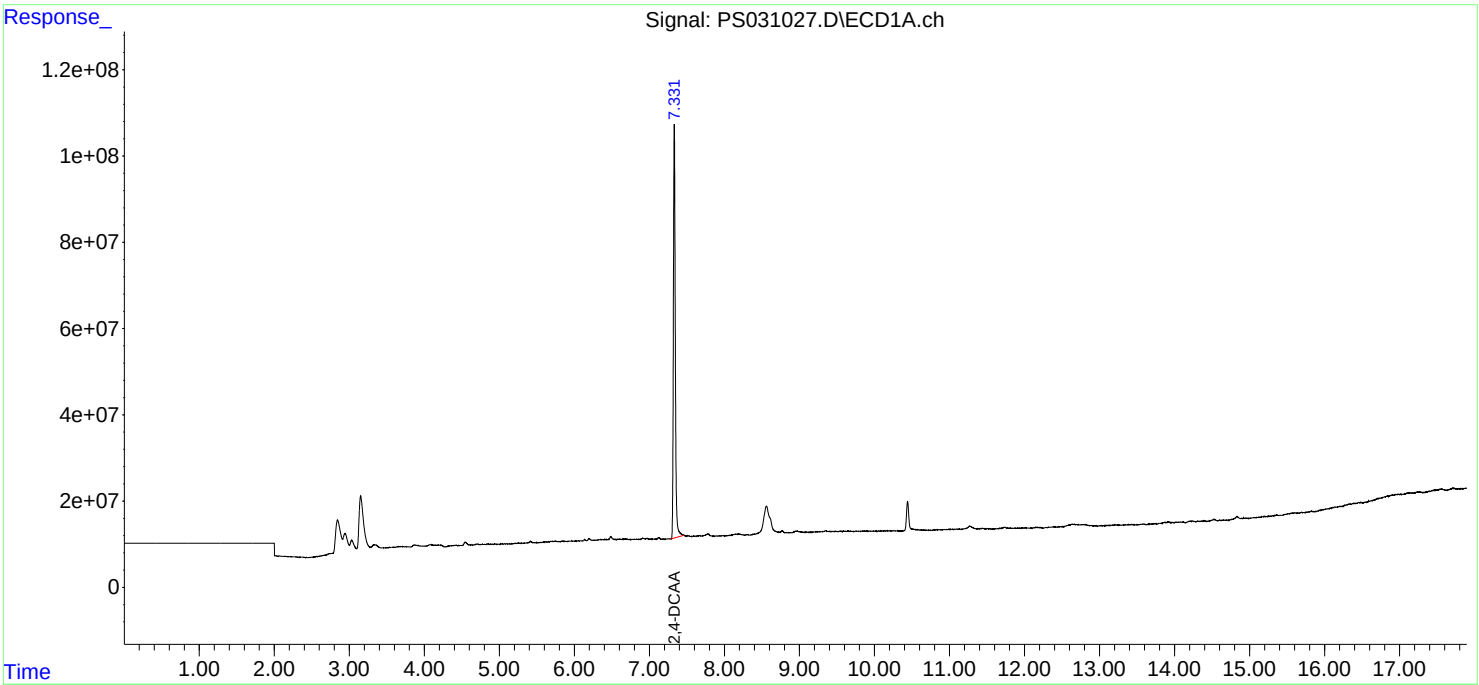
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

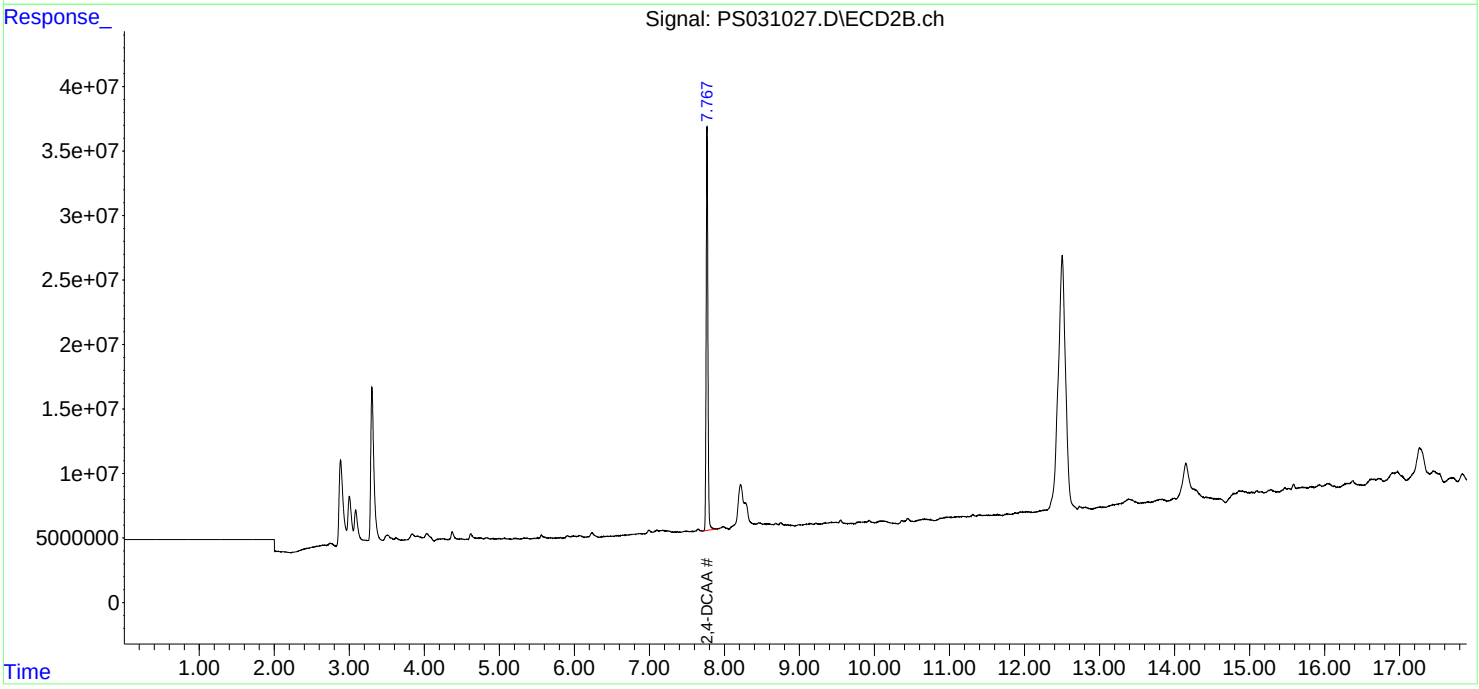
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

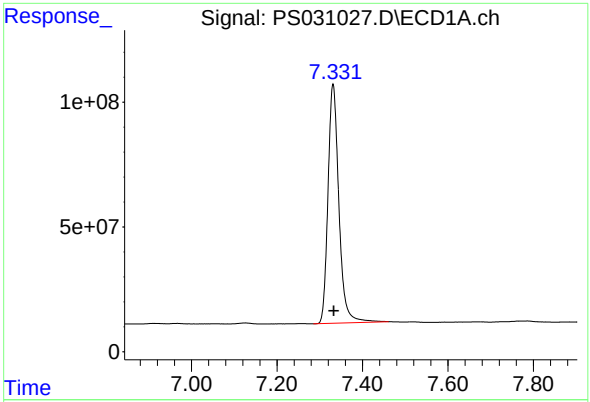
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:31:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



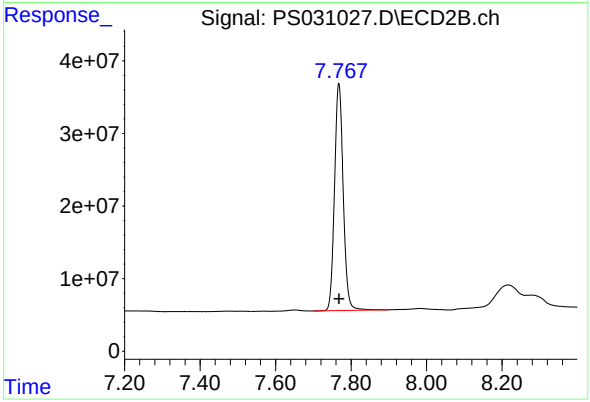




#4 2,4-DCAA

R.T.: 7.331 min
Delta R.T.: -0.002 min
Response: 1694652303
Conc: 428.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: -0.001 min
Response: 500592053
Conc: 483.18 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/18/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	PIBLK-PS031143.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PS031143.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
PS031143.D	1		07/18/25	ps071825

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	506		32 - 138		101%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 20:34
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: Jul 18 23:22:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.324	7.766	1870.4E6	524.6E6	472.918	506.315
	Target Compounds						

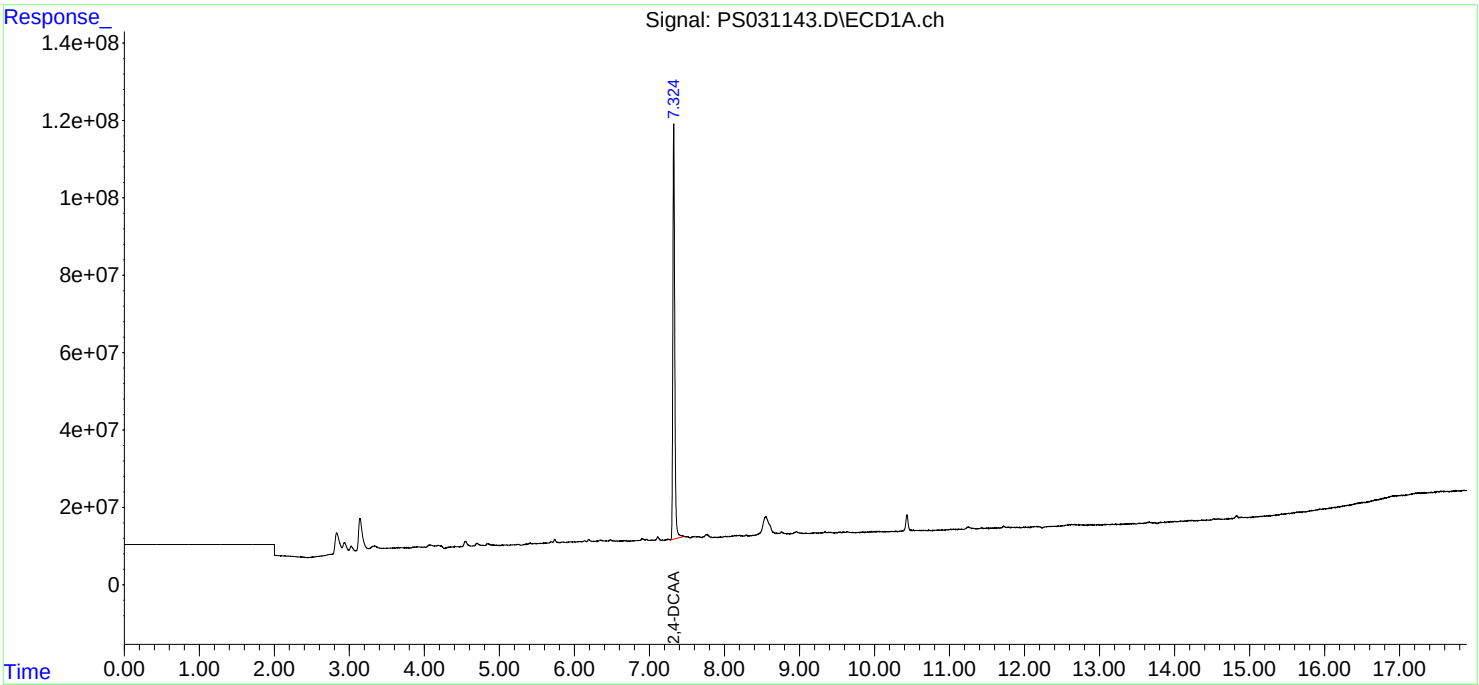
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

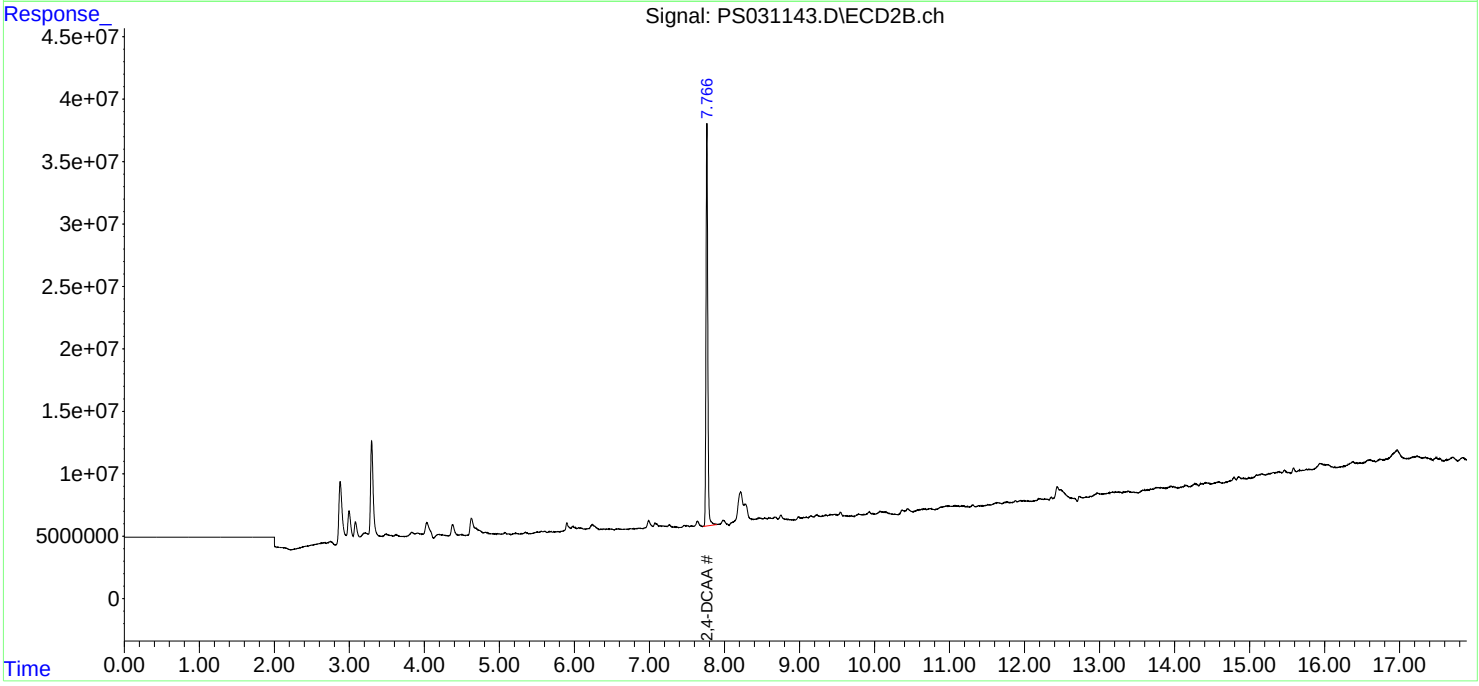
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 20:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

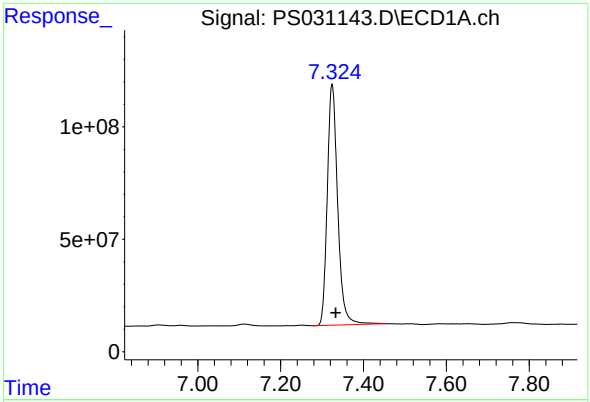
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:22:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



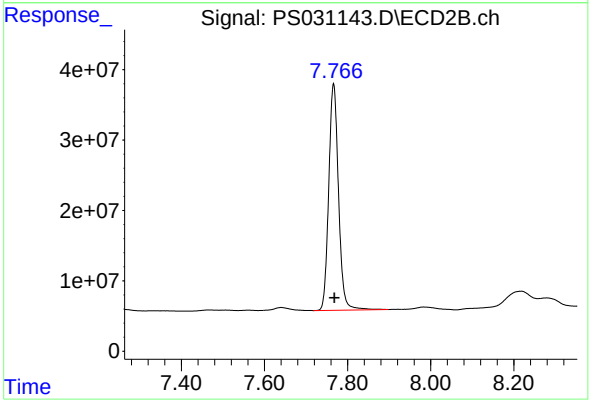




#4 2,4-DCAA

R.T.: 7.324 min
Delta R.T.: -0.009 min
Response: 1870428042
Conc: 472.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 524558490
Conc: 506.31 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/19/25
Project:	Raymark Superfund Site	Date Received:	07/19/25
Client Sample ID:	PIBLK-PS031153.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PS031153.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
PS031153.D	1		07/19/25	ps071825

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	512		32 - 138		102%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jul 2025 00:59
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: Jul 19 06:18:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.324	7.765	1890.4E6	530.2E6	477.967	511.796
	Target Compounds						

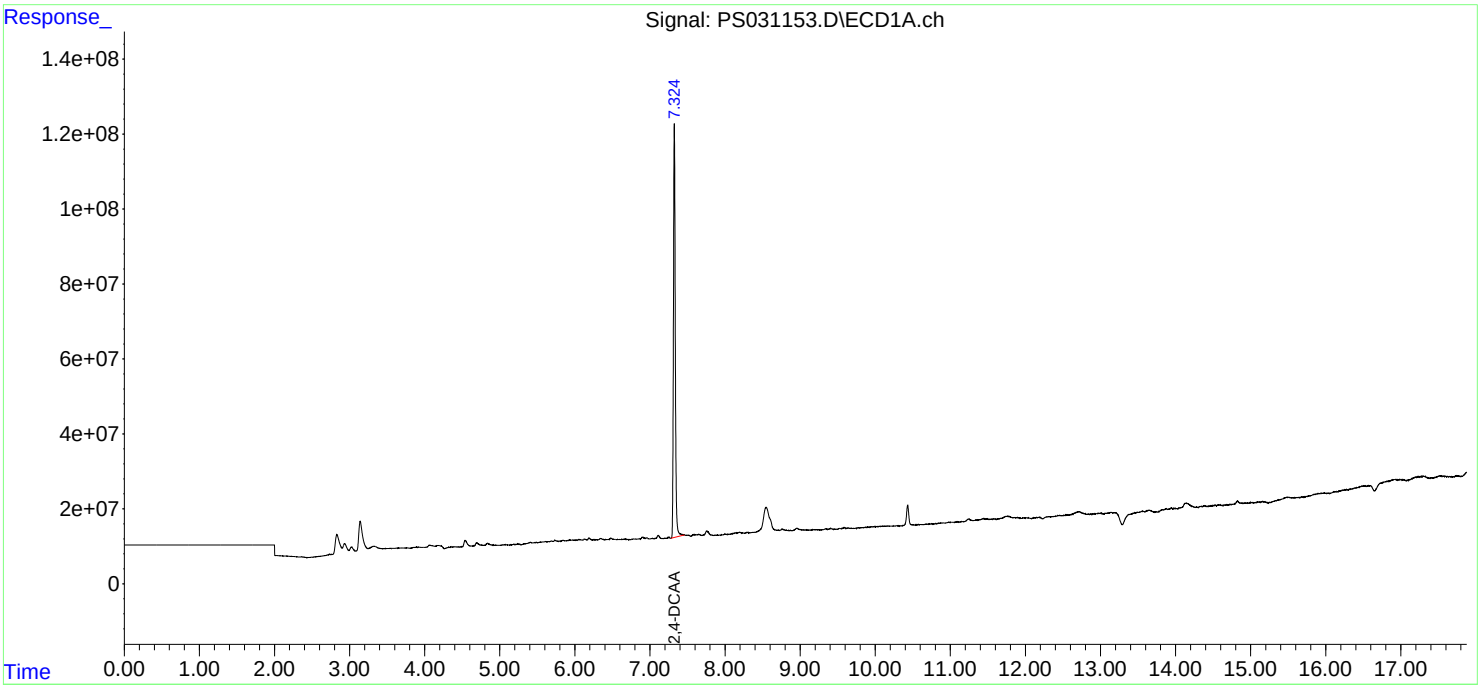
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

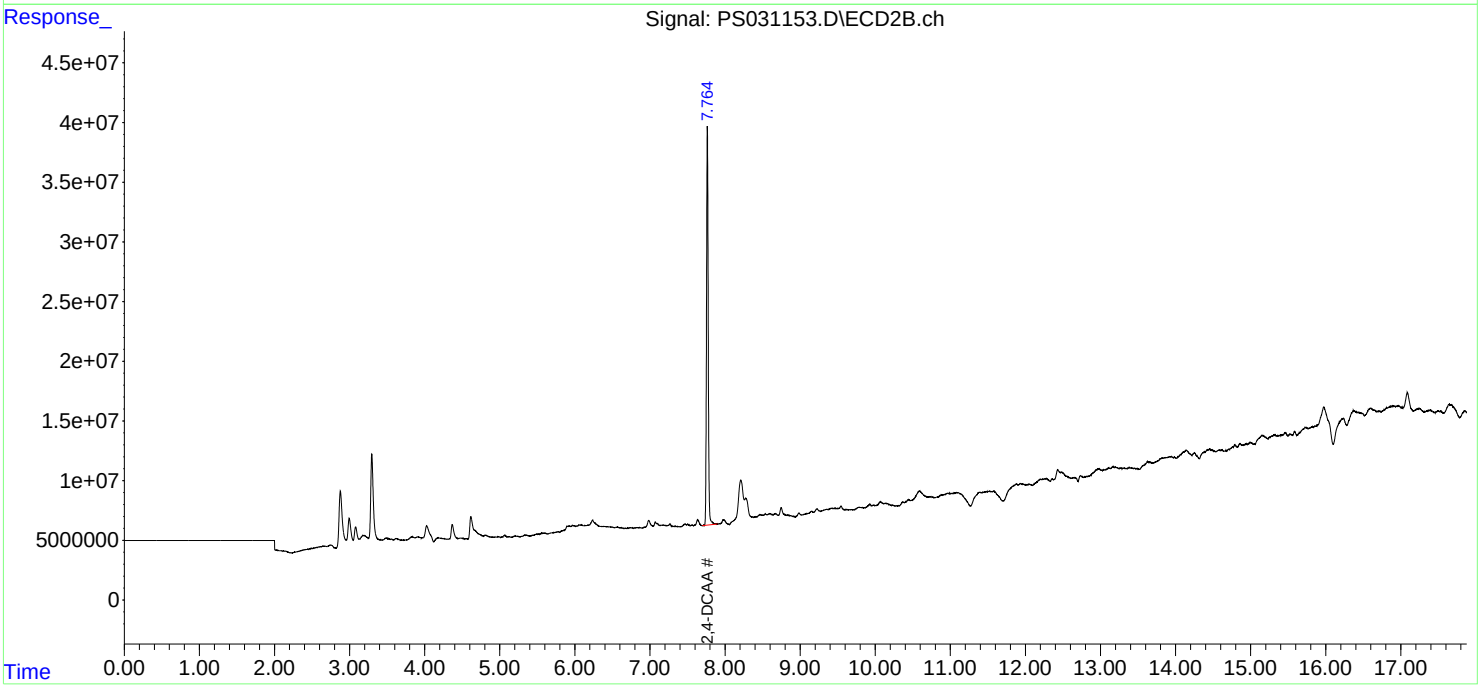
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jul 2025 00:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

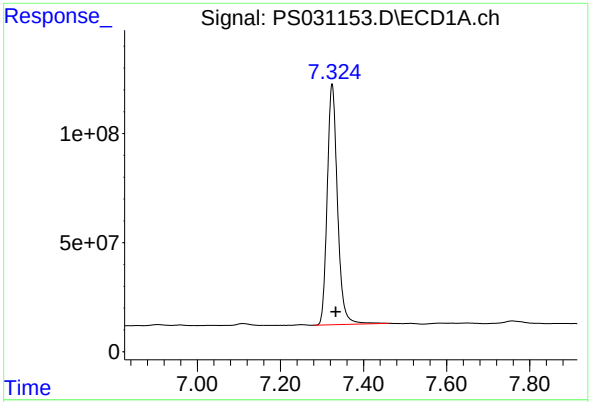
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:18:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



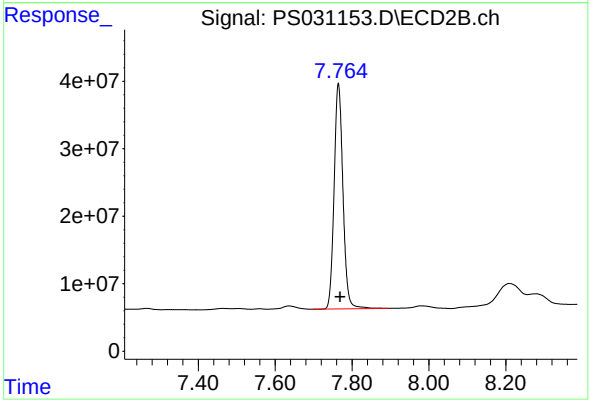




#4 2,4-DCAA

R.T.: 7.324 min
Delta R.T.: -0.009 min
Response: 1890397263
Conc: 477.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.004 min
Response: 530237407
Conc: 511.80 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PS031156.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PS031156.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
PS031156.D	1		07/21/25	ps072125

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	504		32 - 138		101%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031156.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:38
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: Jul 22 03:21:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.325	7.766	1726.8E6	511.1E6	397.121	503.568 #
	Target Compounds						

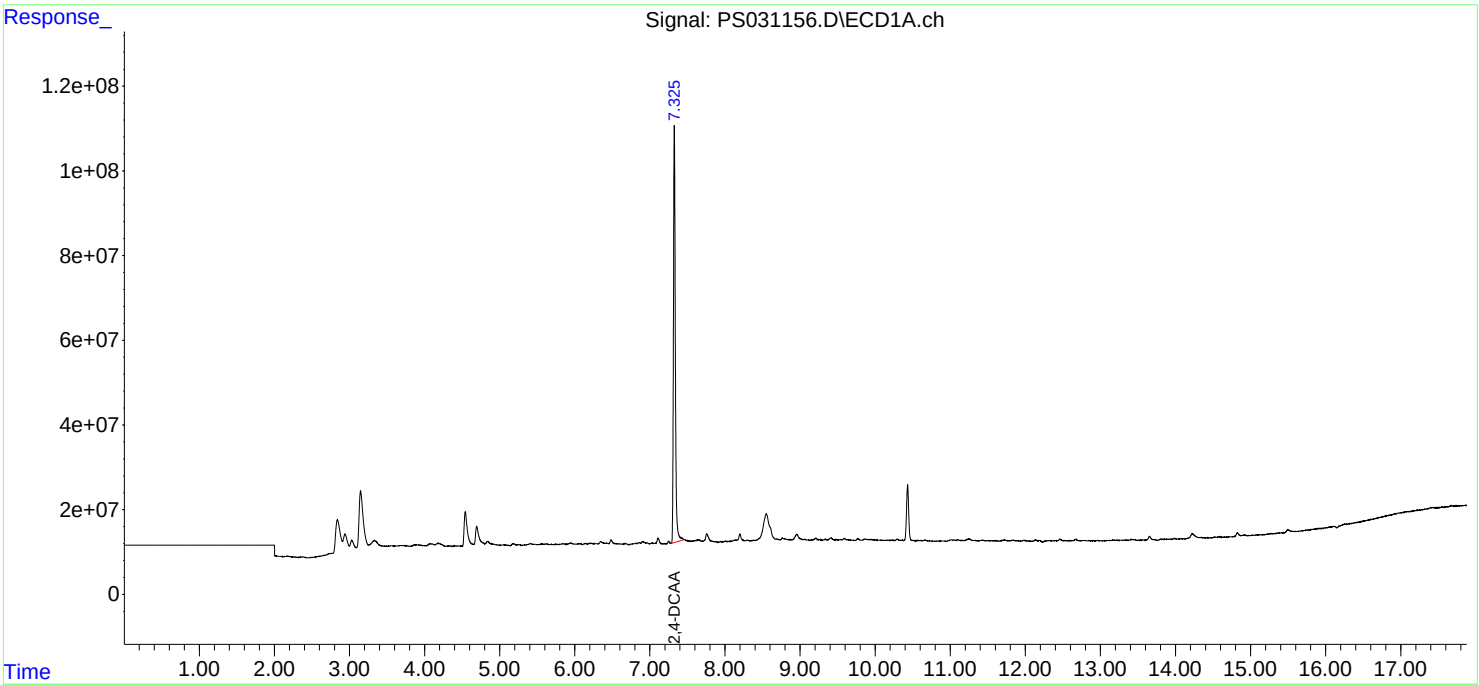
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

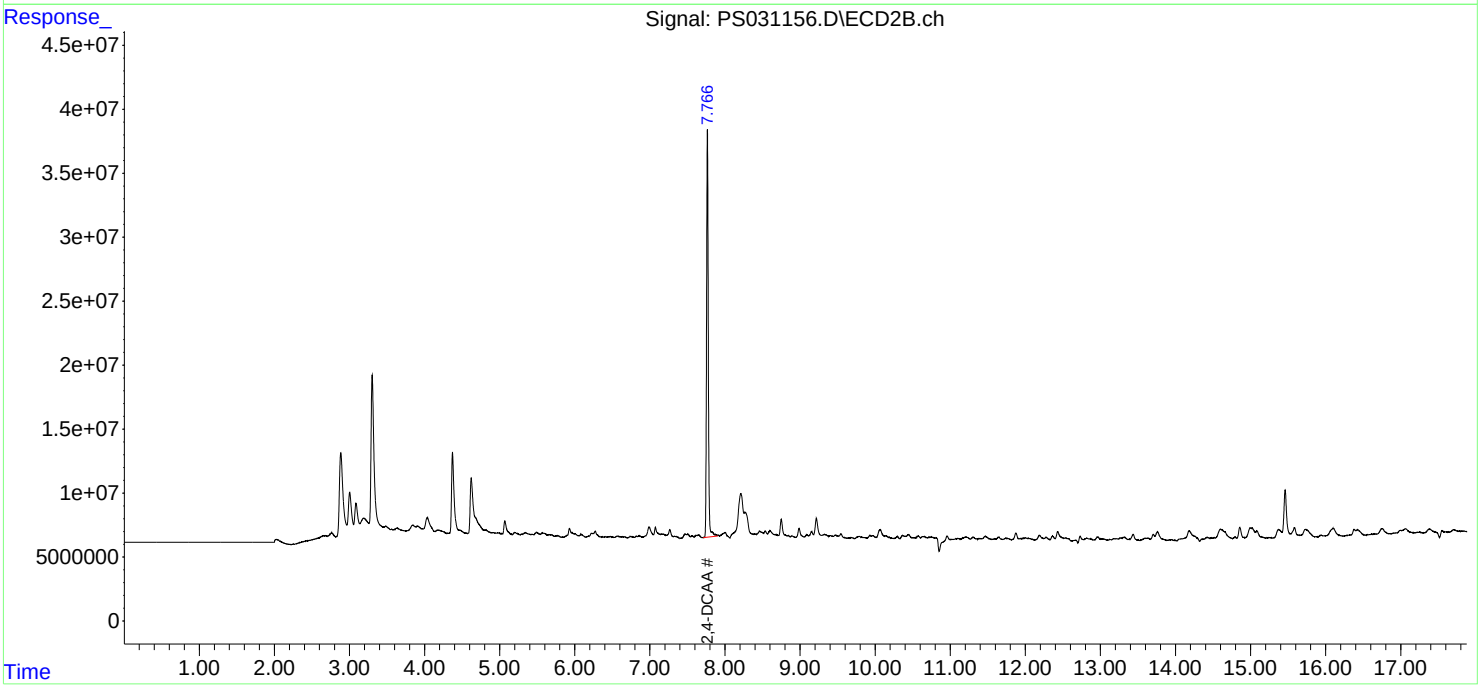
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031156.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

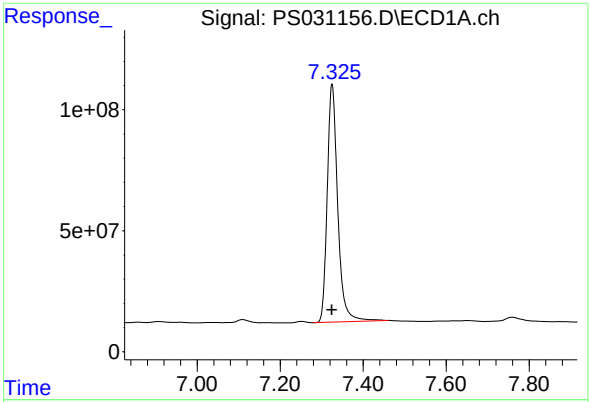
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:21:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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



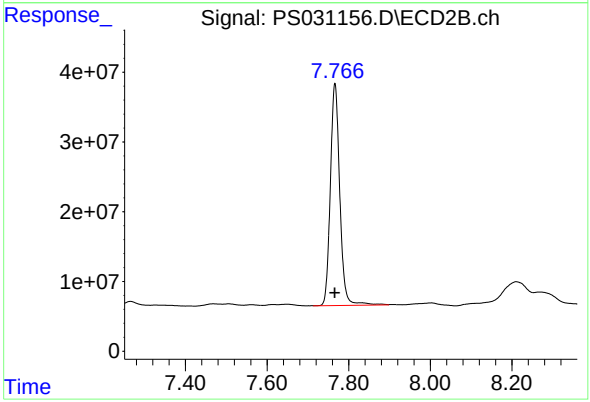




#4 2,4-DCAA

R.T.: 7.325 min
Delta R.T.: 0.000 min
Response: 1726782024
Conc: 397.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 511105861
Conc: 503.57 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:	07/22/25
Project:	Raymark Superfund Site	Date Received:	07/22/25
Client Sample ID:	PIBLK-PS031172.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PS031172.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
PS031172.D	1		07/22/25	ps072225

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	494		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\PS072225\
Data File : PS031172.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 09:47
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: Jul 23 01:53:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.323	7.765	1773.8E6	501.8E6	407.931	494.395
	Target Compounds						

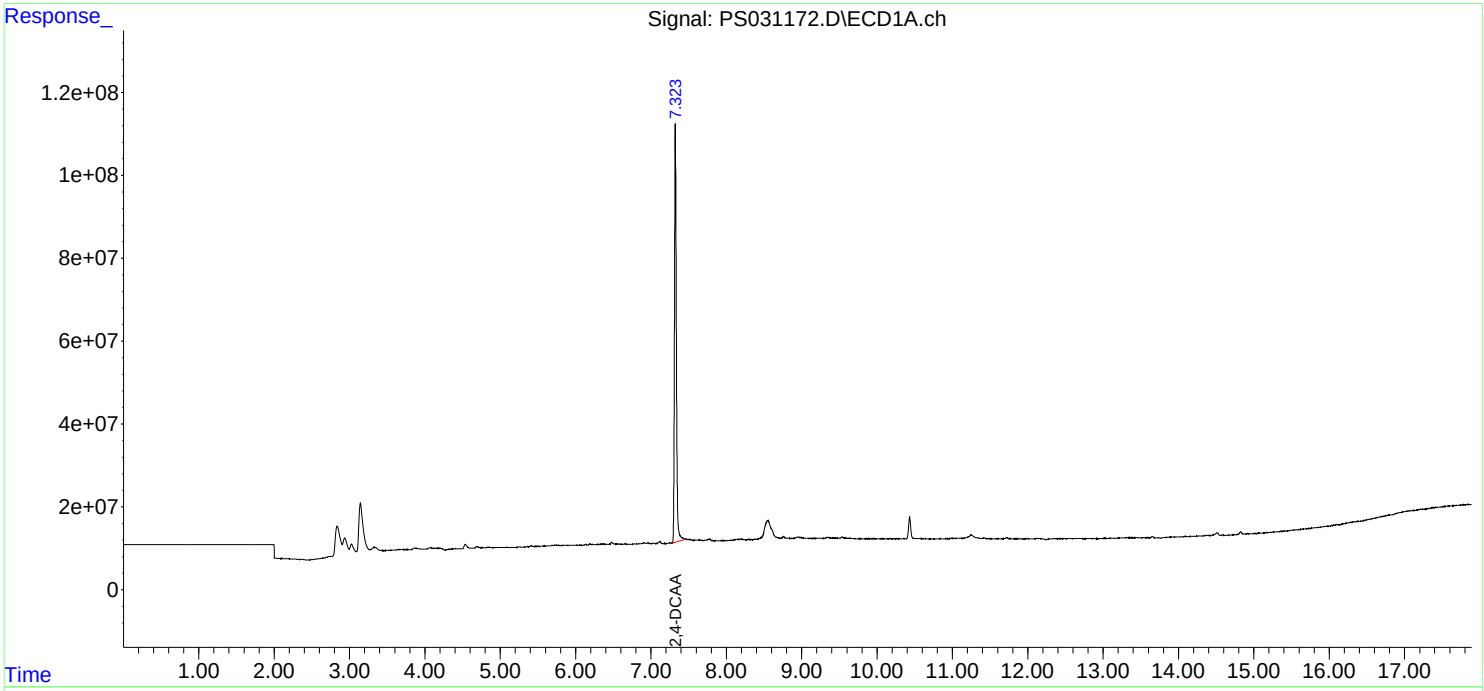
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

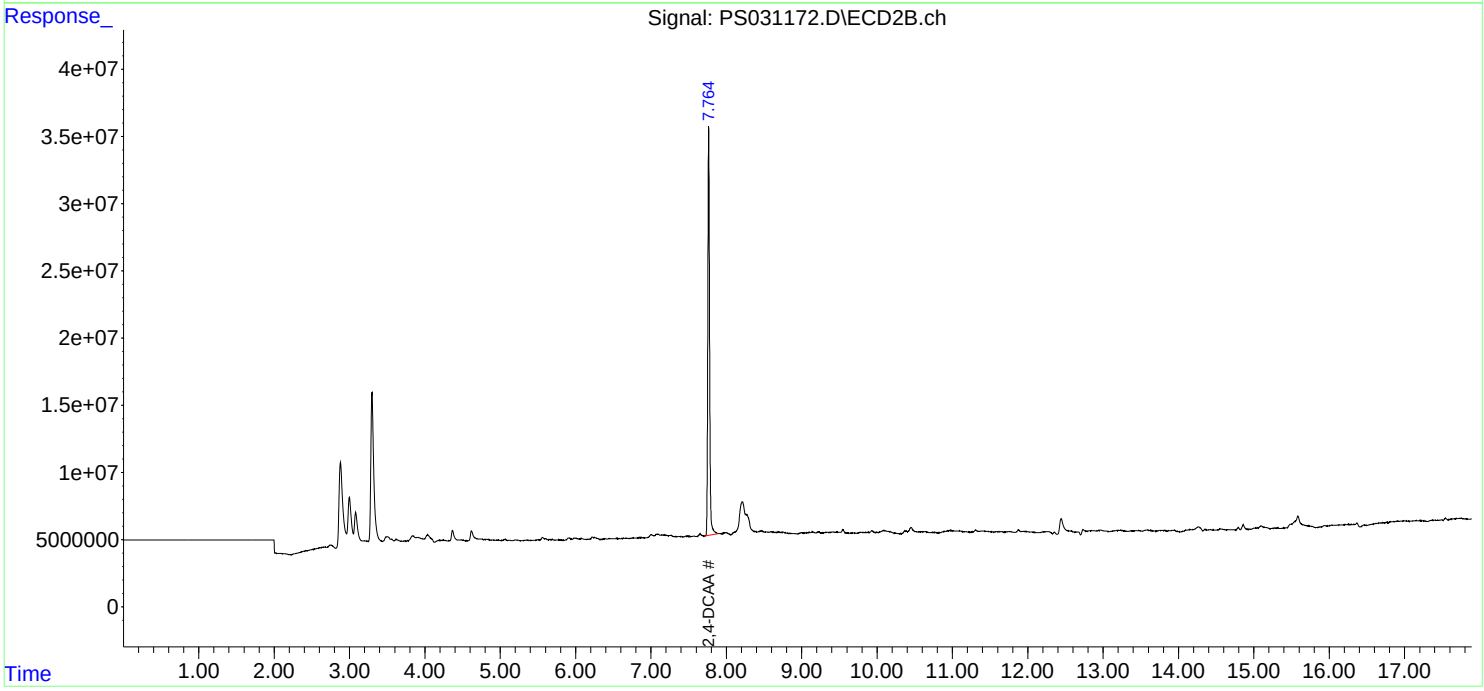
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031172.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 09:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

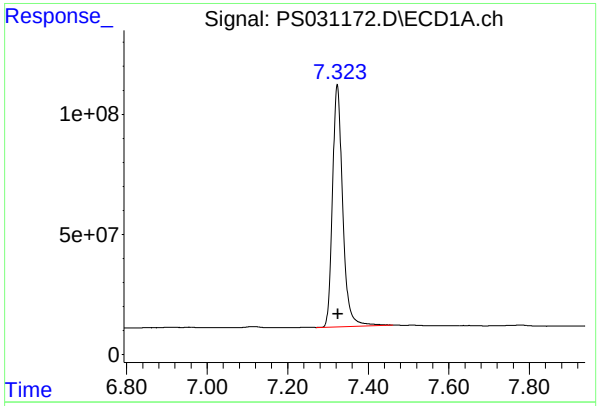
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:53:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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



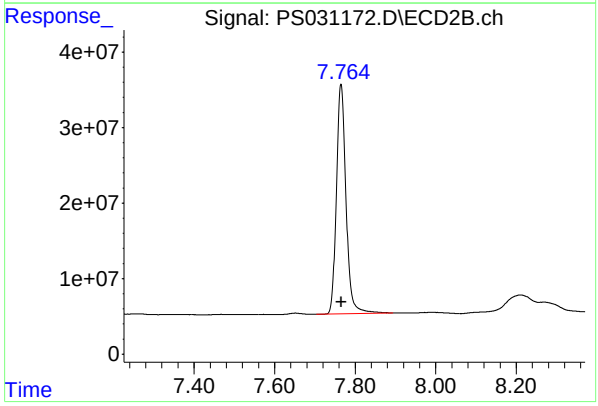




#4 2,4-DCAA

R.T.: 7.323 min
Delta R.T.: -0.001 min
Response: 1773788828
Conc: 407.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.001 min
Response: 501794764
Conc: 494.39 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:	07/22/25
Project:	Raymark Superfund Site	Date Received:	07/22/25
Client Sample ID:	PIBLK-PS031176.D	SDG No.:	Q2555
Lab Sample ID:	I.BLK-PS031176.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
PS031176.D	1		07/22/25	ps072225

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	495		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\PS072225\
Data File : PS031176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:52
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: Jul 23 01:54:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.325	7.763	1814.4E6	502.4E6	417.264	494.977
	Target Compounds						

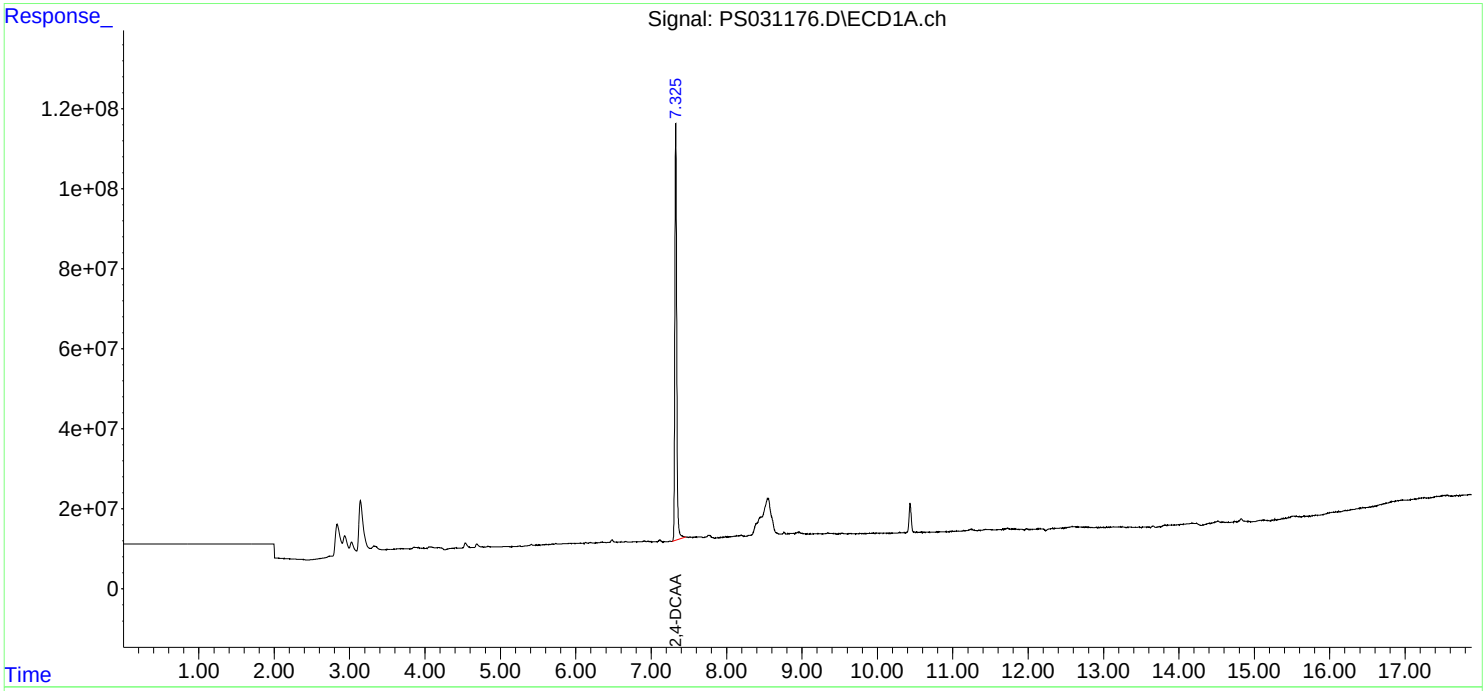
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

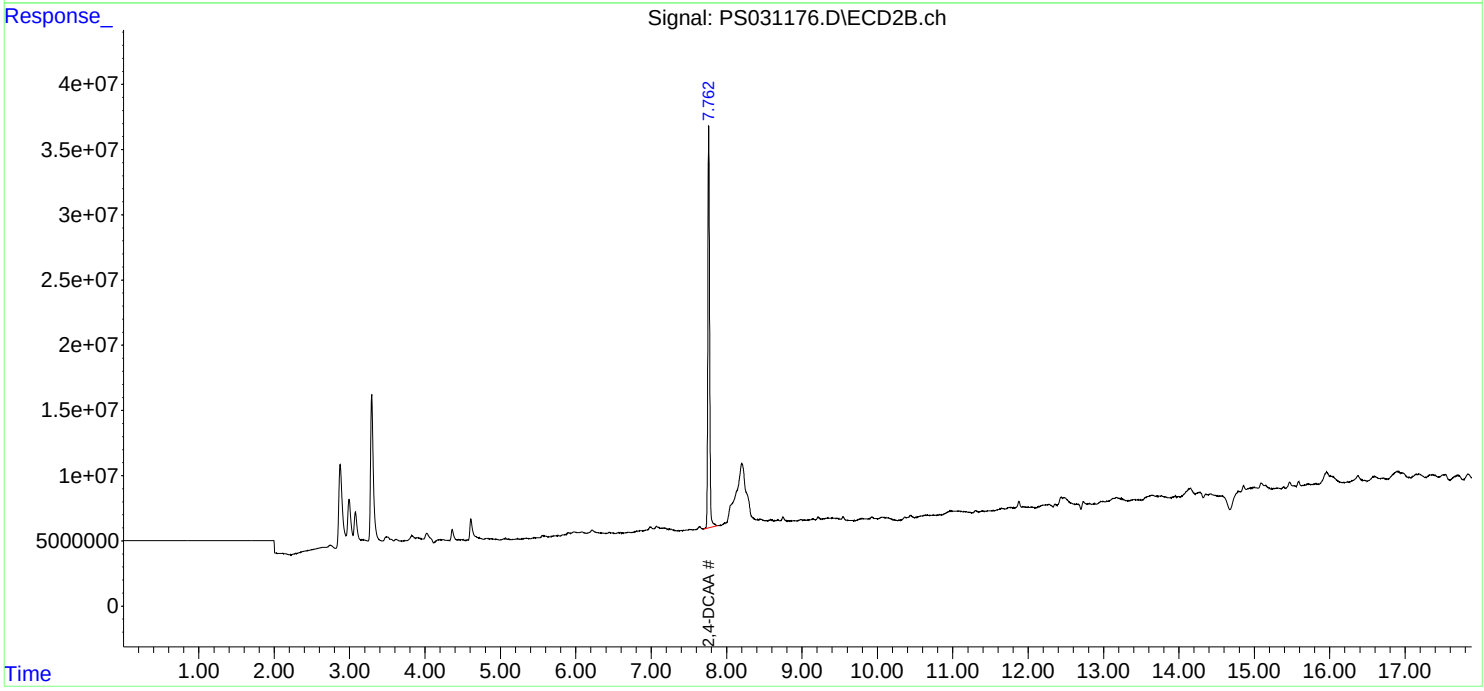
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

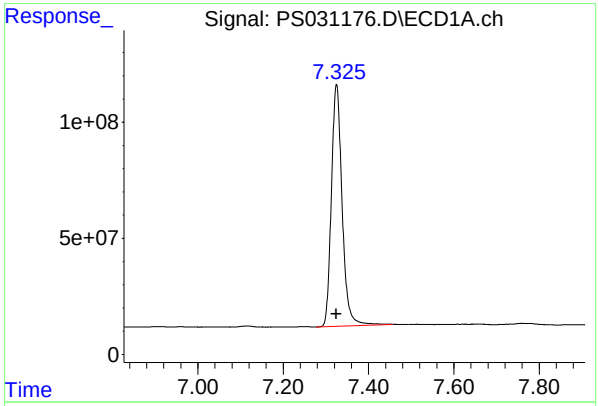
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:54:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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



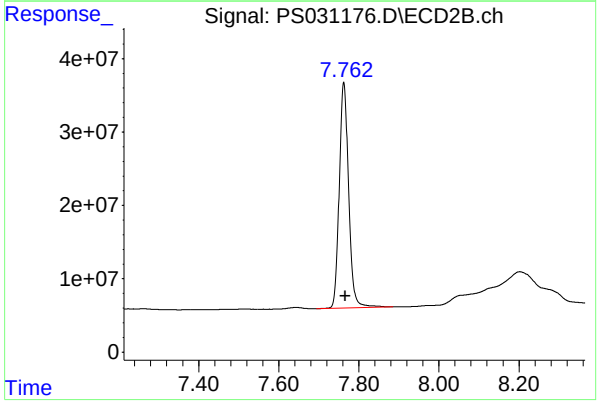




#4 2,4-DCAA

R.T.: 7.325 min
Delta R.T.: 0.000 mi
Response: 1814370967
Conc: 417.26 ng/m

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 502386049
Conc: 494.98 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:	PB168811BS	SDG No.:	Q2555
Lab Sample ID:	PB168811BS	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
PS031024.D	1	07/11/25 08:50	07/14/25 17:38	PB168811

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	0.15		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	0.19		0.0090	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.17		0.0091	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.19		0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.19		0.024	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.17		0.011	0.033	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	517		27 - 122		103%	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\PS071425\
Data File : PS031024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 17:38
Operator : AR\AJ
Sample : PB168811BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168811BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:31:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.332	7.766	2042.9E6	472.7E6	516.521	456.280
	Target Compounds						
1) T	Dalapon	2.695	2.704	2738.6E6	1195.8E6	449.553	420.631
2) T	3,5-DICHL...	6.493	6.712	2469.1E6	655.6E6	471.320	422.893
3) T	4-Nitroph...	7.132	7.299	716.9E6	736.5E6	531.009	422.308
5) T	DICAMBA	7.521	7.968	7342.8E6	2788.1E6	467.967	430.501
6) T	MCPP	7.701	8.065	408.8E6	90928794	44.426	42.531
7) T	MCPA	7.851	8.313	508.3E6	132.4E6	46.604	41.301
8) T	DICHLORPROP	8.234	8.688	1649.3E6	652.4E6	484.357	429.407
9) T	2,4-D	8.466	9.024	1708.9E6	741.7E6	555.121	436.405
10) T	Pentachlo...	8.773	9.548	25804.9E6	17608.3E6	513.413	456.943
11) T	2,4,5-TP ...	9.352	9.930	9734.5E6	6559.1E6	523.058	446.936
12) T	2,4,5-T	9.647	10.357	8452.3E6	6258.4E6	555.584	447.293
13) T	2,4-DB	10.224	10.924	1257.9E6	517.7E6	579.476	437.517
14) T	DINOSEB	11.439	11.309	6865.3E6	4891.7E6	520.732	430.926
15) T	Picloram	11.251	12.419	8710.3E6	10779.1E6	597.745	459.062
16) T	DCPA	11.736	12.352	13001.4E6	10201.6E6	543.146	452.358

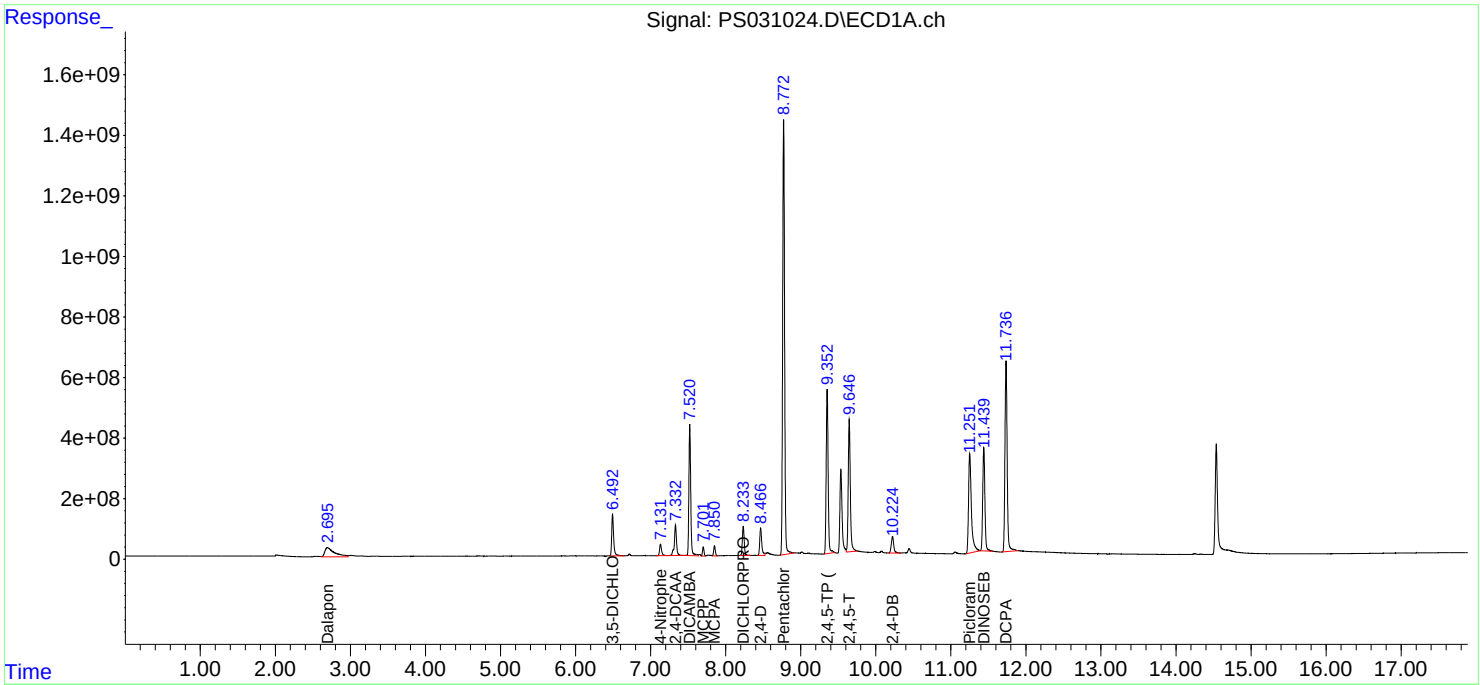
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

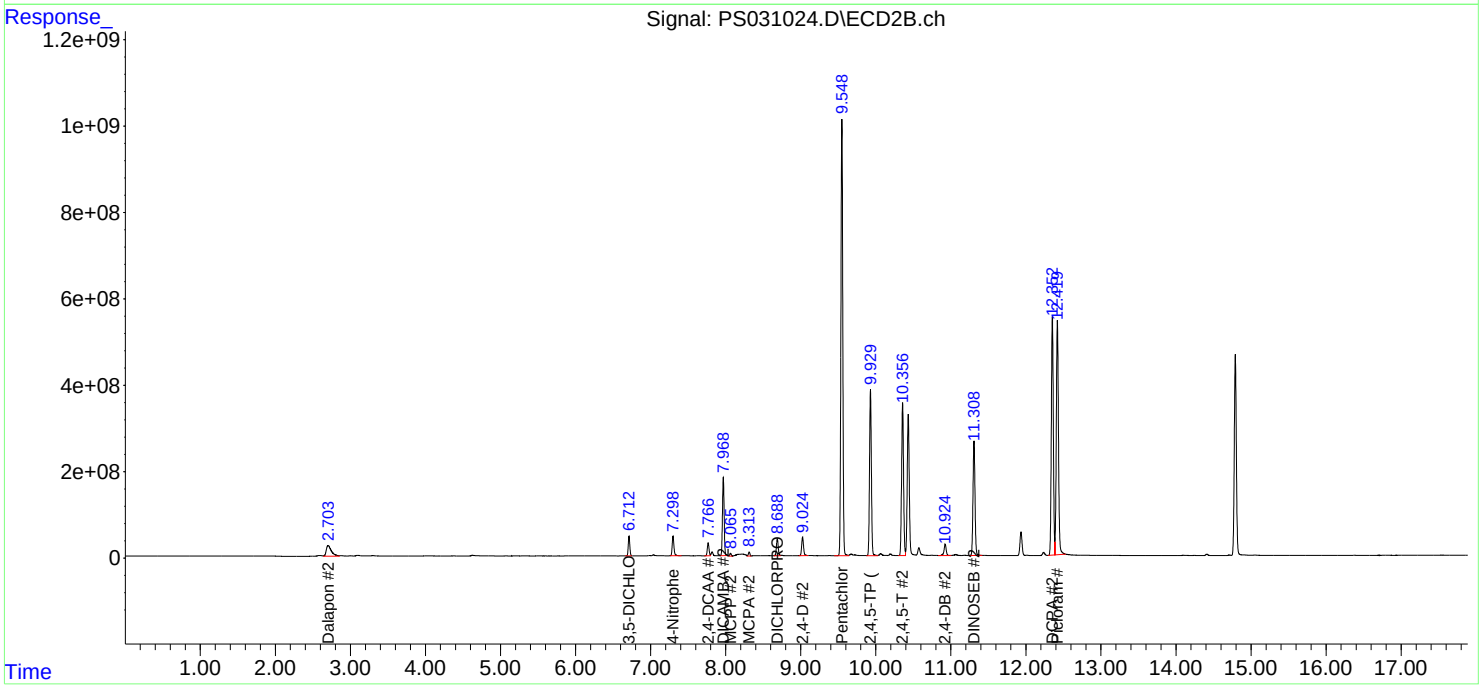
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 17:38
Operator : AR\AJ
Sample : PB168811BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

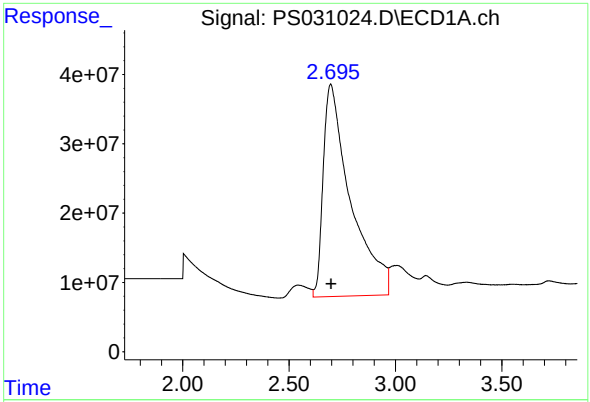
Instrument :
ECD_S
ClientSampleId :
PB168811BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:31:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



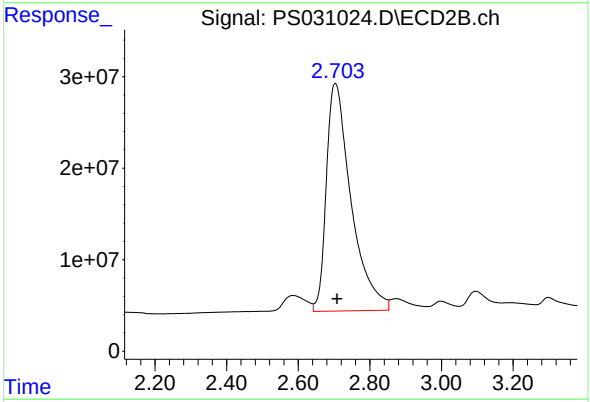




#1 Dalapon

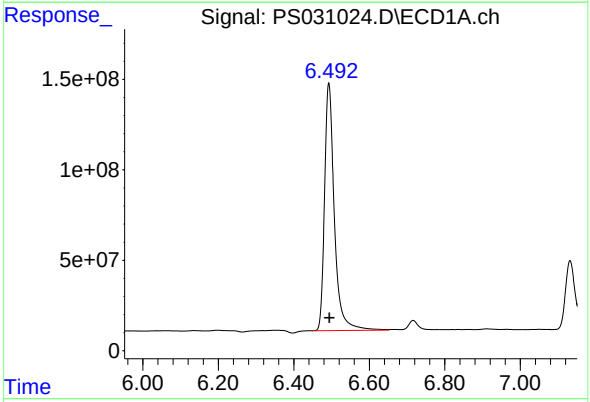
R.T.: 2.695 min
Delta R.T.: -0.003 min
Response: 2738552367
Conc: 449.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168811BS



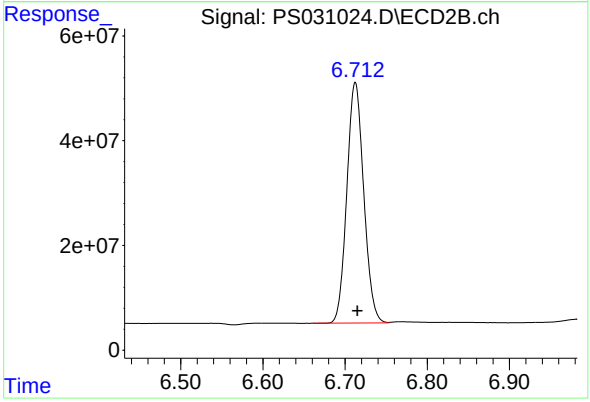
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: -0.005 min
Response: 1195795068
Conc: 420.63 ng/ml



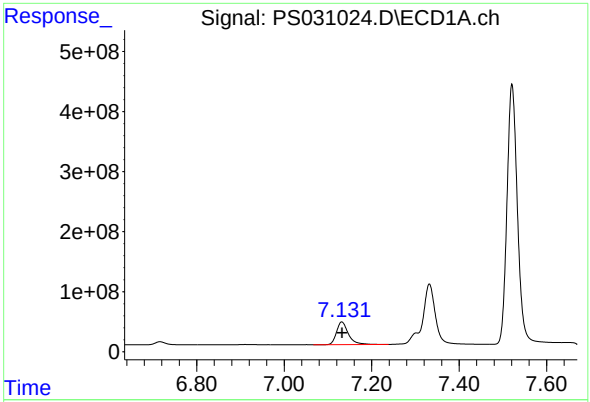
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.493 min
Delta R.T.: -0.001 min
Response: 2469058178
Conc: 471.32 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

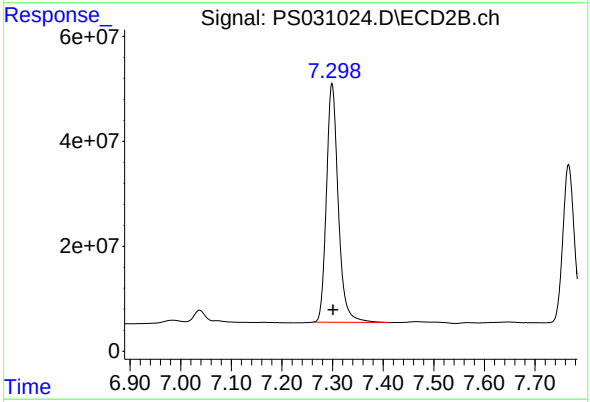
R.T.: 6.712 min
Delta R.T.: -0.002 min
Response: 655626752
Conc: 422.89 ng/ml



#3 4-Nitrophenol

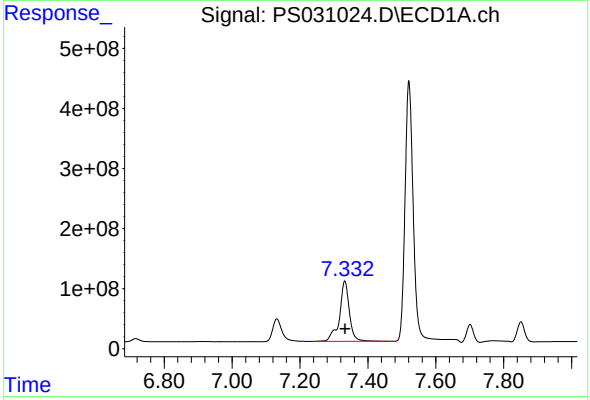
R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 716865758
Conc: 531.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168811BS



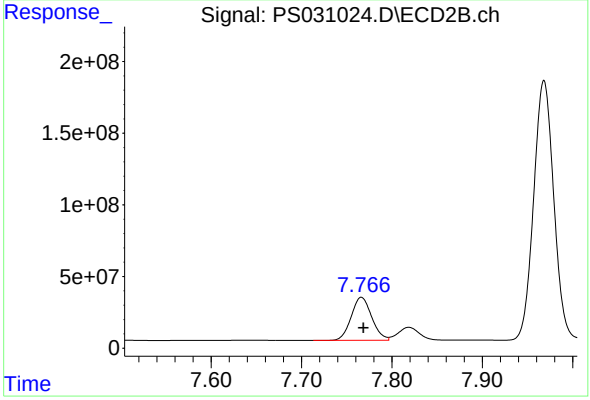
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.002 min
Response: 736457720
Conc: 422.31 ng/ml



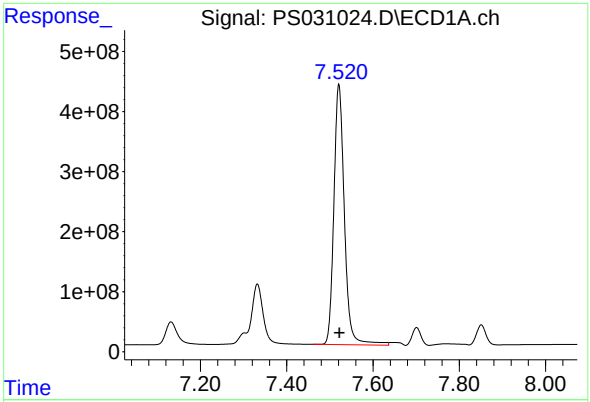
#4 2,4-DCAA

R.T.: 7.332 min
Delta R.T.: -0.001 min
Response: 2042880956
Conc: 516.52 ng/ml



#4 2,4-DCAA

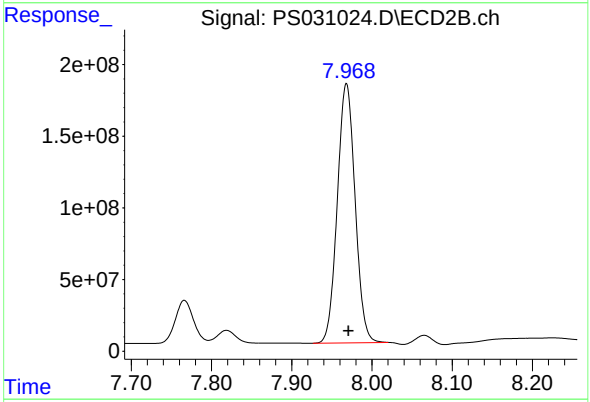
R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 472720454
Conc: 456.28 ng/ml



#5 DICAMBA

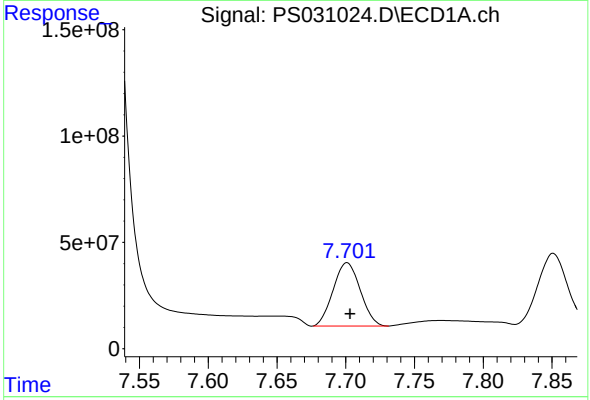
R.T.: 7.521 min
Delta R.T.: -0.002 min
Response: 7342823929
Conc: 467.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168811BS



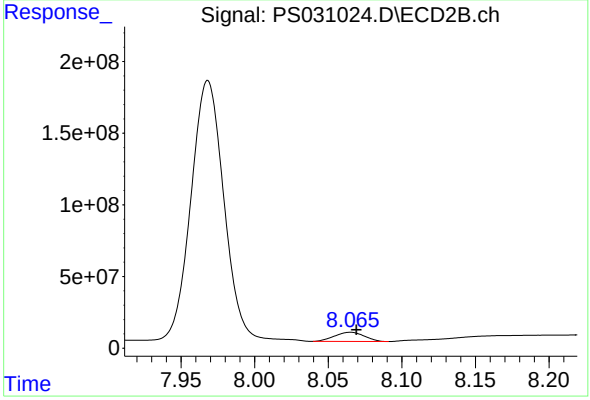
#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: -0.002 min
Response: 2788106302
Conc: 430.50 ng/ml



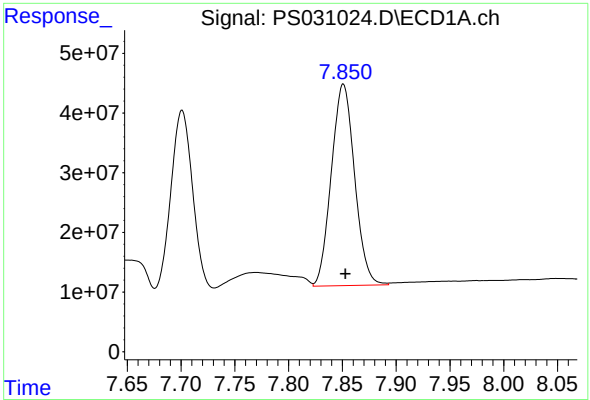
#6 MCPP

R.T.: 7.701 min
Delta R.T.: -0.002 min
Response: 408777639
Conc: 44.43 ug/ml



#6 MCPP

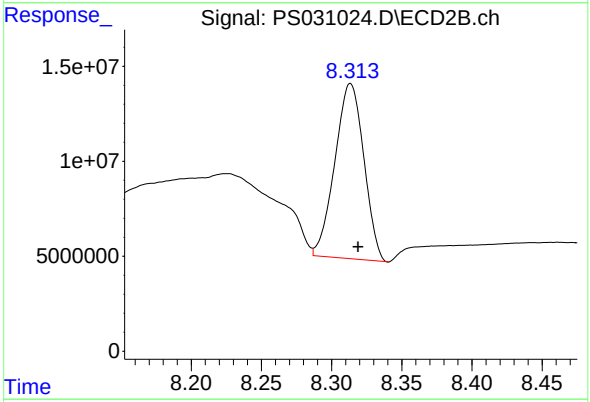
R.T.: 8.065 min
Delta R.T.: -0.004 min
Response: 90928794
Conc: 42.53 ug/ml



#7 MCPA

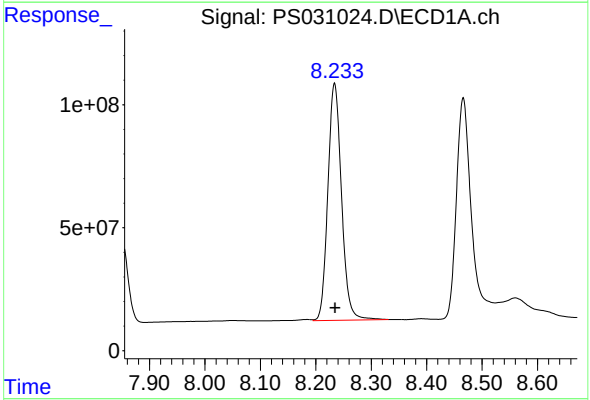
R.T.: 7.851 min
Delta R.T.: -0.002 min
Response: 508297487
Conc: 46.60 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB168811BS



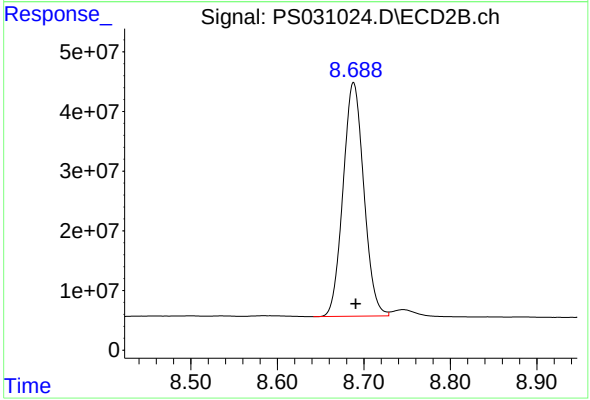
#7 MCPA

R.T.: 8.313 min
Delta R.T.: -0.005 min
Response: 132395871
Conc: 41.30 ug/ml



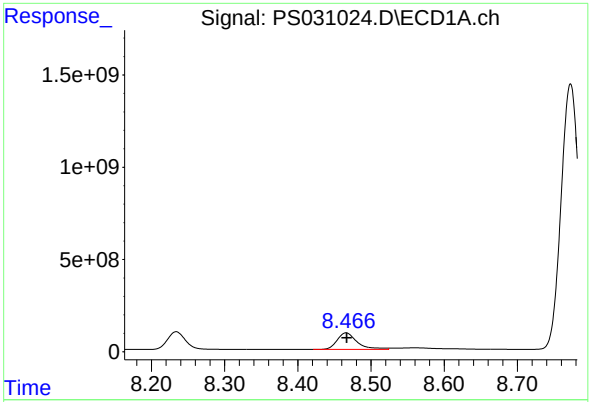
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 1649311843
Conc: 484.36 ng/ml



#8 DICHLORPROP

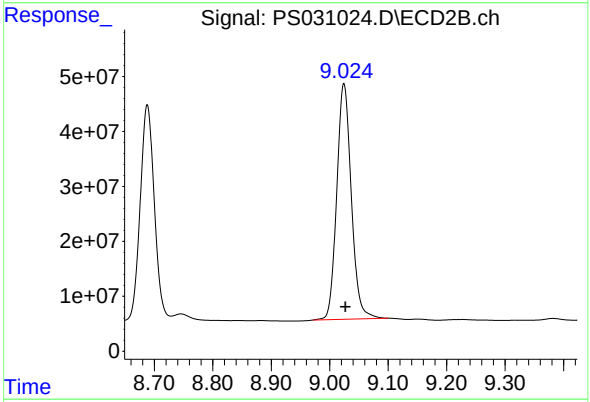
R.T.: 8.688 min
Delta R.T.: -0.002 min
Response: 652381867
Conc: 429.41 ng/ml



#9 2,4-D

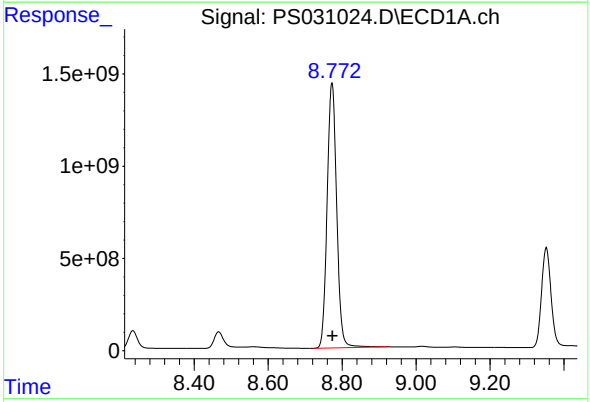
R.T.: 8.466 min
Delta R.T.: 0.000 min
Response: 1708905898
Conc: 555.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168811BS



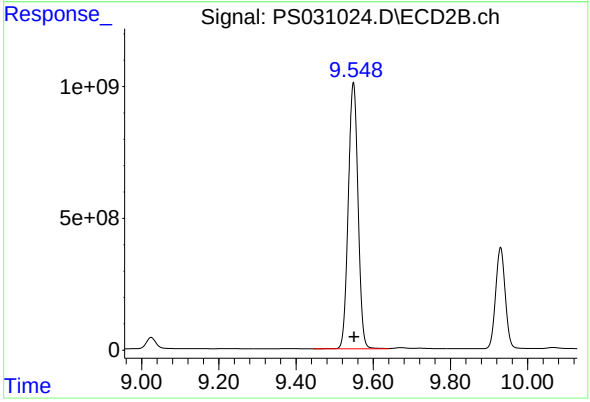
#9 2,4-D

R.T.: 9.024 min
Delta R.T.: -0.003 min
Response: 741654654
Conc: 436.40 ng/ml



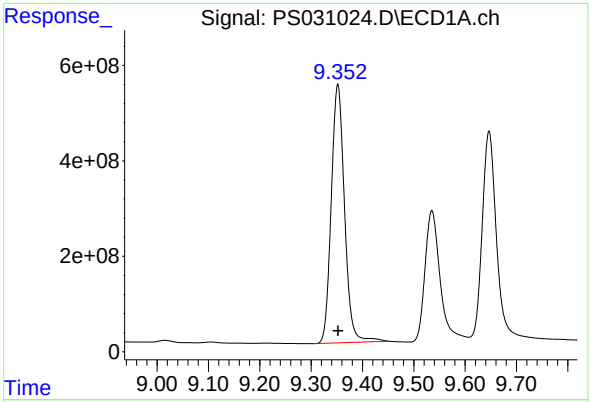
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 25804931732
Conc: 513.41 ng/ml



#10 Pentachlorophenol

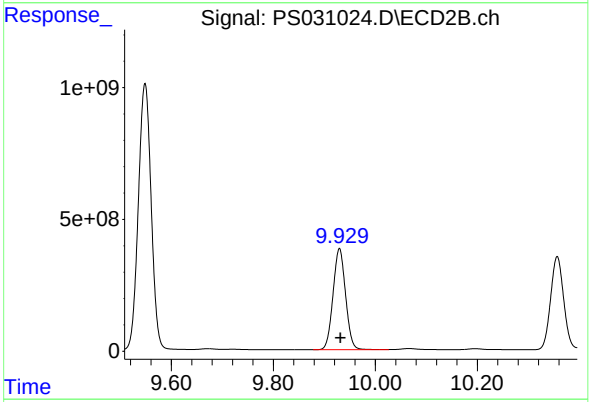
R.T.: 9.548 min
Delta R.T.: -0.002 min
Response: 17608317012
Conc: 456.94 ng/ml



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

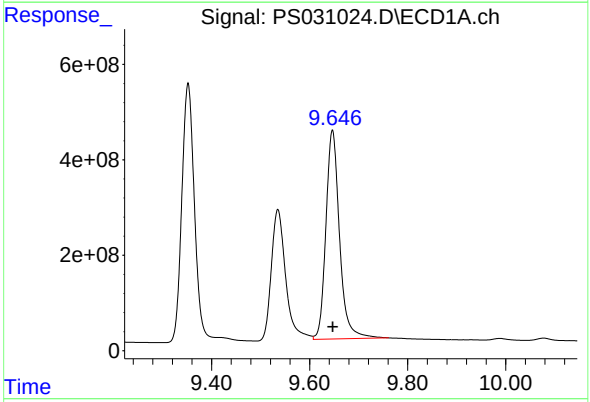
R.T.: 9.352 min
Delta R.T.: 0.000 min
Response: 9734491994
Conc: 523.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168811BS



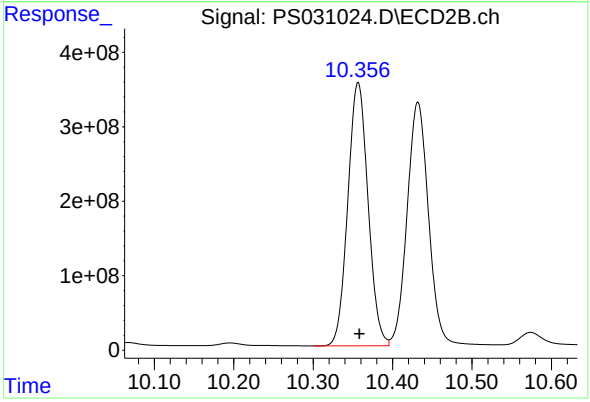
#11 2,4,5-TP (SILVEX)

