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 : Q2747

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Table Of Contents for Q2747

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Cover Page

Order ID : Q2747

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2747-01	OU4-TS-GRILLO-OG2-073125
Q2747-02	OU4-TS-GRILLO-OG2-073125
Q2747-03	OU4-TS-GRILLO-OG3-073125
Q2747-04	OU4-TS-GRILLO-OG3-073125
Q2747-05	OU4-TS-GRILLO-OG4-073125
Q2747-06	OU4-TS-GRILLO-OG4-073125
Q2747-07	OU4-TS-GRILLO-TSCP01-073125
Q2747-08	OU4-TS-GRILLO-TSCP01-073125
Q2747-09	OU4-TS-GRILLO-TSCP02-073125
Q2747-10	OU4-TS-GRILLO-TSCP02-073125

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 12:00 pm, Aug 14, 2025

Date: 8/7/2025

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 # Q2747
Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 08/01/2025.

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-GRILLO-OG2-073125 [2,4-DCAA(2)24%], OU4-TS-GRILLO-OG2-073125RE [2 and4-DCAA(2)20%]the failure sample in surrogate was reanalyzed to confirm the failure as per method and reported in the data.

The Retention Times were met for all analysis.

The MS {Q2753-01MS} with File ID: PS031365.D recoveries met the requirements for all compounds except for [Dalapon(1)35% - Dalapon(2)66%], [Dinoseb(1)7% - Dinoseb(2)7%]due to matrix interference.

The MSD {Q2753-01MSD} with File ID: PS031366.D recoveries met the requirements for all compounds except for [Dalapon(1)25% - Dalapon(2)69%], [Dinoseb(1)7% - Dinoseb(2)7%]due to matrix interference.

The RPD for {Q2753-01MSD} with File ID: PS031366.D met criteria except for Dalapon[33%]due to difference in results of MS-MSD.

The Blank Spike met requirements for all compounds.

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The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.

E. Additional Comments:
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 12:02 pm, Aug 14, 2025

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2747 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-GRILLO-OG2-073125 [2,4-DCAA(2)24%], OU4-TS-GRILLO-OG2-073125RE [2 and4-DCAA(2)20%]the failure sample in surrogate was reanalyzed to confirm the failure 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 {Q2753-01MS} with File ID: PS031365.D recoveries met the requirements for all compounds except for [Dalapon(1)35% - Dalapon(2)66%], [Dinoseb(1)7% - Dinoseb(2)7%]due to matrix interference. The MSD {Q2753-01MSD} with File ID: PS031366.D recoveries met the requirements for all compounds except for [Dalapon(1)25% - Dalapon(2)69%], [Dinoseb(1)7% - Dinoseb(2)7%]due to matrix interference. The Blank Spike met requirements for all compounds. The RPD for {Q2753-01MSD} with File ID: PS031366.D met criteria except for Dalapon[33%]due to difference in results of MS-MSD.		✓	
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 11:16 am, Aug 14, 2025

Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2747

	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:** 08/07/2025

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LAB CHRONICLE

OrderID:	Q2747	**OrderDate:**	8/1/2025 10:40:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2747-01	**OU4-TS-GRILLO-OG2-073125**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/04/25	
			PCB	8082A		08/04/25	08/05/25	
Q2747-01RE	**OU4-TS-GRILLO-OG2-073125RE**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/05/25	
Q2747-03	**OU4-TS-GRILLO-OG3-073125**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/05/25	
			PCB	8082A		08/04/25	08/04/25	
Q2747-05	**OU4-TS-GRILLO-OG4-073125**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/04/25	
			PCB	8082A		08/04/25	08/04/25	
Q2747-07	**OU4-TS-GRILLO-TSCP01-073125**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/04/25	
			PCB	8082A		08/04/25	08/05/25	
Q2747-09	**OU4-TS-GRILLO-TSCP02-073125**	**SOIL**			**07/31/25**			**08/01/25**
			Herbicide Group1	8151A		08/04/25	08/05/25	
			PCB	8082A		08/04/25	08/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2747 **Order ID:** Q2747

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.: Q2747

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PS031274.D	PIBLK-PS031274.D	2,4-DCAA	1	500	404	81		32	138
		2,4-DCAA	2	500	491	98		32	138
I.BLK-PS031352.D	PIBLK-PS031352.D	2,4-DCAA	1	500	509	102		32	138
		2,4-DCAA	2	500	493	99		32	138
PB169091BL	PB169091BL	2,4-DCAA	1	500	504	101		27	122
		2,4-DCAA	2	500	484	97		27	122
PB169091BS	PB169091BS	2,4-DCAA	1	500	599	120		27	122
		2,4-DCAA	2	500	518	104		27	122
I.BLK-PS031357.D	PIBLK-PS031357.D	2,4-DCAA	1	500	498	100		32	138
		2,4-DCAA	2	500	497	99		32	138
Q2747-01	OU4-TS-GRILLO-OG2-073125	2,4-DCAA	1	500	161	32		27	122
		2,4-DCAA	2	500	119	24	*	27	122
Q2747-05	OU4-TS-GRILLO-OG4-073125	2,4-DCAA	1	500	236	47		27	122
		2,4-DCAA	2	500	207	41		27	122
Q2747-07	OU4-TS-GRILLO-TSCP01-0731	2,4-DCAA	1	500	151	30		27	122
		2,4-DCAA	2	500	158	32		27	122
Q2753-01MS	289MS	2,4-DCAA	1	500	467	93		27	122
		2,4-DCAA	2	500	372	74		27	122
Q2753-01MSD	289MSD	2,4-DCAA	1	500	459	92		27	122
		2,4-DCAA	2	500	365	73		27	122
I.BLK-PS031367.D	PIBLK-PS031367.D	2,4-DCAA	1	500	506	101		32	138
		2,4-DCAA	2	500	513	103		32	138
I.BLK-PS031370.D	PIBLK-PS031370.D	2,4-DCAA	1	500	515	103		32	138
		2,4-DCAA	2	500	511	102		32	138
Q2747-01RE	OU4-TS-GRILLO-OG2-073125R	2,4-DCAA	1	500	166	33		27	122
		2,4-DCAA	2	500	99.0	20	*	27	122
Q2747-03	OU4-TS-GRILLO-OG3-073125	2,4-DCAA	1	500	189	38		27	122
		2,4-DCAA	2	500	177	35		27	122
Q2747-09	OU4-TS-GRILLO-TSCP02-0731	2,4-DCAA	1	500	206	41		27	122
		2,4-DCAA	2	500	234	47		27	122
I.BLK-PS031375.D	PIBLK-PS031375.D	2,4-DCAA	1	500	517	103		32	138
		2,4-DCAA	2	500	516	103		32	138

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS031365.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2753-01MS (Column 1)**	**Client Sample ID:**		**289MS**								
	DICAMBA	180.1	0	116	ug/Kg	64				38	132	
	Dalapon	180.1	0	62.7	ug/Kg	35	*			70	130	
	DICHLORPROP	180.1	0	97.6	ug/Kg	54				28	155	
	2,4-D	180.1	0	151	ug/Kg	84				28	144	
	2,4,5-TP(Silvex)	180.1	0	92.0	ug/Kg	51				43	129	
	2,4,5-T	180.1	0	116	ug/Kg	64				31	138	
	2,4-DB	180.1	0	87.8	ug/Kg	49				34	142	
	Dinoseb	180.1	0	12.8	ug/Kg	7	*			57	152	
Lab Sample ID:	**Q2753-01MS (Column 2)**	**Client Sample ID:**		**289MS**								
	DICAMBA	180.1	0	106	ug/Kg	59				38	132	
	Dalapon	180.1	0	119	ug/Kg	66	*			70	130	
	DICHLORPROP	180.1	0	98.6	ug/Kg	55				28	155	
	2,4-D	180.1	0	125	ug/Kg	69				28	144	
	2,4,5-TP(Silvex)	180.1	0	84.7	ug/Kg	47				43	129	
	2,4,5-T	180.1	0	88.6	ug/Kg	49				31	138	
	2,4-DB	180.1	0	70.1	ug/Kg	39				34	142	
	Dinoseb	180.1	0	13.3	ug/Kg	7	*			57	152	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS031366.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2753-01MSD (Column 1)**	**Client Sample ID:**		**289MSD**								
	DICAMBA	180	0	114	ug/Kg	63		2		38	132	20
	Dalapon	180	0	44.5	ug/Kg	25	*	33	*	70	130	20
	DICHLORPROP	180	0	95.9	ug/Kg	53		2		28	155	20
	2,4-D	180	0	147	ug/Kg	82		2		28	144	20
	2,4,5-TP(Silvex)	180	0	90.3	ug/Kg	50		2		43	129	20
	2,4,5-T	180	0	112	ug/Kg	62		3		31	138	20
	2,4-DB	180	0	84.4	ug/Kg	47		4		34	142	20
	Dinoseb	180	0	12.0	ug/Kg	7	*	0		57	152	20
Lab Sample ID:	**Q2753-01MSD (Column 2)**	**Client Sample ID:**		**289MSD**								
	DICAMBA	180	0	104	ug/Kg	58		2		38	132	20
	Dalapon	180	0	125	ug/Kg	69	*	4		70	130	20
	DICHLORPROP	180	0	89.3	ug/Kg	50		10		28	155	20
	2,4-D	180	0	124	ug/Kg	69		0		28	144	20
	2,4,5-TP(Silvex)	180	0	83.1	ug/Kg	46		2		43	129	20
	2,4,5-T	180	0	86.7	ug/Kg	48		2		31	138	20
	2,4-DB	180	0	64.2	ug/Kg	36		8		34	142	20
	Dinoseb	180	0	13.0	ug/Kg	7	*	0		57	152	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** 8151A

Client: Nobis Group **Datafile :** PS031355.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169091BS (Column 1)	DICAMBA	166.6	177	ug/Kg	106				38	132	
	Dalapon	166.6	165	ug/Kg	99				70	130	
	DICHLORPROP	166.6	180	ug/Kg	108				28	155	
	2,4-D	166.6	196	ug/Kg	118				28	144	
	2,4,5-TP(Silvex)	166.6	193	ug/Kg	116				43	129	
	2,4,5-T	166.6	207	ug/Kg	124				31	138	
	2,4-DB	166.6	199	ug/Kg	119				34	142	
	Dinoseb	166.6	190	ug/Kg	114				57	152	
PB169091BS (Column 2)	DICAMBA	166.6	160	ug/Kg	96				38	132	
	Dalapon	166.6	155	ug/Kg	93				70	130	
	DICHLORPROP	166.6	157	ug/Kg	94				28	155	
	2,4-D	166.6	162	ug/Kg	97				28	144	
	2,4,5-TP(Silvex)	166.6	167	ug/Kg	100				43	129	
	2,4,5-T	166.6	165	ug/Kg	99				31	138	
	2,4-DB	166.6	160	ug/Kg	96				34	142	
	Dinoseb	166.6	160	ug/Kg	96				57	152	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169091BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2747

Lab Sample ID: PB169091BL | Lab File ID: PS031354.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 08/04/2025

Date Analyzed (1): 08/04/2025 | Date Analyzed (2): 08/04/2025

Time Analyzed (1): 16:35 | Time Analyzed (2): 16:35

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
PB169091BS	PB169091BS	PS031355.D	08/04/2025	08/04/2025
OU4-TS-GRILLO-OG2-073125	Q2747-01	PS031359.D	08/04/2025	08/04/2025
OU4-TS-GRILLO-OG4-073125	Q2747-05	PS031361.D	08/04/2025	08/04/2025
OU4-TS-GRILLO-TSCP01-073125	Q2747-07	PS031362.D	08/04/2025	08/04/2025
289MS	Q2753-01MS	PS031365.D	08/04/2025	08/04/2025
289MSD	Q2753-01MSD	PS031366.D	08/04/2025	08/04/2025
OU4-TS-GRILLO-OG3-073125	Q2747-03	PS031373.D	08/05/2025	08/05/2025
OU4-TS-GRILLO-TSCP02-073125	Q2747-09	PS031374.D	08/05/2025	08/05/2025

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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	75.7 Decanted:
Sample Wt/Vol:	30.04 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
PS031359.D	1	08/04/25 08:25	08/04/25 18:35	PB169091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.044	U	0.010	0.044	0.088	mg/Kg
75-99-0	DALAPON	0.066	U	0.023	0.066	0.088	mg/Kg
120-36-5	DICHLORPROP	0.044	U	0.017	0.044	0.088	mg/Kg
94-75-7	2,4-D	0.044	U	0.012	0.044	0.088	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.044	U	0.012	0.044	0.088	mg/Kg
93-76-5	2,4,5-T	0.044	U	0.012	0.044	0.088	mg/Kg
94-82-6	2,4-DB	0.044	U	0.032	0.044	0.088	mg/Kg
88-85-7	DINOSEB	0.044	U	0.014	0.044	0.088	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	161		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\PS080425\
Data File : PS031359.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 18:35
Operator : AR\AJ
Sample : Q2747-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:47:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.301	7.755	470.0E6	99646808	161.312m	119.326	#
	Target Compounds							

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031359.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 18:35
Operator : AR\AJ
Sample : Q2747-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

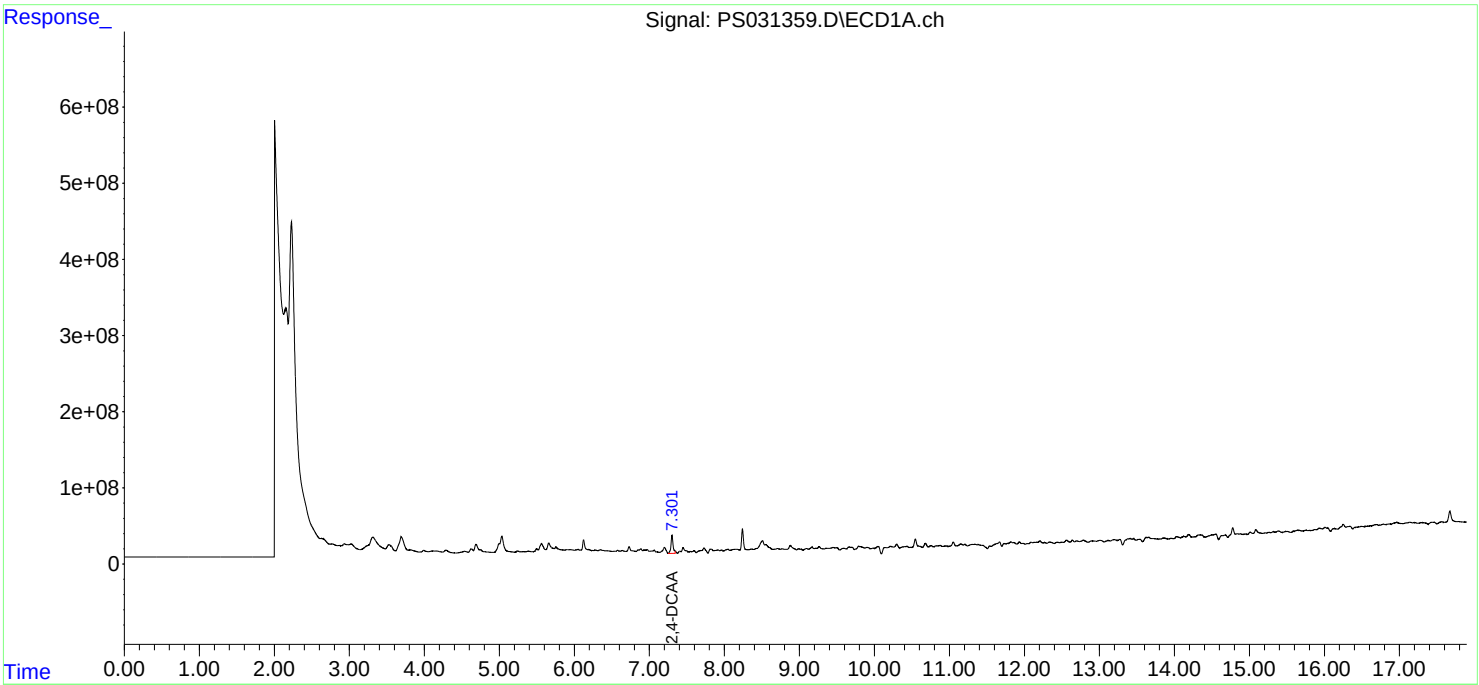
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

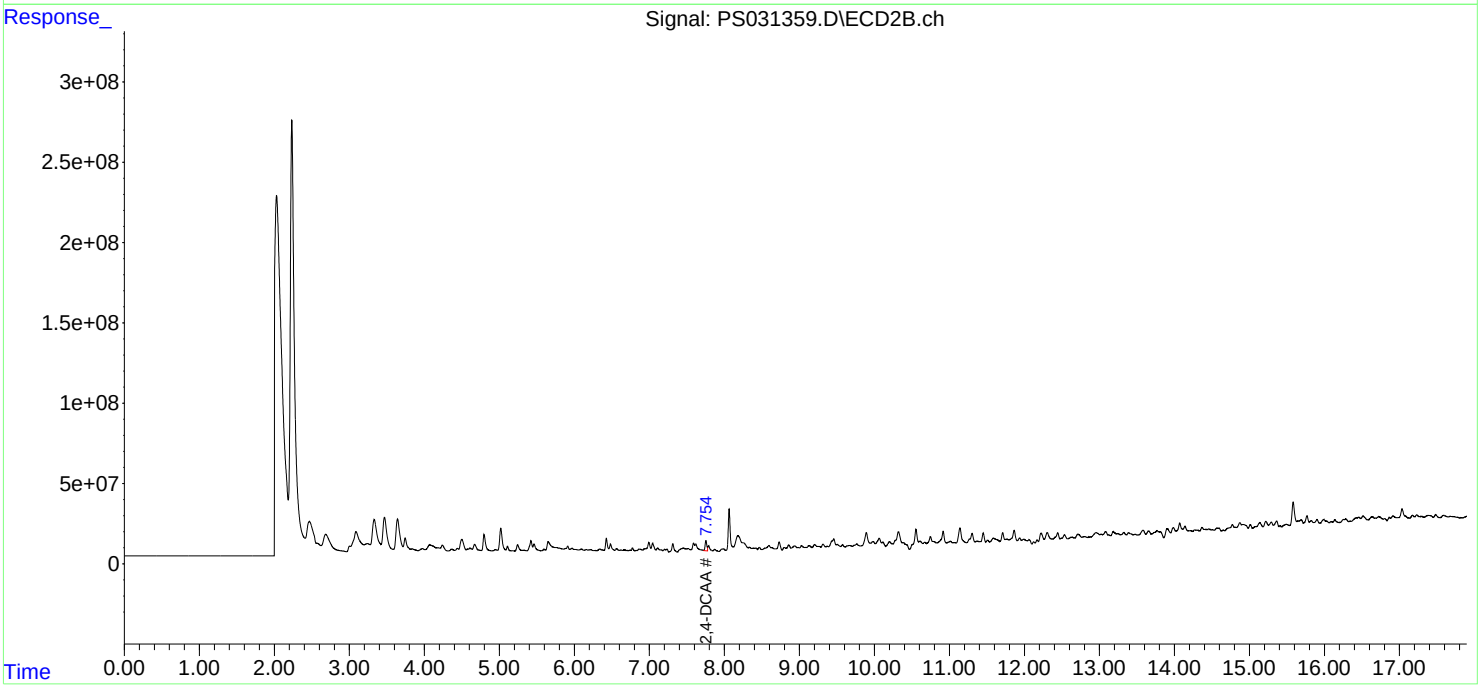
Manual Integrations APPROVED

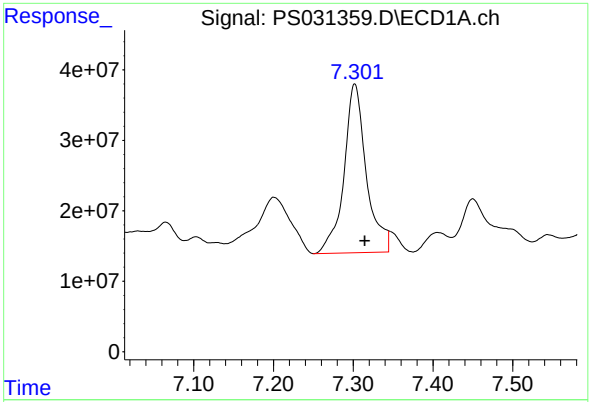
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:47:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







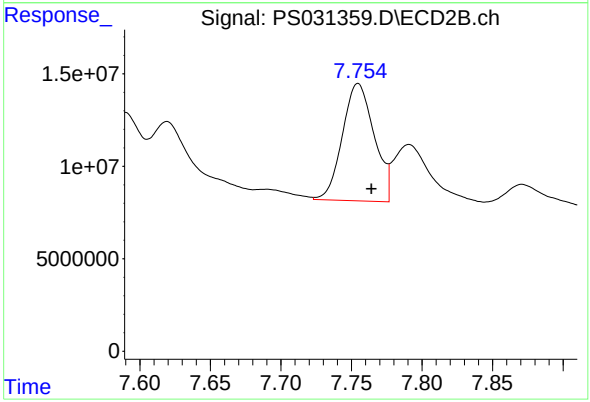
#4 2,4-DCAA

R.T.: 7.301 min
Delta R.T.: -0.013 min
Response: 469966224
Conc: 161.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



#4 2,4-DCAA

R.T.: 7.755 min
Delta R.T.: -0.010 min
Response: 99646808
Conc: 119.33 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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-01RE	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	75.7 Decanted:
Sample Wt/Vol:	30.04 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
PS031372.D	1	08/04/25 08:25	08/05/25 12:50	PB169091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.044	U	0.010	0.044	0.088	mg/Kg
75-99-0	DALAPON	0.066	U	0.023	0.066	0.088	mg/Kg
120-36-5	DICHLORPROP	0.044	U	0.017	0.044	0.088	mg/Kg
94-75-7	2,4-D	0.044	U	0.012	0.044	0.088	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.044	U	0.012	0.044	0.088	mg/Kg
93-76-5	2,4,5-T	0.044	U	0.012	0.044	0.088	mg/Kg
94-82-6	2,4-DB	0.044	U	0.032	0.044	0.088	mg/Kg
88-85-7	DINOSEB	0.044	U	0.014	0.044	0.088	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	166		27 - 122		33%	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\PS080525\
Data File : PS031372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 12:50
Operator : AR\AJ
Sample : Q2747-01RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:48:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.300	7.749	483.2E6	82635928	165.862m	98.956 #
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 12:50
Operator : AR\AJ
Sample : Q2747-01RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

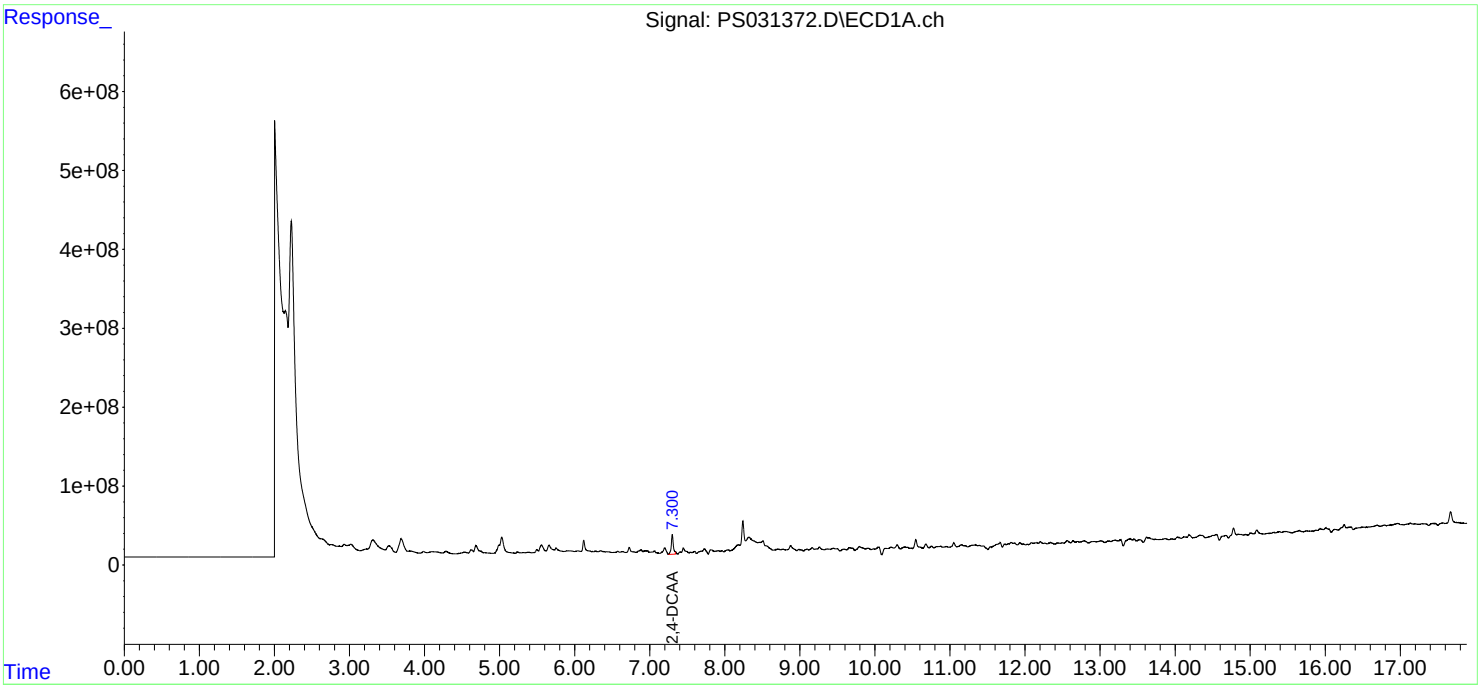
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

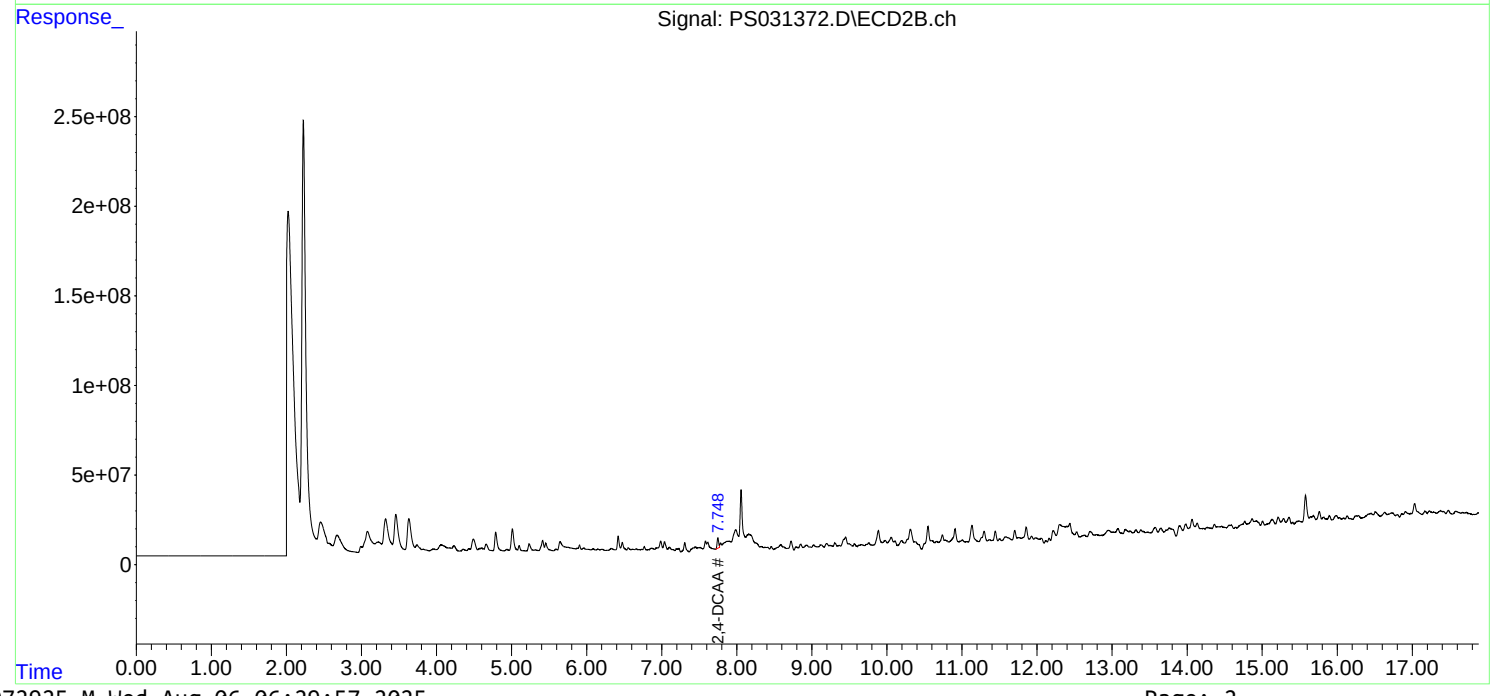
Manual Integrations APPROVED

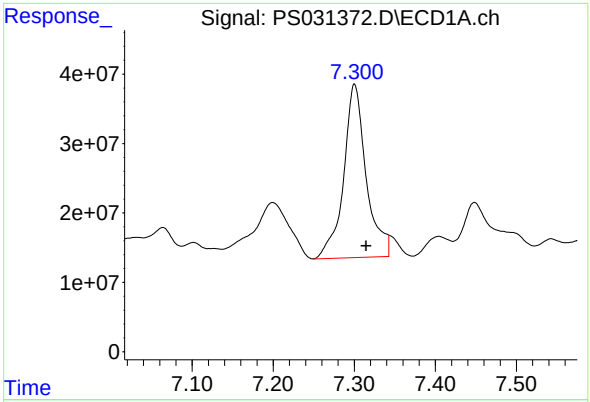
Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:48:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







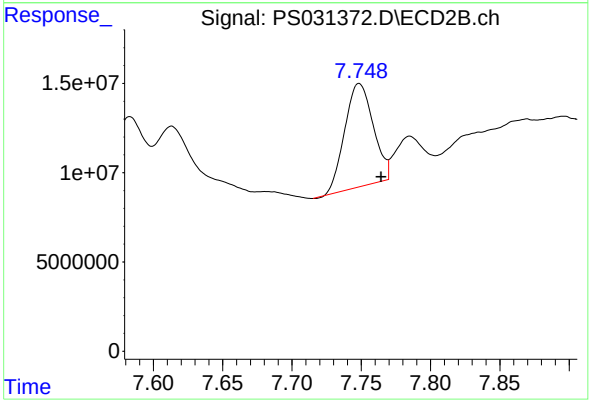
#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.015 min
Response: 483223556
Conc: 165.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



#4 2,4-DCAA

R.T.: 7.749 min
Delta R.T.: -0.016 min
Response: 82635928
Conc: 98.96 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	77.6 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
PS031373.D	1	08/04/25 08:25	08/05/25 13:14	PB169091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.042	U	0.010	0.042	0.086	mg/Kg
75-99-0	DALAPON	0.064	U	0.023	0.064	0.086	mg/Kg
120-36-5	DICHLORPROP	0.042	U	0.017	0.042	0.086	mg/Kg
94-75-7	2,4-D	0.042	U	0.012	0.042	0.086	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.042	U	0.012	0.042	0.086	mg/Kg
93-76-5	2,4,5-T	0.042	U	0.011	0.042	0.086	mg/Kg
94-82-6	2,4-DB	0.042	U	0.031	0.042	0.086	mg/Kg
88-85-7	DINOSEB	0.042	U	0.014	0.042	0.086	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	189		27 - 122		38%	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\PS080525\
Data File : PS031373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 13:14
Operator : AR\AJ
Sample : Q2747-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:48:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.298	7.751	552.0E6	148.0E6	189.468m	177.205m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 13:14
Operator : AR\AJ
Sample : Q2747-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

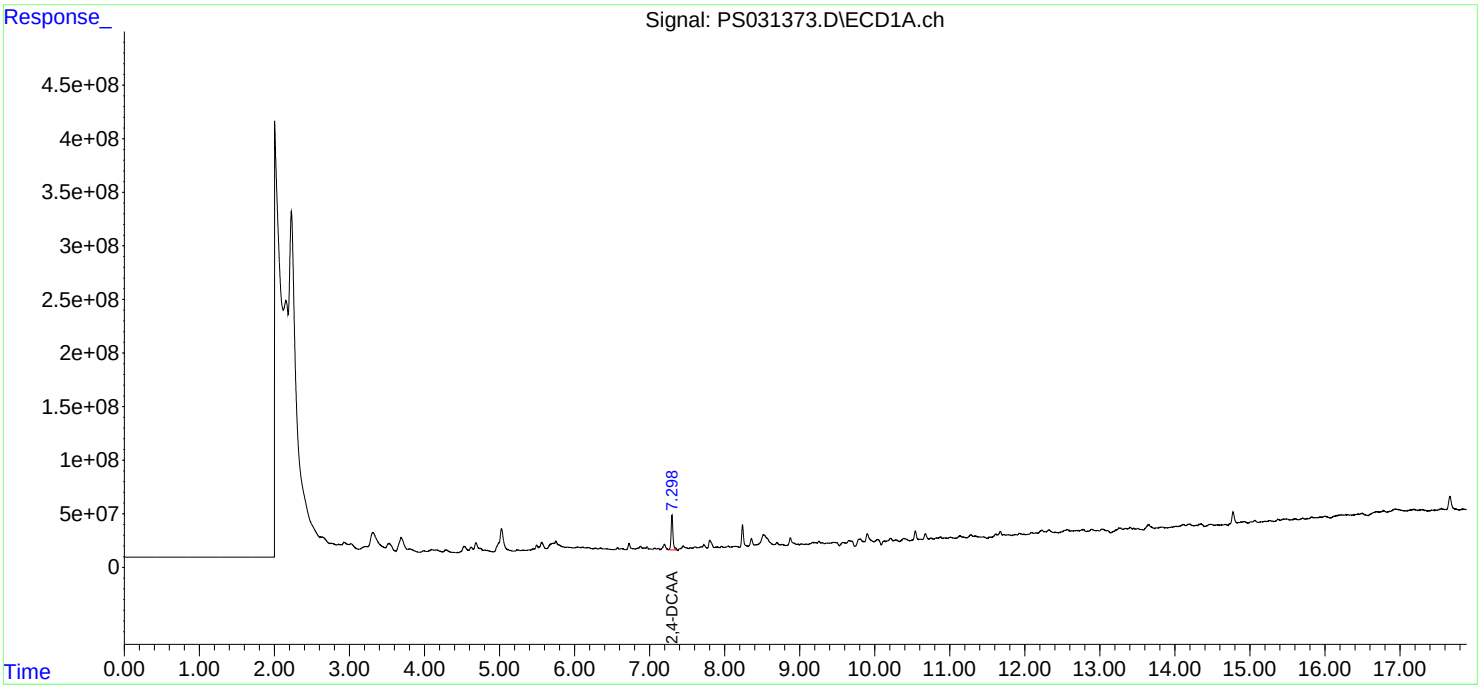
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

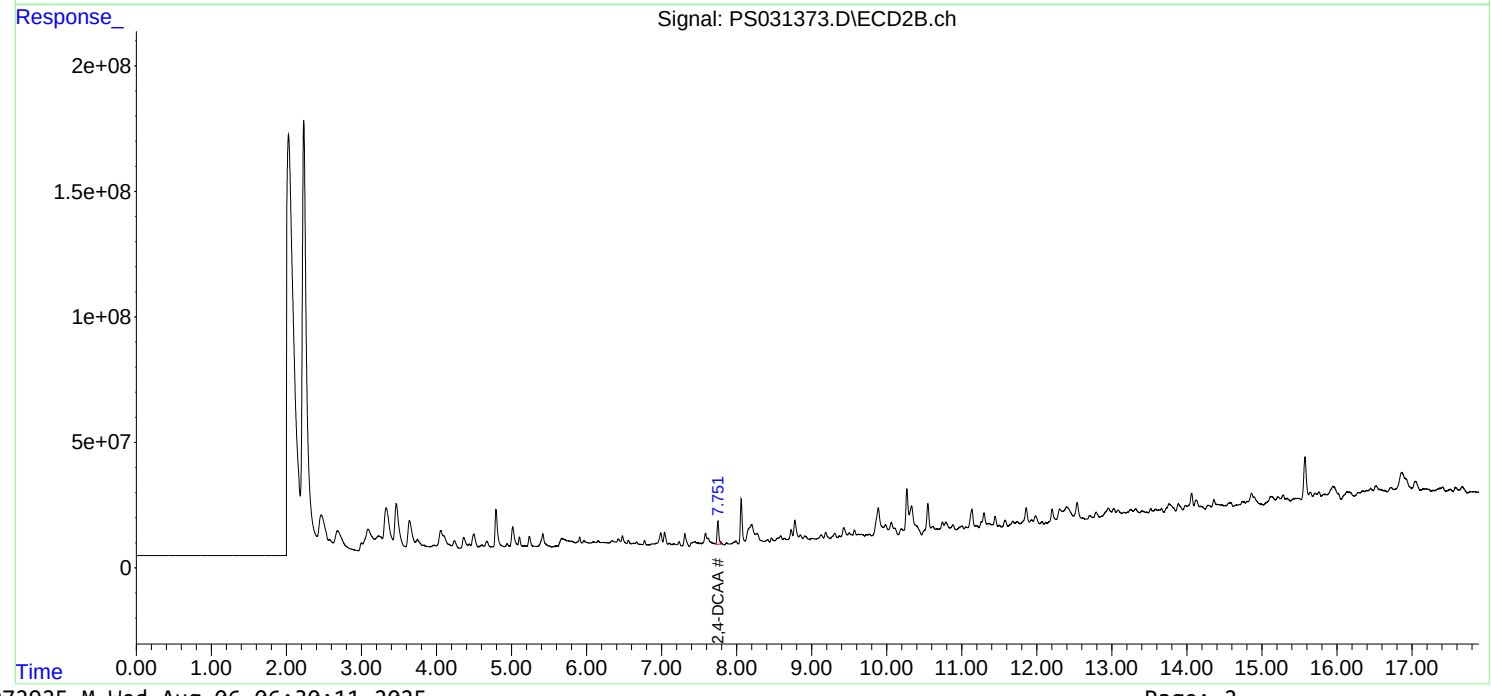
Manual Integrations APPROVED

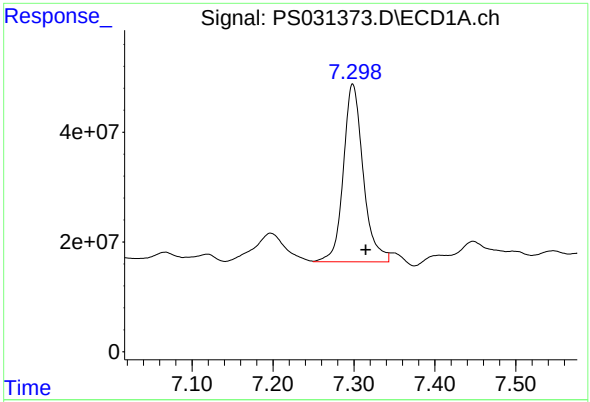
Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:48:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







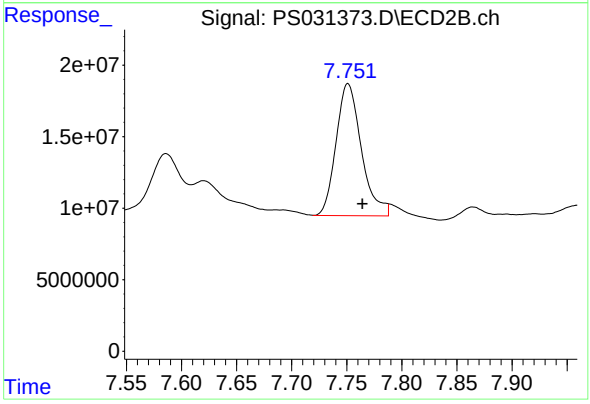
#4 2,4-DCAA

R.T.: 7.298 min
Delta R.T.: -0.017 min
Response: 551997866
Conc: 189.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



#4 2,4-DCAA

R.T.: 7.751 min
Delta R.T.: -0.014 min
Response: 147980540
Conc: 177.21 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	80.5 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031361.D	1	08/04/25 08:25	08/04/25 19:24	PB169091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.041	U	0.0096	0.041	0.083	mg/Kg
75-99-0	DALAPON	0.062	U	0.022	0.062	0.083	mg/Kg
120-36-5	DICHLORPROP	0.041	U	0.016	0.041	0.083	mg/Kg
94-75-7	2,4-D	0.041	U	0.011	0.041	0.083	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.041	U	0.011	0.041	0.083	mg/Kg
93-76-5	2,4,5-T	0.041	U	0.011	0.041	0.083	mg/Kg
94-82-6	2,4-DB	0.041	U	0.030	0.041	0.083	mg/Kg
88-85-7	DINOSEB	0.041	U	0.013	0.041	0.083	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	236		27 - 122		47%	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\PS080425\
Data File : PS031361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 19:24
Operator : AR\AJ
Sample : Q2747-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:47:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.301	7.753	687.8E6	172.8E6	236.082	206.876m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 19:24
Operator : AR\AJ
Sample : Q2747-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

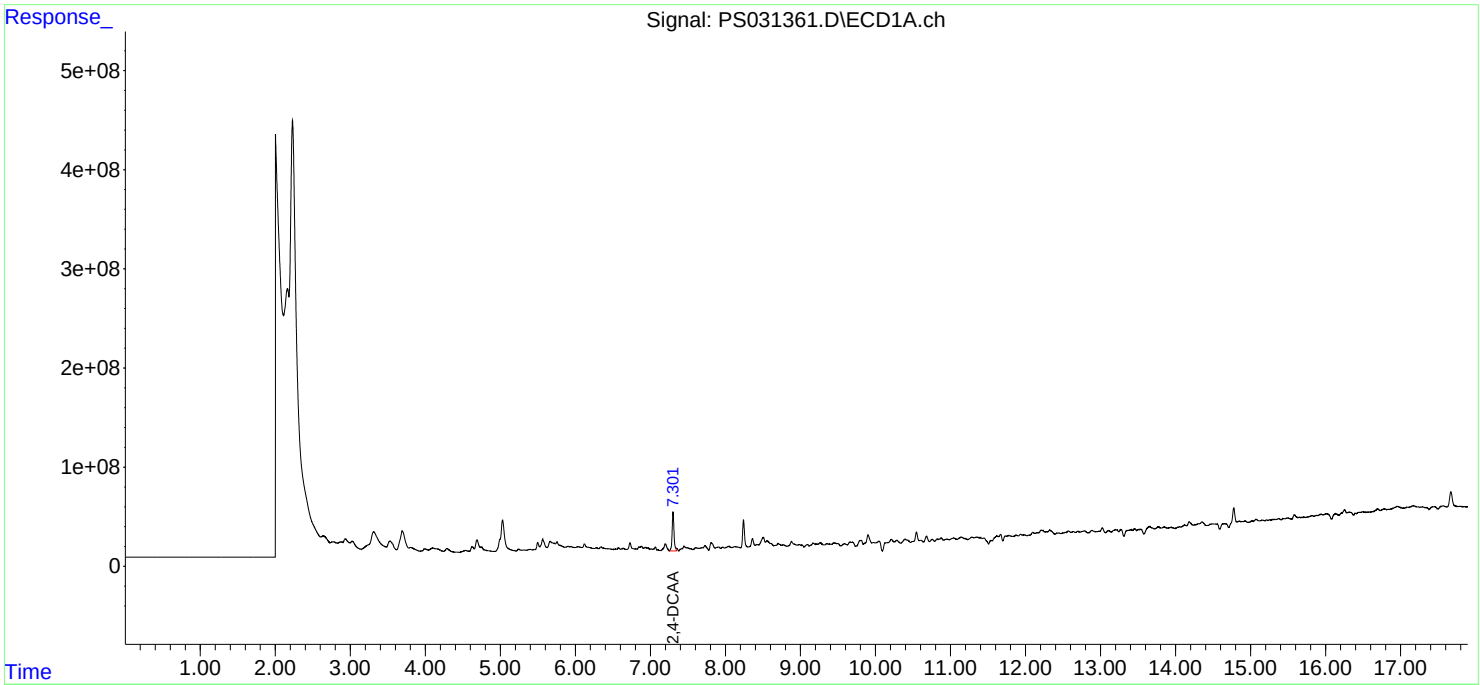
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

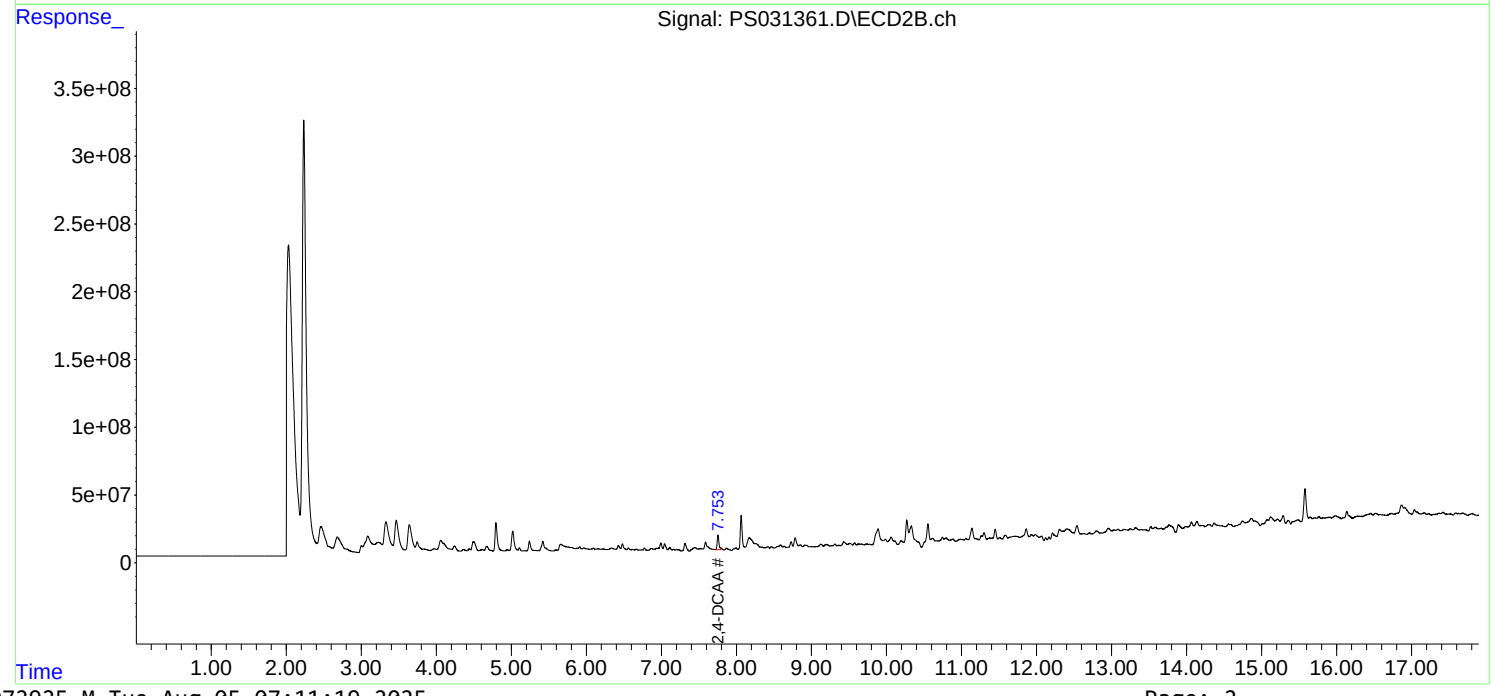
Manual Integrations APPROVED

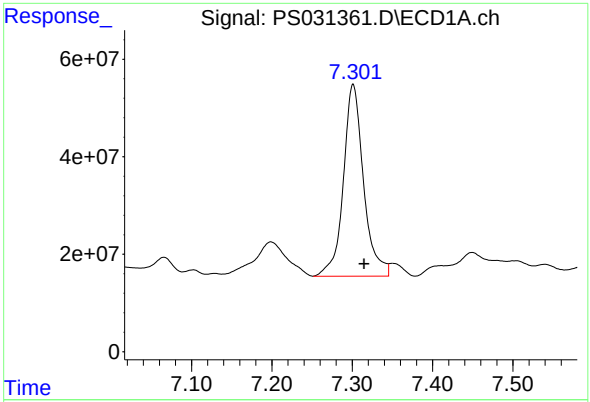
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:47:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







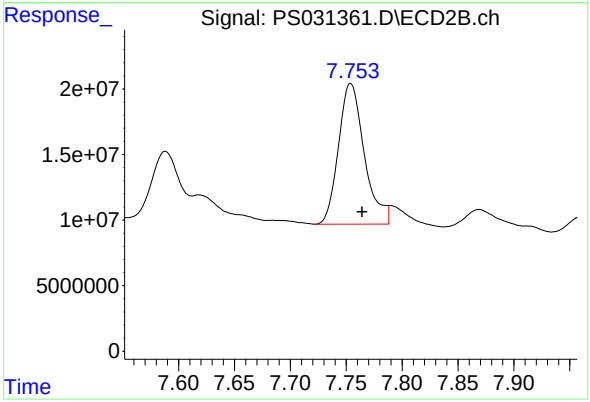
#4 2,4-DCAA

R.T.: 7.301 min
Delta R.T.: -0.014 min
Response: 687801941
Conc: 236.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



#4 2,4-DCAA

R.T.: 7.753 min
Delta R.T.: -0.011 min
Response: 172757881
Conc: 206.88 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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	66.4 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
PS031362.D	1	08/04/25 08:25	08/04/25 19:48	PB169091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.050	U	0.012	0.050	0.10	mg/Kg
75-99-0	DALAPON	0.075	U	0.026	0.075	0.10	mg/Kg
120-36-5	DICHLORPROP	0.050	U	0.019	0.050	0.10	mg/Kg
94-75-7	2,4-D	0.050	U	0.014	0.050	0.10	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.050	U	0.014	0.050	0.10	mg/Kg
93-76-5	2,4,5-T	0.050	U	0.013	0.050	0.10	mg/Kg
94-82-6	2,4-DB	0.050	U	0.036	0.050	0.10	mg/Kg
88-85-7	DINOSEB	0.050	U	0.016	0.050	0.10	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\PS080425\
Data File : PS031362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 19:48
Operator : AR\AJ
Sample : Q2747-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:48:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.301	7.754	440.1E6	132.0E6	151.046	158.101m
	Target Compounds						

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

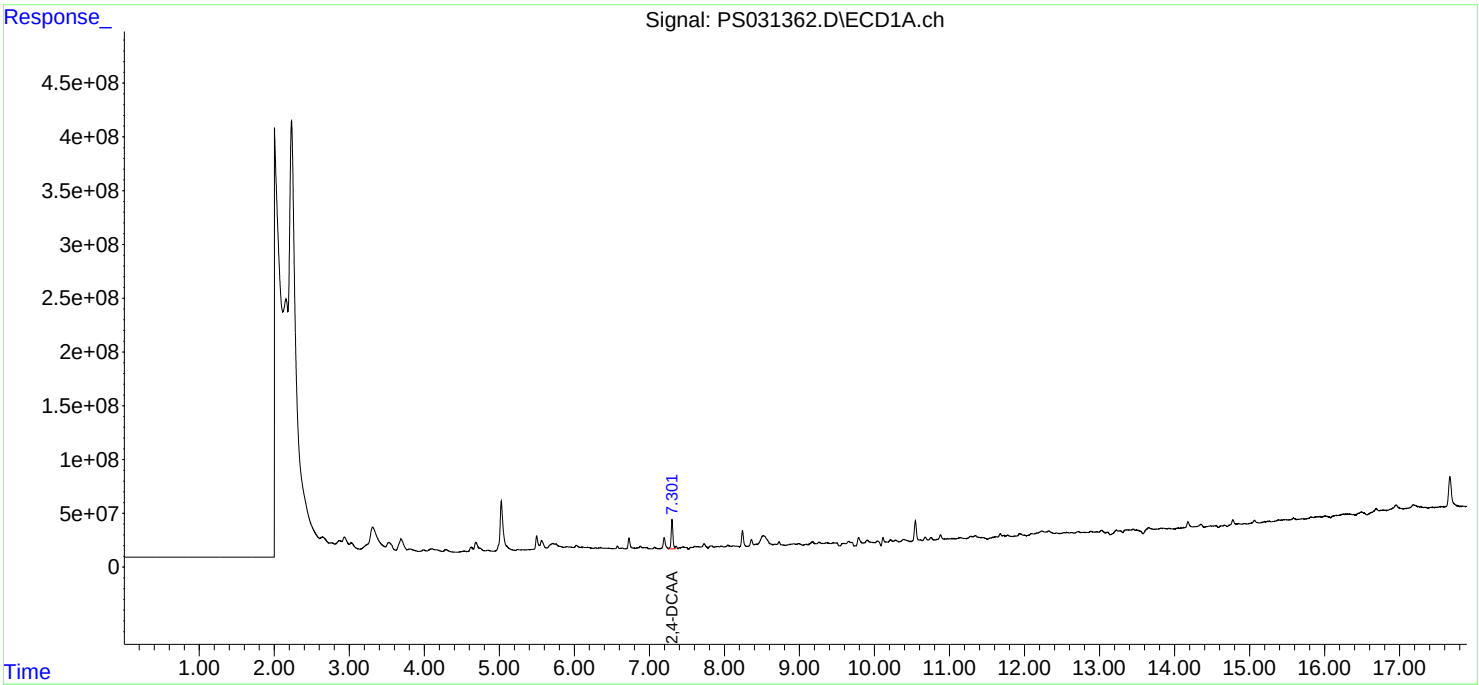
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 19:48
Operator : AR\AJ
Sample : Q2747-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

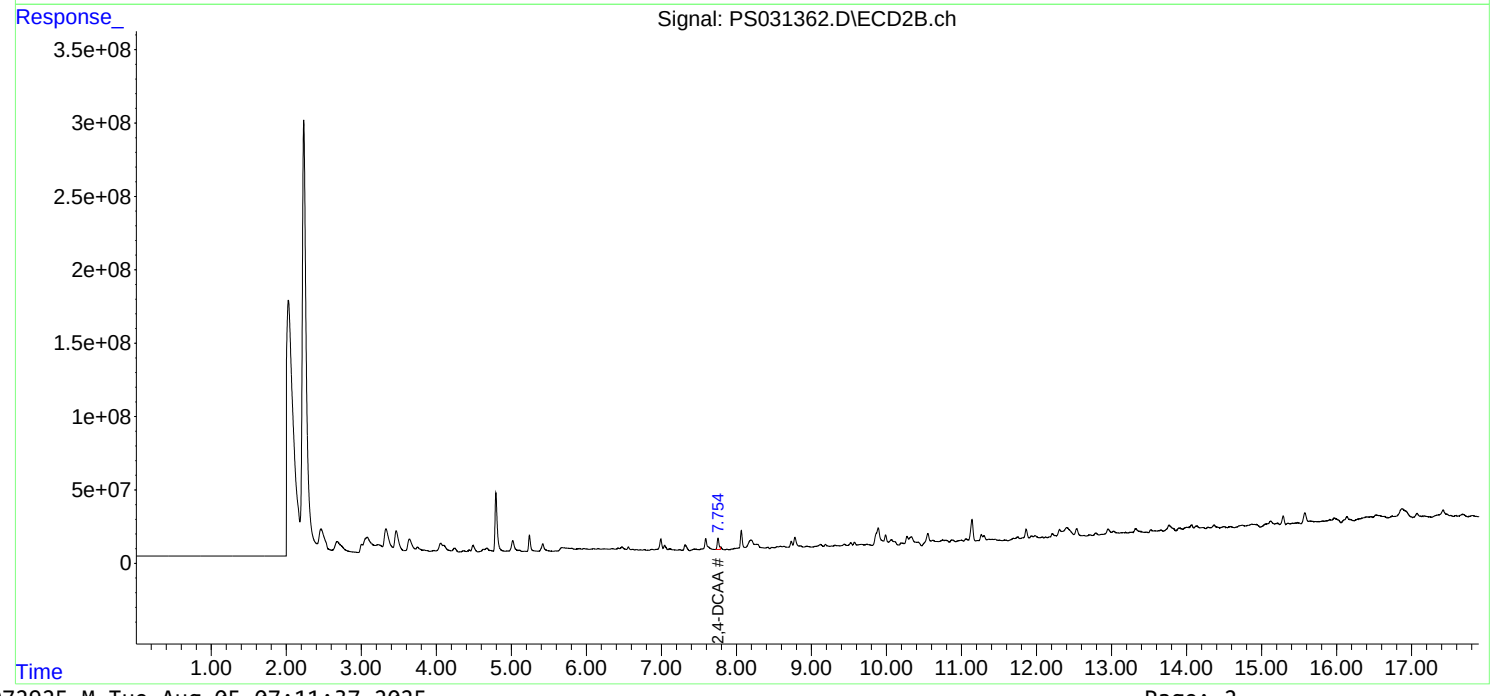
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

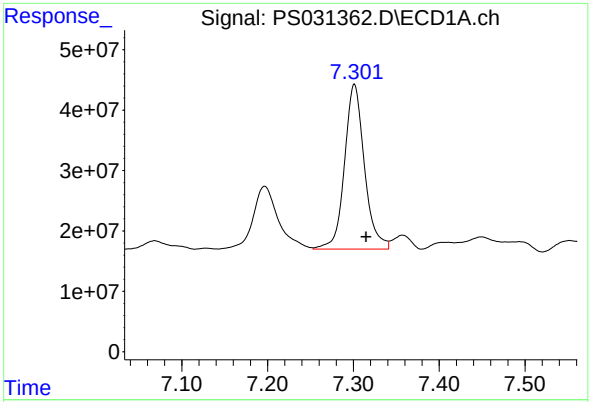
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:48:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







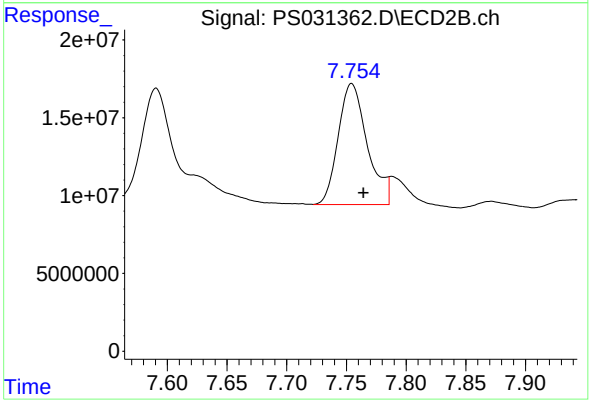
#4 2,4-DCAA

R.T.: 7.301 min
Delta R.T.: -0.013 min
Response: 440059042
Conc: 151.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



#4 2,4-DCAA

R.T.: 7.754 min
Delta R.T.: -0.010 min
Response: 132027143
Conc: 158.10 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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-09	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	63.7 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
PS031374.D	1	08/04/25 08:25	08/05/25 14:58	PB169091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.052	U	0.012	0.052	0.11	mg/Kg
75-99-0	DALAPON	0.078	U	0.027	0.078	0.11	mg/Kg
120-36-5	DICHLORPROP	0.052	U	0.020	0.052	0.11	mg/Kg
94-75-7	2,4-D	0.052	U	0.014	0.052	0.11	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.052	U	0.014	0.052	0.11	mg/Kg
93-76-5	2,4,5-T	0.052	U	0.014	0.052	0.11	mg/Kg
94-82-6	2,4-DB	0.052	U	0.038	0.052	0.11	mg/Kg
88-85-7	DINOSEB	0.052	U	0.017	0.052	0.11	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	234		27 - 122		47%	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\PS080525\
Data File : PS031374.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 14:58
Operator : AR\AJ
Sample : Q2747-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:49:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.299	7.752	600.9E6	195.1E6	206.247	233.674
	Target Compounds						

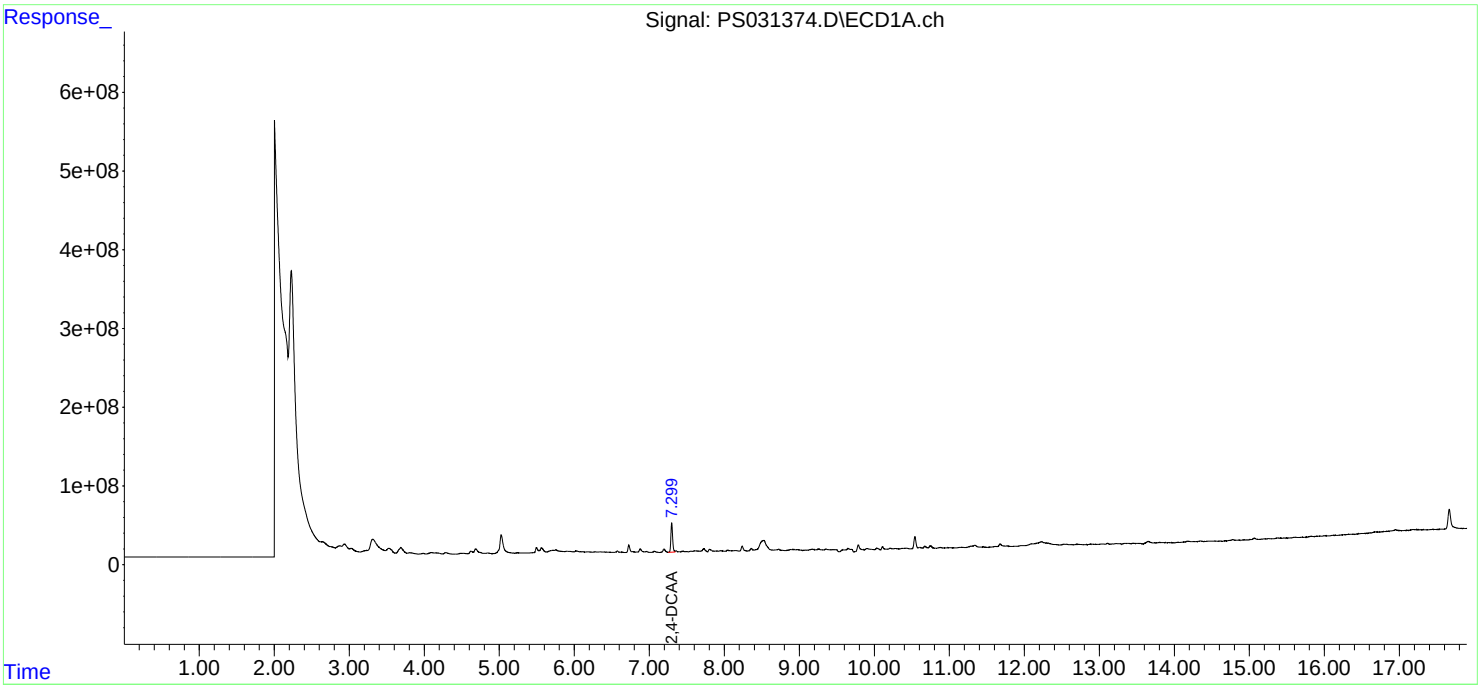
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

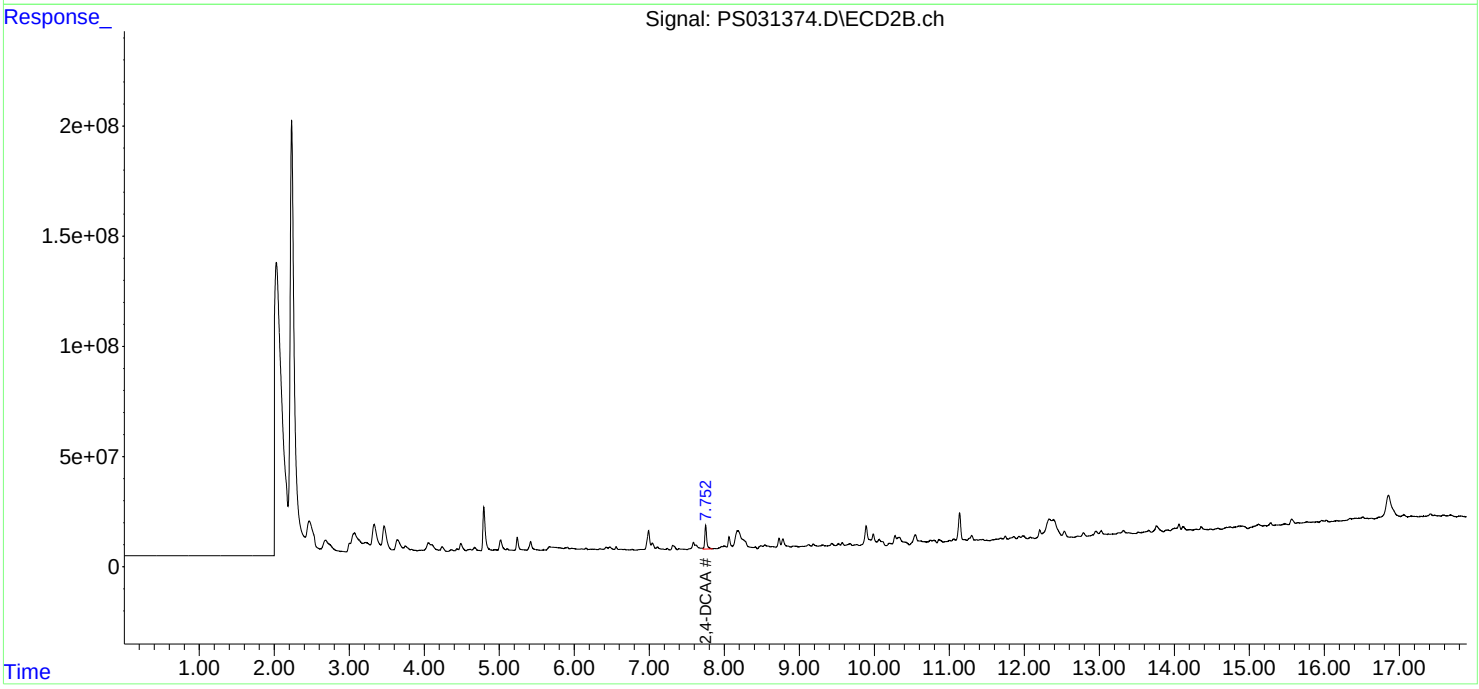
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031374.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 14:58
Operator : AR\AJ
Sample : Q2747-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

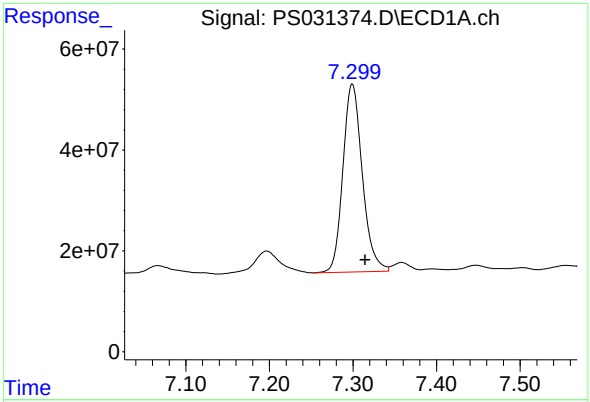
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:49:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



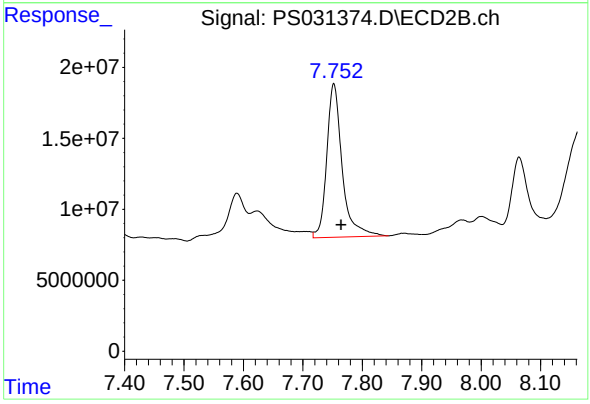




#4 2,4-DCAA

R.T.: 7.299 min
Delta R.T.: -0.015 min
Response: 600882322
Conc: 206.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.012 min
Response: 195137080
Conc: 233.67 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.:** Q2747

Instrument ID: ECD_S **Calibration Date(s):** 07/29/2025 07/29/2025

Calibration Times: 16:30 18:07

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

LAB FILE ID: RT 200 = PS031275.D RT 500 = PS031276.D

RT 750 = PS031277.D RT 1000 = PS031278.D RT 1500 = PS031279.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.62	9.62	9.62	9.62	9.62	9.62	9.52	9.72
2,4,5-TP(Silvex)	9.33	9.33	9.33	9.33	9.33	9.33	9.23	9.43
2,4-D	8.45	8.45	8.45	8.45	8.45	8.45	8.35	8.55
2,4-DB	10.20	10.20	10.20	10.20	10.20	10.20	10.10	10.30
2,4-DCAA	7.32	7.32	7.32	7.32	7.32	7.32	7.22	7.42
Dalapon	2.69	2.69	2.69	2.69	2.69	2.69	2.59	2.79
DICAMBA	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
DICHLORPROP	8.21	8.21	8.21	8.21	8.21	8.21	8.11	8.31
Dinoseb	11.41	11.41	11.41	11.41	11.41	11.41	11.31	11.51

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: NOBI03
SDG NO.: Q2747
Calibration Date(s): 07/29/2025 07/29/2025
Calibration Times: 16:30 18:07

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

LAB FILE ID: RT 200 = PS031275.D RT 500 = PS031276.D
RT 750 = PS031277.D RT 1000 = PS031278.D RT 1500 = PS031279.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	10.35	10.35	10.35	10.35	10.35	10.25	10.45
2,4,5-TP(Silvex)	9.93	9.92	9.92	9.92	9.92	9.92	9.82	10.02
2,4-D	9.03	9.03	9.03	9.02	9.02	9.03	8.93	9.13
2,4-DB	10.93	10.92	10.92	10.92	10.92	10.92	10.82	11.02
2,4-DCAA	7.77	7.77	7.77	7.76	7.76	7.77	7.67	7.87
Dalapon	2.70	2.70	2.70	2.70	2.70	2.70	2.60	2.80
DICAMBA	7.97	7.97	7.97	7.96	7.97	7.97	7.87	8.07
DICHLORPROP	8.69	8.69	8.69	8.68	8.69	8.69	8.59	8.79
Dinoseb	11.30	11.30	11.30	11.30	11.30	11.30	11.20	11.40

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.: Q2747
Calibration Date(s): 07/29/2025 07/29/2025
Calibration Times: 16:30 18:07

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

LAB FILE ID: CF 200 = PS031275.D CF 500 = PS031276.D
CF 750 = PS031277.D CF 1000 = PS031278.D CF 1500 = PS031279.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	12151100000	13103000000	13411600000	13932200000	13905800000	13300700000	6
2,4,5-TP(Silvex)	16396000000	16819100000	16676100000	16892300000	16522800000	16661300000	1
2,4-D	2576570000	2575840000	2553160000	2630000000	2631140000	2593340000	1
2,4-DB	1525540000	1687580000	1742070000	1857760000	1923310000	1747250000	9
2,4-DCAA	3064840000	2959730000	2862370000	2871350000	2808730000	2913400000	3
Dalapon	5061370000	4888700000	4705210000	4735260000	4732270000	4824560000	3
DICAMBA	13130200000	13013400000	12746000000	12939900000	12773600000	12920600000	1
DICHLORPROP	3369370000	3071280000	2919100000	2949230000	2891090000	3040010000	6
Dinoseb	11332000000	11371000000	11439200000	11687400000	11488100000	11463500000	1

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.: Q2747
Calibration Date(s): 07/29/2025 07/29/2025
Calibration Times: 16:30 18:07

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

LAB FILE ID: CF 200 = PS031275.D CF 500 = PS031276.D
CF 750 = PS031277.D CF 1000 = PS031278.D CF 1500 = PS031279.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	11672100000	11796700000	11598600000	11728700000	11527300000	11664700000	1
2,4,5-TP(Silvex)	13057400000	12937900000	12568100000	12631100000	12319500000	12702800000	2
2,4-D	1448930000	1409840000	1369840000	1380980000	1368050000	1395530000	2
2,4-DB	910565000	996622000	969208000	977978000	974906000	965856000	3
2,4-DCAA	882797000	843990000	816032000	820679000	811907000	835081000	4
Dalapon	2577950000	2466760000	2417290000	2427300000	2391630000	2456190000	3
DICAMBA	5377640000	5415560000	5341790000	5468990000	5500260000	5420850000	1
DICHLORPROP	1404880000	1322050000	1267670000	1263010000	1242680000	1300060000	5
Dinoseb	9615850000	9346140000	9205410000	9325410000	9206870000	9339930000	2

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:30
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 17:39:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.316	7.768	613.0E6	176.6E6	206.922	208.304
		Target Compounds						
1)	T	Dalapon	2.688	2.704	921.2E6	469.2E6	188.568	188.630
2)	T	3,5-DICHL...	6.478	6.715	822.8E6	252.1E6	191.081	192.345
3)	T	4-Nitroph...	7.118	7.313	182.4E6	226.4E6	181.893	178.469
5)	T	DICAMBA	7.503	7.966	2468.5E6	1011.0E6	190.422	187.976
6)	T	MCPP	7.681	8.060	113.1E6	25466191	15.263	15.980
7)	T	MCPA	7.831	8.308	152.6E6	42129242	16.560	16.914
8)	T	DICHLORPROP	8.214	8.687	633.4E6	264.1E6	203.032	198.356
9)	T	2,4-D	8.448	9.030	484.4E6	272.4E6	188.589	193.254
10)	T	Pentachlo...	8.745	9.538	9305.3E6	6464.8E6	191.406	189.296
11)	T	2,4,5-TP ...	9.327	9.925	3115.2E6	2480.9E6	187.322	192.999
12)	T	2,4,5-T	9.623	10.355	2308.7E6	2217.7E6	179.129	189.723
13)	T	2,4-DB	10.202	10.925	289.9E6	173.0E6	175.484	180.975m
14)	T	DINOSEB	11.407	11.302	2130.4E6	1807.8E6	187.195	192.540
15)	T	Picloram	11.230	12.428	1927.2E6	2762.4E6	173.439	170.671
16)	T	DCPA	11.705	12.346	3830.0E6	3578.8E6	186.172	191.067

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

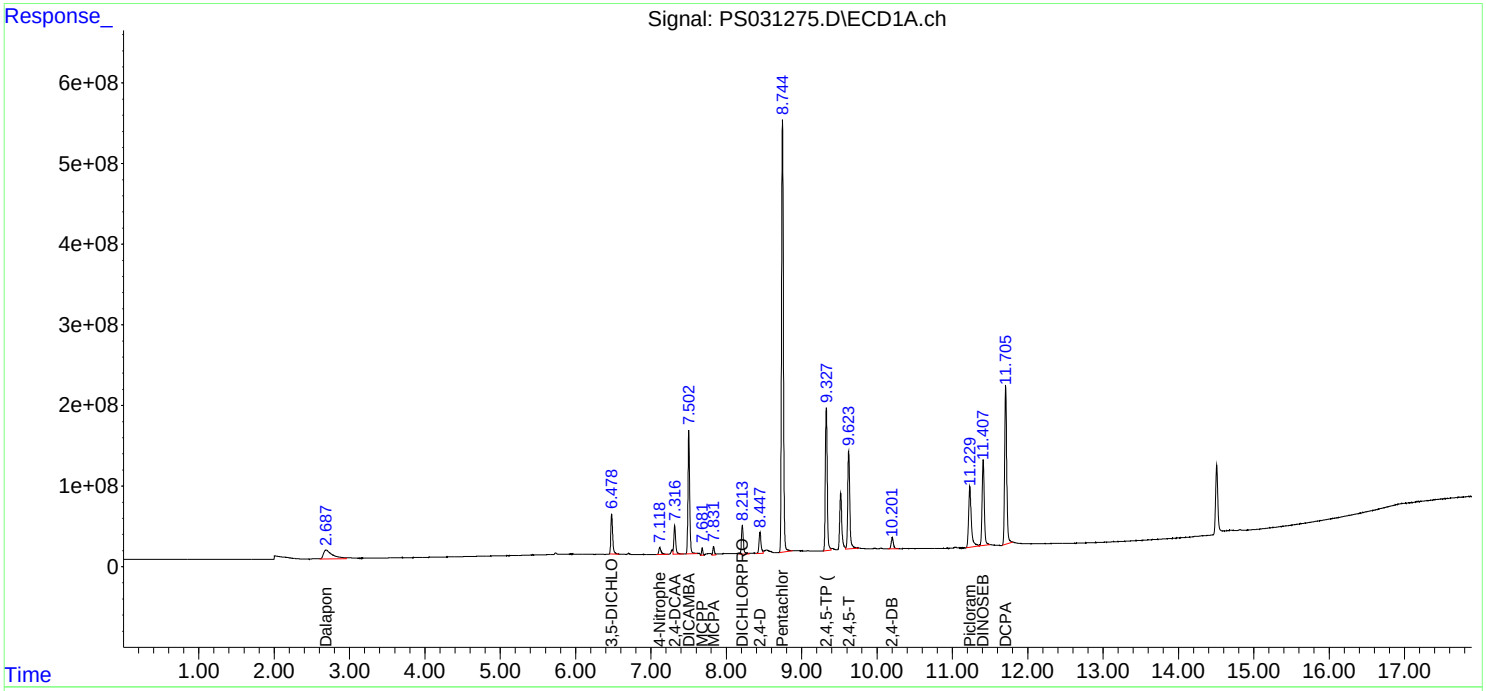
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:30
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

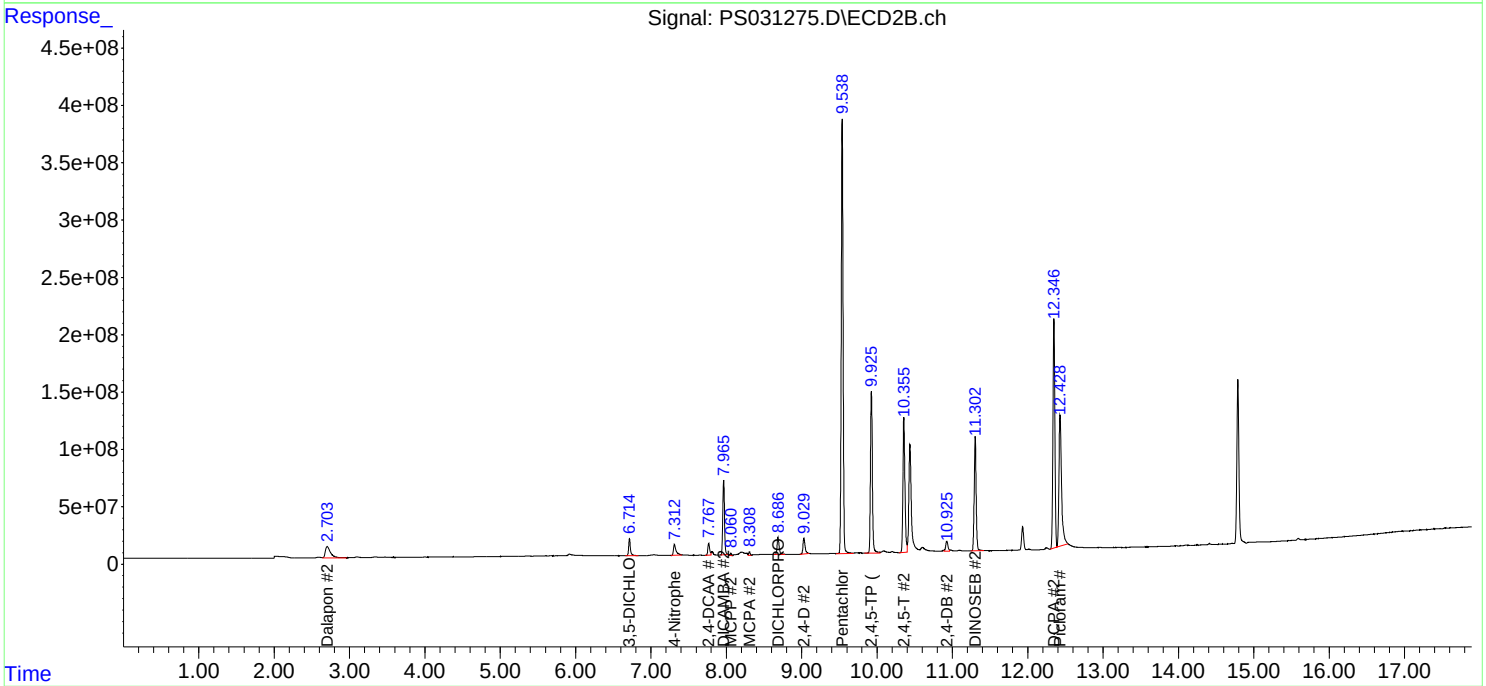
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

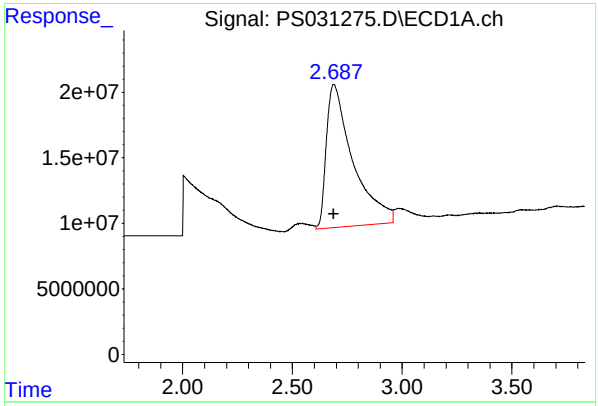
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 17:39:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







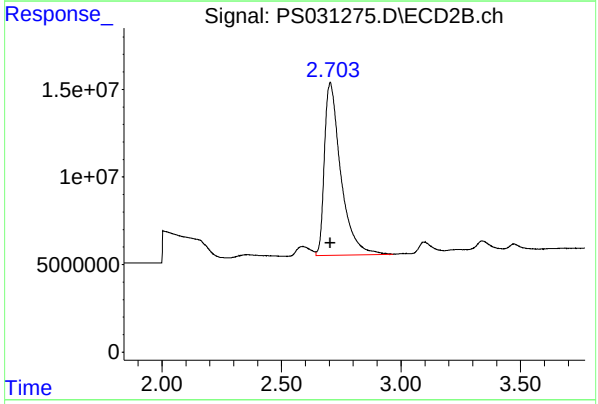
#1 Dalapon

R.T.: 2.688 min
Delta R.T.: 0.000 min
Response: 921169663
Conc: 188.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

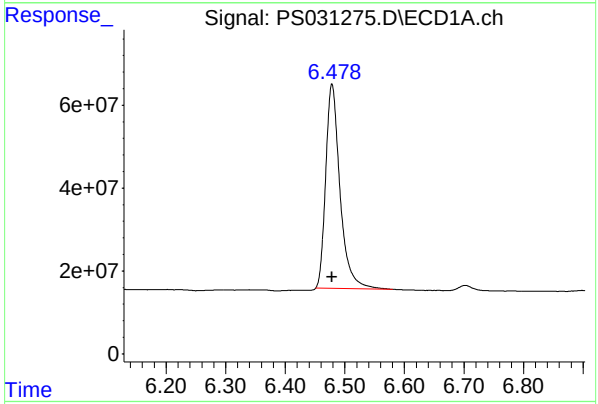
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



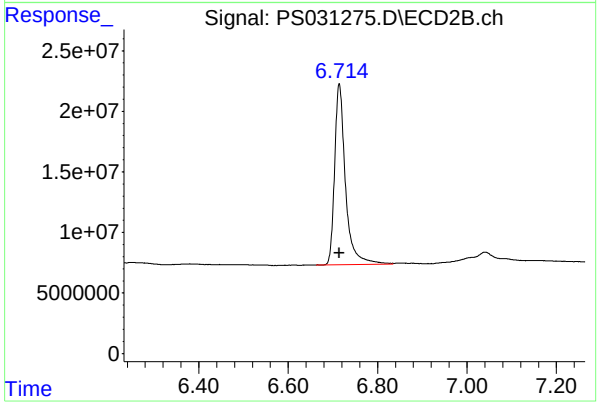
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 469186112
Conc: 188.63 ng/ml



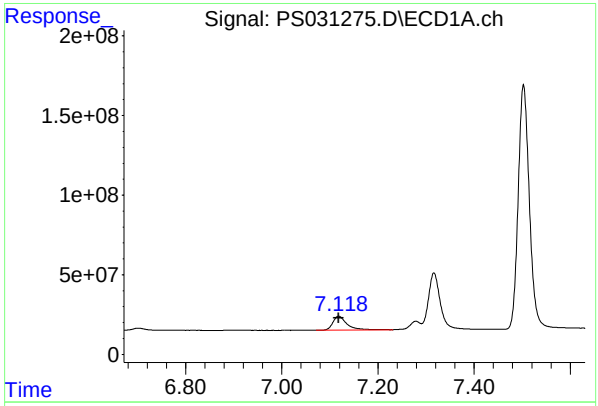
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 822756364
Conc: 191.08 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 252050677
Conc: 192.35 ng/ml



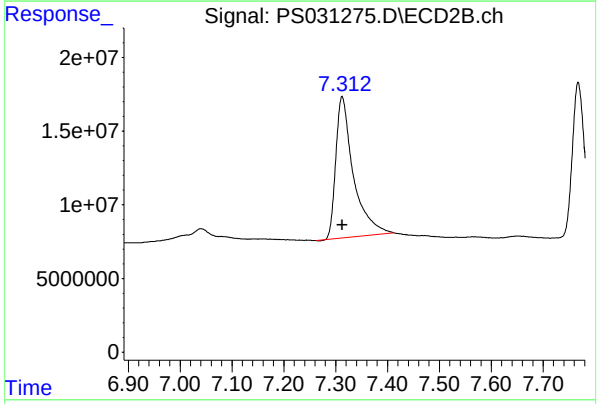
#3 4-Nitrophenol

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 182409458
Conc: 181.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

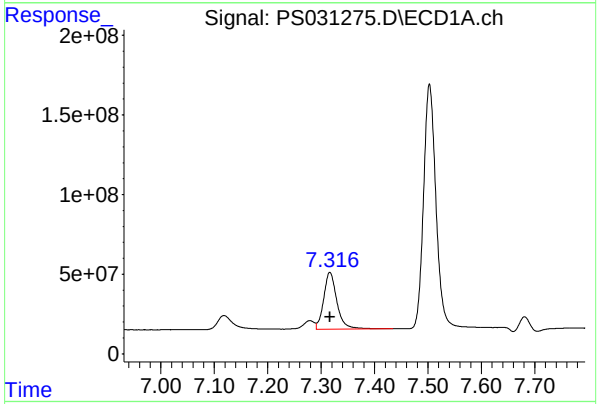
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



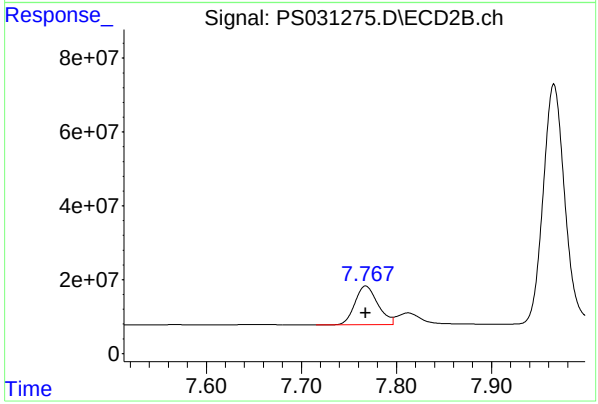
#3 4-Nitrophenol

R.T.: 7.313 min
Delta R.T.: 0.000 min
Response: 226384237
Conc: 178.47 ng/ml



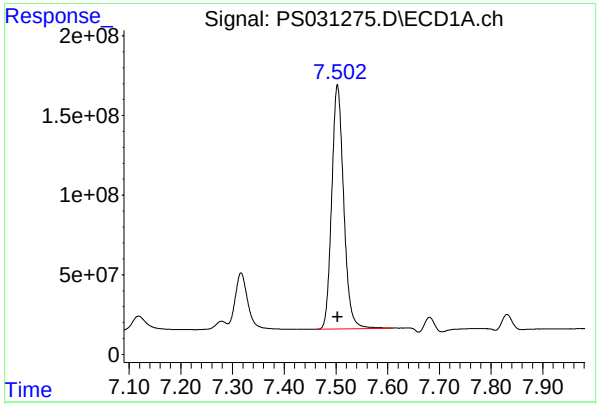
#4 2,4-DCAA

R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 612967772
Conc: 206.92 ng/ml



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 176559435
Conc: 208.30 ng/ml



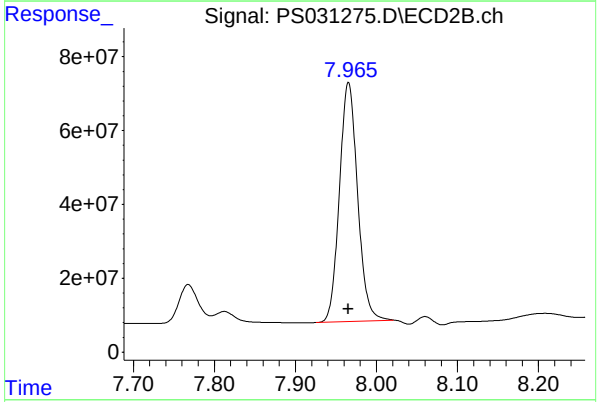
#5 DICAMBA

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 2468469764
Conc: 190.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

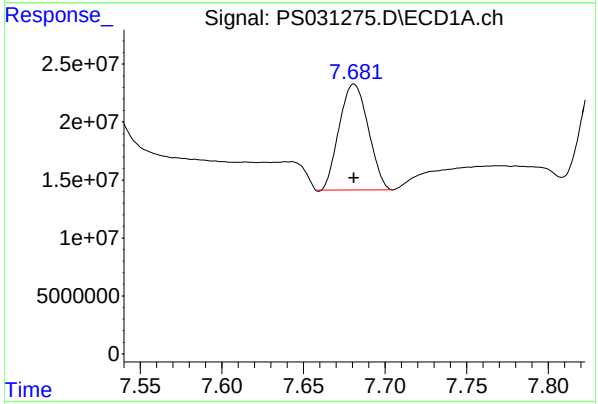
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



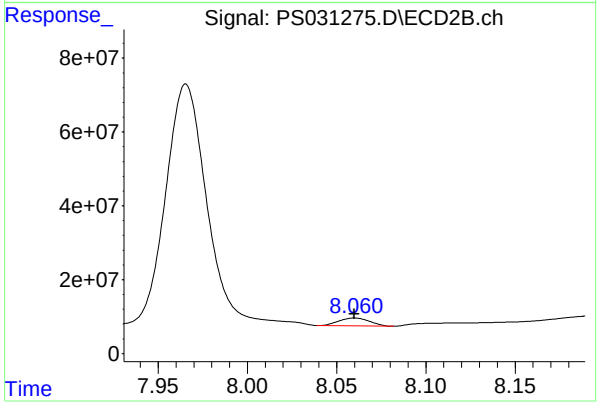
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: 0.000 min
Response: 1010996129
Conc: 187.98 ng/ml



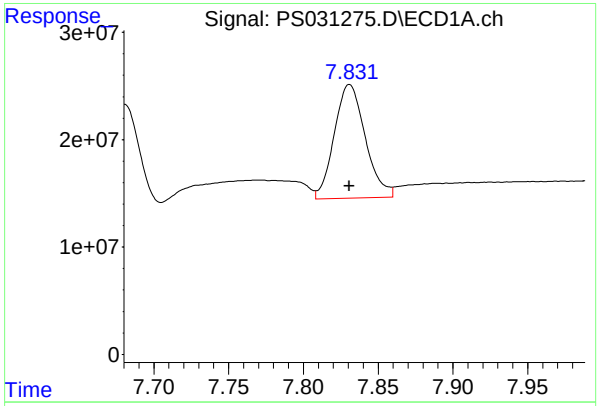
#6 MCPP

R.T.: 7.681 min
Delta R.T.: 0.000 min
Response: 113132233
Conc: 15.26 ug/ml



#6 MCPP

R.T.: 8.060 min
Delta R.T.: 0.000 min
Response: 25466191
Conc: 15.98 ug/ml



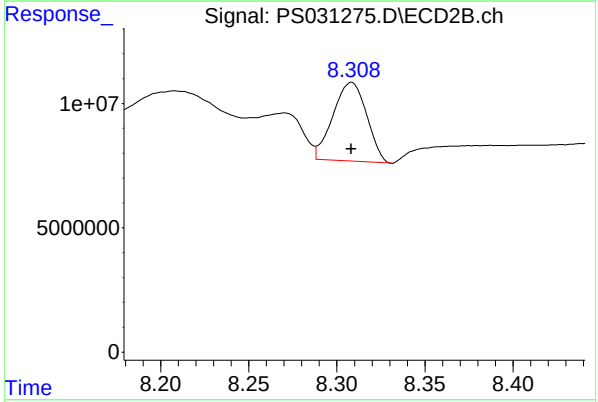
#7 MCPA

R.T.: 7.831 min
Delta R.T.: 0.000 min
Response: 152634492
Conc: 16.56 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

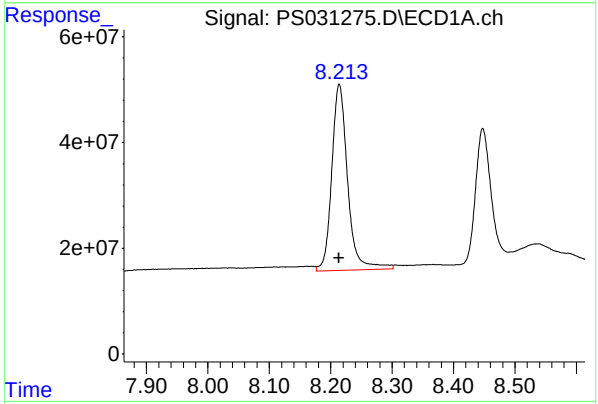
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



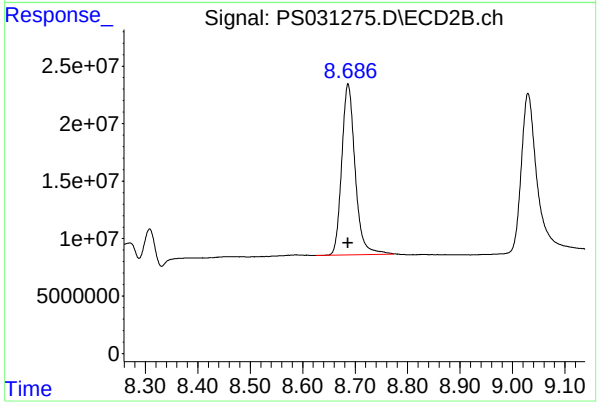
#7 MCPA

R.T.: 8.308 min
Delta R.T.: 0.000 min
Response: 42129242
Conc: 16.91 ug/ml



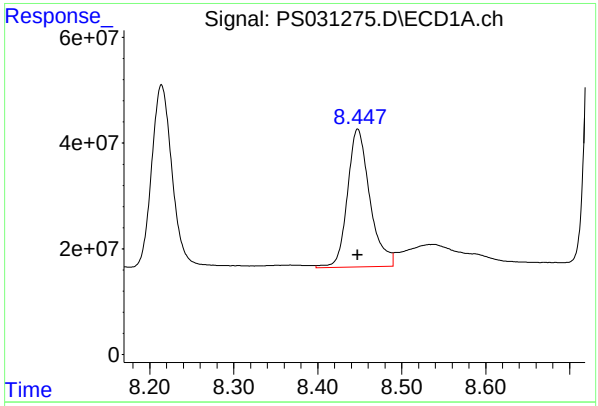
#8 DICHLORPROP

R.T.: 8.214 min
Delta R.T.: 0.000 min
Response: 633442014
Conc: 203.03 ng/ml



#8 DICHLORPROP

R.T.: 8.687 min
Delta R.T.: 0.000 min
Response: 264117010
Conc: 198.36 ng/ml



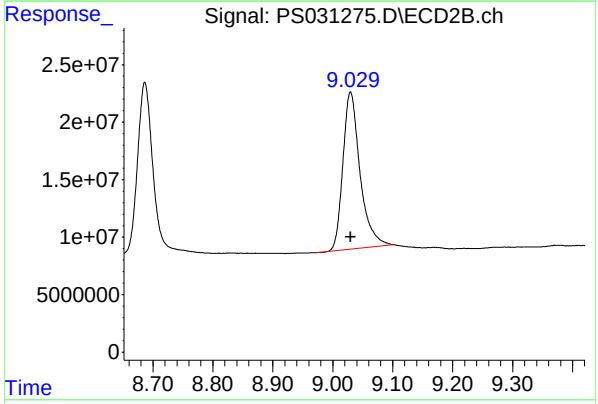
#9 2,4-D

R.T.: 8.448 min
Delta R.T.: 0.000 min
Response: 484395281
Conc: 188.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

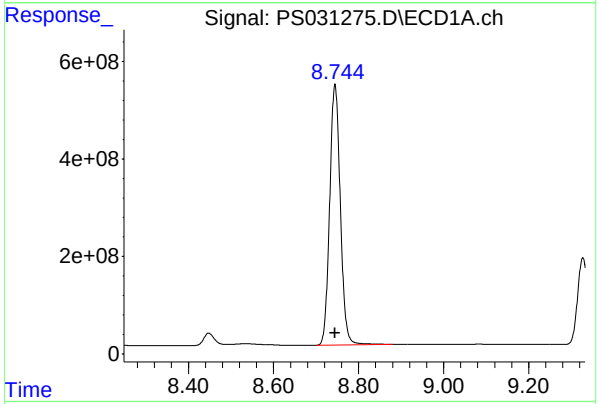
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



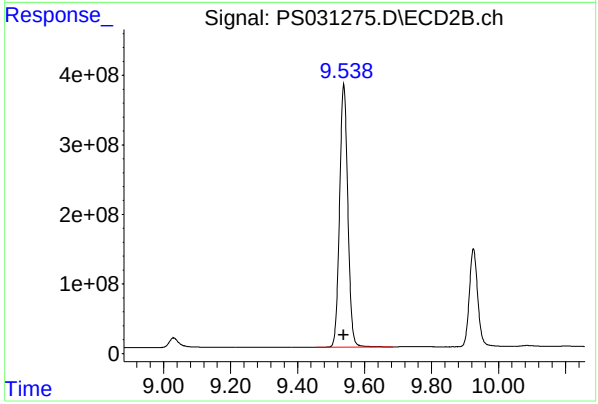
#9 2,4-D

R.T.: 9.030 min
Delta R.T.: 0.000 min
Response: 272398710
Conc: 193.25 ng/ml



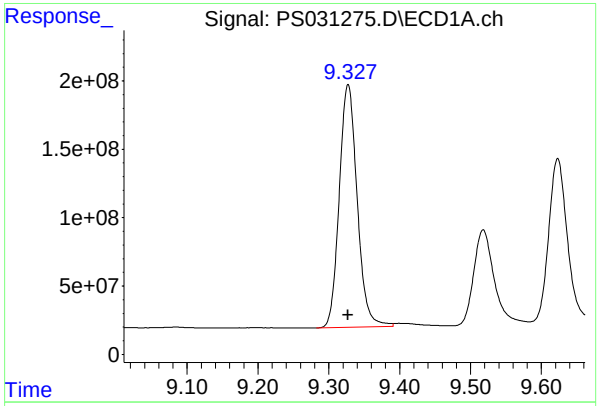
#10 Pentachlorophenol

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 9305287569
Conc: 191.41 ng/ml



#10 Pentachlorophenol

R.T.: 9.538 min
Delta R.T.: 0.000 min
Response: 6464774696
Conc: 189.30 ng/ml



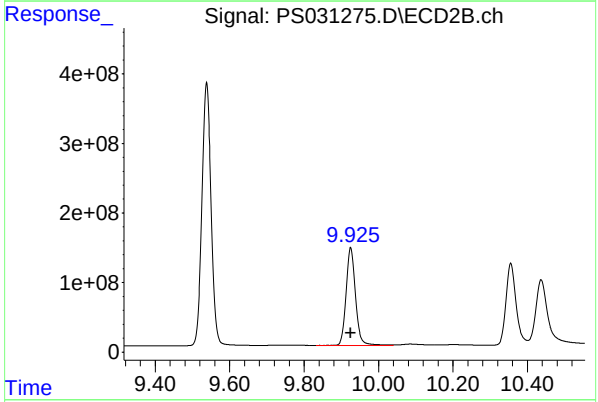
#11 2,4,5-TP (SILVEX)

R.T.: 9.327 min
Delta R.T.: 0.000 min
Response: 3115240515
Conc: 187.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

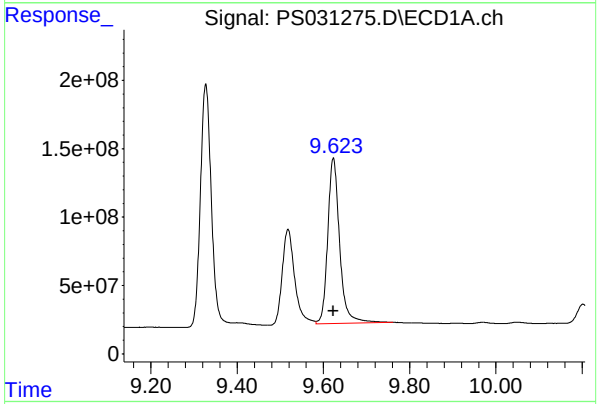
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



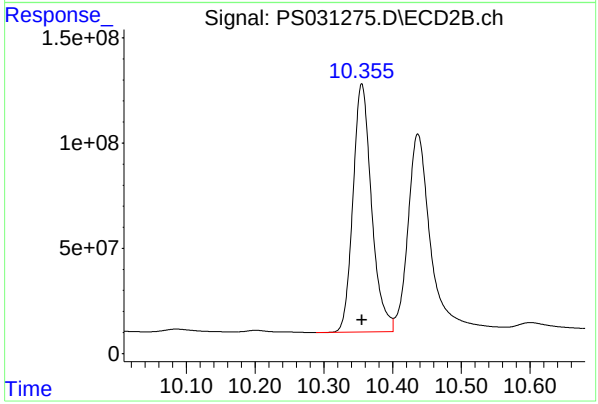
#11 2,4,5-TP (SILVEX)

R.T.: 9.925 min
Delta R.T.: 0.000 min
Response: 2480902473
Conc: 193.00 ng/ml



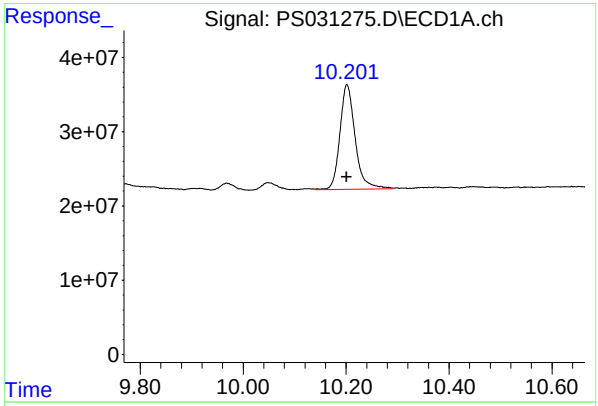
#12 2,4,5-T

R.T.: 9.623 min
Delta R.T.: 0.000 min
Response: 2308713314
Conc: 179.13 ng/ml



#12 2,4,5-T

R.T.: 10.355 min
Delta R.T.: 0.000 min
Response: 2217695770
Conc: 189.72 ng/ml



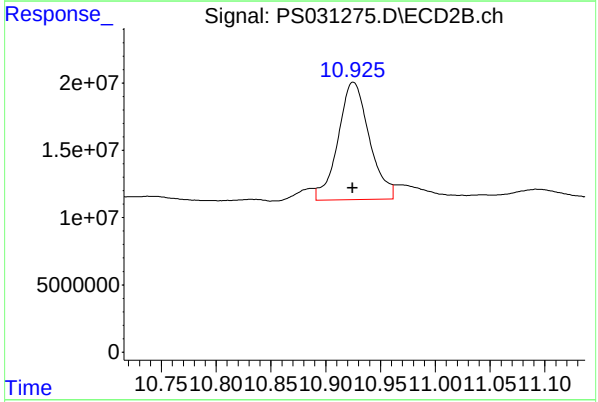
#13 2,4-DB

R.T.: 10.202 min
Delta R.T.: 0.000 mi
Response: 289853079
Conc: 175.48 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

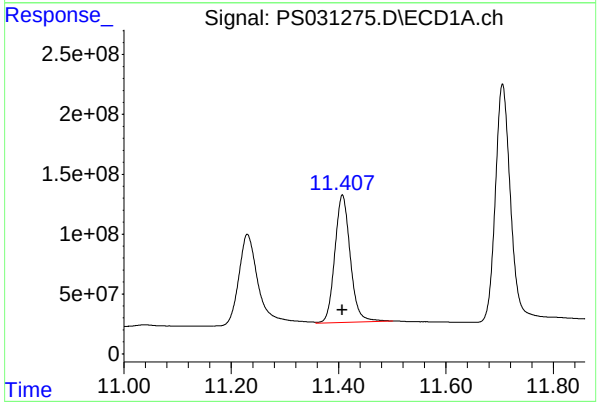
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



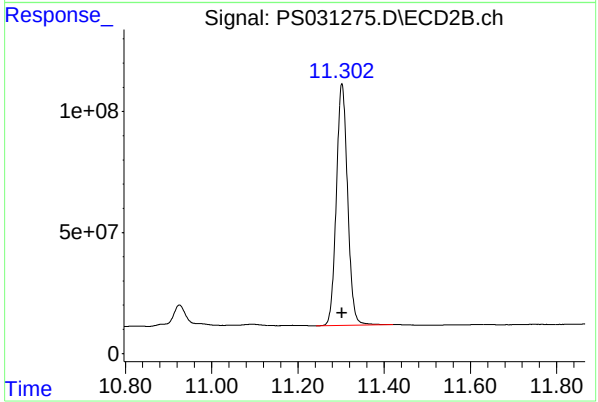
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 173007427
Conc: 180.98 ng/ml m



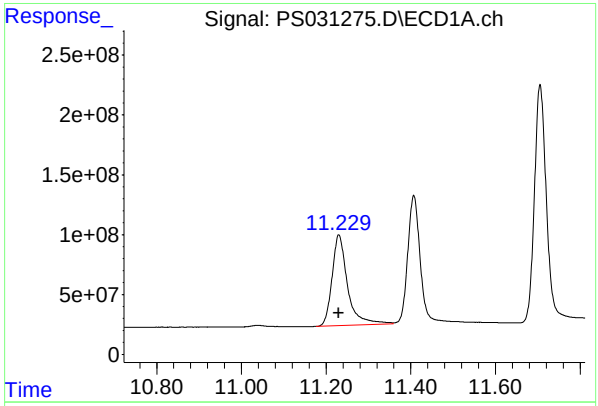
#14 DINOSEB

R.T.: 11.407 min
Delta R.T.: 0.000 min
Response: 2130418736
Conc: 187.19 ng/ml



#14 DINOSEB

R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 1807779840
Conc: 192.54 ng/ml



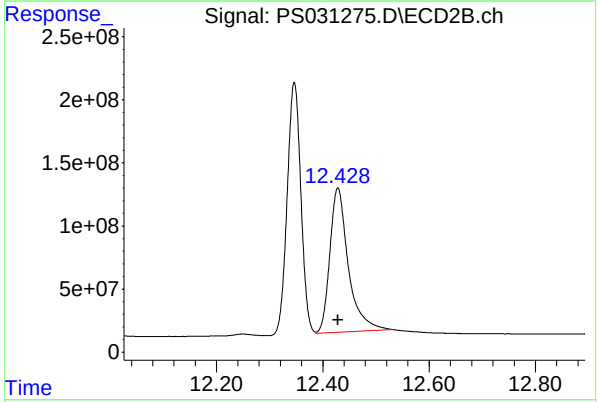
#15 Picloram

R.T.: 11.230 min
Delta R.T.: 0.000 min
Response: 1927245063
Conc: 173.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

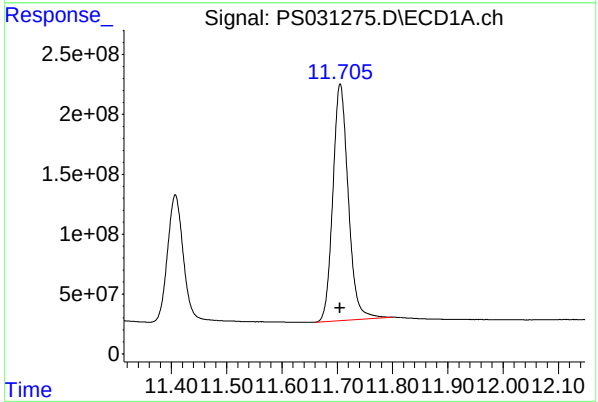
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



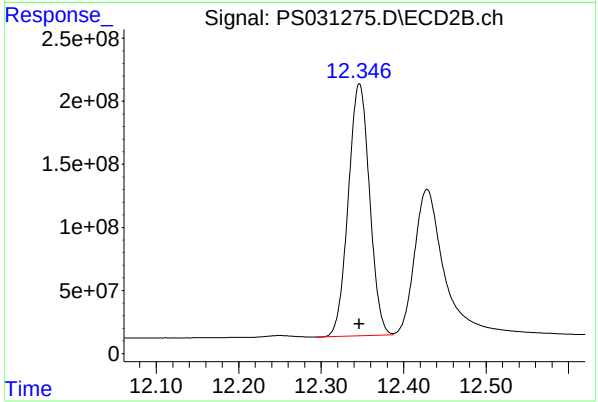
#15 Picloram

R.T.: 12.428 min
Delta R.T.: 0.000 min
Response: 2762429194
Conc: 170.67 ng/ml



#16 DCPA

R.T.: 11.705 min
Delta R.T.: 0.000 min
Response: 3829977338
Conc: 186.17 ng/ml



#16 DCPA

R.T.: 12.346 min
Delta R.T.: 0.000 min
Response: 3578820387
Conc: 191.07 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:54
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 29 17:37:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.316	7.766	1479.9E6	422.0E6	508.361	508.421
		Target Compounds						
1)	T	Dalapon	2.687	2.704	2224.4E6	1122.4E6	463.702	459.609
2)	T	3,5-DICHL...	6.478	6.713	2011.4E6	607.7E6	473.617	471.804
3)	T	4-Nitroph...	7.117	7.306	456.9E6	583.2E6	455.473	455.371
5)	T	DICAMBA	7.503	7.965	6116.3E6	2545.3E6	474.878	473.223
6)	T	MCPP	7.682	8.062	374.1E6	79075575	46.126	46.157
7)	T	MCPA	7.832	8.310	446.0E6	120.6E6	45.871	46.328
8)	T	DICHLORPROP	8.213	8.686	1443.5E6	621.4E6	481.940	479.870
9)	T	2,4-D	8.446	9.026	1210.6E6	662.6E6	472.078	476.764
10)	T	Pentachlo...	8.744	9.538	23252.7E6	16426.0E6	480.076	480.083
11)	T	2,4,5-TP ...	9.327	9.924	7989.1E6	6145.5E6	477.029	481.888
12)	T	2,4,5-T	9.622	10.353	6223.9E6	5603.4E6	469.473	479.022
13)	T	2,4-DB	10.200	10.923	801.6E6	473.4E6	467.453	481.624
14)	T	DINOSEB	11.406	11.302	5344.4E6	4392.7E6	468.594	473.565
15)	T	Picloram	11.228	12.423	5380.0E6	7919.9E6	463.946	465.630
16)	T	DCPA	11.705	12.346	10037.6E6	9125.4E6	480.627	486.010

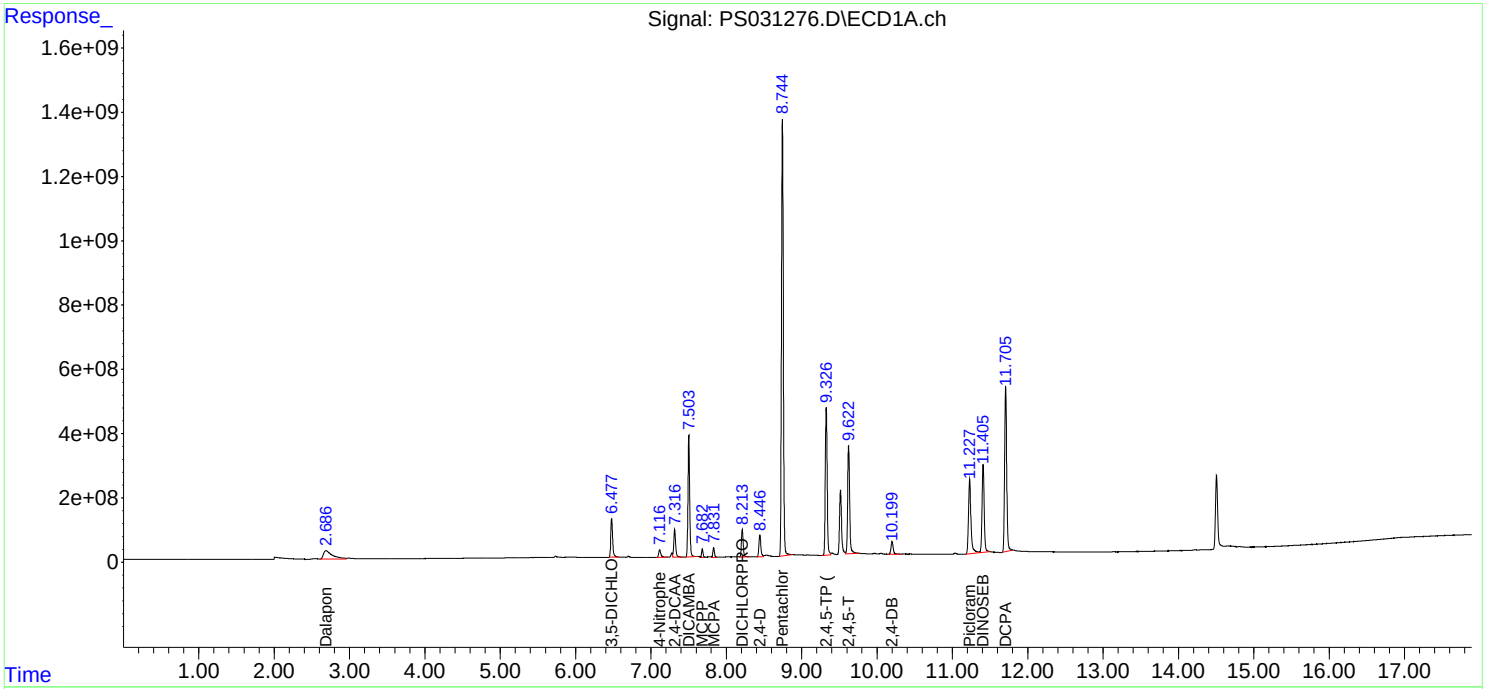
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

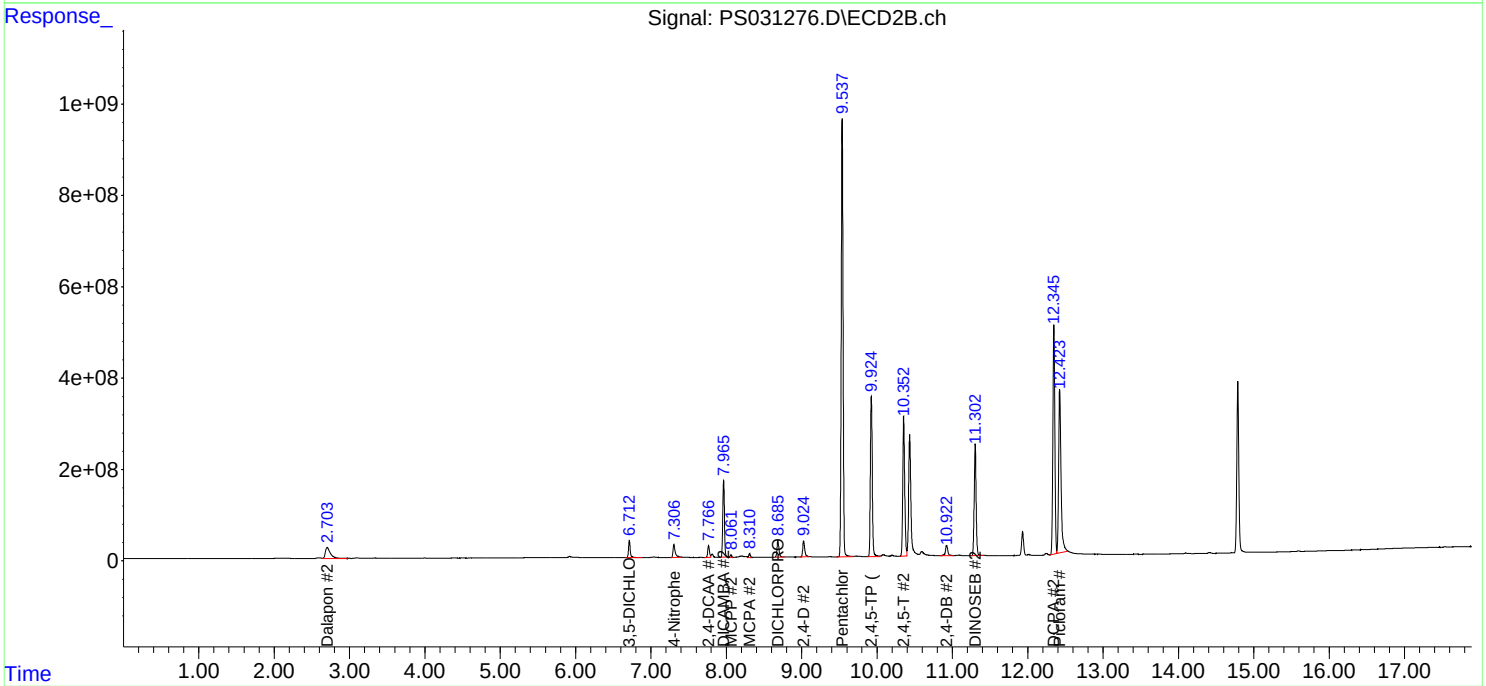
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:54
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

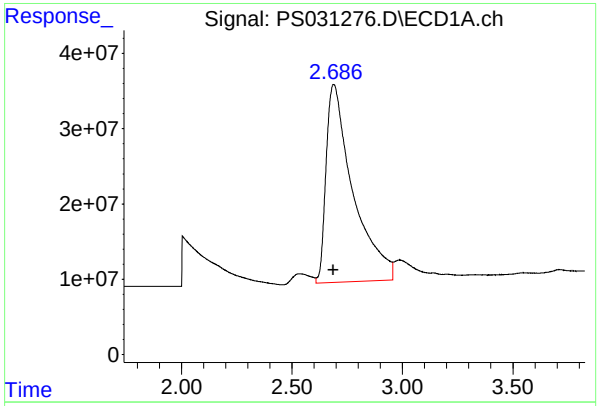
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 17:37:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



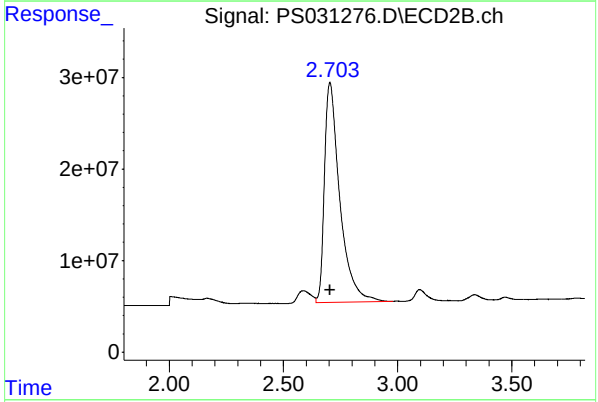




#1 Dalapon

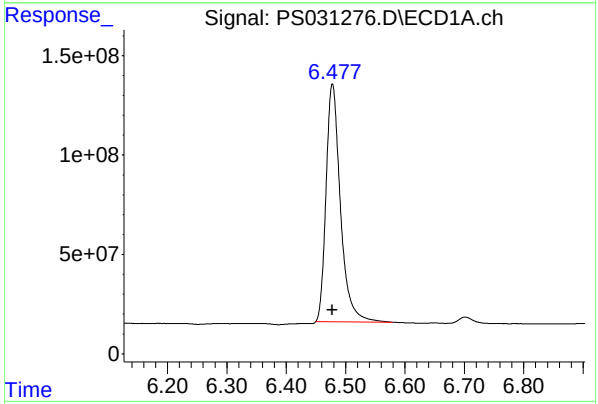
R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 2224356255
Conc: 463.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



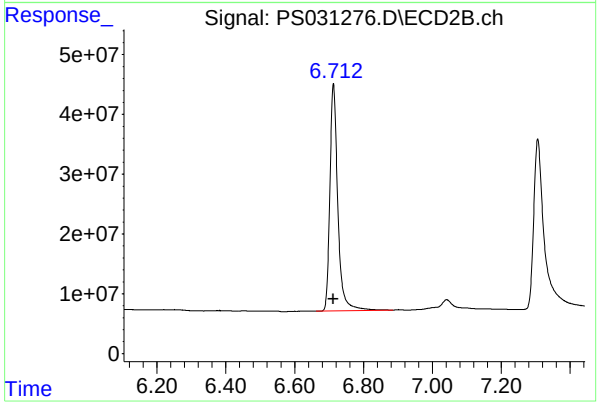
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1122375120
Conc: 459.61 ng/ml



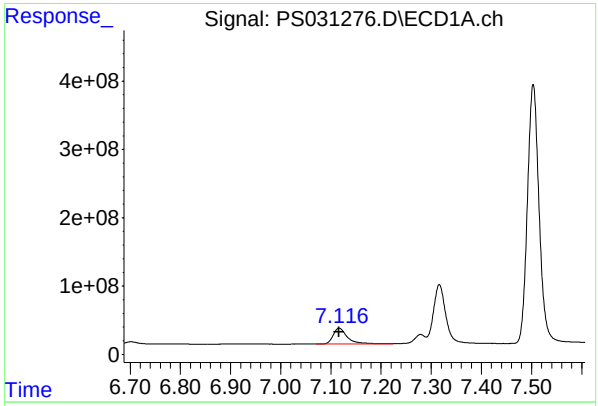
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 2011437664
Conc: 473.62 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

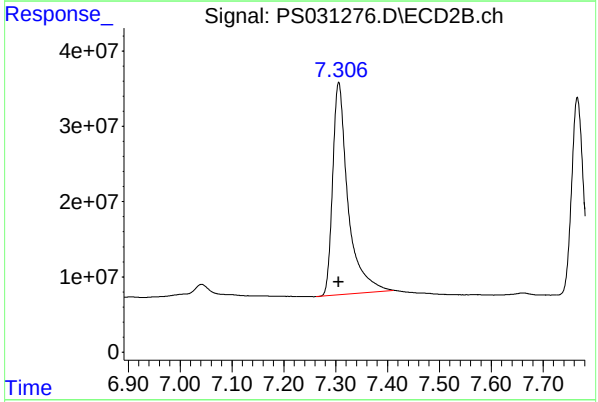
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 607709799
Conc: 471.80 ng/ml



#3 4-Nitrophenol

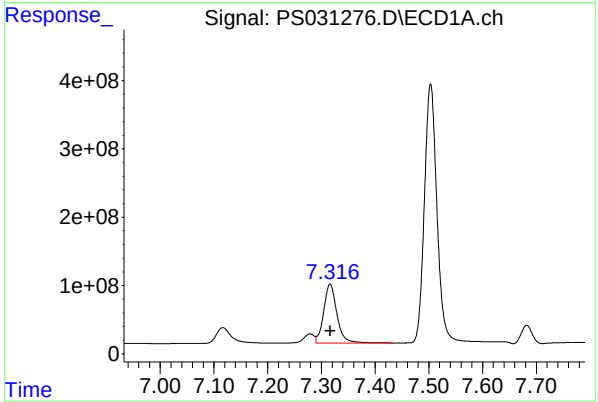
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 456899012
Conc: 455.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



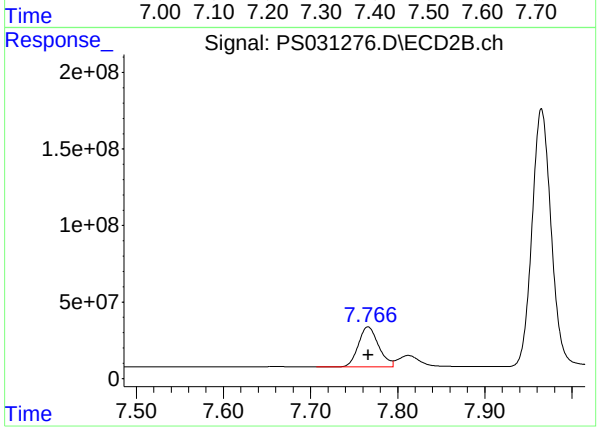
#3 4-Nitrophenol

R.T.: 7.306 min
Delta R.T.: 0.000 min
Response: 583230187
Conc: 455.37 ng/ml



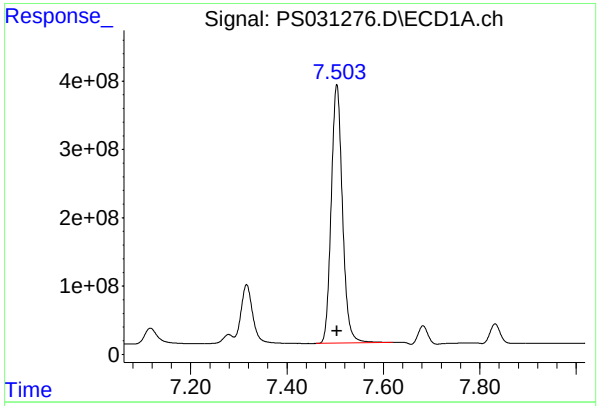
#4 2,4-DCAA

R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 1479863086
Conc: 508.36 ng/ml



#4 2,4-DCAA

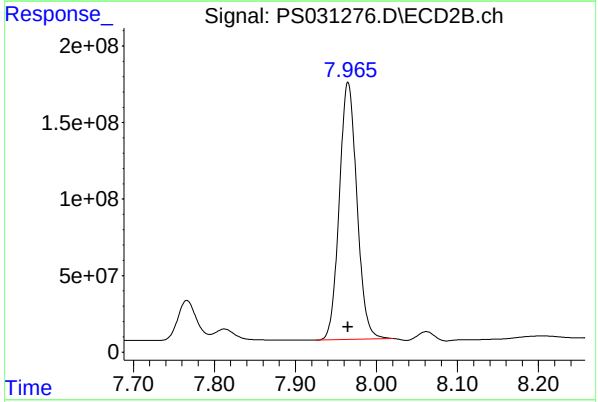
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 421994846
Conc: 508.42 ng/ml



#5 DICAMBA

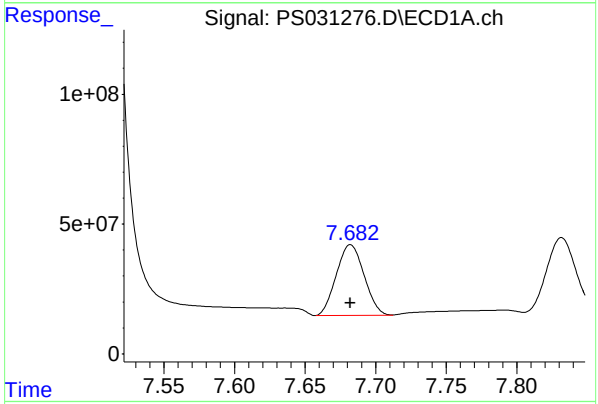
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 6116274894
Conc: 474.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



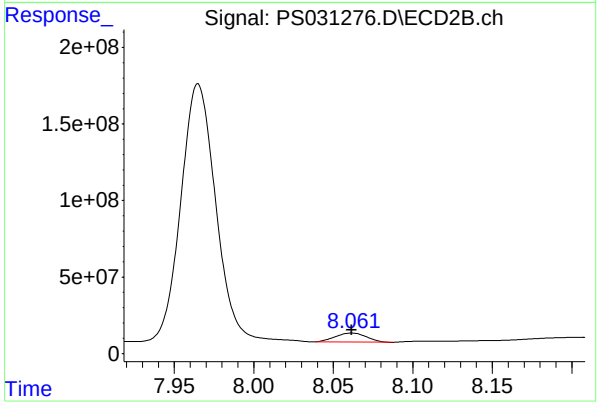
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: 0.000 min
Response: 2545312955
Conc: 473.22 ng/ml



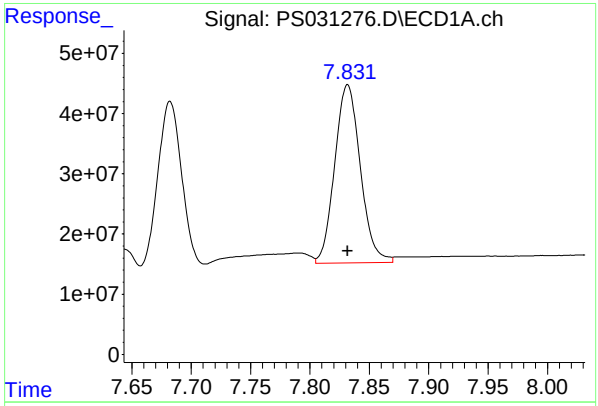
#6 MCPP

R.T.: 7.682 min
Delta R.T.: 0.000 min
Response: 374058775
Conc: 46.13 ug/ml



#6 MCPP

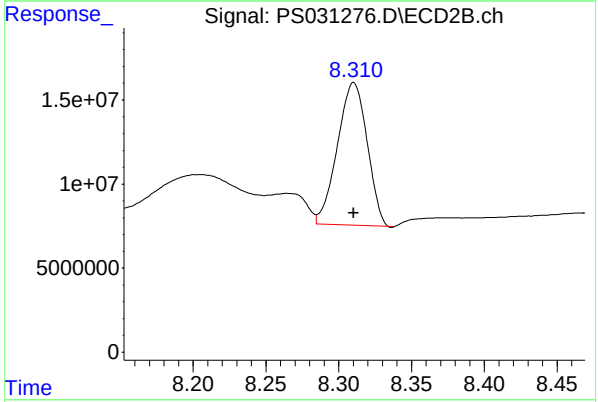
R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 79075575
Conc: 46.16 ug/ml



#7 MCPA

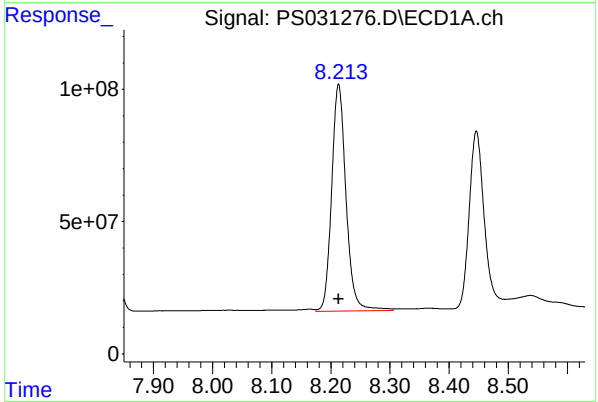
R.T.: 7.832 min
Delta R.T.: 0.000 min
Response: 445976418
Conc: 45.87 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



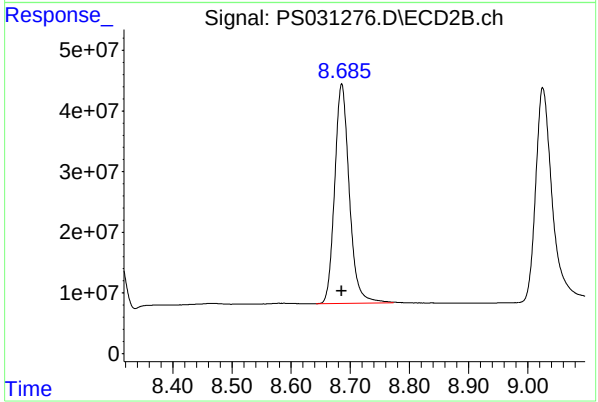
#7 MCPA

R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 120618566
Conc: 46.33 ug/ml



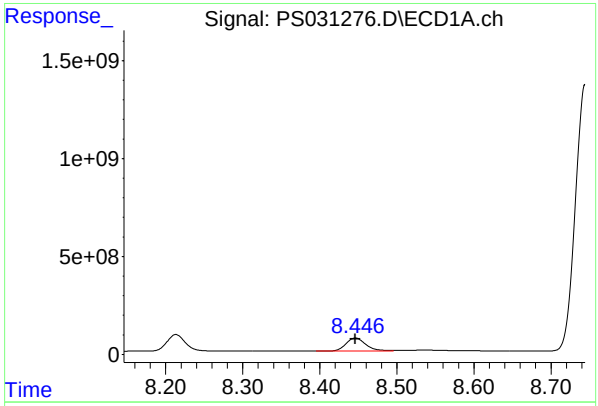
#8 DICHLORPROP

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 1443500988
Conc: 481.94 ng/ml



#8 DICHLORPROP

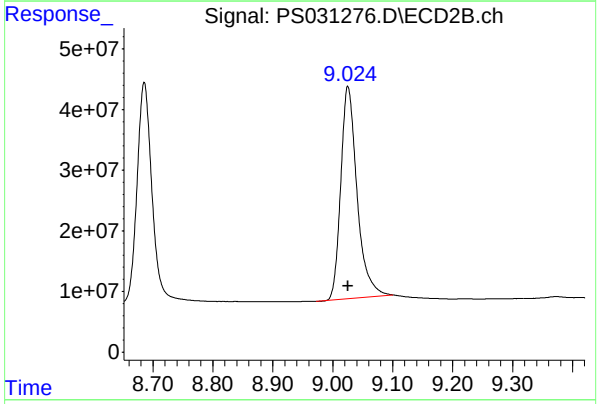
R.T.: 8.686 min
Delta R.T.: 0.000 min
Response: 621364556
Conc: 479.87 ng/ml



#9 2,4-D

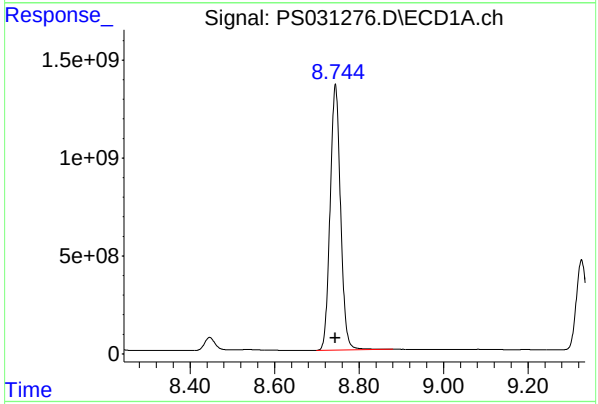
R.T.: 8.446 min
Delta R.T.: 0.000 min
Response: 1210643112
Conc: 472.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



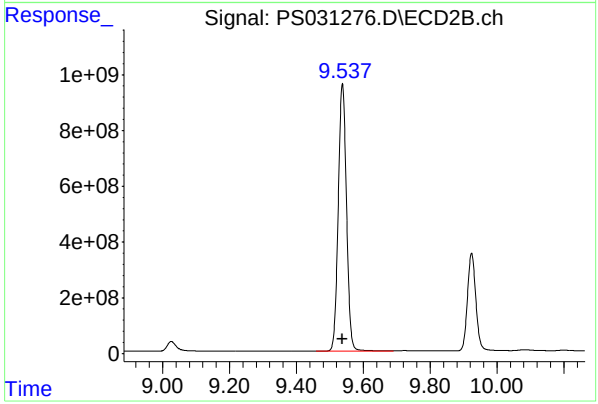
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 662626957
Conc: 476.76 ng/ml



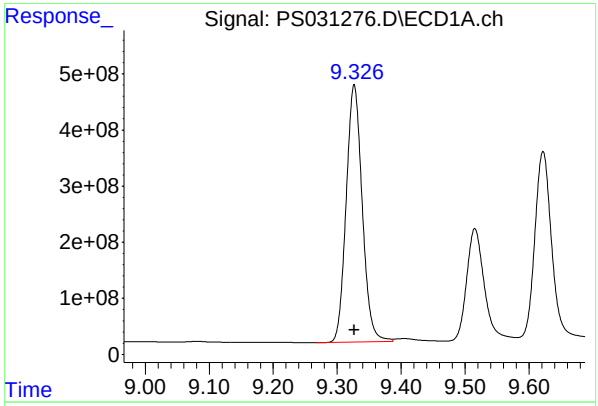
#10 Pentachlorophenol

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 23252674563
Conc: 480.08 ng/ml



#10 Pentachlorophenol

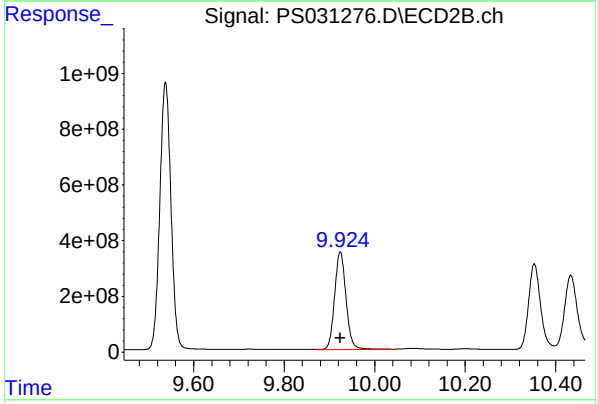
R.T.: 9.538 min
Delta R.T.: 0.000 min
Response: 16426048285
Conc: 480.08 ng/ml



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

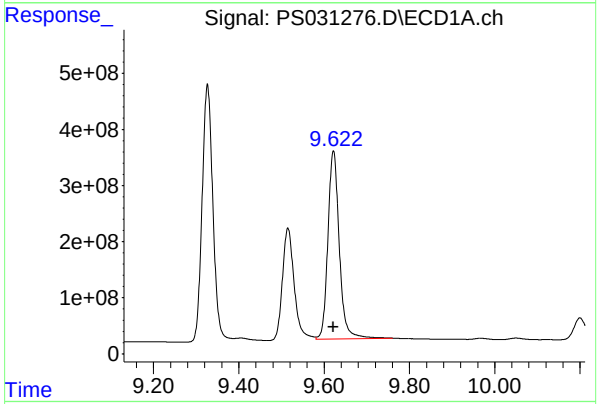
R.T.: 9.327 min
Delta R.T.: 0.000 min
Response: 7989076151
Conc: 477.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



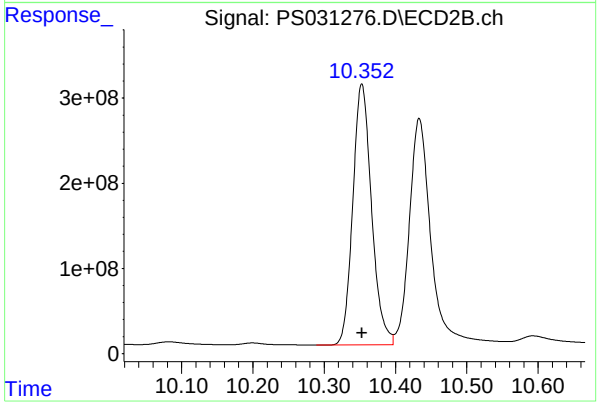
#11 2,4,5-TP (SILVEX)

R.T.: 9.924 min
Delta R.T.: 0.000 min
Response: 6145509752
Conc: 481.89 ng/ml



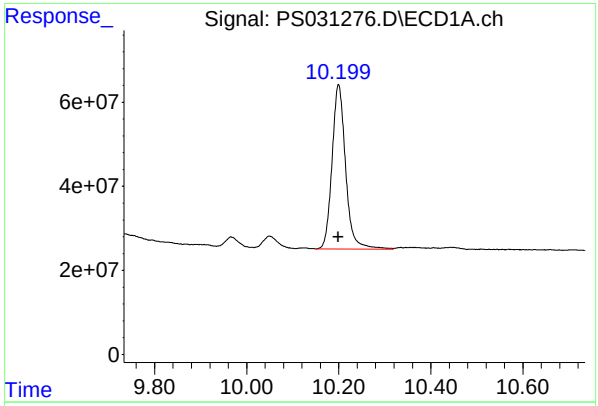
#12 2,4,5-T

R.T.: 9.622 min
Delta R.T.: 0.000 min
Response: 6223936110
Conc: 469.47 ng/ml



#12 2,4,5-T

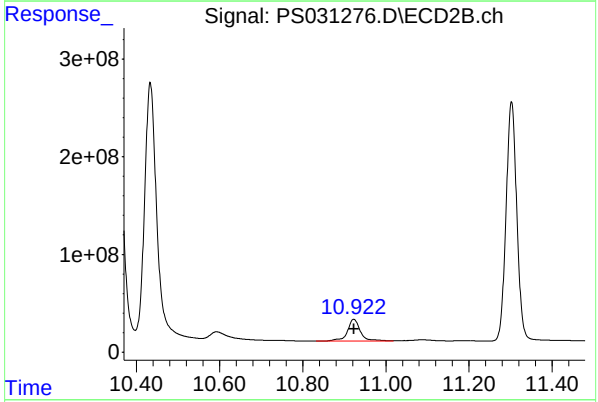
R.T.: 10.353 min
Delta R.T.: 0.000 min
Response: 5603420201
Conc: 479.02 ng/ml



#13 2,4-DB

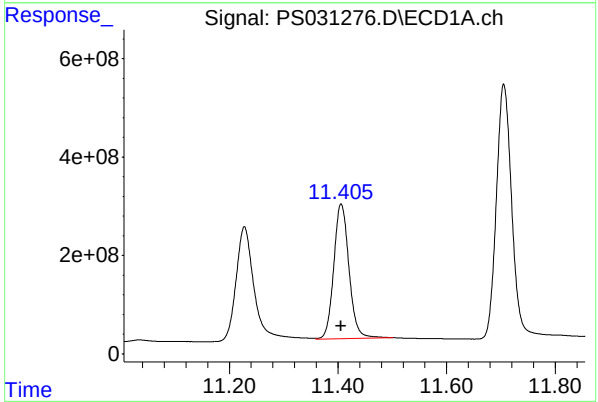
R.T.: 10.200 min
Delta R.T.: 0.000 min
Response: 801599997
Conc: 467.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