R.T.: 9.930 min
Delta R.T.: -0.002 min
Response: 6559126769
Conc: 446.94 ng/ml



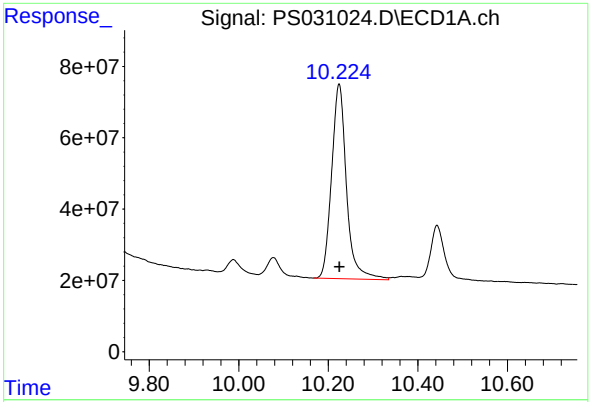
#12 2,4,5-T

R.T.: 9.647 min
Delta R.T.: 0.000 min
Response: 8452276814
Conc: 555.58 ng/ml



#12 2,4,5-T

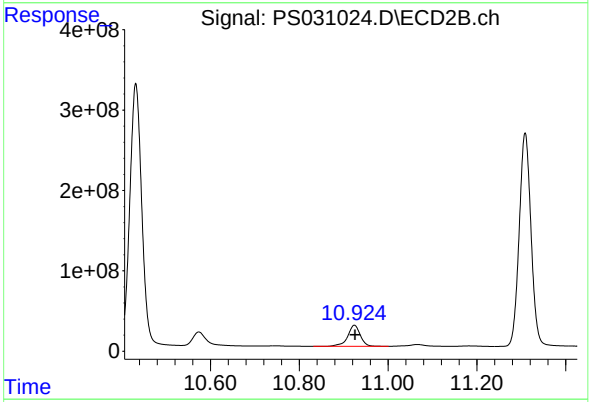
R.T.: 10.357 min
Delta R.T.: -0.002 min
Response: 6258439558
Conc: 447.29 ng/ml



#13 2,4-DB

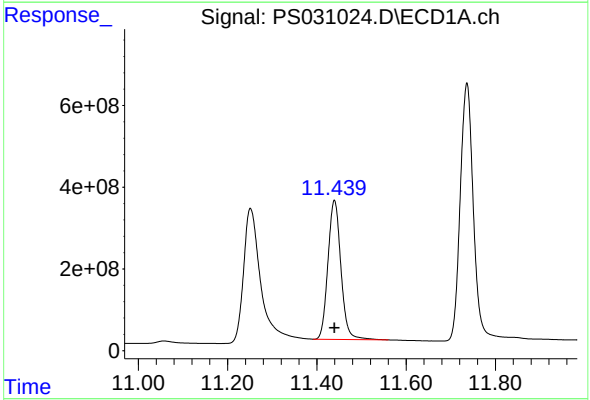
R.T.: 10.224 min
Delta R.T.: 0.000 min
Response: 1257921239
Conc: 579.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168811BS



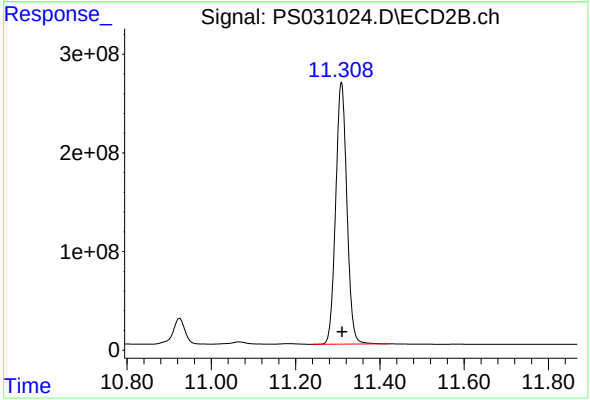
#13 2,4-DB

R.T.: 10.924 min
Delta R.T.: -0.002 min
Response: 517662416
Conc: 437.52 ng/ml



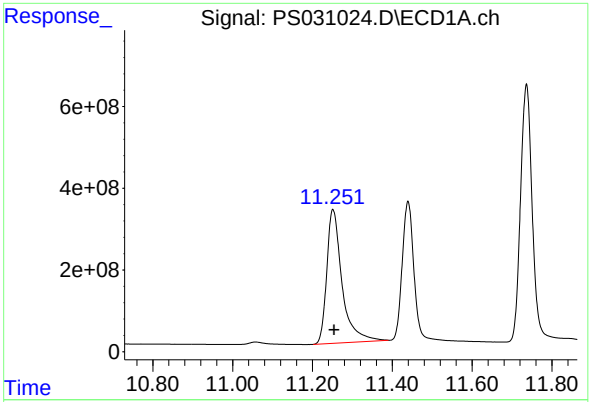
#14 DINOSEB

R.T.: 11.439 min
Delta R.T.: 0.000 min
Response: 6865273971
Conc: 520.73 ng/ml



#14 DINOSEB

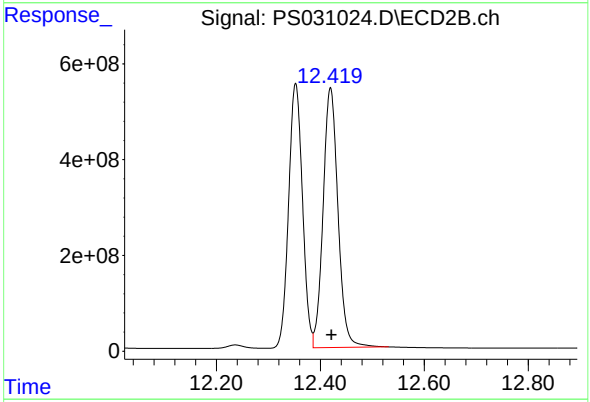
R.T.: 11.309 min
Delta R.T.: -0.002 min
Response: 4891663735
Conc: 430.93 ng/ml



#15 Picloram

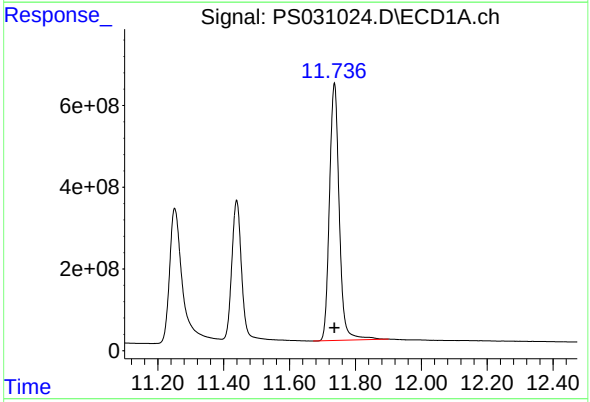
R.T.: 11.251 min
Delta R.T.: -0.003 min
Response: 8710309139
Conc: 597.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168811BS



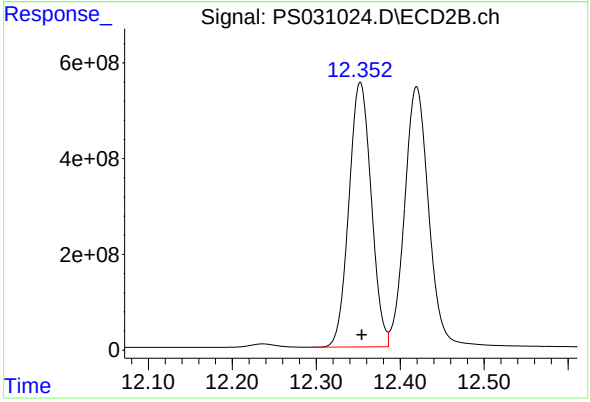
#15 Picloram

R.T.: 12.419 min
Delta R.T.: -0.002 min
Response: 10779088425
Conc: 459.06 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 13001386984
Conc: 543.15 ng/ml



#16 DCPA

R.T.: 12.352 min
Delta R.T.: -0.002 min
Response: 10201564404
Conc: 452.36 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:	07/08/25
Project:	Raymark Superfund Site	Date Received:	07/08/25
Client Sample ID:	TP-30MS	SDG No.:	Q2555
Lab Sample ID:	Q2529-10MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.4 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
PS031145.D	1	07/11/25 08:50	07/18/25 21:46	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.084		0.0085	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.29	P	0.019	0.055	0.073	mg/Kg
120-36-5	DICHLORPROP	0.091		0.014	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.18		0.0099	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.28	P	0.0099	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.12		0.0095	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.030	J	0.027	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.036	U	0.012	0.036	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	220		27 - 122		44%	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\PS071825\
Data File : PS031145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 21:46
Operator : AR\AJ
Sample : Q2529-10MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-30MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.321	7.768	612.2E6	228.3E6	154.789	220.320 #
	Target Compounds						
1) T	Dalapon	2.683	2.703	592.4E6	2234.7E6	97.239m	786.084m#
2) T	3,5-DICHL...	6.487	6.713	933.6E6	274.5E6	178.212	177.067
5) T	DICAMBA	7.512	7.967	3599.0E6	1468.9E6	229.366	226.805
6) T	MCPP	7.690	8.065	114.7E6	19598607	12.464m	9.167 #
7) T	MCPA	7.840	8.310	182.6E6	49894552	16.738m	15.565
8) T	DICHLORPROP	8.225	8.687	788.9E6	377.4E6	231.666	248.404
9) T	2,4-D	8.457	9.026	1509.9E6	709.6E6	490.481	417.527m
10) T	Pentachlo...	8.762	9.546	3239.6E6	2199.2E6	64.454	57.069
11) T	2,4,5-TP ...	9.341	9.938	5018.3E6	11413.4E6	269.646	777.705 #
12) T	2,4,5-T	9.635	10.354	5063.6E6	3263.8E6	332.841	233.266 #
13) T	2,4-DB	10.213	10.920	178.5E6	94414429	82.217m	79.797m
15) T	Picloram	11.236	12.416	5378.6E6	5198.9E6	369.104m	221.413 #
16) T	DCPA	11.723	12.351	8021.0E6	6103.5E6	335.087	270.643

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

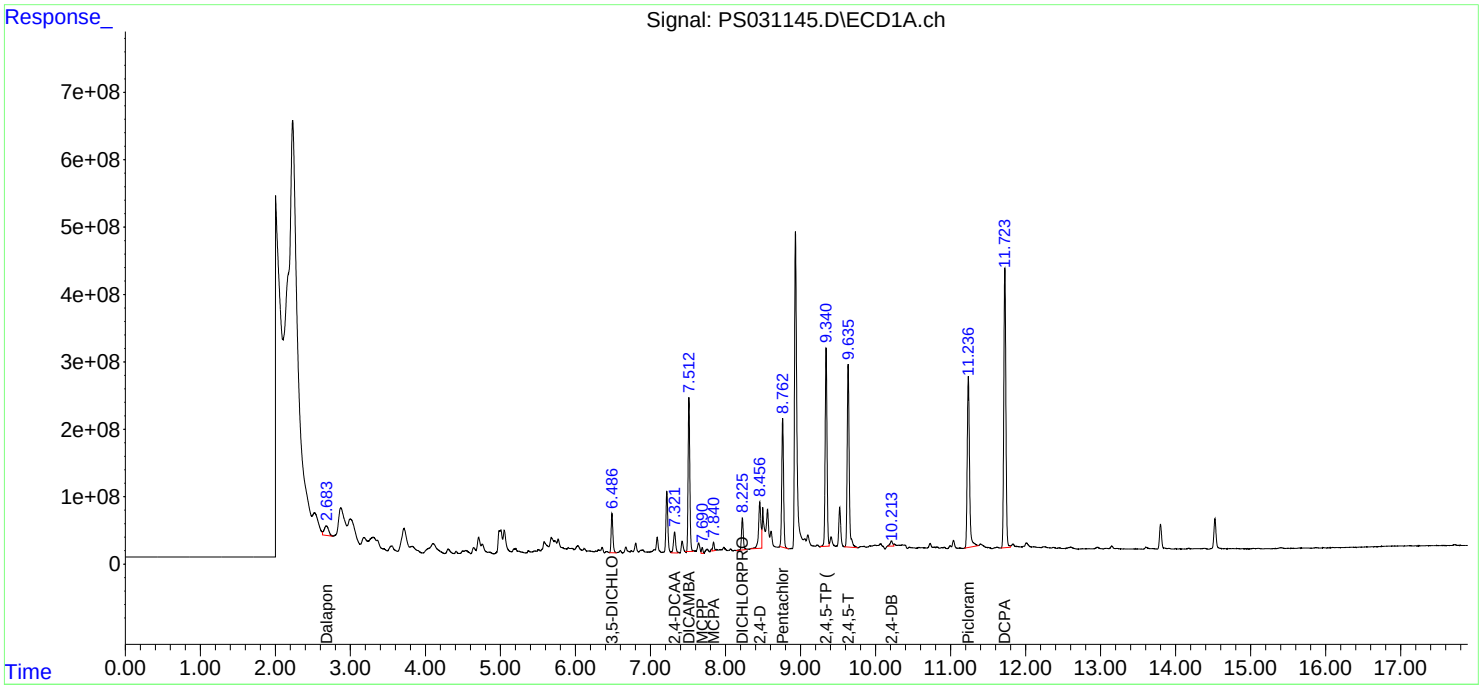
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 21:46
Operator : AR\AJ
Sample : Q2529-10MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

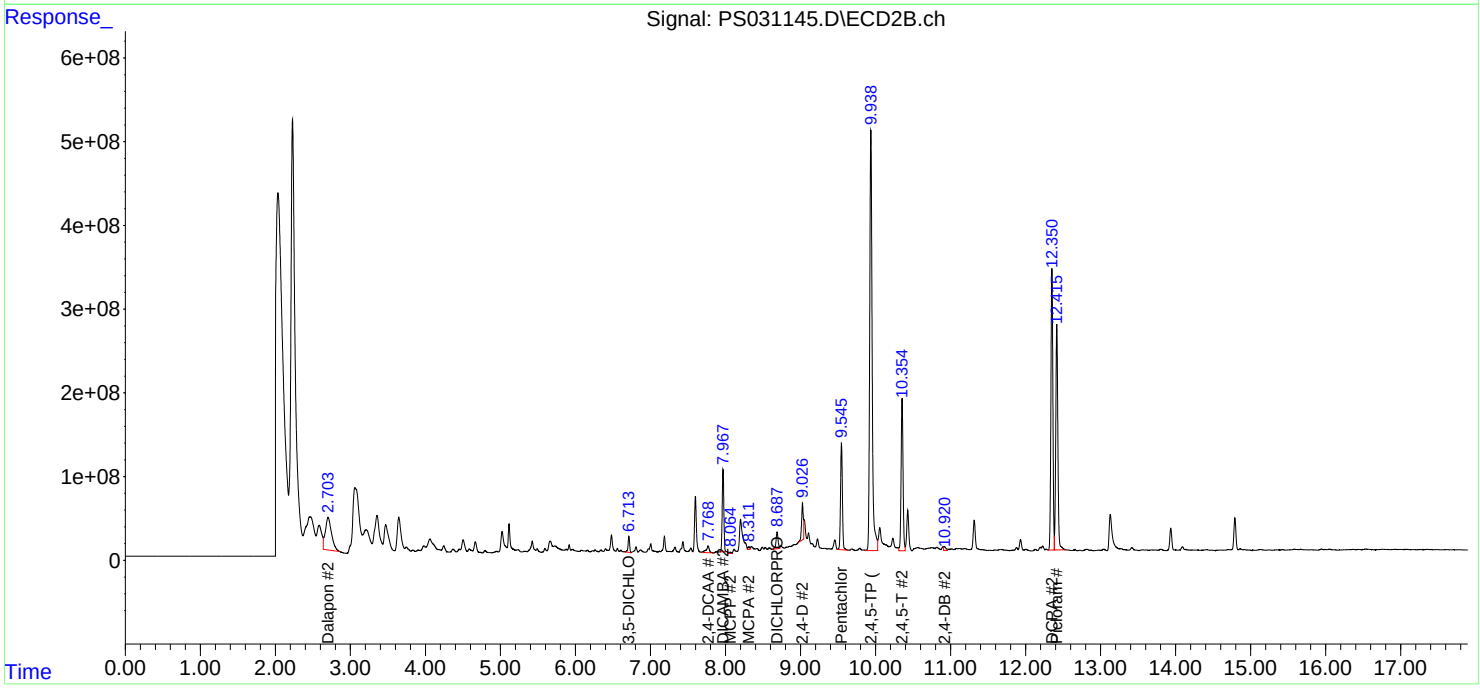
Instrument :
ECD_S
ClientSampleId :
TP-30MS

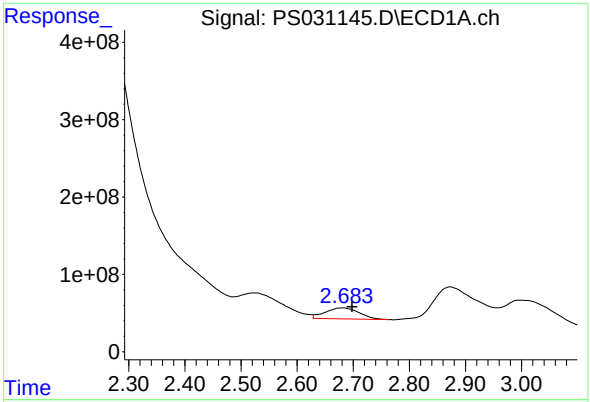
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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







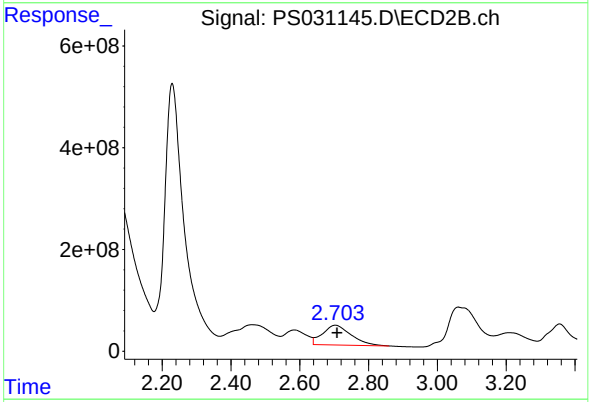
#1 Dalapon

R.T.: 2.683 min
Delta R.T.: -0.015 min
Response: 592351669
Conc: 97.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS

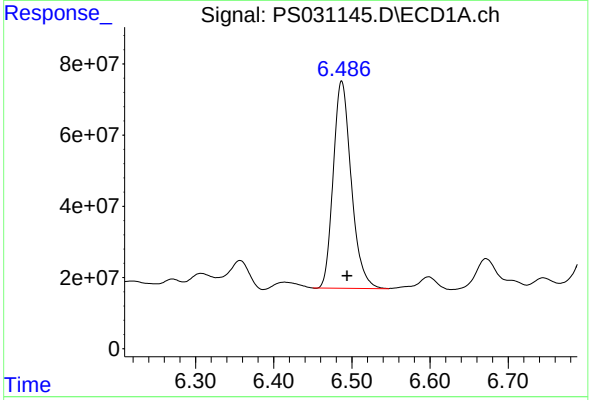
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



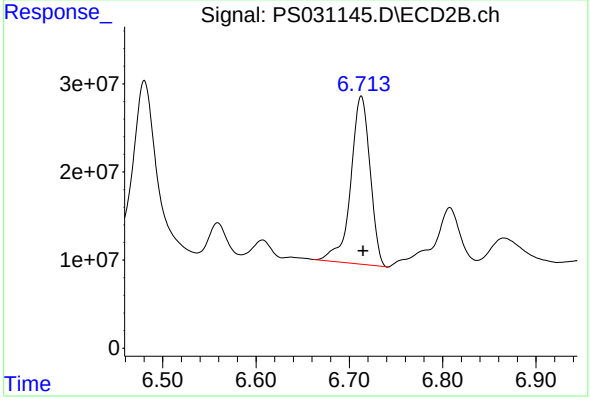
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: -0.006 min
Response: 2234726339
Conc: 786.08 ng/ml m



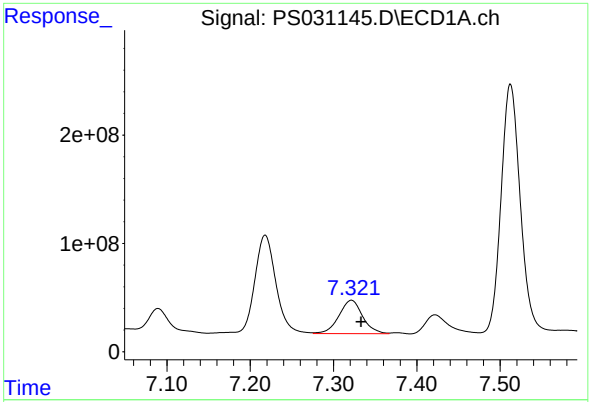
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: -0.007 min
Response: 933581822
Conc: 178.21 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: -0.002 min
Response: 274512940
Conc: 177.07 ng/ml



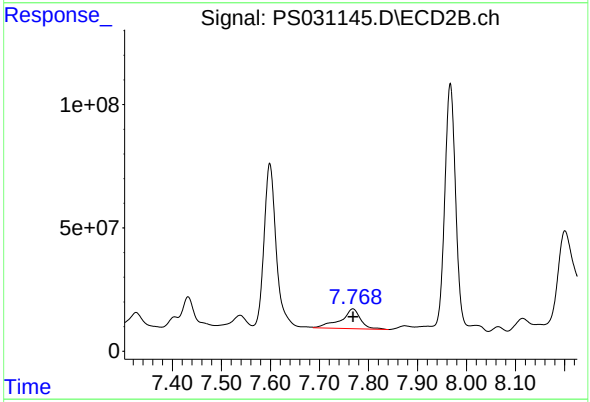
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.012 min
Response: 612200871
Conc: 154.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS

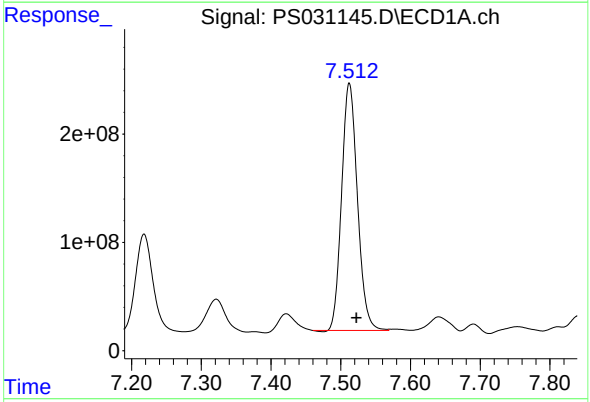
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



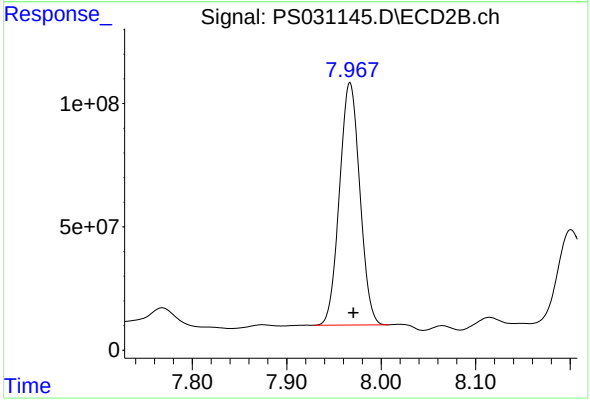
#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 228259185
Conc: 220.32 ng/ml



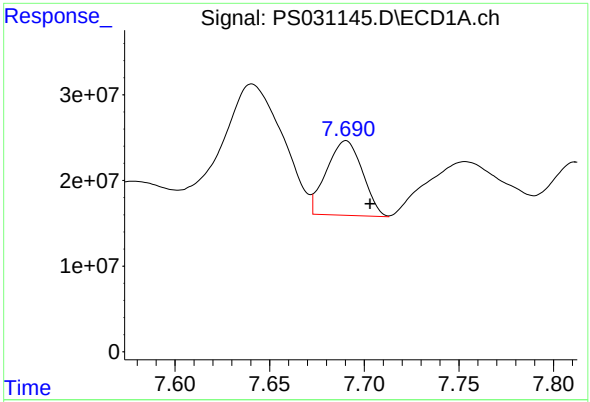
#5 DICAMBA

R.T.: 7.512 min
Delta R.T.: -0.010 min
Response: 3598964190
Conc: 229.37 ng/ml



#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.004 min
Response: 1468884095
Conc: 226.80 ng/ml



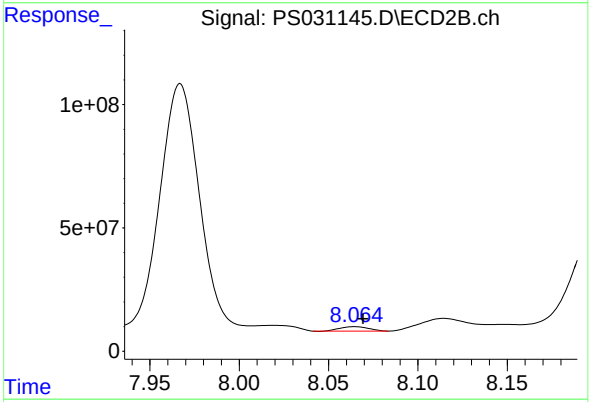
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.013 min
Response: 114682103
Conc: 12.46 ug/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS

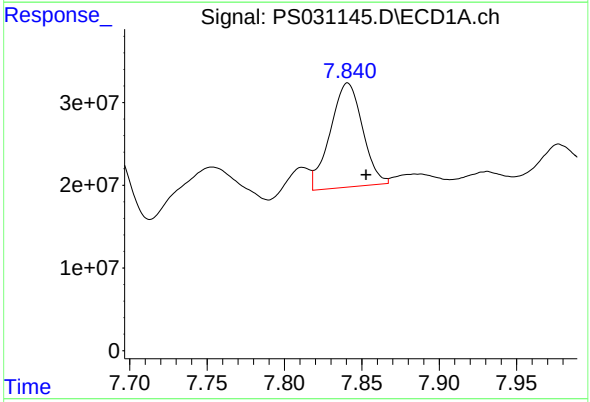
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



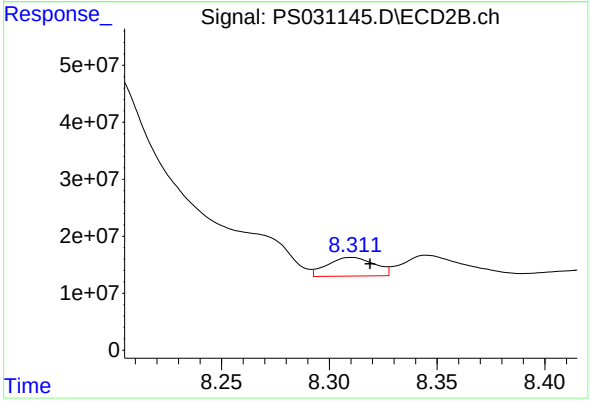
#6 MCPP

R.T.: 8.065 min
Delta R.T.: -0.005 min
Response: 19598607
Conc: 9.17 ug/ml



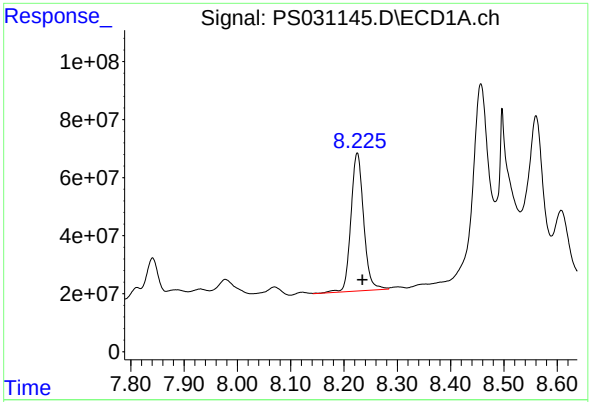
#7 MCPA

R.T.: 7.840 min
Delta R.T.: -0.012 min
Response: 182554205
Conc: 16.74 ug/ml m



#7 MCPA

R.T.: 8.310 min
Delta R.T.: -0.009 min
Response: 49894552
Conc: 15.56 ug/ml



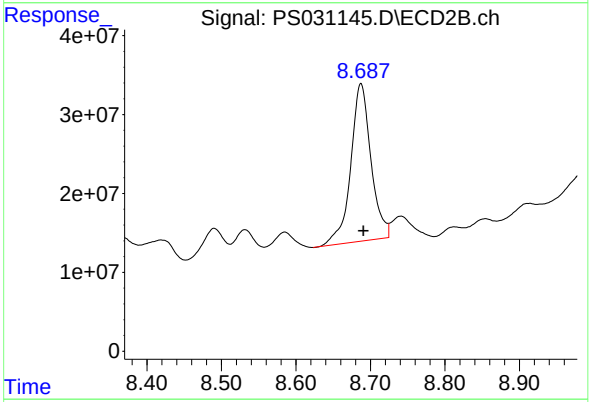
#8 DICHLORPROP

R.T.: 8.225 min
Delta R.T.: -0.010 min
Response: 788857514
Conc: 231.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS

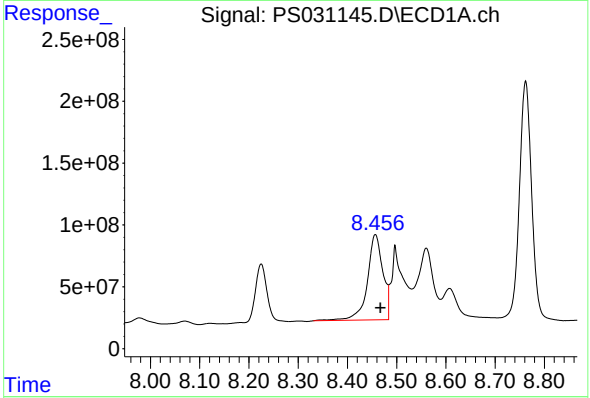
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



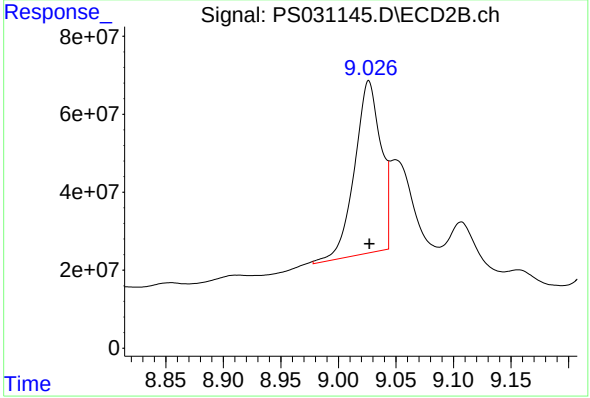
#8 DICHLORPROP

R.T.: 8.687 min
Delta R.T.: -0.003 min
Response: 377390655
Conc: 248.40 ng/ml



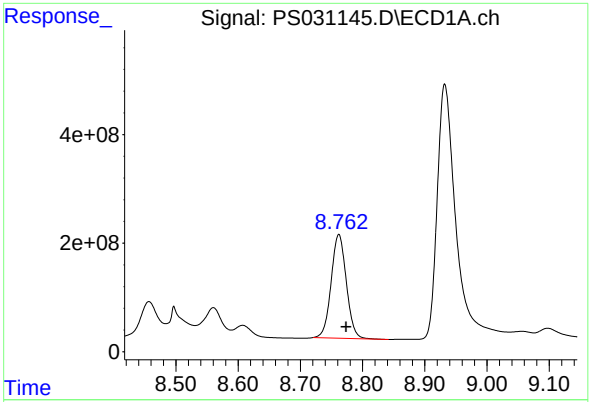
#9 2,4-D

R.T.: 8.457 min
Delta R.T.: -0.010 min
Response: 1509915031
Conc: 490.48 ng/ml



#9 2,4-D

R.T.: 9.026 min
Delta R.T.: -0.001 min
Response: 709572581
Conc: 417.53 ng/ml m



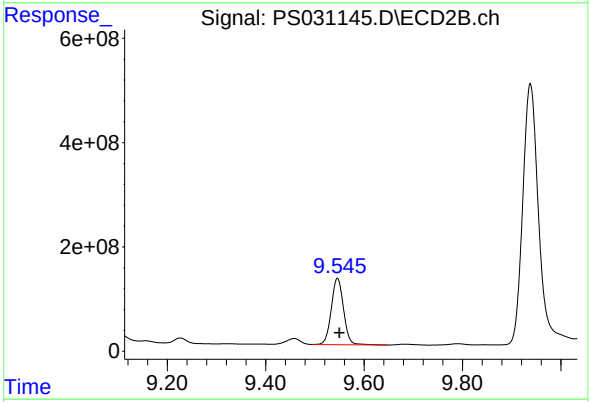
#10 Pentachlorophenol

R.T.: 8.762 min
Delta R.T.: -0.011 min
Response: 3239559666
Conc: 64.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS

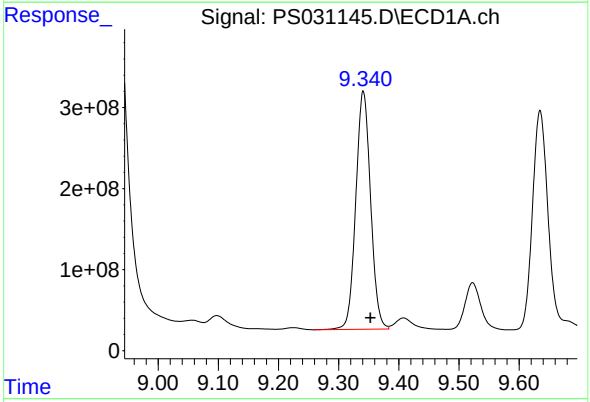
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



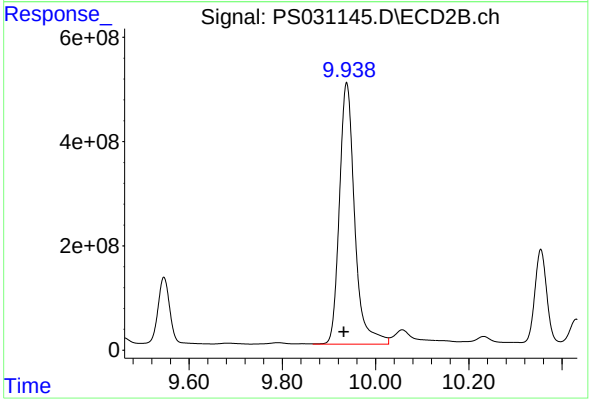
#10 Pentachlorophenol

R.T.: 9.546 min
Delta R.T.: -0.004 min
Response: 2199163388
Conc: 57.07 ng/ml



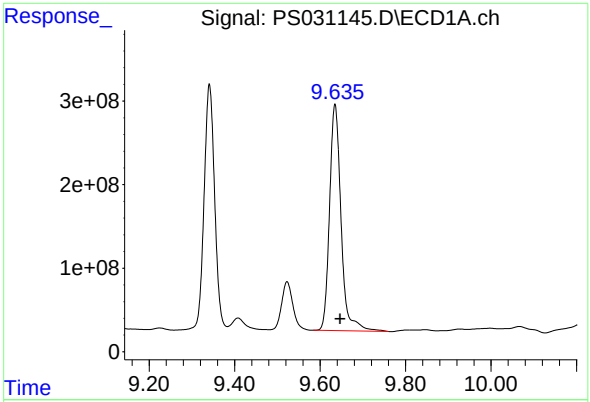
#11 2,4,5-TP (SILVEX)

R.T.: 9.341 min
Delta R.T.: -0.012 min
Response: 5018306526
Conc: 269.65 ng/ml



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

R.T.: 9.938 min
Delta R.T.: 0.006 min
Response: 11413416927
Conc: 777.70 ng/ml



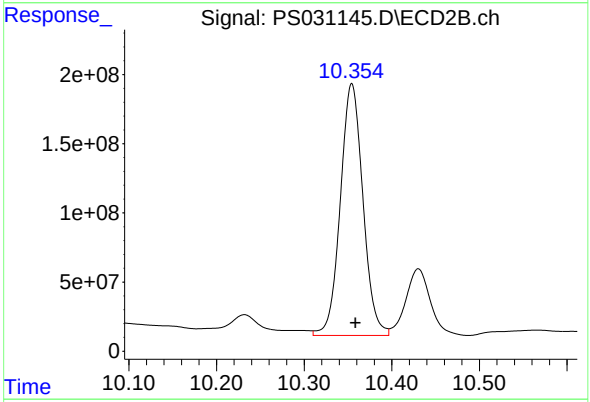
#12 2,4,5-T

R.T.: 9.635 min
Delta R.T.: -0.012 min
Response: 5063615581
Conc: 332.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS

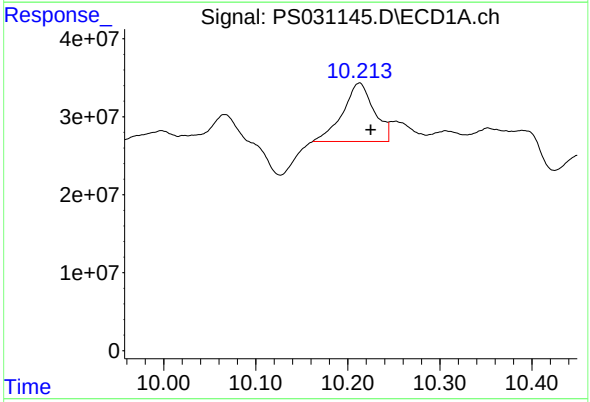
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



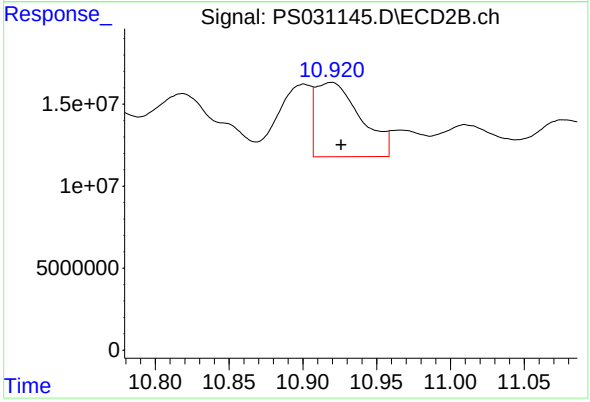
#12 2,4,5-T

R.T.: 10.354 min
Delta R.T.: -0.004 min
Response: 3263820142
Conc: 233.27 ng/ml



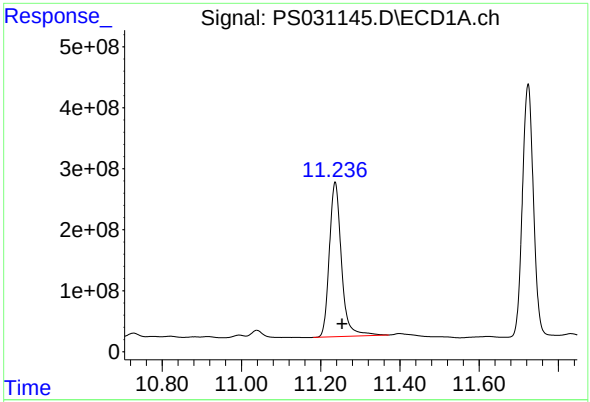
#13 2,4-DB

R.T.: 10.213 min
Delta R.T.: -0.012 min
Response: 178475589
Conc: 82.22 ng/ml m



#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.006 min
Response: 94414429
Conc: 79.80 ng/ml m



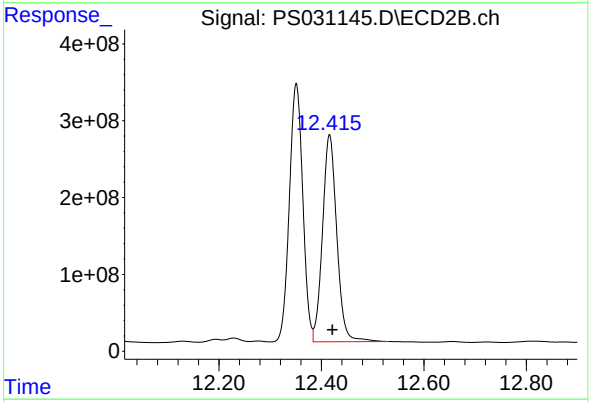
#15 Picloram

R.T.: 11.236 min
Delta R.T.: -0.018 min
Response: 5378561334
Conc: 369.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS

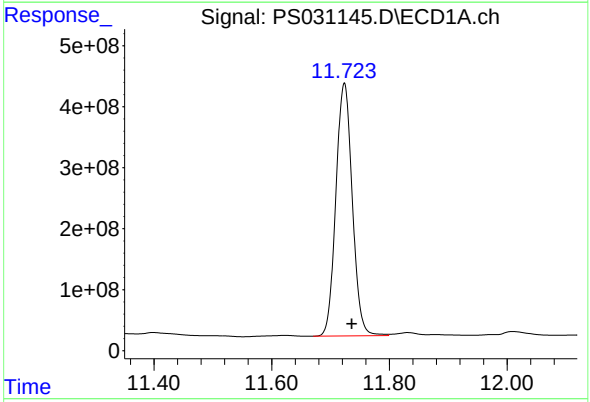
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



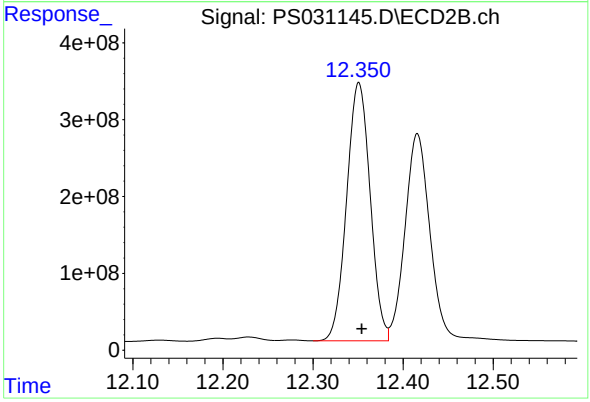
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.005 min
Response: 5198921193
Conc: 221.41 ng/ml



#16 DCPA

R.T.: 11.723 min
Delta R.T.: -0.013 min
Response: 8021044963
Conc: 335.09 ng/ml



#16 DCPA

R.T.: 12.351 min
Delta R.T.: -0.003 min
Response: 6103536142
Conc: 270.64 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:	07/08/25
Project:	Raymark Superfund Site	Date Received:	07/08/25
Client Sample ID:	TP-30MSD	SDG No.:	Q2555
Lab Sample ID:	Q2529-10MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.4 Decanted:
Sample Wt/Vol:	30.05 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
PS031146.D	1	07/11/25 08:50	07/18/25 22:10	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.099		0.0085	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.30	P	0.019	0.055	0.073	mg/Kg
120-36-5	DICHLORPROP	0.11		0.014	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.19		0.0099	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.30	P	0.0099	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.14		0.0095	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.032	J	0.026	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.036	U	0.012	0.036	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	257		27 - 122		51%	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\PS071825\
Data File : PS031146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 22:10
Operator : AR\AJ
Sample : Q2529-10MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-30MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.323	7.768	713.3E6	266.3E6	180.347	257.067 #
	Target Compounds						
1) T	Dalapon	2.680	2.697	648.7E6	2317.5E6	106.489m	815.200m#
2) T	3,5-DICHL...	6.488	6.713	1194.4E6	343.6E6	228.002	221.624
5) T	DICAMBA	7.514	7.968	4249.8E6	1744.3E6	270.845	269.324
6) T	MCPP	7.692	8.065	117.1E6	29807620	12.728	13.942
7) T	MCPA	7.842	8.312	315.2E6	89941204	28.895	28.057
8) T	DICHLORPROP	8.225	8.687	950.5E6	447.4E6	279.148	294.458
9) T	2,4-D	8.457	9.026	1622.9E6	767.1E6	527.186	451.403m
10) T	Pentachlo...	8.763	9.547	4390.0E6	3004.2E6	87.342	77.959
11) T	2,4,5-TP ...	9.342	9.937	5993.2E6	11988.6E6	322.031	816.896 #
12) T	2,4,5-T	9.636	10.354	5988.2E6	3889.9E6	393.617	278.010 #
13) T	2,4-DB	10.212	10.918	190.8E6	94162078	87.873m	79.584m
15) T	Picloram	11.236	12.416	5975.9E6	5900.2E6	410.096m	251.281 #
16) T	DCPA	11.725	12.351	8931.1E6	6957.1E6	373.107	308.491

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

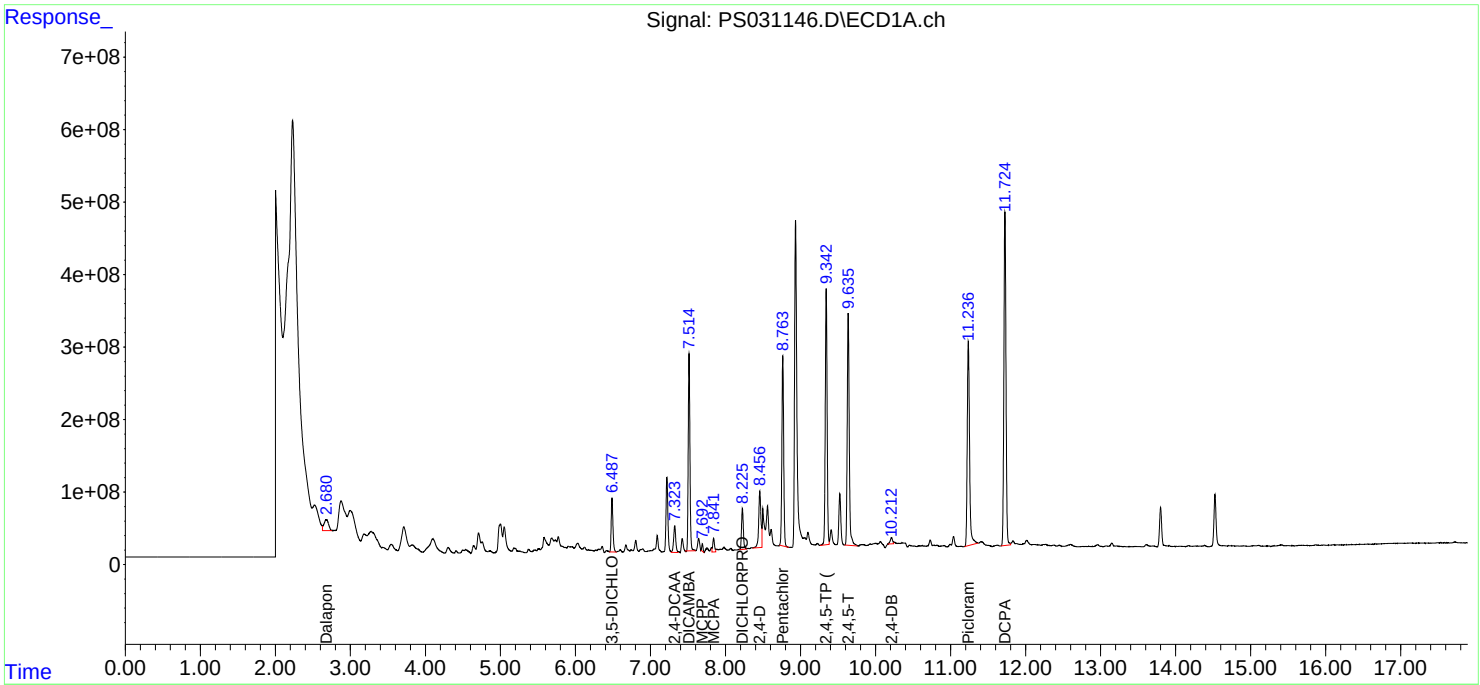
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 22:10
Operator : AR\AJ
Sample : Q2529-10MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

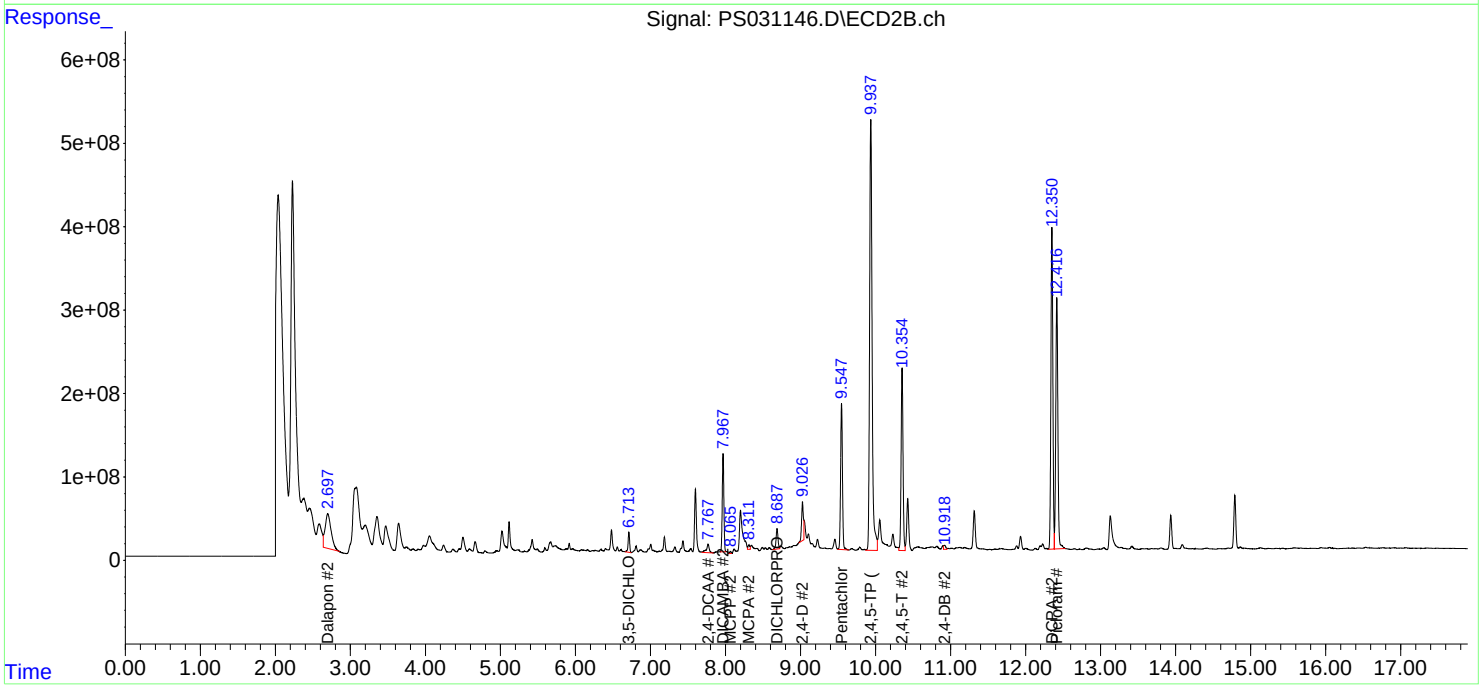
Instrument :
ECD_S
ClientSampleId :
TP-30MSD

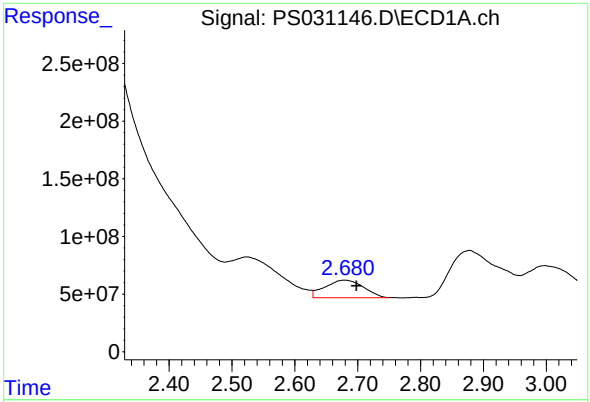
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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







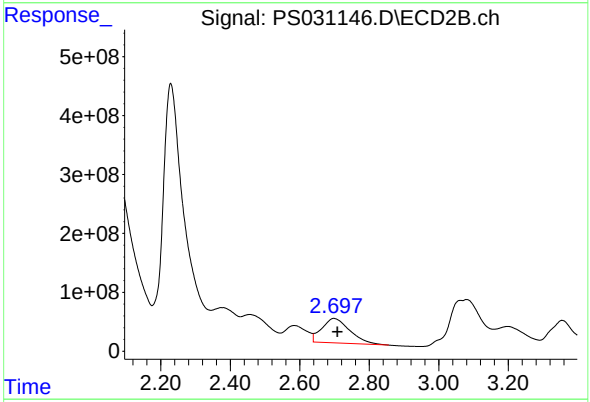
#1 Dalapon

R.T.: 2.680 min
Delta R.T.: -0.018 min
Response: 648702177
Conc: 106.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD

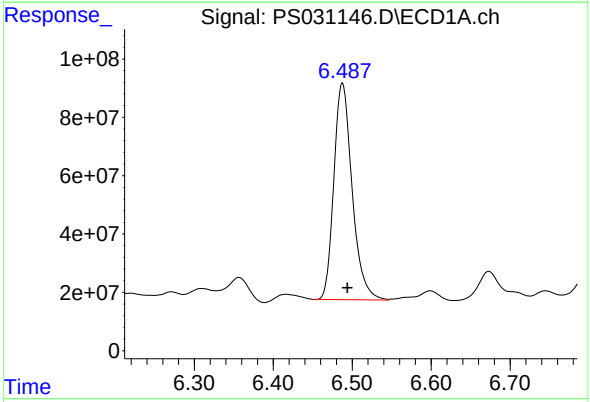
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



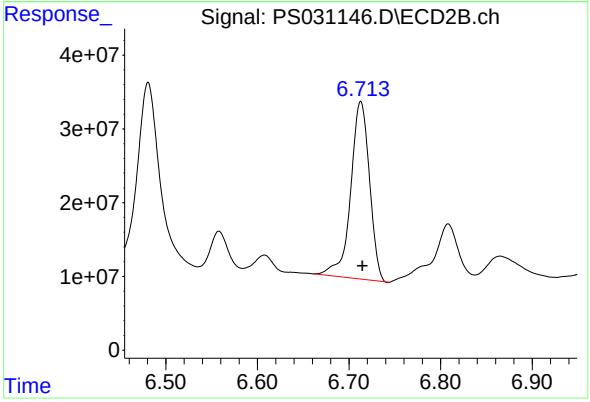
#1 Dalapon

R.T.: 2.697 min
Delta R.T.: -0.011 min
Response: 2317498977
Conc: 815.20 ng/ml m



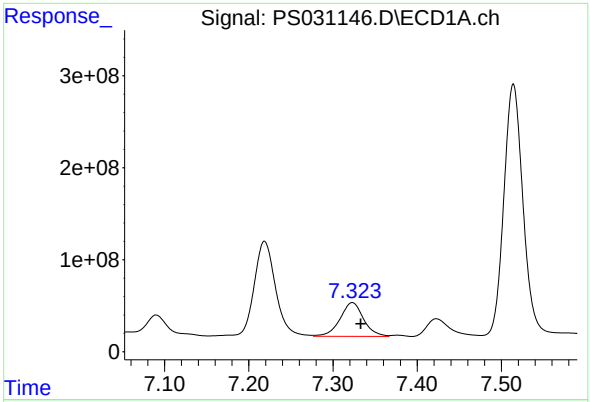
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.488 min
Delta R.T.: -0.006 min
Response: 1194409104
Conc: 228.00 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: -0.002 min
Response: 343592648
Conc: 221.62 ng/ml



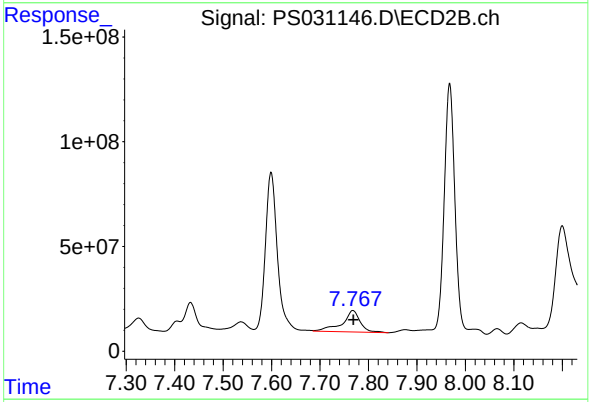
#4 2,4-DCAA

R.T.: 7.323 min
Delta R.T.: -0.010 min
Response: 713284502
Conc: 180.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD

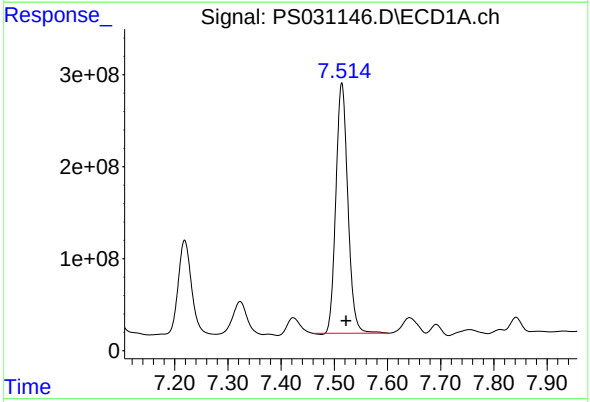
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



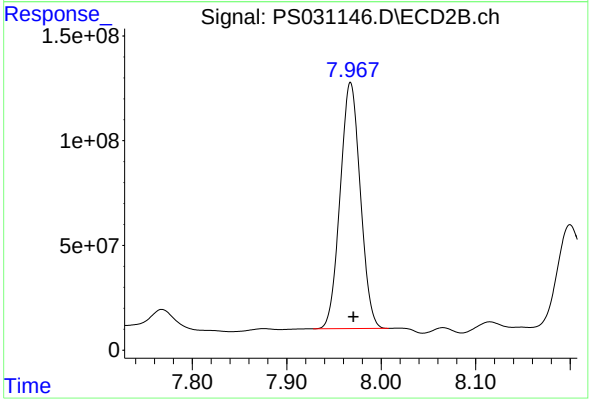
#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 266329432
Conc: 257.07 ng/ml



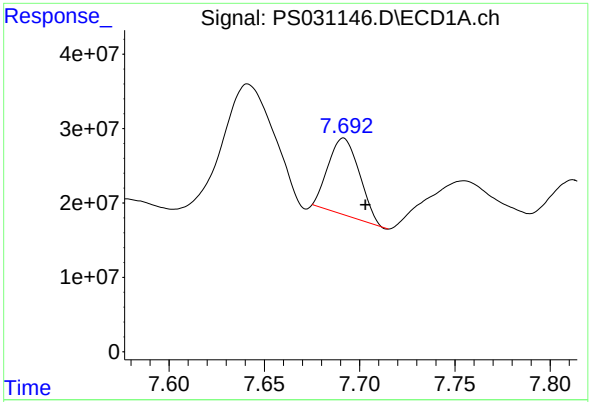
#5 DICAMBA

R.T.: 7.514 min
Delta R.T.: -0.008 min
Response: 4249805059
Conc: 270.84 ng/ml



#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: -0.003 min
Response: 1744253711
Conc: 269.32 ng/ml



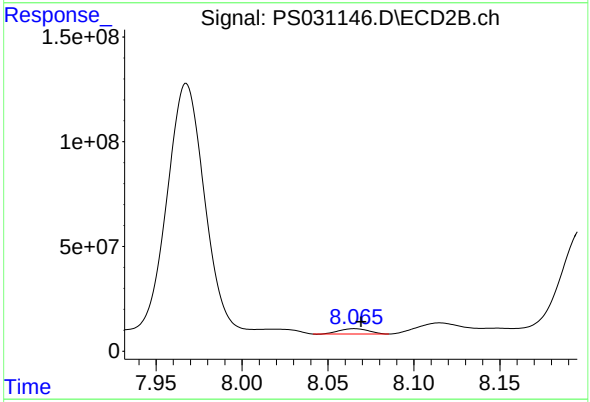
#6 MCPP

R.T.: 7.692 min
Delta R.T.: -0.011 min
Response: 117111776
Conc: 12.73 ug/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD

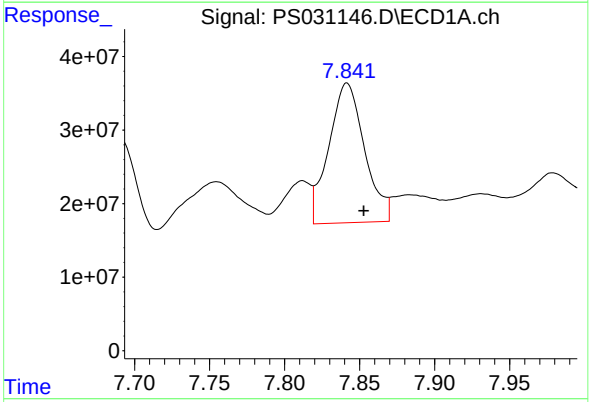
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



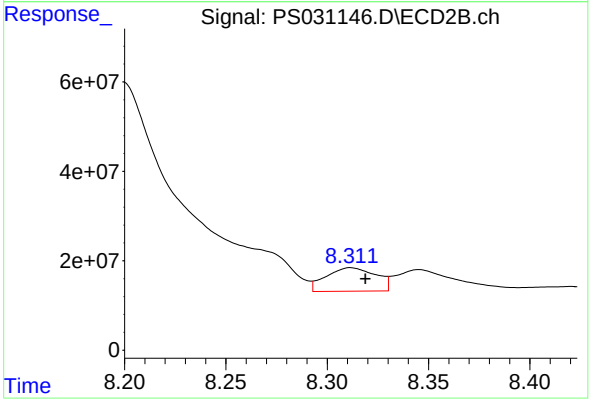
#6 MCPP

R.T.: 8.065 min
Delta R.T.: -0.004 min
Response: 29807620
Conc: 13.94 ug/ml



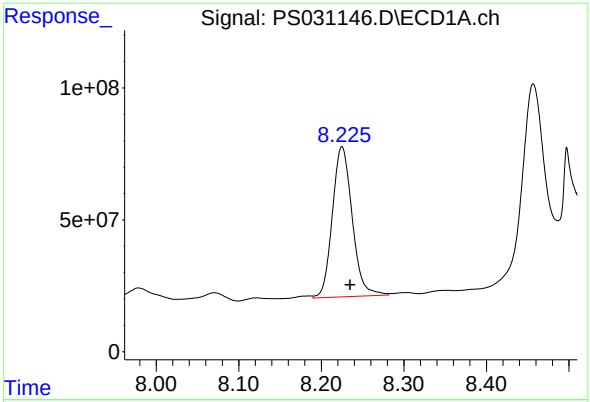
#7 MCPA

R.T.: 7.842 min
Delta R.T.: -0.011 min
Response: 315152487
Conc: 28.90 ug/ml



#7 MCPA

R.T.: 8.312 min
Delta R.T.: -0.007 min
Response: 89941204
Conc: 28.06 ug/ml



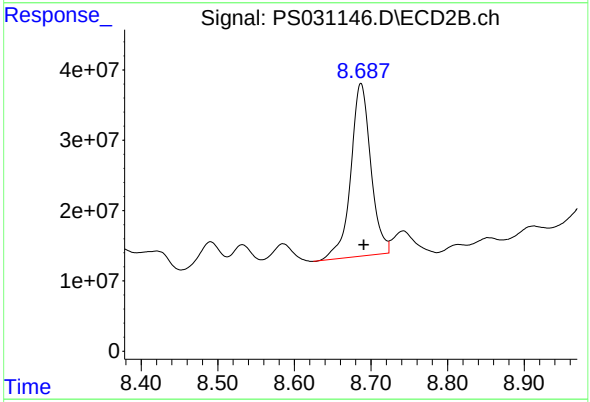
#8 DICHLORPROP

R.T.: 8.225 min
Delta R.T.: -0.010 min
Response: 950540368
Conc: 279.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD

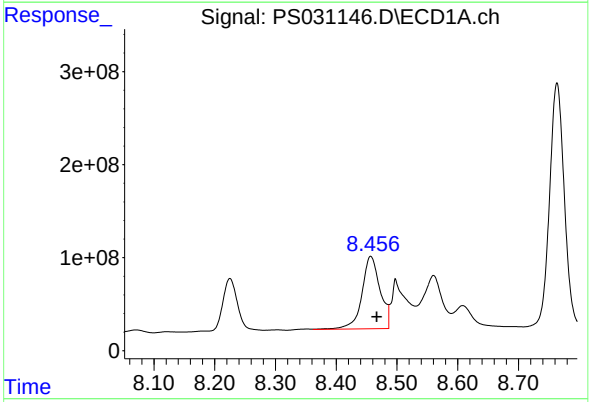
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



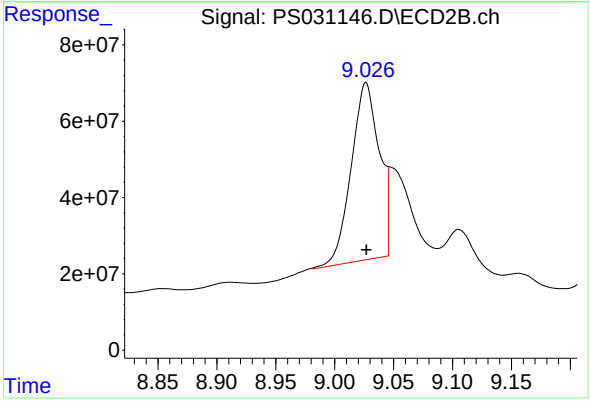
#8 DICHLORPROP

R.T.: 8.687 min
Delta R.T.: -0.004 min
Response: 447358014
Conc: 294.46 ng/ml



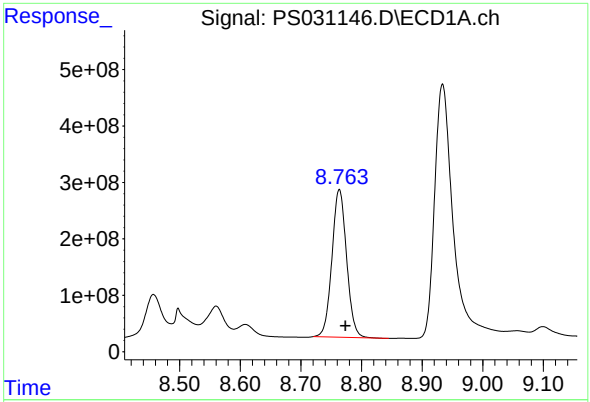
#9 2,4-D

R.T.: 8.457 min
Delta R.T.: -0.010 min
Response: 1622907149
Conc: 527.19 ng/ml



#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 767143030
Conc: 451.40 ng/ml m



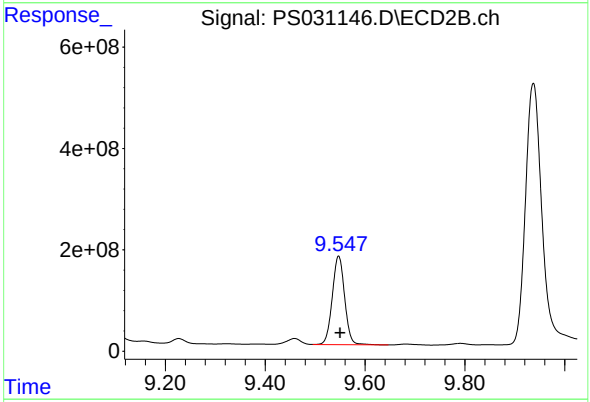
#10 Pentachlorophenol

R.T.: 8.763 min
Delta R.T.: -0.010 min
Response: 4389960813
Conc: 87.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD

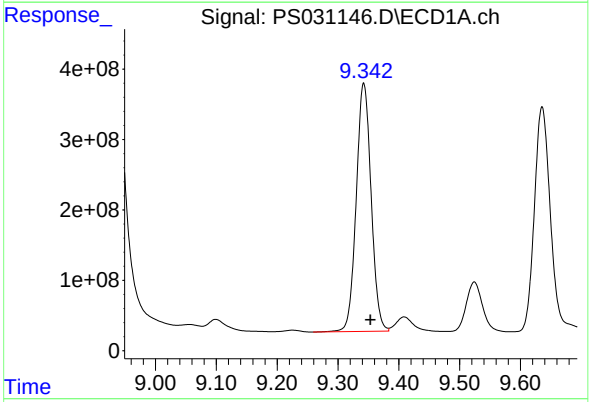
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



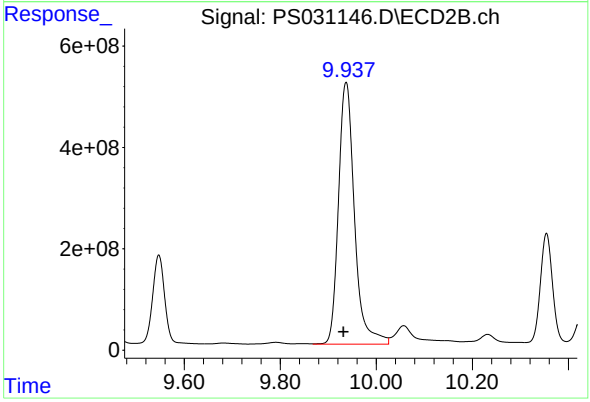
#10 Pentachlorophenol

R.T.: 9.547 min
Delta R.T.: -0.003 min
Response: 3004162615
Conc: 77.96 ng/ml



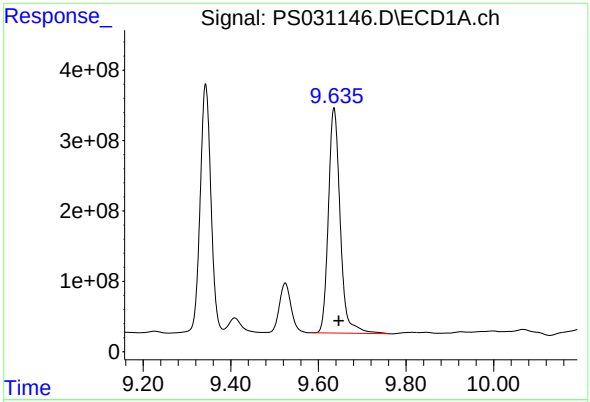
#11 2,4,5-TP (SILVEX)

R.T.: 9.342 min
Delta R.T.: -0.011 min
Response: 5993231782
Conc: 322.03 ng/ml



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

R.T.: 9.937 min
Delta R.T.: 0.005 min
Response: 11988580318
Conc: 816.90 ng/ml



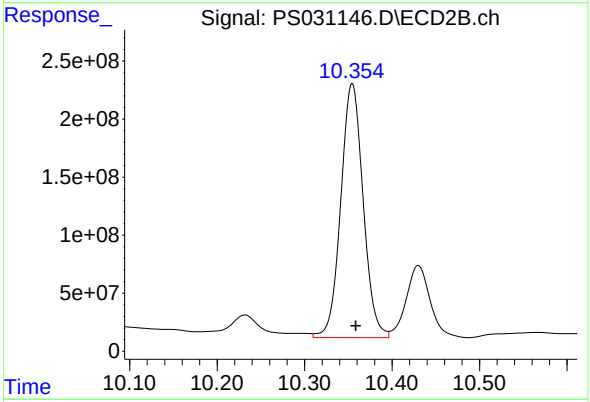
#12 2,4,5-T

R.T.: 9.636 min
Delta R.T.: -0.011 min
Response: 5988215157
Conc: 393.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD

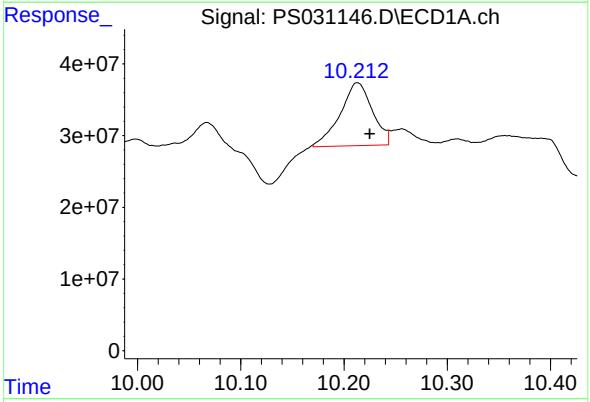
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



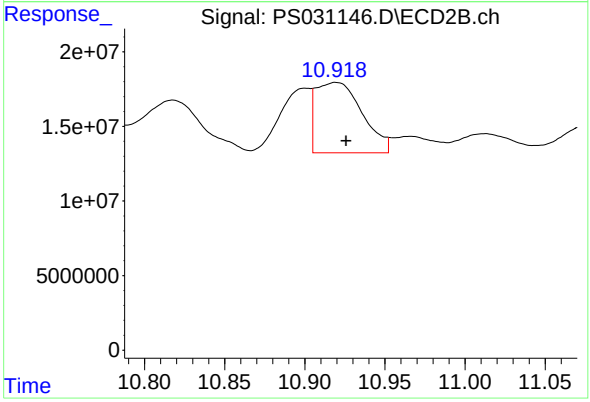
#12 2,4,5-T

R.T.: 10.354 min
Delta R.T.: -0.004 min
Response: 3889867754
Conc: 278.01 ng/ml



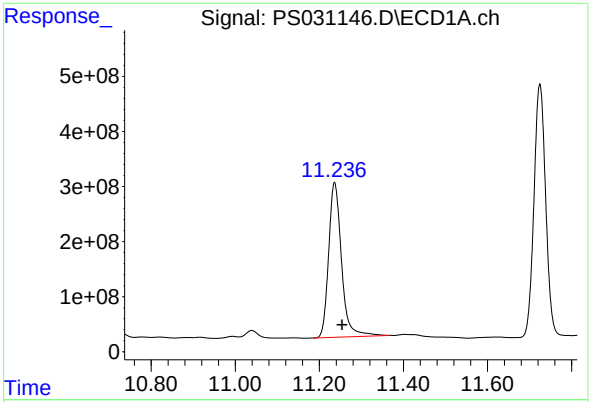
#13 2,4-DB

R.T.: 10.212 min
Delta R.T.: -0.013 min
Response: 190753736
Conc: 87.87 ng/ml m



#13 2,4-DB

R.T.: 10.918 min
Delta R.T.: -0.007 min
Response: 94162078
Conc: 79.58 ng/ml m



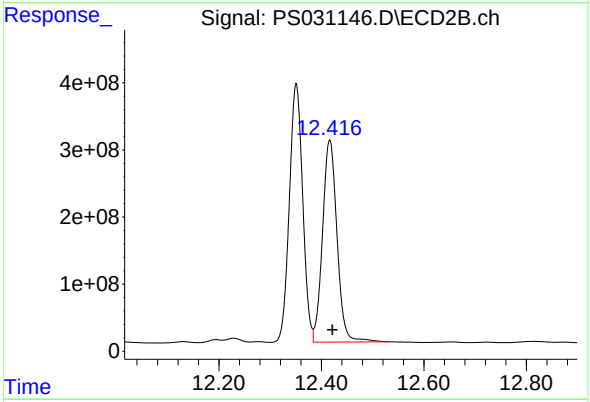
#15 Picloram

R.T.: 11.236 min
Delta R.T.: -0.018 min
Response: 5975899525
Conc: 410.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD

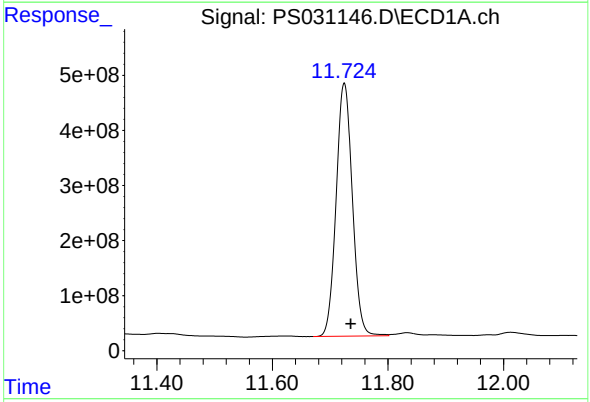
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



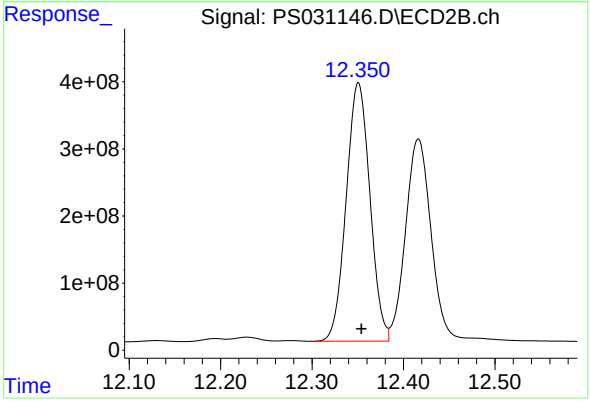
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.005 min
Response: 5900249612
Conc: 251.28 ng/ml



#16 DCPA

R.T.: 11.725 min
Delta R.T.: -0.011 min
Response: 8931118551
Conc: 373.11 ng/ml



#16 DCPA

R.T.: 12.351 min
Delta R.T.: -0.003 min
Response: 6957075742
Conc: 308.49 ng/ml

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Manual Integration Report

Sequence:	PS071125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS031006.D	2,4-DCAA	Abdul	7/14/2025 8:47:57 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
HSTDICC500	PS031007.D	2,4-DCAA	Abdul	7/14/2025 8:48:00 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
HSTDICC1500	PS031010.D	2,4-DCAA	Abdul	7/14/2025 8:48:03 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
HSTDICC1500	PS031010.D	DCPA #2	Abdul	7/14/2025 8:48:03 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
I.BLK	PS031012.D	2,4-DCAA	Abdul	7/14/2025 8:48:05 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps071425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031022.D	Picloram	Abdul	7/16/2025 9:16:38 AM	mohammad	7/17/2025 1:45:15	Peak Integrated by Software
HSTDCCC750	PS031028.D	Picloram	Abdul	7/16/2025 9:16:48 AM	mohammad	7/17/2025 1:45:15	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS071825	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031126.D	2,4,5-T	Abdul	7/21/2025 8:32:57 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031126.D	2,4-DB	Abdul	7/21/2025 8:32:57 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031126.D	2,4-DCAA	Abdul	7/21/2025 8:32:57 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031126.D	Pentachlorophenol	Abdul	7/21/2025 8:32:57 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031132.D	2,4,5-T	Abdul	7/21/2025 8:13:37 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031132.D	2,4-D	Abdul	7/21/2025 8:13:37 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031132.D	2,4-DB	Abdul	7/21/2025 8:13:37 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031132.D	MCPP #2	Abdul	7/21/2025 8:13:37 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031132.D	Pentachlorophenol	Abdul	7/21/2025 8:13:37 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031144.D	2,4,5-T	Abdul	7/21/2025 8:33:23 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031144.D	2,4-D	Abdul	7/21/2025 8:33:23 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031144.D	2,4-DB	Abdul	7/21/2025 8:33:23 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031144.D	DCPA #2	Abdul	7/21/2025 8:33:23 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS071825	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031144.D	DINOSEB	Abdul	7/21/2025 8:33:23 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031144.D	MCPP	Abdul	7/21/2025 8:33:23 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031144.D	Pentachlorophenol	Abdul	7/21/2025 8:33:23 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031144.D	Picloram	Abdul	7/21/2025 8:33:23 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MS	PS031145.D	2,4-D #2	Abdul	7/22/2025 1:52:15 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MS	PS031145.D	2,4-DB	Abdul	7/22/2025 1:52:15 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MS	PS031145.D	2,4-DB #2	Abdul	7/22/2025 1:52:15 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MS	PS031145.D	Dalapon	Abdul	7/22/2025 1:52:15 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MS	PS031145.D	Dalapon #2	Abdul	7/22/2025 1:52:15 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MS	PS031145.D	MCPA	Abdul	7/22/2025 1:52:15 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MS	PS031145.D	MCPP	Abdul	7/22/2025 1:52:15 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MS	PS031145.D	Picloram	Abdul	7/22/2025 1:52:15 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MSD	PS031146.D	2,4-D #2	Abdul	7/22/2025 1:52:09 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS071825	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2529-10MSD	PS031146.D	2,4-DB	Abdul	7/22/2025 1:52:09 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MSD	PS031146.D	2,4-DB #2	Abdul	7/22/2025 1:52:09 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MSD	PS031146.D	Dalapon	Abdul	7/22/2025 1:52:09 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MSD	PS031146.D	Dalapon #2	Abdul	7/22/2025 1:52:09 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
Q2529-10MSD	PS031146.D	Picloram	Abdul	7/22/2025 1:52:09 PM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031154.D	2,4,5-T	Abdul	7/21/2025 8:33:33 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031154.D	2,4-D	Abdul	7/21/2025 8:33:33 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031154.D	2,4-DB	Abdul	7/21/2025 8:33:33 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031154.D	4-Nitrophenol	Abdul	7/21/2025 8:33:33 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031154.D	DCPA	Abdul	7/21/2025 8:33:33 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031154.D	DCPA #2	Abdul	7/21/2025 8:33:33 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031154.D	DINOSEB	Abdul	7/21/2025 8:33:33 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software
HSTDCCC750	PS031154.D	Pentachlorophenol	Abdul	7/21/2025 8:33:33 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS071825	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031154.D	Picloram	Abdul	7/21/2025 8:33:33 AM	mohammad	7/23/2025 6:58:39	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps072125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC500	PS031158.D	2,4-DCAA	Abdul	7/22/2025 7:56:52 AM	mohammad	7/23/2025 1:33:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps072225	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2555-01	PS031175.D	2,4-DCAA #2	Abdul	7/23/2025 8:09:51 AM	mohammad	7/24/2025 1:26:23	Peak Integrated by Software
HSTDCCC750	PS031177.D	DCPA #2	Abdul	7/23/2025 8:09:53 AM	mohammad	7/24/2025 1:26:23	Peak Integrated by Software