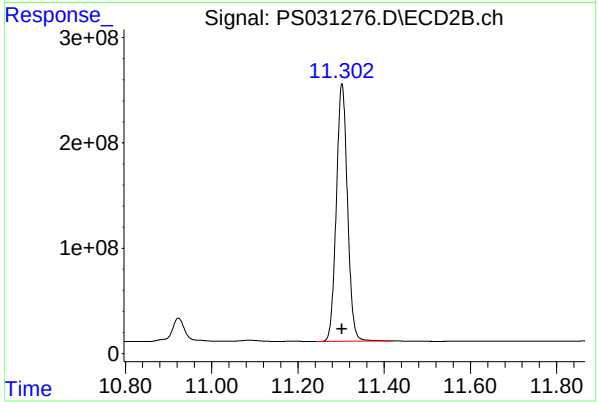
#13 2,4-DB

R.T.: 10.923 min
Delta R.T.: 0.000 min
Response: 473395264
Conc: 481.62 ng/ml



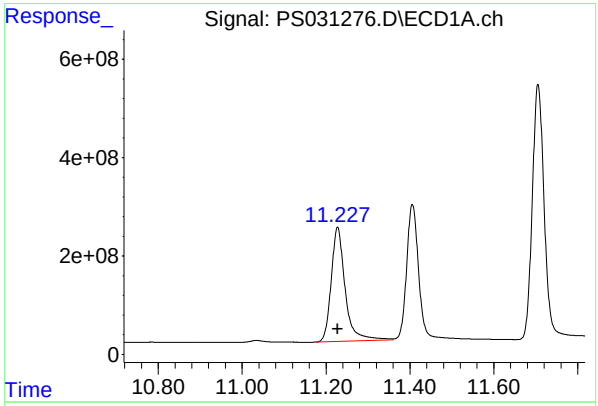
#14 DINOSEB

R.T.: 11.406 min
Delta R.T.: 0.000 min
Response: 5344374829
Conc: 468.59 ng/ml



#14 DINOSEB

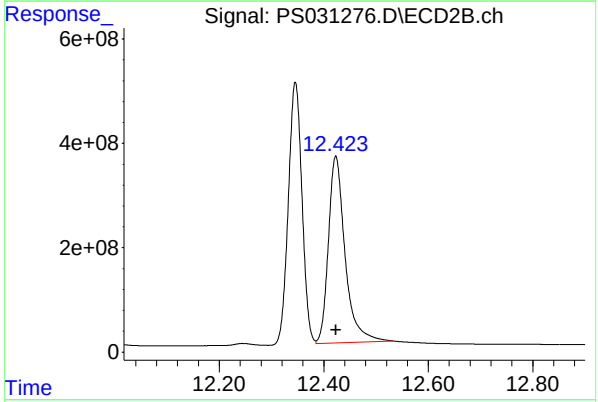
R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 4392684780
Conc: 473.57 ng/ml



#15 Picloram

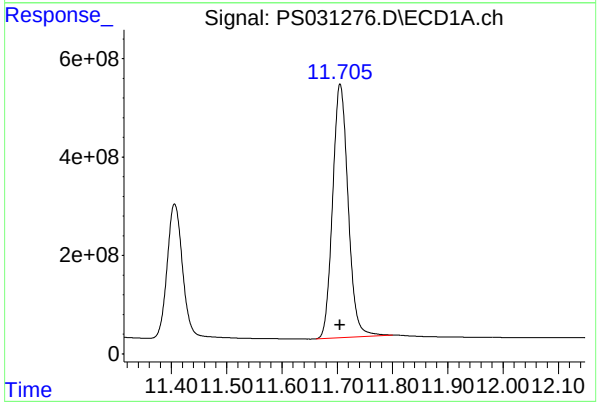
R.T.: 11.228 min
Delta R.T.: 0.000 min
Response: 5380047924
Conc: 463.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



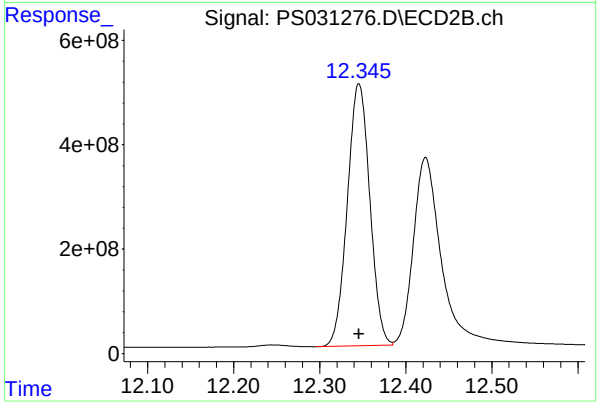
#15 Picloram

R.T.: 12.423 min
Delta R.T.: 0.000 min
Response: 7919923598
Conc: 465.63 ng/ml



#16 DCPA

R.T.: 11.705 min
Delta R.T.: 0.000 min
Response: 10037615738
Conc: 480.63 ng/ml



#16 DCPA

R.T.: 12.346 min
Delta R.T.: 0.000 min
Response: 9125430785
Conc: 486.01 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:18
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 29 17:35:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.315	7.766	2146.8E6	612.0E6	750.000	750.000
	Target Compounds						
1) T	Dalapon	2.691	2.703	3211.3E6	1649.8E6	682.500	682.500
2) T	3,5-DICHL...	6.478	6.712	2907.4E6	885.3E6	697.500	697.500
3) T	4-Nitroph...	7.115	7.304	683.9E6	873.4E6	682.500	682.500
5) T	DICAMBA	7.503	7.965	8985.9E6	3766.0E6	705.000	705.000
6) T	MCPP	7.683	8.063	582.3E6	122.9E6	70.500	70.500
7) T	MCPA	7.833	8.312	687.3E6	182.3E6	69.750	69.750
8) T	DICHLORPROP	8.213	8.685	2058.0E6	893.7E6	705.000	705.000
9) T	2,4-D	8.446	9.025	1800.0E6	965.7E6	705.000	705.000
10) T	Pentachlo...	8.744	9.538	34141.5E6	24117.3E6	712.500	712.500
11) T	2,4,5-TP ...	9.327	9.924	11881.7E6	8954.8E6	712.500	712.500
12) T	2,4,5-T	9.621	10.352	9555.7E6	8264.0E6	712.500	712.500
13) T	2,4-DB	10.199	10.922	1241.2E6	690.6E6	712.500	712.500
14) T	DINOSEB	11.407	11.302	8064.7E6	6489.8E6	705.000	705.000
15) T	Picloram	11.227	12.421	8454.6E6	12358.0E6	712.500	712.500
16) T	DCPA	11.705	12.345	15017.1E6	13349.6E6	720.000	720.000

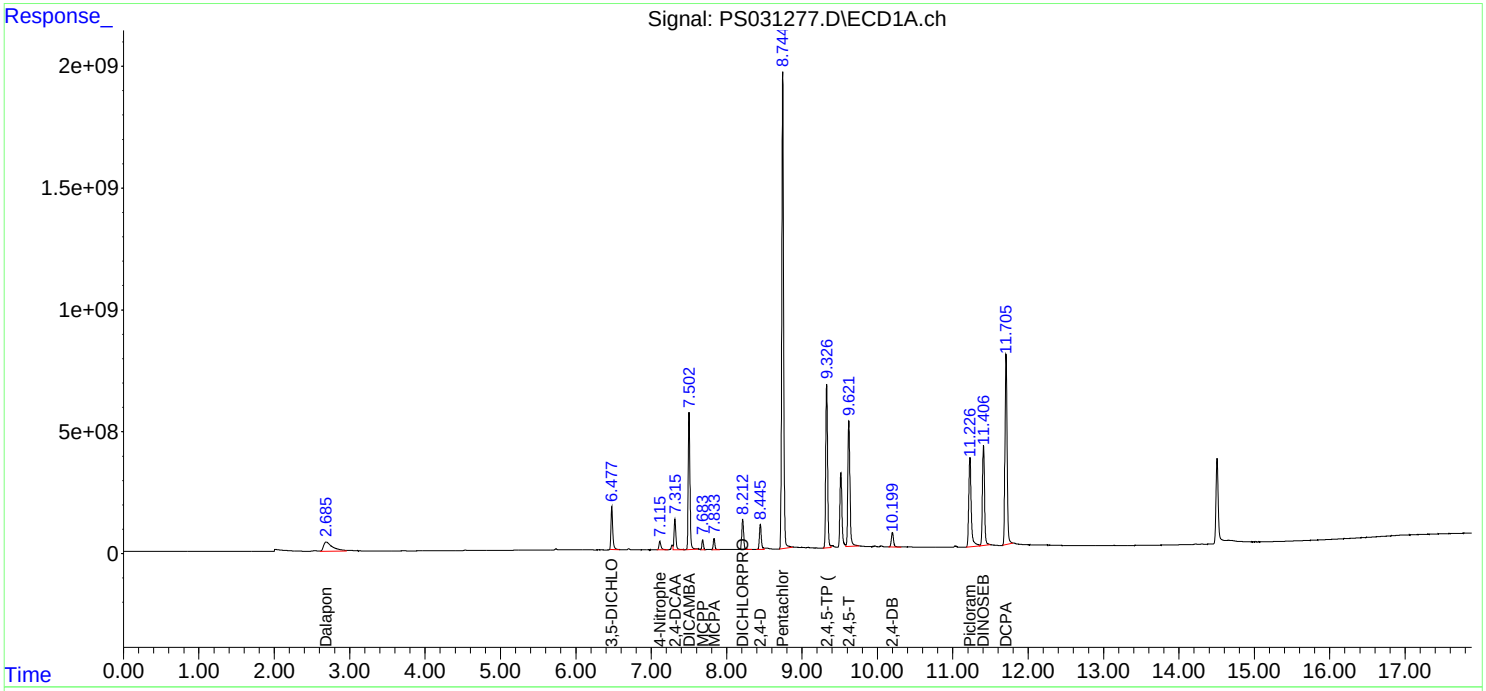
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

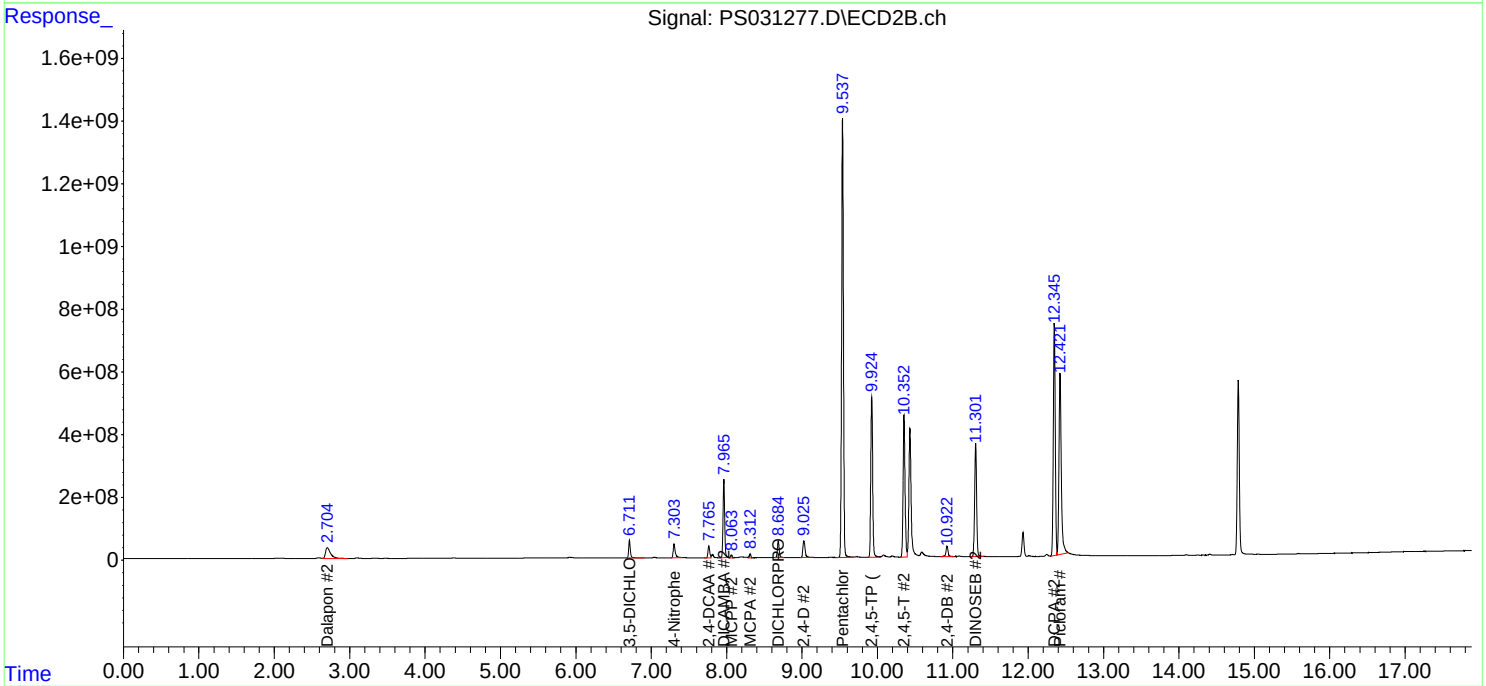
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:18
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

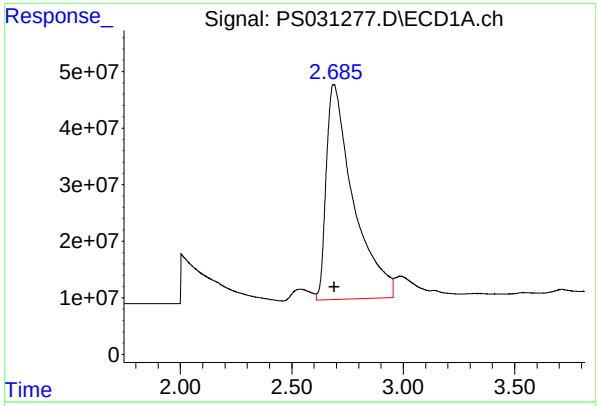
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 17:35:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



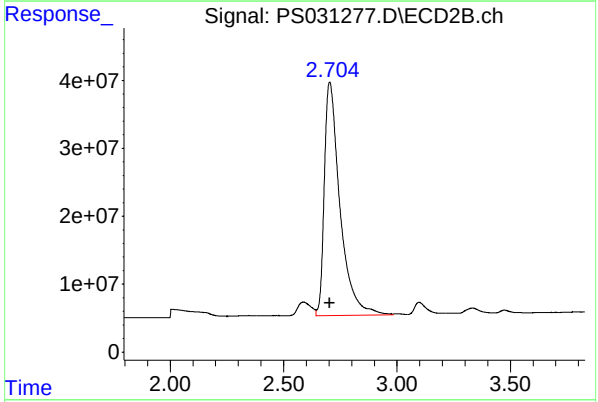




#1 Dalapon

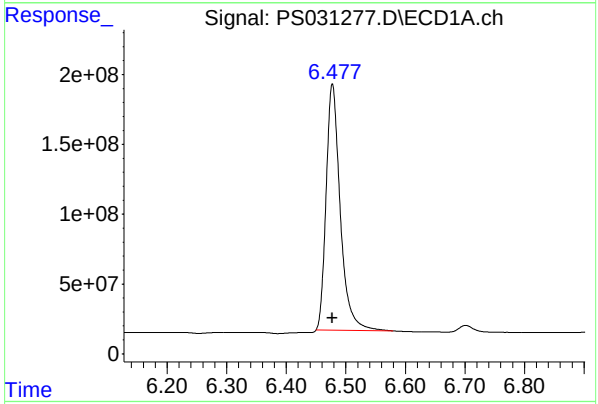
R.T.: 2.691 min
Delta R.T.: 0.000 min
Response: 3211305240
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



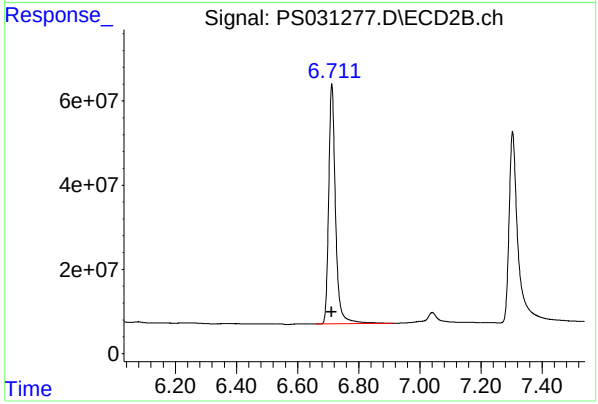
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1649800015
Conc: 682.50 ng/ml



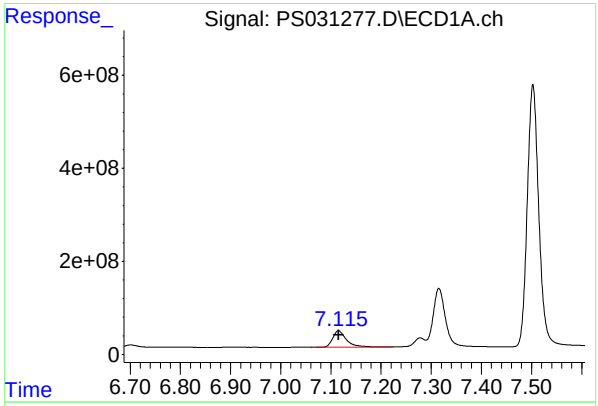
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 2907372904
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

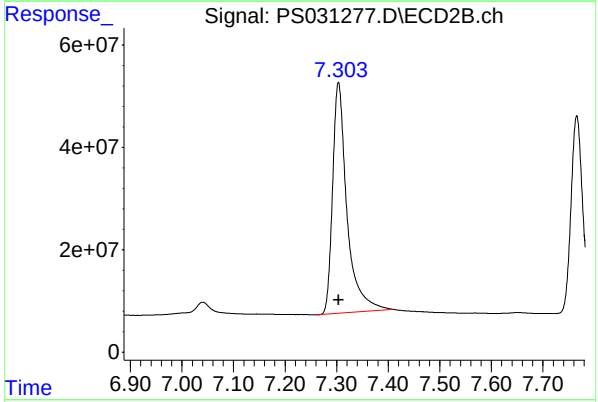
R.T.: 6.712 min
Delta R.T.: 0.000 min
Response: 885273438
Conc: 697.50 ng/ml



#3 4-Nitrophenol

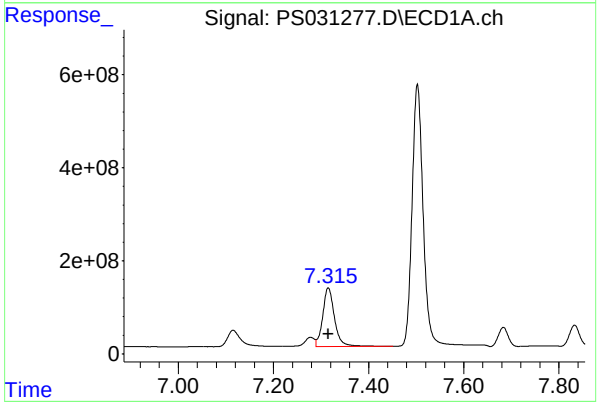
R.T.: 7.115 min
Delta R.T.: 0.000 min
Response: 683925744
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



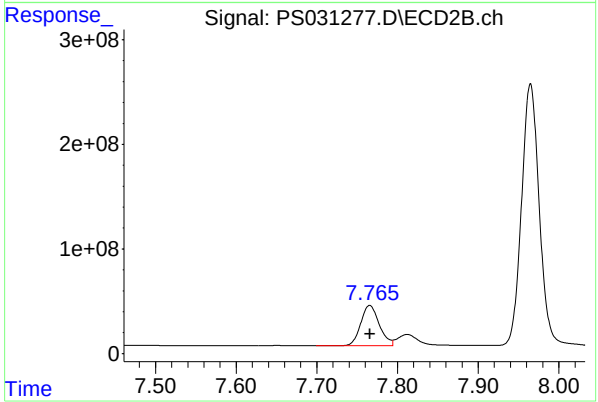
#3 4-Nitrophenol

R.T.: 7.304 min
Delta R.T.: 0.000 min
Response: 873418226
Conc: 682.50 ng/ml



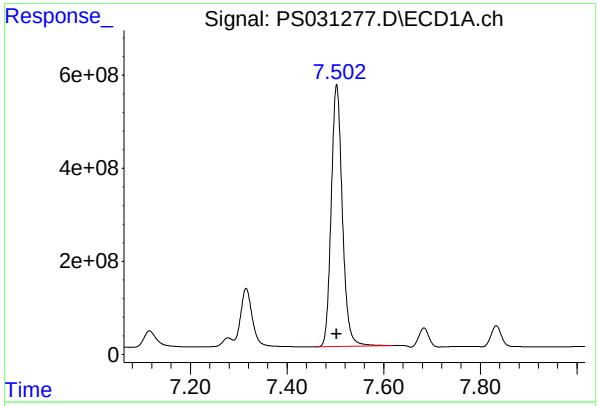
#4 2,4-DCAA

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 2146780378
Conc: 750.00 ng/ml



#4 2,4-DCAA

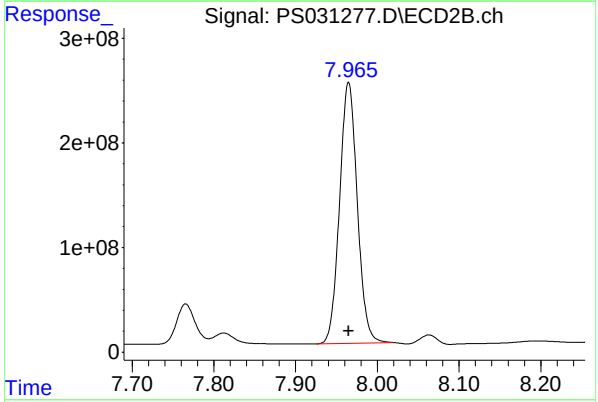
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 612024270
Conc: 750.00 ng/ml



#5 DICAMBA

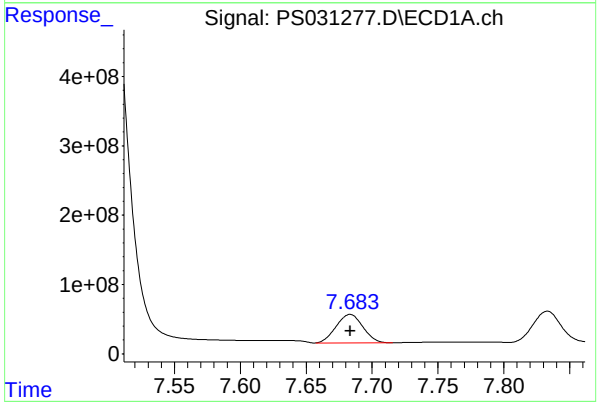
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 8985922875
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



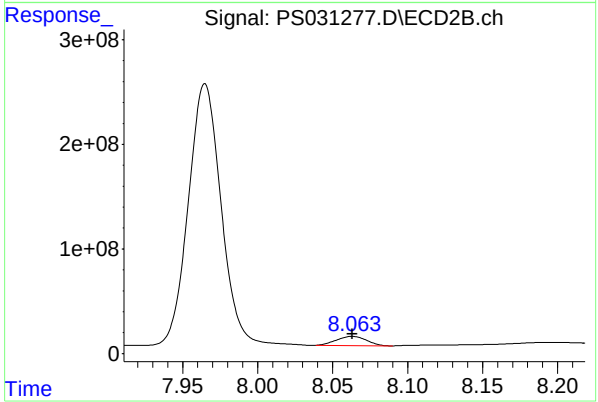
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: 0.000 min
Response: 3765960559
Conc: 705.00 ng/ml



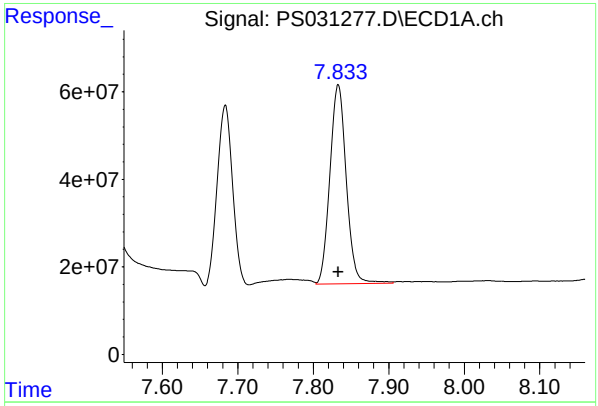
#6 MCPP

R.T.: 7.683 min
Delta R.T.: 0.000 min
Response: 582344049
Conc: 70.50 ug/ml



#6 MCPP

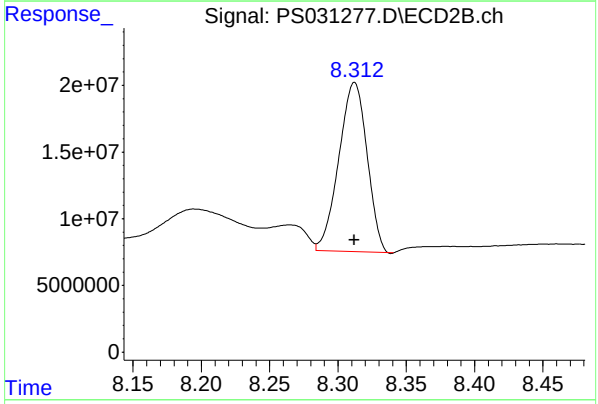
R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 122945736
Conc: 70.50 ug/ml



#7 MCPA

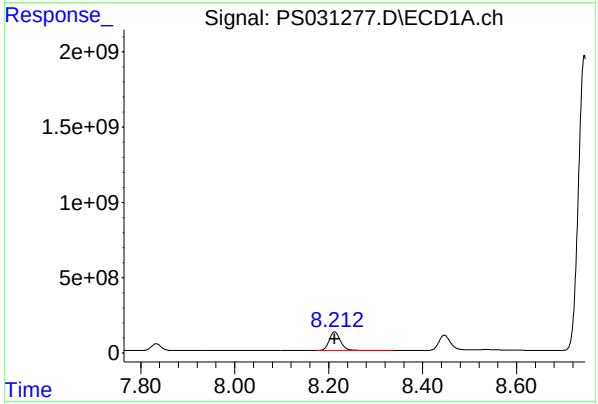
R.T.: 7.833 min
Delta R.T.: 0.000 min
Response: 687321438
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



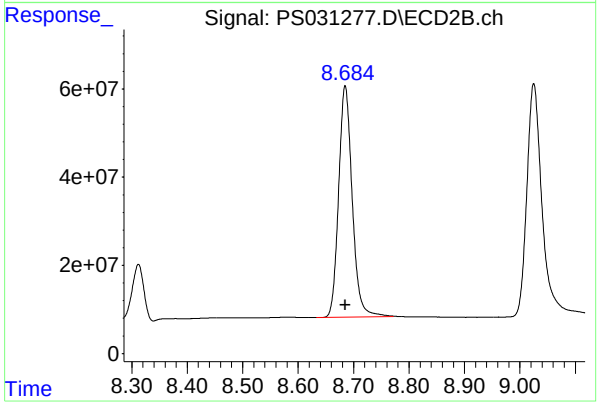
#7 MCPA

R.T.: 8.312 min
Delta R.T.: 0.000 min
Response: 182274943
Conc: 69.75 ug/ml



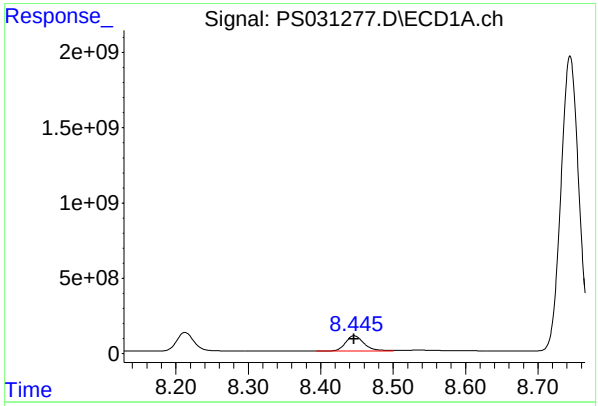
#8 DICHLORPROP

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 2057962909
Conc: 705.00 ng/ml



#8 DICHLORPROP

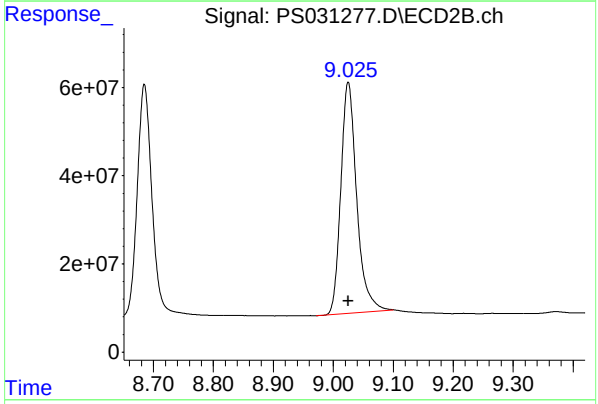
R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 893706958
Conc: 705.00 ng/ml



#9 2,4-D

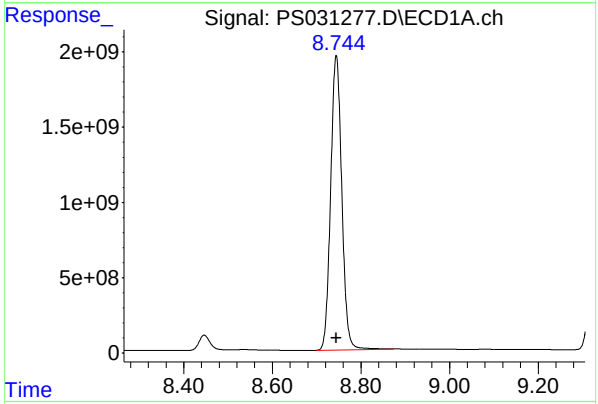
R.T.: 8.446 min
Delta R.T.: 0.000 min
Response: 1799975269
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



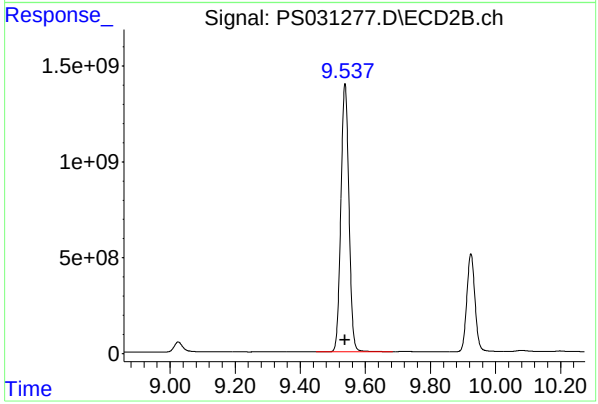
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 965738745
Conc: 705.00 ng/ml



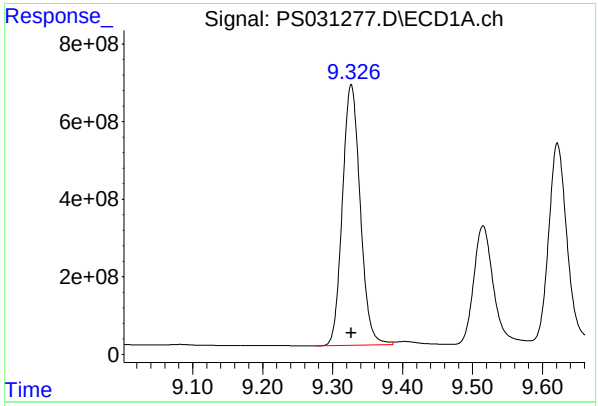
#10 Pentachlorophenol

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 34141503984
Conc: 712.50 ng/ml



#10 Pentachlorophenol

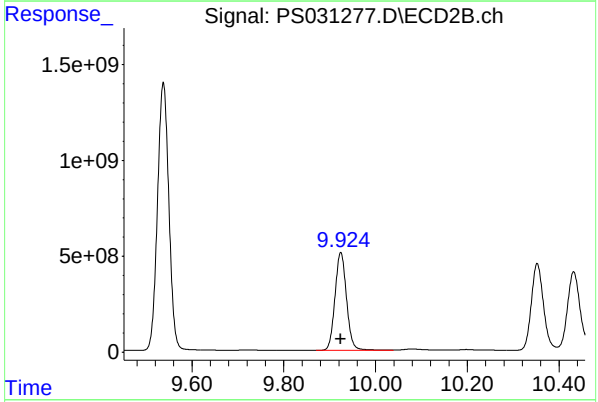
R.T.: 9.538 min
Delta R.T.: 0.000 min
Response: 24117277607
Conc: 712.50 ng/ml



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

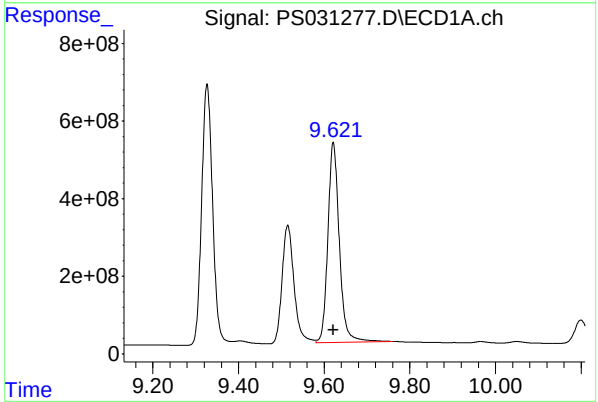
R.T.: 9.327 min
Delta R.T.: 0.000 min
Response: 11881690951
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



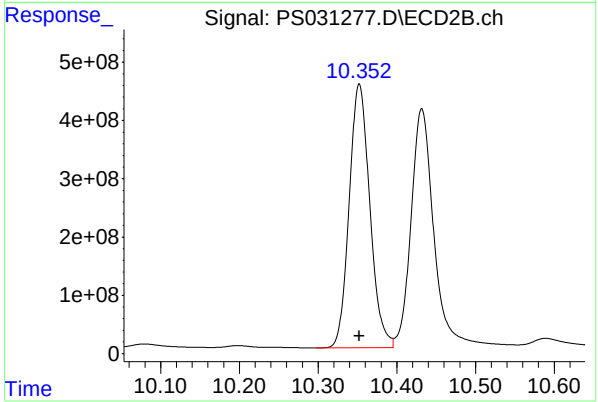
#11 2,4,5-TP (SILVEX)

R.T.: 9.924 min
Delta R.T.: 0.000 min
Response: 8954752050
Conc: 712.50 ng/ml



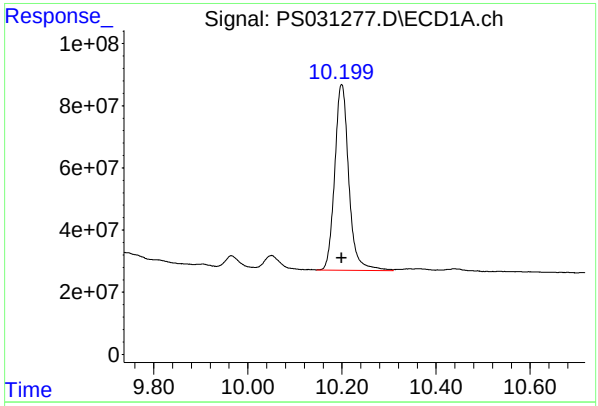
#12 2,4,5-T

R.T.: 9.621 min
Delta R.T.: 0.000 min
Response: 9555737155
Conc: 712.50 ng/ml



#12 2,4,5-T

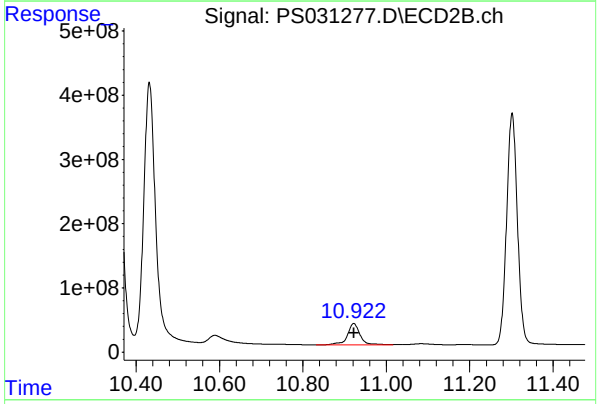
R.T.: 10.352 min
Delta R.T.: 0.000 min
Response: 8263983684
Conc: 712.50 ng/ml



#13 2,4-DB

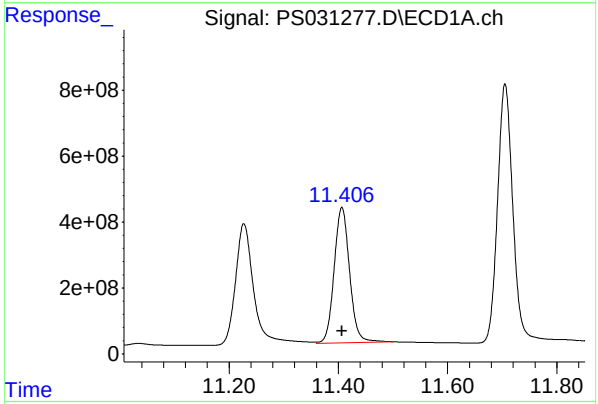
R.T.: 10.199 min
Delta R.T.: 0.000 min
Response: 1241226059
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



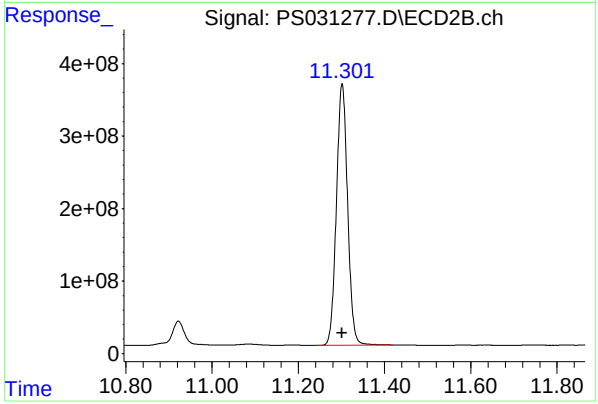
#13 2,4-DB

R.T.: 10.922 min
Delta R.T.: 0.000 min
Response: 690560381
Conc: 712.50 ng/ml



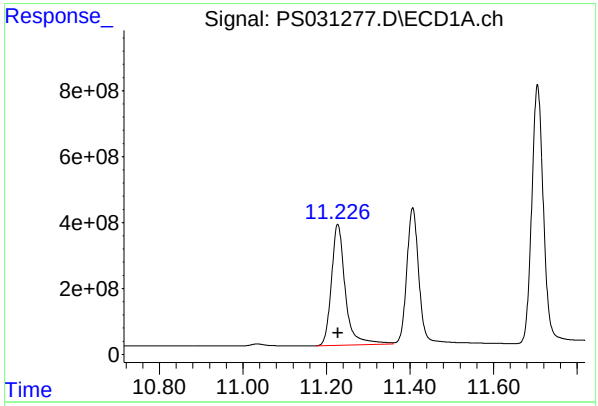
#14 DINOSEB

R.T.: 11.407 min
Delta R.T.: 0.000 min
Response: 8064668313
Conc: 705.00 ng/ml



#14 DINOSEB

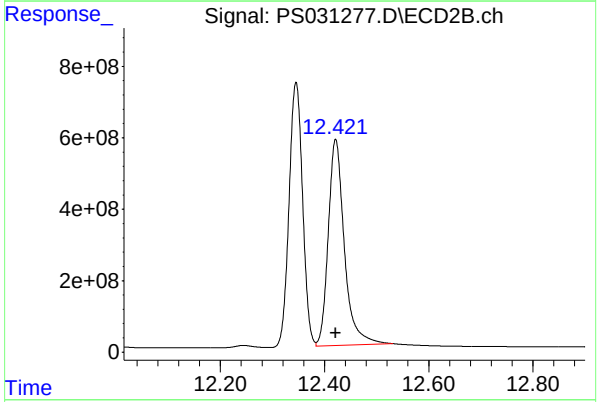
R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 6489810541
Conc: 705.00 ng/ml



#15 Picloram

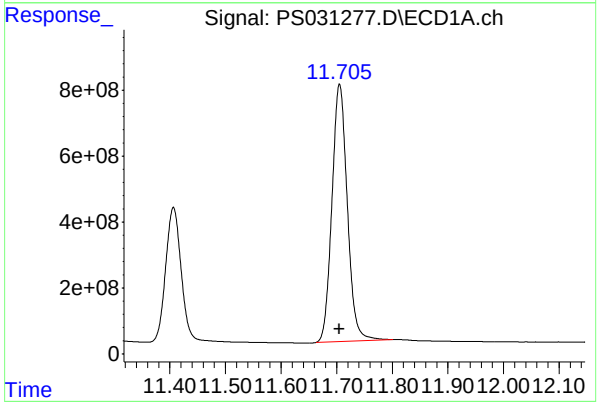
R.T.: 11.227 min
Delta R.T.: 0.000 min
Response: 8454609932
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



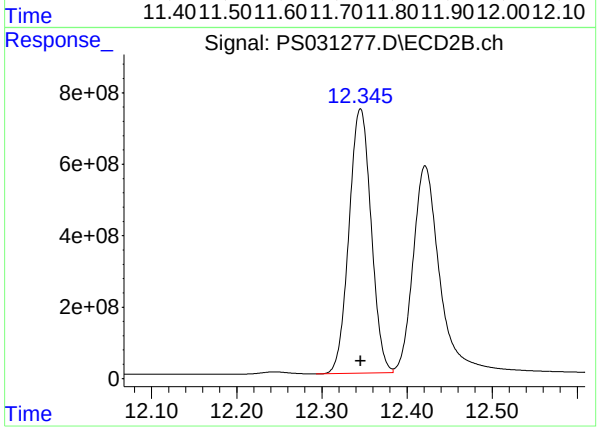
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 12357993561
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.705 min
Delta R.T.: 0.000 min
Response: 15017113221
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.345 min
Delta R.T.: 0.000 min
Response: 13349608865
Conc: 720.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:42
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:33:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:33:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.315	7.764	2871.4E6	820.7E6	976.793	975.983
	Target Compounds						
1) T	Dalapon	2.689	2.703	4309.1E6	2208.8E6	888.905	893.428
2) T	3,5-DICHL...	6.477	6.711	3892.4E6	1185.2E6	910.365	910.687
3) T	4-Nitroph...	7.114	7.301	945.7E6	1196.9E6	934.559	934.927
5) T	DICAMBA	7.502	7.964	12163.5E6	5140.8E6	938.734	951.834
6) T	MCPP	7.684	8.063	823.6E6	177.0E6	106.274	106.245m
7) T	MCPA	7.835	8.313	965.9E6	254.5E6	101.577	99.709
8) T	DICHLORPROP	8.212	8.684	2772.3E6	1187.2E6	900.895	903.247
9) T	2,4-D	8.445	9.023	2472.2E6	1298.1E6	956.774	925.645
10) T	Pentachlo...	8.746	9.537	43280.1E6	32447.1E6	904.476	950.066
11) T	2,4,5-TP ...	9.326	9.923	16047.7E6	11999.5E6	961.178	937.566
12) T	2,4,5-T	9.621	10.351	13235.5E6	11142.3E6	1006.546	952.412
13) T	2,4-DB	10.199	10.921	1764.9E6	929.1E6	1036.187	964.182
14) T	DINOSEB	11.406	11.301	10986.1E6	8765.9E6	958.868	935.207
15) T	Picloram	11.225	12.420	11830.2E6	17241.2E6	1033.456	1033.863
16) T	DCPA	11.705	12.344	20376.3E6	17998.5E6	982.676	960.682

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:42
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

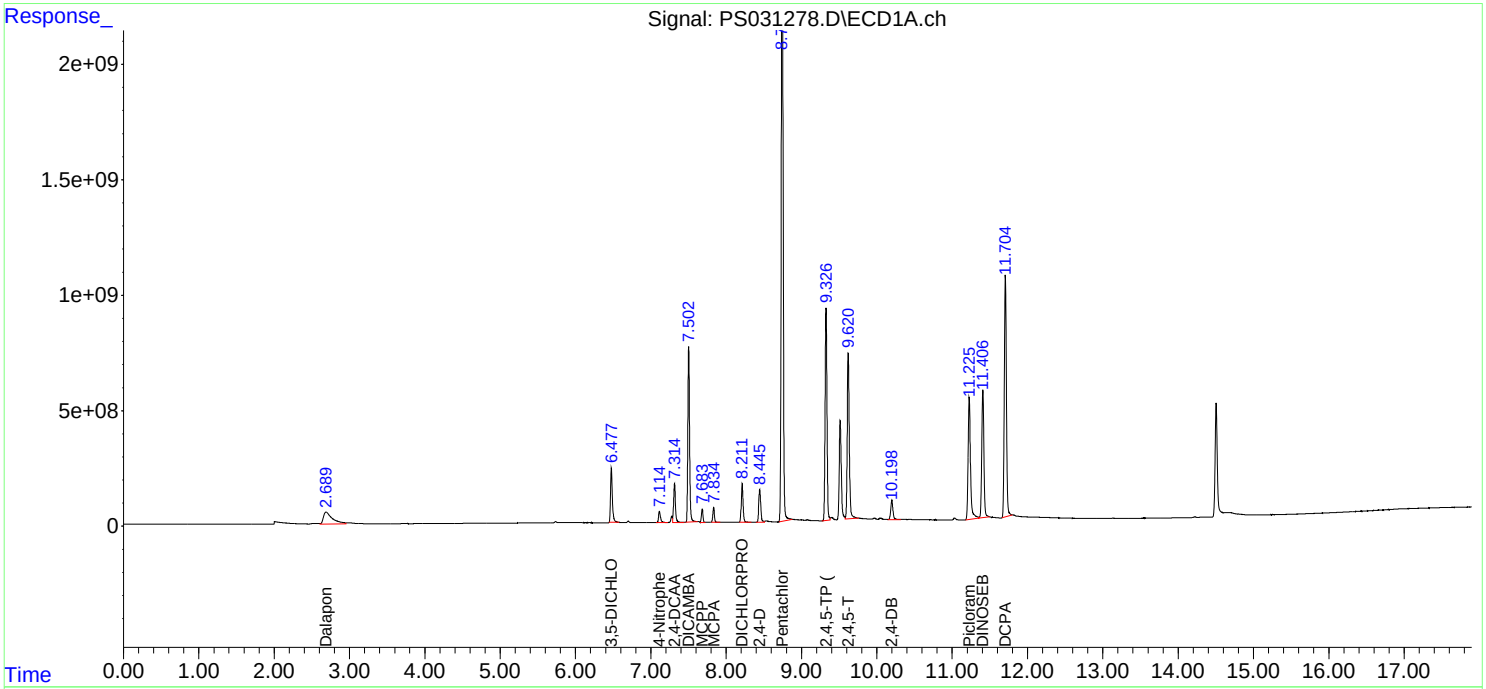
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

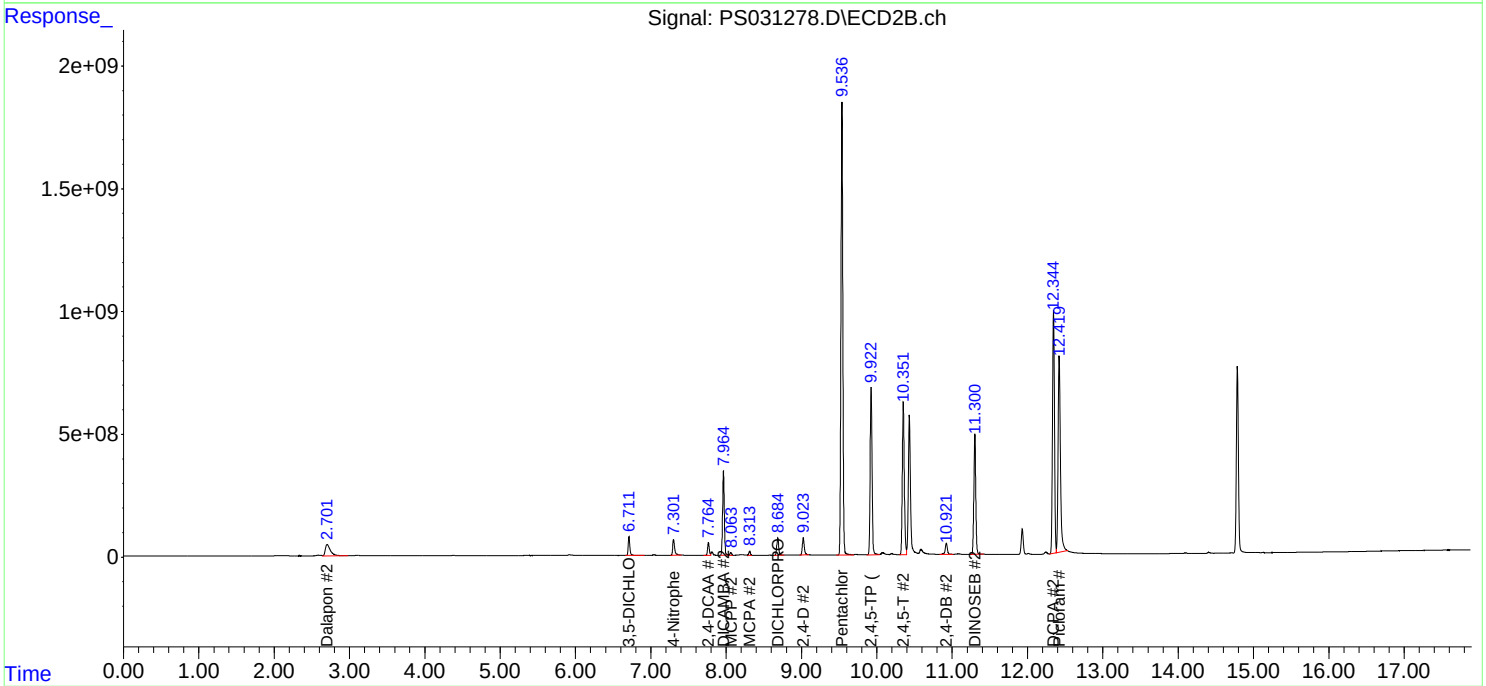
Manual Integrations APPROVED

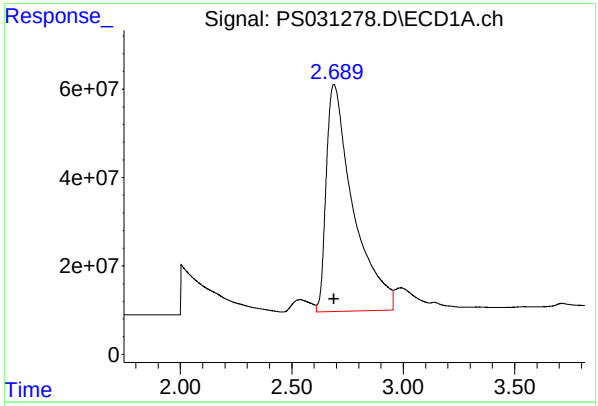
Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:33:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:33:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







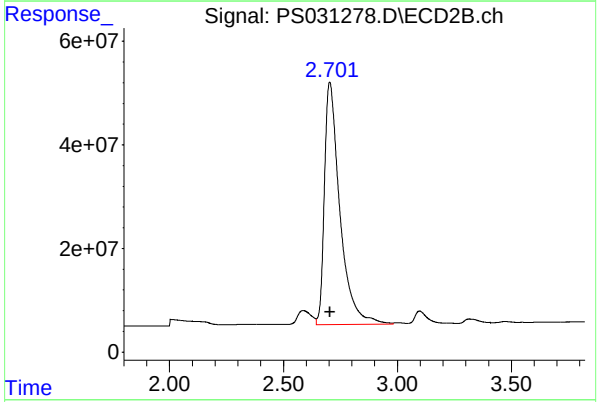
#1 Dalapon

R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 4309085015
Conc: 888.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

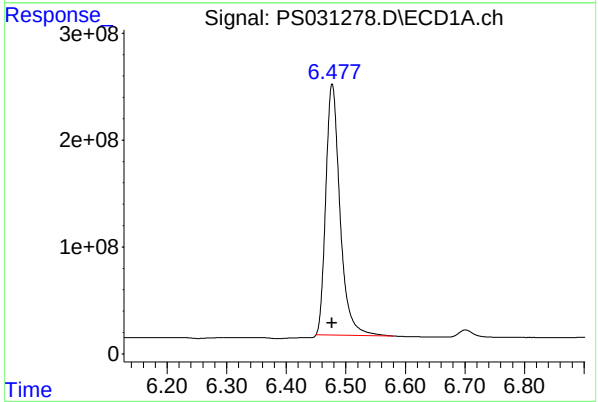
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



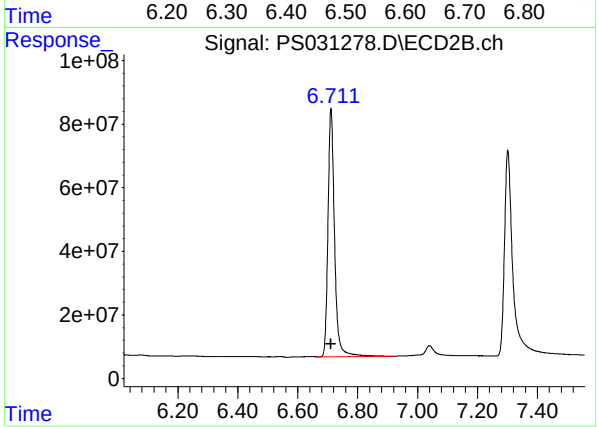
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 2208842238
Conc: 893.43 ng/ml



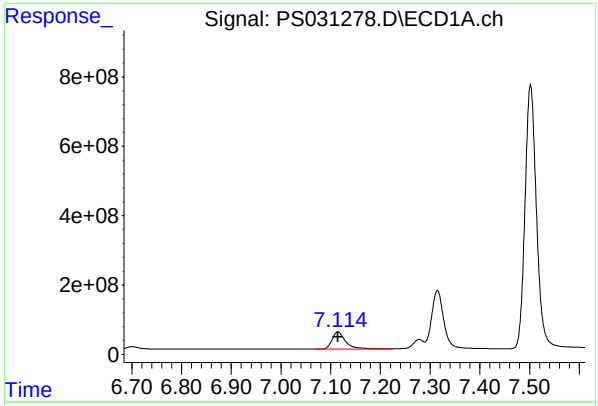
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 3892449718
Conc: 910.37 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 1185167593
Conc: 910.69 ng/ml



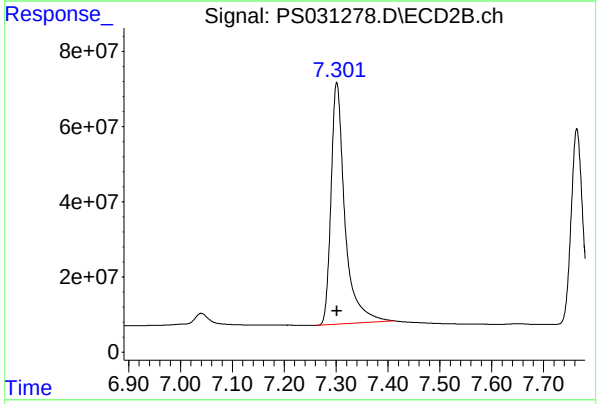
#3 4-Nitrophenol

R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 945718140
Conc: 934.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

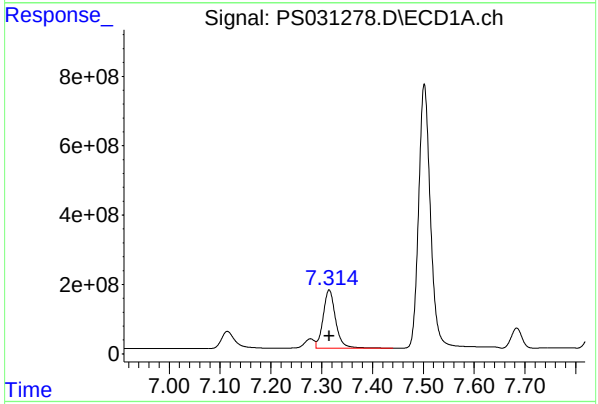
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



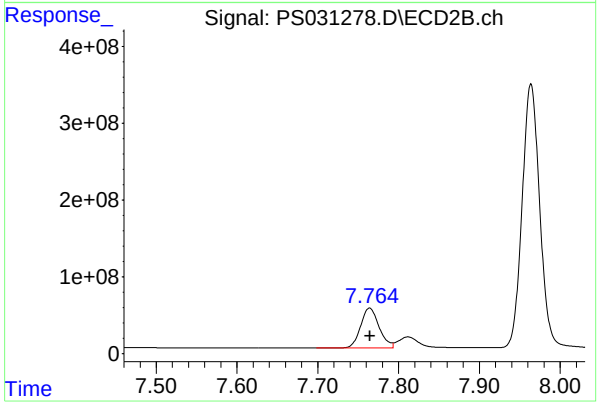
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1196860488
Conc: 934.93 ng/ml



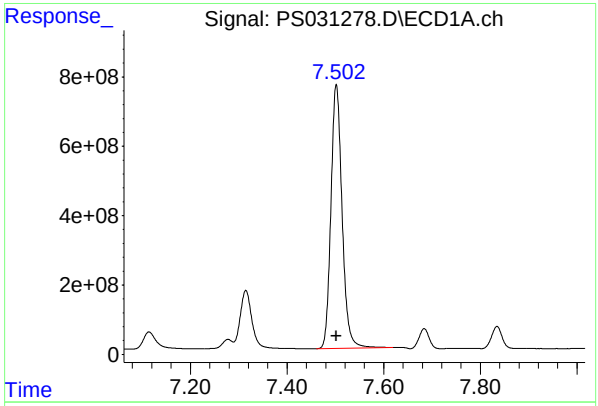
#4 2,4-DCAA

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 2871353950
Conc: 976.79 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: 0.000 min
Response: 820678916
Conc: 975.98 ng/ml



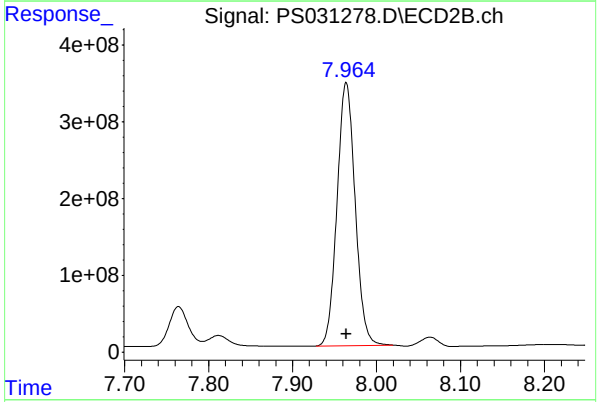
#5 DICAMBA

R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 12163502764
Conc: 938.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

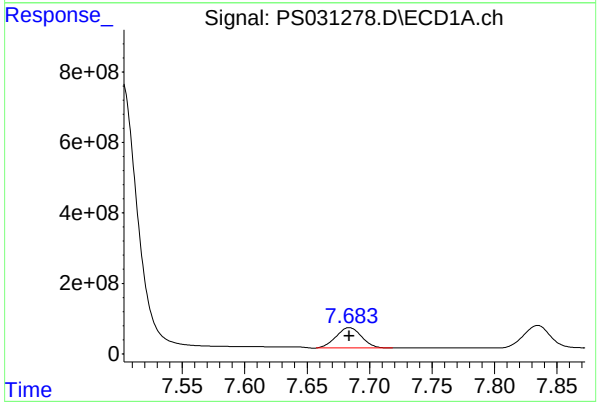
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



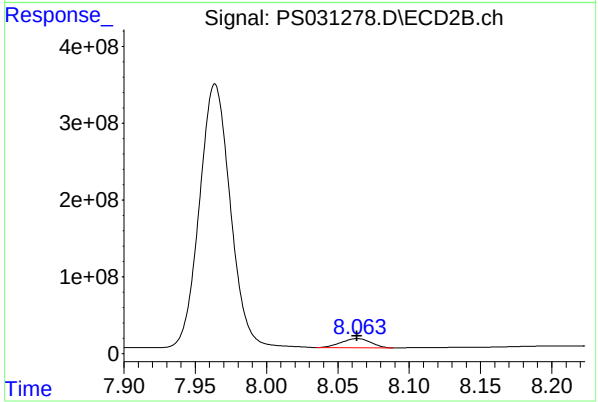
#5 DICAMBA

R.T.: 7.964 min
Delta R.T.: 0.000 min
Response: 5140847446
Conc: 951.83 ng/ml



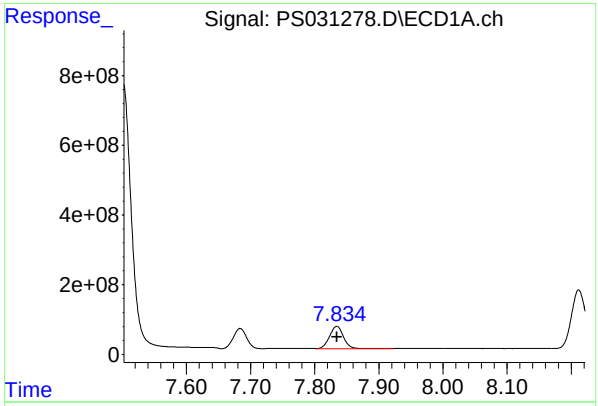
#6 MCPP

R.T.: 7.684 min
Delta R.T.: 0.000 min
Response: 823569130
Conc: 106.27 ug/ml



#6 MCPP

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 177014824
Conc: 106.24 ug/ml m



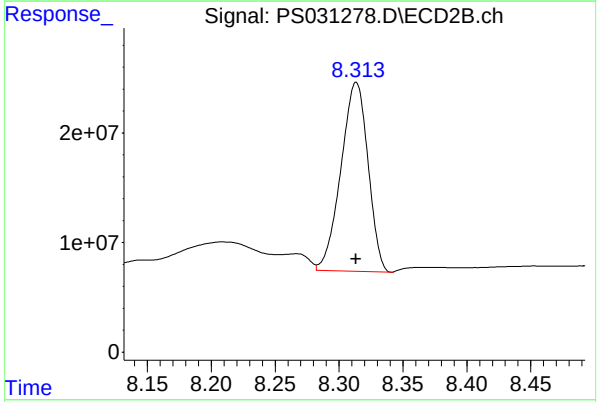
#7 MCPA

R.T.: 7.835 min
Delta R.T.: 0.000 min
Response: 965932209
Conc: 101.58 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

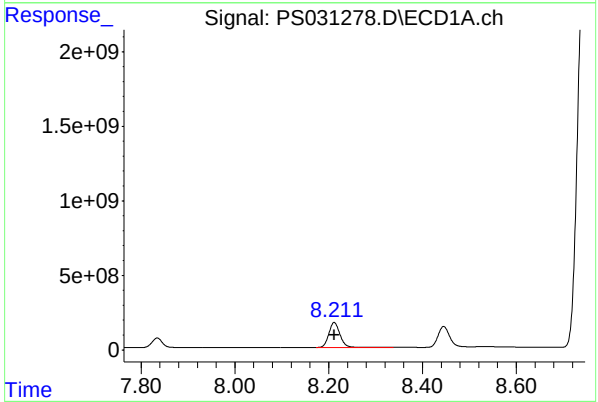
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



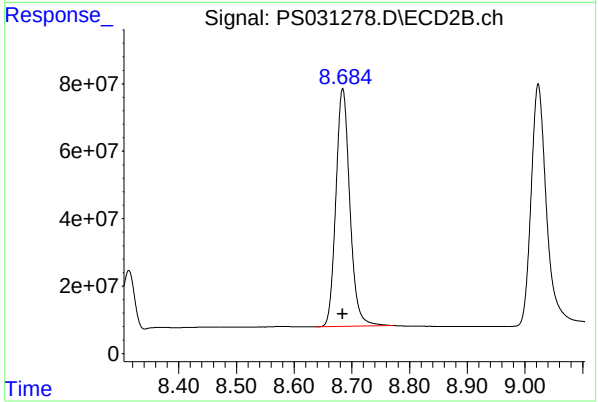
#7 MCPA

R.T.: 8.313 min
Delta R.T.: 0.000 min
Response: 254466868
Conc: 99.71 ug/ml



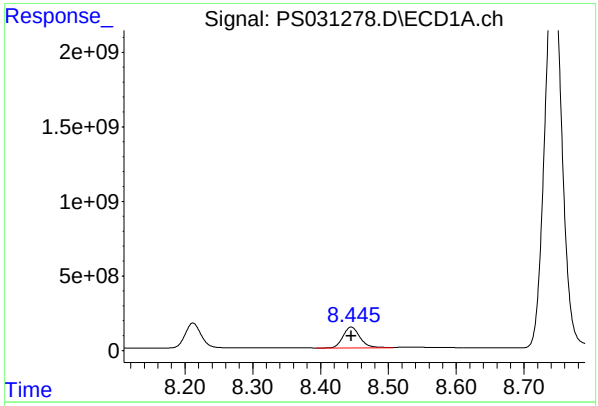
#8 DICHLORPROP

R.T.: 8.212 min
Delta R.T.: 0.000 min
Response: 2772273214
Conc: 900.89 ng/ml



#8 DICHLORPROP

R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 1187230817
Conc: 903.25 ng/ml



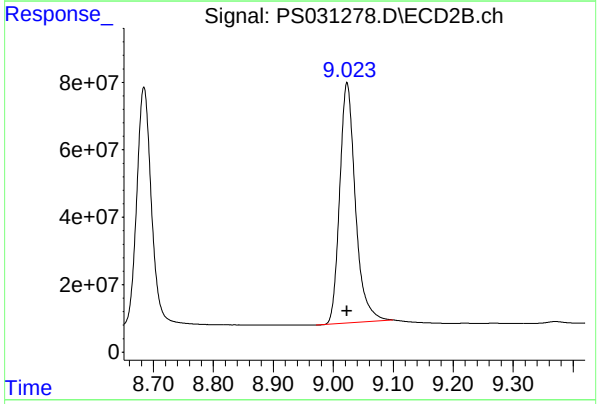
#9 2,4-D

R.T.: 8.445 min
Delta R.T.: 0.000 min
Response: 2472198386
Conc: 956.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

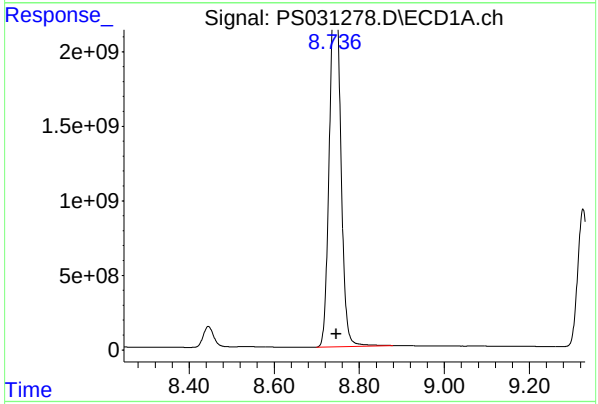
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



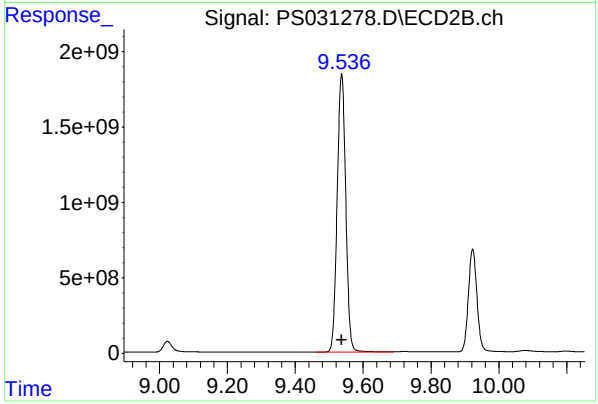
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: 0.000 min
Response: 1298123588
Conc: 925.64 ng/ml



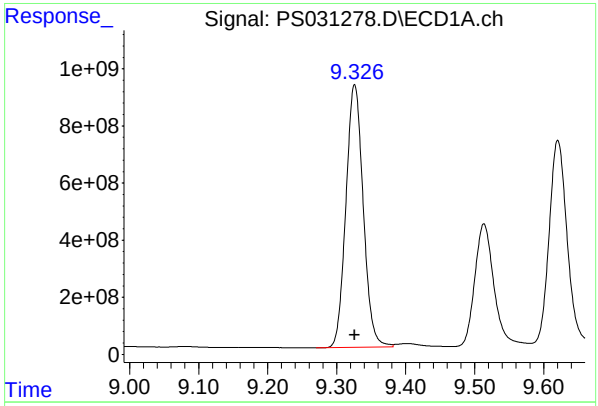
#10 Pentachlorophenol

R.T.: 8.746 min
Delta R.T.: 0.000 min
Response: 43280075699
Conc: 904.48 ng/ml



#10 Pentachlorophenol

R.T.: 9.537 min
Delta R.T.: 0.000 min
Response: 32447110854
Conc: 950.07 ng/ml



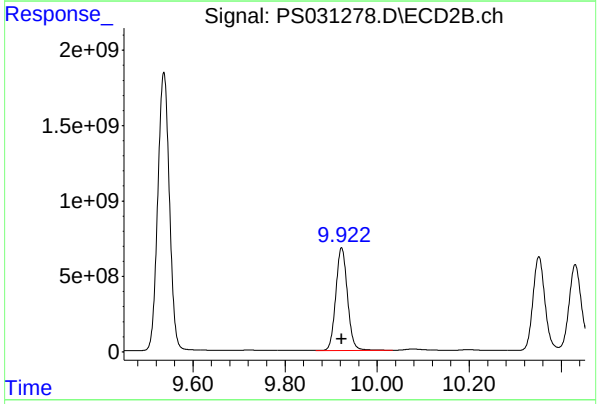
#11 2,4,5-TP (SILVEX)

R.T.: 9.326 min
Delta R.T.: 0.000 min
Response: 16047709702
Conc: 961.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

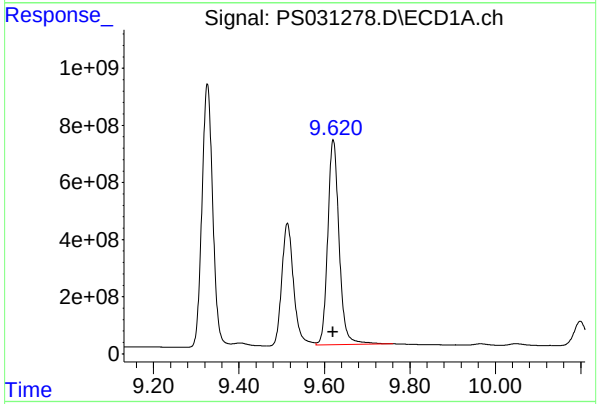
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



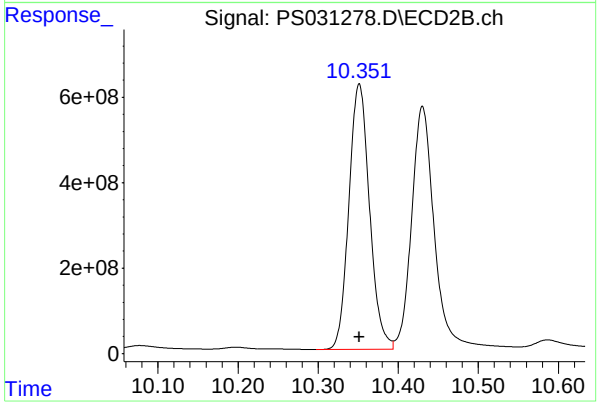
#11 2,4,5-TP (SILVEX)

R.T.: 9.923 min
Delta R.T.: 0.000 min
Response: 11999548995
Conc: 937.57 ng/ml



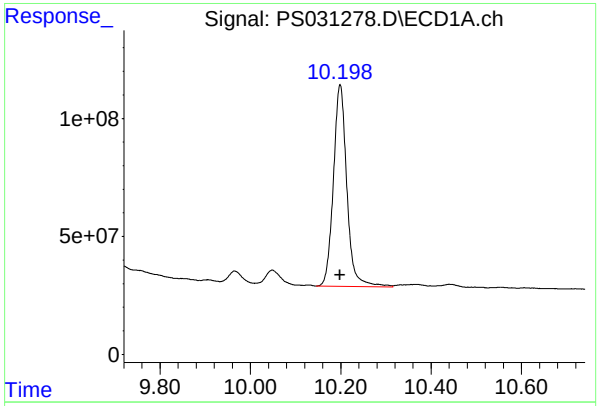
#12 2,4,5-T

R.T.: 9.621 min
Delta R.T.: 0.000 min
Response: 13235545336
Conc: 1006.55 ng/ml



#12 2,4,5-T

R.T.: 10.351 min
Delta R.T.: 0.000 min
Response: 11142285449
Conc: 952.41 ng/ml



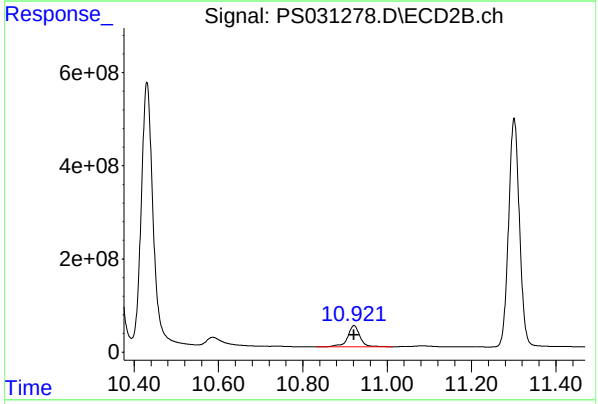
#13 2,4-DB

R.T.: 10.199 min
Delta R.T.: 0.000 min
Response: 1764874632
Conc: 1036.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

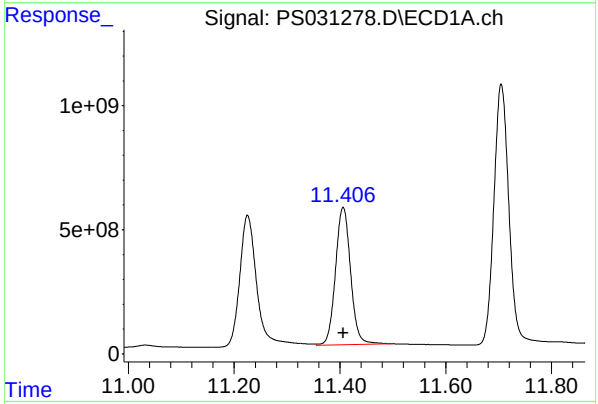
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



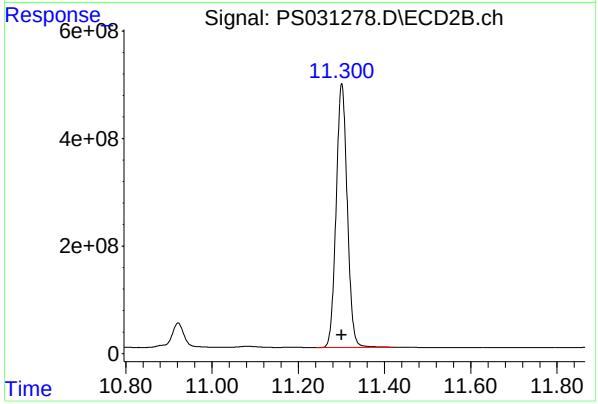
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: 0.000 min
Response: 929079368
Conc: 964.18 ng/ml



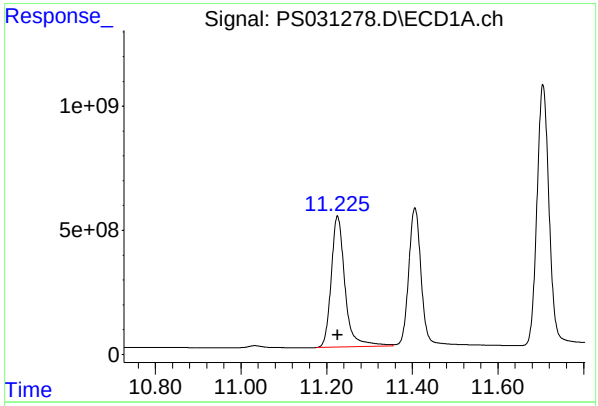
#14 DINOSEB

R.T.: 11.406 min
Delta R.T.: 0.000 min
Response: 10986145370
Conc: 958.87 ng/ml



#14 DINOSEB

R.T.: 11.301 min
Delta R.T.: 0.000 min
Response: 8765883583
Conc: 935.21 ng/ml



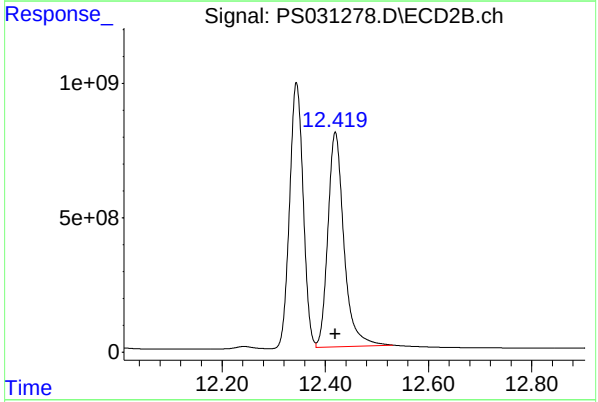
#15 Picloram

R.T.: 11.225 min
Delta R.T.: 0.000 min
Response: 11830164566
Conc: 1033.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

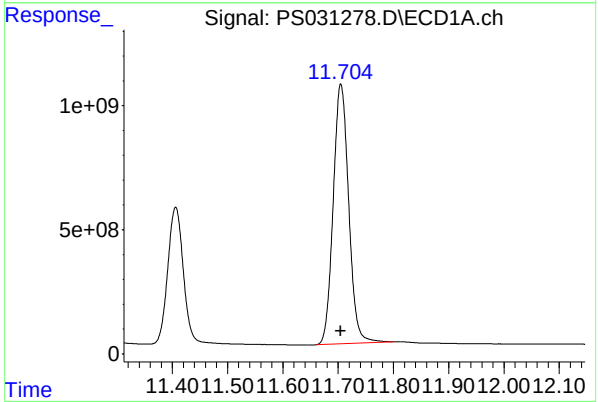
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



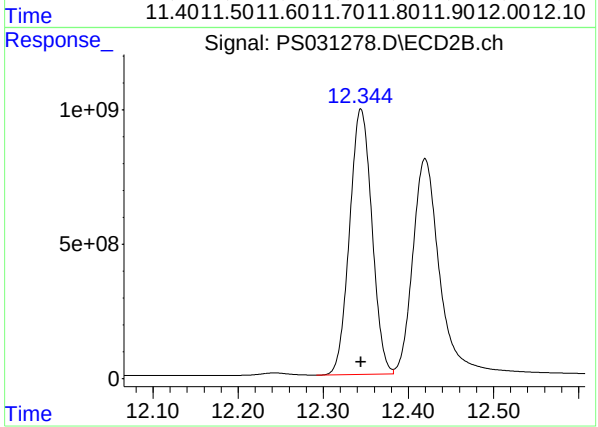
#15 Picloram

R.T.: 12.420 min
Delta R.T.: 0.000 min
Response: 17241160926
Conc: 1033.86 ng/ml



#16 DCPA

R.T.: 11.705 min
Delta R.T.: 0.000 min
Response: 20376254849
Conc: 982.68 ng/ml



#16 DCPA

R.T.: 12.344 min
Delta R.T.: 0.000 min
Response: 17998523325
Conc: 960.68 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:07
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:36:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:36:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.315	7.764	4213.1E6	1217.9E6	1446.107	1458.374
		Target Compounds						
1)	T	Dalapon	2.687	2.703	6459.5E6	3264.6E6	1338.889	1329.127
2)	T	3,5-DICHL...	6.477	6.711	5875.6E6	1751.8E6	1377.922m	1355.583
3)	T	4-Nitroph...	7.114	7.300	1424.0E6	1820.8E6	1398.569	1410.456
5)	T	DICAMBA	7.503	7.965	18010.7E6	7755.4E6	1393.955	1430.657
6)	T	MCPP	7.687	8.067	1299.4E6	265.5E6	161.563	154.852m
7)	T	MCPA	7.837	8.318	1512.5E6	385.2E6	154.717	148.503
8)	T	DICHLORPROP	8.213	8.685	4076.4E6	1752.2E6	1340.926	1347.768
9)	T	2,4-D	8.445	9.023	3709.9E6	1929.0E6	1430.550	1382.238
10)	T	Pentachlo...	8.754	9.537	51285.3E6	43992.6E6	1127.676	1313.353
11)	T	2,4,5-TP ...	9.326	9.924	23545.0E6	17555.3E6	1413.157	1382.005
12)	T	2,4,5-T	9.621	10.352	19815.8E6	16426.4E6	1489.826	1408.216
13)	T	2,4-DB	10.198	10.921	2740.7E6	1389.2E6	1568.589	1438.353
14)	T	DINOSEB	11.406	11.302	16198.2E6	12981.7E6	1413.015	1389.912
15)	T	Picloram	11.225	12.419	18182.2E6	26745.6E6	1552.752	1564.536
16)	T	DCPA	11.706	12.345	29863.9E6	26378.3E6	1440.185	1414.251

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:07
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

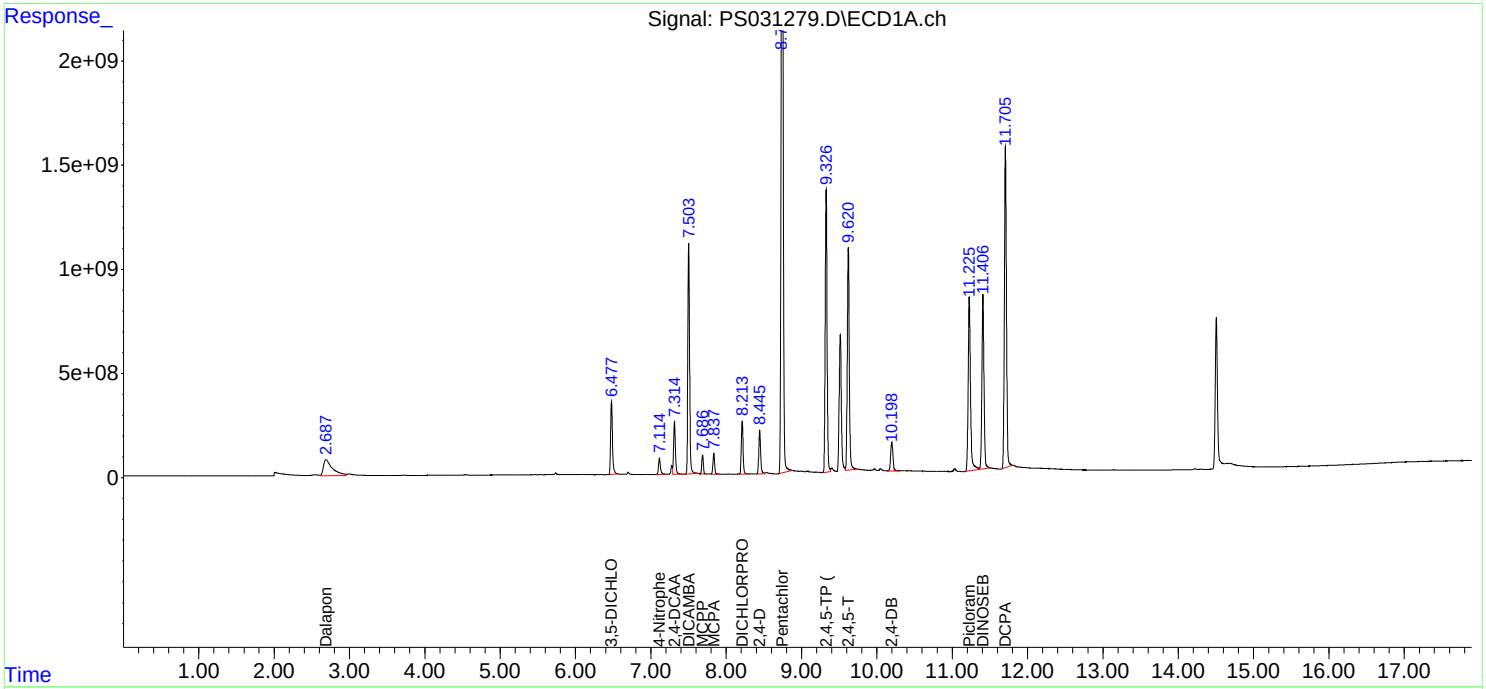
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

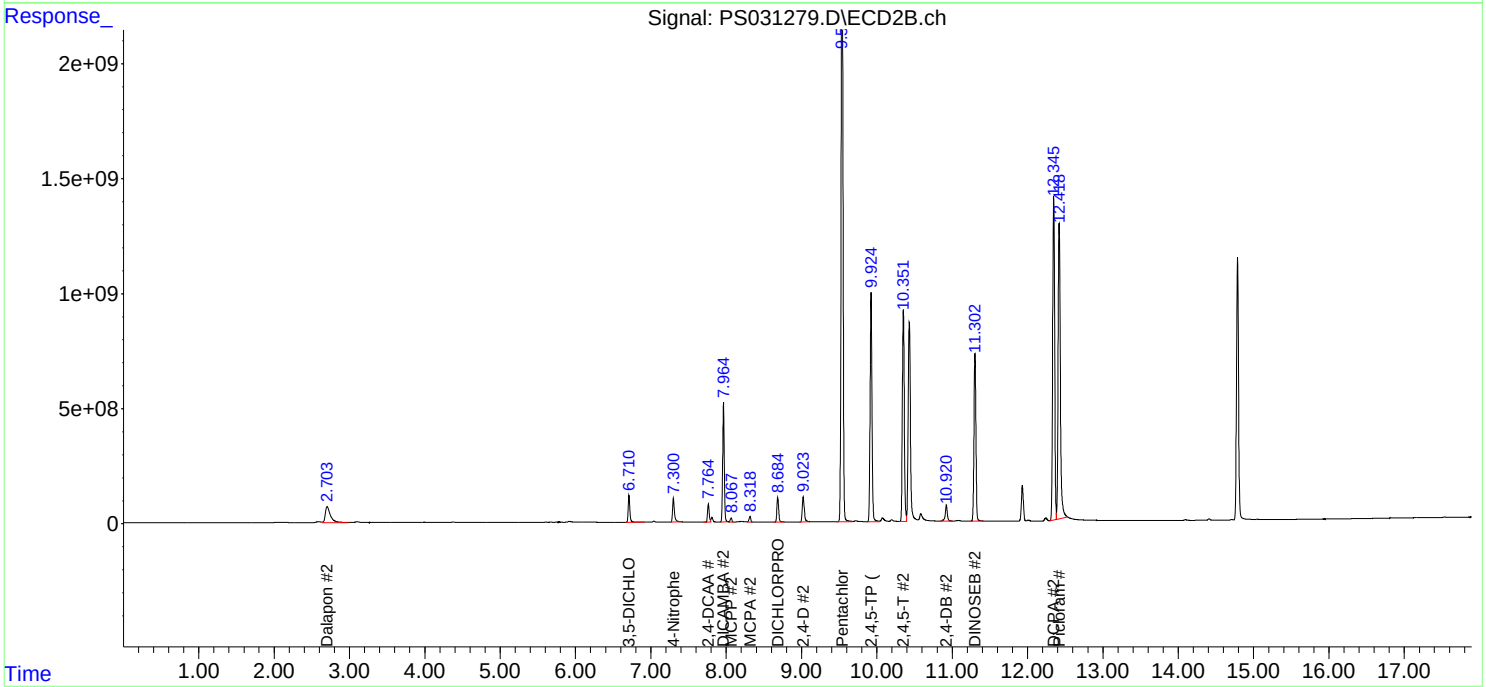
Manual Integrations APPROVED

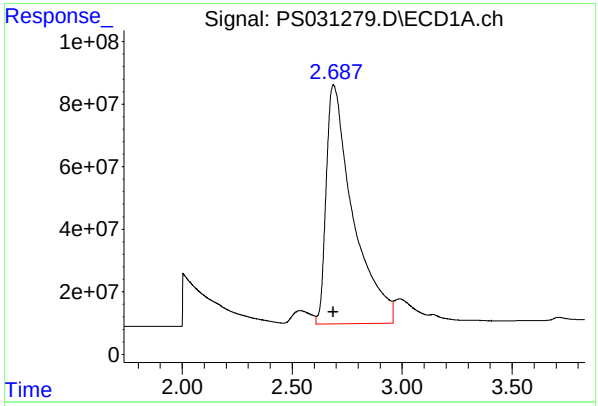
Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:36:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:36:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







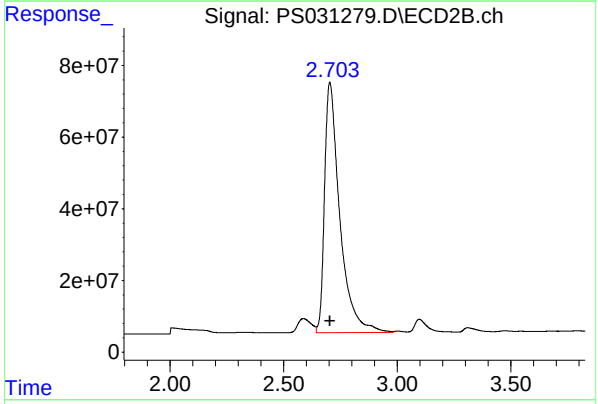
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: 0.000 mi
Response: 6459549331
Conc: 1338.89 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

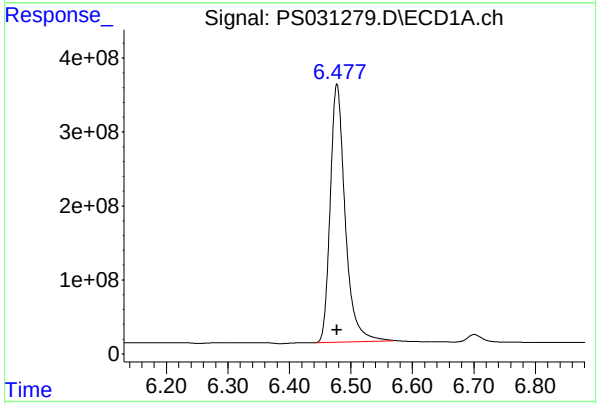
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



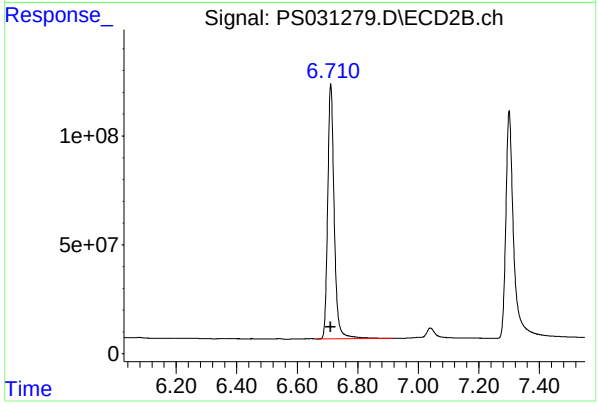
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 3264581324
Conc: 1329.13 ng/ml



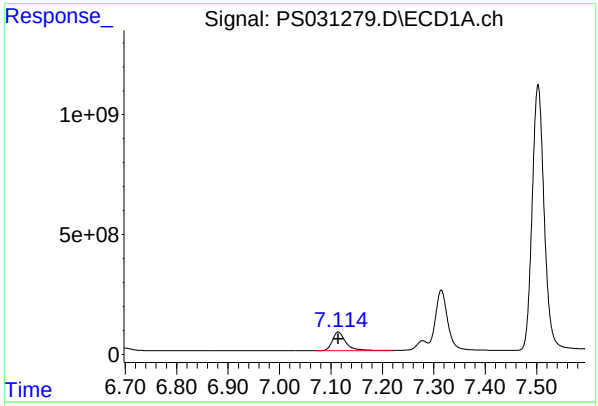
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 5875552524
Conc: 1377.92 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 1751780840
Conc: 1355.58 ng/ml



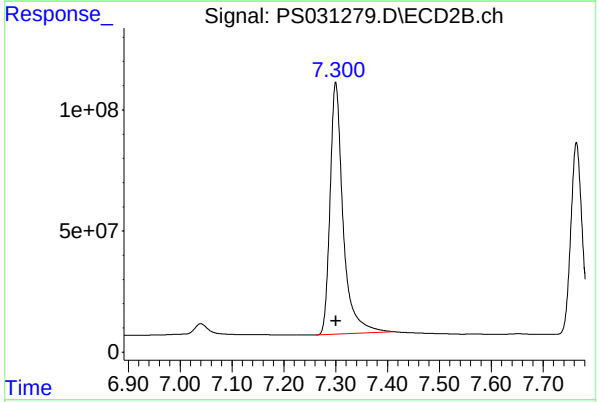
#3 4-Nitrophenol

R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 1424024699
Conc: 1398.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

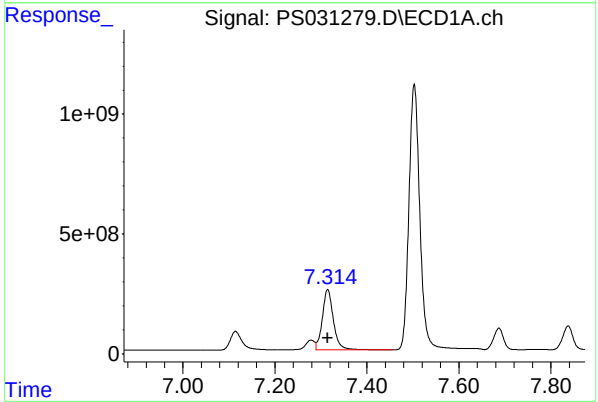
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



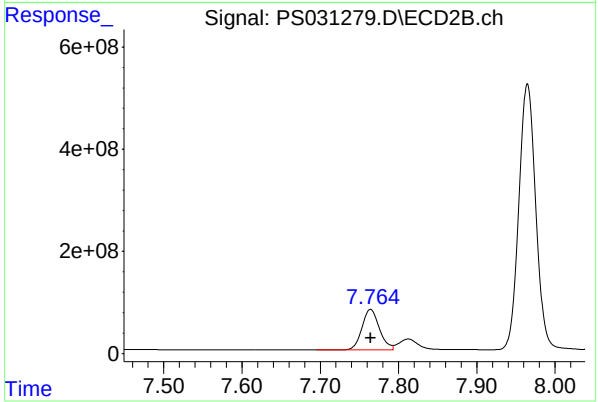
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 1820775211
Conc: 1410.46 ng/ml



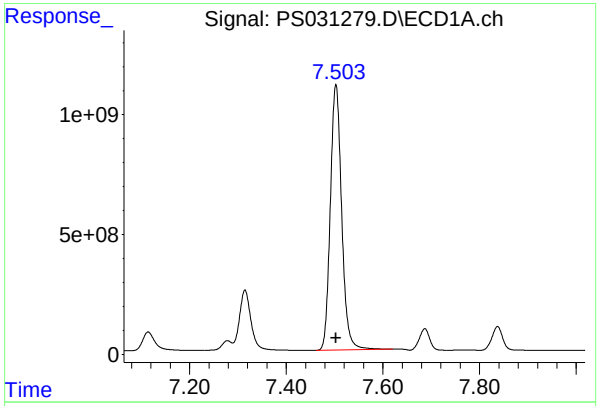
#4 2,4-DCAA

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 4213094245
Conc: 1446.11 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: 0.000 min
Response: 1217860592
Conc: 1458.37 ng/ml



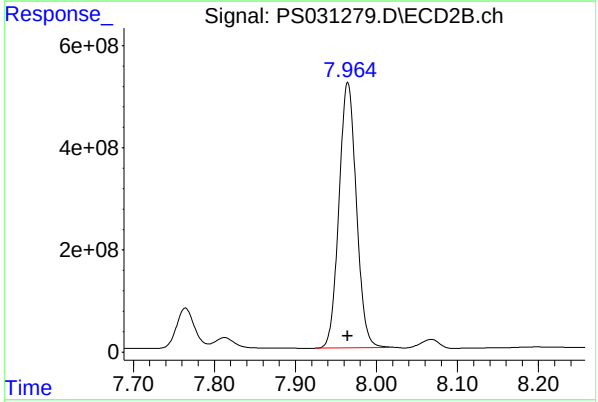
#5 DICAMBA

R.T.: 7.503 min
Delta R.T.: 0.000 mi
Response: 18010725486
Conc: 1393.96 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

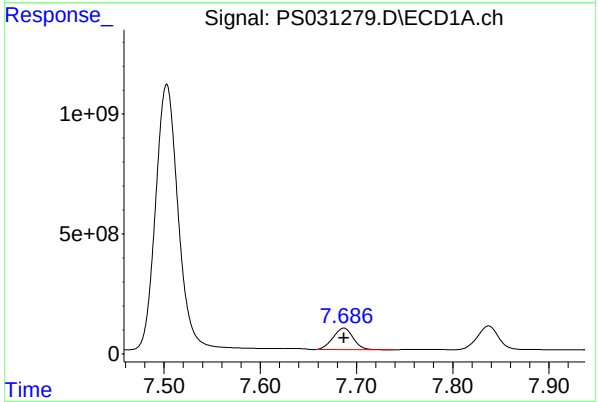
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



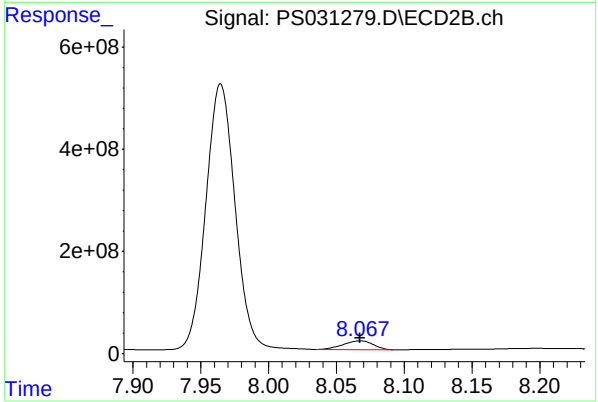
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: 0.000 min
Response: 7755371462
Conc: 1430.66 ng/ml



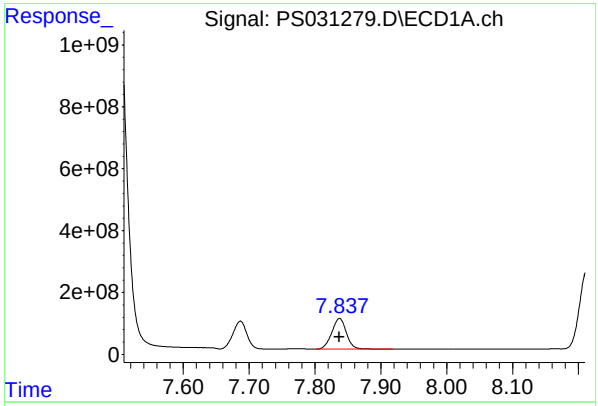
#6 MCPP

R.T.: 7.687 min
Delta R.T.: 0.000 min
Response: 1299408588
Conc: 161.56 ug/ml



#6 MCPP

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 265477750
Conc: 154.85 ug/ml m



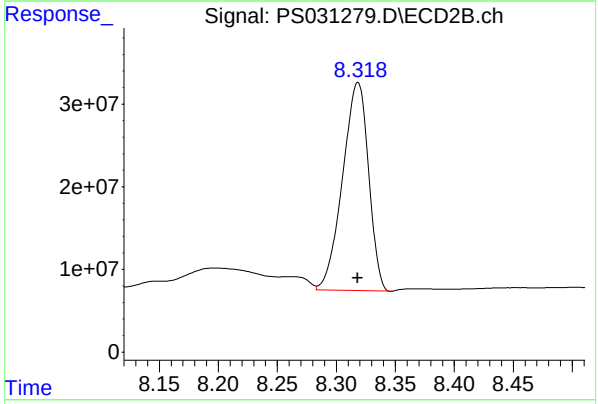
#7 MCPA

R.T.: 7.837 min
Delta R.T.: 0.000 min
Response: 1512505035
Conc: 154.72 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

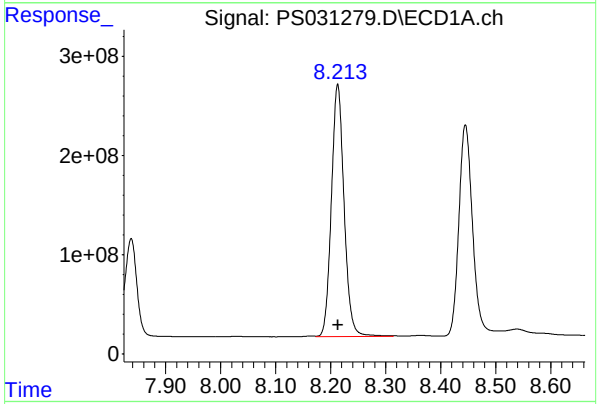
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



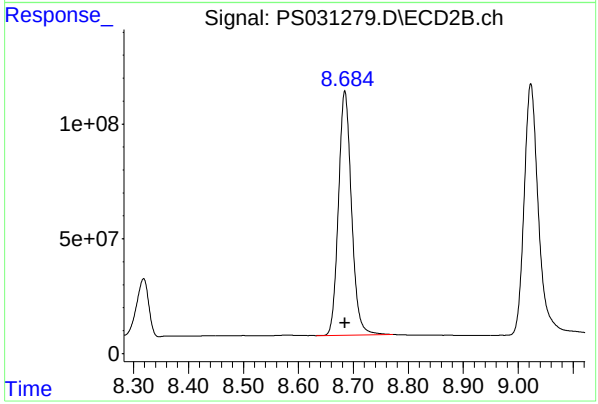
#7 MCPA

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 385209174
Conc: 148.50 ug/ml



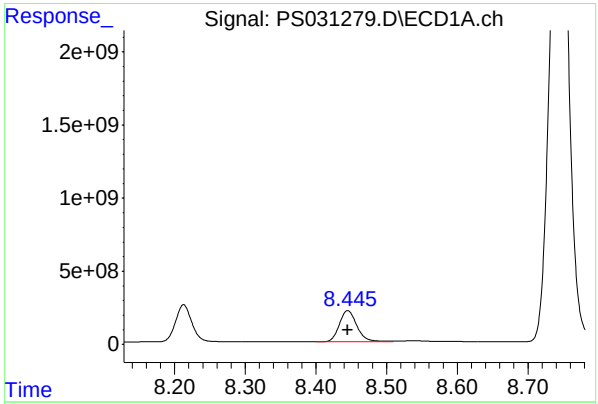
#8 DICHLORPROP

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 4076432467
Conc: 1340.93 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 1752175780
Conc: 1347.77 ng/ml



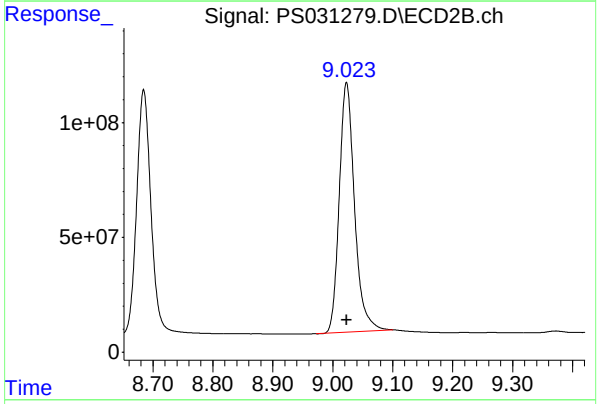
#9 2,4-D

R.T.: 8.445 min
Delta R.T.: 0.000 min
Response: 3709900696
Conc: 1430.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

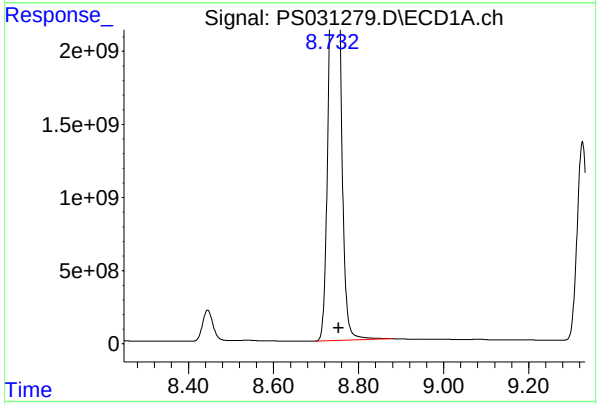
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



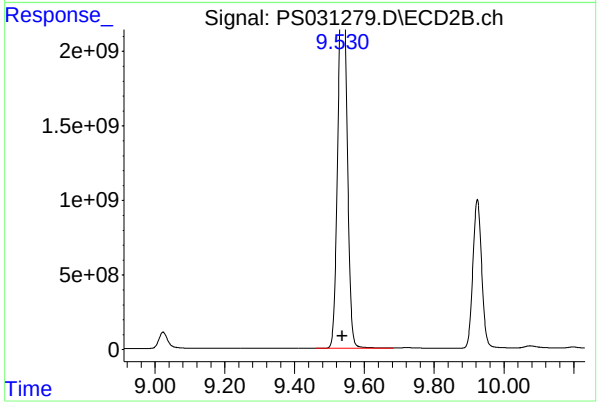
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: 0.000 min
Response: 1928954560
Conc: 1382.24 ng/ml



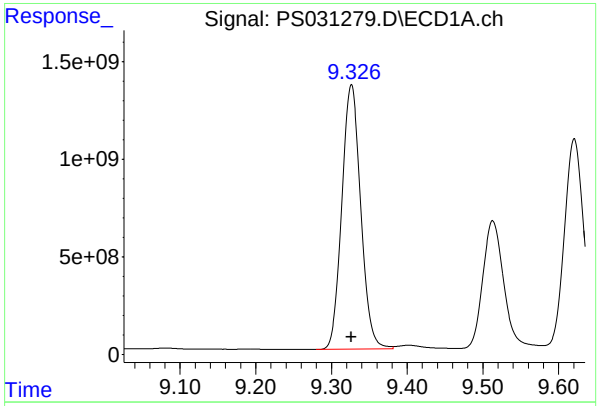
#10 Pentachlorophenol

R.T.: 8.754 min
Delta R.T.: 0.000 min
Response: 51285311175
Conc: 1127.68 ng/ml



#10 Pentachlorophenol

R.T.: 9.537 min
Delta R.T.: 0.000 min
Response: 43992577918
Conc: 1313.35 ng/ml



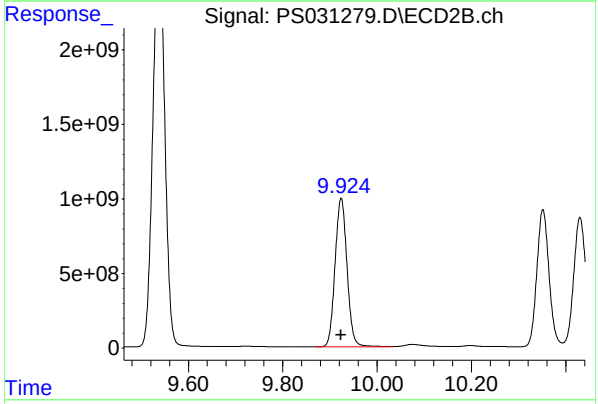
#11 2,4,5-TP (SILVEX)

R.T.: 9.326 min
Delta R.T.: 0.000 min
Response: 23544968472
Conc: 1413.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

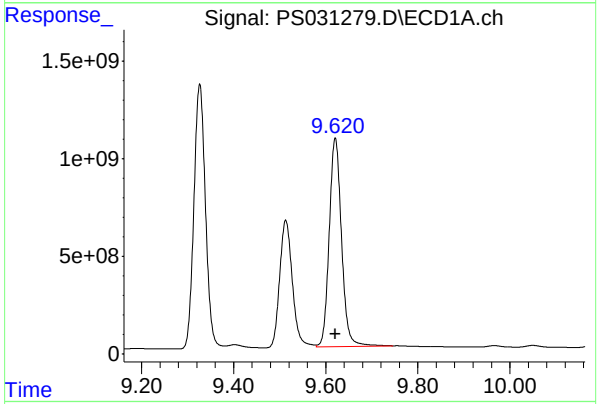
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



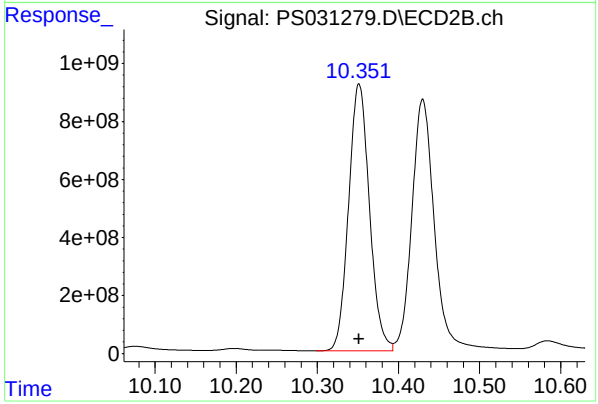
#11 2,4,5-TP (SILVEX)

R.T.: 9.924 min
Delta R.T.: 0.000 min
Response: 17555327889
Conc: 1382.00 ng/ml



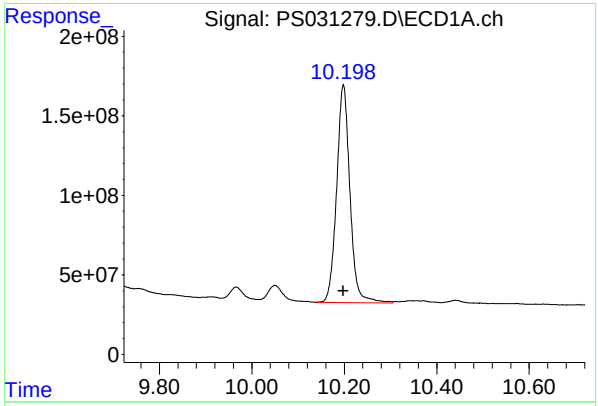
#12 2,4,5-T

R.T.: 9.621 min
Delta R.T.: 0.000 min
Response: 19815782463
Conc: 1489.83 ng/ml



#12 2,4,5-T

R.T.: 10.352 min
Delta R.T.: 0.000 min
Response: 16426375266
Conc: 1408.22 ng/ml



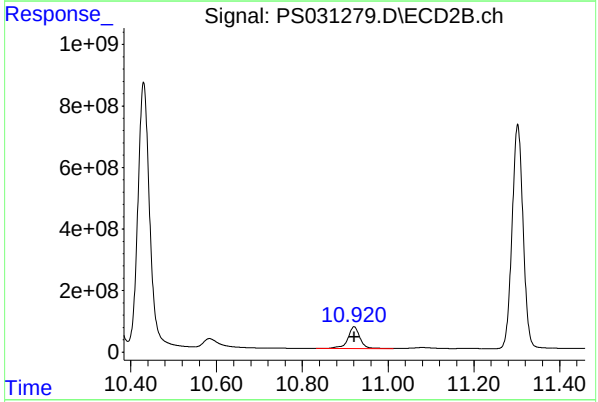
#13 2,4-DB

R.T.: 10.198 min
Delta R.T.: 0.000 min
Response: 2740722963
Conc: 1568.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

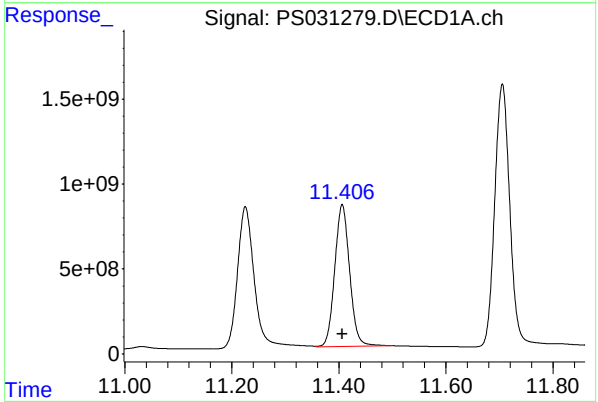
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



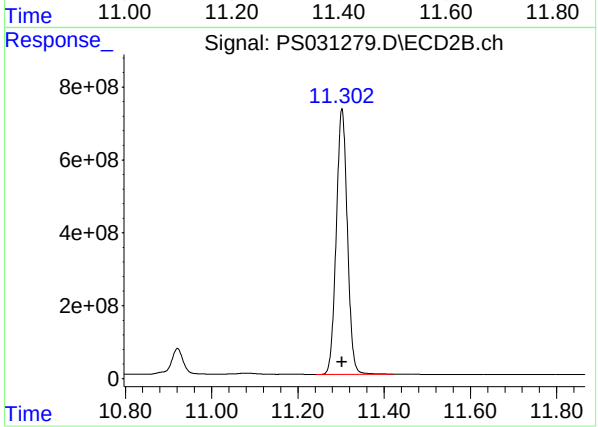
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: 0.000 min
Response: 1389241085
Conc: 1438.35 ng/ml



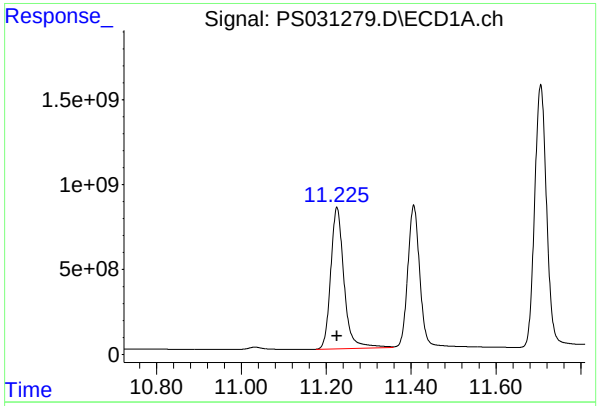
#14 DINOSEB

R.T.: 11.406 min
Delta R.T.: 0.000 min
Response: 16198161218
Conc: 1413.02 ng/ml



#14 DINOSEB

R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 12981690633
Conc: 1389.91 ng/ml



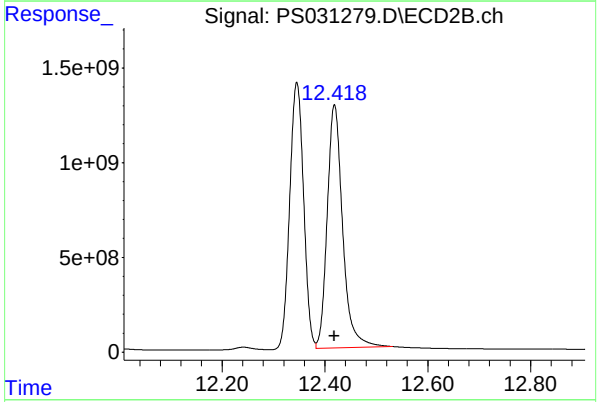
#15 Picloram

R.T.: 11.225 min
Delta R.T.: 0.000 min
Response: 18182152372
Conc: 1552.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

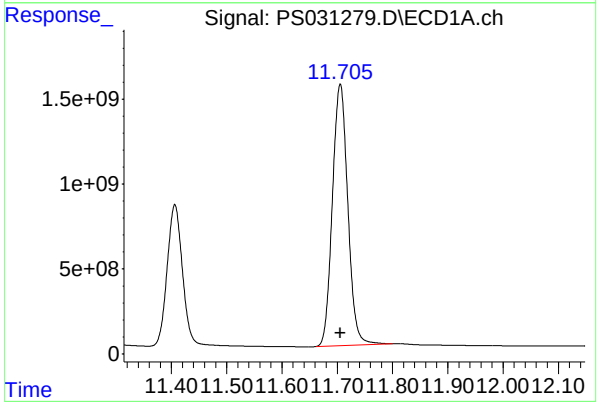
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



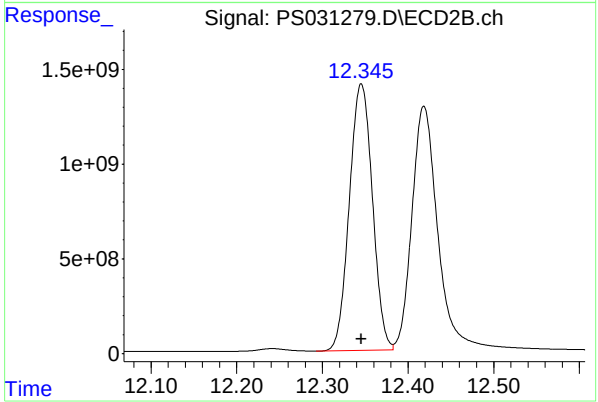
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 26745623510
Conc: 1564.54 ng/ml



#16 DCPA

R.T.: 11.706 min
Delta R.T.: 0.000 min
Response: 29863868036
Conc: 1440.19 ng/ml



#16 DCPA

R.T.: 12.345 min
Delta R.T.: 0.000 min
Response: 26378277323
Conc: 1414.25 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:31
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : ECD_S
ClientSampleId : ICVPS072925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:50:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.315	7.765	2243.9E6	643.4E6	770.185	770.495
	Target Compounds						
1) T	Dalapon	2.687	2.704	3392.0E6	1745.4E6	703.064	710.609
2) T	3,5-DICHL...	6.478	6.712	3054.9E6	932.9E6	716.626	721.942
3) T	4-Nitroph...	7.115	7.303	703.7E6	913.8E6	691.074	707.854
5) T	DICAMBA	7.502	7.964	9430.0E6	3984.4E6	729.846	735.011
6) T	MCPP	7.683	8.062	612.0E6	129.1E6	76.089	75.545
7) T	MCPA	7.833	8.312	717.3E6	197.1E6	73.373	75.979
8) T	DICHLORPROP	8.212	8.684	2150.6E6	932.4E6	707.439	717.176
9) T	2,4-D	8.446	9.024	1853.3E6	1017.3E6	714.640	728.951
10) T	Pentachlo...	8.744	9.537	35802.8E6	25442.6E6	787.242	759.561
11) T	2,4,5-TP ...	9.327	9.923	12346.8E6	9437.2E6	741.047	742.920
12) T	2,4,5-T	9.621	10.352	9811.5E6	8675.9E6	737.669	743.778
13) T	2,4-DB	10.199	10.922	1273.5E6	719.7E6	728.832	745.165
14) T	DINOSEB	11.405	11.302	8263.3E6	6770.1E6	720.834	724.854
15) T	Picloram	11.226	12.421	8499.1E6	12798.4E6	725.821	748.664
16) T	DCPA	11.704	12.345	15610.9E6	14126.5E6	752.837	757.380

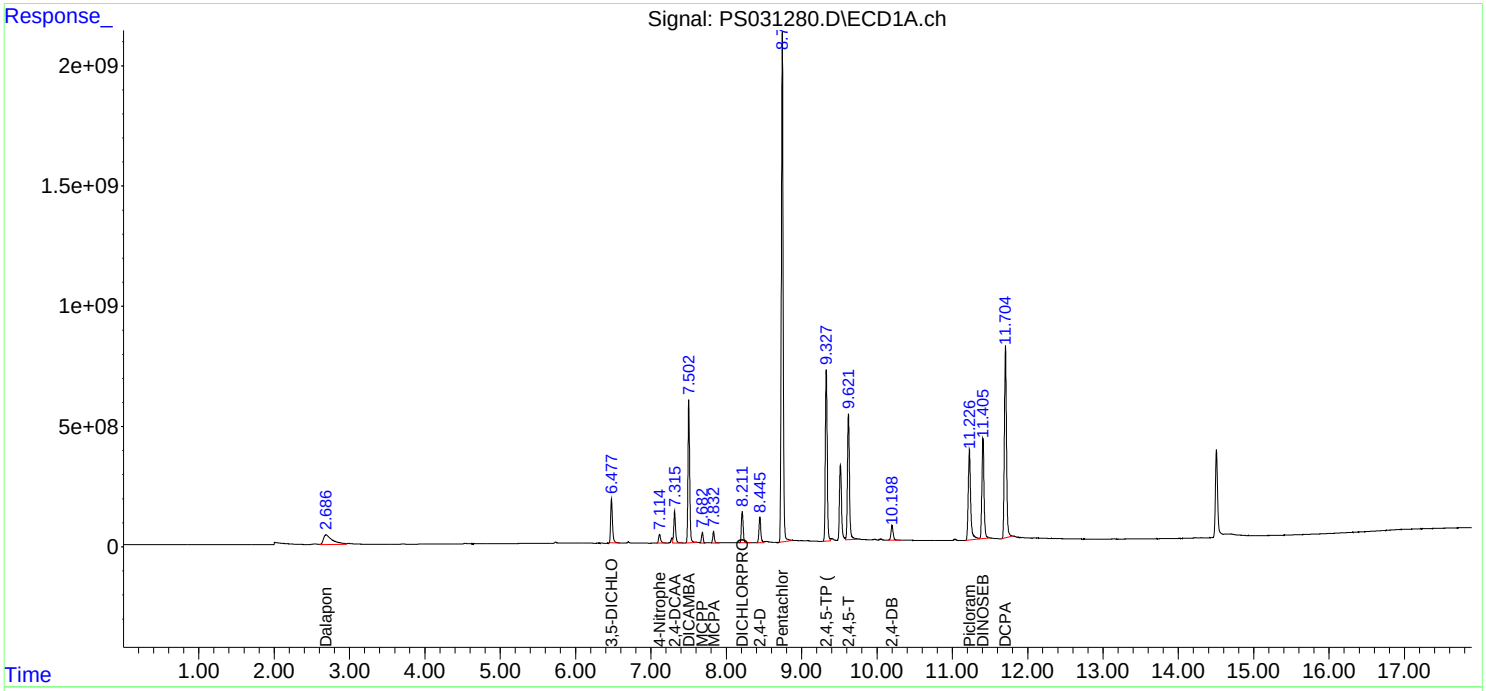
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

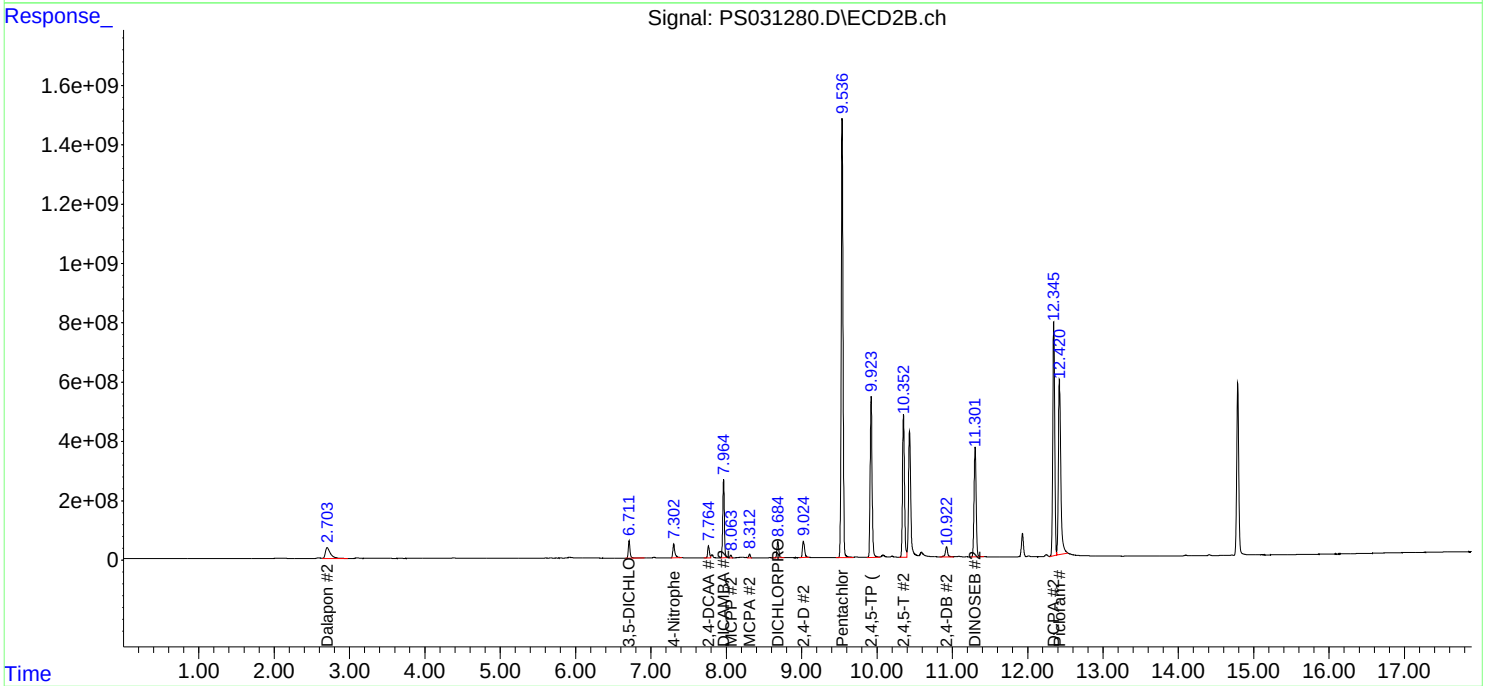
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:31
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

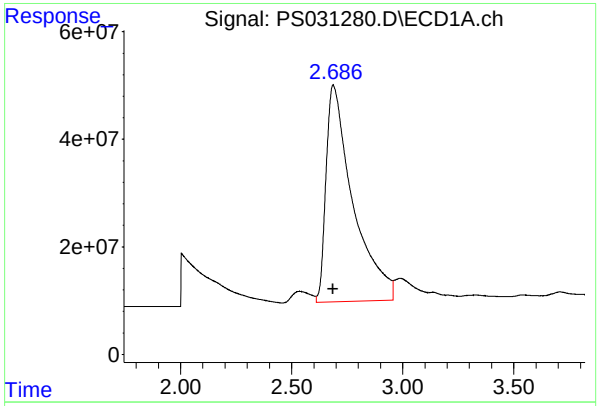
Instrument :
ECD_S
ClientSampleId :
ICVPS072925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:50:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



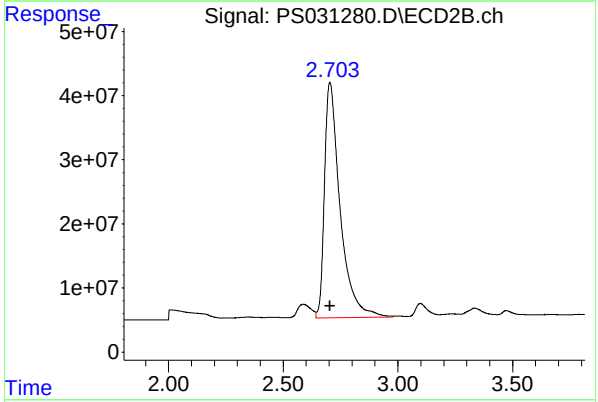




#1 Dalapon

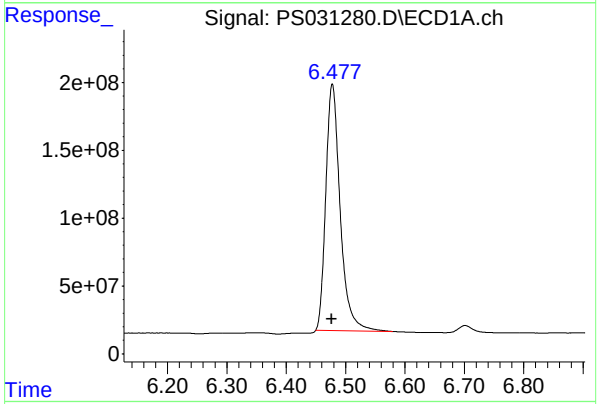
R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 3391973829
Conc: 703.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



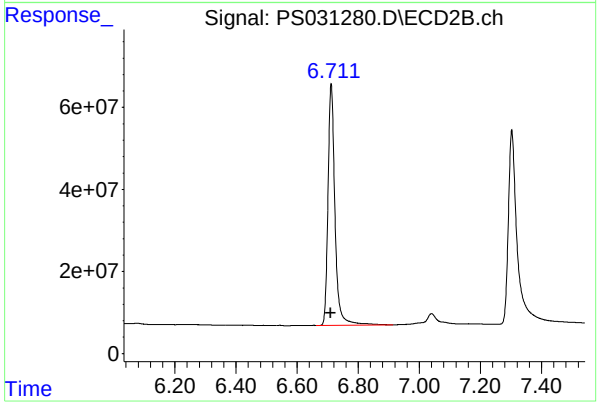
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1745386450
Conc: 710.61 ng/ml



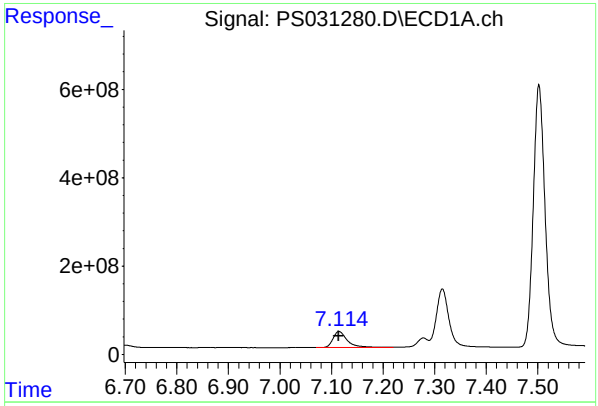
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 3054929384
Conc: 716.63 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

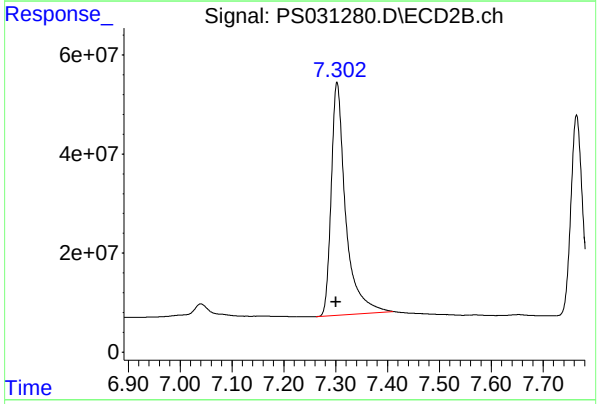
R.T.: 6.712 min
Delta R.T.: 0.000 min
Response: 932944589
Conc: 721.94 ng/ml



#3 4-Nitrophenol

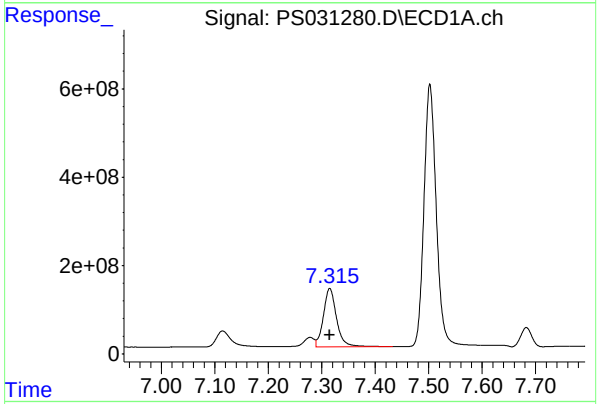
R.T.: 7.115 min
Delta R.T.: 0.000 min
Response: 703652278
Conc: 691.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



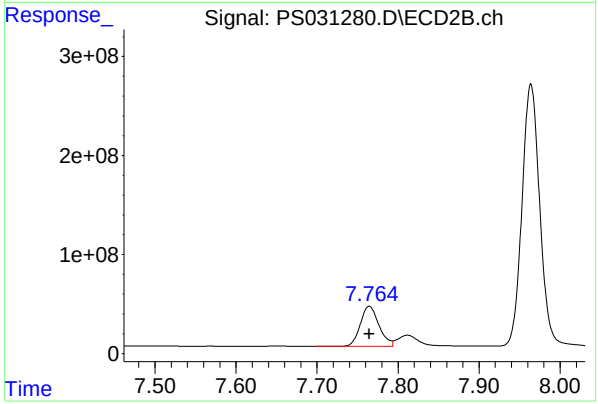
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: 0.003 min
Response: 913777604
Conc: 707.85 ng/ml



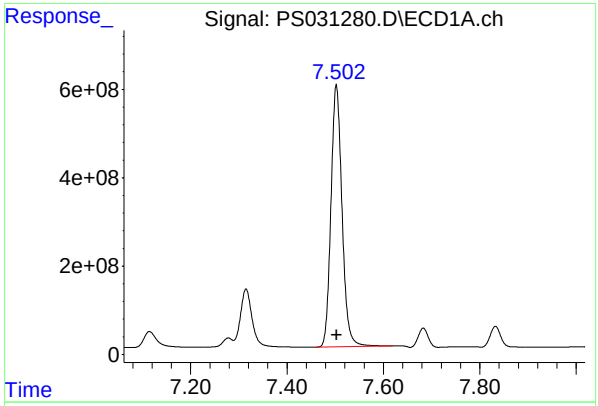
#4 2,4-DCAA

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 2243860178
Conc: 770.18 ng/ml



#4 2,4-DCAA

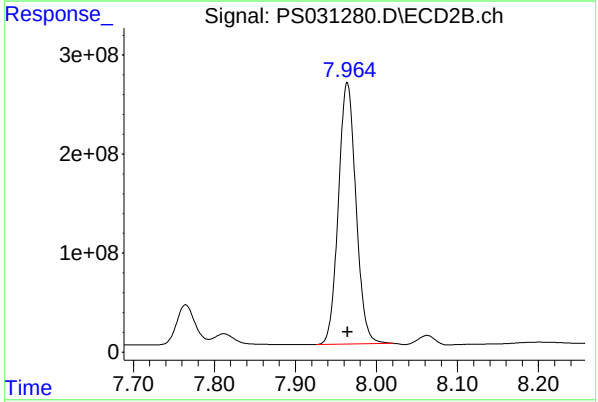
R.T.: 7.765 min
Delta R.T.: 0.000 min
Response: 643426087
Conc: 770.50 ng/ml



#5 DICAMBA

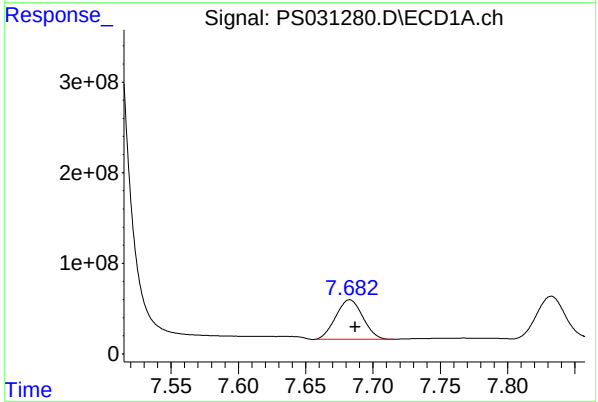
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 9430036139
Conc: 729.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



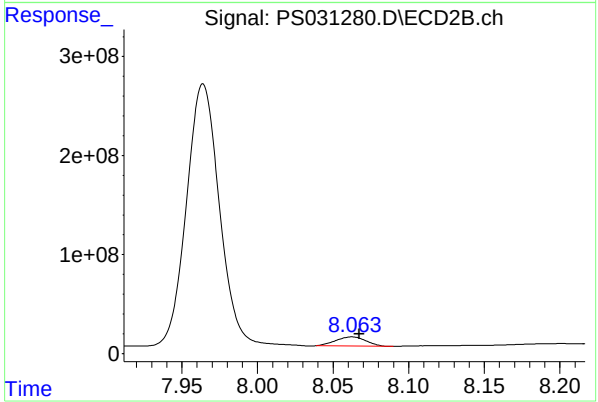
#5 DICAMBA

R.T.: 7.964 min
Delta R.T.: 0.000 min
Response: 3984382410
Conc: 735.01 ng/ml



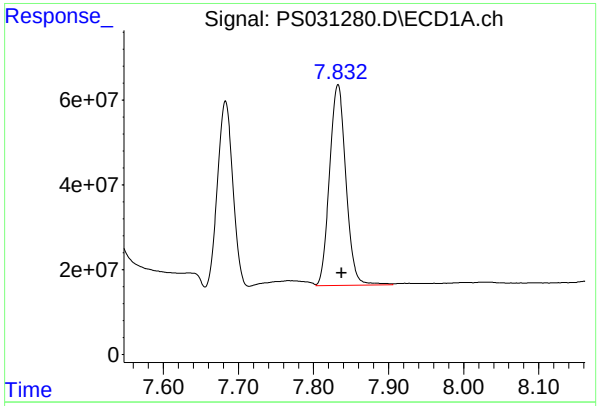
#6 MCPP

R.T.: 7.683 min
Delta R.T.: -0.004 min
Response: 611958988
Conc: 76.09 ug/ml



#6 MCPP

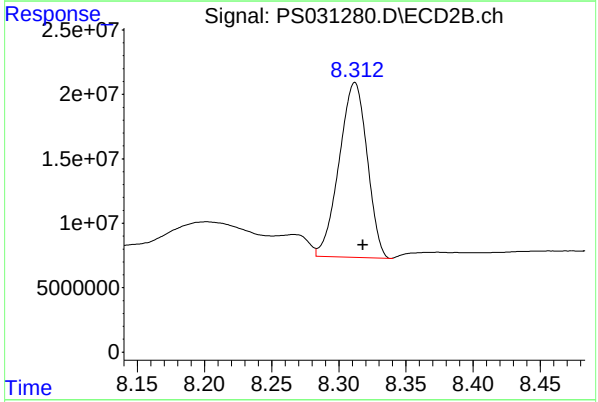
R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 129134862
Conc: 75.54 ug/ml



#7 MCPA

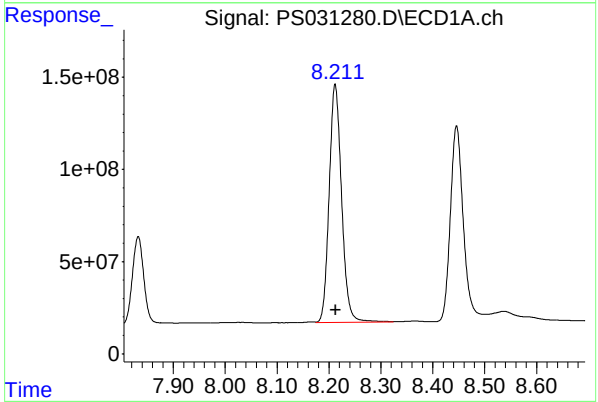
R.T.: 7.833 min
Delta R.T.: -0.005 min
Response: 717290120
Conc: 73.37 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



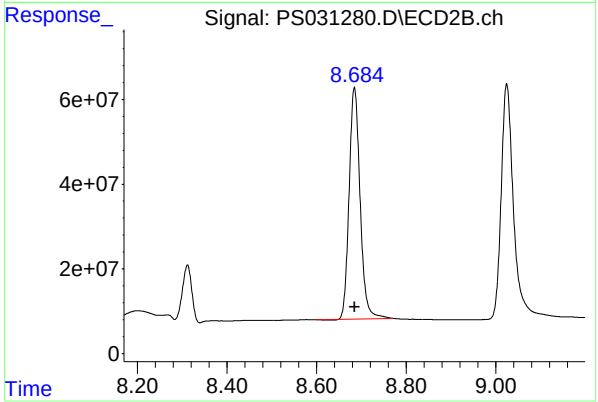
#7 MCPA

R.T.: 8.312 min
Delta R.T.: -0.006 min
Response: 197086011
Conc: 75.98 ug/ml



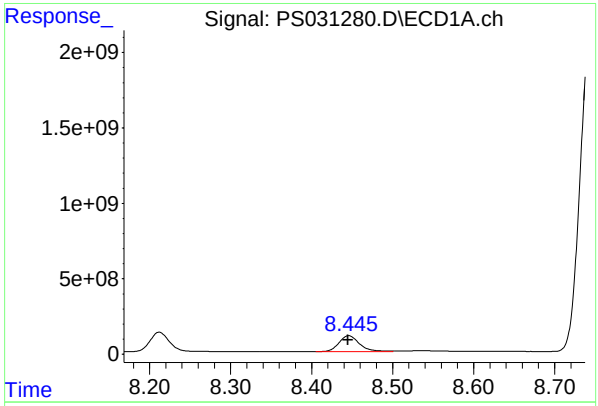
#8 DICHLORPROP

R.T.: 8.212 min
Delta R.T.: -0.001 min
Response: 2150624293
Conc: 707.44 ng/ml



#8 DICHLORPROP

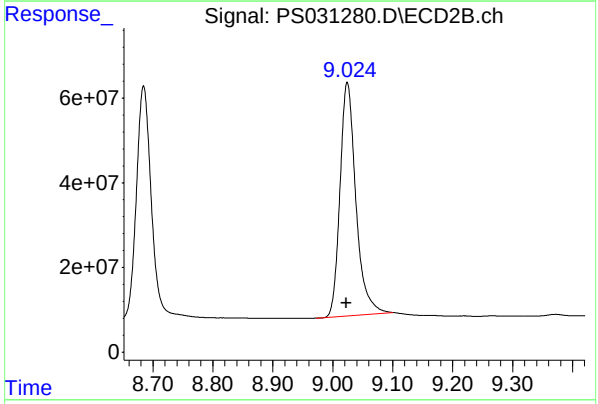
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 932370755
Conc: 717.18 ng/ml



#9 2,4-D

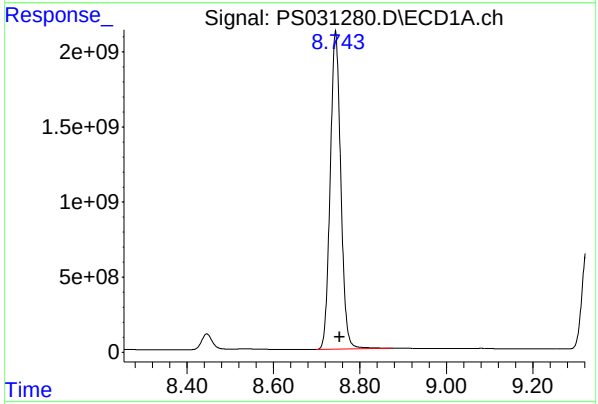
R.T.: 8.446 min
Delta R.T.: 0.000 min
Response: 1853304276
Conc: 714.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