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071125

Review By	Abdul	Review On	7/14/2025 8:48:45 AM		
Supervise By	mohammad	Supervise On	7/15/2025 1:41:05 AM		
SubDirectory	PS071125	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	PS031004.D	11 Jul 2025 15:11	AR\AJ	Ok
2	I.BLK	PS031005.D	11 Jul 2025 15:35	AR\AJ	Ok
3	HSTDICC200	PS031006.D	11 Jul 2025 16:00	AR\AJ	Ok,M
4	HSTDICC500	PS031007.D	11 Jul 2025 16:24	AR\AJ	Ok,M
5	HSTDICC750	PS031008.D	11 Jul 2025 16:48	AR\AJ	Ok
6	HSTDICC1000	PS031009.D	11 Jul 2025 17:12	AR\AJ	Ok
7	HSTDICC1500	PS031010.D	11 Jul 2025 17:36	AR\AJ	Ok,M
8	HSTDICV750	PS031011.D	11 Jul 2025 18:00	AR\AJ	Ok
9	I.BLK	PS031012.D	11 Jul 2025 18:25	AR\AJ	Ok,M
10	HSTDCCC750	PS031013.D	11 Jul 2025 18:49	AR\AJ	Ok
11	Q2517-01RE	PS031014.D	11 Jul 2025 20:01	AR\AJ	Confirms
12	Q2514-10RE	PS031015.D	11 Jul 2025 20:25	AR\AJ	Confirms
13	Q2493-01MS	PS031016.D	11 Jul 2025 20:49	AR\AJ	Not Ok
14	Q2493-01MSD	PS031017.D	11 Jul 2025 21:14	AR\AJ	Not Ok
15	I.BLK	PS031018.D	11 Jul 2025 21:38	AR\AJ	Ok
16	HSTDCCC750	PS031019.D	11 Jul 2025 22:02	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071425

Review By	yogesh	Review On	7/15/2025 3:24:14 PM		
Supervise By	mohammad	Supervise On	7/17/2025 1:45:15 AM		
SubDirectory	PS071425	HP Acquire Method		HP Processing Method	ps071125 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	PS031020.D	14 Jul 2025 11:08	AR\AJ	Ok
2	I.BLK	PS031021.D	14 Jul 2025 12:17	AR\AJ	Ok
3	HSTDCCC750	PS031022.D	14 Jul 2025 16:34	AR\AJ	Ok,M
4	PB168811BL	PS031023.D	14 Jul 2025 17:10	AR\AJ	Ok
5	PB168811BS	PS031024.D	14 Jul 2025 17:38	AR\AJ	Ok
6	Q2519-01	PS031025.D	14 Jul 2025 18:03	AR\AJ	ReRun
7	Q2519-01RE	PS031026.D	14 Jul 2025 19:08	AR\AJ	Confirms
8	I.BLK	PS031027.D	14 Jul 2025 19:32	AR\AJ	Ok
9	HSTDCCC750	PS031028.D	14 Jul 2025 21:09	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071825

Review By	Abdul	Review On	7/21/2025 8:34:08 AM		
Supervise By	mohammad	Supervise On	7/23/2025 6:58:39 AM		
SubDirectory	PS071825	HP Acquire Method		HP Processing Method	ps071125 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	PS031124.D	18 Jul 2025 09:55	AR\AJ	Ok
2	I.BLK	PS031125.D	18 Jul 2025 10:19	AR\AJ	Ok
3	HSTDCCC750	PS031126.D	18 Jul 2025 11:55	AR\AJ	Ok,M
4	Q2586-01	PS031127.D	18 Jul 2025 12:41	AR\AJ	Ok,M
5	Q2589-01RE	PS031128.D	18 Jul 2025 13:05	AR\AJ	Confirms
6	Q2600-06RE	PS031129.D	18 Jul 2025 13:29	AR\AJ	Confirms
7	PB168847TB	PS031130.D	18 Jul 2025 13:53	AR\AJ	Ok
8	I.BLK	PS031131.D	18 Jul 2025 14:17	AR\AJ	Ok
9	HSTDCCC750	PS031132.D	18 Jul 2025 15:39	AR\AJ	Ok,M
10	Q2529-01	PS031133.D	18 Jul 2025 16:33	AR\AJ	Ok,M
11	Q2529-02	PS031134.D	18 Jul 2025 16:57	AR\AJ	Ok
12	Q2529-03	PS031135.D	18 Jul 2025 17:21	AR\AJ	Ok
13	Q2529-04	PS031136.D	18 Jul 2025 17:45	AR\AJ	Ok,M
14	Q2529-05	PS031137.D	18 Jul 2025 18:09	AR\AJ	Ok,M
15	Q2529-06	PS031138.D	18 Jul 2025 18:33	AR\AJ	Ok
16	Q2529-07	PS031139.D	18 Jul 2025 18:57	AR\AJ	Ok
17	Q2529-08	PS031140.D	18 Jul 2025 19:21	AR\AJ	Ok,M
18	Q2529-09	PS031141.D	18 Jul 2025 19:46	AR\AJ	Ok
19	Q2529-10	PS031142.D	18 Jul 2025 20:10	AR\AJ	Ok
20	I.BLK	PS031143.D	18 Jul 2025 20:34	AR\AJ	Ok
21	HSTDCCC750	PS031144.D	18 Jul 2025 21:22	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071825

Review By	Abdul	Review On	7/21/2025 8:34:08 AM		
Supervise By	mohammad	Supervise On	7/23/2025 6:58:39 AM		
SubDirectory	PS071825	HP Acquire Method		HP Processing Method	ps071125 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	Q2529-10MS	PS031145.D	18 Jul 2025 21:46	AR\AJ	Ok,M
23	Q2529-10MSD	PS031146.D	18 Jul 2025 22:10	AR\AJ	Ok,M
24	Q2543-01	PS031147.D	18 Jul 2025 22:34	AR\AJ	Ok
25	Q2543-02	PS031148.D	18 Jul 2025 22:59	AR\AJ	Ok
26	Q2543-03	PS031149.D	18 Jul 2025 23:23	AR\AJ	Ok
27	Q2543-04	PS031150.D	18 Jul 2025 23:47	AR\AJ	Ok
28	Q2555-01	PS031151.D	19 Jul 2025 00:11	AR\AJ	Not Ok
29	Q2555-03	PS031152.D	19 Jul 2025 00:35	AR\AJ	ReRun
30	I.BLK	PS031153.D	19 Jul 2025 00:59	AR\AJ	Ok
31	HSTDCCC750	PS031154.D	19 Jul 2025 01:23	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072125

Review By	Abdul	Review On	7/22/2025 7:57:36 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:13 AM		
SubDirectory	PS072125	HP Acquire Method		HP Processing Method	ps072125 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	PS031155.D	21 Jul 2025 14:14	AR\AJ	Ok
2	I.BLK	PS031156.D	21 Jul 2025 14:38	AR\AJ	Ok
3	HSTDICC200	PS031157.D	21 Jul 2025 15:02	AR\AJ	Ok
4	HSTDICC500	PS031158.D	21 Jul 2025 15:26	AR\AJ	Ok,M
5	HSTDICC750	PS031159.D	21 Jul 2025 15:51	AR\AJ	Ok
6	HSTDICC1000	PS031160.D	21 Jul 2025 16:15	AR\AJ	Ok
7	HSTDICC1500	PS031161.D	21 Jul 2025 16:39	AR\AJ	Ok
8	HSTDICV750	PS031162.D	21 Jul 2025 17:03	AR\AJ	Ok
9	I.BLK	PS031163.D	21 Jul 2025 17:27	AR\AJ	Ok
10	HSTDCCC750	PS031164.D	21 Jul 2025 17:51	AR\AJ	Ok
11	Q2529-10	PS031165.D	21 Jul 2025 18:15	AR\AJ	Not Ok
12	Q2529-10MS	PS031166.D	21 Jul 2025 18:40	AR\AJ	Not Ok
13	Q2529-10MSD	PS031167.D	21 Jul 2025 19:04	AR\AJ	Not Ok
14	PB168886BS	PS031168.D	21 Jul 2025 19:28	AR\AJ	Ok
15	I.BLK	PS031169.D	21 Jul 2025 19:52	AR\AJ	Ok
16	HSTDCCC750	PS031170.D	21 Jul 2025 20:16	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072225

Review By	Abdul	Review On	7/23/2025 8:10:05 AM		
Supervise By	mohammad	Supervise On	7/24/2025 1:26:23 AM		
SubDirectory	PS072225	HP Acquire Method		HP Processing Method	ps072125 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	PS031171.D	22 Jul 2025 09:23	AR\AJ	Ok
2	I.BLK	PS031172.D	22 Jul 2025 09:47	AR\AJ	Ok
3	HSTDCCC750	PS031173.D	22 Jul 2025 10:11	AR\AJ	Ok
4	Q2555-03RE	PS031174.D	22 Jul 2025 13:48	AR\AJ	Confirms
5	Q2555-01	PS031175.D	22 Jul 2025 14:12	AR\AJ	Ok,M
6	I.BLK	PS031176.D	22 Jul 2025 14:52	AR\AJ	Ok
7	HSTDCCC750	PS031177.D	22 Jul 2025 15:16	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071125

Review By	Abdul	Review On	7/14/2025 8:48:45 AM		
Supervise By	mohammad	Supervise On	7/15/2025 1:41:05 AM		
SubDirectory	PS071125	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	PS031004.D	11 Jul 2025 15:11		AR\AJ	Ok
2	I.BLK	I.BLK	PS031005.D	11 Jul 2025 15:35		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031006.D	11 Jul 2025 16:00		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS031007.D	11 Jul 2025 16:24		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS031008.D	11 Jul 2025 16:48		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031009.D	11 Jul 2025 17:12		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS031010.D	11 Jul 2025 17:36		AR\AJ	Ok,M
8	HSTDICV750	ICVPS071125	PS031011.D	11 Jul 2025 18:00		AR\AJ	Ok
9	I.BLK	I.BLK	PS031012.D	11 Jul 2025 18:25		AR\AJ	Ok,M
10	HSTDCCC750	HSTDCCC750	PS031013.D	11 Jul 2025 18:49		AR\AJ	Ok
11	Q2517-01RE	TP-14RE	PS031014.D	11 Jul 2025 20:01	Surrogate low in 2nd column	AR\AJ	Confirms
12	Q2514-10RE	TP-90RE	PS031015.D	11 Jul 2025 20:25	Surrogate low in 1st column	AR\AJ	Confirms
13	Q2493-01MS	WC-11MS	PS031016.D	11 Jul 2025 20:49	F Flag in comp#1 , Comp#14 not detected,Comp#9,10 recovery fail	AR\AJ	Not Ok
14	Q2493-01MSD	WC-11MSD	PS031017.D	11 Jul 2025 21:14	F Flag in comp#1 , Comp#14 not detected,Comp#9,10 recovery fail	AR\AJ	Not Ok
15	I.BLK	I.BLK	PS031018.D	11 Jul 2025 21:38		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS031019.D	11 Jul 2025 22:02		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071425

Review By	yogesh	Review On	7/15/2025 3:24:14 PM		
Supervise By	mohammad	Supervise On	7/17/2025 1:45:15 AM		
SubDirectory	PS071425	HP Acquire Method		HP Processing Method	ps071125 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	PS031020.D	14 Jul 2025 11:08		AR\AJ	Ok
2	I.BLK	I.BLK	PS031021.D	14 Jul 2025 12:17		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031022.D	14 Jul 2025 16:34		AR\AJ	Ok,M
4	PB168811BL	PB168811BL	PS031023.D	14 Jul 2025 17:10		AR\AJ	Ok
5	PB168811BS	PB168811BS	PS031024.D	14 Jul 2025 17:38		AR\AJ	Ok
6	Q2519-01	TP-15	PS031025.D	14 Jul 2025 18:03	F Flag in surrogate in 2nd column , Surrogate low in 1st column	AR\AJ	ReRun
7	Q2519-01RE	TP-15RE	PS031026.D	14 Jul 2025 19:08	F Flag in surrogate in 2nd column , Surrogate low in 1st column	AR\AJ	Confirms
8	I.BLK	I.BLK	PS031027.D	14 Jul 2025 19:32		AR\AJ	Ok
9	HSTDCCC750	HSTDCCC750	PS031028.D	14 Jul 2025 21:09		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071825

Review By	Abdul	Review On	7/21/2025 8:34:08 AM		
Supervise By	mohammad	Supervise On	7/23/2025 6:58:39 AM		
SubDirectory	PS071825	HP Acquire Method		HP Processing Method	ps071125 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	PS031124.D	18 Jul 2025 09:55		AR\AJ	Ok
2	I.BLK	I.BLK	PS031125.D	18 Jul 2025 10:19		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031126.D	18 Jul 2025 11:55		AR\AJ	Ok,M
4	Q2586-01	TP-16	PS031127.D	18 Jul 2025 12:41	F Flag in surrogate in 2nd column	AR\AJ	Ok,M
5	Q2589-01RE	AU-06-071125RE	PS031128.D	18 Jul 2025 13:05	Surrogate low in 1st column	AR\AJ	Confirms
6	Q2600-06RE	STOCK-PILERE	PS031129.D	18 Jul 2025 13:29	Surrogate high in 1st column	AR\AJ	Confirms
7	PB168847TB	PB168847TB	PS031130.D	18 Jul 2025 13:53		AR\AJ	Ok
8	I.BLK	I.BLK	PS031131.D	18 Jul 2025 14:17		AR\AJ	Ok
9	HSTDCCC750	HSTDCCC750	PS031132.D	18 Jul 2025 15:39	Comp#15 high in 1st column	AR\AJ	Ok,M
10	Q2529-01	TP-91	PS031133.D	18 Jul 2025 16:33		AR\AJ	Ok,M
11	Q2529-02	TP-80	PS031134.D	18 Jul 2025 16:57		AR\AJ	Ok
12	Q2529-03	TP-79	PS031135.D	18 Jul 2025 17:21		AR\AJ	Ok
13	Q2529-04	TP-95	PS031136.D	18 Jul 2025 17:45		AR\AJ	Ok,M
14	Q2529-05	TP-98	PS031137.D	18 Jul 2025 18:09		AR\AJ	Ok,M
15	Q2529-06	TP-102	PS031138.D	18 Jul 2025 18:33		AR\AJ	Ok
16	Q2529-07	TP-101	PS031139.D	18 Jul 2025 18:57		AR\AJ	Ok
17	Q2529-08	TP-89	PS031140.D	18 Jul 2025 19:21		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071825

Review By	Abdul	Review On	7/21/2025 8:34:08 AM		
Supervise By	mohammad	Supervise On	7/23/2025 6:58:39 AM		
SubDirectory	PS071825	HP Acquire Method		HP Processing Method	ps071125 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	Q2529-09	TP-33	PS031141.D	18 Jul 2025 19:46		AR\AJ	Ok
19	Q2529-10	TP-30	PS031142.D	18 Jul 2025 20:10		AR\AJ	Ok
20	I.BLK	I.BLK	PS031143.D	18 Jul 2025 20:34		AR\AJ	Ok
21	HSTDCCC750	HSTDCCC750	PS031144.D	18 Jul 2025 21:22	Comp#3,15 high in 1st column	AR\AJ	Ok,M
22	Q2529-10MS	TP-30MS	PS031145.D	18 Jul 2025 21:46	some compounds fail for recovery	AR\AJ	Ok,M
23	Q2529-10MSD	TP-30MSD	PS031146.D	18 Jul 2025 22:10	some compound recovery fail ,	AR\AJ	Ok,M
24	Q2543-01	TP-41	PS031147.D	18 Jul 2025 22:34		AR\AJ	Ok
25	Q2543-02	TP-49	PS031148.D	18 Jul 2025 22:59		AR\AJ	Ok
26	Q2543-03	TP-23	PS031149.D	18 Jul 2025 23:23		AR\AJ	Ok
27	Q2543-04	TP-23-99	PS031150.D	18 Jul 2025 23:47		AR\AJ	Ok
28	Q2555-01	OU4-TS-29-070925	PS031151.D	19 Jul 2025 00:11	Surrogate low in both column	AR\AJ	Not Ok
29	Q2555-03	OU4-TS-30-070925	PS031152.D	19 Jul 2025 00:35	Surrogate low in 1st column	AR\AJ	ReRun
30	I.BLK	I.BLK	PS031153.D	19 Jul 2025 00:59		AR\AJ	Ok
31	HSTDCCC750	HSTDCCC750	PS031154.D	19 Jul 2025 01:23	Comp#3,15 high in 1st column	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 # PS072125

Review By	Abdul	Review On	7/22/2025 7:57:36 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:13 AM		
SubDirectory	PS072125	HP Acquire Method		HP Processing Method	ps072125 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	PS031155.D	21 Jul 2025 14:14		AR\AJ	Ok
2	I.BLK	I.BLK	PS031156.D	21 Jul 2025 14:38		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031157.D	21 Jul 2025 15:02		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS031158.D	21 Jul 2025 15:26		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS031159.D	21 Jul 2025 15:51		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031160.D	21 Jul 2025 16:15		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS031161.D	21 Jul 2025 16:39		AR\AJ	Ok
8	HSTDICV750	ICVPS072125	PS031162.D	21 Jul 2025 17:03		AR\AJ	Ok
9	I.BLK	I.BLK	PS031163.D	21 Jul 2025 17:27		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS031164.D	21 Jul 2025 17:51		AR\AJ	Ok
11	Q2529-10	TP-30	PS031165.D	21 Jul 2025 18:15	already analyzed	AR\AJ	Not Ok
12	Q2529-10MS	TP-30MS	PS031166.D	21 Jul 2025 18:40	some compound recovery fail ,already analyzed	AR\AJ	Not Ok
13	Q2529-10MSD	TP-30MSD	PS031167.D	21 Jul 2025 19:04	some compound recovery fail , RPD fail,already analyzed	AR\AJ	Not Ok
14	PB168886BS	PB168886BS	PS031168.D	21 Jul 2025 19:28		AR\AJ	Ok
15	I.BLK	I.BLK	PS031169.D	21 Jul 2025 19:52		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS031170.D	21 Jul 2025 20:16		AR\AJ	Ok

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 # PS072225

Review By	Abdul	Review On	7/23/2025 8:10:05 AM		
Supervise By	mohammad	Supervise On	7/24/2025 1:26:23 AM		
SubDirectory	PS072225	HP Acquire Method		HP Processing Method	ps072125 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	PS031171.D	22 Jul 2025 09:23		AR\AJ	Ok
2	I.BLK	I.BLK	PS031172.D	22 Jul 2025 09:47		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031173.D	22 Jul 2025 10:11		AR\AJ	Ok
4	Q2555-03RE	OU4-TS-30-070925RE	PS031174.D	22 Jul 2025 13:48	Surrogate low in 1st column	AR\AJ	Confirms
5	Q2555-01	OU4-TS-29-070925	PS031175.D	22 Jul 2025 14:12		AR\AJ	Ok,M
6	I.BLK	I.BLK	PS031176.D	22 Jul 2025 14:52		AR\AJ	Ok
7	HSTDCCC750	HSTDCCC750	PS031177.D	22 Jul 2025 15:16		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2550-02	VNJ-203	1	1.13	10.33	11.46	10.67	92.4	
Q2550-03	VNJ-203-E2	2	1.16	10.18	11.34	10.36	90.4	
Q2555-01	OU4-TS-29-070925	3	1.18	10.34	11.52	8.84	74.1	
Q2555-03	OU4-TS-30-070925	4	1.14	10.85	11.99	9.45	76.6	
Q2556-01	RT3997	5	1.16	10.62	11.78	10.4	87.0	
Q2557-01	OILY SPILL DEBRIS	6	1.00	1.00	2.00	2.00	100.0	debris
Q2558-01	OU4-TS-Denali-070925	7	1.15	10.60	11.75	9.59	79.6	
Q2558-03	OU4-TS-Grillo-OG-070925	8	1.19	10.63	11.82	9.56	78.7	
Q2559-01	500-3B CONCRETE CHIP	9	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2559-02	500-3B CONCRETE CHIP-EPH	10	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2560-01	LP-7102025	11	1.14	9.97	11.11	9.53	84.2	
Q2560-02	LP-7102025-EPH-2	12	1.19	10.36	11.55	10.07	85.7	
Q2560-03	LP-7102025-VOC	13	1.13	10.68	11.81	10.11	84.1	
Q2561-03	AUD-25-0115-0116	14	1.14	10.21	11.35	11.07	97.3	
Q2561-04	AUD-25-0067	15	1.17	10.34	11.51	10.88	93.9	
Q2561-05	AUD-25-0117	16	1.15	10.84	11.99	11.85	98.7	
Q2564-01	ARS20-0030	17	1.18	10.66	11.84	11.32	95.1	
Q2564-02	ARS20-0030-E2	18	1.19	10.47	11.66	11.00	93.7	
Q2564-03	ARS20-0013	19	1.13	10.70	11.83	10.87	91.0	
Q2564-04	ARS20-0013-E2	20	1.15	10.81	11.96	10.82	89.5	
Q2564-05	ARS20-0039	21	1.14	10.39	11.53	10.2	87.2	
Q2564-06	ARS20-0039-E2	22	1.13	10.64	11.77	11.09	93.6	
Q2565-02	MOO-25-0194-0195	23	1.14	10.11	11.25	9.82	85.9	
Q2565-03	MOO-25-0191	24	1.00	1.00	2.00	2.00	100.0	debris
Q2565-04	MOO-25-0196	25	1.19	10.56	11.75	9.2	75.9	
Q2565-05	MOO-25-0180	26	1.13	10.69	11.82	11.4	96.1	
Q2571-01	TP-18	27	1.15	10.82	11.97	11.71	97.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2571-02	TP-18 EPH	28	1.14	10.85	11.99	11.44	94.9	
Q2571-03	TP-18 VOC	29	1.18	10.59	11.77	10.45	87.5	
Q2571-05	TP-17	30	1.15	10.88	12.03	10.72	88.0	
Q2571-06	TP-17-EPH	31	1.15	11.16	12.31	11.1	89.2	
Q2571-07	TP-17-VOC	32	1.14	10.85	11.99	10.9	90.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WB6427

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2550-02	VNJ-203	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2550-03	VNJ-203-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2555-01	OU4-TS-29-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2555-03	OU4-TS-30-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2556-01	RT3997	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/10/2025	Chemtech -SO
Q2557-01	OILY SPILL DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2558-01	OU4-TS-Denali-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2559-01	500-3B CONCRETE CHIP	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2559-02	500-3B CONCRETE CHIP-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2560-01	LP-7102025	Solid	Percent Solids	Cool 4 deg C	PSEG03		07/10/2025	Chemtech -SO
Q2560-02	LP-7102025-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2560-03	LP-7102025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2561-03	AUD-25-0115-0116	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-04	AUD-25-0067	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-05	AUD-25-0117	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2564-01	ARS20-0030	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-02	ARS20-0030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-03	ARS20-0013	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-04	ARS20-0013-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-05	ARS20-0039	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 : 1510

Raw Sample Received by: R (WC)

Raw Sample Relinquished by: [signature]

Date/Time 07/10/25 1720

Raw Sample Received by: [signature]

Raw Sample Relinquished by: R (WC)

VB 136427

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2564-06	ARS20-0039-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2565-02	MOO-25-0194-0195	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-03	MOO-25-0191	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-04	MOO-25-0196	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-05	MOO-25-0180	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2571-01	TP-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-02	TP-18 EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-03	TP-18 VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-05	TP-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-06	TP-17-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-07	TP-17-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 15:10

Raw Sample Received by: WC

Raw Sample Relinquished by:

Date/Time 07/10/25 17:20

Raw Sample Received by:

Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168811

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,4,5,7

Extraction Start Date : 07/11/2025

Extraction Start Time : 08:50

Extraction End Date : 07/11/2025

Extraction End Time : 16:10

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	PP24654
Surrogate	1.0ML	5000 PPB	PP24653
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	E3951
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2616
Methylene Chloride	N/A	E3943
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3952
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2618
Hexane	N/A	E3950
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
7/11/25	RS (Ext Lab)	Y-P-PESHPB
16:15	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168811

Analytical Method: M8151A-Herbicide-23 **Concentration Date:** 07/11/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168811BL	HBLK811	Herbicide	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168811BS	HLCS811	Herbicide	30.02	N/A	ritesh	Evelyn	10			2
Q2519-01	TP-15	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		3
Q2529-01	TP-91	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		4
Q2529-02	TP-80	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		5
Q2529-03	TP-79	Herbicide	30.10	N/A	ritesh	Evelyn	10	E		6
Q2529-04	TP-95	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		U3-1
Q2529-05	TP-98	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		2
Q2529-06	TP-102	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		3
Q2529-07	TP-101	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		4
Q2529-08	TP-89	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		5
Q2529-09	TP-33	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		6
Q2529-10	TP-30	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		U6-1
Q2529-10MS	TP-30MS	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		2
Q2529-10MSD	TP-30MSD	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		3
Q2543-01	TP-41	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q2543-02	TP-49	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		5
Q2543-03	TP-23	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		6
Q2543-04	TP-23-99	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		U1-1
Q2555-01	OU4-TS-29-070925	Herbicide Group1	30.06	N/A	ritesh	Evelyn	10	E		2
Q2555-03	OU4-TS-30-070925	Herbicide Group1	30.08	N/A	ritesh	Evelyn	10	E		3
Q2571-01	TP-18	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		4
Q2571-05	TP-17	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		5

RS 7/11

* **Extracts relinquished on the same date as received.**

7/11 8:50

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2529 **WorkList ID :** 190659 **Department :** Extraction **Date :** 07-11-2025 08:30:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2519-01	TP-15	Solid	Herbicide	Cool 4 deg C	PSEG03	O11	07/08/2025	8151A
Q2529-01	TP-91	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/03/2025	8151A
Q2529-02	TP-80	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-03	TP-79	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-04	TP-95	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-05	TP-98	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-06	TP-102	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-07	TP-101	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-08	TP-89	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/08/2025	8151A
Q2529-09	TP-33	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/08/2025	8151A
Q2529-10	TP-30	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/08/2025	8151A
Q2543-01	TP-41	Solid	Herbicide	Cool 4 deg C	CAMP02	O42	07/08/2025	8151A
Q2543-02	TP-49	Solid	Herbicide	Cool 4 deg C	CAMP02	O42	07/09/2025	8151A
Q2543-03	TP-23	Solid	Herbicide	Cool 4 deg C	CAMP02	O42	07/09/2025	8151A
Q2543-04	TP-23-99	Solid	Herbicide	Cool 4 deg C	CAMP02	O42	07/09/2025	8151A
Q2555-01	OU4-TS-29-070925	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/09/2025	8151A
Q2555-03	OU4-TS-30-070925	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/09/2025	8151A
Q2571-01	TP-18	Solid	Herbicide	Cool 4 deg C	PSEG03	O22	07/10/2025	8151A
Q2571-05	TP-17	Solid	Herbicide	Cool 4 deg C	PSEG03		07/10/2025	8151A

Date/Time 07/11/25 8:45
Raw Sample Received by: RJ (EFT-Celb)
Raw Sample Relinquished by:

Date/Time 07/11/25 9:15
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EFT-Celb)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2555

Test : Herbicide Group1

Prepbatch ID : PB168811,

Sequence ID/Qc Batch ID: ps071425,ps071825,ps072225,

Standard ID :
EP2612,EP2621,PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560,PP24561,PP24562,PP24653,PP24654,

Chemical ID :
E3551,E3881,E3930,E3932,E3933,E3940,E3941,E3951,M6151,M6157,P11183,P11184,P11185,P11186,P12620,P12630,P12689,P12710,P13543,P13544,P13545,P13546,P13971,P13976,P8829,

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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

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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

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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

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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

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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

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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
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP24653	06/18/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/23/2025

FROM 1.25000ml of P11184 + 1.25000ml of P11185 + 1.25000ml of P11186 + 1.25000ml of P13976 + 195.00000ml of E3941 = Final Quantity: 200.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24654	06/18/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/23/2025

FROM 1.25000ml of P13543 + 1.25000ml of P13544 + 1.25000ml of P13545 + 1.25000ml of P13546 + 95.00000ml of E3940 = Final Quantity: 100.000 ml

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CHEMICAL RECEIPT LOG BOOK

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	06/30/2025	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

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	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3940

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CHEMICAL RECEIPT LOG BOOK

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)	243570	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3941

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)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

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	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	12/18/2025	06/18/2025 / Abdul	11/01/2021 / Abdul	P11184

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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	A0172864	12/18/2025	06/18/2025 / Abdul	11/01/2021 / Abdul	P11185

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	12/18/2025	06/18/2025 / Abdul	11/01/2021 / Abdul	P11186

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

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

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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-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13543

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	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13543

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	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13544

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	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13544

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	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13545

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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	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13545

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	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13546

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	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13546

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	12/18/2025	06/18/2025 / Abdul	04/02/2025 / Abdul	P13976

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

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

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

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 6/11/25

E3940

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

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	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian - Quality Control Manager - Fair Lawn

Recd. by RI on 6/11/25

E3941

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.

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

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)

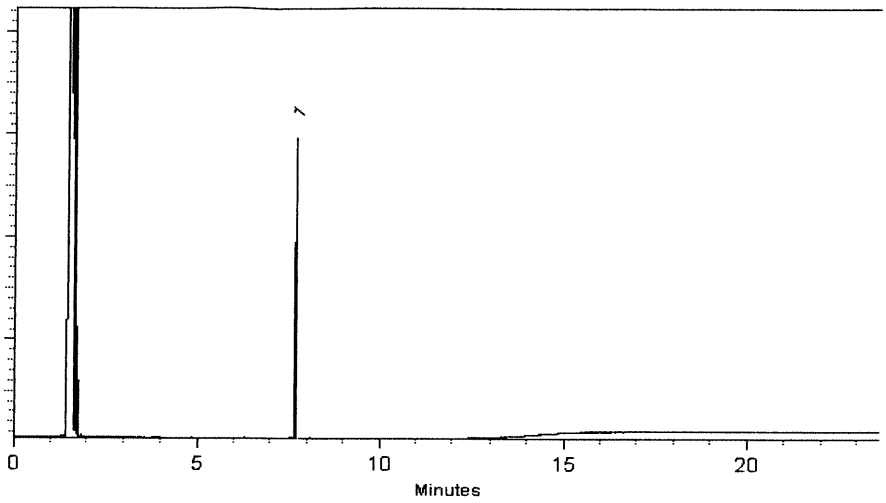
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

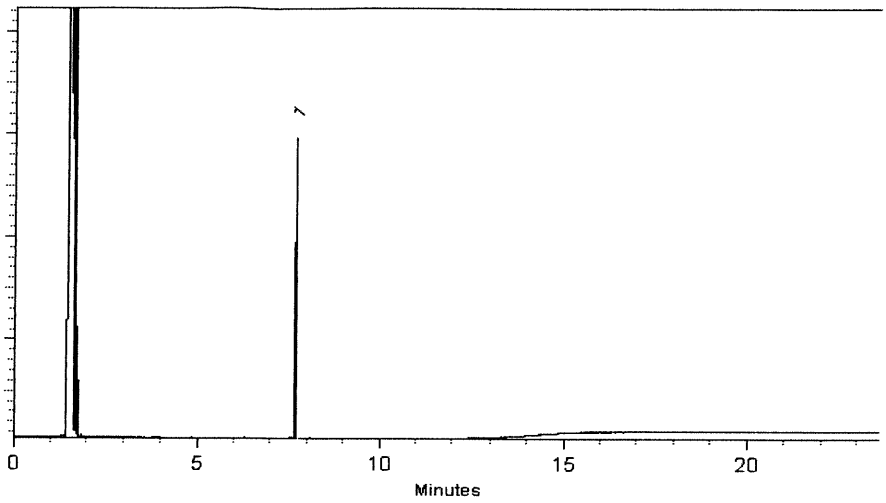
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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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

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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

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

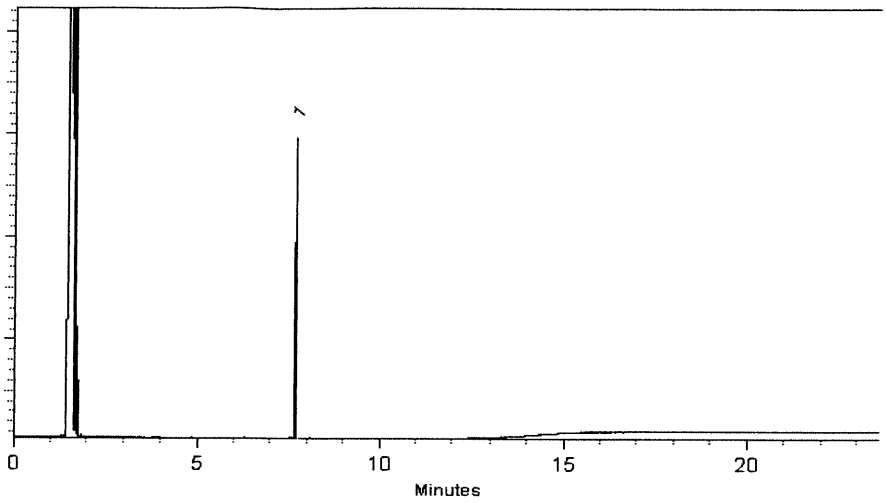
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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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

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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

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

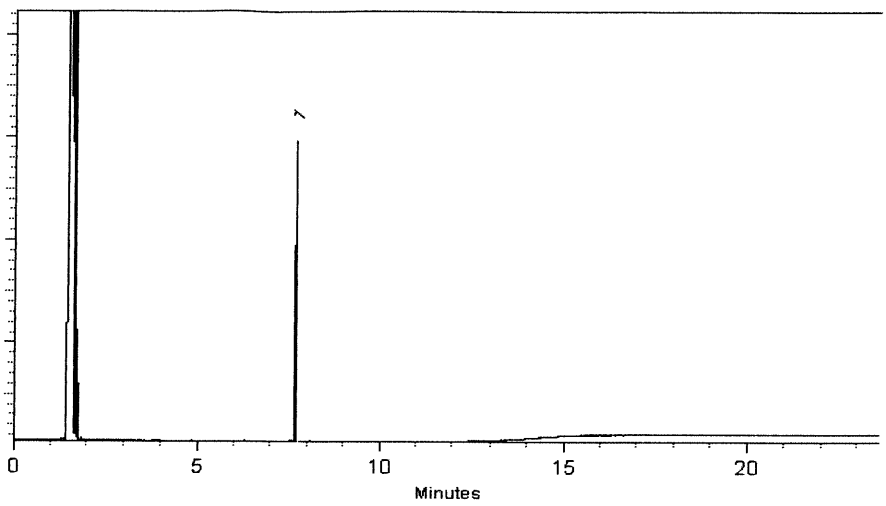
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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Bellefonte, PA 16823-8812
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Certificate of Analysis

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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.:** 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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA

A2LA 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 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	4-Nitroanisole **CAS #** 100-17-4 (Lot 24765/7) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Pentachloroanisole **CAS #** 1825-21-4 (Lot 7921100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Chloramben methyl ester **CAS #** 7286-84-2 (Lot 6487100) **Purity** 98%	199.9 µg/mL	+/- 1.4176 +/- 6.7480 +/- 6.7480	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Bentazon methyl ester **CAS #** 61592-45-8 (Lot 817100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Picloram methyl ester **CAS #** 14143-55-6 (Lot 386-21B) **Purity** 98%	201.9 µg/mL	+/- 1.4315 +/- 6.8141 +/- 6.8141	µg/mL µg/mL 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 +/- 6.7507 +/- 6.7507	µg/mL µg/mL 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)

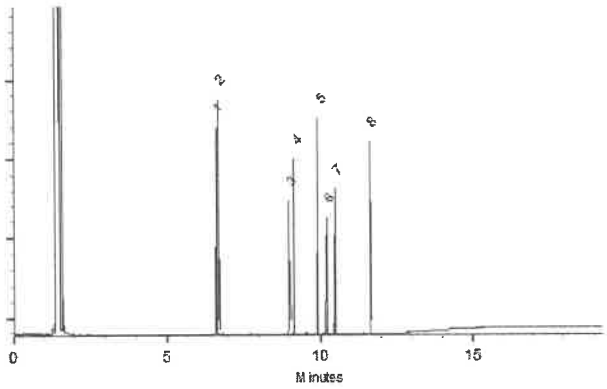
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Justine Albertson - Operations Tech-ARM QC

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) - P12630

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.)

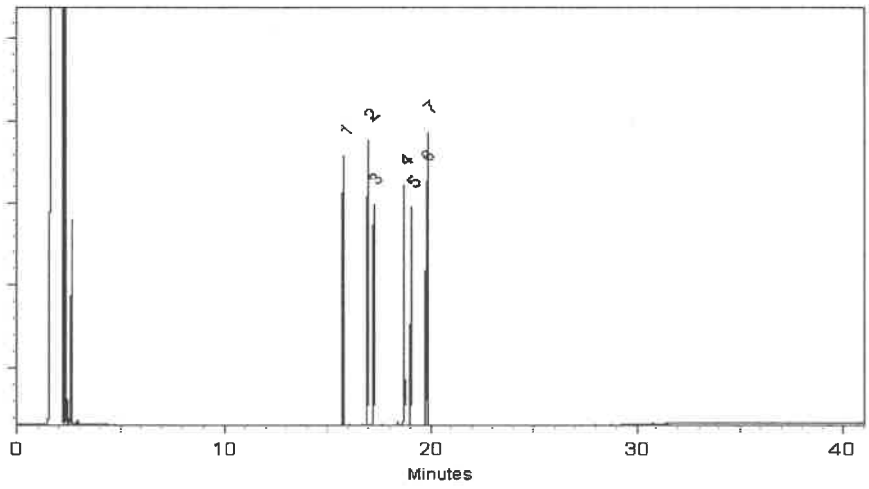
Inj. Temp:
250°C

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

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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.)

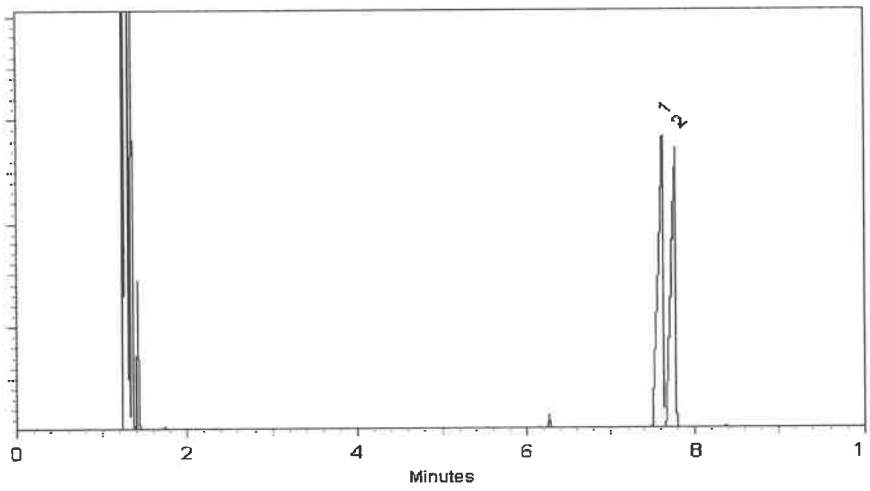
Inj. Temp:
250°C

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

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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

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CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Agilent
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ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
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

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9/25/2024

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ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
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)

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ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
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
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9/25/2024

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ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
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
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9/25/2024

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Fax: 1-814-353-1309

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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.)

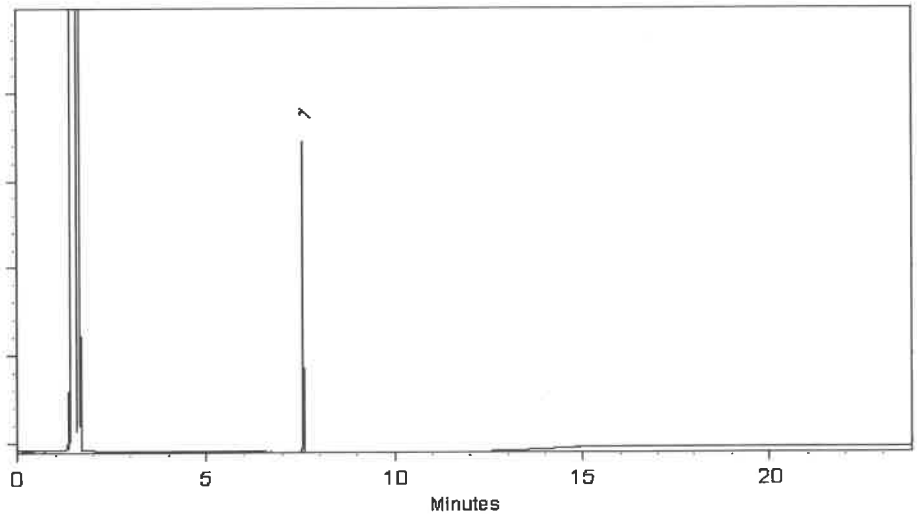
Inj. Temp:
250°C

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

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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

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* 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.)

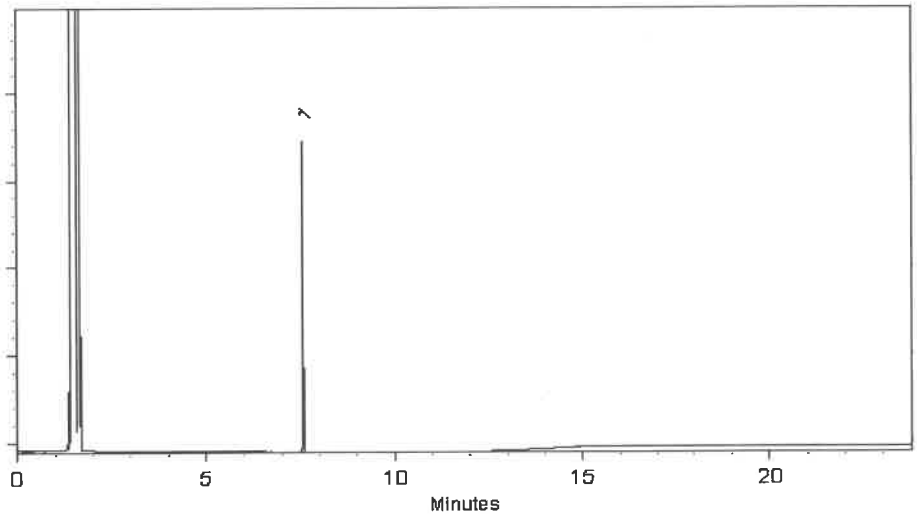
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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

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.

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)

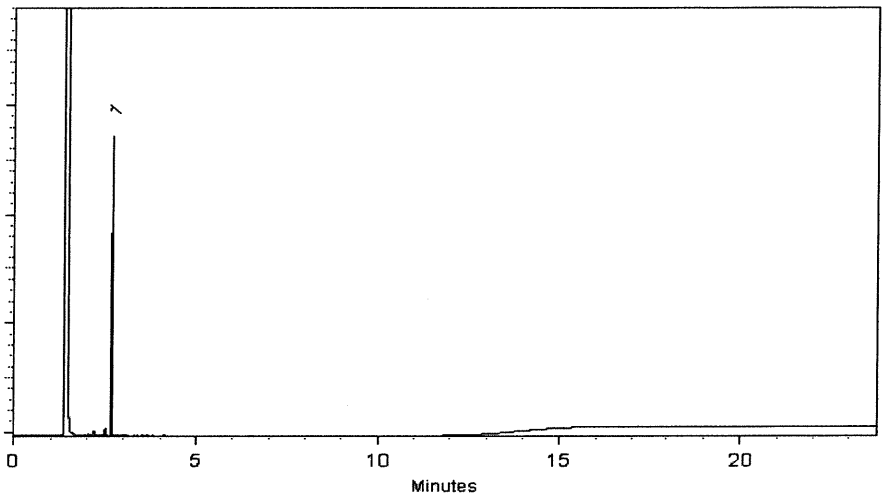
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Q 2555

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

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	Cyanide	SPLP RCP Metals - 6020		
	OU4-TS-29-070925	7/9/25	10:30	G	SO		3	2	1				X	X	X	X	X	X	X	X		
	OU4-TS-30-070925	7/9/25	10:45	G	SO		3	2	1				X	X	X	X	X	X	X	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: 7/9/25 1200
Received by: (signature)	Date/Time: 7/10/25 1000
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

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:

If Combi 4.3 ←

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 : Q2555 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/10/2025 10:17:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/10/2025 10:00:00 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
Q2555-01	OU4-TS-29-070925	Solid	07/09/2025	10:30					
					VOCMS Group3		8260D		10 Bus. Days
Q2555-03	OU4-TS-30-070925	Solid	07/09/2025	10:45					
					VOCMS Group3		8260D		10 Bus. Days

Relinquished By : CA
Date / Time : 7/10/25 13:05

Received By : Sam
Date / Time : 07/10/25 13:05 Right Lab

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:00
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: Jul 14 03:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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	7.333	7.769	868.3E6	251.6E6	231.179	255.689
	Target Compounds						
1) T	Dalapon	2.699	2.707	1359.2E6	617.1E6	234.829	227.615
2) T	3,5-DICHL...	6.494	6.716	1194.0E6	350.5E6	239.542	238.175
3) T	4-Nitroph...	7.134	7.304	287.7E6	359.3E6	223.294	214.127
5) T	DICAMBA	7.522	7.970	3524.3E6	1373.6E6	234.582	219.396
6) T	MCPP	7.700	8.065	153.7E6	38941915	16.629	18.218
7) T	MCPA	7.850	8.313	193.7E6	62375962	18.027	19.647
8) T	DICHLORPROP	8.234	8.691	779.7E6	349.8E6	241.890	242.016
9) T	2,4-D	8.468	9.028	668.7E6	386.9E6	228.056	239.199
10) T	Pentachlo...	8.773	9.550	12014.7E6	8612.5E6	235.540	226.008
11) T	2,4,5-TP ...	9.353	9.932	3940.1E6	3271.1E6	216.622	230.772
12) T	2,4,5-T	9.649	10.359	3069.2E6	3091.2E6	206.998	228.467
13) T	2,4-DB	10.228	10.928	436.6E6	268.4E6	209.069	238.332
14) T	DINOSEB	11.441	11.310	2709.5E6	2482.1E6	211.237	227.323
15) T	Picloram	11.264	12.425	2682.2E6	4609.1E6	187.392	197.690
16) T	DCPA	11.736	12.355	5033.6E6	4982.0E6	215.340	227.114

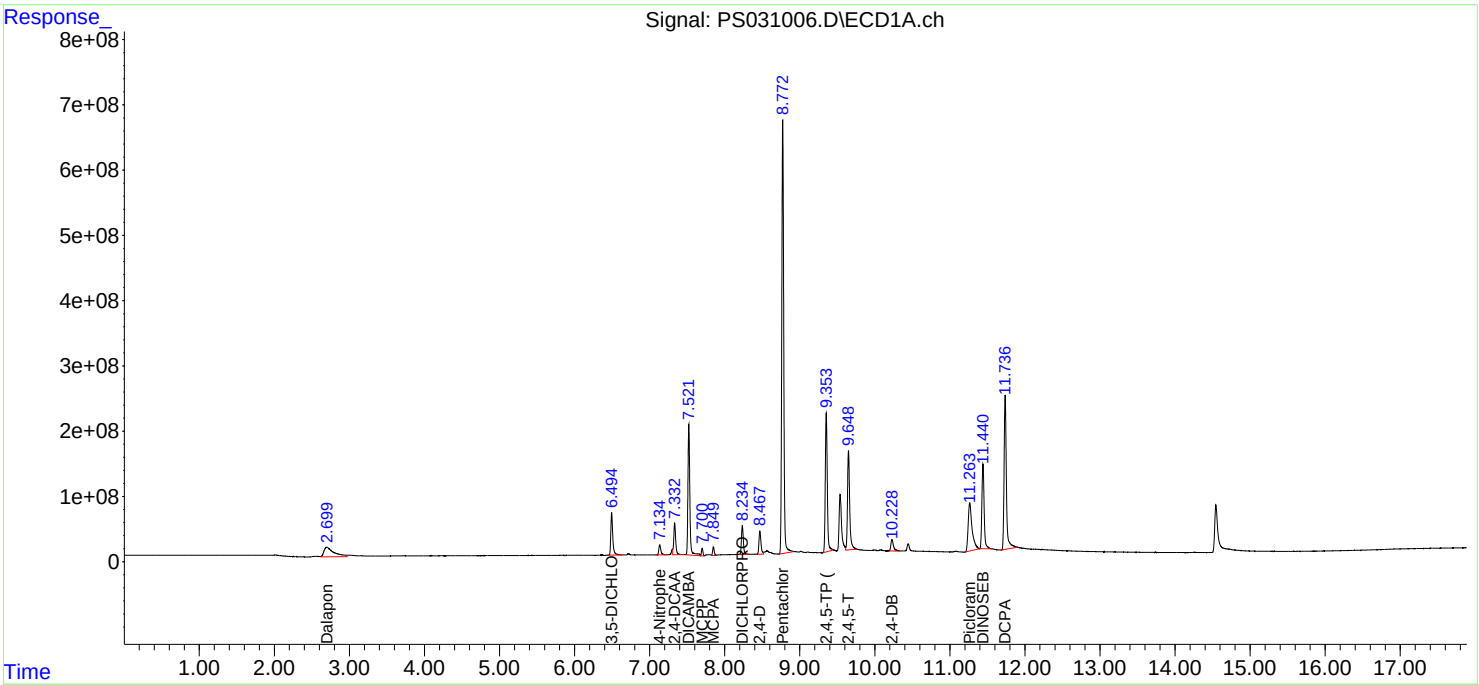
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

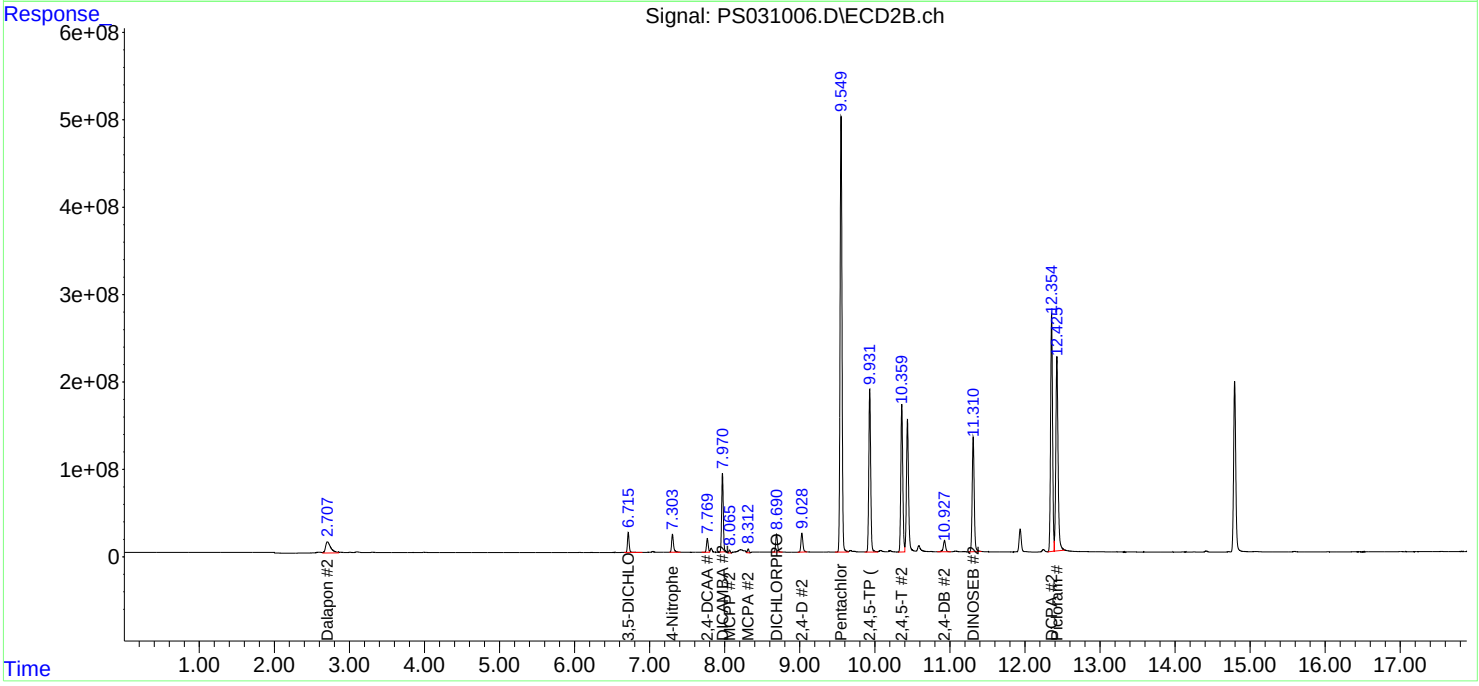
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:00
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

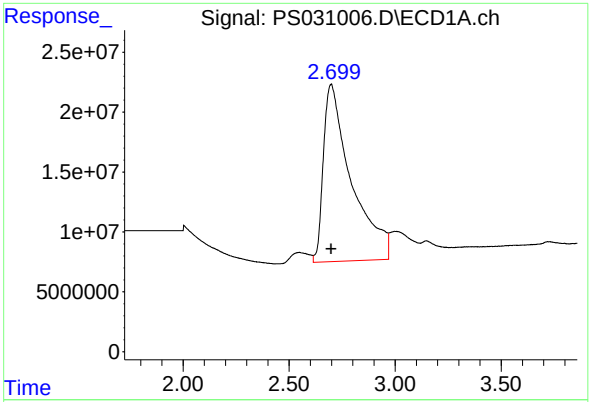
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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



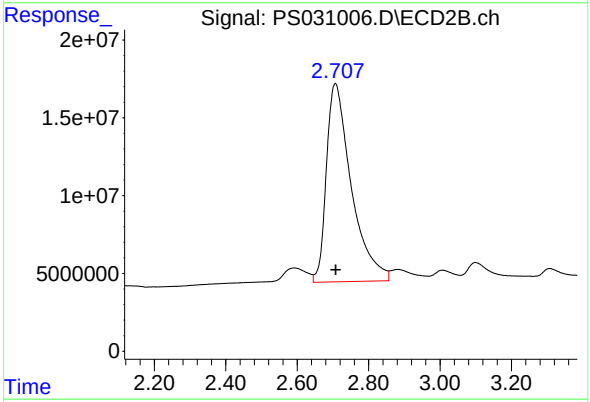




#1 Dalapon

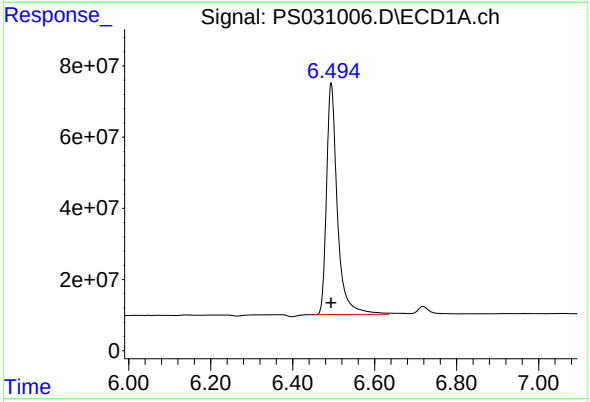
R.T.: 2.699 min
Delta R.T.: 0.001 min
Response: 1359186439
Conc: 234.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



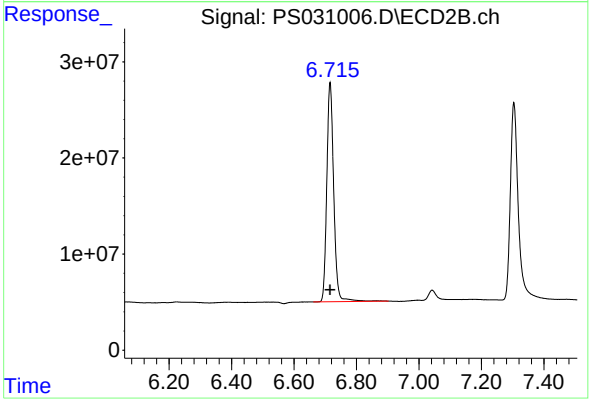
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: -0.001 min
Response: 617105162
Conc: 227.61 ng/ml



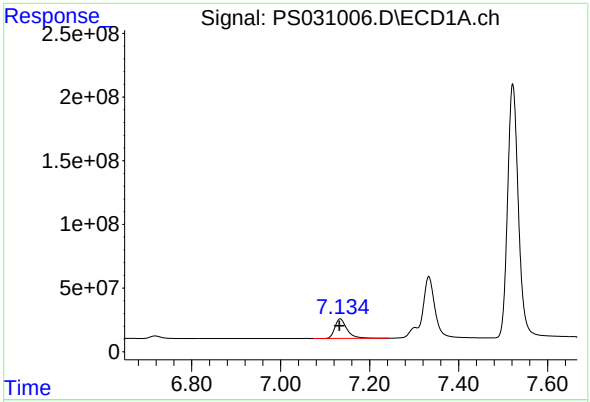
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 1193971988
Conc: 239.54 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

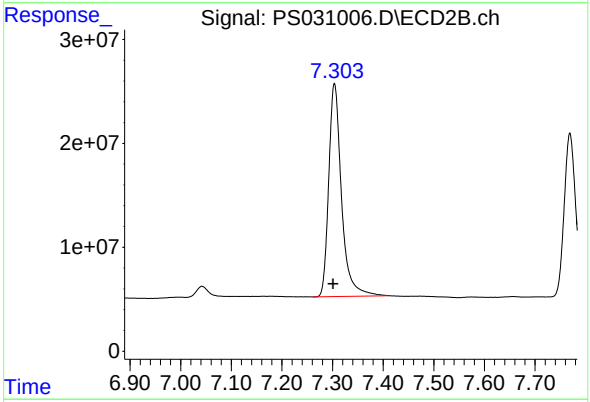
R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 350541032
Conc: 238.18 ng/ml



#3 4-Nitrophenol

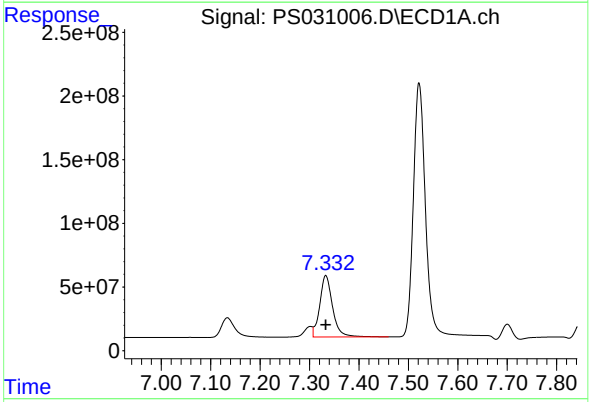
R.T.: 7.134 min
Delta R.T.: 0.002 min
Response: 287711185
Conc: 223.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



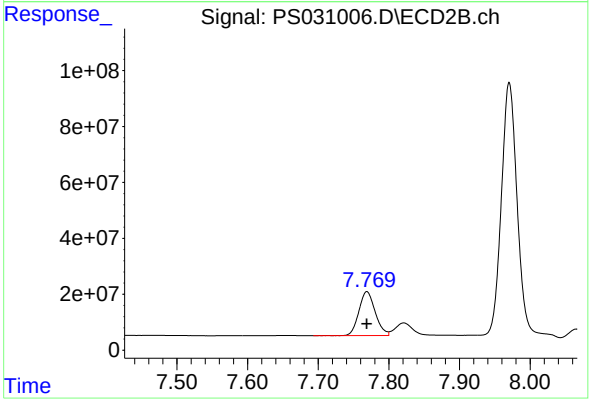
#3 4-Nitrophenol

R.T.: 7.304 min
Delta R.T.: 0.003 min
Response: 359307351
Conc: 214.13 ng/ml



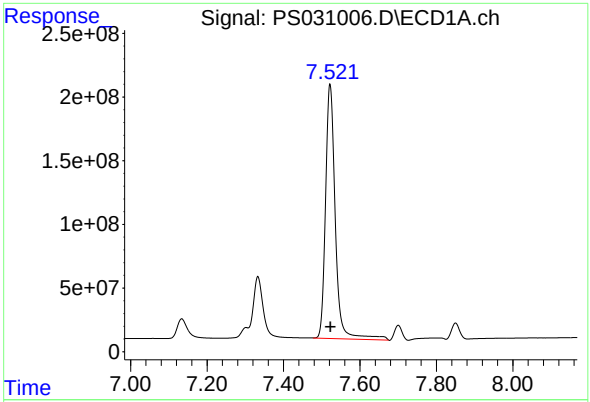
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 868296438
Conc: 231.18 ng/ml



#4 2,4-DCAA

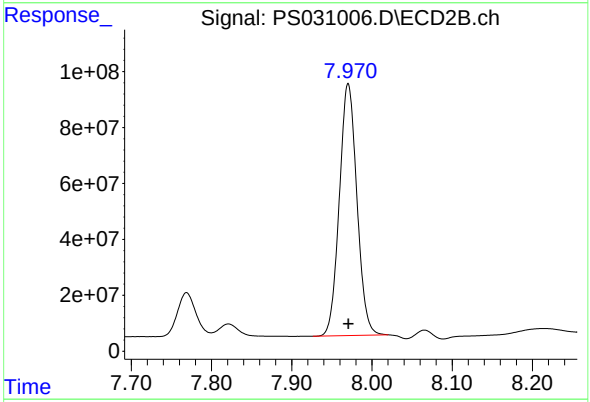
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 251615771
Conc: 255.69 ng/ml



#5 DICAMBA

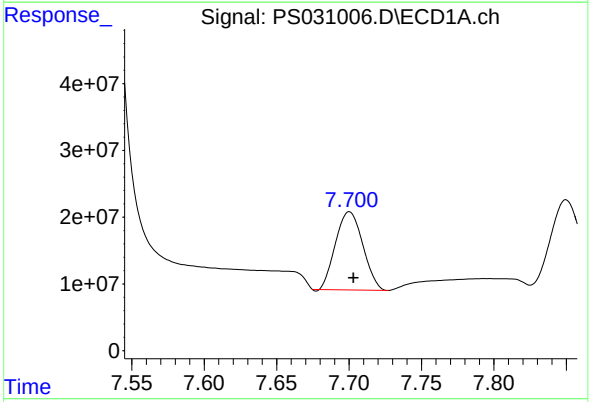
R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 3524272011
Conc: 234.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



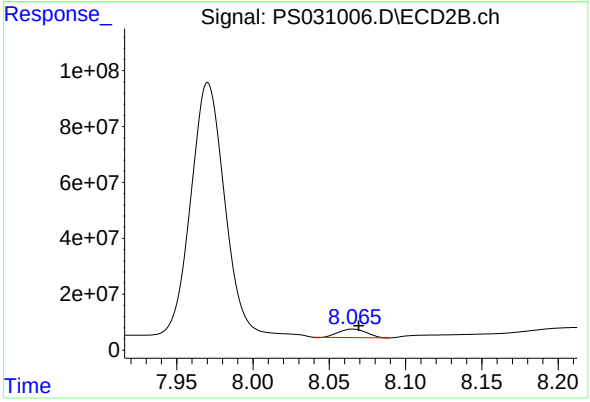
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 1373645814
Conc: 219.40 ng/ml



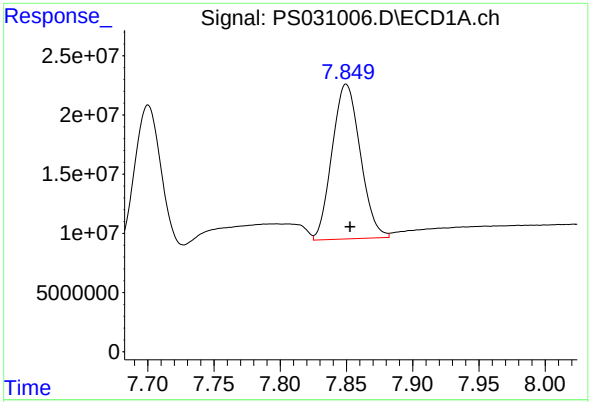
#6 MCPP

R.T.: 7.700 min
Delta R.T.: -0.003 min
Response: 153699251
Conc: 16.63 ug/ml



#6 MCPP

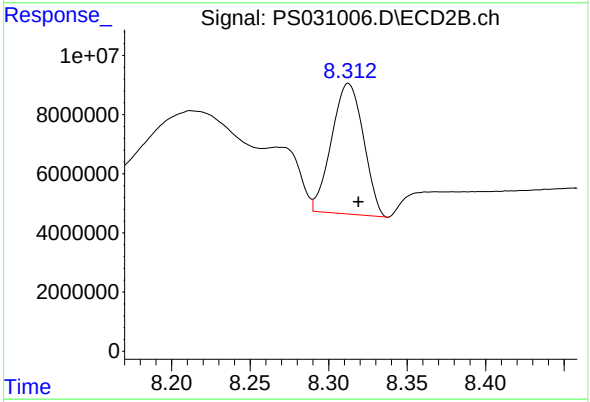
R.T.: 8.065 min
Delta R.T.: -0.004 min
Response: 38941915
Conc: 18.22 ug/ml



#7 MCPA

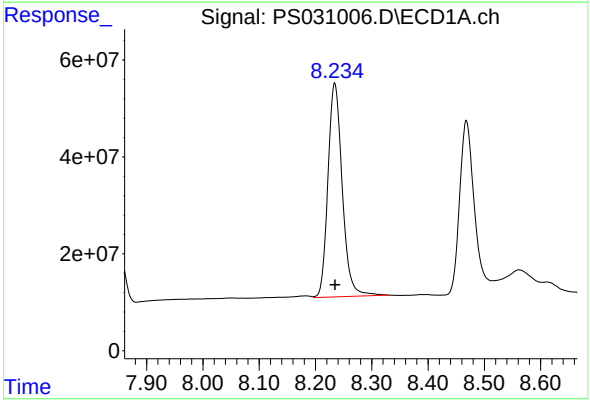
R.T.: 7.850 min
Delta R.T.: -0.003 min
Response: 193732588
Conc: 18.03 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



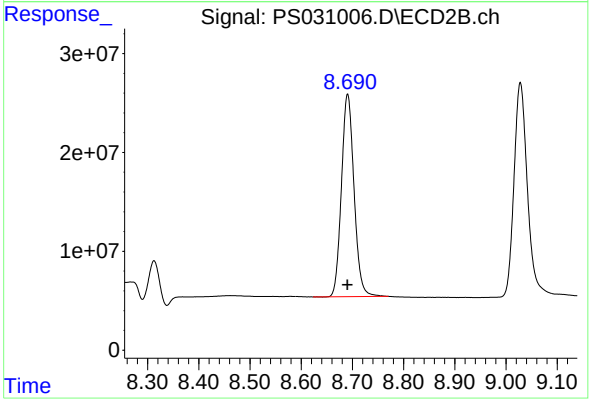
#7 MCPA

R.T.: 8.313 min
Delta R.T.: -0.006 min
Response: 62375962
Conc: 19.65 ug/ml



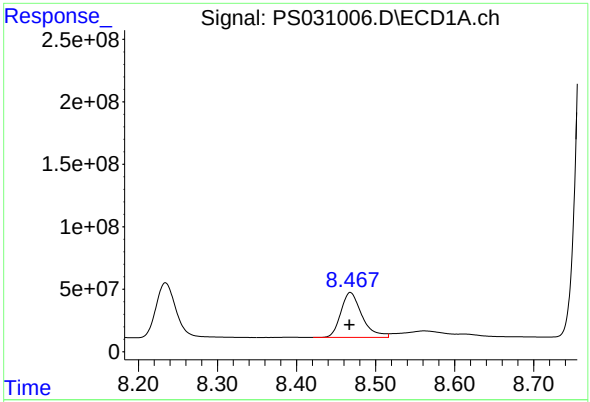
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 779694303
Conc: 241.89 ng/ml



#8 DICHLORPROP

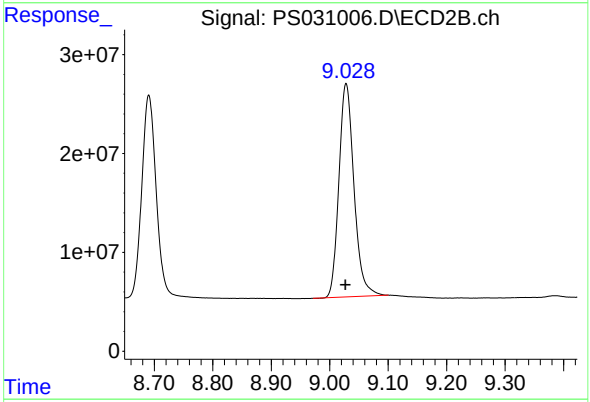
R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 349808770
Conc: 242.02 ng/ml



#9 2,4-D

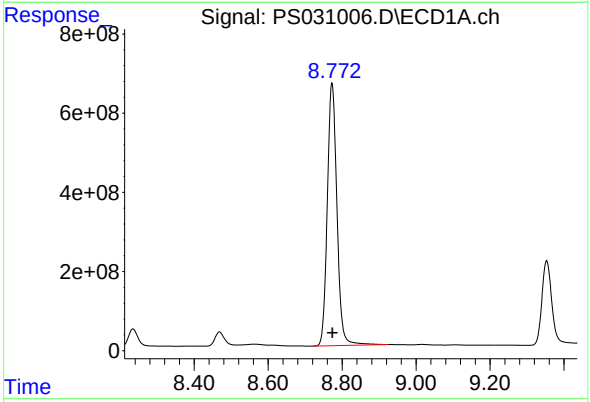
R.T.: 8.468 min
Delta R.T.: 0.001 min
Response: 668654376
Conc: 228.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



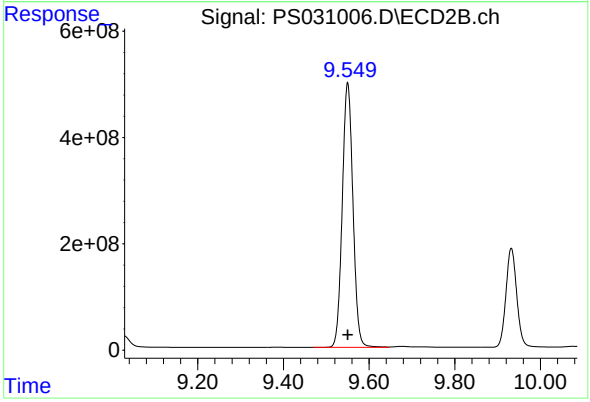
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: 0.001 min
Response: 386915116
Conc: 239.20 ng/ml



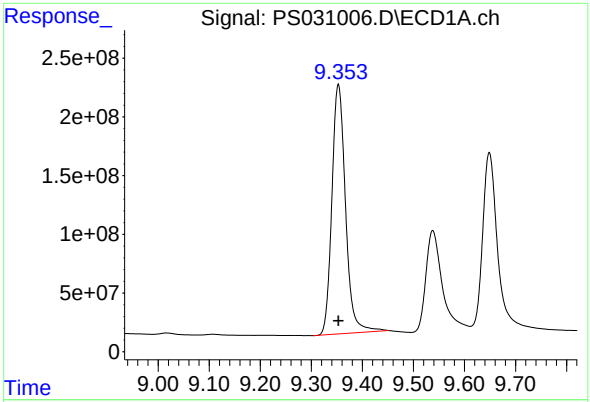
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 12014689664
Conc: 235.54 ng/ml



#10 Pentachlorophenol

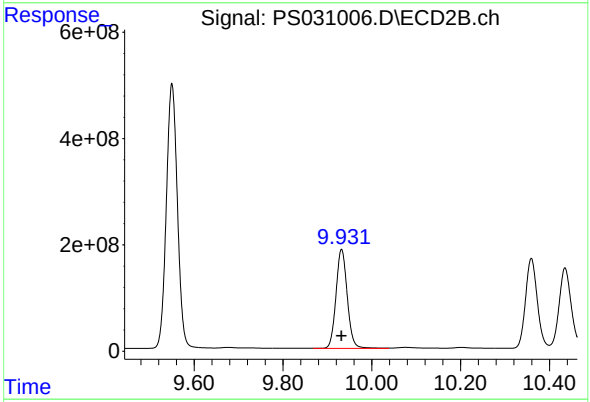
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 8612460446
Conc: 226.01 ng/ml



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

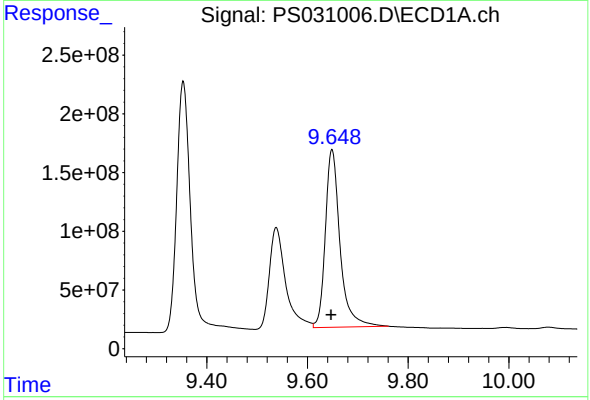
R.T.: 9.353 min
Delta R.T.: 0.000 min
Response: 3940122747
Conc: 216.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



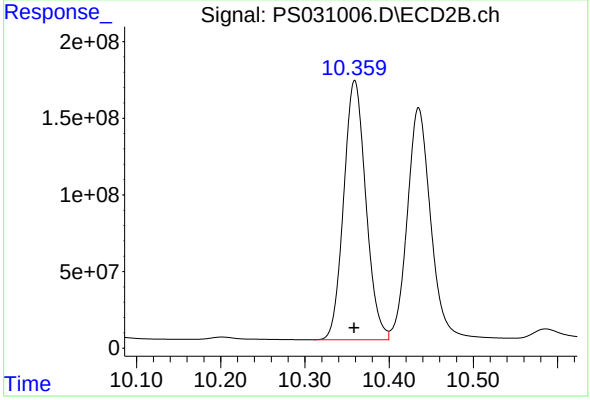
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 3271094233
Conc: 230.77 ng/ml



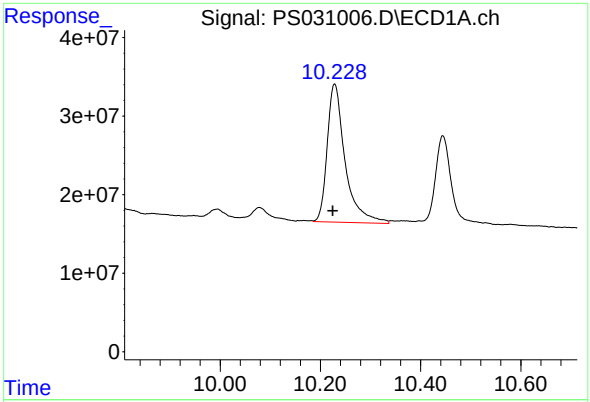
#12 2,4,5-T

R.T.: 9.649 min
Delta R.T.: 0.002 min
Response: 3069196711
Conc: 207.00 ng/ml



#12 2,4,5-T

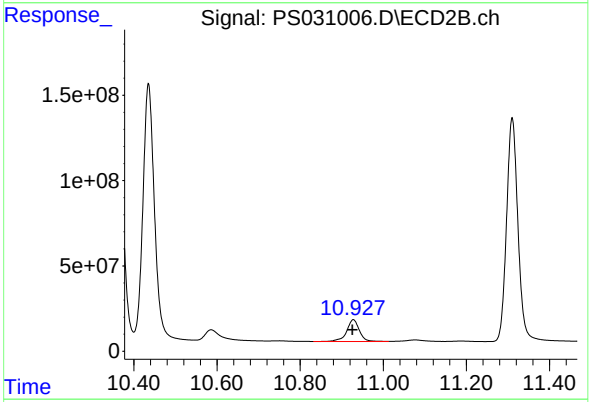
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 3091192979
Conc: 228.47 ng/ml



#13 2,4-DB

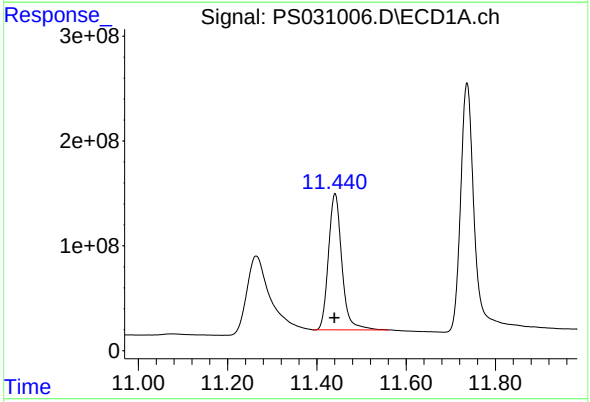
R.T.: 10.228 min
Delta R.T.: 0.003 min
Response: 436606607
Conc: 209.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



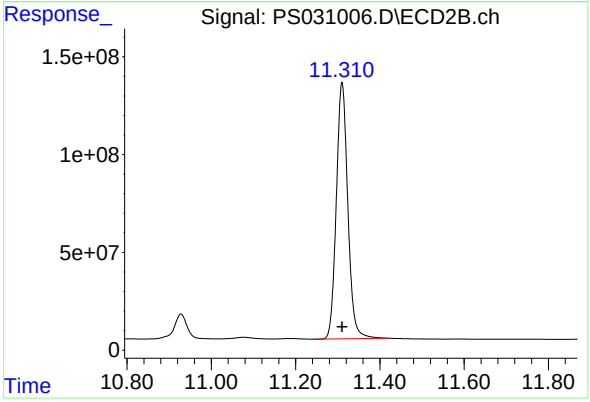
#13 2,4-DB

R.T.: 10.928 min
Delta R.T.: 0.002 min
Response: 268373751
Conc: 238.33 ng/ml



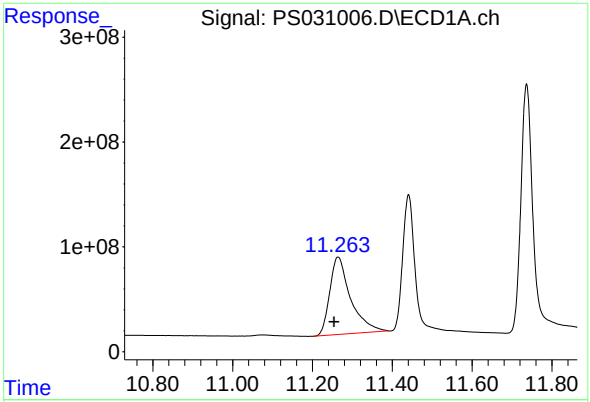
#14 DINOSEB

R.T.: 11.441 min
Delta R.T.: 0.002 min
Response: 2709546271
Conc: 211.24 ng/ml



#14 DINOSEB

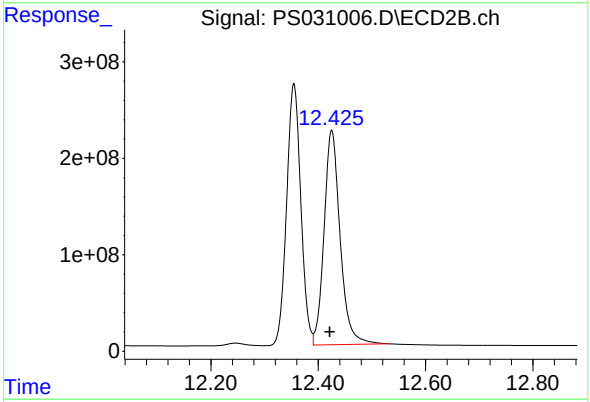
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 2482059801
Conc: 227.32 ng/ml



#15 Picloram

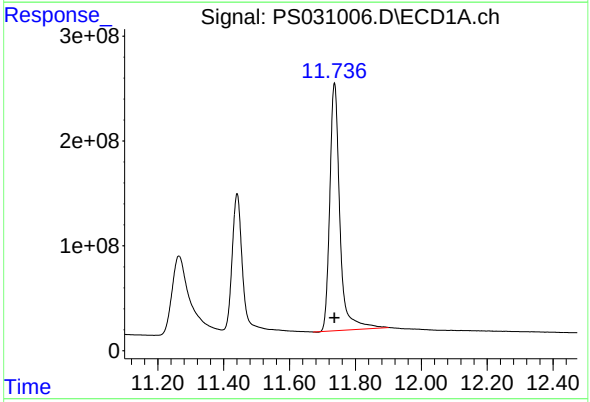
R.T.: 11.264 min
Delta R.T.: 0.010 min
Response: 2682223503
Conc: 187.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



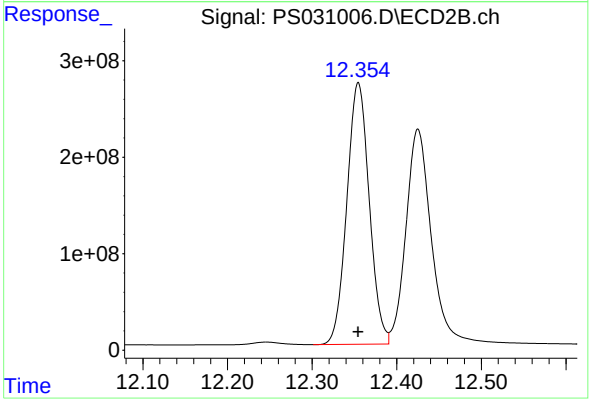
#15 Picloram

R.T.: 12.425 min
Delta R.T.: 0.004 min
Response: 4609145956
Conc: 197.69 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 5033620239
Conc: 215.34 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 4982016021
Conc: 227.11 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:24
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: Jul 14 03:15:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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	7.333	7.769	1727.7E6	505.6E6	459.988	513.825
	Target Compounds						
1) T	Dalapon	2.695	2.706	2710.6E6	1273.1E6	468.306	469.589
2) T	3,5-DICHL...	6.494	6.715	2408.8E6	699.2E6	483.265	475.046
3) T	4-Nitroph...	7.133	7.302	604.5E6	764.7E6	469.192	455.711
5) T	DICAMBA	7.522	7.971	7262.3E6	2954.3E6	483.393	471.852
6) T	MCPP	7.701	8.067	405.3E6	97457930	43.845	45.592
7) T	MCPA	7.851	8.316	473.4E6	143.2E6	44.051	45.117
8) T	DICHLORPROP	8.234	8.690	1564.2E6	700.8E6	485.278	484.884
9) T	2,4-D	8.467	9.028	1402.6E6	782.6E6	478.366	483.834
10) T	Pentachlo...	8.773	9.550	25005.5E6	18493.4E6	490.216	485.303
11) T	2,4,5-TP ...	9.352	9.931	8678.6E6	6892.6E6	477.136	486.265
12) T	2,4,5-T	9.647	10.359	6951.4E6	6538.4E6	468.828	483.243
13) T	2,4-DB	10.225	10.926	970.0E6	546.9E6	464.473	485.707
14) T	DINOSEB	11.438	11.310	5994.7E6	5205.5E6	467.344	476.757
15) T	Picloram	11.256	12.422	6552.3E6	10862.6E6	457.775	465.908
16) T	DCPA	11.736	12.354	11264.6E6	10701.1E6	481.906	487.830

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

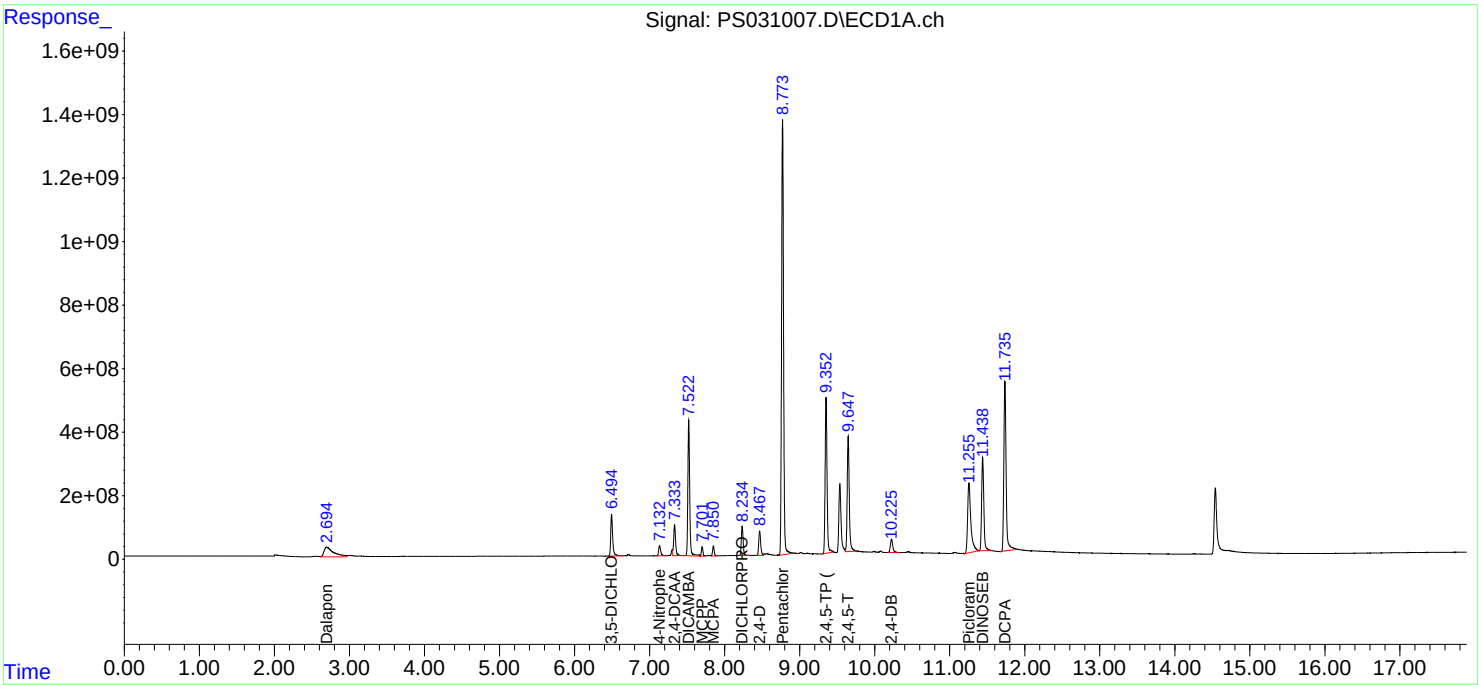
Quantitation Report (Not Reviewed)

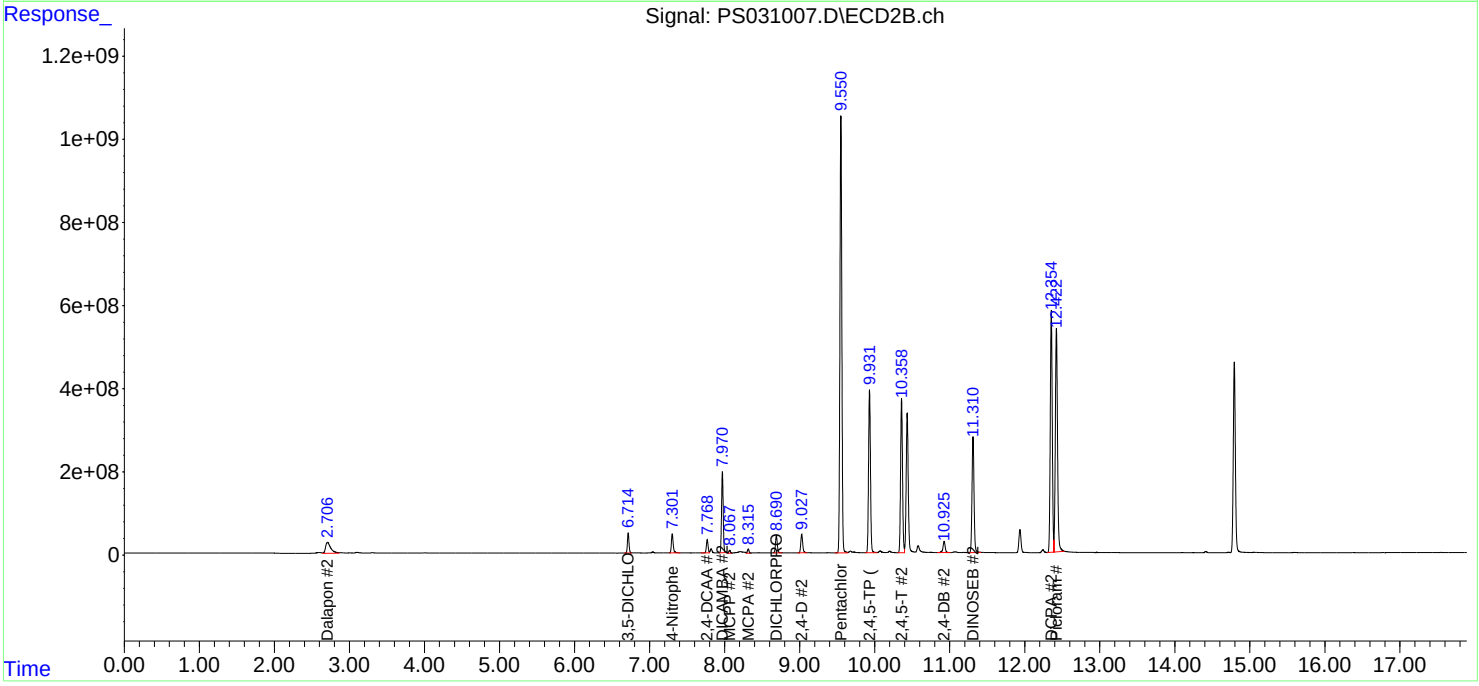
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:24
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

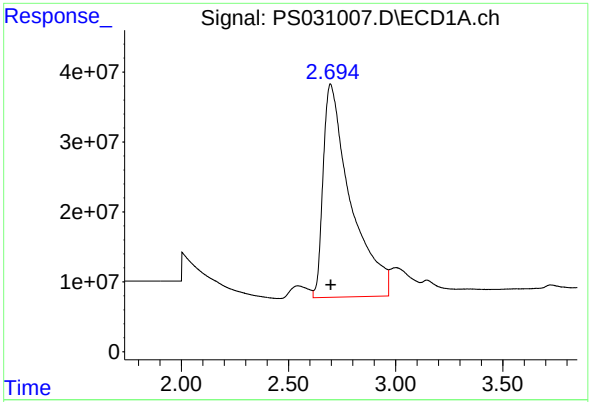
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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



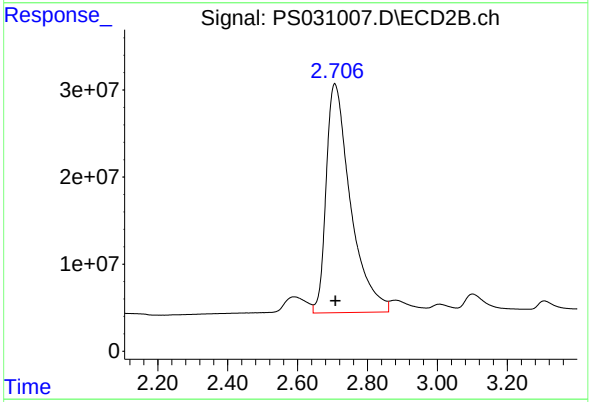




#1 Dalapon

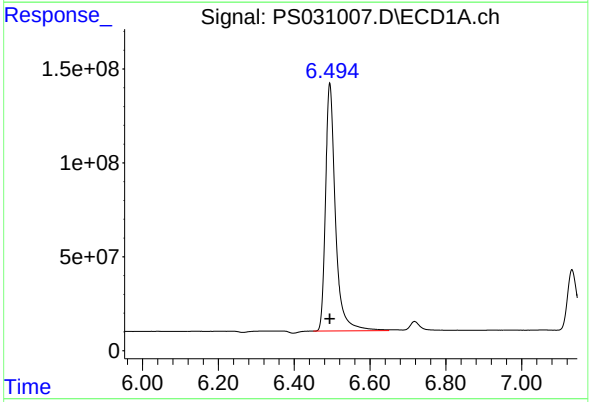
R.T.: 2.695 min
Delta R.T.: -0.003 min
Response: 2710551692
Conc: 468.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



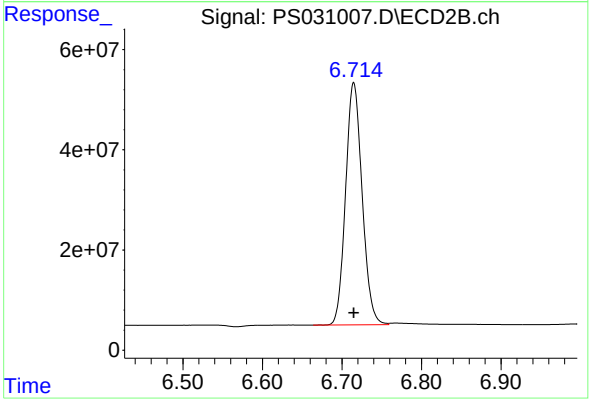
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: -0.002 min
Response: 1273143119
Conc: 469.59 ng/ml



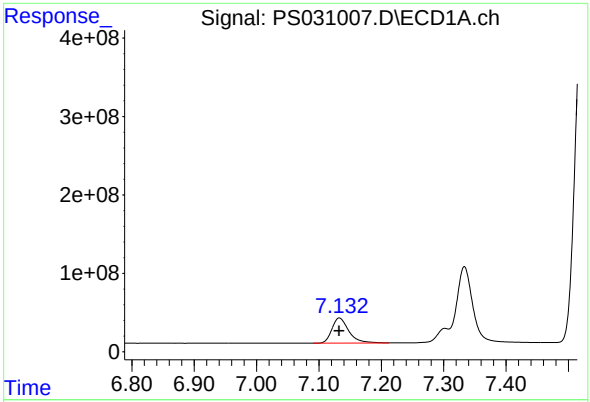
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 2408780023
Conc: 483.27 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

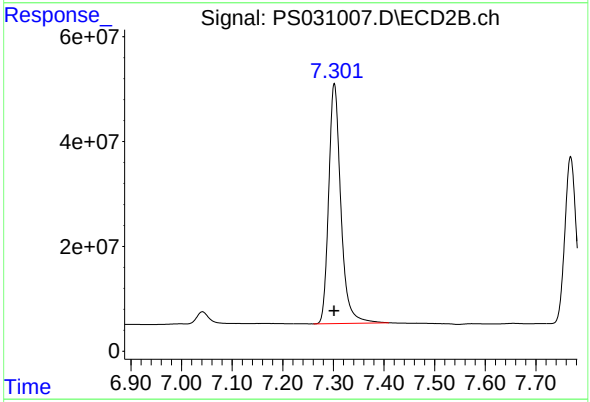
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 699162962
Conc: 475.05 ng/ml



#3 4-Nitrophenol

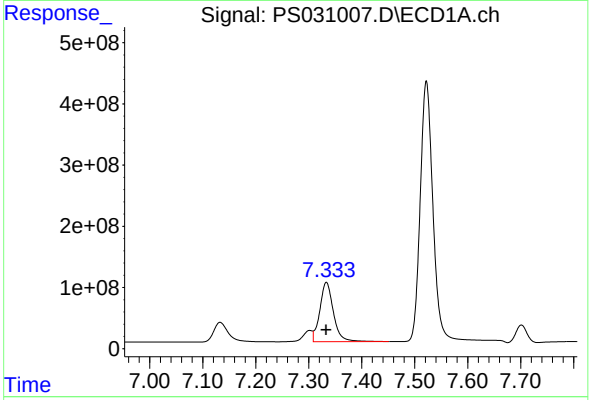
R.T.: 7.133 min
Delta R.T.: 0.000 min
Response: 604547873
Conc: 469.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



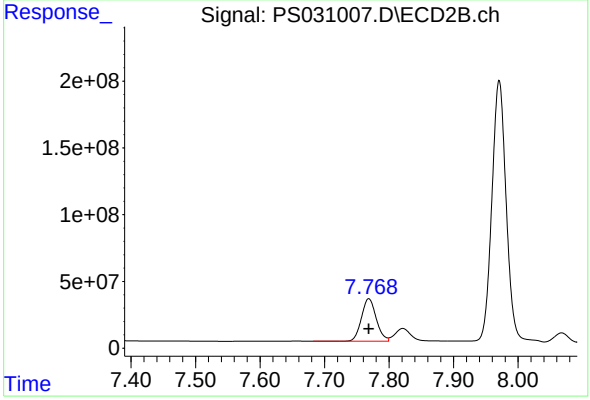
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.000 min
Response: 764689174
Conc: 455.71 ng/ml



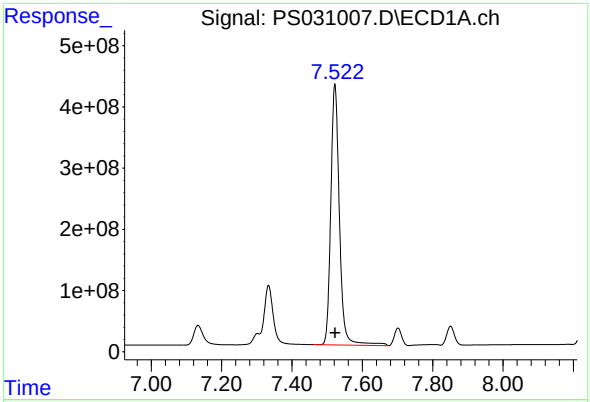
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 1727695059
Conc: 459.99 ng/ml



#4 2,4-DCAA

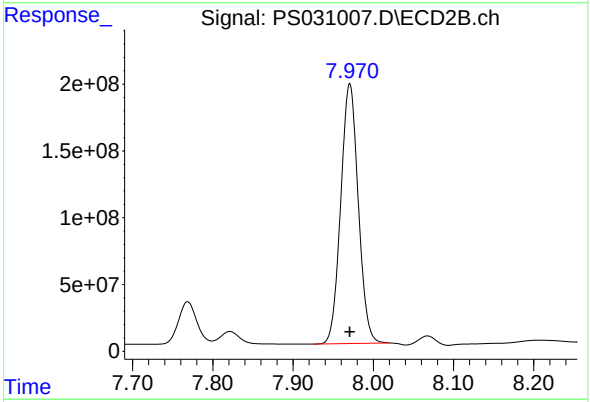
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 505640178
Conc: 513.82 ng/ml



#5 DICAMBA

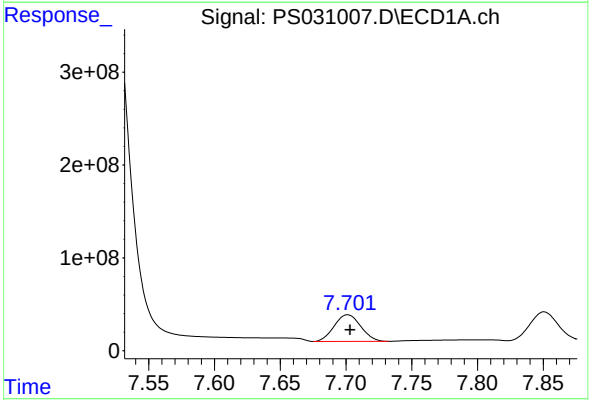
R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 7262329980
Conc: 483.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



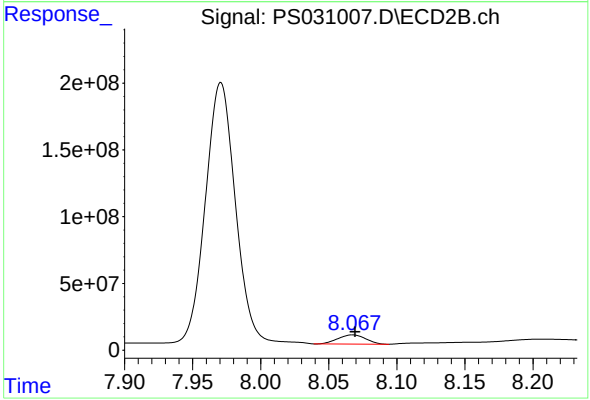
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 2954281766
Conc: 471.85 ng/ml



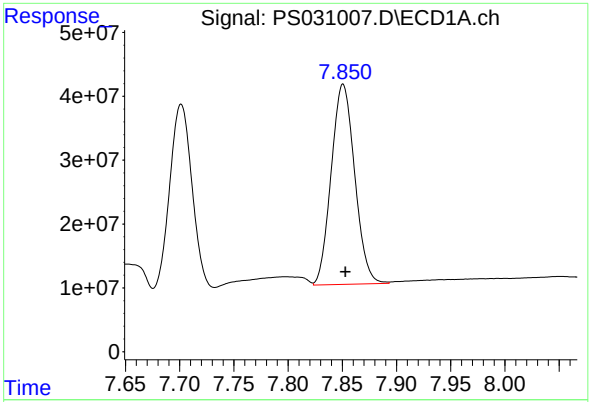
#6 MCPP

R.T.: 7.701 min
Delta R.T.: -0.002 min
Response: 405254028
Conc: 43.85 ug/ml



#6 MCPP

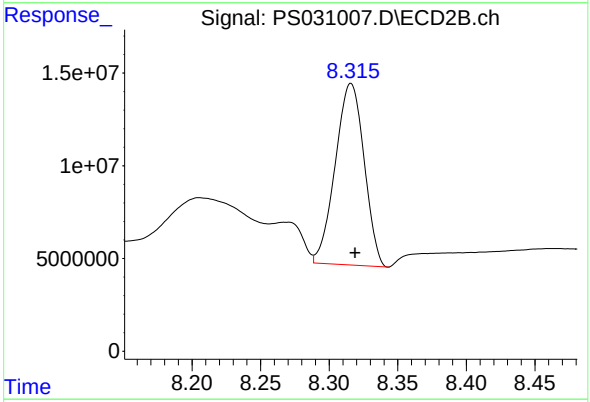
R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 97457930
Conc: 45.59 ug/ml



#7 MCPA

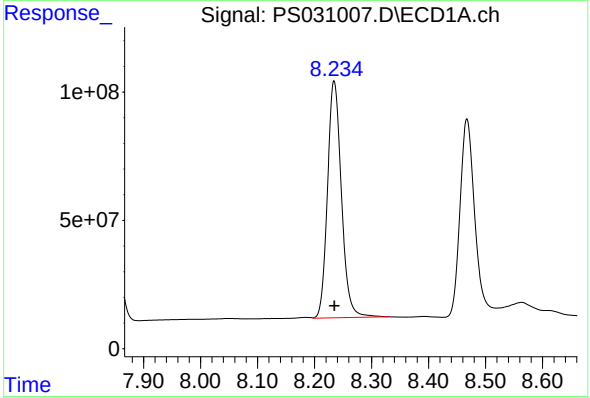
R.T.: 7.851 min
Delta R.T.: -0.002 min
Response: 473399368
Conc: 44.05 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



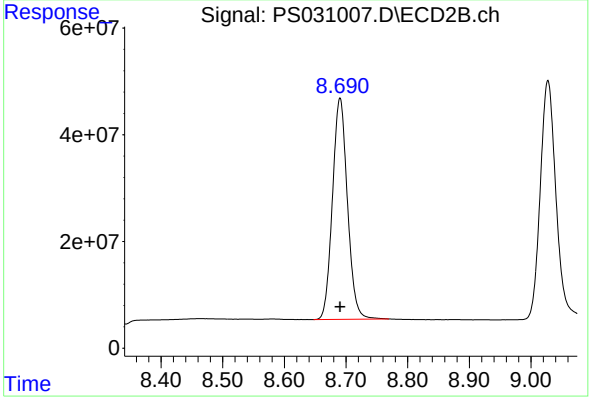
#7 MCPA

R.T.: 8.316 min
Delta R.T.: -0.003 min
Response: 143236463
Conc: 45.12 ug/ml



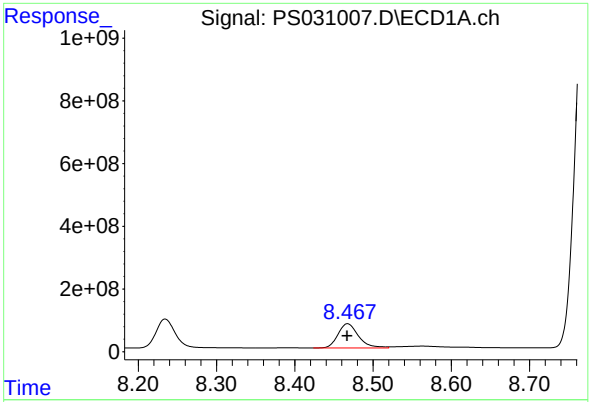
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 1564216081
Conc: 485.28 ng/ml



#8 DICHLORPROP

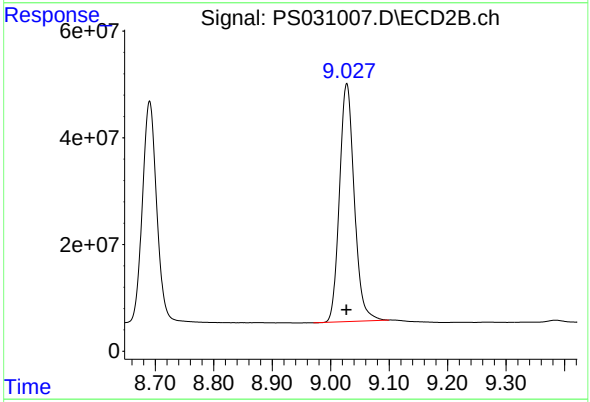
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 700848755
Conc: 484.88 ng/ml



#9 2,4-D

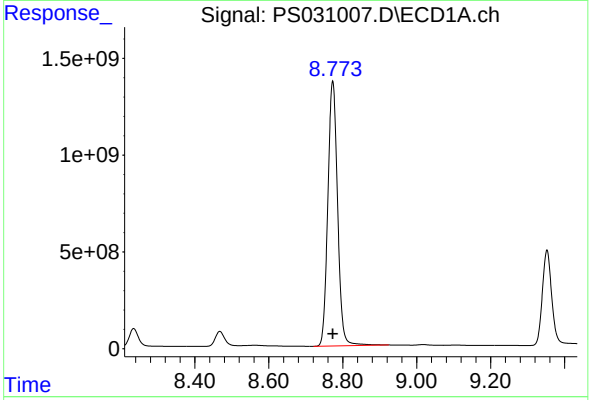
R.T.: 8.467 min
Delta R.T.: 0.000 min
Response: 1402561111
Conc: 478.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



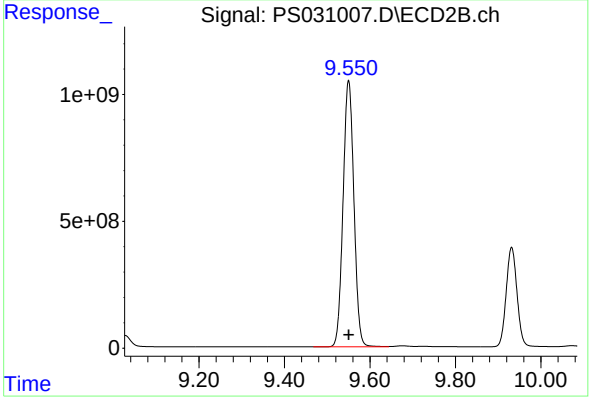
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: 0.000 min
Response: 782625431
Conc: 483.83 ng/ml



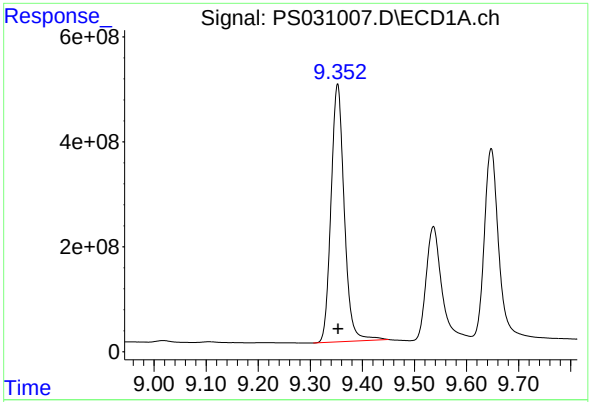
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 25005502043
Conc: 490.22 ng/ml



#10 Pentachlorophenol

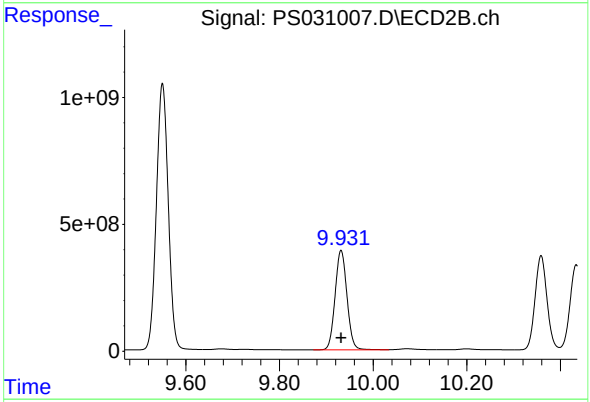
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 18493426690
Conc: 485.30 ng/ml



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

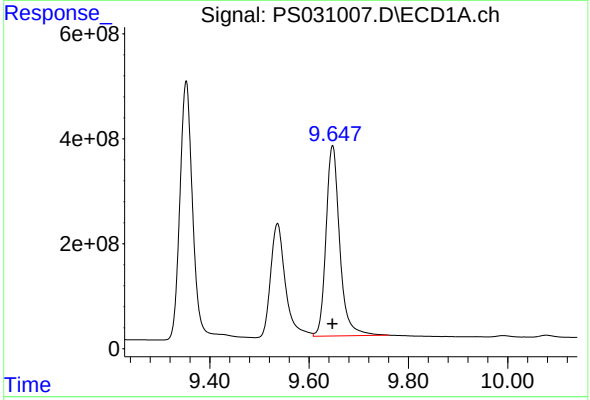
R.T.: 9.352 min
Delta R.T.: 0.000 min
Response: 8678606941
Conc: 477.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



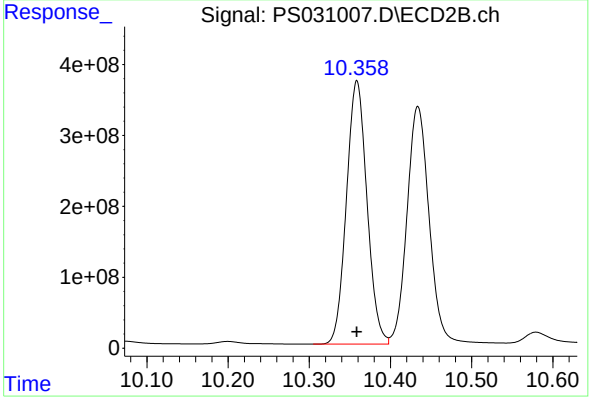
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 6892612786
Conc: 486.27 ng/ml



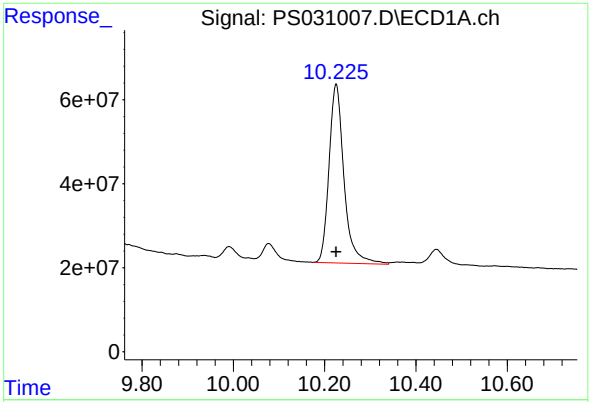
#12 2,4,5-T

R.T.: 9.647 min
Delta R.T.: 0.000 min
Response: 6951414781
Conc: 468.83 ng/ml



#12 2,4,5-T

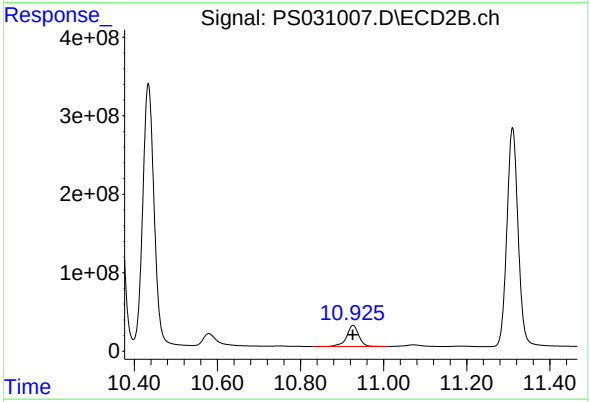
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 6538368101
Conc: 483.24 ng/ml



#13 2,4-DB

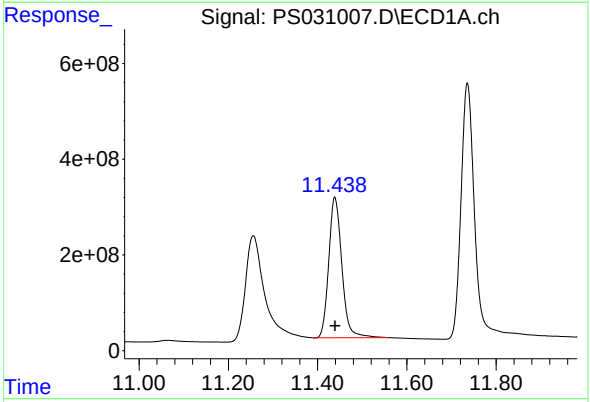
R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 969975772
Conc: 464.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



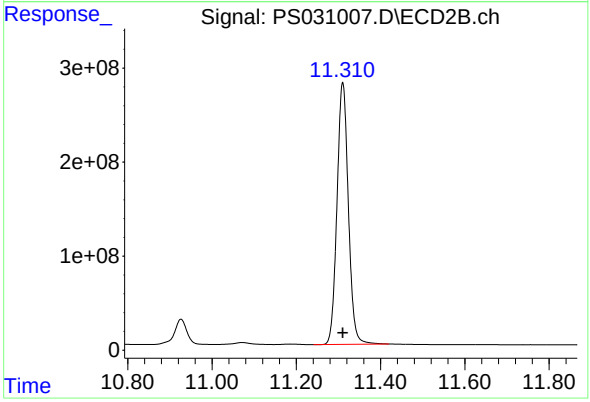
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 546929014
Conc: 485.71 ng/ml



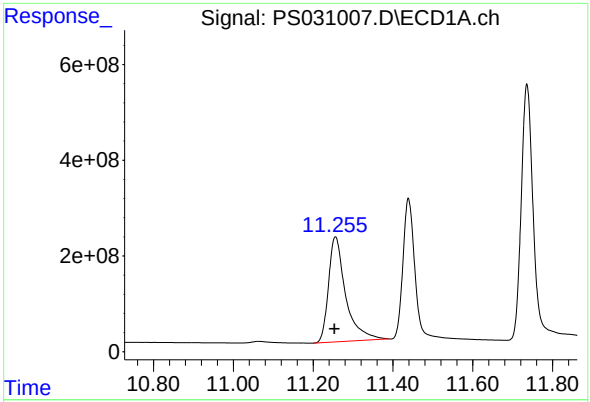
#14 DINOSEB

R.T.: 11.438 min
Delta R.T.: 0.000 min
Response: 5994657508
Conc: 467.34 ng/ml



#14 DINOSEB

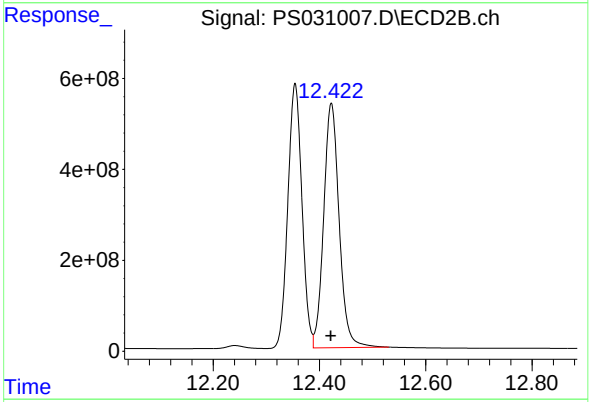
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 5205530111
Conc: 476.76 ng/ml



#15 Picloram

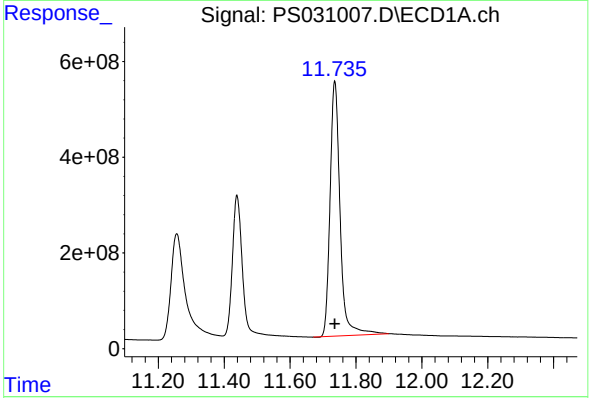
R.T.: 11.256 min
Delta R.T.: 0.002 min
Response: 6552347497
Conc: 457.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



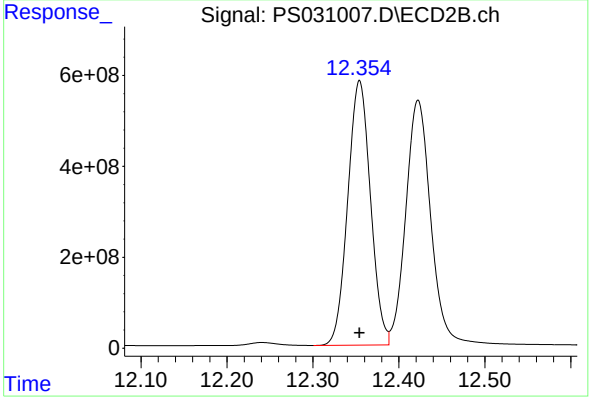
#15 Picloram

R.T.: 12.422 min
Delta R.T.: 0.001 min
Response: 10862643503
Conc: 465.91 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 11264648267
Conc: 481.91 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 10701128854
Conc: 487.83 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:36
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: Jul 14 03:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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	7.333	7.767	4695.9E6	1418.1E6	1250.250	1441.103
	Target Compounds						
1) T	Dalapon	2.698	2.707	7486.5E6	3547.9E6	1293.460	1308.613
2) T	3,5-DICHL...	6.493	6.714	6524.9E6	1980.6E6	1309.060	1345.701
3) T	4-Nitroph...	7.131	7.300	1725.8E6	2292.6E6	1339.368	1366.259
5) T	DICAMBA	7.521	7.970	20106.6E6	8698.0E6	1338.332	1389.226
6) T	MCPP	7.707	8.074	1430.6E6	309.1E6	154.781	144.613
7) T	MCPA	7.857	8.324	1645.7E6	445.0E6	153.134	140.171
8) T	DICHLORPROP	8.234	8.689	4381.4E6	1928.8E6	1359.272	1334.416
9) T	2,4-D	8.466	9.025	4148.9E6	2179.6E6	1415.062	1347.498
10) T	Pentachlo...	8.782	9.550	52777.9E6	46094.6E6	1034.675	1209.611
11) T	2,4,5-TP ...	9.352	9.931	25168.8E6	19018.3E6	1383.742	1341.717
12) T	2,4,5-T	9.646	10.358	21706.0E6	18321.9E6	1463.931	1354.148
13) T	2,4-DB	10.223	10.925	3219.3E6	1559.4E6	1541.540	1384.859
14) T	DINOSEB	11.439	11.310	18156.7E6	14885.6E6	1415.498	1363.317
15) T	Picloram	11.250	12.420	22339.0E6	32971.5E6	1560.697	1414.175
16) T	DCPA	11.735	12.354	32997.7E6	29245.9E6	1411.653	1333.227

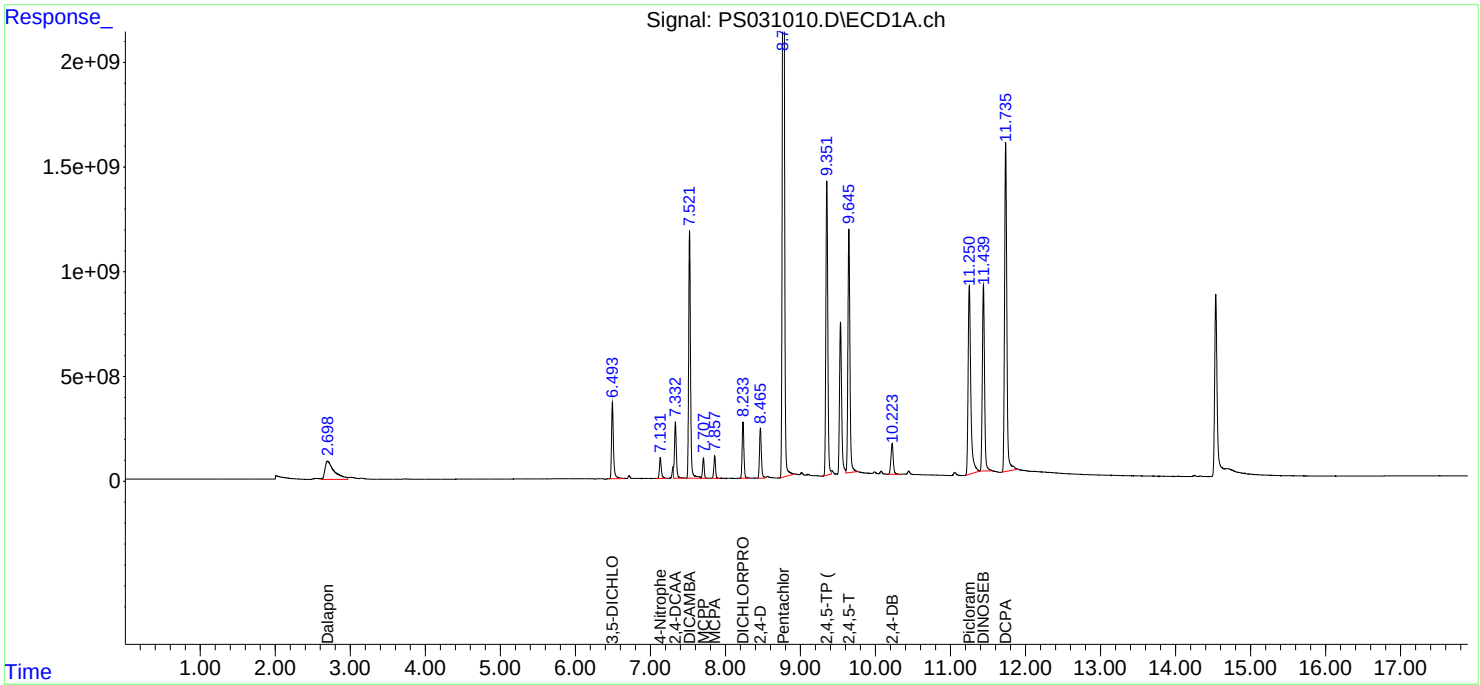
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

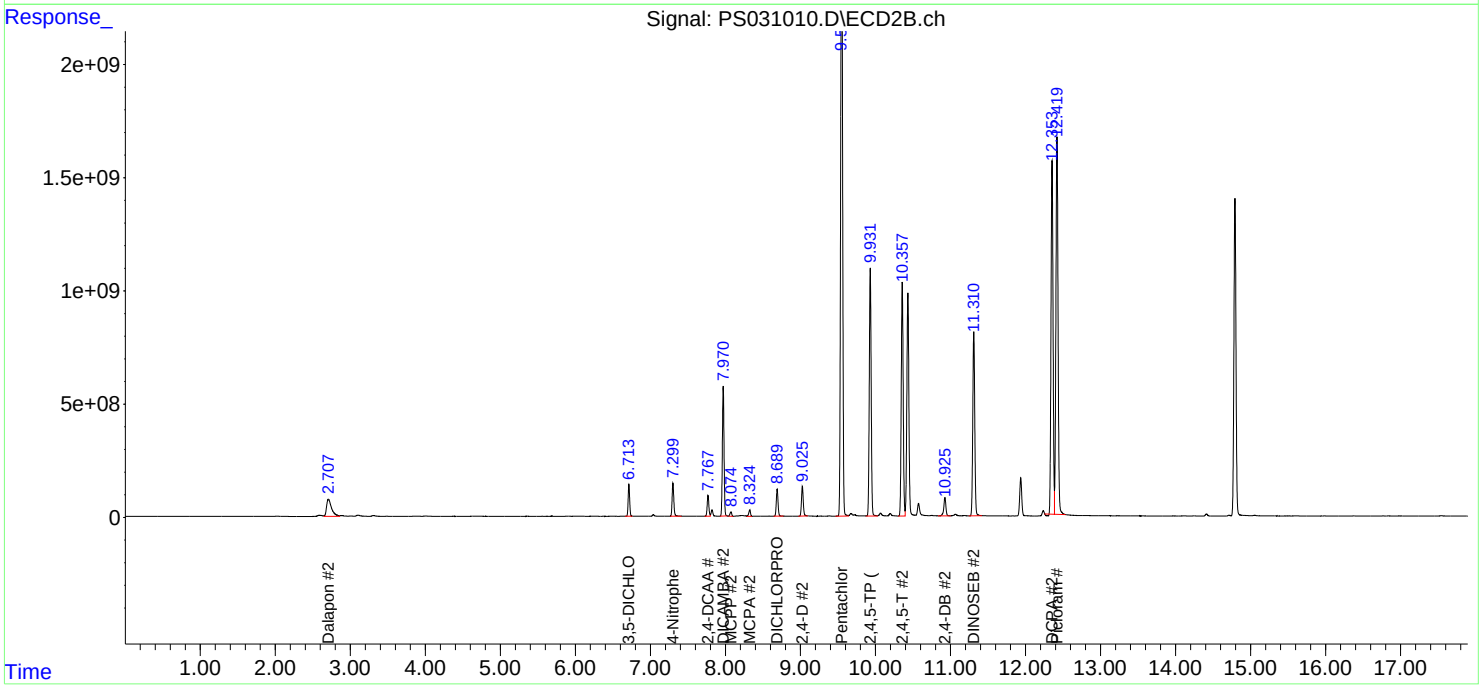
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:36
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

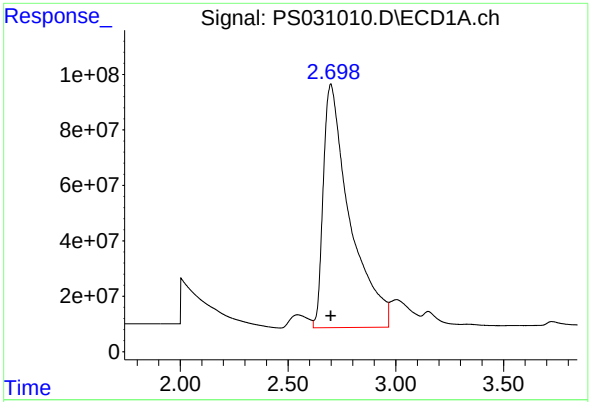
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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



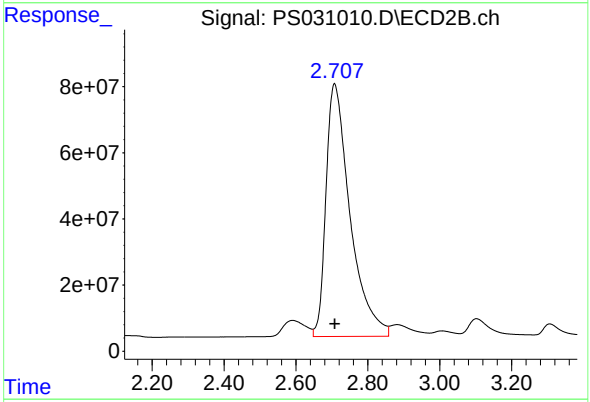




#1 Dalapon

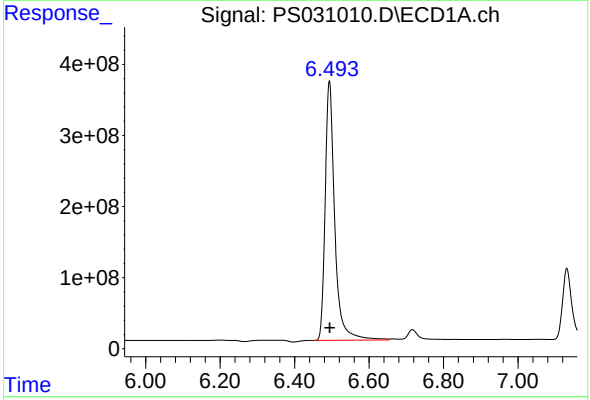
R.T.: 2.698 min
Delta R.T.: 0.000 min
Response: 7486531904
Conc: 1293.46 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



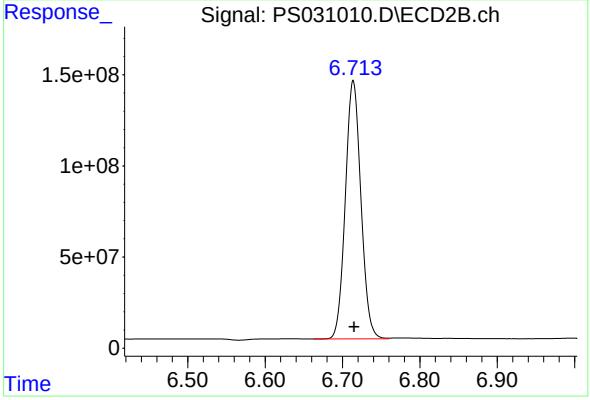
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: 0.000 min
Response: 3547892503
Conc: 1308.61 ng/ml



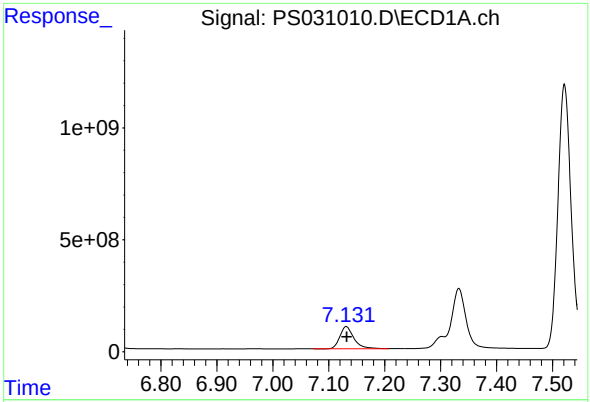
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 6524860091
Conc: 1309.06 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

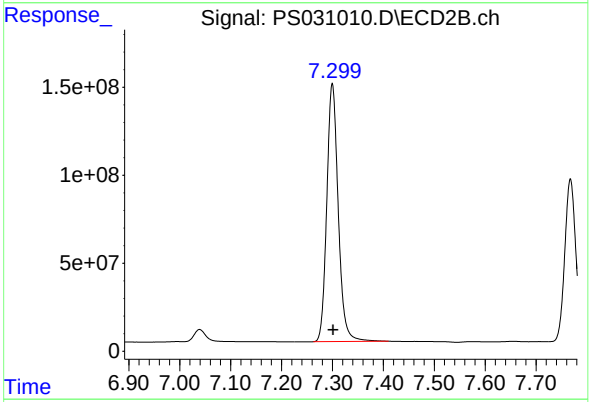
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 1980574001
Conc: 1345.70 ng/ml



#3 4-Nitrophenol

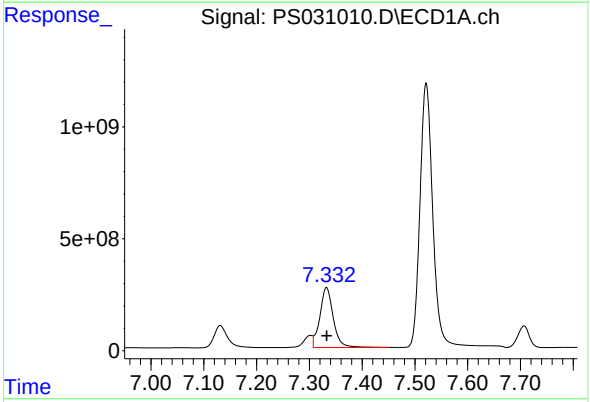
R.T.: 7.131 min
Delta R.T.: -0.001 min
Response: 1725756193
Conc: 1339.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



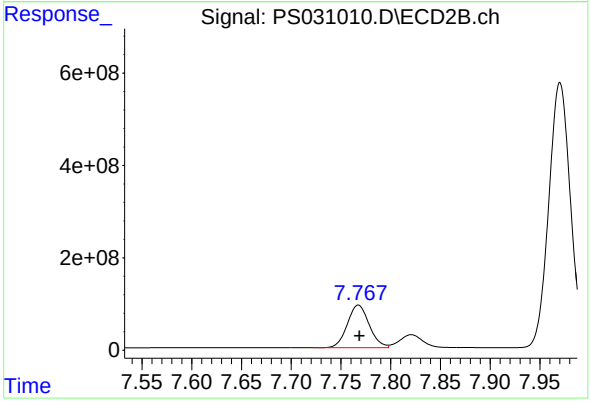
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.001 min
Response: 2292600688
Conc: 1366.26 ng/ml



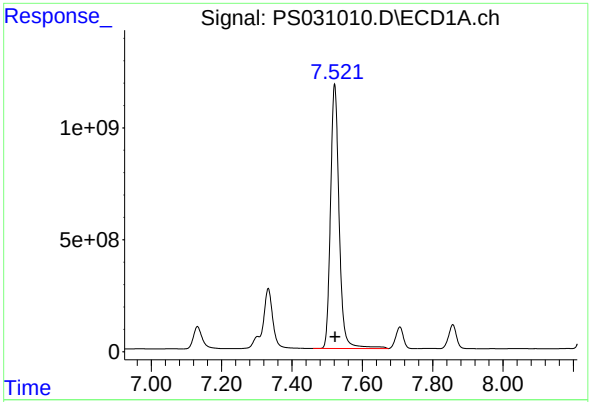
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 4695882532
Conc: 1250.25 ng/ml



#4 2,4-DCAA

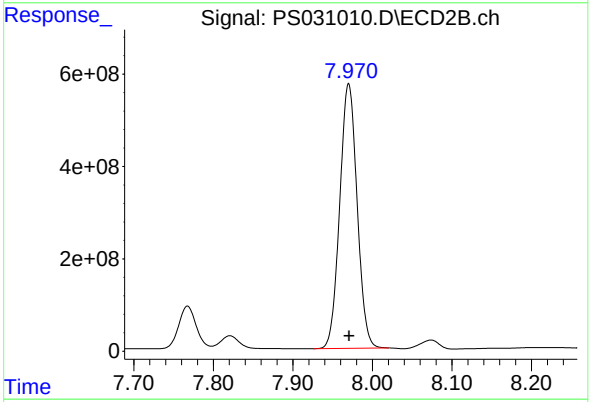
R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 1418147073
Conc: 1441.10 ng/ml



#5 DICAMBA

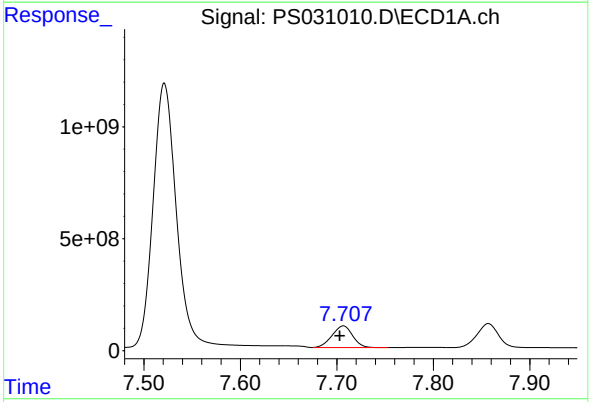
R.T.: 7.521 min
Delta R.T.: -0.001 min
Response: 20106636853
Conc: 1338.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



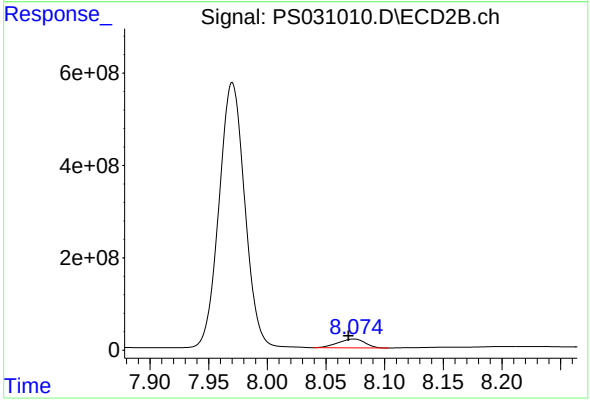
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 8697989555
Conc: 1389.23 ng/ml



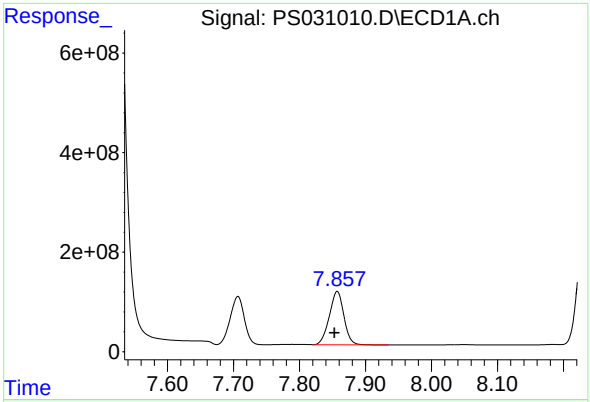
#6 MCPP

R.T.: 7.707 min
Delta R.T.: 0.004 min
Response: 1430619341
Conc: 154.78 ug/ml



#6 MCPP

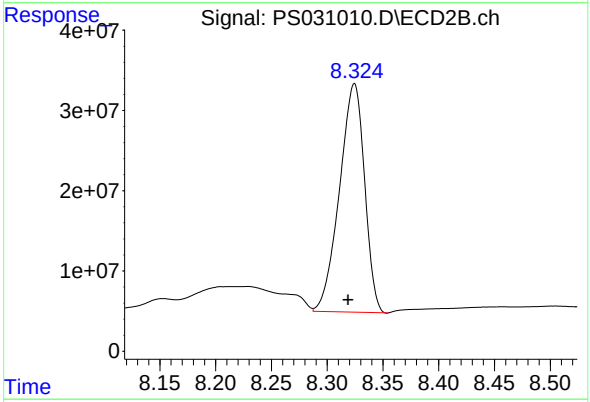
R.T.: 8.074 min
Delta R.T.: 0.004 min
Response: 309124730
Conc: 144.61 ug/ml



#7 MCPA

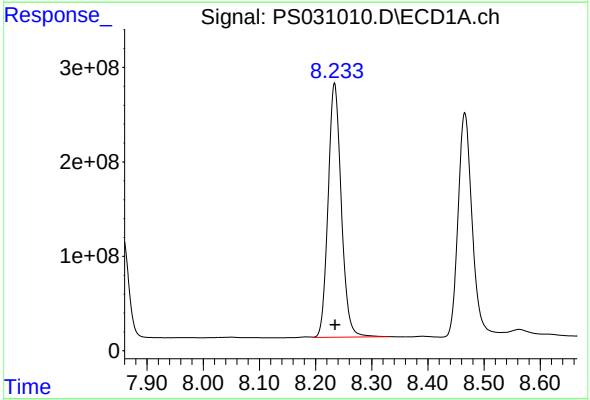
R.T.: 7.857 min
Delta R.T.: 0.004 min
Response: 1645689214
Conc: 153.13 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



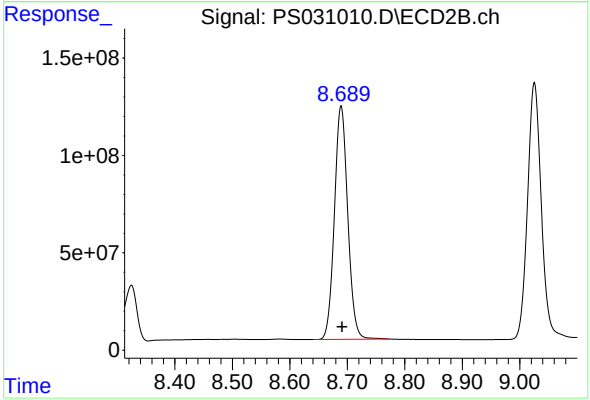
#7 MCPA

R.T.: 8.324 min
Delta R.T.: 0.005 min
Response: 445009528
Conc: 140.17 ug/ml



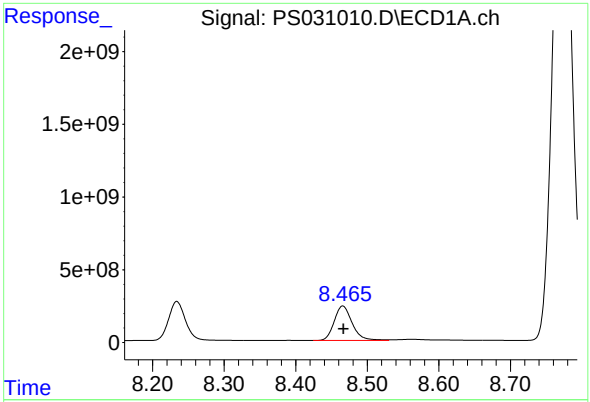
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 4381392344
Conc: 1359.27 ng/ml



#8 DICHLORPROP

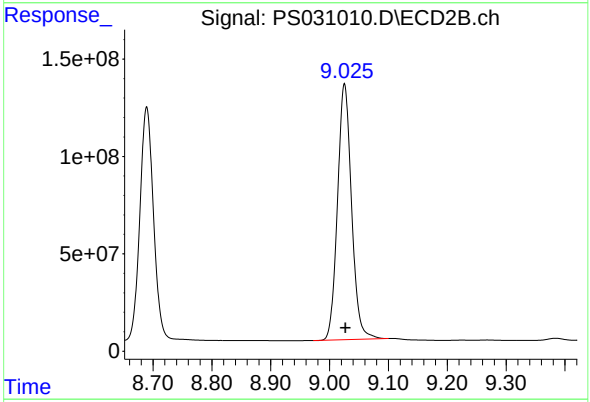
R.T.: 8.689 min
Delta R.T.: -0.001 min
Response: 1928757923
Conc: 1334.42 ng/ml



#9 2,4-D

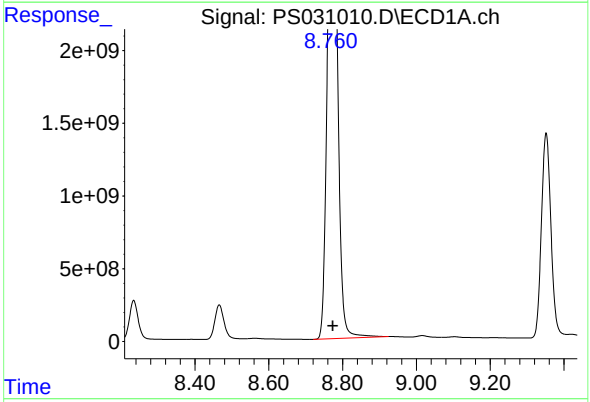
R.T.: 8.466 min
Delta R.T.: -0.001 min
Response: 4148934902
Conc: 1415.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



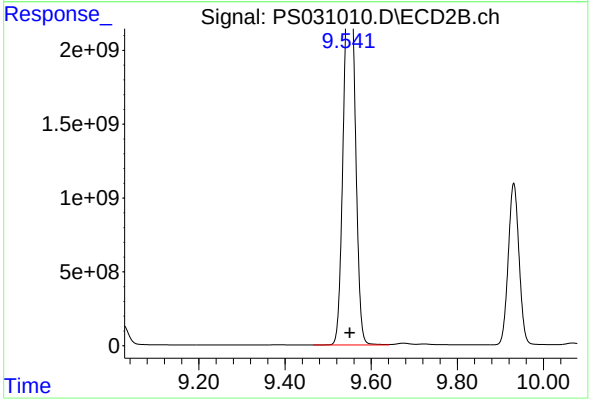
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: -0.001 min
Response: 2179642837
Conc: 1347.50 ng/ml



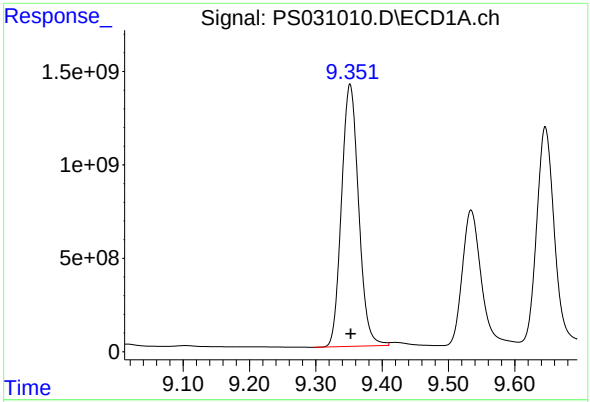
#10 Pentachlorophenol

R.T.: 8.782 min
Delta R.T.: 0.009 min
Response: 52777914102
Conc: 1034.67 ng/ml



#10 Pentachlorophenol

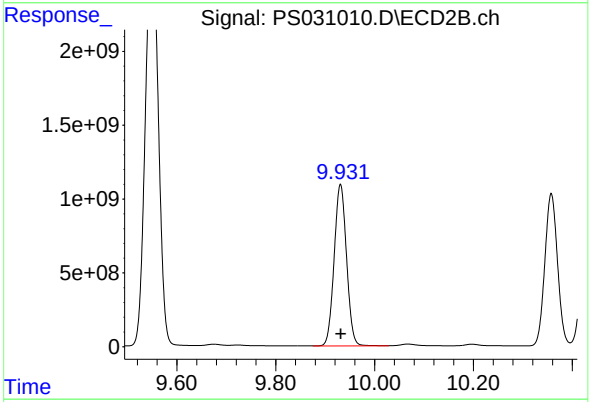
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 46094585187
Conc: 1209.61 ng/ml



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

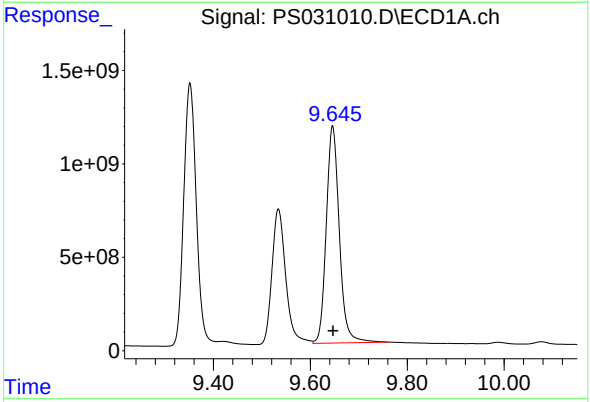
R.T.: 9.352 min
Delta R.T.: -0.001 min
Response: 25168810645
Conc: 1383.74 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



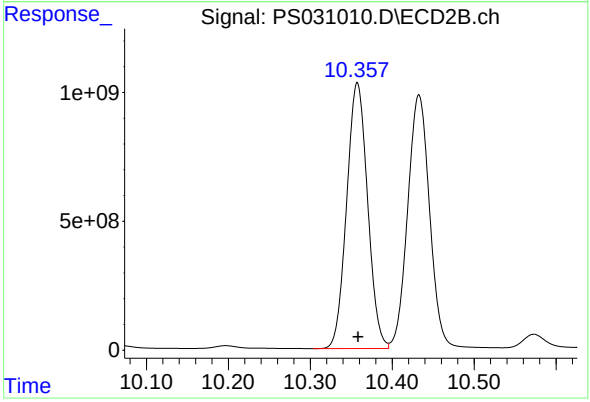
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 19018287889
Conc: 1341.72 ng/ml



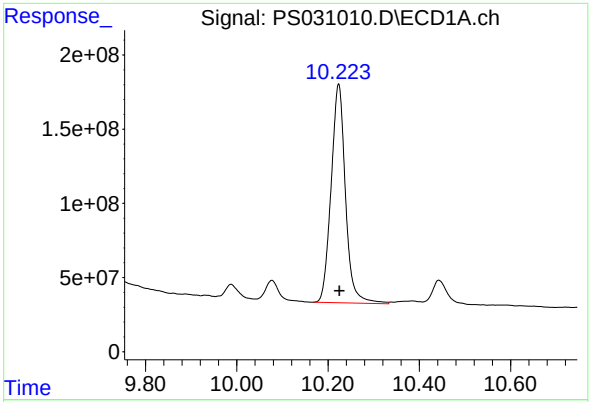
#12 2,4,5-T

R.T.: 9.646 min
Delta R.T.: 0.000 min
Response: 21706003287
Conc: 1463.93 ng/ml



#12 2,4,5-T

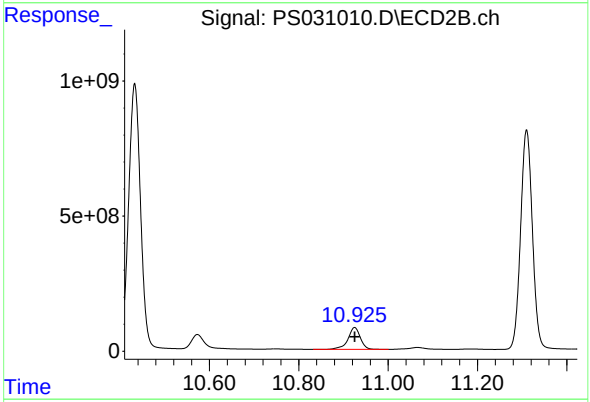
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 18321856144
Conc: 1354.15 ng/ml



#13 2,4-DB

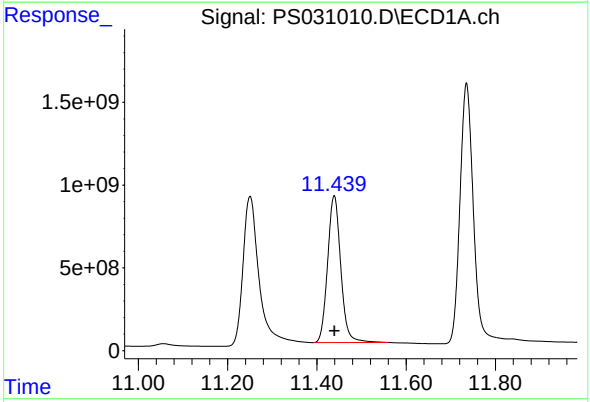
R.T.: 10.223 min
Delta R.T.: -0.002 min
Response: 3219255332
Conc: 1541.54 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



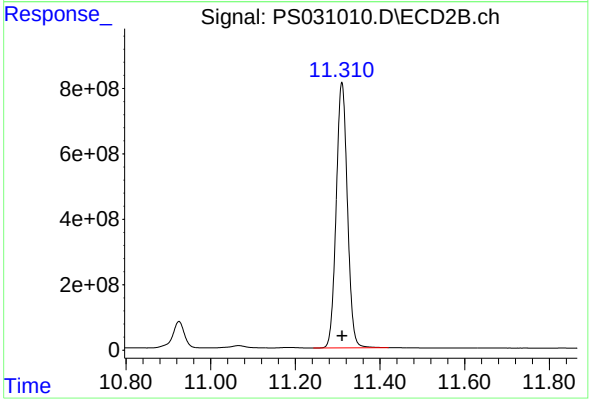
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 1559418116
Conc: 1384.86 ng/ml



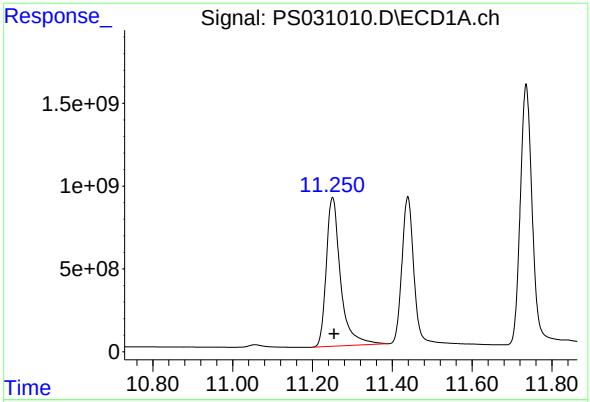
#14 DINOSEB

R.T.: 11.439 min
Delta R.T.: 0.000 min
Response: 18156696343
Conc: 1415.50 ng/ml



#14 DINOSEB

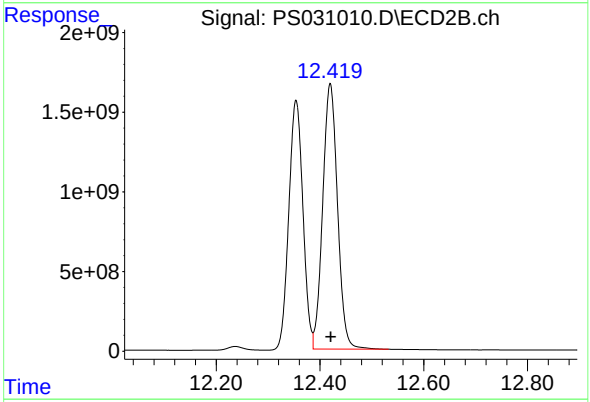
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 14885552877
Conc: 1363.32 ng/ml



#15 Picloram

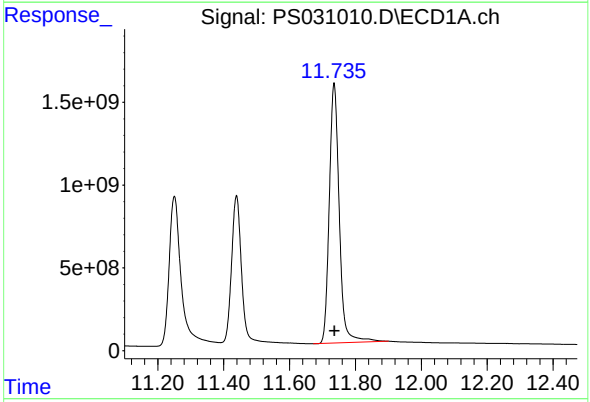
R.T.: 11.250 min
Delta R.T.: -0.003 min
Response: 22338978166
Conc: 1560.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



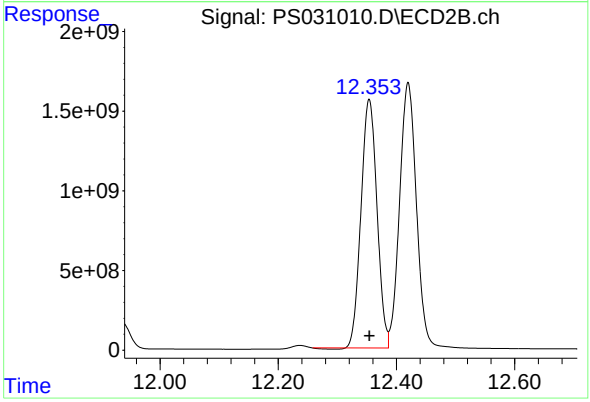
#15 Picloram

R.T.: 12.420 min
Delta R.T.: -0.001 min
Response: 32971484278
Conc: 1414.18 ng/ml



#16 DCPA

R.T.: 11.735 min
Delta R.T.: 0.000 min
Response: 32997699560
Conc: 1411.65 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 29245939915
Conc: 1333.23 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 16:07
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: Jul 15 01:30:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.333	7.764	2700.6E6	675.7E6	682.813	652.246
	Target Compounds						
1) T	Dalapon	2.691	2.697	3778.7E6	1612.4E6	620.303	567.184
2) T	3,5-DICHL...	6.493	6.710	3294.1E6	870.5E6	628.822	561.487
3) T	4-Nitroph...	7.133	7.296	947.7E6	997.5E6	702.009	572.016
5) T	DICAMBA	7.523	7.966	9974.7E6	3745.1E6	635.698	578.263
6) T	MCPP	7.703	8.064	583.6E6	118.1E6	63.422	55.229
7) T	MCPA	7.854	8.313	696.6E6	176.4E6	63.865	55.020
8) T	DICHLORPROP	8.235	8.686	2240.5E6	874.6E6	657.971	575.650
9) T	2,4-D	8.468	9.022	2261.8E6	987.2E6	734.729	580.861
10) T	Pentachlo...	8.774	9.546	34549.5E6	23569.1E6	687.394	611.628
11) T	2,4,5-TP ...	9.354	9.927	13023.7E6	8799.1E6	699.794	599.568
12) T	2,4,5-T	9.649	10.354	11618.4E6	8416.4E6	763.702	601.520
13) T	2,4-DB	10.226	10.921	1775.3E6	694.0E6	817.791	586.516 #
14) T	DINOSEB	11.441	11.306	9400.8E6	6670.2E6	713.051	587.601
15) T	Picloram	11.254	12.416	12319.6E6	15013.7E6	845.431	639.406
16) T	DCPA	11.738	12.350	17464.4E6	13742.6E6	729.595	609.376

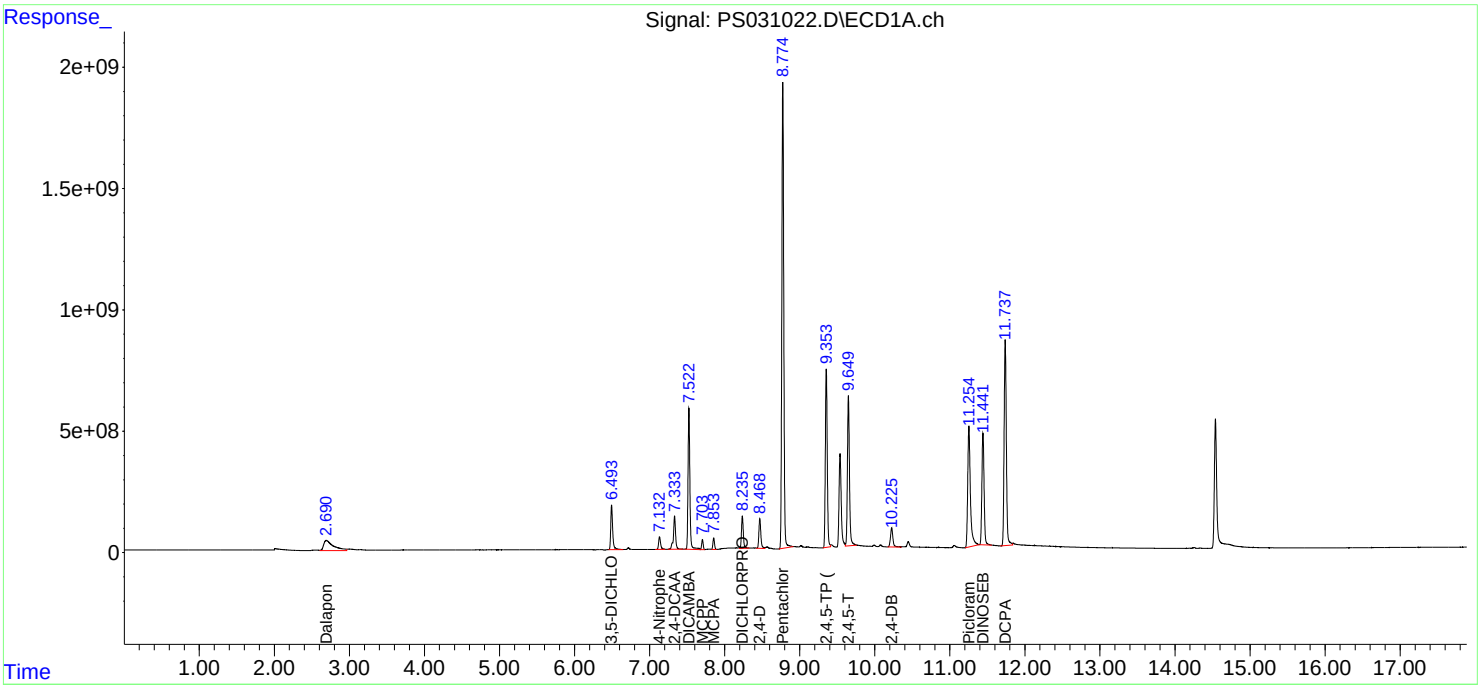
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

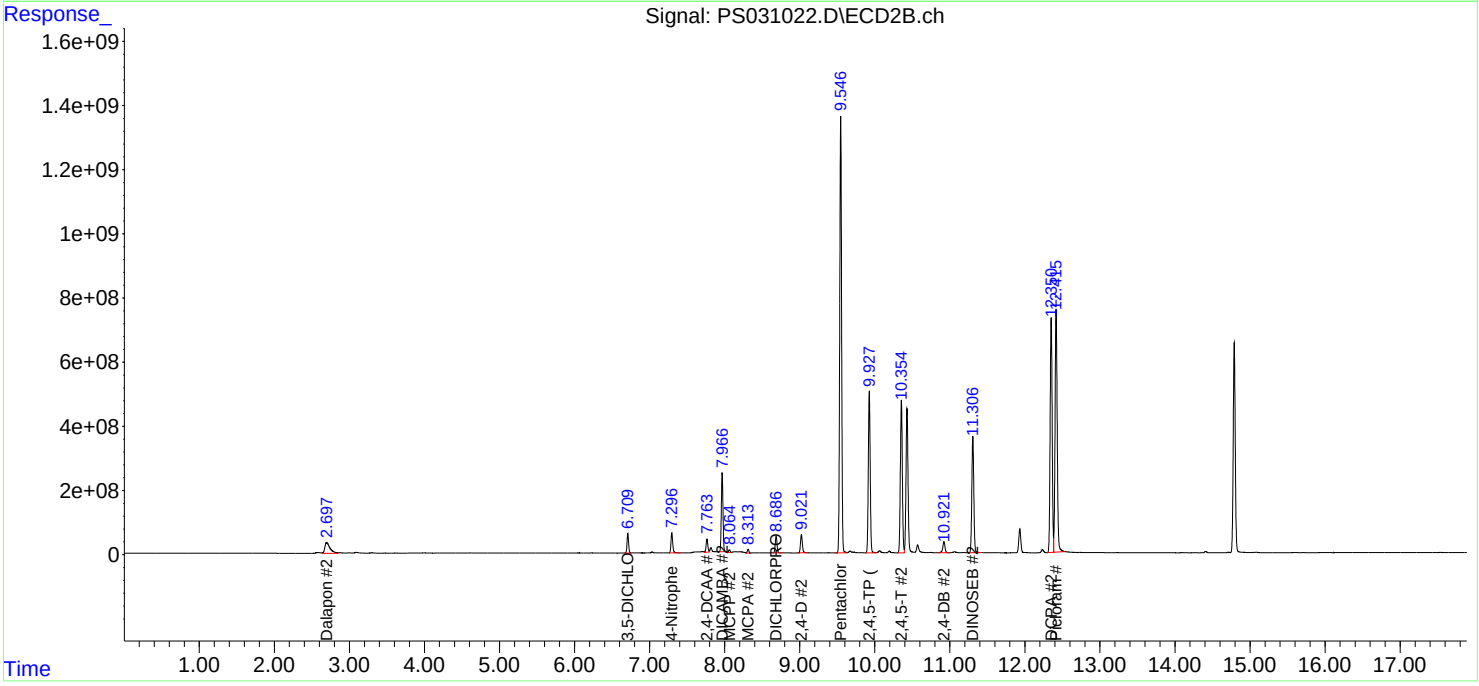
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 16:07
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

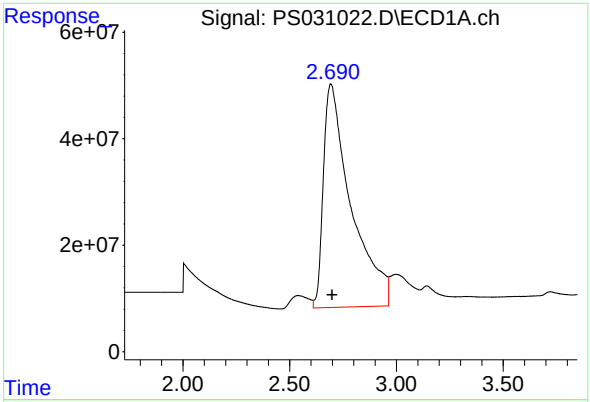
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:30:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