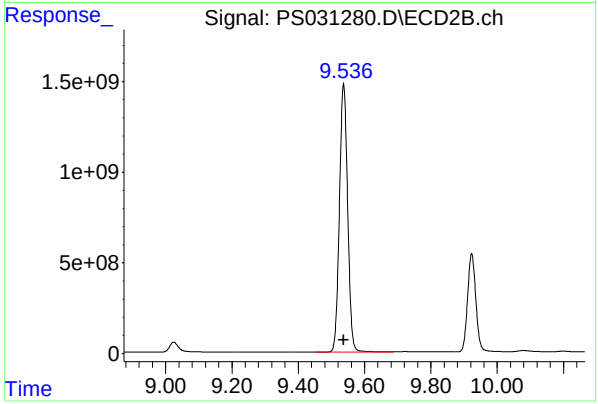
#9 2,4-D

R.T.: 9.024 min
Delta R.T.: 0.001 min
Response: 1017272546
Conc: 728.95 ng/ml



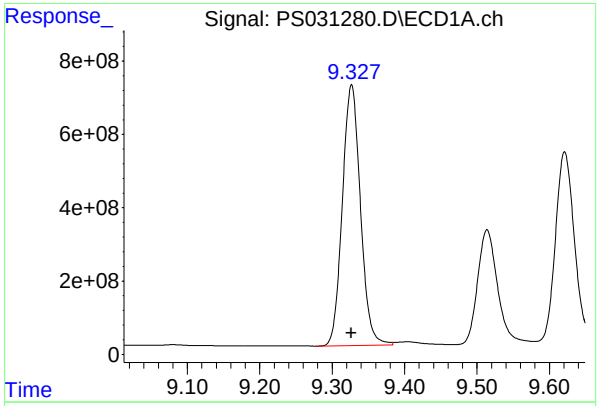
#10 Pentachlorophenol

R.T.: 8.744 min
Delta R.T.: -0.010 min
Response: 35802791872
Conc: 787.24 ng/ml



#10 Pentachlorophenol

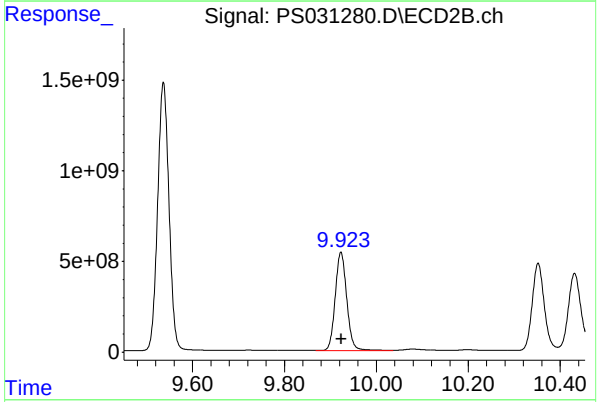
R.T.: 9.537 min
Delta R.T.: 0.000 min
Response: 25442555188
Conc: 759.56 ng/ml



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

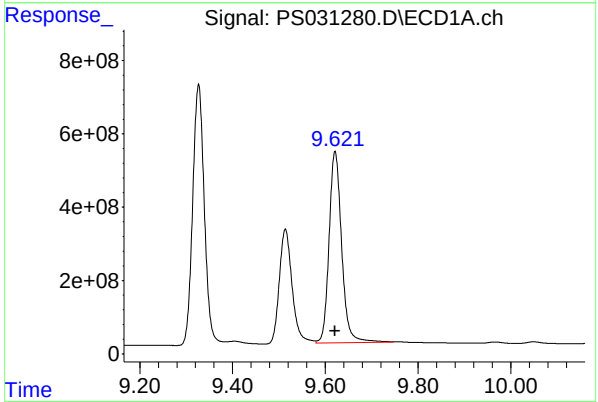
R.T.: 9.327 min
Delta R.T.: 0.000 min
Response: 12346779977
Conc: 741.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



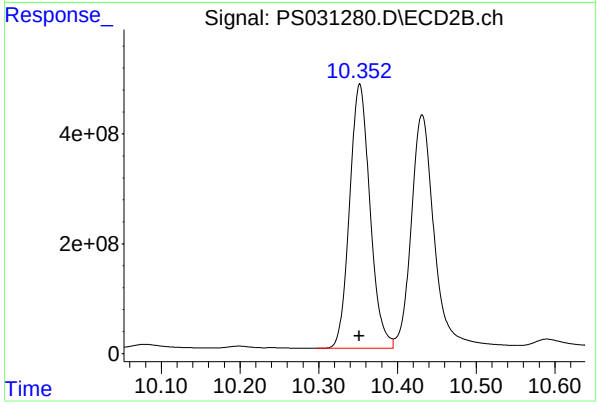
#11 2,4,5-TP (SILVEX)

R.T.: 9.923 min
Delta R.T.: 0.000 min
Response: 9437161771
Conc: 742.92 ng/ml



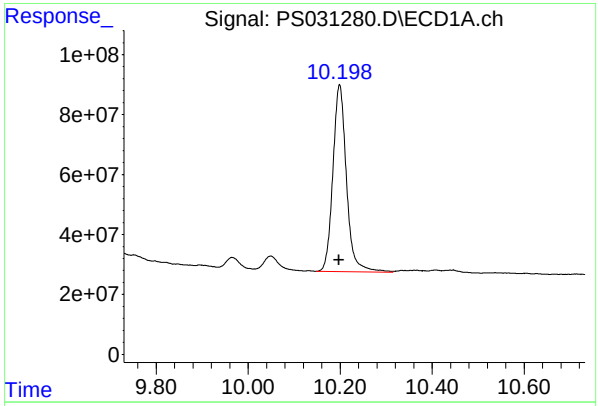
#12 2,4,5-T

R.T.: 9.621 min
Delta R.T.: 0.000 min
Response: 9811543654
Conc: 737.67 ng/ml



#12 2,4,5-T

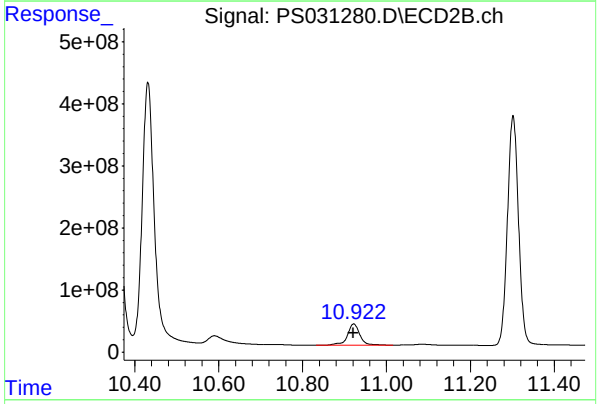
R.T.: 10.352 min
Delta R.T.: 0.000 min
Response: 8675917524
Conc: 743.78 ng/ml



#13 2,4-DB

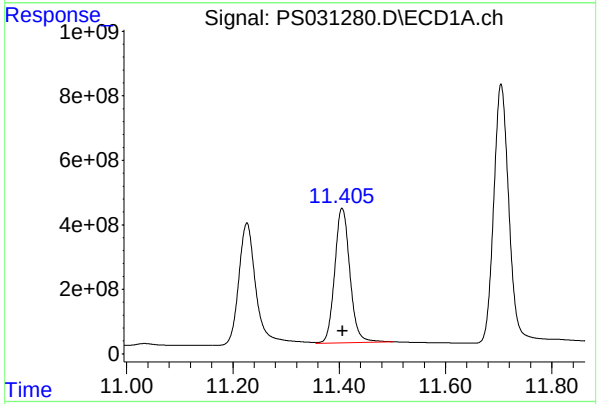
R.T.: 10.199 min
Delta R.T.: 0.000 min
Response: 1273454223
Conc: 728.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



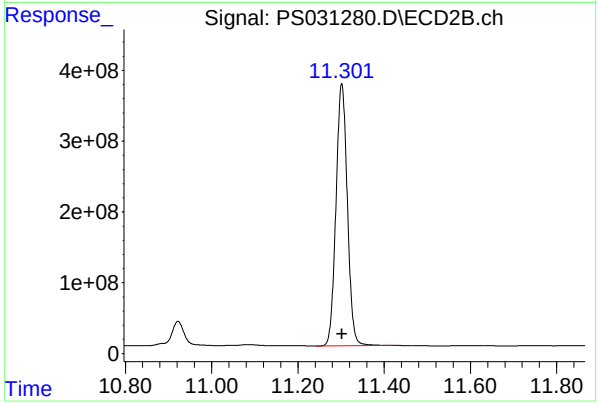
#13 2,4-DB

R.T.: 10.922 min
Delta R.T.: 0.001 min
Response: 719721705
Conc: 745.16 ng/ml



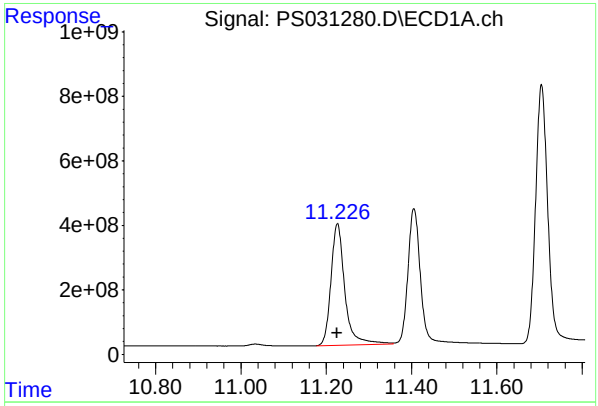
#14 DINOSEB

R.T.: 11.405 min
Delta R.T.: 0.000 min
Response: 8263311038
Conc: 720.83 ng/ml



#14 DINOSEB

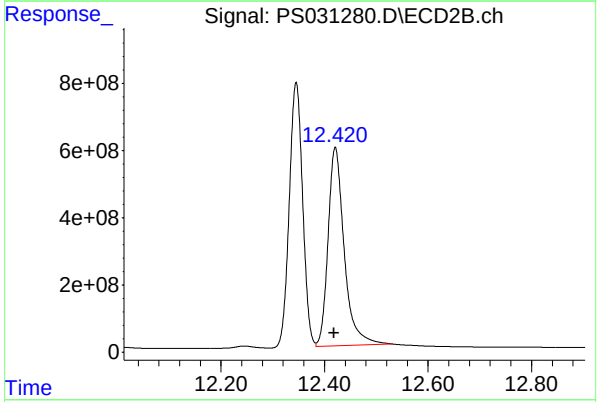
R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 6770093711
Conc: 724.85 ng/ml



#15 Picloram

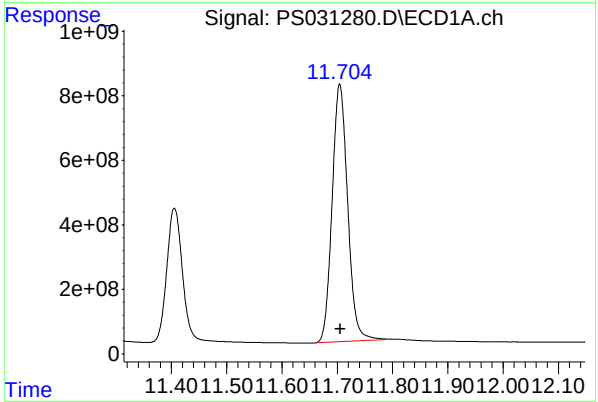
R.T.: 11.226 min
Delta R.T.: 0.001 min
Response: 8499091390
Conc: 725.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



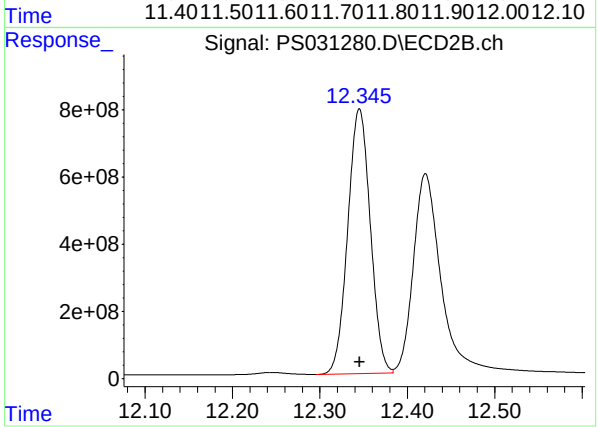
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.002 min
Response: 12798362521
Conc: 748.66 ng/ml



#16 DCPA

R.T.: 11.704 min
Delta R.T.: -0.001 min
Response: 15610933775
Conc: 752.84 ng/ml



#16 DCPA

R.T.: 12.345 min
Delta R.T.: 0.000 min
Response: 14126472499
Conc: 757.38 ng/ml

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/04/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 10:10 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.49	7.50	7.40	7.60	0.01
2,4-DCAA	7.30	7.32	7.22	7.42	0.02
Dalapon	2.68	2.69	2.59	2.79	0.01
DICHLORPROP	8.20	8.21	8.11	8.31	0.01
2,4-D	8.43	8.45	8.35	8.55	0.02
2,4,5-TP(Silvex)	9.31	9.33	9.23	9.43	0.02
2,4,5-T	9.60	9.62	9.52	9.72	0.02
2,4-DB	10.18	10.20	10.10	10.30	0.02
Dinoseb	11.39	11.41	11.31	11.51	0.02

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/04/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 10:10 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.97	7.87	8.07	0.02
2,4-DCAA	7.75	7.77	7.67	7.87	0.02
Dalapon	2.70	2.70	2.60	2.80	0.00
DICHLORPROP	8.67	8.69	8.59	8.79	0.02
2,4-D	9.01	9.03	8.93	9.13	0.02
2,4,5-TP(Silvex)	9.91	9.92	9.82	10.02	0.01
2,4,5-T	10.34	10.35	10.25	10.45	0.01
2,4-DB	10.91	10.92	10.82	11.02	0.01
Dinoseb	11.29	11.30	11.20	11.40	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031353.D **Time Analyzed:** 10:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.604	9.521	9.721	845.560	712.500	18.7
2,4,5-TP(Silvex)	9.310	9.227	9.427	777.450	712.500	9.1
2,4-D	8.431	8.346	8.546	788.230	705.000	11.8
2,4-DB	10.181	10.099	10.299	818.290	712.500	14.8
2,4-DCAA	7.302	7.215	7.415	790.880	750.000	5.5
Dalapon	2.681	2.591	2.791	666.870	682.500	-2.3
DICAMBA	7.489	7.403	7.603	718.060	705.000	1.9
DICHLORPROP	8.198	8.113	8.313	712.890	705.000	1.1
Dinoseb	11.386	11.307	11.507	761.110	705.000	8.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031353.D **Time Analyzed:** 10:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.339	10.252	10.452	669.110	712.500	-6.1
2,4,5-TP(Silvex)	9.911	9.824	10.024	671.720	712.500	-5.7
2,4-D	9.011	8.925	9.125	656.660	705.000	-6.9
2,4-DB	10.907	10.822	11.022	642.160	712.500	-9.9
2,4-DCAA	7.754	7.666	7.866	692.250	750.000	-7.7
Dalapon	2.698	2.603	2.803	629.750	682.500	-7.7
DICAMBA	7.953	7.865	8.065	658.370	705.000	-6.6
DICHLORPROP	8.672	8.585	8.785	644.590	705.000	-8.6
Dinoseb	11.287	11.202	11.402	636.760	705.000	-9.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031353.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 10:10
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.302	7.754	2304.2E6	578.1E6	790.882	692.254
		Target Compounds						
1)	T	Dalapon	2.681	2.698	3217.4E6	1546.8E6	666.870	629.750
2)	T	3,5-DICHL...	6.467	6.703	3103.0E6	850.1E6	727.904m	657.857
3)	T	4-Nitroph...	7.103	7.294	818.4E6	819.8E6	803.750	635.021
5)	T	DICAMBA	7.489	7.953	9277.8E6	3568.9E6	718.059m	658.366m
6)	T	MCPP	7.669	8.052	607.2E6	126.8E6	75.492m	74.160m
7)	T	MCPA	7.819	8.301	731.5E6	181.2E6	74.823	69.836
8)	T	DICHLORPROP	8.198	8.672	2167.2E6	838.0E6	712.888	644.593
9)	T	2,4-D	8.431	9.011	2044.1E6	916.4E6	788.225	656.662
10)	T	Pentachlo...	8.731	9.526	35816.3E6	23466.3E6	787.539m	700.562
11)	T	2,4,5-TP ...	9.310	9.911	12953.3E6	8532.7E6	777.451	671.720
12)	T	2,4,5-T	9.604	10.339	11246.6E6	7805.0E6	845.565	669.112
13)	T	2,4-DB	10.181	10.907	1429.8E6	620.2E6	818.290m	642.161
14)	T	DINOSEB	11.386	11.287	8725.0E6	5947.3E6	761.111	636.765
15)	T	Picloram	11.206	12.404	9247.8E6	11305.6E6	789.758m	661.342
16)	T	DCPA	11.685	12.329	16980.7E6	13312.3E6	818.894m	713.730m

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

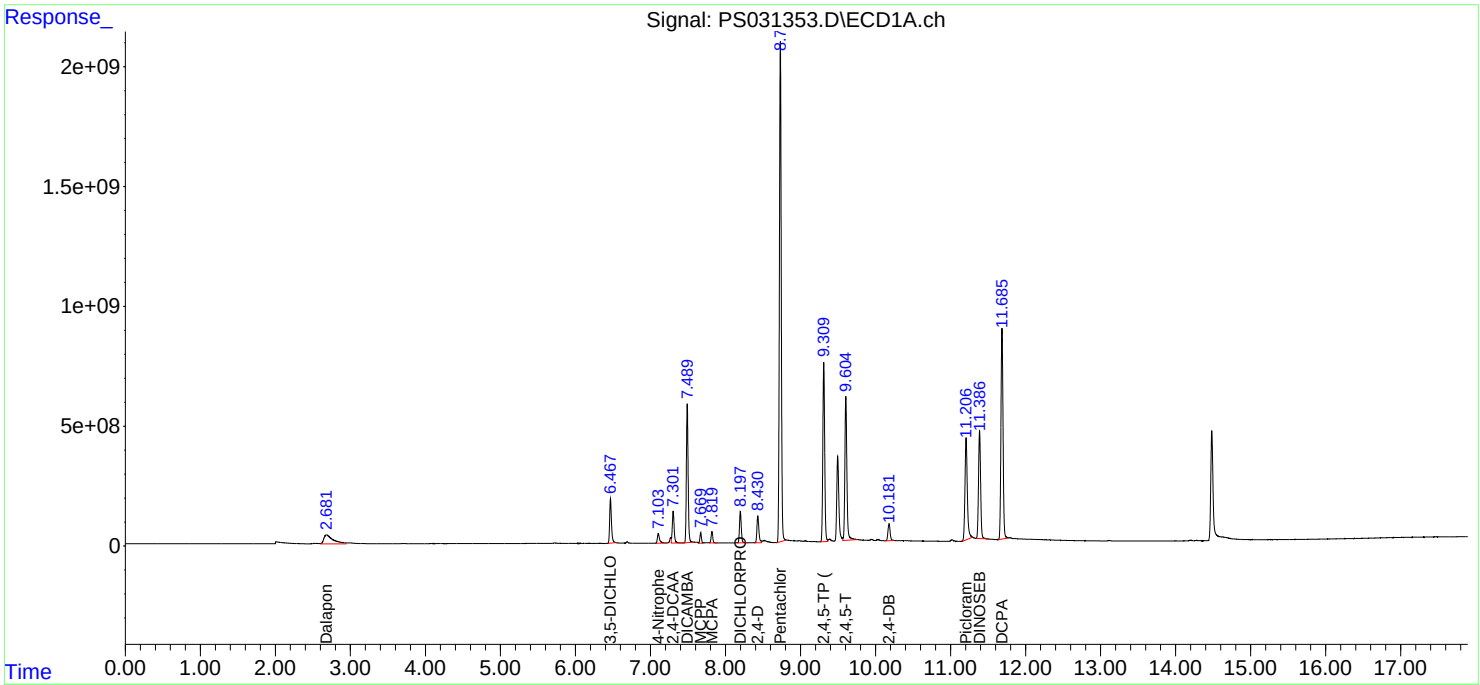
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031353.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 10:10
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

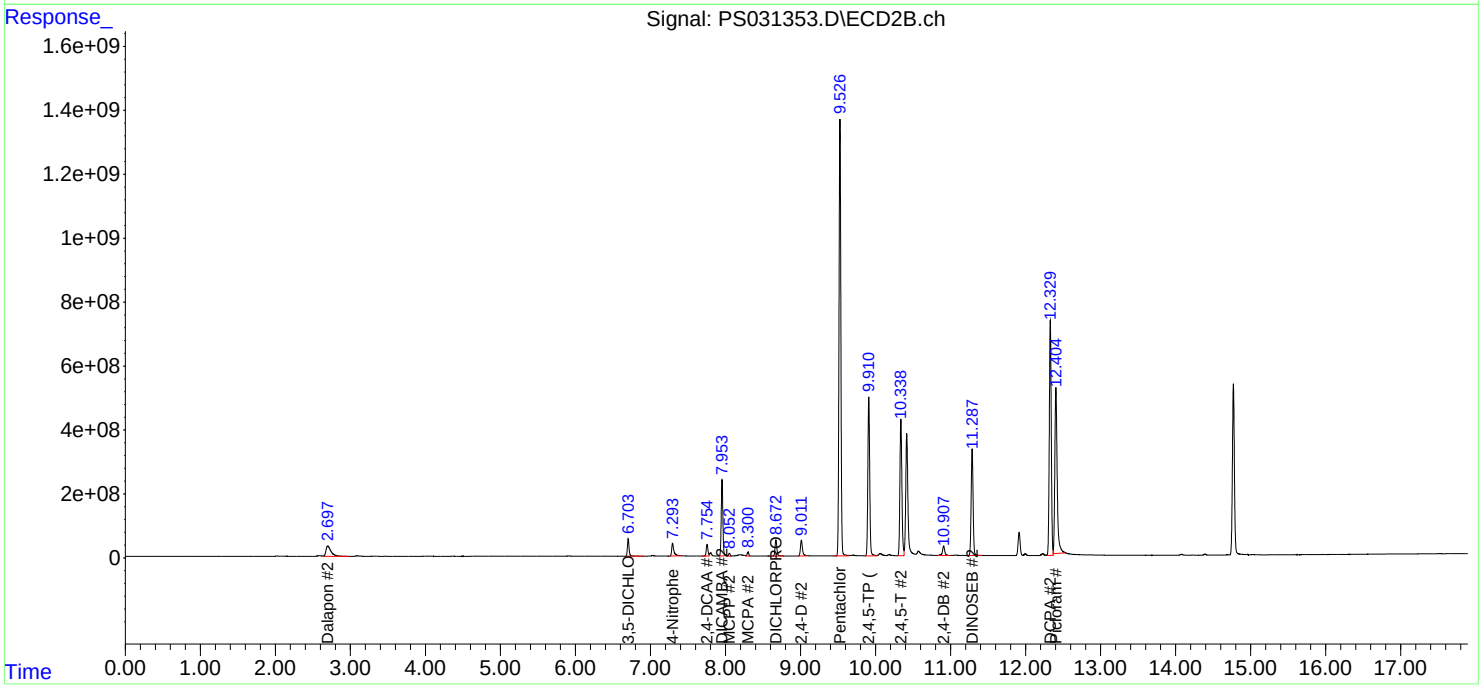
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

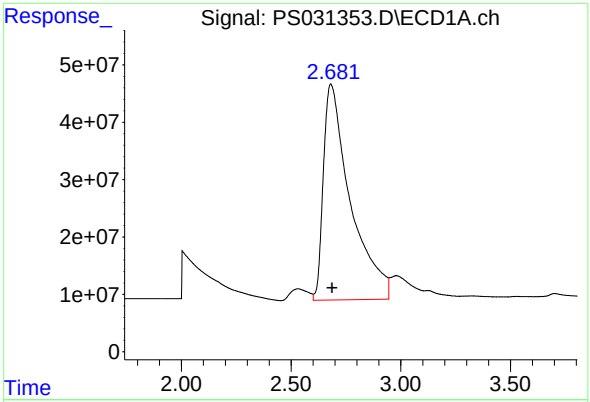
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







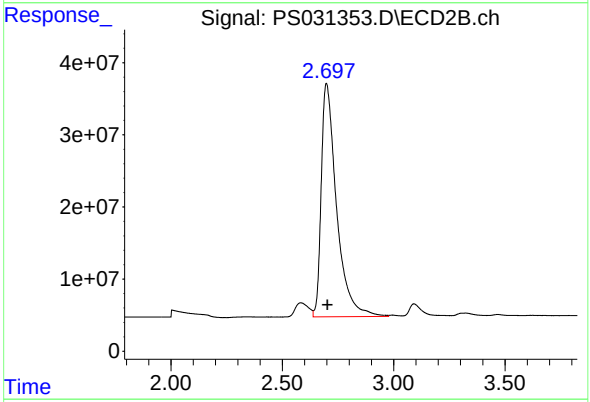
#1 Dalapon

R.T.: 2.681 min
Delta R.T.: -0.006 min
Response: 3217355351
Conc: 666.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

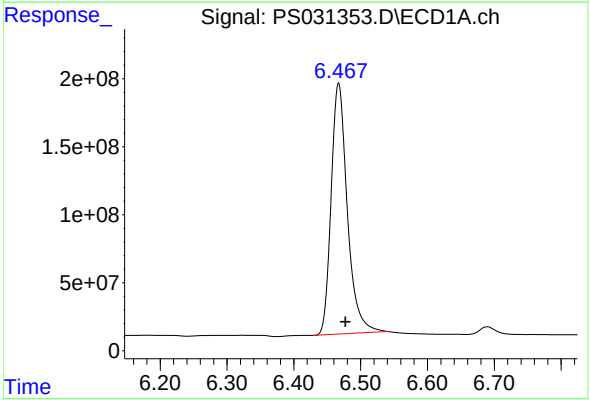
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



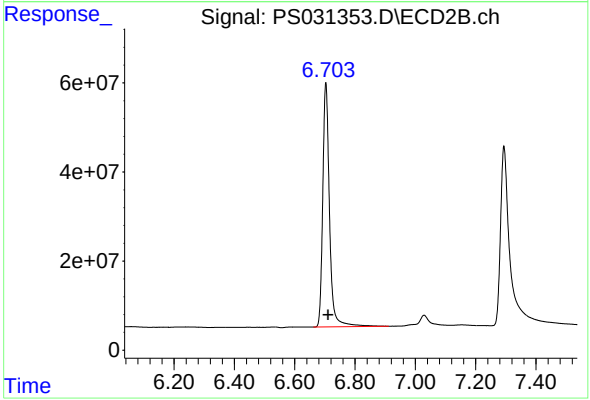
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: -0.005 min
Response: 1546782140
Conc: 629.75 ng/ml



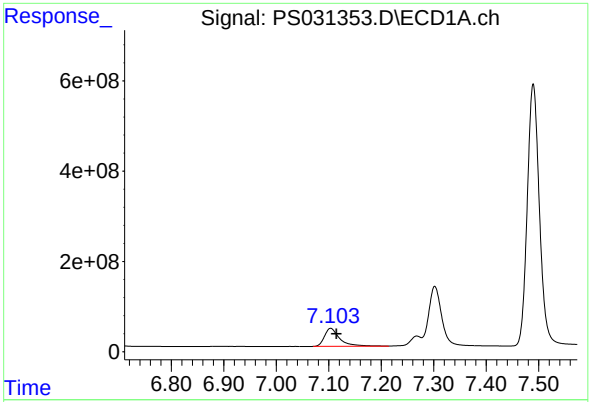
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.467 min
Delta R.T.: -0.010 min
Response: 3103007111
Conc: 727.90 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.703 min
Delta R.T.: -0.008 min
Response: 850129728
Conc: 657.86 ng/ml



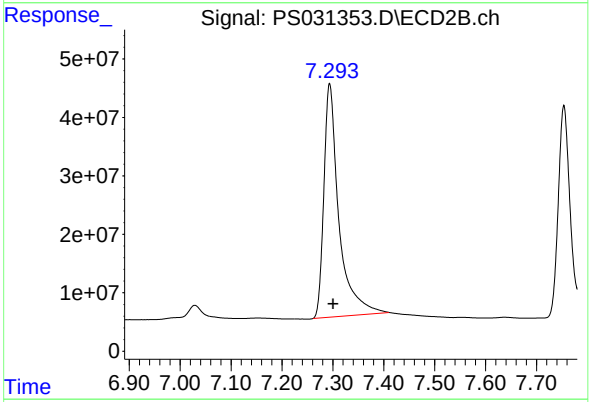
#3 4-Nitrophenol

R.T.: 7.103 min
Delta R.T.: -0.011 min
Response: 818378797
Conc: 803.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

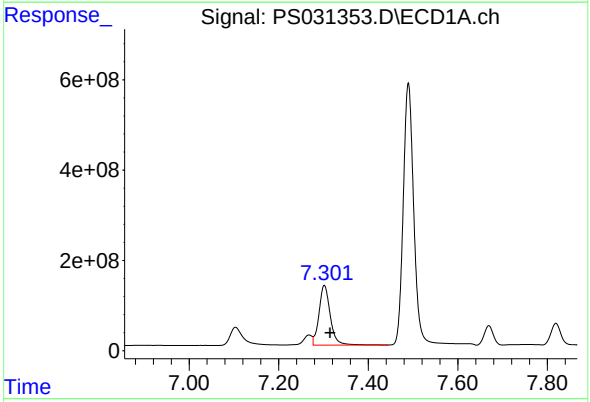
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



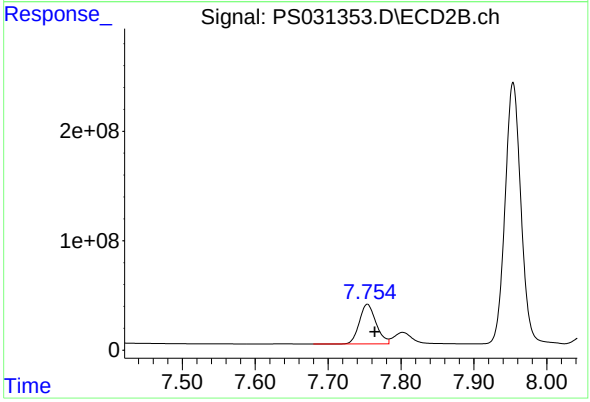
#3 4-Nitrophenol

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 819756636
Conc: 635.02 ng/ml



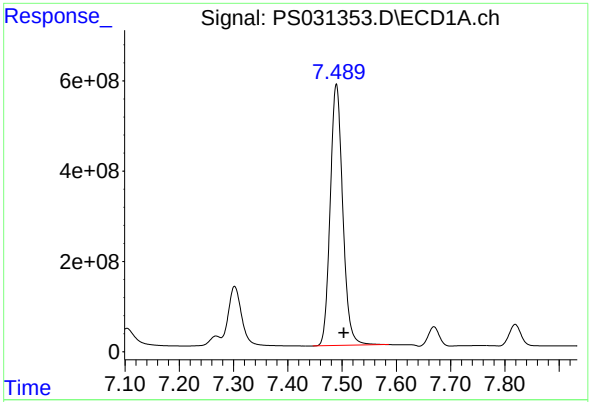
#4 2,4-DCAA

R.T.: 7.302 min
Delta R.T.: -0.013 min
Response: 2304160196
Conc: 790.88 ng/ml



#4 2,4-DCAA

R.T.: 7.754 min
Delta R.T.: -0.010 min
Response: 578088608
Conc: 692.25 ng/ml



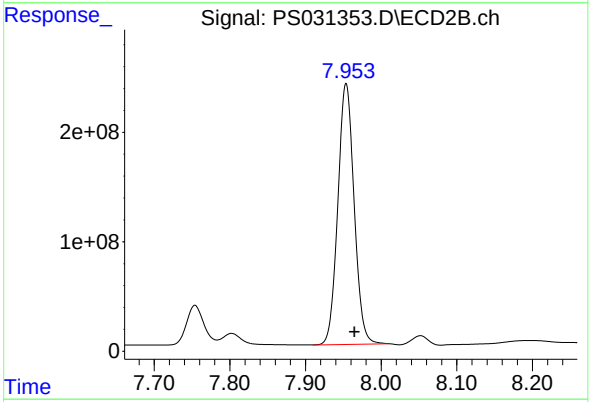
#5 DICAMBA

R.T.: 7.489 min
Delta R.T.: -0.014 min
Response: 9277750634
Conc: 718.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

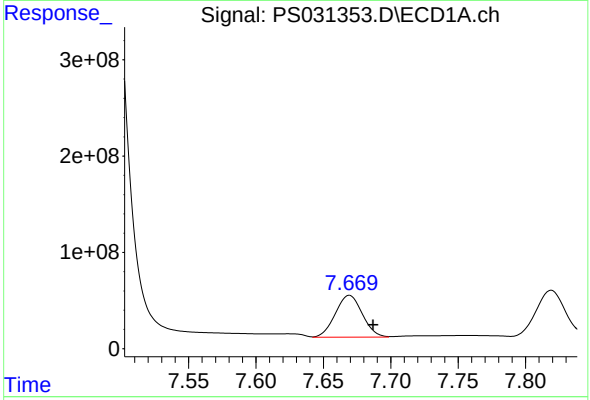
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



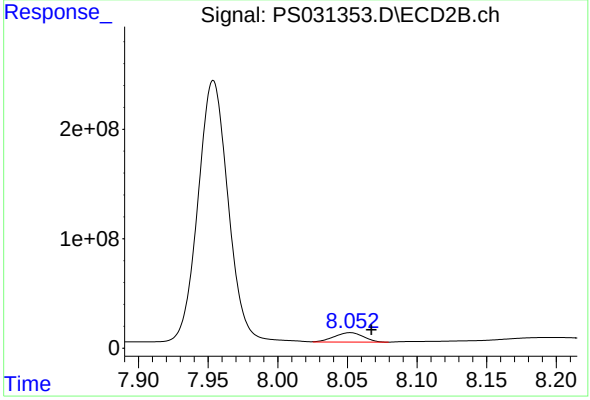
#5 DICAMBA

R.T.: 7.953 min
Delta R.T.: -0.011 min
Response: 3568899268
Conc: 658.37 ng/ml m



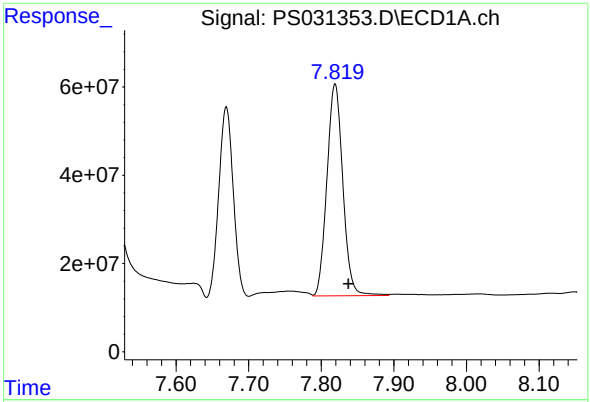
#6 MCPP

R.T.: 7.669 min
Delta R.T.: -0.018 min
Response: 607160224
Conc: 75.49 ug/ml m



#6 MCPP

R.T.: 8.052 min
Delta R.T.: -0.016 min
Response: 126767164
Conc: 74.16 ug/ml m



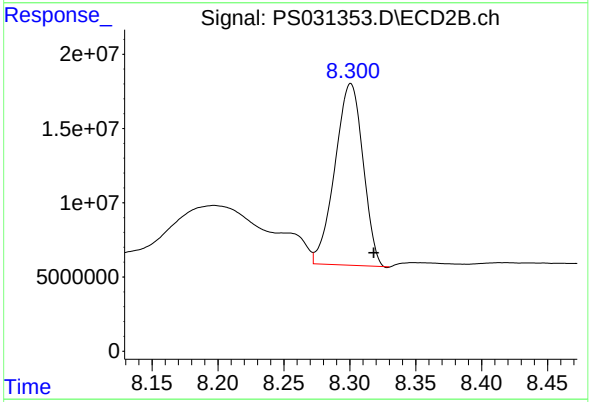
#7 MCPA

R.T.: 7.819 min
Delta R.T.: -0.018 min
Response: 731463975
Conc: 74.82 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

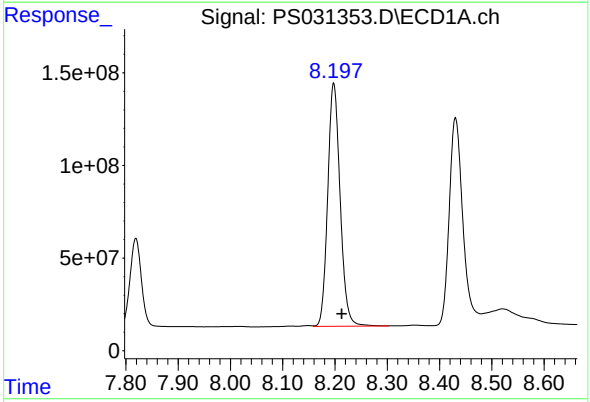
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



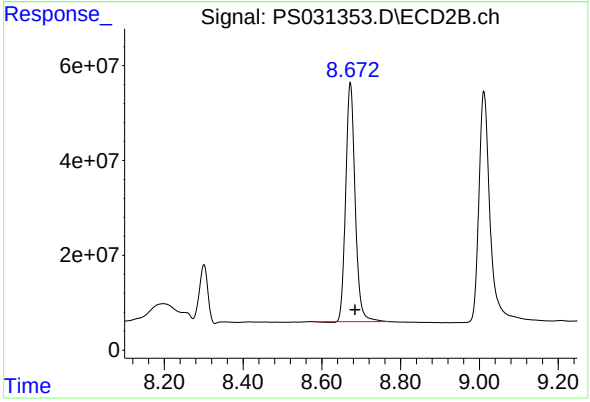
#7 MCPA

R.T.: 8.301 min
Delta R.T.: -0.018 min
Response: 181152560
Conc: 69.84 ug/ml



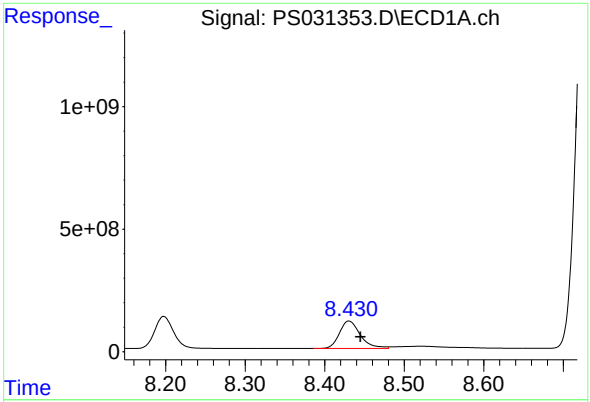
#8 DICHLORPROP

R.T.: 8.198 min
Delta R.T.: -0.015 min
Response: 2167188673
Conc: 712.89 ng/ml



#8 DICHLORPROP

R.T.: 8.672 min
Delta R.T.: -0.012 min
Response: 838008739
Conc: 644.59 ng/ml



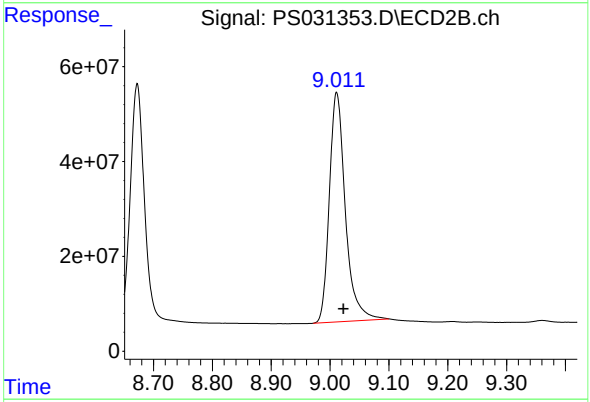
#9 2,4-D

R.T.: 8.431 min
Delta R.T.: -0.014 min
Response: 2044135998
Conc: 788.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

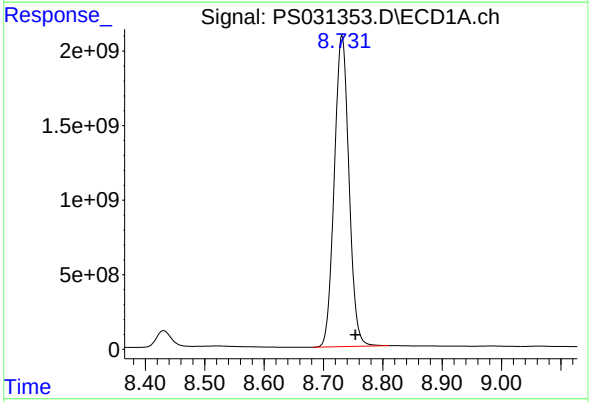
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



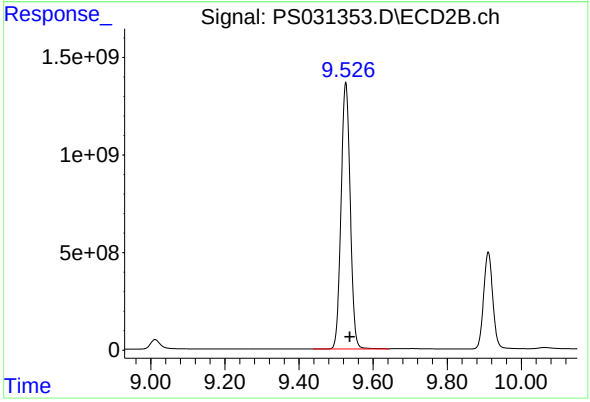
#9 2,4-D

R.T.: 9.011 min
Delta R.T.: -0.012 min
Response: 916391755
Conc: 656.66 ng/ml



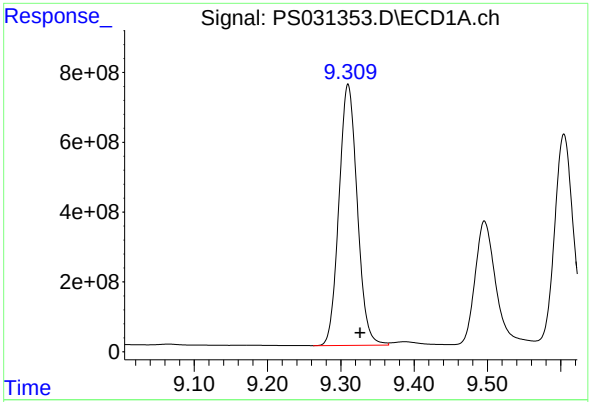
#10 Pentachlorophenol

R.T.: 8.731 min
Delta R.T.: -0.023 min
Response: 35816281818
Conc: 787.54 ng/ml m



#10 Pentachlorophenol

R.T.: 9.526 min
Delta R.T.: -0.011 min
Response: 23466296490
Conc: 700.56 ng/ml



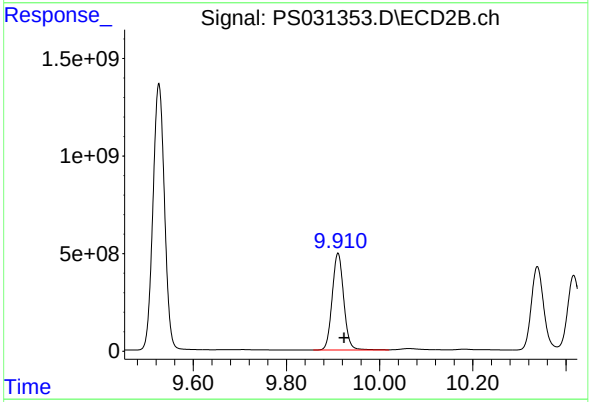
#11 2,4,5-TP (SILVEX)

R.T.: 9.310 min
Delta R.T.: -0.016 min
Response: 12953318276
Conc: 777.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

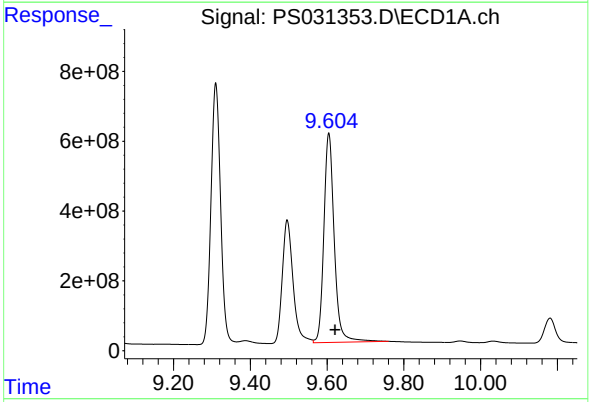
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



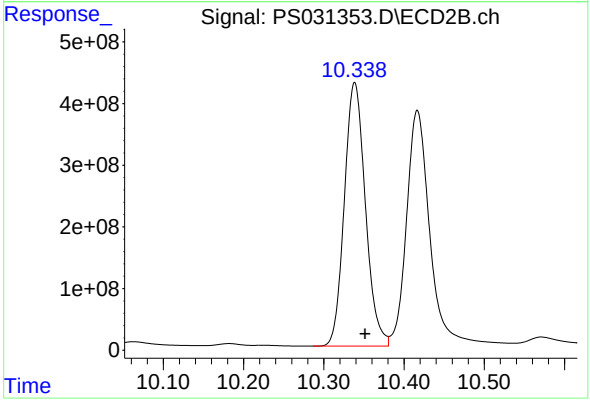
#11 2,4,5-TP (SILVEX)

R.T.: 9.911 min
Delta R.T.: -0.013 min
Response: 8532729309
Conc: 671.72 ng/ml



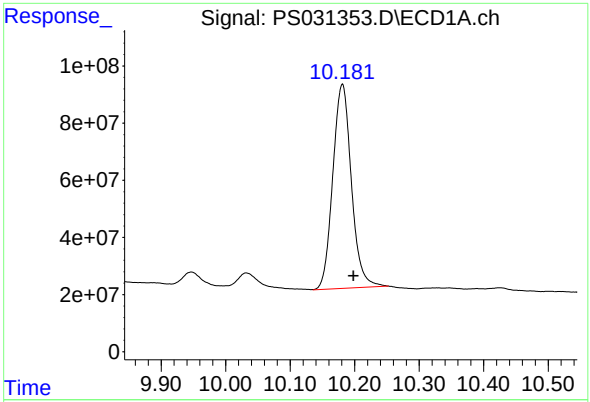
#12 2,4,5-T

R.T.: 9.604 min
Delta R.T.: -0.016 min
Response: 11246629278
Conc: 845.56 ng/ml



#12 2,4,5-T

R.T.: 10.339 min
Delta R.T.: -0.013 min
Response: 7804963088
Conc: 669.11 ng/ml



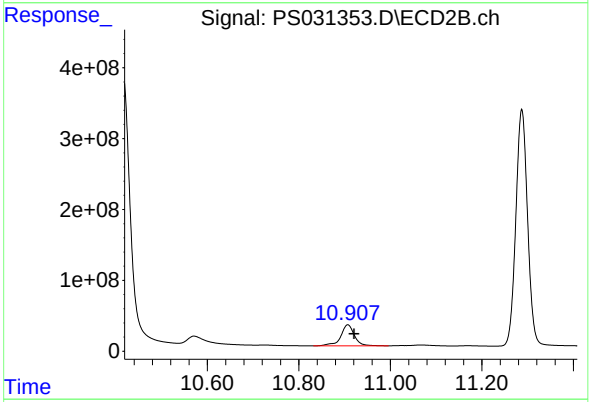
#13 2,4-DB

R.T.: 10.181 min
Delta R.T.: -0.017 min
Response: 1429760498
Conc: 818.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

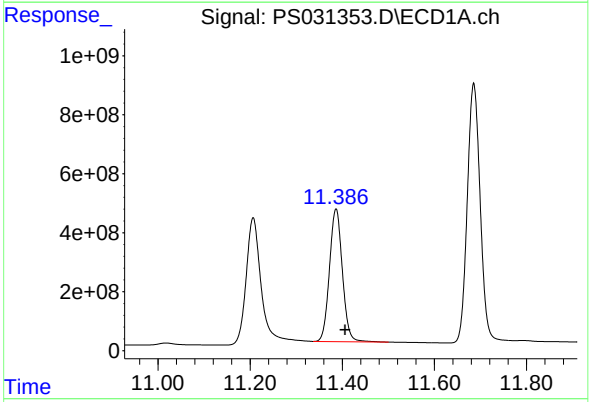
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



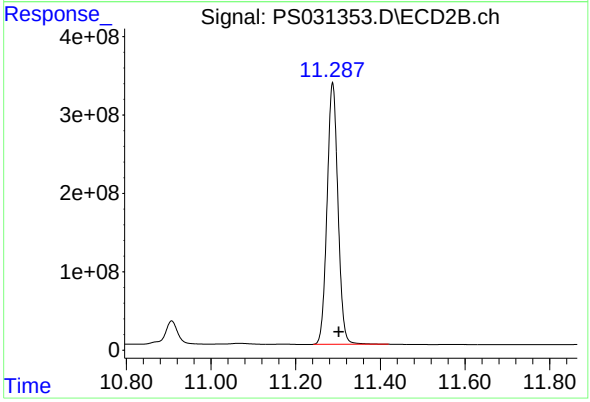
#13 2,4-DB

R.T.: 10.907 min
Delta R.T.: -0.014 min
Response: 620234855
Conc: 642.16 ng/ml



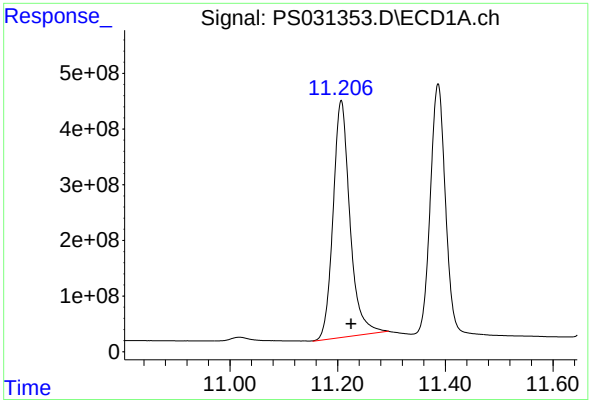
#14 DINOSEB

R.T.: 11.386 min
Delta R.T.: -0.020 min
Response: 8725030902
Conc: 761.11 ng/ml



#14 DINOSEB

R.T.: 11.287 min
Delta R.T.: -0.015 min
Response: 5947339918
Conc: 636.76 ng/ml



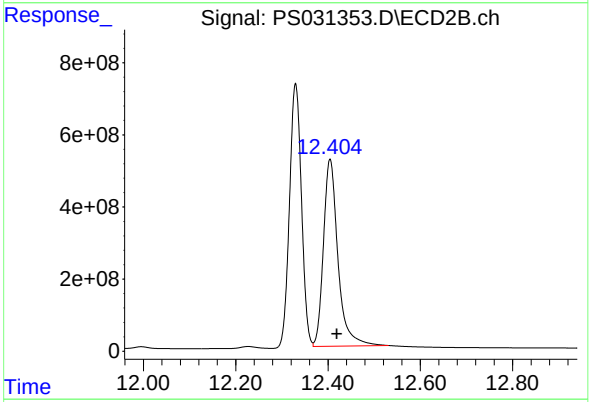
#15 Picloram

R.T.: 11.206 min
Delta R.T.: -0.019 min
Response: 9247768135
Conc: 789.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

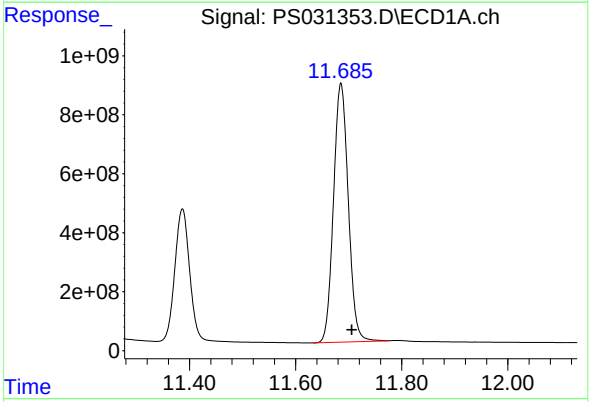
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



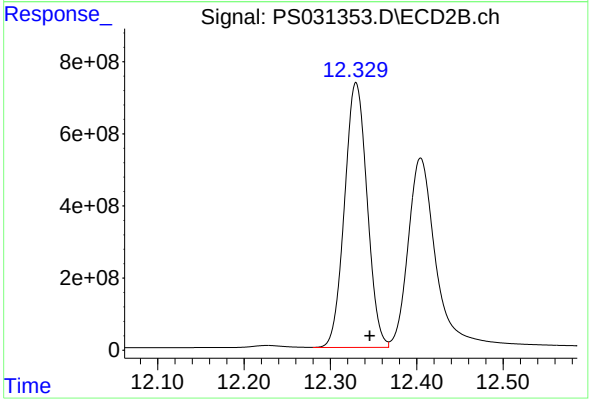
#15 Picloram

R.T.: 12.404 min
Delta R.T.: -0.014 min
Response: 11305593335
Conc: 661.34 ng/ml



#16 DCPA

R.T.: 11.685 min
Delta R.T.: -0.021 min
Response: 16980684187
Conc: 818.89 ng/ml m



#16 DCPA

R.T.: 12.329 min
Delta R.T.: -0.016 min
Response: 13312328493
Conc: 713.73 ng/ml m

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.:** Q2747

Continuing Calib Date: 08/04/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 18:11 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.49	7.50	7.40	7.60	0.01
2,4-DCAA	7.30	7.32	7.22	7.42	0.02
Dalapon	2.68	2.69	2.59	2.79	0.01
DICHLORPROP	8.20	8.21	8.11	8.31	0.01
2,4-D	8.43	8.45	8.35	8.55	0.02
2,4,5-TP(Silvex)	9.31	9.33	9.23	9.43	0.02
2,4,5-T	9.60	9.62	9.52	9.72	0.02
2,4-DB	10.18	10.20	10.10	10.30	0.02
Dinoseb	11.39	11.41	11.31	11.51	0.02

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/04/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 18:11 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.97	7.87	8.07	0.02
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	8.67	8.69	8.59	8.79	0.02
2,4-D	9.01	9.03	8.93	9.13	0.02
2,4,5-TP(Silvex)	9.91	9.92	9.82	10.02	0.01
2,4,5-T	10.34	10.35	10.25	10.45	0.01
2,4-DB	10.91	10.92	10.82	11.02	0.01
Dinoseb	11.29	11.30	11.20	11.40	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.:** Q2747

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031358.D **Time Analyzed:** 18:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.604	9.521	9.721	753.780	712.500	5.8
2,4,5-TP(Silvex)	9.310	9.227	9.427	705.390	712.500	-1.0
2,4-D	8.431	8.346	8.546	715.860	705.000	1.5
2,4-DB	10.181	10.099	10.299	766.710	712.500	7.6
2,4-DCAA	7.302	7.215	7.415	728.930	750.000	-2.8
Dalapon	2.681	2.591	2.791	611.150	682.500	-10.5
DICAMBA	7.488	7.403	7.603	660.430	705.000	-6.3
DICHLORPROP	8.198	8.113	8.313	652.500	705.000	-7.4
Dinoseb	11.385	11.307	11.507	696.960	705.000	-1.1

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.:** Q2747

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031358.D **Time Analyzed:** 18:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.339	10.252	10.452	620.420	712.500	-12.9
2,4,5-TP(Silvex)	9.911	9.824	10.024	624.120	712.500	-12.4
2,4-D	9.012	8.925	9.125	611.990	705.000	-13.2
2,4-DB	10.907	10.822	11.022	603.590	712.500	-15.3
2,4-DCAA	7.755	7.666	7.866	642.540	750.000	-14.3
Dalapon	2.700	2.603	2.803	585.170	682.500	-14.3
DICAMBA	7.954	7.865	8.065	608.820	705.000	-13.6
DICHLORPROP	8.673	8.585	8.785	599.420	705.000	-15.0
Dinoseb	11.287	11.202	11.402	605.920	705.000	-14.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 18:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:46:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.302	7.755	2123.7E6	536.6E6	728.929	642.536
	Target Compounds						
1) T	Dalapon	2.681	2.700	2948.5E6	1437.3E6	611.153	585.170
2) T	3,5-DICHL...	6.467	6.704	2895.1E6	804.4E6	679.143m	622.464
3) T	4-Nitroph...	7.104	7.296	739.4E6	785.5E6	726.180	608.483
5) T	DICAMBA	7.488	7.954	8533.2E6	3300.3E6	660.433m	608.815m
6) T	MCPP	7.668	8.051	542.9E6	118.4E6	67.497m	69.237m
7) T	MCPA	7.818	8.300	654.1E6	173.4E6	66.905	66.860
8) T	DICHLORPROP	8.198	8.673	1983.6E6	779.3E6	652.503	599.418
9) T	2,4-D	8.431	9.012	1856.5E6	854.1E6	715.857	611.992
10) T	Pentachlo...	8.730	9.526	32467.8E6	21707.1E6	713.912m	648.042
11) T	2,4,5-TP ...	9.310	9.911	11752.7E6	7928.1E6	705.392	624.124
12) T	2,4,5-T	9.604	10.339	10025.8E6	7237.0E6	753.776	620.421
13) T	2,4-DB	10.181	10.907	1339.6E6	583.0E6	766.715	603.595
14) T	DINOSEB	11.385	11.287	7989.7E6	5659.3E6	696.962	605.921
15) T	Picloram	11.206	12.405	8184.0E6	10300.0E6	698.912m	602.520
16) T	DCPA	11.684	12.330	15189.0E6	12423.7E6	732.488m	666.085m

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

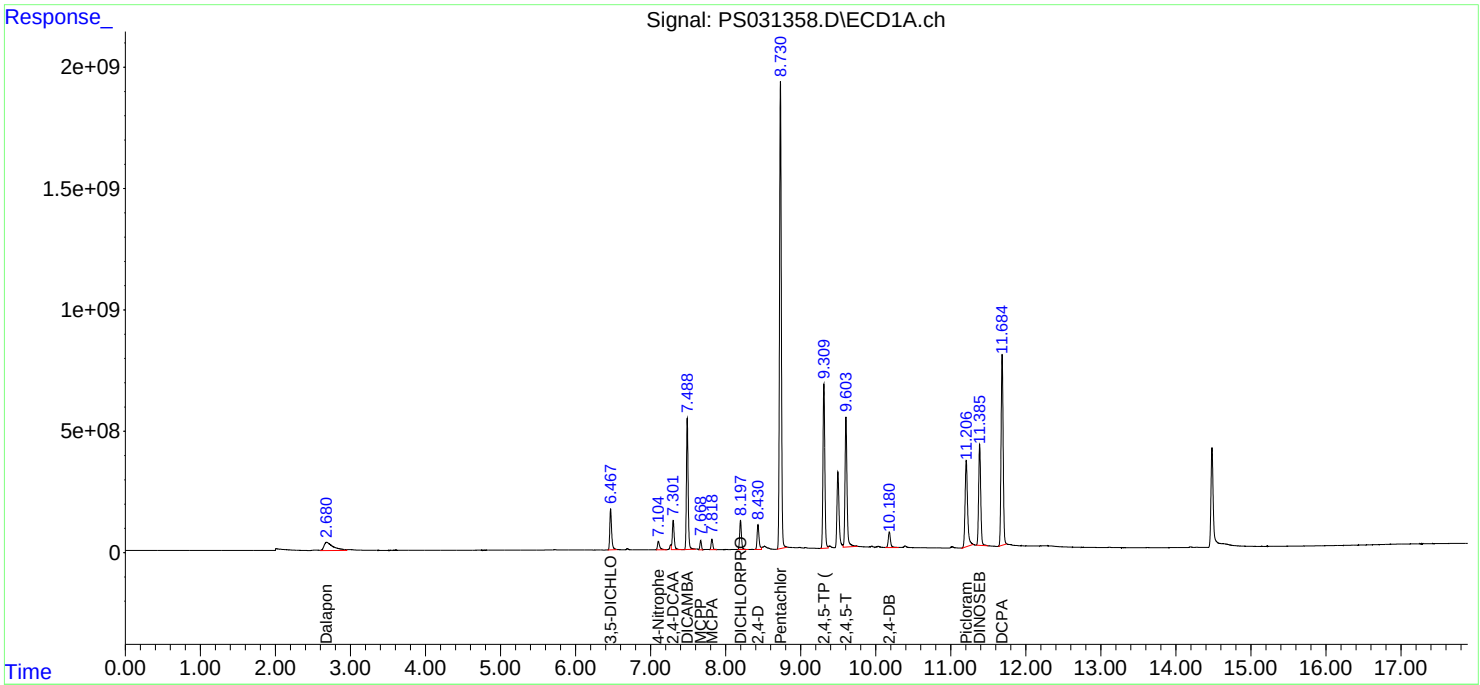
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 18:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

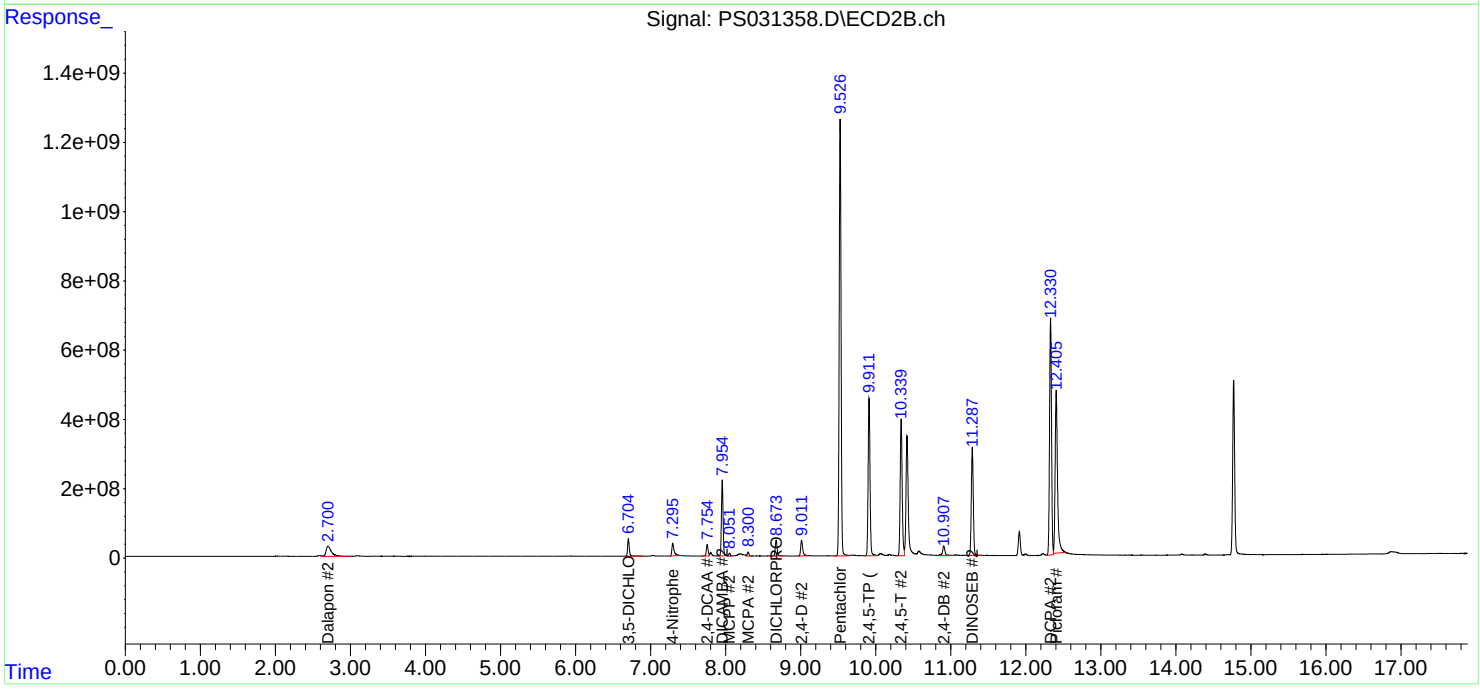
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

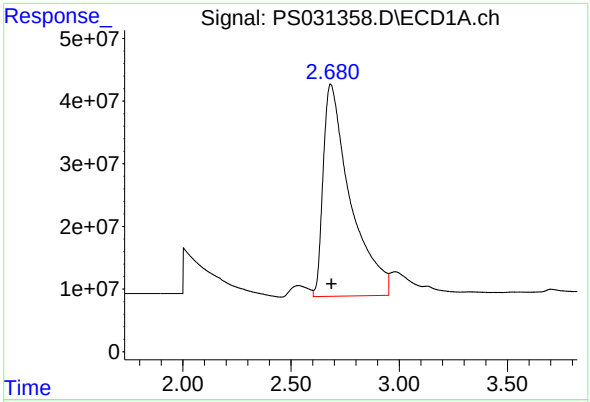
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:46:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







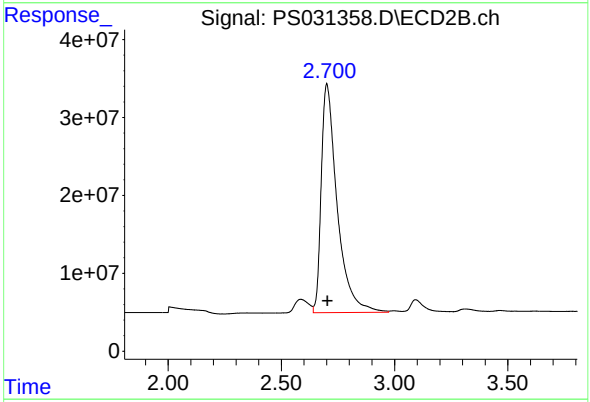
#1 Dalapon

R.T.: 2.681 min
Delta R.T.: -0.006 min
Response: 2948547071
Conc: 611.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

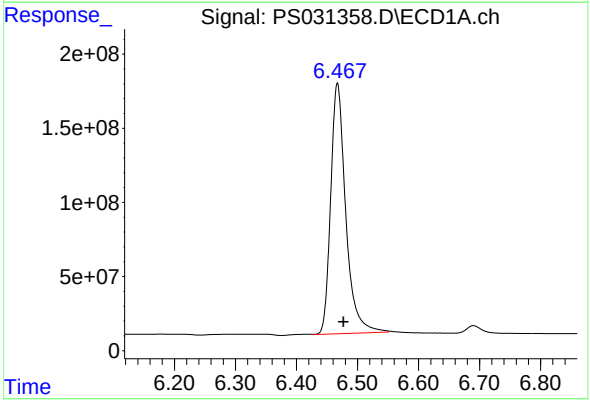
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



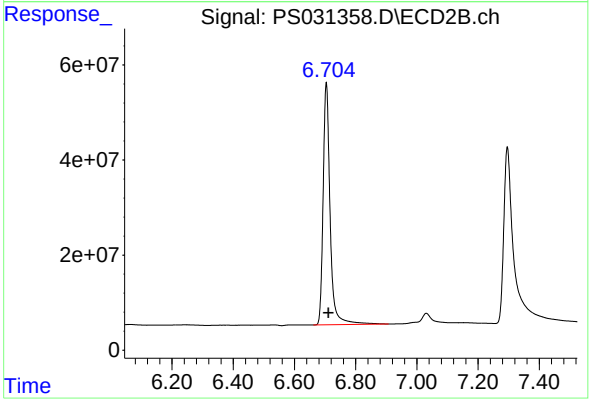
#1 Dalapon

R.T.: 2.700 min
Delta R.T.: -0.003 min
Response: 1437285055
Conc: 585.17 ng/ml



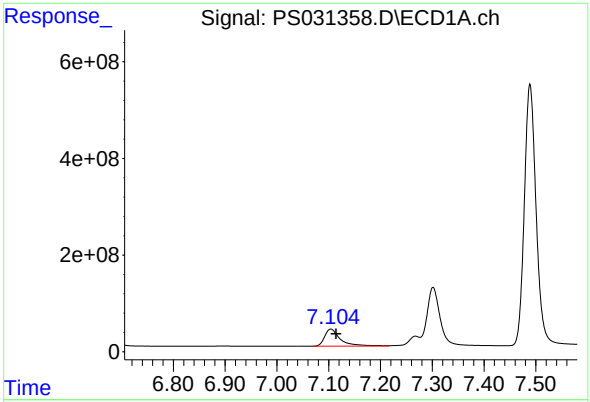
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.467 min
Delta R.T.: -0.010 min
Response: 2895139473
Conc: 679.14 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.704 min
Delta R.T.: -0.006 min
Response: 804391584
Conc: 622.46 ng/ml



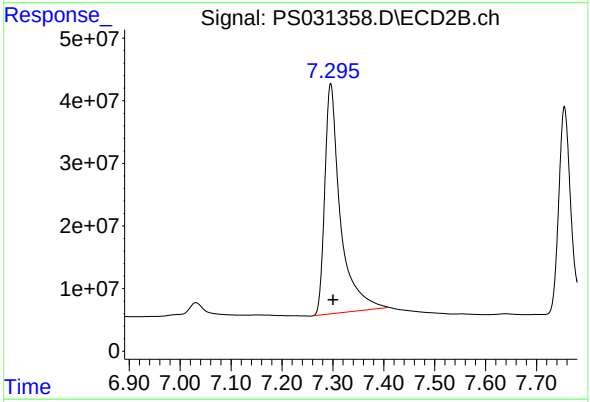
#3 4-Nitrophenol

R.T.: 7.104 min
Delta R.T.: -0.010 min
Response: 739397351
Conc: 726.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

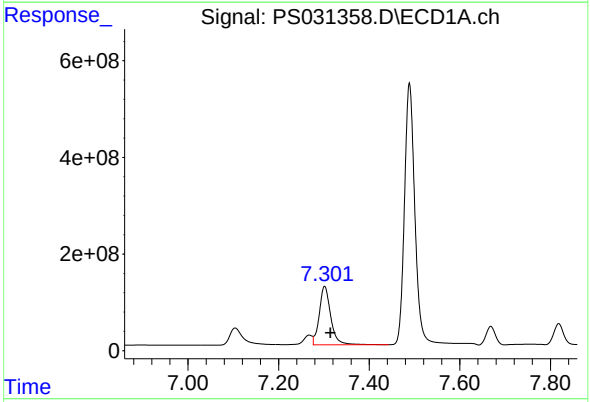
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



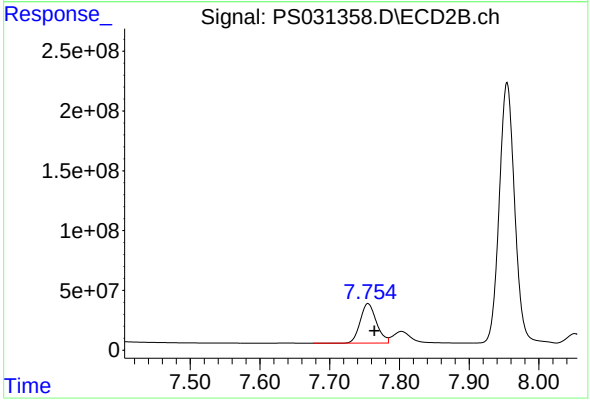
#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: -0.004 min
Response: 785498001
Conc: 608.48 ng/ml



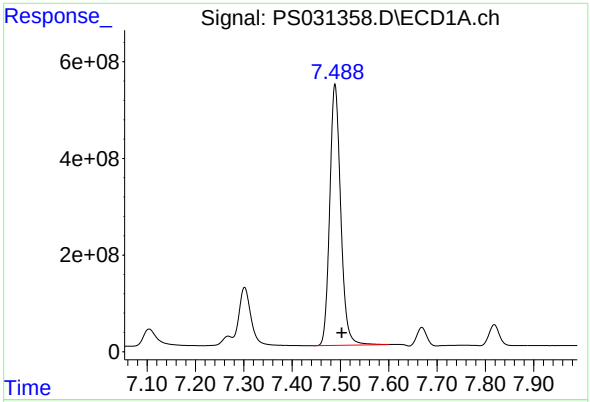
#4 2,4-DCAA

R.T.: 7.302 min
Delta R.T.: -0.013 min
Response: 2123663694
Conc: 728.93 ng/ml



#4 2,4-DCAA

R.T.: 7.755 min
Delta R.T.: -0.009 min
Response: 536569591
Conc: 642.54 ng/ml



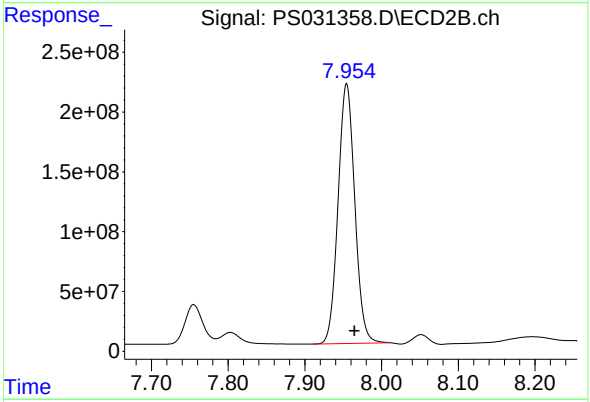
#5 DICAMBA

R.T.: 7.488 min
Delta R.T.: -0.015 min
Response: 8533189190
Conc: 660.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

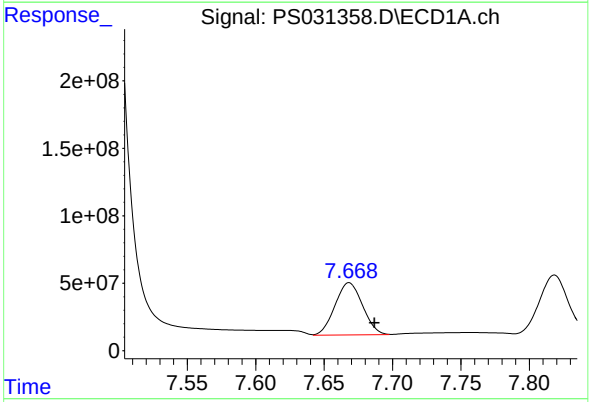
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



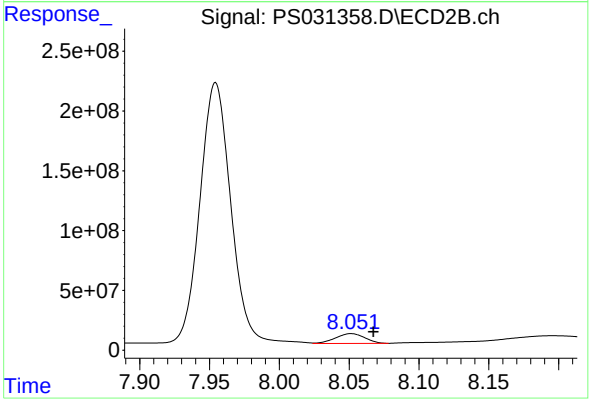
#5 DICAMBA

R.T.: 7.954 min
Delta R.T.: -0.011 min
Response: 3300293806
Conc: 608.82 ng/ml m



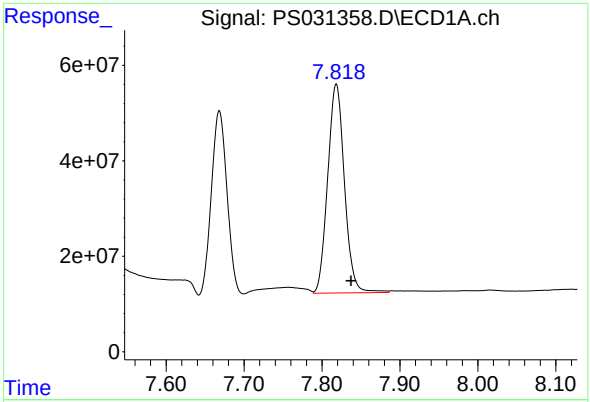
#6 MCPP

R.T.: 7.668 min
Delta R.T.: -0.019 min
Response: 542855985
Conc: 67.50 ug/ml m



#6 MCPP

R.T.: 8.051 min
Delta R.T.: -0.016 min
Response: 118352744
Conc: 69.24 ug/ml m



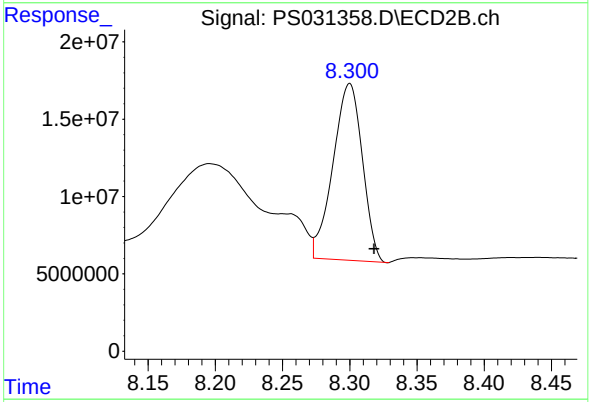
#7 MCPA

R.T.: 7.818 min
Delta R.T.: -0.019 min
Response: 654062474
Conc: 66.91 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

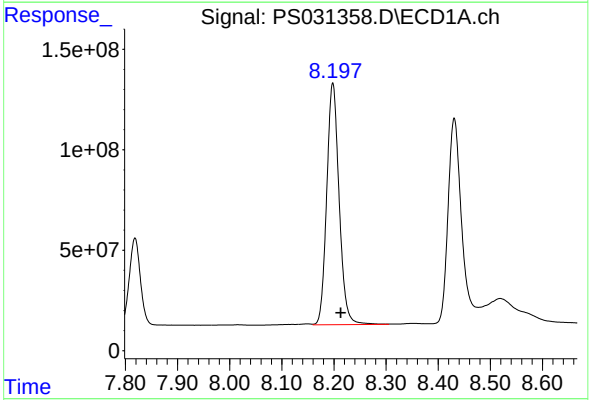
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



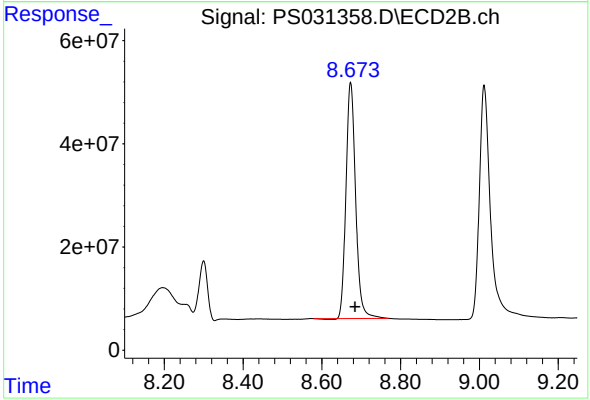
#7 MCPA

R.T.: 8.300 min
Delta R.T.: -0.018 min
Response: 173431328
Conc: 66.86 ug/ml



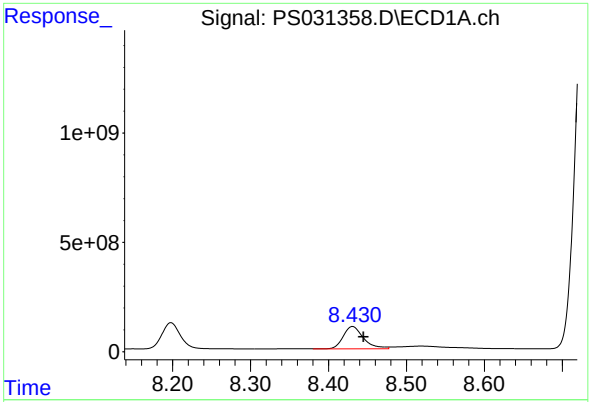
#8 DICHLORPROP

R.T.: 8.198 min
Delta R.T.: -0.015 min
Response: 1983616334
Conc: 652.50 ng/ml



#8 DICHLORPROP

R.T.: 8.673 min
Delta R.T.: -0.012 min
Response: 779278304
Conc: 599.42 ng/ml



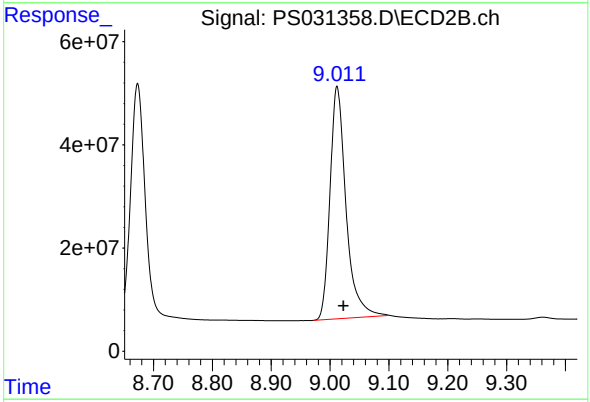
#9 2,4-D

R.T.: 8.431 min
Delta R.T.: -0.014 min
Response: 1856459591
Conc: 715.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

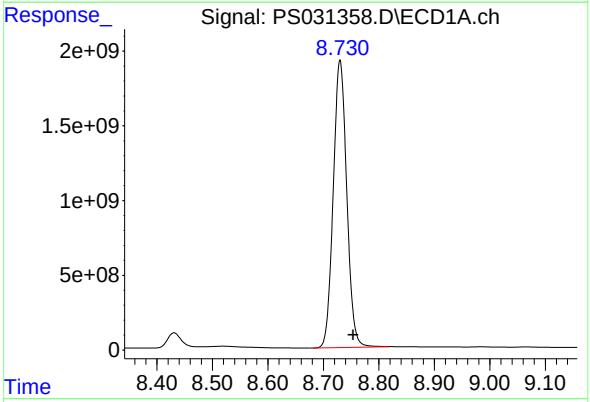
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



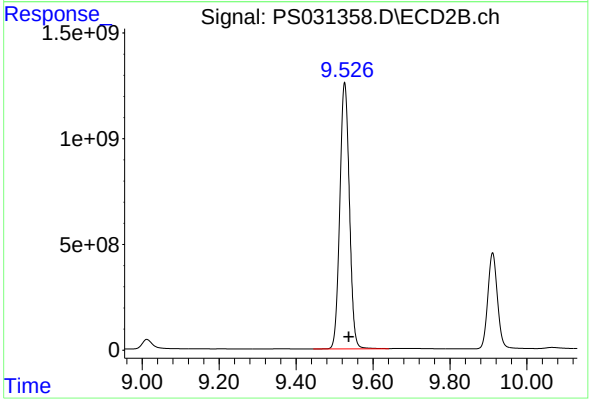
#9 2,4-D

R.T.: 9.012 min
Delta R.T.: -0.011 min
Response: 854054062
Conc: 611.99 ng/ml



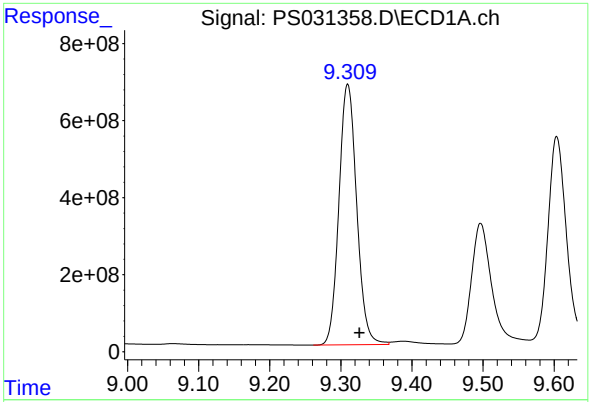
#10 Pentachlorophenol

R.T.: 8.730 min
Delta R.T.: -0.024 min
Response: 32467843770
Conc: 713.91 ng/ml m



#10 Pentachlorophenol

R.T.: 9.526 min
Delta R.T.: -0.011 min
Response: 21707068001
Conc: 648.04 ng/ml



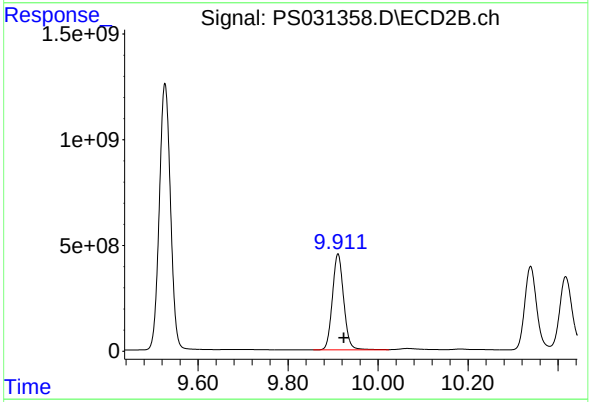
#11 2,4,5-TP (SILVEX)

R.T.: 9.310 min
Delta R.T.: -0.017 min
Response: 11752719725
Conc: 705.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

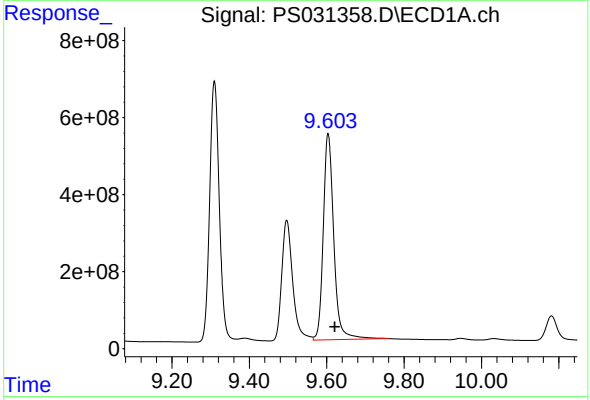
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



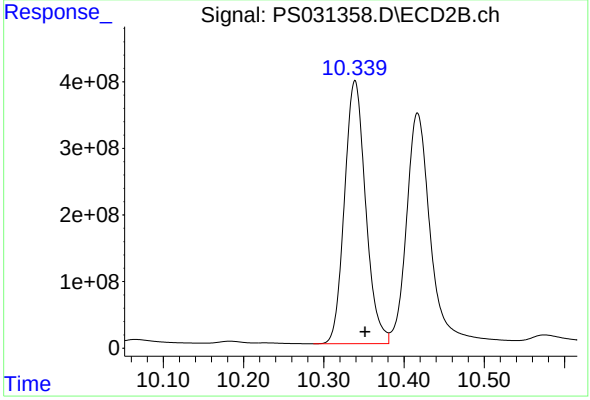
#11 2,4,5-TP (SILVEX)

R.T.: 9.911 min
Delta R.T.: -0.013 min
Response: 7928120811
Conc: 624.12 ng/ml



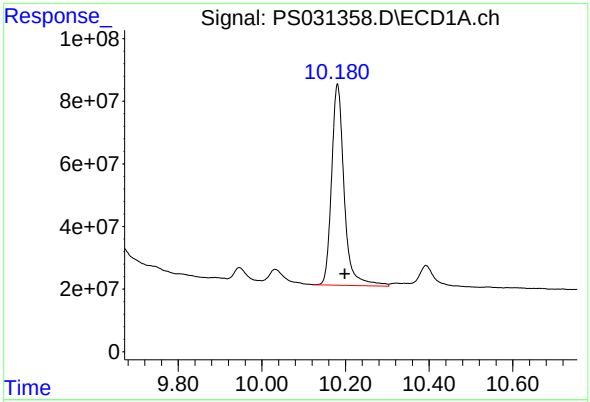
#12 2,4,5-T

R.T.: 9.604 min
Delta R.T.: -0.017 min
Response: 10025771411
Conc: 753.78 ng/ml



#12 2,4,5-T

R.T.: 10.339 min
Delta R.T.: -0.013 min
Response: 7237008393
Conc: 620.42 ng/ml



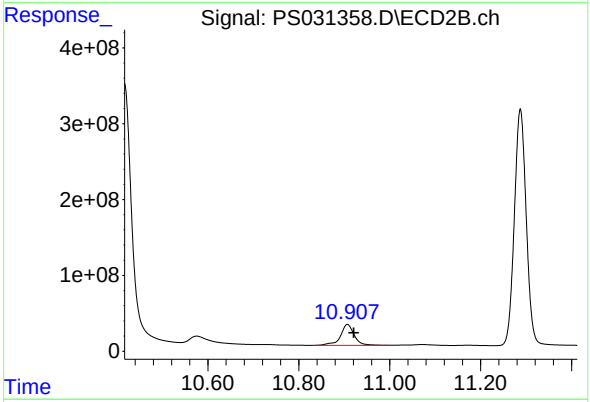
#13 2,4-DB

R.T.: 10.181 min
Delta R.T.: -0.017 min
Response: 1339645650
Conc: 766.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

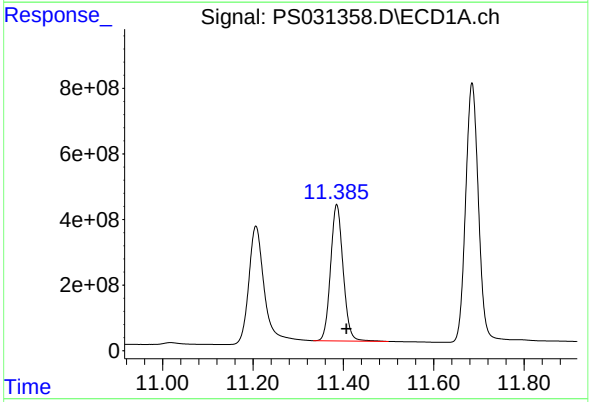
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



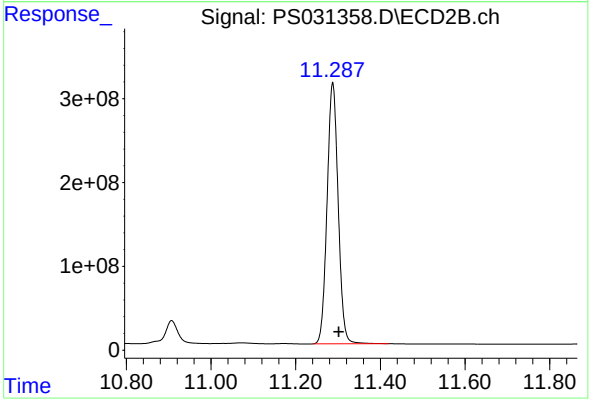
#13 2,4-DB

R.T.: 10.907 min
Delta R.T.: -0.014 min
Response: 582985319
Conc: 603.59 ng/ml



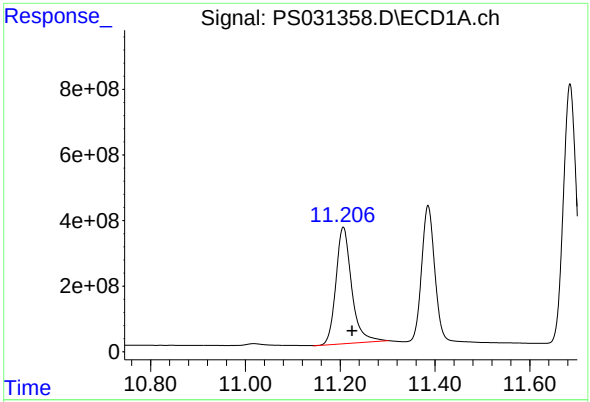
#14 DINOSEB

R.T.: 11.385 min
Delta R.T.: -0.021 min
Response: 7989654289
Conc: 696.96 ng/ml



#14 DINOSEB

R.T.: 11.287 min
Delta R.T.: -0.015 min
Response: 5659259058
Conc: 605.92 ng/ml



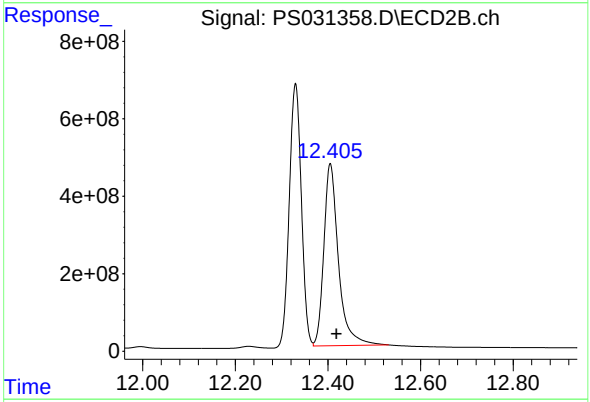
#15 Picloram

R.T.: 11.206 min
Delta R.T.: -0.019 min
Response: 8184005272
Conc: 698.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

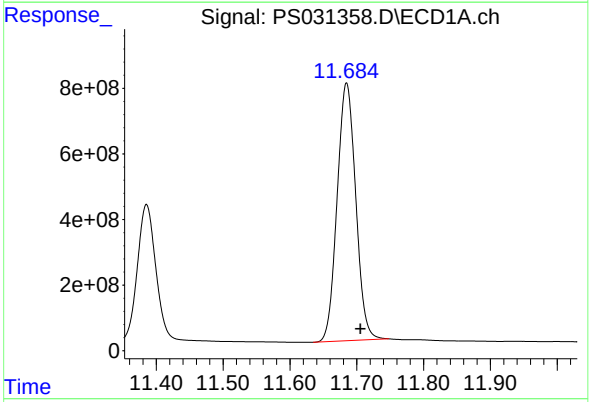
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



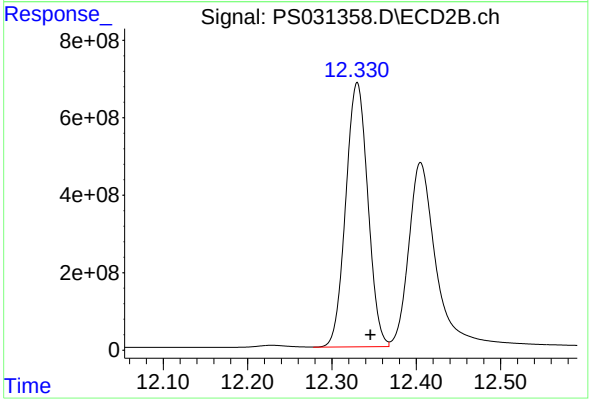
#15 Picloram

R.T.: 12.405 min
Delta R.T.: -0.013 min
Response: 10300029634
Conc: 602.52 ng/ml



#16 DCPA

R.T.: 11.684 min
Delta R.T.: -0.021 min
Response: 15188959176
Conc: 732.49 ng/ml m



#16 DCPA

R.T.: 12.330 min
Delta R.T.: -0.016 min
Response: 12423666682
Conc: 666.09 ng/ml m

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.:** Q2747

Continuing Calib Date: 08/04/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 22:13 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.49	7.50	7.40	7.60	0.01
2,4-DCAA	7.30	7.32	7.22	7.42	0.02
Dalapon	2.68	2.69	2.59	2.79	0.01
DICHLORPROP	8.20	8.21	8.11	8.31	0.02
2,4-D	8.43	8.45	8.35	8.55	0.02
2,4,5-TP(Silvex)	9.31	9.33	9.23	9.43	0.02
2,4,5-T	9.60	9.62	9.52	9.72	0.02
2,4-DB	10.18	10.20	10.10	10.30	0.02
Dinoseb	11.38	11.41	11.31	11.51	0.03

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/04/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 22:13 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.97	7.87	8.07	0.02
2,4-DCAA	7.75	7.77	7.67	7.87	0.02
Dalapon	2.70	2.70	2.60	2.80	0.00
DICHLORPROP	8.67	8.69	8.59	8.79	0.02
2,4-D	9.01	9.03	8.93	9.13	0.02
2,4,5-TP(Silvex)	9.91	9.92	9.82	10.02	0.01
2,4,5-T	10.34	10.35	10.25	10.45	0.01
2,4-DB	10.91	10.92	10.82	11.02	0.02
Dinoseb	11.29	11.30	11.20	11.40	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031368.D **Time Analyzed:** 22:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.602	9.521	9.721	772.840	712.500	8.5
2,4,5-TP(Silvex)	9.307	9.227	9.427	706.090	712.500	-0.9
2,4-D	8.429	8.346	8.546	721.970	705.000	2.4
2,4-DB	10.177	10.099	10.299	765.030	712.500	7.4
2,4-DCAA	7.300	7.215	7.415	723.560	750.000	-3.5
Dalapon	2.684	2.591	2.791	603.110	682.500	-11.6
DICAMBA	7.486	7.403	7.603	654.160	705.000	-7.2
DICHLORPROP	8.195	8.113	8.313	652.280	705.000	-7.5
Dinoseb	11.383	11.307	11.507	681.050	705.000	-3.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/04/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031368.D **Time Analyzed:** 22:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.337	10.252	10.452	632.240	712.500	-11.3
2,4,5-TP(Silvex)	9.909	9.824	10.024	630.470	712.500	-11.5
2,4-D	9.011	8.925	9.125	621.180	705.000	-11.9
2,4-DB	10.905	10.822	11.022	612.940	712.500	-14.0
2,4-DCAA	7.753	7.666	7.866	651.950	750.000	-13.1
Dalapon	2.701	2.603	2.803	593.390	682.500	-13.1
DICAMBA	7.953	7.865	8.065	618.890	705.000	-12.2
DICHLORPROP	8.672	8.585	8.785	610.630	705.000	-13.4
Dinoseb	11.285	11.202	11.402	599.070	705.000	-15.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 22:13
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:49:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.300	7.753	2108.0E6	544.4E6	723.559	651.951
	Target Compounds						
1) T	Dalapon	2.684	2.701	2909.8E6	1457.5E6	603.115	593.386
2) T	3,5-DICHL...	6.465	6.703	2890.3E6	801.4E6	678.006m	620.187
3) T	4-Nitroph...	7.102	7.295	740.6E6	767.0E6	727.333	594.147
5) T	DICAMBA	7.486	7.953	8452.2E6	3354.9E6	654.164m	618.885m
6) T	MCPP	7.666	8.050	542.2E6	115.0E6	67.415m	67.268m
7) T	MCPA	7.816	8.299	652.4E6	174.1E6	66.735	67.129
8) T	DICHLORPROP	8.195	8.672	1982.9E6	793.9E6	652.277	610.632
9) T	2,4-D	8.429	9.011	1872.3E6	866.9E6	721.968	621.183
10) T	Pentachlo...	8.728	9.524	32216.1E6	21917.0E6	708.377m	654.308
11) T	2,4,5-TP ...	9.307	9.909	11764.3E6	8008.8E6	706.089	630.473
12) T	2,4,5-T	9.602	10.337	10279.4E6	7374.9E6	772.841	632.243
13) T	2,4-DB	10.177	10.905	1336.7E6	592.0E6	765.025m	612.936
14) T	DINOSEB	11.383	11.285	7807.3E6	5595.2E6	681.053	599.067
15) T	Picloram	11.203	12.402	8711.9E6	10902.5E6	743.994m	637.762
16) T	DCPA	11.680	12.327	15339.3E6	12288.2E6	739.736m	658.823m

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

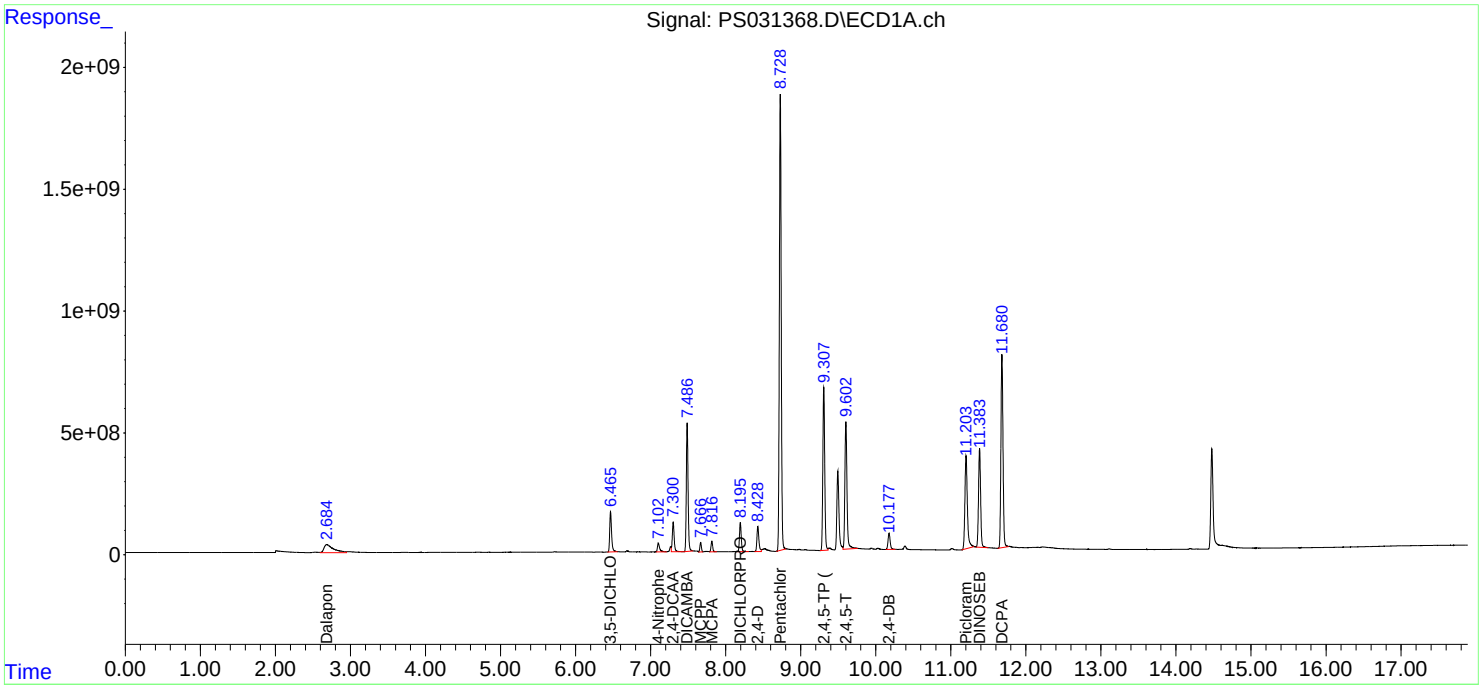
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 22:13
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

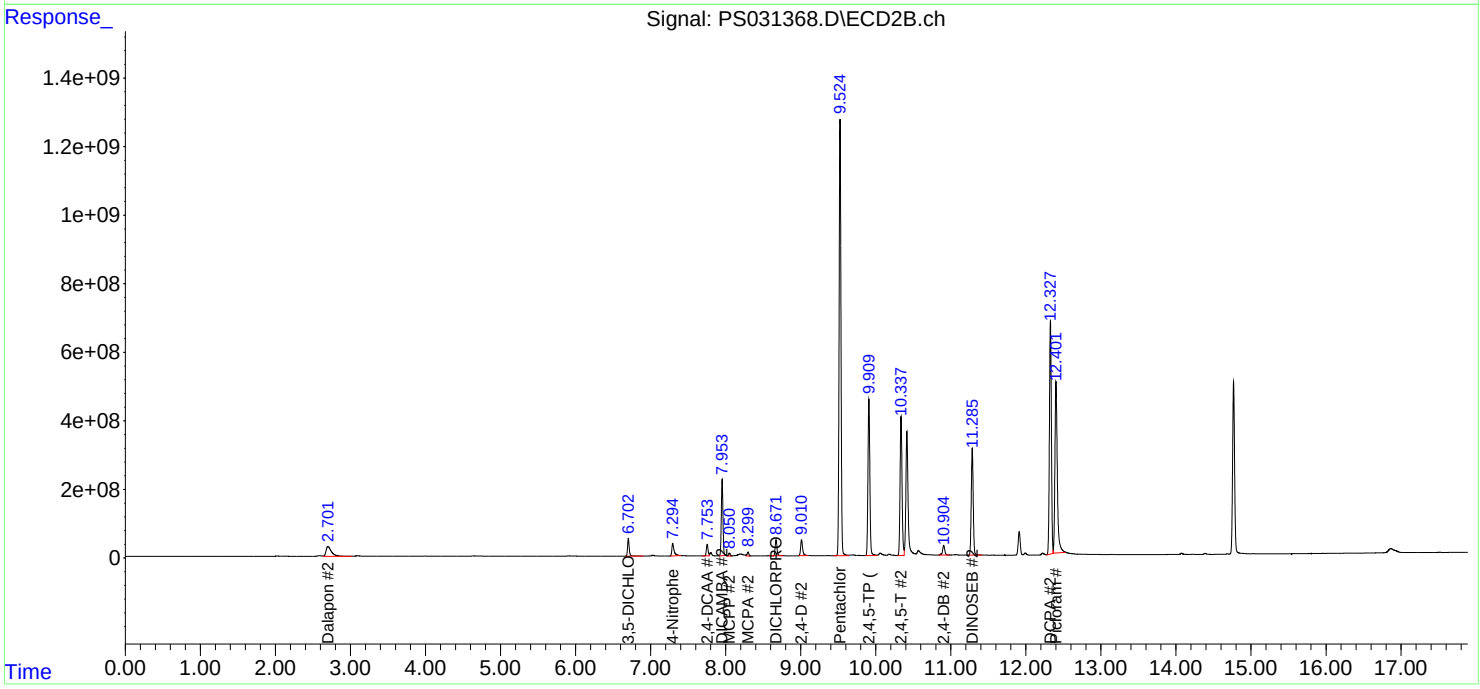
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

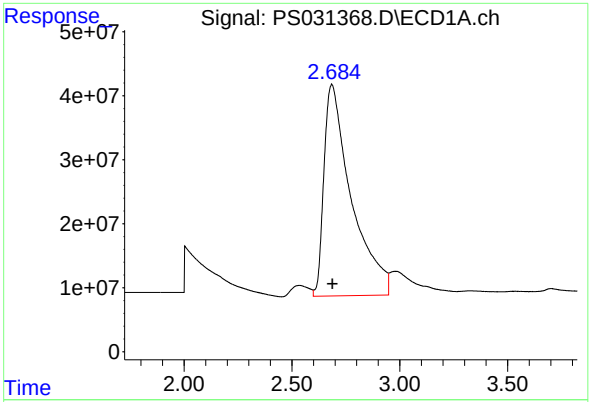
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:49:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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.: 2.684 min
Delta R.T.: -0.003 min
Response: 2909763241
Conc: 603.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
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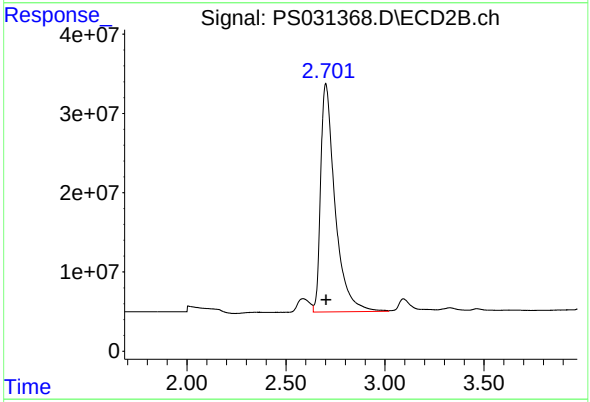
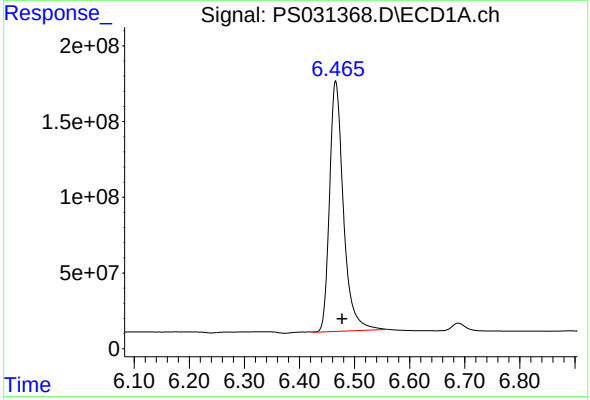


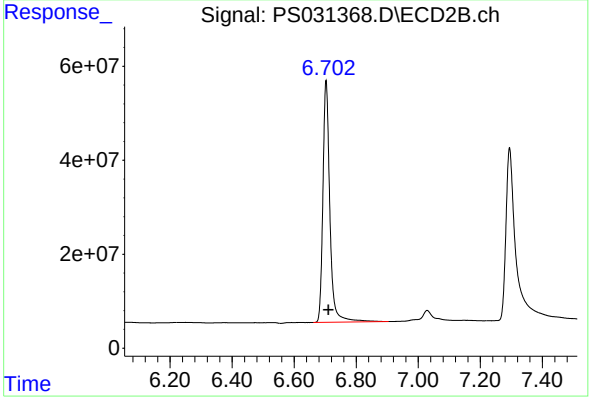
#1 Dalapon

R.T.: 2.701 min
Delta R.T.: -0.002 min
Response: 1457467155
Conc: 593.39 ng/ml



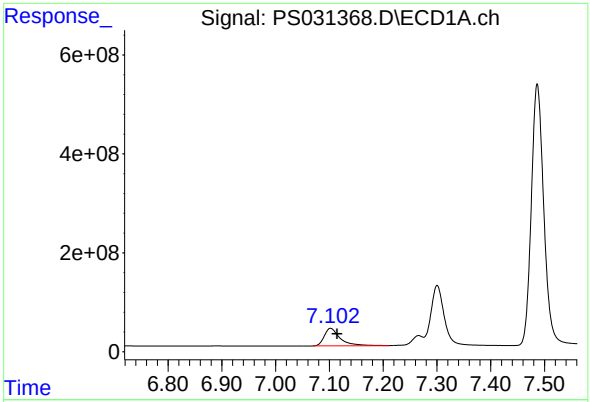
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.465 min
Delta R.T.: -0.012 min
Response: 2890292391
Conc: 678.01 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.703 min
Delta R.T.: -0.008 min
Response: 801449195
Conc: 620.19 ng/ml



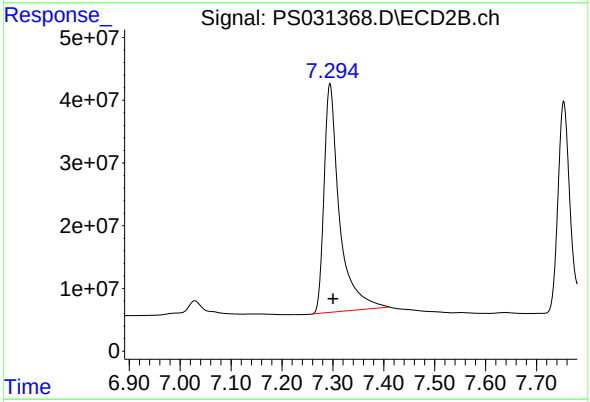
#3 4-Nitrophenol

R.T.: 7.102 min
Delta R.T.: -0.012 min
Response: 740571045
Conc: 727.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

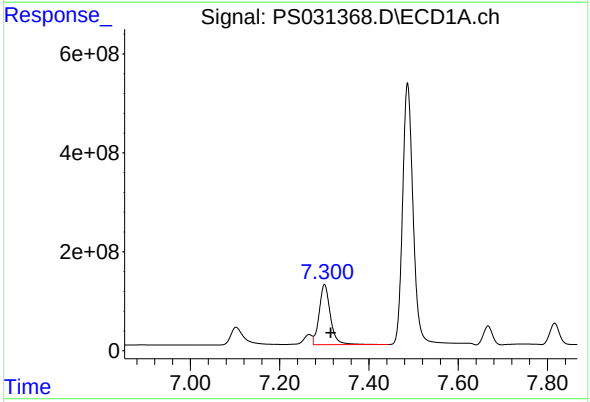
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



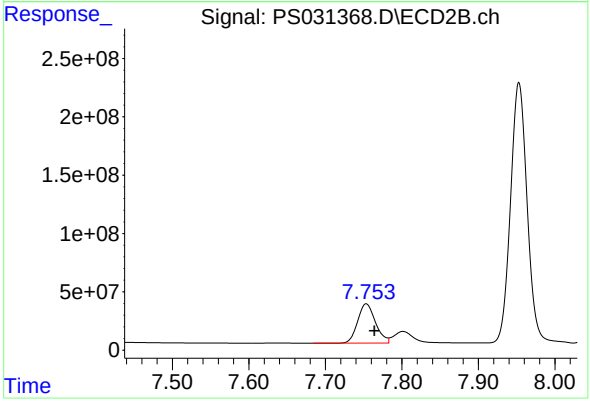
#3 4-Nitrophenol

R.T.: 7.295 min
Delta R.T.: -0.006 min
Response: 766991300
Conc: 594.15 ng/ml



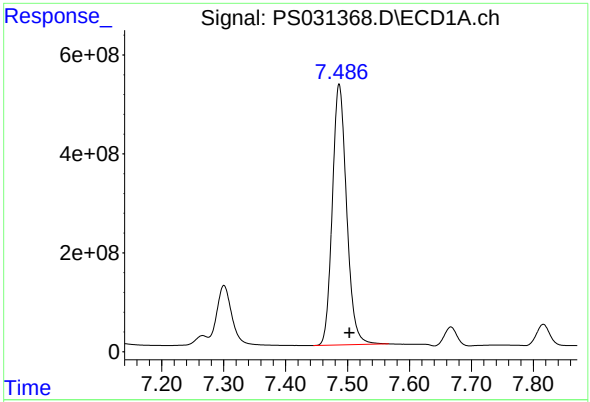
#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.014 min
Response: 2108018699
Conc: 723.56 ng/ml



#4 2,4-DCAA

R.T.: 7.753 min
Delta R.T.: -0.011 min
Response: 544431981
Conc: 651.95 ng/ml



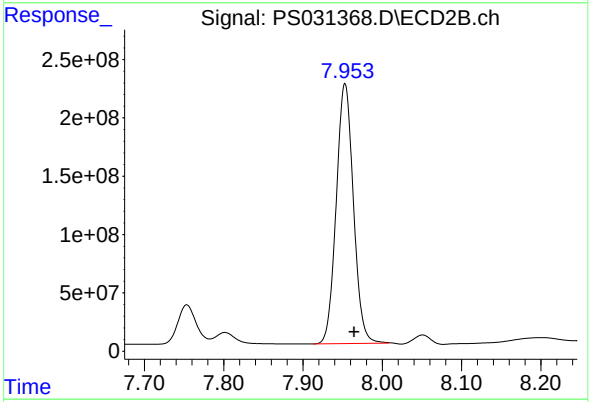
#5 DICAMBA

R.T.: 7.486 min
Delta R.T.: -0.017 min
Response: 8452180716
Conc: 654.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

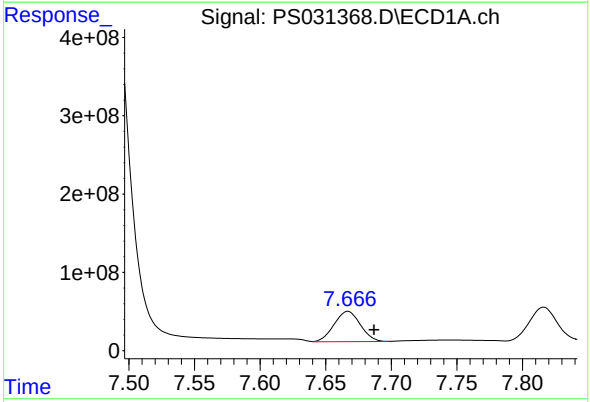
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



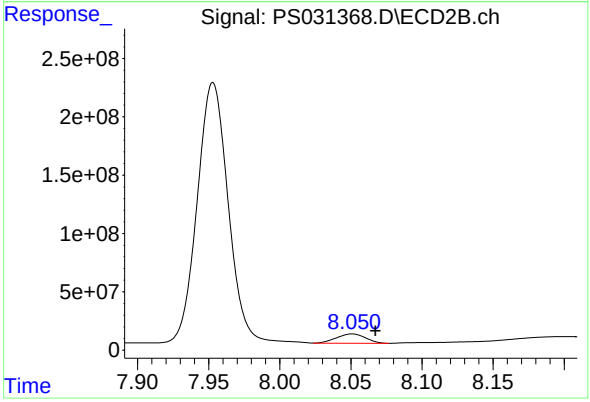
#5 DICAMBA

R.T.: 7.953 min
Delta R.T.: -0.012 min
Response: 3354881409
Conc: 618.89 ng/ml m



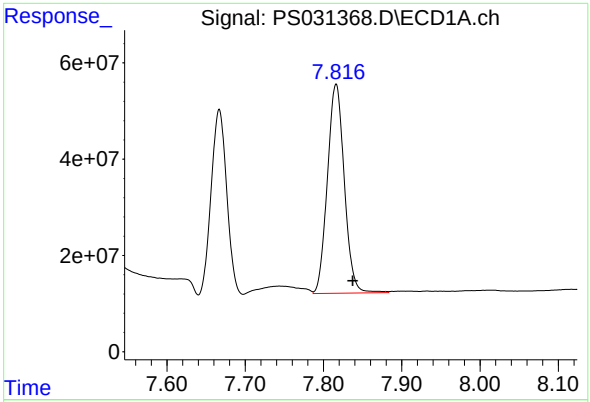
#6 MCPP

R.T.: 7.666 min
Delta R.T.: -0.020 min
Response: 542196293
Conc: 67.41 ug/ml m



#6 MCPP

R.T.: 8.050 min
Delta R.T.: -0.017 min
Response: 114986515
Conc: 67.27 ug/ml m



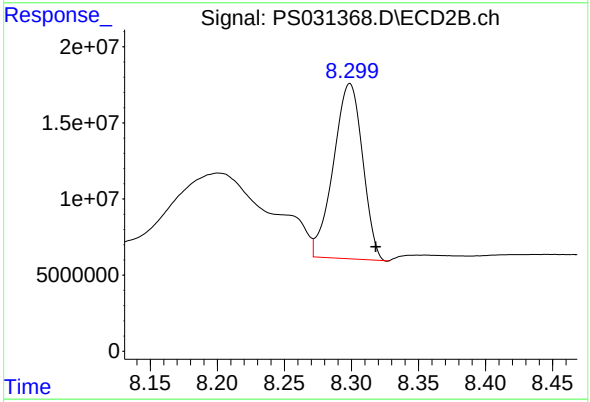
#7 MCPA

R.T.: 7.816 min
Delta R.T.: -0.021 min
Response: 652396817
Conc: 66.73 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

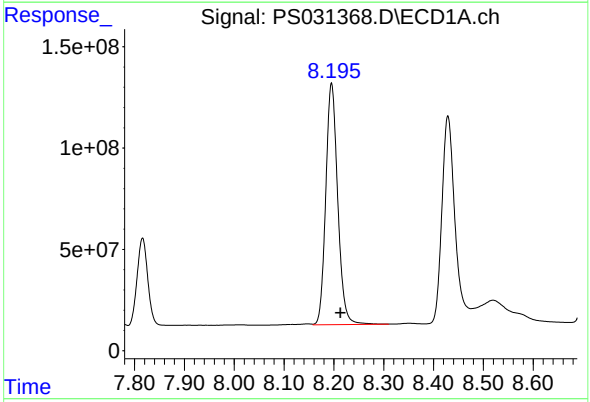
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



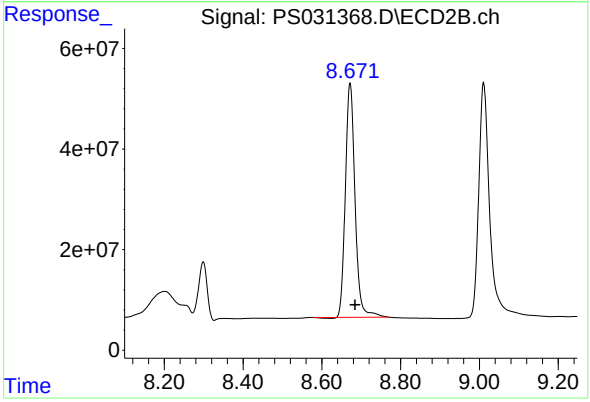
#7 MCPA

R.T.: 8.299 min
Delta R.T.: -0.019 min
Response: 174128943
Conc: 67.13 ug/ml



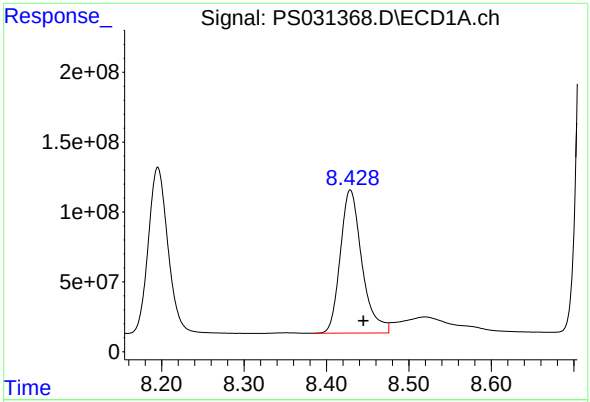
#8 DICHLORPROP

R.T.: 8.195 min
Delta R.T.: -0.018 min
Response: 1982928768
Conc: 652.28 ng/ml



#8 DICHLORPROP

R.T.: 8.672 min
Delta R.T.: -0.013 min
Response: 793856859
Conc: 610.63 ng/ml



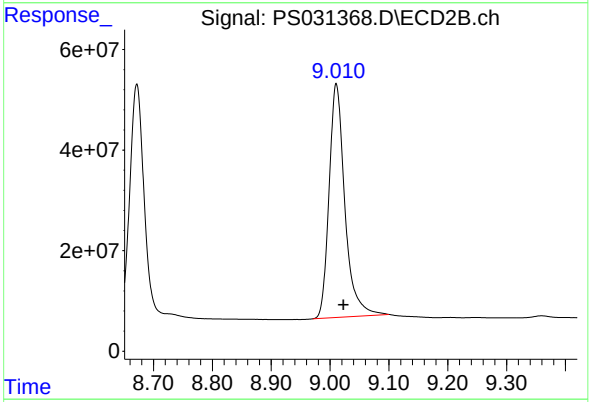
#9 2,4-D

R.T.: 8.429 min
Delta R.T.: -0.016 min
Response: 1872307670
Conc: 721.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

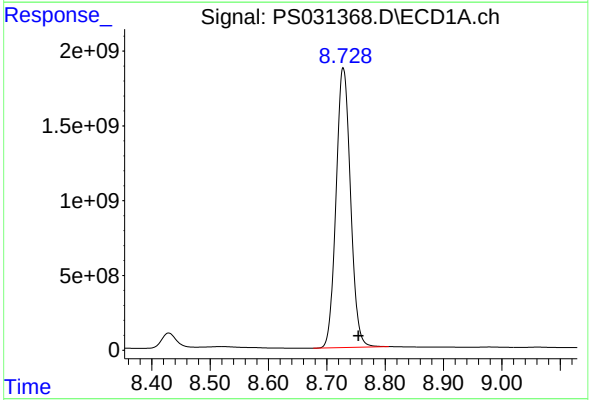
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



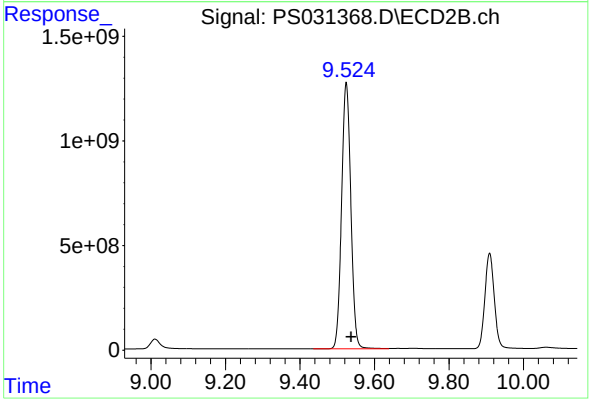
#9 2,4-D

R.T.: 9.011 min
Delta R.T.: -0.012 min
Response: 866879419
Conc: 621.18 ng/ml



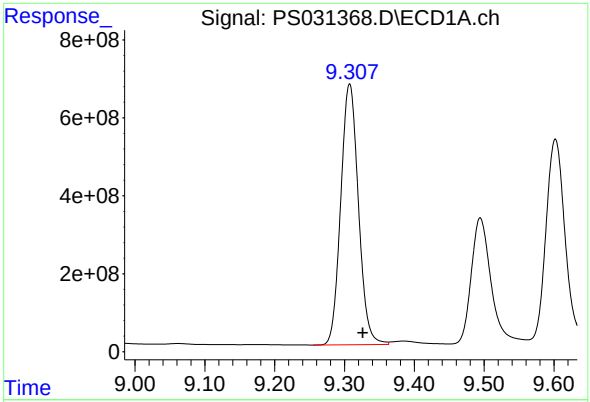
#10 Pentachlorophenol

R.T.: 8.728 min
Delta R.T.: -0.026 min
Response: 32216083589
Conc: 708.38 ng/ml m



#10 Pentachlorophenol

R.T.: 9.524 min
Delta R.T.: -0.013 min
Response: 21916952745
Conc: 654.31 ng/ml



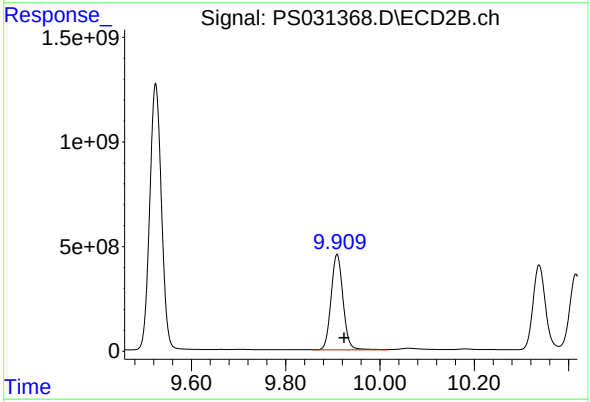
#11 2,4,5-TP (SILVEX)

R.T.: 9.307 min
Delta R.T.: -0.019 min
Response: 11764330459
Conc: 706.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

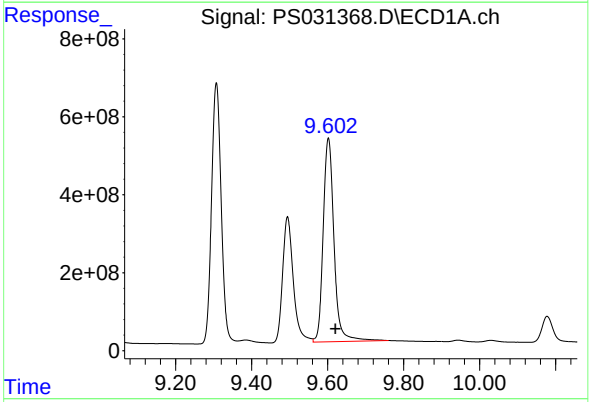
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



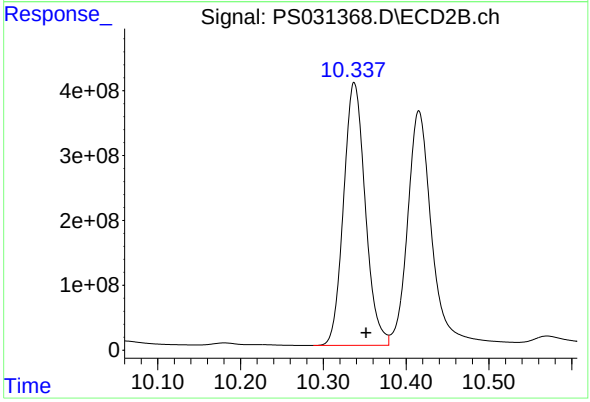
#11 2,4,5-TP (SILVEX)

R.T.: 9.909 min
Delta R.T.: -0.015 min
Response: 8008778044
Conc: 630.47 ng/ml



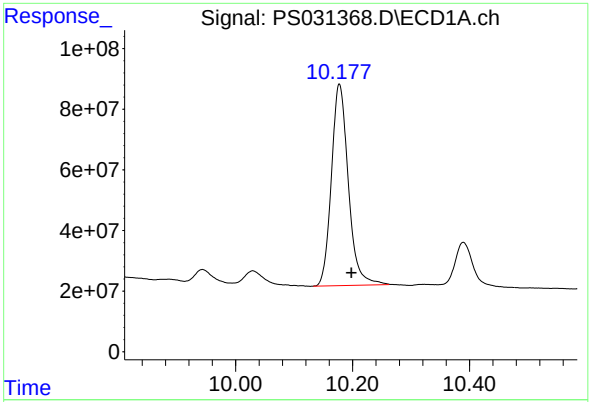
#12 2,4,5-T

R.T.: 9.602 min
Delta R.T.: -0.019 min
Response: 10279356780
Conc: 772.84 ng/ml



#12 2,4,5-T

R.T.: 10.337 min
Delta R.T.: -0.014 min
Response: 7374908905
Conc: 632.24 ng/ml



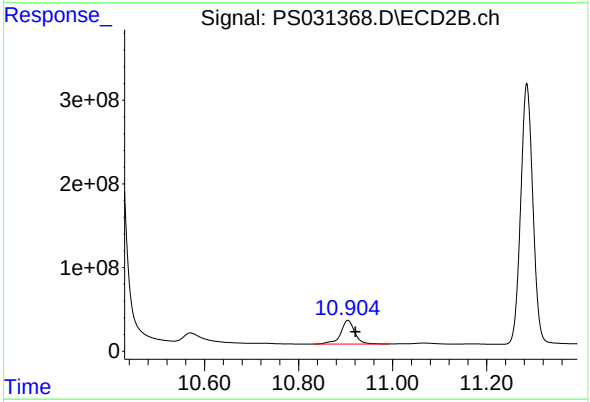
#13 2,4-DB

R.T.: 10.177 min
Delta R.T.: -0.021 min
Response: 1336693776
Conc: 765.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

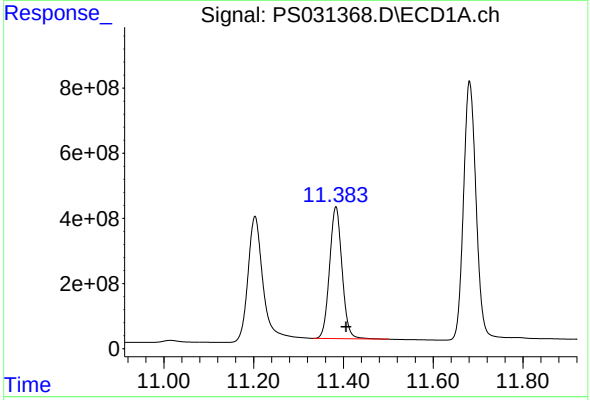
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



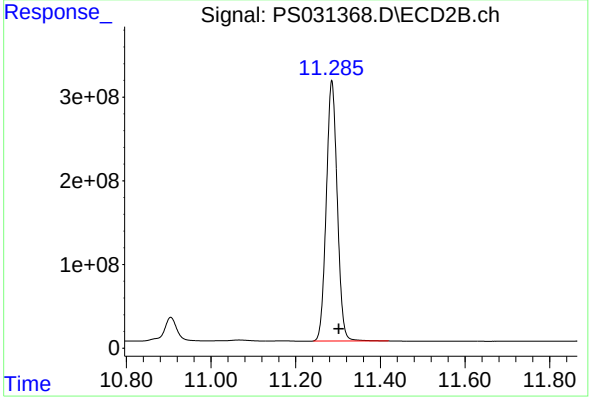
#13 2,4-DB

R.T.: 10.905 min
Delta R.T.: -0.016 min
Response: 592007964
Conc: 612.94 ng/ml



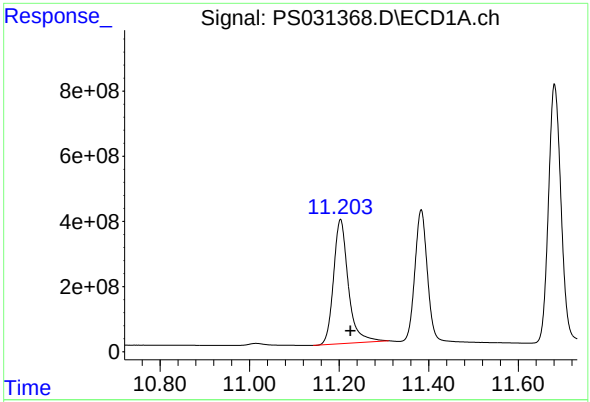
#14 DINOSEB

R.T.: 11.383 min
Delta R.T.: -0.023 min
Response: 7807285362
Conc: 681.05 ng/ml



#14 DINOSEB

R.T.: 11.285 min
Delta R.T.: -0.017 min
Response: 5595247630
Conc: 599.07 ng/ml



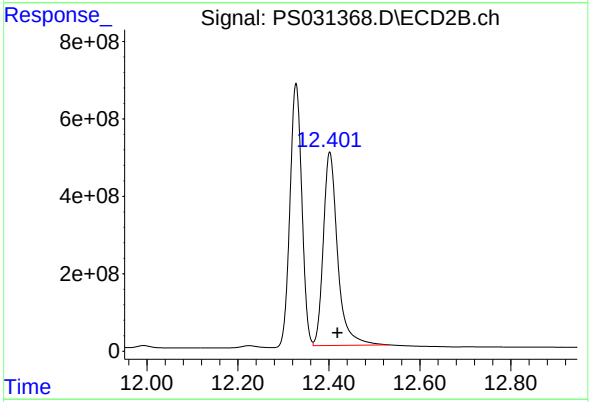
#15 Picloram

R.T.: 11.203 min
Delta R.T.: -0.022 min
Response: 8711892317
Conc: 743.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

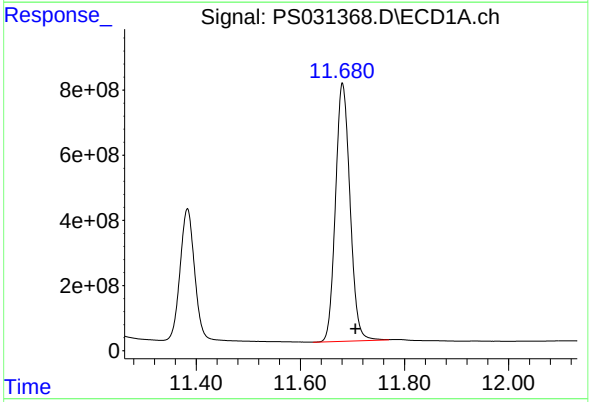
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



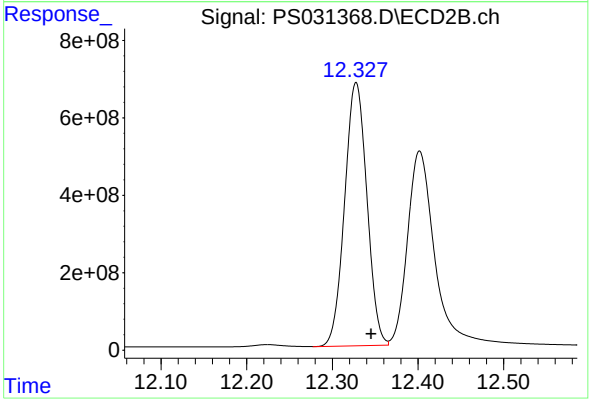
#15 Picloram

R.T.: 12.402 min
Delta R.T.: -0.017 min
Response: 10902492421
Conc: 637.76 ng/ml



#16 DCPA

R.T.: 11.680 min
Delta R.T.: -0.025 min
Response: 15339269594
Conc: 739.74 ng/ml m



#16 DCPA

R.T.: 12.327 min
Delta R.T.: -0.018 min
Response: 12288218776
Conc: 658.82 ng/ml m

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.:** Q2747

Continuing Calib Date: 08/05/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 11:25 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.49	7.50	7.40	7.60	0.01
2,4-DCAA	7.30	7.32	7.22	7.42	0.02
Dalapon	2.68	2.69	2.59	2.79	0.01
DICHLORPROP	8.20	8.21	8.11	8.31	0.02
2,4-D	8.43	8.45	8.35	8.55	0.02
2,4,5-TP(Silvex)	9.31	9.33	9.23	9.43	0.02
2,4,5-T	9.60	9.62	9.52	9.72	0.02
2,4-DB	10.18	10.20	10.10	10.30	0.02
Dinoseb	11.38	11.41	11.31	11.51	0.03

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/05/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 11:25 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.97	7.87	8.07	0.02
2,4-DCAA	7.75	7.77	7.67	7.87	0.02
Dalapon	2.70	2.70	2.60	2.80	0.00
DICHLORPROP	8.67	8.69	8.59	8.79	0.02
2,4-D	9.01	9.03	8.93	9.13	0.02
2,4,5-TP(Silvex)	9.91	9.92	9.82	10.02	0.01
2,4,5-T	10.34	10.35	10.25	10.45	0.01
2,4-DB	10.90	10.92	10.82	11.02	0.02
Dinoseb	11.28	11.30	11.20	11.40	0.02

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031371.D **Time Analyzed:** 11:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.600	9.521	9.721	782.960	712.500	9.9
2,4,5-TP(Silvex)	9.306	9.227	9.427	725.140	712.500	1.8
2,4-D	8.427	8.346	8.546	732.140	705.000	3.8
2,4-DB	10.176	10.099	10.299	786.850	712.500	10.4
2,4-DCAA	7.300	7.215	7.415	742.360	750.000	-1.0
Dalapon	2.682	2.591	2.791	615.530	682.500	-9.8
DICAMBA	7.486	7.403	7.603	675.700	705.000	-4.2
DICHLORPROP	8.195	8.113	8.313	670.280	705.000	-4.9
Dinoseb	11.381	11.307	11.507	696.680	705.000	-1.2

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.:** Q2747

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031371.D **Time Analyzed:** 11:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.336	10.252	10.452	626.270	712.500	-12.1
2,4,5-TP(Silvex)	9.907	9.824	10.024	634.630	712.500	-10.9
2,4-D	9.009	8.925	9.125	618.420	705.000	-12.3
2,4-DB	10.903	10.822	11.022	609.190	712.500	-14.5
2,4-DCAA	7.752	7.666	7.866	650.050	750.000	-13.3
Dalapon	2.701	2.603	2.803	586.080	682.500	-14.1
DICAMBA	7.950	7.865	8.065	618.550	705.000	-12.3
DICHLORPROP	8.670	8.585	8.785	613.680	705.000	-13.0
Dinoseb	11.283	11.202	11.402	600.580	705.000	-14.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 11:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 05:57:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.300	7.752	2162.8E6	542.8E6	742.356	650.048
	Target Compounds						
1) T	Dalapon	2.682	2.701	2969.7E6	1439.5E6	615.528	586.075
2) T	3,5-DICHL...	6.464	6.702	2930.1E6	800.3E6	687.336m	619.262
3) T	4-Nitroph...	7.102	7.294	736.1E6	748.2E6	722.893	579.585
5) T	DICAMBA	7.486	7.950	8730.5E6	3353.0E6	675.704m	618.547m
6) T	MCPP	7.665	8.049	550.6E6	122.1E6	68.459m	71.429m
7) T	MCPA	7.815	8.297	662.6E6	169.9E6	67.783	65.485
8) T	DICHLORPROP	8.195	8.670	2037.7E6	797.8E6	670.281	613.684
9) T	2,4-D	8.427	9.009	1898.7E6	863.0E6	732.143	618.417
10) T	Pentachlo...	8.726	9.522	33137.8E6	22050.9E6	728.643m	658.307
11) T	2,4,5-TP ...	9.306	9.907	12081.8E6	8061.5E6	725.142	634.626
12) T	2,4,5-T	9.600	10.336	10413.9E6	7305.2E6	782.957	626.271
13) T	2,4-DB	10.176	10.903	1374.8E6	588.4E6	786.854	609.188
14) T	DINOSEB	11.381	11.283	7986.5E6	5609.4E6	696.684	600.585m
15) T	Picloram	11.202	12.400	8898.1E6	10577.6E6	759.900m	618.755
16) T	DCPA	11.679	12.325	15712.1E6	12366.1E6	757.717m	663.001m

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

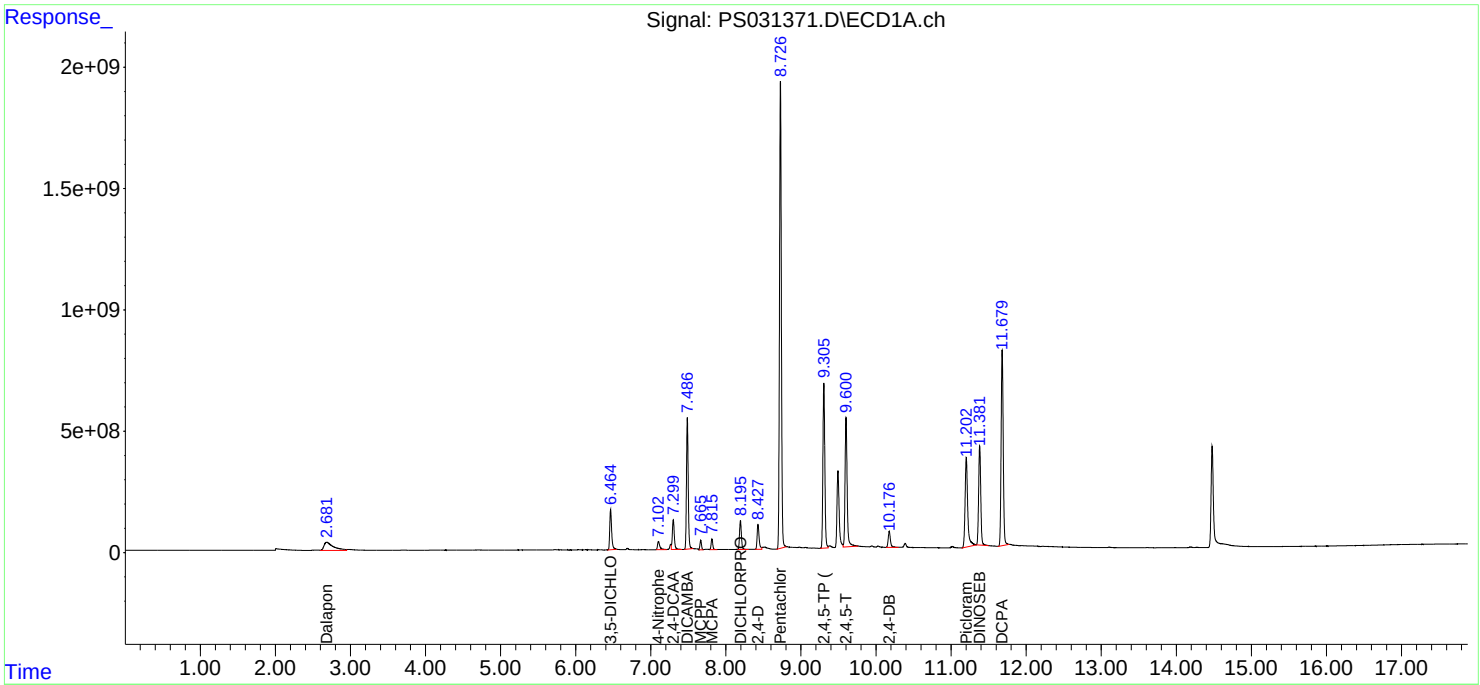
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 11:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