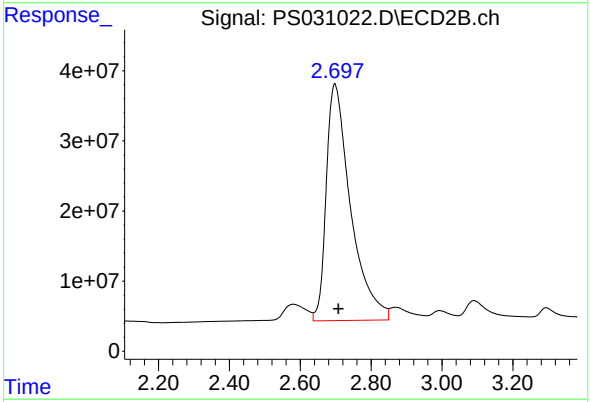




#1 Dalapon

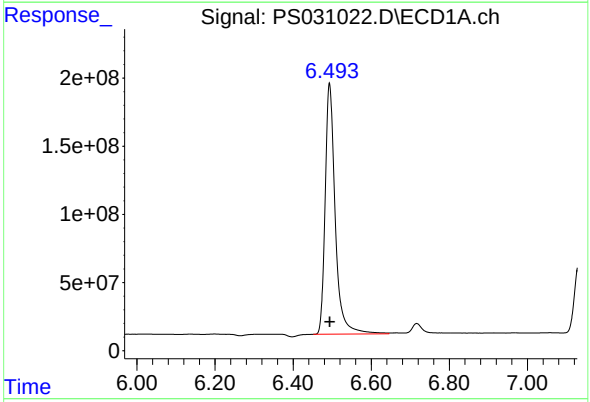
R.T.: 2.691 min
Delta R.T.: -0.007 min
Response: 3778715241
Conc: 620.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



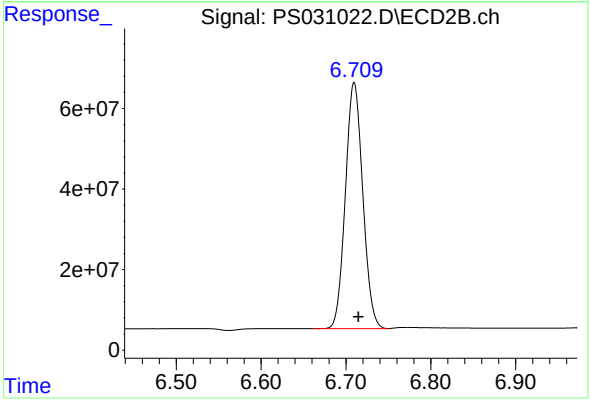
#1 Dalapon

R.T.: 2.697 min
Delta R.T.: -0.011 min
Response: 1612423315
Conc: 567.18 ng/ml



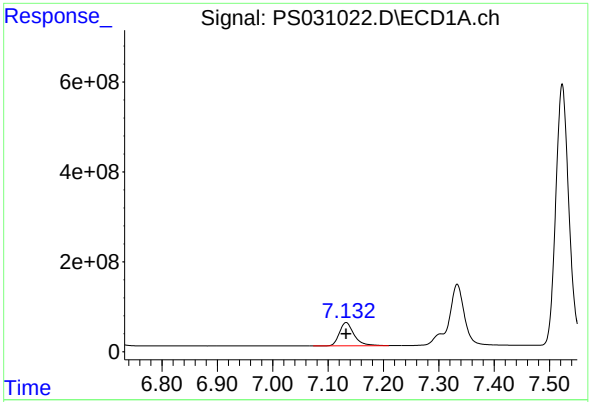
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 3294145456
Conc: 628.82 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

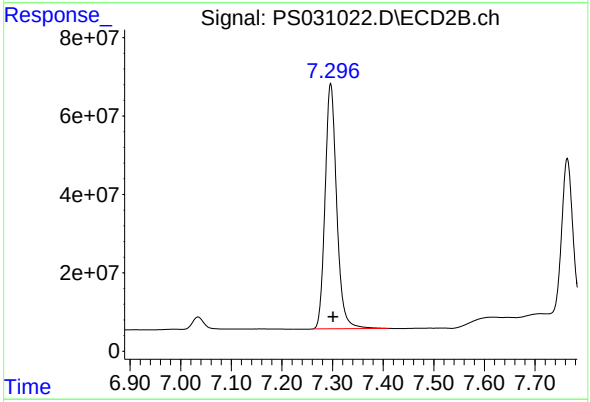
R.T.: 6.710 min
Delta R.T.: -0.005 min
Response: 870495021
Conc: 561.49 ng/ml



#3 4-Nitrophenol

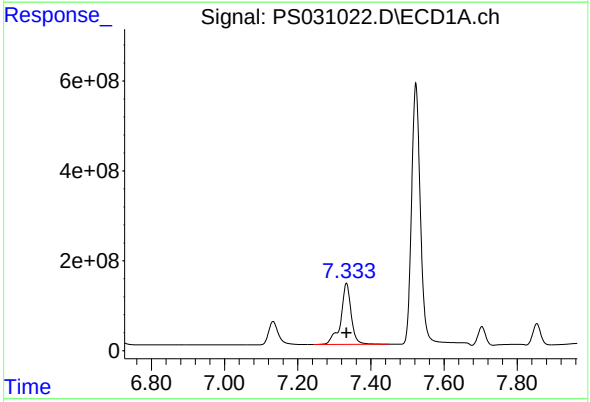
R.T.: 7.133 min
Delta R.T.: 0.000 min
Response: 947717832
Conc: 702.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



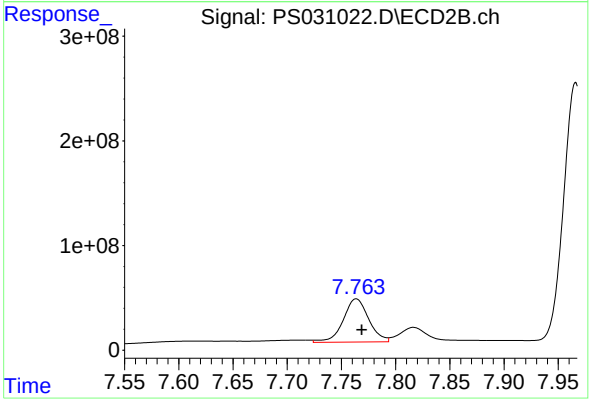
#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: -0.005 min
Response: 997531964
Conc: 572.02 ng/ml



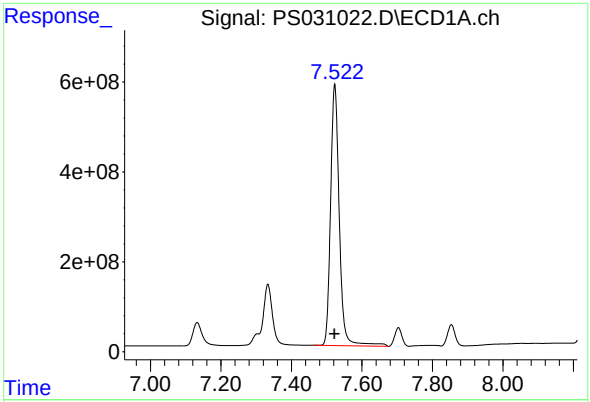
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 2700575905
Conc: 682.81 ng/ml



#4 2,4-DCAA

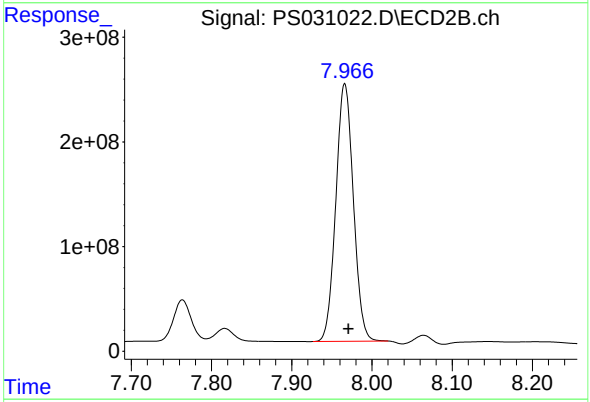
R.T.: 7.764 min
Delta R.T.: -0.005 min
Response: 675747784
Conc: 652.25 ng/ml



#5 DICAMBA

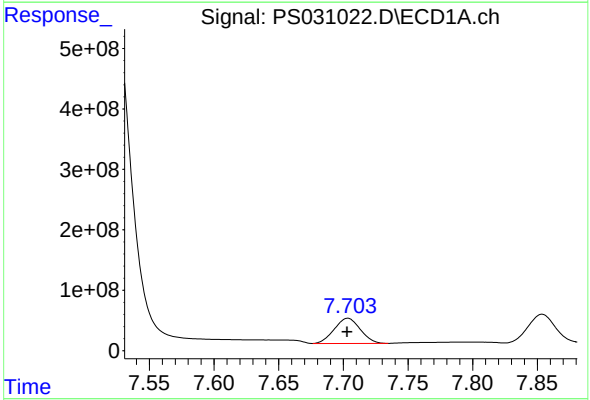
R.T.: 7.523 min
Delta R.T.: 0.000 min
Response: 9974675931
Conc: 635.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



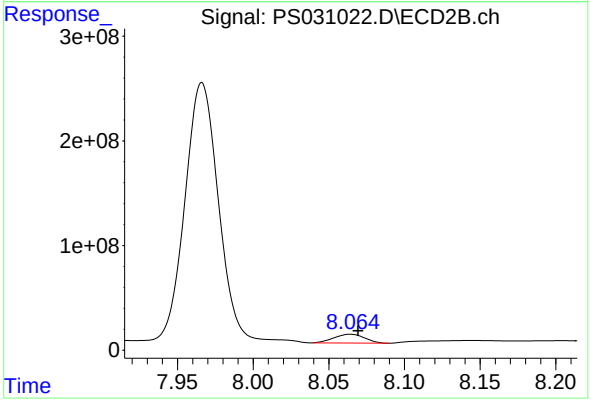
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.004 min
Response: 3745074320
Conc: 578.26 ng/ml



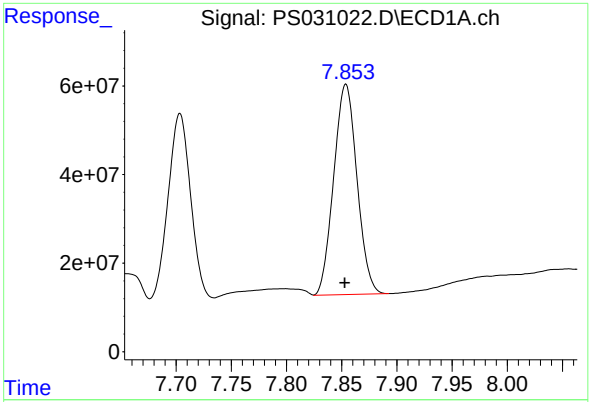
#6 MCPP

R.T.: 7.703 min
Delta R.T.: 0.000 min
Response: 583559469
Conc: 63.42 ug/ml



#6 MCPP

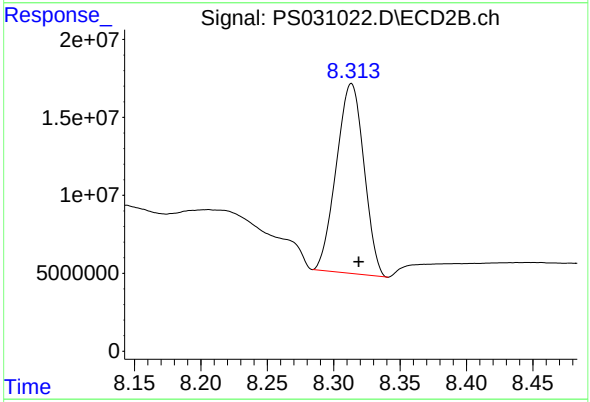
R.T.: 8.064 min
Delta R.T.: -0.005 min
Response: 118076428
Conc: 55.23 ug/ml



#7 MCPA

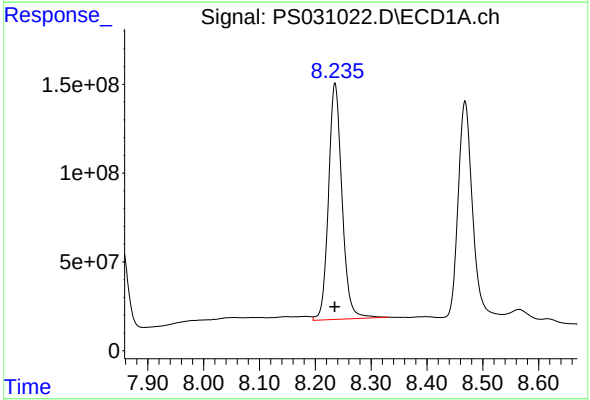
R.T.: 7.854 min
Delta R.T.: 0.001 min
Response: 696557394
Conc: 63.86 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



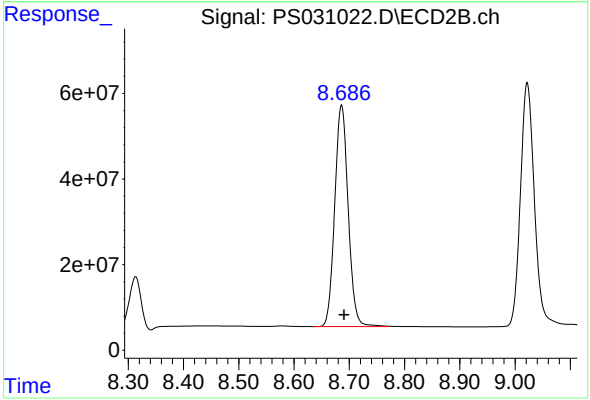
#7 MCPA

R.T.: 8.313 min
Delta R.T.: -0.005 min
Response: 176377004
Conc: 55.02 ug/ml



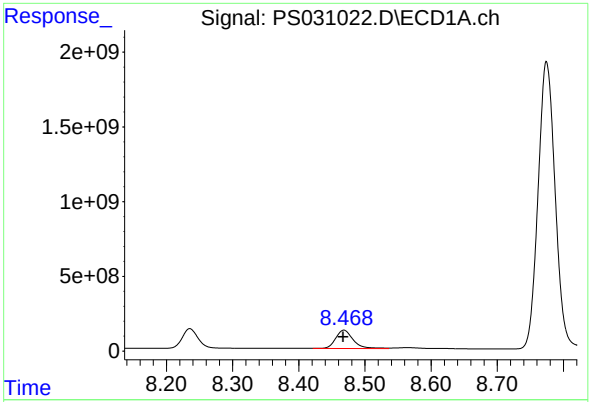
#8 DICHLORPROP

R.T.: 8.235 min
Delta R.T.: 0.000 min
Response: 2240494216
Conc: 657.97 ng/ml



#8 DICHLORPROP

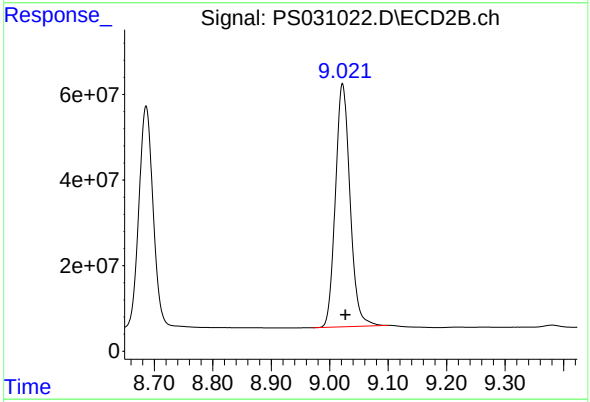
R.T.: 8.686 min
Delta R.T.: -0.005 min
Response: 874562032
Conc: 575.65 ng/ml



#9 2,4-D

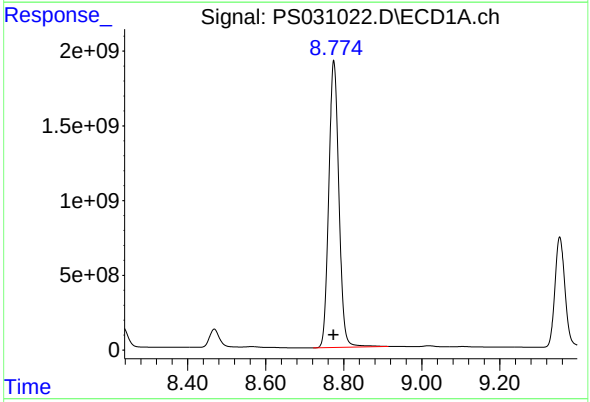
R.T.: 8.468 min
Delta R.T.: 0.001 min
Response: 2261815786
Conc: 734.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



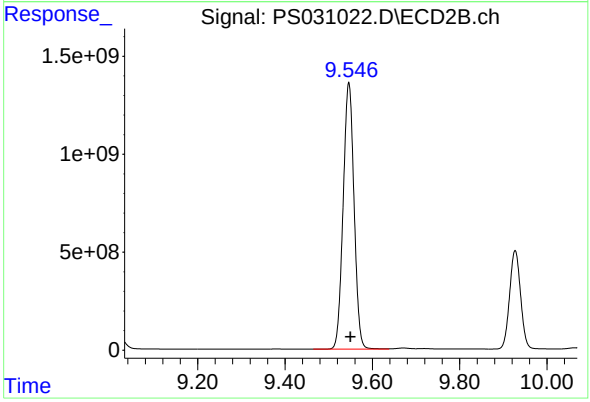
#9 2,4-D

R.T.: 9.022 min
Delta R.T.: -0.005 min
Response: 987153119
Conc: 580.86 ng/ml



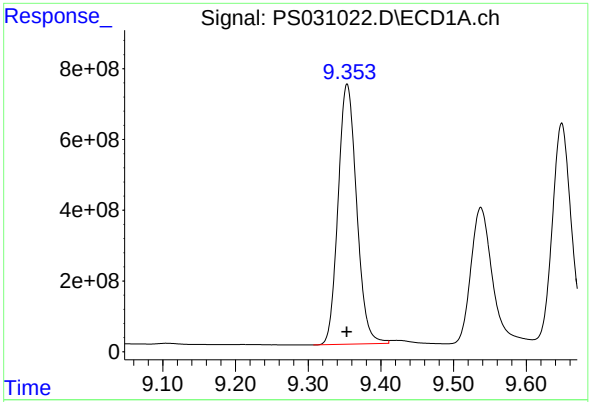
#10 Pentachlorophenol

R.T.: 8.774 min
Delta R.T.: 0.001 min
Response: 34549475442
Conc: 687.39 ng/ml



#10 Pentachlorophenol

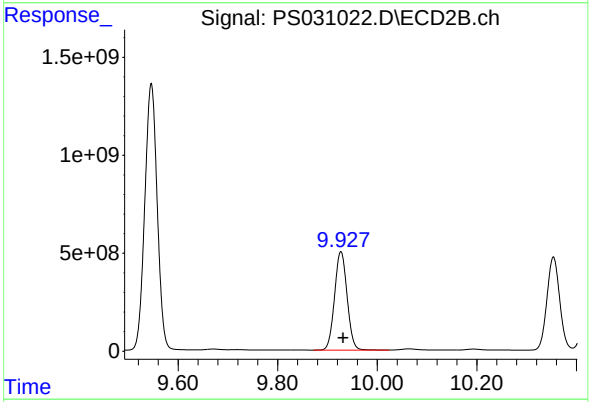
R.T.: 9.546 min
Delta R.T.: -0.004 min
Response: 23569120697
Conc: 611.63 ng/ml



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

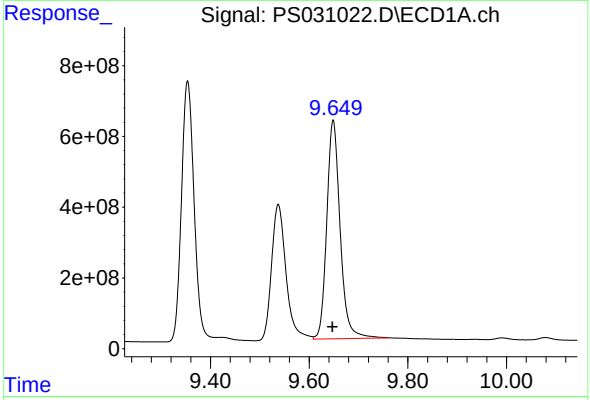
R.T.: 9.354 min
Delta R.T.: 0.000 min
Response: 13023678210
Conc: 699.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



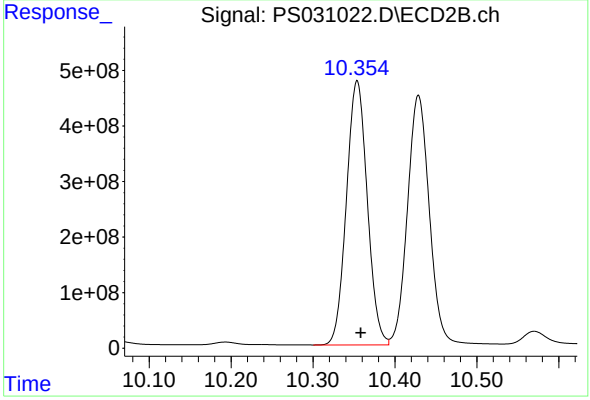
#11 2,4,5-TP (SILVEX)

R.T.: 9.927 min
Delta R.T.: -0.005 min
Response: 8799118292
Conc: 599.57 ng/ml



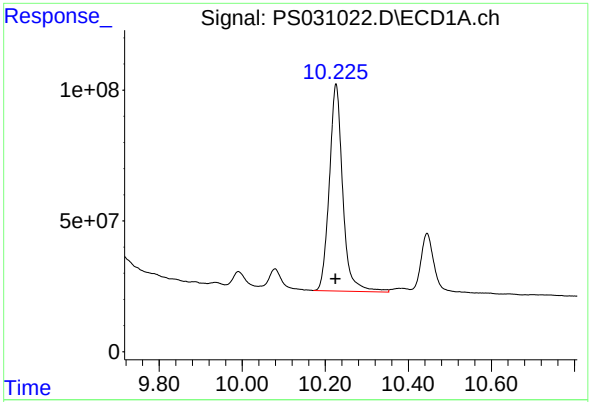
#12 2,4,5-T

R.T.: 9.649 min
Delta R.T.: 0.002 min
Response: 11618446976
Conc: 763.70 ng/ml



#12 2,4,5-T

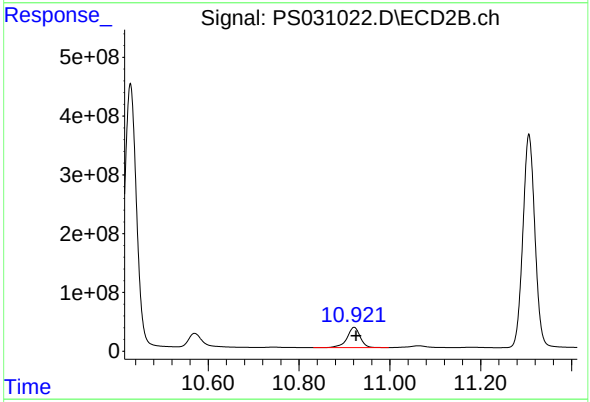
R.T.: 10.354 min
Delta R.T.: -0.005 min
Response: 8416355293
Conc: 601.52 ng/ml



#13 2,4-DB

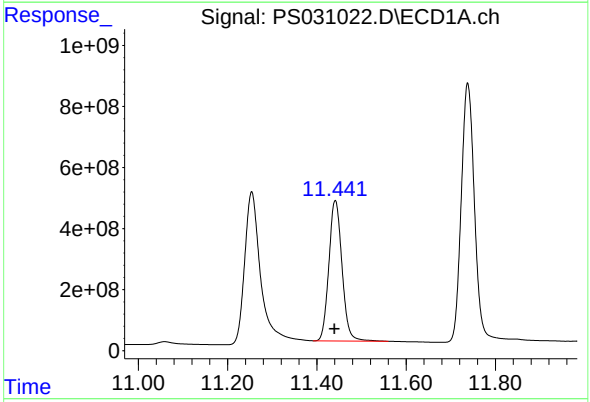
R.T.: 10.226 min
Delta R.T.: 0.000 min
Response: 1775252287
Conc: 817.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



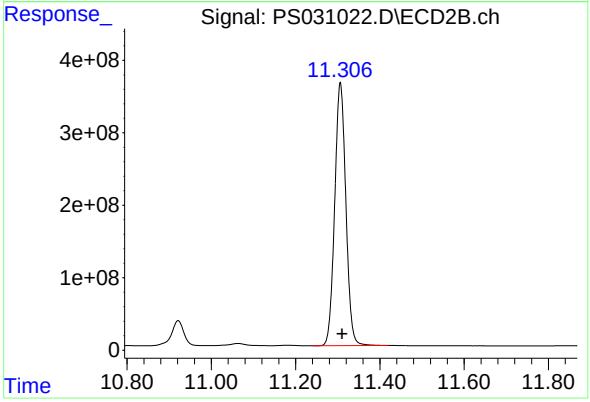
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.005 min
Response: 693954923
Conc: 586.52 ng/ml



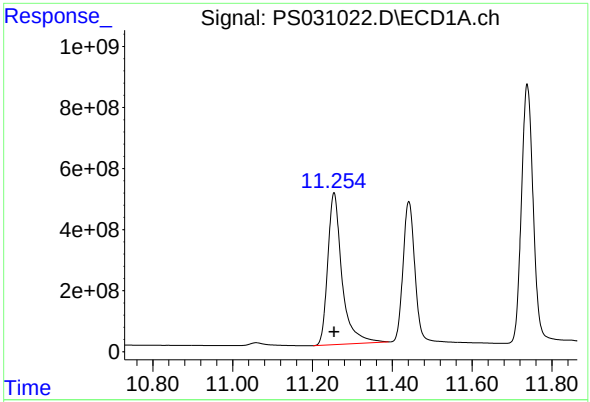
#14 DINOSEB

R.T.: 11.441 min
Delta R.T.: 0.002 min
Response: 9400789304
Conc: 713.05 ng/ml



#14 DINOSEB

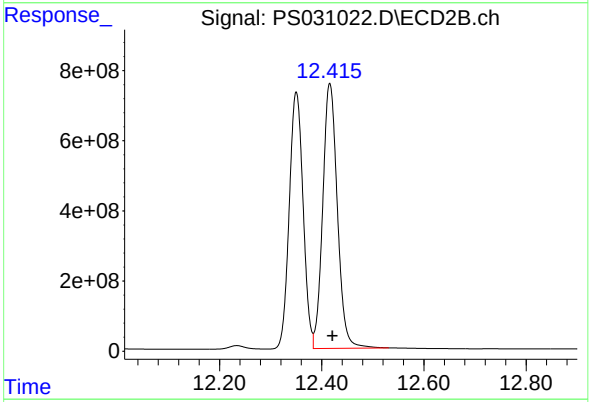
R.T.: 11.306 min
Delta R.T.: -0.004 min
Response: 6670163651
Conc: 587.60 ng/ml



#15 Picloram

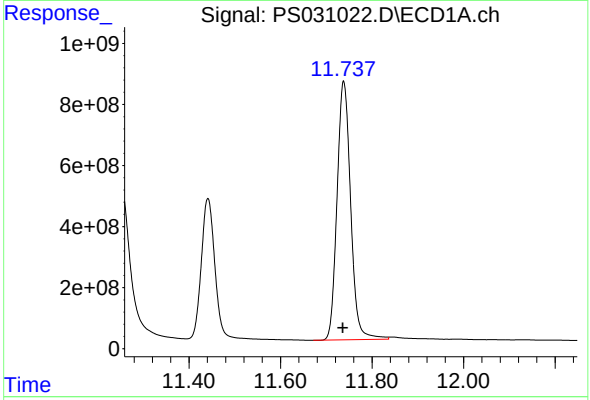
R.T.: 11.254 min
Delta R.T.: 0.000 min
Response: 12319571635
Conc: 845.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



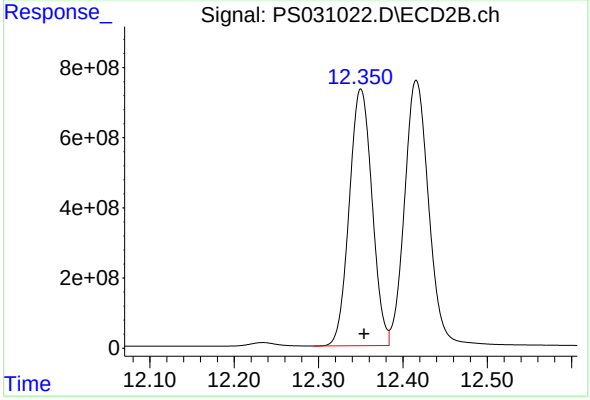
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.005 min
Response: 15013669111
Conc: 639.41 ng/ml



#16 DCPA

R.T.: 11.738 min
Delta R.T.: 0.002 min
Response: 17464445412
Conc: 729.60 ng/ml



#16 DCPA

R.T.: 12.350 min
Delta R.T.: -0.004 min
Response: 13742643283
Conc: 609.38 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:56
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: Jul 15 01:31:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.330	7.767	2764.0E6	656.8E6	698.839	633.978
	Target Compounds						
1) T	Dalapon	2.697	2.706	3661.8E6	1658.0E6	601.110	583.218
2) T	3,5-DICHL...	6.491	6.714	3360.9E6	909.6E6	641.556	586.725
3) T	4-Nitroph...	7.130	7.300	982.6E6	1038.9E6	727.830	595.749
5) T	DICAMBA	7.520	7.970	10201.6E6	3952.8E6	650.163	610.343
6) T	MCPP	7.701	8.068	609.3E6	132.5E6	66.223	61.999
7) T	MCPA	7.850	8.317	750.6E6	194.3E6	68.820	60.615
8) T	DICHLORPROP	8.232	8.689	2247.1E6	912.9E6	659.921	600.901
9) T	2,4-D	8.464	9.025	2241.6E6	1030.3E6	728.151	606.234
10) T	Pentachlo...	8.771	9.549	35501.4E6	24693.5E6	706.332	640.807
11) T	2,4,5-TP ...	9.350	9.930	13400.0E6	9188.6E6	720.013	626.105
12) T	2,4,5-T	9.645	10.357	12076.6E6	8792.8E6	793.816	628.428
13) T	2,4-DB	10.221	10.924	1841.6E6	728.9E6	848.362	616.044 #
14) T	DINOSEB	11.436	11.309	9487.1E6	6887.7E6	719.595	606.763
15) T	Picloram	11.248	12.419	12808.0E6	15566.5E6	878.950	662.950
16) T	DCPA	11.733	12.352	17997.6E6	14397.2E6	751.870	638.401

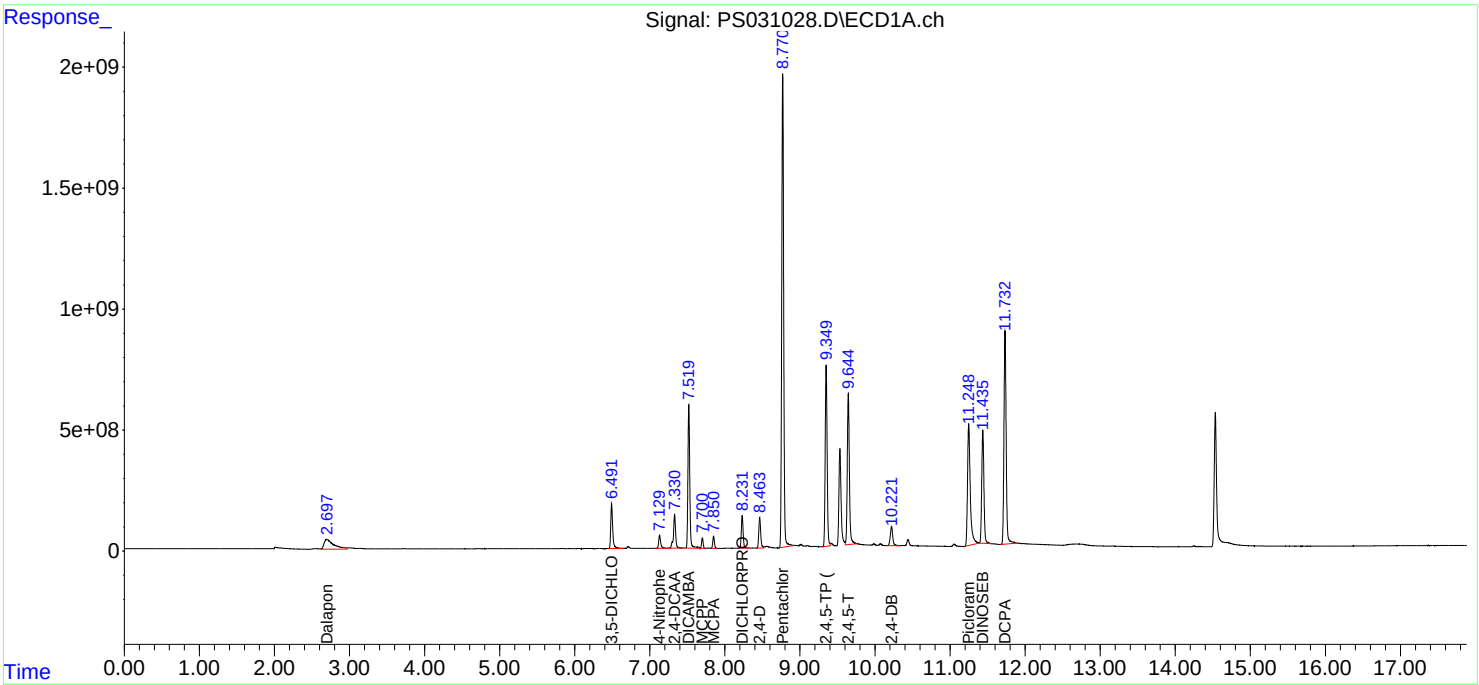
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

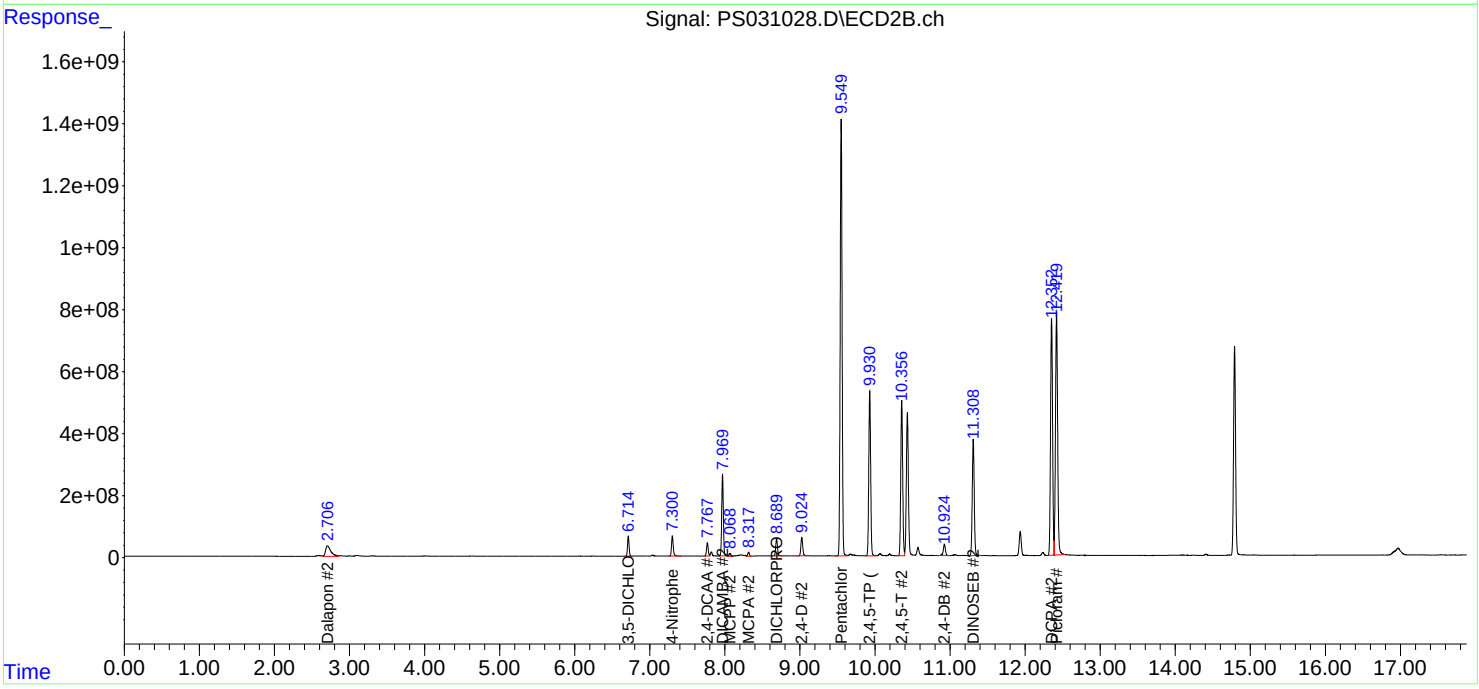
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:56
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

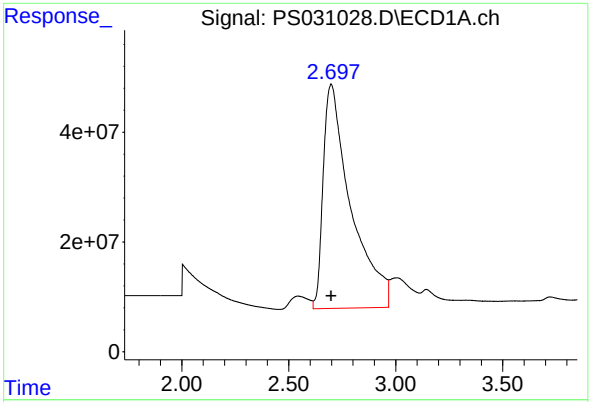
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:31:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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 0.25µm



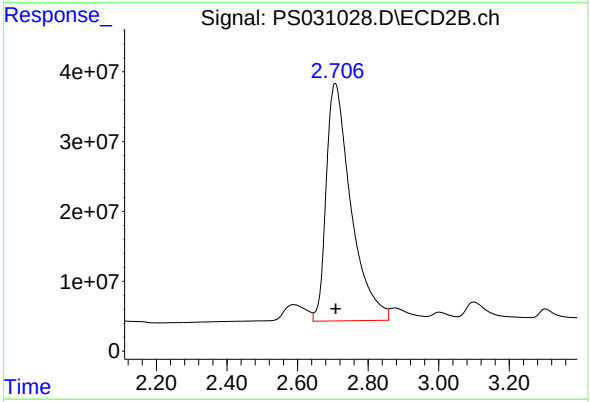




#1 Dalapon

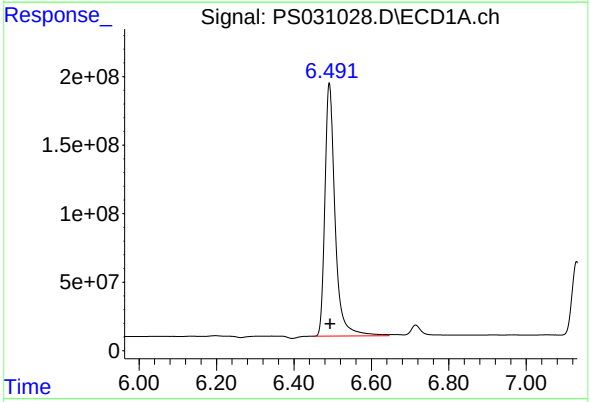
R.T.: 2.697 min
Delta R.T.: 0.000 min
Response: 3661797606
Conc: 601.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



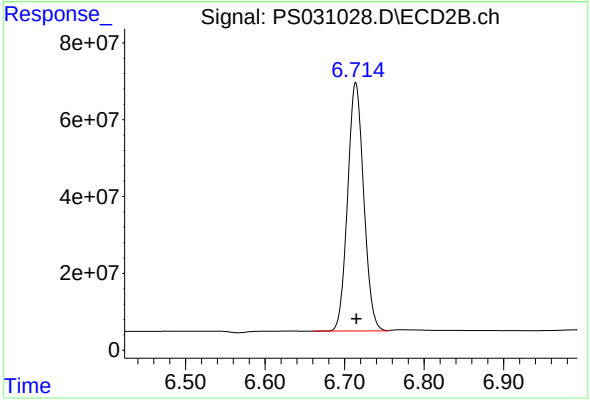
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: -0.002 min
Response: 1658007064
Conc: 583.22 ng/ml



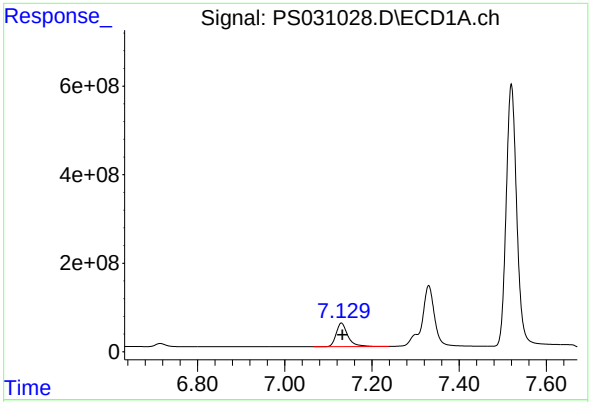
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.491 min
Delta R.T.: -0.003 min
Response: 3360854216
Conc: 641.56 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

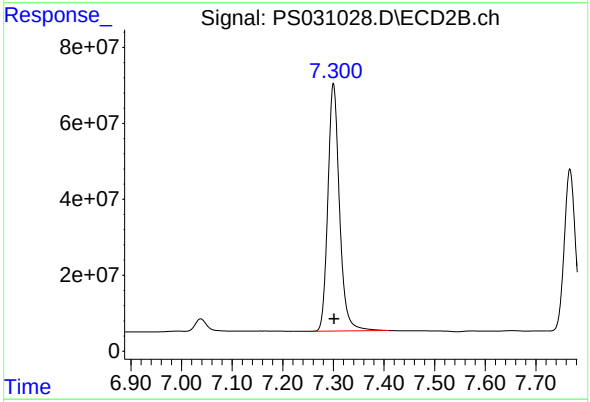
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 909621349
Conc: 586.72 ng/ml



#3 4-Nitrophenol

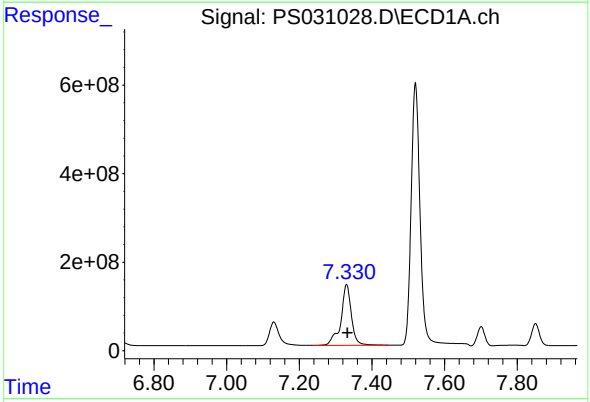
R.T.: 7.130 min
Delta R.T.: -0.002 min
Response: 982576526
Conc: 727.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



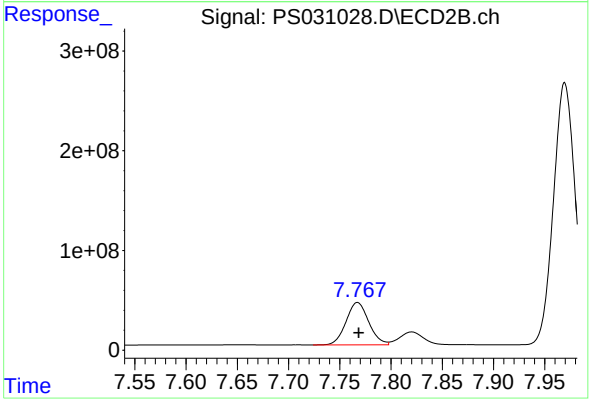
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.001 min
Response: 1038920518
Conc: 595.75 ng/ml



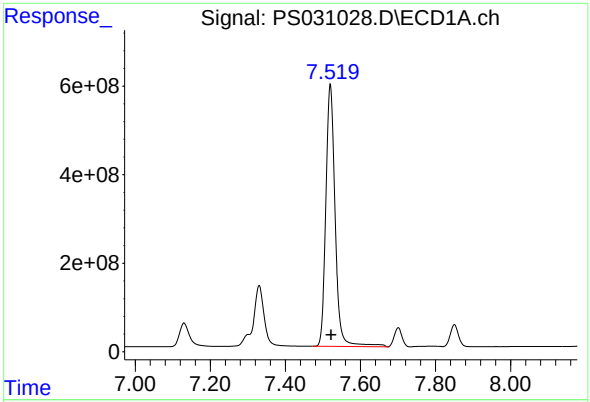
#4 2,4-DCAA

R.T.: 7.330 min
Delta R.T.: -0.003 min
Response: 2763962324
Conc: 698.84 ng/ml



#4 2,4-DCAA

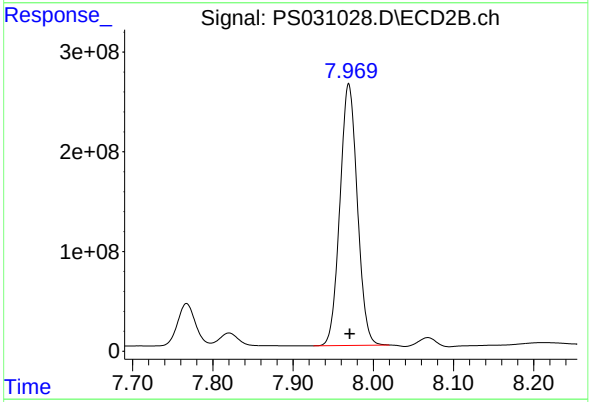
R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 656822389
Conc: 633.98 ng/ml



#5 DICAMBA

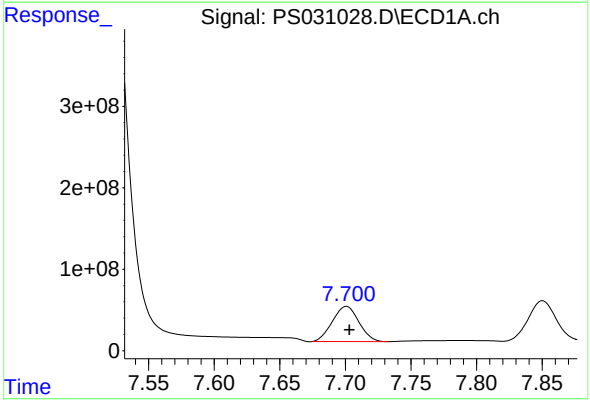
R.T.: 7.520 min
Delta R.T.: -0.003 min
Response: 10201649961
Conc: 650.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



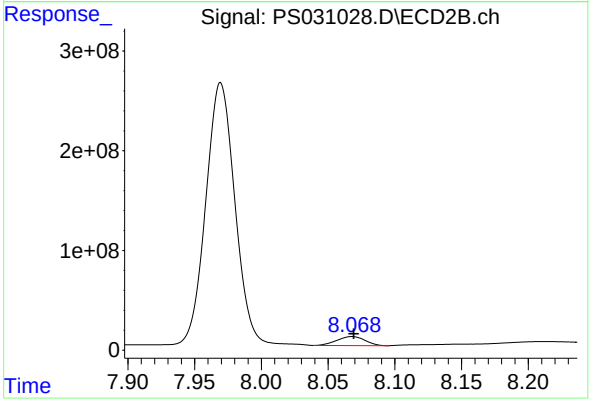
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: -0.001 min
Response: 3952840329
Conc: 610.34 ng/ml



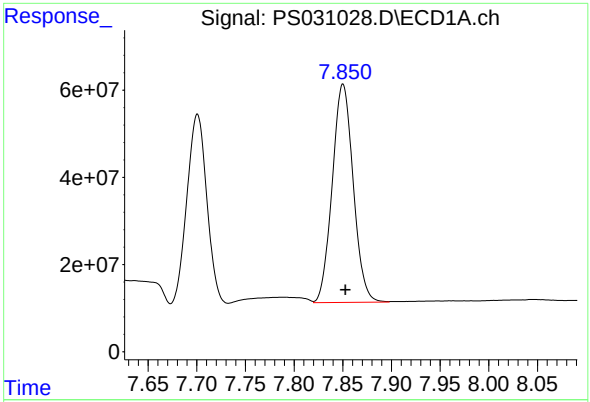
#6 MCPP

R.T.: 7.701 min
Delta R.T.: -0.002 min
Response: 609335803
Conc: 66.22 ug/ml



#6 MCPP

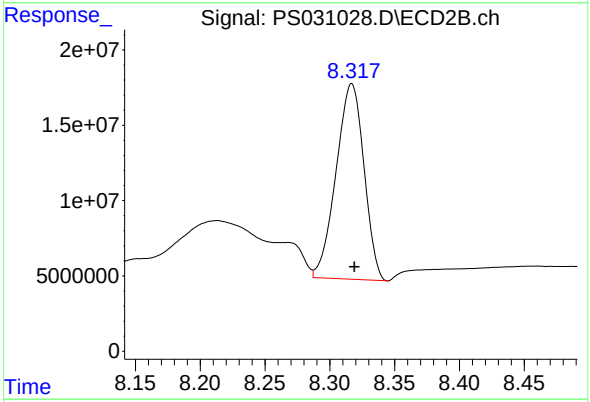
R.T.: 8.068 min
Delta R.T.: -0.001 min
Response: 132549620
Conc: 62.00 ug/ml



#7 MCPA

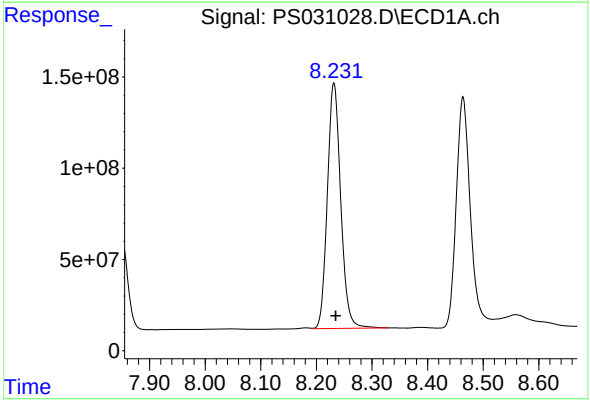
R.T.: 7.850 min
Delta R.T.: -0.003 min
Response: 750608381
Conc: 68.82 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



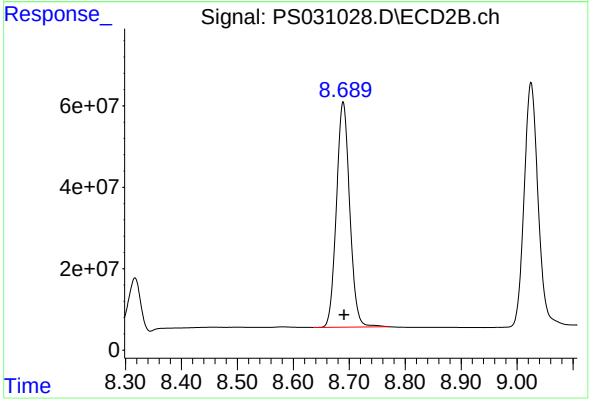
#7 MCPA

R.T.: 8.317 min
Delta R.T.: -0.002 min
Response: 194312153
Conc: 60.62 ug/ml



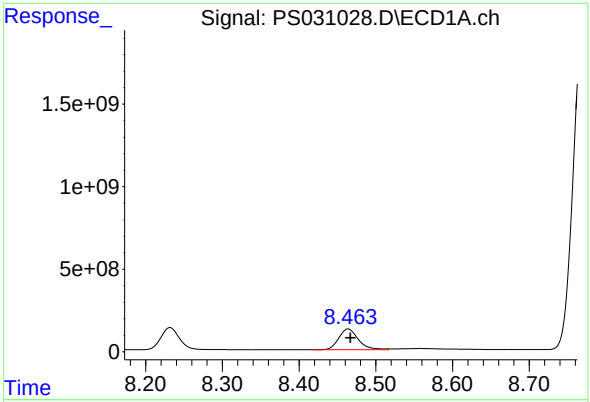
#8 DICHLORPROP

R.T.: 8.232 min
Delta R.T.: -0.003 min
Response: 2247134533
Conc: 659.92 ng/ml



#8 DICHLORPROP

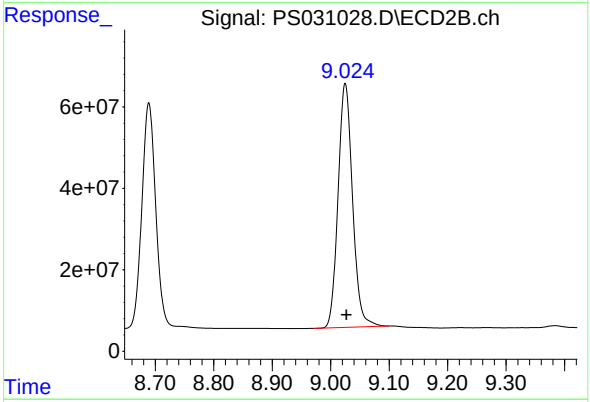
R.T.: 8.689 min
Delta R.T.: -0.001 min
Response: 912925360
Conc: 600.90 ng/ml



#9 2,4-D

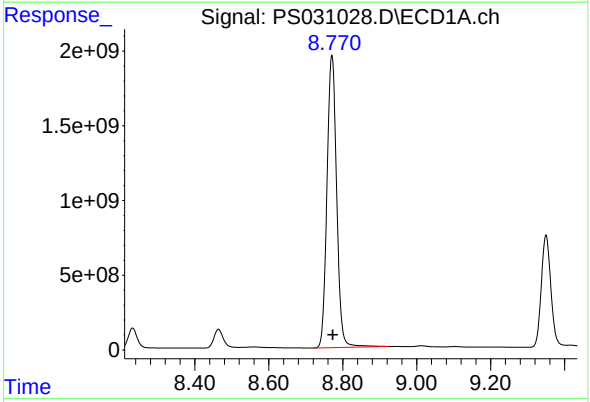
R.T.: 8.464 min
Delta R.T.: -0.003 min
Response: 2241566132
Conc: 728.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



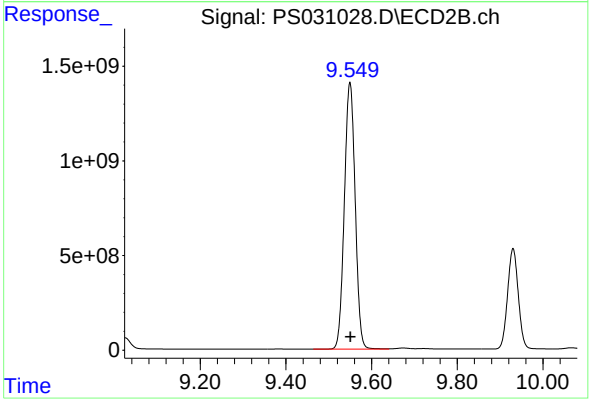
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: -0.002 min
Response: 1030273733
Conc: 606.23 ng/ml



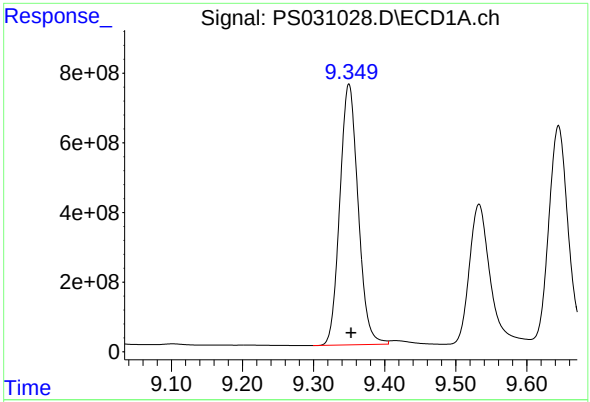
#10 Pentachlorophenol

R.T.: 8.771 min
Delta R.T.: -0.003 min
Response: 35501350793
Conc: 706.33 ng/ml



#10 Pentachlorophenol

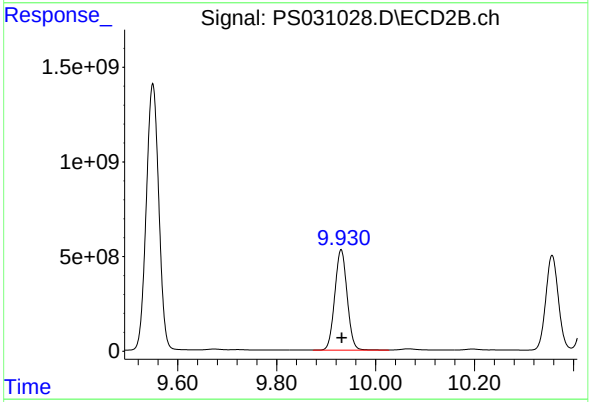
R.T.: 9.549 min
Delta R.T.: 0.000 min
Response: 24693540371
Conc: 640.81 ng/ml



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

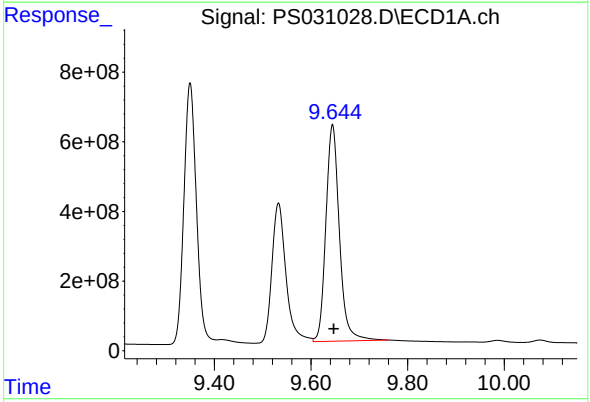
R.T.: 9.350 min
Delta R.T.: -0.003 min
Response: 13399967332
Conc: 720.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



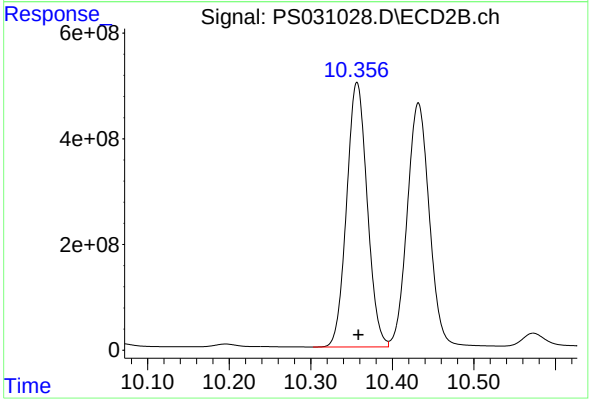
#11 2,4,5-TP (SILVEX)

R.T.: 9.930 min
Delta R.T.: -0.001 min
Response: 9188579347
Conc: 626.11 ng/ml



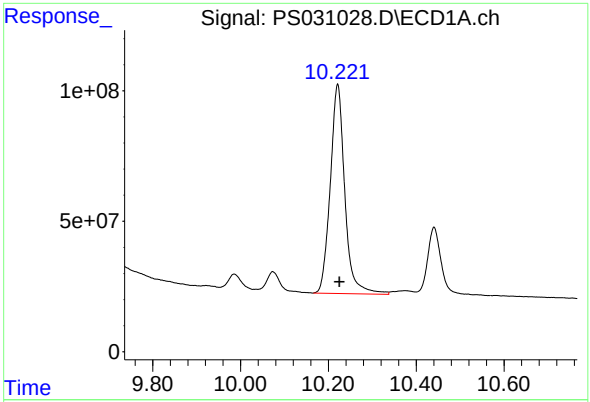
#12 2,4,5-T

R.T.: 9.645 min
Delta R.T.: -0.002 min
Response: 12076573010
Conc: 793.82 ng/ml



#12 2,4,5-T

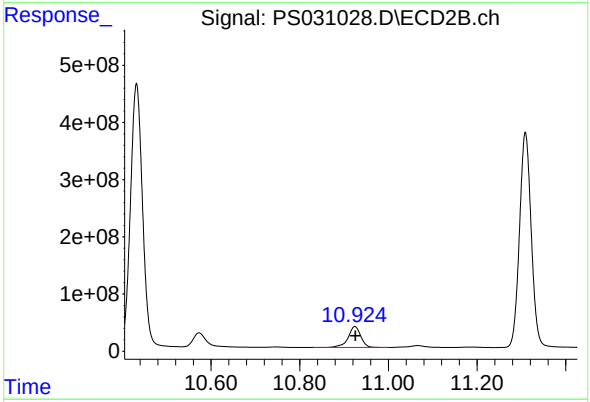
R.T.: 10.357 min
Delta R.T.: -0.002 min
Response: 8792845555
Conc: 628.43 ng/ml



#13 2,4-DB

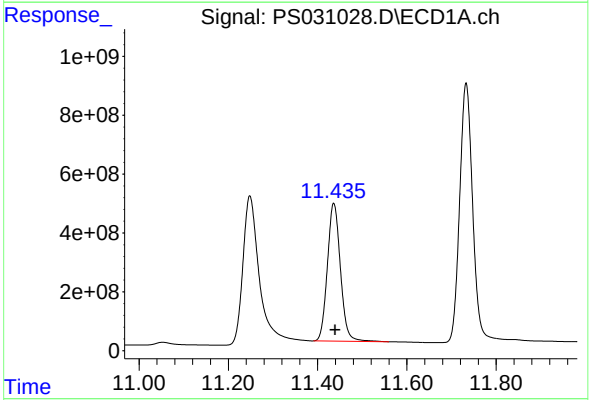
R.T.: 10.221 min
Delta R.T.: -0.004 min
Response: 1841615355
Conc: 848.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



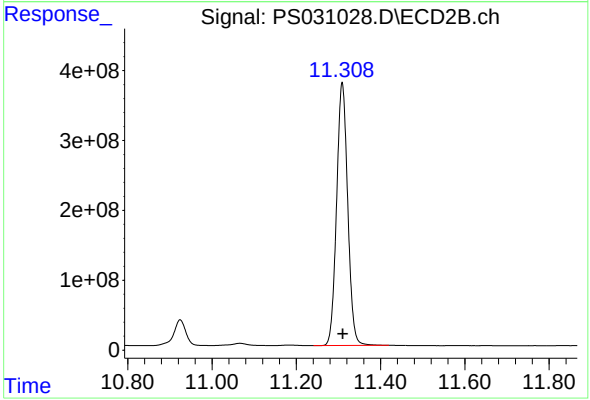
#13 2,4-DB

R.T.: 10.924 min
Delta R.T.: -0.002 min
Response: 728891777
Conc: 616.04 ng/ml



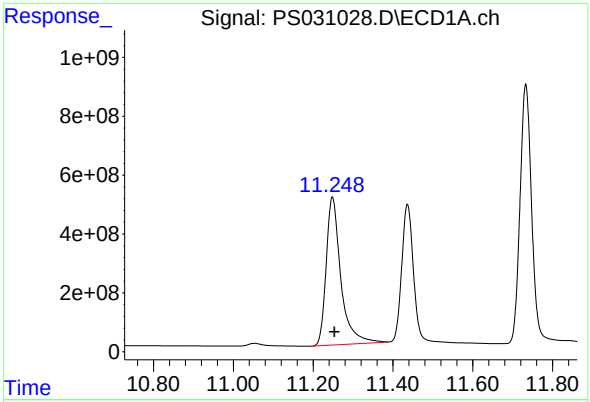
#14 DINOSEB

R.T.: 11.436 min
Delta R.T.: -0.003 min
Response: 9487065088
Conc: 719.59 ng/ml



#14 DINOSEB

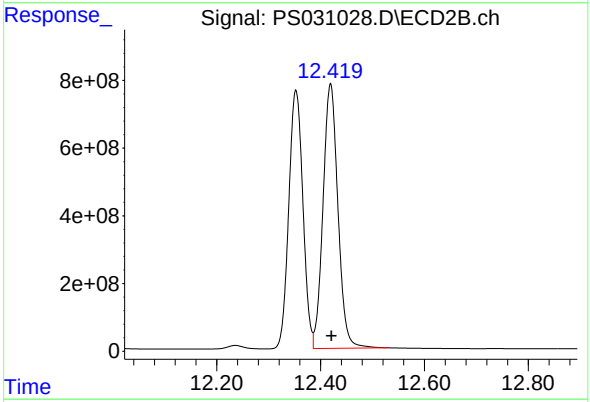
R.T.: 11.309 min
Delta R.T.: -0.002 min
Response: 6887677606
Conc: 606.76 ng/ml



#15 Picloram

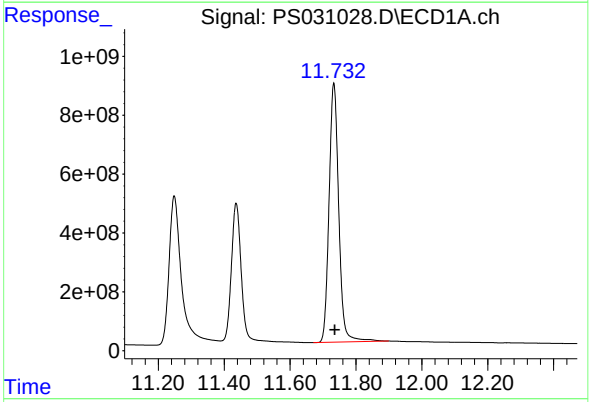
R.T.: 11.248 min
Delta R.T.: -0.005 min
Response: 12808011946
Conc: 878.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



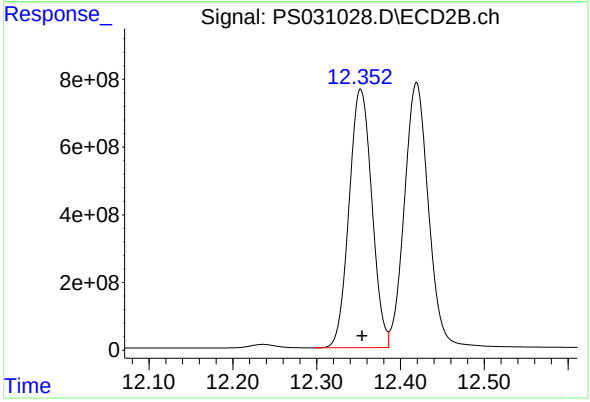
#15 Picloram

R.T.: 12.419 min
Delta R.T.: -0.002 min
Response: 15566514189
Conc: 662.95 ng/ml



#16 DCPA

R.T.: 11.733 min
Delta R.T.: -0.003 min
Response: 17997637745
Conc: 751.87 ng/ml



#16 DCPA

R.T.: 12.352 min
Delta R.T.: -0.002 min
Response: 14397220168
Conc: 638.40 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 20:58
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: Jul 18 23:22:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.325	7.766	2841.8E6	689.0E6	718.522	665.076
	Target Compounds						
1) T	Dalapon	2.692	2.703	3543.5E6	1687.2E6	581.691	593.474
2) T	3,5-DICHL...	6.487	6.713	3575.6E6	939.1E6	682.551	605.738
3) T	4-Nitroph...	7.124	7.299	1135.6E6	1078.3E6	841.175	618.342 #
5) T	DICAMBA	7.514	7.968	9834.0E6	4096.8E6	626.733	632.566
6) T	MCPP	7.695	8.067	560.2E6	128.9E6	60.878	60.279
7) T	MCPA	7.845	8.316	813.5E6	196.6E6	74.590	61.324
8) T	DICHLORPROP	8.225	8.688	2567.9E6	1012.4E6	754.123	666.354
9) T	2,4-D	8.458	9.024	2683.8E6	1170.9E6	871.797	689.001
10) T	Pentachlo...	8.764	9.547	33681.1E6	26009.9E6	670.117	674.967
11) T	2,4,5-TP ...	9.342	9.928	14711.2E6	9789.3E6	790.467	667.037
12) T	2,4,5-T	9.636	10.355	13511.4E6	9071.2E6	888.127	648.322 #
13) T	2,4-DB	10.214	10.923	1921.6E6	740.0E6	885.198	625.441 #
14) T	DINOSEB	11.428	11.307	9831.3E6	7116.9E6	745.704	626.959
15) T	Picloram	11.238	12.417	14517.7E6	16245.2E6	996.279	691.855 #
16) T	DCPA	11.725	12.351	19111.8E6	14735.6E6	798.414	653.407

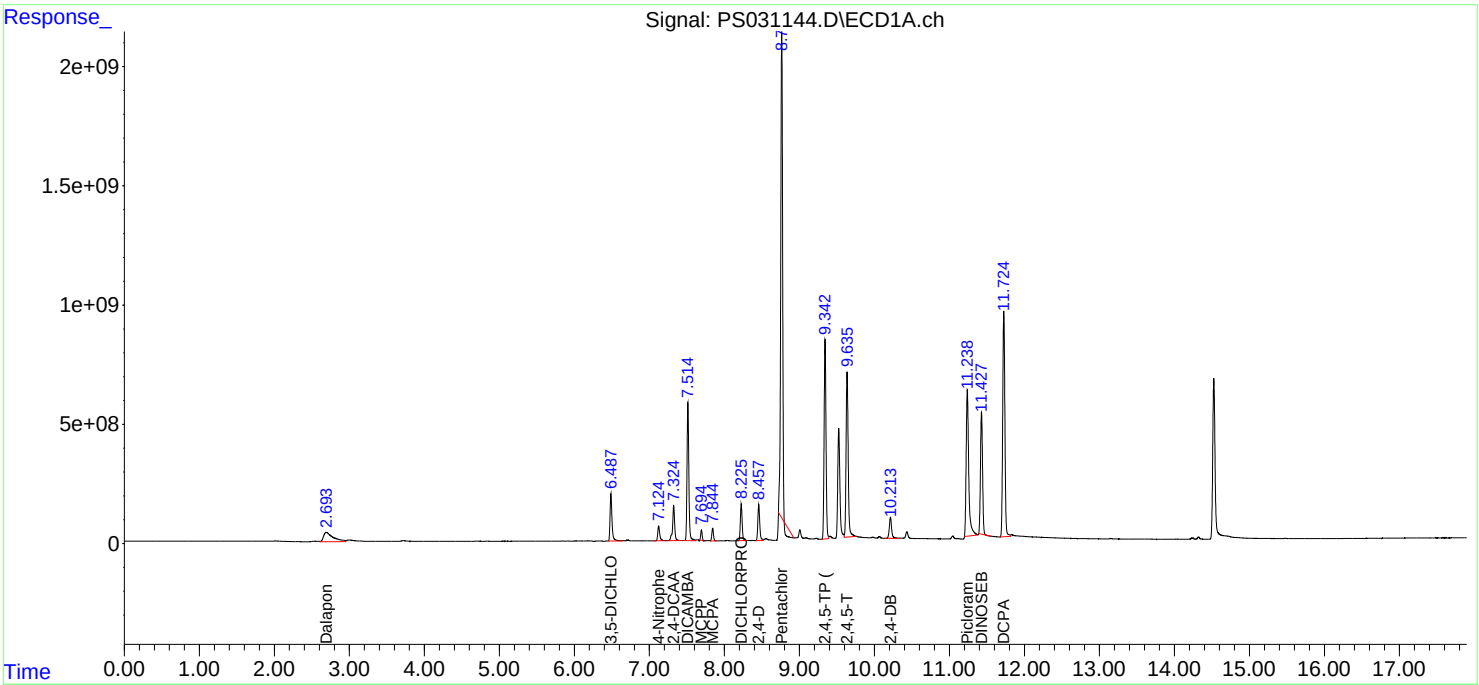
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

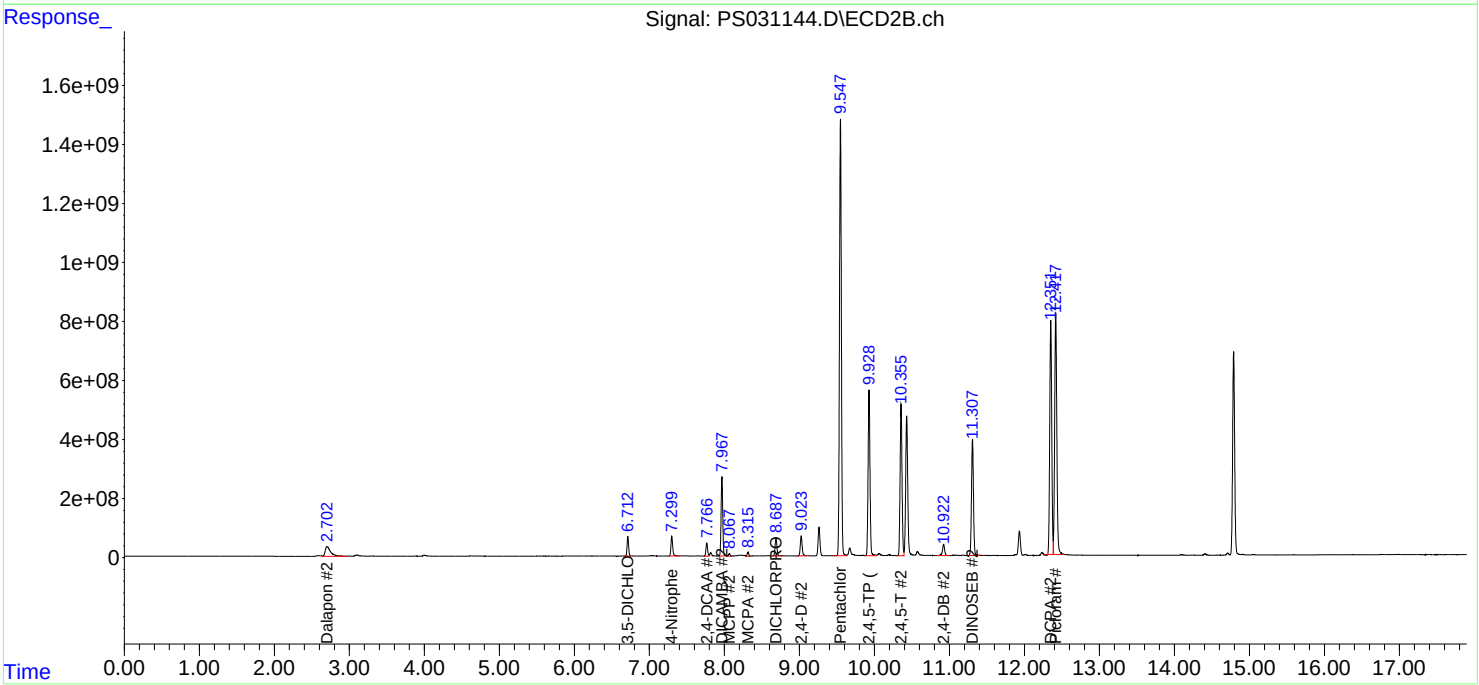
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 20:58
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

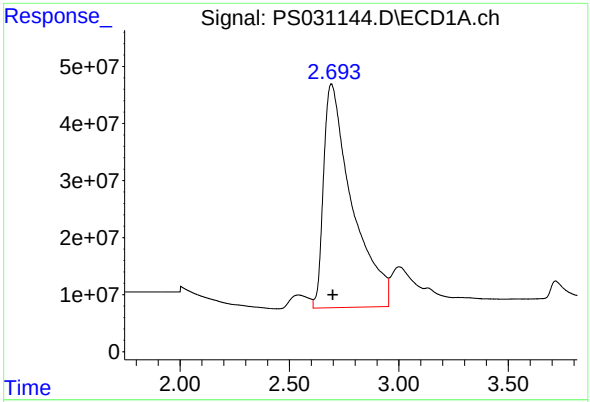
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:22:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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 0.25µm



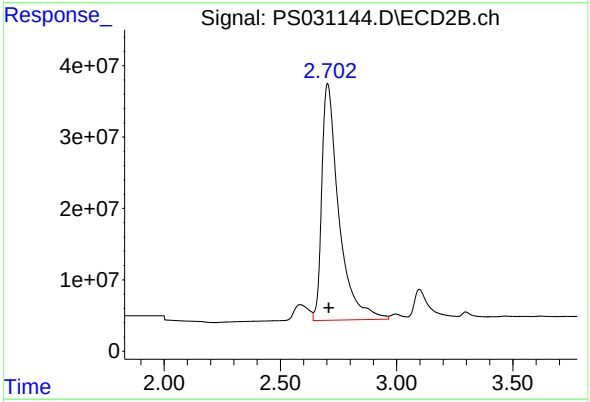




#1 Dalapon

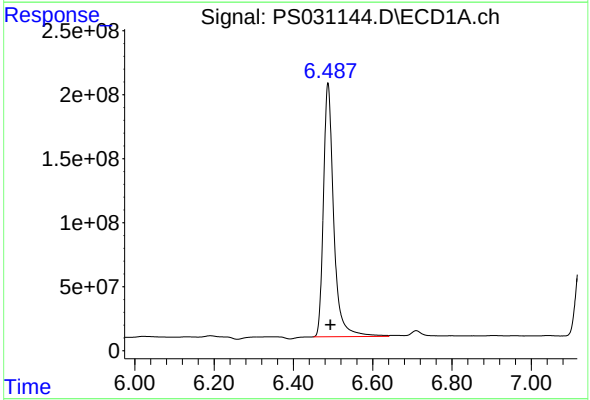
R.T.: 2.692 min
Delta R.T.: -0.006 min
Response: 3543499772
Conc: 581.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



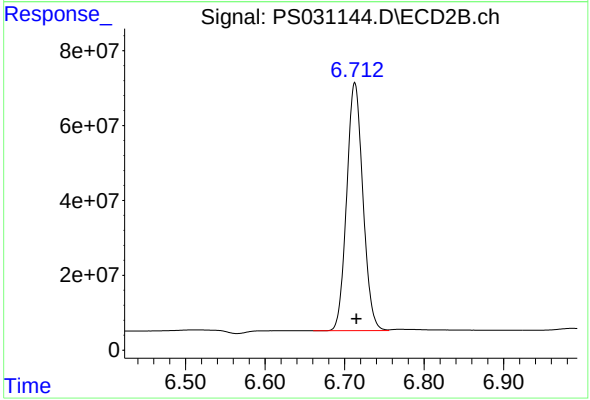
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: -0.006 min
Response: 1687163865
Conc: 593.47 ng/ml



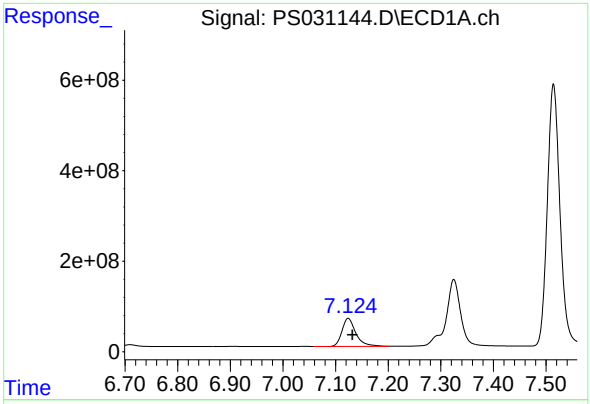
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: -0.007 min
Response: 3575612302
Conc: 682.55 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

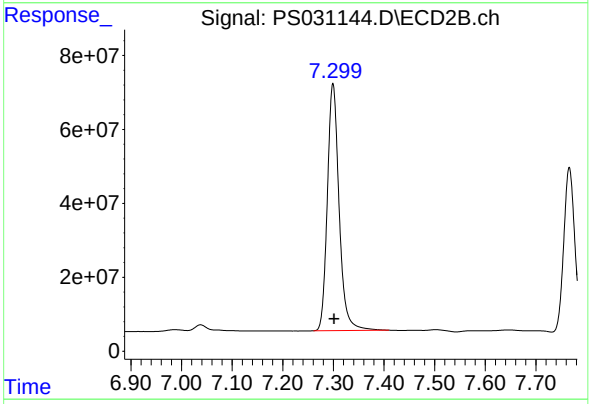
R.T.: 6.713 min
Delta R.T.: -0.002 min
Response: 939097878
Conc: 605.74 ng/ml



#3 4-Nitrophenol

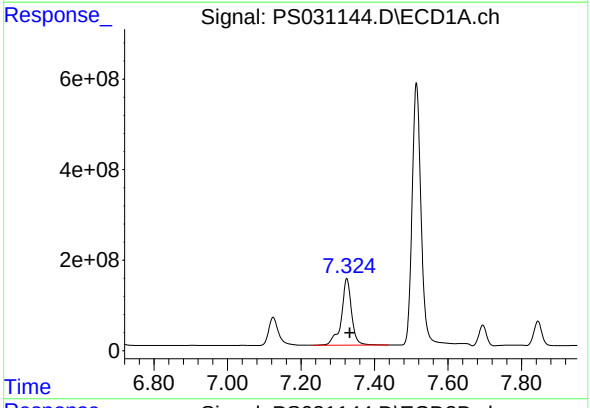
R.T.: 7.124 min
Delta R.T.: -0.008 min
Response: 1135592901
Conc: 841.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



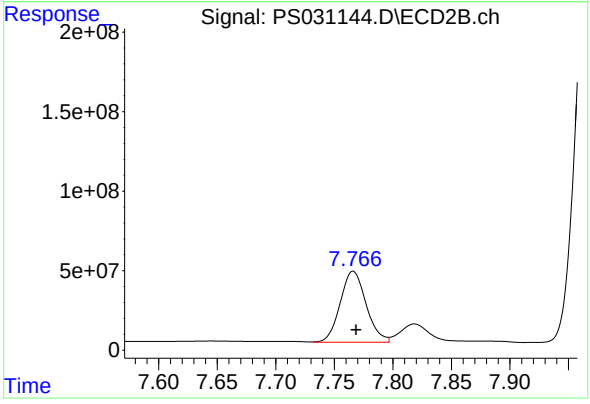
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.002 min
Response: 1078319853
Conc: 618.34 ng/ml



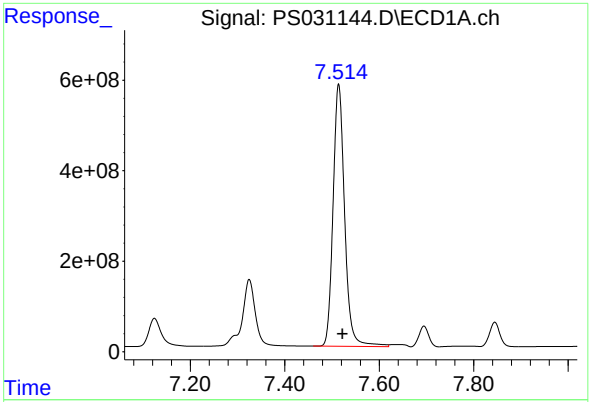
#4 2,4-DCAA

R.T.: 7.325 min
Delta R.T.: -0.008 min
Response: 2841809613
Conc: 718.52 ng/ml



#4 2,4-DCAA

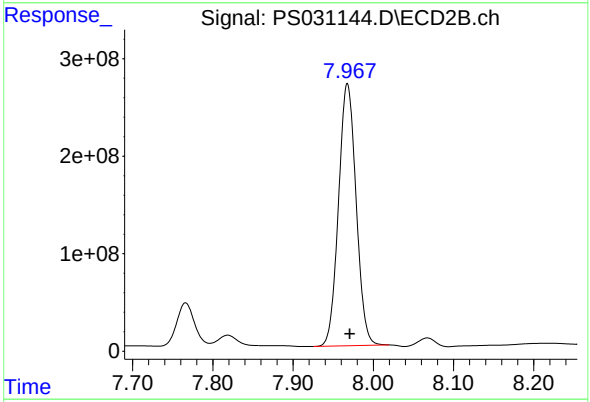
R.T.: 7.766 min
Delta R.T.: -0.003 min
Response: 689040846
Conc: 665.08 ng/ml



#5 DICAMBA

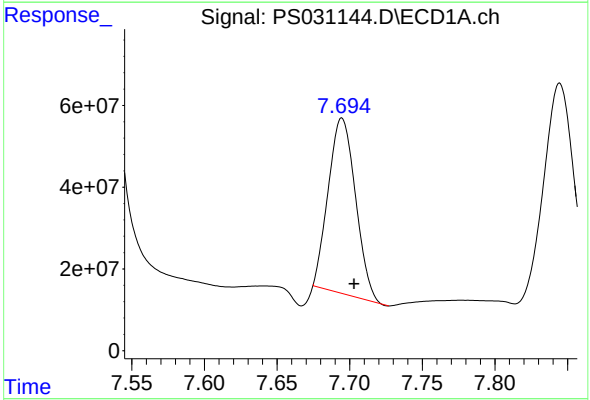
R.T.: 7.514 min
Delta R.T.: -0.008 min
Response: 9834013035
Conc: 626.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



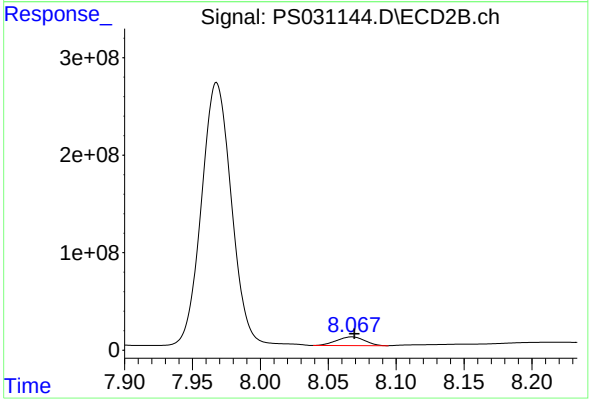
#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: -0.003 min
Response: 4096763307
Conc: 632.57 ng/ml



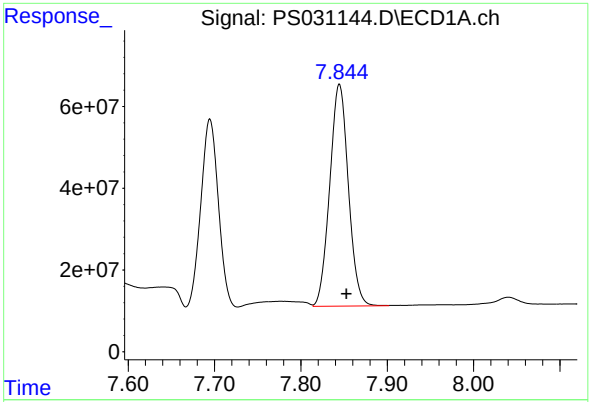
#6 MCPP

R.T.: 7.695 min
Delta R.T.: -0.008 min
Response: 560153472
Conc: 60.88 ug/ml



#6 MCPP

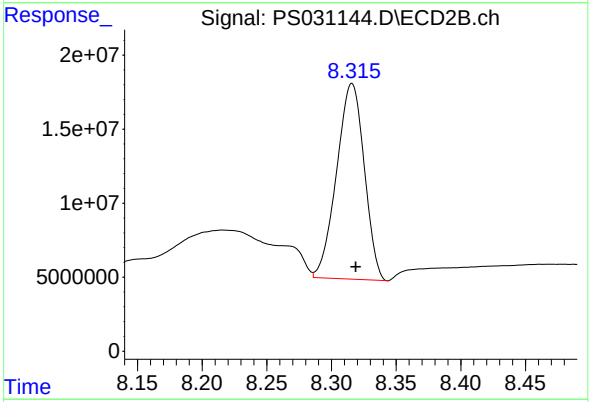
R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 128873597
Conc: 60.28 ug/ml



#7 MCPA

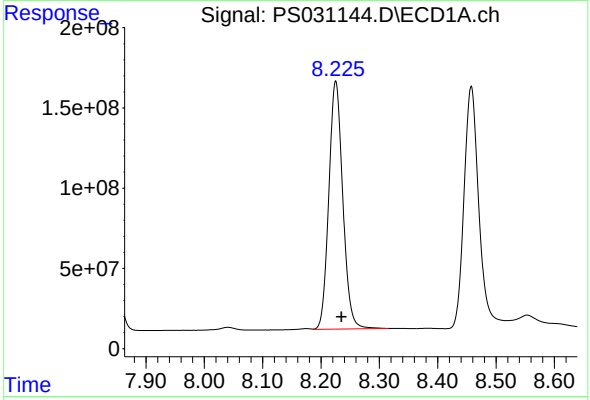
R.T.: 7.845 min
Delta R.T.: -0.008 min
Response: 813532693
Conc: 74.59 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



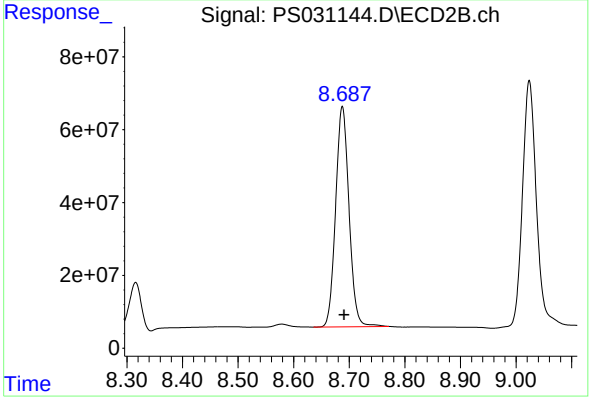
#7 MCPA

R.T.: 8.316 min
Delta R.T.: -0.003 min
Response: 196583809
Conc: 61.32 ug/ml



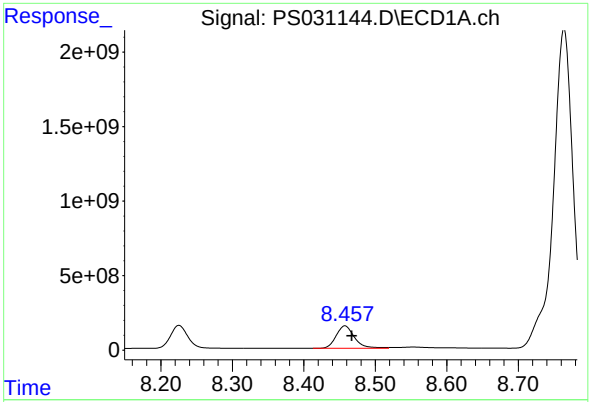
#8 DICHLORPROP

R.T.: 8.225 min
Delta R.T.: -0.009 min
Response: 2567906248
Conc: 754.12 ng/ml



#8 DICHLORPROP

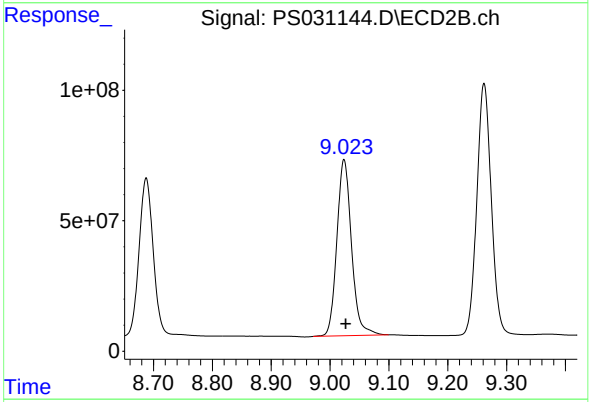
R.T.: 8.688 min
Delta R.T.: -0.003 min
Response: 1012365408
Conc: 666.35 ng/ml



#9 2,4-D

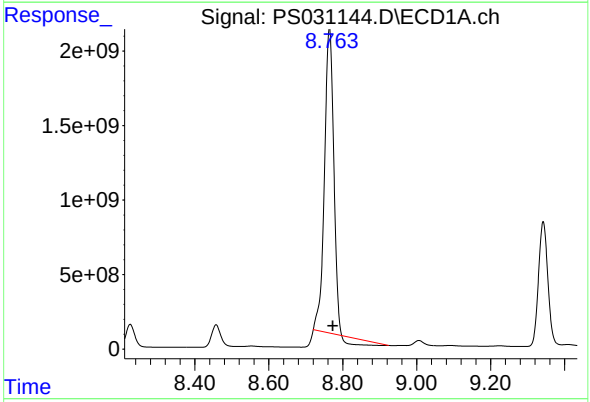
R.T.: 8.458 min
Delta R.T.: -0.009 min
Response: 2683771067
Conc: 871.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



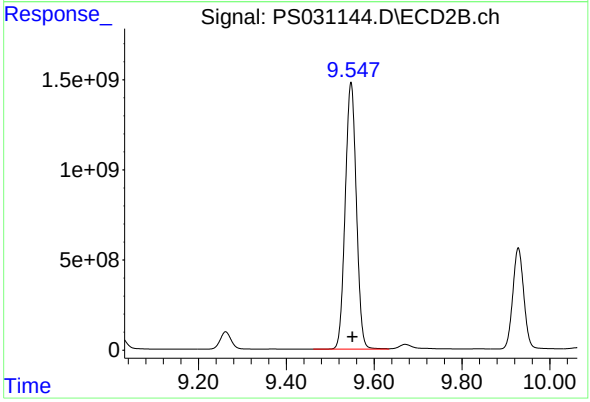
#9 2,4-D

R.T.: 9.024 min
Delta R.T.: -0.003 min
Response: 1170933257
Conc: 689.00 ng/ml



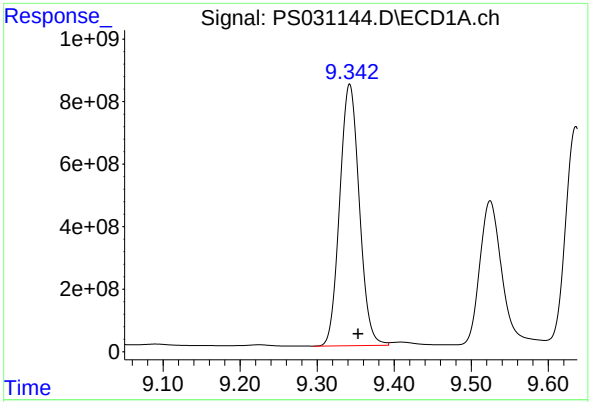
#10 Pentachlorophenol

R.T.: 8.764 min
Delta R.T.: -0.009 min
Response: 33681110711
Conc: 670.12 ng/ml



#10 Pentachlorophenol

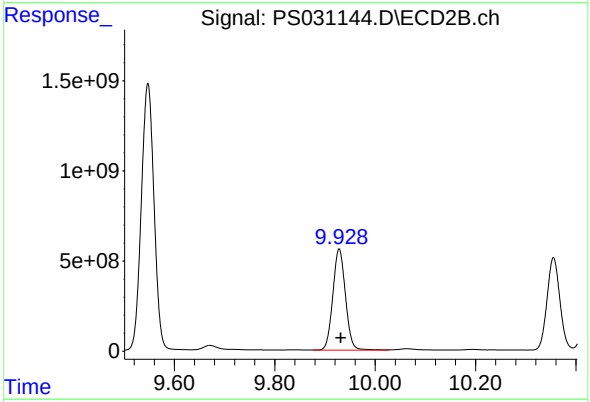
R.T.: 9.547 min
Delta R.T.: -0.003 min
Response: 26009883704
Conc: 674.97 ng/ml



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

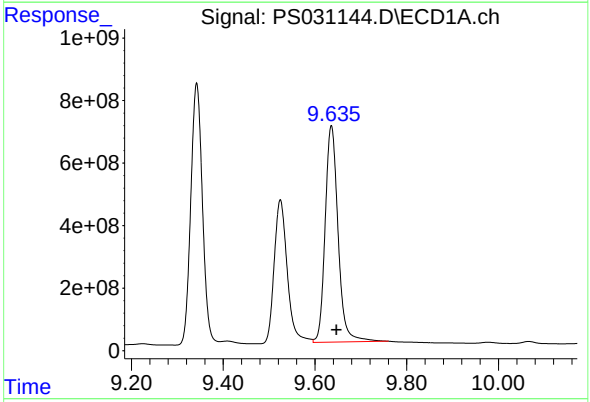
R.T.: 9.342 min
Delta R.T.: -0.011 min
Response: 14711179499
Conc: 790.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



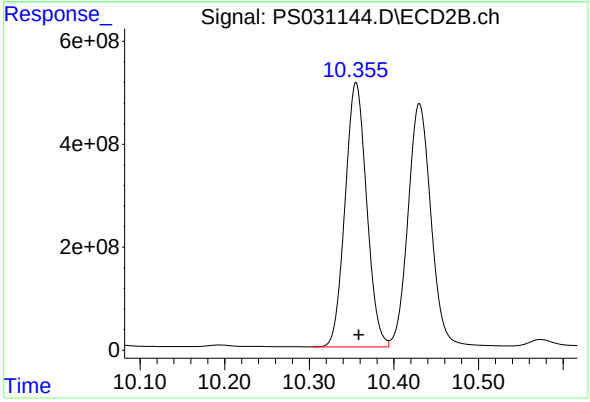
#11 2,4,5-TP (SILVEX)

R.T.: 9.928 min
Delta R.T.: -0.003 min
Response: 9789286667
Conc: 667.04 ng/ml



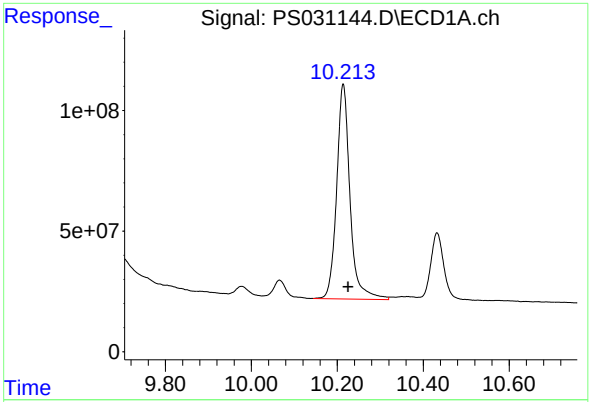
#12 2,4,5-T

R.T.: 9.636 min
Delta R.T.: -0.011 min
Response: 13511359153
Conc: 888.13 ng/ml



#12 2,4,5-T

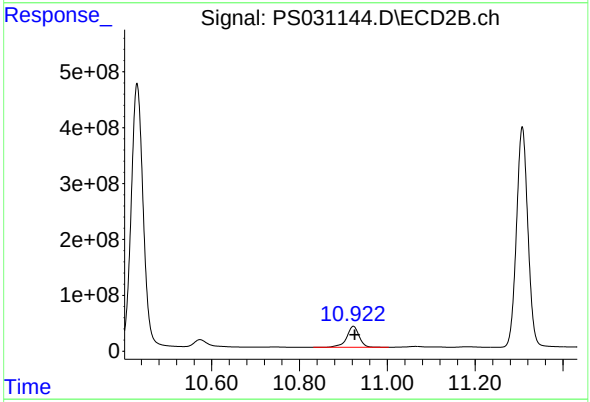
R.T.: 10.355 min
Delta R.T.: -0.003 min
Response: 9071197325
Conc: 648.32 ng/ml



#13 2,4-DB

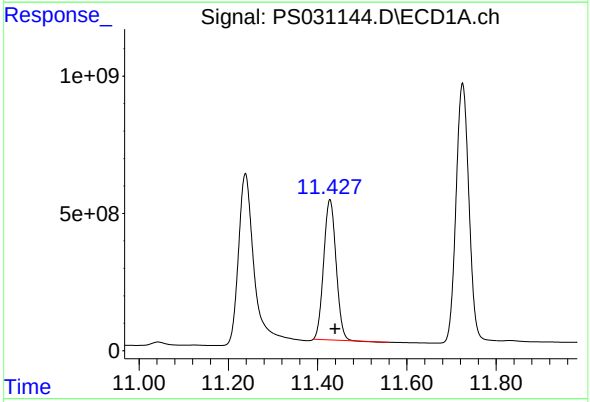
R.T.: 10.214 min
Delta R.T.: -0.011 min
Response: 1921578760
Conc: 885.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



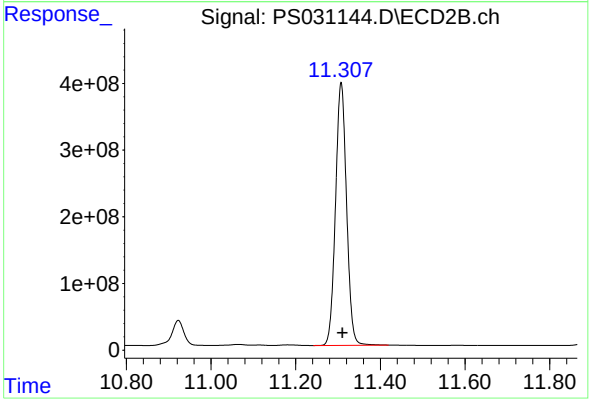
#13 2,4-DB

R.T.: 10.923 min
Delta R.T.: -0.003 min
Response: 740010752
Conc: 625.44 ng/ml



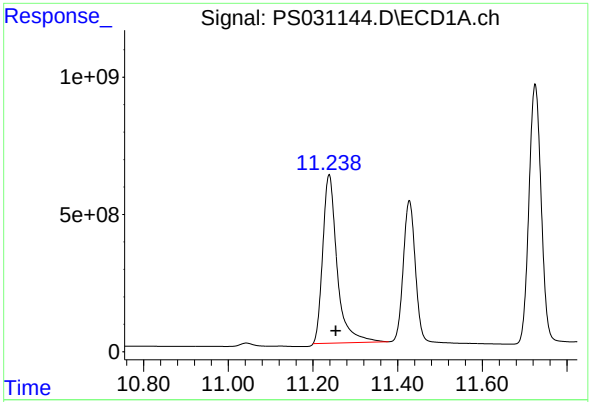
#14 DINOSEB

R.T.: 11.428 min
Delta R.T.: -0.012 min
Response: 9831286442
Conc: 745.70 ng/ml



#14 DINOSEB

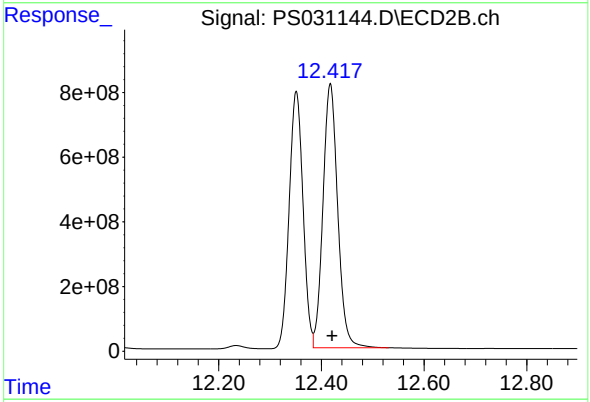
R.T.: 11.307 min
Delta R.T.: -0.003 min
Response: 7116937524
Conc: 626.96 ng/ml



#15 Picloram

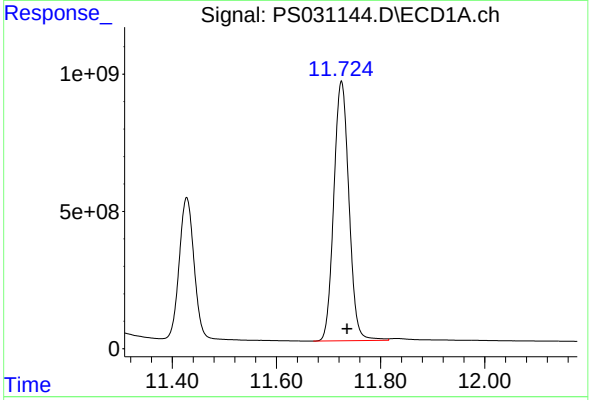
R.T.: 11.238 min
Delta R.T.: -0.015 min
Response: 14517725010
Conc: 996.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



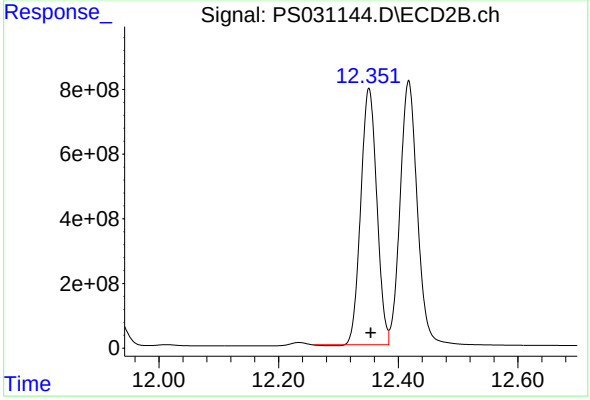
#15 Picloram

R.T.: 12.417 min
Delta R.T.: -0.004 min
Response: 16245218042
Conc: 691.86 ng/ml



#16 DCPA

R.T.: 11.725 min
Delta R.T.: -0.011 min
Response: 19111785946
Conc: 798.41 ng/ml



#16 DCPA

R.T.: 12.351 min
Delta R.T.: -0.003 min
Response: 14735615194
Conc: 653.41 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 21:46
Operator : AR\AJ
Sample : Q2529-10MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-30MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.321	7.768	612.2E6	228.3E6	154.789	220.320	#
	Target Compounds							
1) T	Dalapon	2.682	2.703	3253.4E6	3152.1E6	534.064	1108.792	#
2) T	3,5-DICHL...	6.487	6.713	933.6E6	274.5E6	178.212	177.067	
3) T	4-Nitroph...	7.089f	7.326	313.2E6	98351516	232.028	56.398	#
5) T	DICAMBA	7.512	7.967	3599.0E6	1468.9E6	229.366	226.805	
6) T	MCPP	7.690	8.065	76911456	19598607	8.359	9.167	
7) T	MCPA	7.841	8.310	327.6E6	49894552	30.037	15.565	#
8) T	DICHLORPROP	8.225	8.687	788.9E6	377.4E6	231.666	248.404	
9) T	2,4-D	8.457	9.027	1509.9E6	1040.7E6	490.481	612.352	
10) T	Pentachlo...	8.762	9.546	3239.6E6	2199.2E6	64.454	57.069	
11) T	2,4,5-TP ...	9.341	9.938	5018.3E6	11413.4E6	269.646	777.705	#
12) T	2,4,5-T	9.635	10.354	5063.6E6	3263.8E6	332.841	233.266	#
13) T	2,4-DB	10.212	10.919	574.3E6	50356322	264.574	42.560	#
14) T	DINOSEB	0.000	11.315	0	686.6E6	N.D.	60.488	
15) T	Picloram	11.236	12.416	5189.4E6	5198.9E6	356.121	221.413	#
16) T	DCPA	11.723	12.351	8021.0E6	6103.5E6	335.087	270.643	

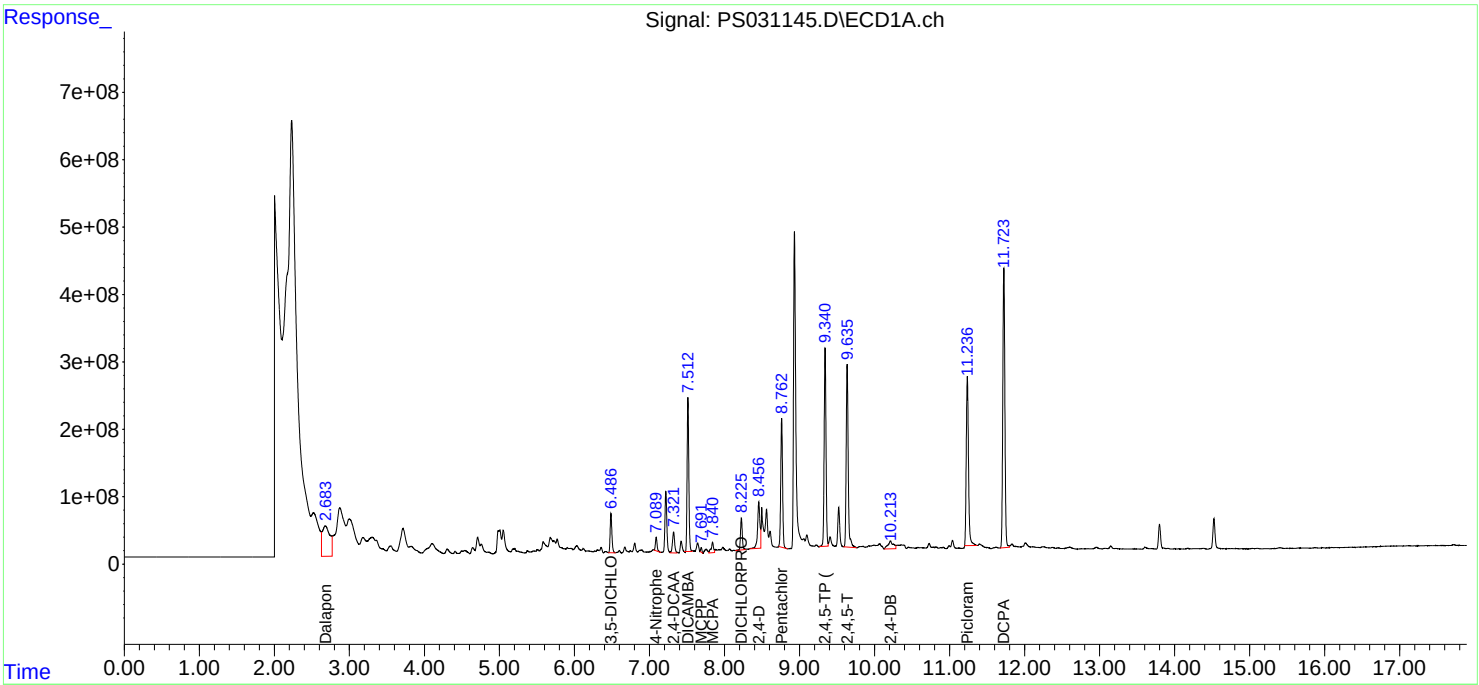
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

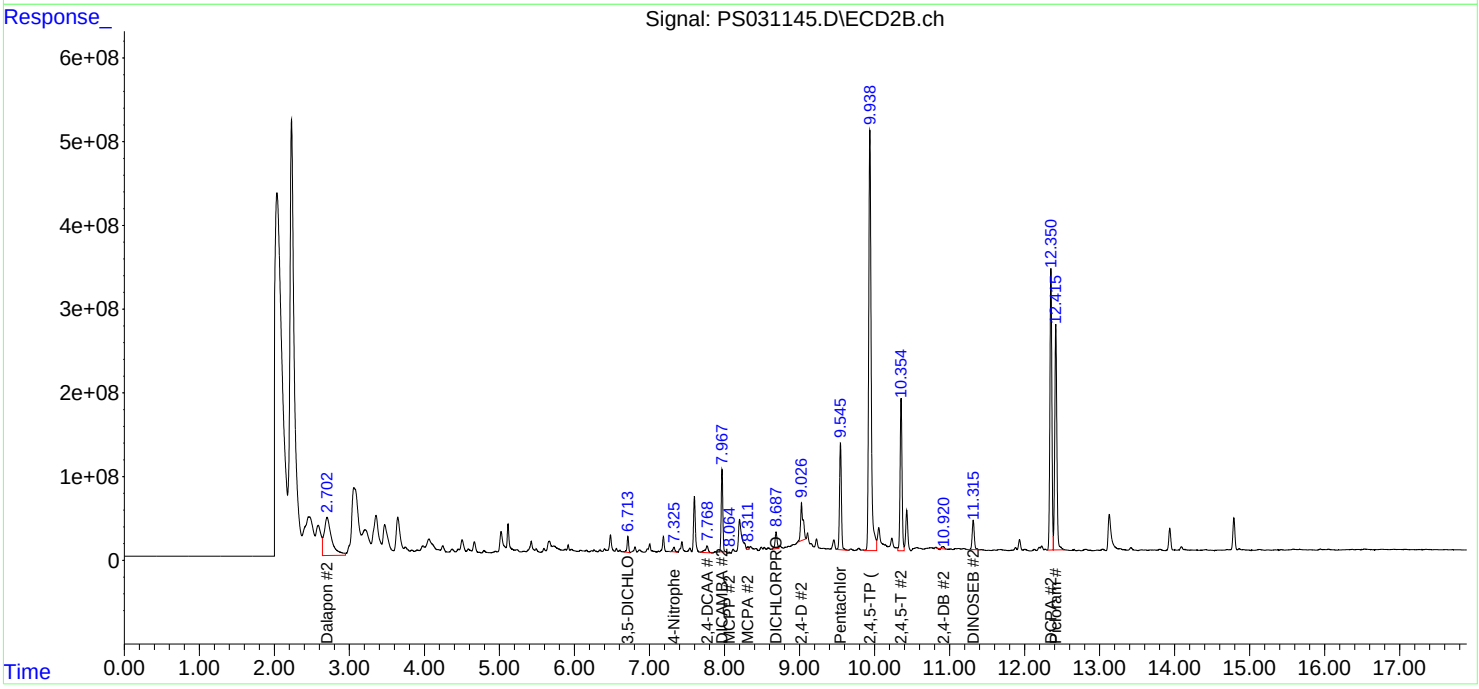
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 21:46
Operator : AR\AJ
Sample : Q2529-10MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

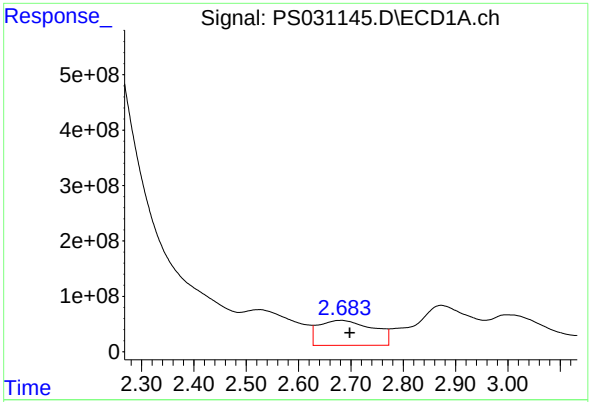
Instrument :
ECD_S
ClientSampleId :
TP-30MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



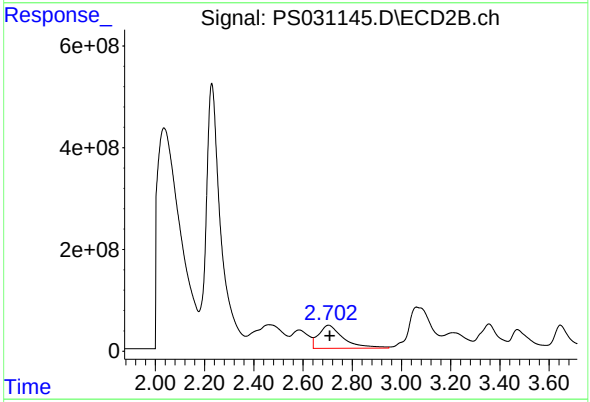




#1 Dalapon

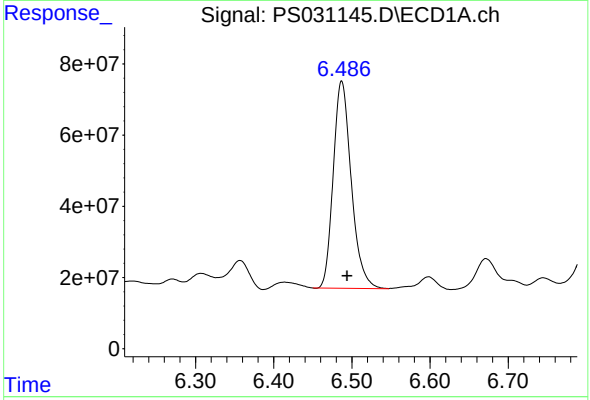
R.T.: 2.682 min
Delta R.T.: -0.016 min
Response: 3253370909
Conc: 534.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS



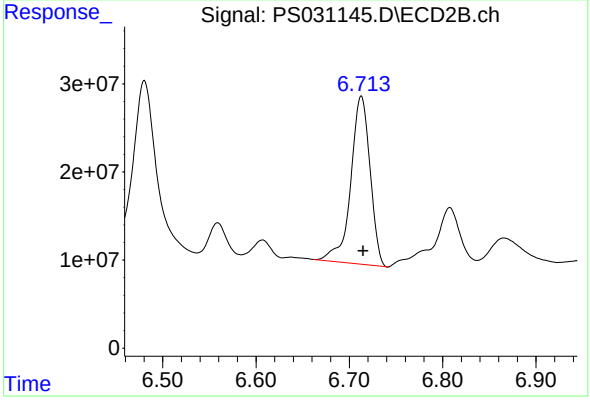
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: -0.005 min
Response: 3152138578
Conc: 1108.79 ng/ml



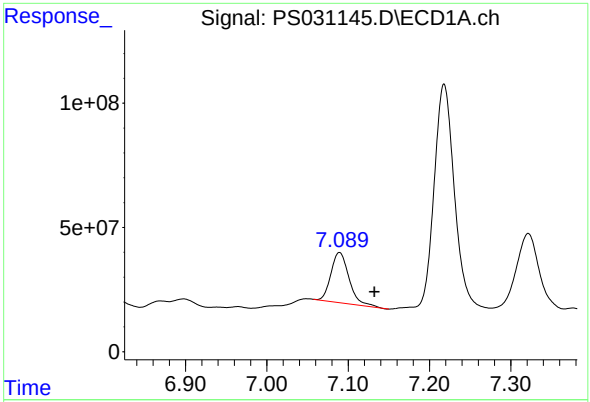
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: -0.007 min
Response: 933581822
Conc: 178.21 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

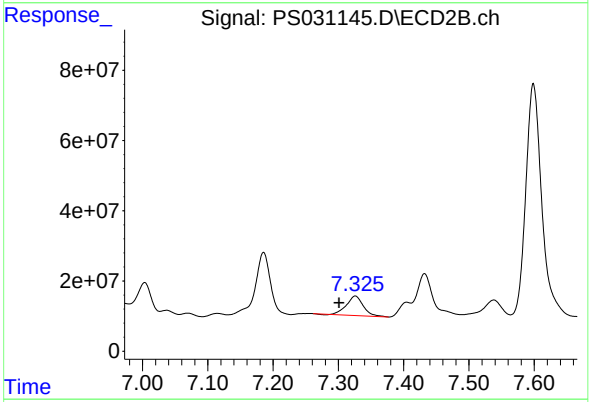
R.T.: 6.713 min
Delta R.T.: -0.002 min
Response: 274512940
Conc: 177.07 ng/ml



#3 4-Nitrophenol

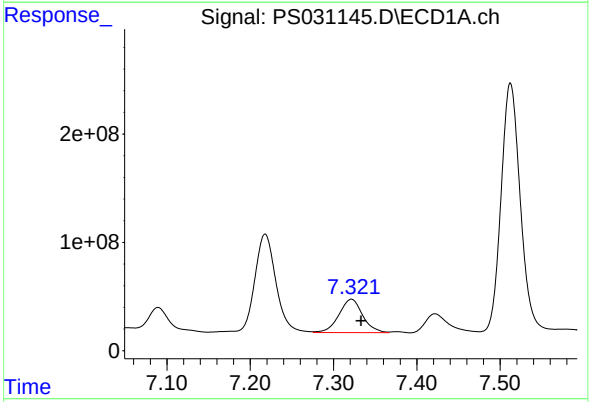
R.T.: 7.089 min
Delta R.T.: -0.043 min
Response: 313240189
Conc: 232.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS



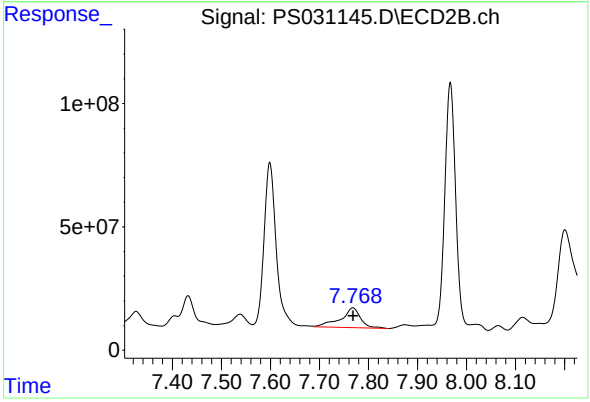
#3 4-Nitrophenol

R.T.: 7.326 min
Delta R.T.: 0.025 min
Response: 98351516
Conc: 56.40 ng/ml



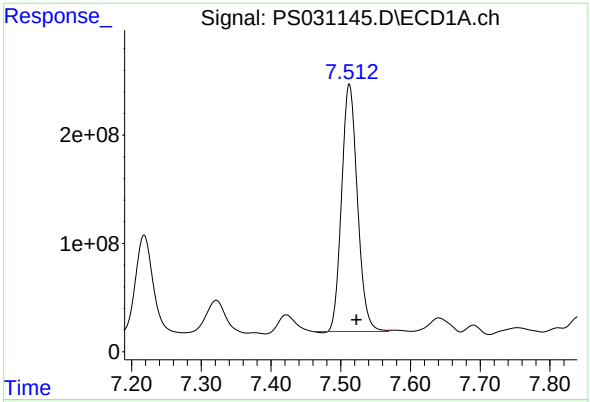
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.012 min
Response: 612200871
Conc: 154.79 ng/ml



#4 2,4-DCAA

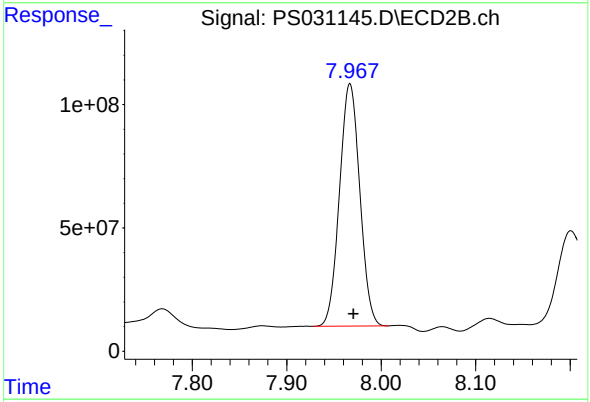
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 228259185
Conc: 220.32 ng/ml



#5 DICAMBA

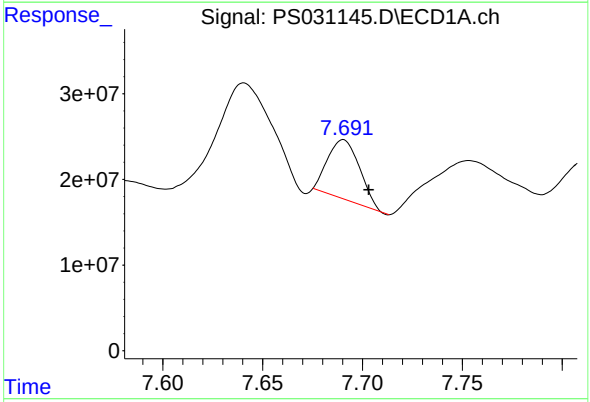
R.T.: 7.512 min
Delta R.T.: -0.010 min
Response: 3598964190
Conc: 229.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS



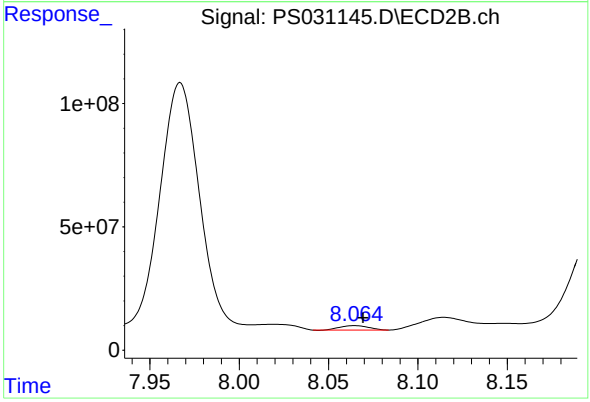
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.004 min
Response: 1468884095
Conc: 226.80 ng/ml



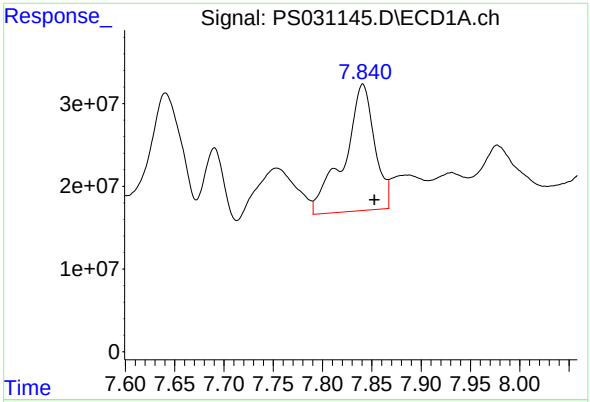
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.013 min
Response: 76911456
Conc: 8.36 ug/ml



#6 MCPP

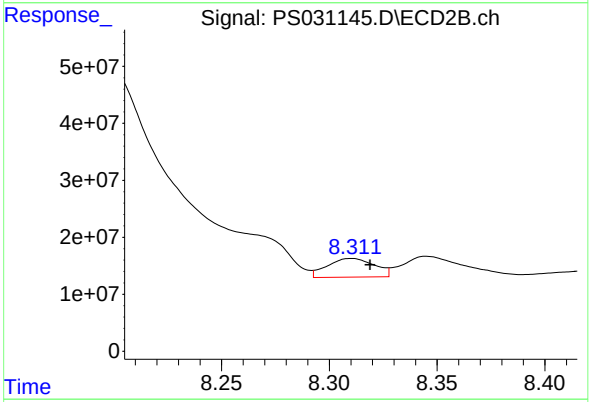
R.T.: 8.065 min
Delta R.T.: -0.005 min
Response: 19598607
Conc: 9.17 ug/ml



#7 MCPA

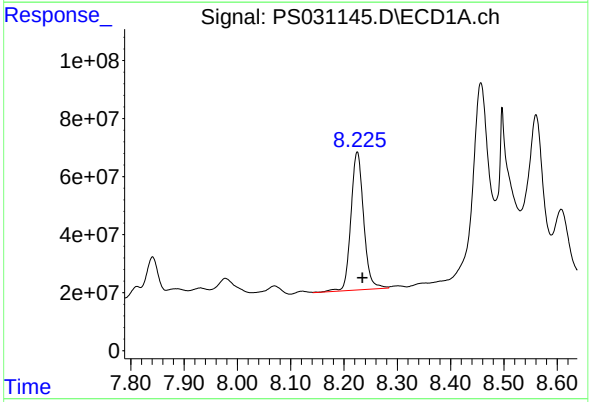
R.T.: 7.841 min
Delta R.T.: -0.012 min
Response: 327606059
Conc: 30.04 ug/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS



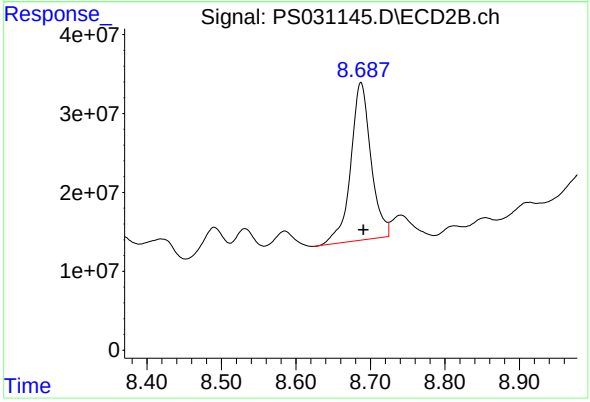
#7 MCPA

R.T.: 8.310 min
Delta R.T.: -0.009 min
Response: 49894552
Conc: 15.56 ug/ml



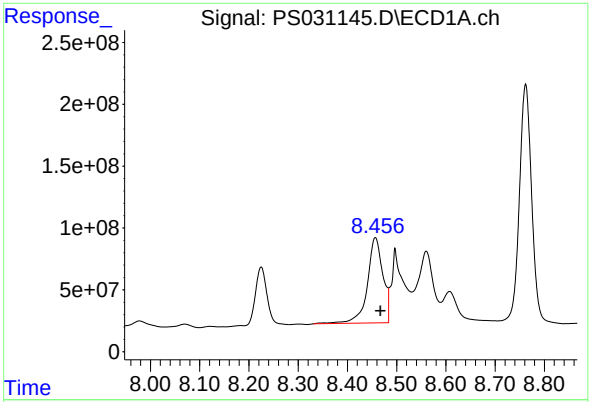
#8 DICHLORPROP

R.T.: 8.225 min
Delta R.T.: -0.010 min
Response: 788857514
Conc: 231.67 ng/ml



#8 DICHLORPROP

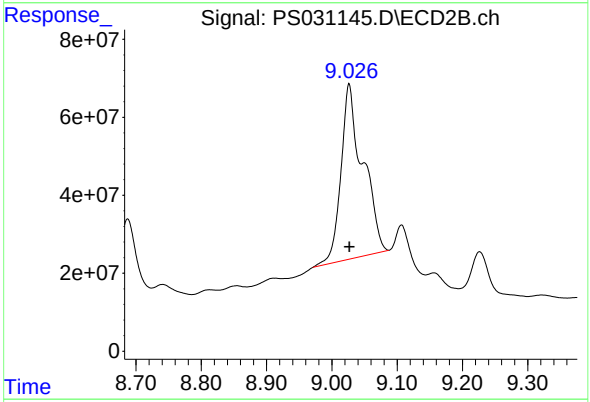
R.T.: 8.687 min
Delta R.T.: -0.003 min
Response: 377390655
Conc: 248.40 ng/ml



#9 2,4-D

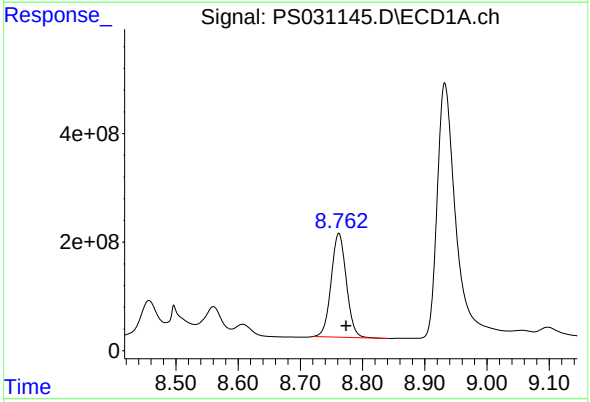
R.T.: 8.457 min
Delta R.T.: -0.010 min
Response: 1509915031
Conc: 490.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS



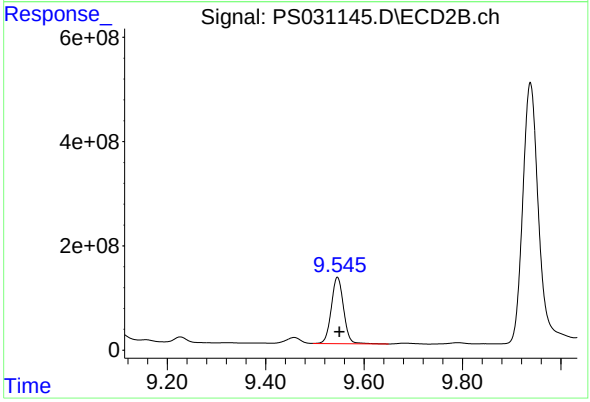
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1040669948
Conc: 612.35 ng/ml



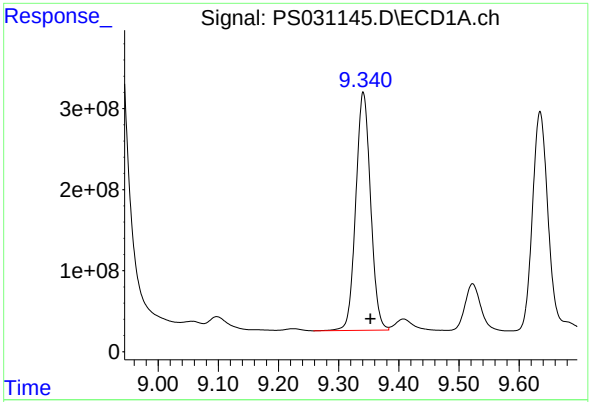
#10 Pentachlorophenol

R.T.: 8.762 min
Delta R.T.: -0.011 min
Response: 3239559666
Conc: 64.45 ng/ml



#10 Pentachlorophenol

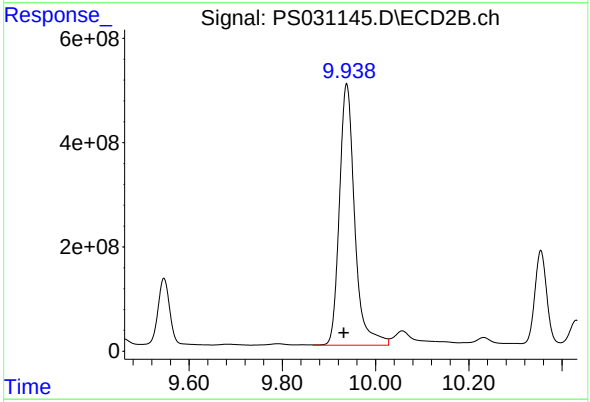
R.T.: 9.546 min
Delta R.T.: -0.004 min
Response: 2199163388
Conc: 57.07 ng/ml



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

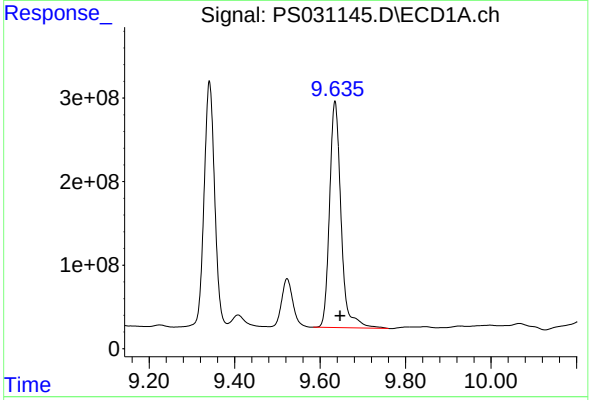
R.T.: 9.341 min
Delta R.T.: -0.012 min
Response: 5018306526
Conc: 269.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS



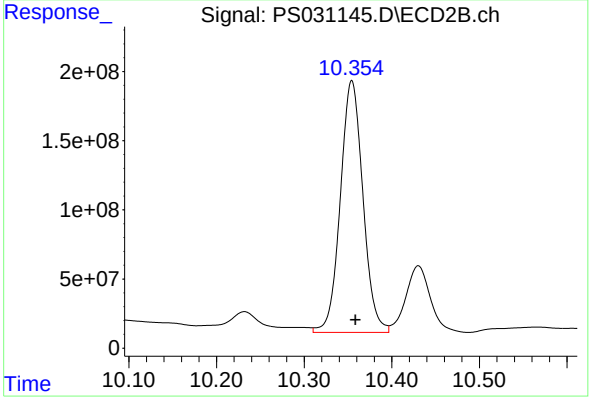
#11 2,4,5-TP (SILVEX)

R.T.: 9.938 min
Delta R.T.: 0.006 min
Response: 11413416927
Conc: 777.70 ng/ml



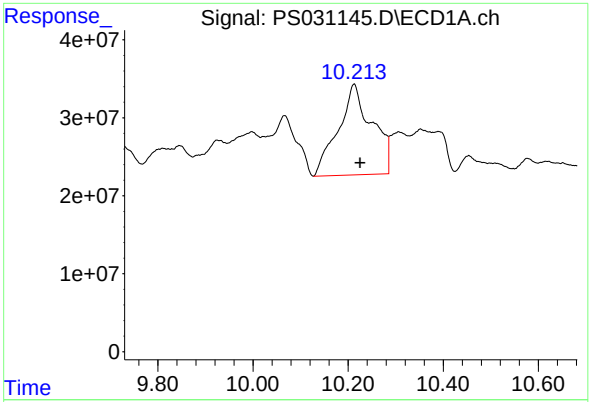
#12 2,4,5-T

R.T.: 9.635 min
Delta R.T.: -0.012 min
Response: 5063615581
Conc: 332.84 ng/ml



#12 2,4,5-T

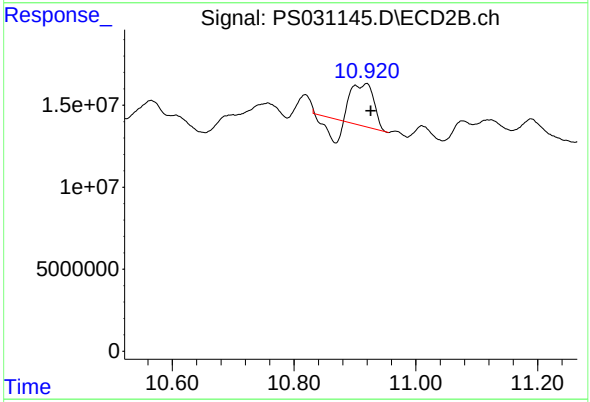
R.T.: 10.354 min
Delta R.T.: -0.004 min
Response: 3263820142
Conc: 233.27 ng/ml



#13 2,4-DB

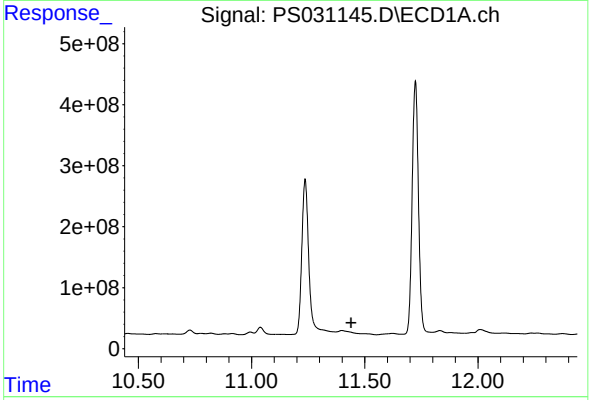
R.T.: 10.212 min
Delta R.T.: -0.012 min
Response: 574335491
Conc: 264.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS



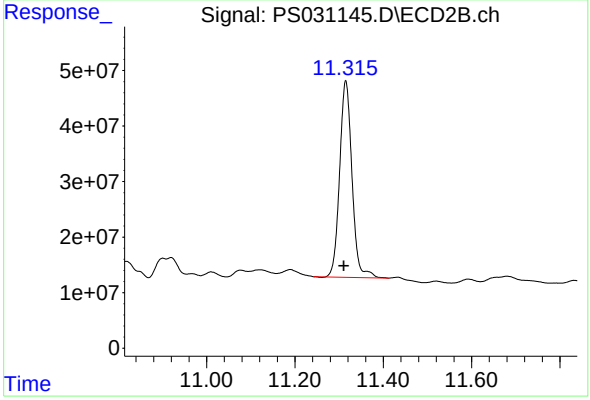
#13 2,4-DB

R.T.: 10.919 min
Delta R.T.: -0.007 min
Response: 50356322
Conc: 42.56 ng/ml



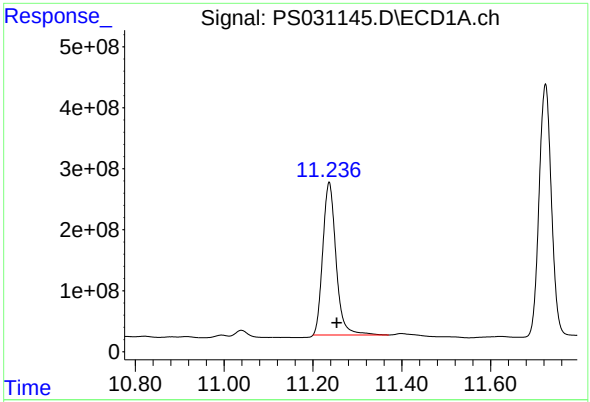
#14 DINOSEB

R.T.: 0.000 min
Exp R.T. : 11.439 min
Response: 0
Conc: N.D.



#14 DINOSEB

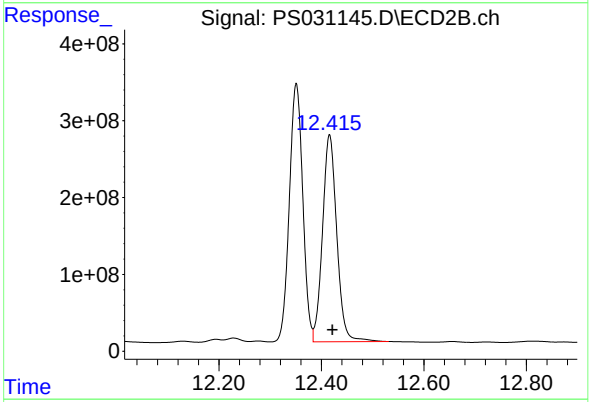
R.T.: 11.315 min
Delta R.T.: 0.005 min
Response: 686627231
Conc: 60.49 ng/ml



#15 Picloram

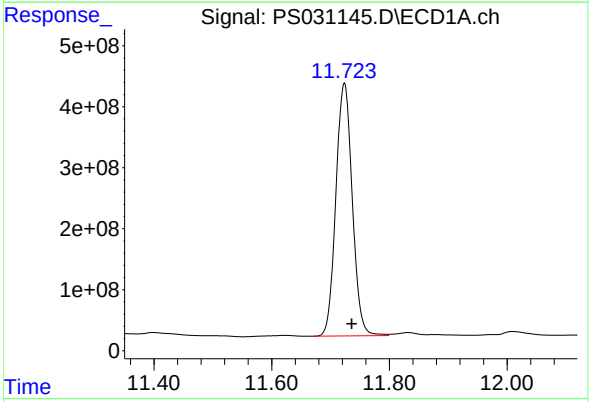
R.T.: 11.236 min
Delta R.T.: -0.017 min
Response: 5189371468
Conc: 356.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MS



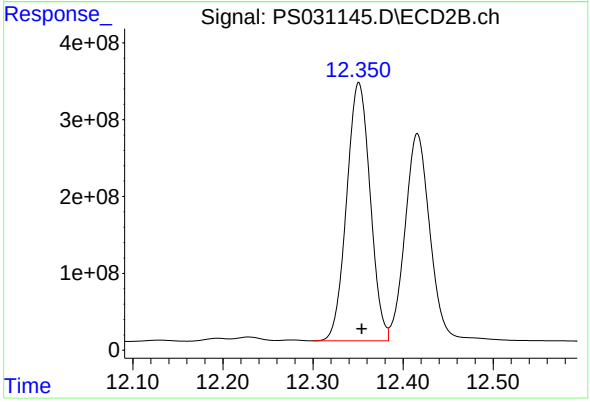
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.005 min
Response: 5198921193
Conc: 221.41 ng/ml



#16 DCPA

R.T.: 11.723 min
Delta R.T.: -0.013 min
Response: 8021044963
Conc: 335.09 ng/ml



#16 DCPA

R.T.: 12.351 min
Delta R.T.: -0.003 min
Response: 6103536142
Conc: 270.64 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 22:10
Operator : AR\AJ
Sample : Q2529-10MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-30MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.323	7.768	713.3E6	266.3E6	180.347	257.067 #
		Target Compounds						
1)	T	Dalapon	2.679	2.698	3676.0E6	3414.1E6	603.439	1200.953 #
2)	T	3,5-DICHL...	6.488	6.713	1194.4E6	343.6E6	228.002	221.624
3)	T	4-Nitroph...	7.090f	7.326	309.2E6	100.5E6	229.035	57.642 #
5)	T	DICAMBA	7.514	7.968	4249.8E6	1744.3E6	270.845	269.324
6)	T	MCPP	7.692	8.065	117.1E6	29807620	12.728	13.942
7)	T	MCPA	7.842	8.312	315.2E6	89941204	28.895	28.057
8)	T	DICHLORPROP	8.225	8.687	950.5E6	447.4E6	279.148	294.458
9)	T	2,4-D	8.457	9.027	1622.9E6	1060.9E6	527.186	624.280
10)	T	Pentachlo...	8.763	9.547	4390.0E6	3004.2E6	87.342	77.959
11)	T	2,4,5-TP ...	9.342	9.937	5993.2E6	11988.6E6	322.031	816.896 #
12)	T	2,4,5-T	9.636	10.354	5988.2E6	3889.9E6	393.617	278.010 #
13)	T	2,4-DB	10.213	10.919	494.1E6	69164493	227.614	58.456 #
14)	T	DINOSEB	11.420	11.316	18367764	868.7E6	1.393	76.523 #
15)	T	Picloram	11.236	12.416	5799.2E6	5900.2E6	397.967	251.281 #
16)	T	DCPA	11.725	12.351	8931.1E6	6957.1E6	373.107	308.491

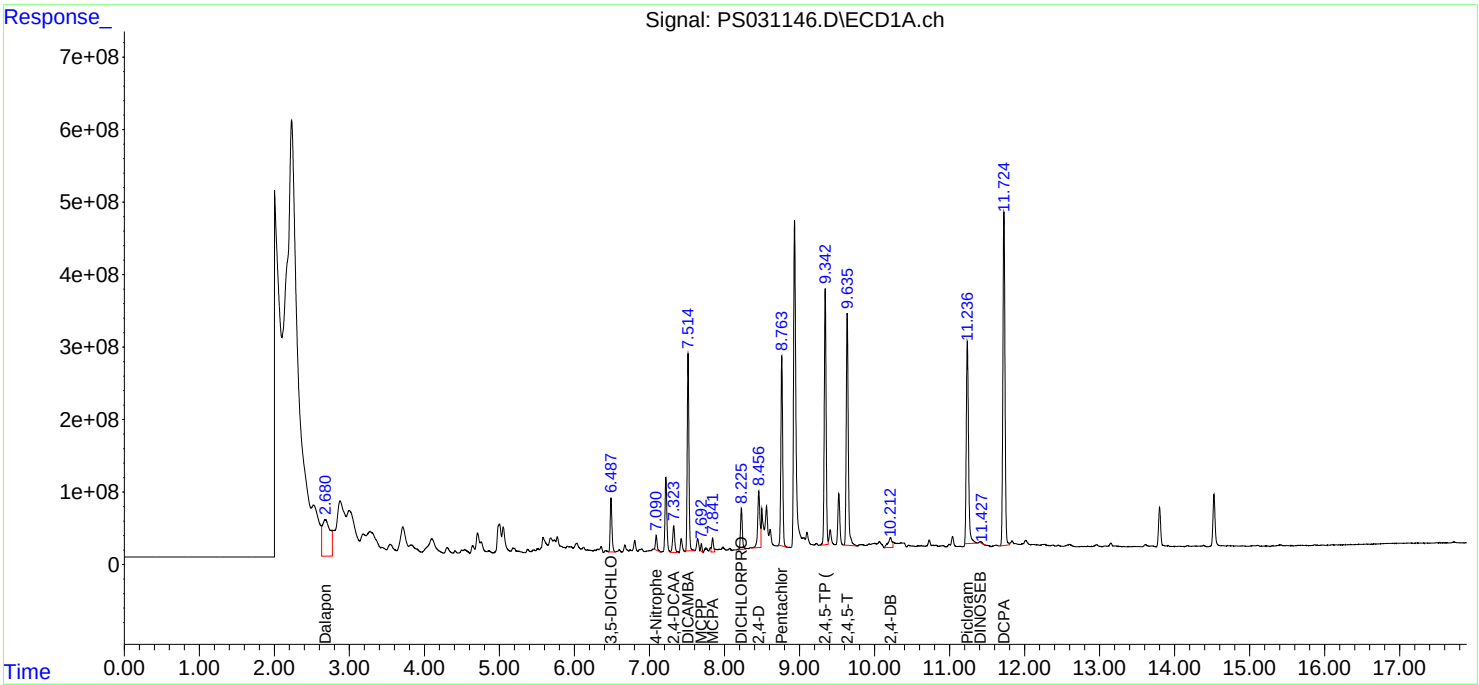
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

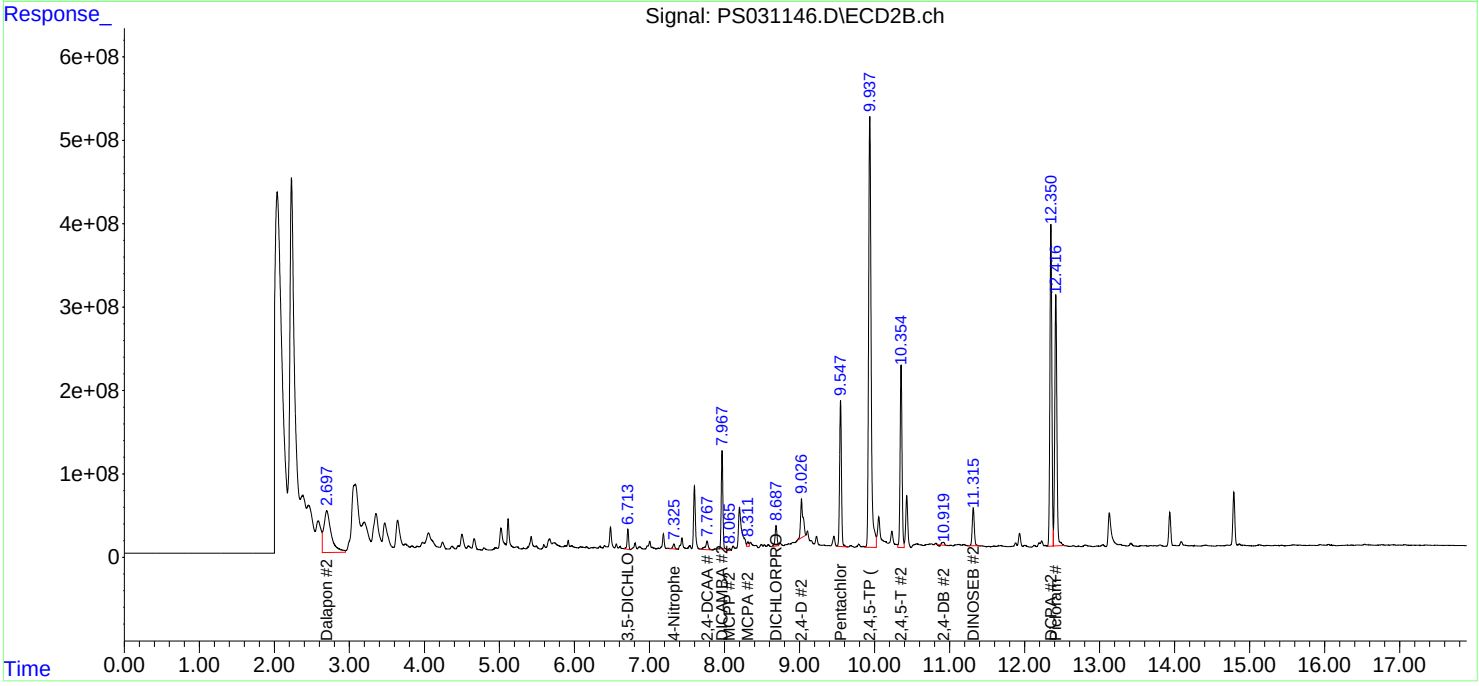
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 22:10
Operator : AR\AJ
Sample : Q2529-10MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

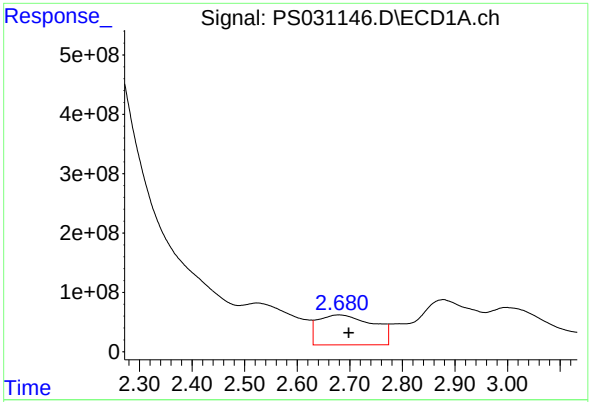
Instrument :
ECD_S
ClientSampleId :
TP-30MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



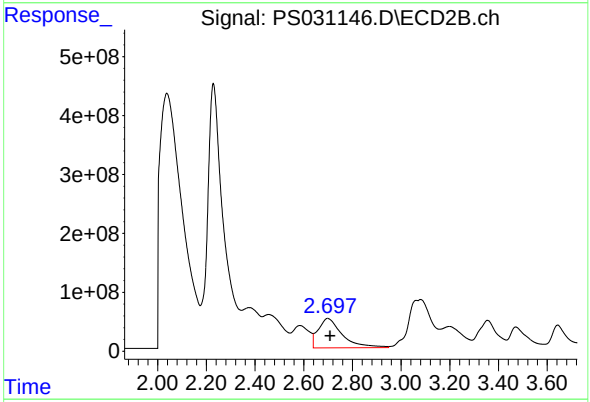




#1 Dalapon

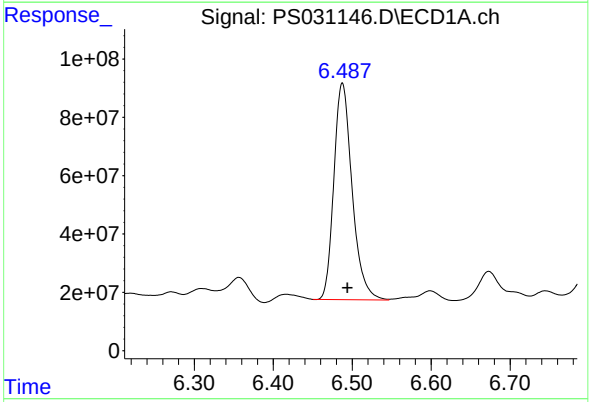
R.T.: 2.679 min
Delta R.T.: -0.019 min
Response: 3675983232
Conc: 603.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD



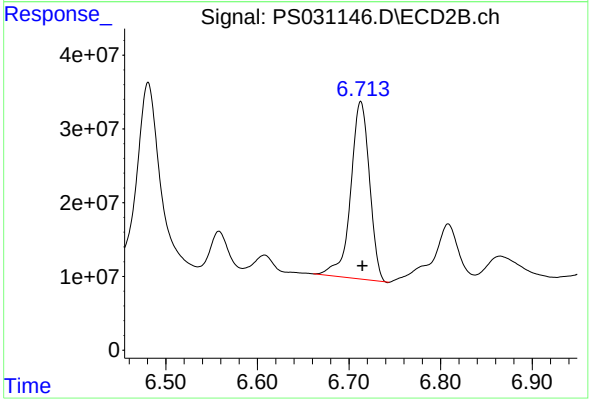
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: -0.011 min
Response: 3414141022
Conc: 1200.95 ng/ml



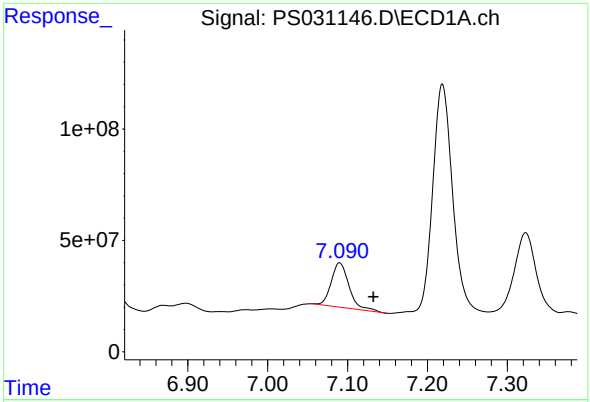
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.488 min
Delta R.T.: -0.006 min
Response: 1194409104
Conc: 228.00 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

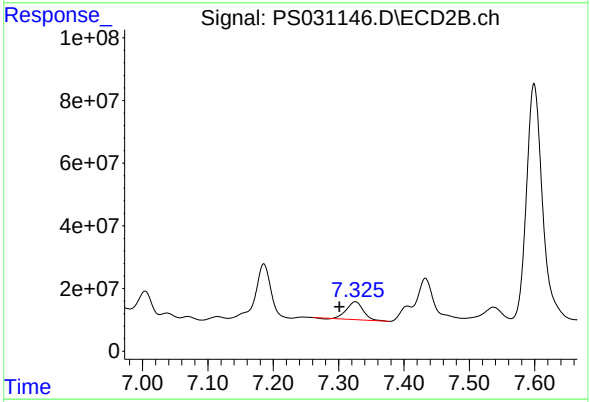
R.T.: 6.713 min
Delta R.T.: -0.002 min
Response: 343592648
Conc: 221.62 ng/ml



#3 4-Nitrophenol

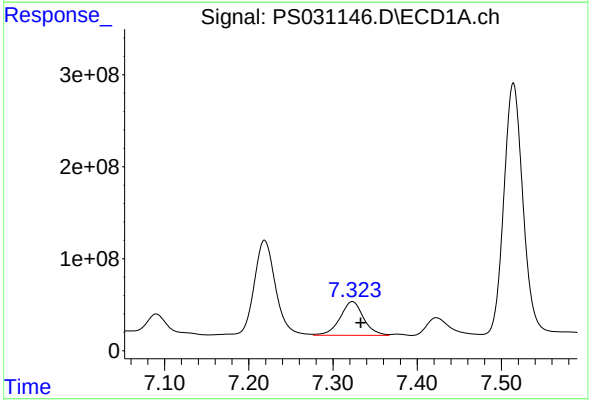
R.T.: 7.090 min
Delta R.T.: -0.042 min
Response: 309198861
Conc: 229.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD



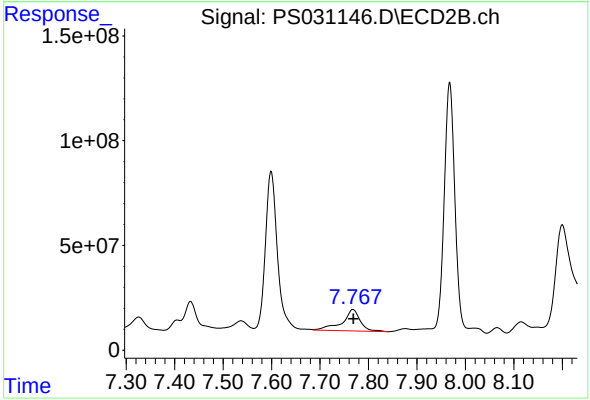
#3 4-Nitrophenol

R.T.: 7.326 min
Delta R.T.: 0.024 min
Response: 100521764
Conc: 57.64 ng/ml



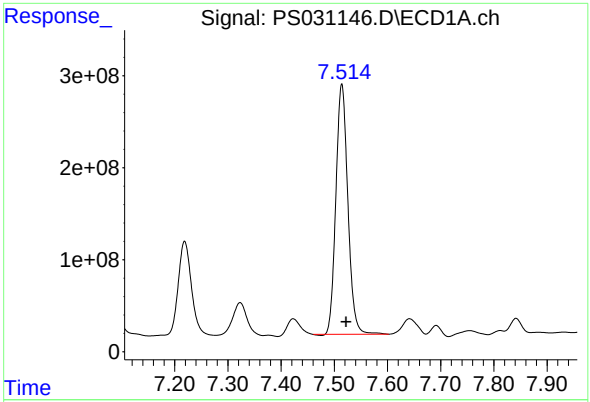
#4 2,4-DCAA

R.T.: 7.323 min
Delta R.T.: -0.010 min
Response: 713284502
Conc: 180.35 ng/ml



#4 2,4-DCAA

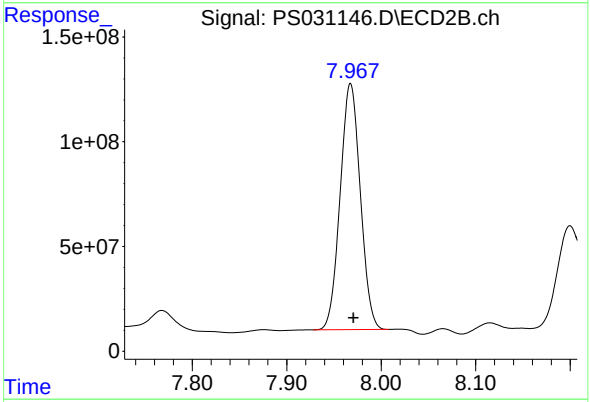
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 266329432
Conc: 257.07 ng/ml



#5 DICAMBA

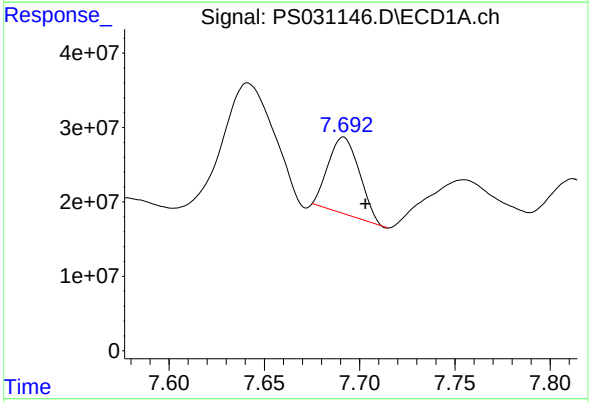
R.T.: 7.514 min
Delta R.T.: -0.008 min
Response: 4249805059
Conc: 270.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD



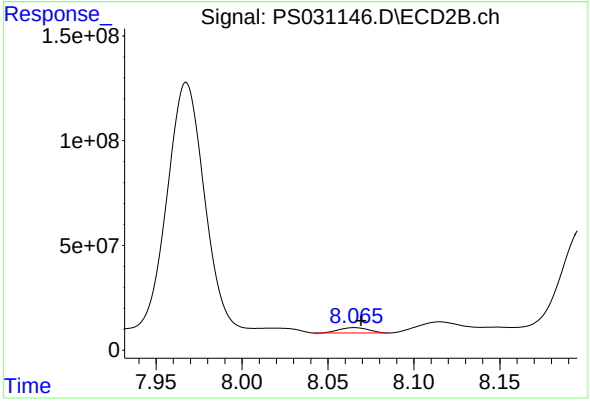
#5 DICAMBA

R.T.: 7.968 min
Delta R.T.: -0.003 min
Response: 1744253711
Conc: 269.32 ng/ml



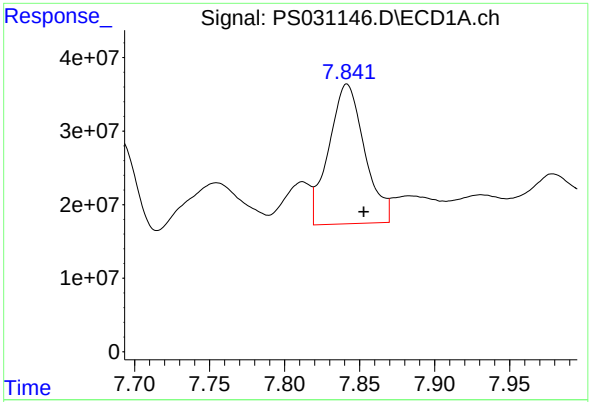
#6 MCPP

R.T.: 7.692 min
Delta R.T.: -0.011 min
Response: 117111776
Conc: 12.73 ug/ml



#6 MCPP

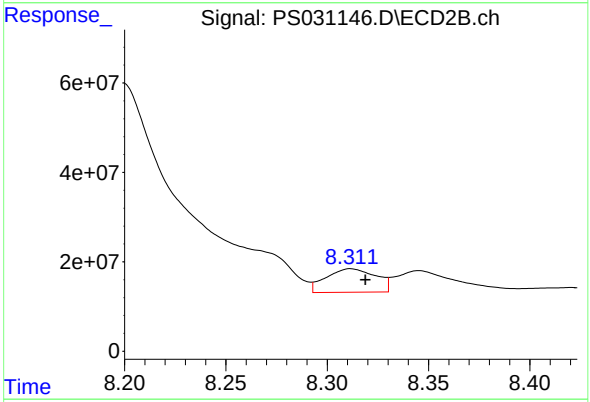
R.T.: 8.065 min
Delta R.T.: -0.004 min
Response: 29807620
Conc: 13.94 ug/ml