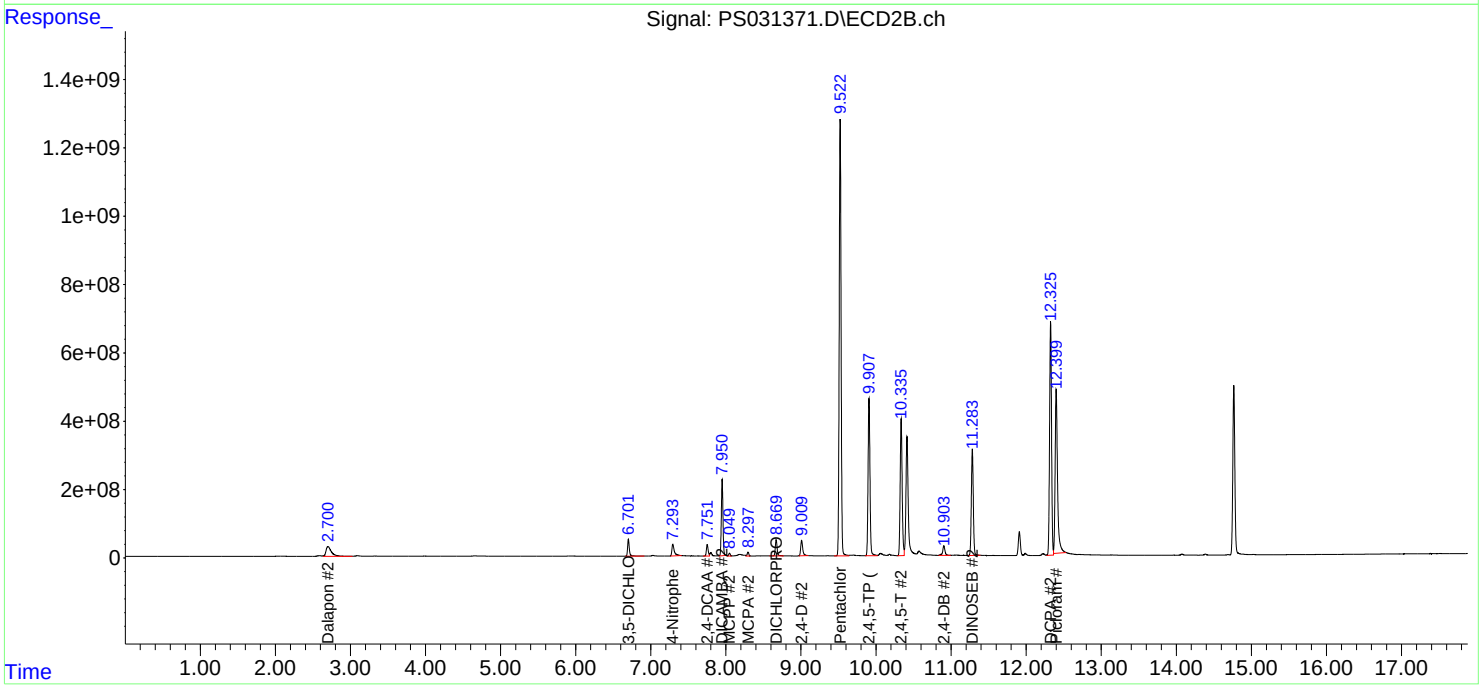
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

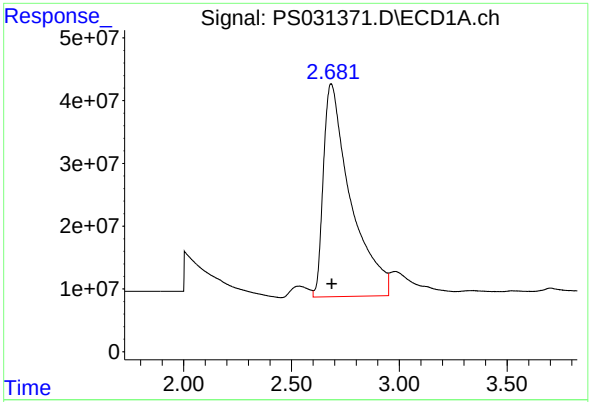
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 05:57:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







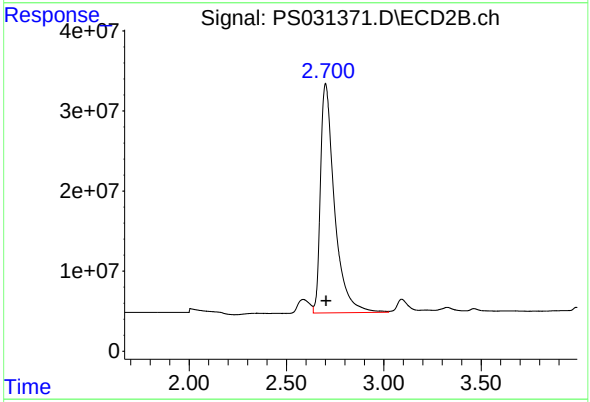
#1 Dalapon

R.T.: 2.682 min
Delta R.T.: -0.005 min
Response: 2969651095
Conc: 615.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

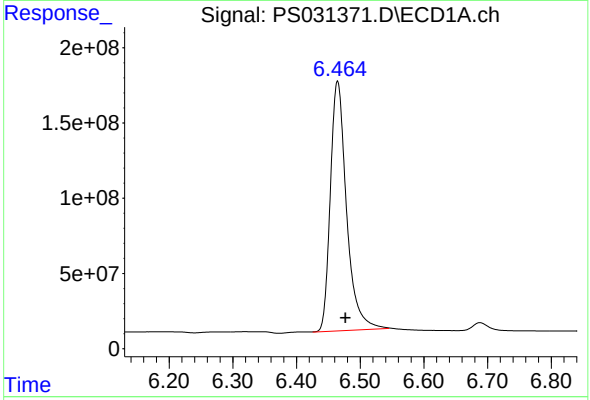
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



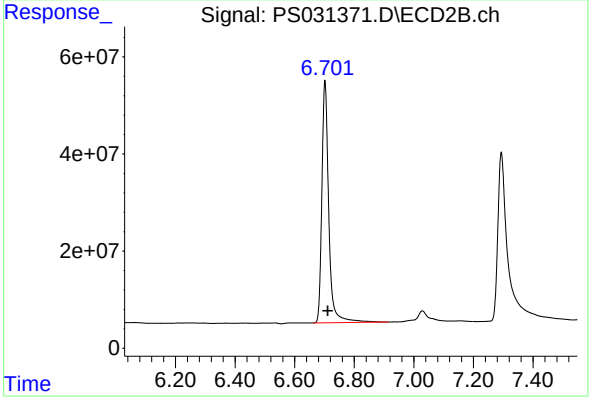
#1 Dalapon

R.T.: 2.701 min
Delta R.T.: -0.002 min
Response: 1439509011
Conc: 586.08 ng/ml



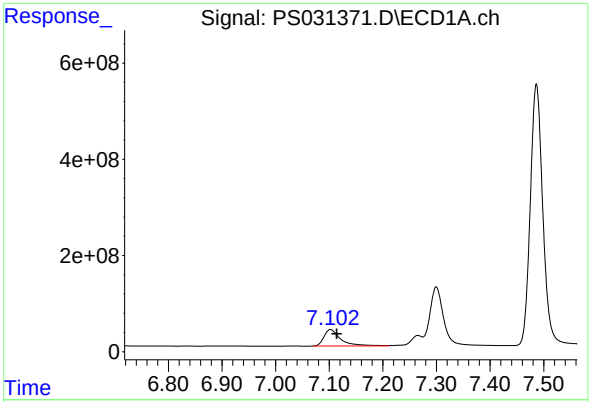
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.464 min
Delta R.T.: -0.013 min
Response: 2930068511
Conc: 687.34 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.702 min
Delta R.T.: -0.009 min
Response: 800254406
Conc: 619.26 ng/ml



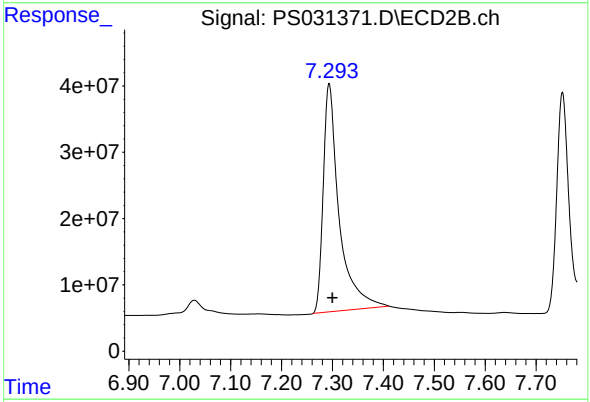
#3 4-Nitrophenol

R.T.: 7.102 min
Delta R.T.: -0.012 min
Response: 736050199
Conc: 722.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

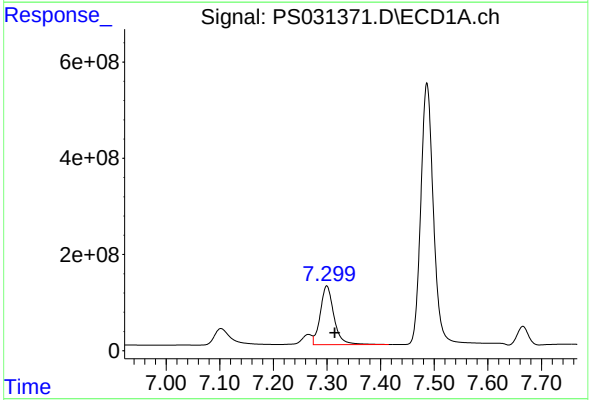
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



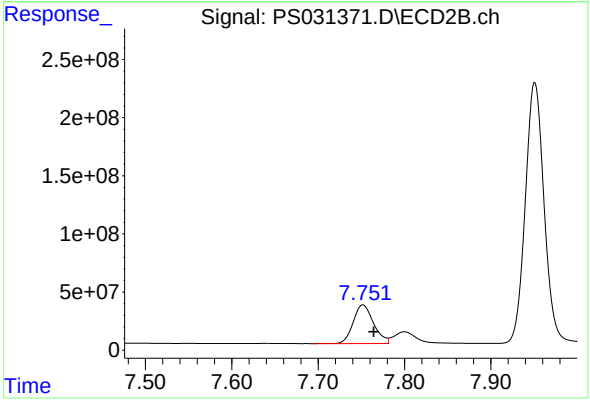
#3 4-Nitrophenol

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 748193606
Conc: 579.59 ng/ml



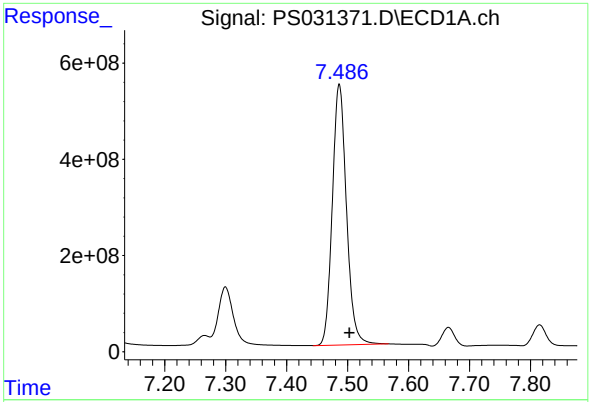
#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.015 min
Response: 2162782820
Conc: 742.36 ng/ml



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.012 min
Response: 542842810
Conc: 650.05 ng/ml



#5 DICAMBA

R.T.: 7.486 min
Delta R.T.: -0.017 min
Response: 8730501902
Conc: 675.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

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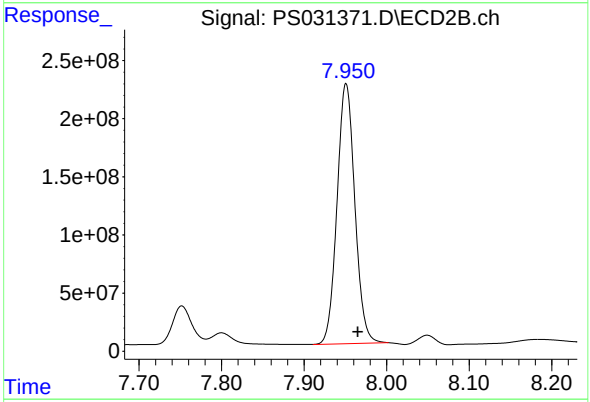
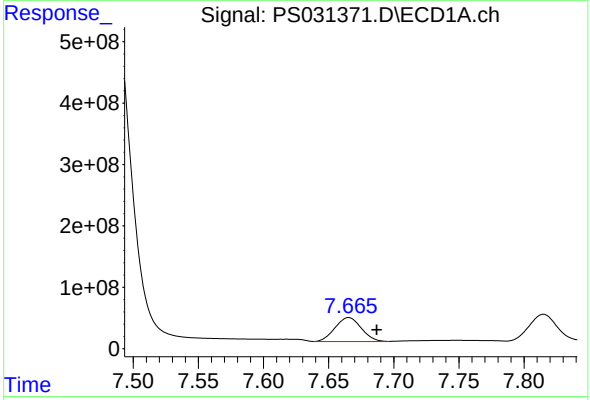


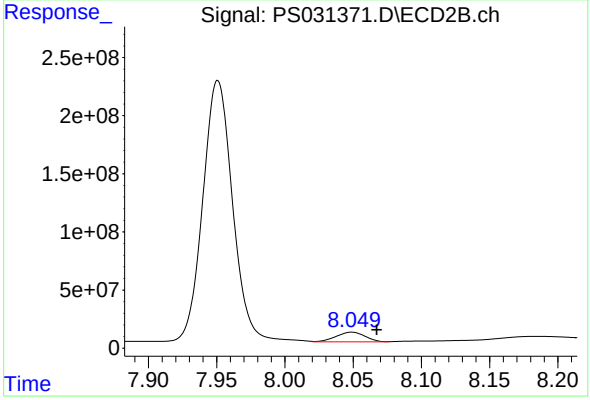
#5 DICAMBA

R.T.: 7.950 min
Delta R.T.: -0.015 min
Response: 3353047909
Conc: 618.55 ng/ml m



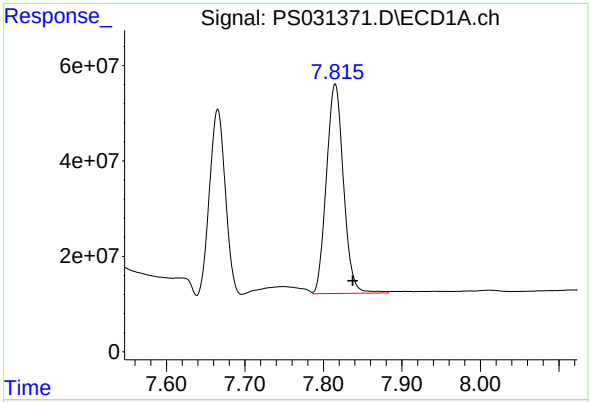
#6 MCPP

R.T.: 7.665 min
Delta R.T.: -0.022 min
Response: 550600134
Conc: 68.46 ug/ml m



#6 MCPP

R.T.: 8.049 min
Delta R.T.: -0.019 min
Response: 122100029
Conc: 71.43 ug/ml m



#7 MCPA

R.T.: 7.815 min
Delta R.T.: -0.022 min
Response: 662645463
Conc: 67.78 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
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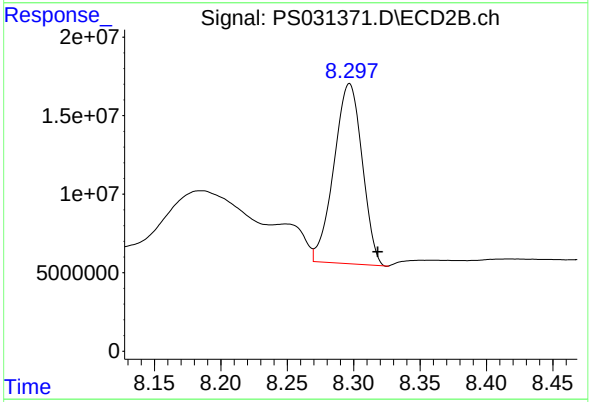
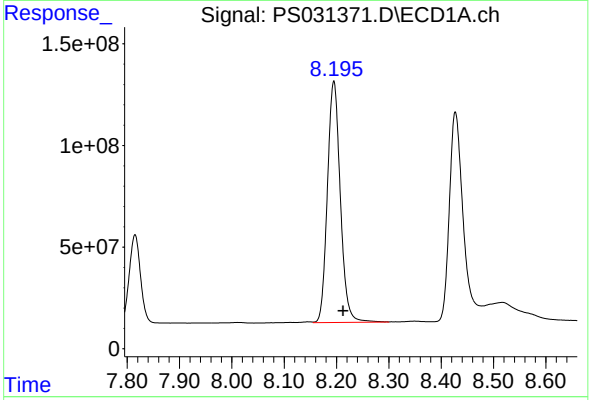


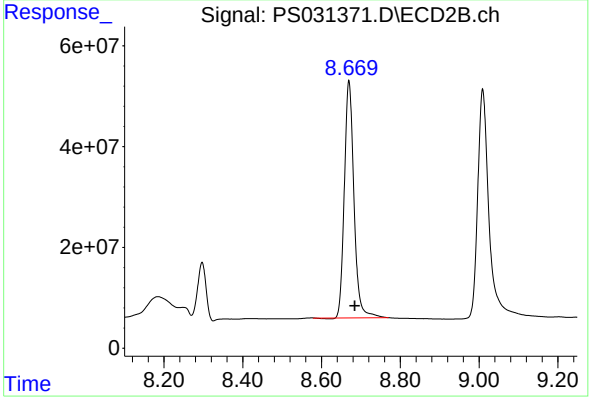
#7 MCPA

R.T.: 8.297 min
Delta R.T.: -0.021 min
Response: 169866138
Conc: 65.49 ug/ml



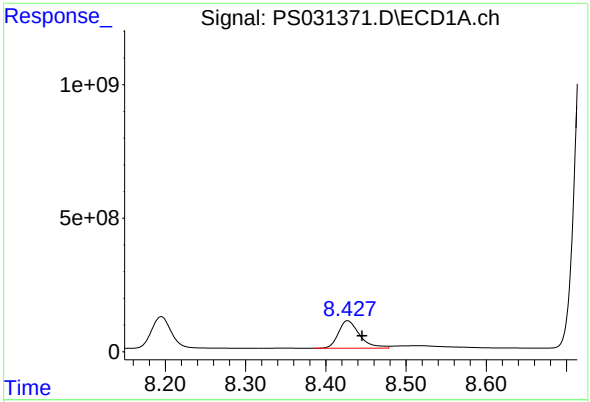
#8 DICHLORPROP

R.T.: 8.195 min
Delta R.T.: -0.018 min
Response: 2037662725
Conc: 670.28 ng/ml



#8 DICHLORPROP

R.T.: 8.670 min
Delta R.T.: -0.015 min
Response: 797824547
Conc: 613.68 ng/ml



#9 2,4-D

R.T.: 8.427 min
Delta R.T.: -0.018 min
Response: 1898695173
Conc: 732.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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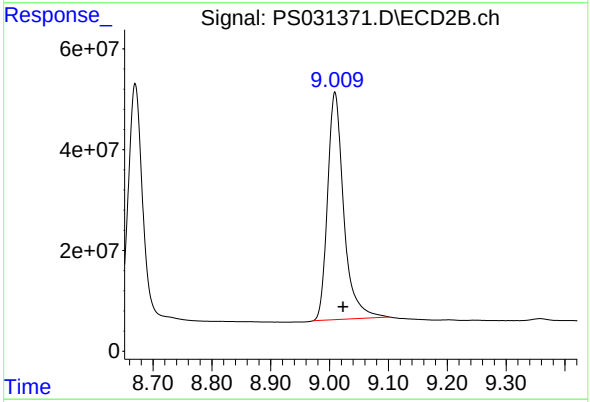
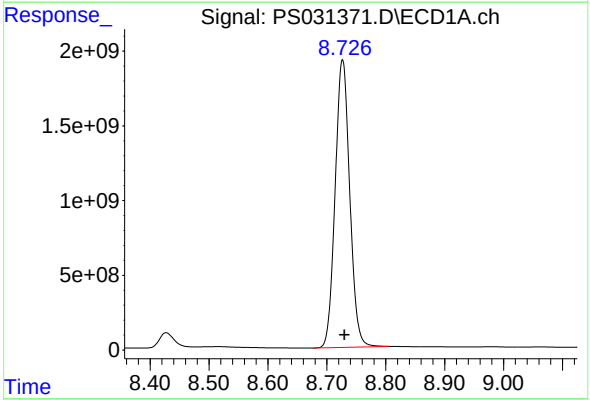


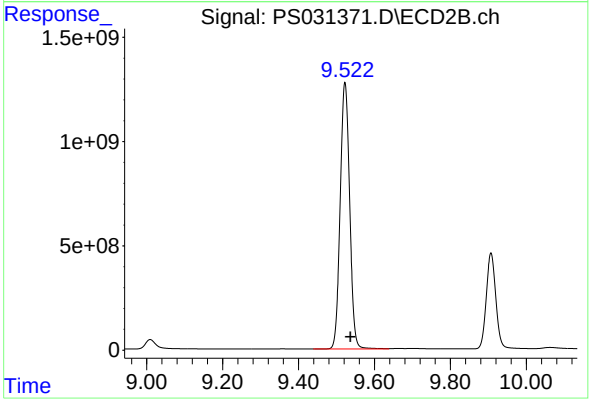
#9 2,4-D

R.T.: 9.009 min
Delta R.T.: -0.014 min
Response: 863020262
Conc: 618.42 ng/ml



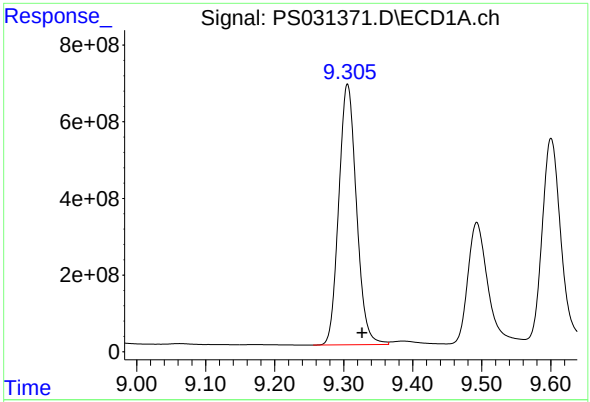
#10 Pentachlorophenol

R.T.: 8.726 min
Delta R.T.: -0.004 min
Response: 33137785980
Conc: 728.64 ng/ml m



#10 Pentachlorophenol

R.T.: 9.522 min
Delta R.T.: -0.015 min
Response: 22050892601
Conc: 658.31 ng/ml



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

R.T.: 9.306 min
Delta R.T.: -0.021 min
Response: 12081769782
Conc: 725.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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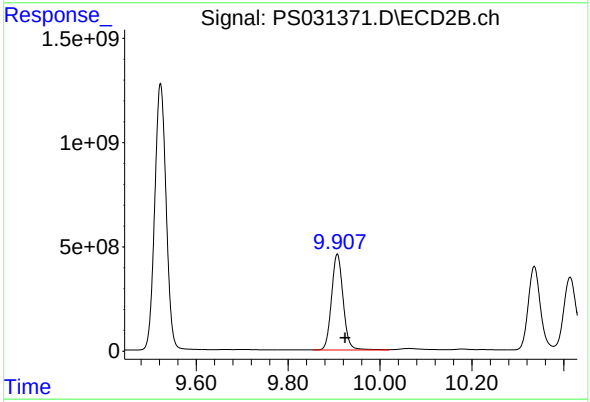
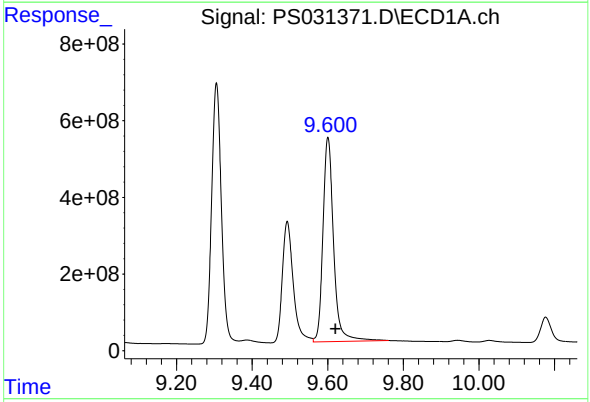


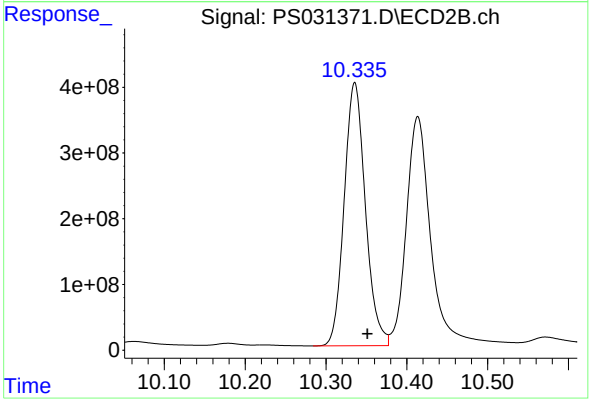
#11 2,4,5-TP (SILVEX)

R.T.: 9.907 min
Delta R.T.: -0.017 min
Response: 8061528456
Conc: 634.63 ng/ml



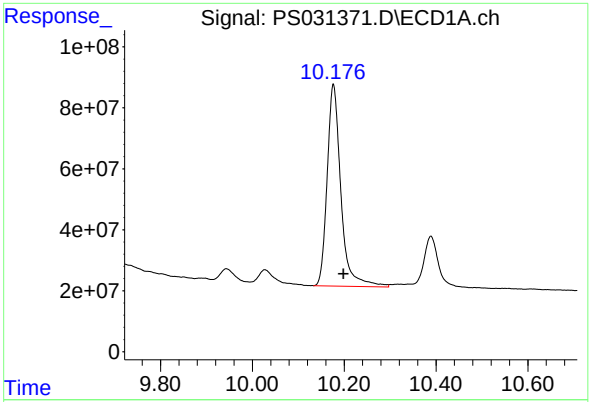
#12 2,4,5-T

R.T.: 9.600 min
Delta R.T.: -0.020 min
Response: 10413896788
Conc: 782.96 ng/ml



#12 2,4,5-T

R.T.: 10.336 min
Delta R.T.: -0.016 min
Response: 7305247152
Conc: 626.27 ng/ml



#13 2,4-DB

R.T.: 10.176 min
Delta R.T.: -0.022 min
Response: 1374833664
Conc: 786.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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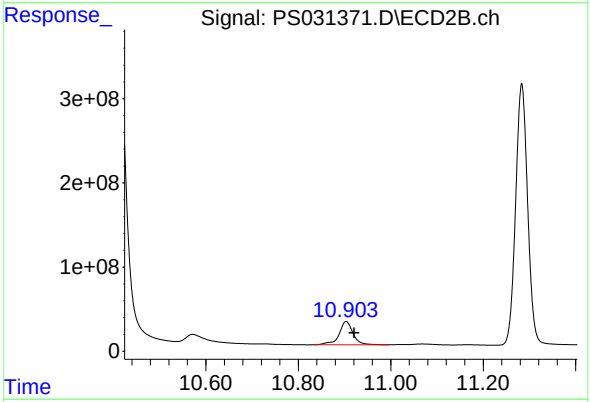
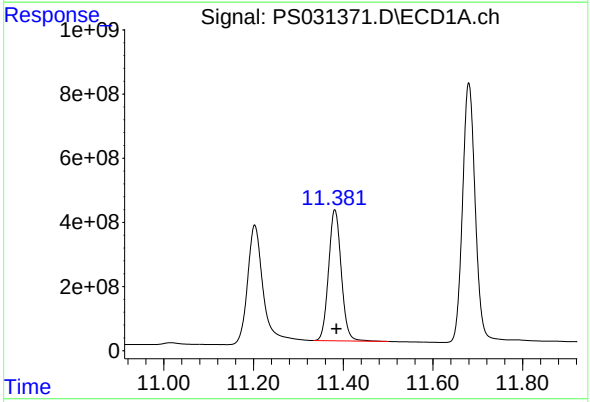


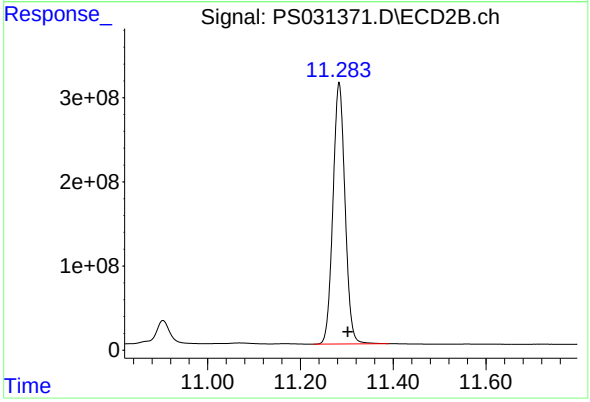
#13 2,4-DB

R.T.: 10.903 min
Delta R.T.: -0.017 min
Response: 588387541
Conc: 609.19 ng/ml



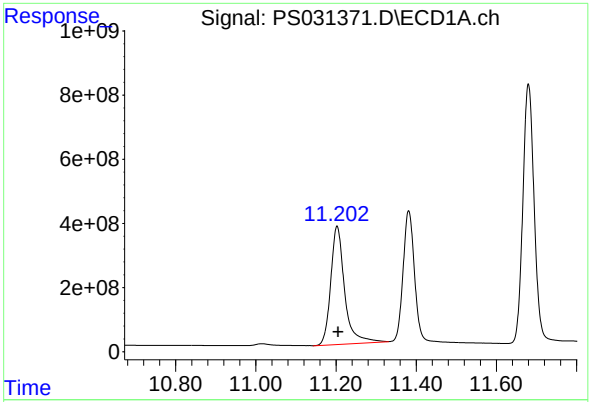
#14 DINOSEB

R.T.: 11.381 min
Delta R.T.: -0.004 min
Response: 7986464973
Conc: 696.68 ng/ml



#14 DINOSEB

R.T.: 11.283 min
Delta R.T.: -0.019 min
Response: 5609422026
Conc: 600.58 ng/ml m



#15 Picloram

R.T.: 11.202 min
Delta R.T.: -0.003 min
Response: 8898141563
Conc: 759.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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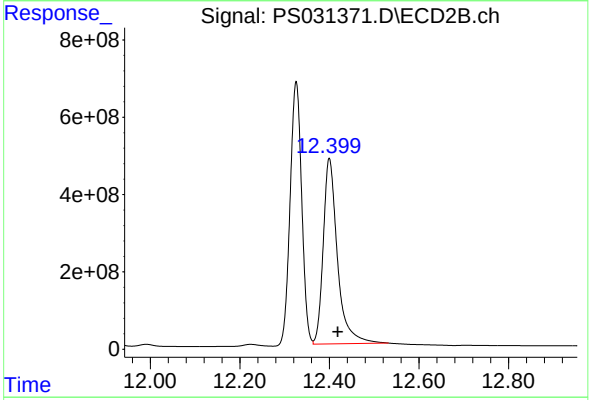
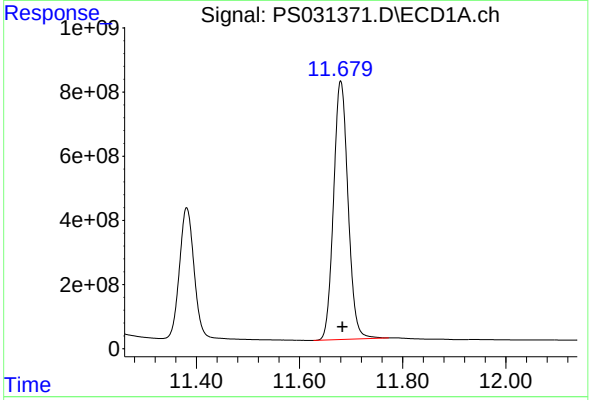


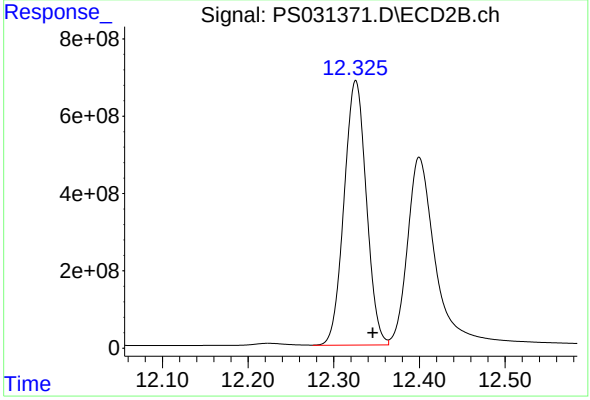
#15 Picloram

R.T.: 12.400 min
Delta R.T.: -0.019 min
Response: 10577577532
Conc: 618.76 ng/ml



#16 DCPA

R.T.: 11.679 min
Delta R.T.: -0.004 min
Response: 15712110083
Conc: 757.72 ng/ml m



#16 DCPA

R.T.: 12.325 min
Delta R.T.: -0.020 min
Response: 12366139695
Conc: 663.00 ng/ml m

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/05/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 15:48 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.49	7.50	7.40	7.60	0.01
2,4-DCAA	7.30	7.32	7.22	7.42	0.02
Dalapon	2.68	2.69	2.59	2.79	0.01
DICHLORPROP	8.19	8.21	8.11	8.31	0.02
2,4-D	8.43	8.45	8.35	8.55	0.02
2,4,5-TP(Silvex)	9.31	9.33	9.23	9.43	0.02
2,4,5-T	9.60	9.62	9.52	9.72	0.02
2,4-DB	10.18	10.20	10.10	10.30	0.02
Dinoseb	11.38	11.41	11.31	11.51	0.03

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Continuing Calib Date: 08/05/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 15:48 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.97	7.87	8.07	0.02
2,4-DCAA	7.75	7.77	7.67	7.87	0.02
Dalapon	2.70	2.70	2.60	2.80	0.00
DICHLORPROP	8.67	8.69	8.59	8.79	0.02
2,4-D	9.01	9.03	8.93	9.13	0.02
2,4,5-TP(Silvex)	9.91	9.92	9.82	10.02	0.01
2,4,5-T	10.34	10.35	10.25	10.45	0.01
2,4-DB	10.90	10.92	10.82	11.02	0.02
Dinoseb	11.28	11.30	11.20	11.40	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031376.D **Time Analyzed:** 15:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.600	9.521	9.721	801.640	712.500	12.5
2,4,5-TP(Silvex)	9.305	9.227	9.427	724.570	712.500	1.7
2,4-D	8.427	8.346	8.546	741.600	705.000	5.2
2,4-DB	10.175	10.099	10.299	835.150	712.500	17.2
2,4-DCAA	7.299	7.215	7.415	730.290	750.000	-2.6
Dalapon	2.680	2.591	2.791	606.150	682.500	-11.2
DICAMBA	7.485	7.403	7.603	666.730	705.000	-5.4
DICHLORPROP	8.194	8.113	8.313	666.530	705.000	-5.5
Dinoseb	11.381	11.307	11.507	671.020	705.000	-4.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031376.D **Time Analyzed:** 15:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.335	10.252	10.452	646.960	712.500	-9.2
2,4,5-TP(Silvex)	9.907	9.824	10.024	646.110	712.500	-9.3
2,4-D	9.008	8.925	9.125	619.270	705.000	-12.2
2,4-DB	10.903	10.822	11.022	630.300	712.500	-11.5
2,4-DCAA	7.752	7.666	7.866	663.940	750.000	-11.5
Dalapon	2.699	2.603	2.803	599.420	682.500	-12.2
DICAMBA	7.951	7.865	8.065	631.600	705.000	-10.4
DICHLORPROP	8.670	8.585	8.785	598.680	705.000	-15.1
Dinoseb	11.282	11.202	11.402	583.140	705.000	-17.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 15:48
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

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Supervised By :mohammad ahmed 08/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 05:55:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.299	7.752	2127.6E6	554.4E6	730.291	663.943
	Target Compounds						
1) T	Dalapon	2.680	2.699	2924.4E6	1472.3E6	606.151	599.420
2) T	3,5-DICHL...	6.464	6.702	2919.8E6	797.9E6	684.923m	617.428
3) T	4-Nitroph...	7.101	7.293	719.6E6	750.8E6	706.718	581.610
5) T	DICAMBA	7.485	7.951	8614.5E6	3423.8E6	666.727m	631.600m
6) T	MCPP	7.665	8.049	559.6E6	115.0E6	69.582m	67.279m
7) T	MCPA	7.815	8.297	661.4E6	170.5E6	67.651	65.748
8) T	DICHLORPROP	8.194	8.670	2026.2E6	778.3E6	666.526	598.681
9) T	2,4-D	8.427	9.008	1923.2E6	864.2E6	741.601	619.273
10) T	Pentachlo...	8.726	9.522	32878.7E6	22243.9E6	722.946m	664.069
11) T	2,4,5-TP ...	9.305	9.907	12072.3E6	8207.4E6	724.572	646.110
12) T	2,4,5-T	9.600	10.335	10662.3E6	7546.6E6	801.636	646.962
13) T	2,4-DB	10.175	10.903	1459.2E6	608.8E6	835.149	630.299
14) T	DINOSEB	11.381	11.282	7692.2E6	5446.5E6	671.015	583.140m
15) T	Picloram	11.200	12.399	9476.5E6	11541.3E6	809.294m	675.130
16) T	DCPA	11.679	12.325	15699.3E6	12579.9E6	757.097m	674.463m

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

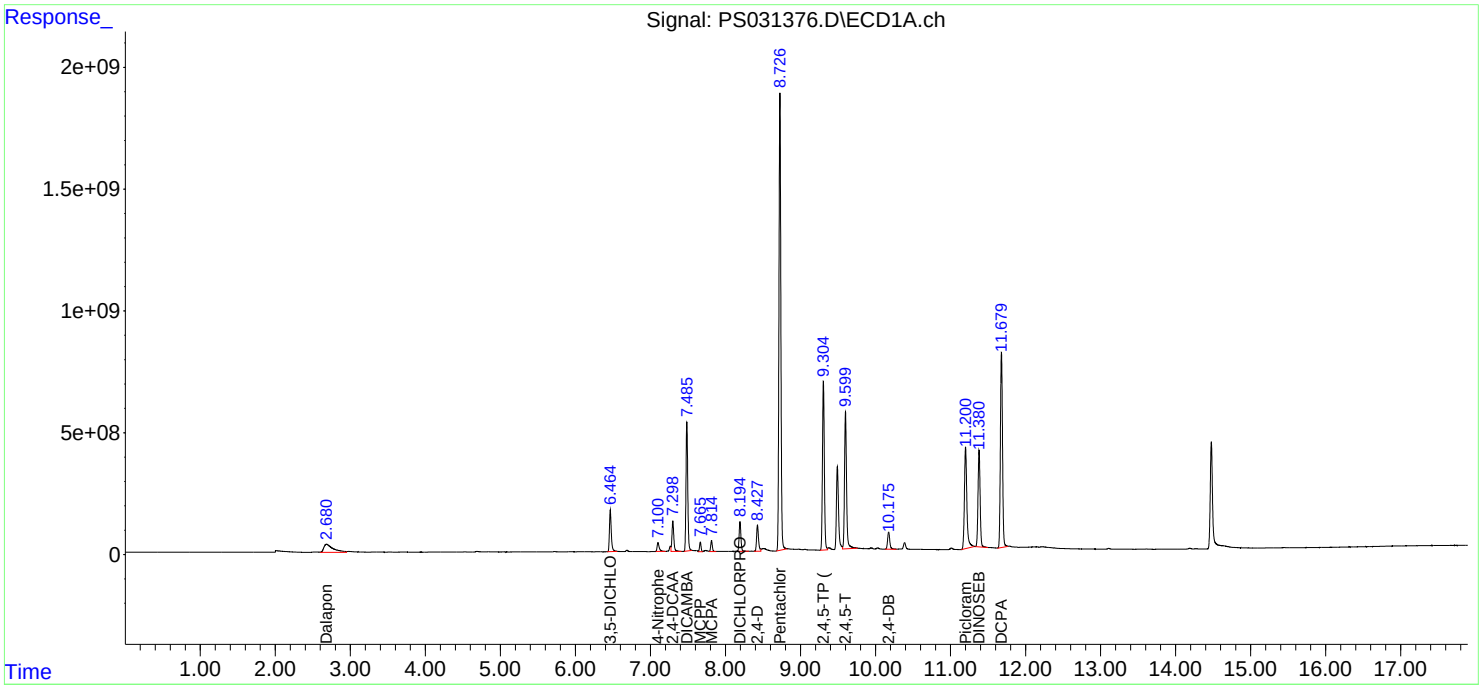
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 15:48
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

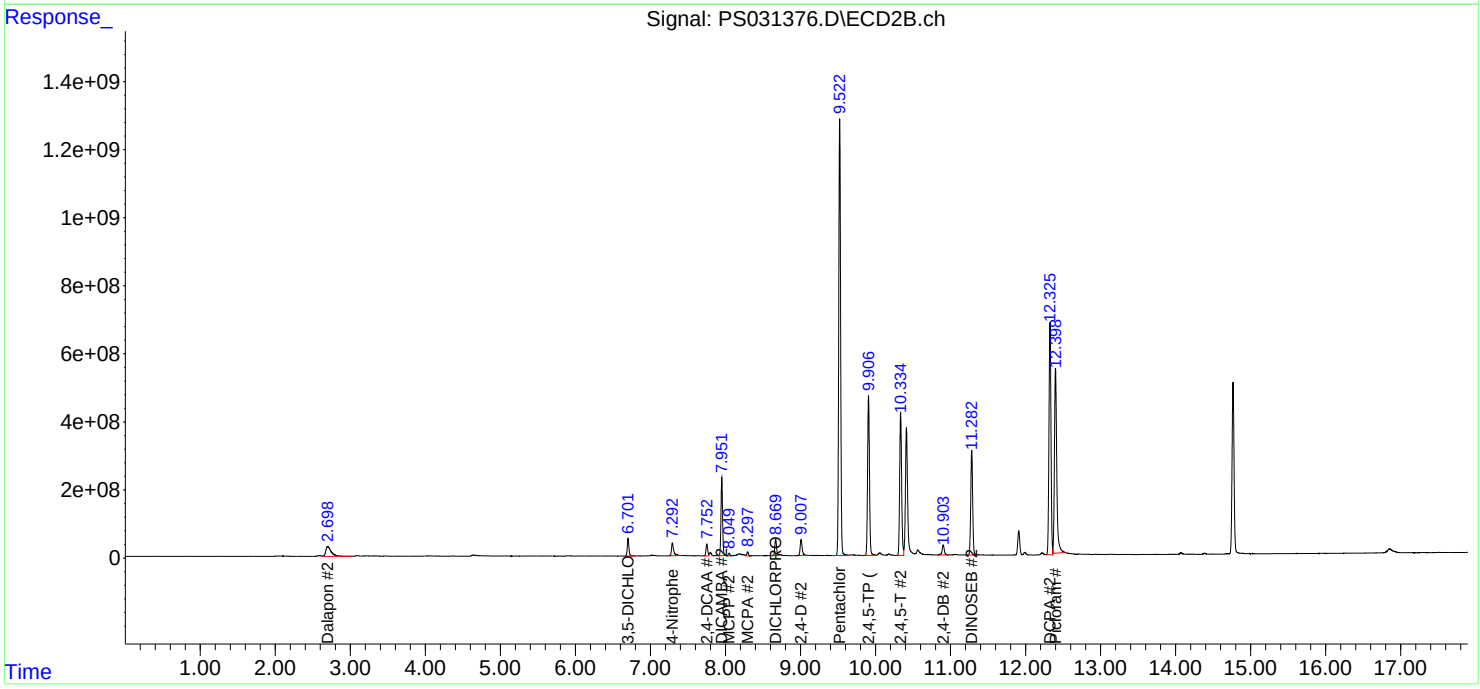
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

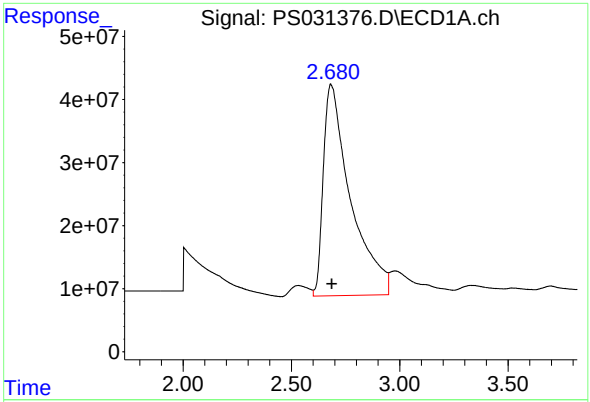
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 05:55:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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.: -0.007 min
Response: 2924410980
Conc: 606.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
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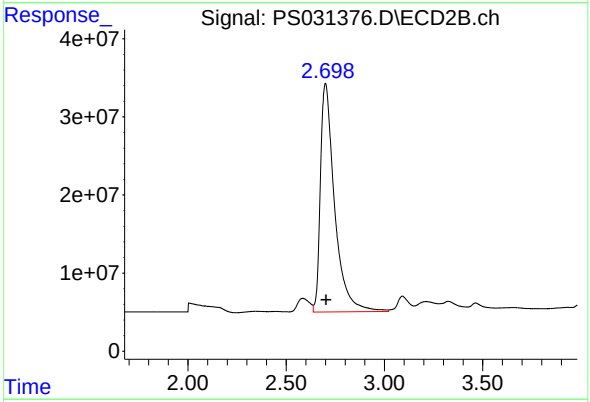
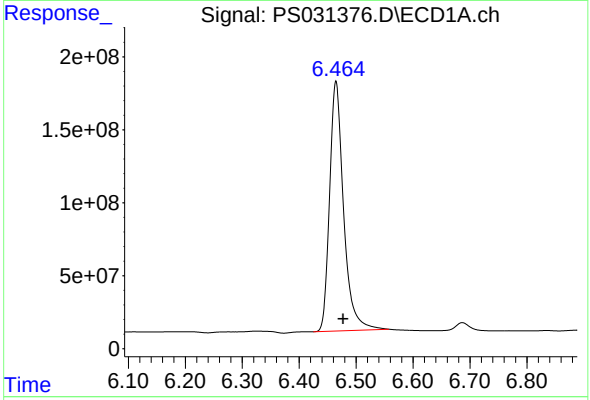


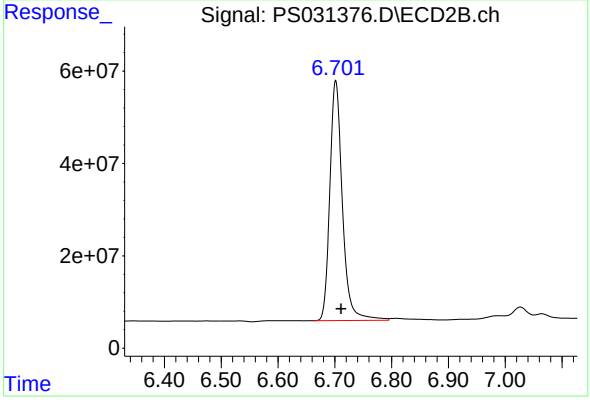
#1 Dalapon

R.T.: 2.699 min
Delta R.T.: -0.004 min
Response: 1472287008
Conc: 599.42 ng/ml



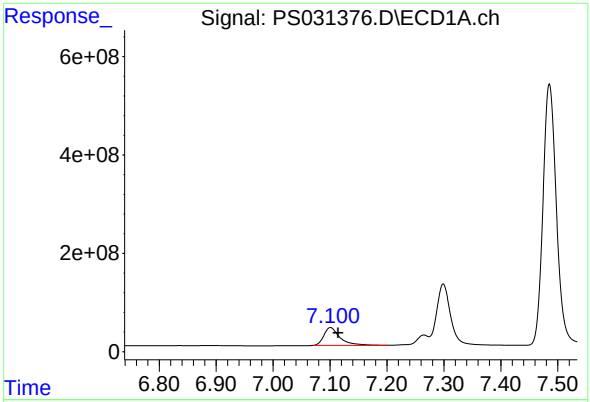
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.464 min
Delta R.T.: -0.013 min
Response: 2919780976
Conc: 684.92 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.702 min
Delta R.T.: -0.009 min
Response: 797884367
Conc: 617.43 ng/ml



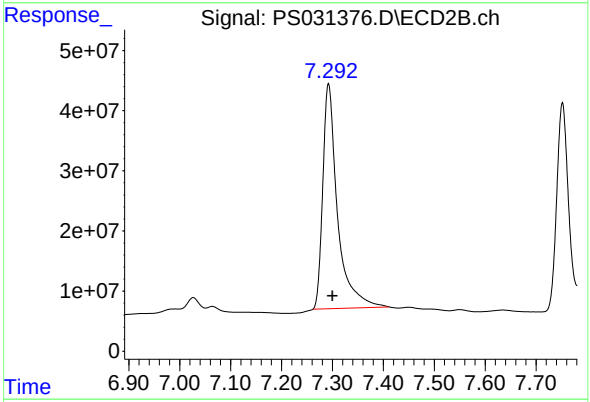
#3 4-Nitrophenol

R.T.: 7.101 min
Delta R.T.: -0.014 min
Response: 719580597
Conc: 706.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

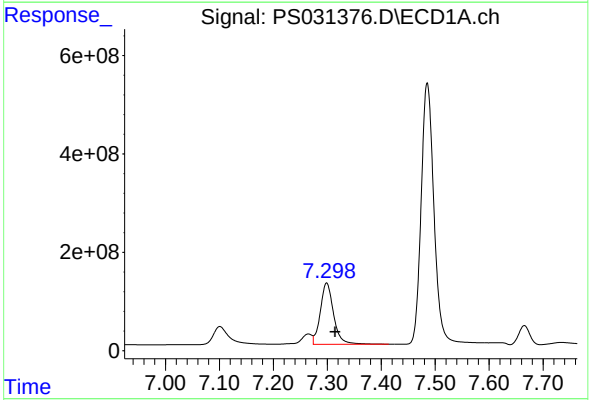
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



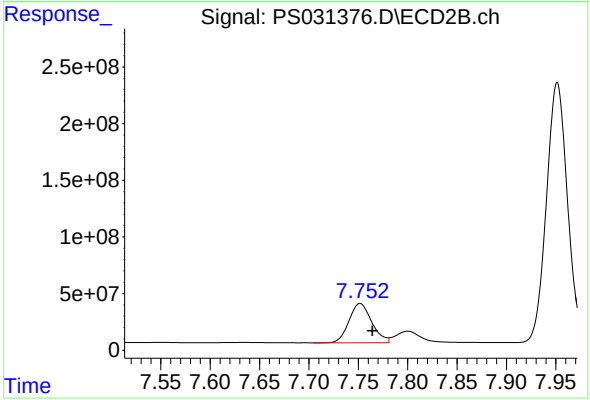
#3 4-Nitrophenol

R.T.: 7.293 min
Delta R.T.: -0.008 min
Response: 750808002
Conc: 581.61 ng/ml



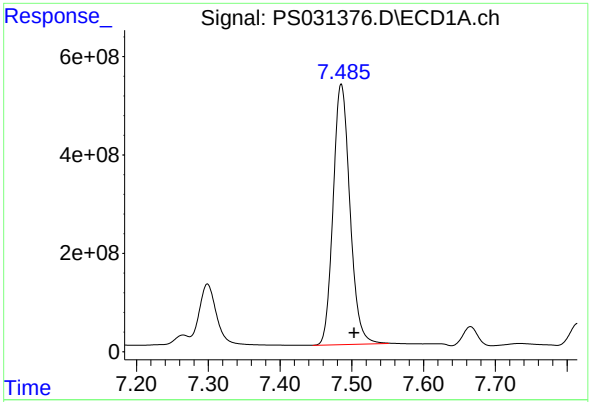
#4 2,4-DCAA

R.T.: 7.299 min
Delta R.T.: -0.016 min
Response: 2127633385
Conc: 730.29 ng/ml



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.012 min
Response: 554446238
Conc: 663.94 ng/ml



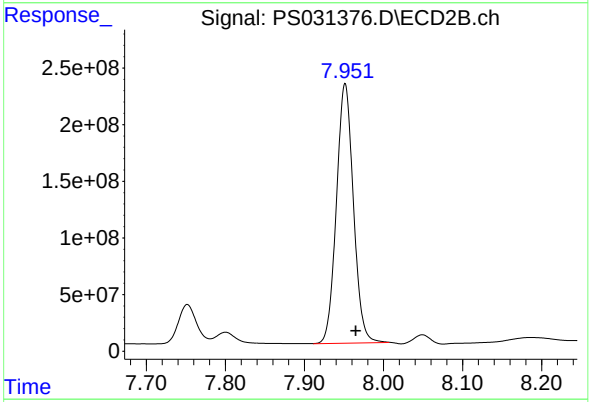
#5 DICAMBA

R.T.: 7.485 min
Delta R.T.: -0.018 min
Response: 8614511140
Conc: 666.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

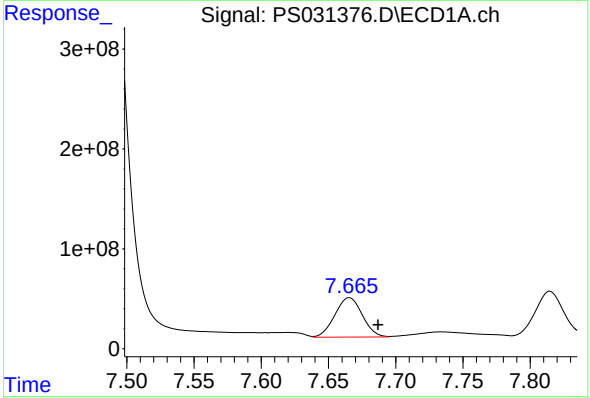
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



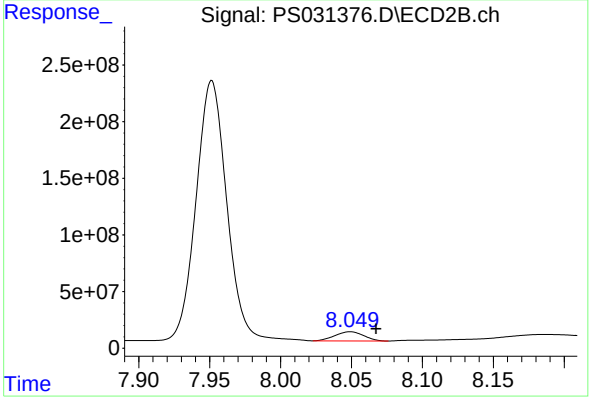
#5 DICAMBA

R.T.: 7.951 min
Delta R.T.: -0.014 min
Response: 3423808210
Conc: 631.60 ng/ml m



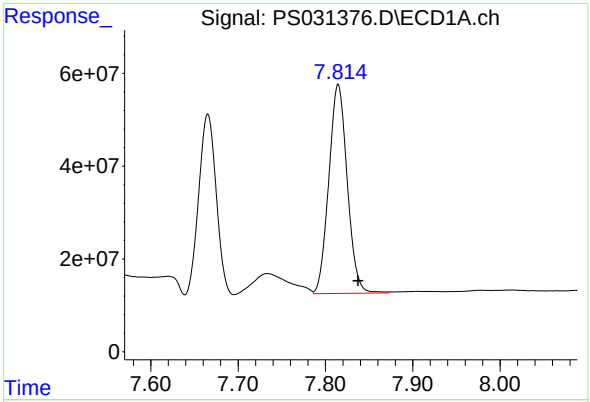
#6 MCPP

R.T.: 7.665 min
Delta R.T.: -0.022 min
Response: 559631675
Conc: 69.58 ug/ml m



#6 MCPP

R.T.: 8.049 min
Delta R.T.: -0.019 min
Response: 115005861
Conc: 67.28 ug/ml m



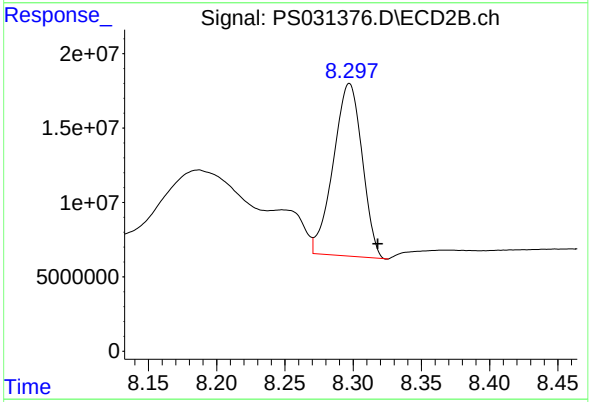
#7 MCPA

R.T.: 7.815 min
Delta R.T.: -0.023 min
Response: 661355204
Conc: 67.65 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

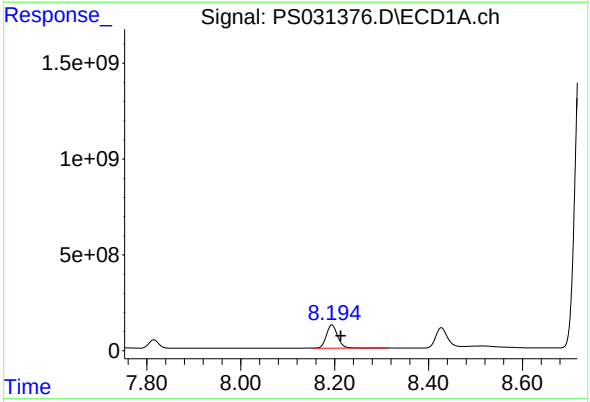
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



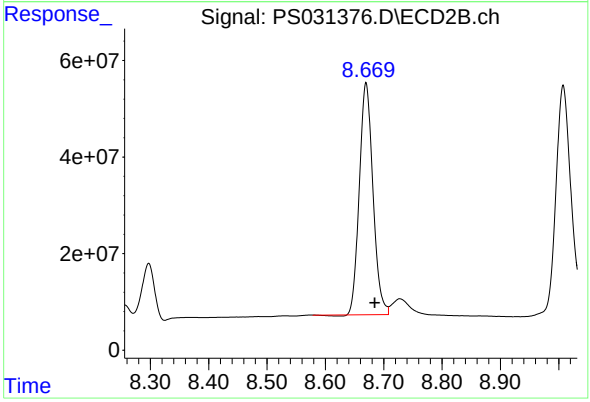
#7 MCPA

R.T.: 8.297 min
Delta R.T.: -0.021 min
Response: 170547837
Conc: 65.75 ug/ml



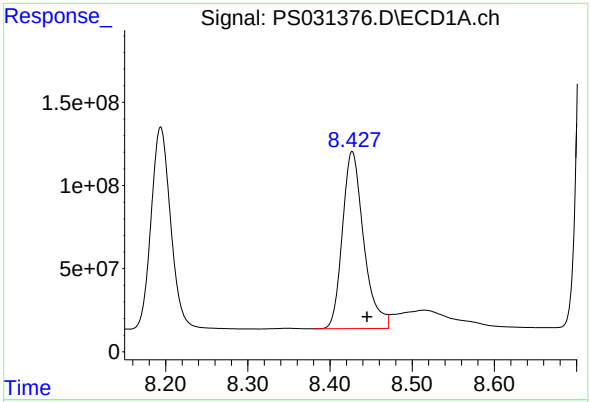
#8 DICHLORPROP

R.T.: 8.194 min
Delta R.T.: -0.019 min
Response: 2026247029
Conc: 666.53 ng/ml



#8 DICHLORPROP

R.T.: 8.670 min
Delta R.T.: -0.015 min
Response: 778319516
Conc: 598.68 ng/ml



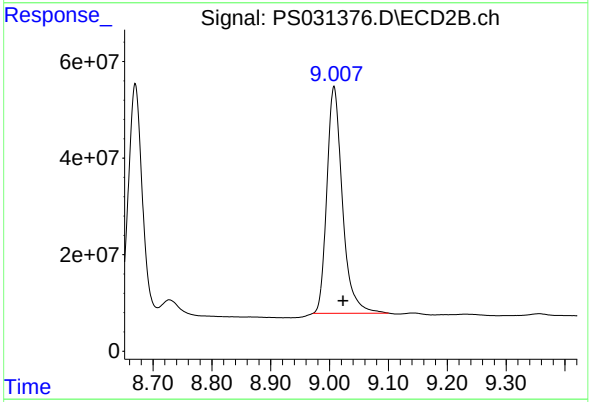
#9 2,4-D

R.T.: 8.427 min
Delta R.T.: -0.018 min
Response: 1923222252
Conc: 741.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

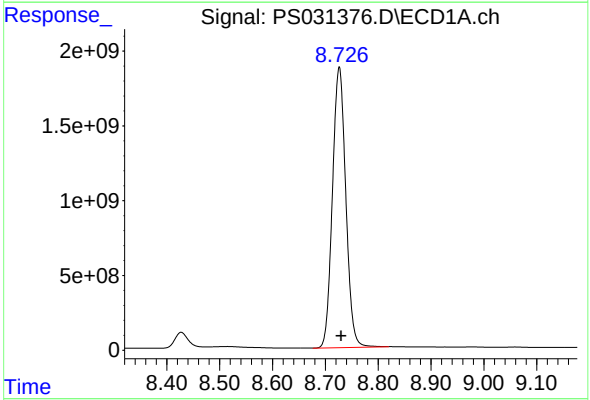
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



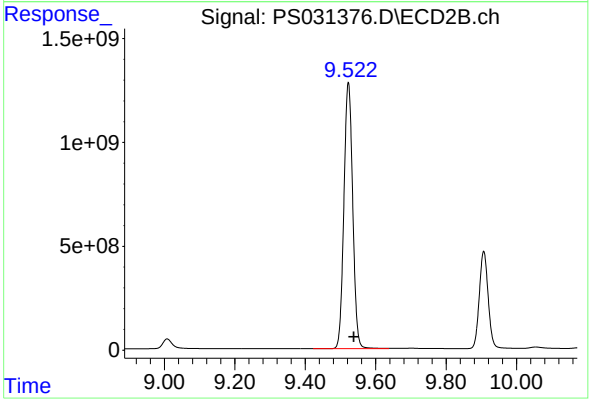
#9 2,4-D

R.T.: 9.008 min
Delta R.T.: -0.015 min
Response: 864214537
Conc: 619.27 ng/ml



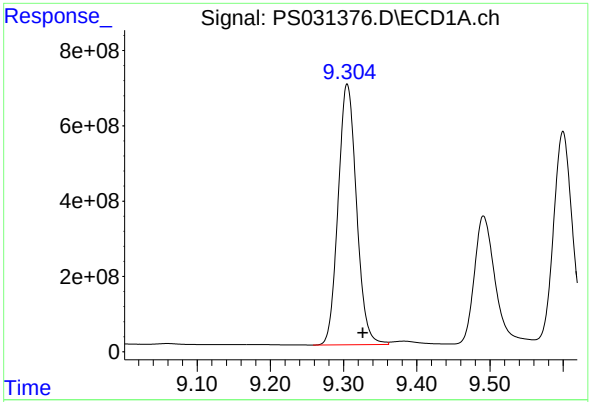
#10 Pentachlorophenol

R.T.: 8.726 min
Delta R.T.: -0.004 min
Response: 32878660455
Conc: 722.95 ng/ml m



#10 Pentachlorophenol

R.T.: 9.522 min
Delta R.T.: -0.015 min
Response: 22243905550
Conc: 664.07 ng/ml



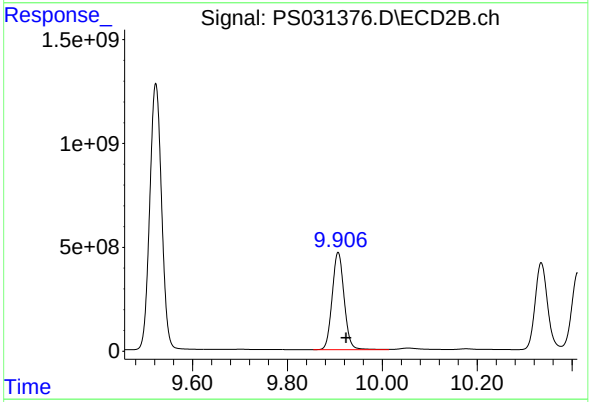
#11 2,4,5-TP (SILVEX)

R.T.: 9.305 min
Delta R.T.: -0.021 min
Response: 12072274537
Conc: 724.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

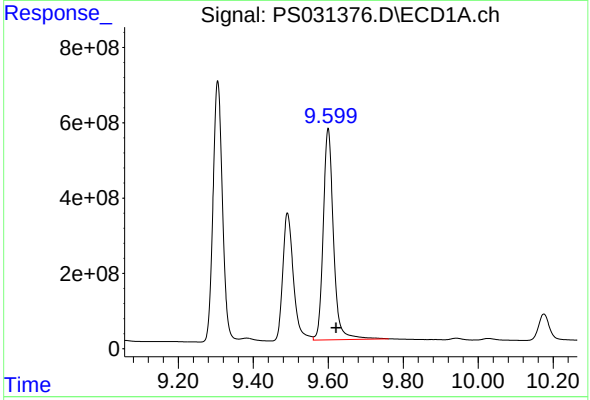
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



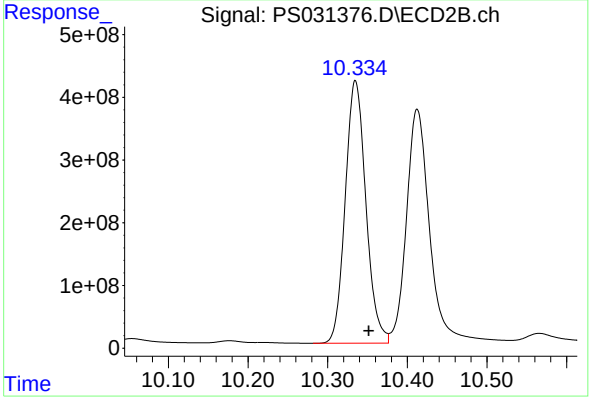
#11 2,4,5-TP (SILVEX)

R.T.: 9.907 min
Delta R.T.: -0.017 min
Response: 8207409773
Conc: 646.11 ng/ml



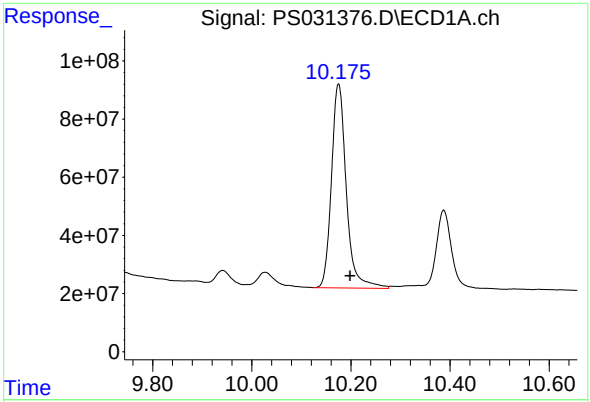
#12 2,4,5-T

R.T.: 9.600 min
Delta R.T.: -0.021 min
Response: 10662344483
Conc: 801.64 ng/ml



#12 2,4,5-T

R.T.: 10.335 min
Delta R.T.: -0.017 min
Response: 7546596582
Conc: 646.96 ng/ml



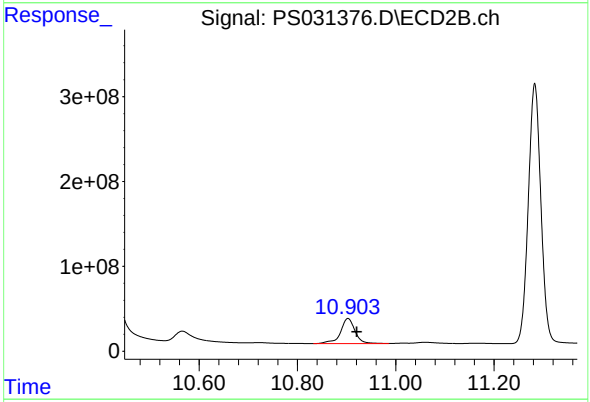
#13 2,4-DB

R.T.: 10.175 min
Delta R.T.: -0.023 min
Response: 1459218317
Conc: 835.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

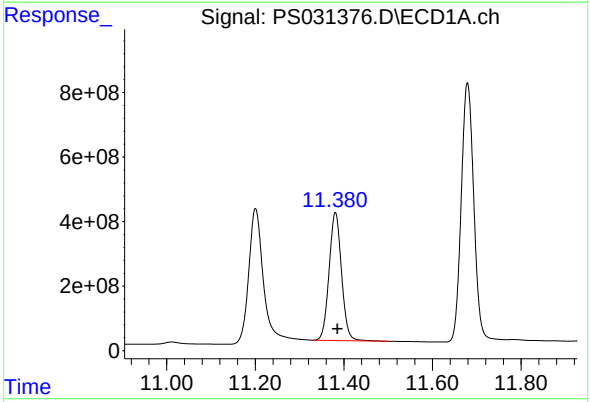
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



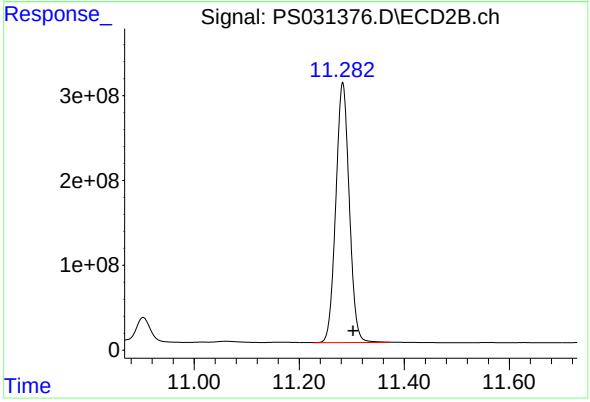
#13 2,4-DB

R.T.: 10.903 min
Delta R.T.: -0.018 min
Response: 608778145
Conc: 630.30 ng/ml



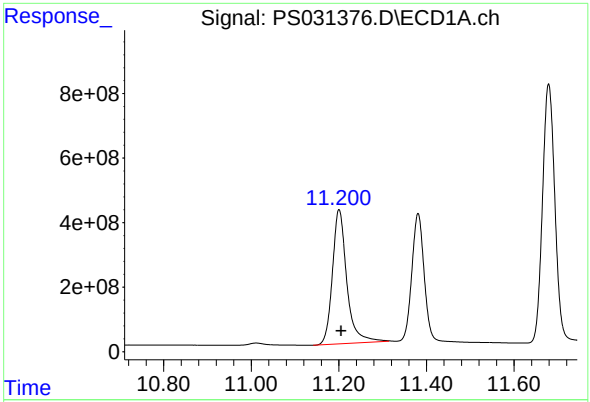
#14 DINOSEB

R.T.: 11.381 min
Delta R.T.: -0.004 min
Response: 7692211712
Conc: 671.02 ng/ml



#14 DINOSEB

R.T.: 11.282 min
Delta R.T.: -0.020 min
Response: 5446492873
Conc: 583.14 ng/ml m



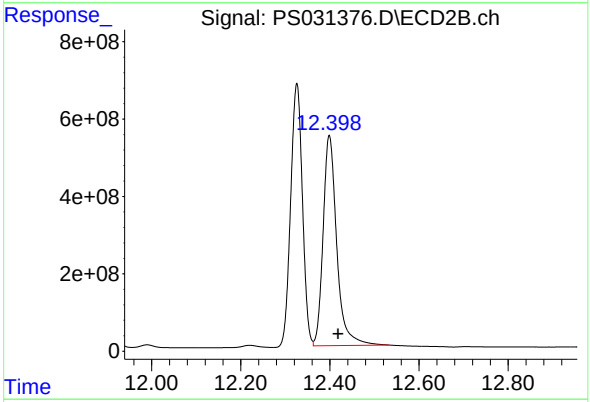
#15 Picloram

R.T.: 11.200 min
Delta R.T.: -0.005 min
Response: 9476536771
Conc: 809.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

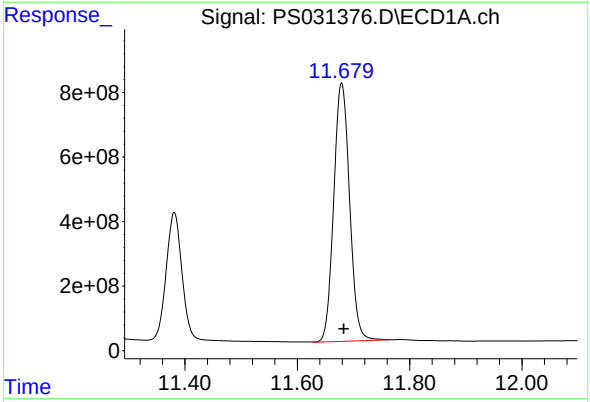
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/06/2025
Supervised By :mohammad ahmed 08/07/2025



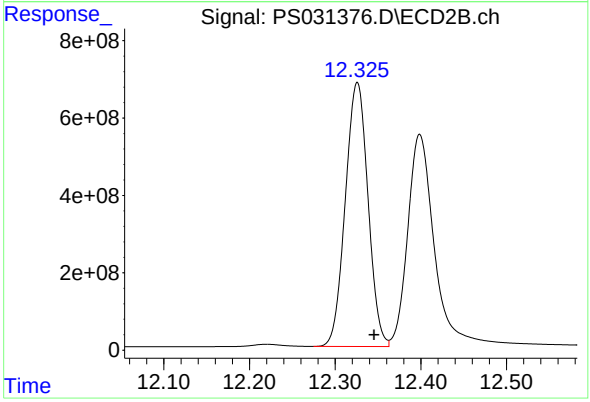
#15 Picloram

R.T.: 12.399 min
Delta R.T.: -0.020 min
Response: 11541296245
Conc: 675.13 ng/ml



#16 DCPA

R.T.: 11.679 min
Delta R.T.: -0.004 min
Response: 15699262921
Conc: 757.10 ng/ml m



#16 DCPA

R.T.: 12.325 min
Delta R.T.: -0.020 min
Response: 12579932146
Conc: 674.46 ng/ml m

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2747

Project: Raymark Superfund Site **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/29/2025 07/29/2025

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	07/29/2025	16:06	PS031274.D	7.32	0.00
HSTDICC200	HSTDICC200	07/29/2025	16:30	PS031275.D	7.32	0.00
HSTDICC500	HSTDICC500	07/29/2025	16:54	PS031276.D	7.32	0.00
HSTDICC750	HSTDICC750	07/29/2025	17:18	PS031277.D	7.32	0.00
HSTDICC1000	HSTDICC1000	07/29/2025	17:42	PS031278.D	7.32	0.00
HSTDICC1500	HSTDICC1500	07/29/2025	18:07	PS031279.D	7.32	0.00
I.BLK	I.BLK	08/04/2025	09:46	PS031352.D	7.30	0.00
HSTDCCC750	HSTDCCC750	08/04/2025	10:10	PS031353.D	7.30	0.00
PB169091BL	PB169091BL	08/04/2025	16:35	PS031354.D	7.30	0.00
PB169091BS	PB169091BS	08/04/2025	16:59	PS031355.D	7.30	0.00
I.BLK	I.BLK	08/04/2025	17:47	PS031357.D	7.30	0.00
HSTDCCC750	HSTDCCC750	08/04/2025	18:11	PS031358.D	7.30	0.00
OU4-TS-GRILLO-OG2-073125	Q2747-01	08/04/2025	18:35	PS031359.D	7.30	0.00
OU4-TS-GRILLO-OG4-073125	Q2747-05	08/04/2025	19:24	PS031361.D	7.30	0.00
OU4-TS-GRILLO-TSCP01-073125	Q2747-07	08/04/2025	19:48	PS031362.D	7.30	0.00
289MS	Q2753-01MS	08/04/2025	21:01	PS031365.D	7.30	0.00
289MSD	Q2753-01MSD	08/04/2025	21:25	PS031366.D	7.30	0.00
I.BLK	I.BLK	08/04/2025	21:49	PS031367.D	7.30	0.00
HSTDCCC750	HSTDCCC750	08/04/2025	22:13	PS031368.D	7.30	0.00
I.BLK	I.BLK	08/05/2025	11:00	PS031370.D	7.30	0.00
HSTDCCC750	HSTDCCC750	08/05/2025	11:25	PS031371.D	7.30	0.00
OU4-TS-GRILLO-OG2-073125RE	Q2747-01RE	08/05/2025	12:50	PS031372.D	7.30	0.00
OU4-TS-GRILLO-OG3-073125	Q2747-03	08/05/2025	13:14	PS031373.D	7.30	0.00
OU4-TS-GRILLO-TSCP02-073125	Q2747-09	08/05/2025	14:58	PS031374.D	7.30	0.00
I.BLK	I.BLK	08/05/2025	15:24	PS031375.D	7.30	0.00
HSTDCCC750	HSTDCCC750	08/05/2025	15:48	PS031376.D	7.30	0.00

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Fax : 908 789 8922

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2747

Project: Raymark Superfund Site **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/29/2025 07/29/2025

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	07/29/2025	16:06	PS031274.D	7.77	0.00
HSTDICC200	HSTDICC200	07/29/2025	16:30	PS031275.D	7.77	0.00
HSTDICC500	HSTDICC500	07/29/2025	16:54	PS031276.D	7.77	0.00
HSTDICC750	HSTDICC750	07/29/2025	17:18	PS031277.D	7.77	0.00
HSTDICC1000	HSTDICC1000	07/29/2025	17:42	PS031278.D	7.76	0.00
HSTDICC1500	HSTDICC1500	07/29/2025	18:07	PS031279.D	7.76	0.00
I.BLK	I.BLK	08/04/2025	09:46	PS031352.D	7.75	0.00
HSTDCCC750	HSTDCCC750	08/04/2025	10:10	PS031353.D	7.75	0.00
PB169091BL	PB169091BL	08/04/2025	16:35	PS031354.D	7.75	0.00
PB169091BS	PB169091BS	08/04/2025	16:59	PS031355.D	7.75	0.00
I.BLK	I.BLK	08/04/2025	17:47	PS031357.D	7.76	0.00
HSTDCCC750	HSTDCCC750	08/04/2025	18:11	PS031358.D	7.76	0.00
OU4-TS-GRILLO-OG2-073125	Q2747-01	08/04/2025	18:35	PS031359.D	7.76	0.00
OU4-TS-GRILLO-OG4-073125	Q2747-05	08/04/2025	19:24	PS031361.D	7.75	0.00
OU4-TS-GRILLO-TSCP01-073125	Q2747-07	08/04/2025	19:48	PS031362.D	7.75	0.00
289MS	Q2753-01MS	08/04/2025	21:01	PS031365.D	7.75	0.00
289MSD	Q2753-01MSD	08/04/2025	21:25	PS031366.D	7.75	0.00
I.BLK	I.BLK	08/04/2025	21:49	PS031367.D	7.75	0.00
HSTDCCC750	HSTDCCC750	08/04/2025	22:13	PS031368.D	7.75	0.00
I.BLK	I.BLK	08/05/2025	11:00	PS031370.D	7.75	0.00
HSTDCCC750	HSTDCCC750	08/05/2025	11:25	PS031371.D	7.75	0.00
OU4-TS-GRILLO-OG2-073125RE	Q2747-01RE	08/05/2025	12:50	PS031372.D	7.75	0.00
OU4-TS-GRILLO-OG3-073125	Q2747-03	08/05/2025	13:14	PS031373.D	7.75	0.00
OU4-TS-GRILLO-TSCP02-073125	Q2747-09	08/05/2025	14:58	PS031374.D	7.75	0.00
I.BLK	I.BLK	08/05/2025	15:24	PS031375.D	7.75	0.00
HSTDCCC750	HSTDCCC750	08/05/2025	15:48	PS031376.D	7.75	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

289MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: Q2753-01MS **Date(s) Analyzed:** 08/04/2025 08/04/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Dalapon	1	2.68	2.63	2.73	62.7	62
	2	2.70	2.65	2.75	119	
DICHLORPROP	1	8.20	8.15	8.25	97.6	1
	2	8.67	8.62	8.72	98.6	
2,4-D	1	8.43	8.38	8.48	151	18.8
	2	9.01	8.96	9.06	125	
2,4,5-TP(Silvex)	1	9.31	9.26	9.36	92.0	8.3
	2	9.91	9.86	9.96	84.7	
2,4,5-T	1	9.60	9.55	9.65	116	26.8
	2	10.34	10.29	10.39	88.6	
2,4-DB	1	10.18	10.13	10.23	87.8	22.4
	2	10.91	10.86	10.96	70.1	
Dinoseb	1	11.38	11.33	11.43	12.8	3.8
	2	11.29	11.24	11.34	13.3	
DICAMBA	1	7.49	7.44	7.54	116	9
	2	7.95	7.90	8.00	106	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

289MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: Q2753-01MSD **Date(s) Analyzed:** 08/04/2025 08/04/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Dalapon	1	2.68	2.63	2.73	44.5	95
	2	2.70	2.65	2.75	125	
DICHLORPROP	1	8.20	8.15	8.25	95.9	7.1
	2	8.67	8.62	8.72	89.3	
2,4-D	1	8.43	8.38	8.48	147	17
	2	9.01	8.96	9.06	124	
2,4,5-TP(Silvex)	1	9.31	9.26	9.36	90.3	8.3
	2	9.91	9.86	9.96	83.1	
2,4,5-T	1	9.60	9.55	9.65	112	25.5
	2	10.34	10.29	10.39	86.7	
2,4-DB	1	10.18	10.13	10.23	84.4	27.2
	2	10.91	10.86	10.96	64.2	
Dinoseb	1	11.38	11.33	11.43	12.0	8
	2	11.29	11.24	11.34	13.0	
DICAMBA	1	7.49	7.44	7.54	114	9.2
	2	7.95	7.90	8.00	104	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169091BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2747

Lab Sample ID: PB169091BS **Date(s) Analyzed:** 08/04/2025 08/04/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-T	1	9.61	9.56	9.66	207	22.6
	2	10.34	10.29	10.39	165	
2,4,5-TP(Silvex)	1	9.31	9.26	9.36	193	14.4
	2	9.91	9.86	9.96	167	
2,4-D	1	8.43	8.38	8.48	196	19
	2	9.01	8.96	9.06	162	
2,4-DB	1	10.18	10.13	10.23	199	21.7
	2	10.91	10.86	10.96	160	
Dalapon	1	2.68	2.63	2.73	165	6.3
	2	2.70	2.65	2.75	155	
DICHLORPROP	1	8.20	8.15	8.25	180	13.6
	2	8.67	8.62	8.72	157	
Dinoseb	1	11.39	11.34	11.44	190	17.1
	2	11.29	11.24	11.34	160	
DICAMBA	1	7.49	7.44	7.54	177	10.1
	2	7.95	7.90	8.00	160	

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB169091BL	SDG No.:	Q2747
Lab Sample ID:	PB169091BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031354.D	1	08/04/25 08:25	08/04/25 16:35	PB169091

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	504		27 - 122		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\PS080425\
Data File : PS031354.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 16:35
Operator : AR\AJ
Sample : PB169091BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169091BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.303	7.752	1467.3E6	404.3E6	503.621	484.169
	Target Compounds						

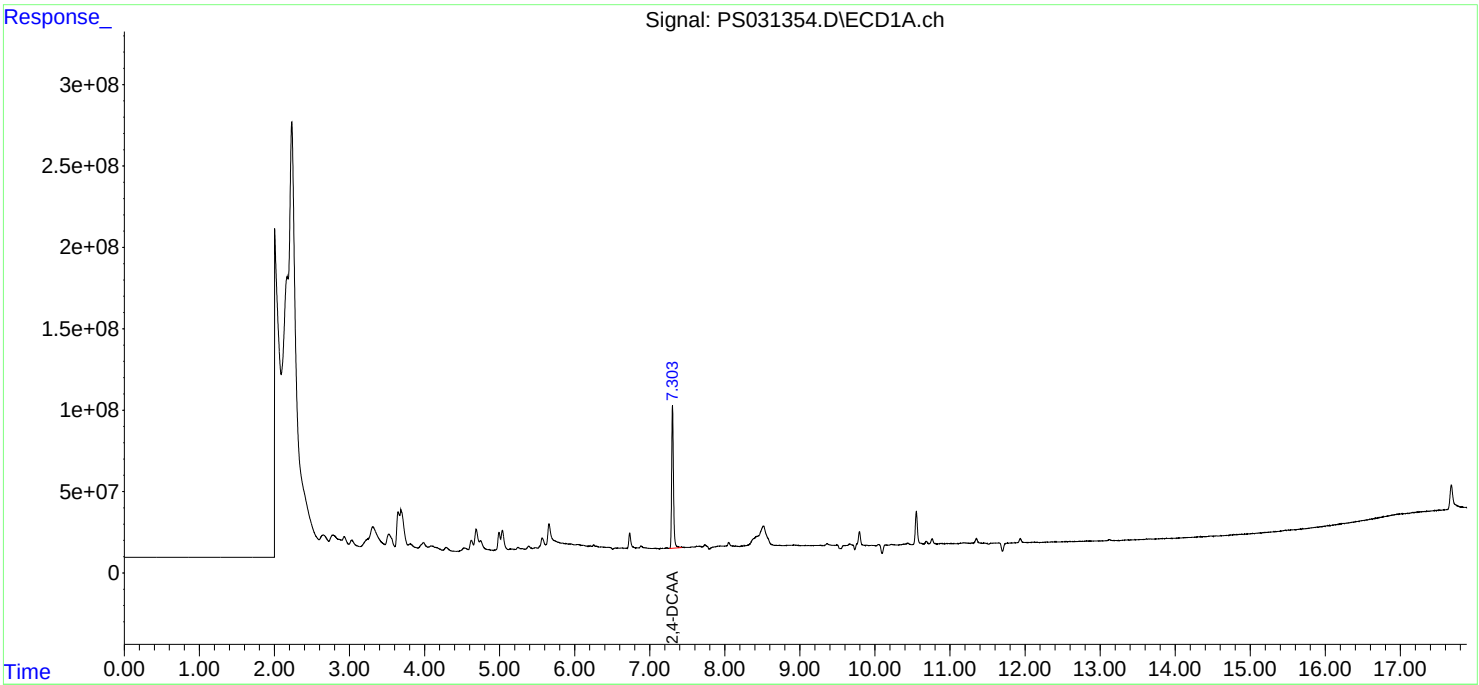
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

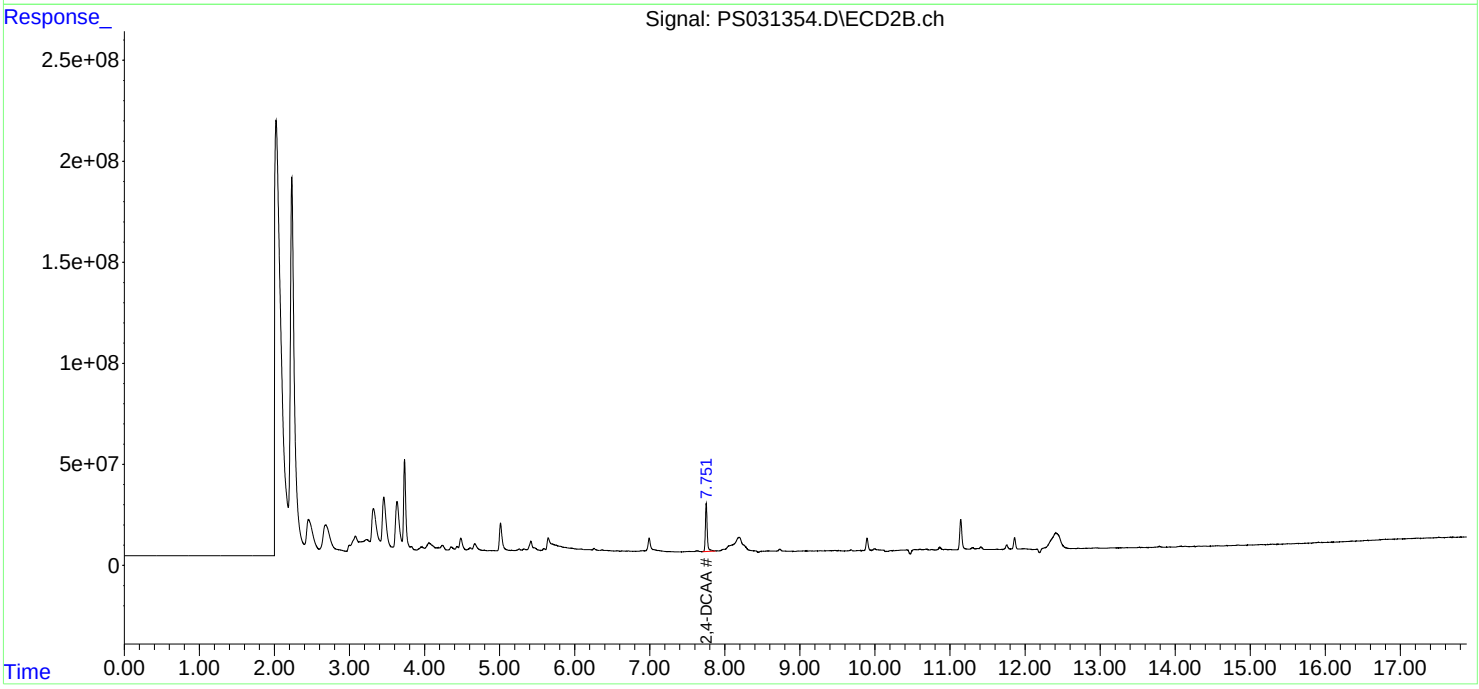
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031354.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 16:35
Operator : AR\AJ
Sample : PB169091BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

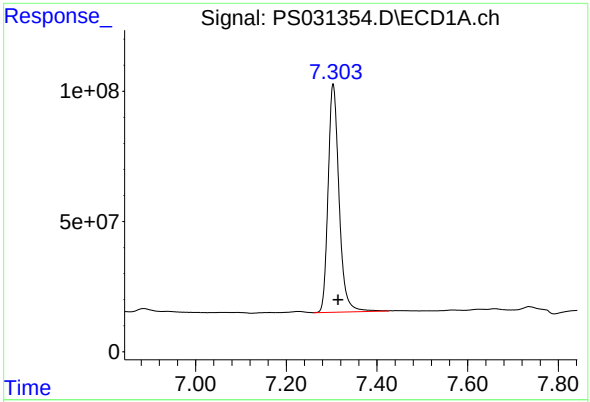
Instrument :
ECD_S
ClientSampleId :
PB169091BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:45:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



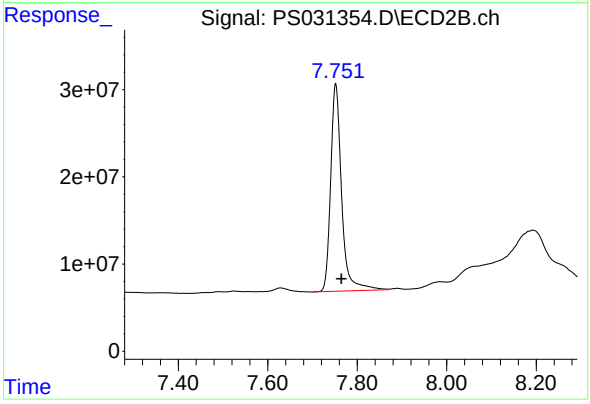




#4 2,4-DCAA

R.T.: 7.303 min
Delta R.T.: -0.011 min
Response: 1467252639
Conc: 503.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BL



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.012 min
Response: 404320488
Conc: 484.17 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/29/25
Project:	Raymark Superfund Site	Date Received:	07/29/25
Client Sample ID:	PIBLK-PS031274.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PS031274.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
PS031274.D	1		07/29/25	PS072925

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	491		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\PS072925\
Data File : PS031274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:06
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 29 18:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.316	7.766	1175.8E6	409.9E6	403.573	490.802
	Target Compounds						

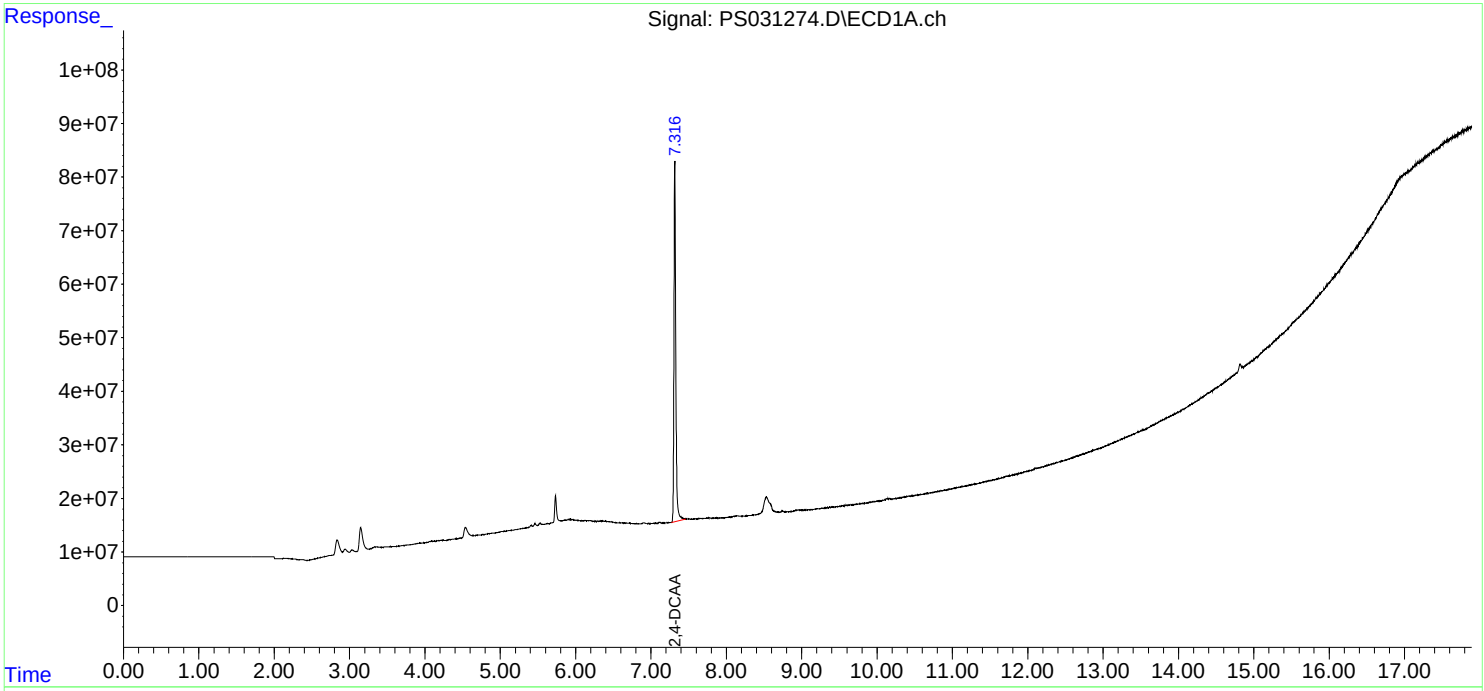
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

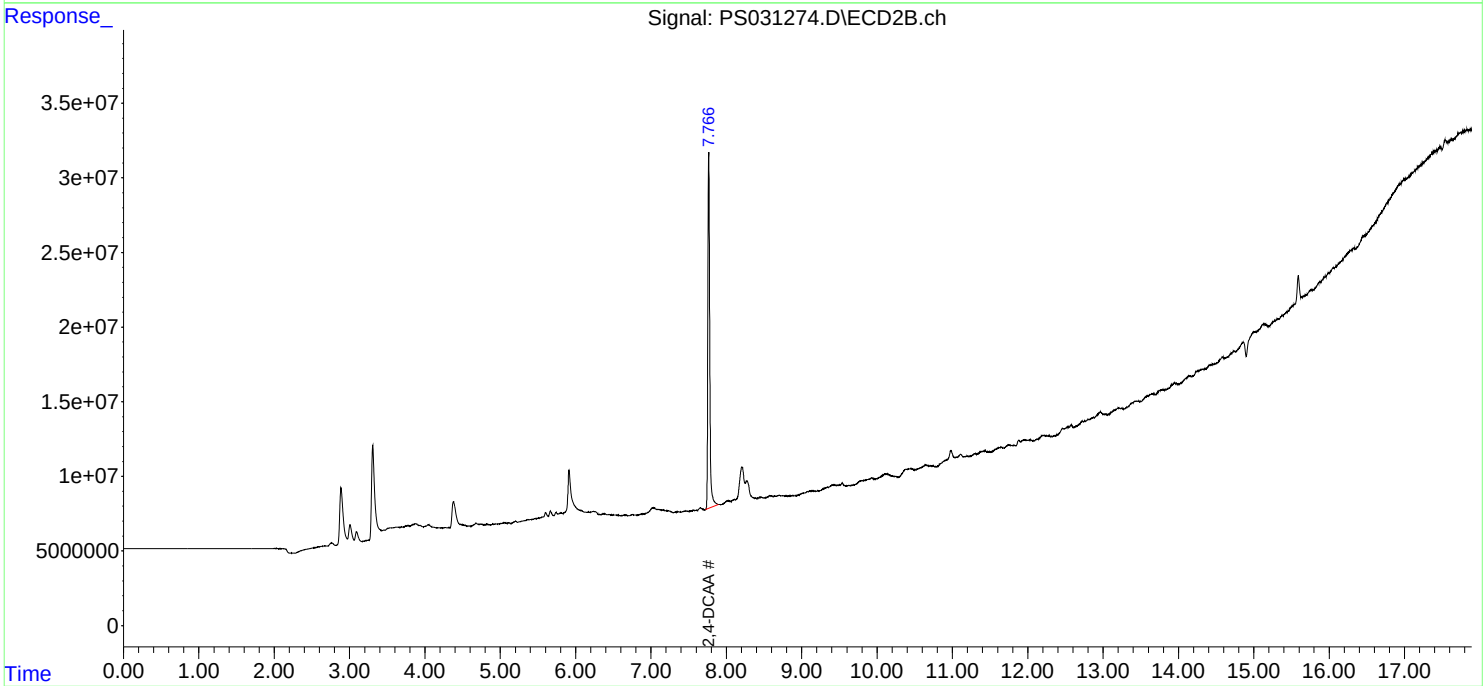
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:06
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

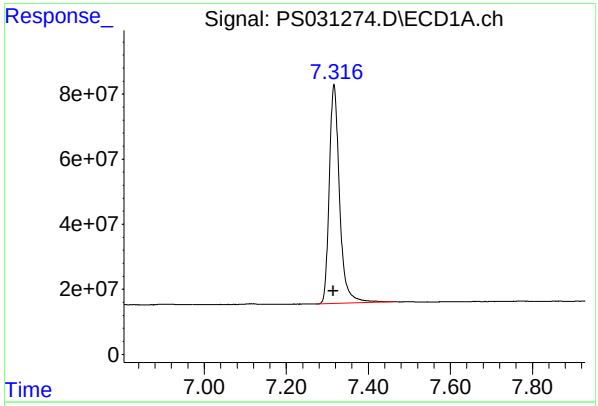
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



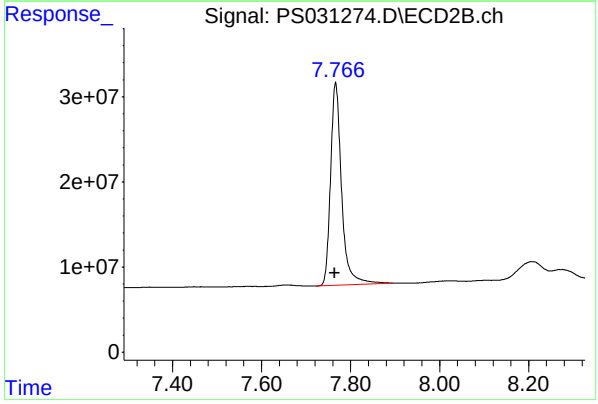




#4 2,4-DCAA

R.T.: 7.316 min
Delta R.T.: 0.002 min
Response: 1175772628
Conc: 403.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: 0.002 min
Response: 409859184
Conc: 490.80 ng/ml

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Report of Analysis

Client:	Nobis Group	Date Collected:	08/04/25
Project:	Raymark Superfund Site	Date Received:	08/04/25
Client Sample ID:	PIBLK-PS031352.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PS031352.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
PS031352.D	1		08/04/25	ps080425

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	509		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\PS080425\
Data File : PS031352.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 09:46
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:44:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.302	7.754	1483.2E6	411.7E6	509.094	493.003
	Target Compounds						

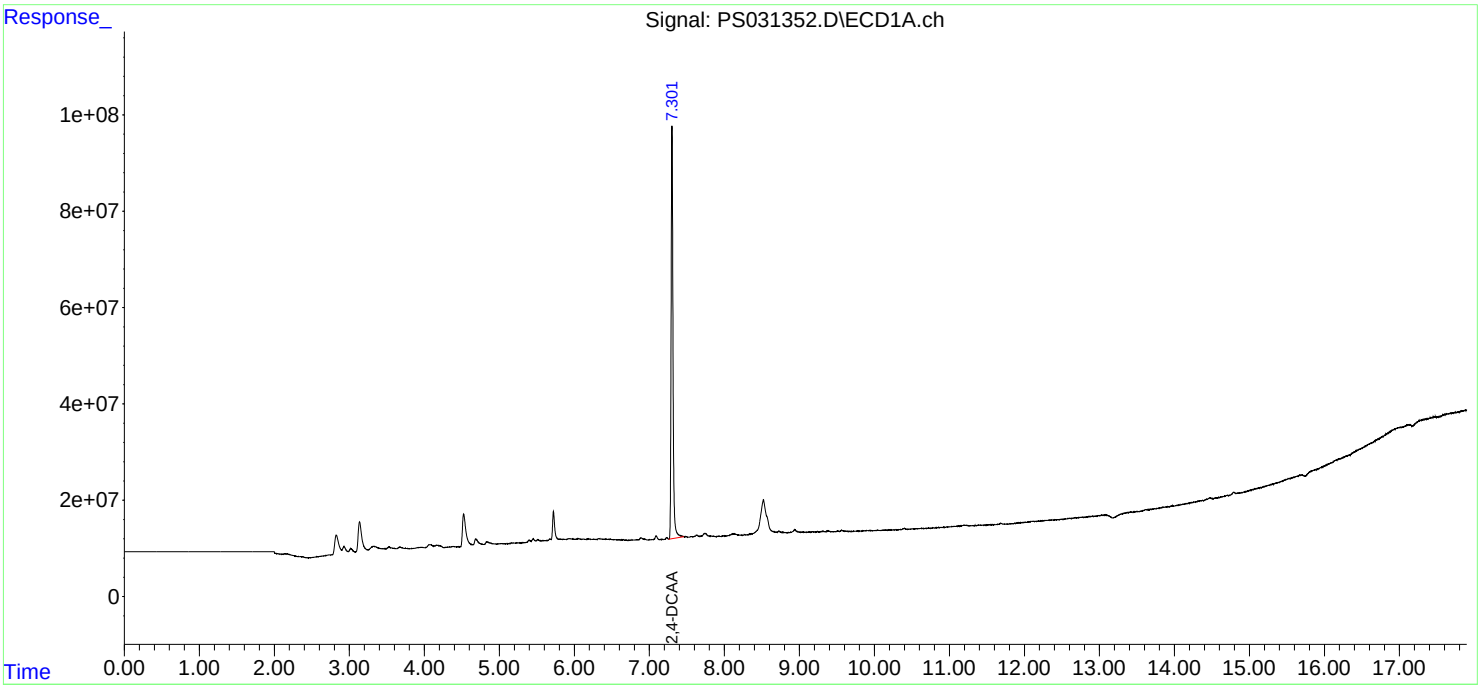
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

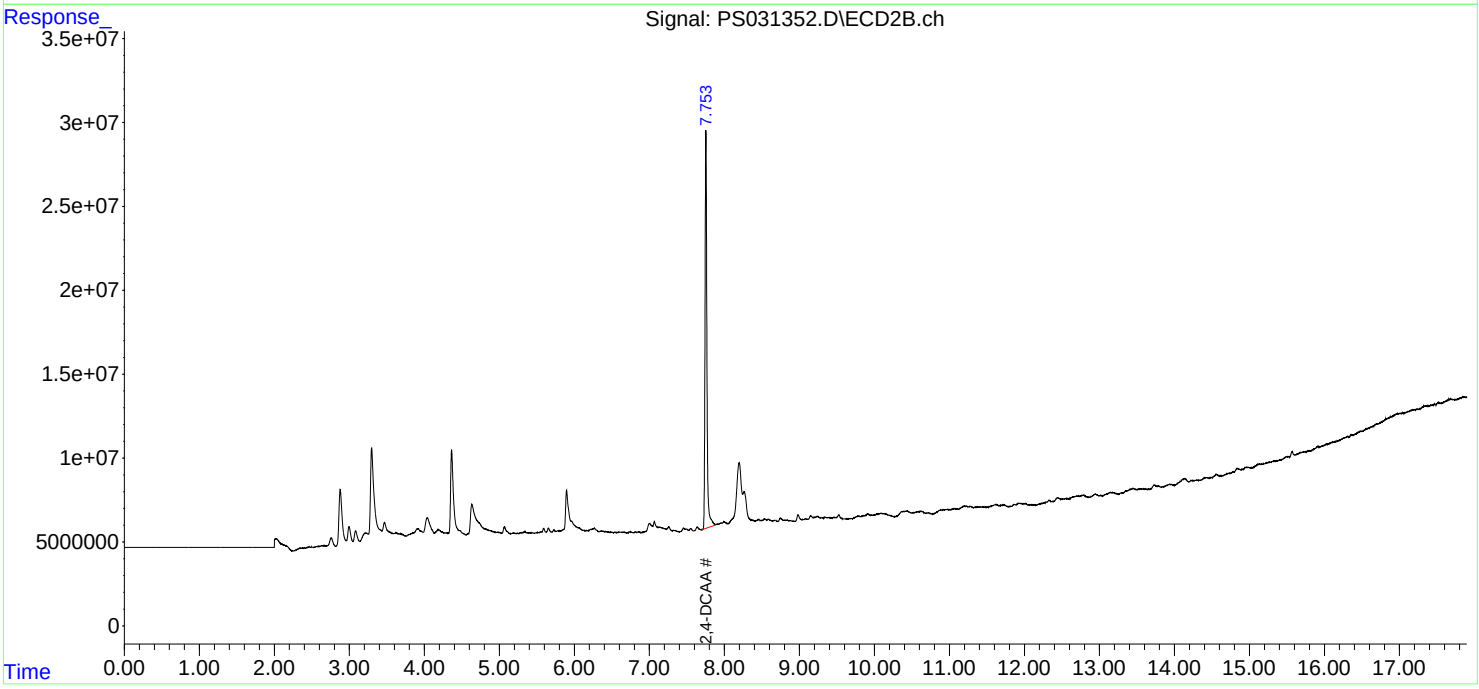
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031352.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 09:46
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

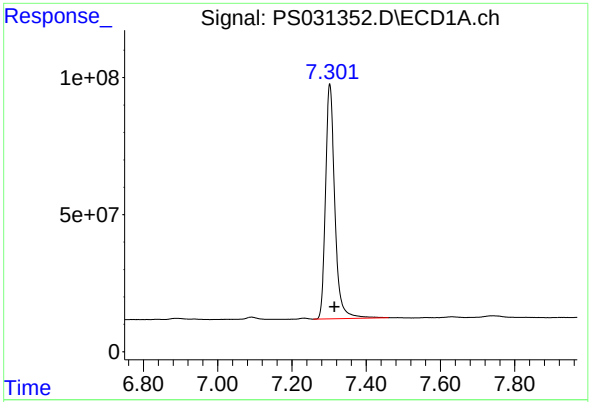
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:44:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



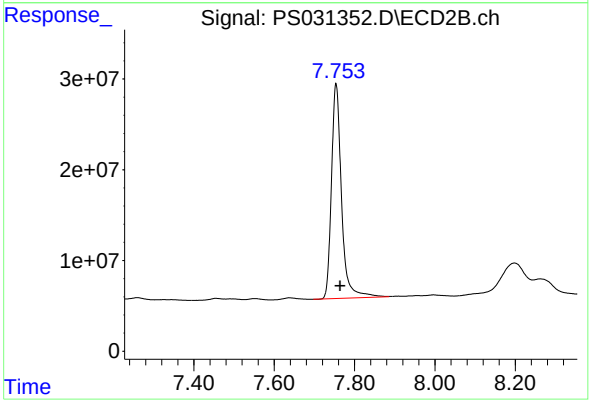




#4 2,4-DCAA

R.T.: 7.302 min
Delta R.T.: -0.013 min
Response: 1483195388
Conc: 509.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.754 min
Delta R.T.: -0.010 min
Response: 411697790
Conc: 493.00 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/04/25
Project:	Raymark Superfund Site	Date Received:	08/04/25
Client Sample ID:	PIBLK-PS031357.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PS031357.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
PS031357.D	1		08/04/25	ps080425

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	498		32 - 138		100%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031357.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 17:47
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: Aug 05 01:46:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.302	7.756	1450.0E6	415.3E6	497.714	497.369
	Target Compounds						

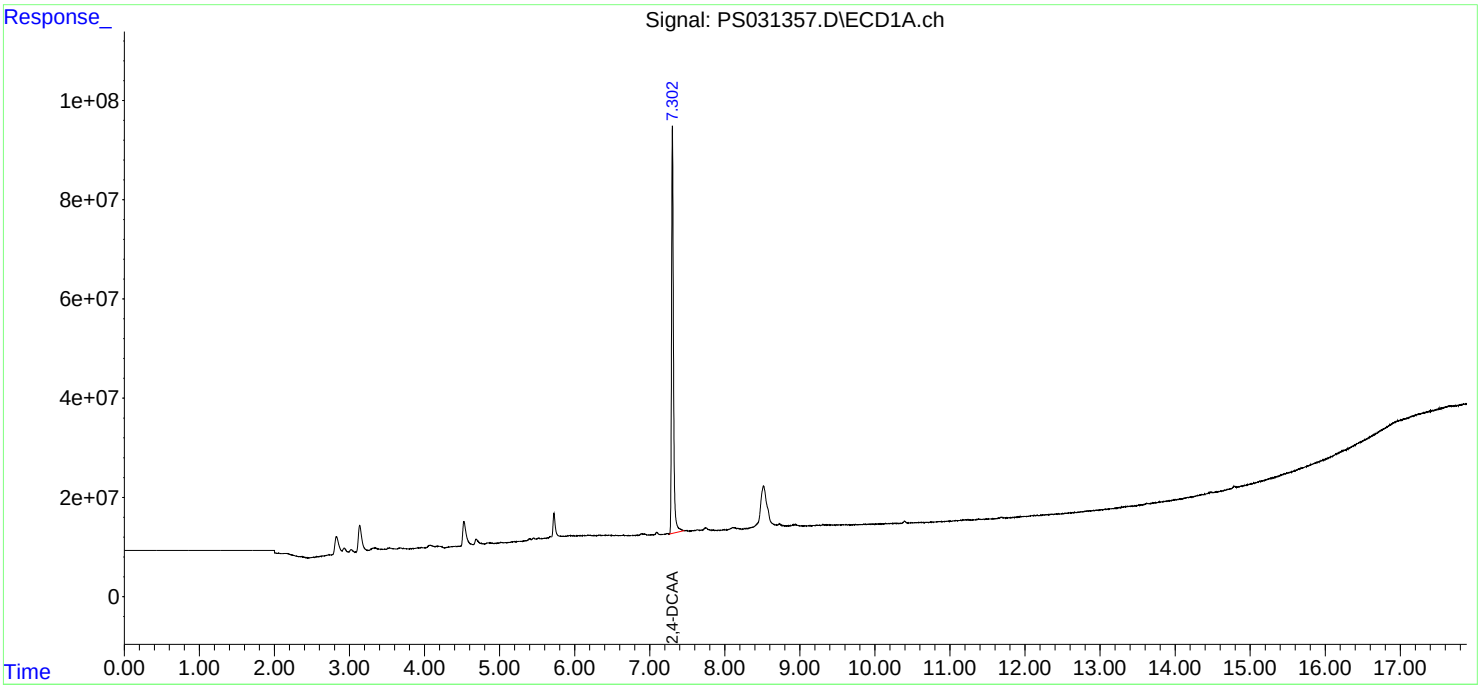
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

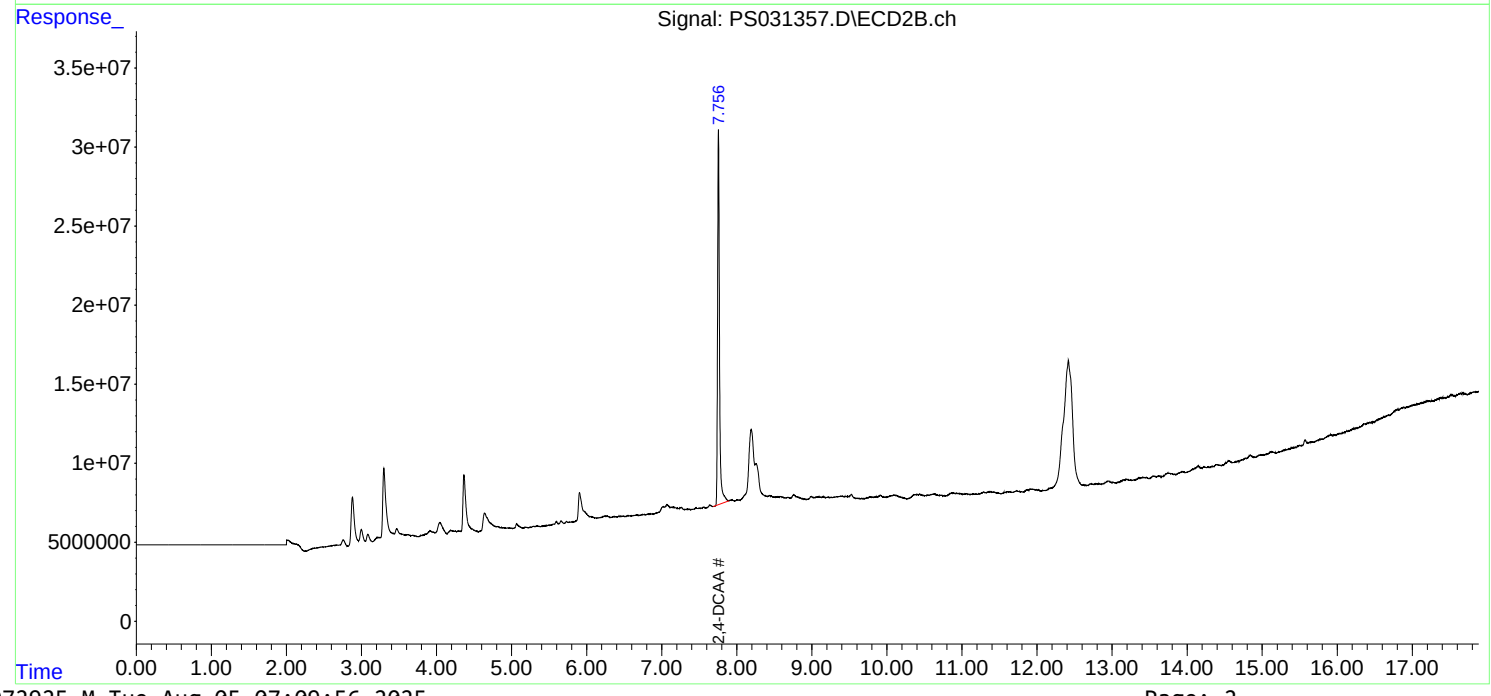
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031357.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 17:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

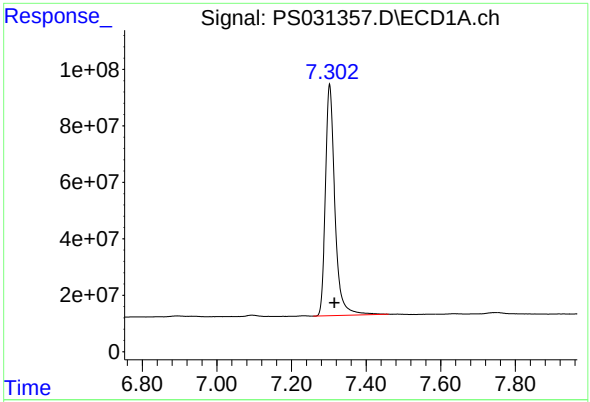
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:46:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.25µm



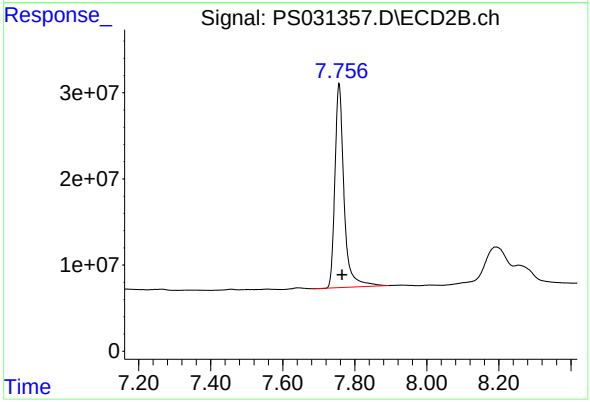




#4 2,4-DCAA

R.T.: 7.302 min
Delta R.T.: -0.013 min
Response: 1450042439
Conc: 497.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.756 min
Delta R.T.: -0.008 min
Response: 415343154
Conc: 497.37 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/04/25
Project:	Raymark Superfund Site	Date Received:	08/04/25
Client Sample ID:	PIBLK-PS031367.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PS031367.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
PS031367.D	1		08/04/25	ps080425

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	513		32 - 138		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\PS080425\
Data File : PS031367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 21:49
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: Aug 05 01:49:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.301	7.754	1474.9E6	428.0E6	506.232	512.545
	Target Compounds						

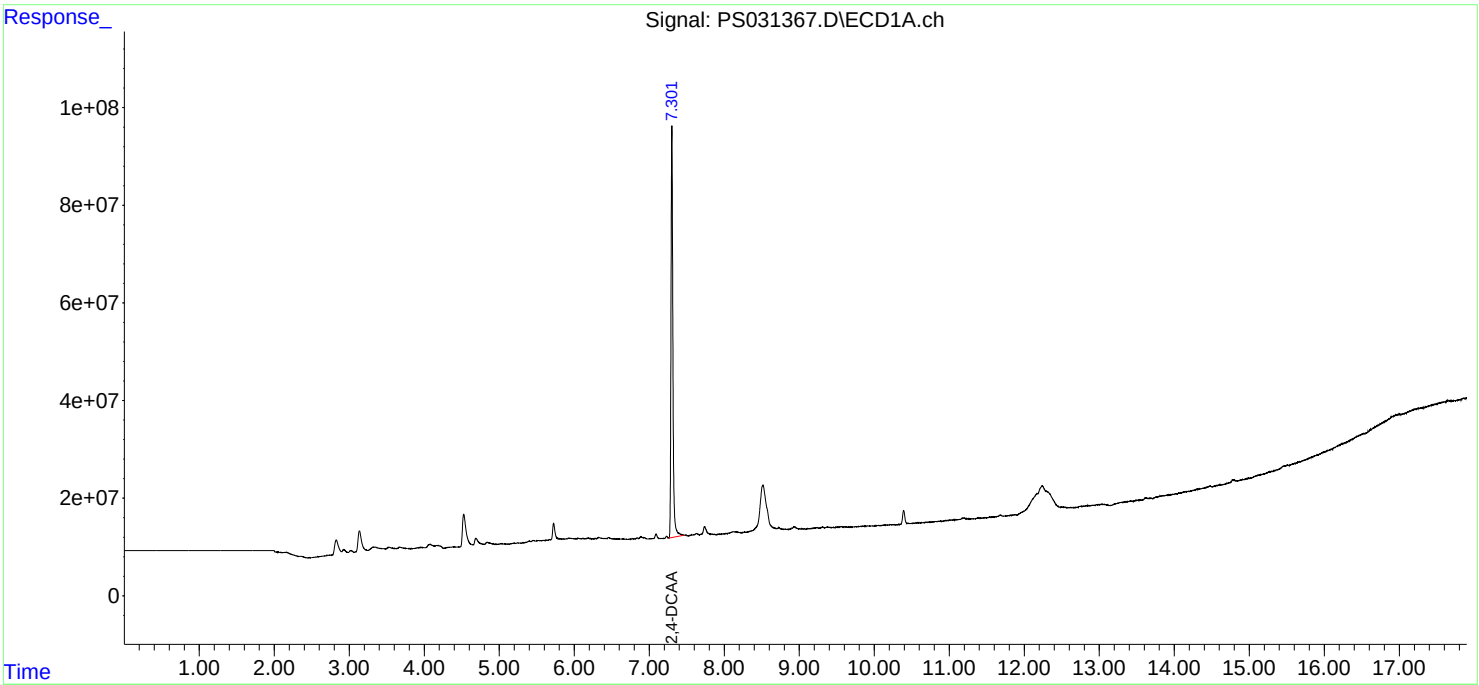
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

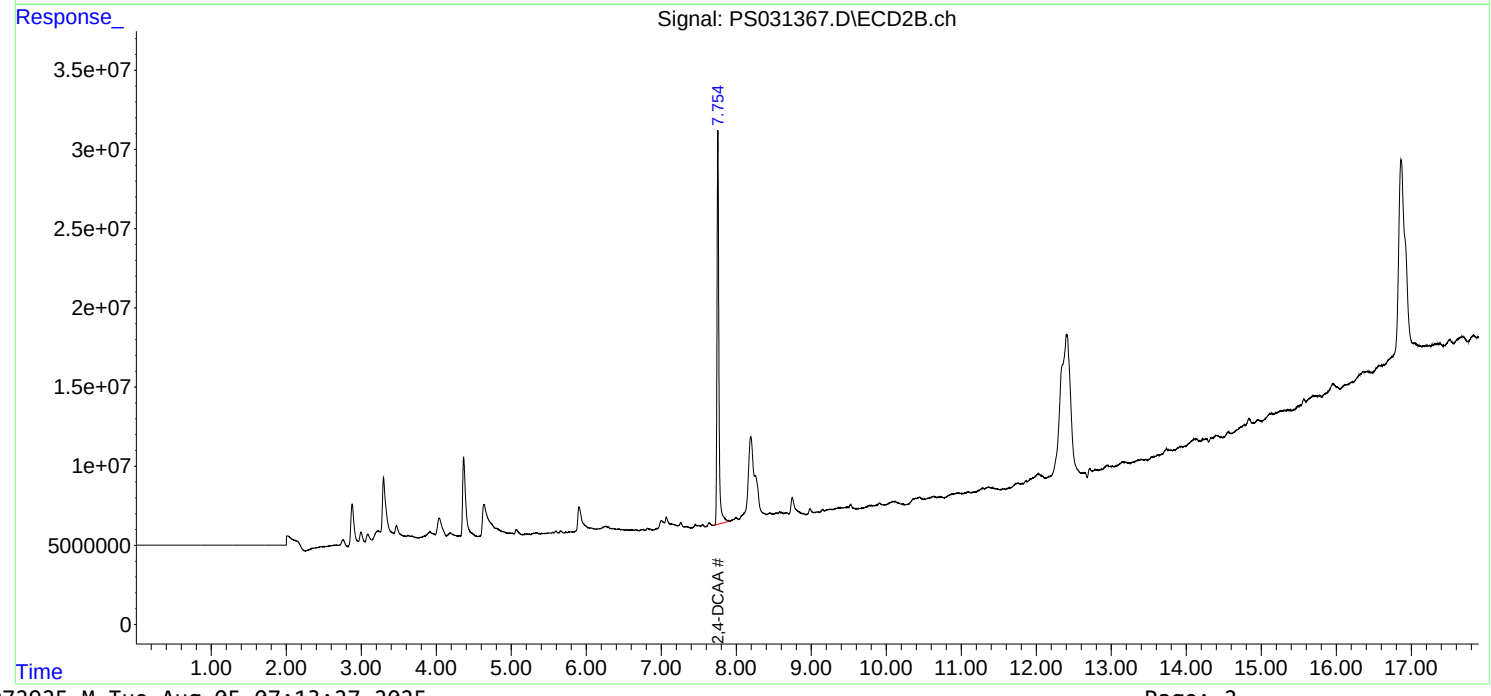
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 21:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

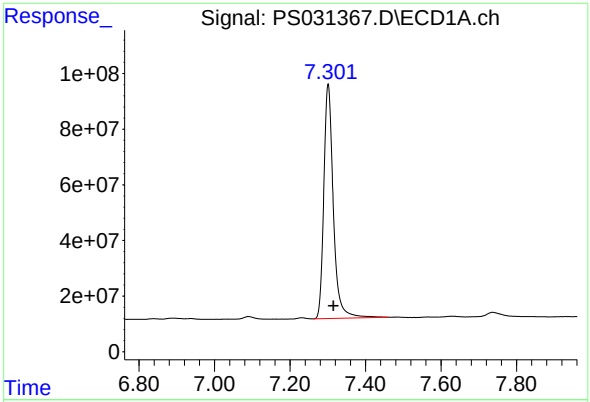
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:49:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



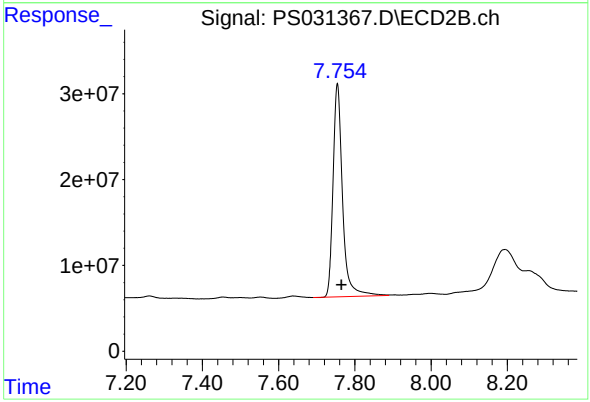




#4 2,4-DCAA

R.T.: 7.301 min
Delta R.T.: -0.014 min
Response: 1474858347
Conc: 506.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.754 min
Delta R.T.: -0.010 min
Response: 428016571
Conc: 512.54 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/05/25
Project:	Raymark Superfund Site	Date Received:	08/05/25
Client Sample ID:	PIBLK-PS031370.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PS031370.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
PS031370.D	1		08/05/25	PS080525

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	515		32 - 138		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\PS080525\
Data File : PS031370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 11:00
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: Aug 06 03:48:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.300	7.752	1499.5E6	426.3E6	514.685	510.498
	Target Compounds						

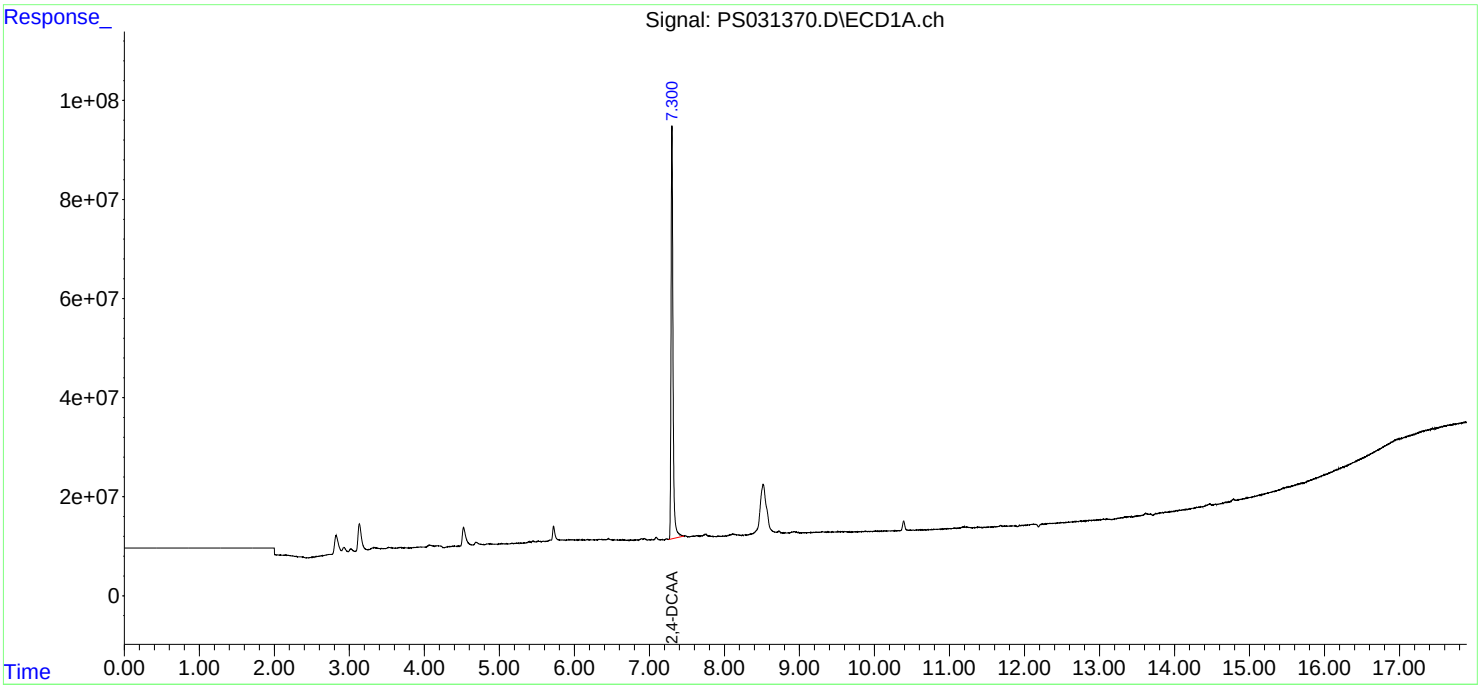
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

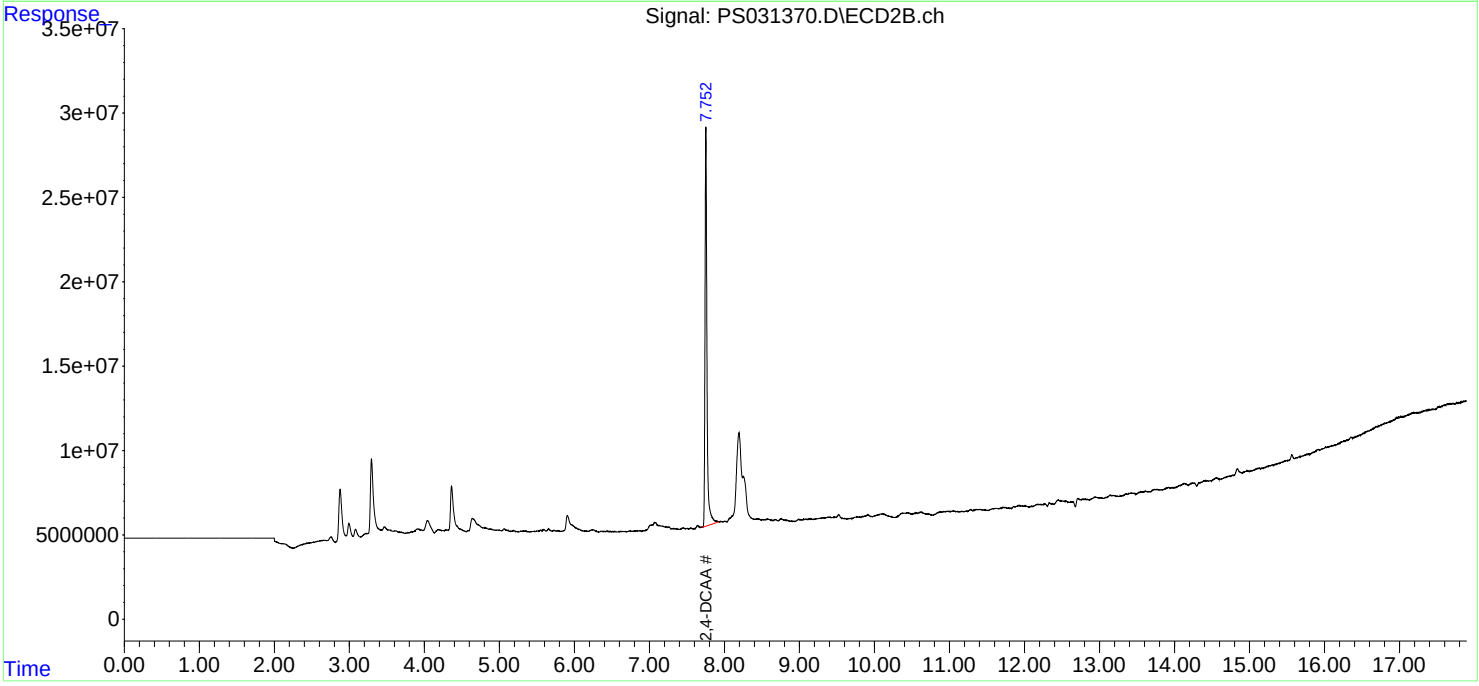
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 11:00
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

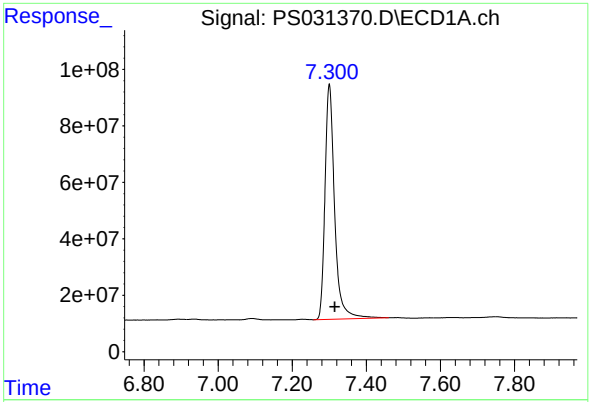
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:48:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



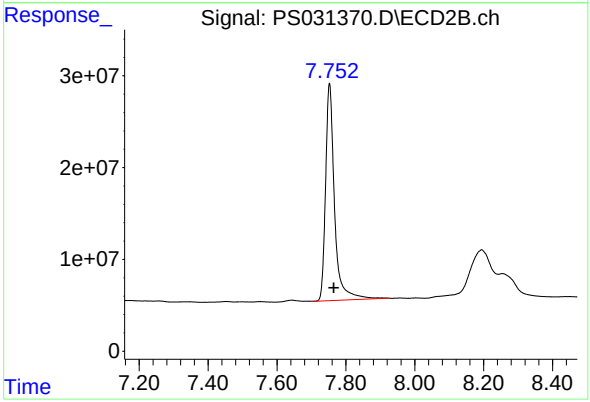




#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.014 min
Response: 1499485969
Conc: 514.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.012 min
Response: 426307128
Conc: 510.50 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:	08/05/25
Project:	Raymark Superfund Site	Date Received:	08/05/25
Client Sample ID:	PIBLK-PS031375.D	SDG No.:	Q2747
Lab Sample ID:	I.BLK-PS031375.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
PS031375.D	1		08/05/25	PS080525

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	517		32 - 138		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\PS080525\
Data File : PS031375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 15:24
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: Aug 06 03:49:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.299	7.752	1505.9E6	431.2E6	516.883	516.406
	Target Compounds						

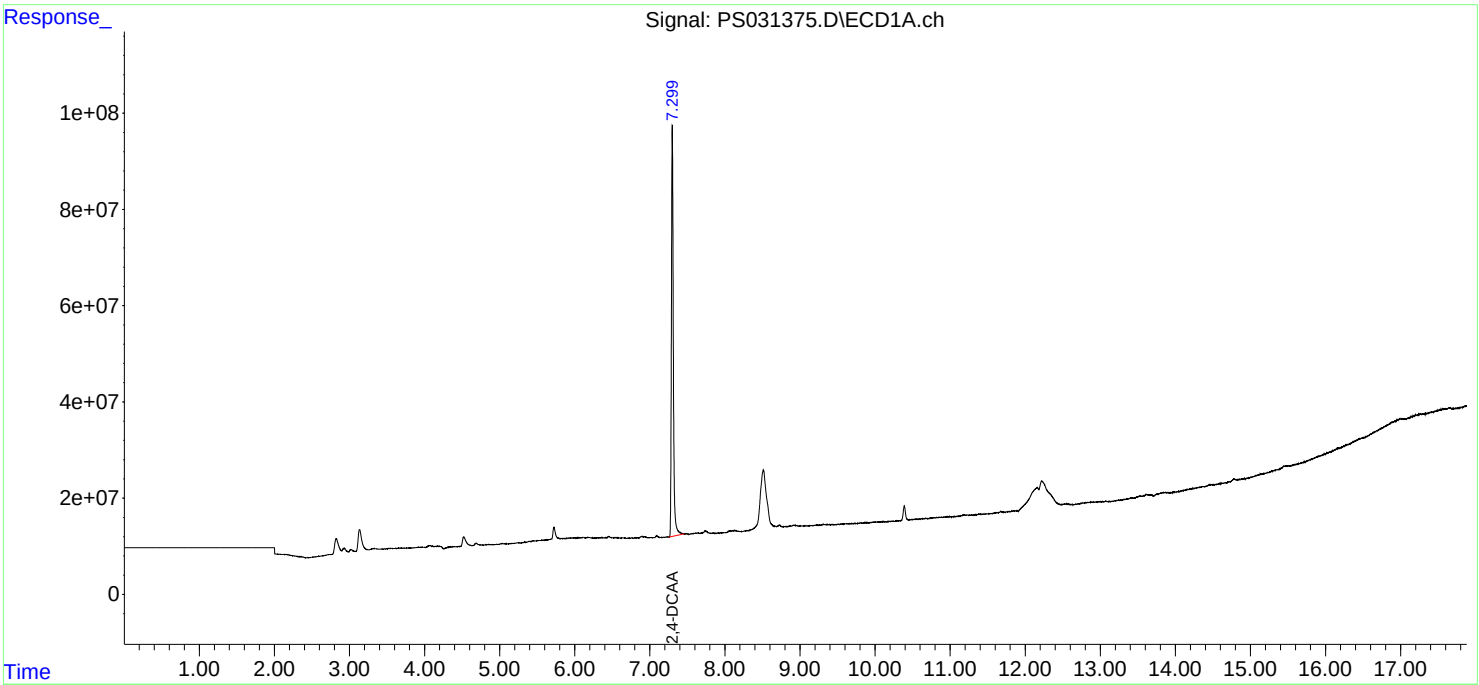
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

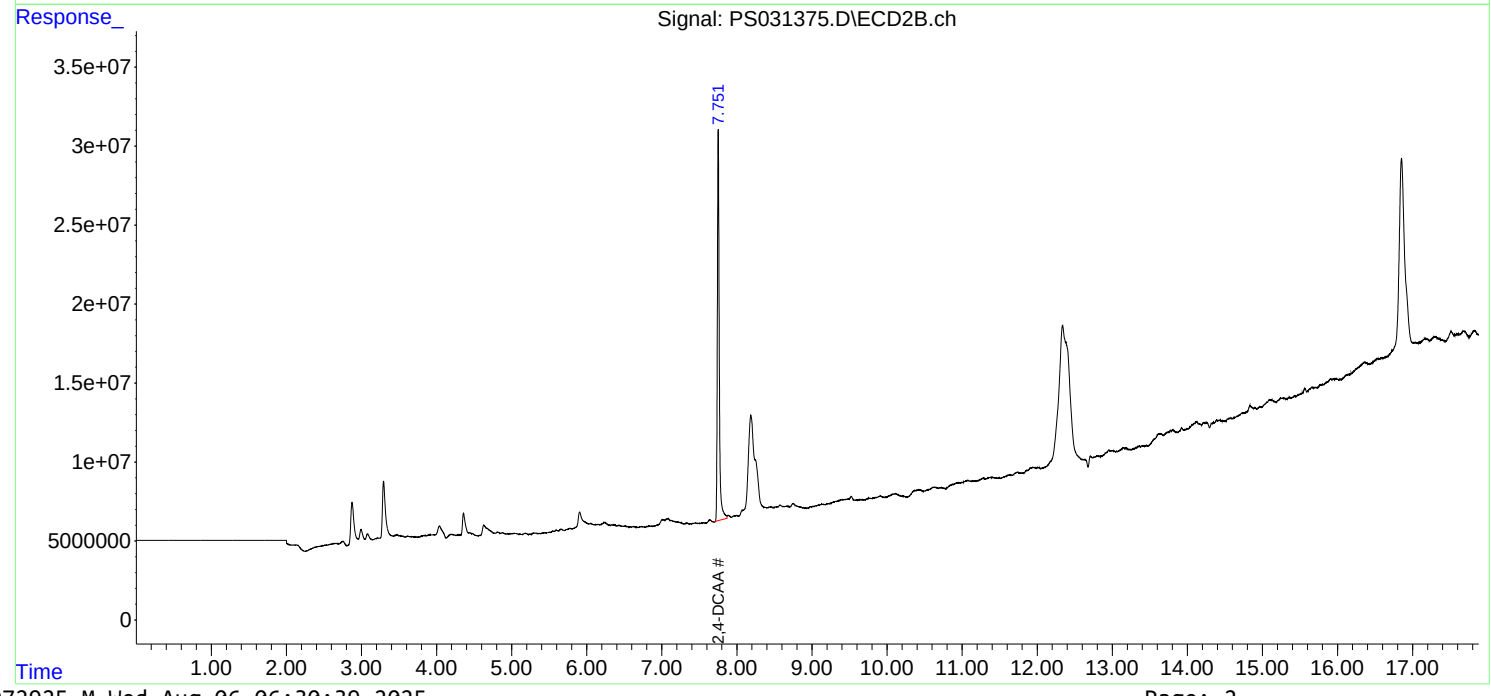
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 15:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

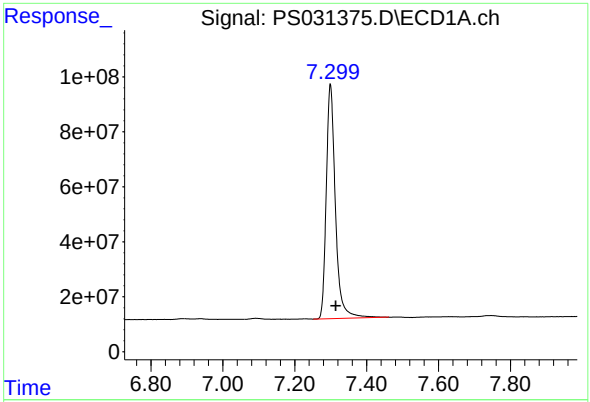
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:49:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.25µm