#7 MCPA

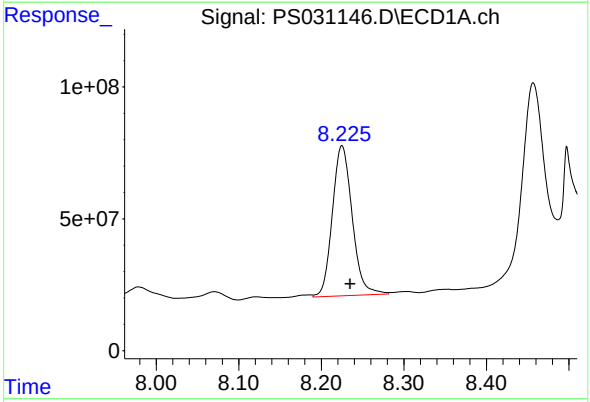
R.T.: 7.842 min
Delta R.T.: -0.011 min
Response: 315152487
Conc: 28.90 ug/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD



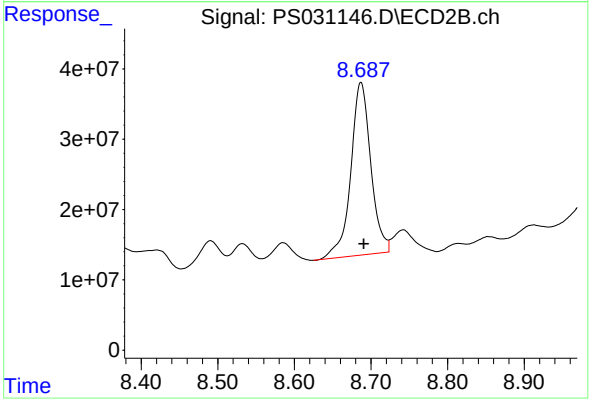
#7 MCPA

R.T.: 8.312 min
Delta R.T.: -0.007 min
Response: 89941204
Conc: 28.06 ug/ml



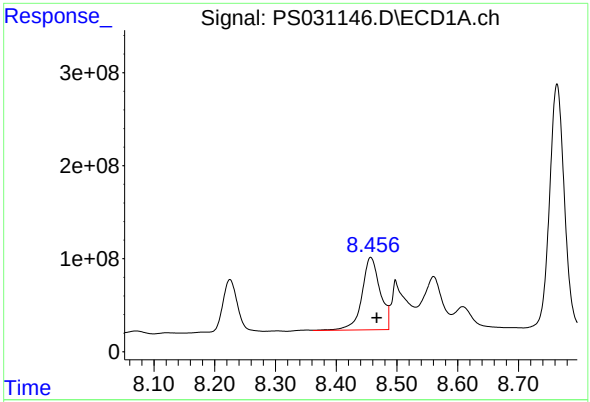
#8 DICHLORPROP

R.T.: 8.225 min
Delta R.T.: -0.010 min
Response: 950540368
Conc: 279.15 ng/ml



#8 DICHLORPROP

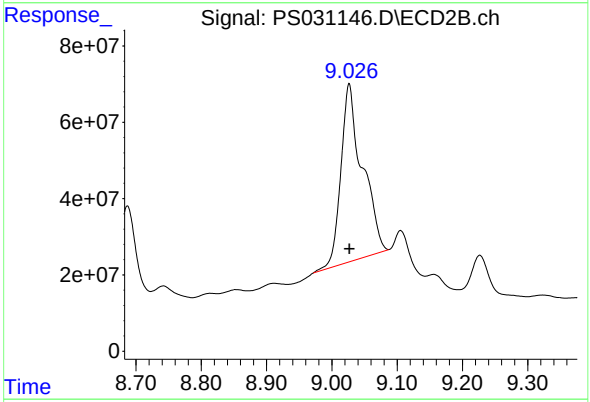
R.T.: 8.687 min
Delta R.T.: -0.004 min
Response: 447358014
Conc: 294.46 ng/ml



#9 2,4-D

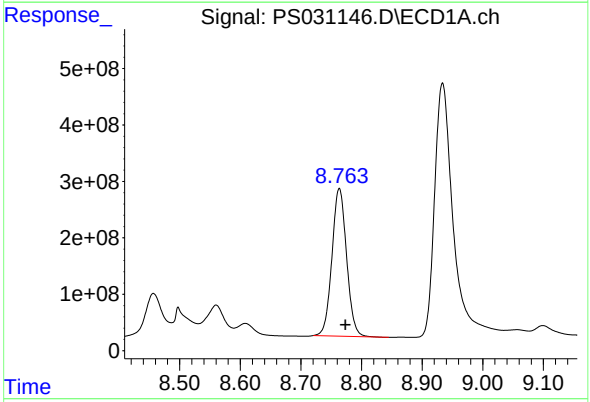
R.T.: 8.457 min
Delta R.T.: -0.010 min
Response: 1622907149
Conc: 527.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD



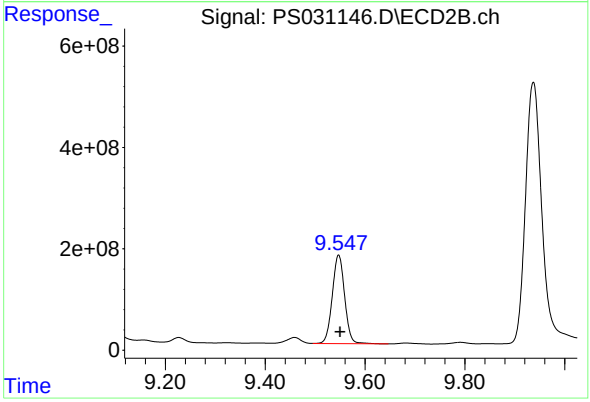
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1060942242
Conc: 624.28 ng/ml



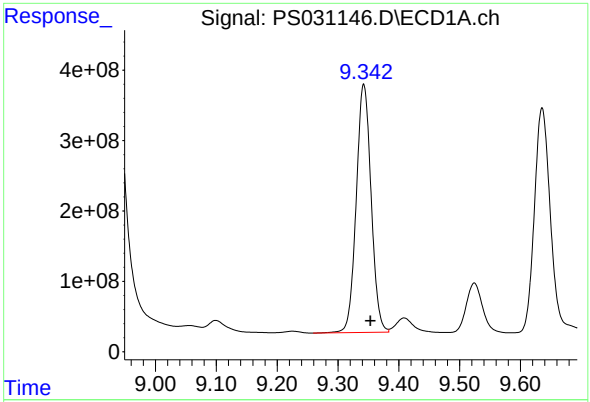
#10 Pentachlorophenol

R.T.: 8.763 min
Delta R.T.: -0.010 min
Response: 4389960813
Conc: 87.34 ng/ml



#10 Pentachlorophenol

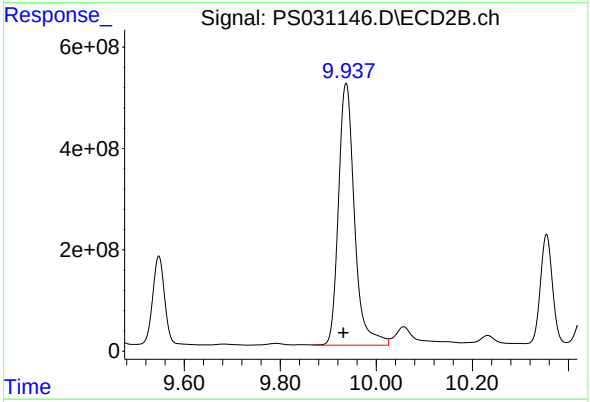
R.T.: 9.547 min
Delta R.T.: -0.003 min
Response: 3004162615
Conc: 77.96 ng/ml



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

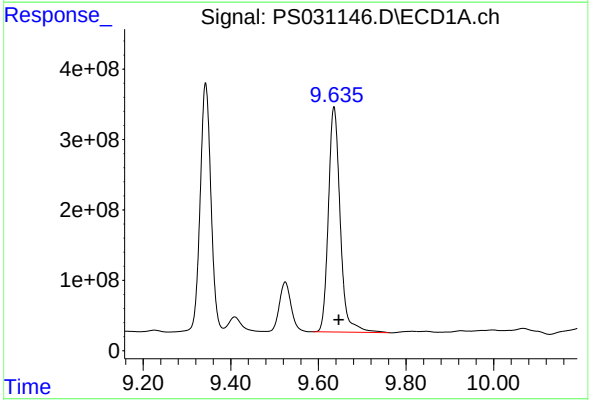
R.T.: 9.342 min
Delta R.T.: -0.011 min
Response: 5993231782
Conc: 322.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD



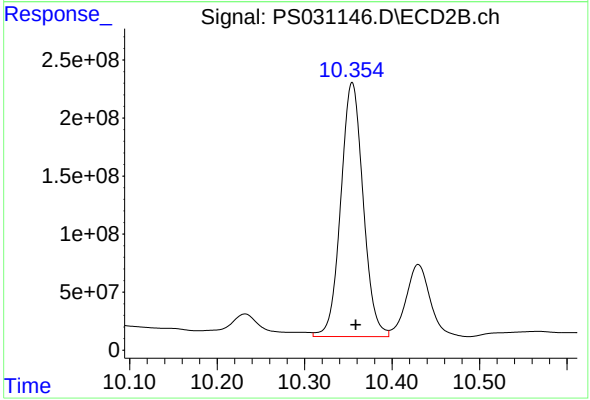
#11 2,4,5-TP (SILVEX)

R.T.: 9.937 min
Delta R.T.: 0.005 min
Response: 11988580318
Conc: 816.90 ng/ml



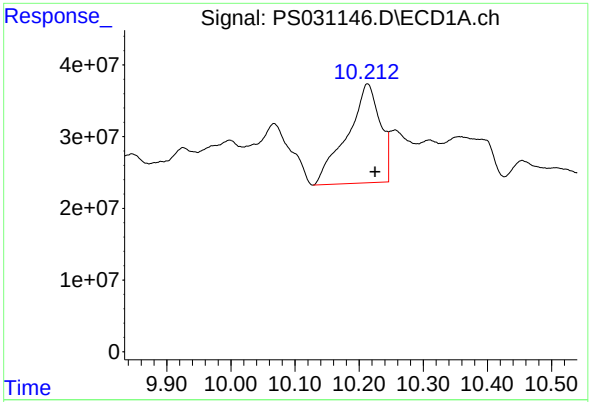
#12 2,4,5-T

R.T.: 9.636 min
Delta R.T.: -0.011 min
Response: 5988215157
Conc: 393.62 ng/ml



#12 2,4,5-T

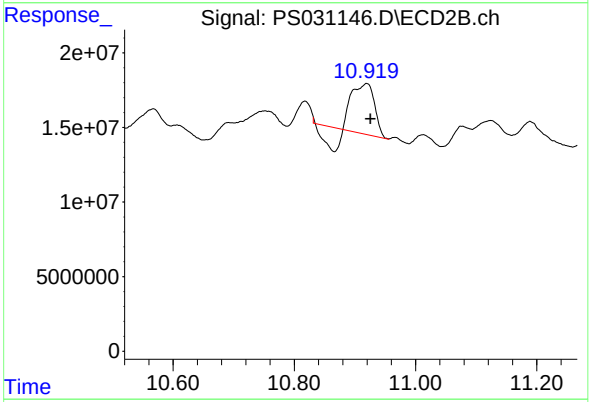
R.T.: 10.354 min
Delta R.T.: -0.004 min
Response: 3889867754
Conc: 278.01 ng/ml



#13 2,4-DB

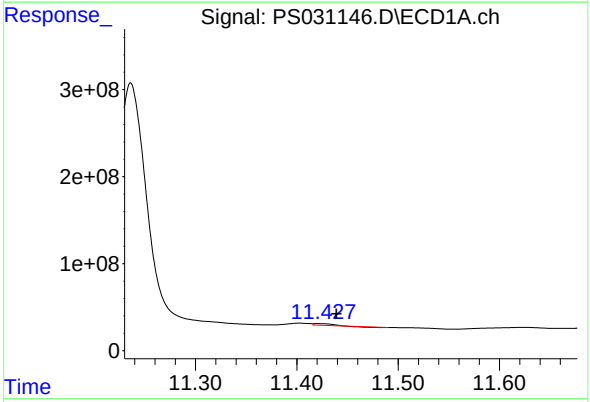
R.T.: 10.213 min
Delta R.T.: -0.012 min
Response: 494103177
Conc: 227.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD



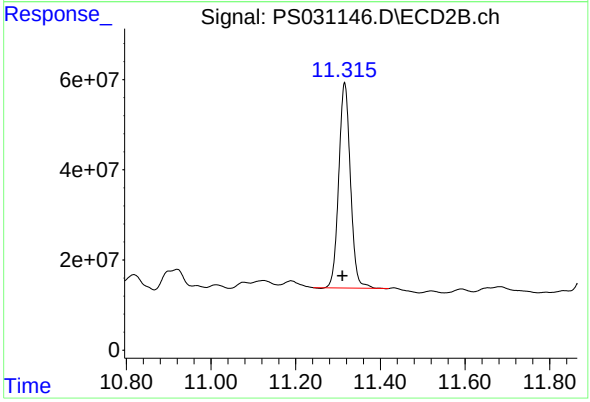
#13 2,4-DB

R.T.: 10.919 min
Delta R.T.: -0.007 min
Response: 69164493
Conc: 58.46 ng/ml



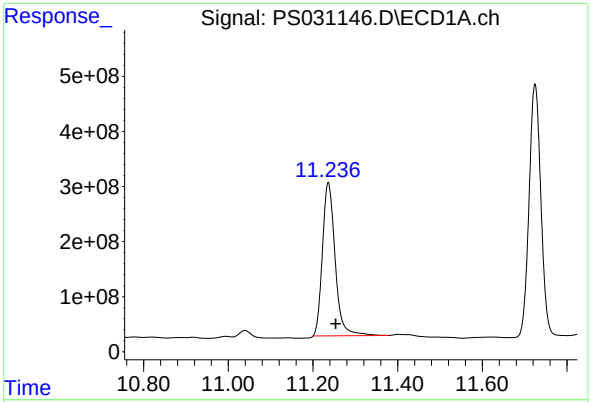
#14 DINOSEB

R.T.: 11.420 min
Delta R.T.: -0.019 min
Response: 18367764
Conc: 1.39 ng/ml



#14 DINOSEB

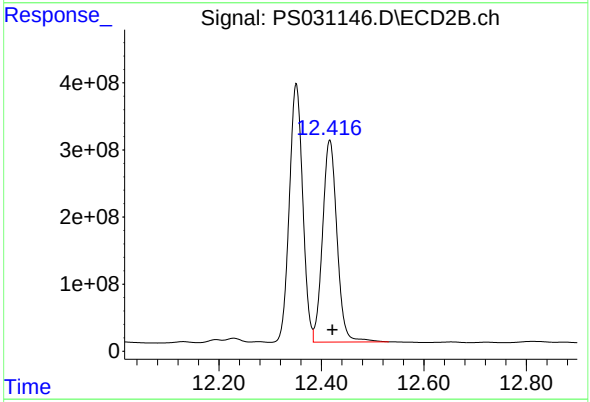
R.T.: 11.316 min
Delta R.T.: 0.005 min
Response: 868653933
Conc: 76.52 ng/ml



#15 Picloram

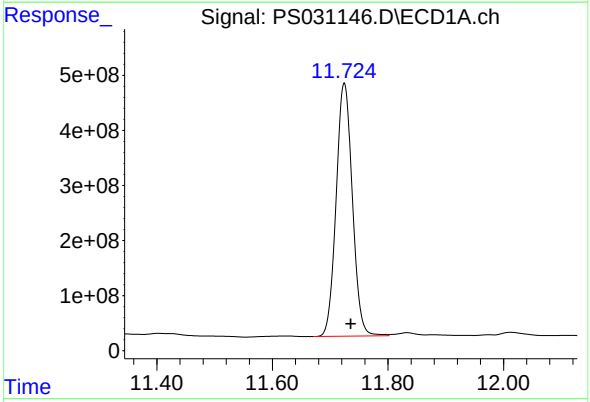
R.T.: 11.236 min
Delta R.T.: -0.018 min
Response: 5799155295
Conc: 397.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-30MSD



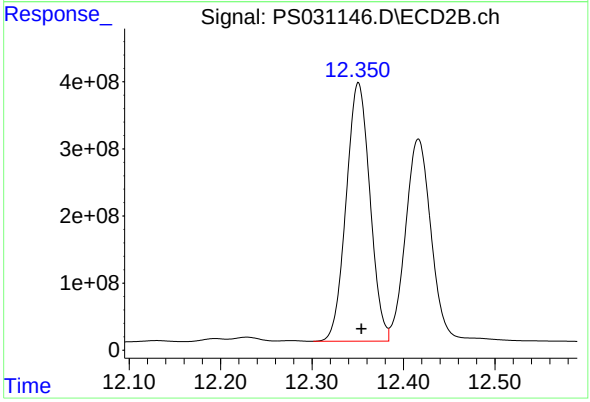
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.005 min
Response: 5900249612
Conc: 251.28 ng/ml



#16 DCPA

R.T.: 11.725 min
Delta R.T.: -0.011 min
Response: 8931118551
Conc: 373.11 ng/ml



#16 DCPA

R.T.: 12.351 min
Delta R.T.: -0.003 min
Response: 6957075742
Conc: 308.49 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jul 2025 01:23
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: Jul 19 06:18:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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	7.324	7.765	2864.9E6	695.6E6	724.371	671.450
		Target Compounds						
1)	T	Dalapon	2.690	2.702	3546.8E6	1690.8E6	582.238	594.769
2)	T	3,5-DICHL...	6.487	6.712	3601.3E6	948.5E6	687.454	611.833
3)	T	4-Nitroph...	7.123	7.299	1163.6E6	1085.4E6	861.925	622.396 #
5)	T	DICAMBA	7.513	7.967	9926.7E6	4142.3E6	632.641	639.591
6)	T	MCPP	7.694	8.066	554.6E6	129.0E6	60.269	60.321
7)	T	MCPA	7.844	8.315	825.6E6	192.8E6	75.693	60.144
8)	T	DICHLORPROP	8.225	8.687	2596.7E6	1011.6E6	762.565	665.820
9)	T	2,4-D	8.456	9.023	2729.8E6	1178.8E6	886.757	693.614
10)	T	Pentachlo...	8.763	9.547	32906.0E6	26234.1E6	654.695	680.785
11)	T	2,4,5-TP ...	9.341	9.928	14871.1E6	9881.8E6	799.059	673.344
12)	T	2,4,5-T	9.635	10.355	13760.0E6	9148.5E6	904.469	653.850 #
13)	T	2,4-DB	10.212	10.923	1978.2E6	745.2E6	911.271	629.861 #
14)	T	DINOSEB	11.425	11.306	9631.0E6	7077.9E6	730.516	623.522
15)	T	Picloram	11.237	12.417	14720.2E6	16429.1E6	1010.172	699.688 #
16)	T	DCPA	11.723	12.351	19156.3E6	14910.4E6	800.273	661.156

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

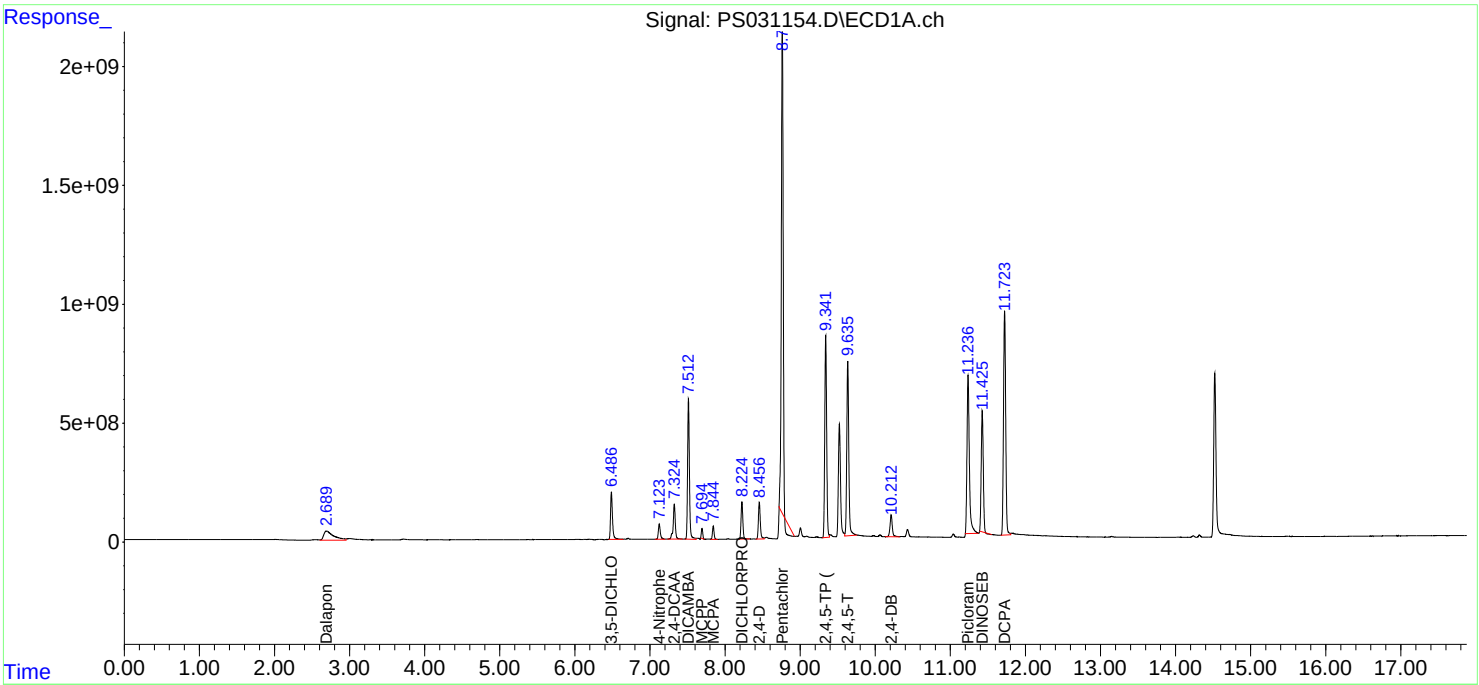
Quantitation Report (Not Reviewed)

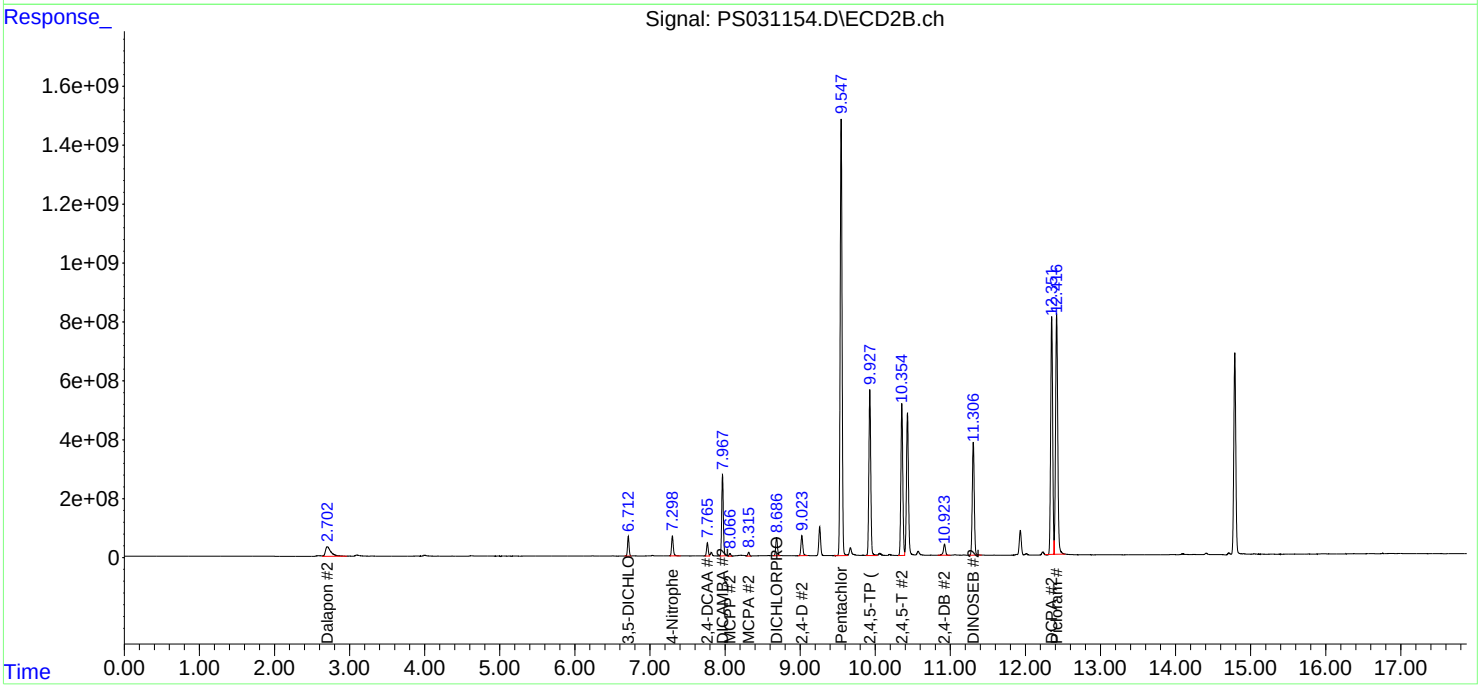
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jul 2025 01:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

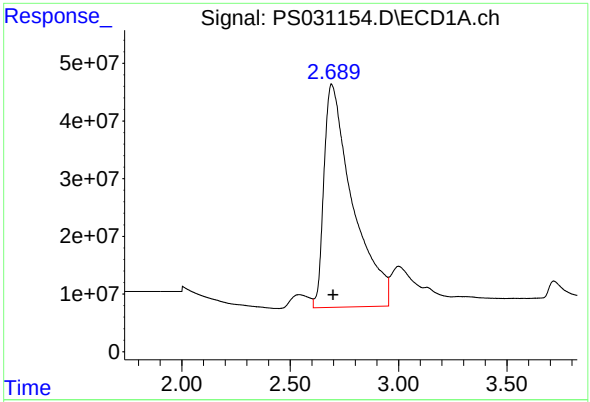
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:18:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 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



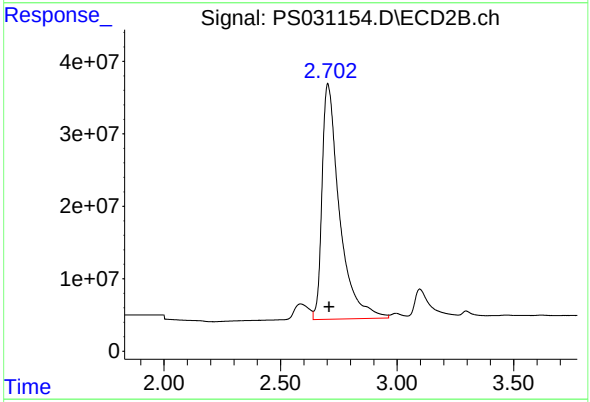




#1 Dalapon

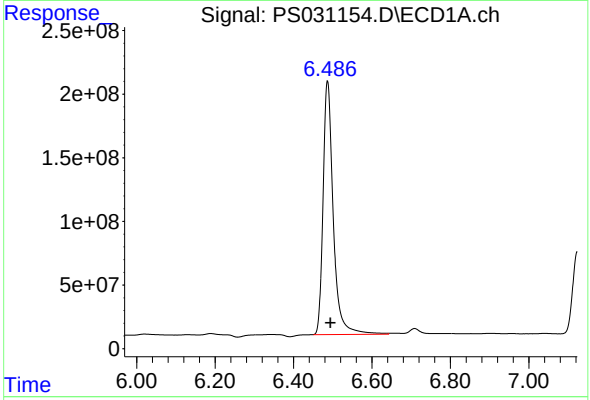
R.T.: 2.690 min
Delta R.T.: -0.008 min
Response: 3546835514
Conc: 582.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



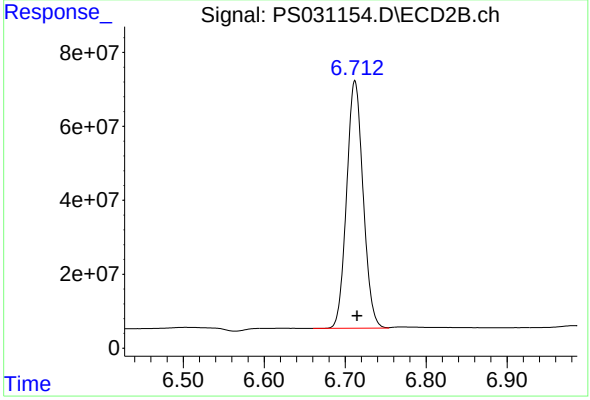
#1 Dalapon

R.T.: 2.702 min
Delta R.T.: -0.006 min
Response: 1690845702
Conc: 594.77 ng/ml



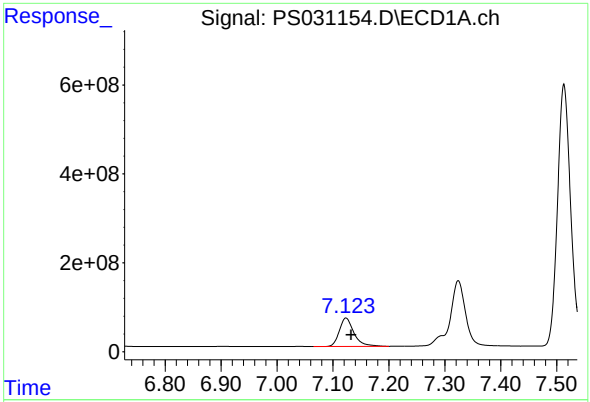
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: -0.007 min
Response: 3601298058
Conc: 687.45 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

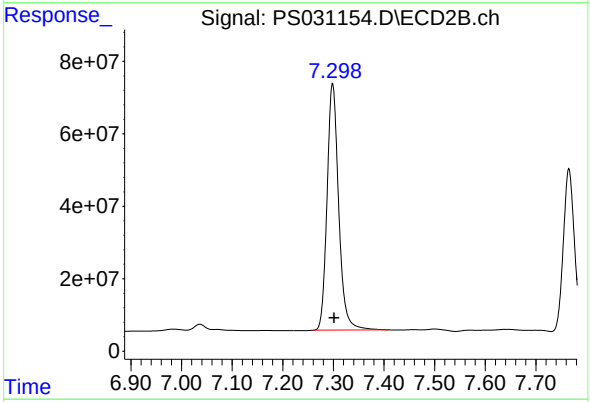
R.T.: 6.712 min
Delta R.T.: -0.003 min
Response: 948547659
Conc: 611.83 ng/ml



#3 4-Nitrophenol

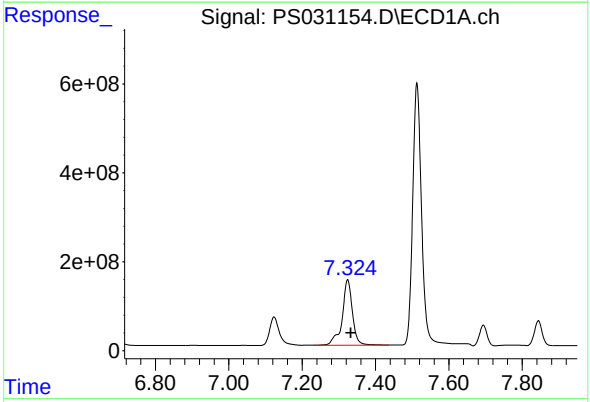
R.T.: 7.123 min
Delta R.T.: -0.009 min
Response: 1163605195
Conc: 861.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



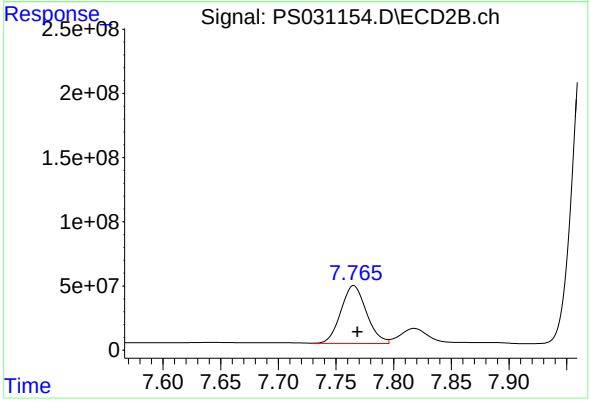
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.003 min
Response: 1085390069
Conc: 622.40 ng/ml



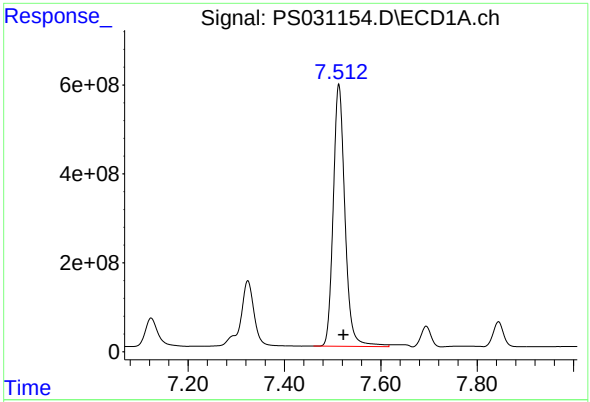
#4 2,4-DCAA

R.T.: 7.324 min
Delta R.T.: -0.009 min
Response: 2864942412
Conc: 724.37 ng/ml



#4 2,4-DCAA

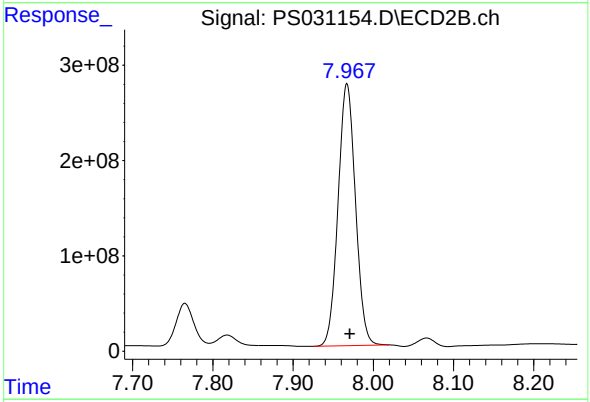
R.T.: 7.765 min
Delta R.T.: -0.003 min
Response: 695644323
Conc: 671.45 ng/ml



#5 DICAMBA

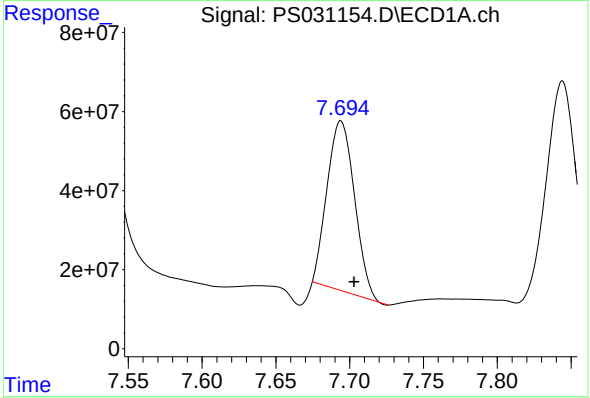
R.T.: 7.513 min
Delta R.T.: -0.010 min
Response: 9926716495
Conc: 632.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



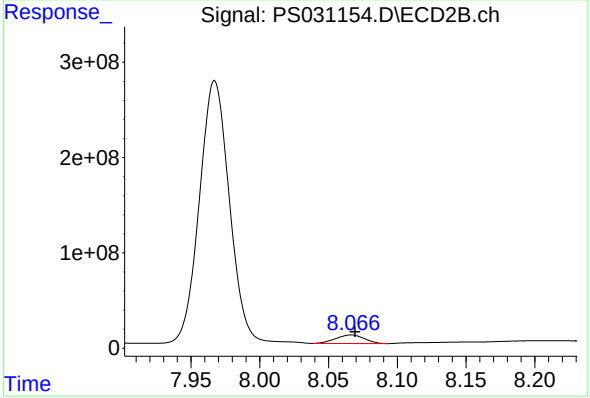
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.003 min
Response: 4142262302
Conc: 639.59 ng/ml



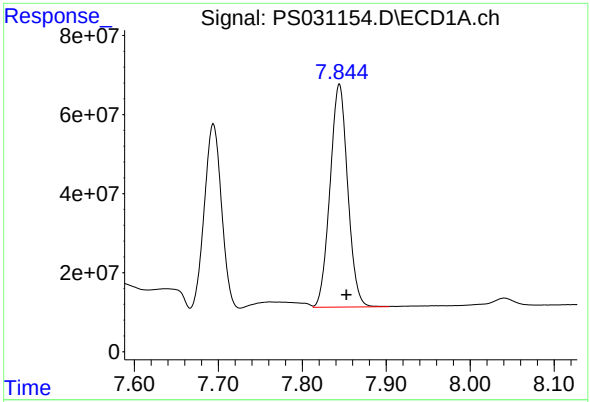
#6 MCPP

R.T.: 7.694 min
Delta R.T.: -0.009 min
Response: 554552111
Conc: 60.27 ug/ml



#6 MCPP

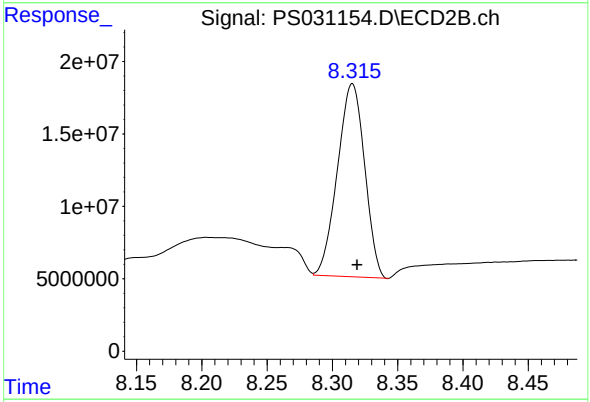
R.T.: 8.066 min
Delta R.T.: -0.003 min
Response: 128961953
Conc: 60.32 ug/ml



#7 MCPA

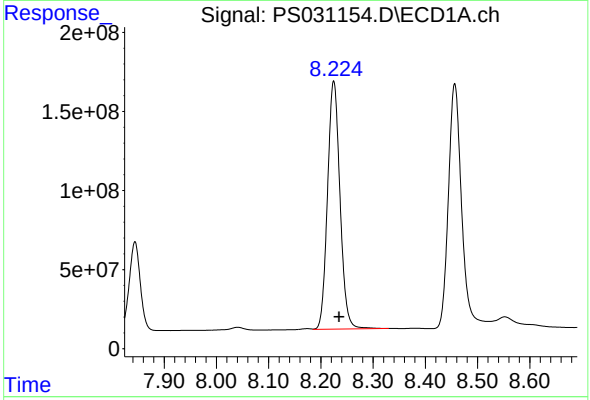
R.T.: 7.844 min
Delta R.T.: -0.009 min
Response: 825566403
Conc: 75.69 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



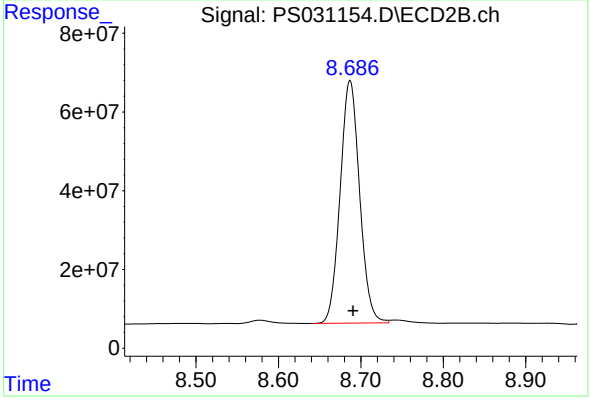
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.004 min
Response: 192801559
Conc: 60.14 ug/ml



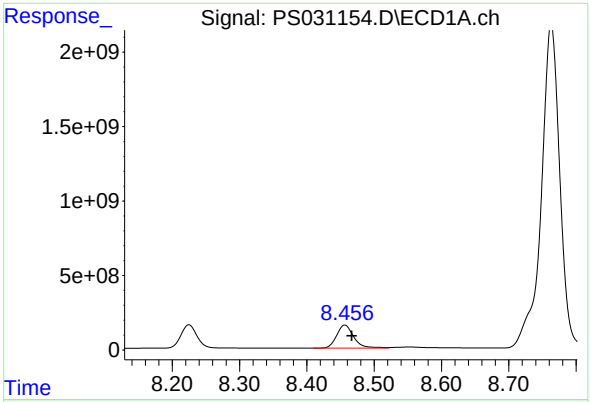
#8 DICHLORPROP

R.T.: 8.225 min
Delta R.T.: -0.010 min
Response: 2596651501
Conc: 762.56 ng/ml



#8 DICHLORPROP

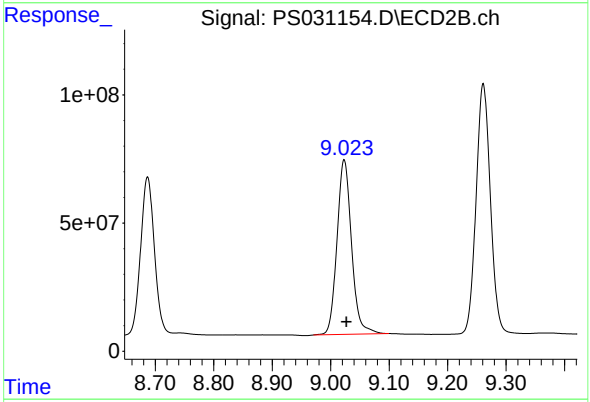
R.T.: 8.687 min
Delta R.T.: -0.004 min
Response: 1011553653
Conc: 665.82 ng/ml



#9 2,4-D

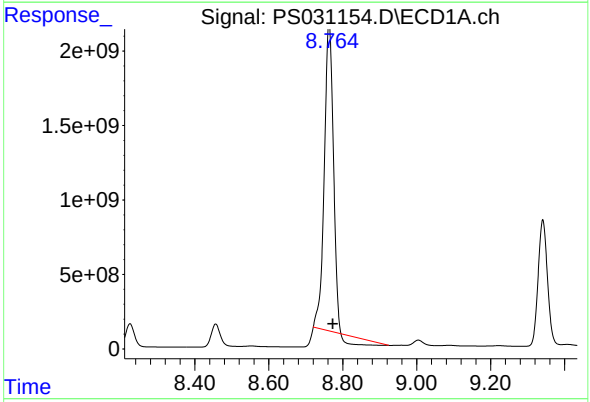
R.T.: 8.456 min
Delta R.T.: -0.011 min
Response: 2729823426
Conc: 886.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



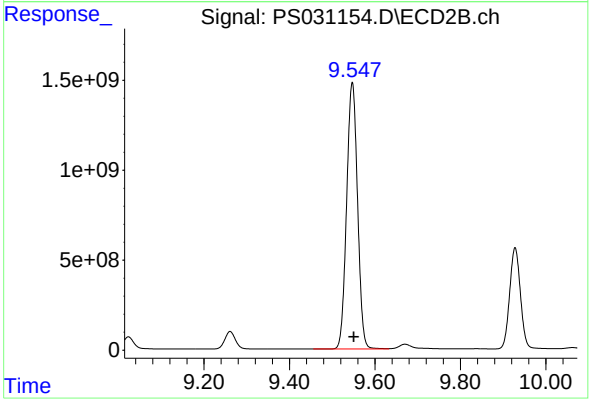
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: -0.004 min
Response: 1178772599
Conc: 693.61 ng/ml



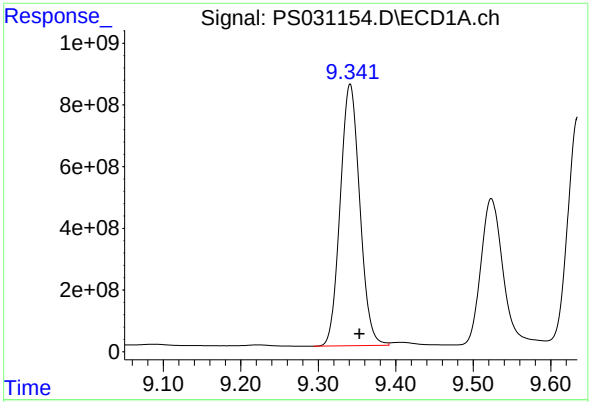
#10 Pentachlorophenol

R.T.: 8.763 min
Delta R.T.: -0.010 min
Response: 32906010549
Conc: 654.70 ng/ml



#10 Pentachlorophenol

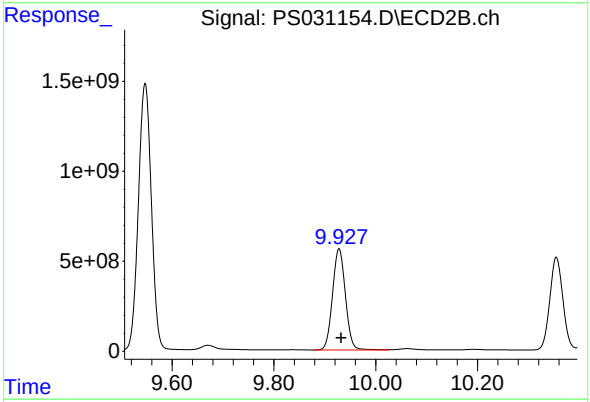
R.T.: 9.547 min
Delta R.T.: -0.003 min
Response: 26234088984
Conc: 680.78 ng/ml



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

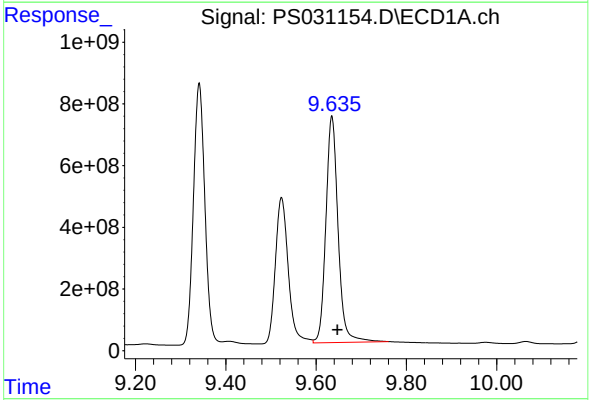
R.T.: 9.341 min
Delta R.T.: -0.012 min
Response: 14871065411
Conc: 799.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



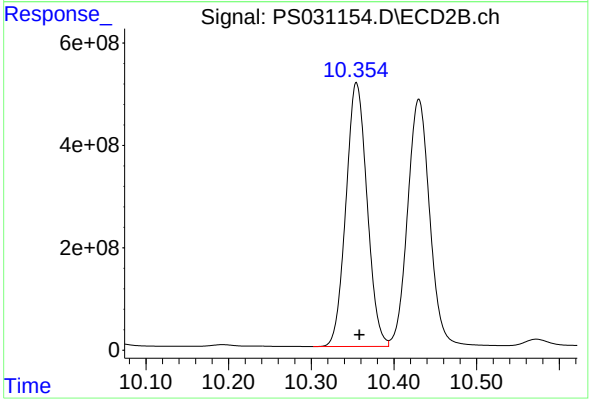
#11 2,4,5-TP (SILVEX)

R.T.: 9.928 min
Delta R.T.: -0.004 min
Response: 9881846318
Conc: 673.34 ng/ml



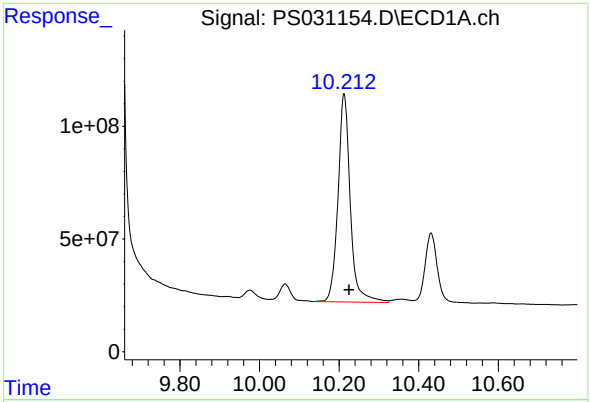
#12 2,4,5-T

R.T.: 9.635 min
Delta R.T.: -0.012 min
Response: 13759973775
Conc: 904.47 ng/ml



#12 2,4,5-T

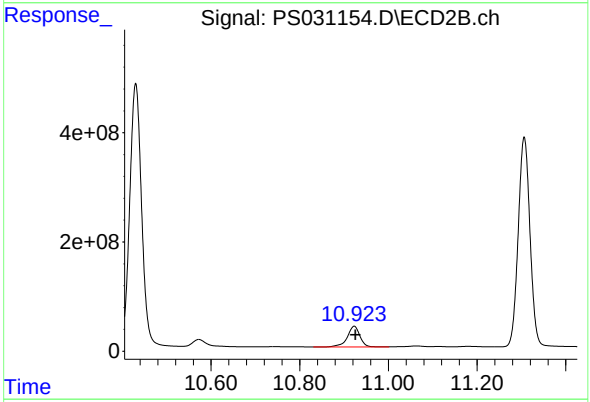
R.T.: 10.355 min
Delta R.T.: -0.004 min
Response: 9148546193
Conc: 653.85 ng/ml



#13 2,4-DB

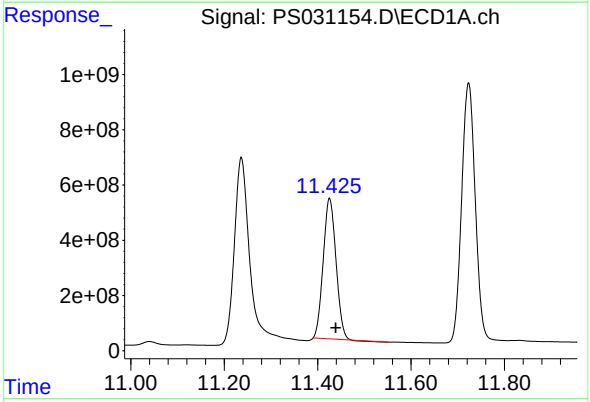
R.T.: 10.212 min
Delta R.T.: -0.013 min
Response: 1978177450
Conc: 911.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



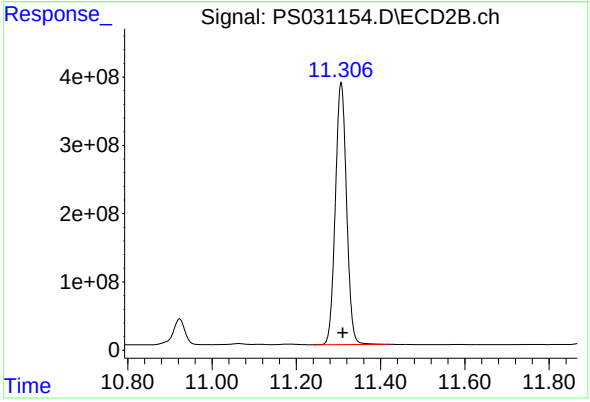
#13 2,4-DB

R.T.: 10.923 min
Delta R.T.: -0.003 min
Response: 745240561
Conc: 629.86 ng/ml



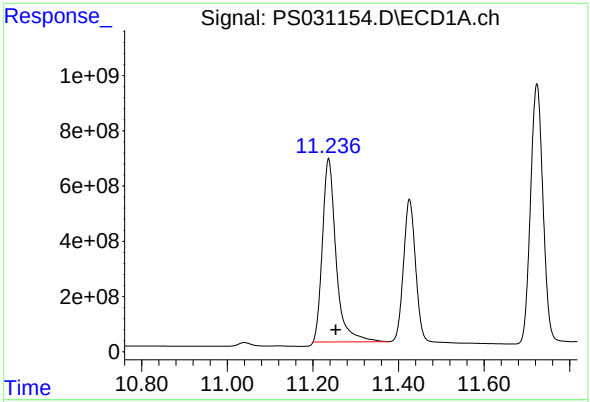
#14 DINOSEB

R.T.: 11.425 min
Delta R.T.: -0.014 min
Response: 9631048874
Conc: 730.52 ng/ml



#14 DINOSEB

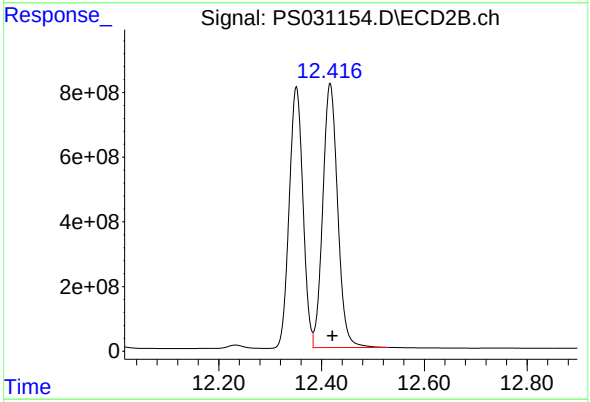
R.T.: 11.306 min
Delta R.T.: -0.004 min
Response: 7077925704
Conc: 623.52 ng/ml



#15 Picloram

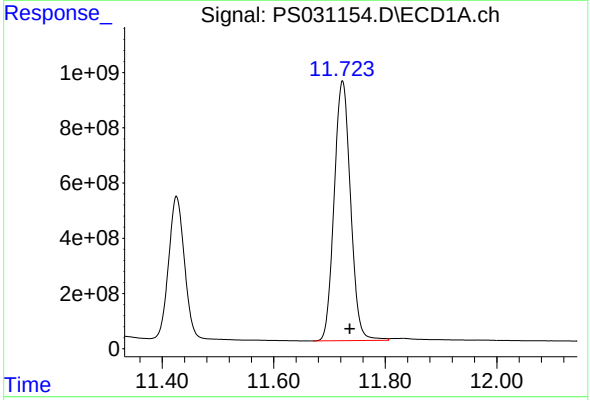
R.T.: 11.237 min
Delta R.T.: -0.017 min
Response: 14720176413
Conc: 1010.17 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



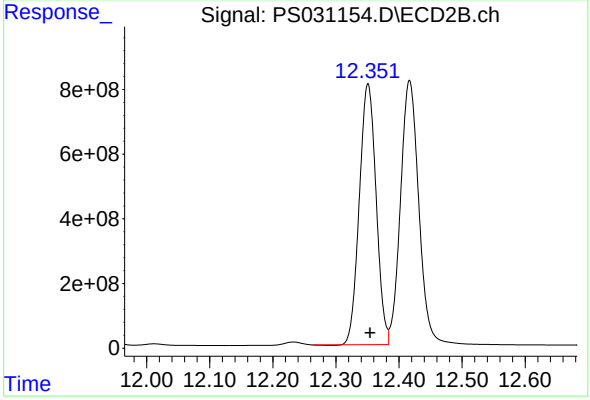
#15 Picloram

R.T.: 12.417 min
Delta R.T.: -0.004 min
Response: 16429142502
Conc: 699.69 ng/ml



#16 DCPA

R.T.: 11.723 min
Delta R.T.: -0.013 min
Response: 19156284582
Conc: 800.27 ng/ml



#16 DCPA

R.T.: 12.351 min
Delta R.T.: -0.003 min
Response: 14910372226
Conc: 661.16 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031158.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:26
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: Jul 22 03:09:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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	7.326	7.767	2018.8E6	519.9E6	475.156	526.012
	Target Compounds						
1) T	Dalapon	2.690	2.705	2959.3E6	1321.5E6	478.152	474.374
2) T	3,5-DICHL...	6.487	6.714	2659.6E6	740.5E6	495.188	497.017
3) T	4-Nitroph...	7.125	7.301	767.9E6	829.3E6	478.348	464.714
5) T	DICAMBA	7.514	7.969	7996.5E6	3086.5E6	491.494	480.989
6) T	MCPP	7.694	8.066	467.8E6	100.3E6	45.447	46.925
7) T	MCPA	7.843	8.314	579.7E6	149.5E6	46.099	47.317
8) T	DICHLORPROP	8.226	8.689	1838.1E6	729.4E6	498.986	495.087
9) T	2,4-D	8.458	9.026	1795.7E6	819.0E6	491.384	494.516
10) T	Pentachlo...	8.763	9.548	29107.7E6	19707.8E6	507.927	493.167
11) T	2,4,5-TP ...	9.343	9.930	10820.5E6	7341.1E6	500.052	494.651
12) T	2,4,5-T	9.637	10.357	9577.2E6	6973.3E6	490.924	492.588
13) T	2,4-DB	10.214	10.925	1431.5E6	570.7E6	483.190	493.144
14) T	DINOSEB	11.428	11.309	7542.8E6	5427.1E6	489.222	482.587
15) T	Picloram	11.240	12.420	9521.9E6	12061.4E6	472.975	474.969
16) T	DCPA	11.726	12.353	14463.8E6	11492.2E6	510.682	496.241

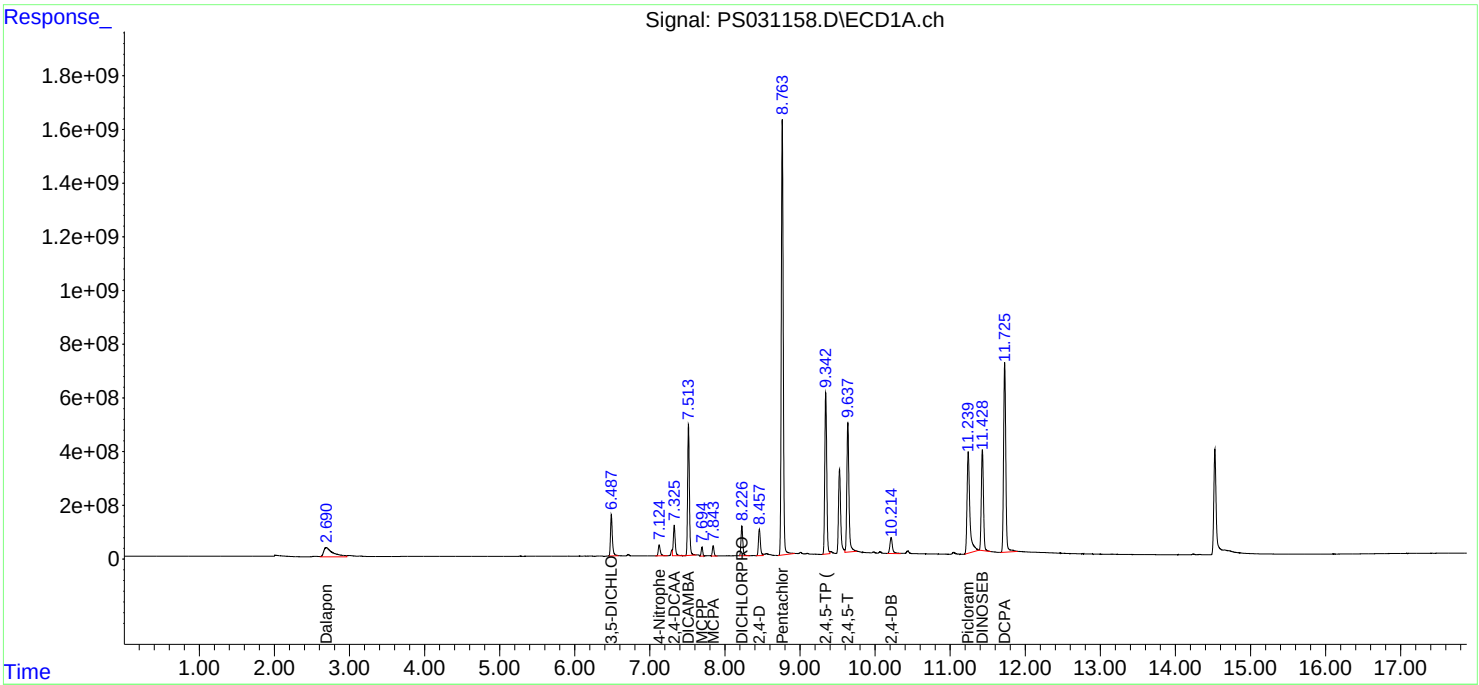
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

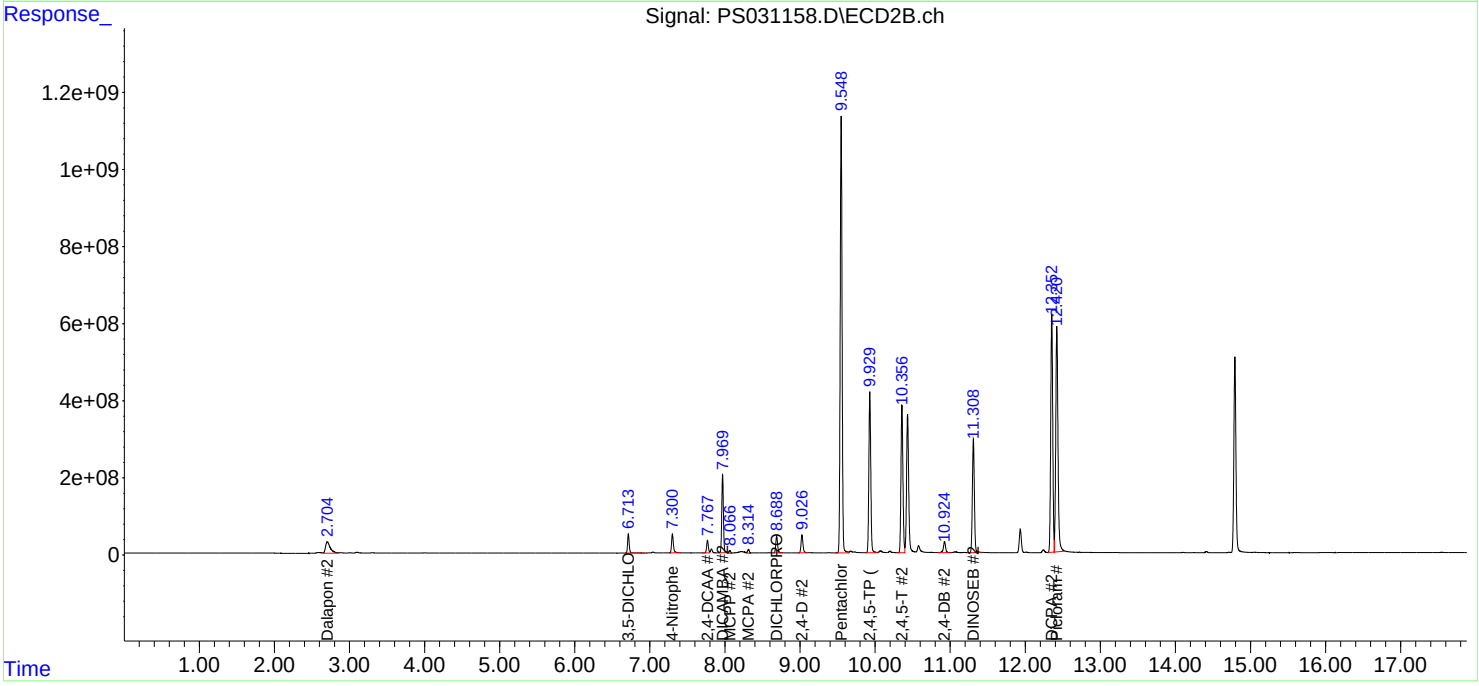
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031158.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:26
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

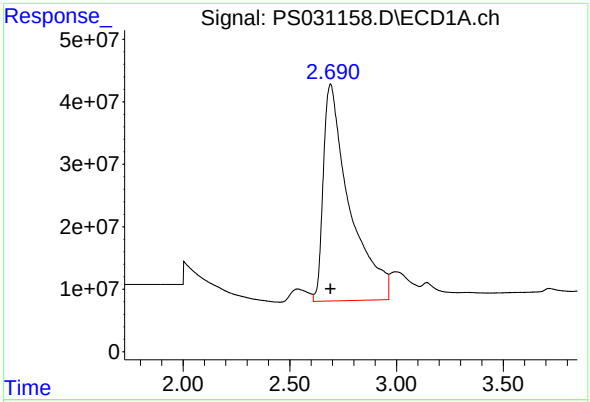
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:09:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 02:56:38 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



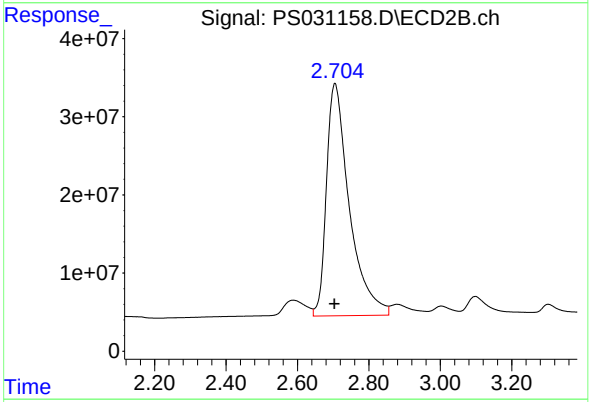




#1 Dalapon

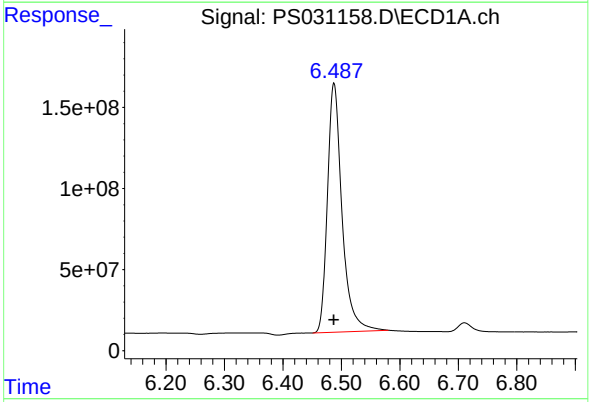
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 2959298028
Conc: 478.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



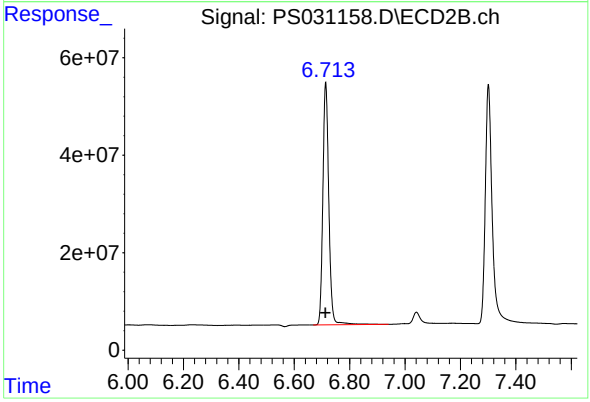
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: 0.001 min
Response: 1321530235
Conc: 474.37 ng/ml



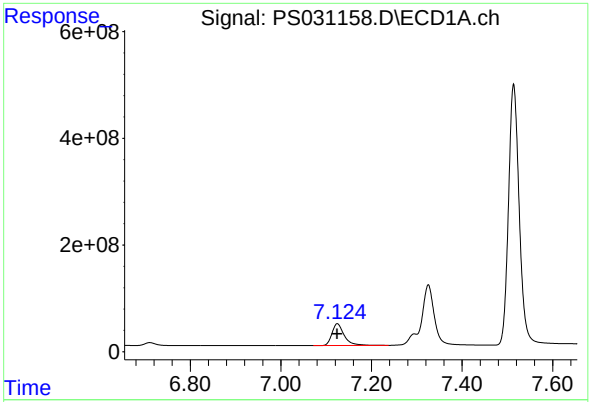
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: 0.000 min
Response: 2659579107
Conc: 495.19 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

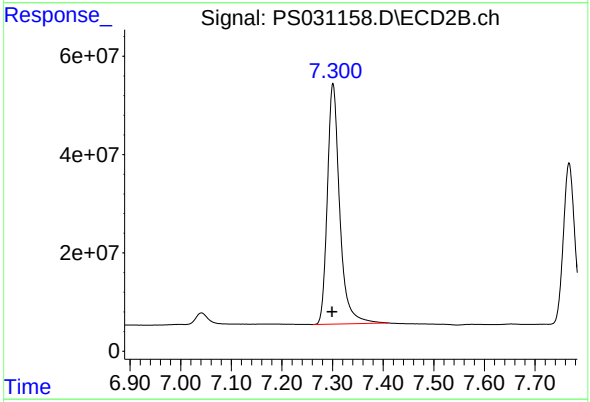
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 740511149
Conc: 497.02 ng/ml



#3 4-Nitrophenol

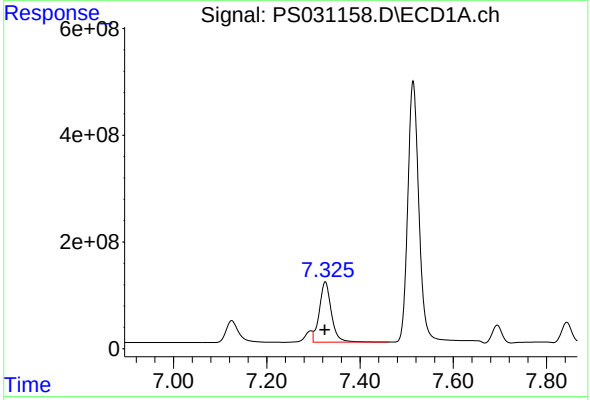
R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 767894643
Conc: 478.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



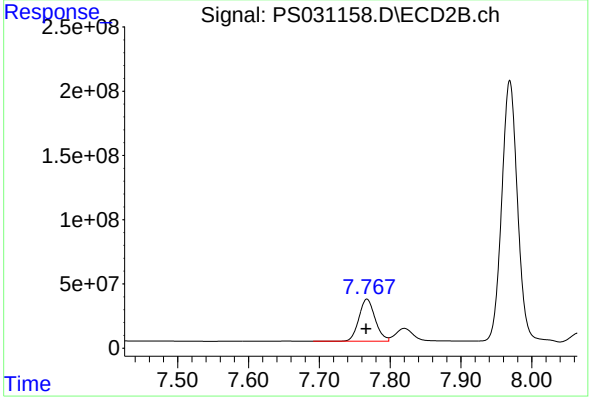
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.002 min
Response: 829273311
Conc: 464.71 ng/ml



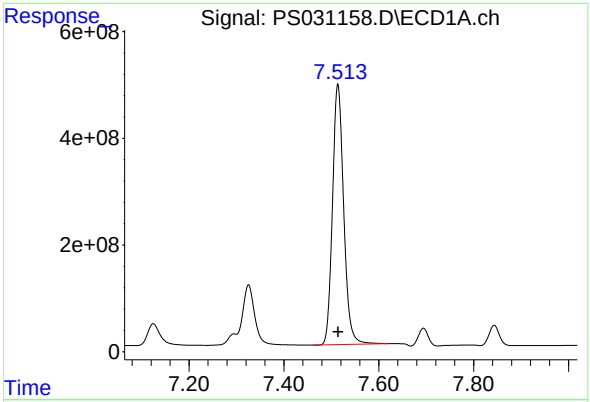
#4 2,4-DCAA

R.T.: 7.326 min
Delta R.T.: 0.001 min
Response: 2018803577
Conc: 475.16 ng/ml



#4 2,4-DCAA

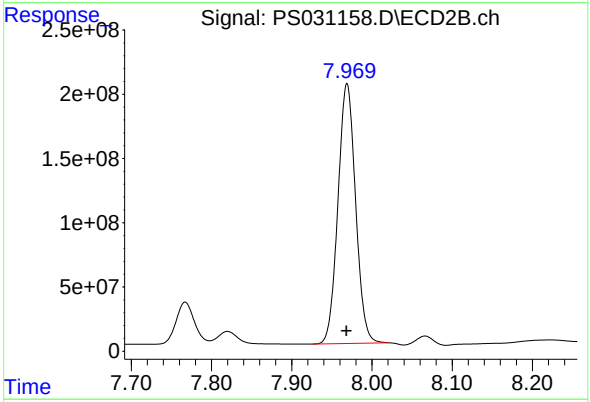
R.T.: 7.767 min
Delta R.T.: 0.001 min
Response: 519906660
Conc: 526.01 ng/ml



#5 DICAMBA

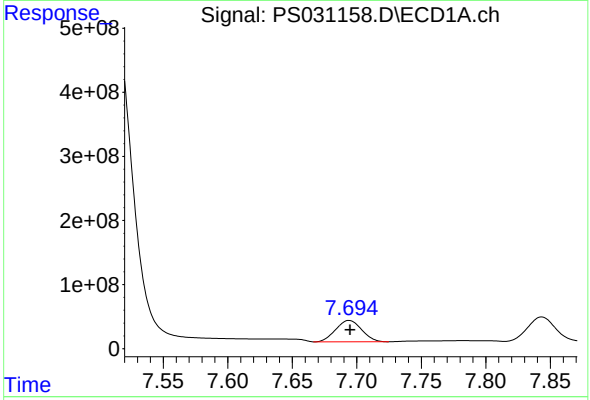
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 7996510974
Conc: 491.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



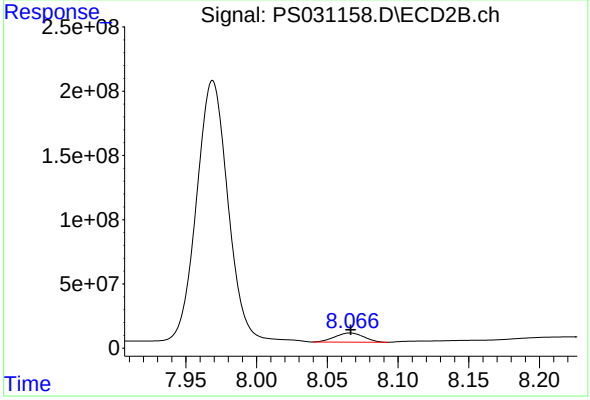
#5 DICAMBA

R.T.: 7.969 min
Delta R.T.: 0.001 min
Response: 3086481070
Conc: 480.99 ng/ml



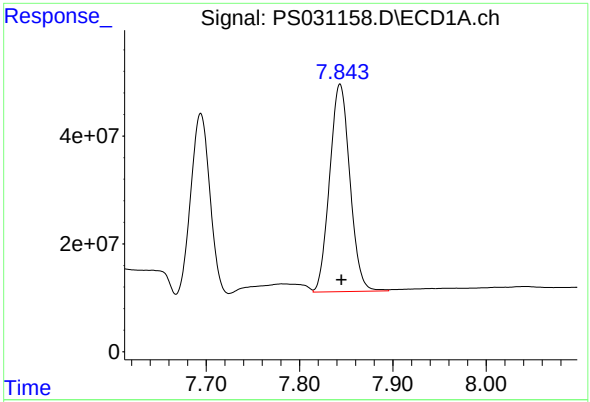
#6 MCPP

R.T.: 7.694 min
Delta R.T.: 0.000 min
Response: 467826179
Conc: 45.45 ug/ml



#6 MCPP

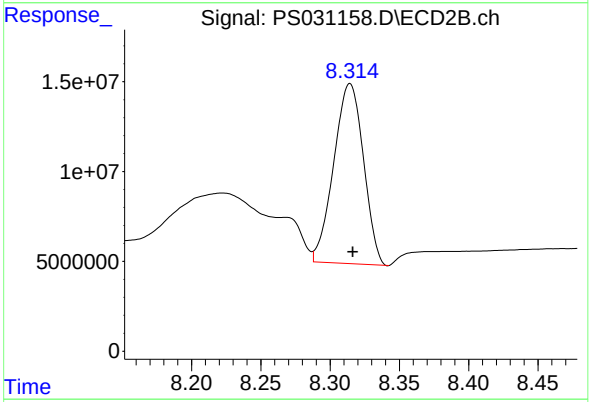
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 100345918
Conc: 46.92 ug/ml



#7 MCPA

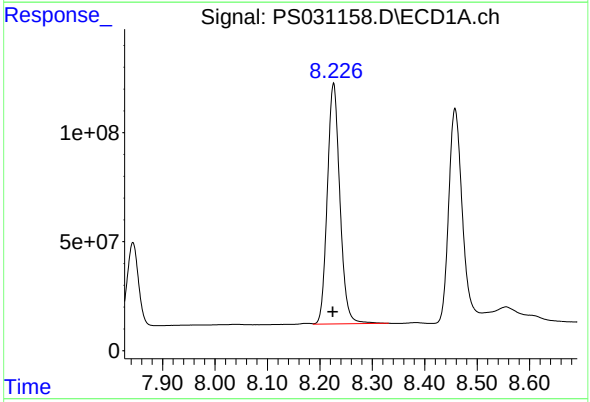
R.T.: 7.843 min
Delta R.T.: -0.001 min
Response: 579732469
Conc: 46.10 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



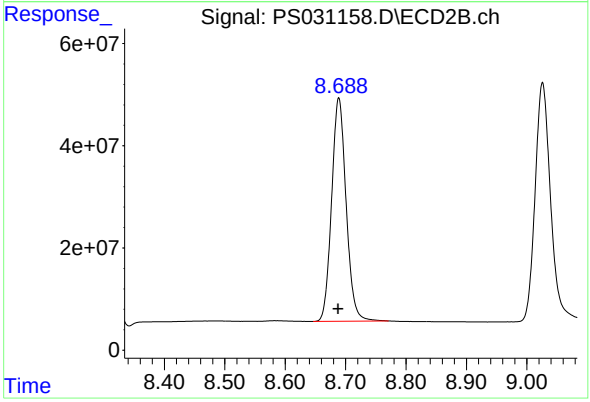
#7 MCPA

R.T.: 8.314 min
Delta R.T.: -0.002 min
Response: 149500104
Conc: 47.32 ug/ml



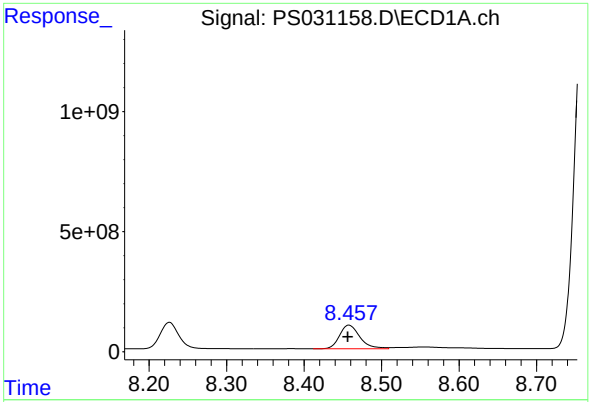
#8 DICHLORPROP

R.T.: 8.226 min
Delta R.T.: 0.002 min
Response: 1838072799
Conc: 498.99 ng/ml



#8 DICHLORPROP

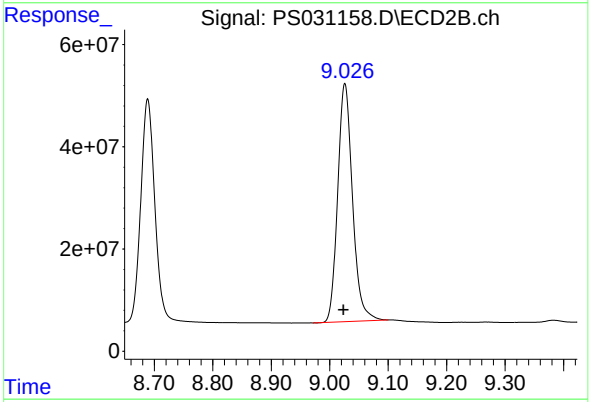
R.T.: 8.689 min
Delta R.T.: 0.001 min
Response: 729443662
Conc: 495.09 ng/ml



#9 2,4-D

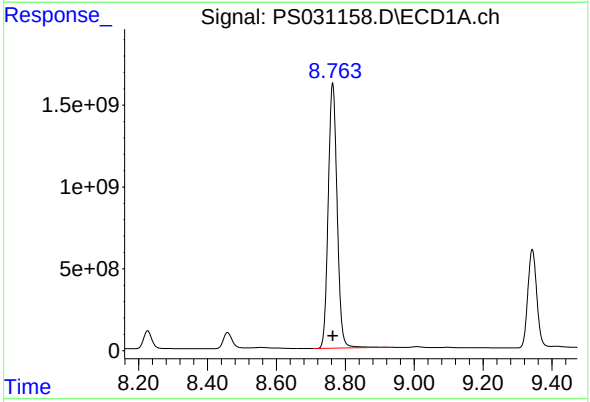
R.T.: 8.458 min
Delta R.T.: 0.001 min
Response: 1795744990
Conc: 491.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



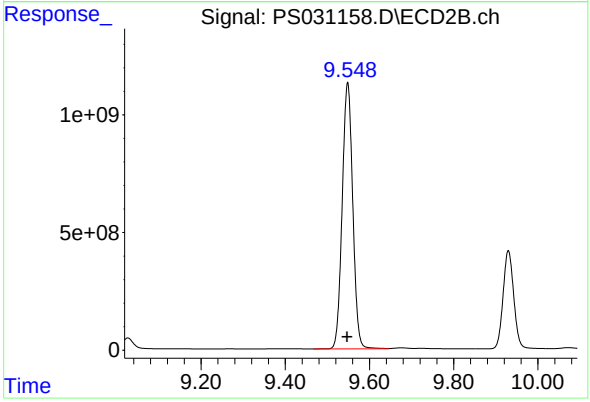
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.002 min
Response: 819019953
Conc: 494.52 ng/ml



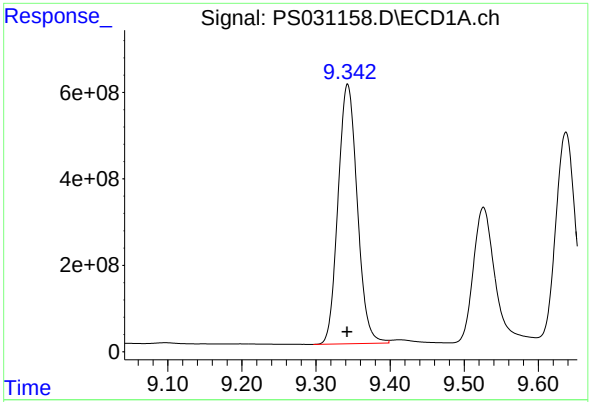
#10 Pentachlorophenol

R.T.: 8.763 min
Delta R.T.: 0.000 min
Response: 29107710379
Conc: 507.93 ng/ml



#10 Pentachlorophenol

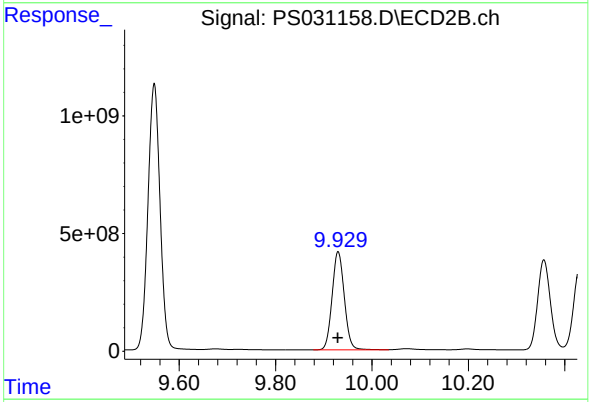
R.T.: 9.548 min
Delta R.T.: 0.001 min
Response: 19707796449
Conc: 493.17 ng/ml



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

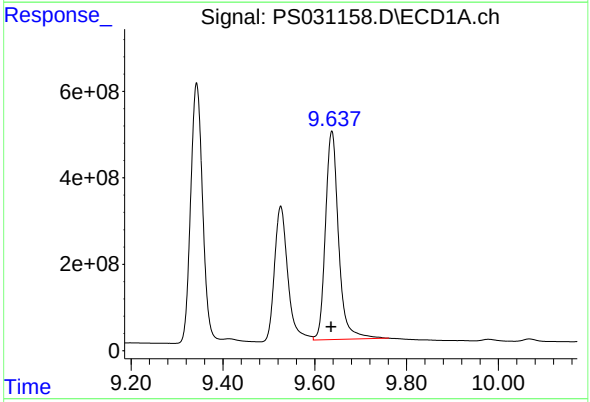
R.T.: 9.343 min
Delta R.T.: 0.000 min
Response: 10820483706
Conc: 500.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



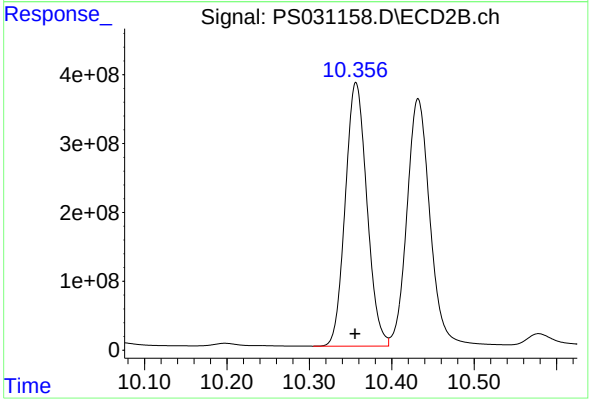
#11 2,4,5-TP (SILVEX)

R.T.: 9.930 min
Delta R.T.: 0.001 min
Response: 7341058970
Conc: 494.65 ng/ml



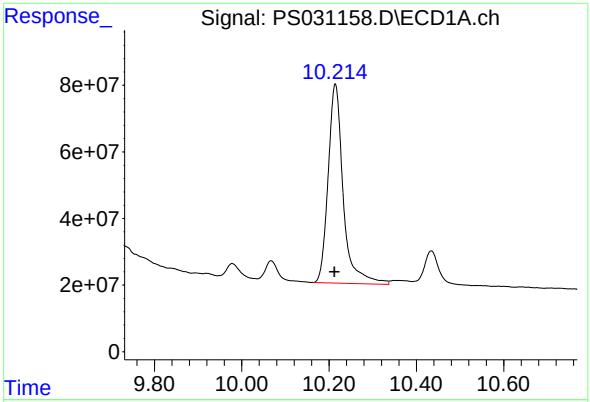
#12 2,4,5-T

R.T.: 9.637 min
Delta R.T.: 0.001 min
Response: 9577192088
Conc: 490.92 ng/ml



#12 2,4,5-T

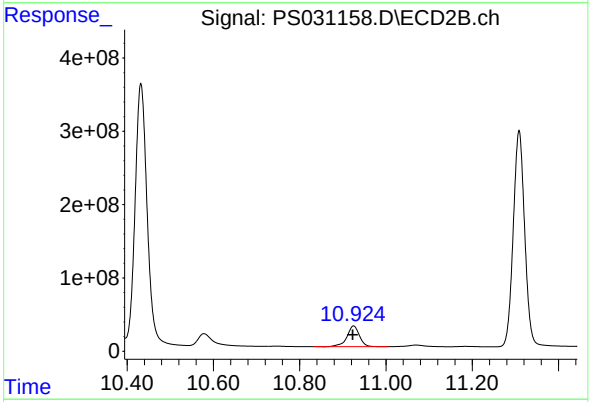
R.T.: 10.357 min
Delta R.T.: 0.001 min
Response: 6973310939
Conc: 492.59 ng/ml



#13 2,4-DB

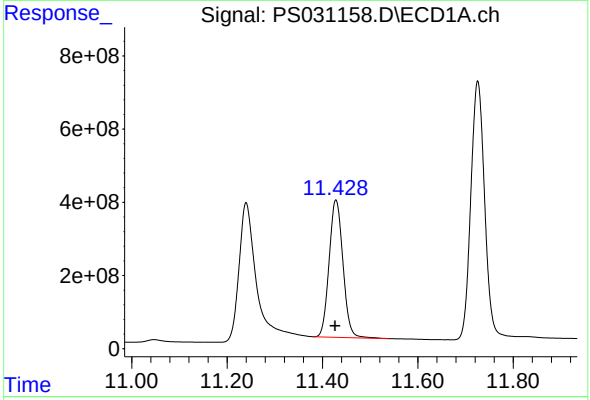
R.T.: 10.214 min
Delta R.T.: 0.002 min
Response: 1431511568
Conc: 483.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



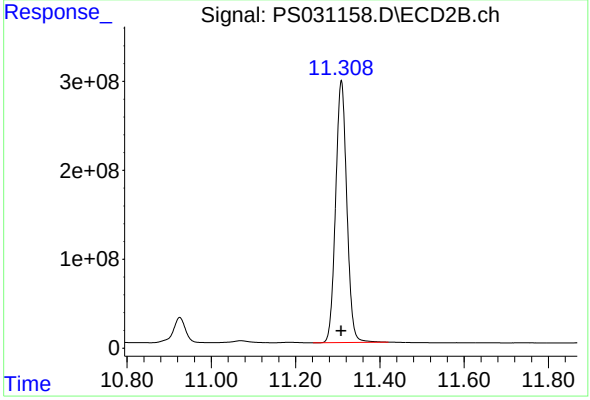
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.002 min
Response: 570663468
Conc: 493.14 ng/ml



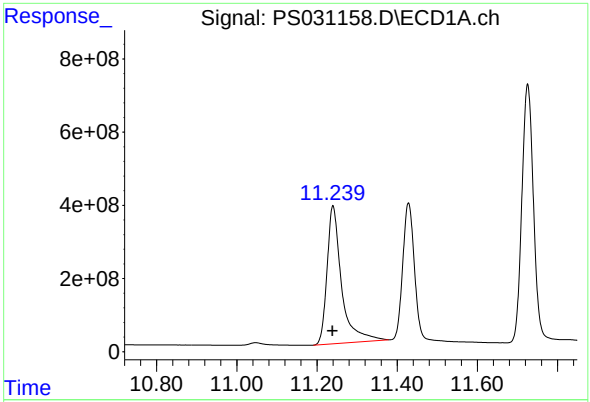
#14 DINOSEB

R.T.: 11.428 min
Delta R.T.: 0.002 min
Response: 7542802456
Conc: 489.22 ng/ml



#14 DINOSEB

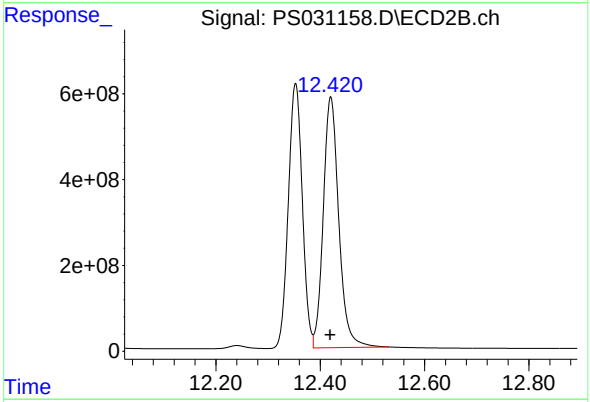
R.T.: 11.309 min
Delta R.T.: 0.000 min
Response: 5427075463
Conc: 482.59 ng/ml



#15 Picloram

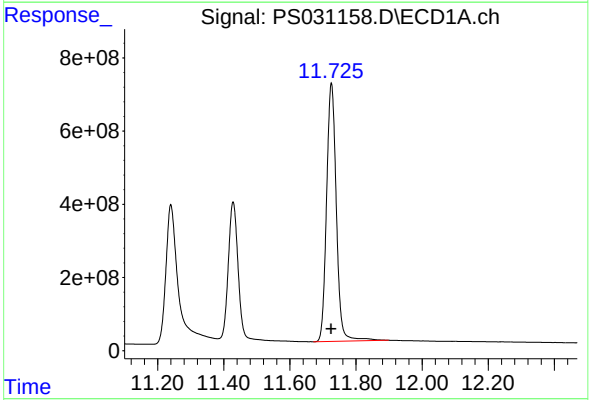
R.T.: 11.240 min
Delta R.T.: 0.001 min
Response: 9521922595
Conc: 472.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



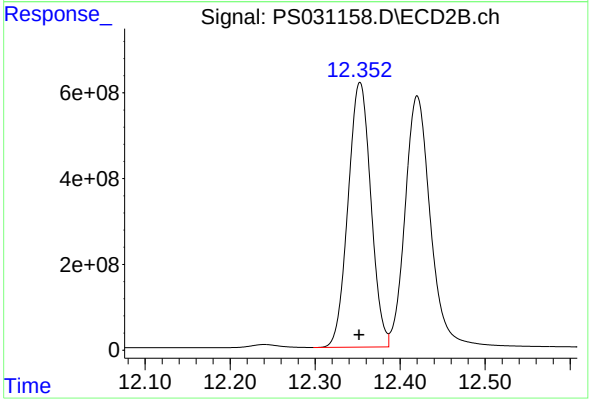
#15 Picloram

R.T.: 12.420 min
Delta R.T.: 0.002 min
Response: 12061381092
Conc: 474.97 ng/ml



#16 DCPA

R.T.: 11.726 min
Delta R.T.: 0.001 min
Response: 14463775237
Conc: 510.68 ng/ml



#16 DCPA

R.T.: 12.353 min
Delta R.T.: 0.001 min
Response: 11492194583
Conc: 496.24 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:12
Operator : AR\AJ
Sample : Q2555-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:54:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.322	7.764	716.8E6	258.3E6	164.853	254.485	#
	Target Compounds							
1) T	Dalapon	2.655f	2.691	1579.1E6	1795.1E6	251.738	632.787	#
2) T	3,5-DICHL...	6.508	6.682f	11266582	20007273	2.040	12.993	#
3) T	4-Nitroph...	7.082f	7.290	15974526	33301088	9.689	18.405	#
5) T	DICAMBA	7.526	7.973	17216744	2354748	1.044	<MDL	#
6) T	MCPP	7.676	8.071	17500420	34225576	1.748	16.472	#
7) T	MCPA	7.851	8.280f	48683645	143.9E6	3.890	45.611	#
8) T	DICHLORPROP	8.193f	8.700	28212885	23865059	7.382	15.754	#
10) T	Pentachlo...	8.751	9.541	15347905	21900928	<MDL	<MDL	#
11) T	2,4,5-TP ...	9.347	9.900f	25477045	80458891	1.160	5.402	#
12) T	2,4,5-T	9.602f	10.354	33476905	353.6E6	1.714	24.864	#
13) T	2,4-DB	10.203	10.898	157.0E6	-61076646	52.510	N.D.	#
14) T	DINOSEB	11.437	11.314	37338025	1723.1E6	2.398	152.458	#
15) T	Picloram	11.238	12.420	83793646	85279444	4.188	3.426	
16) T	DCPA	11.690f	12.314f	19029951	18163220	<MDL	<MDL	#

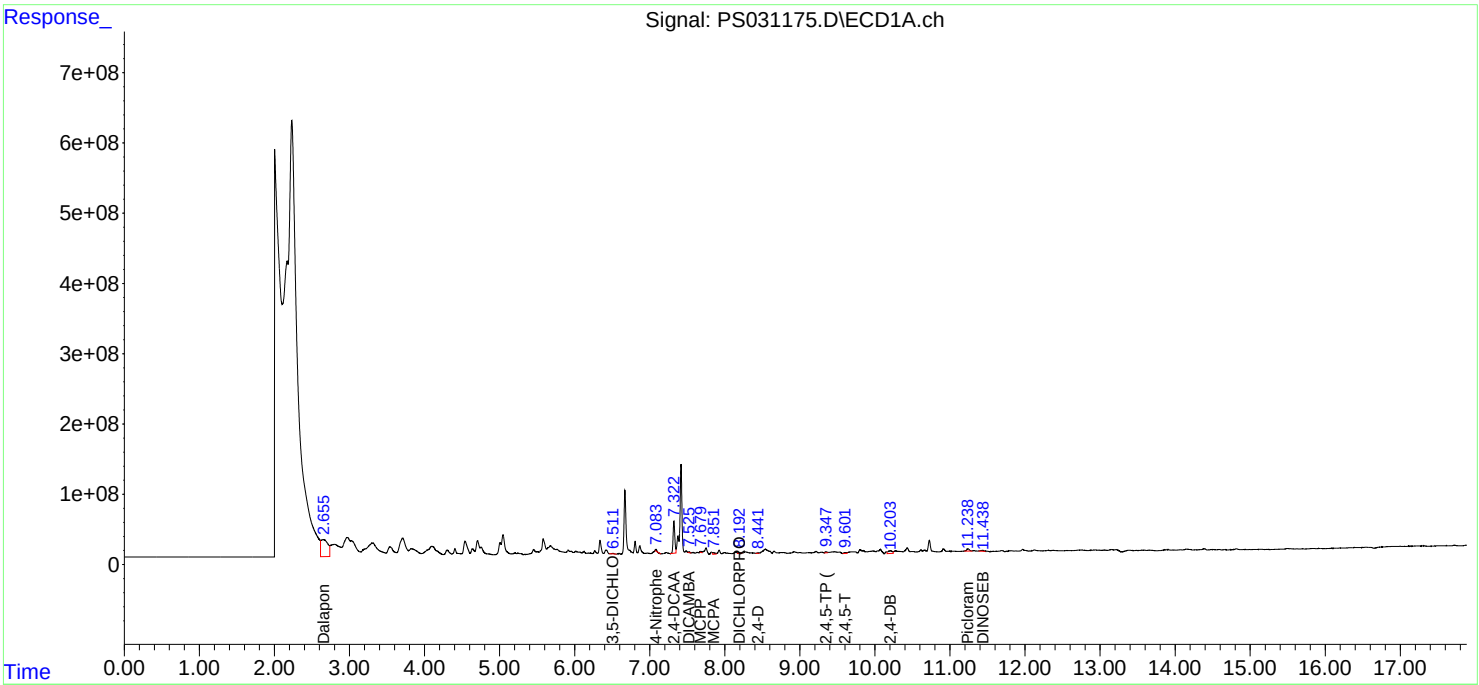
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

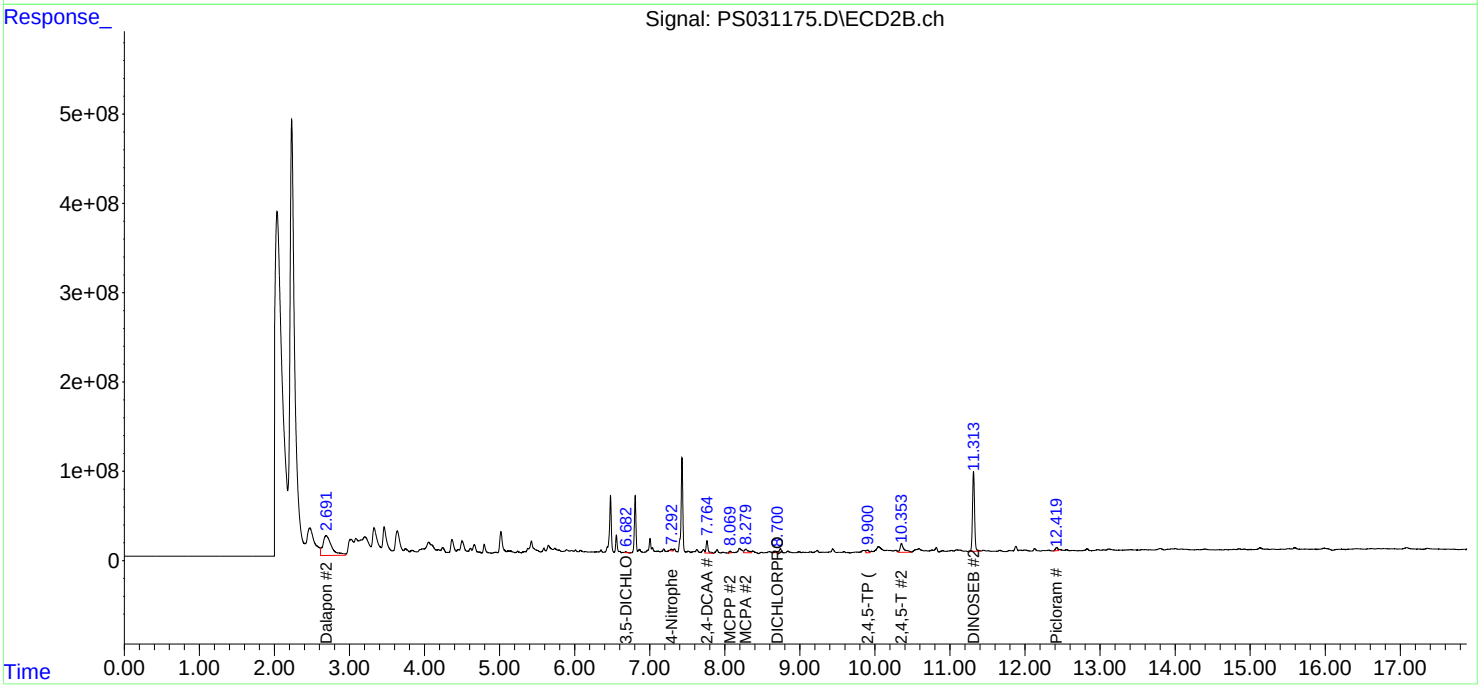
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 14:12
Operator : AR\AJ
Sample : Q2555-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

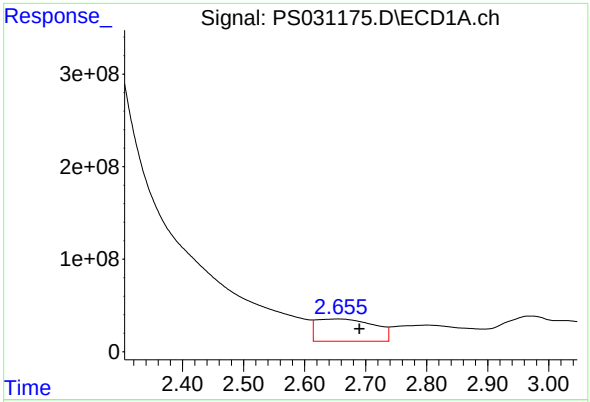
Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:54:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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



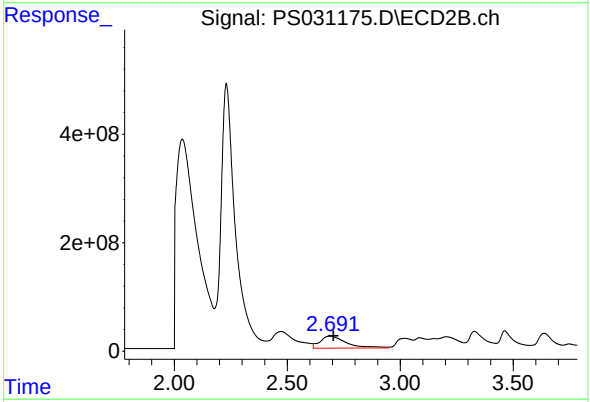




#1 Dalapon

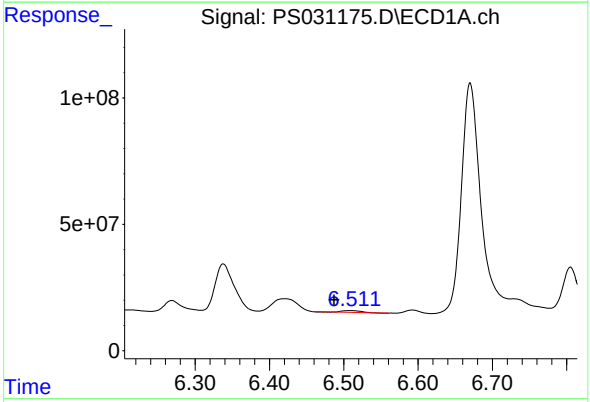
R.T.: 2.655 min
Delta R.T.: -0.035 min
Response: 1579127855
Conc: 251.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925



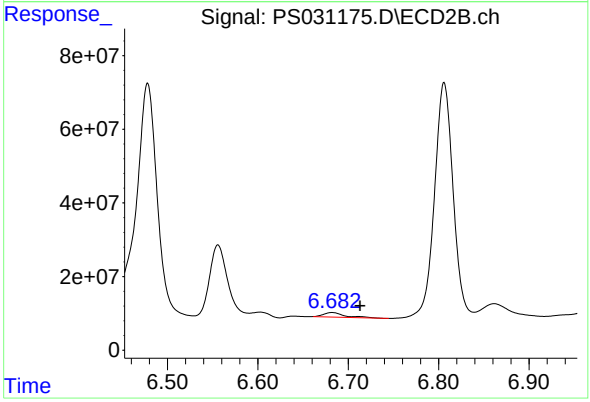
#1 Dalapon

R.T.: 2.691 min
Delta R.T.: -0.013 min
Response: 1795051816
Conc: 632.79 ng/ml



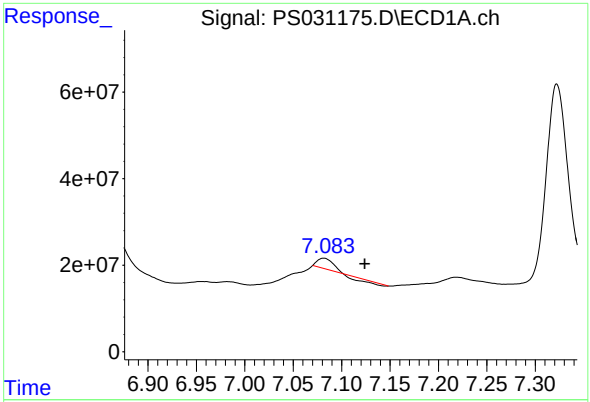
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: 0.021 min
Response: 11266582
Conc: 2.04 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

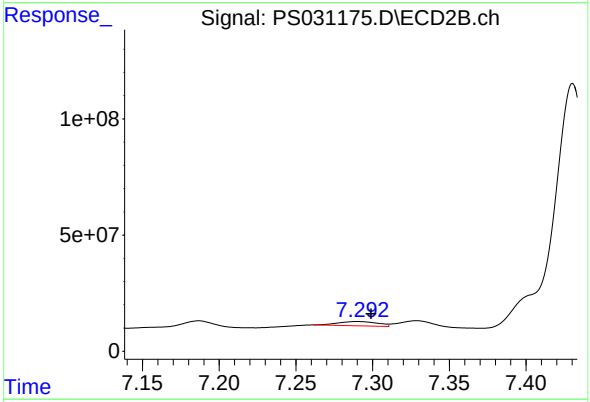
R.T.: 6.682 min
Delta R.T.: -0.031 min
Response: 20007273
Conc: 12.99 ng/ml



#3 4-Nitrophenol

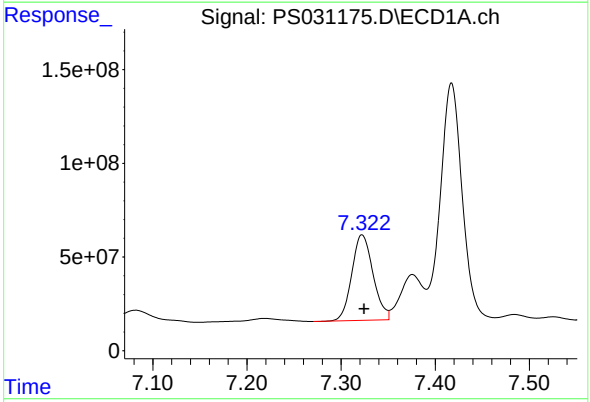
R.T.: 7.082 min
Delta R.T.: -0.042 min
Response: 15974526
Conc: 9.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925



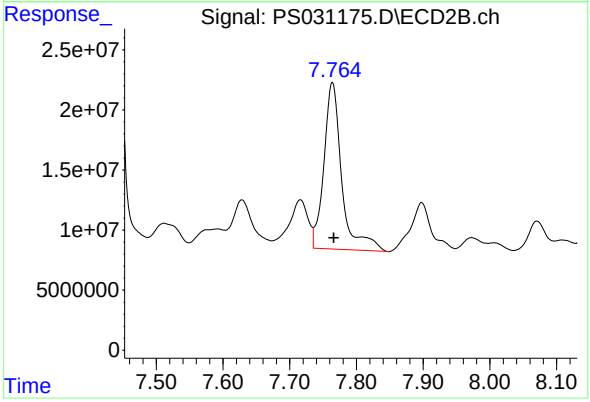
#3 4-Nitrophenol

R.T.: 7.290 min
Delta R.T.: -0.009 min
Response: 33301088
Conc: 18.41 ng/ml



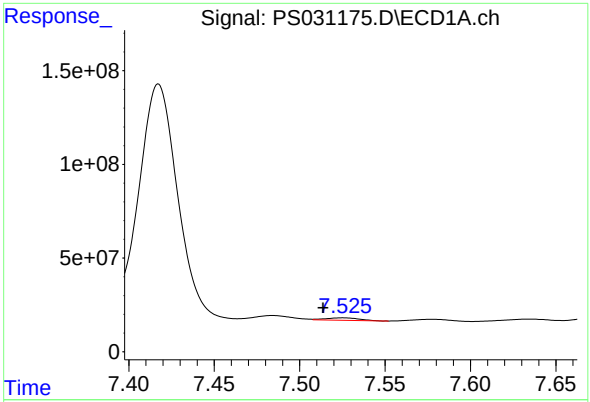
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.002 min
Response: 716824375
Conc: 164.85 ng/ml



#4 2,4-DCAA

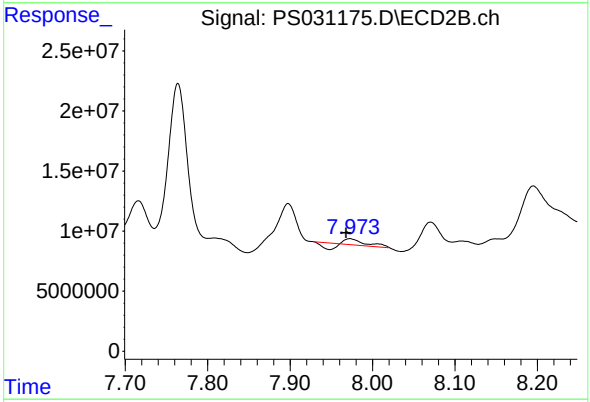
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 258294053
Conc: 254.48 ng/ml



#5 DICAMBA

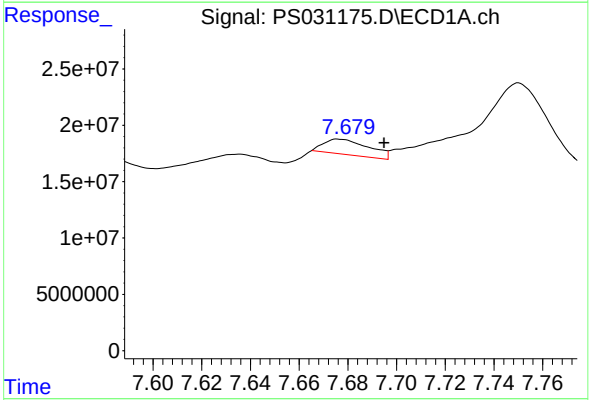
R.T.: 7.526 min
Delta R.T.: 0.012 min
Response: 17216744
Conc: 1.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925



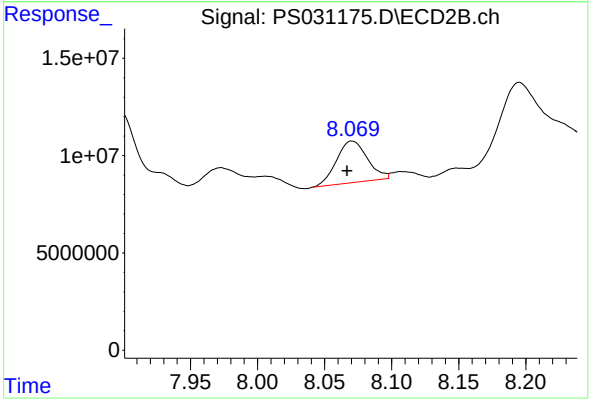
#5 DICAMBA

R.T.: 7.973 min
Delta R.T.: 0.005 min
Response: 2354748
Conc: N.D.



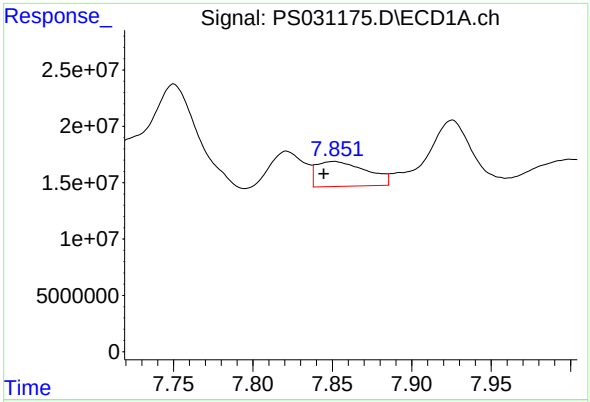
#6 MCPP

R.T.: 7.676 min
Delta R.T.: -0.019 min
Response: 17500420
Conc: 1.75 ug/ml



#6 MCPP

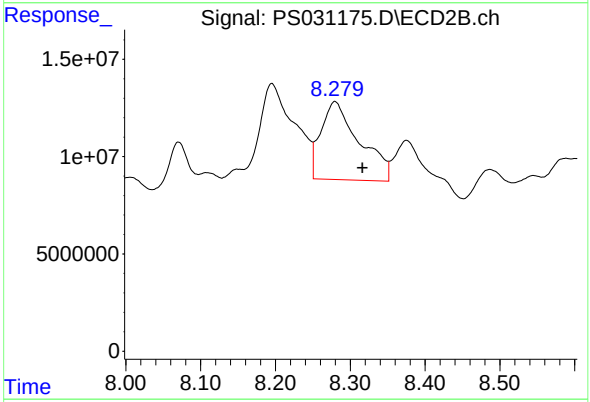
R.T.: 8.071 min
Delta R.T.: 0.004 min
Response: 34225576
Conc: 16.47 ug/ml



#7 MCPA

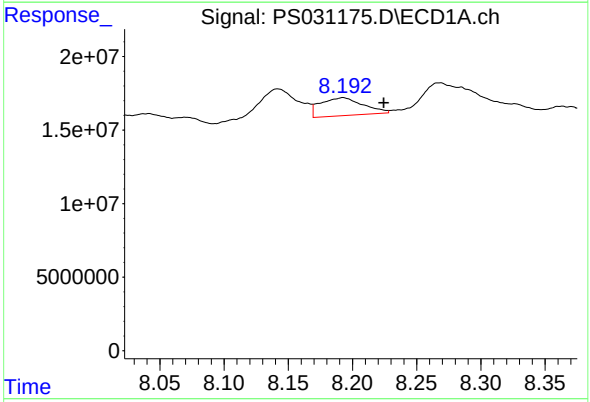
R.T.: 7.851 min
Delta R.T.: 0.006 min
Response: 48683645
Conc: 3.89 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925



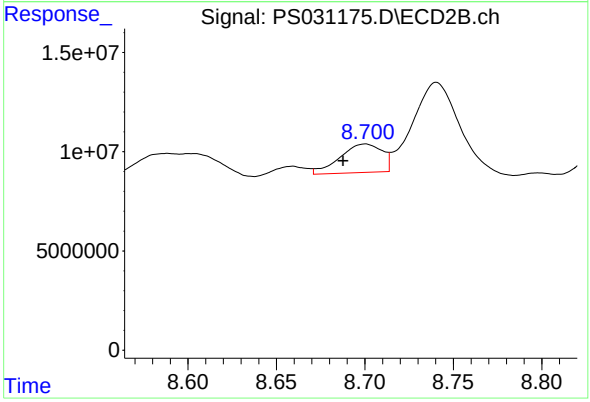
#7 MCPA

R.T.: 8.280 min
Delta R.T.: -0.037 min
Response: 143912276
Conc: 45.61 ug/ml



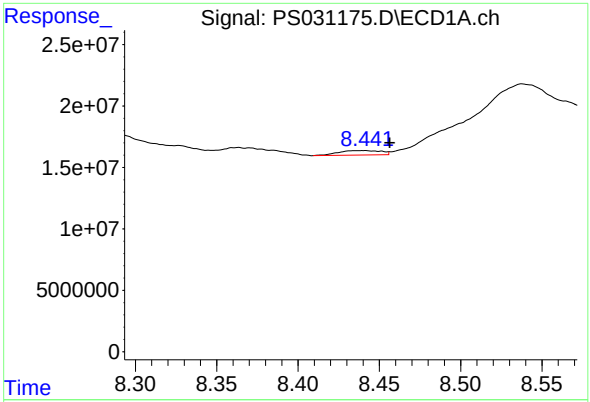
#8 DICHLORPROP

R.T.: 8.193 min
Delta R.T.: -0.032 min
Response: 28212885
Conc: 7.38 ng/ml



#8 DICHLORPROP

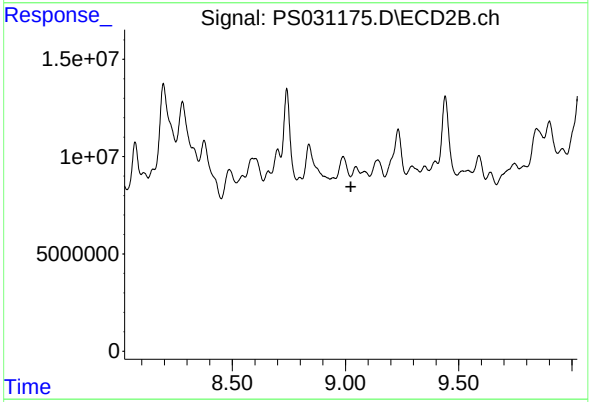
R.T.: 8.700 min
Delta R.T.: 0.012 min
Response: 23865059
Conc: 15.75 ng/ml



#9 2,4-D

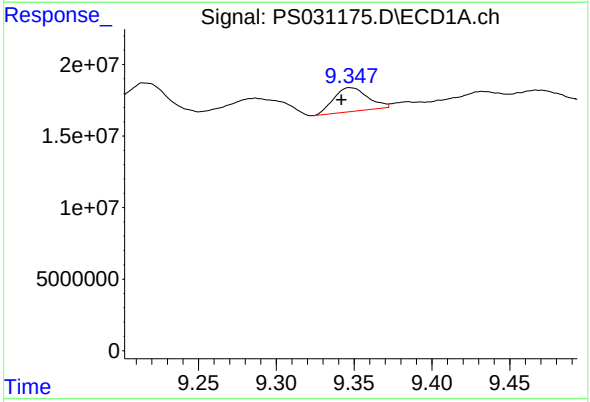
R.T.: 8.440 min
Delta R.T.: -0.016 min
Response: 6707983
Conc: 1.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925



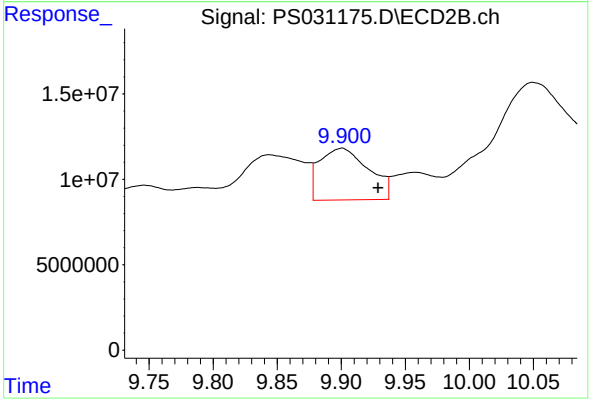
#9 2,4-D

R.T.: 9.046 min
Delta R.T.: 0.022 min
Response: -3664720
Conc: N.D.



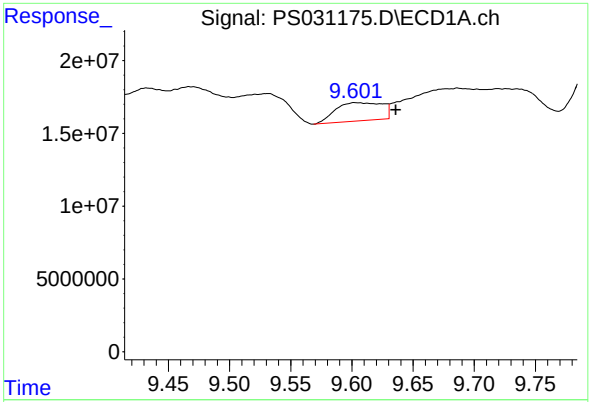
#11 2,4,5-TP (SILVEX)

R.T.: 9.347 min
Delta R.T.: 0.006 min
Response: 25477045
Conc: 1.16 ng/ml



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

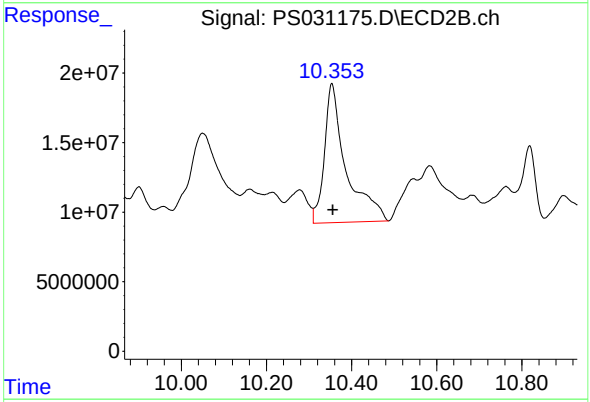
R.T.: 9.900 min
Delta R.T.: -0.029 min
Response: 80458891
Conc: 5.40 ng/ml



#12 2,4,5-T

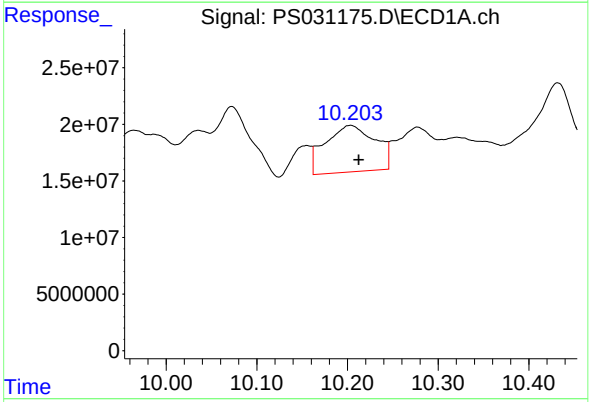
R.T.: 9.602 min
Delta R.T.: -0.034 min
Response: 33476905
Conc: 1.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925



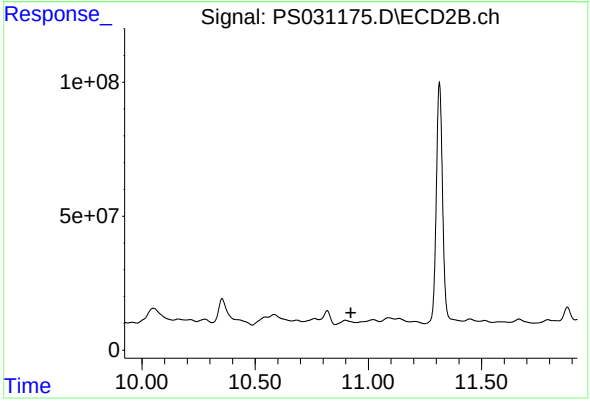
#12 2,4,5-T

R.T.: 10.354 min
Delta R.T.: -0.002 min
Response: 353551961
Conc: 24.86 ng/ml



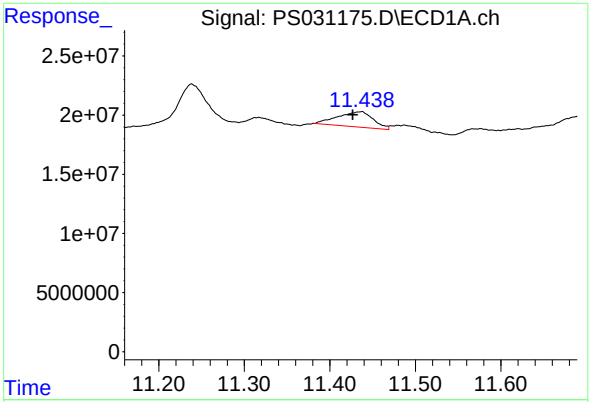
#13 2,4-DB

R.T.: 10.203 min
Delta R.T.: -0.009 min
Response: 156998867
Conc: 52.51 ng/ml



#13 2,4-DB

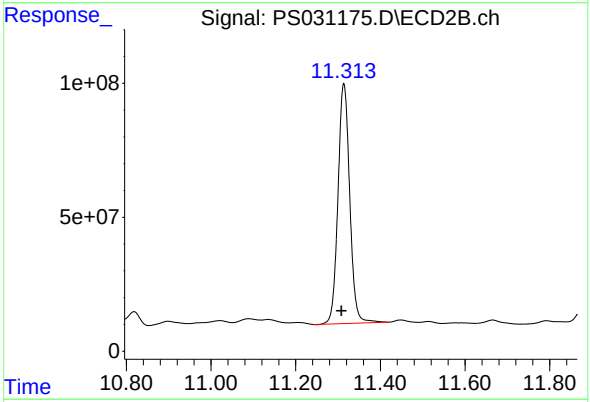
R.T.: 10.898 min
Delta R.T.: -0.025 min
Response: -61076646
Conc: N.D.



#14 DINOSEB

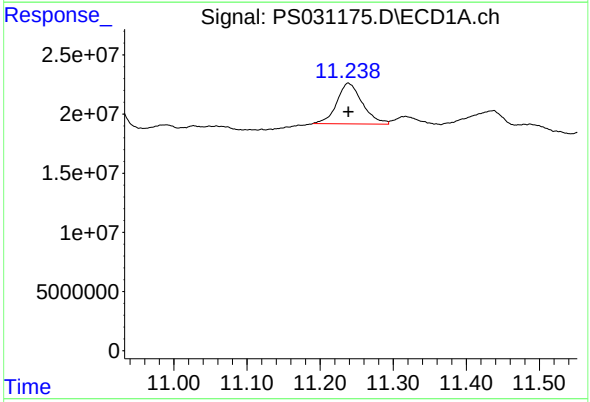
R.T.: 11.437 min
Delta R.T.: 0.011 min
Response: 37338025
Conc: 2.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-29-070925



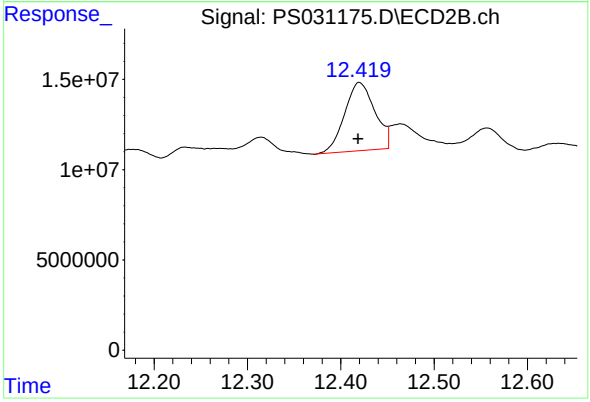
#14 DINOSEB

R.T.: 11.314 min
Delta R.T.: 0.006 min
Response: 1723095850
Conc: 152.46 ng/ml



#15 Picloram

R.T.: 11.238 min
Delta R.T.: 0.000 min
Response: 83793646
Conc: 4.19 ng/ml



#15 Picloram

R.T.: 12.420 min
Delta R.T.: 0.001 min
Response: 85279444
Conc: 3.43 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 15:16
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: Jul 23 01:54:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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	7.323	7.764	3291.0E6	749.3E6	756.860	738.237
	Target Compounds						
1) T	Dalapon	2.687	2.702	4201.7E6	1876.3E6	669.818	661.424
2) T	3,5-DICHL...	6.485	6.711	3870.7E6	1048.2E6	700.857	680.725
3) T	4-Nitroph...	7.121	7.298	1215.0E6	1231.4E6	736.912	680.599
5) T	DICAMBA	7.511	7.966	11833.1E6	4588.5E6	717.287	711.024
6) T	MCPP	7.693	8.065	756.1E6	148.6E6	75.539	71.535
7) T	MCPA	7.843	8.315	922.0E6	217.9E6	73.677	69.069
8) T	DICHLORPROP	8.222	8.685	2682.2E6	1044.0E6	701.798	689.193
9) T	2,4-D	8.454	9.022	2758.9E6	1180.2E6	738.670	694.927
10) T	Pentachlo...	8.762	9.545	41420.3E6	28763.5E6	758.315	735.993
11) T	2,4,5-TP ...	9.339	9.927	16059.2E6	10665.9E6	731.505	716.109
12) T	2,4,5-T	9.633	10.353	14930.0E6	10177.5E6	764.550	715.746
13) T	2,4-DB	10.209	10.921	2337.9E6	838.8E6	781.922	716.623
14) T	DINOSEB	11.423	11.305	11179.9E6	7961.4E6	718.063	704.420
15) T	Picloram	11.234	12.416	15738.8E6	18011.8E6	786.679	723.508
16) T	DCPA	11.722	12.350	21143.1E6	16642.8E6	736.860	722.469

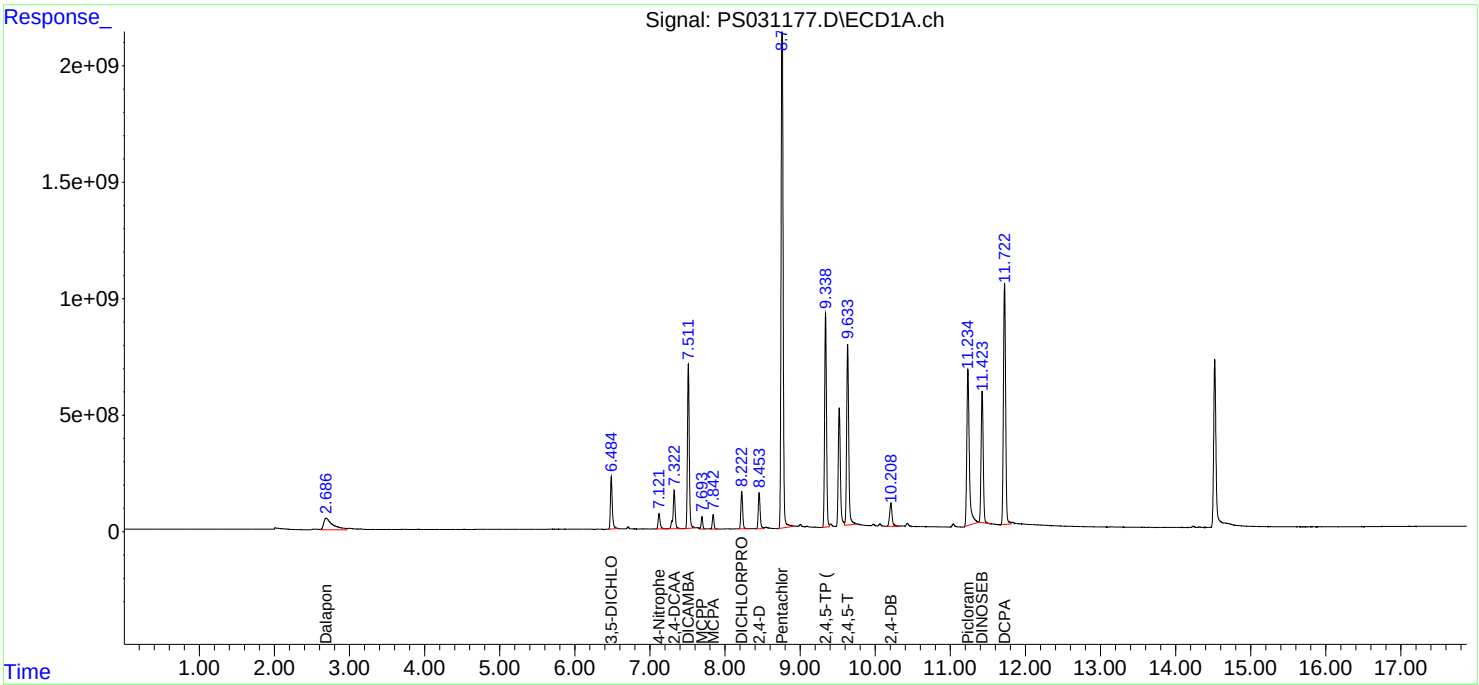
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

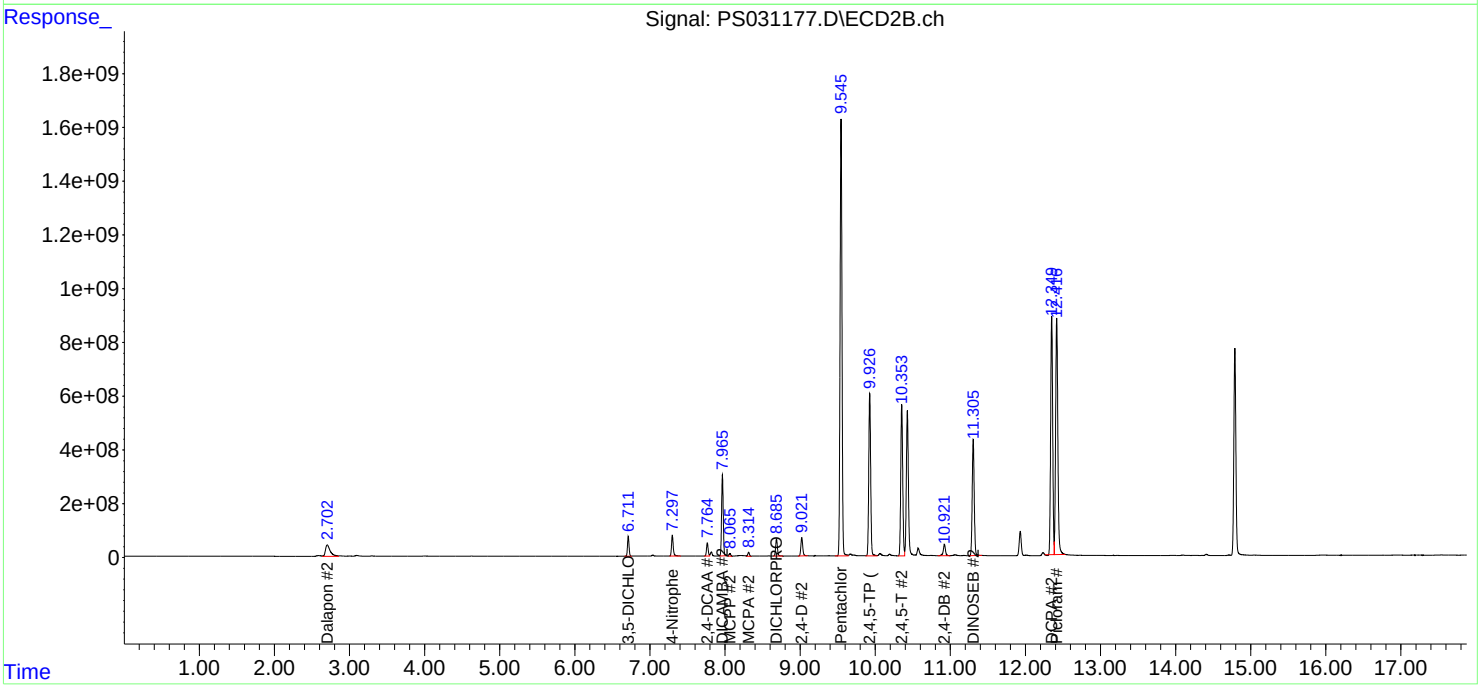
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072225\
Data File : PS031177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 15:16
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

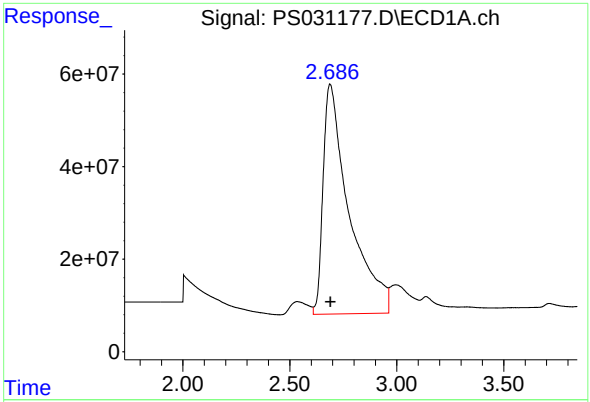
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:54:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 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



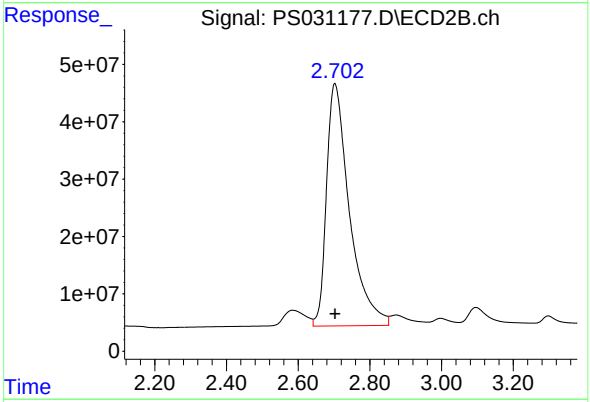




#1 Dalapon

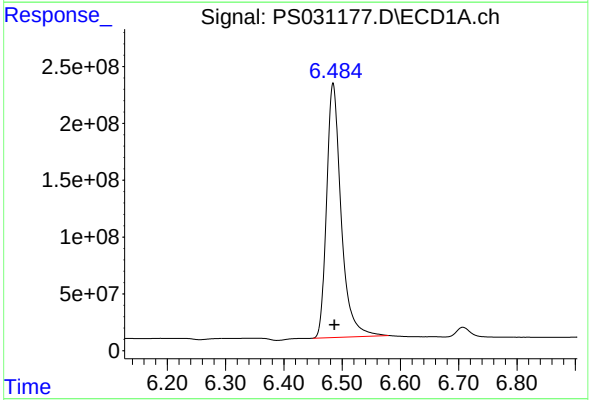
R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 4201706155
Conc: 669.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



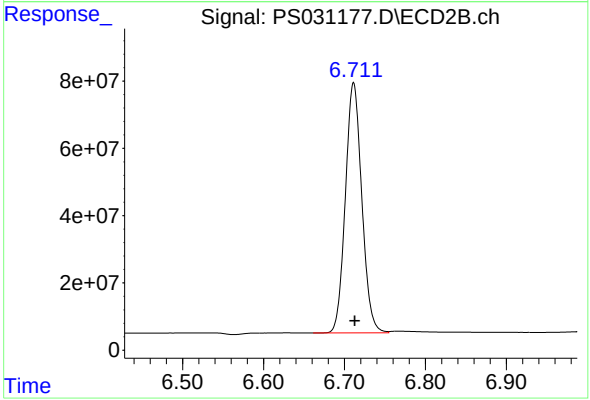
#1 Dalapon

R.T.: 2.702 min
Delta R.T.: -0.001 min
Response: 1876288111
Conc: 661.42 ng/ml



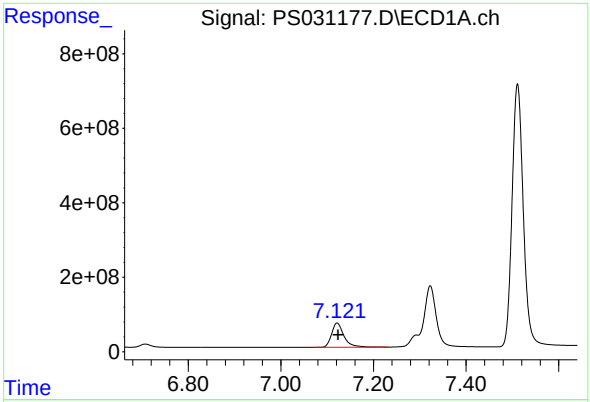
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.485 min
Delta R.T.: -0.002 min
Response: 3870656691
Conc: 700.86 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

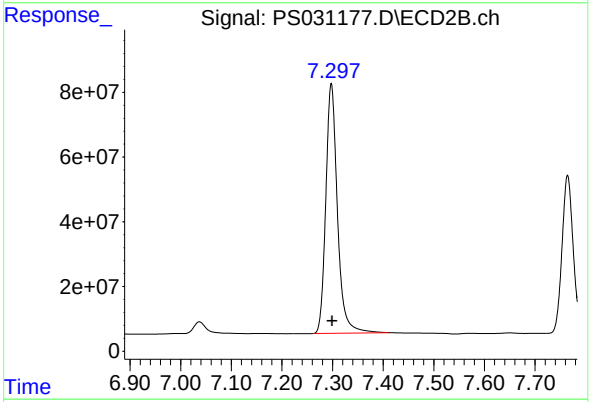
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1048244225
Conc: 680.72 ng/ml



#3 4-Nitrophenol

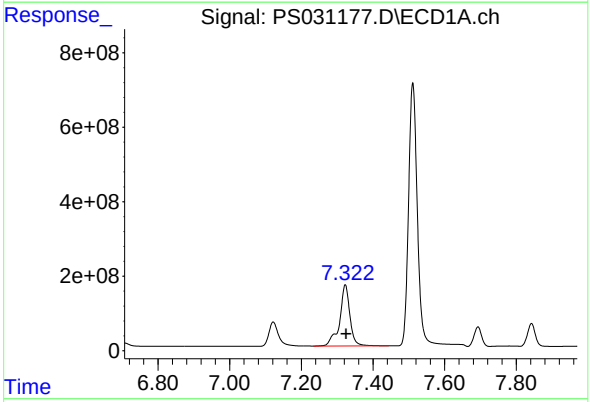
R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 1215010296
Conc: 736.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



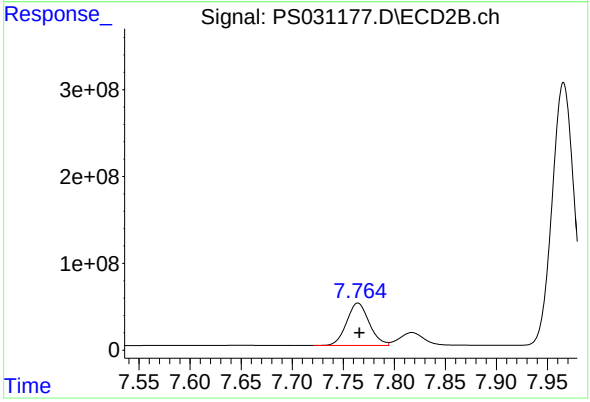
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 1231419373
Conc: 680.60 ng/ml



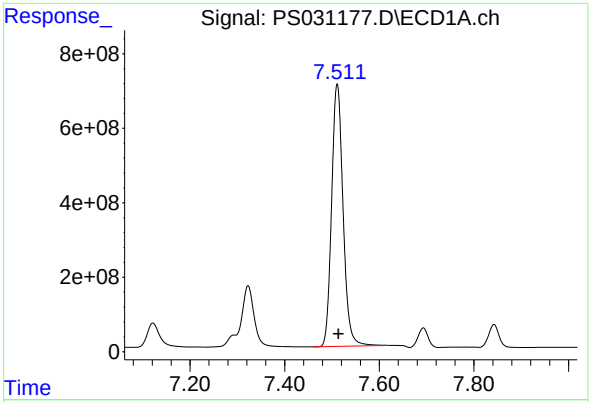
#4 2,4-DCAA

R.T.: 7.323 min
Delta R.T.: -0.002 min
Response: 3291018631
Conc: 756.86 ng/ml



#4 2,4-DCAA

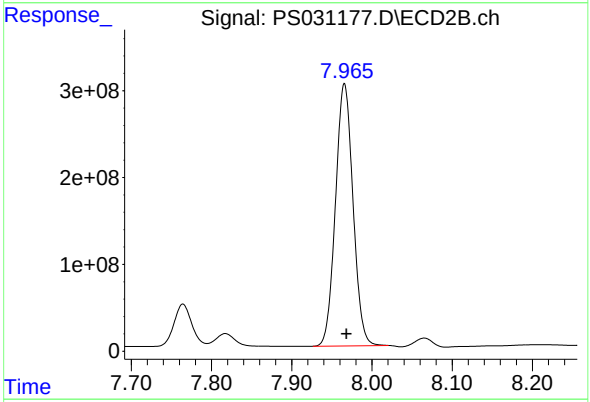
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 749286939
Conc: 738.24 ng/ml



#5 DICAMBA

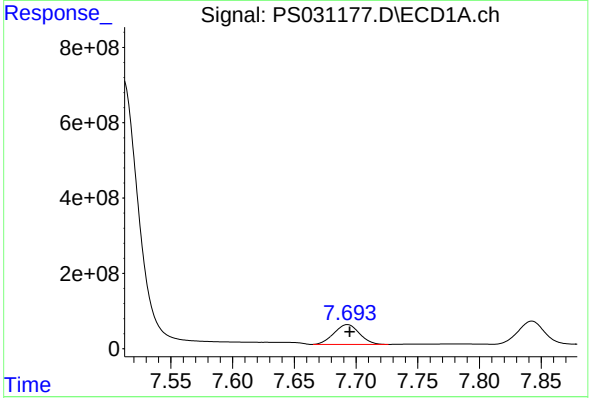
R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 11833060111
Conc: 717.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



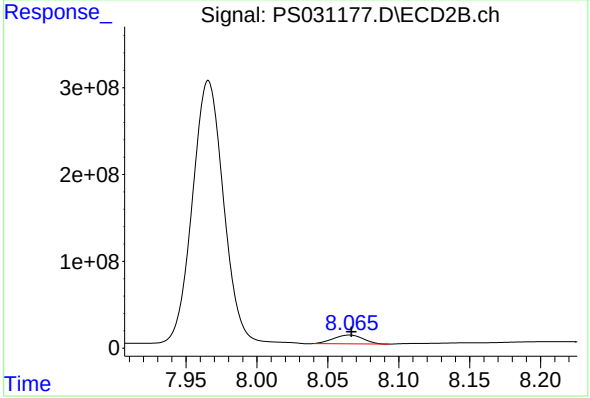
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4588501579
Conc: 711.02 ng/ml



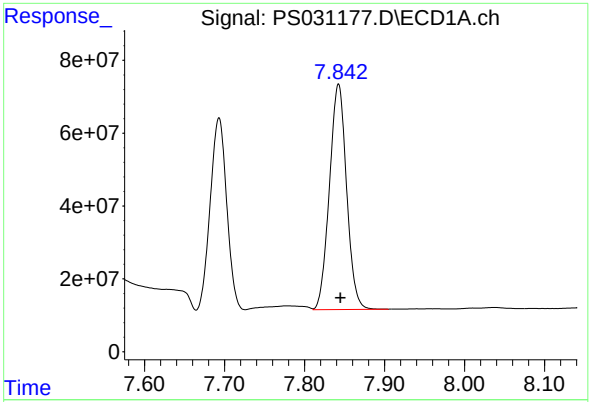
#6 MCPP

R.T.: 7.693 min
Delta R.T.: -0.002 min
Response: 756147423
Conc: 75.54 ug/ml



#6 MCPP

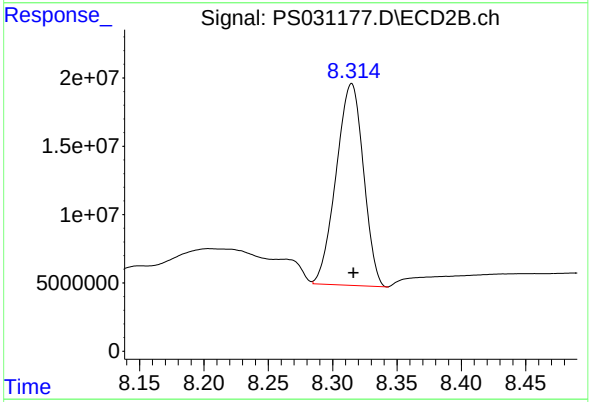
R.T.: 8.065 min
Delta R.T.: -0.002 min
Response: 148635108
Conc: 71.53 ug/ml



#7 MCPA

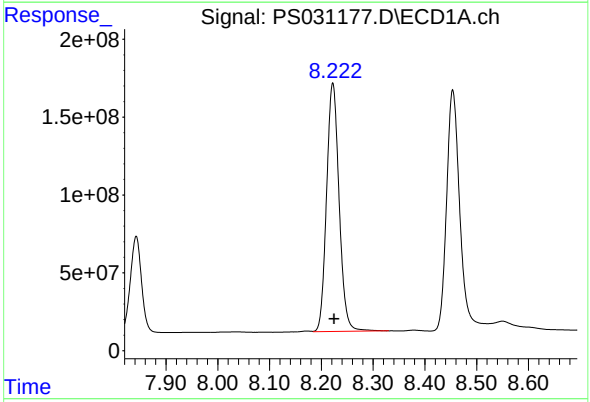
R.T.: 7.843 min
Delta R.T.: -0.002 min
Response: 922007654
Conc: 73.68 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



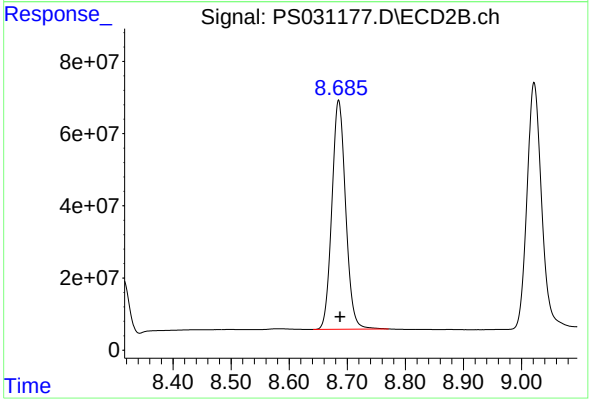
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.002 min
Response: 217927091
Conc: 69.07 ug/ml



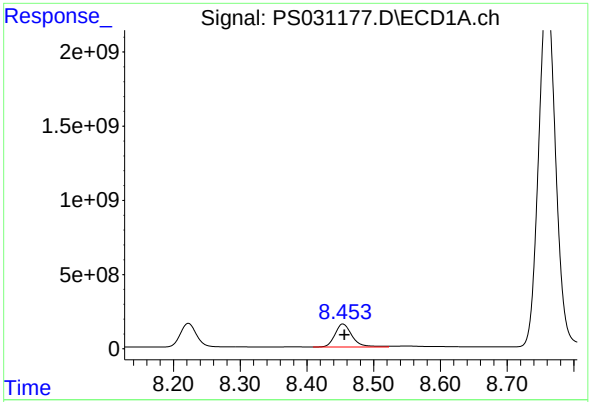
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.002 min
Response: 2682239905
Conc: 701.80 ng/ml



#8 DICHLORPROP

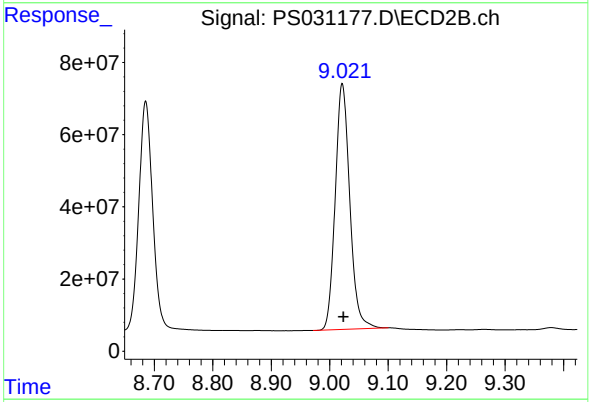
R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1044031029
Conc: 689.19 ng/ml



#9 2,4-D

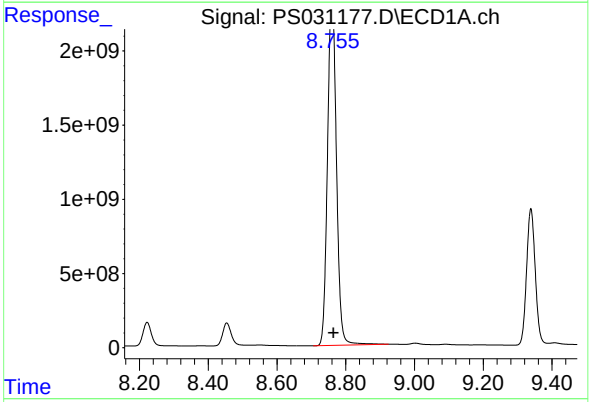
R.T.: 8.454 min
Delta R.T.: -0.003 min
Response: 2758869838
Conc: 738.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



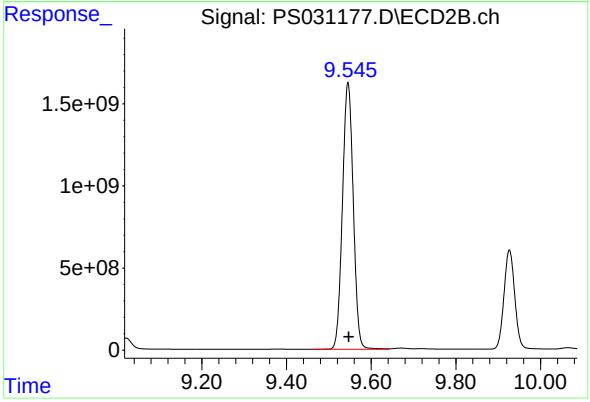
#9 2,4-D

R.T.: 9.022 min
Delta R.T.: -0.002 min
Response: 1180207717
Conc: 694.93 ng/ml



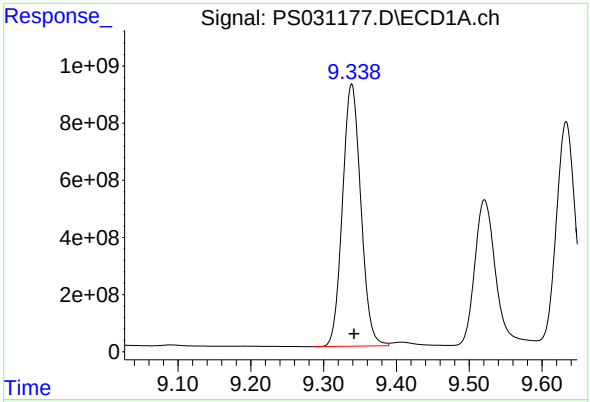
#10 Pentachlorophenol

R.T.: 8.762 min
Delta R.T.: -0.002 min
Response: 41420320313
Conc: 758.31 ng/ml



#10 Pentachlorophenol

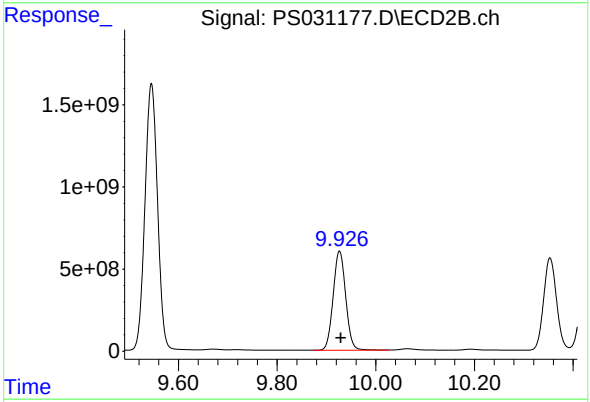
R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 28763478242
Conc: 735.99 ng/ml



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

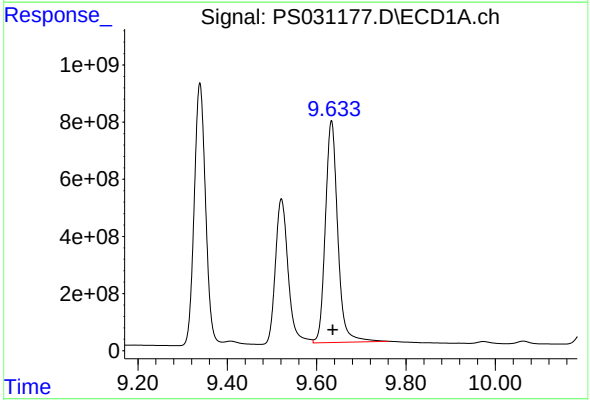
R.T.: 9.339 min
Delta R.T.: -0.003 min
Response: 16059152709
Conc: 731.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



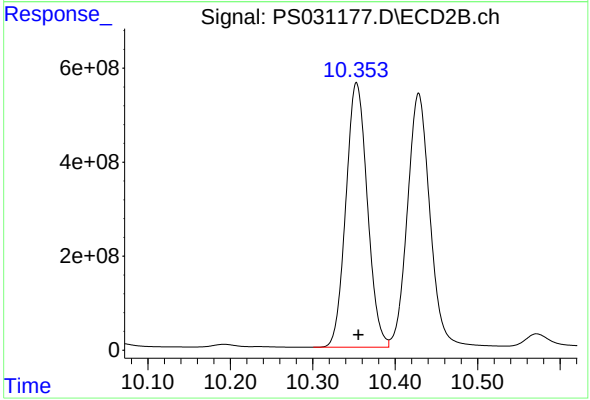
#11 2,4,5-TP (SILVEX)

R.T.: 9.927 min
Delta R.T.: -0.002 min
Response: 10665855540
Conc: 716.11 ng/ml



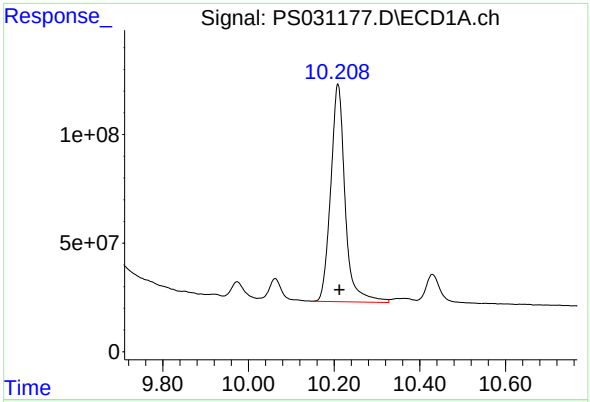
#12 2,4,5-T

R.T.: 9.633 min
Delta R.T.: -0.003 min
Response: 14929985217
Conc: 764.55 ng/ml



#12 2,4,5-T

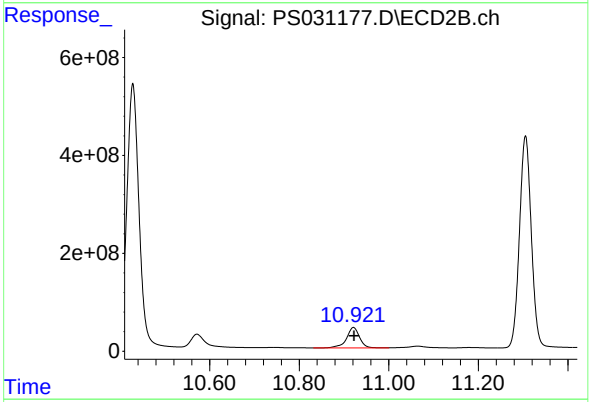
R.T.: 10.353 min
Delta R.T.: -0.002 min
Response: 10177525497
Conc: 715.75 ng/ml



#13 2,4-DB

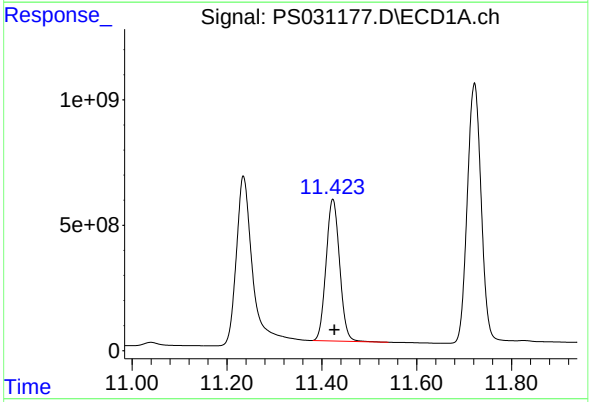
R.T.: 10.209 min
Delta R.T.: -0.004 min
Response: 2337857239
Conc: 781.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



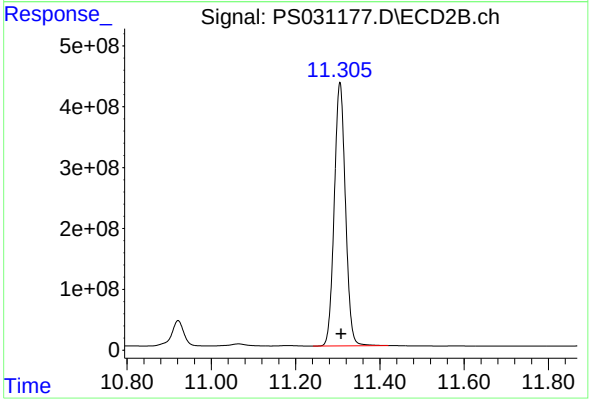
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.002 min
Response: 838815663
Conc: 716.62 ng/ml



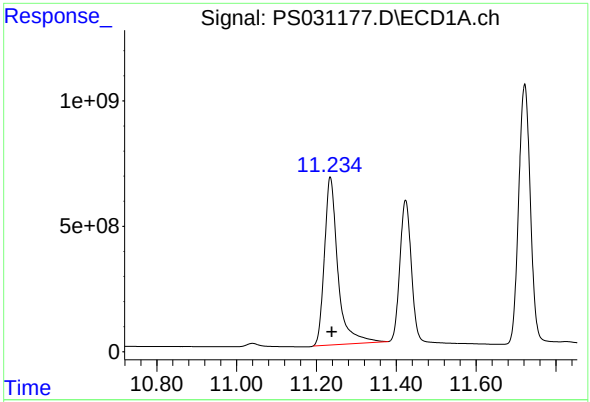
#14 DINOSEB

R.T.: 11.423 min
Delta R.T.: -0.003 min
Response: 11179872292
Conc: 718.06 ng/ml



#14 DINOSEB

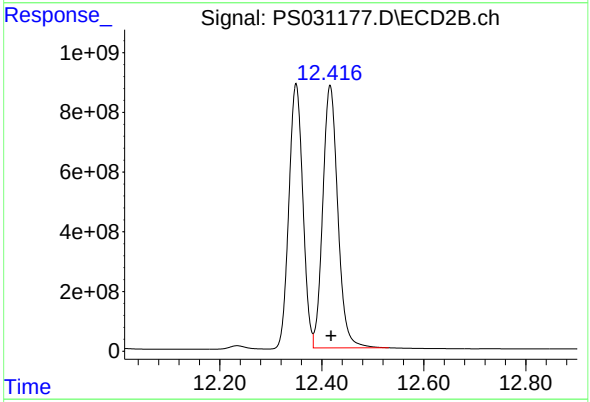
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 7961411766
Conc: 704.42 ng/ml



#15 Picloram

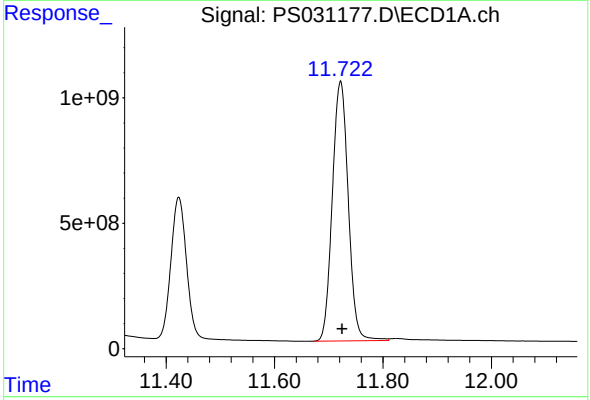
R.T.: 11.234 min
Delta R.T.: -0.004 min
Response: 15738765046
Conc: 786.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



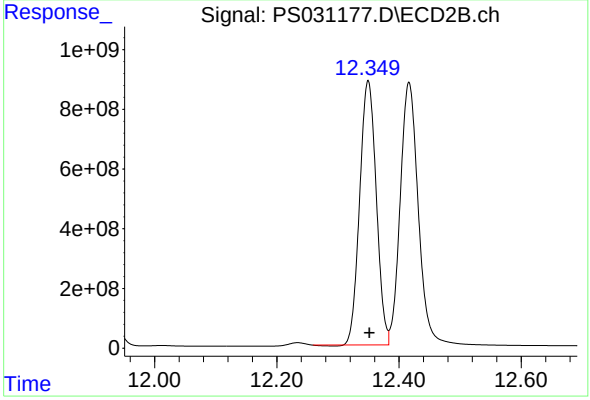
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.002 min
Response: 18011758441
Conc: 723.51 ng/ml



#16 DCPA

R.T.: 11.722 min
Delta R.T.: -0.003 min
Response: 21143084352
Conc: 736.86 ng/ml



#16 DCPA

R.T.: 12.350 min
Delta R.T.: -0.002 min
Response: 16642829184
Conc: 722.47 ng/ml