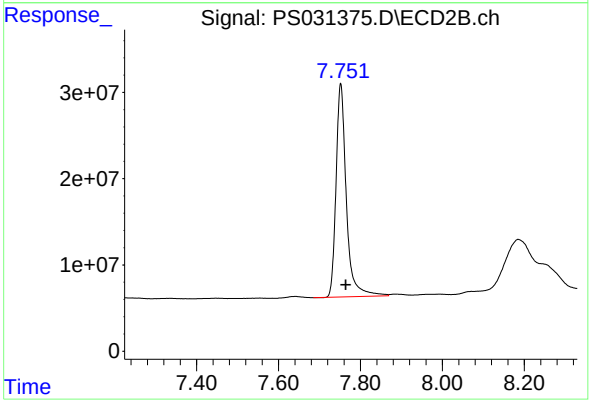




#4 2,4-DCAA

R.T.: 7.299 min
Delta R.T.: -0.015 min
Response: 1505888165
Conc: 516.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.012 min
Response: 431240444
Conc: 516.41 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:	PB169091BS	SDG No.:	Q2747
Lab Sample ID:	PB169091BS	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
PS031355.D	1	08/04/25 08:25	08/04/25 16:59	PB169091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.18		0.0077	0.033	0.067	mg/Kg
75-99-0	DALAPON	0.17		0.018	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.18		0.013	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.20		0.0090	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.19		0.0091	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.21		0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.20		0.024	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.19		0.011	0.033	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	599		27 - 122		120%	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\PS080425\
Data File : PS031355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 16:59
Operator : AR\AJ
Sample : PB169091BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169091BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:46:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.302	7.754	1745.5E6	432.8E6	599.129	518.280
	Target Compounds						
1) T	Dalapon	2.681	2.699	2394.7E6	1142.7E6	496.355	465.236
2) T	3,5-DICHL...	6.466	6.704	2348.7E6	633.7E6	550.968m	490.346
3) T	4-Nitroph...	7.104	7.296	609.6E6	594.1E6	598.739	460.234
5) T	DICAMBA	7.488	7.953	6846.9E6	2611.8E6	529.920m	481.811m
6) T	MCPP	7.668	8.049	435.6E6	90162626	54.156m	52.746m
7) T	MCPA	7.817	8.298	530.4E6	130.1E6	54.252	50.148
8) T	DICHLORPROP	8.198	8.672	1642.7E6	613.7E6	540.374	472.043
9) T	2,4-D	8.431	9.012	1526.8E6	677.2E6	588.742	485.241
10) T	Pentachlo...	8.729	9.525	26436.9E6	17280.7E6	581.302m	515.897
11) T	2,4,5-TP ...	9.310	9.910	9640.7E6	6349.6E6	578.631	499.856
12) T	2,4,5-T	9.605	10.339	8255.6E6	5762.6E6	620.690	494.024
13) T	2,4-DB	10.181	10.907	1046.0E6	464.1E6	598.665m	480.507
14) T	DINOSEB	11.386	11.287	6532.1E6	4494.6E6	569.818	481.227
15) T	Picloram	11.206	12.404	6916.9E6	8578.3E6	590.702m	501.806
16) T	DCPA	11.684	12.329	12627.0E6	9907.8E6	608.939m	531.197m

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

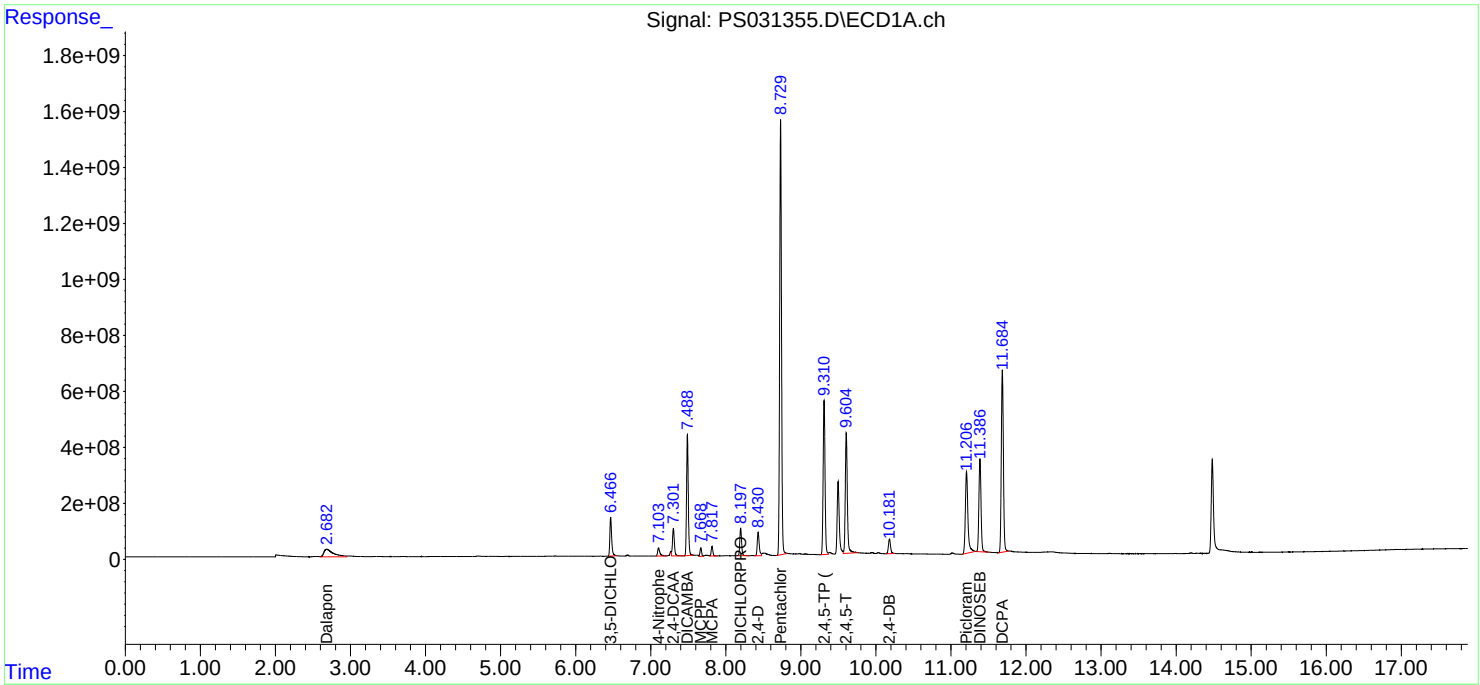
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 16:59
Operator : AR\AJ
Sample : PB169091BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

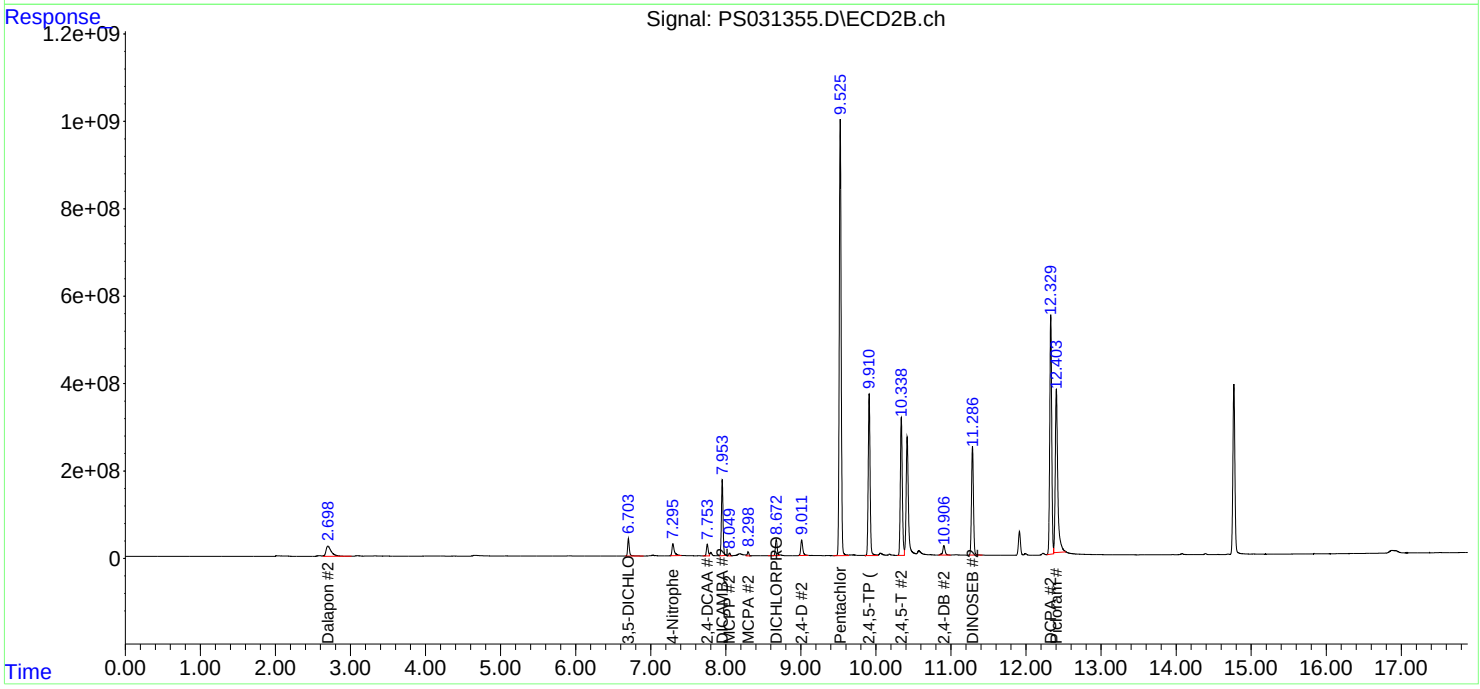
Instrument :
ECD_S
ClientSampleId :
PB169091BS

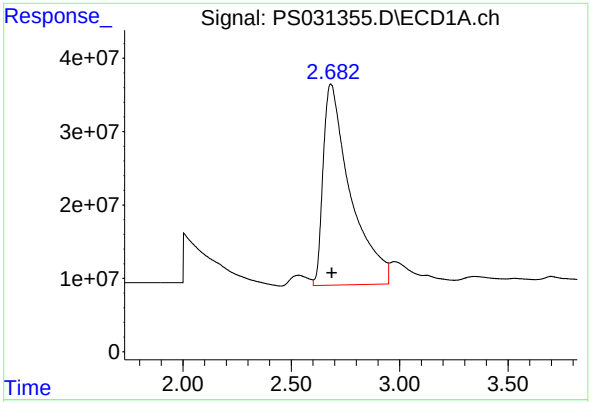
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:46:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







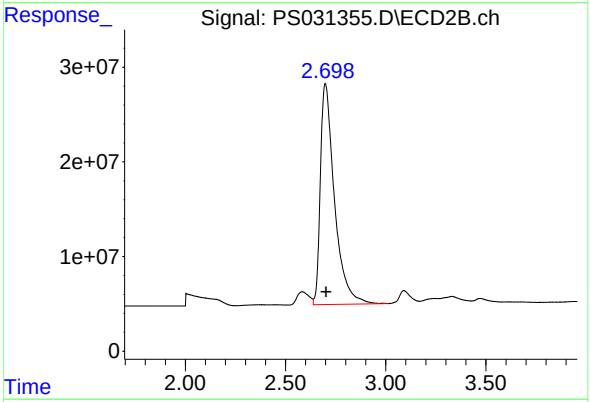
#1 Dalapon

R.T.: 2.681 min
Delta R.T.: -0.006 min
Response: 2394693987
Conc: 496.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS

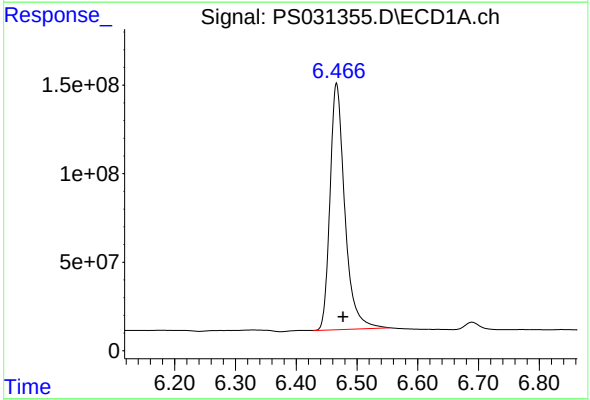
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



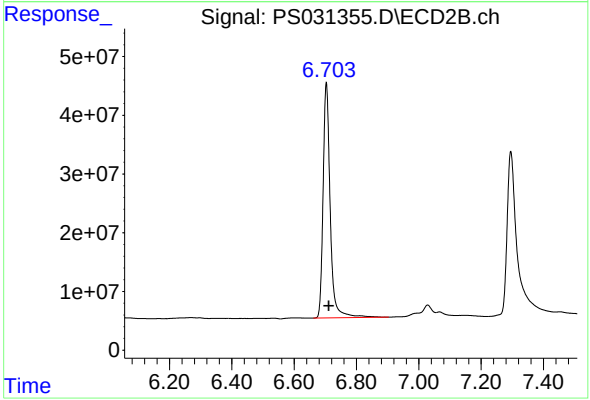
#1 Dalapon

R.T.: 2.699 min
Delta R.T.: -0.004 min
Response: 1142706785
Conc: 465.24 ng/ml



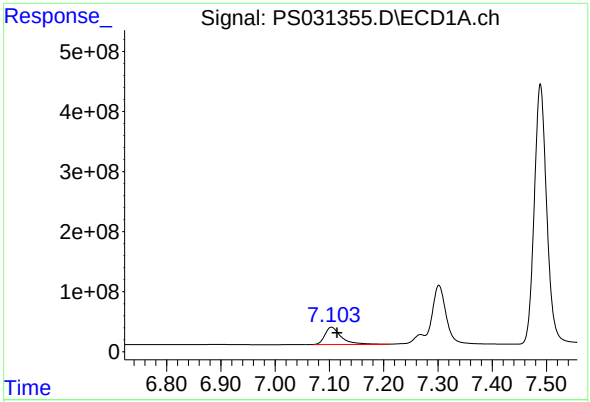
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.466 min
Delta R.T.: -0.011 min
Response: 2348738913
Conc: 550.97 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.704 min
Delta R.T.: -0.007 min
Response: 633659870
Conc: 490.35 ng/ml



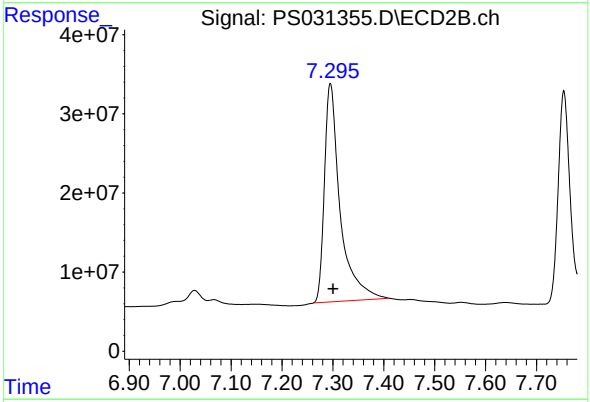
#3 4-Nitrophenol

R.T.: 7.104 min
Delta R.T.: -0.011 min
Response: 609636949
Conc: 598.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS

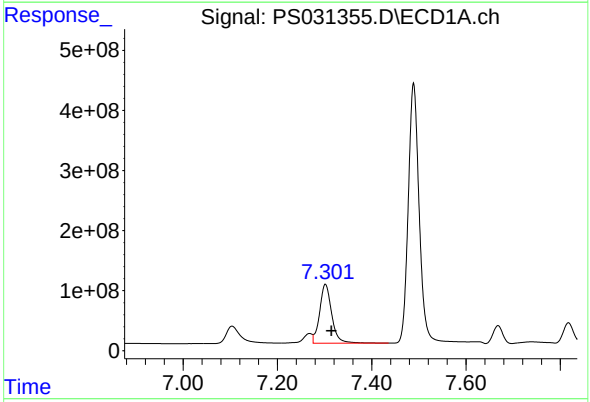
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



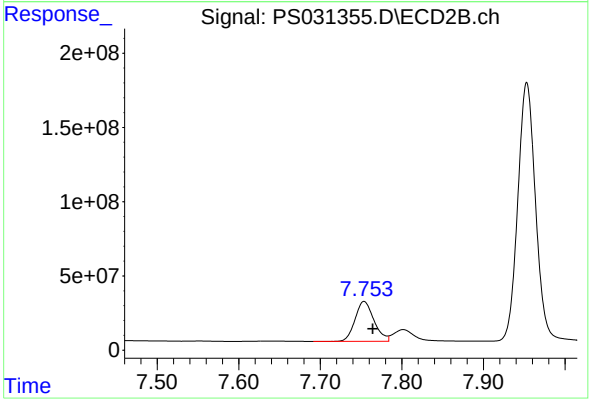
#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: -0.004 min
Response: 594121758
Conc: 460.23 ng/ml



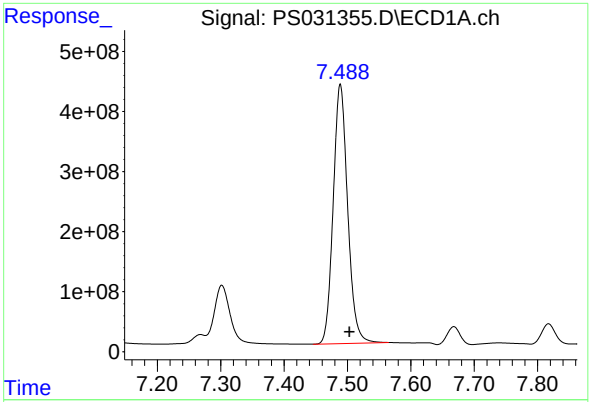
#4 2,4-DCAA

R.T.: 7.302 min
Delta R.T.: -0.013 min
Response: 1745504956
Conc: 599.13 ng/ml



#4 2,4-DCAA

R.T.: 7.754 min
Delta R.T.: -0.010 min
Response: 432806144
Conc: 518.28 ng/ml



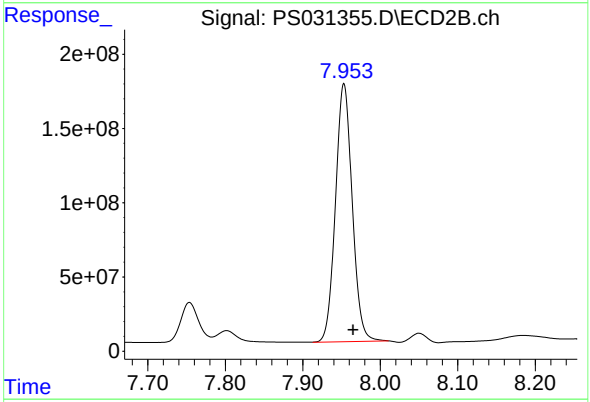
#5 DICAMBA

R.T.: 7.488 min
Delta R.T.: -0.015 min
Response: 6846883083
Conc: 529.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS

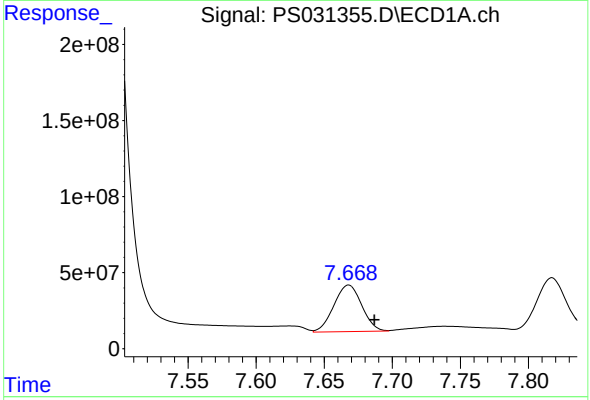
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



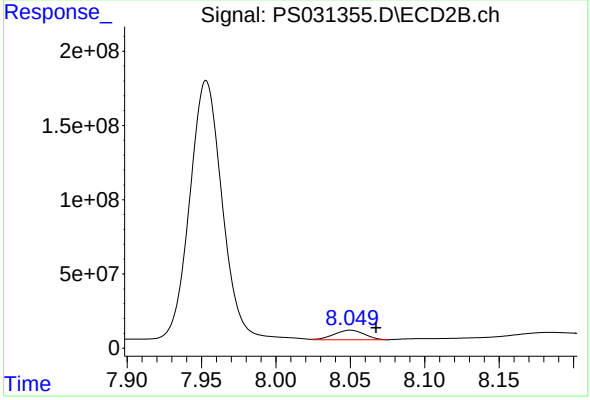
#5 DICAMBA

R.T.: 7.953 min
Delta R.T.: -0.012 min
Response: 2611826320
Conc: 481.81 ng/ml m



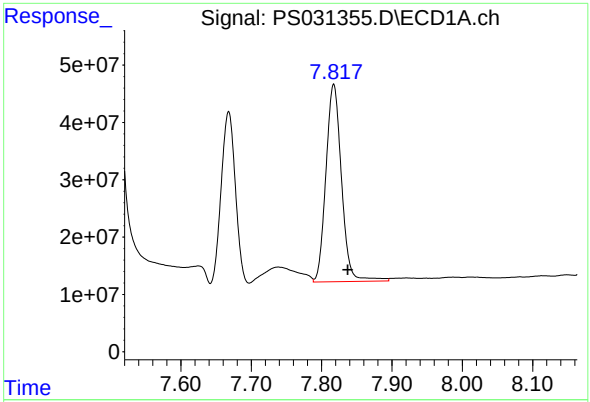
#6 MCPP

R.T.: 7.668 min
Delta R.T.: -0.019 min
Response: 435563616
Conc: 54.16 ug/ml m



#6 MCPP

R.T.: 8.049 min
Delta R.T.: -0.018 min
Response: 90162626
Conc: 52.75 ug/ml m



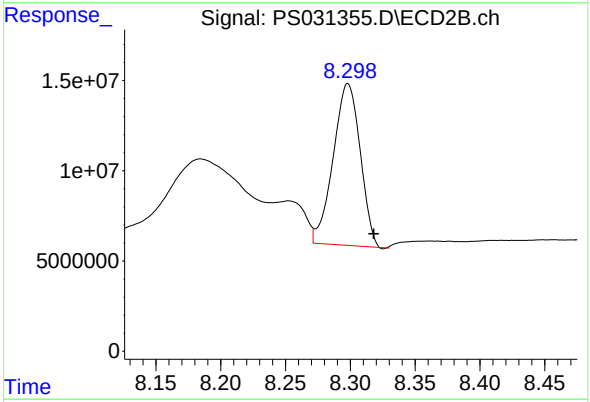
#7 MCPA

R.T.: 7.817 min
Delta R.T.: -0.020 min
Response: 530370297
Conc: 54.25 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS

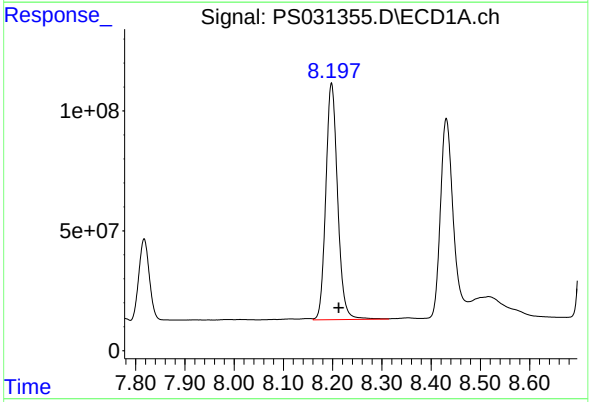
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



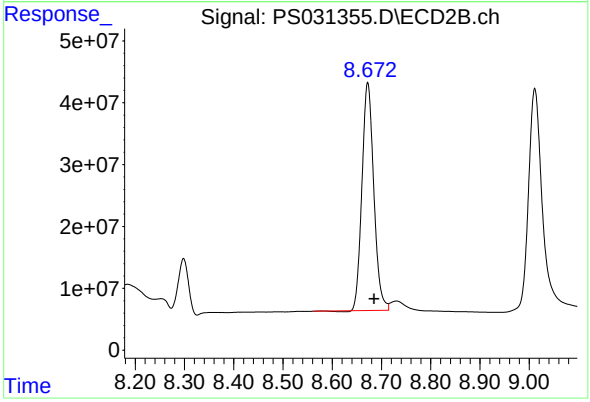
#7 MCPA

R.T.: 8.298 min
Delta R.T.: -0.020 min
Response: 130081949
Conc: 50.15 ug/ml



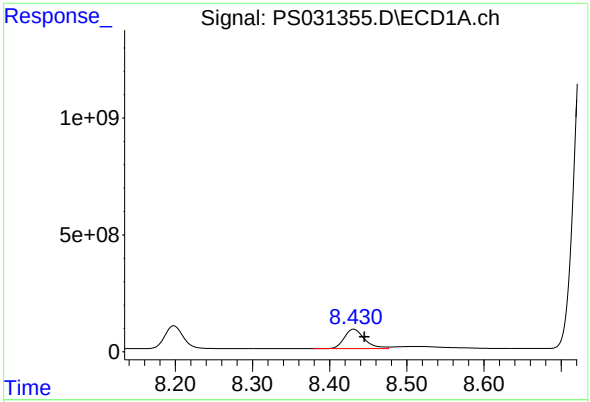
#8 DICHLORPROP

R.T.: 8.198 min
Delta R.T.: -0.015 min
Response: 1642742439
Conc: 540.37 ng/ml



#8 DICHLORPROP

R.T.: 8.672 min
Delta R.T.: -0.012 min
Response: 613682534
Conc: 472.04 ng/ml



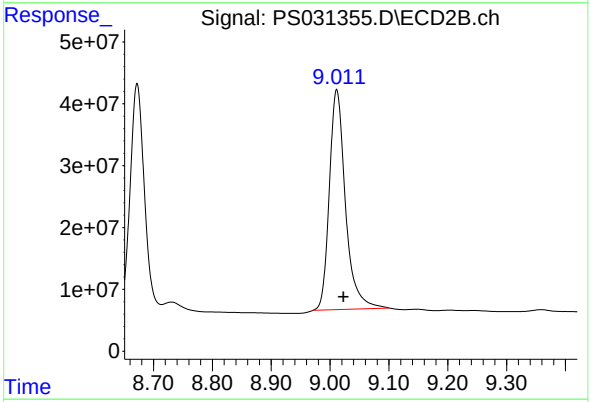
#9 2,4-D

R.T.: 8.431 min
Delta R.T.: -0.014 min
Response: 1526807964
Conc: 588.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS

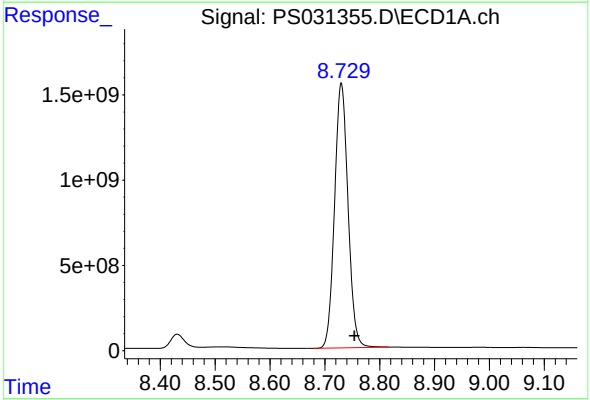
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



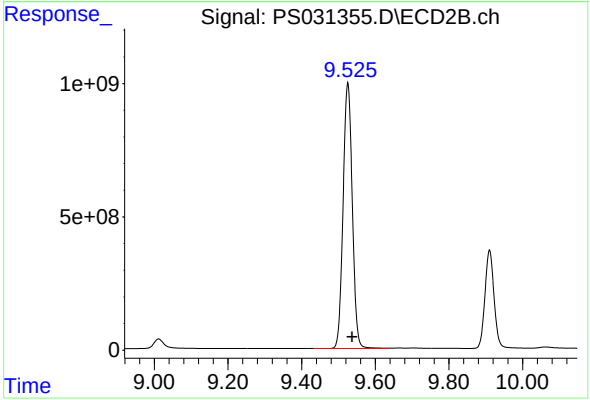
#9 2,4-D

R.T.: 9.012 min
Delta R.T.: -0.011 min
Response: 677168606
Conc: 485.24 ng/ml



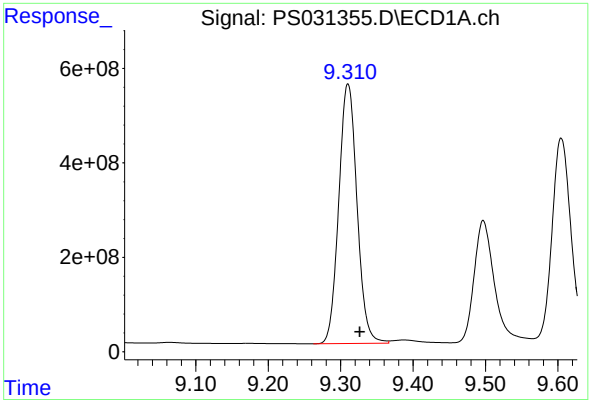
#10 Pentachlorophenol

R.T.: 8.729 min
Delta R.T.: -0.024 min
Response: 26436911712
Conc: 581.30 ng/ml m



#10 Pentachlorophenol

R.T.: 9.525 min
Delta R.T.: -0.012 min
Response: 17280681969
Conc: 515.90 ng/ml



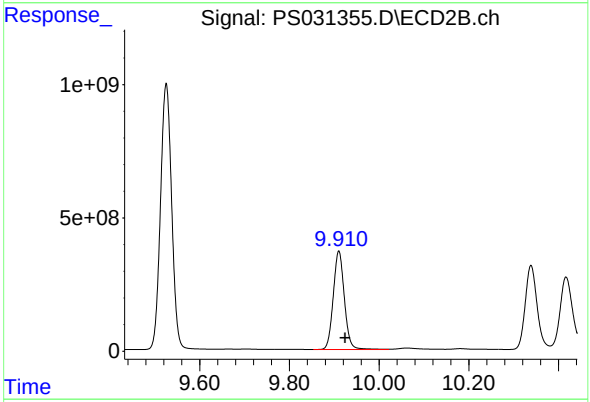
#11 2,4,5-TP (SILVEX)

R.T.: 9.310 min
Delta R.T.: -0.016 min
Response: 9640722892
Conc: 578.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS

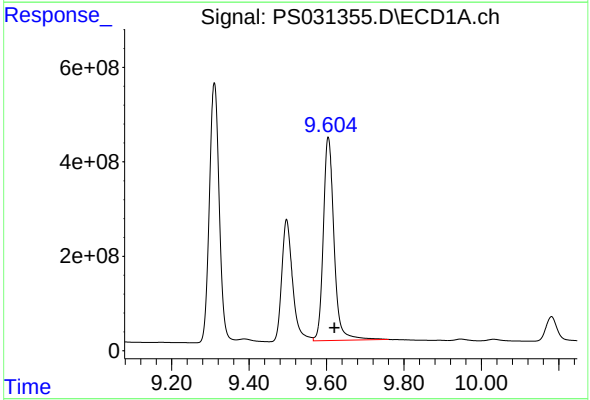
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



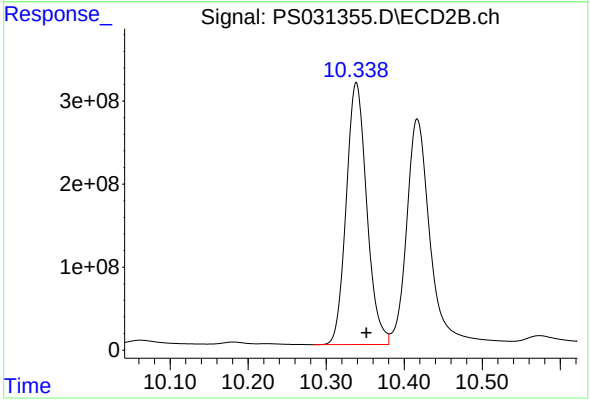
#11 2,4,5-TP (SILVEX)

R.T.: 9.910 min
Delta R.T.: -0.014 min
Response: 6349571827
Conc: 499.86 ng/ml



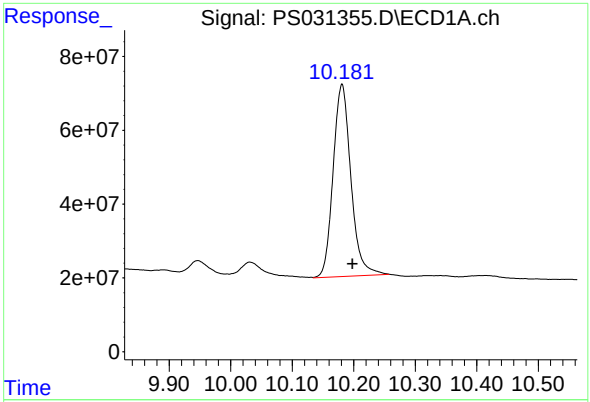
#12 2,4,5-T

R.T.: 9.605 min
Delta R.T.: -0.016 min
Response: 8255627896
Conc: 620.69 ng/ml



#12 2,4,5-T

R.T.: 10.339 min
Delta R.T.: -0.013 min
Response: 5762627217
Conc: 494.02 ng/ml



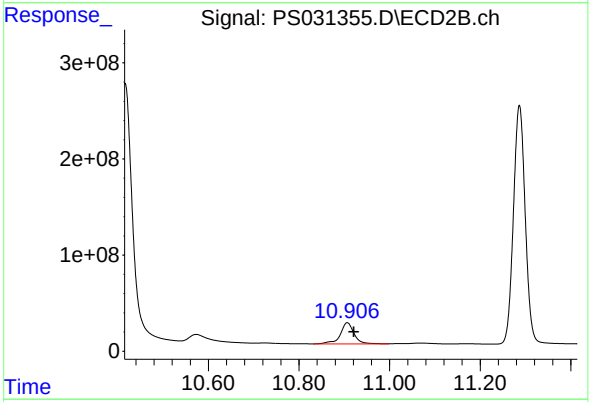
#13 2,4-DB

R.T.: 10.181 min
Delta R.T.: -0.017 min
Response: 1046020039
Conc: 598.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS

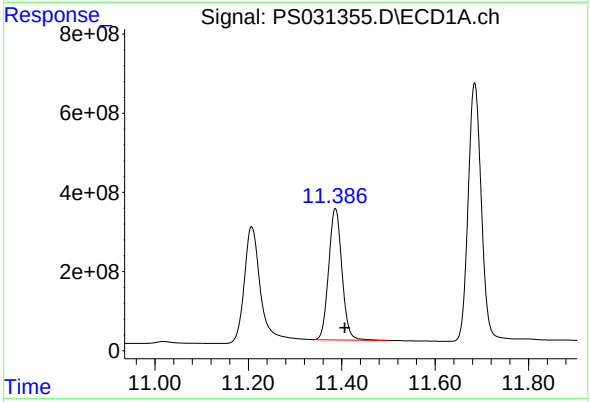
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



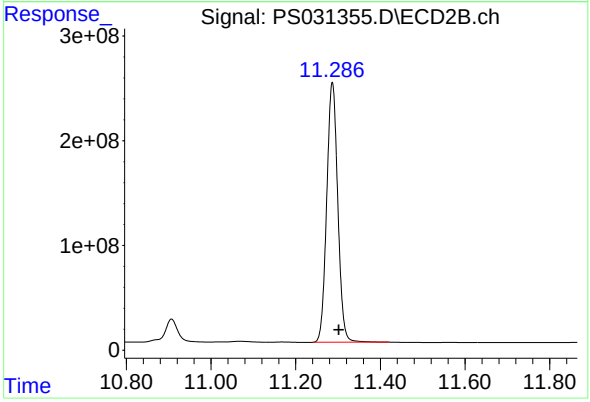
#13 2,4-DB

R.T.: 10.907 min
Delta R.T.: -0.014 min
Response: 464100593
Conc: 480.51 ng/ml



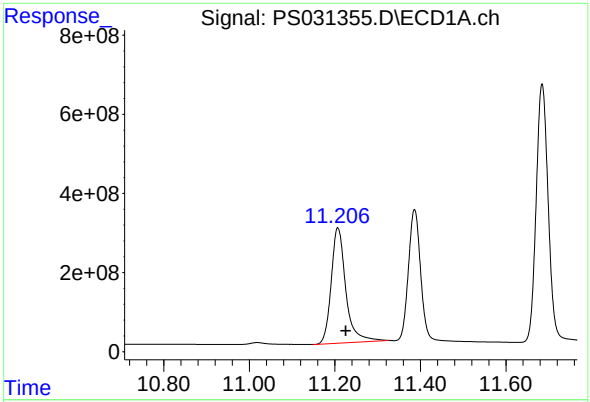
#14 DINOSEB

R.T.: 11.386 min
Delta R.T.: -0.020 min
Response: 6532133446
Conc: 569.82 ng/ml



#14 DINOSEB

R.T.: 11.287 min
Delta R.T.: -0.016 min
Response: 4494629706
Conc: 481.23 ng/ml



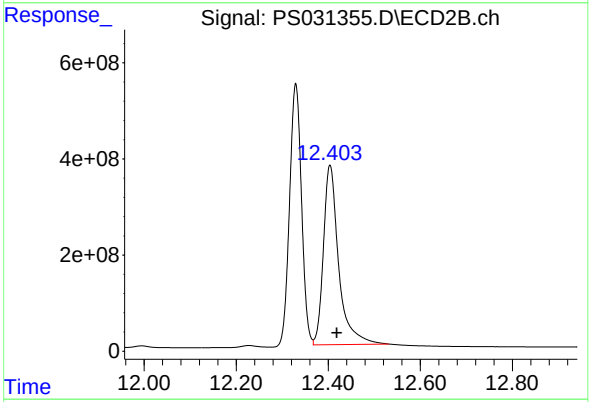
#15 Picloram

R.T.: 11.206 min
Delta R.T.: -0.019 min
Response: 6916906209
Conc: 590.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS

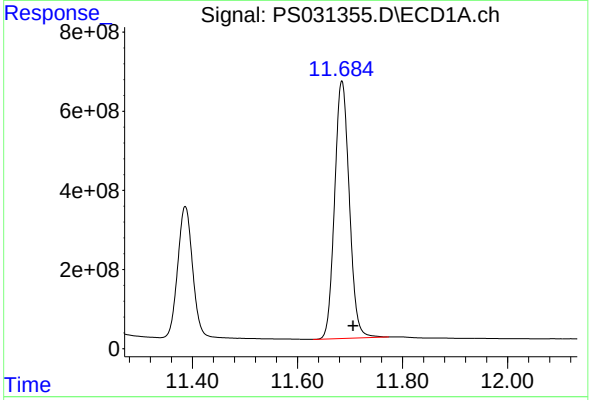
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



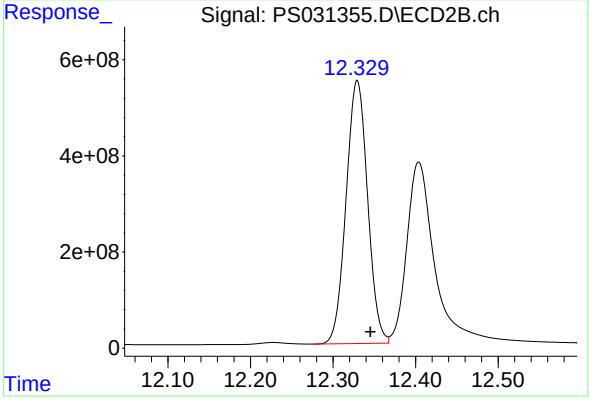
#15 Picloram

R.T.: 12.404 min
Delta R.T.: -0.014 min
Response: 8578328266
Conc: 501.81 ng/ml



#16 DCPA

R.T.: 11.684 min
Delta R.T.: -0.021 min
Response: 12627031351
Conc: 608.94 ng/ml m



#16 DCPA

R.T.: 12.329 min
Delta R.T.: -0.017 min
Response: 9907763364
Conc: 531.20 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:	08/01/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	289MS	SDG No.:	Q2747
Lab Sample ID:	Q2753-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92.5 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
PS031365.D	1	08/04/25 08:25	08/04/25 21:01	PB169091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.12		0.0084	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.12	P	0.019	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.099		0.014	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.15		0.0098	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.092		0.0098	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.12		0.0094	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.088		0.026	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.013	J	0.012	0.036	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	467		27 - 122		93%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 21:01
Operator : AR\AJ
Sample : Q2753-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
289MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:48:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.300	7.753	1359.2E6	311.0E6	466.528	372.462
		Target Compounds						
1)	T	Dalapon	2.676	2.698	839.9E6	811.3E6	174.098m	330.317m#
2)	T	3,5-DICHL...	6.465	6.704	1291.1E6	339.5E6	302.878m	262.694
3)	T	4-Nitroph...	7.103	7.299	152.9E6	209.7E6	150.200	162.405
5)	T	DICAMBA	7.486	7.952	4156.2E6	1600.7E6	321.675m	295.282m
6)	T	MCPP	7.665	8.053	154.6E6	51254653	19.223m	29.984m#
7)	T	MCPA	7.814	8.297	232.5E6	42953141	23.784	16.559 #
8)	T	DICHLORPROP	8.196	8.672	823.5E6	355.9E6	270.903	273.723
9)	T	2,4-D	8.429	9.010	1084.5E6	485.7E6	418.181	348.057
10)	T	Pentachlo...	8.728	9.525	11847.4E6	7711.2E6	260.504m	230.209
11)	T	2,4,5-TP ...	9.308	9.909	4256.2E6	2985.3E6	255.458	235.014
12)	T	2,4,5-T	9.602	10.338	4269.7E6	2868.9E6	321.010	245.946
13)	T	2,4-DB	10.179	10.906	426.0E6	188.0E6	243.787m	194.634m
14)	T	DINOSEB	11.383	11.288	408.6E6	343.6E6	35.640m	36.789
15)	T	Picloram	11.204	12.402	4501.8E6	5697.0E6	384.455m	333.255
16)	T	DCPA	11.680	12.328	6150.1E6	6874.6E6	296.588m	368.575m

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

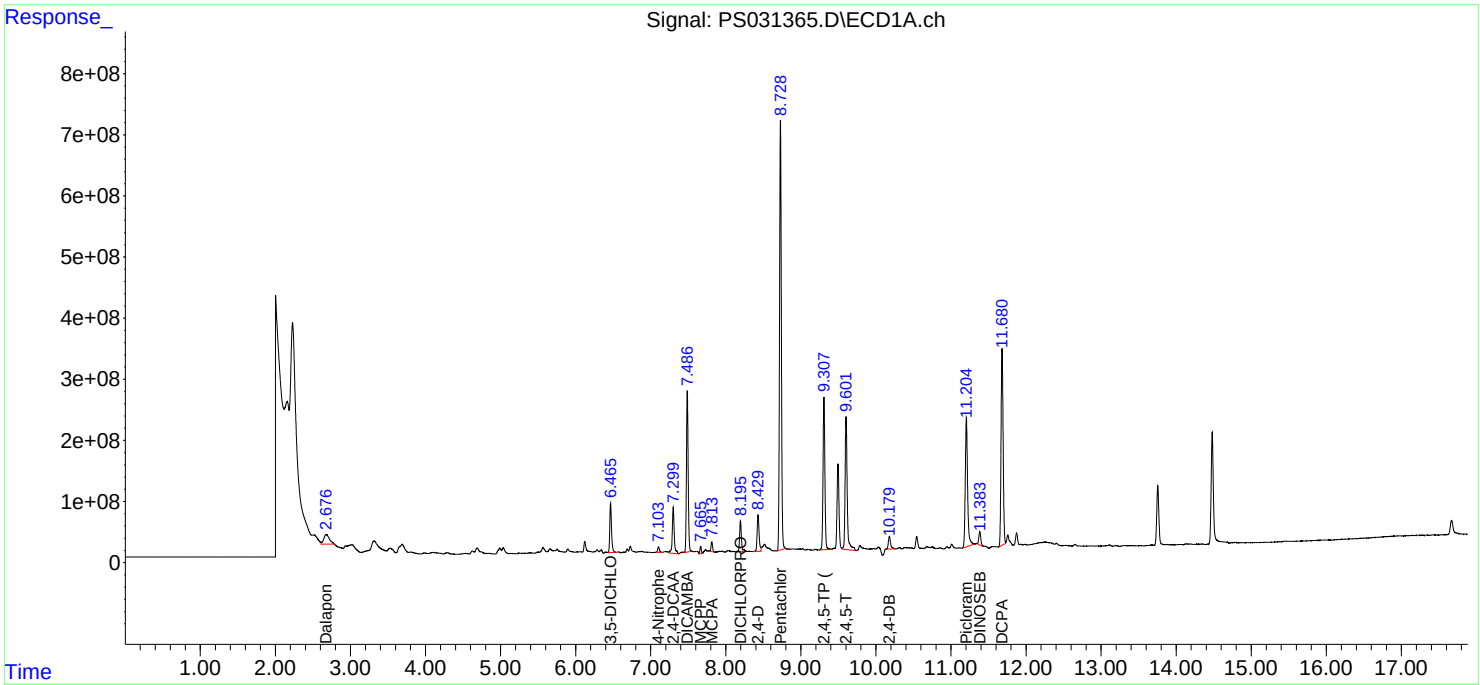
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 21:01
Operator : AR\AJ
Sample : Q2753-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

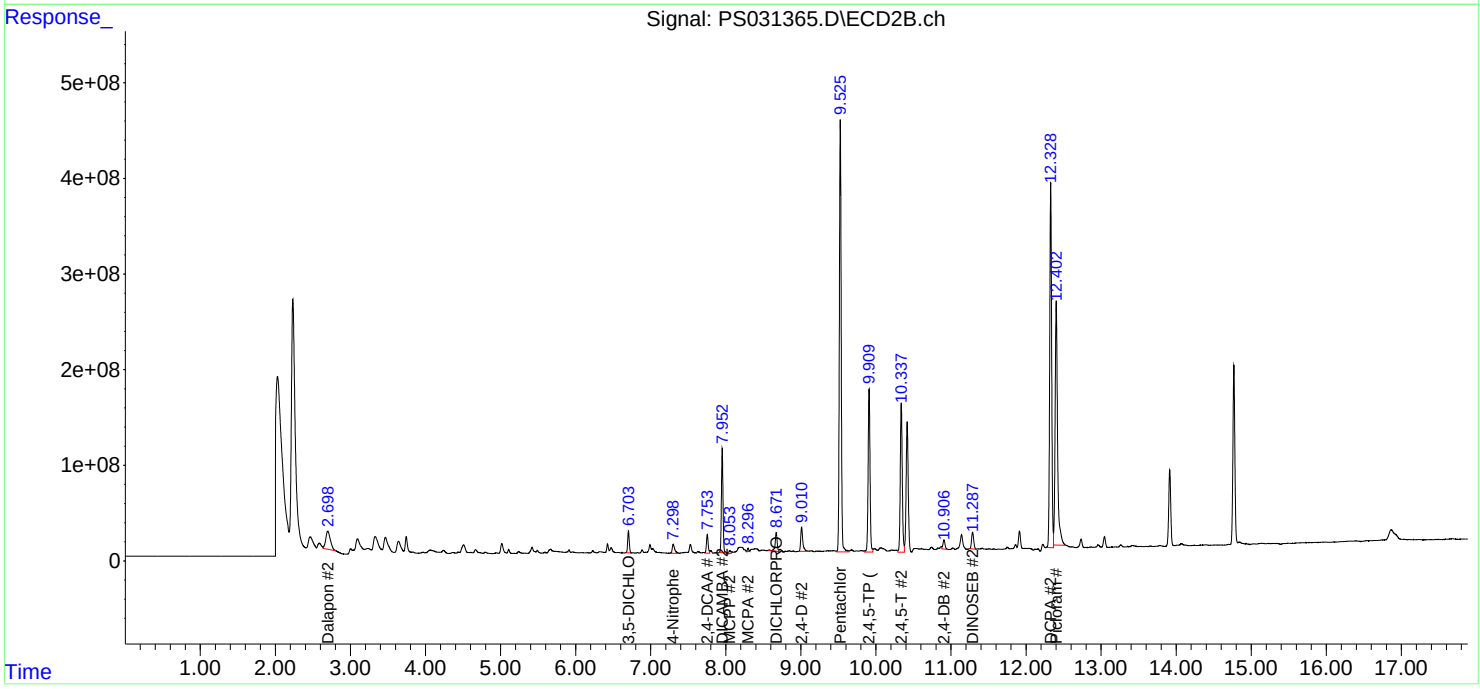
Instrument :
ECD_S
ClientSampleId :
289MS

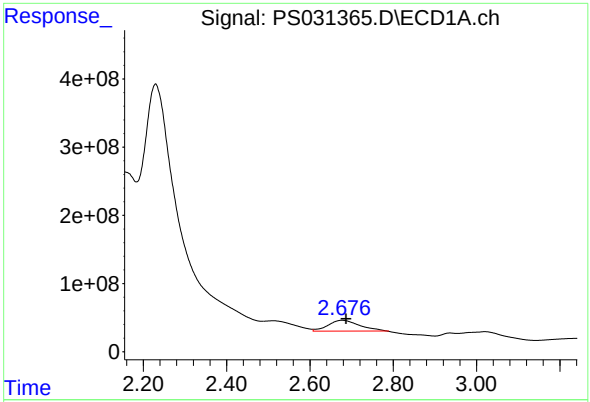
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:48:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







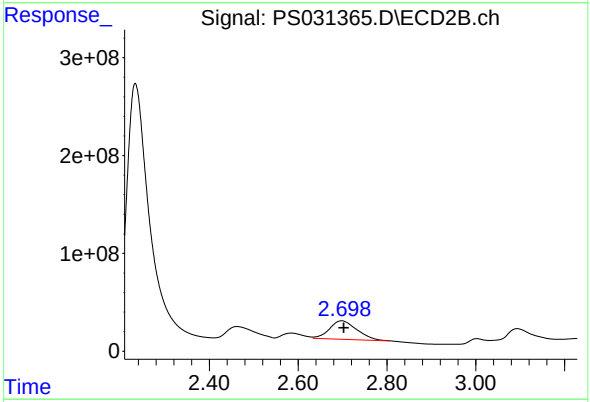
#1 Dalapon

R.T.: 2.676 min
Delta R.T.: -0.011 min
Response: 839944894
Conc: 174.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS

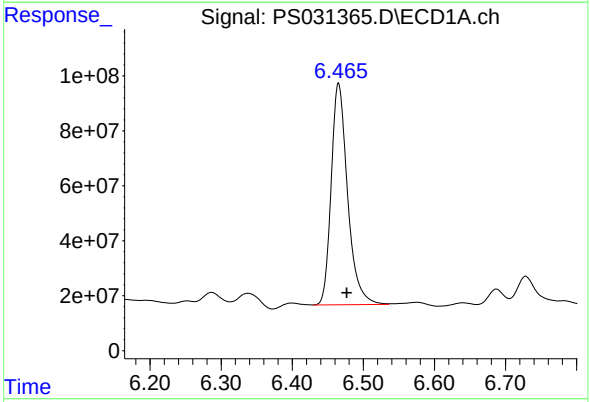
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



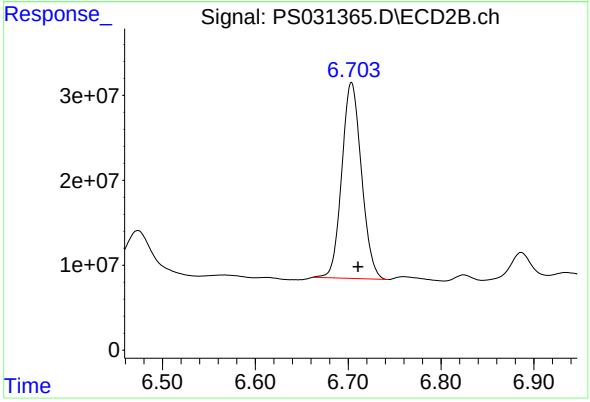
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: -0.005 min
Response: 811319710
Conc: 330.32 ng/ml m



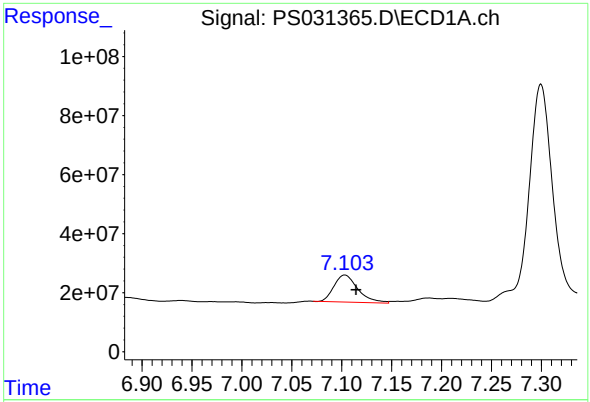
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.465 min
Delta R.T.: -0.012 min
Response: 1291149359
Conc: 302.88 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.704 min
Delta R.T.: -0.007 min
Response: 339471944
Conc: 262.69 ng/ml



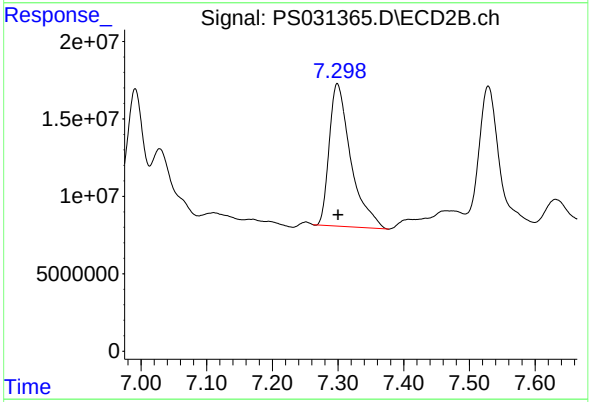
#3 4-Nitrophenol

R.T.: 7.103 min
Delta R.T.: -0.011 min
Response: 152933460
Conc: 150.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS

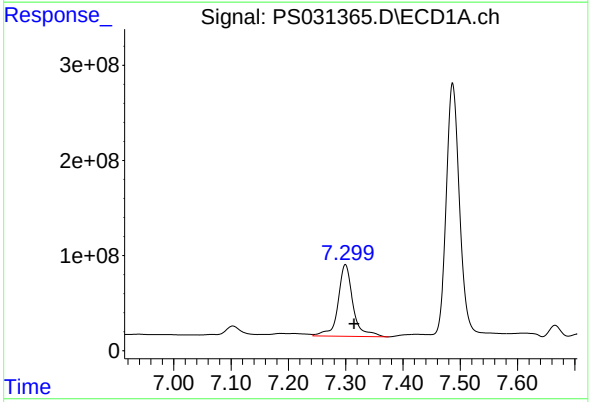
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



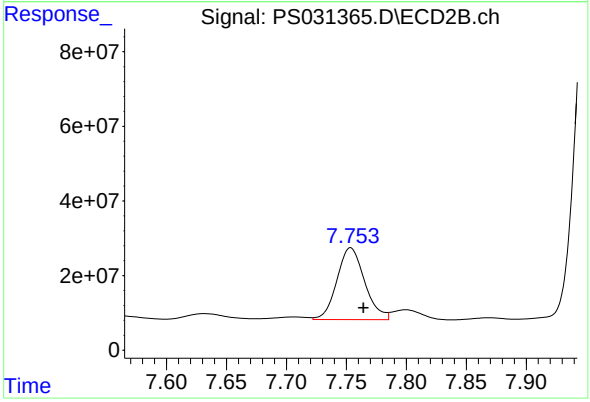
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 209650591
Conc: 162.41 ng/ml



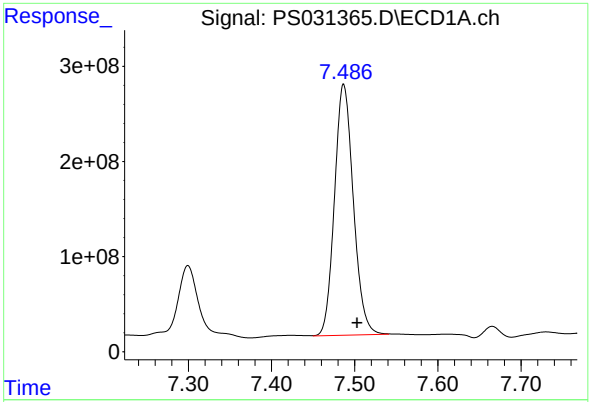
#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.015 min
Response: 1359184865
Conc: 466.53 ng/ml



#4 2,4-DCAA

R.T.: 7.753 min
Delta R.T.: -0.011 min
Response: 311035931
Conc: 372.46 ng/ml



#5 DICAMBA

R.T.: 7.486 min
Delta R.T.: -0.017 min
Response: 4156227320
Conc: 321.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS

Manual Integrations APPROVED

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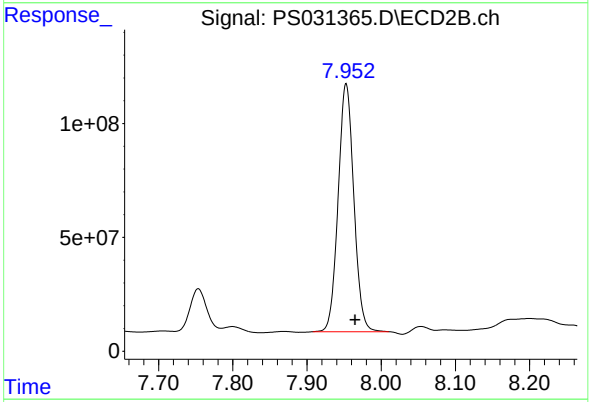
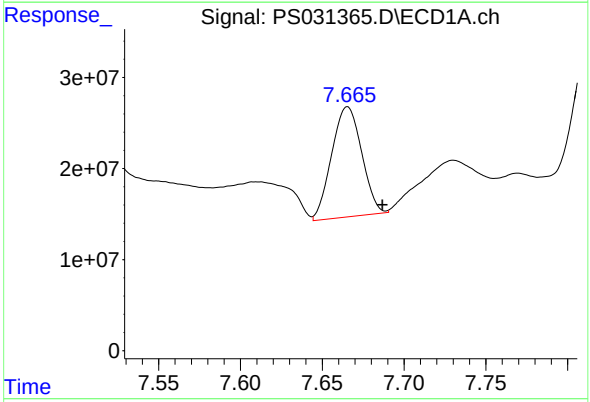
Supervised By :mohammad ahmed 08/06/2025



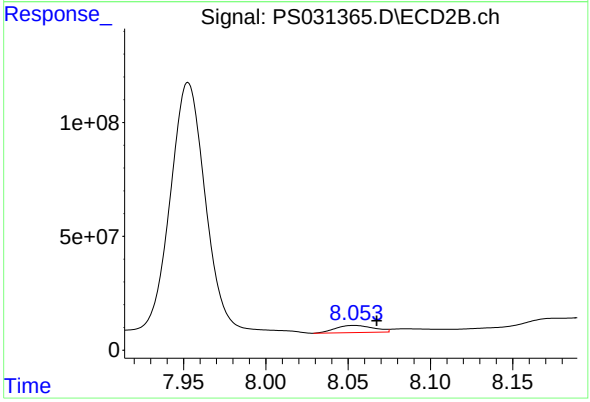
#5 DICAMBA

R.T.: 7.952 min
Delta R.T.: -0.012 min
Response: 1600681219
Conc: 295.28 ng/ml m



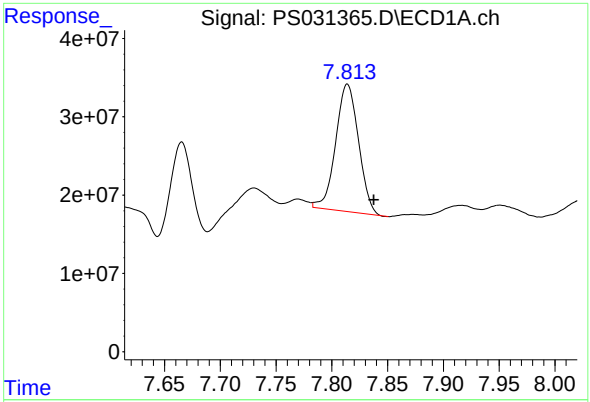
#6 MCPP

R.T.: 7.665 min
Delta R.T.: -0.022 min
Response: 154603686
Conc: 19.22 ug/ml m



#6 MCPP

R.T.: 8.053 min
Delta R.T.: -0.014 min
Response: 51254653
Conc: 29.98 ug/ml m



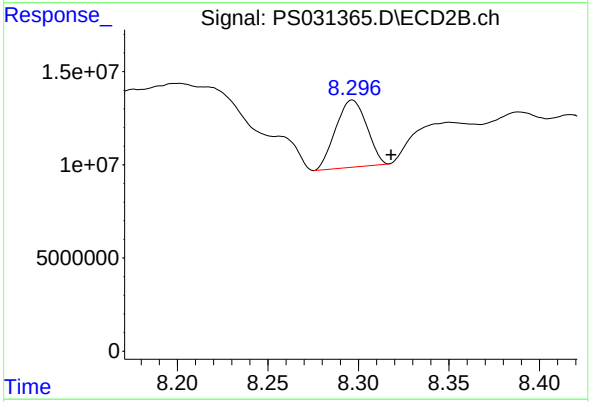
#7 MCPA

R.T.: 7.814 min
Delta R.T.: -0.023 min
Response: 232509351
Conc: 23.78 ug/ml

Instrument :
ECD_S
ClientSampleId :
289MS

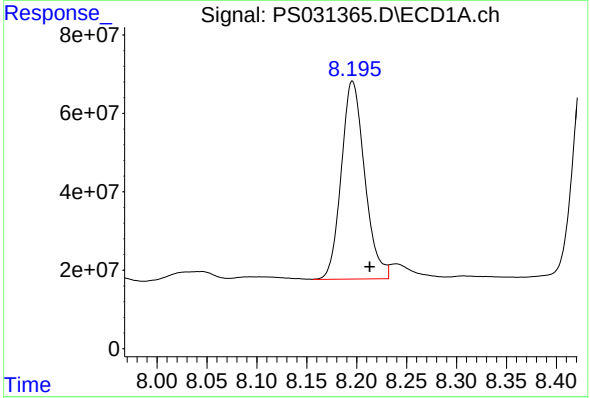
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



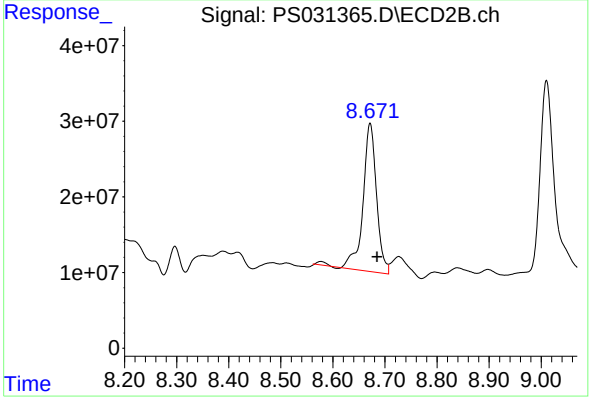
#7 MCPA

R.T.: 8.297 min
Delta R.T.: -0.021 min
Response: 42953141
Conc: 16.56 ug/ml



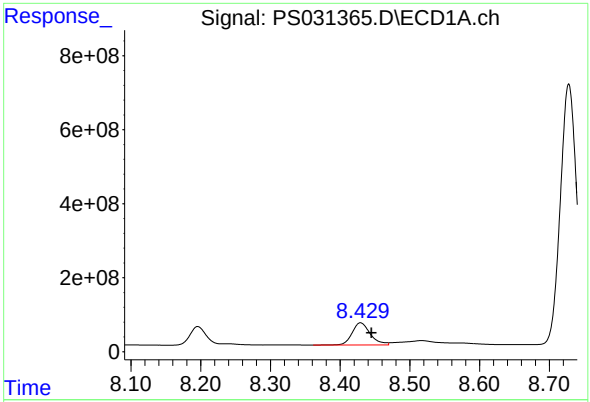
#8 DICHLORPROP

R.T.: 8.196 min
Delta R.T.: -0.017 min
Response: 823548512
Conc: 270.90 ng/ml



#8 DICHLORPROP

R.T.: 8.672 min
Delta R.T.: -0.013 min
Response: 355855489
Conc: 273.72 ng/ml



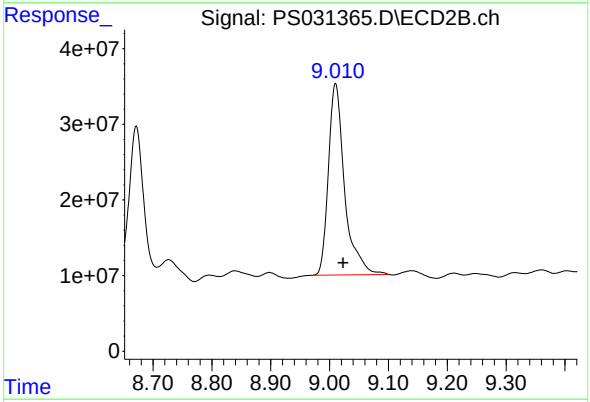
#9 2,4-D

R.T.: 8.429 min
Delta R.T.: -0.016 min
Response: 1084485638
Conc: 418.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS

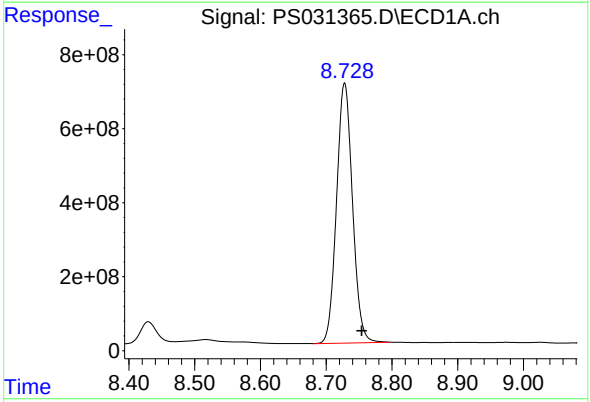
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



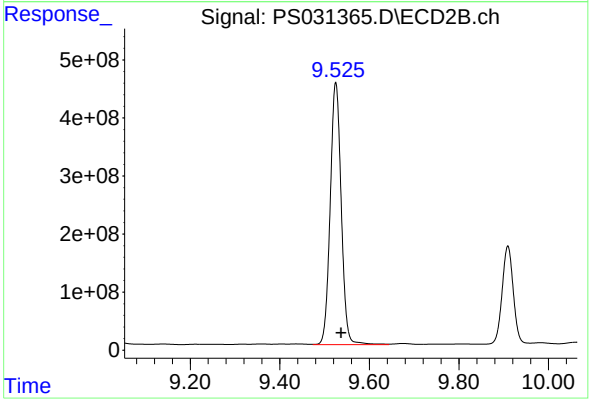
#9 2,4-D

R.T.: 9.010 min
Delta R.T.: -0.013 min
Response: 485723938
Conc: 348.06 ng/ml



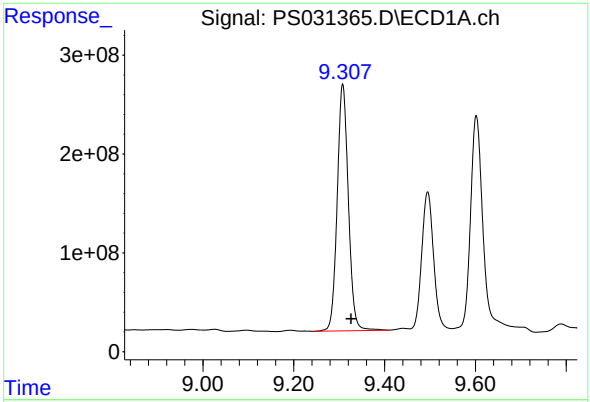
#10 Pentachlorophenol

R.T.: 8.728 min
Delta R.T.: -0.026 min
Response: 11847412003
Conc: 260.50 ng/ml m



#10 Pentachlorophenol

R.T.: 9.525 min
Delta R.T.: -0.012 min
Response: 7711163903
Conc: 230.21 ng/ml



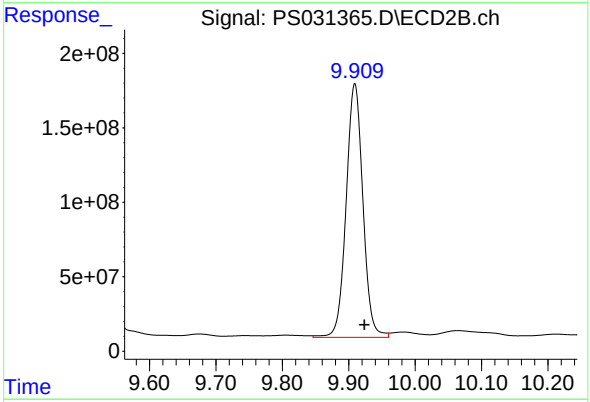
#11 2,4,5-TP (SILVEX)

R.T.: 9.308 min
Delta R.T.: -0.019 min
Response: 4256245618
Conc: 255.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS

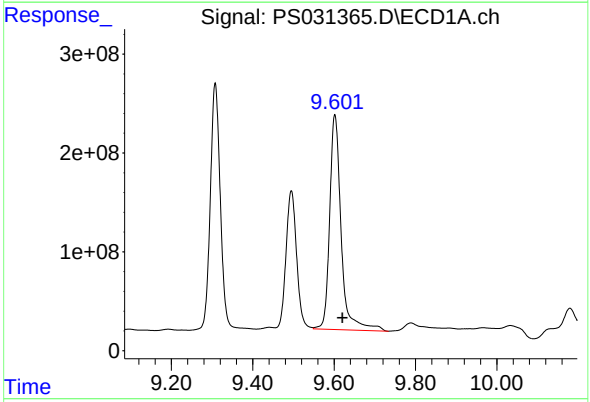
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



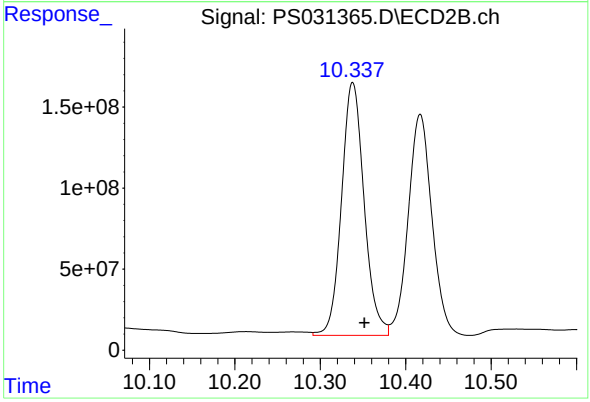
#11 2,4,5-TP (SILVEX)

R.T.: 9.909 min
Delta R.T.: -0.015 min
Response: 2985335702
Conc: 235.01 ng/ml



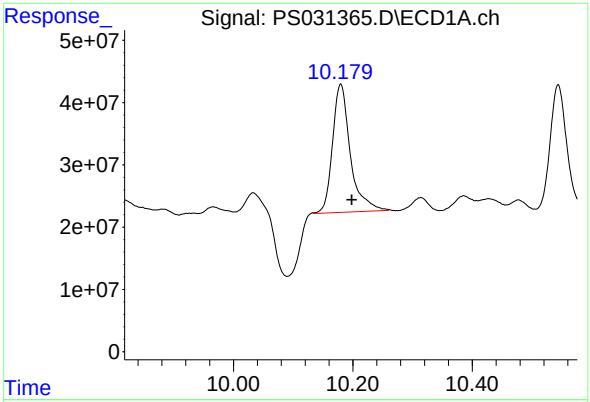
#12 2,4,5-T

R.T.: 9.602 min
Delta R.T.: -0.019 min
Response: 4269667837
Conc: 321.01 ng/ml



#12 2,4,5-T

R.T.: 10.338 min
Delta R.T.: -0.014 min
Response: 2868873394
Conc: 245.95 ng/ml



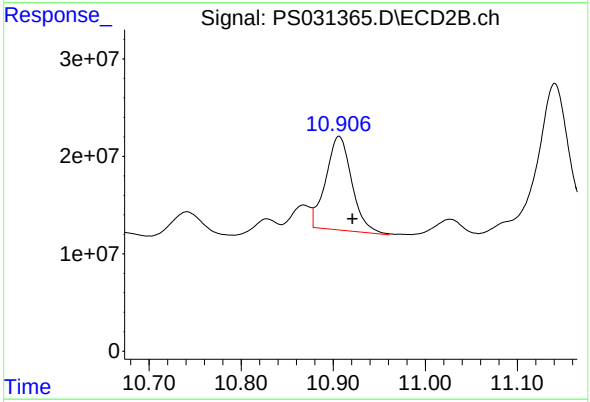
#13 2,4-DB

R.T.: 10.179 min
Delta R.T.: -0.019 min
Response: 425957013
Conc: 243.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS

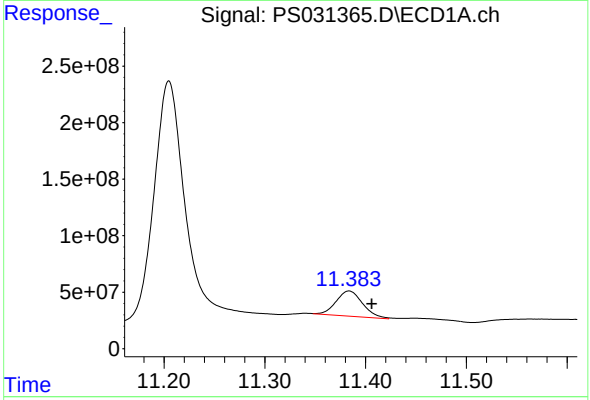
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



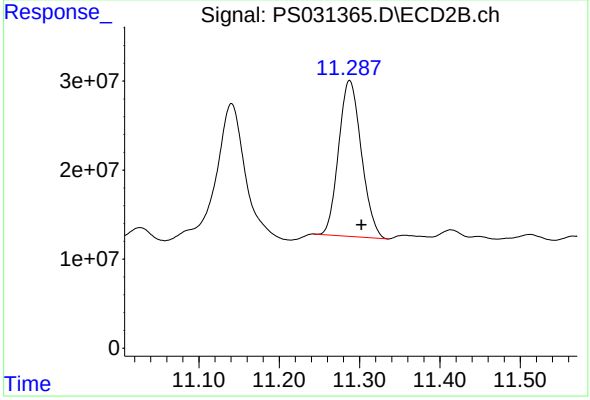
#13 2,4-DB

R.T.: 10.906 min
Delta R.T.: -0.015 min
Response: 187988803
Conc: 194.63 ng/ml m



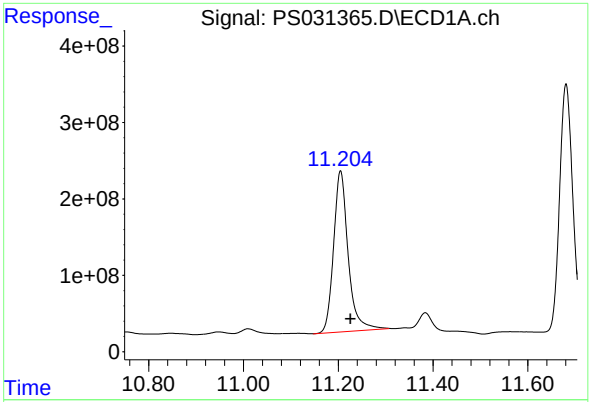
#14 DINOSEB

R.T.: 11.383 min
Delta R.T.: -0.023 min
Response: 408566266
Conc: 35.64 ng/ml m



#14 DINOSEB

R.T.: 11.288 min
Delta R.T.: -0.015 min
Response: 343603886
Conc: 36.79 ng/ml



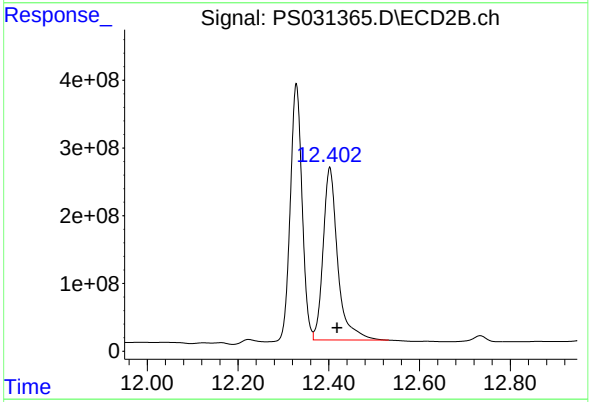
#15 Picloram

R.T.: 11.204 min
Delta R.T.: -0.021 min
Response: 4501827151
Conc: 384.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS

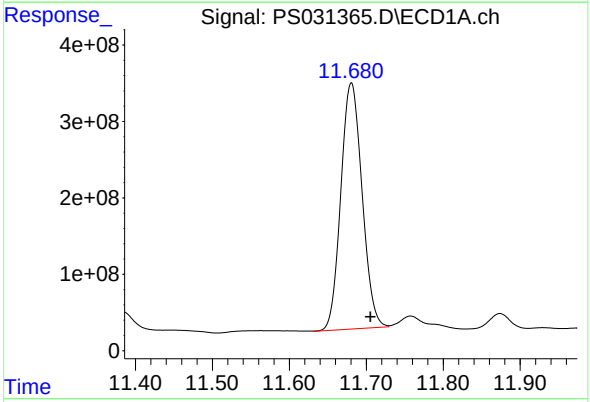
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



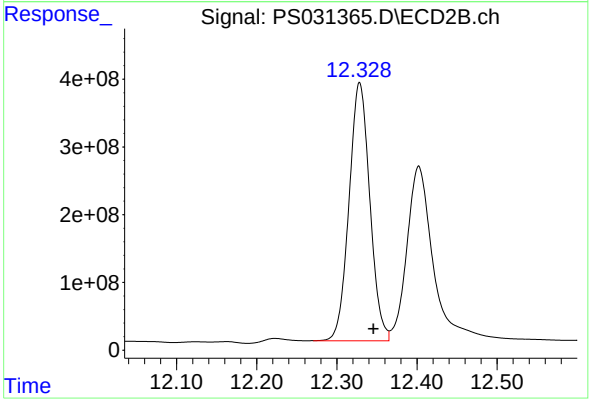
#15 Picloram

R.T.: 12.402 min
Delta R.T.: -0.016 min
Response: 5696976252
Conc: 333.26 ng/ml



#16 DCPA

R.T.: 11.680 min
Delta R.T.: -0.025 min
Response: 6150094615
Conc: 296.59 ng/ml m



#16 DCPA

R.T.: 12.328 min
Delta R.T.: -0.018 min
Response: 6874565883
Conc: 368.57 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:	08/01/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	289MSD	SDG No.:	Q2747
Lab Sample ID:	Q2753-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92.5 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031366.D	1	08/04/25 08:25	08/04/25 21:25	PB169091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.11		0.0084	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.13	P	0.019	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.096		0.014	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.15		0.0098	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.090		0.0098	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.11		0.0094	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.084		0.026	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.013	J	0.012	0.036	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	459		27 - 122		92%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 21:25
Operator : AR\AJ
Sample : Q2753-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
289MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:49:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.300	7.753	1338.3E6	304.5E6	459.346	364.680
		Target Compounds						
1)	T	Dalapon	2.676	2.696	596.6E6	850.7E6	123.667m	346.365m#
2)	T	3,5-DICHL...	6.465	6.704	1276.9E6	332.5E6	299.535m	257.325
3)	T	4-Nitroph...	7.104	7.300	133.7E6	182.8E6	131.308	141.604
5)	T	DICAMBA	7.487	7.953	4097.1E6	1572.4E6	317.101m	290.071m
6)	T	MCPP	7.665	8.053	147.6E6	53020263	18.351m	31.017m#
7)	T	MCPA	7.814	8.296	219.9E6	42206143	22.498	16.271 #
8)	T	DICHLORPROP	8.196	8.671	810.1E6	322.4E6	266.467	248.011m
9)	T	2,4-D	8.430	9.011	1060.4E6	479.1E6	408.893	343.341
10)	T	Pentachlo...	8.728	9.525	11710.6E6	7572.9E6	257.496m	226.081
11)	T	2,4,5-TP ...	9.308	9.909	4179.8E6	2930.6E6	250.871	230.708
12)	T	2,4,5-T	9.602	10.338	4143.1E6	2809.3E6	311.497	240.840
13)	T	2,4-DB	10.179	10.906	409.5E6	172.4E6	234.359m	178.467
14)	T	DINOSEB	11.383	11.288	382.1E6	337.5E6	33.330m	36.131
15)	T	Picloram	11.204	12.402	4278.0E6	5494.3E6	365.340m	321.397
16)	T	DCPA	11.679	12.328	6173.0E6	6745.1E6	297.692m	361.633m

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

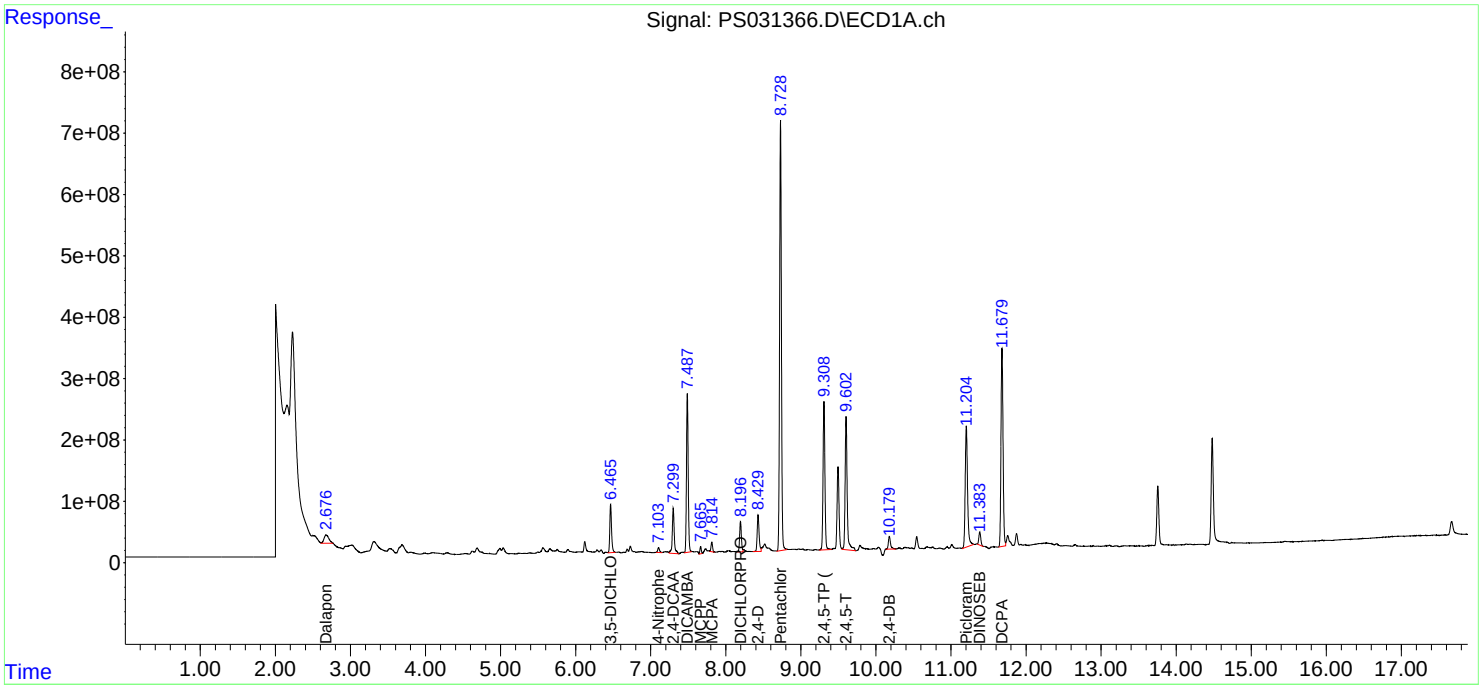
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 21:25
Operator : AR\AJ
Sample : Q2753-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

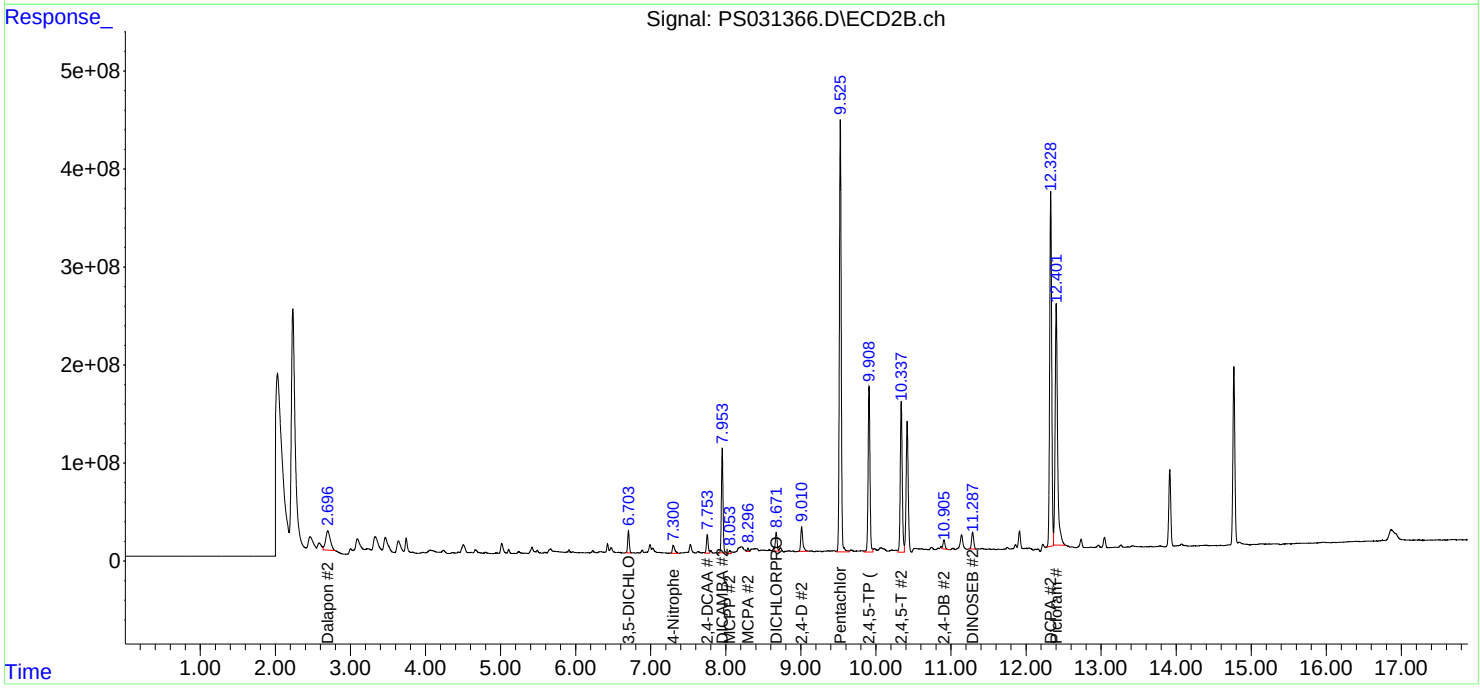
Instrument :
ECD_S
ClientSampleId :
289MSD

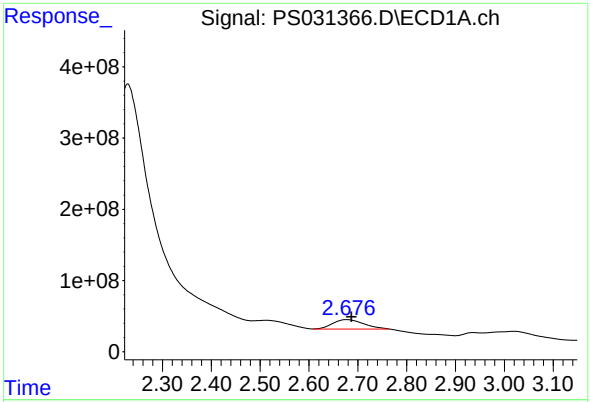
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:49:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







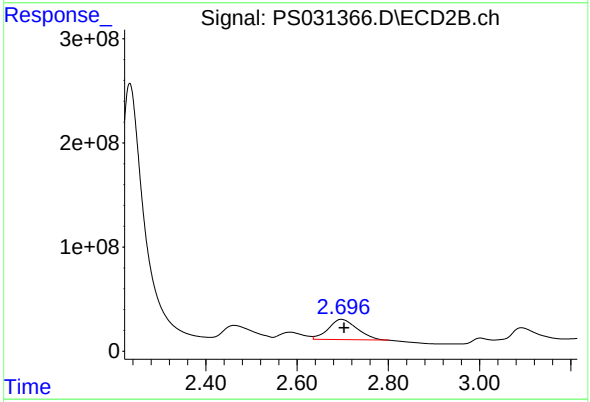
#1 Dalapon

R.T.: 2.676 min
Delta R.T.: -0.011 min
Response: 596639346
Conc: 123.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD

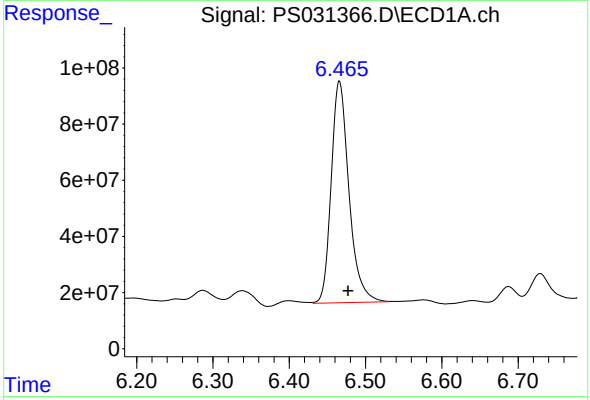
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



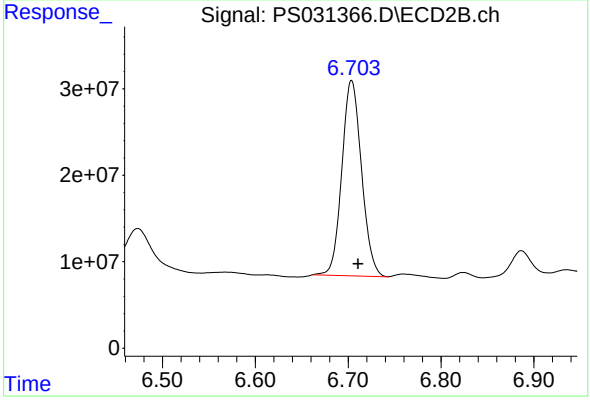
#1 Dalapon

R.T.: 2.696 min
Delta R.T.: -0.007 min
Response: 850736105
Conc: 346.36 ng/ml m



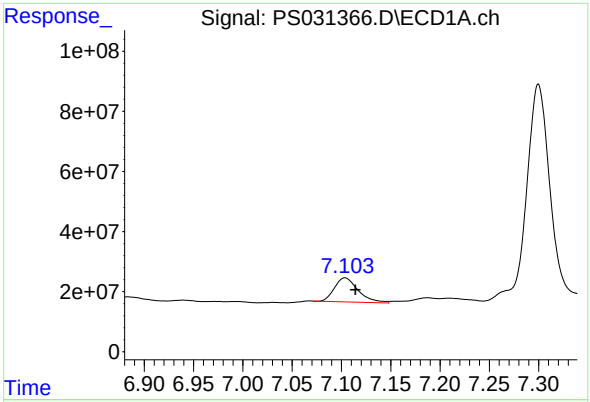
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.465 min
Delta R.T.: -0.012 min
Response: 1276896755
Conc: 299.53 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.704 min
Delta R.T.: -0.007 min
Response: 332533399
Conc: 257.32 ng/ml



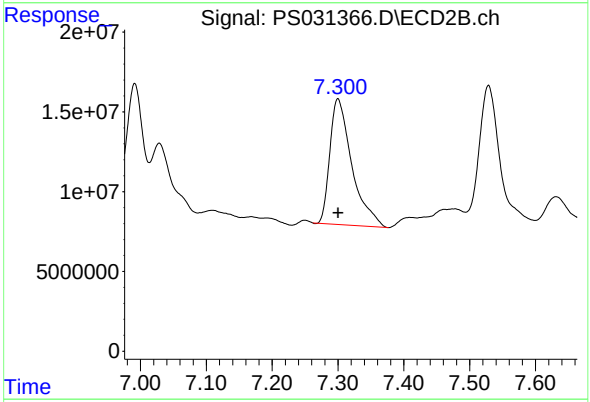
#3 4-Nitrophenol

R.T.: 7.104 min
Delta R.T.: -0.011 min
Response: 133698203
Conc: 131.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD

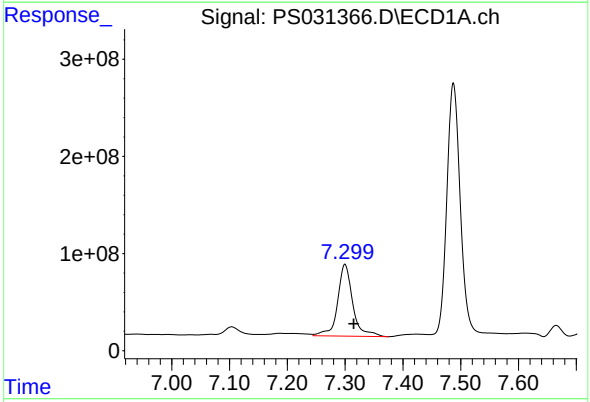
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



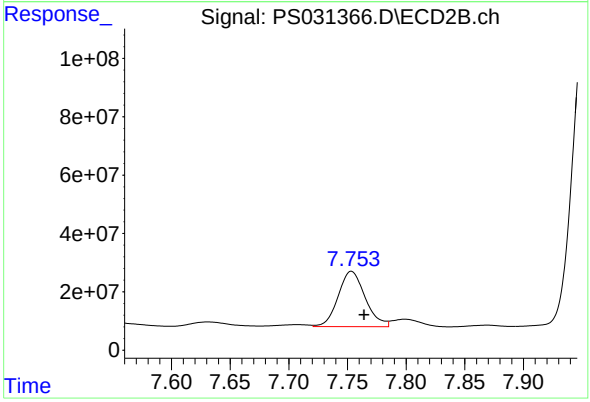
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 182798412
Conc: 141.60 ng/ml



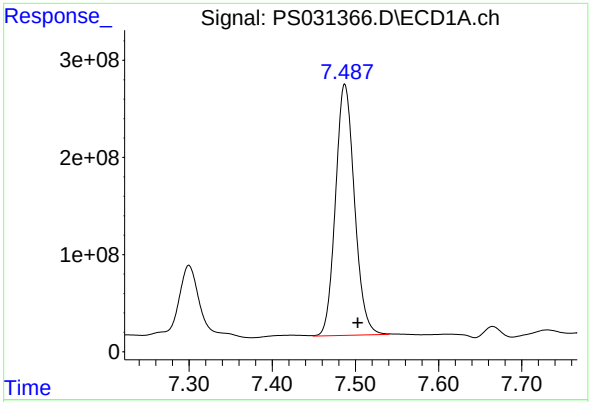
#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.015 min
Response: 1338261617
Conc: 459.35 ng/ml



#4 2,4-DCAA

R.T.: 7.753 min
Delta R.T.: -0.011 min
Response: 304537103
Conc: 364.68 ng/ml



#5 DICAMBA

R.T.: 7.487 min
Delta R.T.: -0.016 min
Response: 4097134359
Conc: 317.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD

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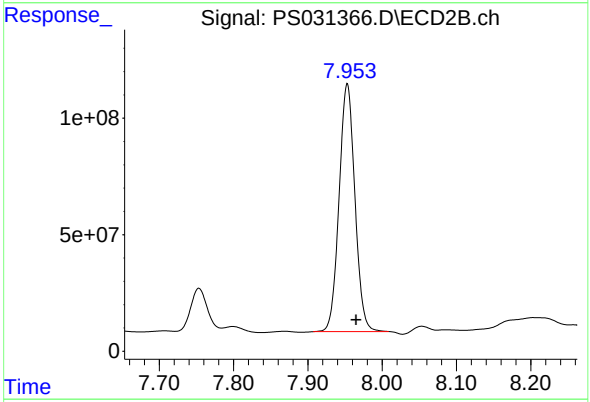
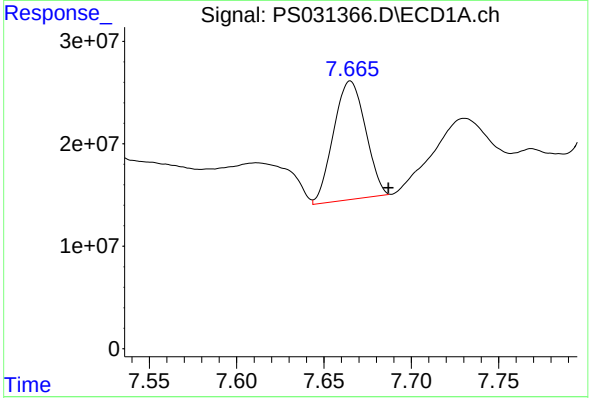
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



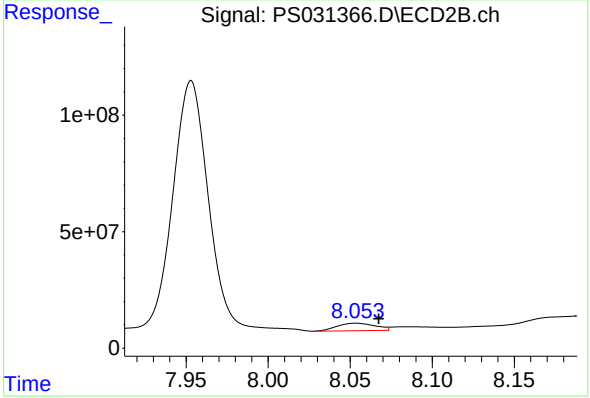
#5 DICAMBA

R.T.: 7.953 min
Delta R.T.: -0.012 min
Response: 1572431796
Conc: 290.07 ng/ml m



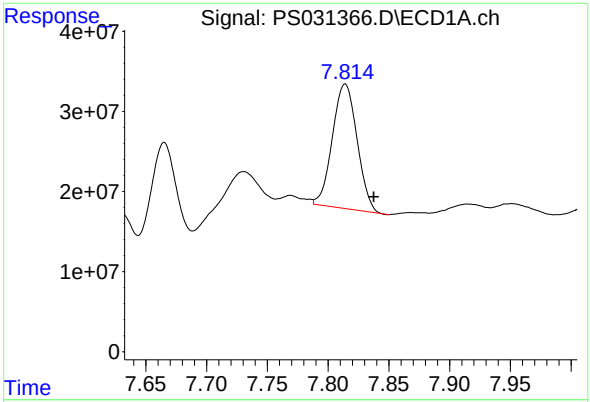
#6 MCPP

R.T.: 7.665 min
Delta R.T.: -0.022 min
Response: 147595435
Conc: 18.35 ug/ml m



#6 MCPP

R.T.: 8.053 min
Delta R.T.: -0.014 min
Response: 53020263
Conc: 31.02 ug/ml m



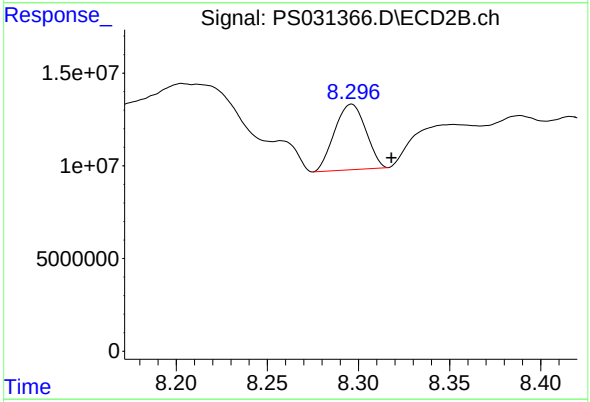
#7 MCPA

R.T.: 7.814 min
Delta R.T.: -0.023 min
Response: 219937429
Conc: 22.50 ug/ml

Instrument :
ECD_S
ClientSampleId :
289MSD

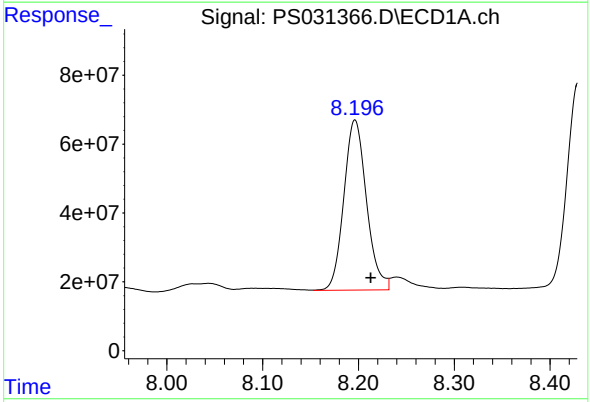
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



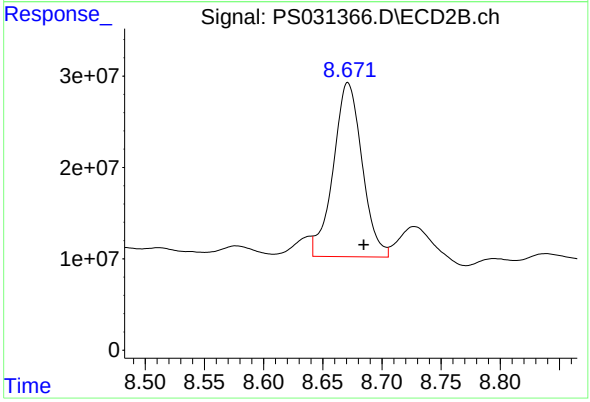
#7 MCPA

R.T.: 8.296 min
Delta R.T.: -0.022 min
Response: 42206143
Conc: 16.27 ug/ml



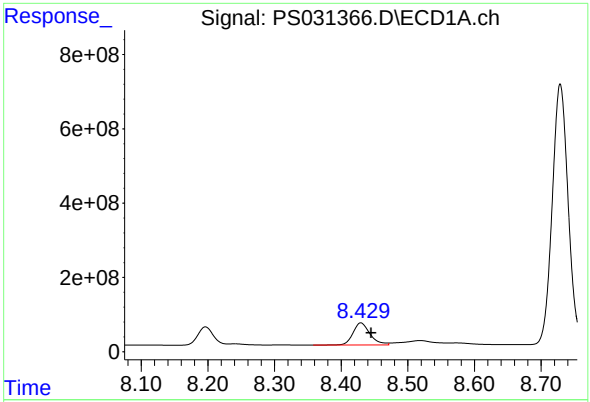
#8 DICHLORPROP

R.T.: 8.196 min
Delta R.T.: -0.016 min
Response: 810062525
Conc: 266.47 ng/ml



#8 DICHLORPROP

R.T.: 8.671 min
Delta R.T.: -0.014 min
Response: 322428687
Conc: 248.01 ng/ml m



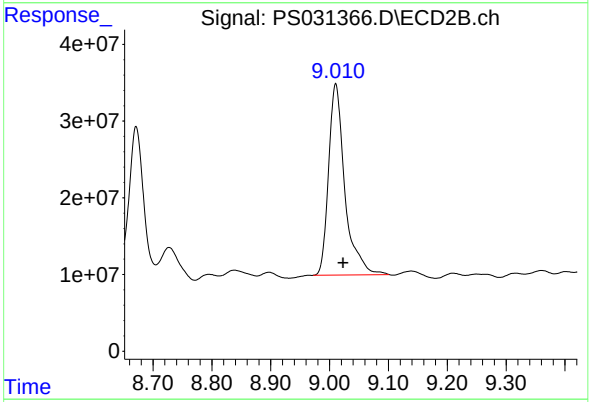
#9 2,4-D

R.T.: 8.430 min
Delta R.T.: -0.015 min
Response: 1060397505
Conc: 408.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD

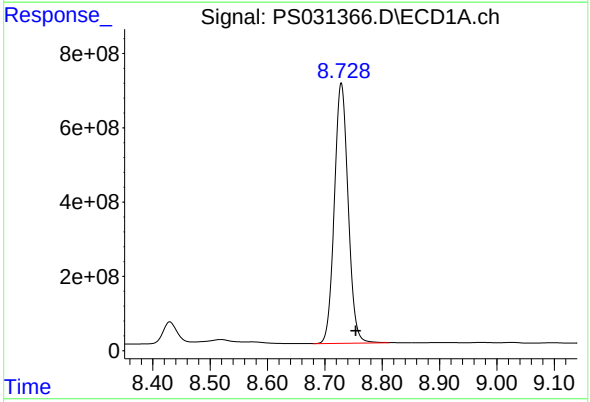
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



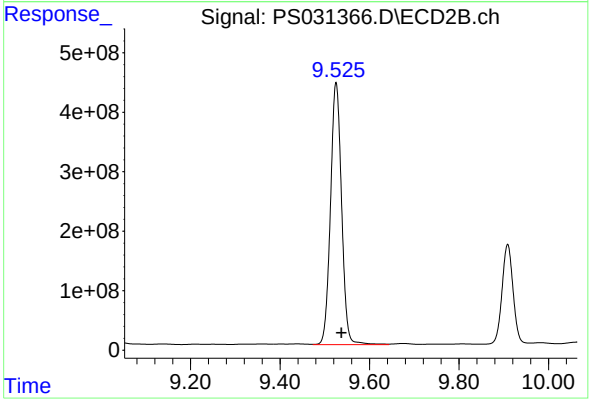
#9 2,4-D

R.T.: 9.011 min
Delta R.T.: -0.012 min
Response: 479143302
Conc: 343.34 ng/ml



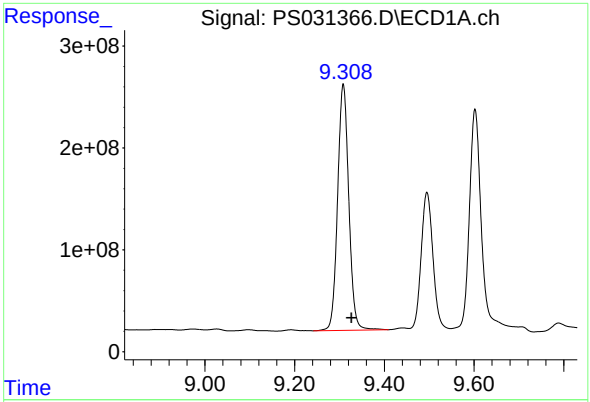
#10 Pentachlorophenol

R.T.: 8.728 min
Delta R.T.: -0.026 min
Response: 11710588240
Conc: 257.50 ng/ml m



#10 Pentachlorophenol

R.T.: 9.525 min
Delta R.T.: -0.012 min
Response: 7572886902
Conc: 226.08 ng/ml



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

R.T.: 9.308 min
Delta R.T.: -0.018 min
Response: 4179833532
Conc: 250.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD

Manual Integrations
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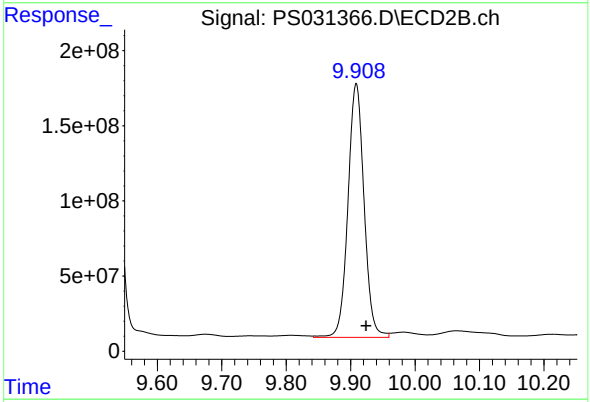
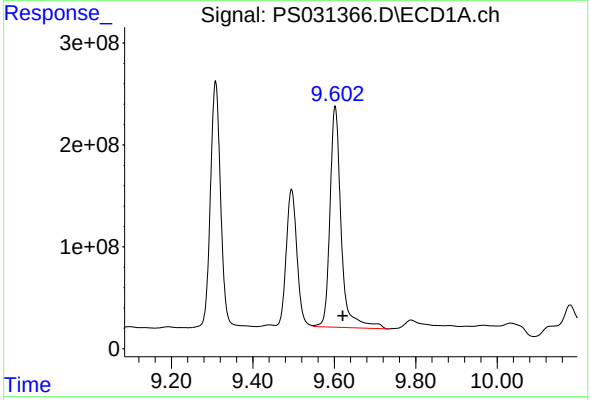
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



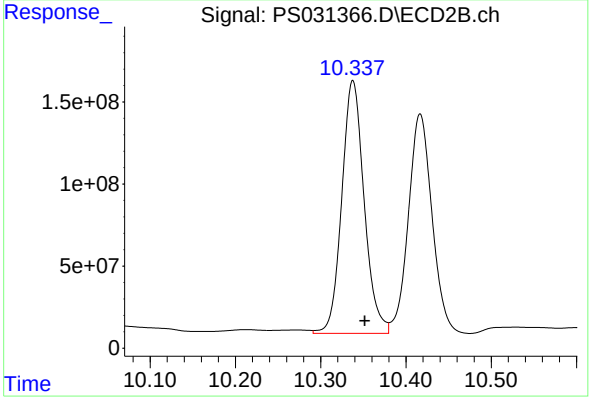
#11 2,4,5-TP (SILVEX)

R.T.: 9.909 min
Delta R.T.: -0.015 min
Response: 2930644006
Conc: 230.71 ng/ml



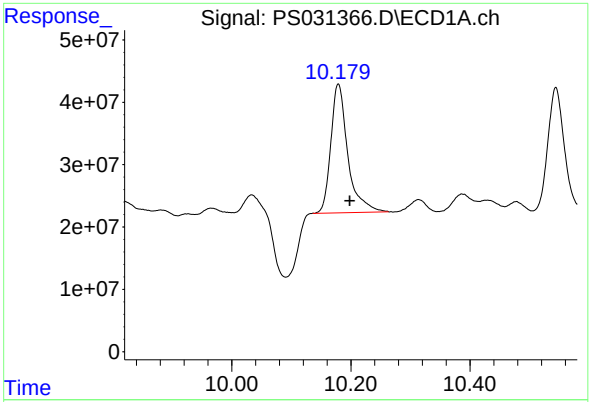
#12 2,4,5-T

R.T.: 9.602 min
Delta R.T.: -0.019 min
Response: 4143138087
Conc: 311.50 ng/ml



#12 2,4,5-T

R.T.: 10.338 min
Delta R.T.: -0.014 min
Response: 2809318190
Conc: 240.84 ng/ml



#13 2,4-DB

R.T.: 10.179 min
Delta R.T.: -0.019 min
Response: 409484419
Conc: 234.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD

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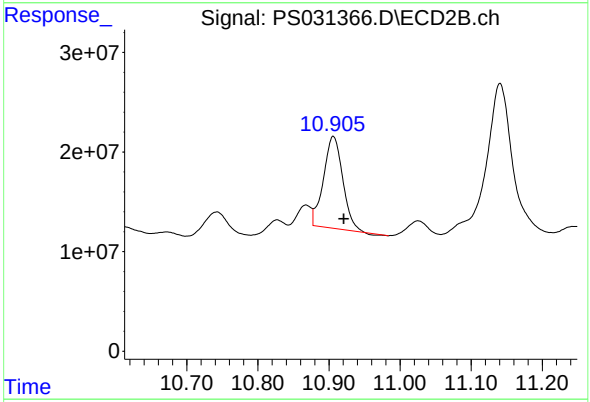
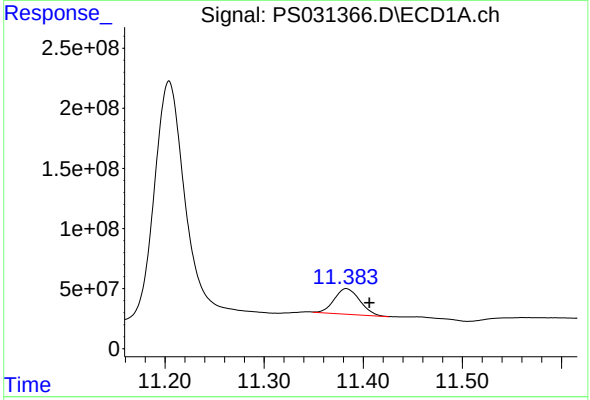
Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



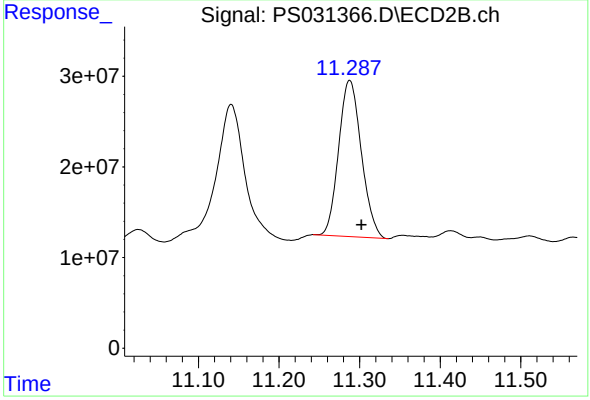
#13 2,4-DB

R.T.: 10.906 min
Delta R.T.: -0.015 min
Response: 172373660
Conc: 178.47 ng/ml



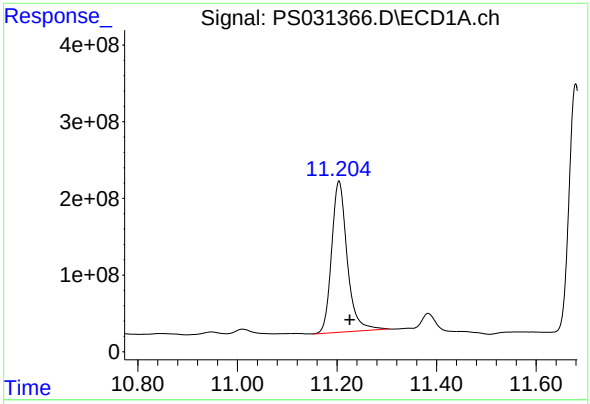
#14 DINOSEB

R.T.: 11.383 min
Delta R.T.: -0.024 min
Response: 382083714
Conc: 33.33 ng/ml m



#14 DINOSEB

R.T.: 11.288 min
Delta R.T.: -0.015 min
Response: 337463610
Conc: 36.13 ng/ml



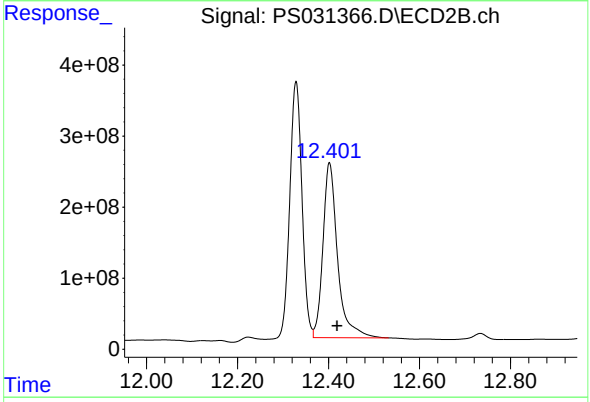
#15 Picloram

R.T.: 11.204 min
Delta R.T.: -0.022 min
Response: 4277991088
Conc: 365.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD

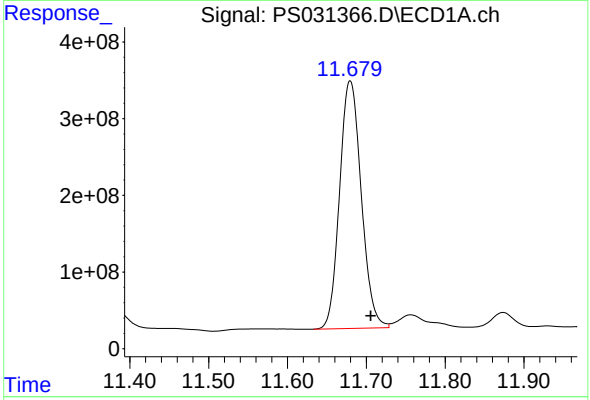
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/05/2025
Supervised By :mohammad ahmed 08/06/2025



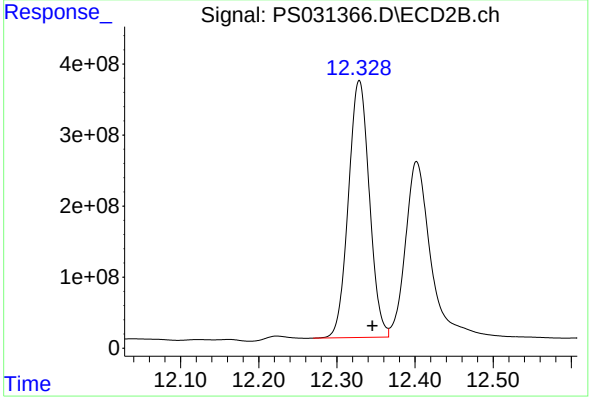
#15 Picloram

R.T.: 12.402 min
Delta R.T.: -0.016 min
Response: 5494251334
Conc: 321.40 ng/ml



#16 DCPA

R.T.: 11.679 min
Delta R.T.: -0.027 min
Response: 6172971215
Conc: 297.69 ng/ml m



#16 DCPA

R.T.: 12.328 min
Delta R.T.: -0.017 min
Response: 6745087530
Conc: 361.63 ng/ml m

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Manual Integration Report

Sequence:	PS072925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS031275.D	2,4-DB #2	Abdul	7/30/2025 8:36:01 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDICC1000	PS031278.D	MCPP #2	Abdul	7/30/2025 8:36:04 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDICC1500	PS031279.D	3,5-DICHLOROBENZOIC ACID	Abdul	7/30/2025 8:36:07 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDICC1500	PS031279.D	MCPP #2	Abdul	7/30/2025 8:36:07 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031282.D	MCPP #2	Abdul	7/30/2025 8:36:12 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031293.D	DCPA #2	Abdul	7/30/2025 8:36:30 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031293.D	MCPP #2	Abdul	7/30/2025 8:36:30 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031301.D	3,5-DICHLOROBENZOIC ACID	Abdul	7/30/2025 8:35:38 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031301.D	DICHLORPROP #2	Abdul	7/30/2025 8:35:38 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031301.D	MCPP #2	Abdul	7/30/2025 8:35:38 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps080425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031353.D	2,4-DB	Abdul	8/5/2025 10:30:24 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031353.D	3,5-DICHLOROBENZOIC ACID	Abdul	8/5/2025 10:30:24 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031353.D	DCPA	Abdul	8/5/2025 10:30:24 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031353.D	DCPA #2	Abdul	8/5/2025 10:30:24 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031353.D	DICAMBA	Abdul	8/5/2025 10:30:24 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031353.D	DICAMBA #2	Abdul	8/5/2025 10:30:24 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031353.D	MCPP	Abdul	8/5/2025 10:30:24 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031353.D	MCPP #2	Abdul	8/5/2025 10:30:24 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031353.D	Pentachlorophenol	Abdul	8/5/2025 10:30:24 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031353.D	Picloram	Abdul	8/5/2025 10:30:24 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
PB169091BS	PS031355.D	2,4-DB	Abdul	8/5/2025 10:30:28 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
PB169091BS	PS031355.D	3,5-DICHLOROBENZOIC ACID	Abdul	8/5/2025 10:30:28 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
PB169091BS	PS031355.D	DCPA	Abdul	8/5/2025 10:30:28 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps080425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169091BS	PS031355.D	DCPA #2	Abdul	8/5/2025 10:30:28 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
PB169091BS	PS031355.D	DICAMBA	Abdul	8/5/2025 10:30:28 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
PB169091BS	PS031355.D	DICAMBA #2	Abdul	8/5/2025 10:30:28 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
PB169091BS	PS031355.D	MCPP	Abdul	8/5/2025 10:30:28 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
PB169091BS	PS031355.D	MCPP #2	Abdul	8/5/2025 10:30:28 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
PB169091BS	PS031355.D	Pentachlorophenol	Abdul	8/5/2025 10:30:28 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
PB169091BS	PS031355.D	Picloram	Abdul	8/5/2025 10:30:28 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031358.D	3,5-DICHLOROBENZOIC ACID	Abdul	8/5/2025 10:30:36 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031358.D	DCPA	Abdul	8/5/2025 10:30:36 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031358.D	DCPA #2	Abdul	8/5/2025 10:30:36 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031358.D	DICAMBA	Abdul	8/5/2025 10:30:36 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031358.D	DICAMBA #2	Abdul	8/5/2025 10:30:36 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031358.D	MCPP	Abdul	8/5/2025 10:30:36 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps080425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031358.D	MCPP #2	Abdul	8/5/2025 10:30:36 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031358.D	Pentachlorophenol	Abdul	8/5/2025 10:30:36 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031358.D	Picloram	Abdul	8/5/2025 10:30:36 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2747-01	PS031359.D	2,4-DCAA	Abdul	8/5/2025 10:30:40 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2747-05	PS031361.D	2,4-DCAA #2	Abdul	8/5/2025 10:30:47 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2747-07	PS031362.D	2,4-DCAA #2	Abdul	8/5/2025 10:30:51 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	2,4-DB	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	2,4-DB #2	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	3,5-DICHLOROBENZOIC ACID	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	Dalapon	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	Dalapon #2	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	DCPA	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	DCPA #2	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps080425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2753-01MS	PS031365.D	DICAMBA	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	DICAMBA #2	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	DINOSEB	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	MCPP	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	MCPP #2	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	Pentachlorophenol	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MS	PS031365.D	Picloram	Abdul	8/5/2025 10:31:00 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	2,4-DB	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	3,5-DICHLOROBENZOIC ACID	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	Dalapon	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	Dalapon #2	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	DCPA	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	DCPA #2	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps080425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2753-01MSD	PS031366.D	DICAMBA	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	DICAMBA #2	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	DICHLORPROP #2	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	DINOSEB	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	MCPP	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	MCPP #2	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	Pentachlorophenol	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
Q2753-01MSD	PS031366.D	Picloram	Abdul	8/5/2025 10:31:04 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031368.D	2,4-DB	Abdul	8/5/2025 10:31:22 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031368.D	3,5-DICHLOROBENZOIC ACID	Abdul	8/5/2025 10:31:22 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031368.D	DCPA	Abdul	8/5/2025 10:31:22 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031368.D	DCPA #2	Abdul	8/5/2025 10:31:22 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031368.D	DICAMBA	Abdul	8/5/2025 10:31:22 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps080425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031368.D	DICAMBA #2	Abdul	8/5/2025 10:31:22 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031368.D	MCPP	Abdul	8/5/2025 10:31:22 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031368.D	MCPP #2	Abdul	8/5/2025 10:31:22 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031368.D	Pentachlorophenol	Abdul	8/5/2025 10:31:22 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software
HSTDCCC750	PS031368.D	Picloram	Abdul	8/5/2025 10:31:22 AM	mohammad	8/6/2025 1:27:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS080525	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031371.D	3,5-DICHLOROBENZOIC ACID	Abdul	8/6/2025 8:22:43 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031371.D	DCPA	Abdul	8/6/2025 8:22:43 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031371.D	DCPA #2	Abdul	8/6/2025 8:22:43 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031371.D	DICAMBA	Abdul	8/6/2025 8:22:43 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031371.D	DICAMBA #2	Abdul	8/6/2025 8:22:43 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031371.D	DINOSEB #2	Abdul	8/6/2025 8:22:43 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031371.D	MCPP	Abdul	8/6/2025 8:22:43 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031371.D	MCPP #2	Abdul	8/6/2025 8:22:43 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031371.D	Pentachlorophenol	Abdul	8/6/2025 8:22:43 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031371.D	Picloram	Abdul	8/6/2025 8:22:43 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
Q2747-01RE	PS031372.D	2,4-DCAA	Abdul	8/6/2025 8:22:47 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
Q2747-03	PS031373.D	2,4-DCAA	Abdul	8/6/2025 8:22:50 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
Q2747-03	PS031373.D	2,4-DCAA #2	Abdul	8/6/2025 8:22:50 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS080525	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031376.D	3,5-DICHLOROBENZOIC ACID	Abdul	8/6/2025 8:22:53 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031376.D	DCPA	Abdul	8/6/2025 8:22:53 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031376.D	DCPA #2	Abdul	8/6/2025 8:22:53 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031376.D	DICAMBA	Abdul	8/6/2025 8:22:53 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031376.D	DICAMBA #2	Abdul	8/6/2025 8:22:53 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031376.D	DINOSEB #2	Abdul	8/6/2025 8:22:53 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031376.D	MCPP	Abdul	8/6/2025 8:22:53 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031376.D	MCPP #2	Abdul	8/6/2025 8:22:53 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031376.D	Pentachlorophenol	Abdul	8/6/2025 8:22:53 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software
HSTDCCC750	PS031376.D	Picloram	Abdul	8/6/2025 8:22:53 AM	mohammad	8/7/2025 1:28:43	Peak Integrated by Software

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 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	PS031273.D	29 Jul 2025 15:42	AR\AJ	Ok
2	I.BLK	PS031274.D	29 Jul 2025 16:06	AR\AJ	Ok
3	HSTDICC200	PS031275.D	29 Jul 2025 16:30	AR\AJ	Ok,M
4	HSTDICC500	PS031276.D	29 Jul 2025 16:54	AR\AJ	Ok
5	HSTDICC750	PS031277.D	29 Jul 2025 17:18	AR\AJ	Ok
6	HSTDICC1000	PS031278.D	29 Jul 2025 17:42	AR\AJ	Ok,M
7	HSTDICC1500	PS031279.D	29 Jul 2025 18:07	AR\AJ	Ok,M
8	HSTDICV750	PS031280.D	29 Jul 2025 18:31	AR\AJ	Ok
9	I.BLK	PS031281.D	29 Jul 2025 18:55	AR\AJ	Ok
10	HSTDCCC750	PS031282.D	29 Jul 2025 19:19	AR\AJ	Ok,M
11	Q2668-01	PS031283.D	29 Jul 2025 19:43	AR\AJ	Ok
12	Q2668-05	PS031284.D	29 Jul 2025 20:07	AR\AJ	Ok
13	Q2668-09	PS031285.D	29 Jul 2025 20:32	AR\AJ	Ok
14	PB169024BL	PS031286.D	29 Jul 2025 20:56	AR\AJ	Ok
15	PB169024BS	PS031287.D	29 Jul 2025 21:20	AR\AJ	Ok,M
16	Q2668-09MS	PS031288.D	29 Jul 2025 21:44	AR\AJ	Ok,M
17	Q2668-09MSD	PS031289.D	29 Jul 2025 22:08	AR\AJ	Ok,M
18	Q2691-01	PS031290.D	29 Jul 2025 22:32	AR\AJ	Not Ok
19	Q2691-07	PS031291.D	29 Jul 2025 22:57	AR\AJ	ReRun
20	I.BLK	PS031292.D	29 Jul 2025 23:21	AR\AJ	Ok
21	HSTDCCC750	PS031293.D	29 Jul 2025 23:45	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 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	PB169037BL	PS031294.D	30 Jul 2025 00:09	AR\AJ	Ok
23	PB169037BS	PS031295.D	30 Jul 2025 00:33	AR\AJ	Ok
24	PB168986TB	PS031296.D	30 Jul 2025 00:57	AR\AJ	Ok
25	Q2681-01	PS031297.D	30 Jul 2025 01:20	AR\AJ	Ok
26	Q2681-01MS	PS031298.D	30 Jul 2025 01:44	AR\AJ	Ok,M
27	Q2681-01MSD	PS031299.D	30 Jul 2025 02:09	AR\AJ	Ok,M
28	I.BLK	PS031300.D	30 Jul 2025 02:33	AR\AJ	Ok
29	HSTDCCC750	PS031301.D	30 Jul 2025 02:57	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS080425

Review By	Abdul	Review On	8/5/2025 10:31:48 AM		
Supervise By	mohammad	Supervise On	8/6/2025 1:27:18 AM		
SubDirectory	PS080425	HP Acquire Method		HP Processing Method	ps072925 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	PS031351.D	04 Aug 2025 09:22	AR\AJ	Ok
2	I.BLK	PS031352.D	04 Aug 2025 09:46	AR\AJ	Ok
3	HSTDCCC750	PS031353.D	04 Aug 2025 10:10	AR\AJ	Ok,M
4	PB169091BL	PS031354.D	04 Aug 2025 16:35	AR\AJ	Ok
5	PB169091BS	PS031355.D	04 Aug 2025 16:59	AR\AJ	Ok,M
6	Q2734-01	PS031356.D	04 Aug 2025 17:23	AR\AJ	Ok,M
7	I.BLK	PS031357.D	04 Aug 2025 17:47	AR\AJ	Ok
8	HSTDCCC750	PS031358.D	04 Aug 2025 18:11	AR\AJ	Ok,M
9	Q2747-01	PS031359.D	04 Aug 2025 18:35	AR\AJ	ReRun
10	Q2747-03	PS031360.D	04 Aug 2025 19:00	AR\AJ	Not Ok
11	Q2747-05	PS031361.D	04 Aug 2025 19:24	AR\AJ	Ok,M
12	Q2747-07	PS031362.D	04 Aug 2025 19:48	AR\AJ	Ok,M
13	Q2747-09	PS031363.D	04 Aug 2025 20:12	AR\AJ	Not Ok
14	Q2753-01	PS031364.D	04 Aug 2025 20:36	AR\AJ	Ok,M
15	Q2753-01MS	PS031365.D	04 Aug 2025 21:01	AR\AJ	Ok,M
16	Q2753-01MSD	PS031366.D	04 Aug 2025 21:25	AR\AJ	Ok,M
17	I.BLK	PS031367.D	04 Aug 2025 21:49	AR\AJ	Ok
18	HSTDCCC750	PS031368.D	04 Aug 2025 22:13	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS080525

Review By	Abdul	Review On	8/6/2025 8:23:15 AM		
Supervise By	mohammad	Supervise On	8/7/2025 1:28:43 AM		
SubDirectory	PS080525	HP Acquire Method		HP Processing Method	ps072925 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	PS031369.D	05 Aug 2025 10:36	AR\AJ	Ok
2	I.BLK	PS031370.D	05 Aug 2025 11:00	AR\AJ	Ok
3	HSTDCCC750	PS031371.D	05 Aug 2025 11:25	AR\AJ	Ok,M
4	Q2747-01RE	PS031372.D	05 Aug 2025 12:50	AR\AJ	Confirms
5	Q2747-03	PS031373.D	05 Aug 2025 13:14	AR\AJ	Ok,M
6	Q2747-09	PS031374.D	05 Aug 2025 14:58	AR\AJ	Ok
7	I.BLK	PS031375.D	05 Aug 2025 15:24	AR\AJ	Ok
8	HSTDCCC750	PS031376.D	05 Aug 2025 15:48	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 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	PS031273.D	29 Jul 2025 15:42		AR\AJ	Ok
2	I.BLK	I.BLK	PS031274.D	29 Jul 2025 16:06		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031275.D	29 Jul 2025 16:30		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS031276.D	29 Jul 2025 16:54		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS031277.D	29 Jul 2025 17:18		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031278.D	29 Jul 2025 17:42		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS031279.D	29 Jul 2025 18:07		AR\AJ	Ok,M
8	HSTDICV750	ICVPS072925	PS031280.D	29 Jul 2025 18:31		AR\AJ	Ok
9	I.BLK	I.BLK	PS031281.D	29 Jul 2025 18:55		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS031282.D	29 Jul 2025 19:19		AR\AJ	Ok,M
11	Q2668-01	TP-2	PS031283.D	29 Jul 2025 19:43		AR\AJ	Ok
12	Q2668-05	TP-3	PS031284.D	29 Jul 2025 20:07		AR\AJ	Ok
13	Q2668-09	TP-1	PS031285.D	29 Jul 2025 20:32		AR\AJ	Ok
14	PB169024BL	PB169024BL	PS031286.D	29 Jul 2025 20:56		AR\AJ	Ok
15	PB169024BS	PB169024BS	PS031287.D	29 Jul 2025 21:20		AR\AJ	Ok,M
16	Q2668-09MS	TP-1MS	PS031288.D	29 Jul 2025 21:44	Some compound recovery fail	AR\AJ	Ok,M
17	Q2668-09MSD	TP-1MSD	PS031289.D	29 Jul 2025 22:08	Some compound recovery fail	AR\AJ	Ok,M
18	Q2691-01	295	PS031290.D	29 Jul 2025 22:32	surrogate fail in both column	AR\AJ	Not Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 8151

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

19	Q2691-07	299	PS031291.D	29 Jul 2025 22:57	Surrogate fail in 1st col	AR\AJ	ReRun
20	I.BLK	I.BLK	PS031292.D	29 Jul 2025 23:21		AR\AJ	Ok
21	HSTDCCC750	HSTDCCC750	PS031293.D	29 Jul 2025 23:45		AR\AJ	Ok,M
22	PB169037BL	PB169037BL	PS031294.D	30 Jul 2025 00:09		AR\AJ	Ok
23	PB169037BS	PB169037BS	PS031295.D	30 Jul 2025 00:33		AR\AJ	Ok
24	PB168986TB	PB168986TB	PS031296.D	30 Jul 2025 00:57		AR\AJ	Ok
25	Q2681-01	NYPA-POUCH-SPENT-	PS031297.D	30 Jul 2025 01:20		AR\AJ	Ok
26	Q2681-01MS	NYPA-POUCH-SPENT-	PS031298.D	30 Jul 2025 01:44	Recovery fail	AR\AJ	Ok,M
27	Q2681-01MSD	NYPA-POUCH-SPENT-	PS031299.D	30 Jul 2025 02:09	Recovery fail	AR\AJ	Ok,M
28	I.BLK	I.BLK	PS031300.D	30 Jul 2025 02:33		AR\AJ	Ok
29	HSTDCCC750	HSTDCCC750	PS031301.D	30 Jul 2025 02:57		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS080425

Review By	Abdul	Review On	8/5/2025 10:31:48 AM		
Supervise By	mohammad	Supervise On	8/6/2025 1:27:18 AM		
SubDirectory	PS080425	HP Acquire Method		HP Processing Method	ps072925 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	PS031351.D	04 Aug 2025 09:22		AR\AJ	Ok
2	I.BLK	I.BLK	PS031352.D	04 Aug 2025 09:46		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031353.D	04 Aug 2025 10:10		AR\AJ	Ok,M
4	PB169091BL	PB169091BL	PS031354.D	04 Aug 2025 16:35		AR\AJ	Ok
5	PB169091BS	PB169091BS	PS031355.D	04 Aug 2025 16:59		AR\AJ	Ok,M
6	Q2734-01	VNJ-253	PS031356.D	04 Aug 2025 17:23		AR\AJ	Ok,M
7	I.BLK	I.BLK	PS031357.D	04 Aug 2025 17:47		AR\AJ	Ok
8	HSTDCCC750	HSTDCCC750	PS031358.D	04 Aug 2025 18:11		AR\AJ	Ok,M
9	Q2747-01	OU4-TS-GRILLO-OG2-	PS031359.D	04 Aug 2025 18:35	Surrogate low in 2nd column	AR\AJ	ReRun
10	Q2747-03	OU4-TS-GRILLO-OG3-	PS031360.D	04 Aug 2025 19:00	Surrogate low in both column	AR\AJ	Not Ok
11	Q2747-05	OU4-TS-GRILLO-OG4-	PS031361.D	04 Aug 2025 19:24		AR\AJ	Ok,M
12	Q2747-07	OU4-TS-GRILLO-TSCF	PS031362.D	04 Aug 2025 19:48		AR\AJ	Ok,M
13	Q2747-09	OU4-TS-GRILLO-TSCF	PS031363.D	04 Aug 2025 20:12	Surrogate low in both column	AR\AJ	Not Ok
14	Q2753-01	289	PS031364.D	04 Aug 2025 20:36		AR\AJ	Ok,M
15	Q2753-01MS	289MS	PS031365.D	04 Aug 2025 21:01	some compound recovery fail	AR\AJ	Ok,M
16	Q2753-01MSD	289MSD	PS031366.D	04 Aug 2025 21:25	some compound recovery fail	AR\AJ	Ok,M
17	I.BLK	I.BLK	PS031367.D	04 Aug 2025 21:49		AR\AJ	Ok
18	HSTDCCC750	HSTDCCC750	PS031368.D	04 Aug 2025 22:13		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS080425

Review By	Abdul	Review On	8/5/2025 10:31:48 AM		
Supervise By	mohammad	Supervise On	8/6/2025 1:27:18 AM		
SubDirectory	PS080425	HP Acquire Method		HP Processing Method	ps072925 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	

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS080525

Review By	Abdul	Review On	8/6/2025 8:23:15 AM		
Supervise By	mohammad	Supervise On	8/7/2025 1:28:43 AM		
SubDirectory	PS080525	HP Acquire Method		HP Processing Method	ps072925 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	PS031369.D	05 Aug 2025 10:36		AR\AJ	Ok
2	I.BLK	I.BLK	PS031370.D	05 Aug 2025 11:00		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031371.D	05 Aug 2025 11:25		AR\AJ	Ok,M
4	Q2747-01RE	OU4-TS-GRILLO-OG2-	PS031372.D	05 Aug 2025 12:50	Surrogate low in 2nd column	AR\AJ	Confirms
5	Q2747-03	OU4-TS-GRILLO-OG3-	PS031373.D	05 Aug 2025 13:14		AR\AJ	Ok,M
6	Q2747-09	OU4-TS-GRILLO-TSCF	PS031374.D	05 Aug 2025 14:58		AR\AJ	Ok
7	I.BLK	I.BLK	PS031375.D	05 Aug 2025 15:24		AR\AJ	Ok
8	HSTDCCC750	HSTDCCC750	PS031376.D	05 Aug 2025 15:48		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/4/2025

OVENTEMP IN Celsius(°C): 106
Time IN: 16:15
In Date: 08/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:14
Out Date: 08/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136681

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
Q2744-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2744-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2744-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2744-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2744-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2744-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2747-01	OU4-TS-GRILLO-OG2-073125	7	1.17	10.04	11.21	8.77	75.7	
Q2747-03	OU4-TS-GRILLO-OG3-073125	8	1.16	10.28	11.44	9.14	77.6	
Q2747-05	OU4-TS-GRILLO-OG4-073125	9	1.17	10.36	11.53	9.51	80.5	
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	10	1.16	10.07	11.23	7.85	66.4	
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	11	1.18	10.08	11.26	7.6	63.7	
Q2753-01	289	12	1.17	10.62	11.79	10.99	92.5	
Q2754-01	OILY-RAGS	13	1.00	1.00	2.00	2.00	100.0	oily-rags
Q2755-01	80125-A	14	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2755-02	80125-B	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB 136681

WorkList Name : % SOLID-080125 **WorkList ID :** 191065 **Department :** Wet-Chemistry **Date :** 08-01-2025 15:30:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2744-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-07	OU4-TS-GRILLO-TSCP01-0731	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-09	OU4-TS-GRILLO-TSCP02-0731	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2753-01	289	Solid	Percent Solids	Cool 4 deg C	PSEG01	D41	08/01/2025	Chemtech -SO
Q2754-01	OILY-RAGS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	08/01/2025	Chemtech -SO
Q2755-01	80125-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	08/01/2025	Chemtech -SO
Q2755-02	80125-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	08/01/2025	Chemtech -SO

Date/Time 08/01/25 15:50
Raw Sample Received by: 12(WC)
Raw Sample Relinquished by: CP SM

Date/Time 08/01/25 16:25
Raw Sample Received by: CP SM
Raw Sample Relinquished by: 12(WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169091

SOP ID:	M8151A-Herbicide-23				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/04/2025
Matrix :	Solid			**Extraction Start Time :**	08:25
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/04/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	16:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	E3880	**Hood ID:**	3,4,7	**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	PP24737
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2626
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	E3954
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3952
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2631
Hexane	N/A	E3956
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 BTS721.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/4/25	RS (EXT Lab)	VR Post PCBs mb
16:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169091

Analytical Method: M8151A-Herbicide-23 **Concentration Date:** 08/04/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169091BL	HBLK091	Herbicide	30.03	N/A	ritesh	RUPESH	10			U3-1
PB169091BS	HLCS091	Herbicide	30.02	N/A	ritesh	RUPESH	10			2
Q2734-01	VNJ-253	Herbicide	30.07	N/A	ritesh	RUPESH	10	E		3
Q2747-01	OU4-TS-GRILLO-OG2-073125	Herbicide Group1	30.04	N/A	ritesh	RUPESH	10	E		4
Q2747-03	OU4-TS-GRILLO-OG3-073125	Herbicide Group1	30.08	N/A	ritesh	RUPESH	10	E		5
Q2747-05	OU4-TS-GRILLO-OG4-073125	Herbicide Group1	30.03	N/A	ritesh	RUPESH	10	E		6
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	Herbicide Group1	30.08	N/A	ritesh	RUPESH	10	E		U6-1
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	Herbicide Group1	30.06	N/A	ritesh	RUPESH	10	E		2
Q2753-01	289	Herbicide	30.07	N/A	ritesh	RUPESH	10	E		3
Q2753-01MS	289MS	Herbicide	30.01	N/A	ritesh	RUPESH	10	E		4
Q2753-01MSD	289MSD	Herbicide	30.03	N/A	ritesh	RUPESH	10	E		5

RS
8/4

* **Extracts relinquished on the same date as received.**

Q2747-Herbicide Group1

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2734H **WorkList ID :** 191079 **Department :** Extraction **Date :** 08-04-2025 08:20:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2734-01	VNJ-253	Solid	Herbicide	Cool 4 deg C	PSEG03	D31	07/31/2025	8151A
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O32	07/31/2025	8151A
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O32	07/31/2025	8151A
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O32	07/31/2025	8151A
Q2747-07	OU4-TS-GRILLO-TSCP01-073	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O32	07/31/2025	8151A
Q2747-09	OU4-TS-GRILLO-TSCP02-073	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O32	07/31/2025	8151A
Q2753-01	289	Solid	Herbicide	Cool 4 deg C	PSEG01		08/01/2025	8151A

Date/Time 08/04/25 8:20
Raw Sample Received by: RJ (EH-Lab)
Raw Sample Relinquished by: SM

Date/Time 08/04/25 8:35
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EH-Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q2747

Test : Herbicide Group1

Prepbatch ID : PB169091,

Sequence ID/Qc Batch ID: ps080425,PS080525,

Standard ID :
EP2621,EP2626,PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560,PP24561,PP24562,PP24654,PP24737,

Chemical ID :
E3551,E3881,E3933,E3940,E3949,E3951,E3954,E3956,M6151,M6157,P11183,P12620,P12630,P12689,P12710,P13543,P13544,P13545,P13546,P13971,P13977,P14064,P14065,P14066,P8829,

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Extractions STANDARD PREPARATION LOG

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2626	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 8000.00000ml of E3949 + 8000.00000ml of E3954 = Final Quantity: 16000.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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
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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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP24737	07/18/2025	01/18/2026	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 1.25000ml of P13977 + 1.25000ml of P14064 + 1.25000ml of P14065 + 1.25000ml of P14066 + 195.00000ml of E3956 = Final Quantity: 200.000 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-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

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)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

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	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	11/12/2025	05/12/2025 / Abdul	11/01/2021 / Abdul	P11183

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12620

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

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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	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

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

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/12/2025	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	01/18/2026	07/18/2025 / Abdul	04/02/2025 / Abdul	P13977

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	01/18/2026	07/18/2025 / Abdul	06/23/2025 / anahy	P14064

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	01/18/2026	07/18/2025 / Abdul	06/23/2025 / anahy	P14065

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	01/18/2026	07/18/2025 / Abdul	06/23/2025 / anahy	P14066

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 RJ 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.

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 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 %	<0.1 %
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

Reed on 7/2/25

E3949

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

VWR®
BDH® CHEMICALS

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	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
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	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 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

RS 7/14/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3954

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

Recieved on 7/16/25

E3956

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R-> 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1294

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

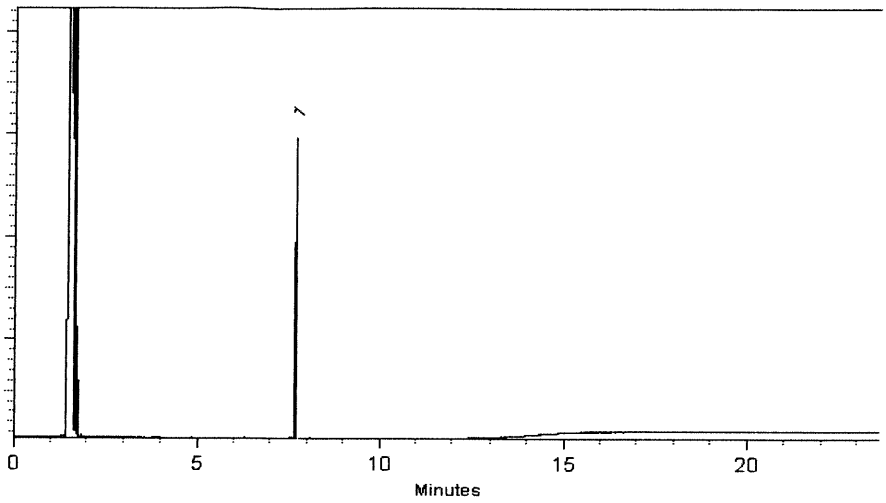
Carrier Gas:
hydrogen-constant pressure 10 psi.

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
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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

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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

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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12616 (S) → P12620 7/5/2023

Catalog No. : 32062 **Lot No.:** A0155055

Description : Herbicide Mix #4/ME (Methyl Ester)

Herbicide Mix #4/ME (Methyl Ester) 200µg/mL, Hexane/Methyl-tert-butyl-ether, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	3,5-Dichlorobenzoic acid methyl ester **CAS #** 2905-67-1 (Lot 3903900) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
2	4-Nitroanisole **CAS #** 100-17-4 (Lot 24765/7) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
3	Pentachloroanisole **CAS #** 1825-21-4 (Lot 7921100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
4	Chloramben methyl ester **CAS #** 7286-84-2 (Lot 6487100) **Purity** 98%	199.9 µg/mL	+/- 1.4176 µg/mL +/- 6.7480 µg/mL +/- 6.7480 µg/mL	Gravimetric Unstressed Stressed
5	Bentazon methyl ester **CAS #** 61592-45-8 (Lot 817100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
6	Picloram methyl ester **CAS #** 14143-55-6 (Lot 386-21B) **Purity** 98%	201.9 µg/mL	+/- 1.4315 µg/mL +/- 6.8141 µg/mL +/- 6.8141 µg/mL	Gravimetric Unstressed Stressed
7	DCPA methyl ester (Chlorthal-dimethyl) **CAS #** 1861-32-1 (Lot 8008700) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed

8	Acifluorfen methyl ester		200.0	µg/mL	+/-	1.4182	µg/mL	Gravimetric
	CAS # 50594-67-7	(Lot 6282300)			+/-	6.7507	µg/mL	Unstressed
	Purity 99%				+/-	6.7507	µg/mL	Stressed

Solvent: Hexane/Methyl-tert-butyl-ether
CAS # 110-54-3/1634-04-4
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

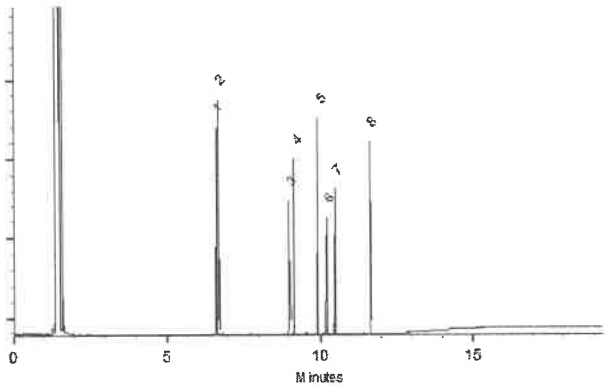
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael J Maye

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

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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.

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.)

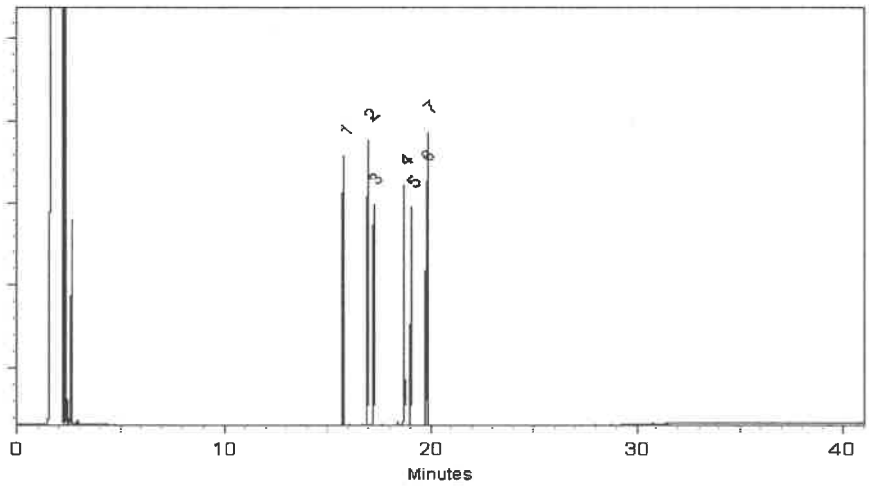
Inj. Temp:
250°C

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

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 12685 ↓ P 12689 (S)

7/24/23

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)

Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

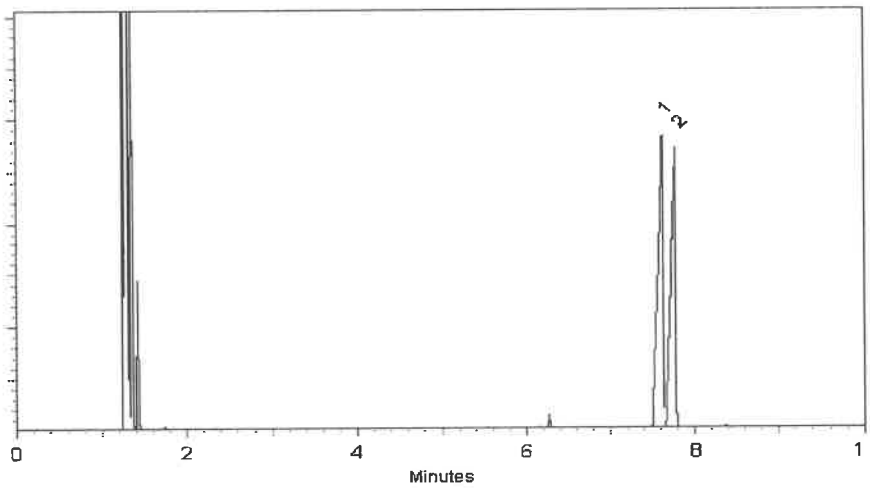
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Agilent

Trusted Answers

P12706 ↓ P12715 (10)

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Product Number: HBM-8151M-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006752480

Lot Issue Date: 18-Jul-2023

Expiration Date: 31-Aug-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen methyl ester	100.3	±	0.5 µg/mL	050594-67-7	RM03058
bentazon methyl derivative	100.2	±	0.5 µg/mL	061592-45-8	RM13829
chloramben methyl ester	100.4	±	0.5 µg/mL	007286-84-2	RM03055
2,4-D methyl ester	100.2	±	0.5 µg/mL	001928-38-7	RM03040
dalapon methyl ester	100.4	±	0.5 µg/mL	017640-02-7	RM14219
2,4-DB methyl ester	100.2	±	0.5 µg/mL	018625-12-2	RM03029
DCPA	100.2	±	0.5 µg/mL	001861-32-1	RM13426
dicamba methyl ester	100.4	±	0.5 µg/mL	006597-78-0	RM03039
methyl-3,5-dichlorobenzoate	100.1	±	0.5 µg/mL	002905-67-1	RM03048
dichlorprop methyl ester	100.4	±	0.5 µg/mL	057153-17-0	NT02086
dinoseb methyl ether	100.5	±	0.5 µg/mL	006099-79-2	RM03051
MCPA methyl ester	10031	±	50 µg/mL	002436-73-9	RM12863
MCPP methyl ester	10031	±	50 µg/mL	023844-56-6	RM20060
4-nitroanisole	100.3	±	0.5 µg/mL	000100-17-4	RM02806
pentachloroanisole	100.4	±	0.5 µg/mL	001825-21-4	RM02457
picloram methyl ester	100.2	±	0.5 µg/mL	014143-55-6	RM03044
silvex methyl ester	100.2	±	0.5 µg/mL	004841-20-7	RM03799
2,4,5-T methyl ester	100.4	±	0.5 µg/mL	001928-37-6	RM03033

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Agilent

Trusted Answers

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20ºC to 25ºC immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

P12706 (10)
↓
P12715

8.15.23

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541 ↓ P13561 (20)

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

9/25/2024

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541 ↓ P13561 (20)

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

9/25/2024

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
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Homogeneity:
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P13541 ↓ P13561 (20)

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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9/25/2024

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541 ↓ P13561 (20)

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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9/25/2024

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110 Benner Circle
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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.

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.)

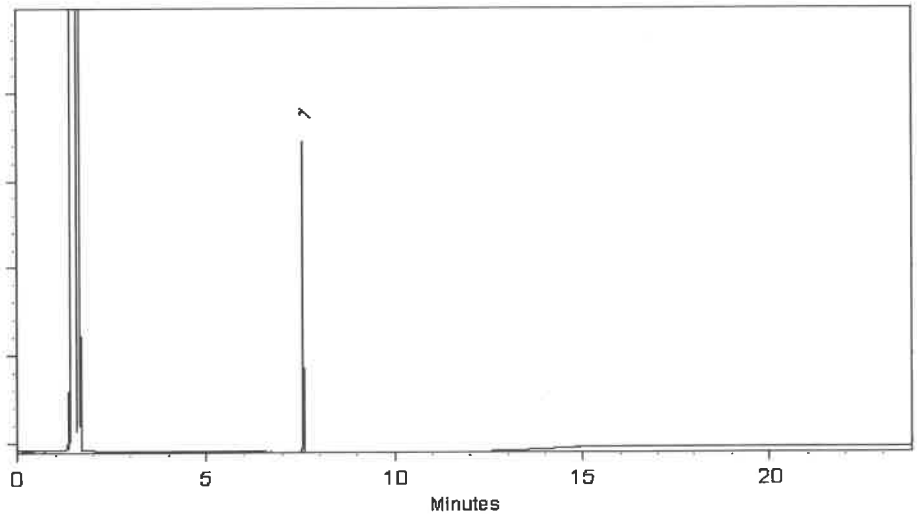
Inj. Temp:
250°C

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

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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.)

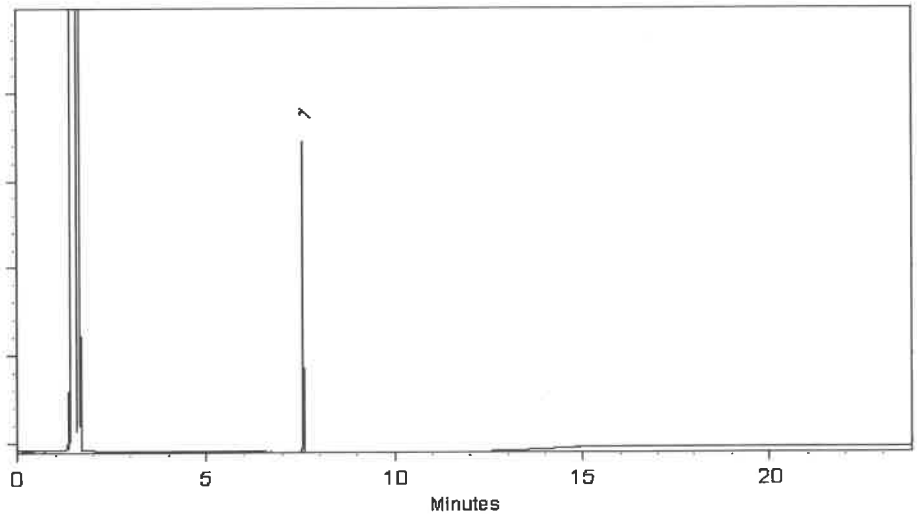
Inj. Temp:
250°C

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
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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.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

P14064 ↓ P14078 AC 6/23/25

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%

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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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

P14064 ↓ P14078 AC 6/23/25

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%

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

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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.

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

P14064 ↓ P14078 AC 6/23/25

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%

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

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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 **CAS #** 17640-02-7 (Lot 1764600) **Purity** 98%	999.6 µg/mL	+/- 10.0697 µg/mL +/- 34.4896 µg/mL +/- 34.4896 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

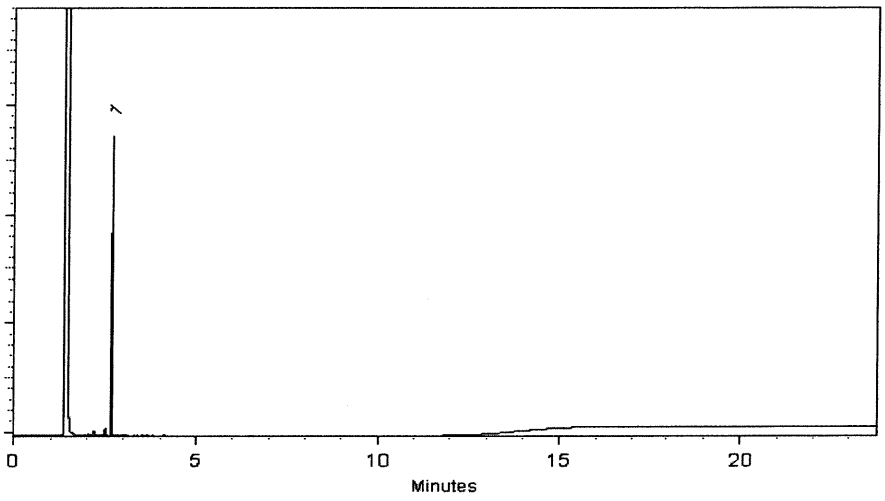
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Feng-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 2747

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page __1__ of __1__

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	S. Ryther

Requested Turnaround Time
5-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	
	OU4-TS-GRILLO-OG2-073125	7/31/25	10:50	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-OG3-073125	7/31/25	10:55	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-OG4-073125	7/31/25	11:00	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-TSCP01-073125	7/31/25	11:05	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-TSCP02-073125	7/31/25	11:10	C	SO		3	2	1				X	X	X	X	X	X		X	X	

[2] Preservation Code

Lab Use Only
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: 07/31/25 13:00
Received by: (signature)	Date/Time:
Relinquished by: (signature) FedEx	Date/Time: 8-1-25 1005
Received by: (signature)	Date/Time: 8-1-25 1005
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: 2.2°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2747 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 8/1/2025 10:40:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 8/1/2025 10:05:00 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
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	07/31/2025	10:50					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	07/31/2025	10:55					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	07/31/2025	11:00					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	Solid	07/31/2025	11:05					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	Solid	07/31/2025	11:10					
					VOCMS Group3		8260D		5 Bus. Days

Relinguished By :
Date / Time : 8/1/25 1100

Received By : Sam
Date / Time : 08/01/25 11:00
Storage Area : VOA Refridgerator Room

Rg # 6
FZ 2

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:30
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 29 17:39:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.316	7.768	613.0E6	176.6E6	206.922	208.304
	Target Compounds						
1) T	Dalapon	2.688	2.704	921.2E6	469.2E6	188.568	188.630
2) T	3,5-DICHL...	6.478	6.715	822.8E6	252.1E6	191.081	192.345
3) T	4-Nitroph...	7.118	7.313	182.4E6	226.4E6	181.893	178.469
5) T	DICAMBA	7.503	7.966	2468.5E6	1011.0E6	190.422	187.976
6) T	MCPP	7.681	8.060	113.1E6	25466191	15.263	15.980
7) T	MCPA	7.831	8.308	152.6E6	42129242	16.560	16.914
8) T	DICHLORPROP	8.214	8.687	633.4E6	264.1E6	203.032	198.356
9) T	2,4-D	8.448	9.030	484.4E6	272.4E6	188.589	193.254
10) T	Pentachlo...	8.745	9.538	9305.3E6	6464.8E6	191.406	189.296
11) T	2,4,5-TP ...	9.327	9.925	3115.2E6	2480.9E6	187.322	192.999
12) T	2,4,5-T	9.623	10.355	2308.7E6	2217.7E6	179.129	189.723
13) T	2,4-DB	10.202	10.925	289.9E6	199.3E6	175.484	208.526
14) T	DINOSEB	11.407	11.302	2130.4E6	1807.8E6	187.195	192.540
15) T	Picloram	11.230	12.428	1927.2E6	2762.4E6	173.439	170.671
16) T	DCPA	11.705	12.346	3830.0E6	3578.8E6	186.172	191.067

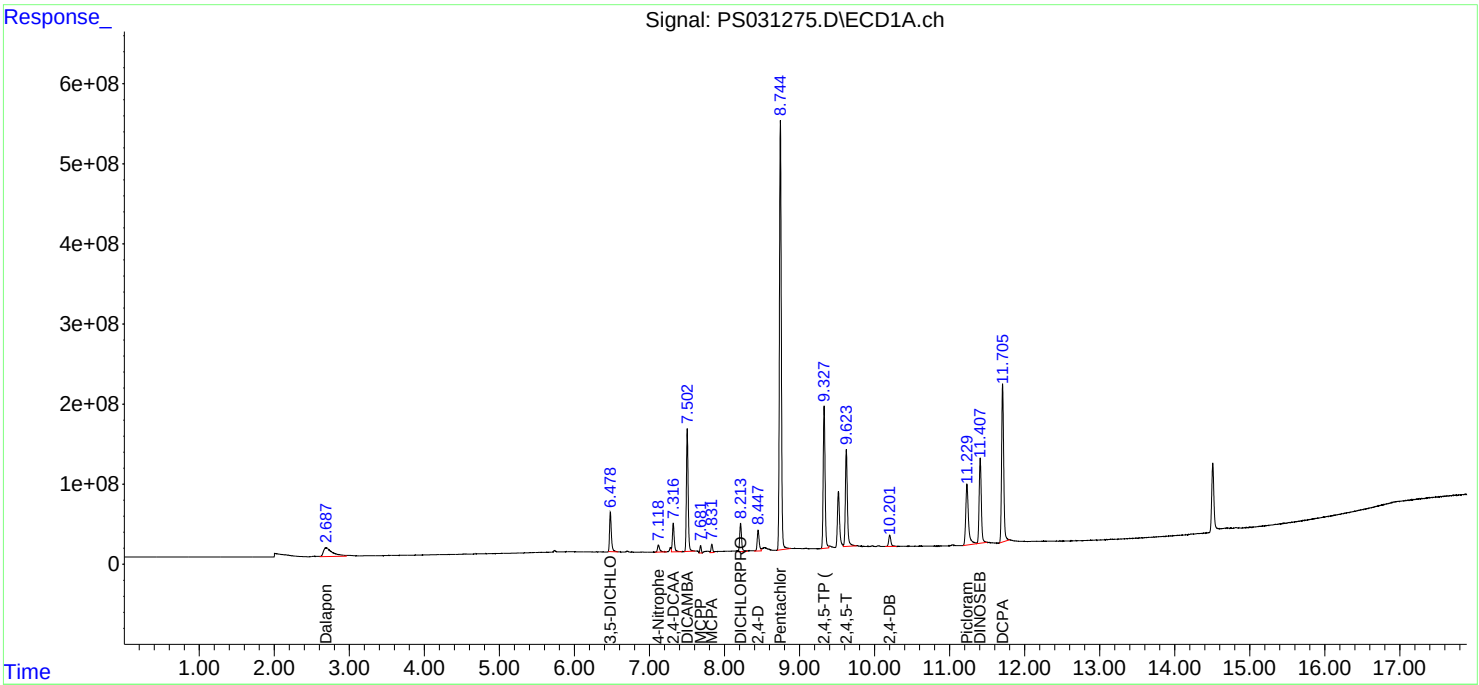
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

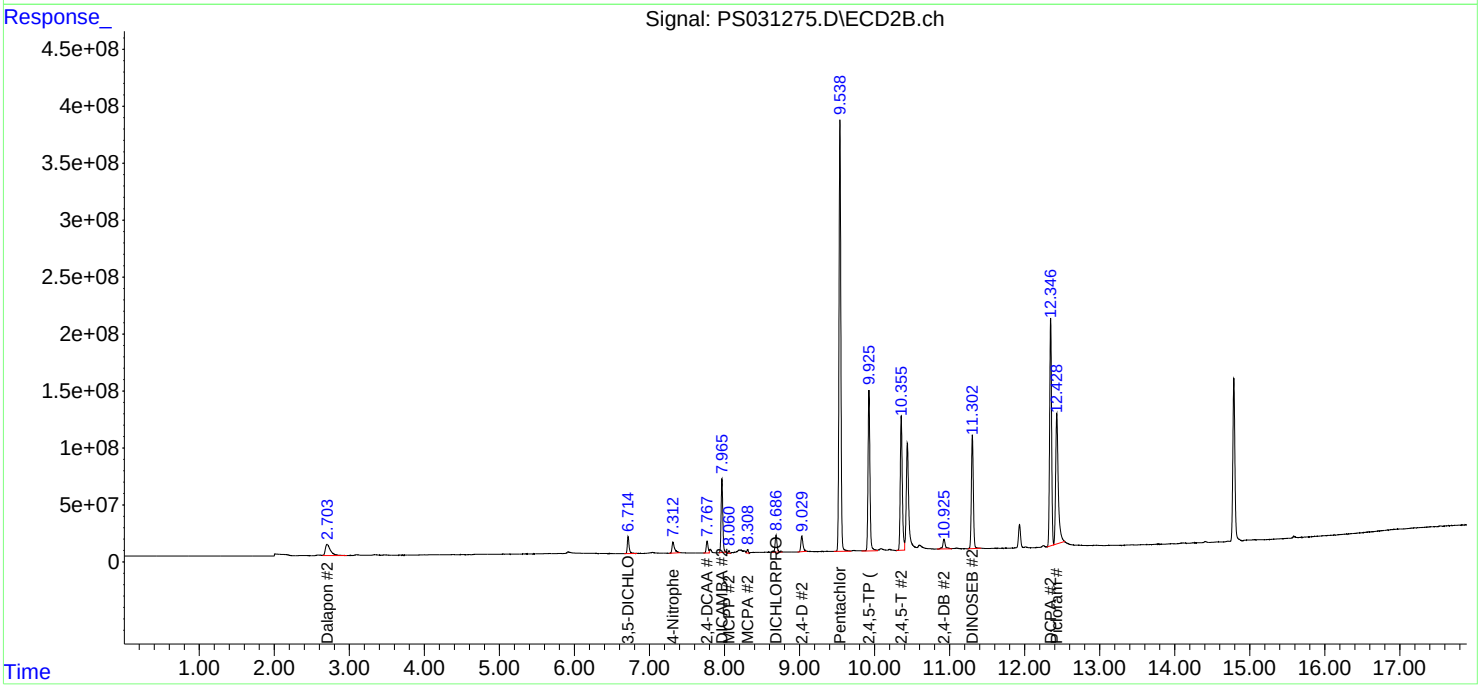
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:30
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

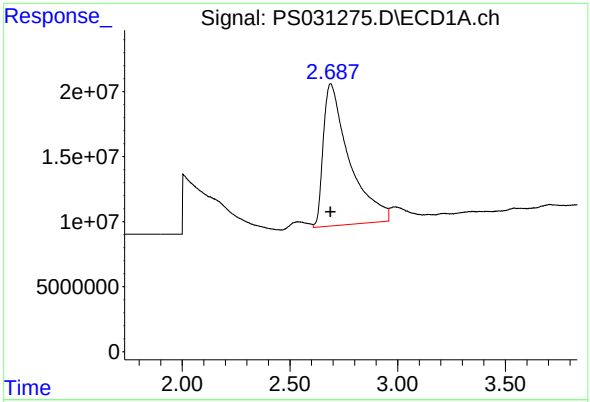
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 17:39:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



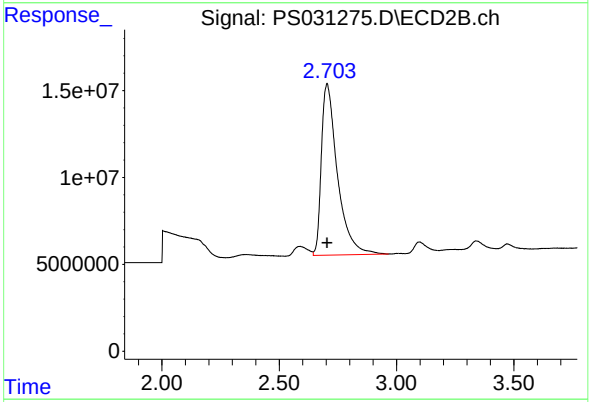




#1 Dalapon

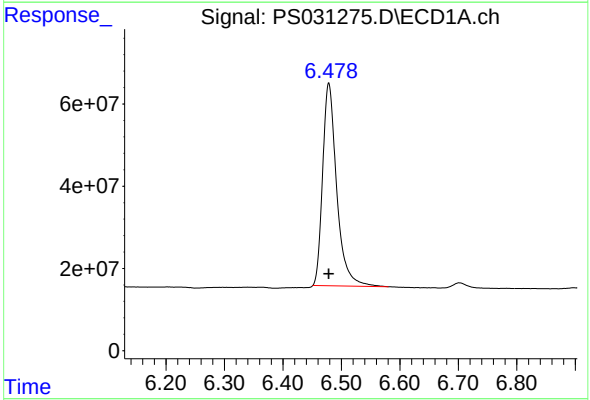
R.T.: 2.688 min
Delta R.T.: 0.000 min
Response: 921169663
Conc: 188.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



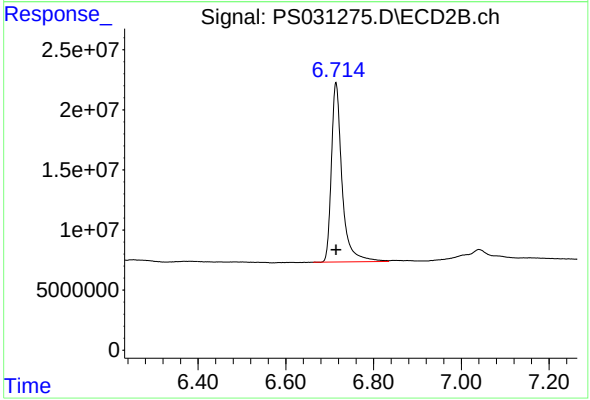
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 469186112
Conc: 188.63 ng/ml



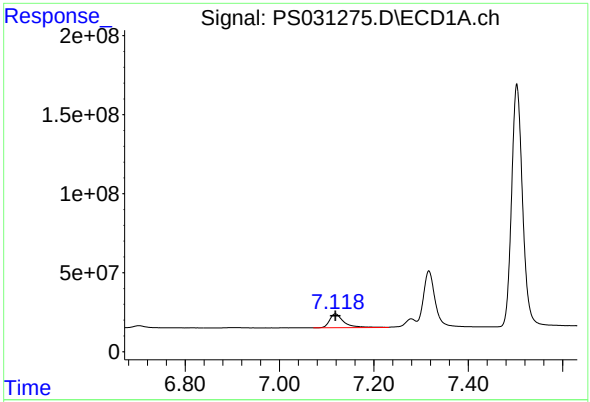
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 822756364
Conc: 191.08 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

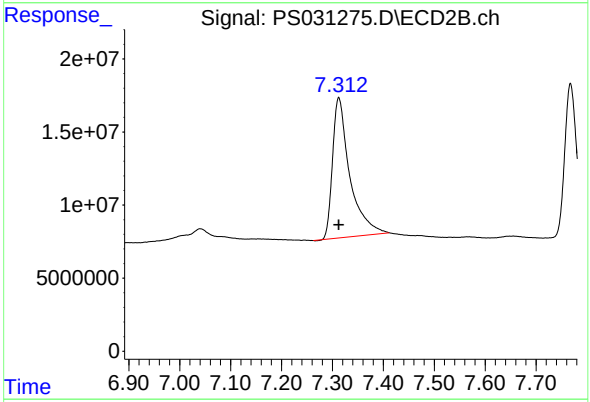
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 252050677
Conc: 192.35 ng/ml



#3 4-Nitrophenol

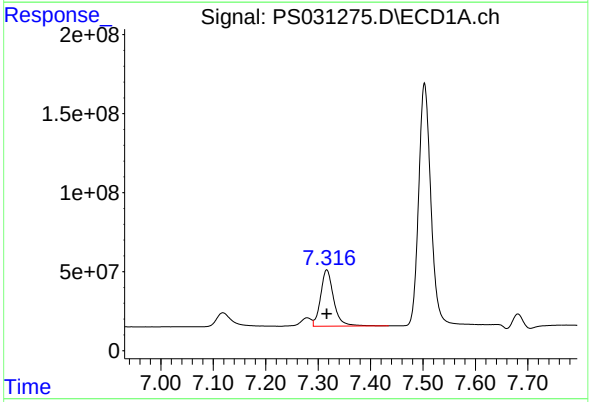
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 182409458
Conc: 181.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



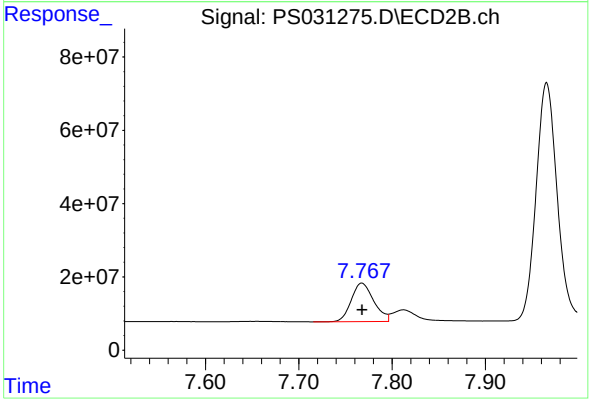
#3 4-Nitrophenol

R.T.: 7.313 min
Delta R.T.: 0.000 min
Response: 226384237
Conc: 178.47 ng/ml



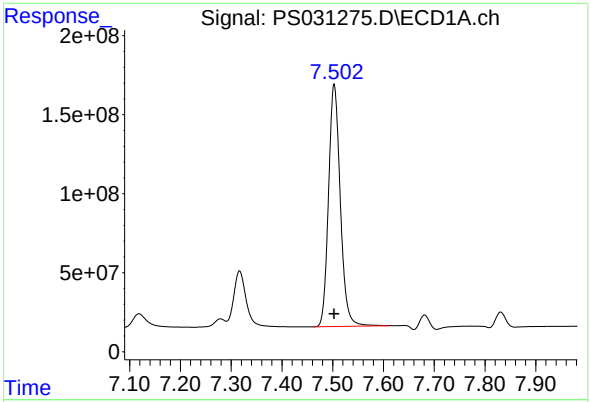
#4 2,4-DCAA

R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 612967772
Conc: 206.92 ng/ml



#4 2,4-DCAA

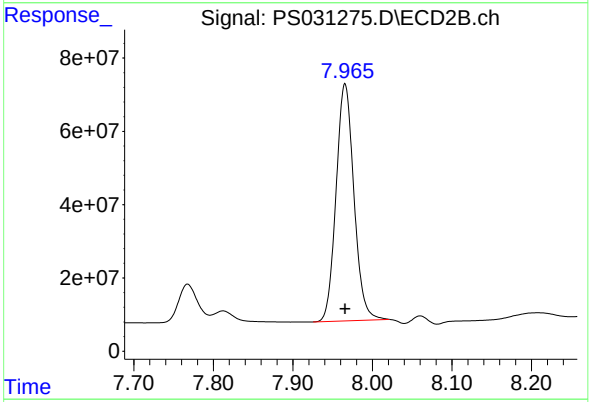
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 176559435
Conc: 208.30 ng/ml



#5 DICAMBA

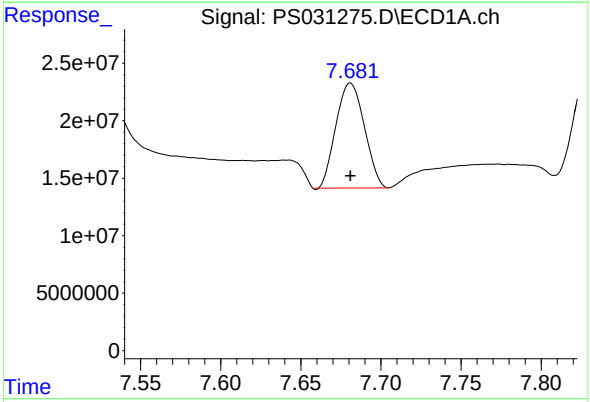
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 2468469764
Conc: 190.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



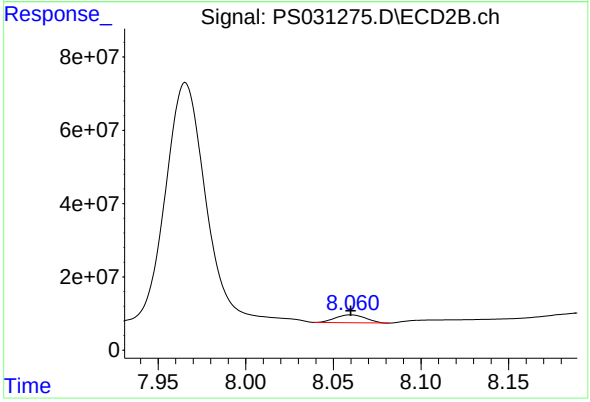
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: 0.000 min
Response: 1010996129
Conc: 187.98 ng/ml



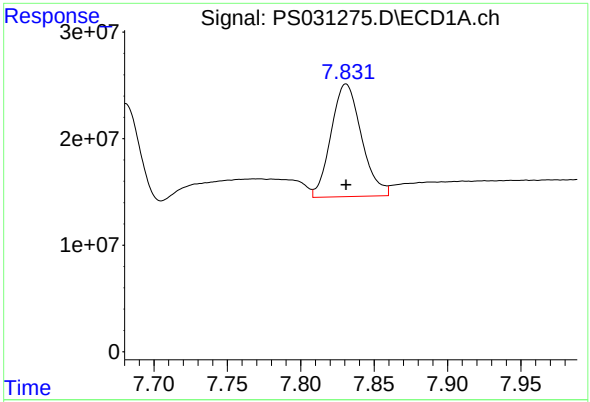
#6 MCPP

R.T.: 7.681 min
Delta R.T.: 0.000 min
Response: 113132233
Conc: 15.26 ug/ml



#6 MCPP

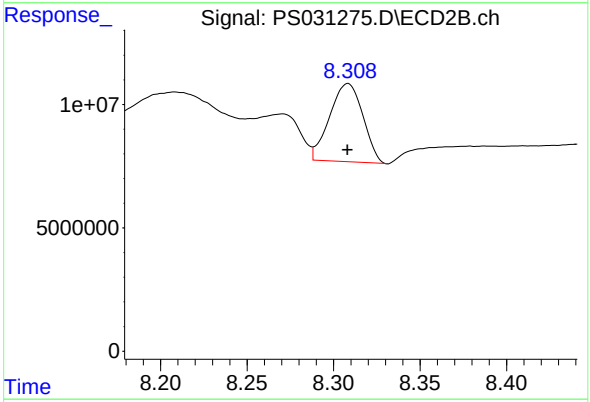
R.T.: 8.060 min
Delta R.T.: 0.000 min
Response: 25466191
Conc: 15.98 ug/ml



#7 MCPA

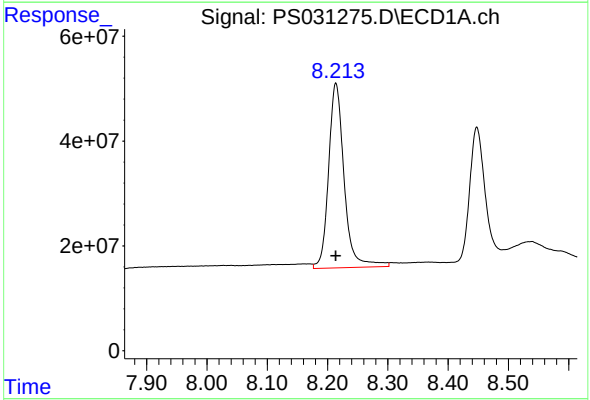
R.T.: 7.831 min
Delta R.T.: 0.000 min
Response: 152634492
Conc: 16.56 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



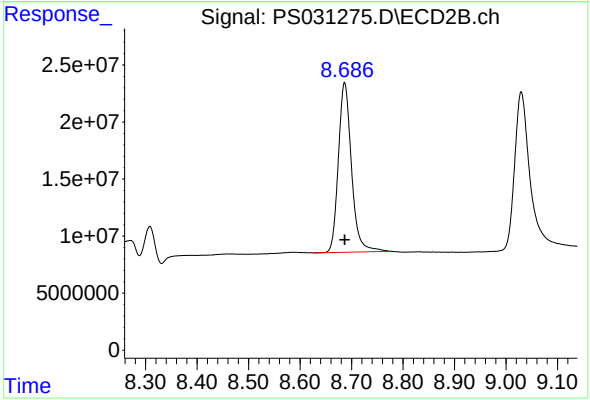
#7 MCPA

R.T.: 8.308 min
Delta R.T.: 0.000 min
Response: 42129242
Conc: 16.91 ug/ml



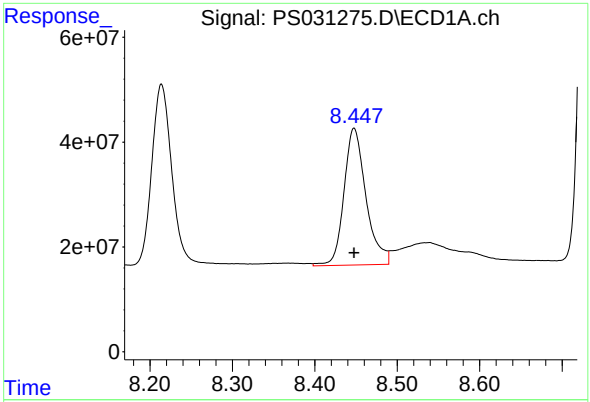
#8 DICHLORPROP

R.T.: 8.214 min
Delta R.T.: 0.000 min
Response: 633442014
Conc: 203.03 ng/ml



#8 DICHLORPROP

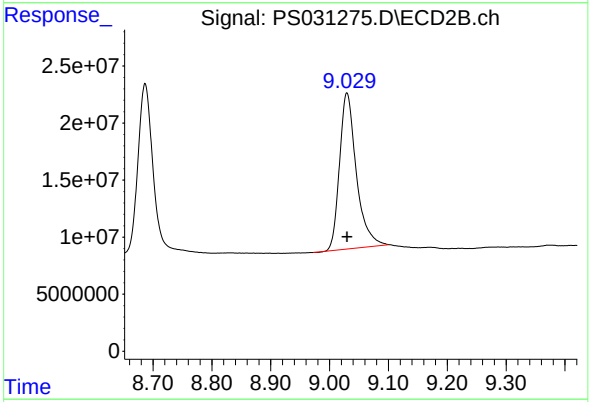
R.T.: 8.687 min
Delta R.T.: 0.000 min
Response: 264117010
Conc: 198.36 ng/ml



#9 2,4-D

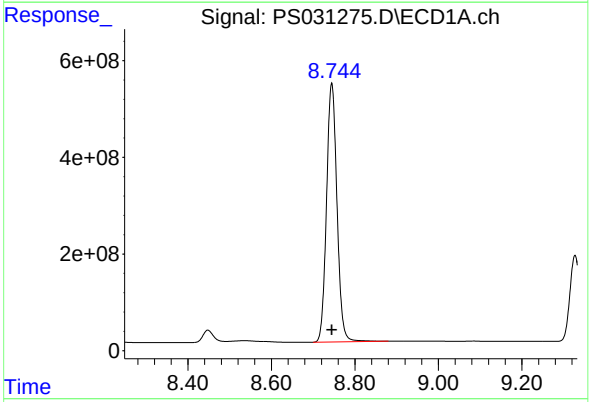
R.T.: 8.448 min
Delta R.T.: 0.000 min
Response: 484395281
Conc: 188.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



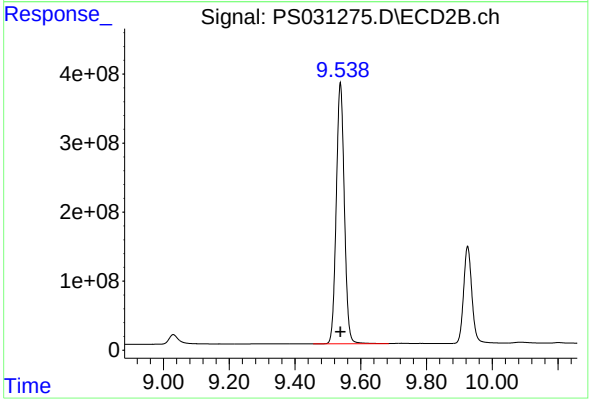
#9 2,4-D

R.T.: 9.030 min
Delta R.T.: 0.000 min
Response: 272398710
Conc: 193.25 ng/ml



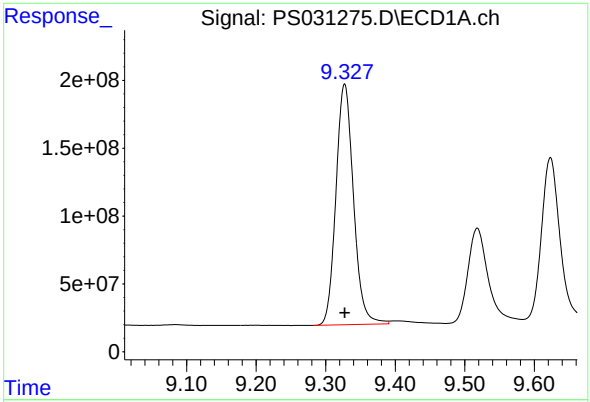
#10 Pentachlorophenol

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 9305287569
Conc: 191.41 ng/ml



#10 Pentachlorophenol

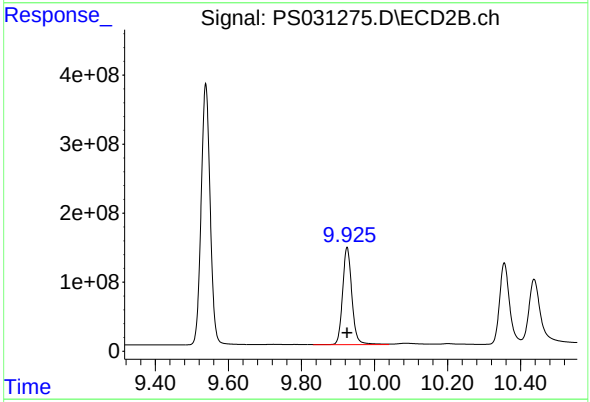
R.T.: 9.538 min
Delta R.T.: 0.000 min
Response: 6464774696
Conc: 189.30 ng/ml



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

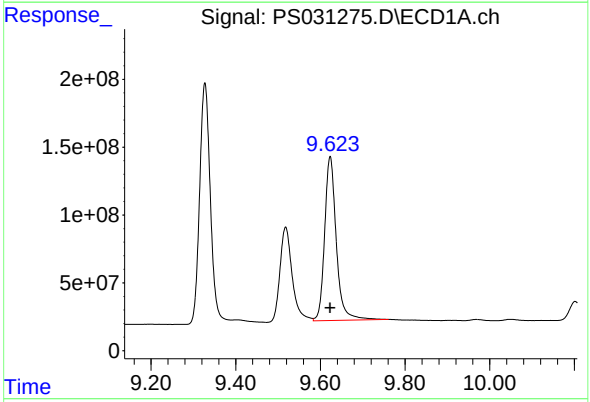
R.T.: 9.327 min
Delta R.T.: 0.000 min
Response: 3115240515
Conc: 187.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



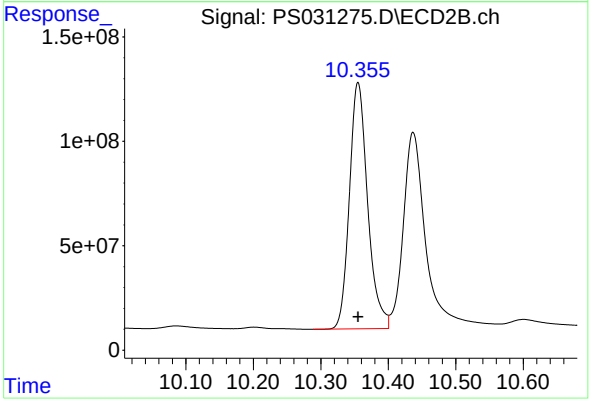
#11 2,4,5-TP (SILVEX)

R.T.: 9.925 min
Delta R.T.: 0.000 min
Response: 2480902473
Conc: 193.00 ng/ml



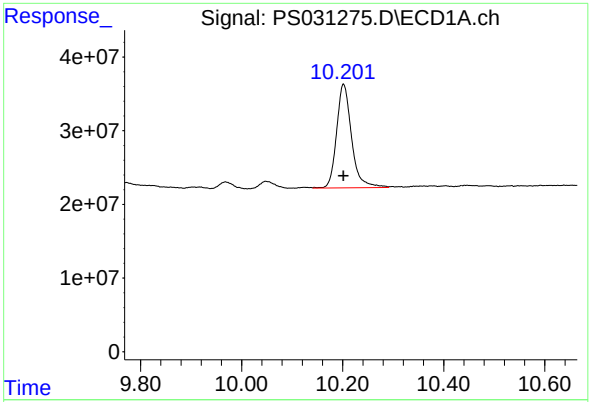
#12 2,4,5-T

R.T.: 9.623 min
Delta R.T.: 0.000 min
Response: 2308713314
Conc: 179.13 ng/ml



#12 2,4,5-T

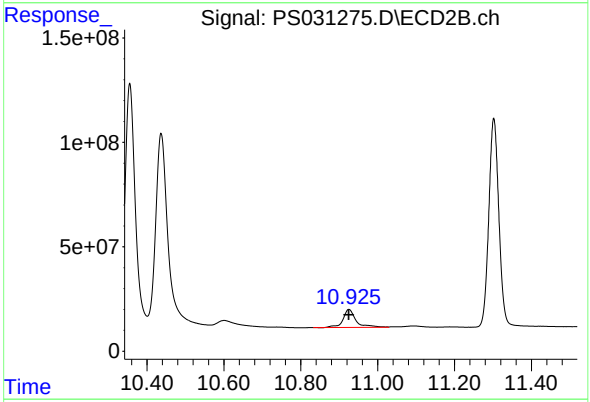
R.T.: 10.355 min
Delta R.T.: 0.000 min
Response: 2217695770
Conc: 189.72 ng/ml



#13 2,4-DB

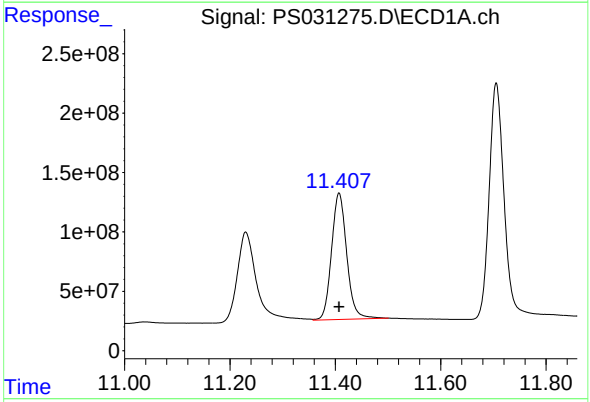
R.T.: 10.202 min
Delta R.T.: 0.000 min
Response: 289853079
Conc: 175.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



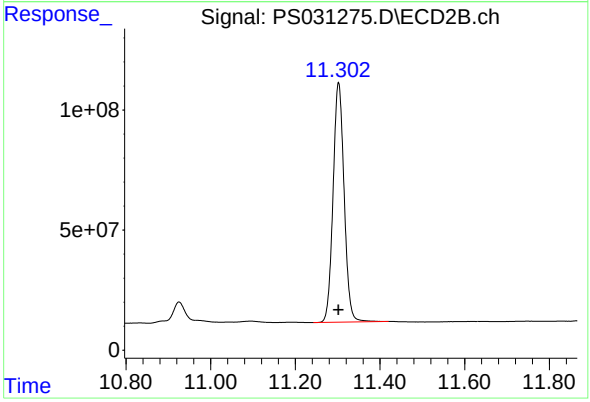
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 199344903
Conc: 208.53 ng/ml



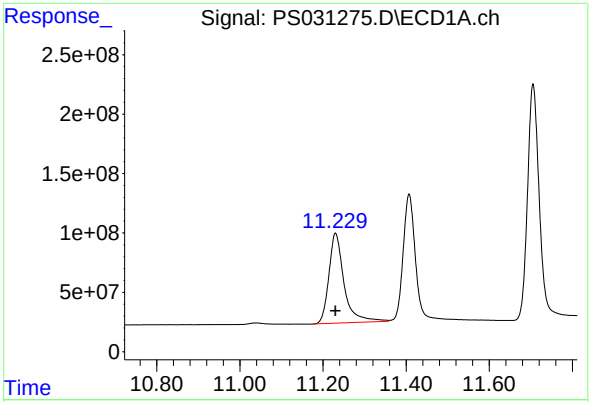
#14 DINOSEB

R.T.: 11.407 min
Delta R.T.: 0.000 min
Response: 2130418736
Conc: 187.19 ng/ml



#14 DINOSEB

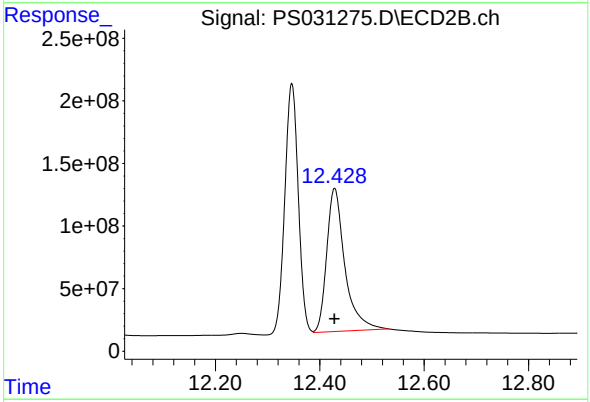
R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 1807779840
Conc: 192.54 ng/ml



#15 Picloram

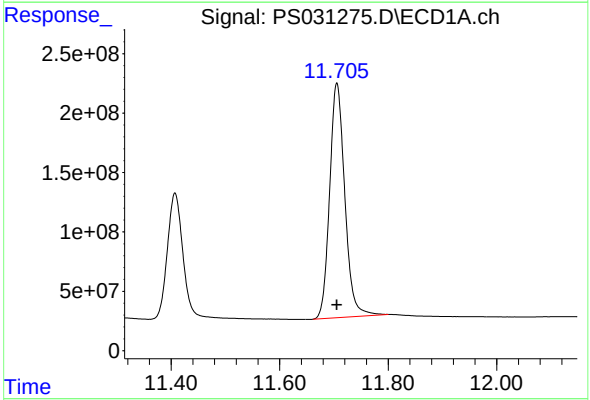
R.T.: 11.230 min
Delta R.T.: 0.000 min
Response: 1927245063
Conc: 173.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



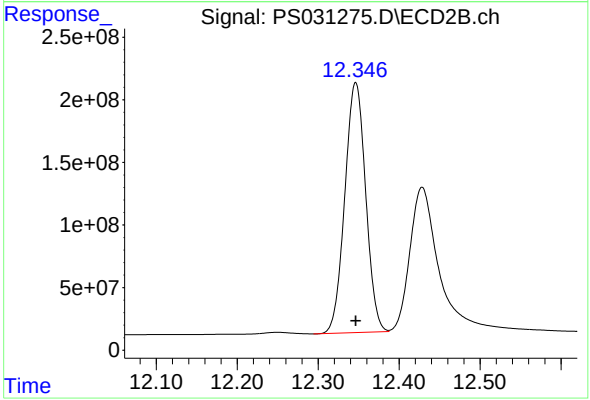
#15 Picloram

R.T.: 12.428 min
Delta R.T.: 0.000 min
Response: 2762429194
Conc: 170.67 ng/ml



#16 DCPA

R.T.: 11.705 min
Delta R.T.: 0.000 min
Response: 3829977338
Conc: 186.17 ng/ml



#16 DCPA

R.T.: 12.346 min
Delta R.T.: 0.000 min
Response: 3578820387
Conc: 191.07 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:42
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 29 18:33:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:33:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.315	7.764	2871.4E6	820.7E6	976.793	975.983
	Target Compounds						
1) T	Dalapon	2.689	2.703	4309.1E6	2208.8E6	888.905	893.428
2) T	3,5-DICHL...	6.477	6.711	3892.4E6	1185.2E6	910.365	910.687
3) T	4-Nitroph...	7.114	7.301	945.7E6	1196.9E6	934.559	934.927
5) T	DICAMBA	7.502	7.964	12163.5E6	5140.8E6	938.734	951.834
6) T	MCPP	7.684	8.064	823.6E6	158.2E6	106.274	94.951
7) T	MCPA	7.835	8.313	965.9E6	254.5E6	101.577	99.709
8) T	DICHLORPROP	8.212	8.684	2772.3E6	1187.2E6	900.895	903.247
9) T	2,4-D	8.445	9.023	2472.2E6	1298.1E6	956.774	925.645
10) T	Pentachlo...	8.746	9.537	43280.1E6	32447.1E6	904.476	950.066
11) T	2,4,5-TP ...	9.326	9.923	16047.7E6	11999.5E6	961.178	937.566
12) T	2,4,5-T	9.621	10.351	13235.5E6	11142.3E6	1006.546	952.412
13) T	2,4-DB	10.199	10.921	1764.9E6	929.1E6	1036.187	964.182
14) T	DINOSEB	11.406	11.301	10986.1E6	8765.9E6	958.868	935.207
15) T	Picloram	11.225	12.420	11830.2E6	17241.2E6	1033.456	1033.863
16) T	DCPA	11.705	12.344	20376.3E6	17998.5E6	982.676	960.682

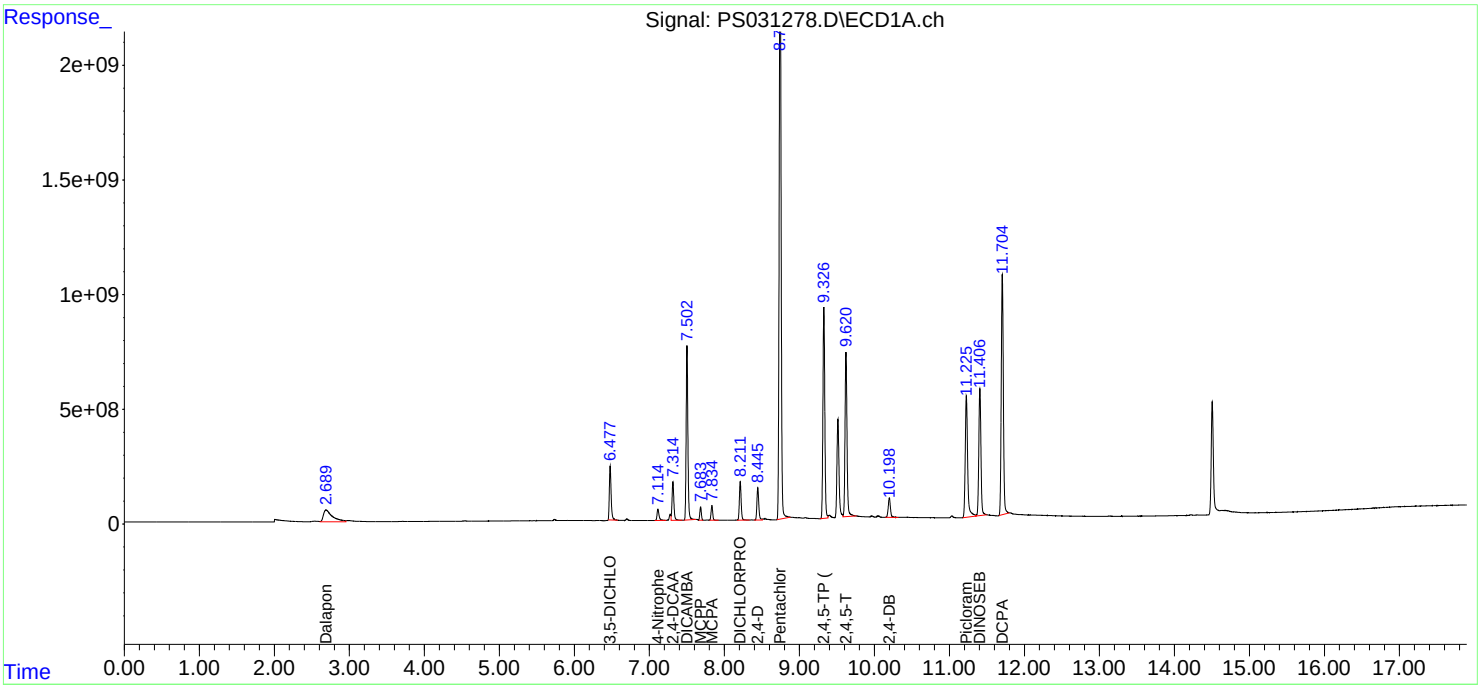
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

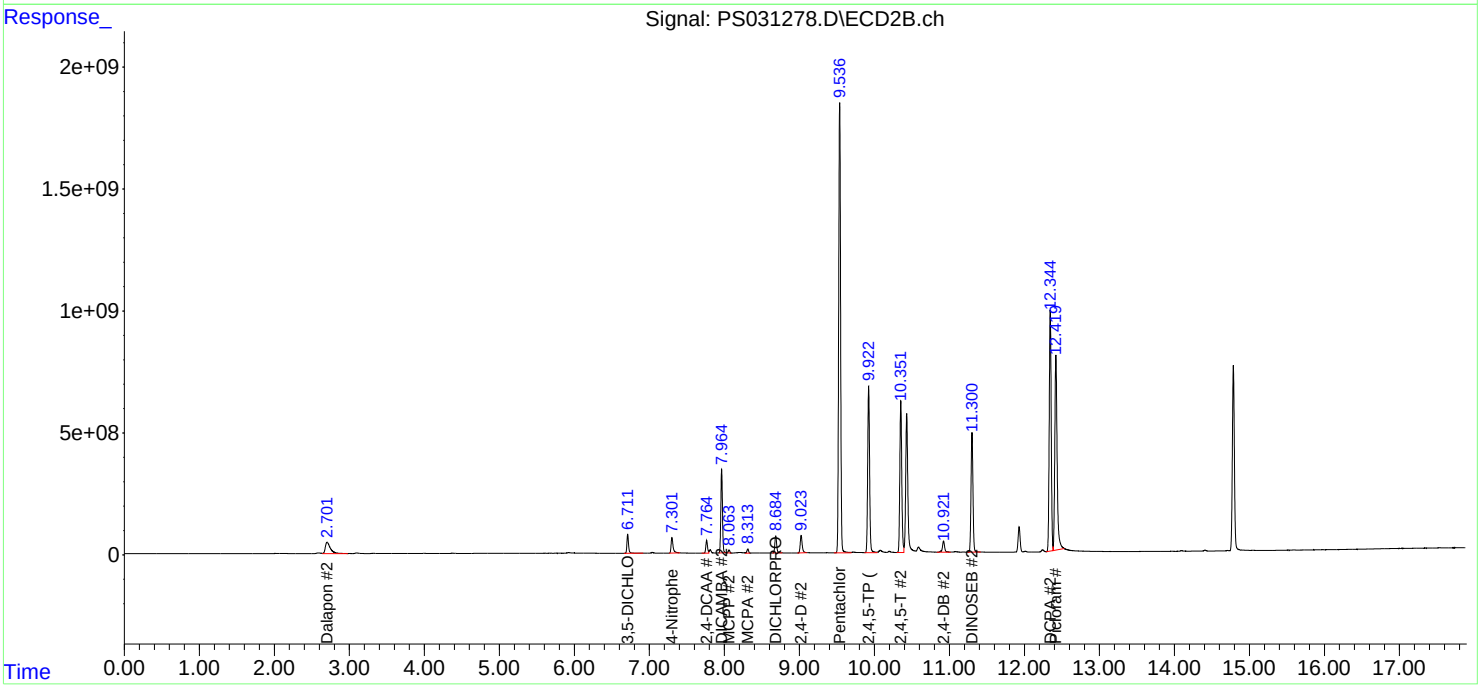
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:42
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

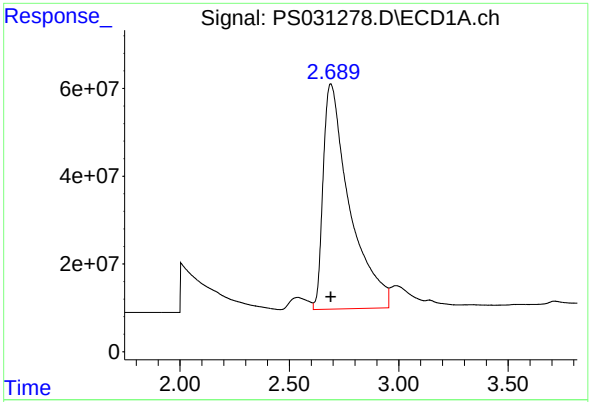
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:33:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:33:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



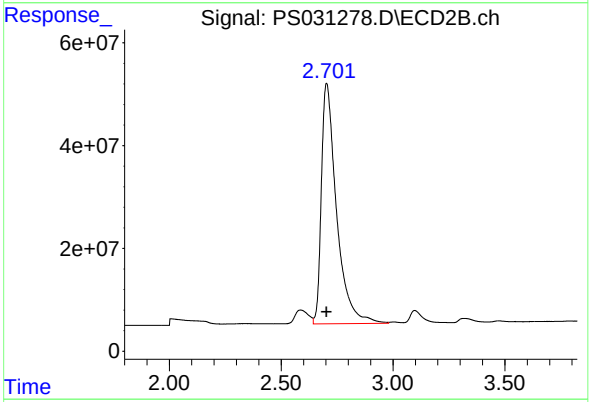




#1 Dalapon

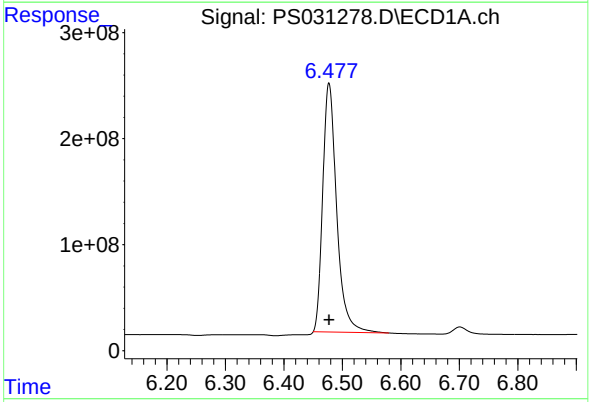
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 4309085015
Conc: 888.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



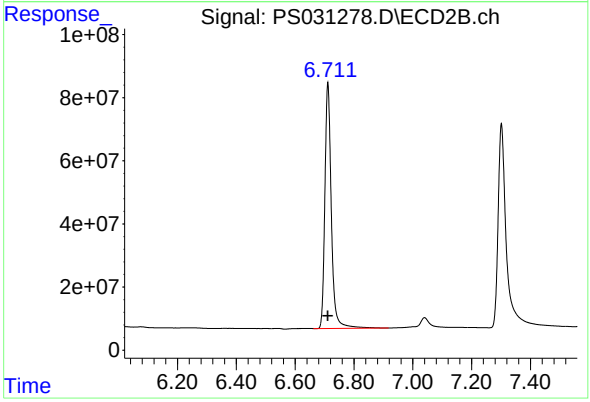
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 2208842238
Conc: 893.43 ng/ml



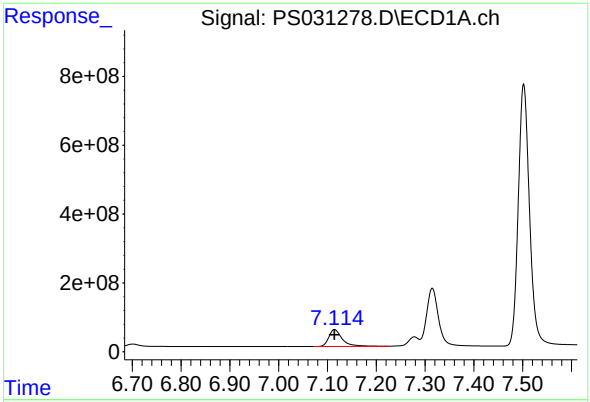
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 3892449718
Conc: 910.37 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

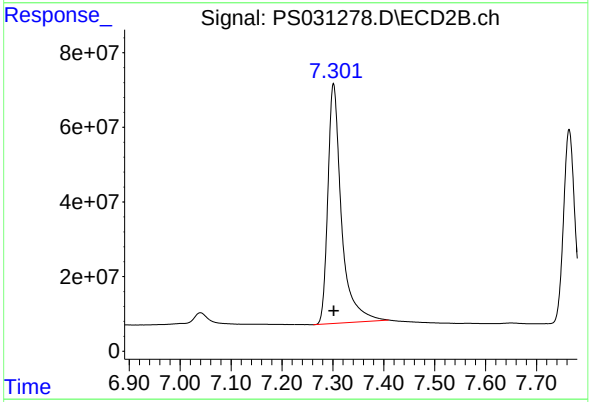
R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 1185167593
Conc: 910.69 ng/ml



#3 4-Nitrophenol

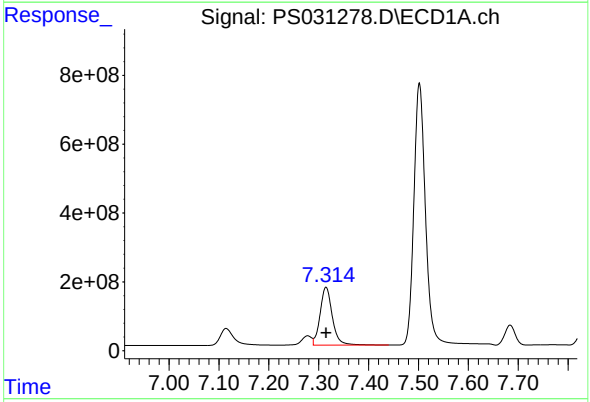
R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 945718140
Conc: 934.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



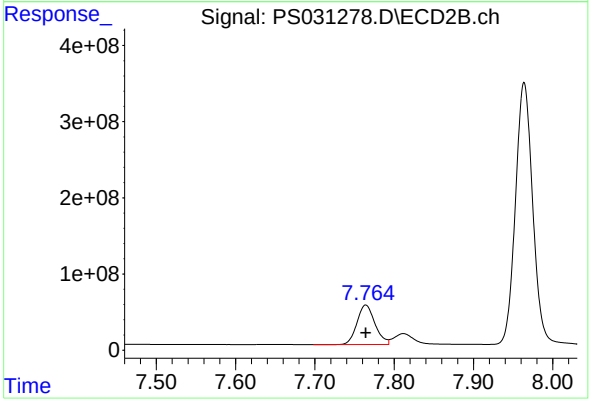
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1196860488
Conc: 934.93 ng/ml



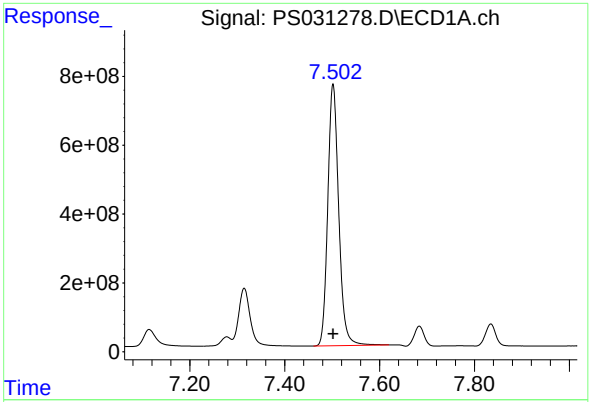
#4 2,4-DCAA

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 2871353950
Conc: 976.79 ng/ml



#4 2,4-DCAA

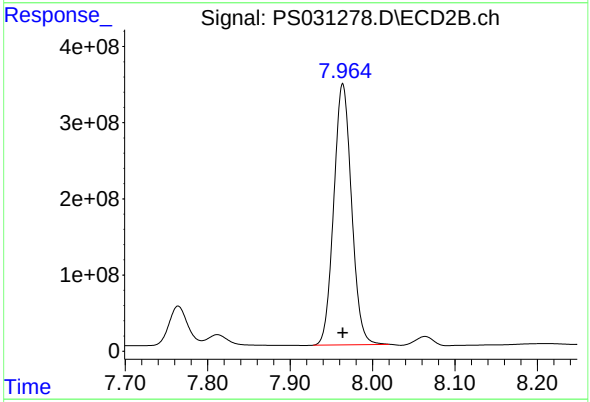
R.T.: 7.764 min
Delta R.T.: 0.000 min
Response: 820678916
Conc: 975.98 ng/ml



#5 DICAMBA

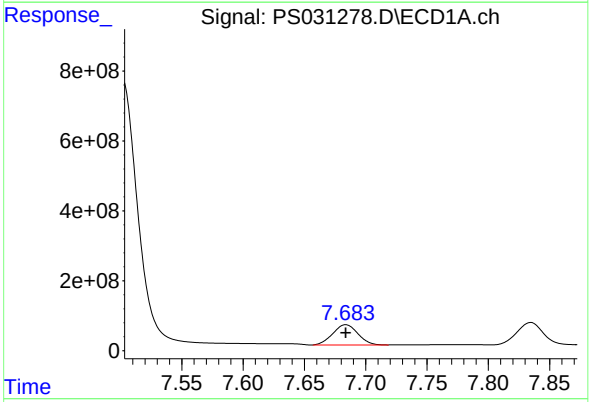
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 12163502764
Conc: 938.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



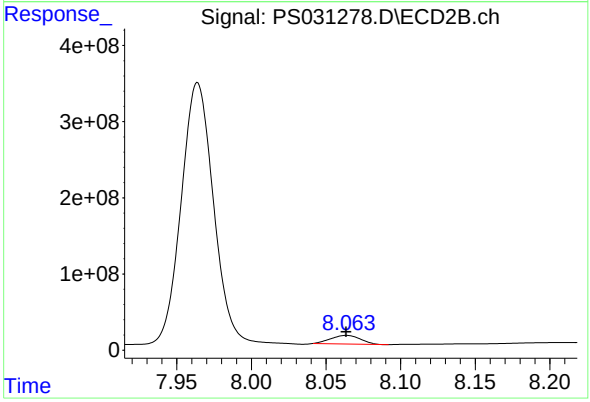
#5 DICAMBA

R.T.: 7.964 min
Delta R.T.: 0.000 min
Response: 5140847446
Conc: 951.83 ng/ml



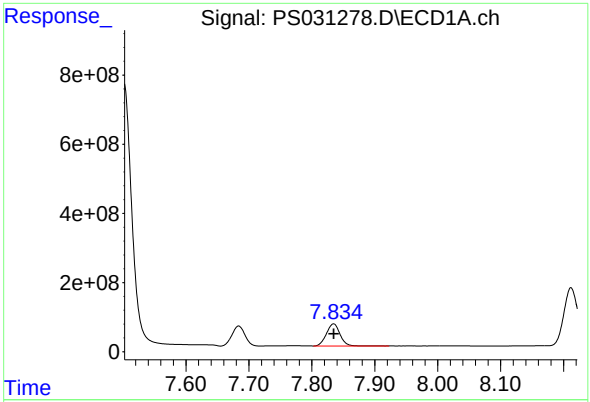
#6 MCPP

R.T.: 7.684 min
Delta R.T.: 0.000 min
Response: 823569130
Conc: 106.27 ug/ml



#6 MCPP

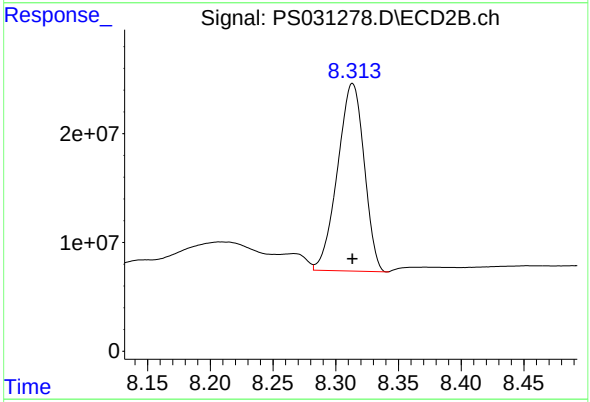
R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 158198792
Conc: 94.95 ug/ml



#7 MCPA

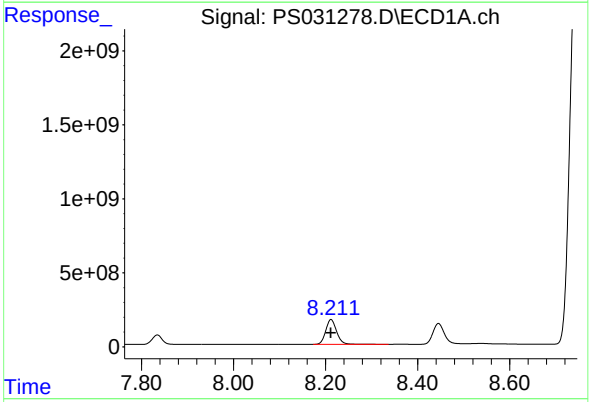
R.T.: 7.835 min
Delta R.T.: 0.000 min
Response: 965932209
Conc: 101.58 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



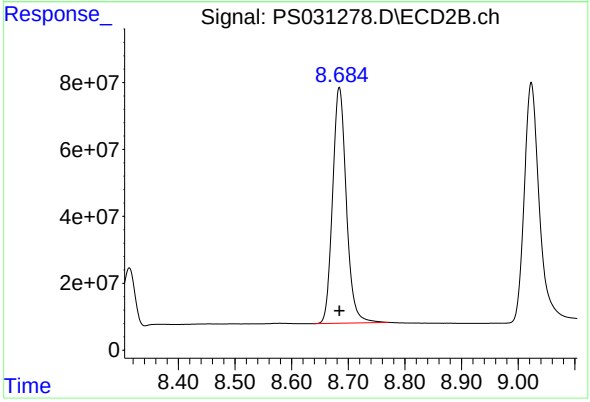
#7 MCPA

R.T.: 8.313 min
Delta R.T.: 0.000 min
Response: 254466868
Conc: 99.71 ug/ml



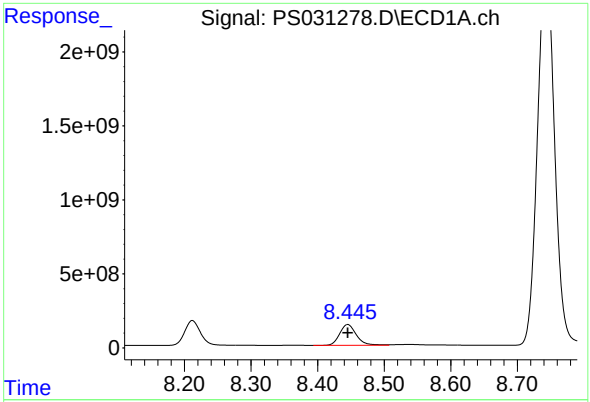
#8 DICHLORPROP

R.T.: 8.212 min
Delta R.T.: 0.000 min
Response: 2772273214
Conc: 900.89 ng/ml



#8 DICHLORPROP

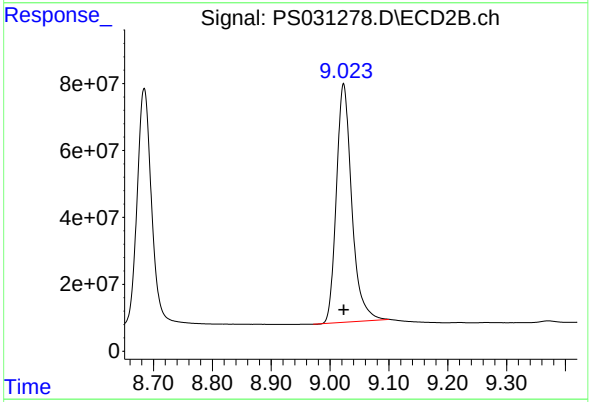
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 1187230817
Conc: 903.25 ng/ml



#9 2,4-D

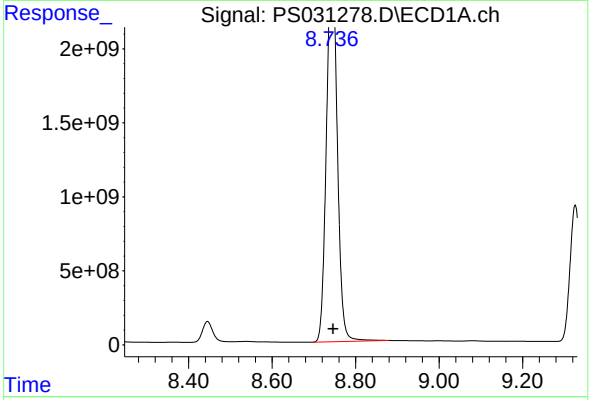
R.T.: 8.445 min
Delta R.T.: 0.000 min
Response: 2472198386
Conc: 956.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



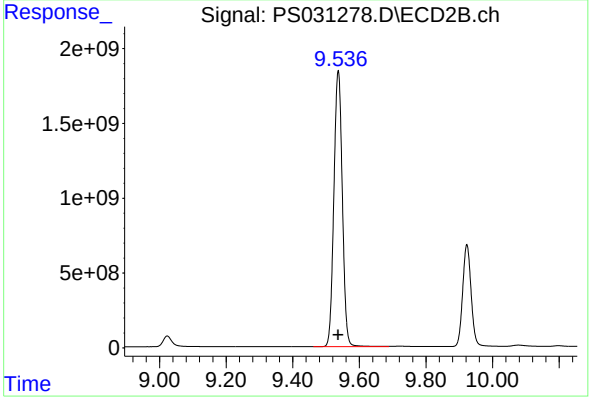
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: 0.000 min
Response: 1298123588
Conc: 925.64 ng/ml



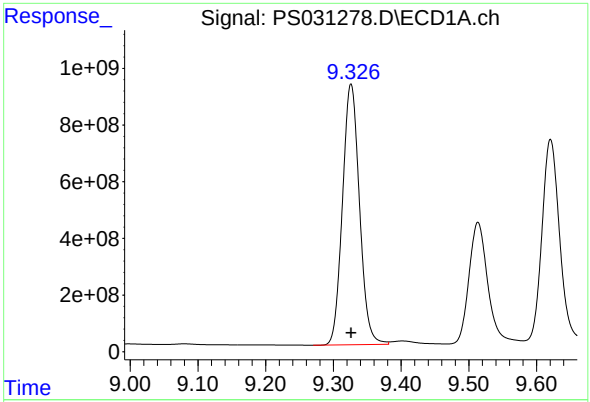
#10 Pentachlorophenol

R.T.: 8.746 min
Delta R.T.: 0.000 min
Response: 43280075699
Conc: 904.48 ng/ml



#10 Pentachlorophenol

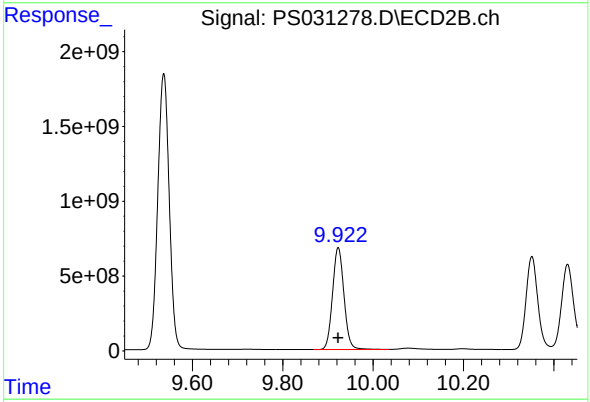
R.T.: 9.537 min
Delta R.T.: 0.000 min
Response: 32447110854
Conc: 950.07 ng/ml



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

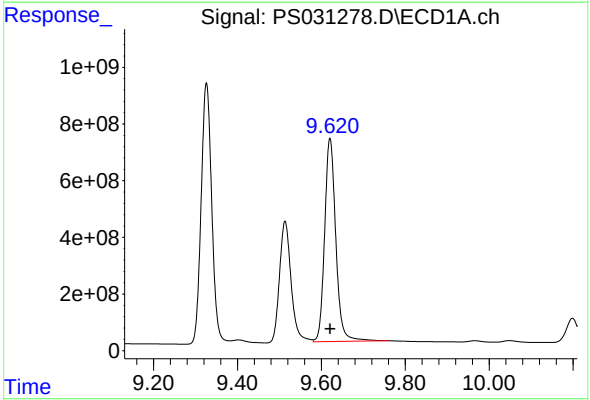
R.T.: 9.326 min
Delta R.T.: 0.000 min
Response: 16047709702
Conc: 961.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



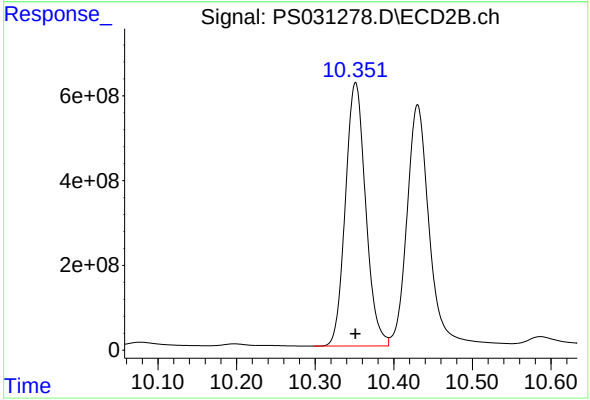
#11 2,4,5-TP (SILVEX)

R.T.: 9.923 min
Delta R.T.: 0.000 min
Response: 11999548995
Conc: 937.57 ng/ml



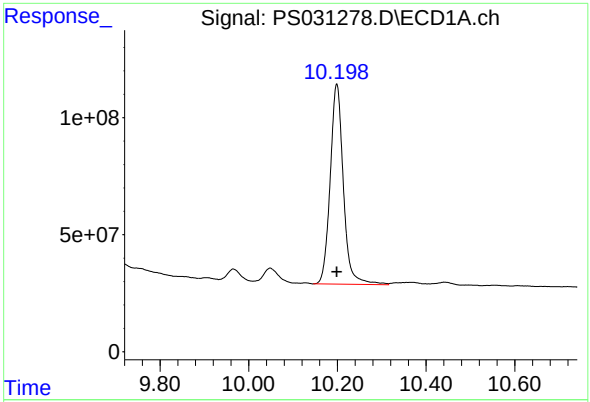
#12 2,4,5-T

R.T.: 9.621 min
Delta R.T.: 0.000 min
Response: 13235545336
Conc: 1006.55 ng/ml



#12 2,4,5-T

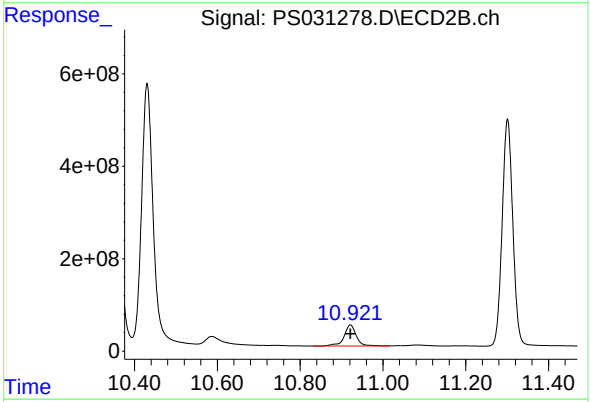
R.T.: 10.351 min
Delta R.T.: 0.000 min
Response: 11142285449
Conc: 952.41 ng/ml



#13 2,4-DB

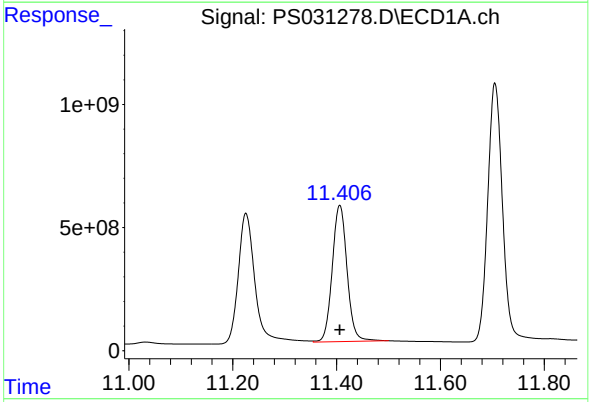
R.T.: 10.199 min
Delta R.T.: 0.000 min
Response: 1764874632
Conc: 1036.19 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



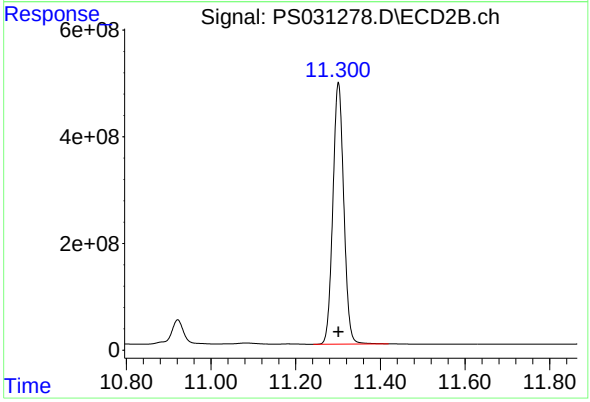
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: 0.000 min
Response: 929079368
Conc: 964.18 ng/ml



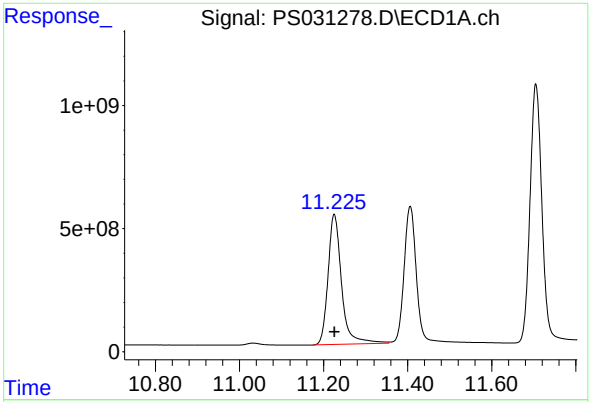
#14 DINOSEB

R.T.: 11.406 min
Delta R.T.: 0.000 min
Response: 10986145370
Conc: 958.87 ng/ml



#14 DINOSEB

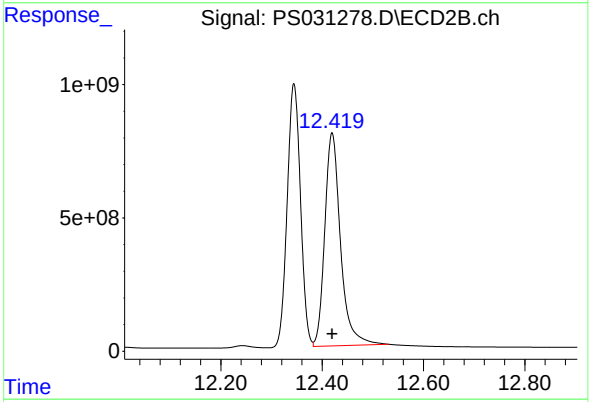
R.T.: 11.301 min
Delta R.T.: 0.000 min
Response: 8765883583
Conc: 935.21 ng/ml



#15 Picloram

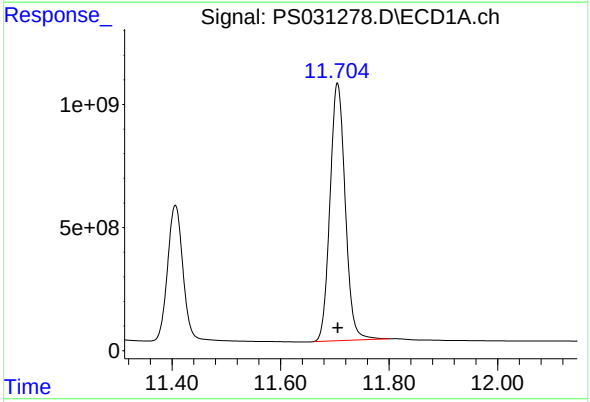
R.T.: 11.225 min
Delta R.T.: 0.000 min
Response: 11830164566
Conc: 1033.46 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



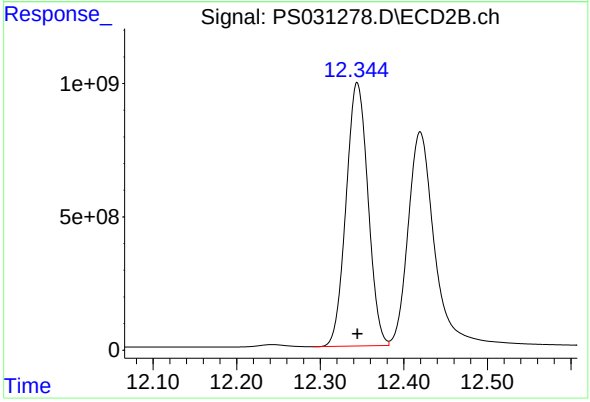
#15 Picloram

R.T.: 12.420 min
Delta R.T.: 0.000 min
Response: 17241160926
Conc: 1033.86 ng/ml



#16 DCPA

R.T.: 11.705 min
Delta R.T.: 0.000 min
Response: 20376254849
Conc: 982.68 ng/ml



#16 DCPA

R.T.: 12.344 min
Delta R.T.: 0.000 min
Response: 17998523325
Conc: 960.68 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:07
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 29 18:36:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:36:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.315	7.764	4213.1E6	1217.9E6	1446.107	1458.374
	Target Compounds						
1) T	Dalapon	2.687	2.703	6459.5E6	3264.6E6	1338.889	1329.127
2) T	3,5-DICHL...	6.477	6.711	5653.5E6	1751.8E6	1325.856	1355.583
3) T	4-Nitroph...	7.114	7.300	1424.0E6	1820.8E6	1398.569	1410.456
5) T	DICAMBA	7.503	7.965	18010.7E6	7755.4E6	1393.955	1430.657
6) T	MCPP	7.687	8.068	1299.4E6	259.6E6	161.563	151.443
7) T	MCPA	7.837	8.318	1512.5E6	385.2E6	154.717	148.503
8) T	DICHLORPROP	8.213	8.685	4076.4E6	1752.2E6	1340.926	1347.768
9) T	2,4-D	8.445	9.023	3709.9E6	1929.0E6	1430.550	1382.238
10) T	Pentachlo...	8.754	9.537	51285.3E6	43992.6E6	1127.676	1313.353
11) T	2,4,5-TP ...	9.326	9.924	23545.0E6	17555.3E6	1413.157	1382.005
12) T	2,4,5-T	9.621	10.352	19815.8E6	16426.4E6	1489.826	1408.216
13) T	2,4-DB	10.198	10.921	2740.7E6	1389.2E6	1568.589	1438.353
14) T	DINOSEB	11.406	11.302	16198.2E6	12981.7E6	1413.015	1389.912
15) T	Picloram	11.225	12.419	18182.2E6	26745.6E6	1552.752	1564.536
16) T	DCPA	11.706	12.345	29863.9E6	26378.3E6	1440.185	1414.251

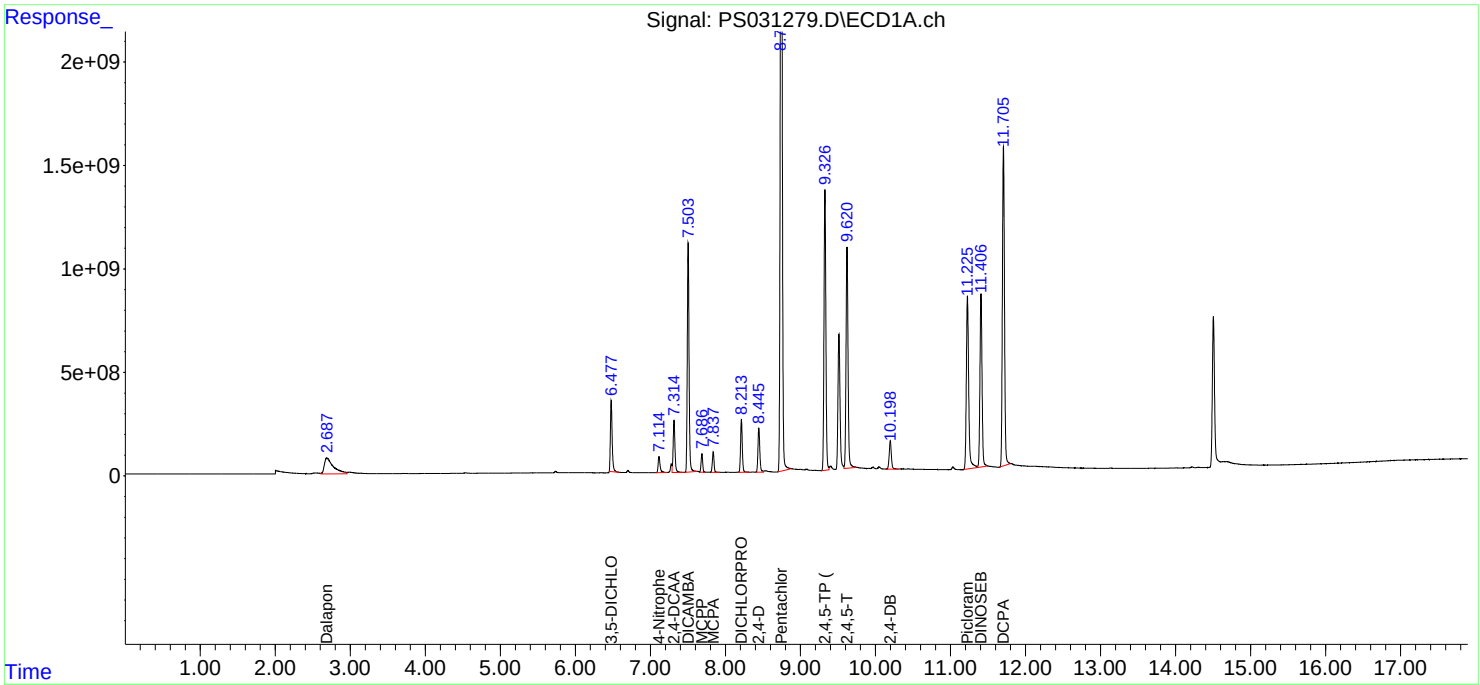
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

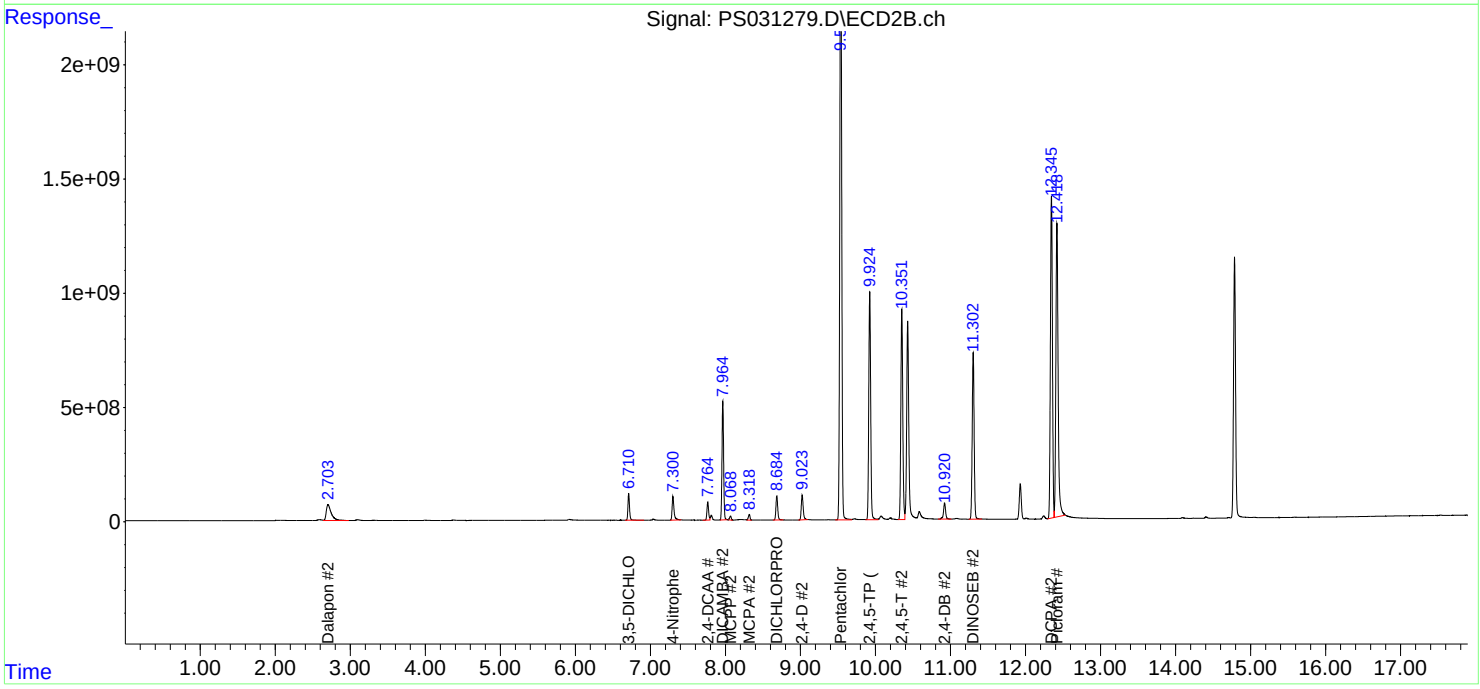
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:07
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

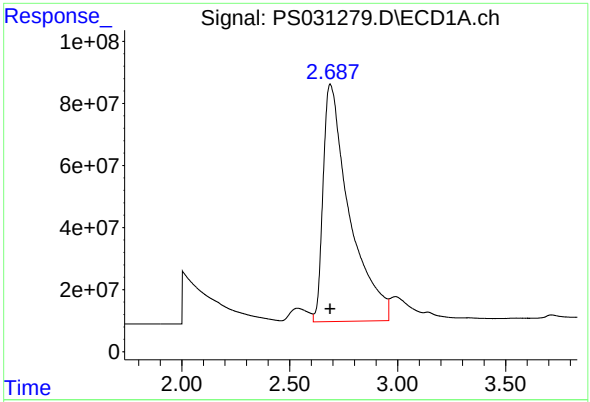
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:36:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:36:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



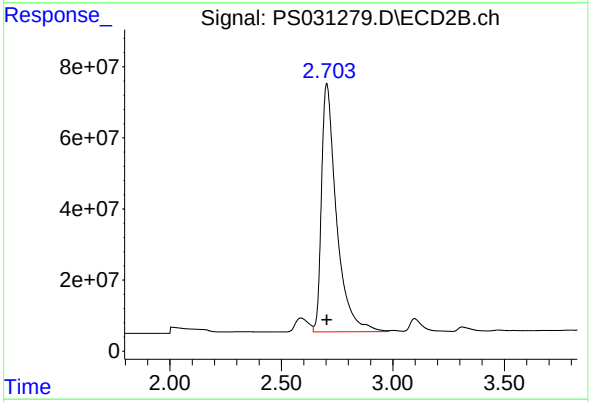




#1 Dalapon

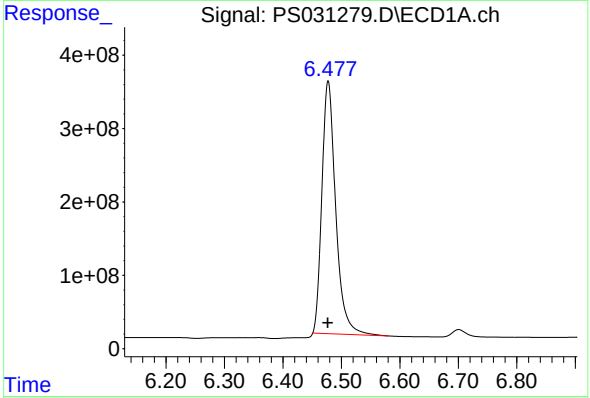
R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 6459549331
Conc: 1338.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



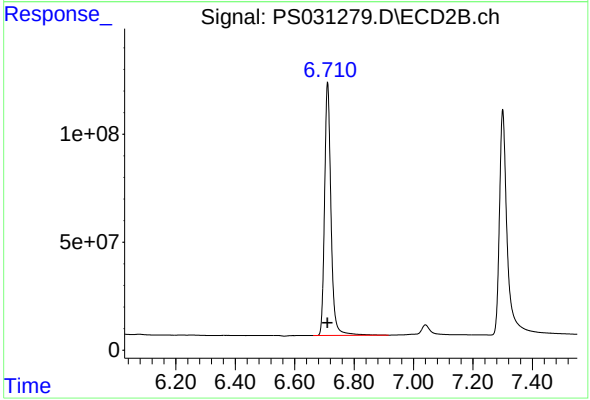
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 3264581324
Conc: 1329.13 ng/ml



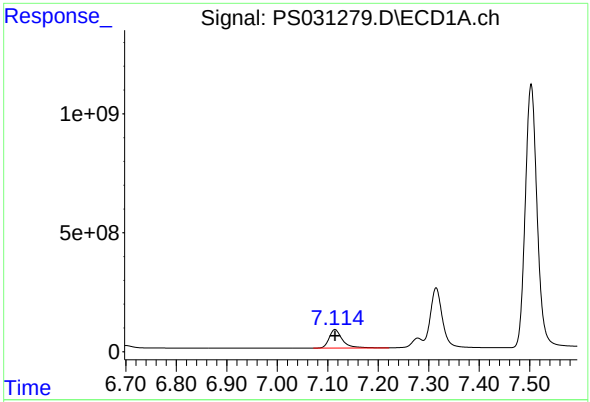
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 5653540545
Conc: 1325.86 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

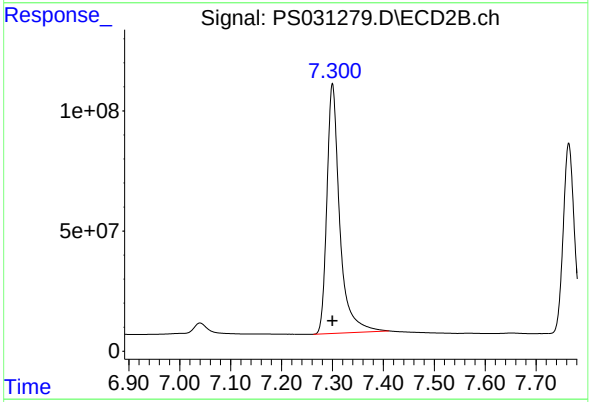
R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 1751780840
Conc: 1355.58 ng/ml



#3 4-Nitrophenol

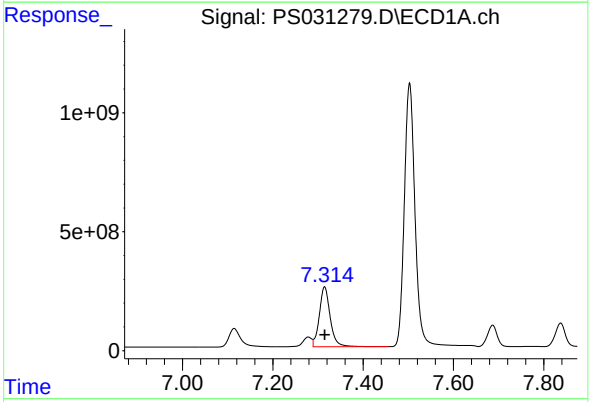
R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 1424024699
Conc: 1398.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



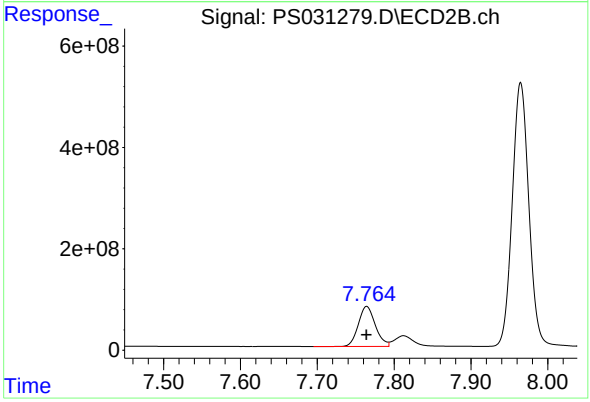
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 1820775211
Conc: 1410.46 ng/ml



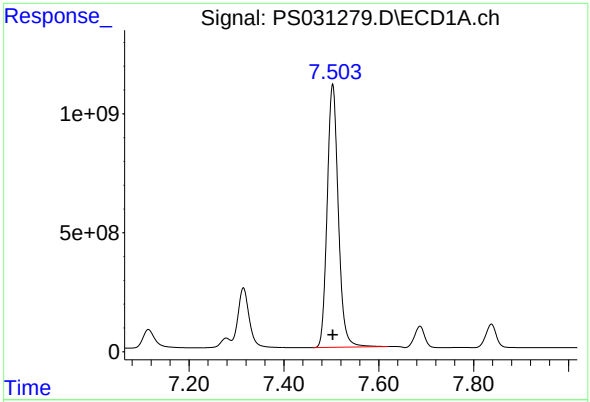
#4 2,4-DCAA

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 4213094245
Conc: 1446.11 ng/ml



#4 2,4-DCAA

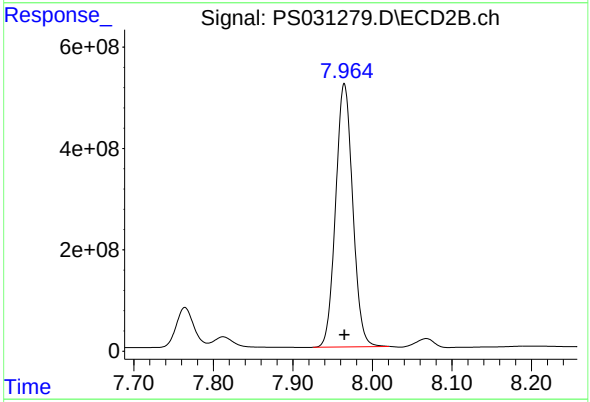
R.T.: 7.764 min
Delta R.T.: 0.000 min
Response: 1217860592
Conc: 1458.37 ng/ml



#5 DICAMBA

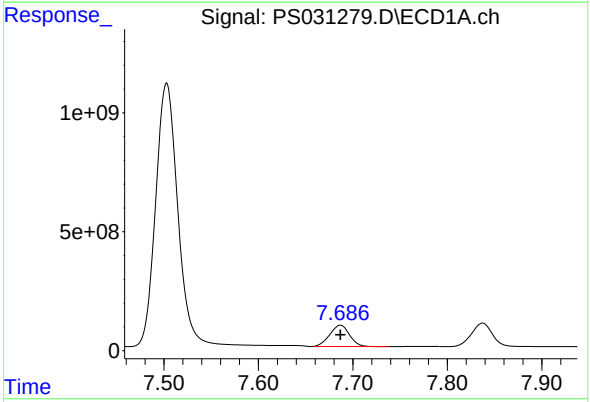
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 18010725486
Conc: 1393.96 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



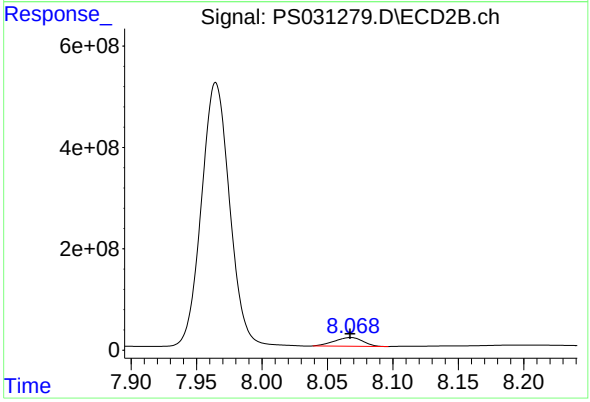
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: 0.000 min
Response: 7755371462
Conc: 1430.66 ng/ml



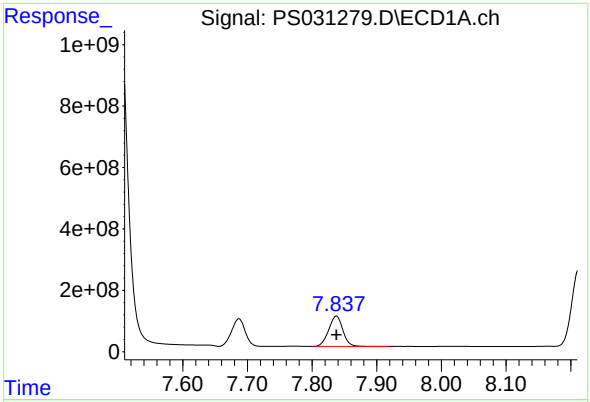
#6 MCPP

R.T.: 7.687 min
Delta R.T.: 0.000 min
Response: 1299408588
Conc: 161.56 ug/ml



#6 MCPP

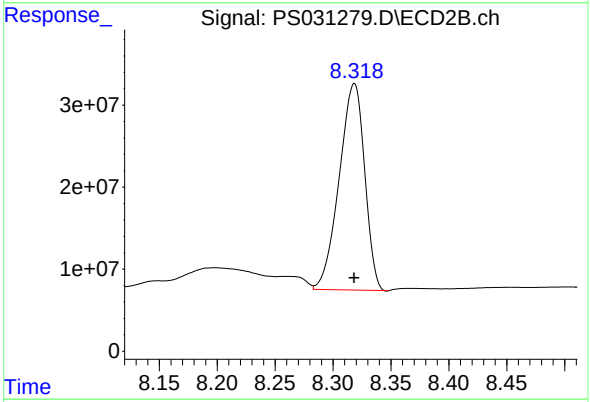
R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 259632696
Conc: 151.44 ug/ml



#7 MCPA

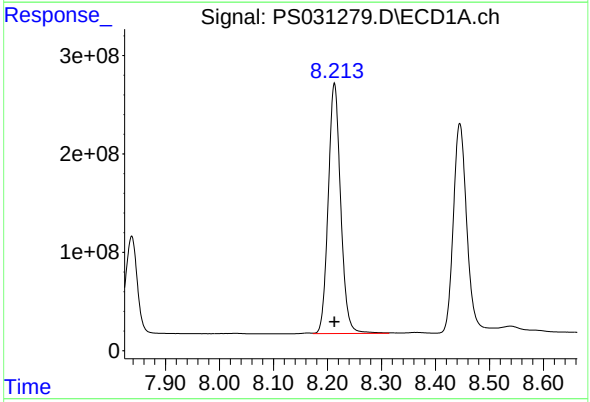
R.T.: 7.837 min
Delta R.T.: 0.000 min
Response: 1512505035
Conc: 154.72 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



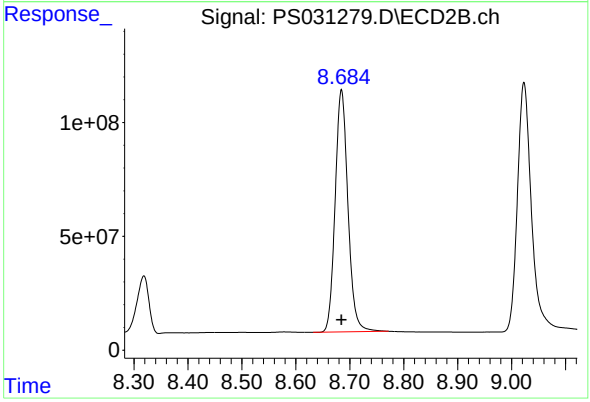
#7 MCPA

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 385209174
Conc: 148.50 ug/ml



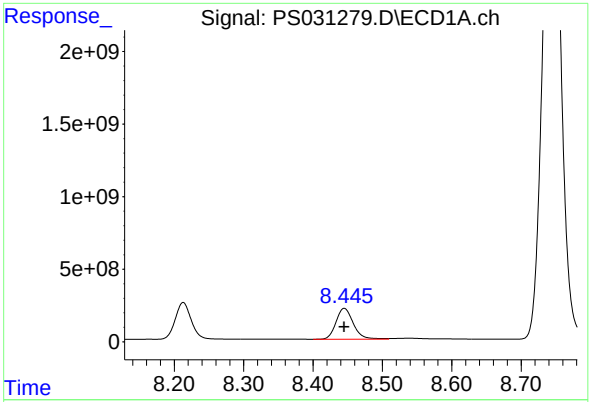
#8 DICHLORPROP

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 4076432467
Conc: 1340.93 ng/ml



#8 DICHLORPROP

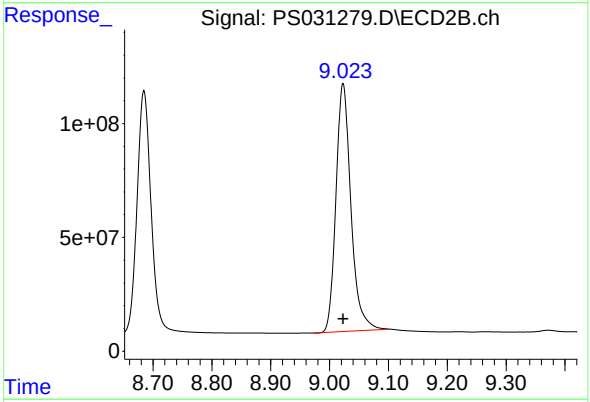
R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 1752175780
Conc: 1347.77 ng/ml



#9 2,4-D

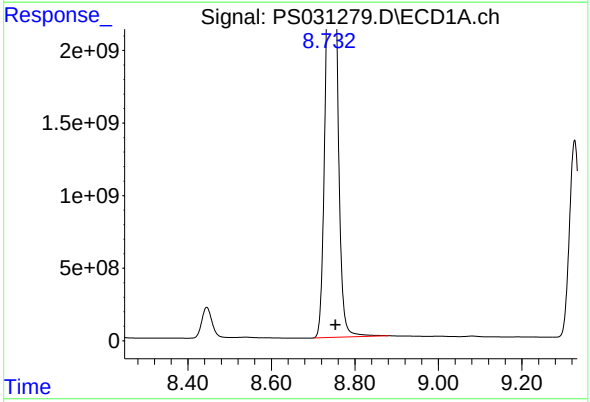
R.T.: 8.445 min
Delta R.T.: 0.000 min
Response: 3709900696
Conc: 1430.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



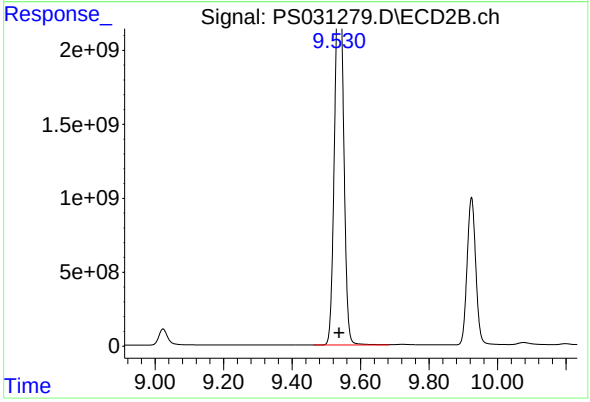
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: 0.000 min
Response: 1928954560
Conc: 1382.24 ng/ml



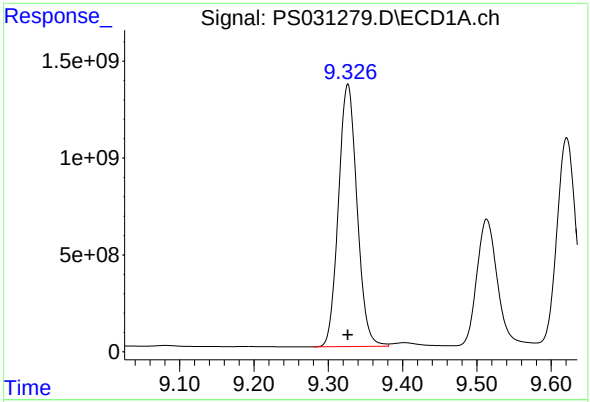
#10 Pentachlorophenol

R.T.: 8.754 min
Delta R.T.: 0.000 min
Response: 51285311175
Conc: 1127.68 ng/ml



#10 Pentachlorophenol

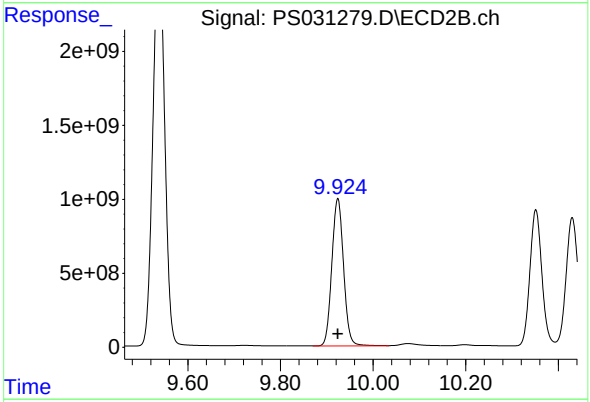
R.T.: 9.537 min
Delta R.T.: 0.000 min
Response: 43992577918
Conc: 1313.35 ng/ml



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

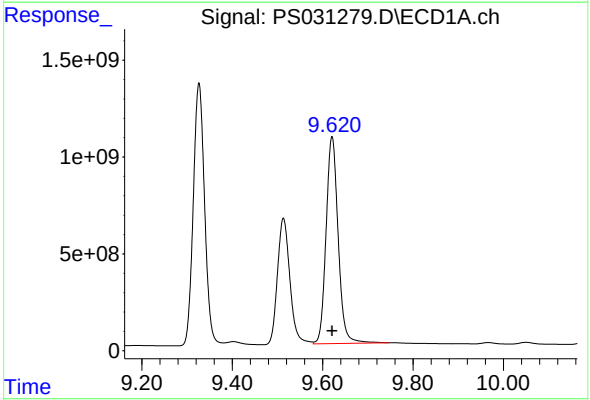
R.T.: 9.326 min
Delta R.T.: 0.000 min
Response: 23544968472
Conc: 1413.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



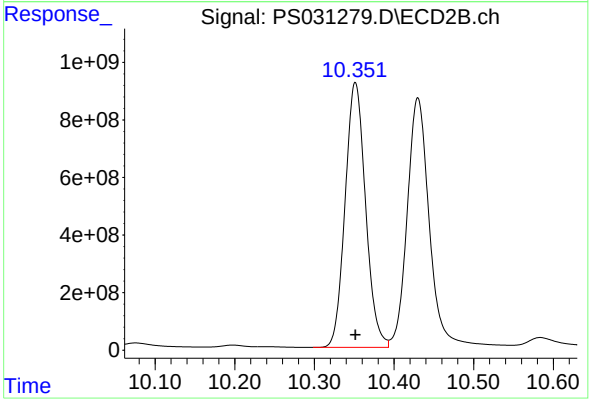
#11 2,4,5-TP (SILVEX)

R.T.: 9.924 min
Delta R.T.: 0.000 min
Response: 17555327889
Conc: 1382.00 ng/ml



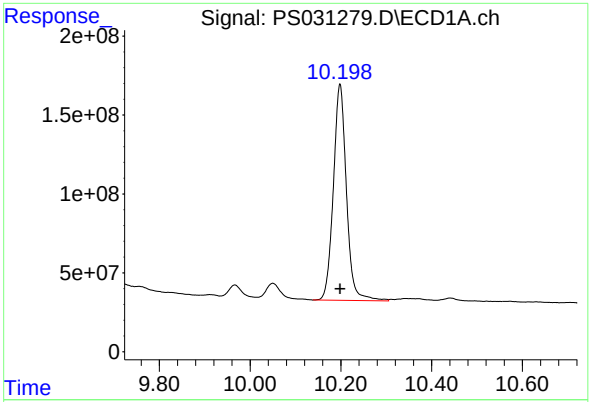
#12 2,4,5-T

R.T.: 9.621 min
Delta R.T.: 0.000 min
Response: 19815782463
Conc: 1489.83 ng/ml



#12 2,4,5-T

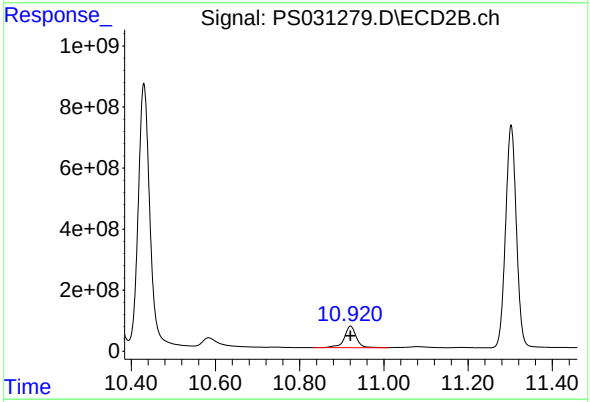
R.T.: 10.352 min
Delta R.T.: 0.000 min
Response: 16426375266
Conc: 1408.22 ng/ml



#13 2,4-DB

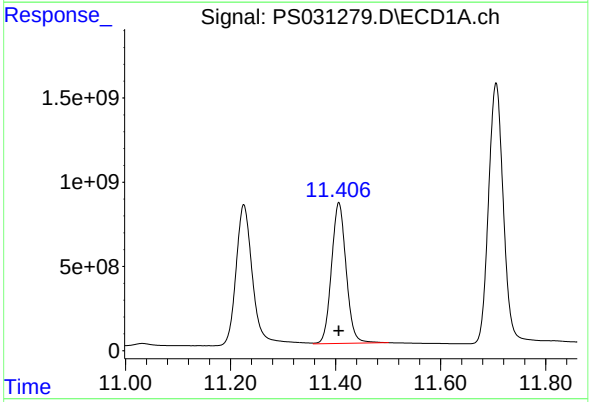
R.T.: 10.198 min
Delta R.T.: 0.000 min
Response: 2740722963
Conc: 1568.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



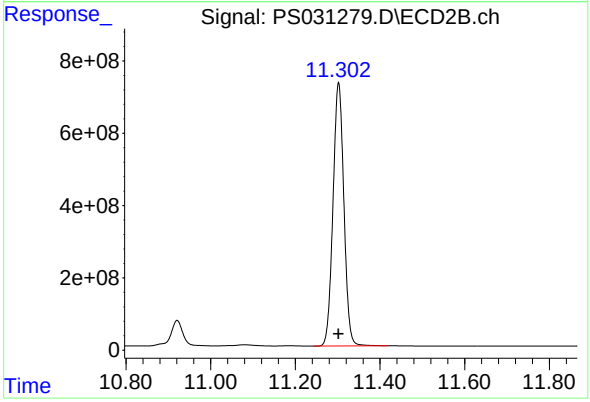
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: 0.000 min
Response: 1389241085
Conc: 1438.35 ng/ml



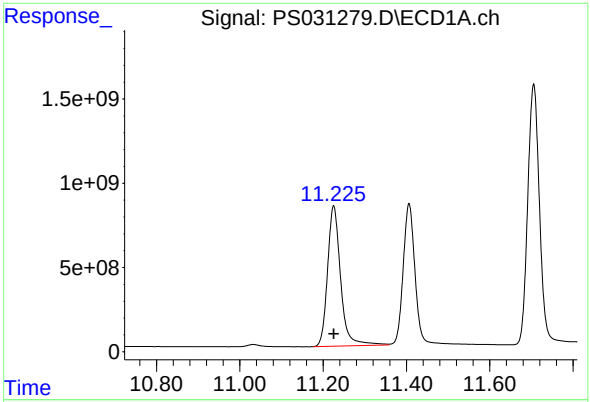
#14 DINOSEB

R.T.: 11.406 min
Delta R.T.: 0.000 min
Response: 16198161218
Conc: 1413.02 ng/ml



#14 DINOSEB

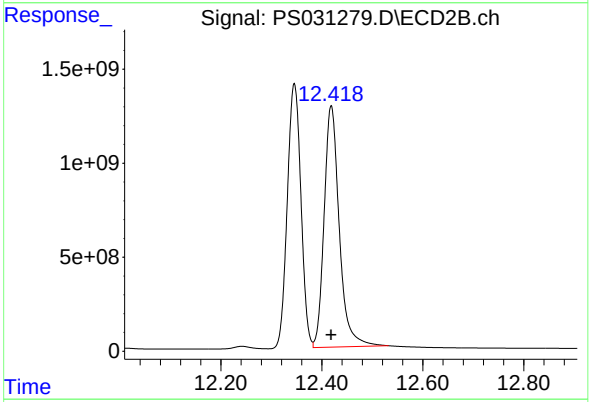
R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 12981690633
Conc: 1389.91 ng/ml



#15 Picloram

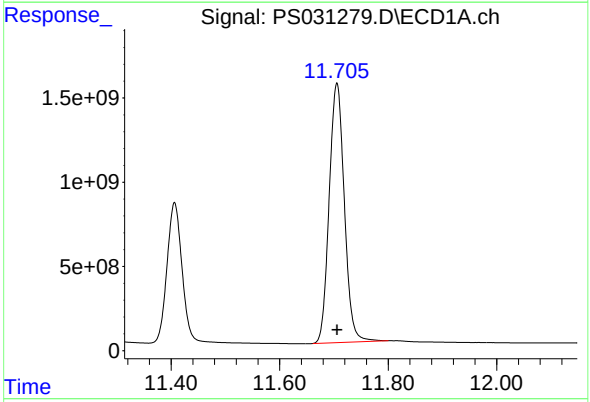
R.T.: 11.225 min
Delta R.T.: 0.000 min
Response: 18182152372
Conc: 1552.75 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



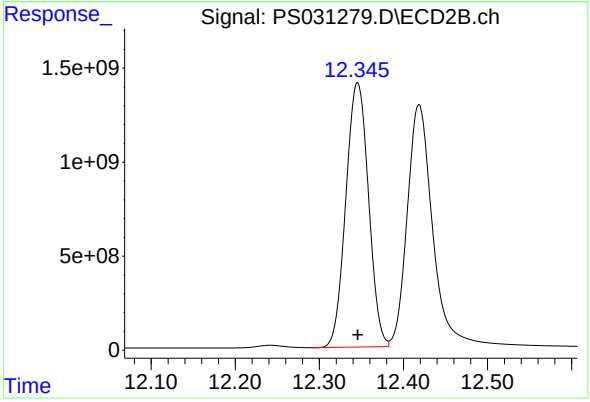
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 26745623510
Conc: 1564.54 ng/ml



#16 DCPA

R.T.: 11.706 min
Delta R.T.: 0.000 min
Response: 29863868036
Conc: 1440.19 ng/ml



#16 DCPA

R.T.: 12.345 min
Delta R.T.: 0.000 min
Response: 26378277323
Conc: 1414.25 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031353.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 10:10
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.302	7.754	2304.2E6	578.1E6	790.882	692.254	
	Target Compounds							
1) T	Dalapon	2.681	2.698	3217.4E6	1546.8E6	666.870	629.750	
2) T	3,5-DICHL...	6.467	6.703	1529.0E6	850.1E6	358.672	657.857	#
3) T	4-Nitroph...	7.103	7.294	818.4E6	819.8E6	803.750	635.021	
5) T	DICAMBA	7.490	7.954	9078.9E6	3363.6E6	702.668	620.492	
6) T	MCPP	7.669	0.000	287.3E6	0	35.724	N.D.	#
7) T	MCPA	7.819	8.301	731.5E6	181.2E6	74.823	69.836	
8) T	DICHLORPROP	8.198	8.672	2167.2E6	838.0E6	712.888	644.593	
9) T	2,4-D	8.431	9.011	2044.1E6	916.4E6	788.225	656.662	
10) T	Pentachlo...	8.731	9.526	34482.0E6	23466.3E6	758.199	700.562	
11) T	2,4,5-TP ...	9.310	9.911	12953.3E6	8532.7E6	777.451	671.720	
12) T	2,4,5-T	9.604	10.339	11246.6E6	7805.0E6	845.565	669.112	
13) T	2,4-DB	10.181	10.907	1505.9E6	620.2E6	861.871	642.161	#
14) T	DINOSEB	11.386	11.287	8725.0E6	5947.3E6	761.111	636.765	
15) T	Picloram	11.207	12.404	8044.8E6	11305.6E6	687.020	661.342	
16) T	DCPA	11.685	12.330	12920.1E6	13004.2E6	623.071	697.212	

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

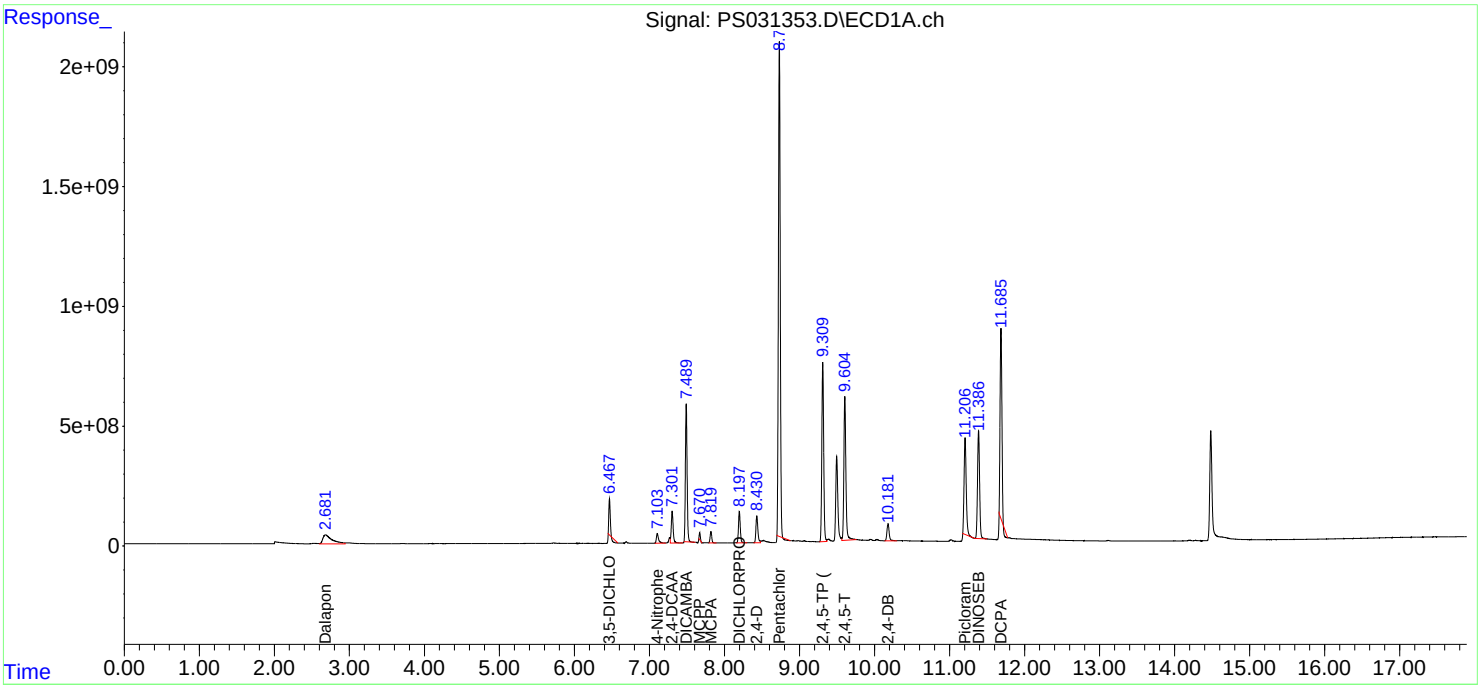
Quantitation Report (Not Reviewed)

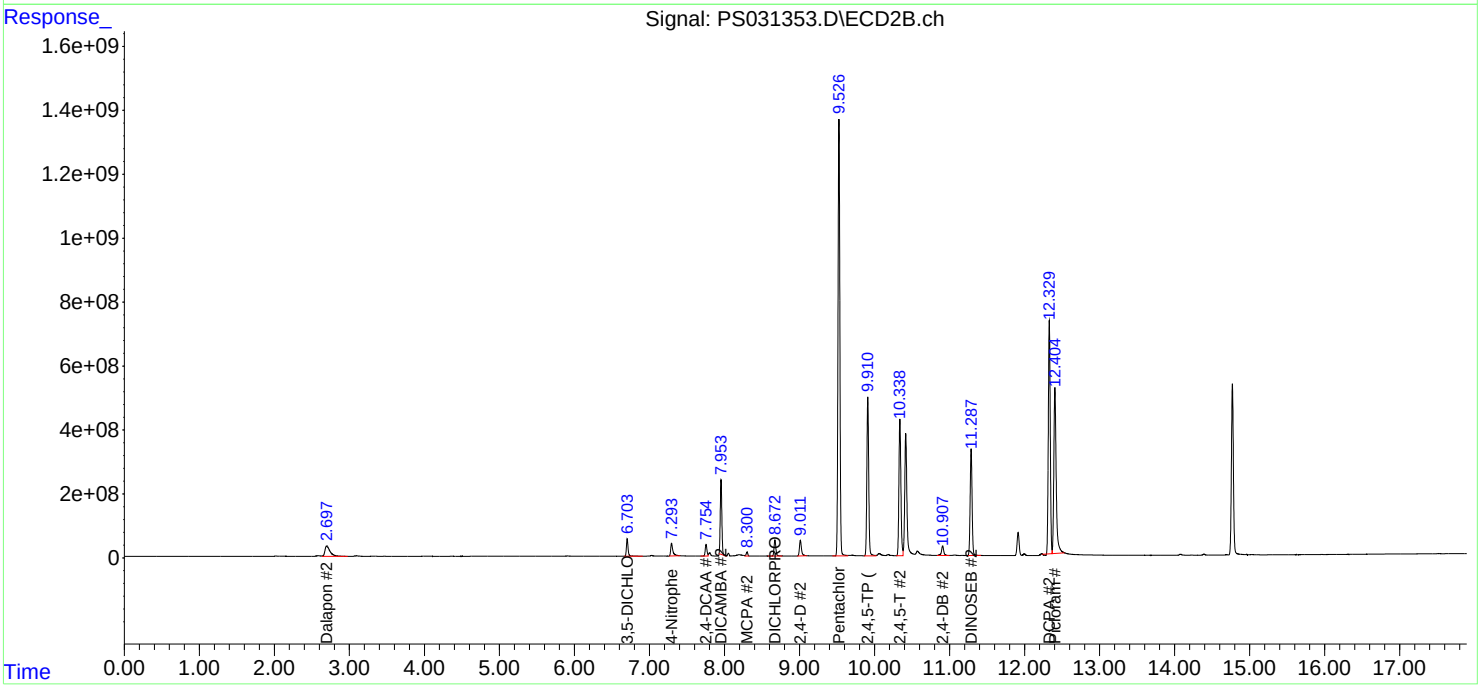
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031353.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 10:10
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

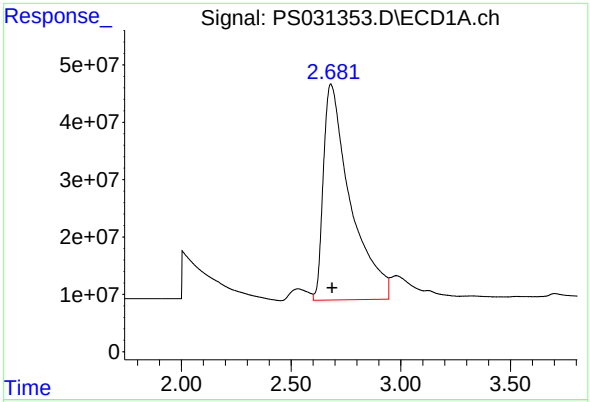
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



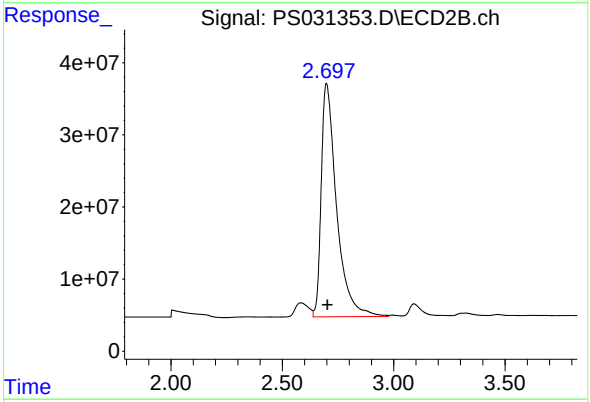




#1 Dalapon

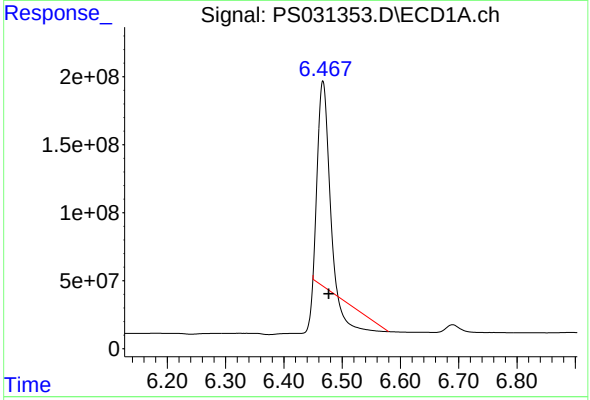
R.T.: 2.681 min
Delta R.T.: -0.006 min
Response: 3217355351
Conc: 666.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



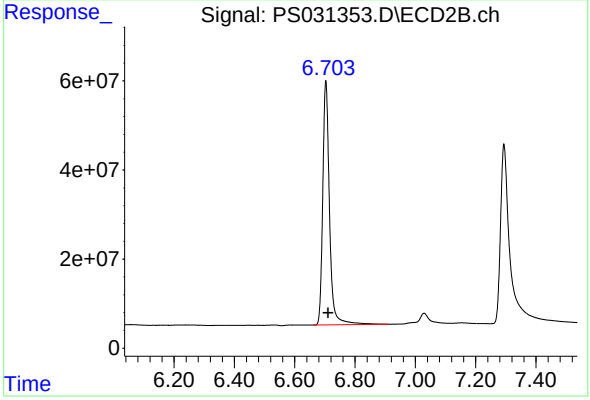
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: -0.005 min
Response: 1546782140
Conc: 629.75 ng/ml



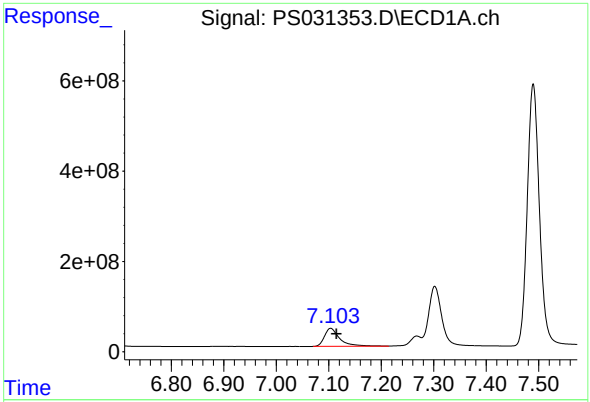
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.467 min
Delta R.T.: -0.010 min
Response: 1528994012
Conc: 358.67 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

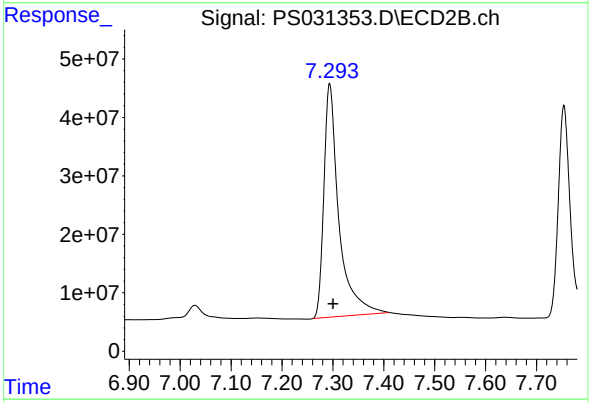
R.T.: 6.703 min
Delta R.T.: -0.008 min
Response: 850129728
Conc: 657.86 ng/ml



#3 4-Nitrophenol

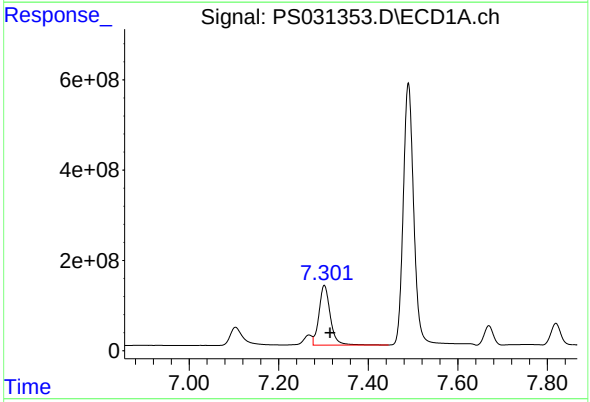
R.T.: 7.103 min
Delta R.T.: -0.011 min
Response: 818378797
Conc: 803.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



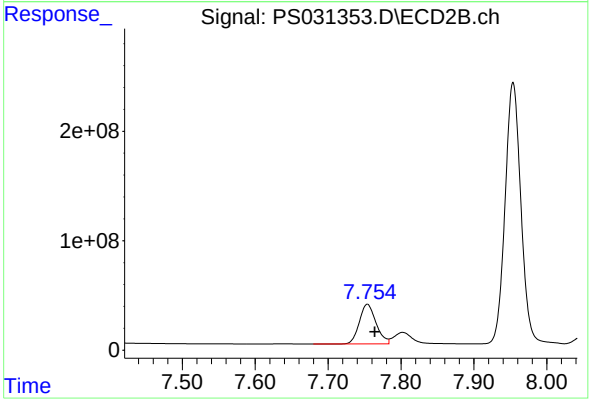
#3 4-Nitrophenol

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 819756636
Conc: 635.02 ng/ml



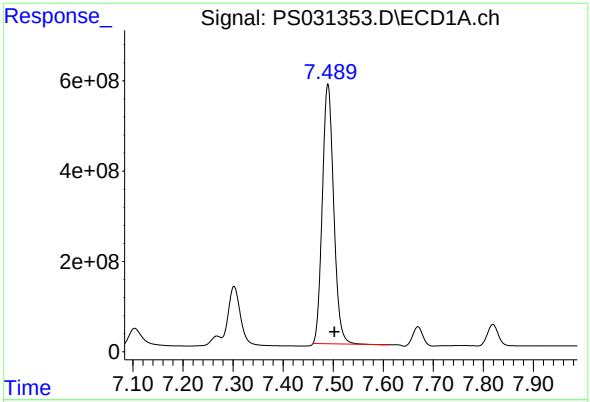
#4 2,4-DCAA

R.T.: 7.302 min
Delta R.T.: -0.013 min
Response: 2304160196
Conc: 790.88 ng/ml



#4 2,4-DCAA

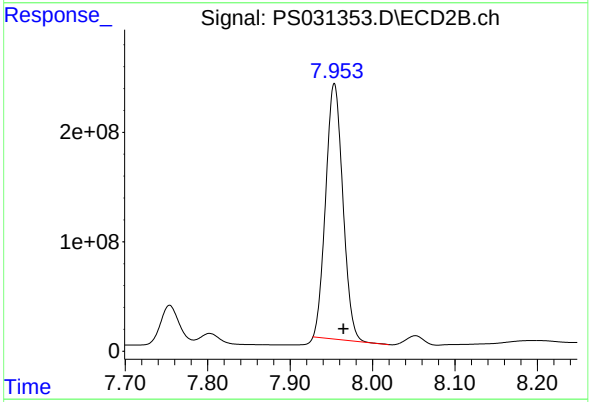
R.T.: 7.754 min
Delta R.T.: -0.010 min
Response: 578088608
Conc: 692.25 ng/ml



#5 DICAMBA

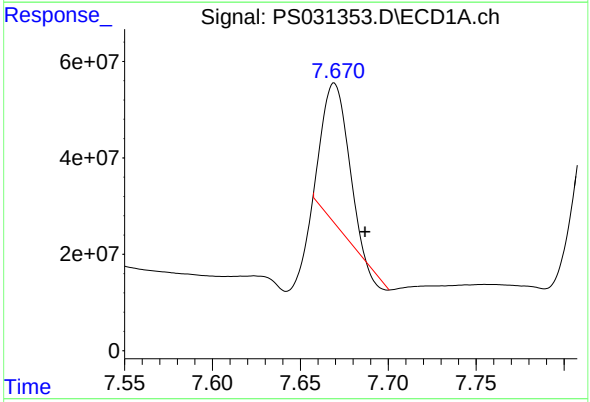
R.T.: 7.490 min
Delta R.T.: -0.013 min
Response: 9078886452
Conc: 702.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



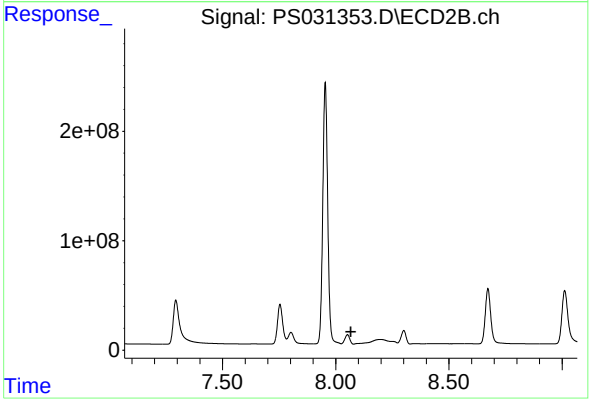
#5 DICAMBA

R.T.: 7.954 min
Delta R.T.: -0.011 min
Response: 3363593764
Conc: 620.49 ng/ml



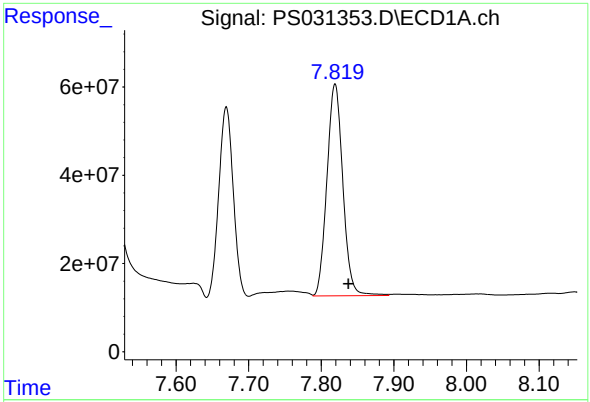
#6 MCPP

R.T.: 7.669 min
Delta R.T.: -0.018 min
Response: 287314820
Conc: 35.72 ug/ml



#6 MCPP

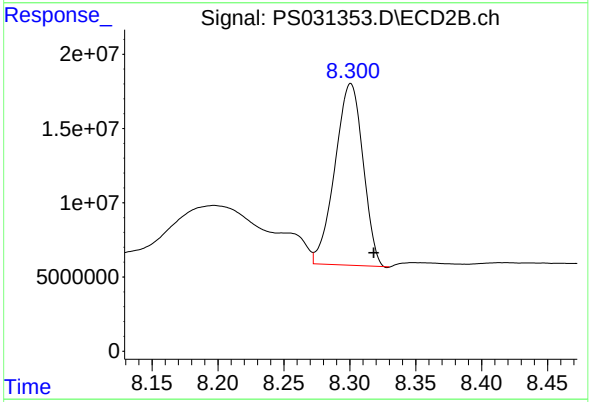
R.T.: 0.000 min
Exp R.T. : 8.067 min
Response: 0
Conc: N.D.



#7 MCPA

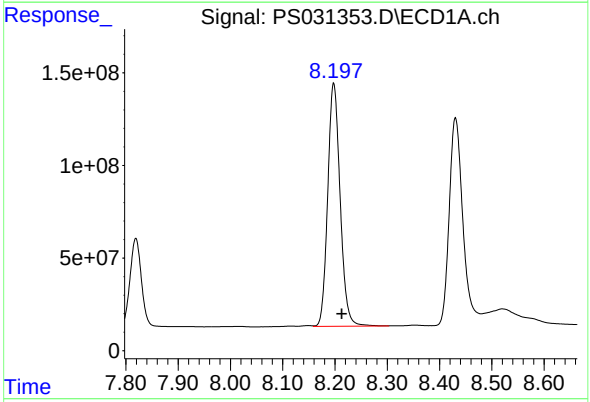
R.T.: 7.819 min
Delta R.T.: -0.018 min
Response: 731463975
Conc: 74.82 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



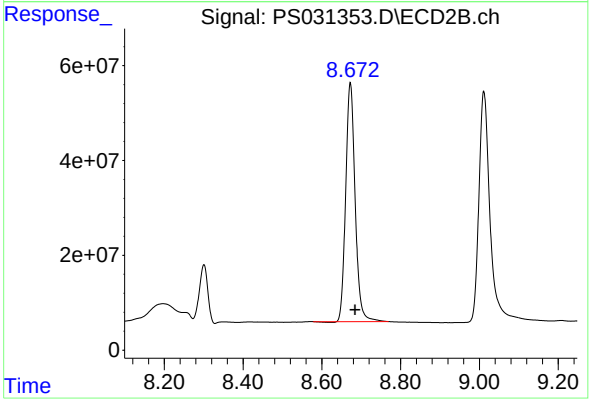
#7 MCPA

R.T.: 8.301 min
Delta R.T.: -0.018 min
Response: 181152560
Conc: 69.84 ug/ml



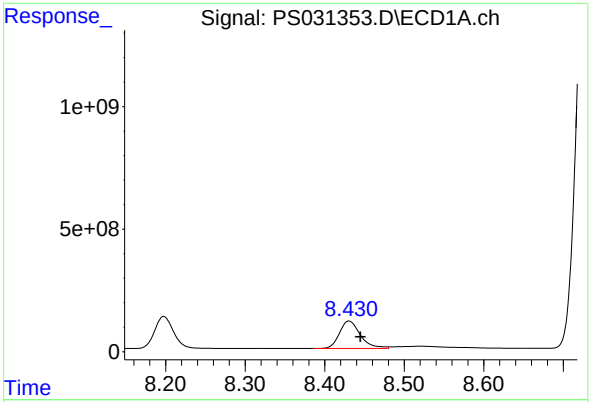
#8 DICHLORPROP

R.T.: 8.198 min
Delta R.T.: -0.015 min
Response: 2167188673
Conc: 712.89 ng/ml



#8 DICHLORPROP

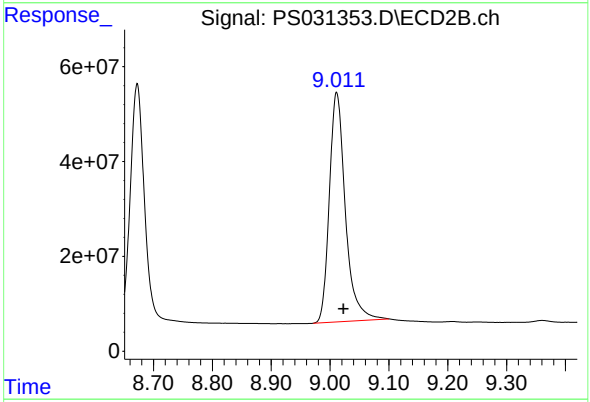
R.T.: 8.672 min
Delta R.T.: -0.012 min
Response: 838008739
Conc: 644.59 ng/ml



#9 2,4-D

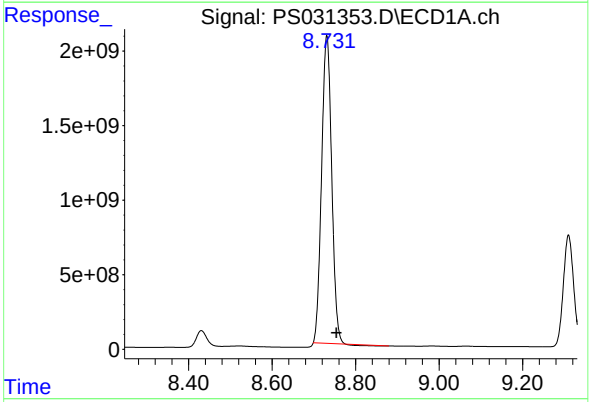
R.T.: 8.431 min
Delta R.T.: -0.014 min
Response: 2044135998
Conc: 788.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



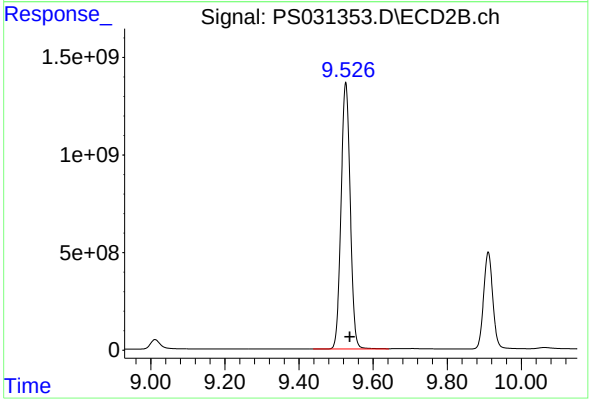
#9 2,4-D

R.T.: 9.011 min
Delta R.T.: -0.012 min
Response: 916391755
Conc: 656.66 ng/ml



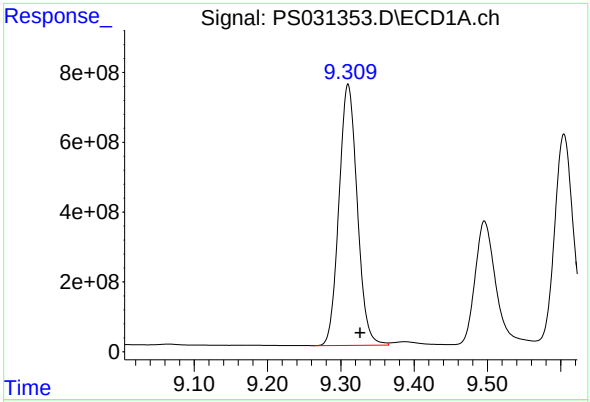
#10 Pentachlorophenol

R.T.: 8.731 min
Delta R.T.: -0.023 min
Response: 34481961624
Conc: 758.20 ng/ml



#10 Pentachlorophenol

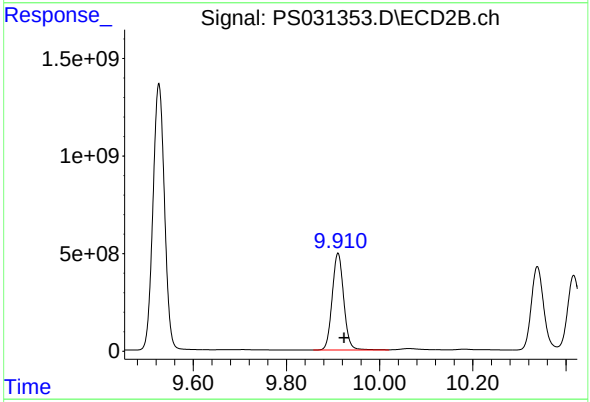
R.T.: 9.526 min
Delta R.T.: -0.011 min
Response: 23466296490
Conc: 700.56 ng/ml



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

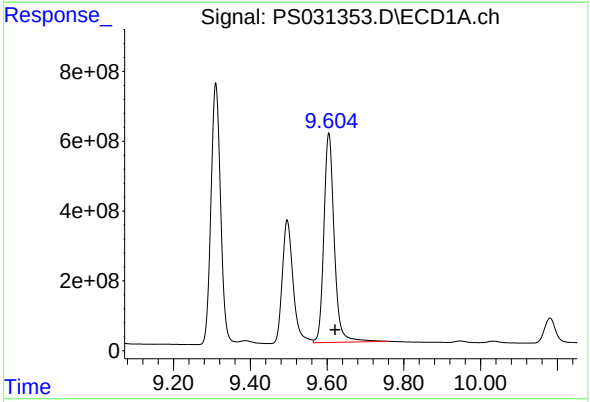
R.T.: 9.310 min
Delta R.T.: -0.016 min
Response: 12953318276
Conc: 777.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



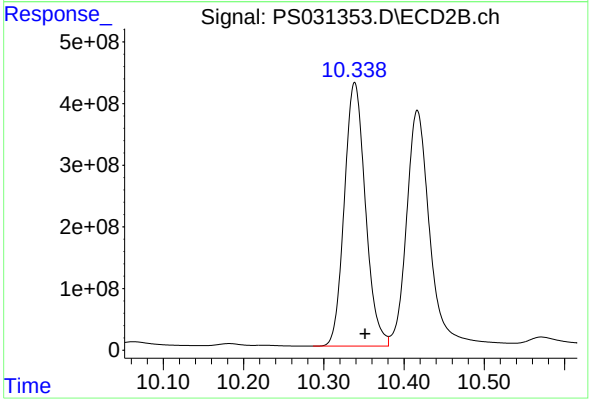
#11 2,4,5-TP (SILVEX)

R.T.: 9.911 min
Delta R.T.: -0.013 min
Response: 8532729309
Conc: 671.72 ng/ml



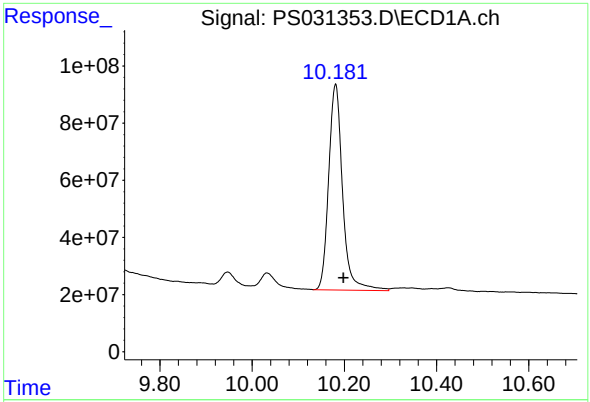
#12 2,4,5-T

R.T.: 9.604 min
Delta R.T.: -0.016 min
Response: 11246629278
Conc: 845.56 ng/ml



#12 2,4,5-T

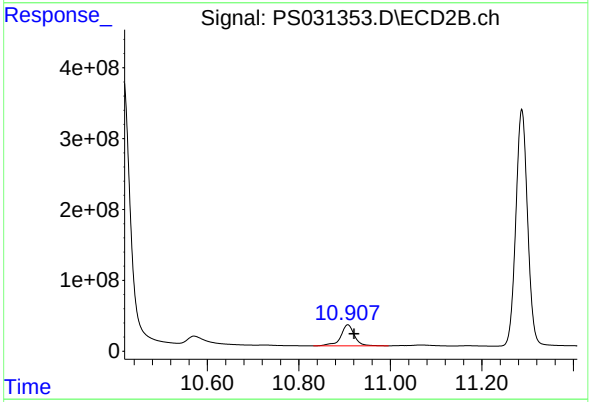
R.T.: 10.339 min
Delta R.T.: -0.013 min
Response: 7804963088
Conc: 669.11 ng/ml



#13 2,4-DB

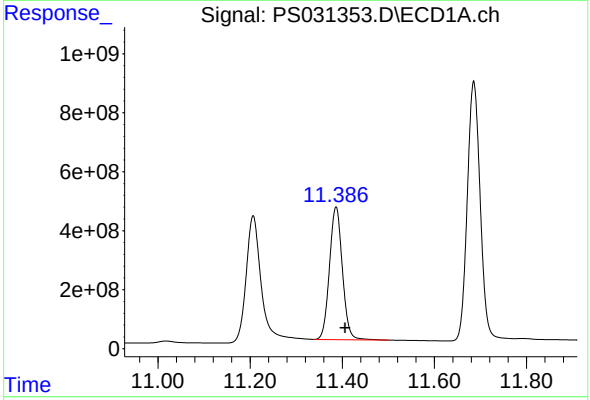
R.T.: 10.181 min
Delta R.T.: -0.017 min
Response: 1505907858
Conc: 861.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



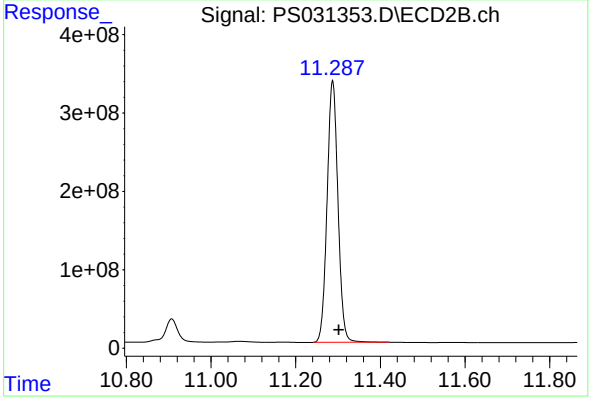
#13 2,4-DB

R.T.: 10.907 min
Delta R.T.: -0.014 min
Response: 620234855
Conc: 642.16 ng/ml



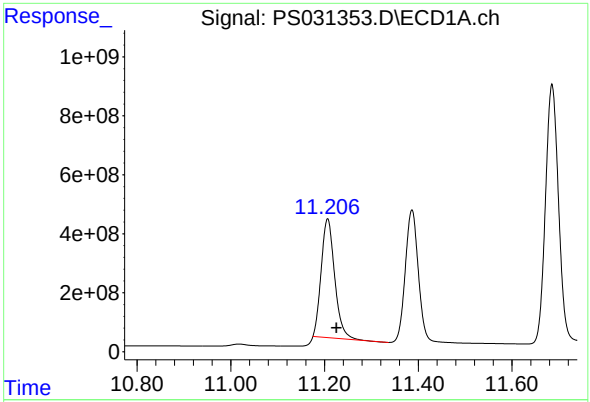
#14 DINOSEB

R.T.: 11.386 min
Delta R.T.: -0.020 min
Response: 8725030902
Conc: 761.11 ng/ml



#14 DINOSEB

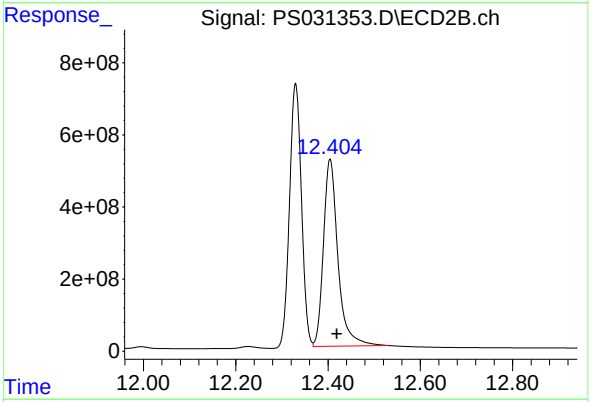
R.T.: 11.287 min
Delta R.T.: -0.015 min
Response: 5947339918
Conc: 636.76 ng/ml



#15 Picloram

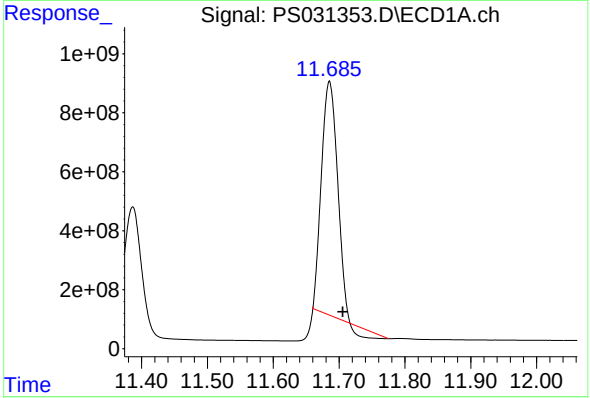
R.T.: 11.207 min
Delta R.T.: -0.019 min
Response: 8044750179
Conc: 687.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



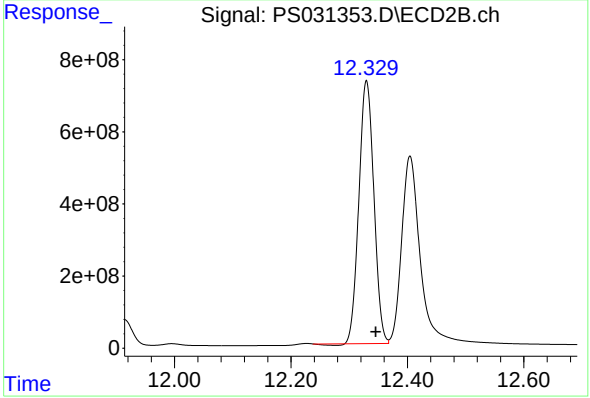
#15 Picloram

R.T.: 12.404 min
Delta R.T.: -0.014 min
Response: 11305593335
Conc: 661.34 ng/ml



#16 DCPA

R.T.: 11.685 min
Delta R.T.: -0.020 min
Response: 12920086924
Conc: 623.07 ng/ml



#16 DCPA

R.T.: 12.330 min
Delta R.T.: -0.016 min
Response: 13004238795
Conc: 697.21 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 16:59
Operator : AR\AJ
Sample : PB169091BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169091BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:46:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.302	7.754	1745.5E6	432.8E6	599.129	518.280	
	Target Compounds							
1) T	Dalapon	2.681	2.699	2394.7E6	1142.7E6	496.355	465.236	
2) T	3,5-DICHL...	6.466	6.704	1110.9E6	633.7E6	260.607	490.346	#
3) T	4-Nitroph...	7.104	7.296	609.6E6	594.1E6	598.739	460.234	
5) T	DICAMBA	7.489	7.953	6629.3E6	2442.7E6	513.081	450.608	
6) T	MCPP	7.668	0.000	162.2E6	0	20.167	N.D.	#
7) T	MCPA	7.817	8.298	530.4E6	130.1E6	54.252	50.148	
8) T	DICHLORPROP	8.198	8.672	1642.7E6	613.7E6	540.374	472.043	
9) T	2,4-D	8.431	9.012	1526.8E6	677.2E6	588.742	485.241	
10) T	Pentachlo...	8.730	9.525	25333.0E6	17280.7E6	557.030	515.897	
11) T	2,4,5-TP ...	9.310	9.910	9640.7E6	6349.6E6	578.631	499.856	
12) T	2,4,5-T	9.605	10.339	8255.6E6	5762.6E6	620.690	494.024	
13) T	2,4-DB	10.181	10.907	1094.8E6	464.1E6	626.593	480.507	
14) T	DINOSEB	11.386	11.287	6532.1E6	4494.6E6	569.818	481.227	
15) T	Picloram	11.207	12.404	5779.5E6	8578.3E6	493.567	501.806	
16) T	DCPA	11.685	12.329	9373.0E6	9692.4E6	452.013	519.650	

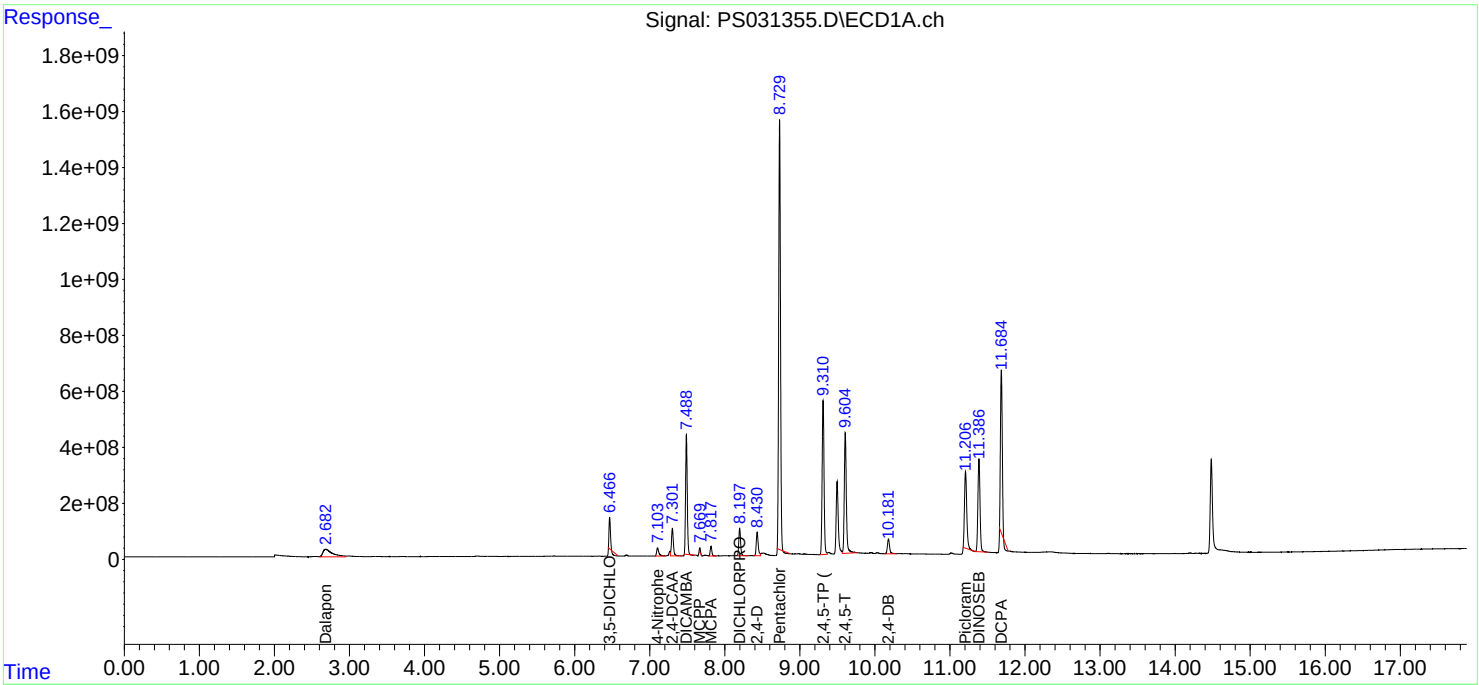
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

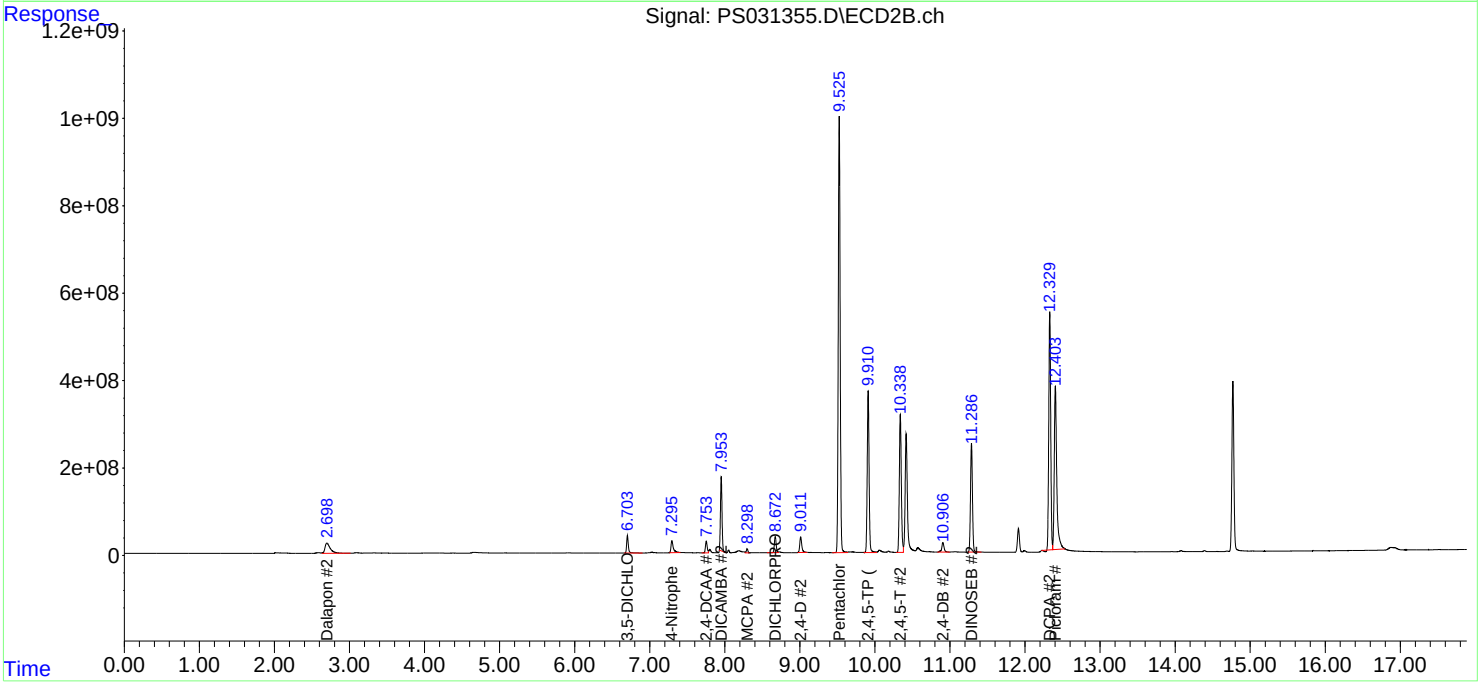
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 16:59
Operator : AR\AJ
Sample : PB169091BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

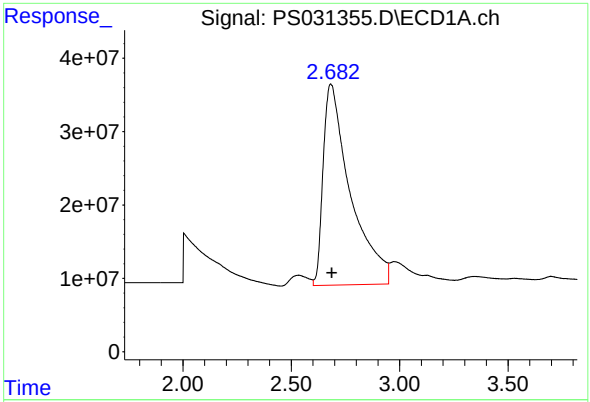
Instrument :
ECD_S
ClientSampleId :
PB169091BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:46:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



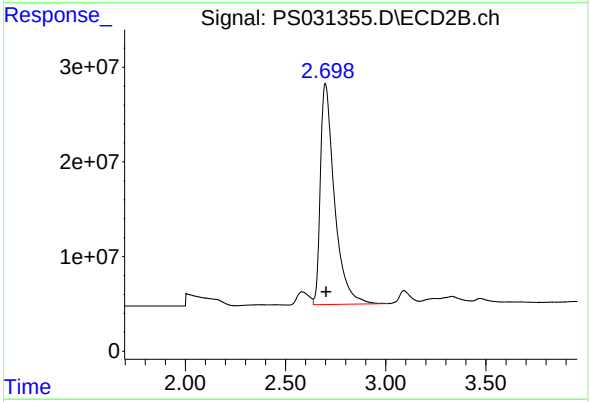




#1 Dalapon

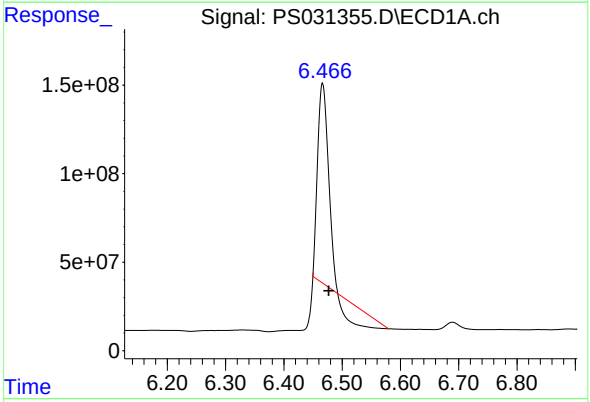
R.T.: 2.681 min
Delta R.T.: -0.006 min
Response: 2394693987
Conc: 496.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS



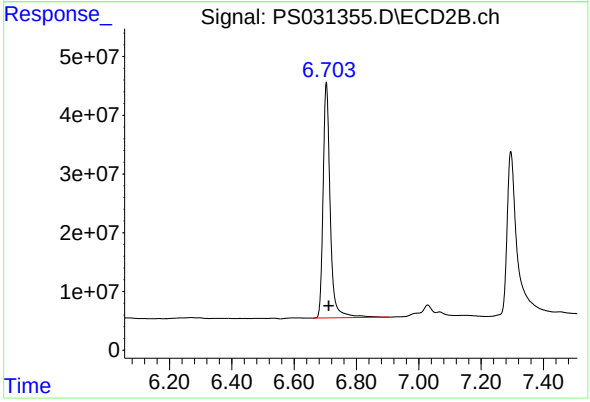
#1 Dalapon

R.T.: 2.699 min
Delta R.T.: -0.004 min
Response: 1142706785
Conc: 465.24 ng/ml



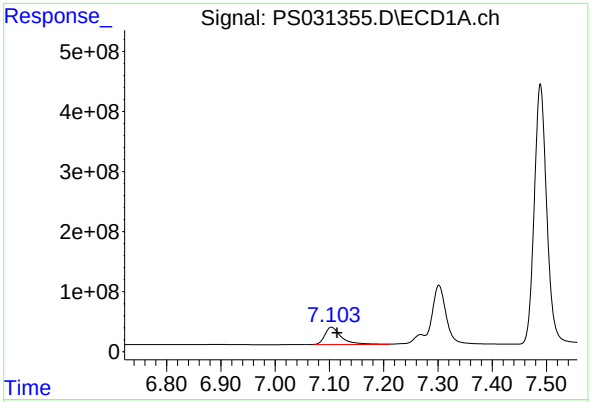
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.466 min
Delta R.T.: -0.011 min
Response: 1110948866
Conc: 260.61 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

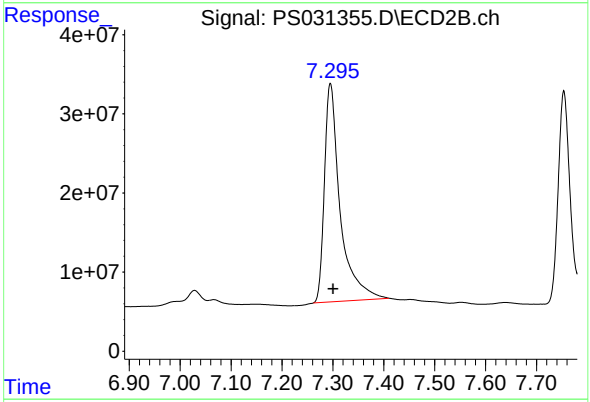
R.T.: 6.704 min
Delta R.T.: -0.007 min
Response: 633659870
Conc: 490.35 ng/ml



#3 4-Nitrophenol

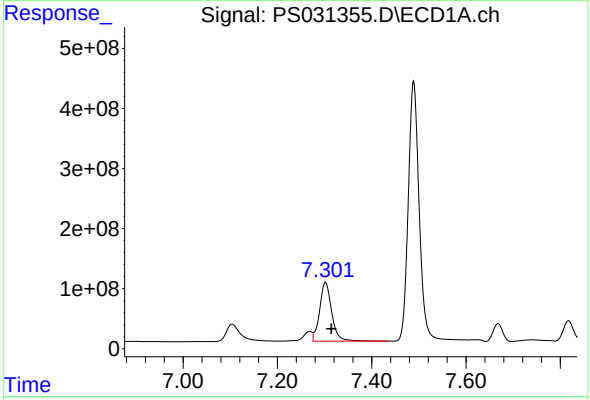
R.T.: 7.104 min
Delta R.T.: -0.011 min
Response: 609636949
Conc: 598.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS



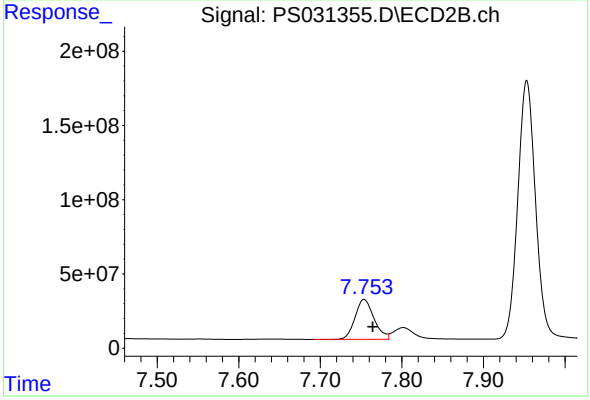
#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: -0.004 min
Response: 594121758
Conc: 460.23 ng/ml



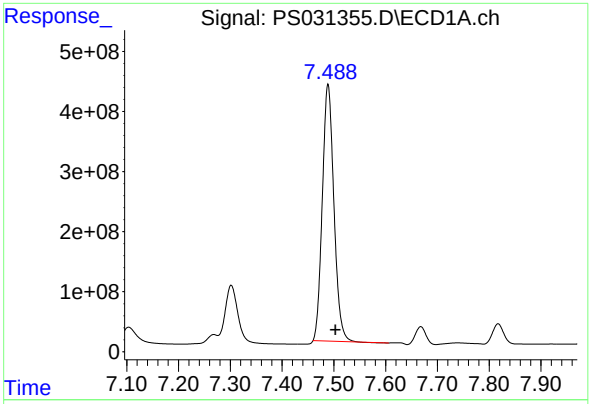
#4 2,4-DCAA

R.T.: 7.302 min
Delta R.T.: -0.013 min
Response: 1745504956
Conc: 599.13 ng/ml



#4 2,4-DCAA

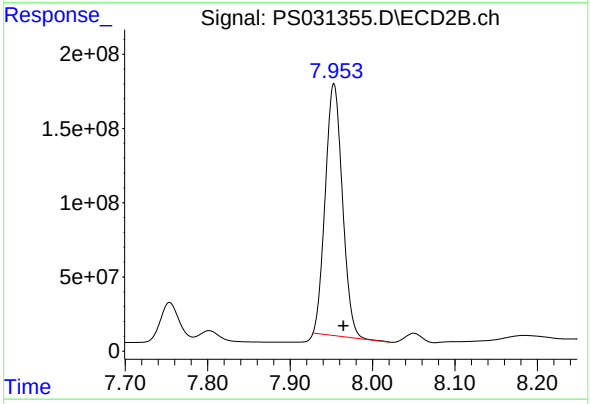
R.T.: 7.754 min
Delta R.T.: -0.010 min
Response: 432806144
Conc: 518.28 ng/ml



#5 DICAMBA

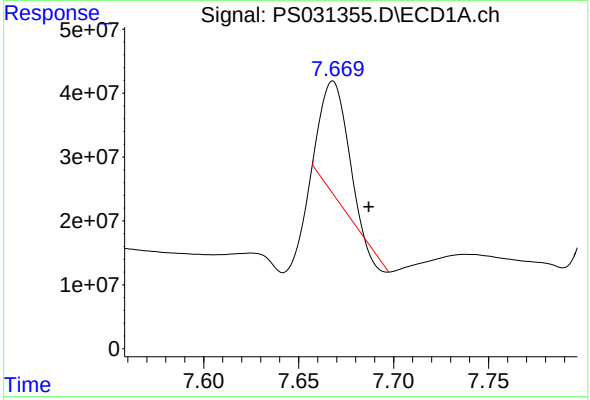
R.T.: 7.489 min
Delta R.T.: -0.014 min
Response: 6629314252
Conc: 513.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS



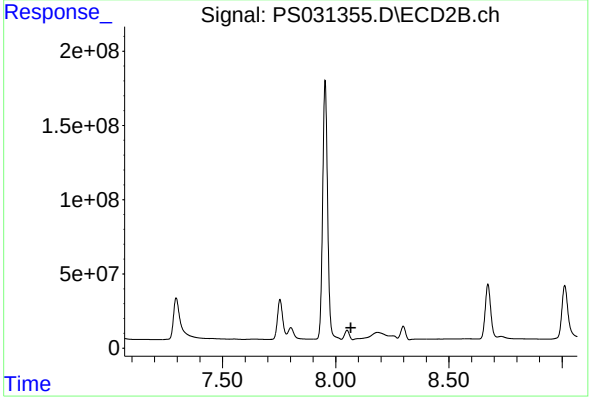
#5 DICAMBA

R.T.: 7.953 min
Delta R.T.: -0.012 min
Response: 2442675763
Conc: 450.61 ng/ml



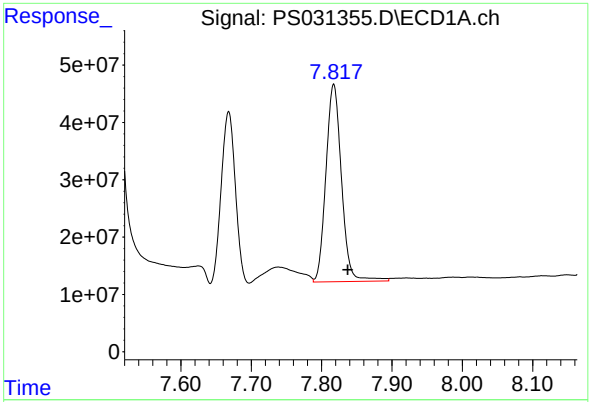
#6 MCPP

R.T.: 7.668 min
Delta R.T.: -0.019 min
Response: 162197739
Conc: 20.17 ug/ml



#6 MCPP

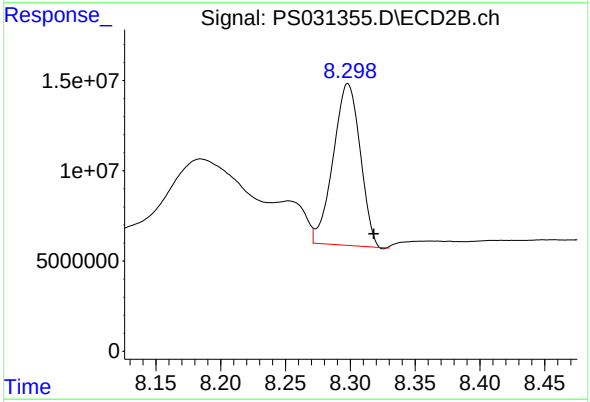
R.T.: 0.000 min
Exp R.T. : 8.067 min
Response: 0
Conc: N.D.



#7 MCPA

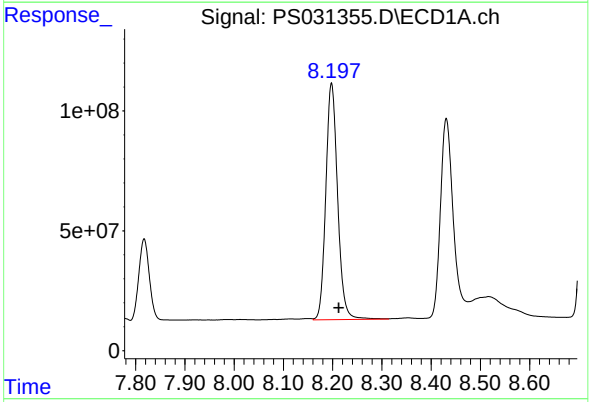
R.T.: 7.817 min
Delta R.T.: -0.020 min
Response: 530370297
Conc: 54.25 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS



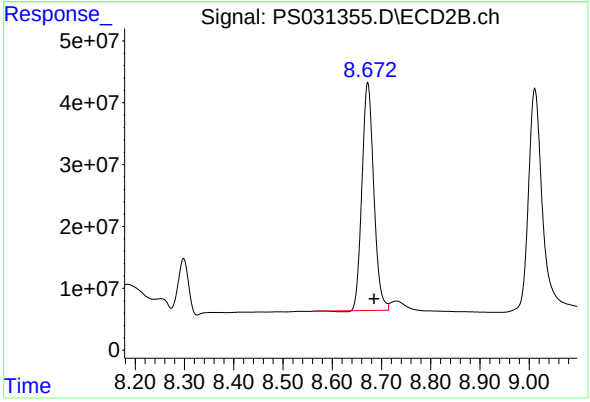
#7 MCPA

R.T.: 8.298 min
Delta R.T.: -0.020 min
Response: 130081949
Conc: 50.15 ug/ml



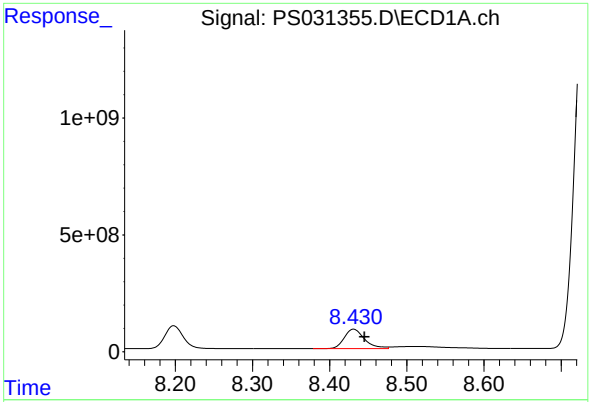
#8 DICHLORPROP

R.T.: 8.198 min
Delta R.T.: -0.015 min
Response: 1642742439
Conc: 540.37 ng/ml



#8 DICHLORPROP

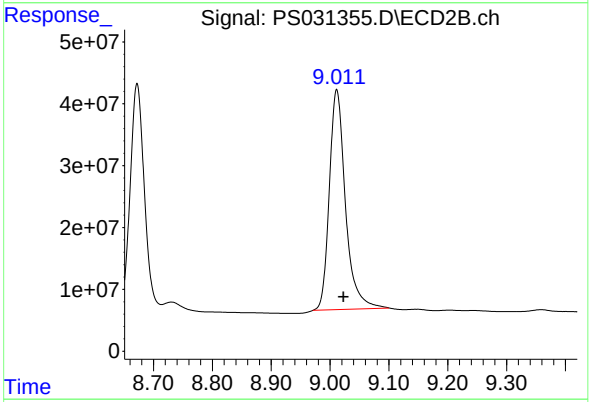
R.T.: 8.672 min
Delta R.T.: -0.012 min
Response: 613682534
Conc: 472.04 ng/ml



#9 2,4-D

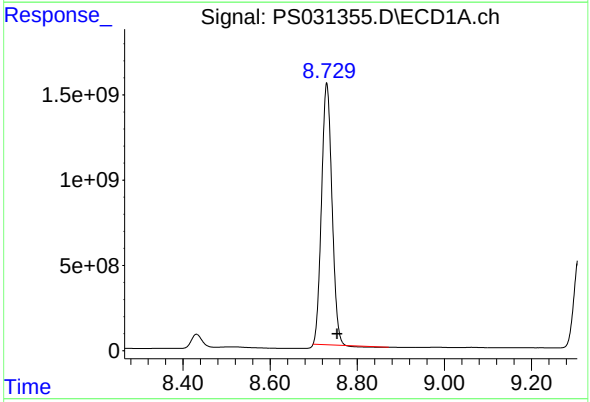
R.T.: 8.431 min
Delta R.T.: -0.014 min
Response: 1526807964
Conc: 588.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS



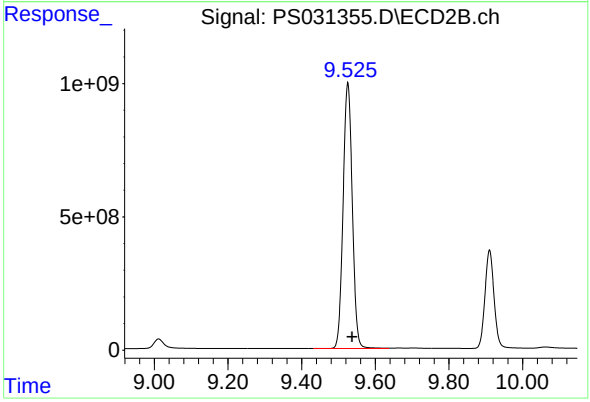
#9 2,4-D

R.T.: 9.012 min
Delta R.T.: -0.011 min
Response: 677168606
Conc: 485.24 ng/ml



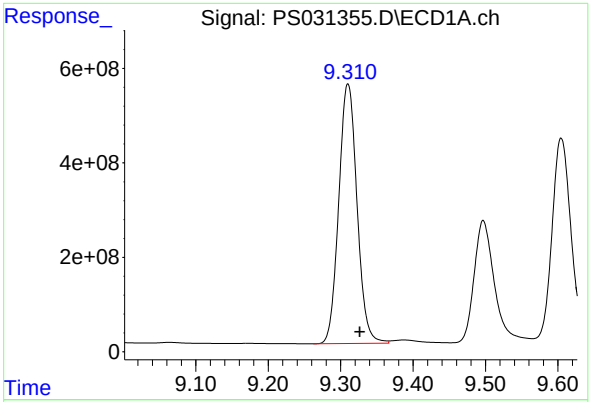
#10 Pentachlorophenol

R.T.: 8.730 min
Delta R.T.: -0.024 min
Response: 25333040051
Conc: 557.03 ng/ml



#10 Pentachlorophenol

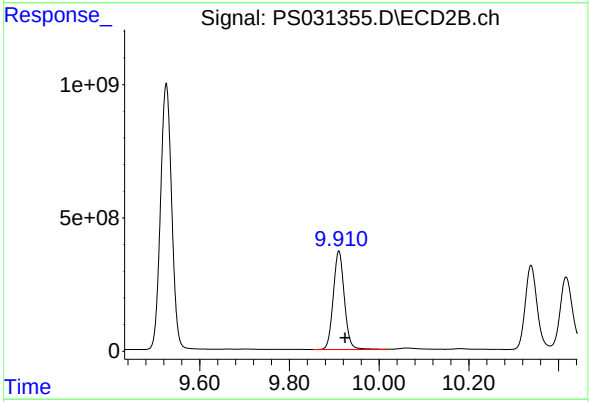
R.T.: 9.525 min
Delta R.T.: -0.012 min
Response: 17280681969
Conc: 515.90 ng/ml



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

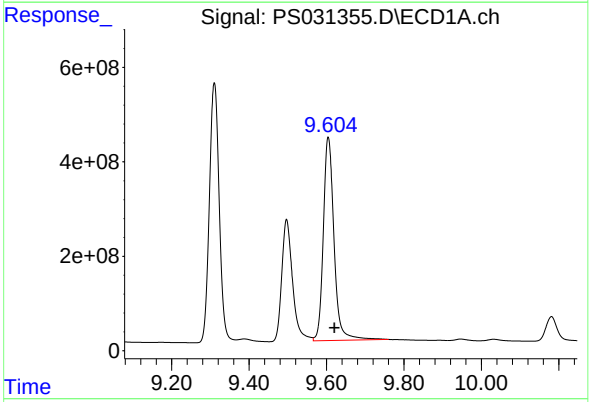
R.T.: 9.310 min
Delta R.T.: -0.016 min
Response: 9640722892
Conc: 578.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS



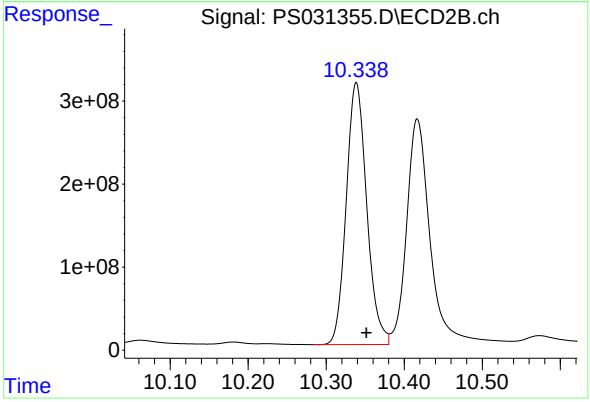
#11 2,4,5-TP (SILVEX)

R.T.: 9.910 min
Delta R.T.: -0.014 min
Response: 6349571827
Conc: 499.86 ng/ml



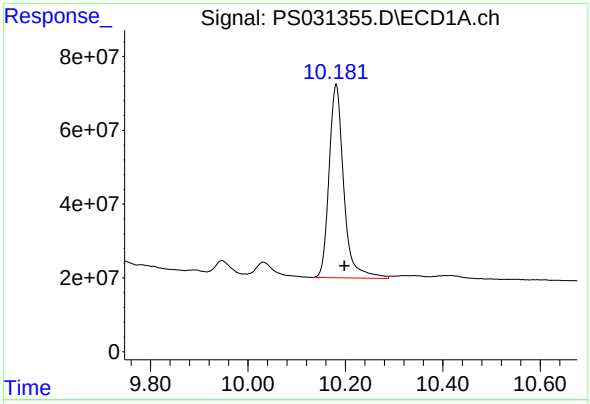
#12 2,4,5-T

R.T.: 9.605 min
Delta R.T.: -0.016 min
Response: 8255627896
Conc: 620.69 ng/ml



#12 2,4,5-T

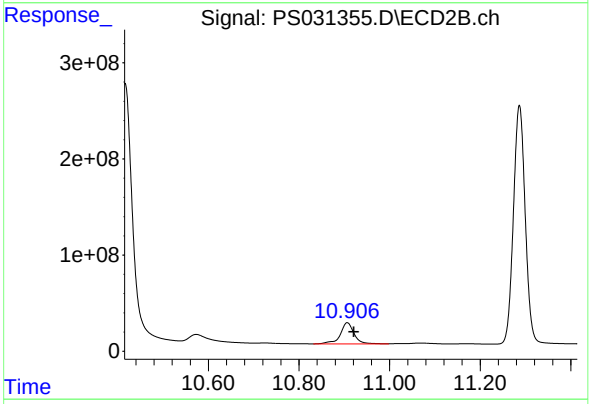
R.T.: 10.339 min
Delta R.T.: -0.013 min
Response: 5762627217
Conc: 494.02 ng/ml



#13 2,4-DB

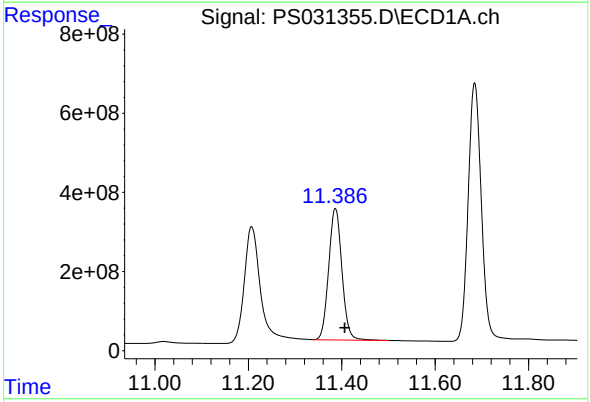
R.T.: 10.181 min
Delta R.T.: -0.017 min
Response: 1094817186
Conc: 626.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS



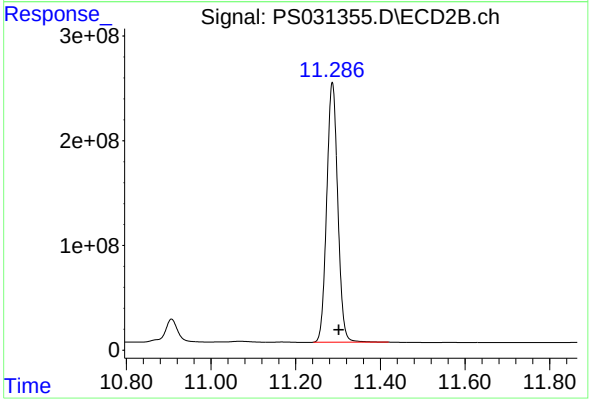
#13 2,4-DB

R.T.: 10.907 min
Delta R.T.: -0.014 min
Response: 464100593
Conc: 480.51 ng/ml



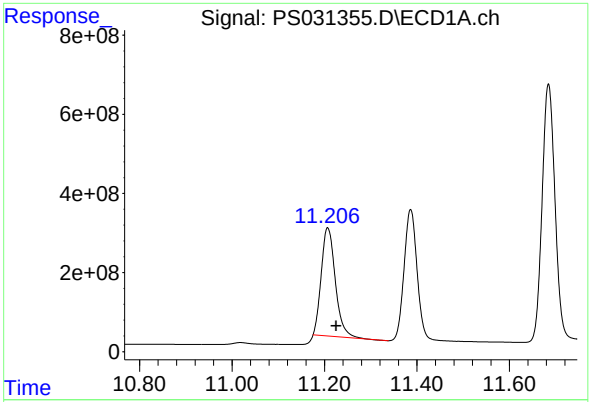
#14 DINOSEB

R.T.: 11.386 min
Delta R.T.: -0.020 min
Response: 6532133446
Conc: 569.82 ng/ml



#14 DINOSEB

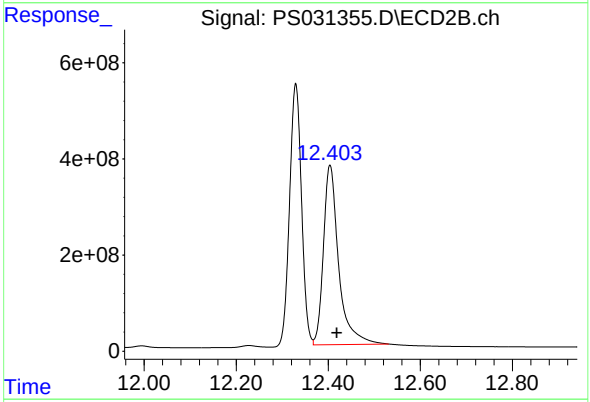
R.T.: 11.287 min
Delta R.T.: -0.016 min
Response: 4494629706
Conc: 481.23 ng/ml



#15 Picloram

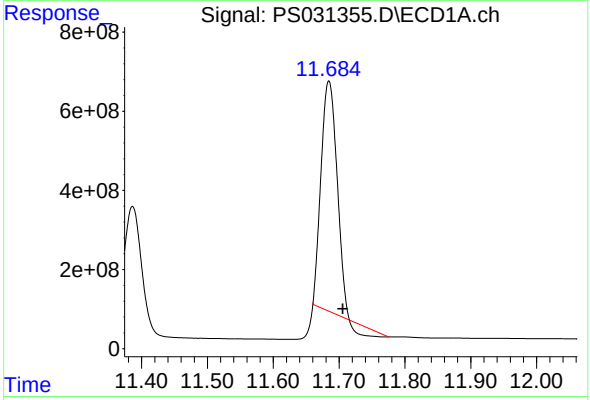
R.T.: 11.207 min
Delta R.T.: -0.018 min
Response: 5779485433
Conc: 493.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169091BS



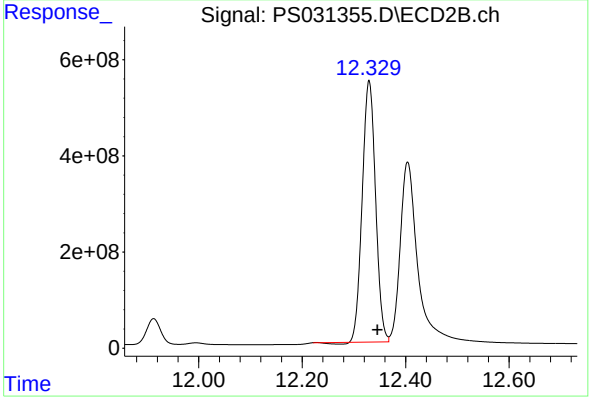
#15 Picloram

R.T.: 12.404 min
Delta R.T.: -0.014 min
Response: 8578328266
Conc: 501.81 ng/ml



#16 DCPA

R.T.: 11.685 min
Delta R.T.: -0.021 min
Response: 9372991444
Conc: 452.01 ng/ml



#16 DCPA

R.T.: 12.329 min
Delta R.T.: -0.016 min
Response: 9692386756
Conc: 519.65 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 18:11
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: Aug 05 01:46:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.302	7.755	2123.7E6	536.6E6	728.929	642.536	
	Target Compounds							
1) T	Dalapon	2.681	2.700	2948.5E6	1437.3E6	611.153	585.170	
2) T	3,5-DICHL...	6.467	6.704	1491.6E6	804.4E6	349.904	622.464	#
3) T	4-Nitroph...	7.104	7.296	739.4E6	785.5E6	726.180	608.483	
5) T	DICAMBA	7.489	7.954	8289.9E6	3146.7E6	641.606	580.485	
6) T	MCPP	7.668	0.000	227.3E6	0	28.267	N.D.	#
7) T	MCPA	7.818	8.300	654.1E6	173.4E6	66.905	66.860	
8) T	DICHLORPROP	8.198	8.673	1983.6E6	779.3E6	652.503	599.418	
9) T	2,4-D	8.431	9.012	1856.5E6	854.1E6	715.857	611.992	
10) T	Pentachlo...	8.730	9.526	31256.4E6	21707.1E6	687.276	648.042	
11) T	2,4,5-TP ...	9.310	9.911	11752.7E6	7928.1E6	705.392	624.124	
12) T	2,4,5-T	9.604	10.339	10025.8E6	7237.0E6	753.776	620.421	
13) T	2,4-DB	10.181	10.907	1339.6E6	583.0E6	766.715	603.595	
14) T	DINOSEB	11.385	11.287	7989.7E6	5659.3E6	696.962	605.921	
15) T	Picloram	11.206	12.405	7045.8E6	10300.0E6	601.707	602.520	
16) T	DCPA	11.685	12.330	11340.8E6	12157.2E6	546.912	651.798	

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

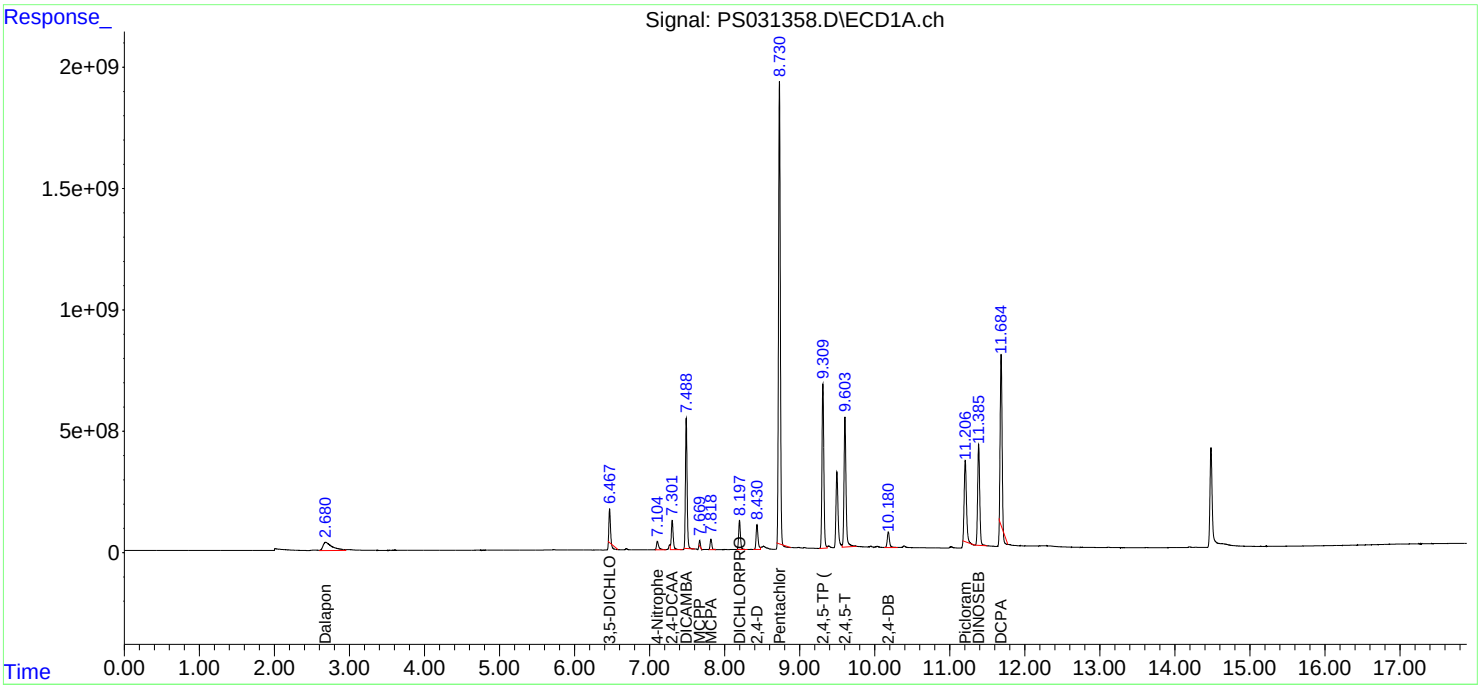
Quantitation Report (Not Reviewed)

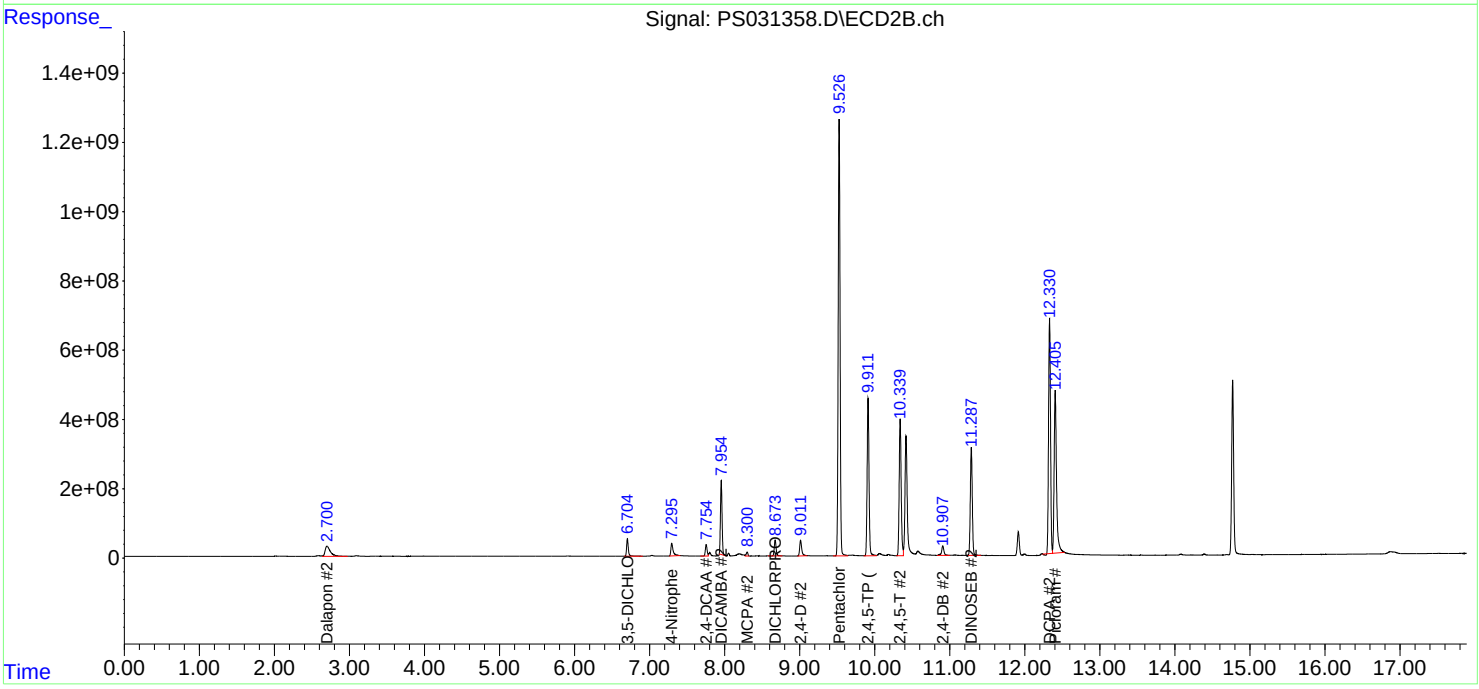
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 18:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

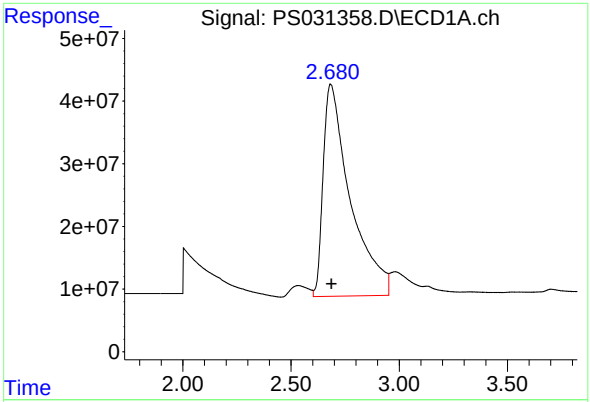
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:46:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



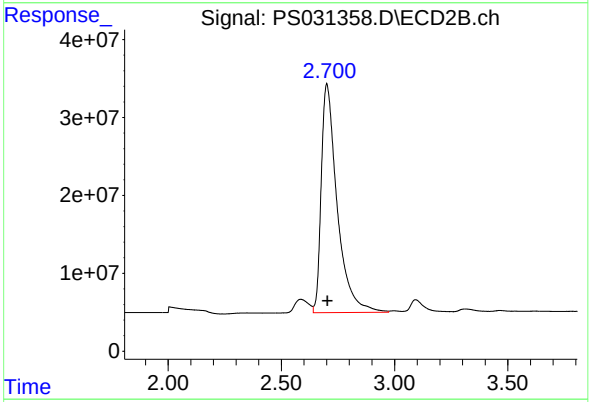




#1 Dalapon

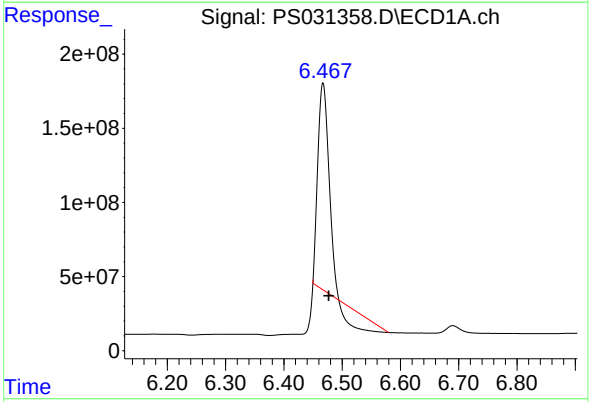
R.T.: 2.681 min
Delta R.T.: -0.006 min
Response: 2948547071
Conc: 611.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



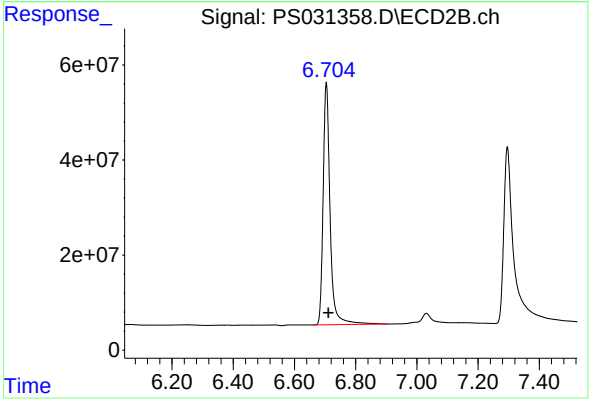
#1 Dalapon

R.T.: 2.700 min
Delta R.T.: -0.003 min
Response: 1437285055
Conc: 585.17 ng/ml



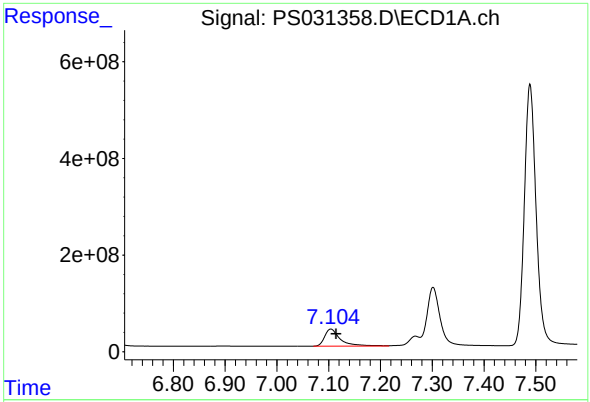
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.467 min
Delta R.T.: -0.010 min
Response: 1491617219
Conc: 349.90 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

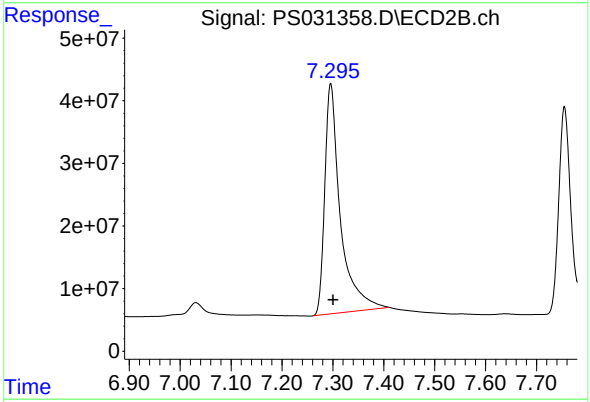
R.T.: 6.704 min
Delta R.T.: -0.006 min
Response: 804391584
Conc: 622.46 ng/ml



#3 4-Nitrophenol

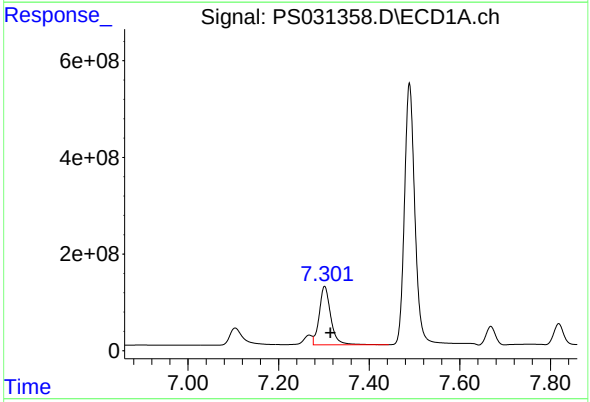
R.T.: 7.104 min
Delta R.T.: -0.010 min
Response: 739397351
Conc: 726.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



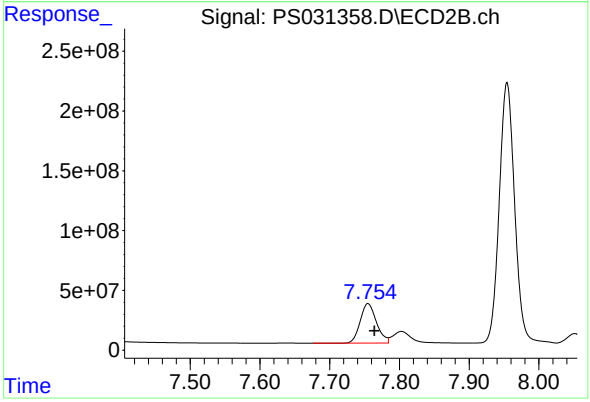
#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: -0.004 min
Response: 785498001
Conc: 608.48 ng/ml



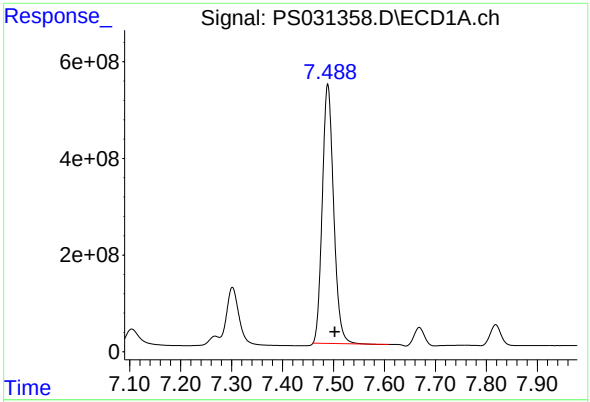
#4 2,4-DCAA

R.T.: 7.302 min
Delta R.T.: -0.013 min
Response: 2123663694
Conc: 728.93 ng/ml



#4 2,4-DCAA

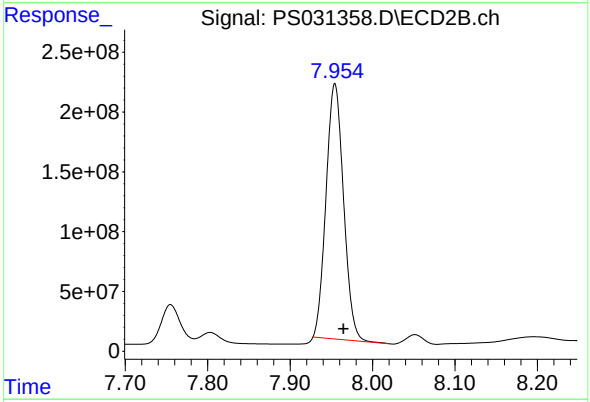
R.T.: 7.755 min
Delta R.T.: -0.009 min
Response: 536569591
Conc: 642.54 ng/ml



#5 DICAMBA

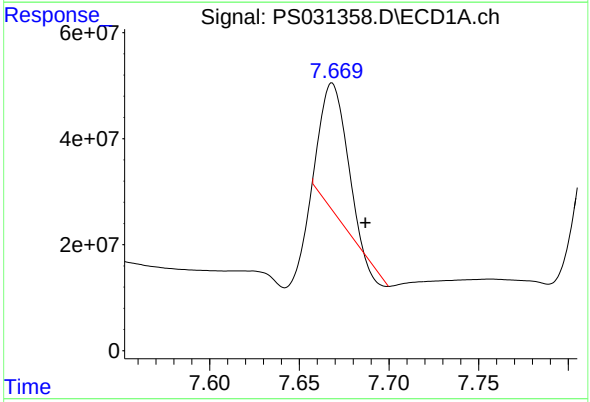
R.T.: 7.489 min
Delta R.T.: -0.014 min
Response: 8289927445
Conc: 641.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



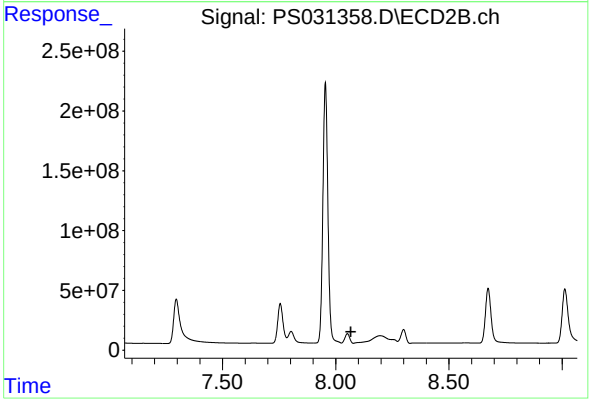
#5 DICAMBA

R.T.: 7.954 min
Delta R.T.: -0.010 min
Response: 3146721905
Conc: 580.49 ng/ml



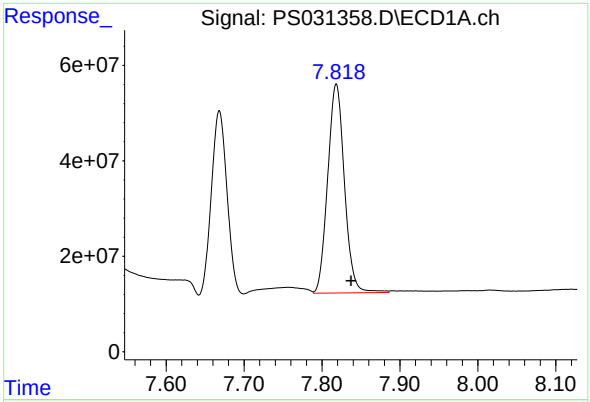
#6 MCPP

R.T.: 7.668 min
Delta R.T.: -0.019 min
Response: 227340088
Conc: 28.27 ug/ml



#6 MCPP

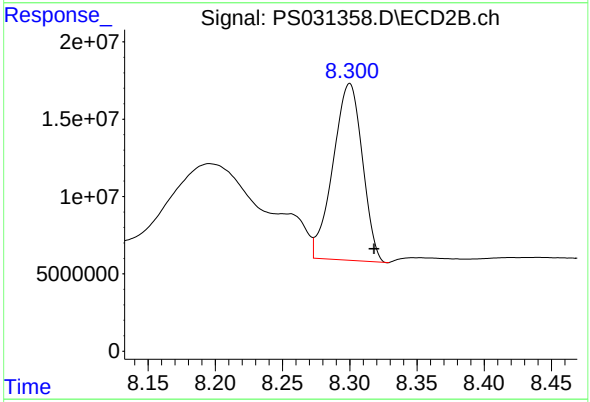
R.T.: 0.000 min
Exp R.T. : 8.067 min
Response: 0
Conc: N.D.



#7 MCPA

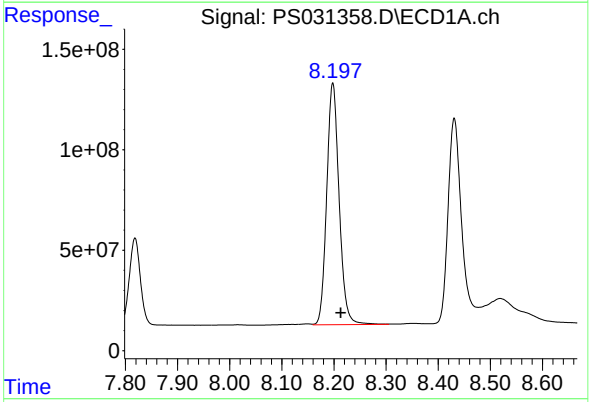
R.T.: 7.818 min
Delta R.T.: -0.019 min
Response: 654062474
Conc: 66.91 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



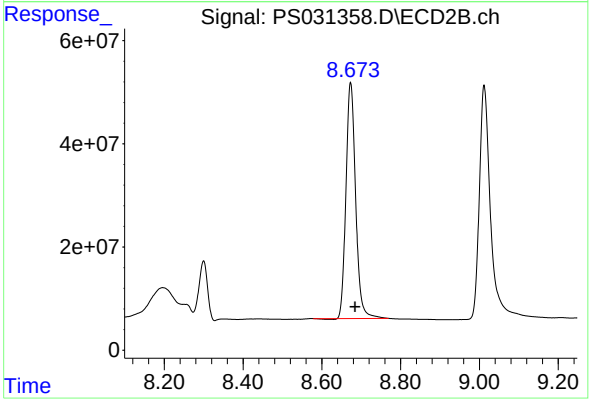
#7 MCPA

R.T.: 8.300 min
Delta R.T.: -0.018 min
Response: 173431328
Conc: 66.86 ug/ml



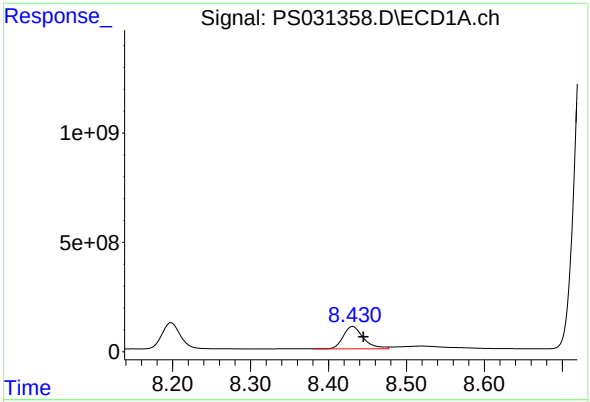
#8 DICHLORPROP

R.T.: 8.198 min
Delta R.T.: -0.015 min
Response: 1983616334
Conc: 652.50 ng/ml



#8 DICHLORPROP

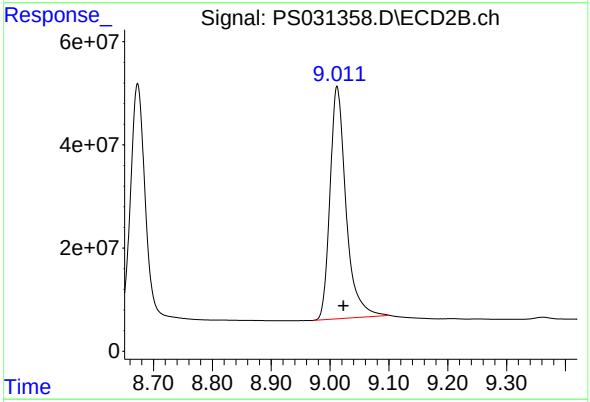
R.T.: 8.673 min
Delta R.T.: -0.012 min
Response: 779278304
Conc: 599.42 ng/ml



#9 2,4-D

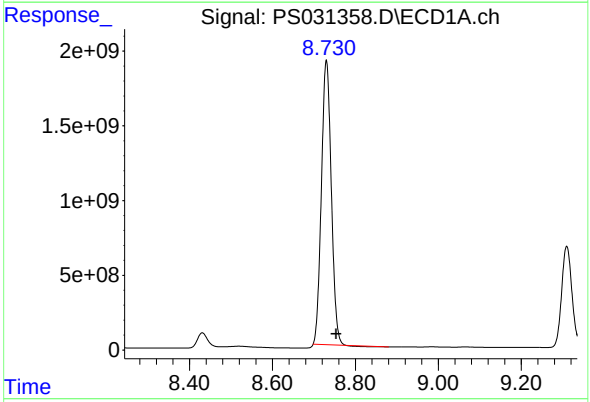
R.T.: 8.431 min
Delta R.T.: -0.014 min
Response: 1856459591
Conc: 715.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



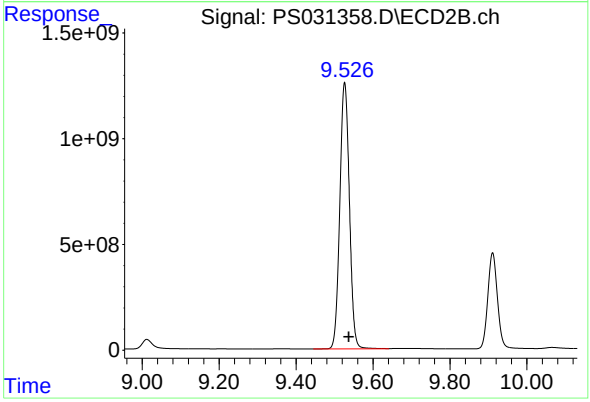
#9 2,4-D

R.T.: 9.012 min
Delta R.T.: -0.011 min
Response: 854054062
Conc: 611.99 ng/ml



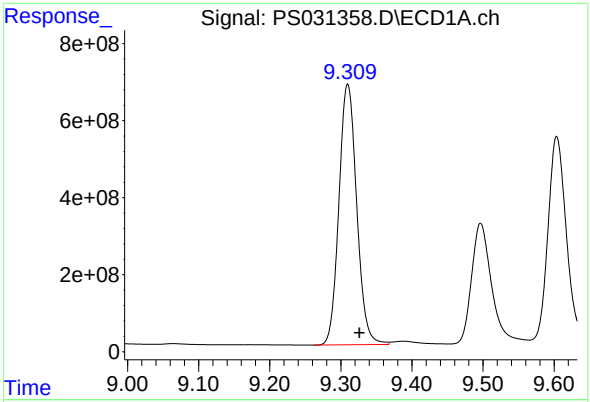
#10 Pentachlorophenol

R.T.: 8.730 min
Delta R.T.: -0.024 min
Response: 31256444277
Conc: 687.28 ng/ml



#10 Pentachlorophenol

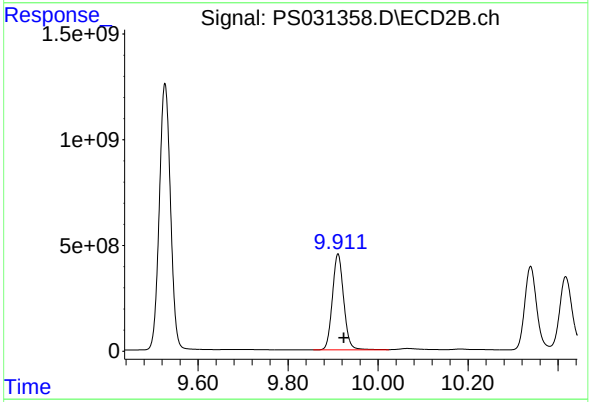
R.T.: 9.526 min
Delta R.T.: -0.011 min
Response: 21707068001
Conc: 648.04 ng/ml



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

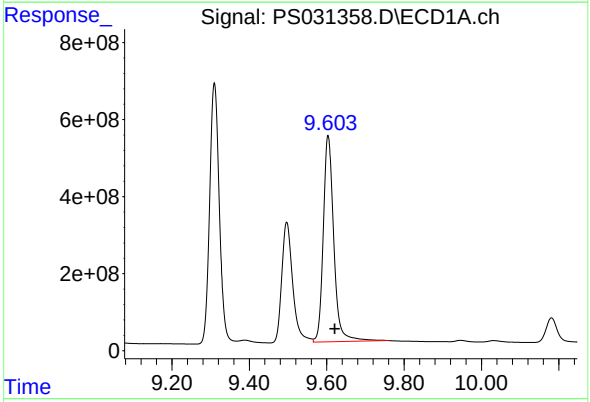
R.T.: 9.310 min
Delta R.T.: -0.017 min
Response: 11752719725
Conc: 705.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



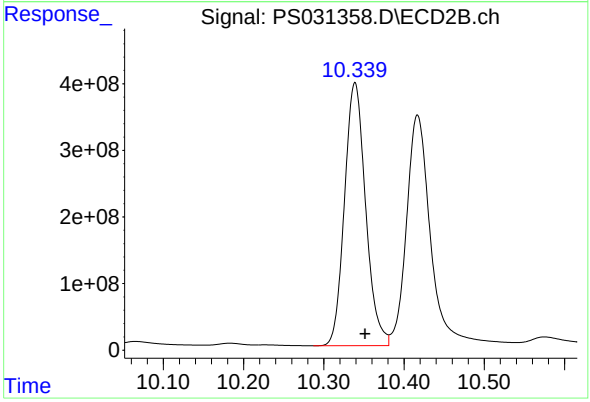
#11 2,4,5-TP (SILVEX)

R.T.: 9.911 min
Delta R.T.: -0.013 min
Response: 7928120811
Conc: 624.12 ng/ml



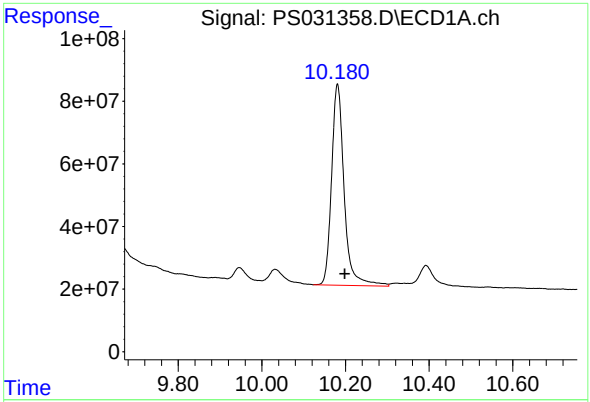
#12 2,4,5-T

R.T.: 9.604 min
Delta R.T.: -0.017 min
Response: 10025771411
Conc: 753.78 ng/ml



#12 2,4,5-T

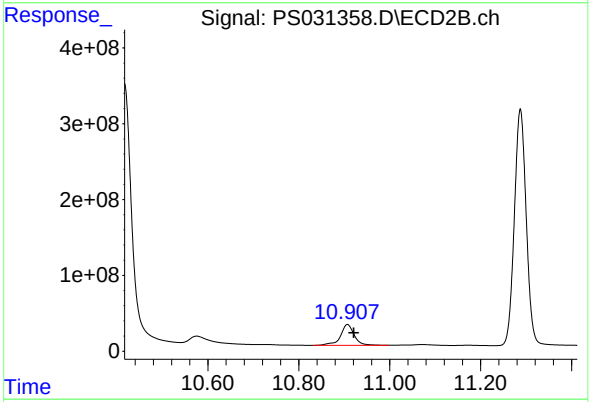
R.T.: 10.339 min
Delta R.T.: -0.013 min
Response: 7237008393
Conc: 620.42 ng/ml



#13 2,4-DB

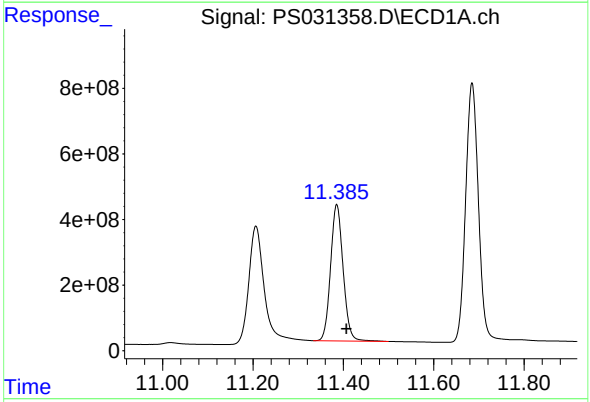
R.T.: 10.181 min
Delta R.T.: -0.017 min
Response: 1339645650
Conc: 766.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



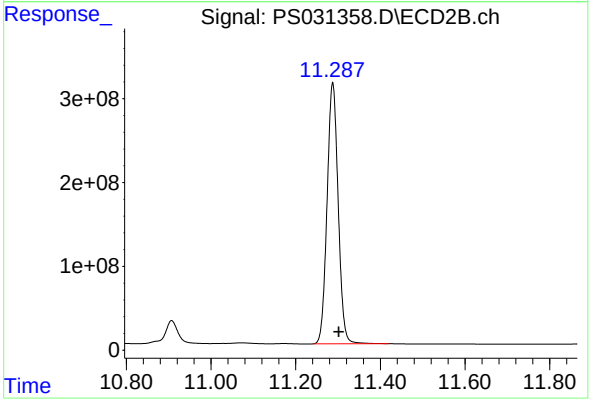
#13 2,4-DB

R.T.: 10.907 min
Delta R.T.: -0.014 min
Response: 582985319
Conc: 603.59 ng/ml



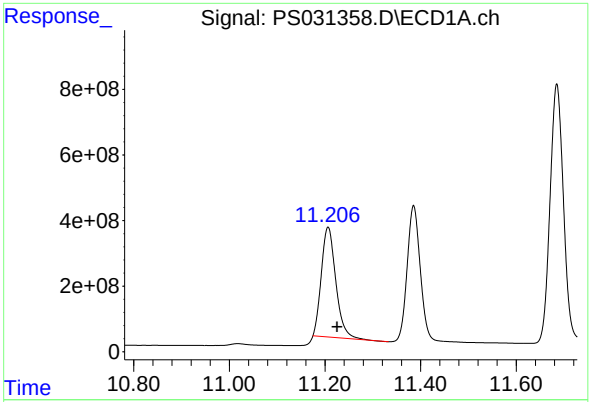
#14 DINOSEB

R.T.: 11.385 min
Delta R.T.: -0.021 min
Response: 7989654289
Conc: 696.96 ng/ml



#14 DINOSEB

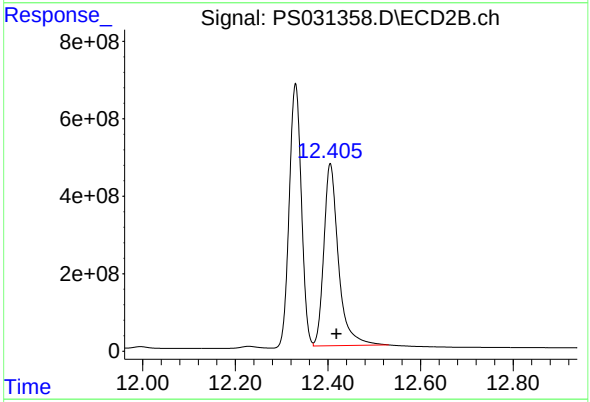
R.T.: 11.287 min
Delta R.T.: -0.015 min
Response: 5659259058
Conc: 605.92 ng/ml



#15 Picloram

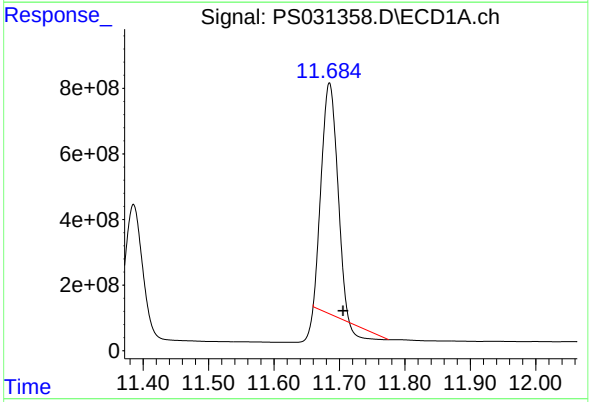
R.T.: 11.206 min
Delta R.T.: -0.019 min
Response: 7045761818
Conc: 601.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



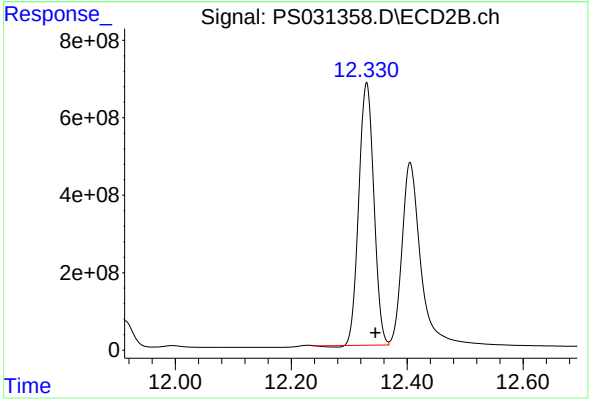
#15 Picloram

R.T.: 12.405 min
Delta R.T.: -0.013 min
Response: 10300029634
Conc: 602.52 ng/ml



#16 DCPA

R.T.: 11.685 min
Delta R.T.: -0.021 min
Response: 11340836906
Conc: 546.91 ng/ml



#16 DCPA

R.T.: 12.330 min
Delta R.T.: -0.015 min
Response: 12157177641
Conc: 651.80 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031359.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 18:35
Operator : AR\AJ
Sample : Q2747-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:47:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.302	7.755	495.7E6	99646808	170.145	119.326	#
	Target Compounds							
1) T	Dalapon	0.000	2.685	0	1161.2E6	N.D.	472.746	
2) T	3,5-DICHL...	6.462	6.739f	1564174	4252278	<MDL	3.291	#
3) T	4-Nitroph...	7.103	7.313	-8845909	102.8E6	N.D.	79.631	
5) T	DICAMBA	7.544f	7.990f	-838102	40708880	N.D.	7.510	
6) T	MCPP	7.689	8.064	25576002	367.8E6	3.180	215.140	#
7) T	MCPA	7.816	8.332	167.3E6	12006067	17.118	4.628	#
8) T	DICHLORPROP	8.242f	8.730f	547.1E6	97597357	179.970	75.072	#
9) T	2,4-D	0.000	9.029	0	18925986	N.D.	13.562	
10) T	Pentachlo...	8.772	9.505f	12502699	62880227	<MDL	1.877	#
11) T	2,4,5-TP ...	9.360f	9.892f	6411373	373.7E6	<MDL	29.418	#
12) T	2,4,5-T	9.590f	10.320f	73567226	493.7E6	5.531	42.327	#
13) T	2,4-DB	10.213	10.916	374.6E6	166.7E6	214.379	172.596	
14) T	DINOSEB	11.387	11.302	210.9E6	137.0E6	18.396	14.665	
15) T	Picloram	11.205	12.444f	23790271	87797610	2.032	5.136	#

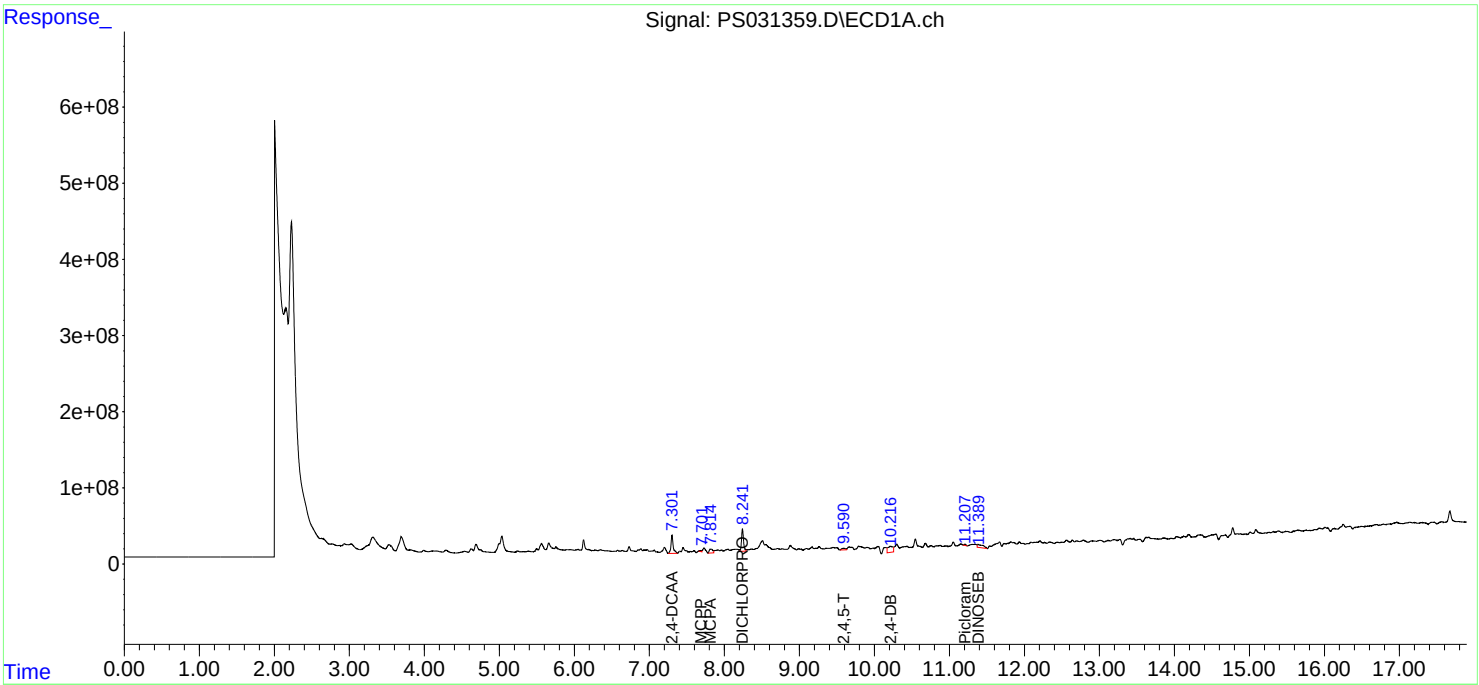
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

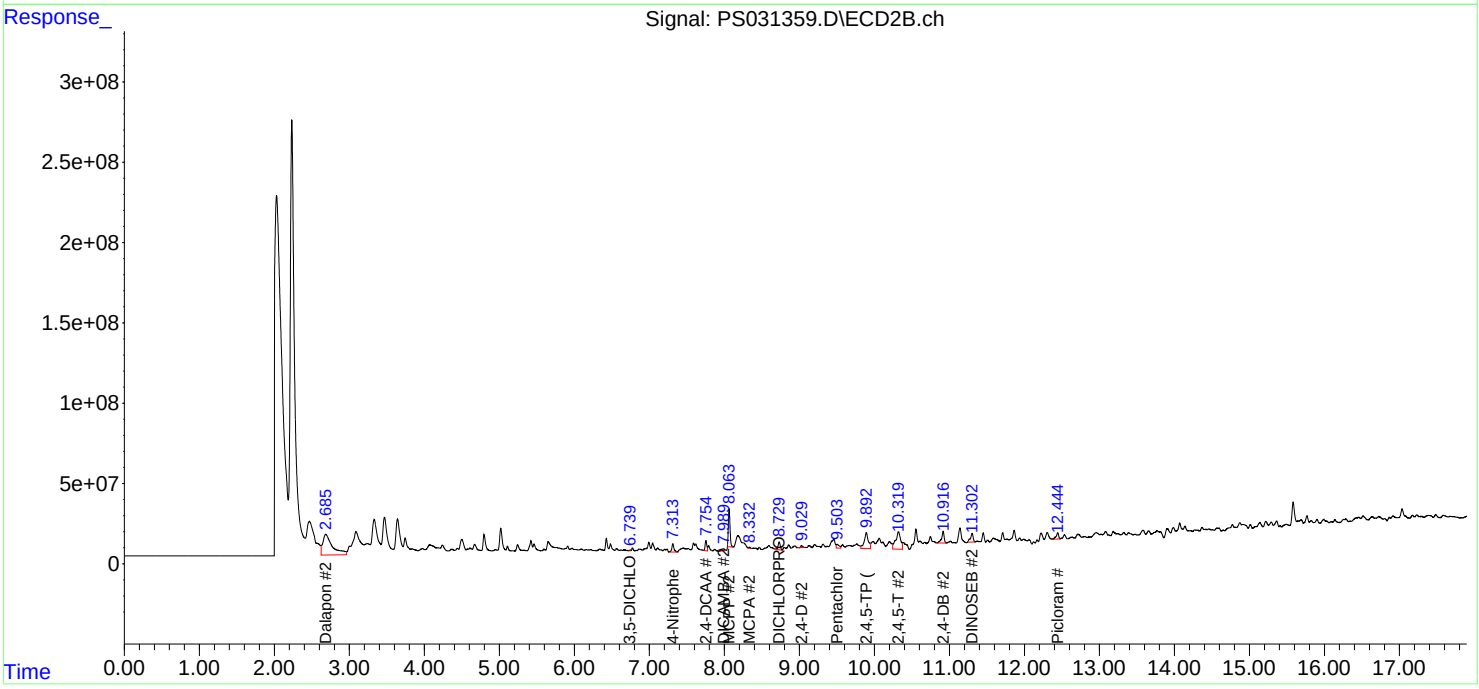
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031359.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 18:35
Operator : AR\AJ
Sample : Q2747-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

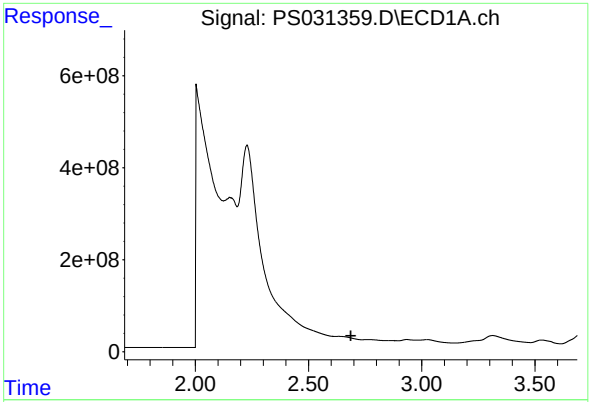
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:47:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



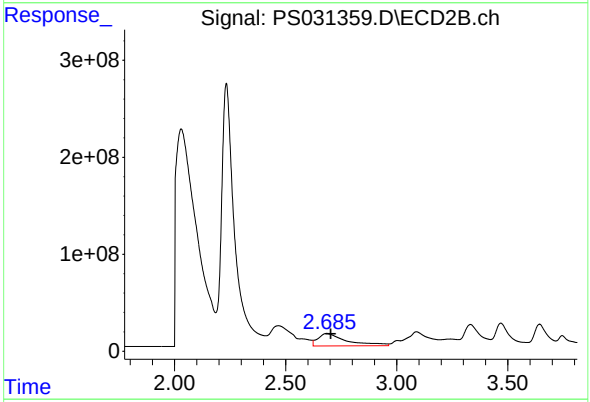




#1 Dalapon

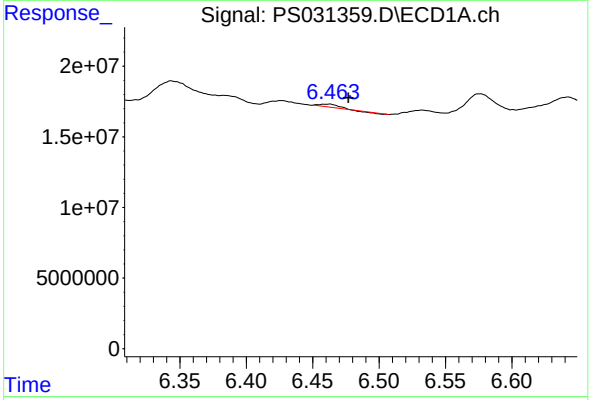
R.T.: 0.000 min
Exp R.T. : 2.687 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



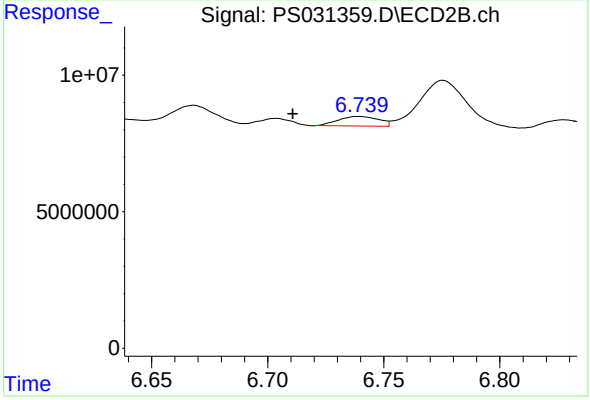
#1 Dalapon

R.T.: 2.685 min
Delta R.T.: -0.018 min
Response: 1161151283
Conc: 472.75 ng/ml



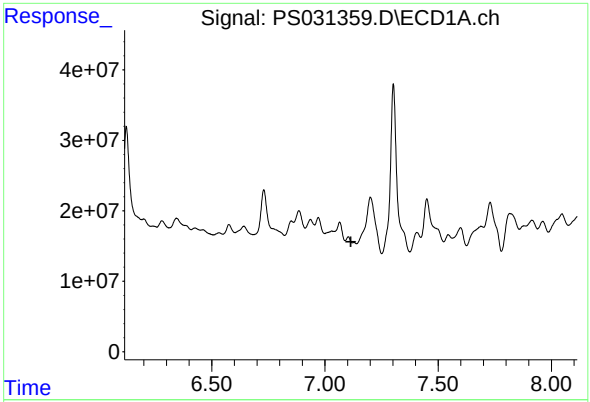
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.462 min
Delta R.T.: -0.015 min
Response: 1564174
Conc: N.D.



#2 3,5-DICHLOROBENZOIC ACID

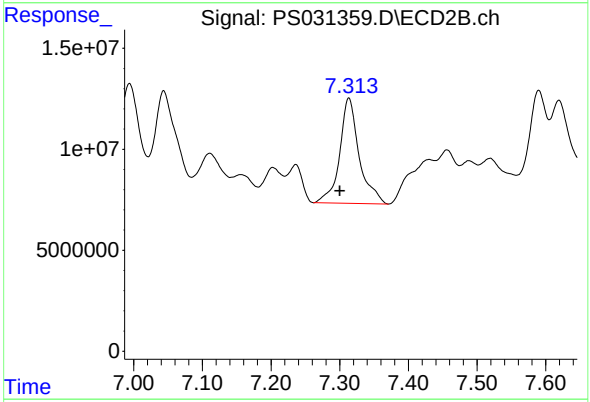
R.T.: 6.739 min
Delta R.T.: 0.029 min
Response: 4252278
Conc: 3.29 ng/ml



#3 4-Nitrophenol

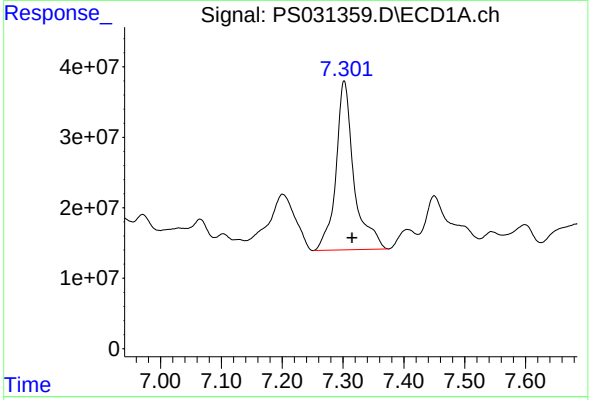
R.T.: 7.103 min
Delta R.T.: -0.012 min
Response: -8845909
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



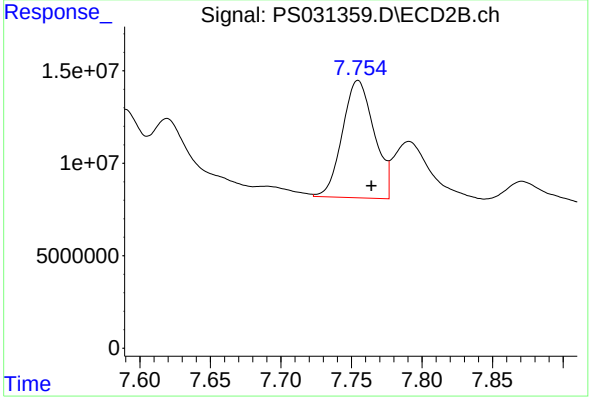
#3 4-Nitrophenol

R.T.: 7.313 min
Delta R.T.: 0.013 min
Response: 102796114
Conc: 79.63 ng/ml



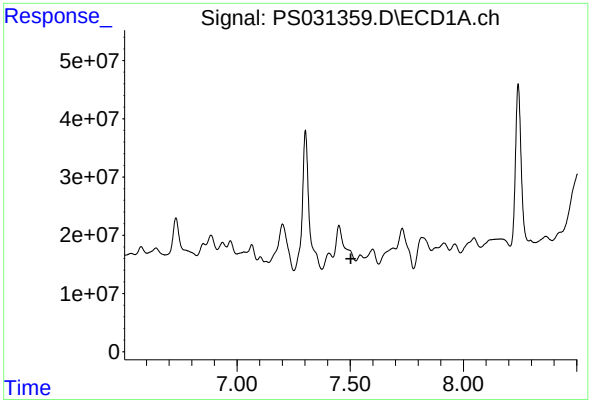
#4 2,4-DCAA

R.T.: 7.302 min
Delta R.T.: -0.013 min
Response: 495701347
Conc: 170.15 ng/ml



#4 2,4-DCAA

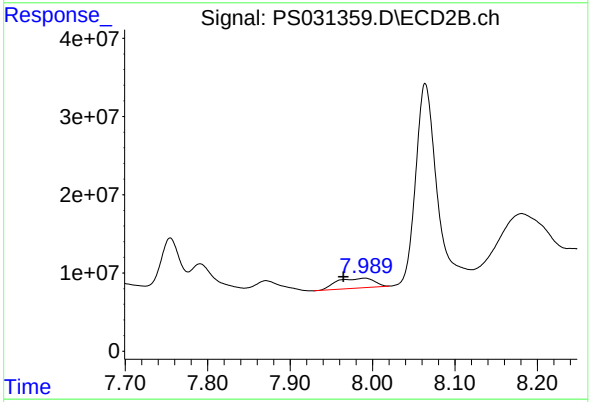
R.T.: 7.755 min
Delta R.T.: -0.010 min
Response: 99646808
Conc: 119.33 ng/ml



#5 DICAMBA

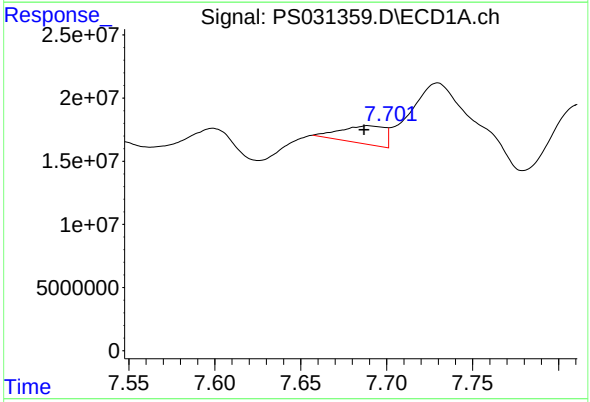
R.T.: 7.544 min
Delta R.T.: 0.041 min
Response: -838102
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



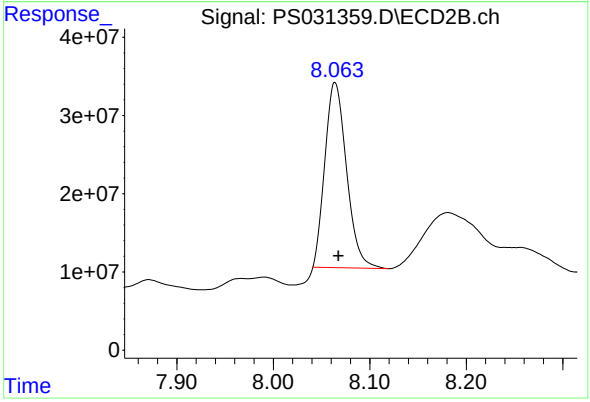
#5 DICAMBA

R.T.: 7.990 min
Delta R.T.: 0.025 min
Response: 40708880
Conc: 7.51 ng/ml



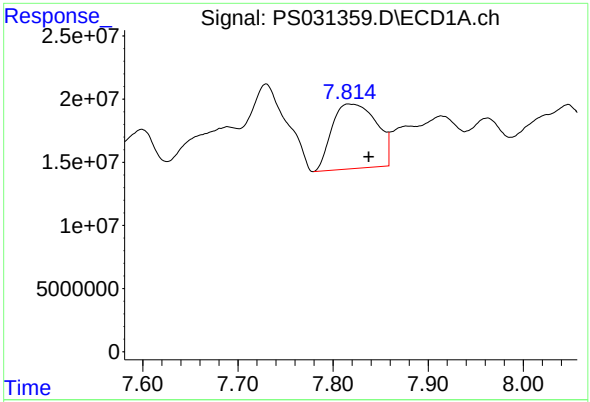
#6 MCPP

R.T.: 7.689 min
Delta R.T.: 0.002 min
Response: 25576002
Conc: 3.18 ug/ml



#6 MCPP

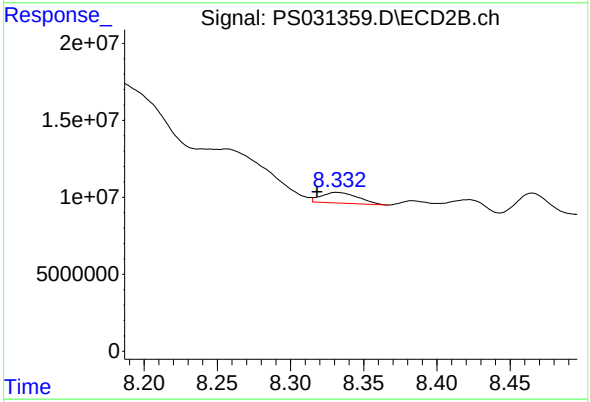
R.T.: 8.064 min
Delta R.T.: -0.003 min
Response: 367756622
Conc: 215.14 ug/ml



#7 MCPA

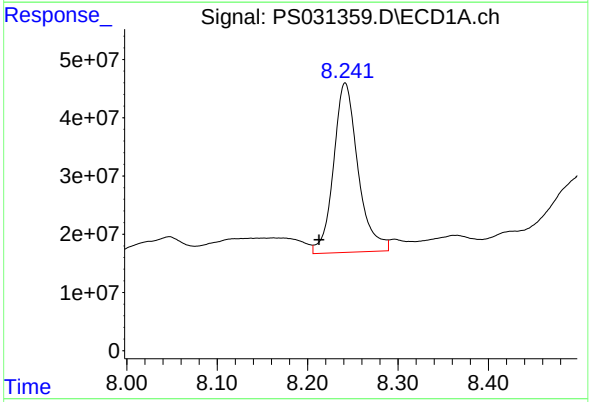
R.T.: 7.816 min
Delta R.T.: -0.021 min
Response: 167344184
Conc: 17.12 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



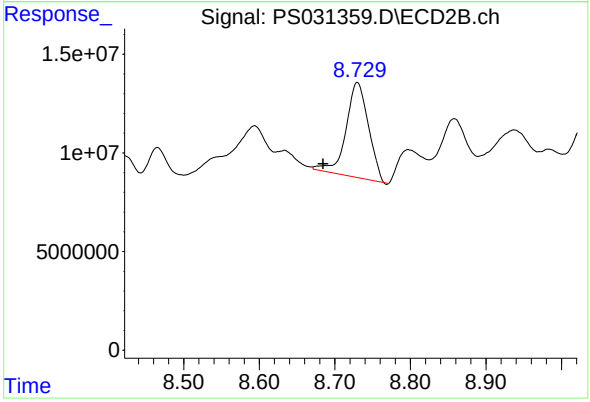
#7 MCPA

R.T.: 8.332 min
Delta R.T.: 0.014 min
Response: 12006067
Conc: 4.63 ug/ml



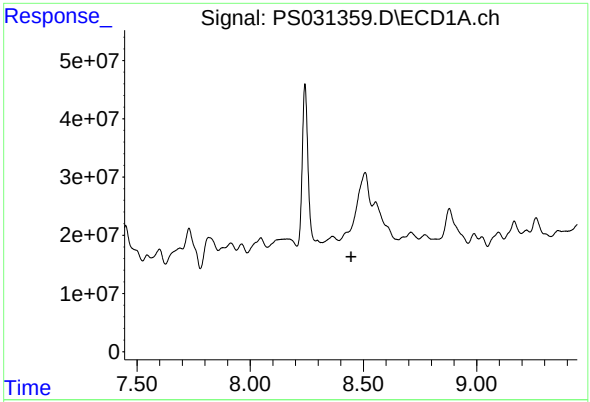
#8 DICHLORPROP

R.T.: 8.242 min
Delta R.T.: 0.029 min
Response: 547110269
Conc: 179.97 ng/ml



#8 DICHLORPROP

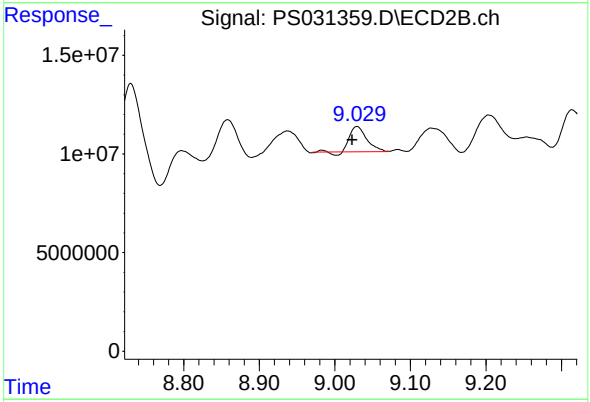
R.T.: 8.730 min
Delta R.T.: 0.045 min
Response: 97597357
Conc: 75.07 ng/ml



#9 2,4-D

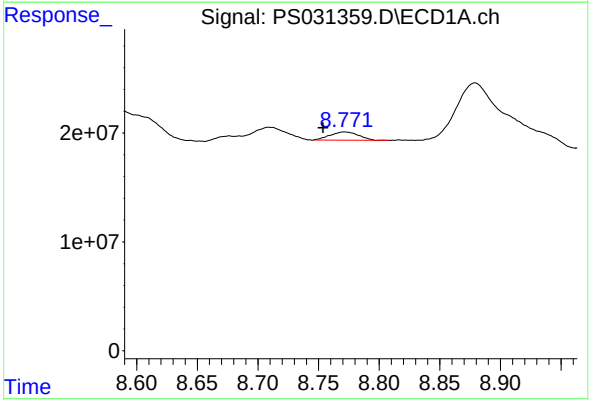
R.T.: 0.000 min
Exp R.T. : 8.445 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



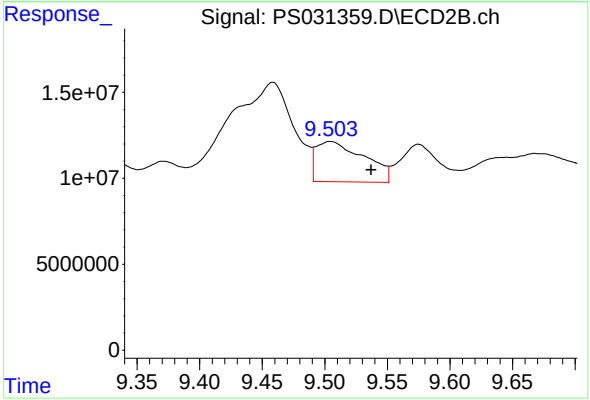
#9 2,4-D

R.T.: 9.029 min
Delta R.T.: 0.006 min
Response: 18925986
Conc: 13.56 ng/ml



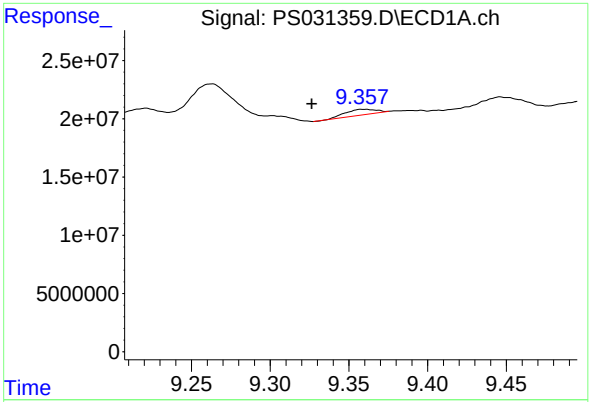
#10 Pentachlorophenol

R.T.: 8.772 min
Delta R.T.: 0.018 min
Response: 12502699
Conc: N.D.



#10 Pentachlorophenol

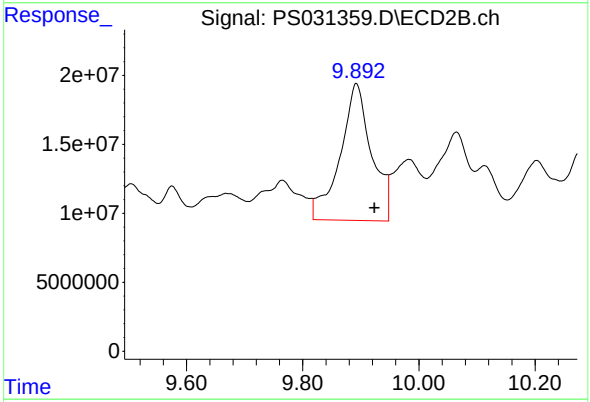
R.T.: 9.505 min
Delta R.T.: -0.033 min
Response: 62880227
Conc: 1.88 ng/ml



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

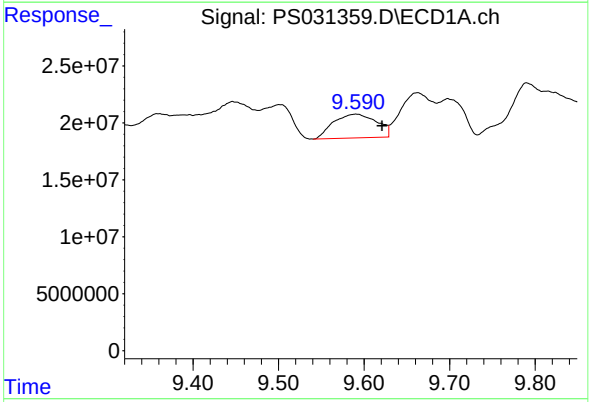
R.T.: 9.360 min
Delta R.T.: 0.033 min
Response: 6411373
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



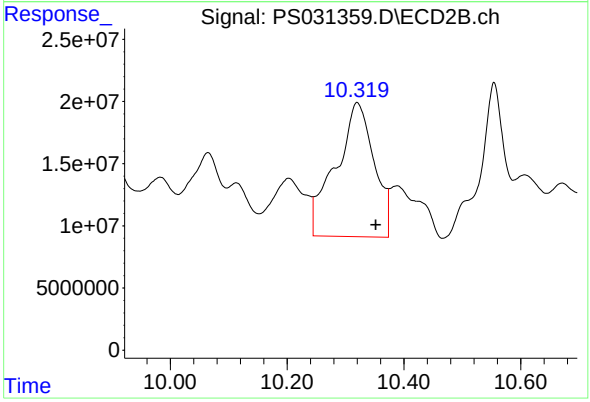
#11 2,4,5-TP (SILVEX)

R.T.: 9.892 min
Delta R.T.: -0.031 min
Response: 373687139
Conc: 29.42 ng/ml



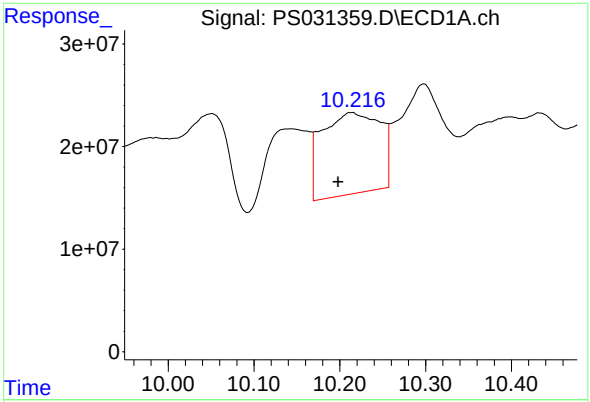
#12 2,4,5-T

R.T.: 9.590 min
Delta R.T.: -0.030 min
Response: 73567226
Conc: 5.53 ng/ml



#12 2,4,5-T

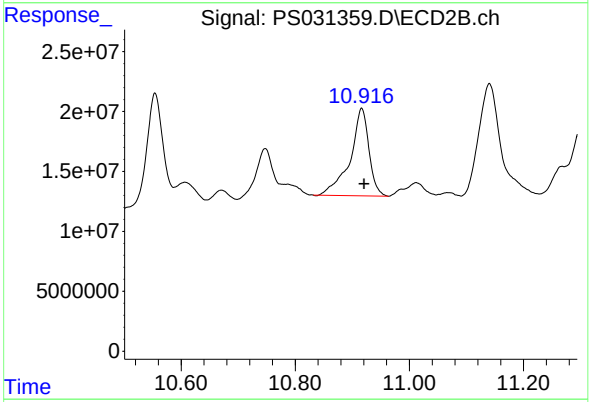
R.T.: 10.320 min
Delta R.T.: -0.032 min
Response: 493735236
Conc: 42.33 ng/ml



#13 2,4-DB

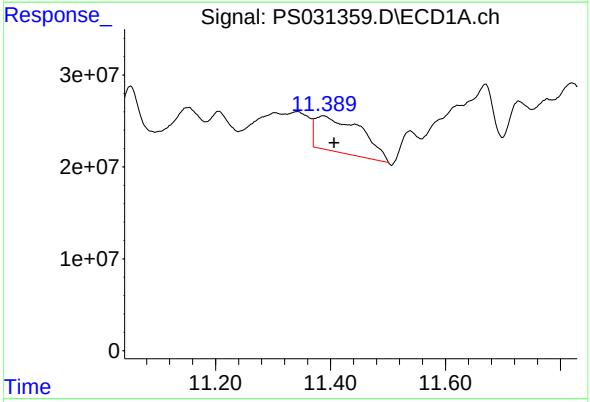
R.T.: 10.213 min
Delta R.T.: 0.015 min
Response: 374574854
Conc: 214.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



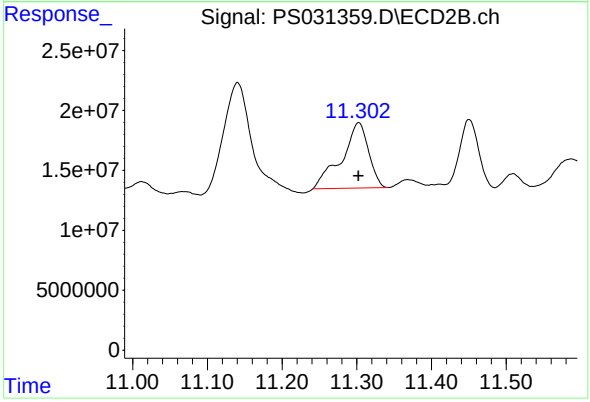
#13 2,4-DB

R.T.: 10.916 min
Delta R.T.: -0.004 min
Response: 166703311
Conc: 172.60 ng/ml



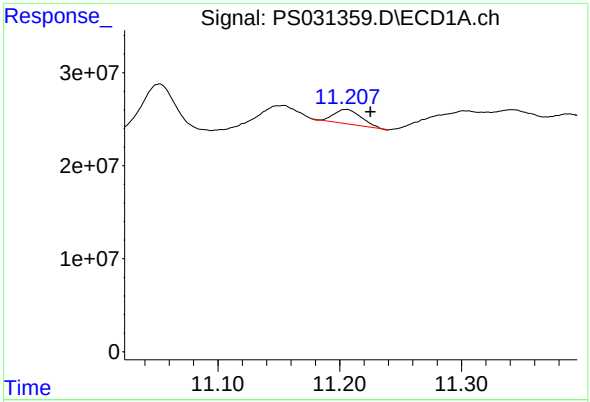
#14 DINOSEB

R.T.: 11.387 min
Delta R.T.: -0.019 min
Response: 210887597
Conc: 18.40 ng/ml



#14 DINOSEB

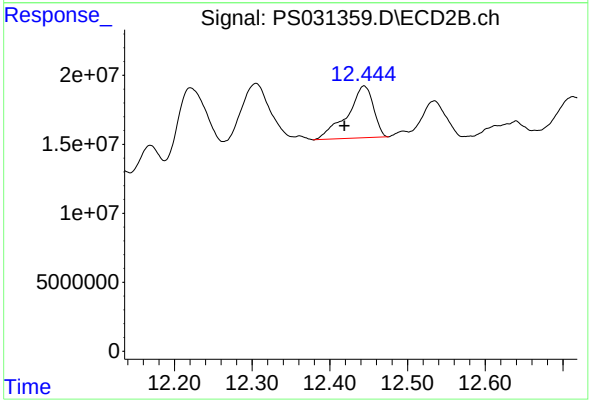
R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 136969839
Conc: 14.66 ng/ml



#15 Picloram

R.T.: 11.205 min
Delta R.T.: -0.020 min
Response: 23790271
Conc: 2.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



#15 Picloram

R.T.: 12.444 min
Delta R.T.: 0.025 min
Response: 87797610
Conc: 5.14 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 19:24
Operator : AR\AJ
Sample : Q2747-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:47:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.301	7.754	687.8E6	199.8E6	236.082	239.225	
	Target Compounds							
1) T	Dalapon	2.640f	2.681	1361.4E6	902.8E6	282.179	367.542	#
2) T	3,5-DICHL...	6.499	6.737f	-2727445	3510951	N.D.	2.717	
3) T	4-Nitroph...	7.102	7.314	-7410857	125.6E6	N.D.	97.317	
5) T	DICAMBA	7.504	7.992f	7792958	31679524	<MDL	5.844	#
6) T	MCPP	7.686	8.063	19292803	368.4E6	2.399	215.513	#
7) T	MCPA	7.809f	8.330	223.2E6	12898731	22.836	4.973	#
8) T	DICHLORPROP	8.241f	8.729f	502.7E6	53651813	165.351	41.269	#
9) T	2,4-D	8.421	9.002	55336647	1707117	21.338	1.223	#
10) T	Pentachlo...	8.773	9.509f	1160171	75986779	<MDL	2.269	#
11) T	2,4,5-TP ...	9.353f	9.889f	24411758	644.4E6	1.465	50.729	#
12) T	2,4,5-T	9.588f	10.332	78823712	717.0E6	5.926	61.470	#
13) T	2,4-DB	10.212	10.883f	439.5E6	28912355	251.529	29.934	#
14) T	DINOSEB	11.387	11.300	110.7E6	96123304	9.661	10.292	
15) T	Picloram	11.198f	12.404	2713666	160.6E6	<MDL	9.394	#

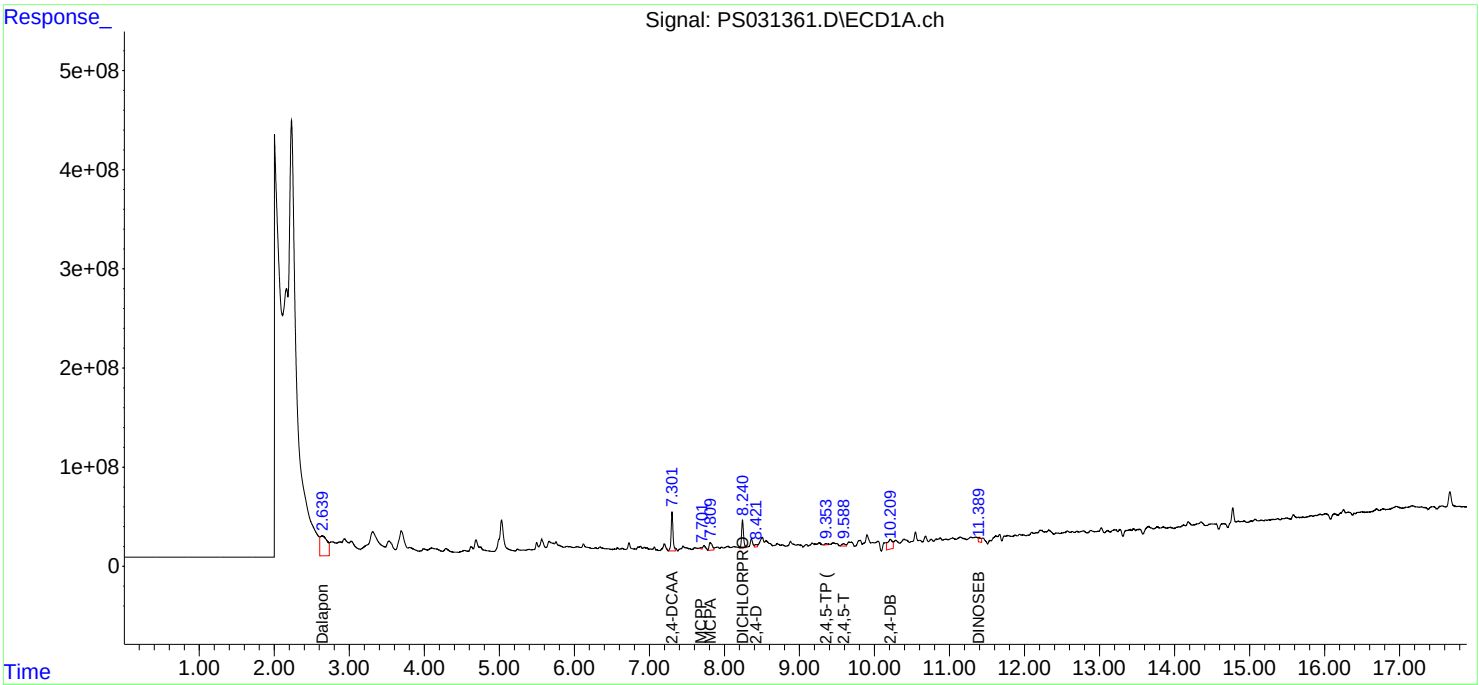
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

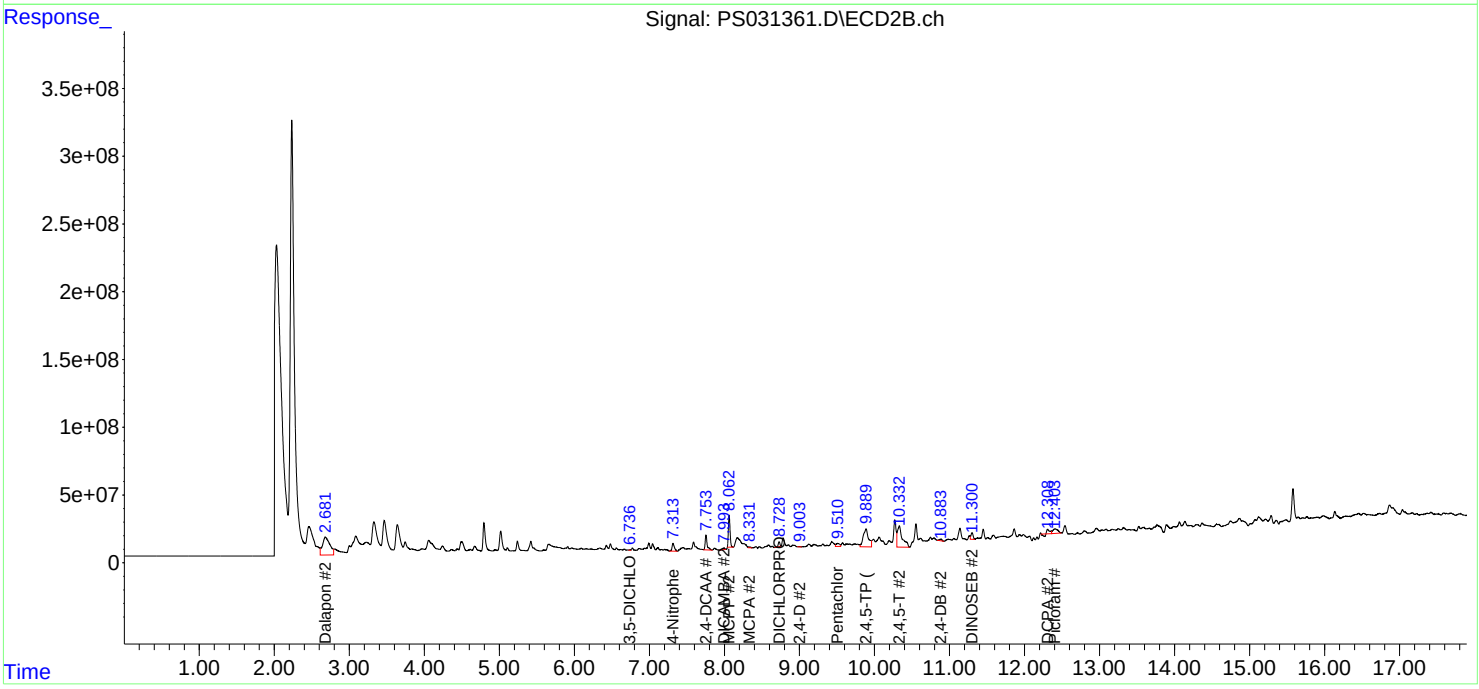
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 19:24
Operator : AR\AJ
Sample : Q2747-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

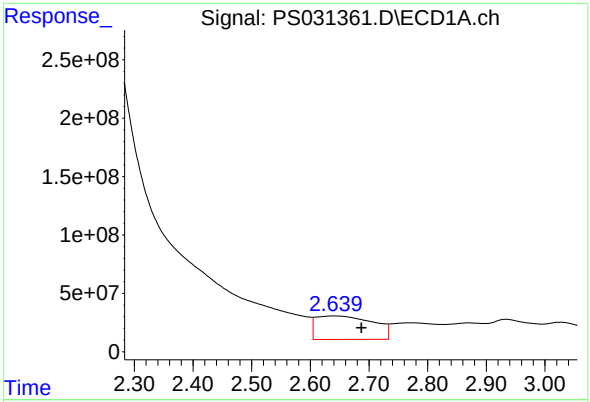
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:47:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #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



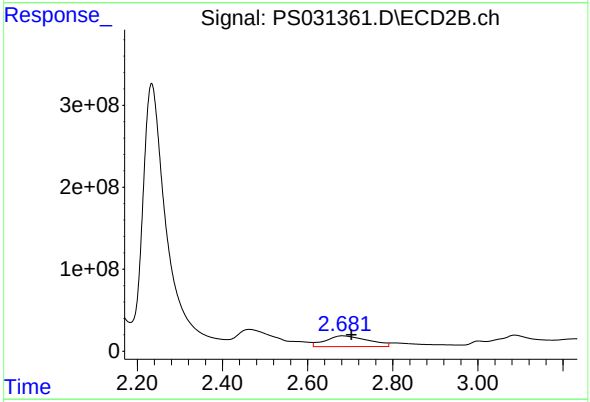




#1 Dalapon

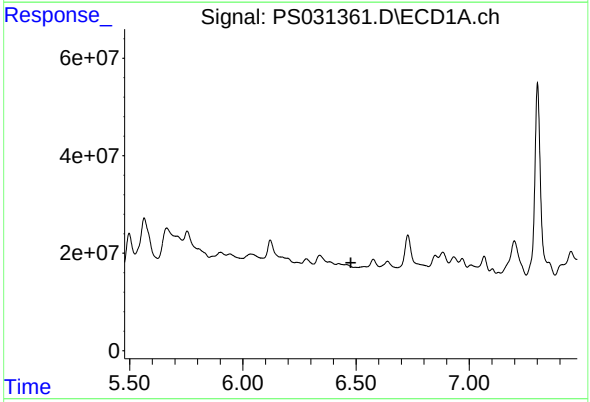
R.T.: 2.640 min
Delta R.T.: -0.047 min
Response: 1361388832
Conc: 282.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



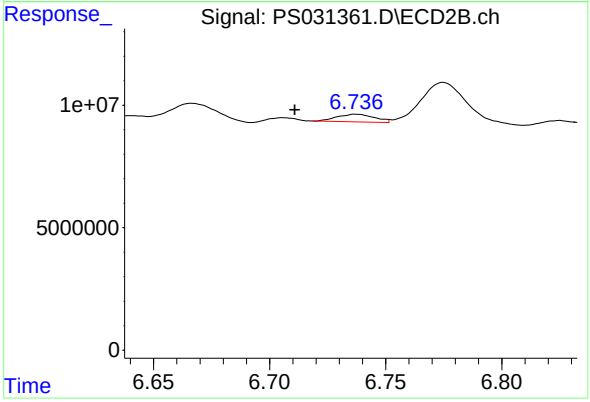
#1 Dalapon

R.T.: 2.681 min
Delta R.T.: -0.022 min
Response: 902750925
Conc: 367.54 ng/ml



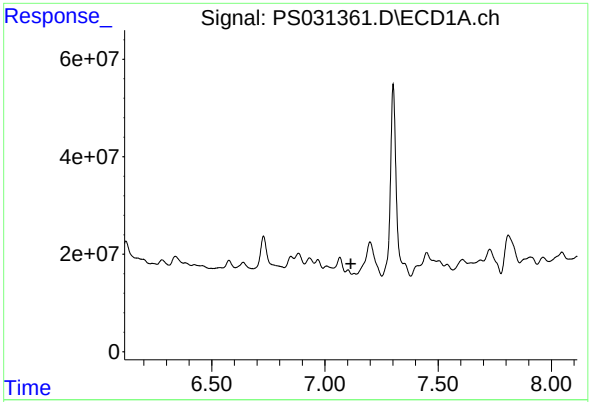
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.499 min
Delta R.T.: 0.022 min
Response: -2727445
Conc: N.D.



#2 3,5-DICHLOROBENZOIC ACID

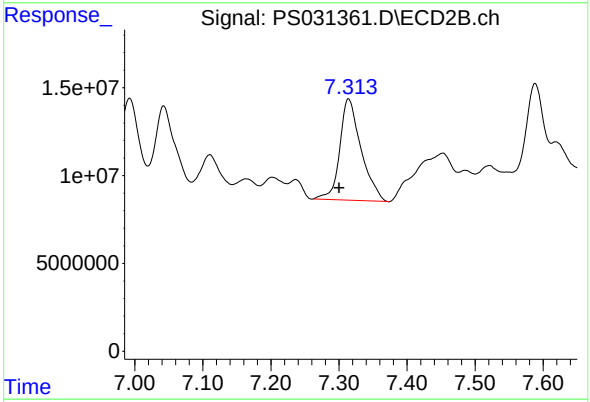
R.T.: 6.737 min
Delta R.T.: 0.026 min
Response: 3510951
Conc: 2.72 ng/ml



#3 4-Nitrophenol

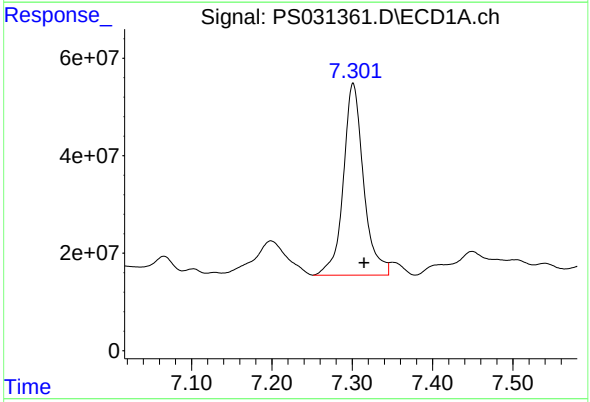
R.T.: 7.102 min
Delta R.T.: -0.012 min
Response: -7410857
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



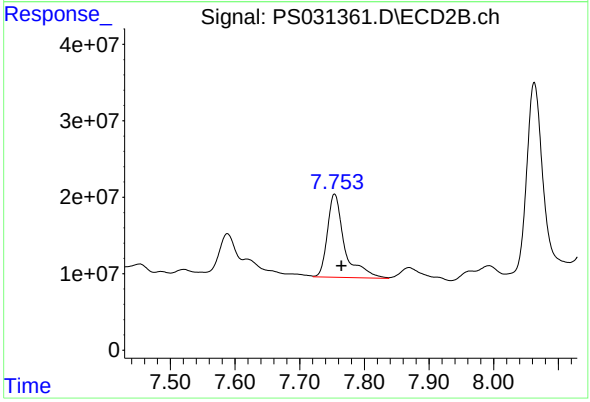
#3 4-Nitrophenol

R.T.: 7.314 min
Delta R.T.: 0.014 min
Response: 125628202
Conc: 97.32 ng/ml



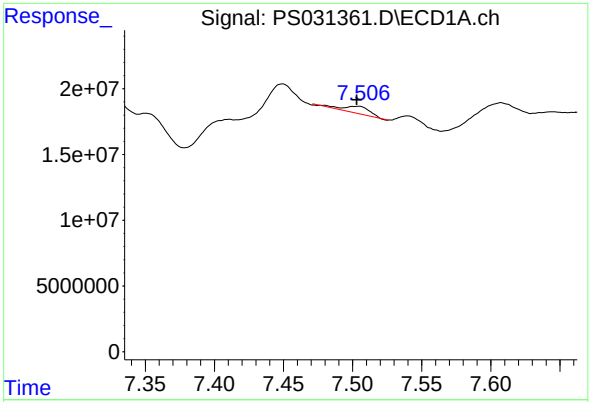
#4 2,4-DCAA

R.T.: 7.301 min
Delta R.T.: -0.014 min
Response: 687801941
Conc: 236.08 ng/ml



#4 2,4-DCAA

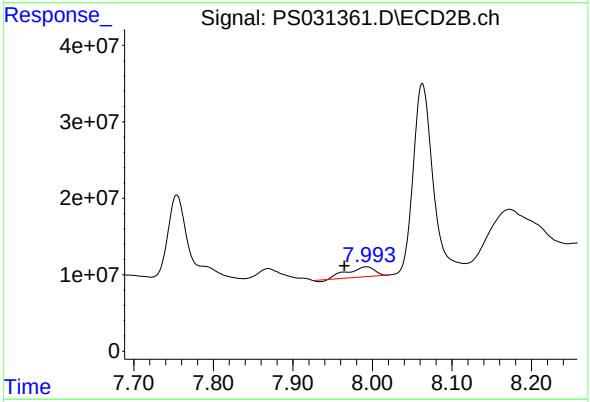
R.T.: 7.754 min
Delta R.T.: -0.010 min
Response: 199772217
Conc: 239.22 ng/ml



#5 DICAMBA

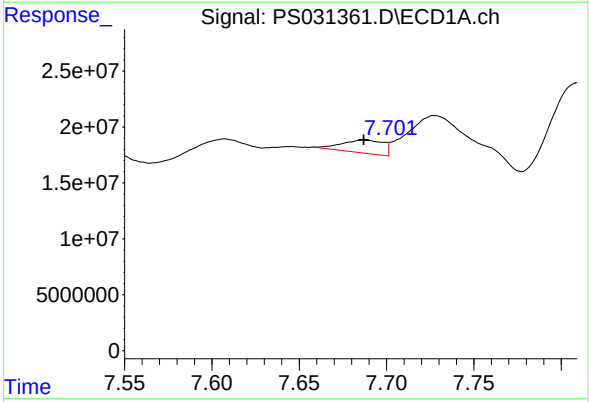
R.T.: 7.504 min
Delta R.T.: 0.001 min
Response: 7792958
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



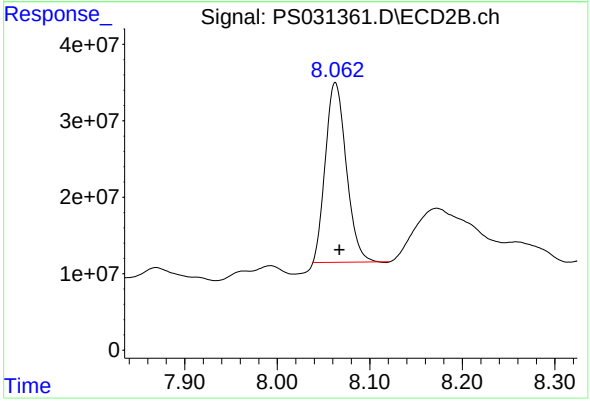
#5 DICAMBA

R.T.: 7.992 min
Delta R.T.: 0.028 min
Response: 31679524
Conc: 5.84 ng/ml



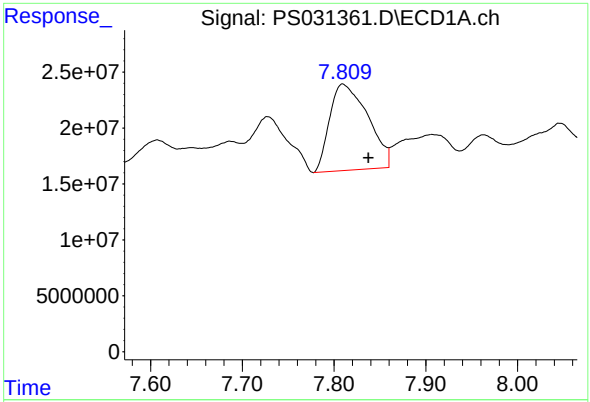
#6 MCPP

R.T.: 7.686 min
Delta R.T.: 0.000 min
Response: 19292803
Conc: 2.40 ug/ml



#6 MCPP

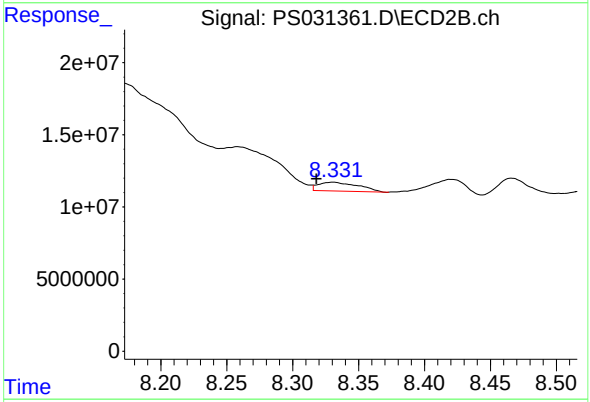
R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 368393997
Conc: 215.51 ug/ml



#7 MCPA

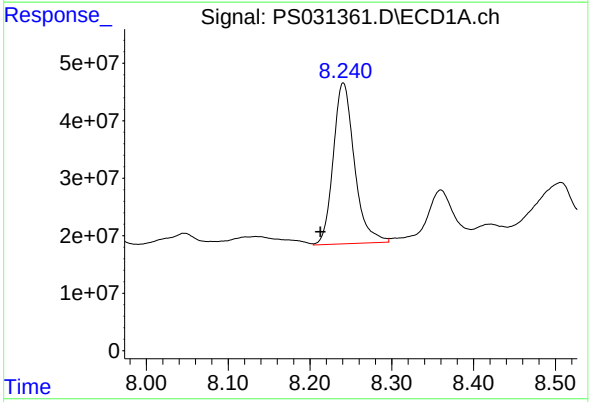
R.T.: 7.809 min
Delta R.T.: -0.028 min
Response: 223248554
Conc: 22.84 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



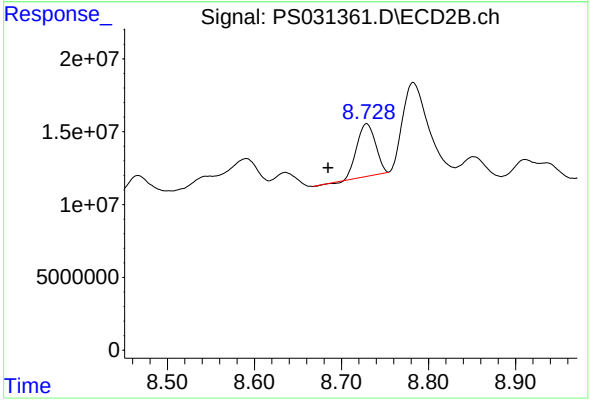
#7 MCPA

R.T.: 8.330 min
Delta R.T.: 0.012 min
Response: 12898731
Conc: 4.97 ug/ml



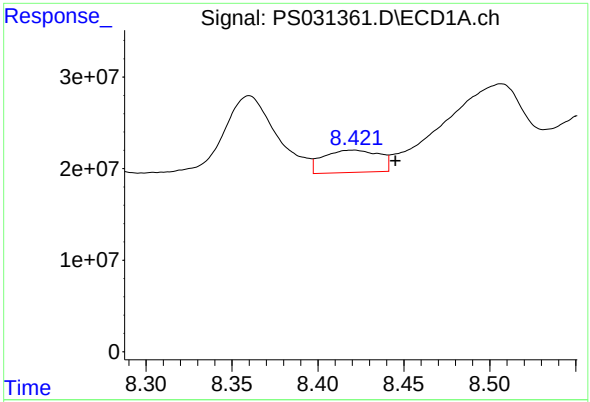
#8 DICHLORPROP

R.T.: 8.241 min
Delta R.T.: 0.028 min
Response: 502670337
Conc: 165.35 ng/ml



#8 DICHLORPROP

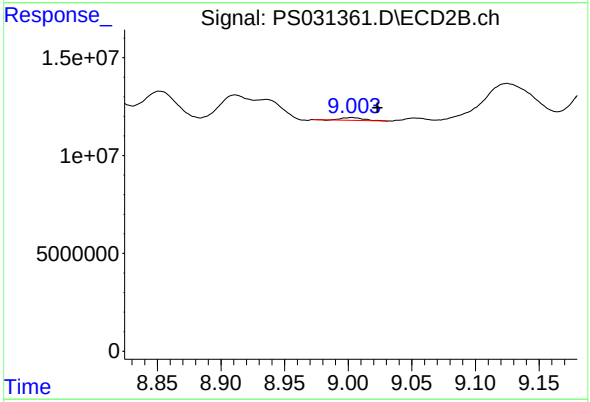
R.T.: 8.729 min
Delta R.T.: 0.044 min
Response: 53651813
Conc: 41.27 ng/ml



#9 2,4-D

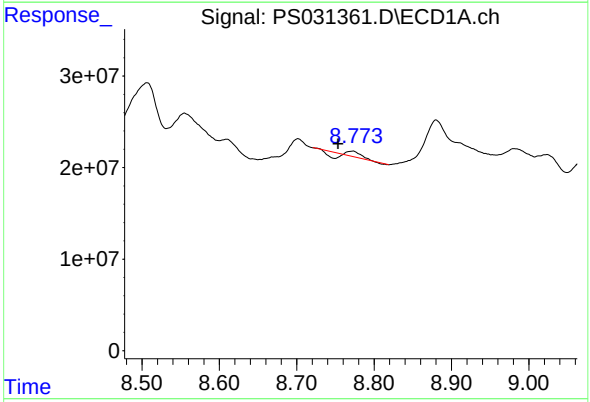
R.T.: 8.421 min
Delta R.T.: -0.024 min
Response: 55336647
Conc: 21.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



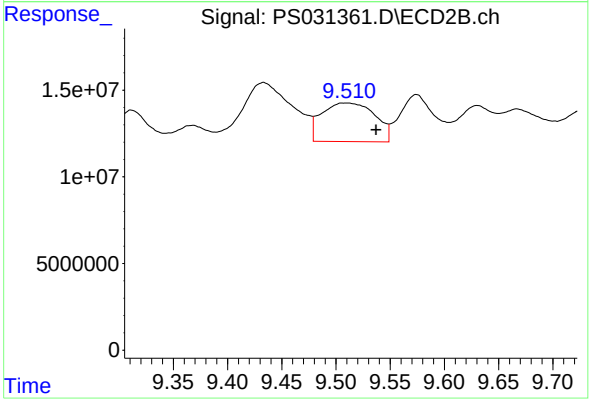
#9 2,4-D

R.T.: 9.002 min
Delta R.T.: -0.021 min
Response: 1707117
Conc: 1.22 ng/ml



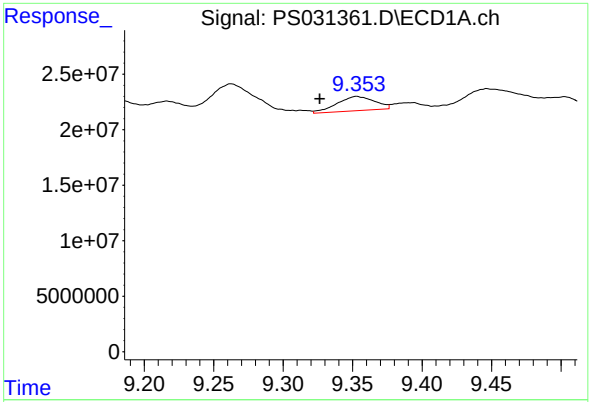
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.019 min
Response: 1160171
Conc: N.D.



#10 Pentachlorophenol

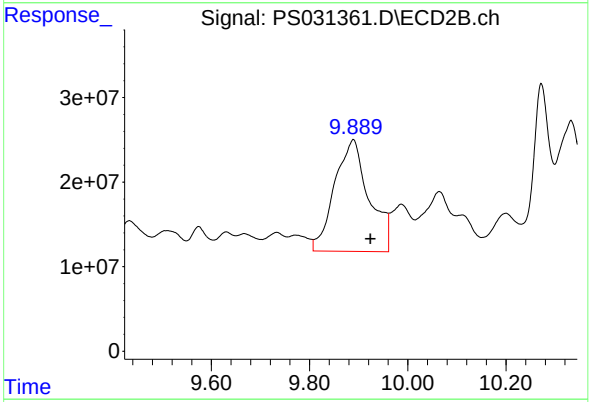
R.T.: 9.509 min
Delta R.T.: -0.028 min
Response: 75986779
Conc: 2.27 ng/ml



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

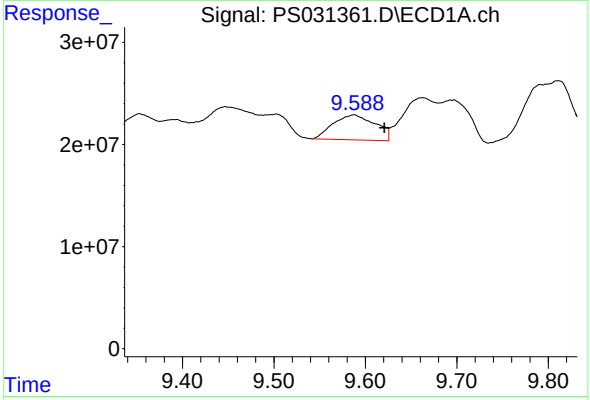
R.T.: 9.353 min
Delta R.T.: 0.027 min
Response: 24411758
Conc: 1.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



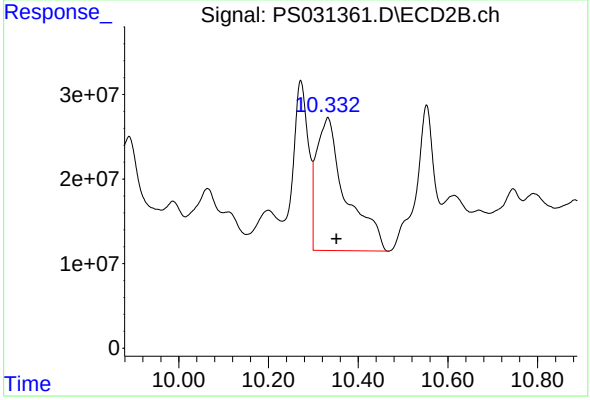
#11 2,4,5-TP (SILVEX)

R.T.: 9.889 min
Delta R.T.: -0.035 min
Response: 644405210
Conc: 50.73 ng/ml



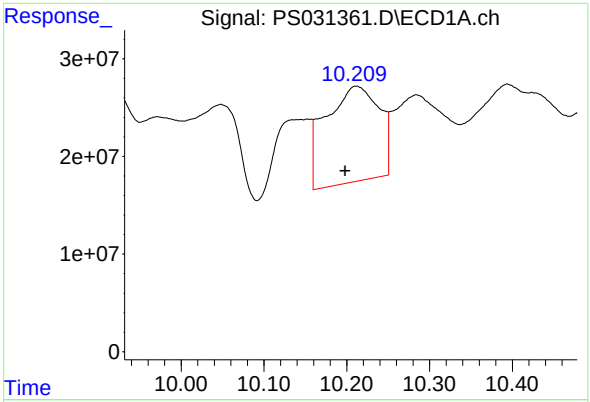
#12 2,4,5-T

R.T.: 9.588 min
Delta R.T.: -0.033 min
Response: 78823712
Conc: 5.93 ng/ml



#12 2,4,5-T

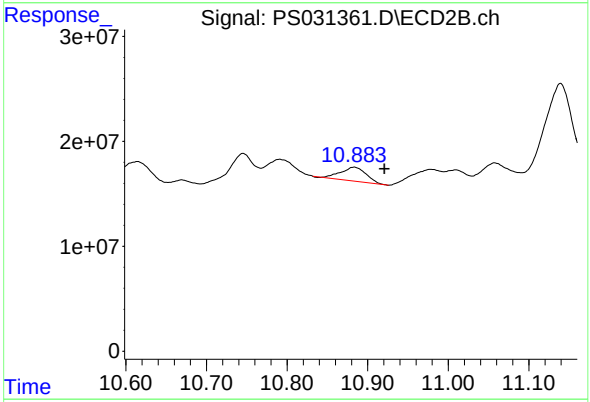
R.T.: 10.332 min
Delta R.T.: -0.019 min
Response: 717023371
Conc: 61.47 ng/ml



#13 2,4-DB

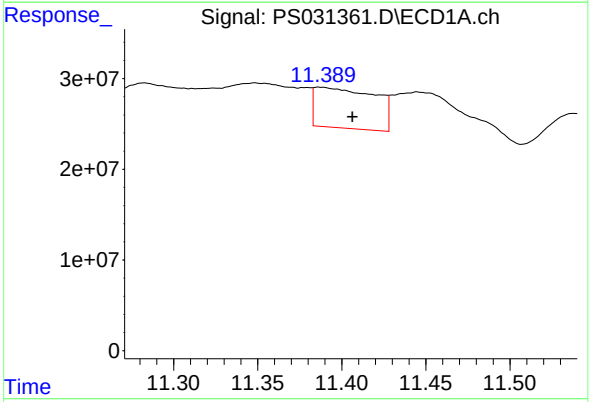
R.T.: 10.212 min
Delta R.T.: 0.014 min
Response: 439484210
Conc: 251.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



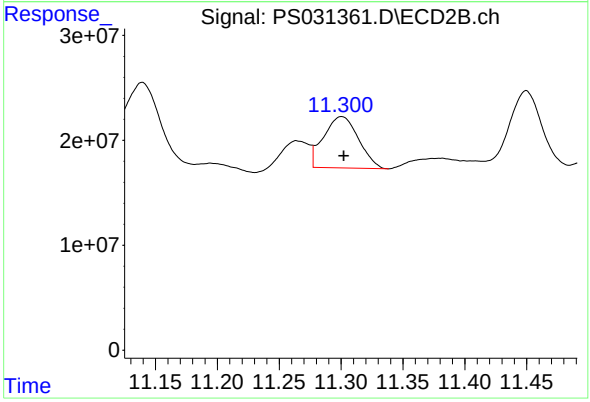
#13 2,4-DB

R.T.: 10.883 min
Delta R.T.: -0.038 min
Response: 28912355
Conc: 29.93 ng/ml



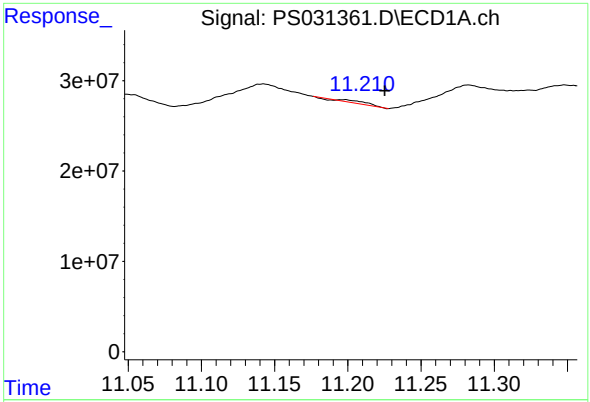
#14 DINOSEB

R.T.: 11.387 min
Delta R.T.: -0.020 min
Response: 110746979
Conc: 9.66 ng/ml



#14 DINOSEB

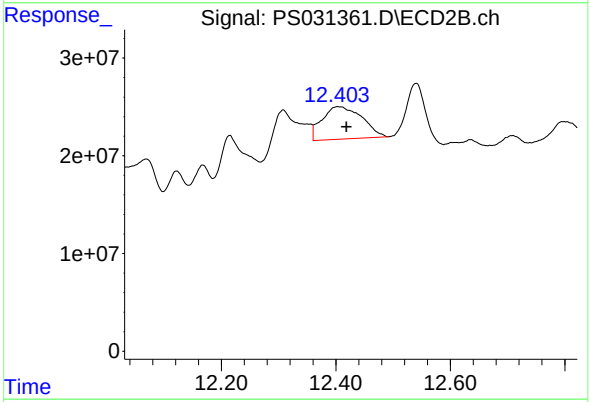
R.T.: 11.300 min
Delta R.T.: -0.002 min
Response: 96123304
Conc: 10.29 ng/ml



#15 Picloram

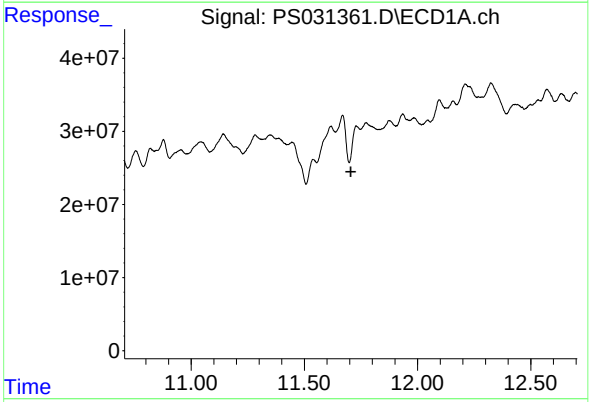
R.T.: 11.198 min
Delta R.T.: -0.028 min
Response: 2713666
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG4-073125



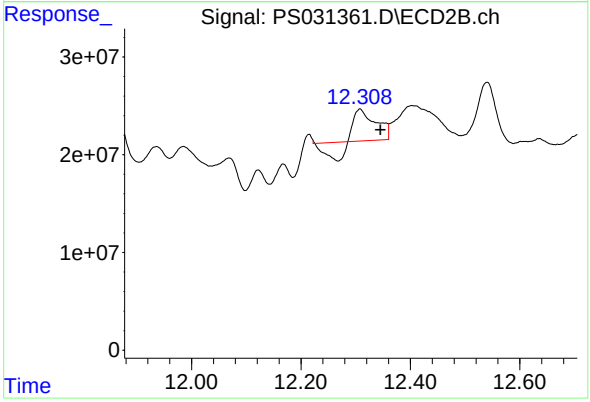
#15 Picloram

R.T.: 12.404 min
Delta R.T.: -0.015 min
Response: 160590650
Conc: 9.39 ng/ml



#16 DCPA

R.T.: 11.728 min
Delta R.T.: 0.023 min
Response: -78902766
Conc: N.D.



#16 DCPA

R.T.: 12.308 min
Delta R.T.: -0.038 min
Response: 54324928
Conc: 2.91 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 19:48
Operator : AR\AJ
Sample : Q2747-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:48:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.301	7.754	440.1E6	164.9E6	151.046	197.412	#
	Target Compounds							
1) T	Dalapon	2.642f	2.679	1208.2E6	882.9E6	250.420	359.463	#
3) T	4-Nitroph...	7.128	7.315	-2775910	90271993	N.D.	69.929	
5) T	DICAMBA	7.493	7.969	15565795	2144698	1.205	<MDL	#
6) T	MCPP	7.729f	8.065	96074838	183.3E6	11.946	107.257	#
7) T	MCPA	7.827	8.282f	65948164	49331790	6.746	19.018	#
8) T	DICHLORPROP	8.240f	8.731f	270.3E6	44130464	88.907	33.945	#
9) T	2,4-D	8.418f	9.054f	29004000	-10130013	11.184	N.D.	#
10) T	Pentachlo...	8.728f	9.525	44506669	60566158	<MDL	1.808	#
11) T	2,4,5-TP ...	9.358f	9.891f	31295243	536.0E6	1.878	42.198	#
12) T	2,4,5-T	9.657f	10.332	142.7E6	271.5E6	10.729	23.273	#
13) T	2,4-DB	10.214	0.000	150.5E6	0	86.132	N.D.	#
14) T	DINOSEB	11.446f	11.300	44415299	49184179	3.874	5.266	#
15) T	Picloram	0.000	12.404	0	267.8E6	N.D.	15.665	
16) T	DCPA	11.723	12.307f	9254569	61835614	<MDL	3.315	#

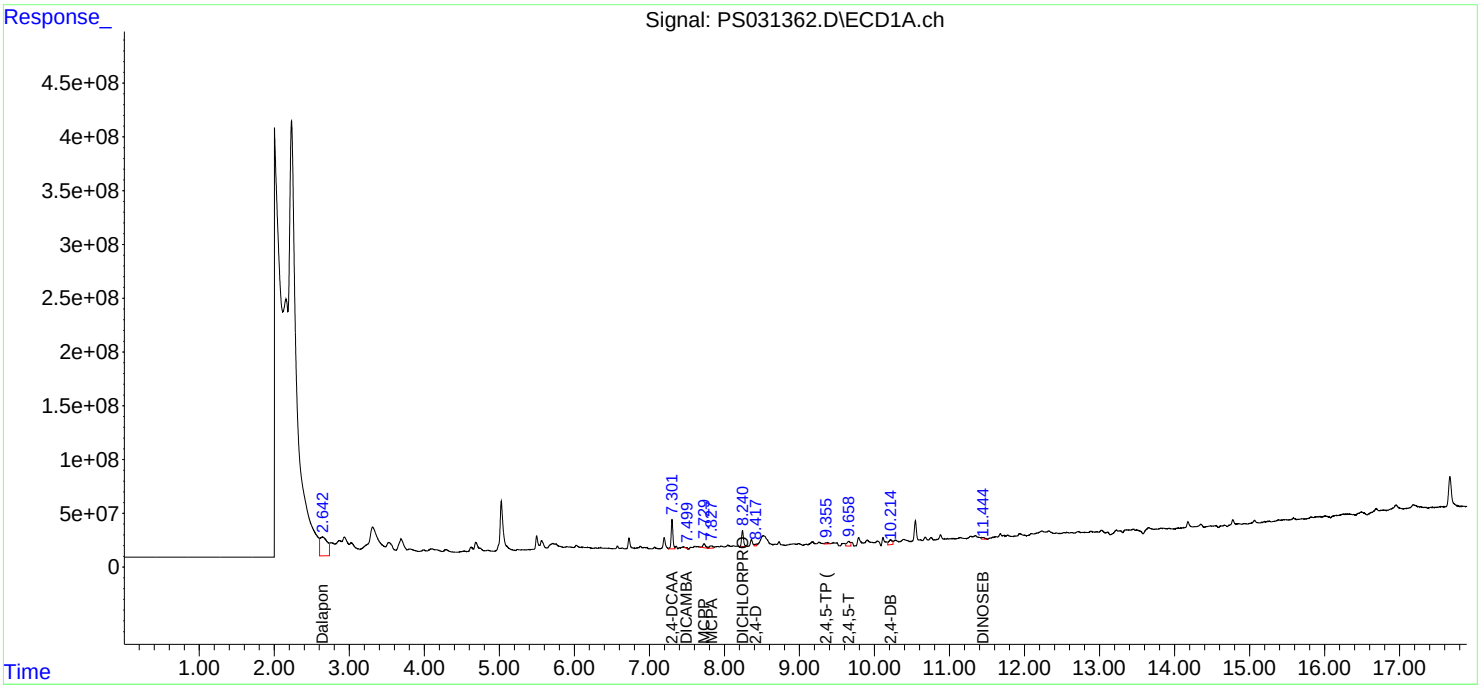
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

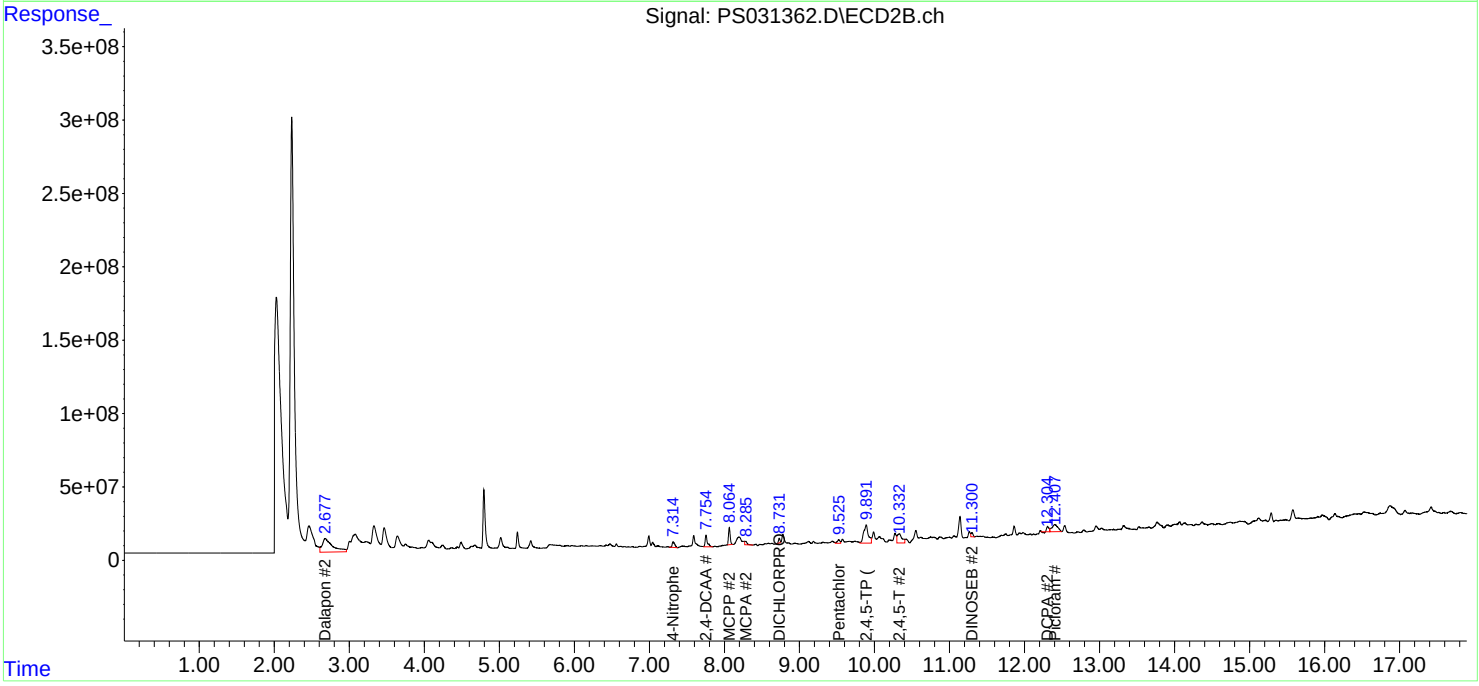
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 19:48
Operator : AR\AJ
Sample : Q2747-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

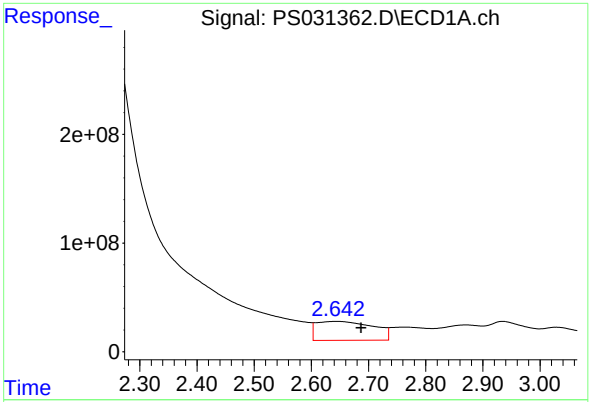
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:48:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



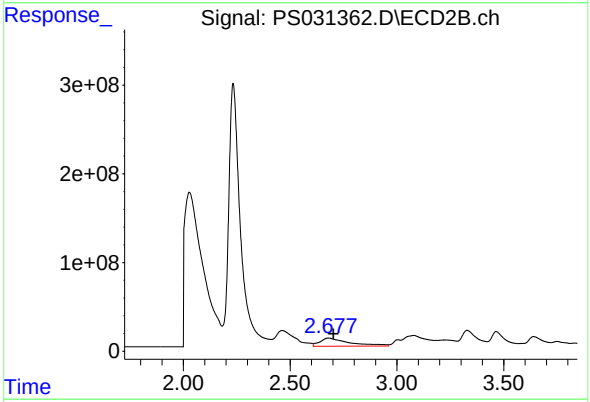




#1 Dalapon

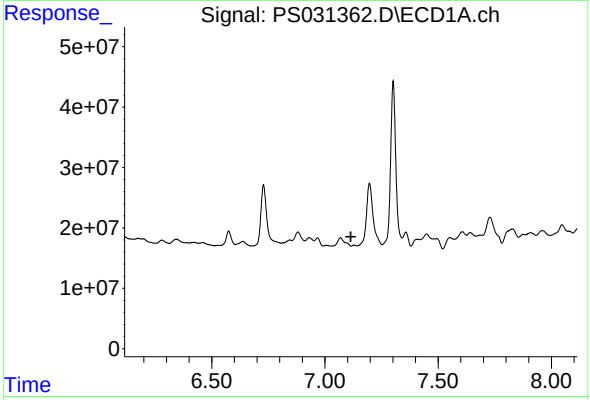
R.T.: 2.642 min
Delta R.T.: -0.045 min
Response: 1208166669
Conc: 250.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



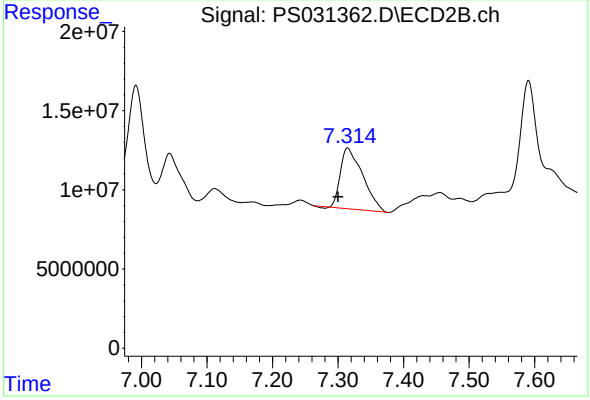
#1 Dalapon

R.T.: 2.679 min
Delta R.T.: -0.024 min
Response: 882908989
Conc: 359.46 ng/ml



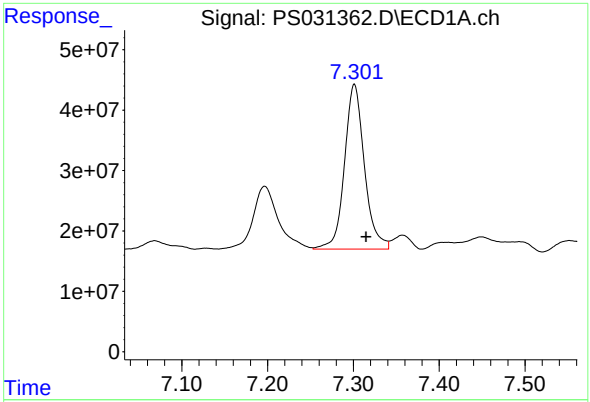
#3 4-Nitrophenol

R.T.: 7.128 min
Delta R.T.: 0.014 min
Response: -2775910
Conc: N.D.



#3 4-Nitrophenol

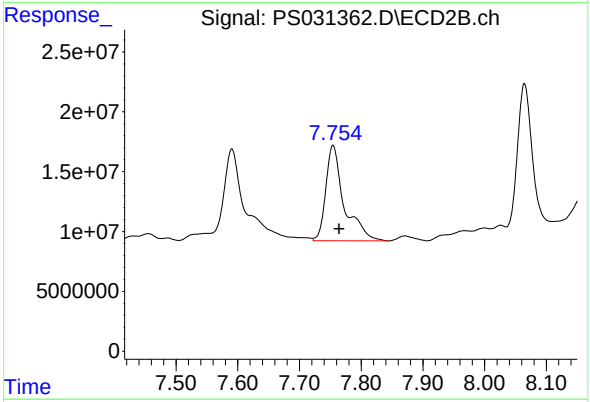
R.T.: 7.315 min
Delta R.T.: 0.015 min
Response: 90271993
Conc: 69.93 ng/ml



#4 2,4-DCAA

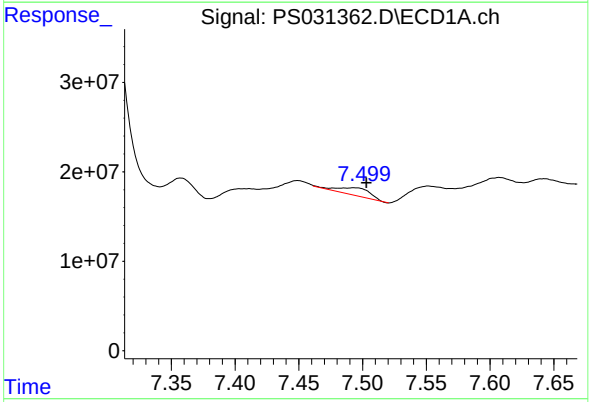
R.T.: 7.301 min
Delta R.T.: -0.013 min
Response: 440059042
Conc: 151.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



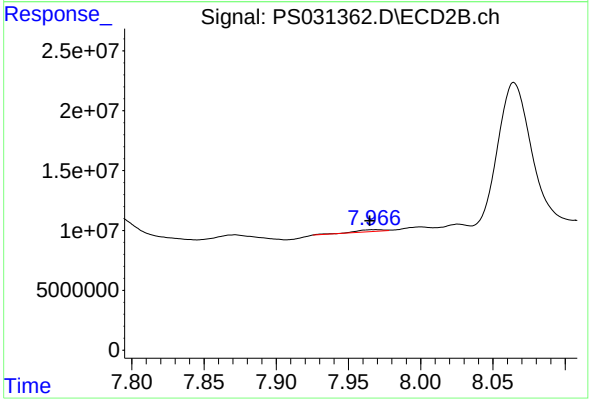
#4 2,4-DCAA

R.T.: 7.754 min
Delta R.T.: -0.010 min
Response: 164854657
Conc: 197.41 ng/ml



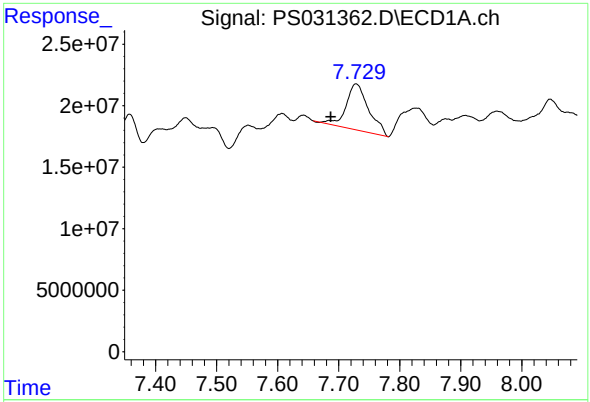
#5 DICAMBA

R.T.: 7.493 min
Delta R.T.: -0.010 min
Response: 15565795
Conc: 1.20 ng/ml



#5 DICAMBA

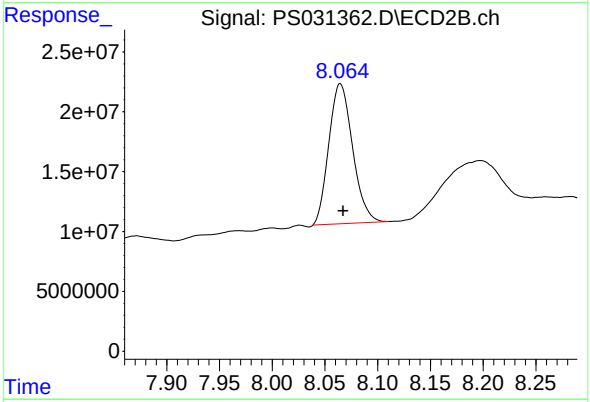
R.T.: 7.969 min
Delta R.T.: 0.004 min
Response: 2144698
Conc: N.D.



#6 MCPP

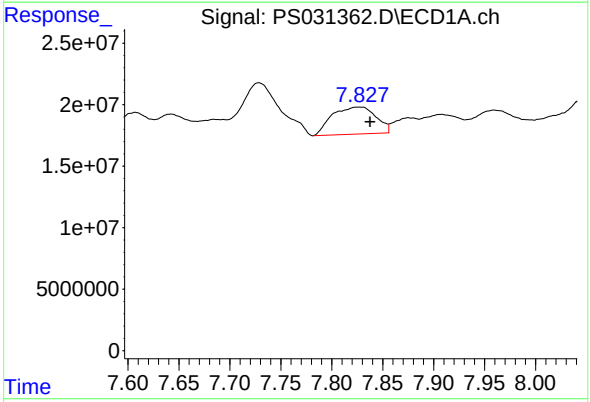
R.T.: 7.729 min
Delta R.T.: 0.042 min
Response: 96074838
Conc: 11.95 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



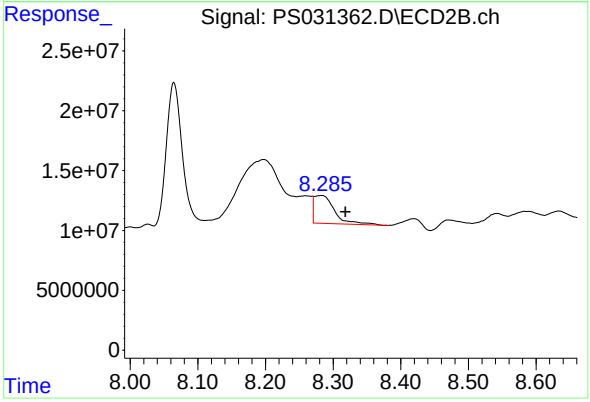
#6 MCPP

R.T.: 8.065 min
Delta R.T.: -0.003 min
Response: 183343542
Conc: 107.26 ug/ml



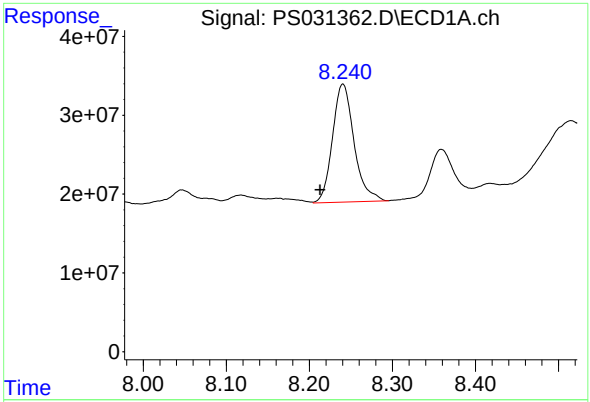
#7 MCPA

R.T.: 7.827 min
Delta R.T.: -0.011 min
Response: 65948164
Conc: 6.75 ug/ml



#7 MCPA

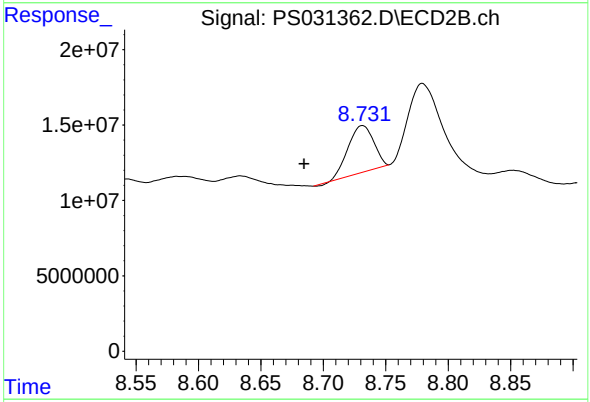
R.T.: 8.282 min
Delta R.T.: -0.036 min
Response: 49331790
Conc: 19.02 ug/ml



#8 DICHLORPROP

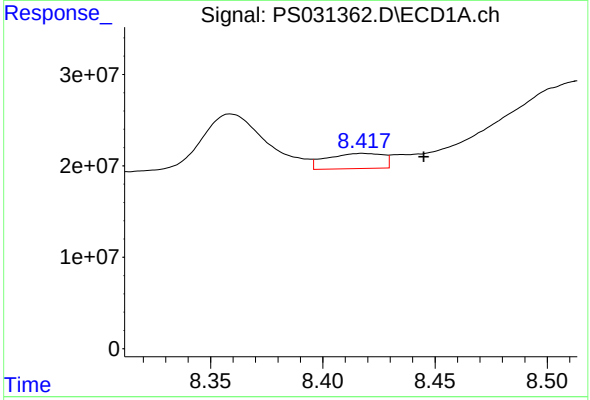
R.T.: 8.240 min
Delta R.T.: 0.028 min
Response: 270279034
Conc: 88.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



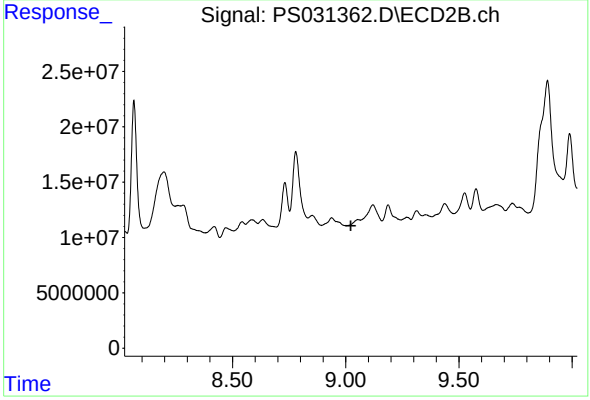
#8 DICHLORPROP

R.T.: 8.731 min
Delta R.T.: 0.047 min
Response: 44130464
Conc: 33.95 ng/ml



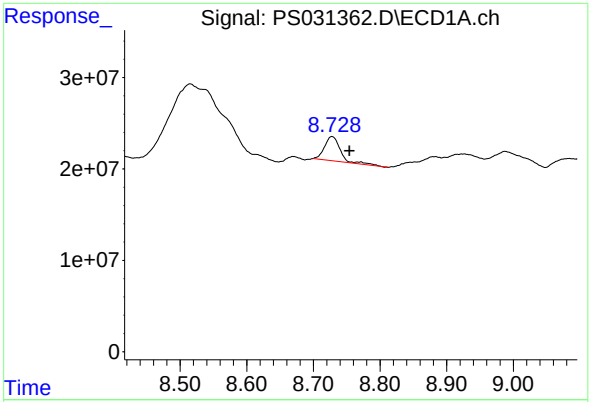
#9 2,4-D

R.T.: 8.418 min
Delta R.T.: -0.027 min
Response: 29004000
Conc: 11.18 ng/ml



#9 2,4-D

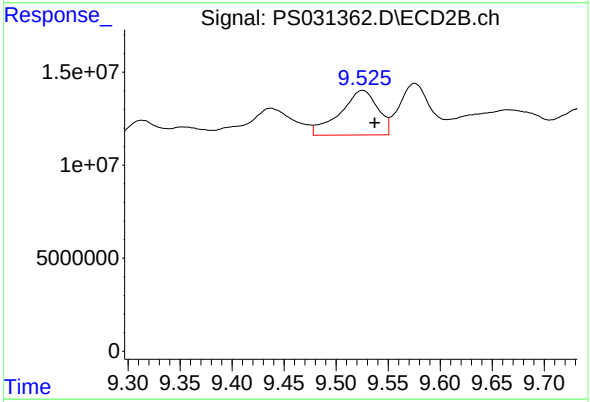
R.T.: 9.054 min
Delta R.T.: 0.031 min
Response: -10130013
Conc: N.D.



#10 Pentachlorophenol

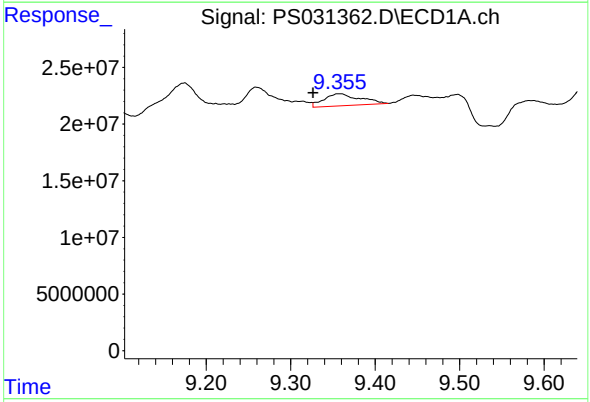
R.T.: 8.728 min
Delta R.T.: -0.026 min
Response: 44506669
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



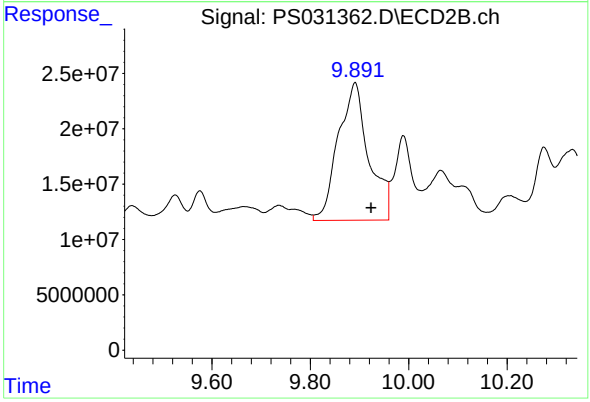
#10 Pentachlorophenol

R.T.: 9.525 min
Delta R.T.: -0.012 min
Response: 60566158
Conc: 1.81 ng/ml



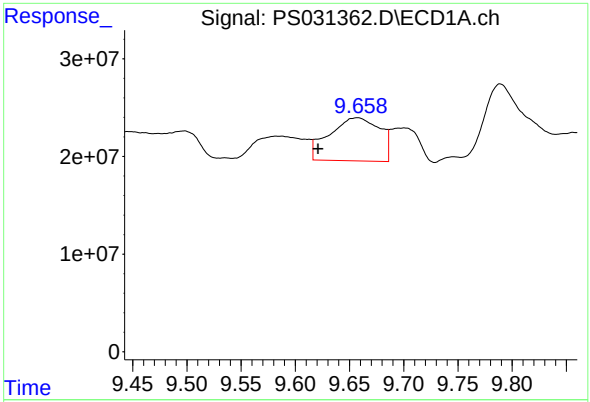
#11 2,4,5-TP (SILVEX)

R.T.: 9.358 min
Delta R.T.: 0.031 min
Response: 31295243
Conc: 1.88 ng/ml



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

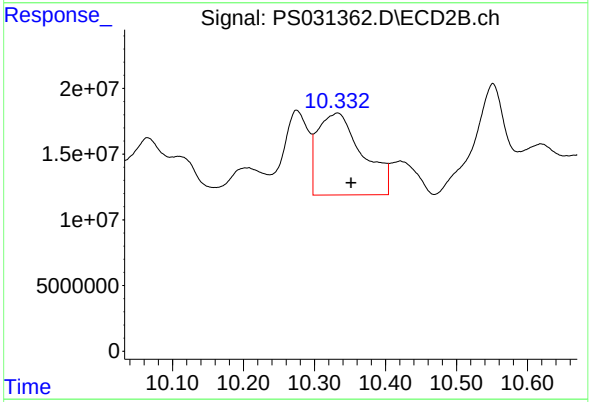
R.T.: 9.891 min
Delta R.T.: -0.033 min
Response: 536038387
Conc: 42.20 ng/ml



#12 2,4,5-T

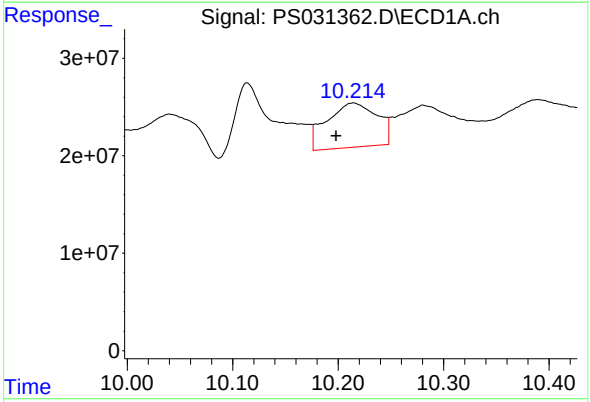
R.T.: 9.657 min
Delta R.T.: 0.036 min
Response: 142702083
Conc: 10.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



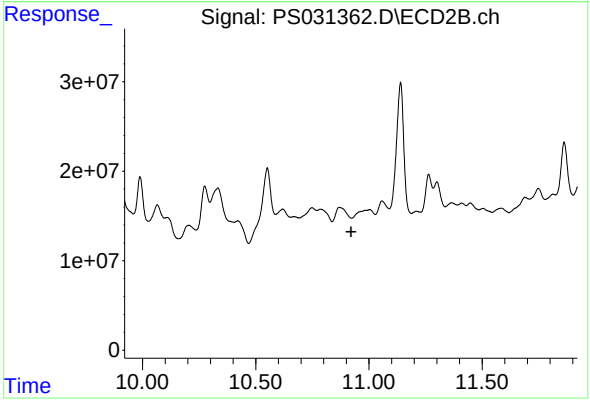
#12 2,4,5-T

R.T.: 10.332 min
Delta R.T.: -0.019 min
Response: 271475469
Conc: 23.27 ng/ml



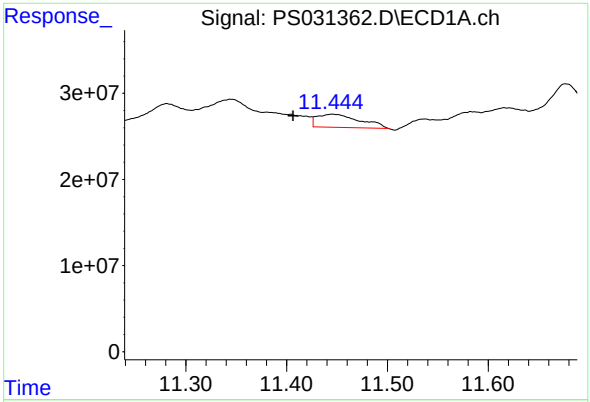
#13 2,4-DB

R.T.: 10.214 min
Delta R.T.: 0.016 min
Response: 150495183
Conc: 86.13 ng/ml



#13 2,4-DB

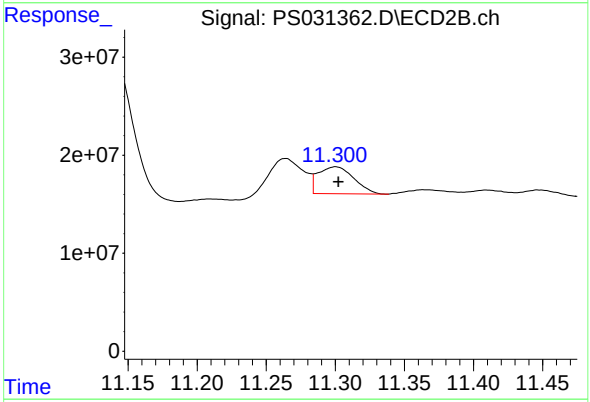
R.T.: 0.000 min
Exp R.T. : 10.921 min
Response: 0
Conc: N.D.



#14 DINOSEB

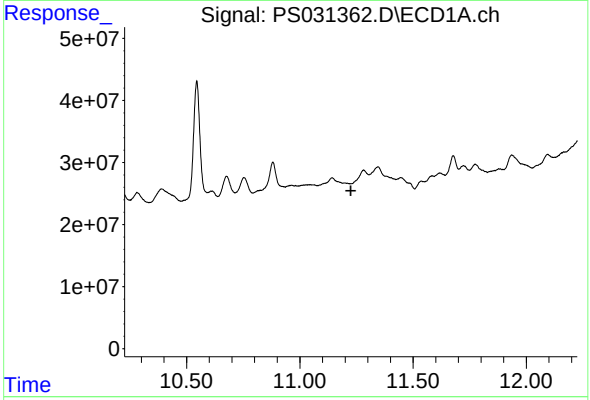
R.T.: 11.446 min
Delta R.T.: 0.039 min
Response: 44415299
Conc: 3.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



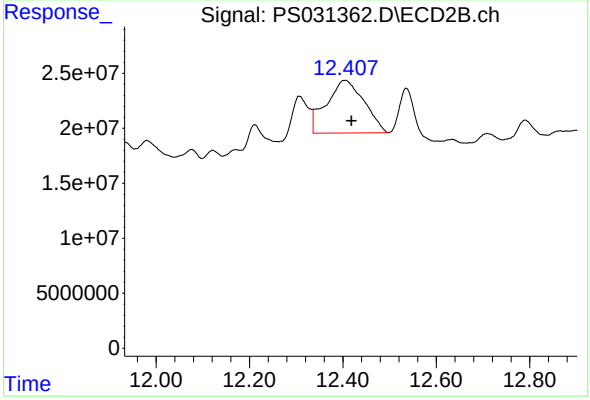
#14 DINOSEB

R.T.: 11.300 min
Delta R.T.: -0.002 min
Response: 49184179
Conc: 5.27 ng/ml



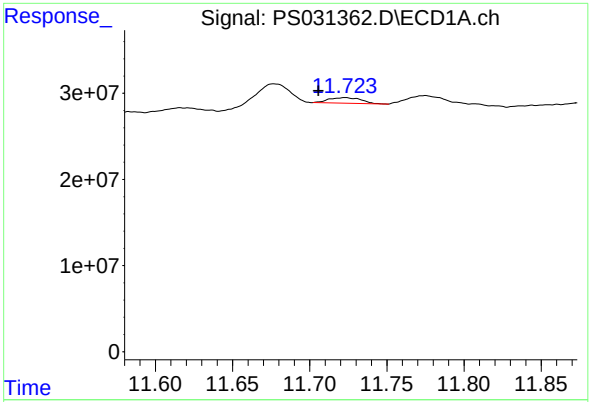
#15 Picloram

R.T.: 0.000 min
Exp R.T. : 11.225 min
Response: 0
Conc: N.D.



#15 Picloram

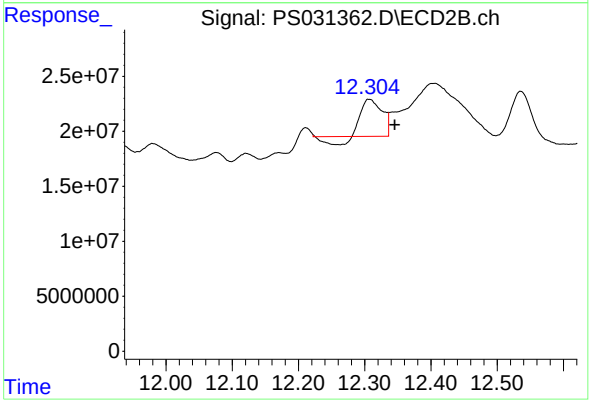
R.T.: 12.404 min
Delta R.T.: -0.014 min
Response: 267797361
Conc: 15.67 ng/ml



#16 DCPA

R.T.: 11.723 min
Delta R.T.: 0.017 min
Response: 9254569
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



#16 DCPA

R.T.: 12.307 min
Delta R.T.: -0.038 min
Response: 61835614
Conc: 3.32 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 21:01
Operator : AR\AJ
Sample : Q2753-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
289MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:48:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.300	7.753	1359.2E6	311.0E6	466.528	372.462
		Target Compounds						
1)	T	Dalapon	2.676	2.698	4032.1E6	1677.9E6	835.740	683.119
2)	T	3,5-DICHL...	6.465	6.704	574.4E6	339.5E6	134.739	262.694 #
3)	T	4-Nitroph...	7.103	7.299	152.9E6	209.7E6	150.200	162.405
5)	T	DICAMBA	7.487	7.953	3910.0E6	1550.9E6	302.616	286.103
7)	T	MCPA	7.814	8.297	232.5E6	42953141	23.784	16.559 #
8)	T	DICHLORPROP	8.196	8.672	823.5E6	355.9E6	270.903	273.723
9)	T	2,4-D	8.429	9.010	1084.5E6	485.7E6	418.181	348.057
10)	T	Pentachlo...	8.728	9.525	10998.7E6	7711.2E6	241.843	230.209
11)	T	2,4,5-TP ...	9.308	9.909	4256.2E6	2985.3E6	255.458	235.014
12)	T	2,4,5-T	9.602	10.338	4269.7E6	2868.9E6	321.010	245.946
13)	T	2,4-DB	10.180	10.906	1238.5E6	192.4E6	708.812	199.242 #
14)	T	DINOSEB	11.384	11.288	482.4E6	343.6E6	42.079	36.789
15)	T	Picloram	11.205	12.402	3629.3E6	5697.0E6	309.940	333.255
16)	T	DCPA	11.681	12.328	4033.7E6	6669.3E6	194.523	357.567 #

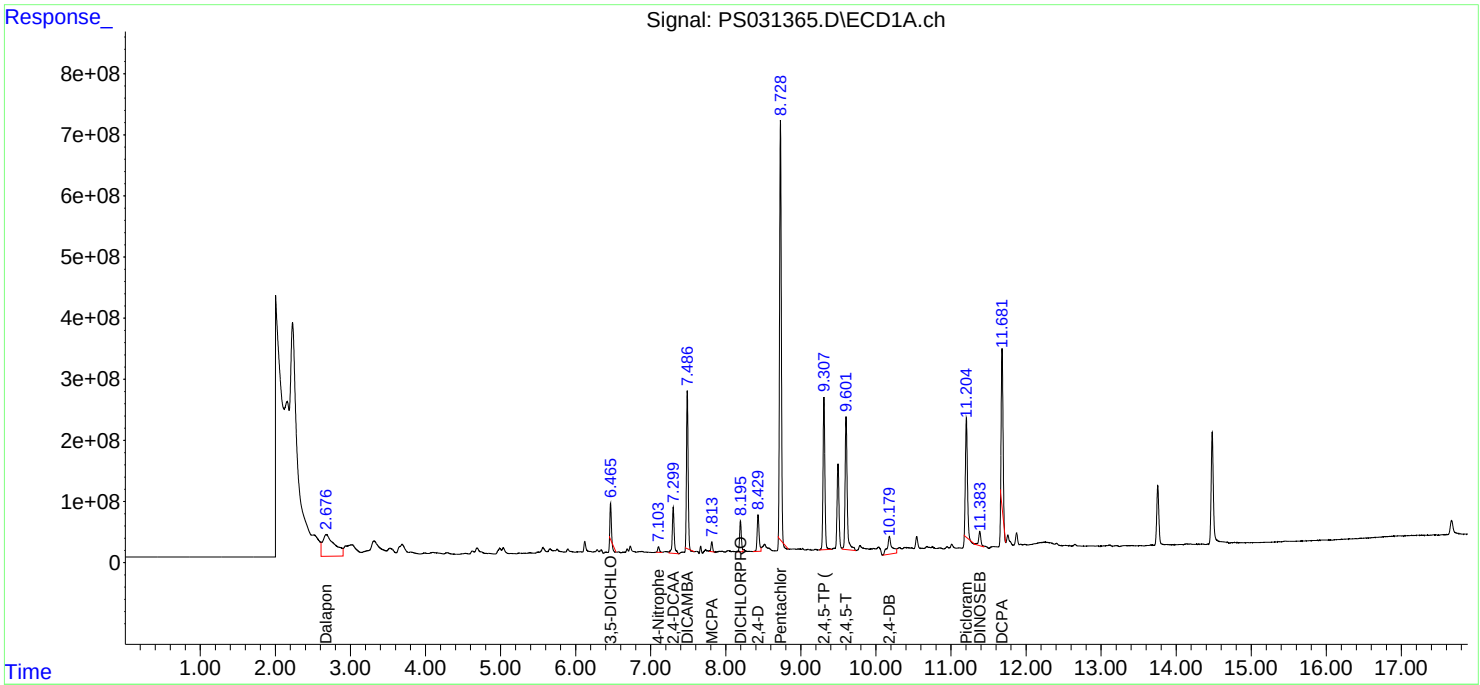
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

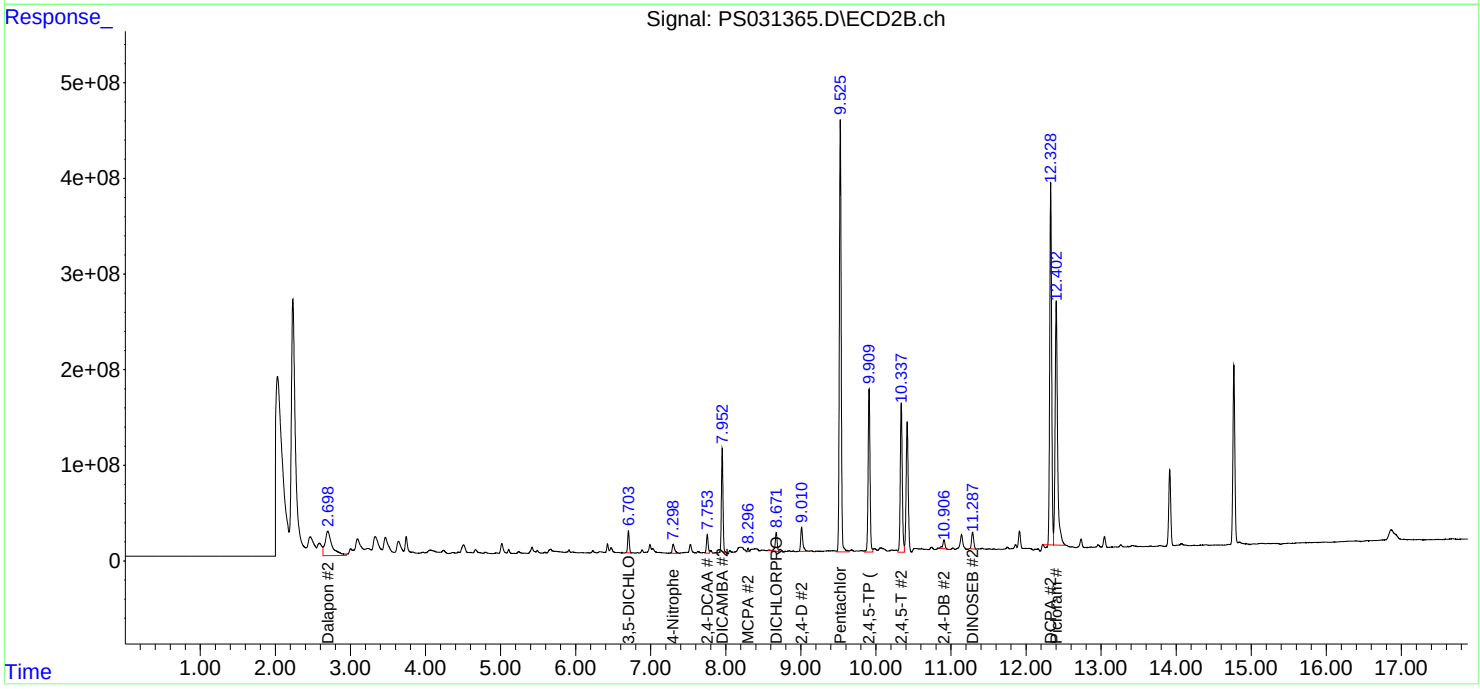
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 21:01
Operator : AR\AJ
Sample : Q2753-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

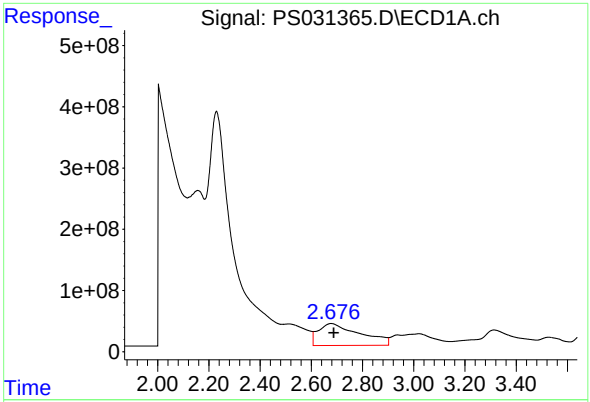
Instrument :
ECD_S
ClientSampleId :
289MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:48:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



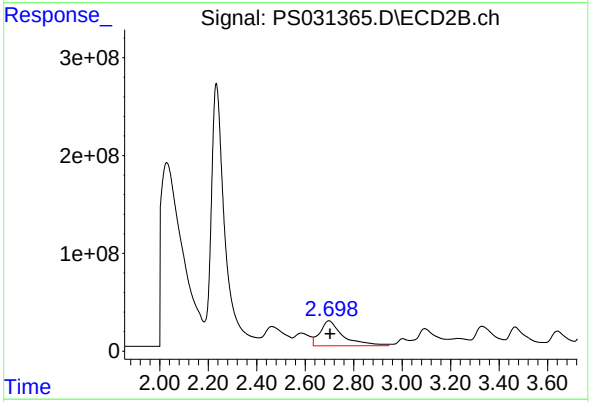




#1 Dalapon

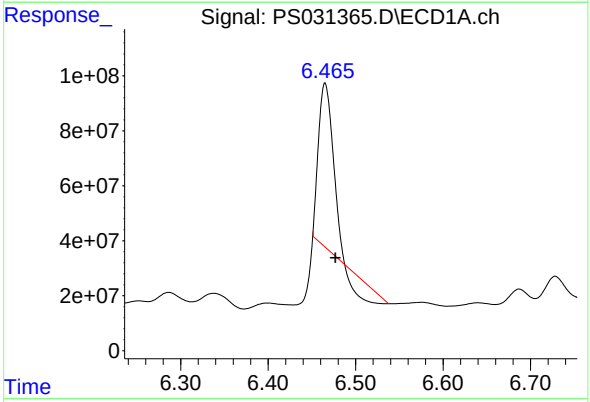
R.T.: 2.676 min
Delta R.T.: -0.011 min
Response: 4032079306
Conc: 835.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS



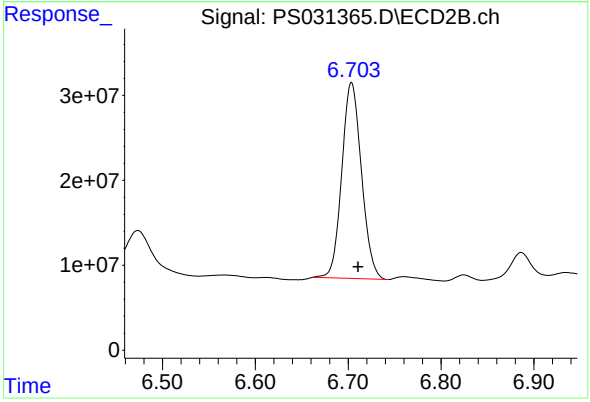
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: -0.005 min
Response: 1677866819
Conc: 683.12 ng/ml



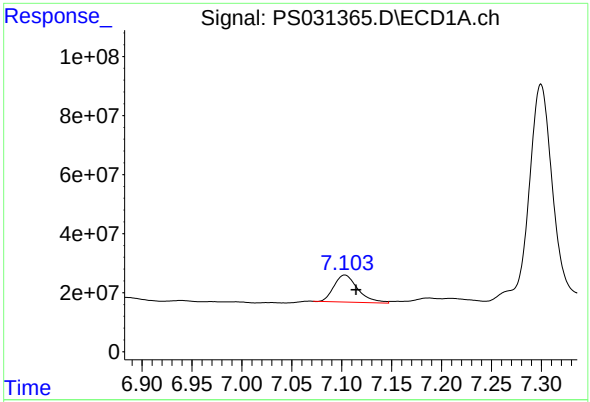
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.465 min
Delta R.T.: -0.012 min
Response: 574382836
Conc: 134.74 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

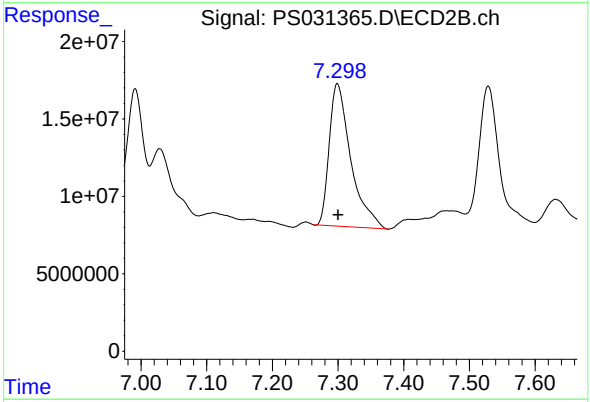
R.T.: 6.704 min
Delta R.T.: -0.007 min
Response: 339471944
Conc: 262.69 ng/ml



#3 4-Nitrophenol

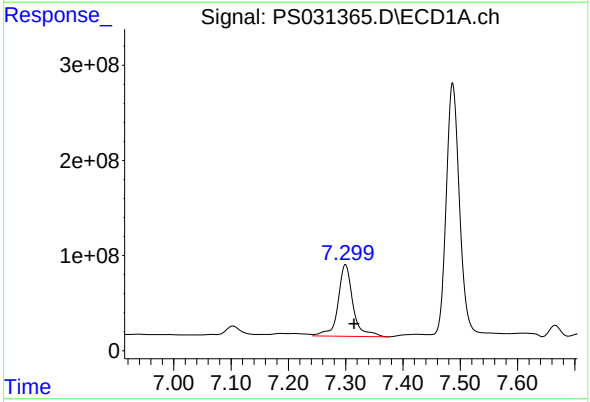
R.T.: 7.103 min
Delta R.T.: -0.011 min
Response: 152933460
Conc: 150.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS



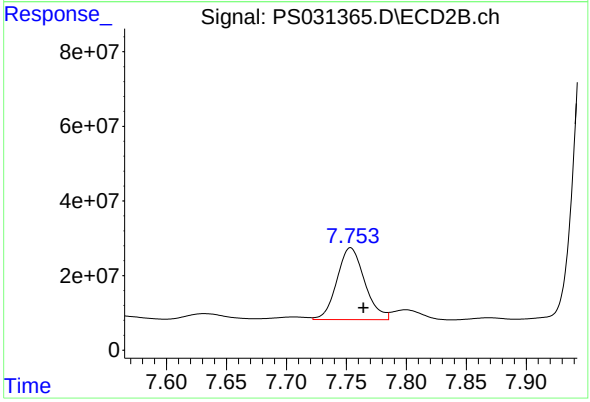
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 209650591
Conc: 162.41 ng/ml



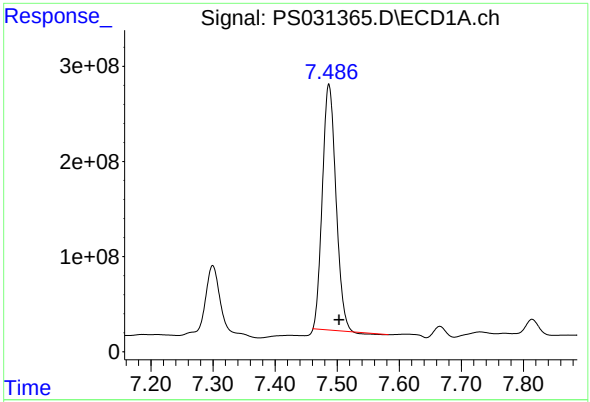
#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.015 min
Response: 1359184865
Conc: 466.53 ng/ml



#4 2,4-DCAA

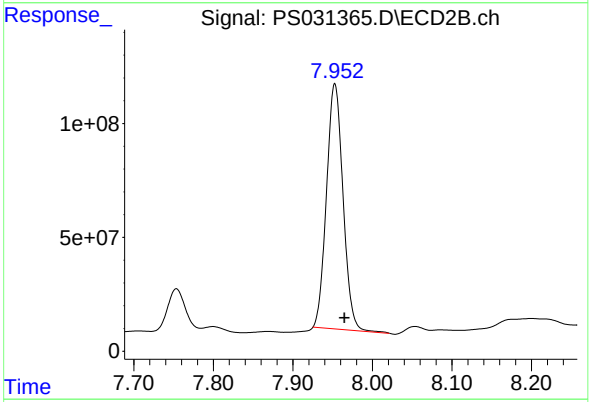
R.T.: 7.753 min
Delta R.T.: -0.011 min
Response: 311035931
Conc: 372.46 ng/ml



#5 DICAMBA

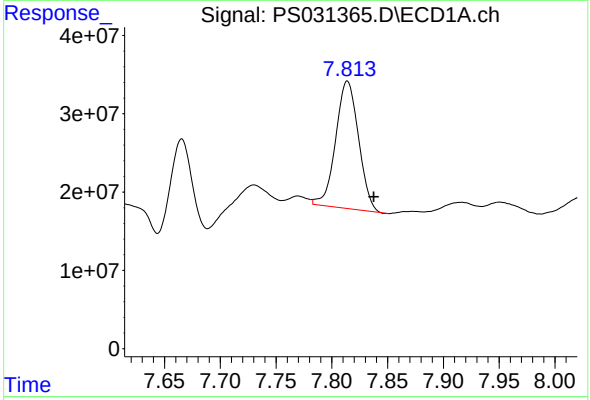
R.T.: 7.487 min
Delta R.T.: -0.016 min
Response: 3909977116
Conc: 302.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS



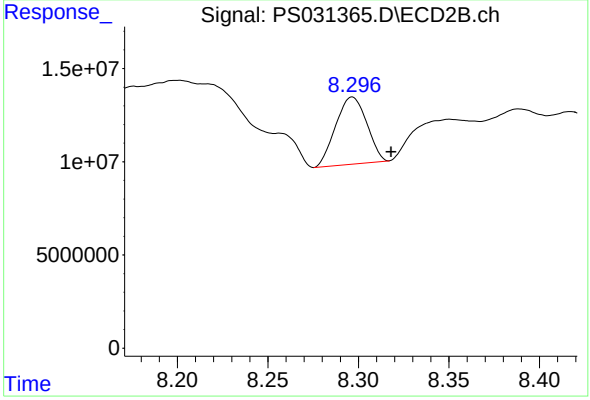
#5 DICAMBA

R.T.: 7.953 min
Delta R.T.: -0.012 min
Response: 1550921978
Conc: 286.10 ng/ml



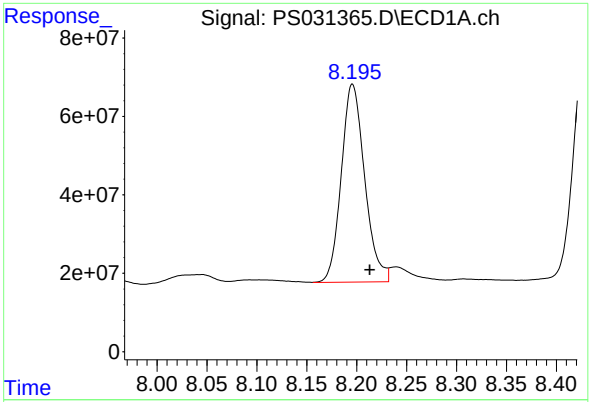
#7 MCPA

R.T.: 7.814 min
Delta R.T.: -0.023 min
Response: 232509351
Conc: 23.78 ug/ml



#7 MCPA

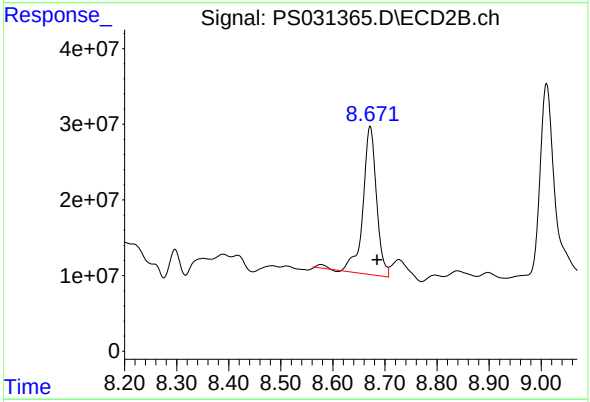
R.T.: 8.297 min
Delta R.T.: -0.021 min
Response: 42953141
Conc: 16.56 ug/ml



#8 DICHLORPROP

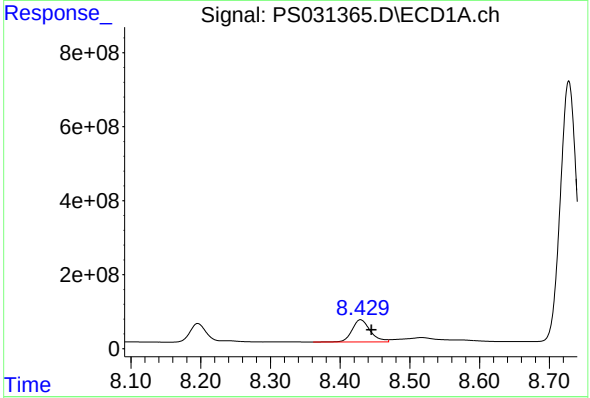
R.T.: 8.196 min
Delta R.T.: -0.017 min
Response: 823548512
Conc: 270.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS



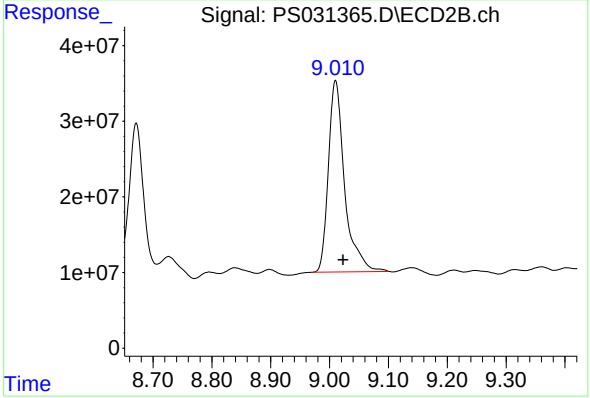
#8 DICHLORPROP

R.T.: 8.672 min
Delta R.T.: -0.013 min
Response: 355855489
Conc: 273.72 ng/ml



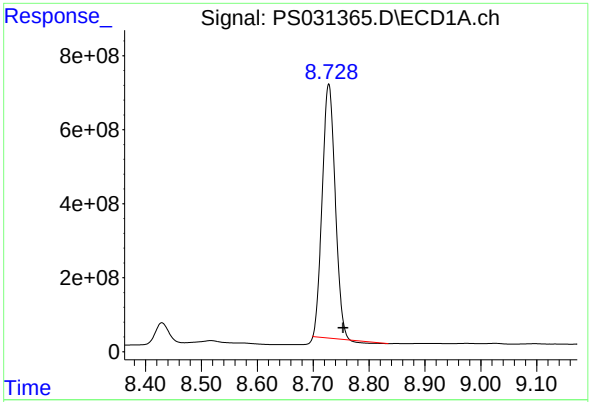
#9 2,4-D

R.T.: 8.429 min
Delta R.T.: -0.016 min
Response: 1084485638
Conc: 418.18 ng/ml



#9 2,4-D

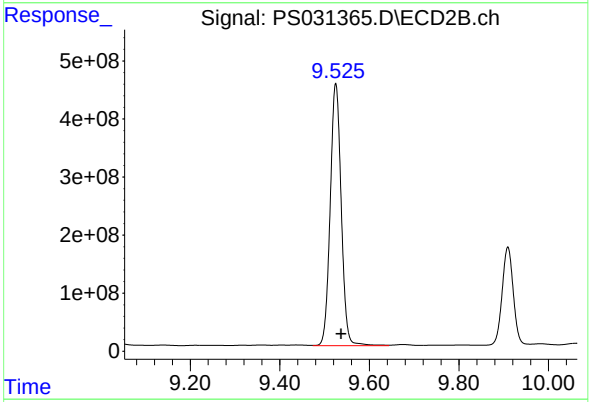
R.T.: 9.010 min
Delta R.T.: -0.013 min
Response: 485723938
Conc: 348.06 ng/ml



#10 Pentachlorophenol

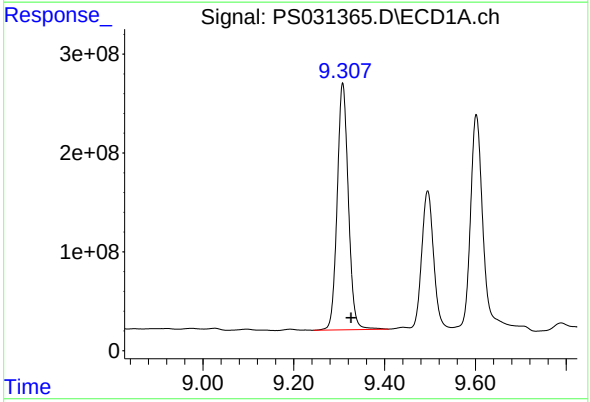
R.T.: 8.728 min
Delta R.T.: -0.026 min
Response: 10998705220
Conc: 241.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS



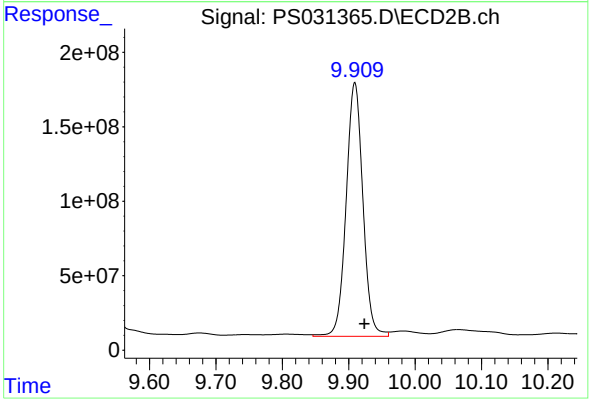
#10 Pentachlorophenol

R.T.: 9.525 min
Delta R.T.: -0.012 min
Response: 7711163903
Conc: 230.21 ng/ml



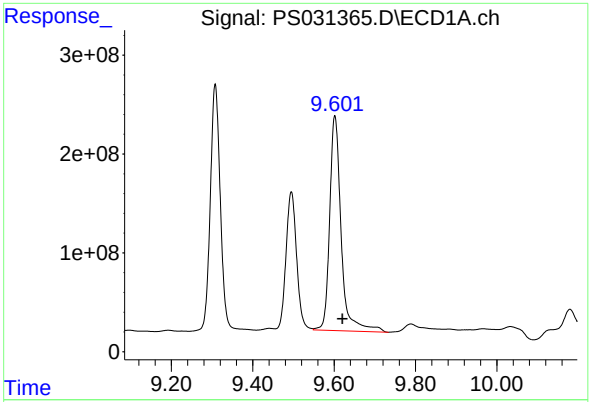
#11 2,4,5-TP (SILVEX)

R.T.: 9.308 min
Delta R.T.: -0.019 min
Response: 4256245618
Conc: 255.46 ng/ml



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

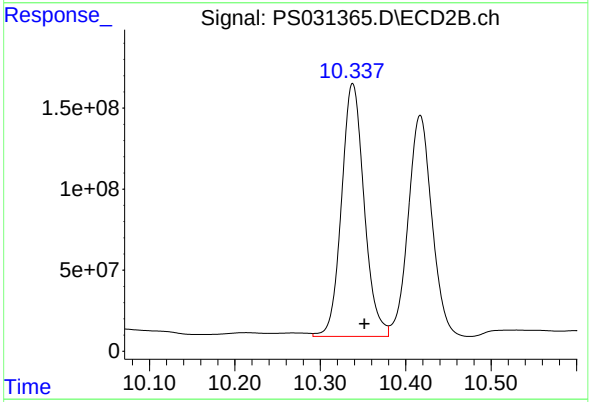
R.T.: 9.909 min
Delta R.T.: -0.015 min
Response: 2985335702
Conc: 235.01 ng/ml



#12 2,4,5-T

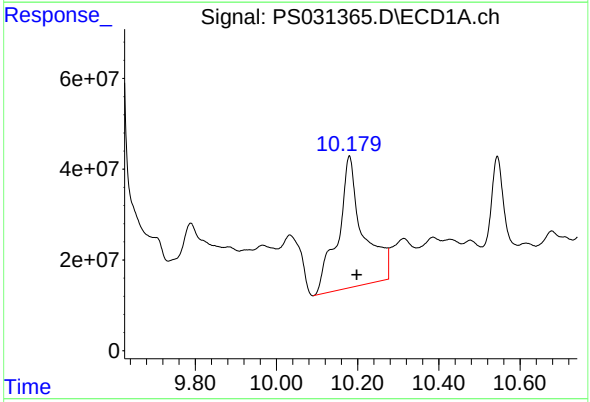
R.T.: 9.602 min
Delta R.T.: -0.019 min
Response: 4269667837
Conc: 321.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS



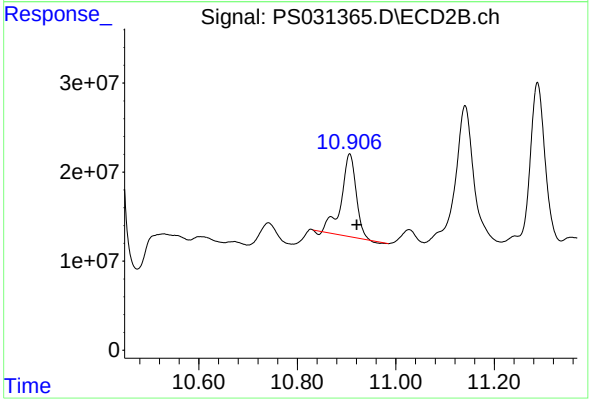
#12 2,4,5-T

R.T.: 10.338 min
Delta R.T.: -0.014 min
Response: 2868873394
Conc: 245.95 ng/ml



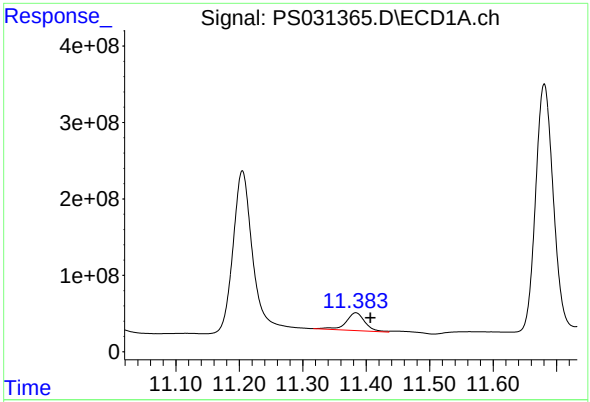
#13 2,4-DB

R.T.: 10.180 min
Delta R.T.: -0.018 min
Response: 1238474834
Conc: 708.81 ng/ml



#13 2,4-DB

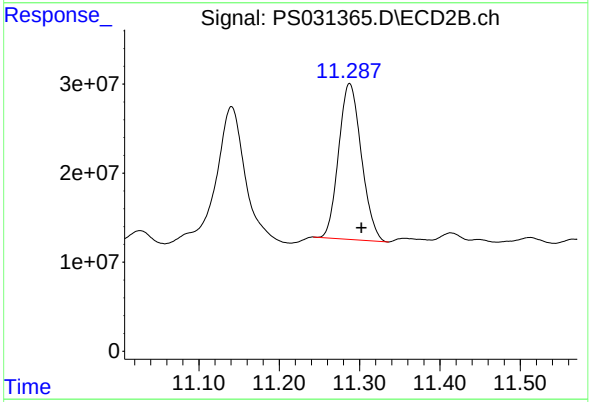
R.T.: 10.906 min
Delta R.T.: -0.015 min
Response: 192438859
Conc: 199.24 ng/ml



#14 DINOSEB

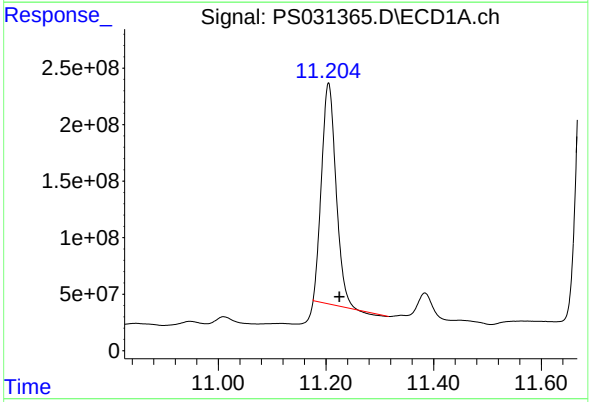
R.T.: 11.384 min
Delta R.T.: -0.023 min
Response: 482380093
Conc: 42.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS



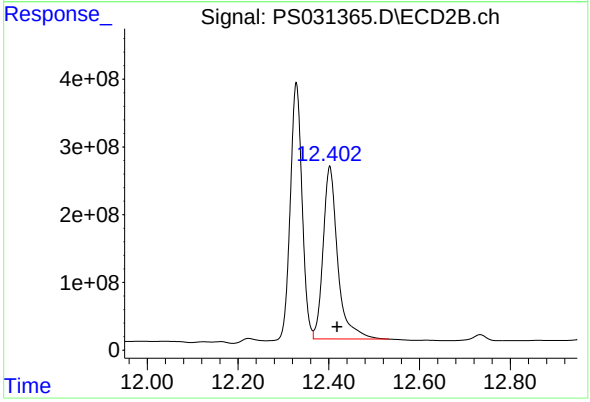
#14 DINOSEB

R.T.: 11.288 min
Delta R.T.: -0.015 min
Response: 343603886
Conc: 36.79 ng/ml



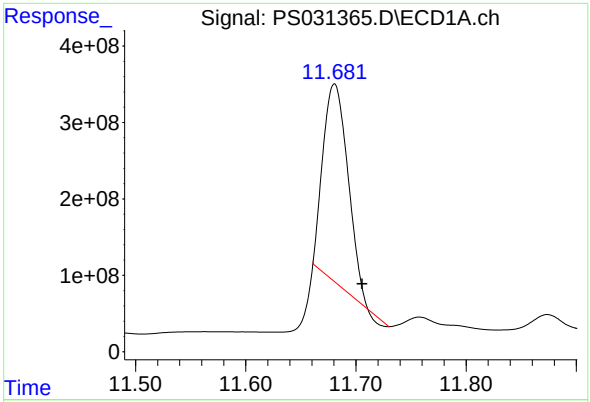
#15 Picloram

R.T.: 11.205 min
Delta R.T.: -0.020 min
Response: 3629281203
Conc: 309.94 ng/ml



#15 Picloram

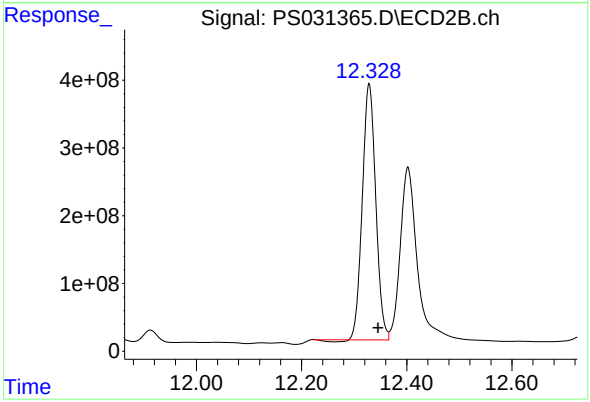
R.T.: 12.402 min
Delta R.T.: -0.016 min
Response: 5696976252
Conc: 333.26 ng/ml



#16 DCPA

R.T.: 11.681 min
Delta R.T.: -0.025 min
Response: 4033662829
Conc: 194.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MS



#16 DCPA

R.T.: 12.328 min
Delta R.T.: -0.017 min
Response: 6669251676
Conc: 357.57 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 21:25
Operator : AR\AJ
Sample : Q2753-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
289MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:49:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.300	7.753	1338.3E6	304.5E6	459.346	364.680	
		Target Compounds							
1)	T	Dalapon	2.677	2.696	3482.5E6	1621.5E6	721.826	660.186	
2)	T	3,5-DICHL...	6.466	6.704	591.4E6	332.5E6	138.722	257.325	#
3)	T	4-Nitroph...	7.104	7.300	133.7E6	182.8E6	131.308	141.604	
5)	T	DICAMBA	7.487	7.953	3867.0E6	1524.4E6	299.288	281.218	
7)	T	MCPA	7.814	8.296	219.9E6	42206143	22.498	16.271	#
8)	T	DICHLORPROP	8.196	8.671	810.1E6	347.5E6	266.467	267.261	
9)	T	2,4-D	8.430	9.011	1060.4E6	479.1E6	408.893	343.341	
10)	T	Pentachlo...	8.729	9.525	10931.1E6	7572.9E6	240.356	226.081	
11)	T	2,4,5-TP ...	9.308	9.909	4179.8E6	2930.6E6	250.871	230.708	
12)	T	2,4,5-T	9.602	10.338	4143.1E6	2809.3E6	311.497	240.840	
13)	T	2,4-DB	10.179	10.906	1201.6E6	172.4E6	687.703	178.467	#
14)	T	DINOSEB	11.383	11.288	488.5E6	337.5E6	42.612	36.131	
15)	T	Picloram	11.204	12.402	3415.9E6	5494.3E6	291.721	321.397	
16)	T	DCPA	11.680	12.329	3776.3E6	6608.0E6	182.113	354.282	#

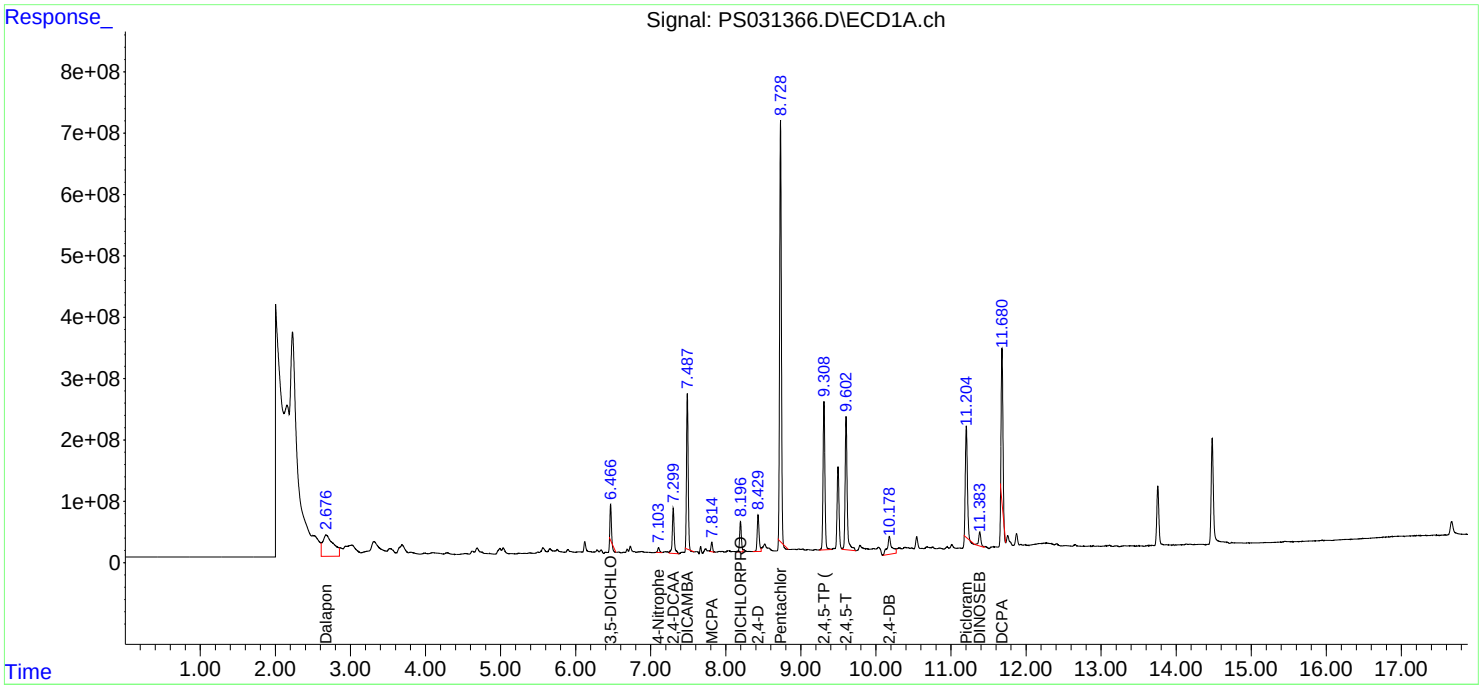
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

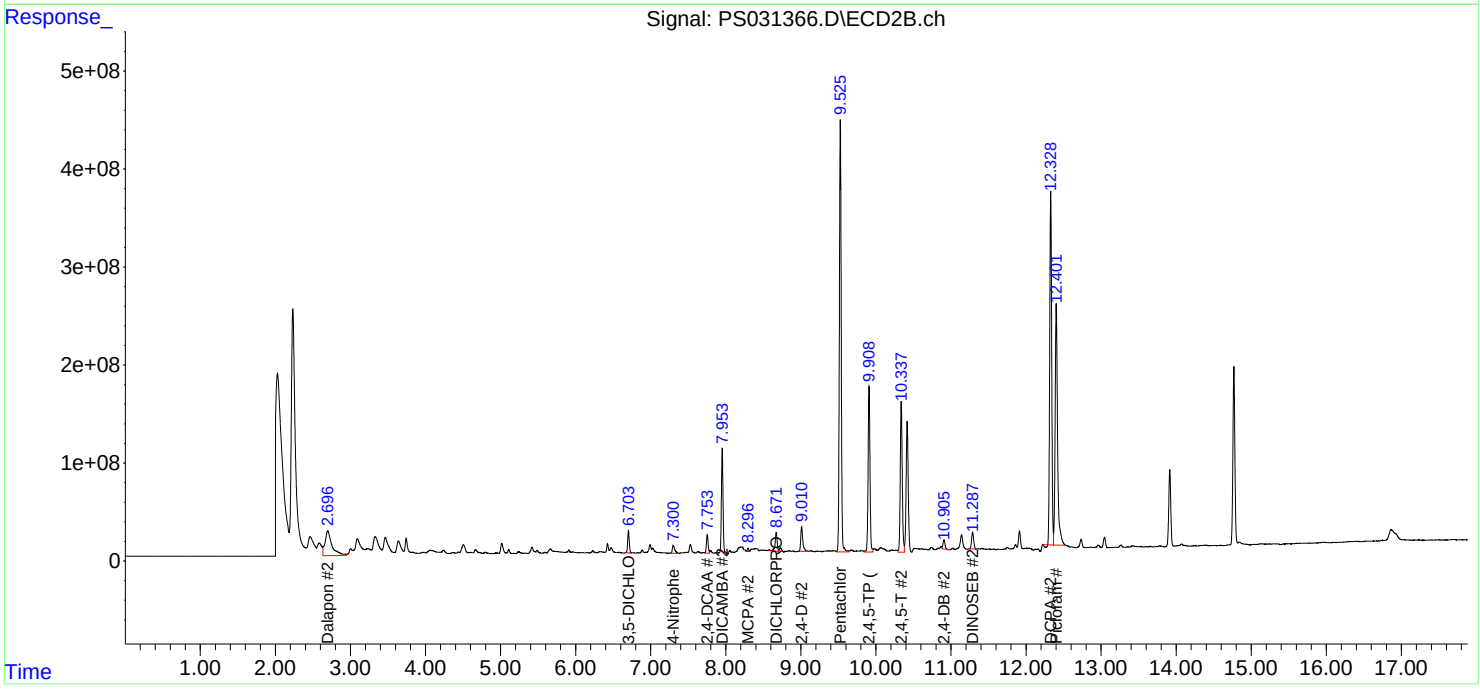
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 21:25
Operator : AR\AJ
Sample : Q2753-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

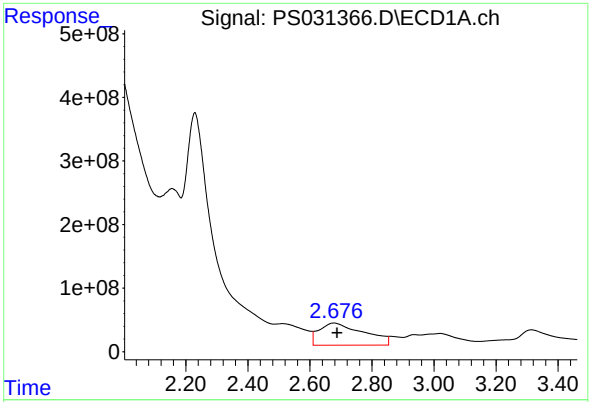
Instrument :
ECD_S
ClientSampleId :
289MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:49:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



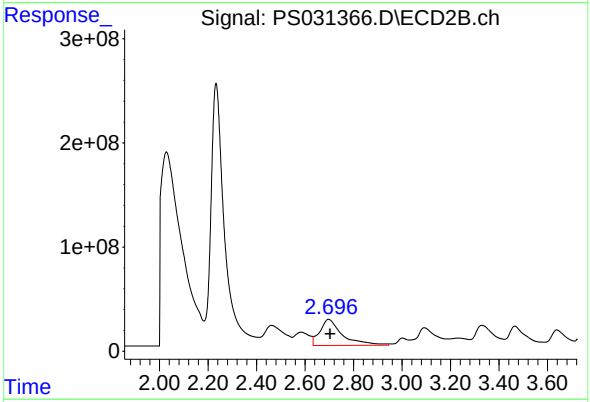




#1 Dalapon

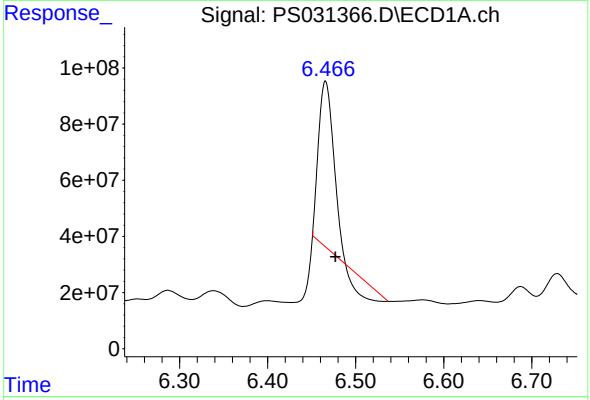
R.T.: 2.677 min
Delta R.T.: -0.010 min
Response: 3482492010
Conc: 721.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD



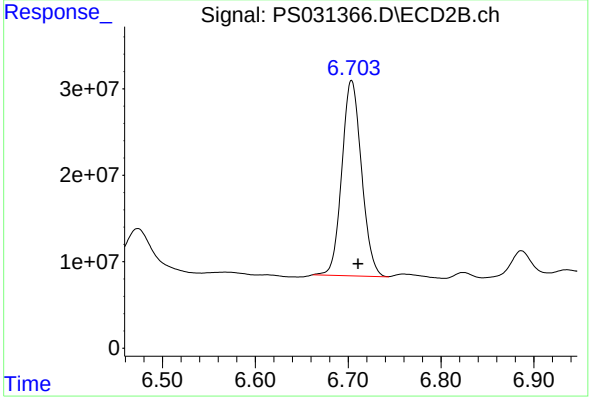
#1 Dalapon

R.T.: 2.696 min
Delta R.T.: -0.007 min
Response: 1621539937
Conc: 660.19 ng/ml



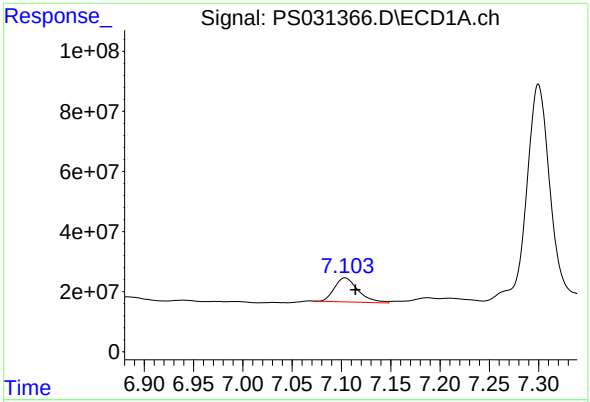
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.466 min
Delta R.T.: -0.011 min
Response: 591360810
Conc: 138.72 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

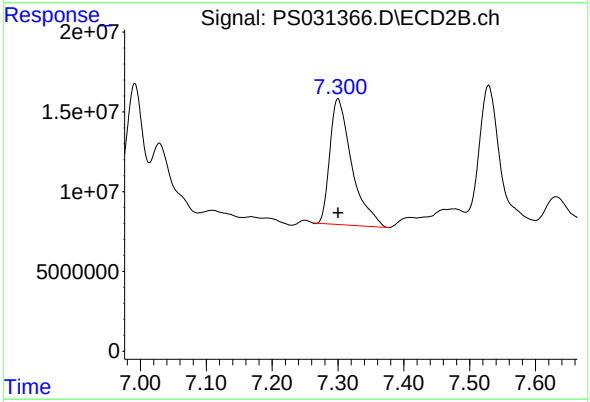
R.T.: 6.704 min
Delta R.T.: -0.007 min
Response: 332533399
Conc: 257.32 ng/ml



#3 4-Nitrophenol

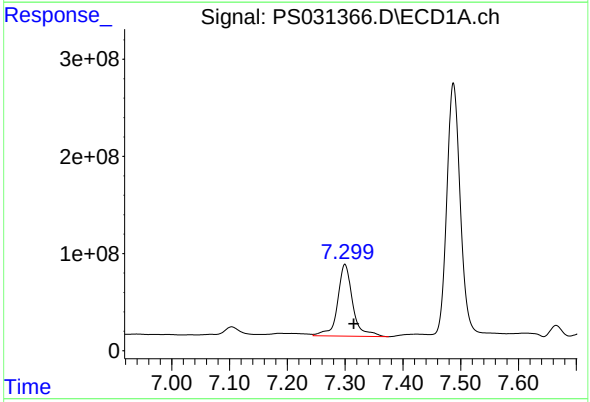
R.T.: 7.104 min
Delta R.T.: -0.011 min
Response: 133698203
Conc: 131.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD



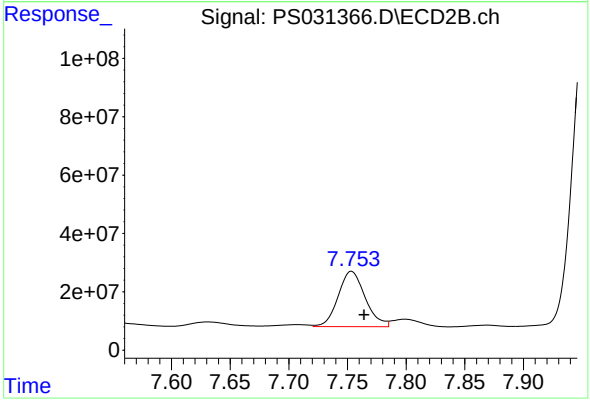
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 182798412
Conc: 141.60 ng/ml



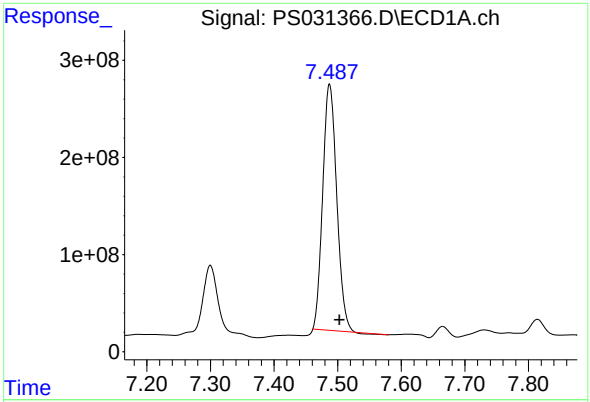
#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.015 min
Response: 1338261617
Conc: 459.35 ng/ml



#4 2,4-DCAA

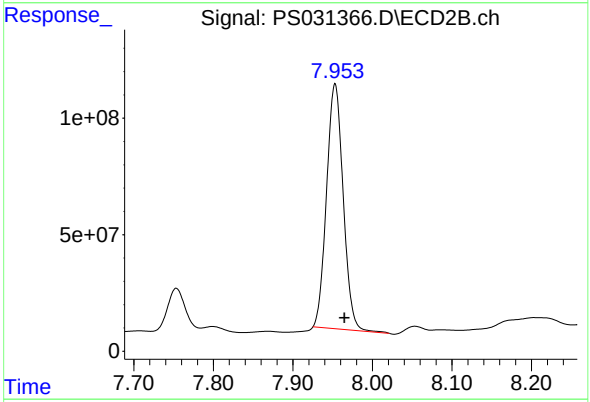
R.T.: 7.753 min
Delta R.T.: -0.011 min
Response: 304537103
Conc: 364.68 ng/ml



#5 DICAMBA

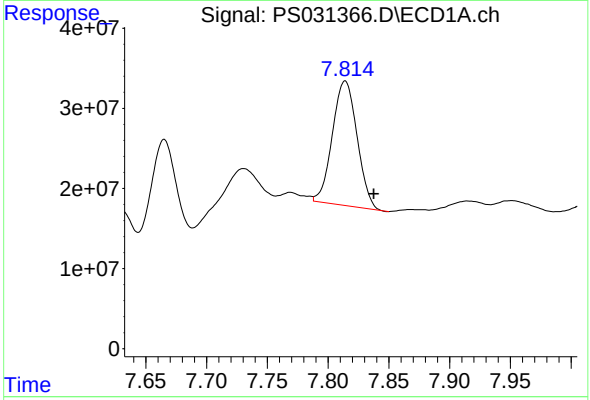
R.T.: 7.487 min
Delta R.T.: -0.016 min
Response: 3866973734
Conc: 299.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD



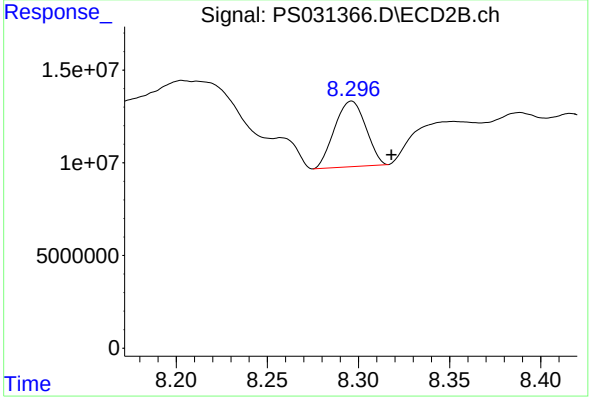
#5 DICAMBA

R.T.: 7.953 min
Delta R.T.: -0.012 min
Response: 1524438546
Conc: 281.22 ng/ml



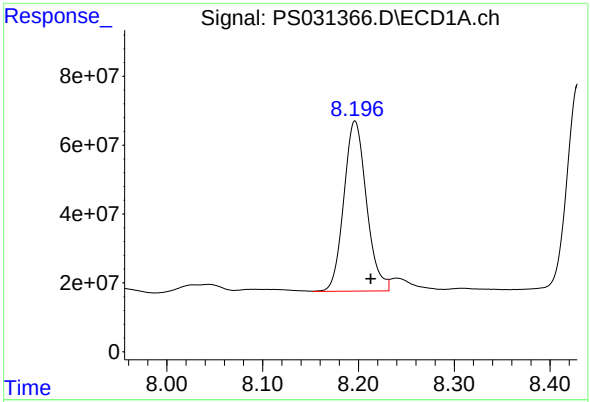
#7 MCPA

R.T.: 7.814 min
Delta R.T.: -0.023 min
Response: 219937429
Conc: 22.50 ug/ml



#7 MCPA

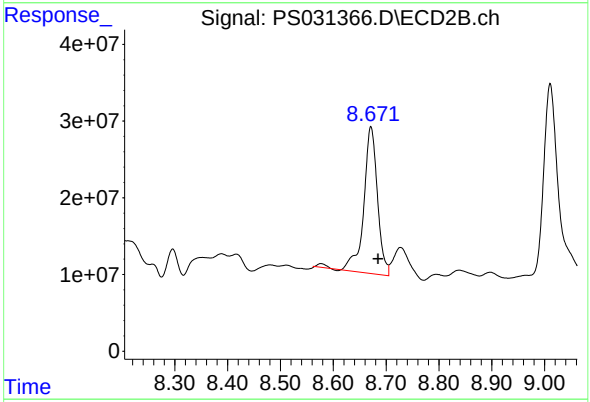
R.T.: 8.296 min
Delta R.T.: -0.022 min
Response: 42206143
Conc: 16.27 ug/ml



#8 DICHLORPROP

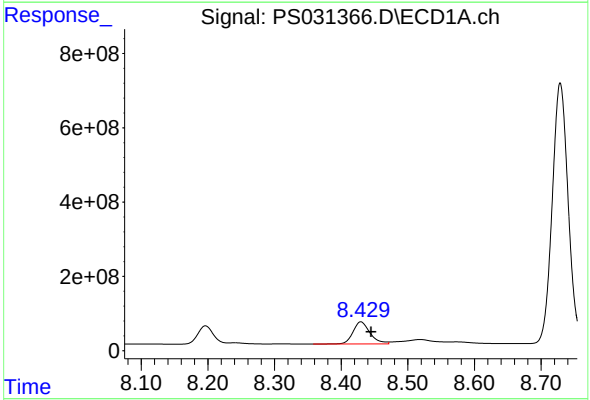
R.T.: 8.196 min
Delta R.T.: -0.016 min
Response: 810062525
Conc: 266.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD



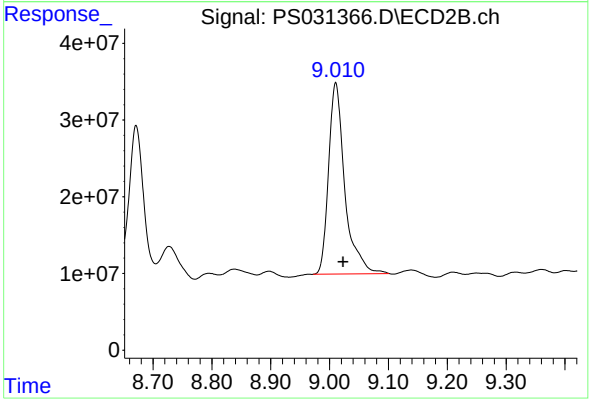
#8 DICHLORPROP

R.T.: 8.671 min
Delta R.T.: -0.013 min
Response: 347455368
Conc: 267.26 ng/ml



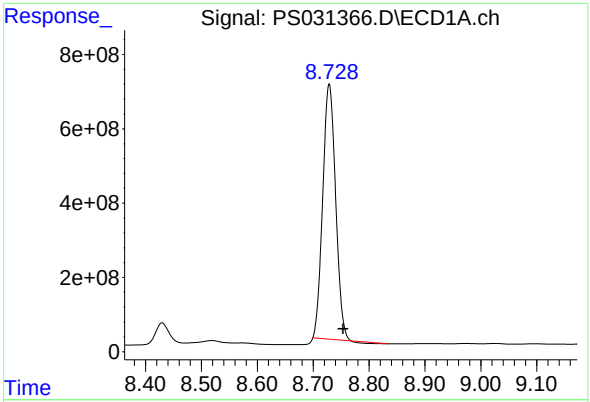
#9 2,4-D

R.T.: 8.430 min
Delta R.T.: -0.015 min
Response: 1060397505
Conc: 408.89 ng/ml



#9 2,4-D

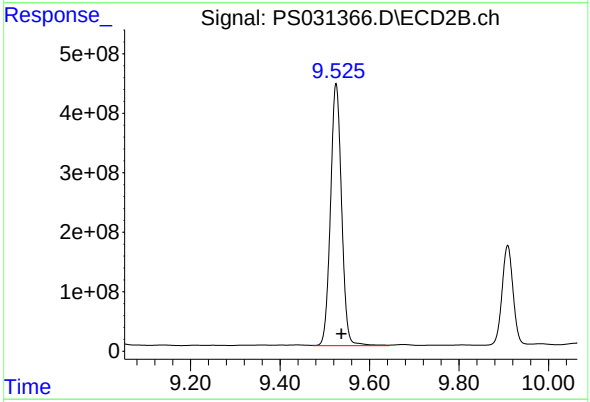
R.T.: 9.011 min
Delta R.T.: -0.012 min
Response: 479143302
Conc: 343.34 ng/ml



#10 Pentachlorophenol

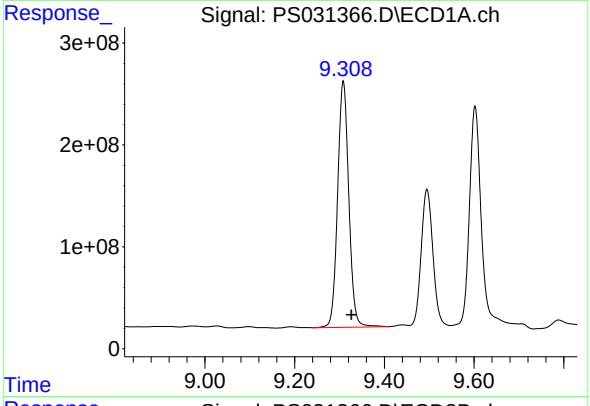
R.T.: 8.729 min
Delta R.T.: -0.025 min
Response: 10931075909
Conc: 240.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD



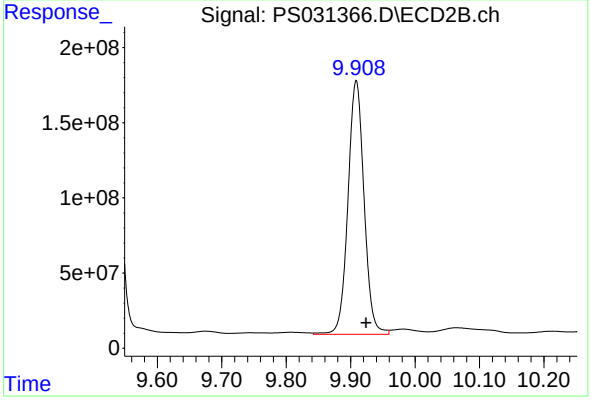
#10 Pentachlorophenol

R.T.: 9.525 min
Delta R.T.: -0.012 min
Response: 7572886902
Conc: 226.08 ng/ml



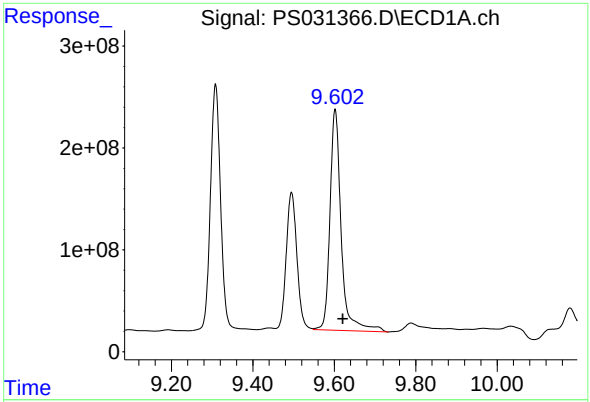
#11 2,4,5-TP (SILVEX)

R.T.: 9.308 min
Delta R.T.: -0.018 min
Response: 4179833532
Conc: 250.87 ng/ml



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

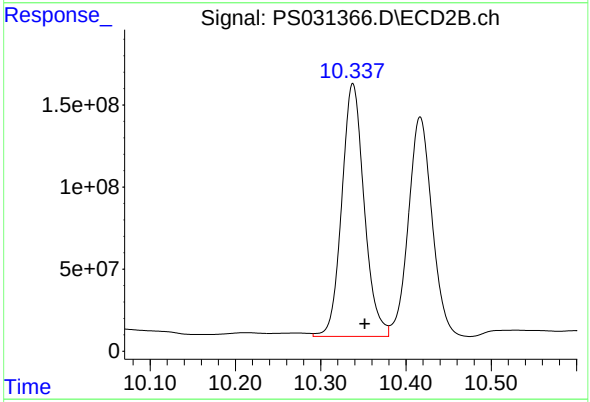
R.T.: 9.909 min
Delta R.T.: -0.015 min
Response: 2930644006
Conc: 230.71 ng/ml



#12 2,4,5-T

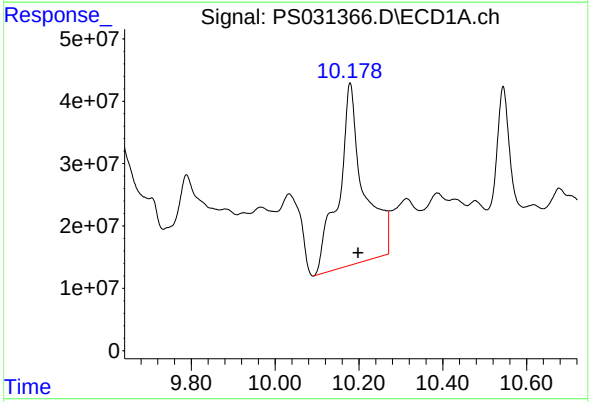
R.T.: 9.602 min
Delta R.T.: -0.019 min
Response: 4143138087
Conc: 311.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD



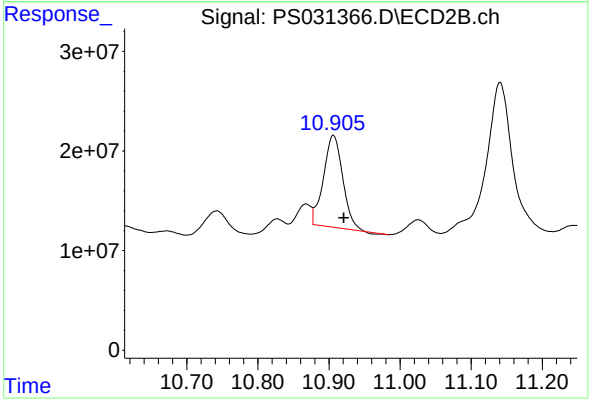
#12 2,4,5-T

R.T.: 10.338 min
Delta R.T.: -0.014 min
Response: 2809318190
Conc: 240.84 ng/ml



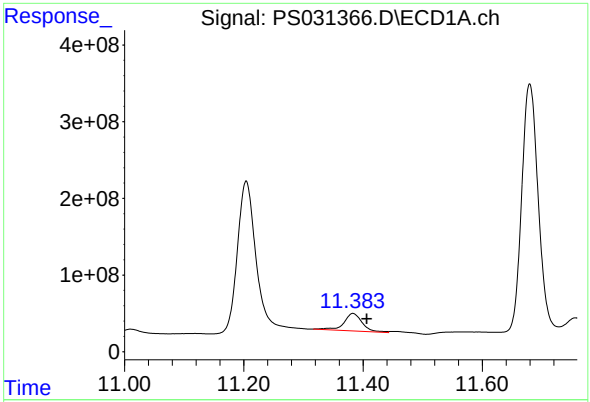
#13 2,4-DB

R.T.: 10.179 min
Delta R.T.: -0.019 min
Response: 1201592308
Conc: 687.70 ng/ml



#13 2,4-DB

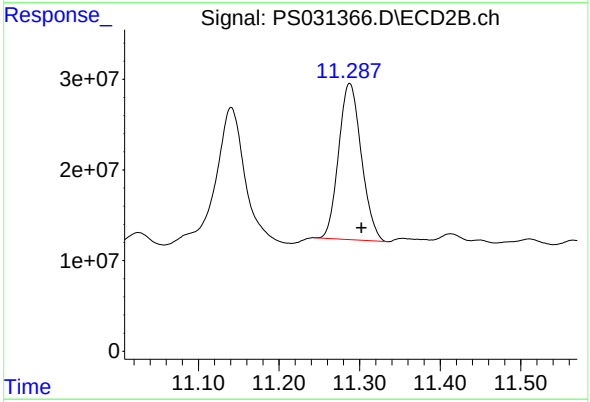
R.T.: 10.906 min
Delta R.T.: -0.015 min
Response: 172373660
Conc: 178.47 ng/ml



#14 DINOSEB

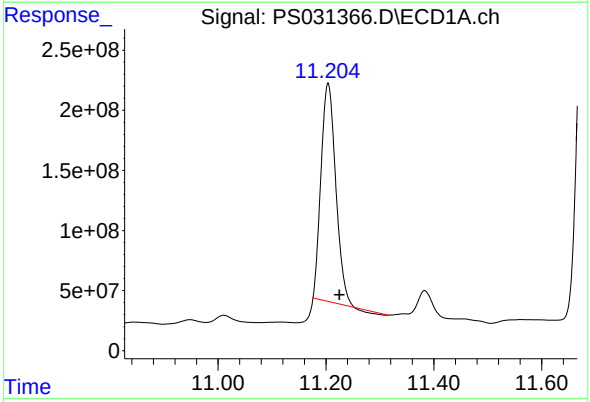
R.T.: 11.383 min
Delta R.T.: -0.023 min
Response: 488481273
Conc: 42.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD



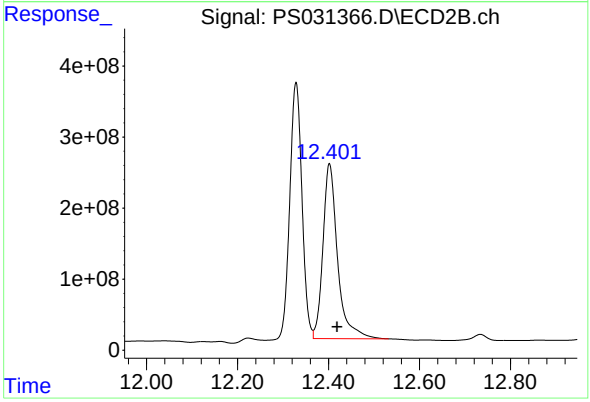
#14 DINOSEB

R.T.: 11.288 min
Delta R.T.: -0.015 min
Response: 337463610
Conc: 36.13 ng/ml



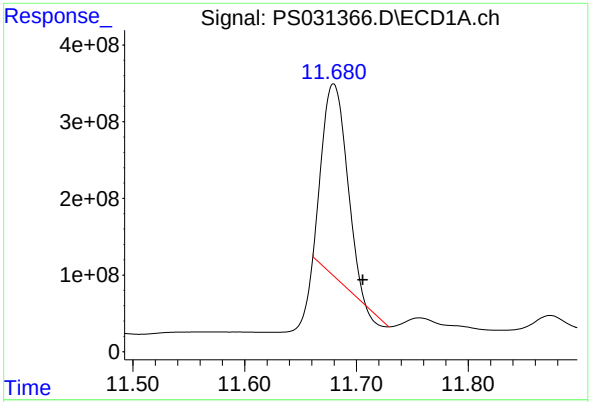
#15 Picloram

R.T.: 11.204 min
Delta R.T.: -0.021 min
Response: 3415949645
Conc: 291.72 ng/ml



#15 Picloram

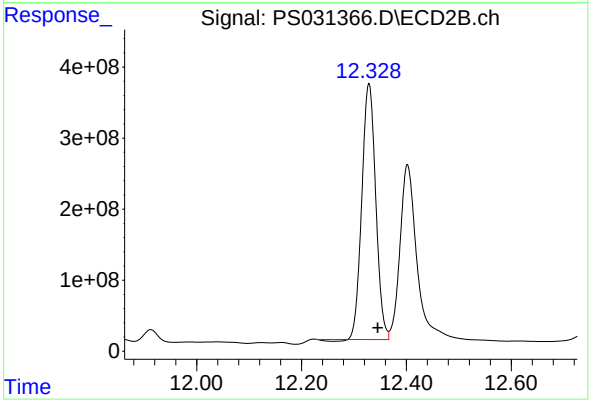
R.T.: 12.402 min
Delta R.T.: -0.016 min
Response: 5494251334
Conc: 321.40 ng/ml



#16 DCPA

R.T.: 11.680 min
Delta R.T.: -0.026 min
Response: 3776316169
Conc: 182.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
289MSD



#16 DCPA

R.T.: 12.329 min
Delta R.T.: -0.017 min
Response: 6607980799
Conc: 354.28 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 22:13
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: Aug 05 01:49:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.300	7.753	2108.0E6	544.4E6	723.559	651.951	
	Target Compounds							
1) T	Dalapon	2.684	2.701	2909.8E6	1457.5E6	603.115	593.386	
2) T	3,5-DICHL...	6.466	6.703	1043.2E6	801.4E6	244.704	620.187	#
3) T	4-Nitroph...	7.102	7.295	740.6E6	767.0E6	727.333	594.147	
5) T	DICAMBA	7.487	7.953	7981.3E6	3123.8E6	617.717	576.254	
6) T	MCPP	7.667	0.000	164.3E6	0	20.423	N.D.	#
7) T	MCPA	7.816	8.299	652.4E6	174.1E6	66.735	67.129	
8) T	DICHLORPROP	8.195	8.672	1982.9E6	793.9E6	652.277	610.632	
9) T	2,4-D	8.429	9.011	1872.3E6	866.9E6	721.968	621.183	
10) T	Pentachlo...	8.728	9.524	29852.0E6	21917.0E6	656.395	654.308	
11) T	2,4,5-TP ...	9.307	9.909	11764.3E6	8008.8E6	706.089	630.473	
12) T	2,4,5-T	9.602	10.337	10279.4E6	7374.9E6	772.841	632.243	
13) T	2,4-DB	10.177	10.905	1391.9E6	592.0E6	796.617	612.936	
14) T	DINOSEB	11.383	11.285	7807.3E6	5595.2E6	681.053	599.067	
15) T	Picloram	11.203	12.402	6364.2E6	10902.5E6	543.500	637.762	
16) T	DCPA	11.681	12.328	8709.6E6	12120.3E6	420.020	649.819	#

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

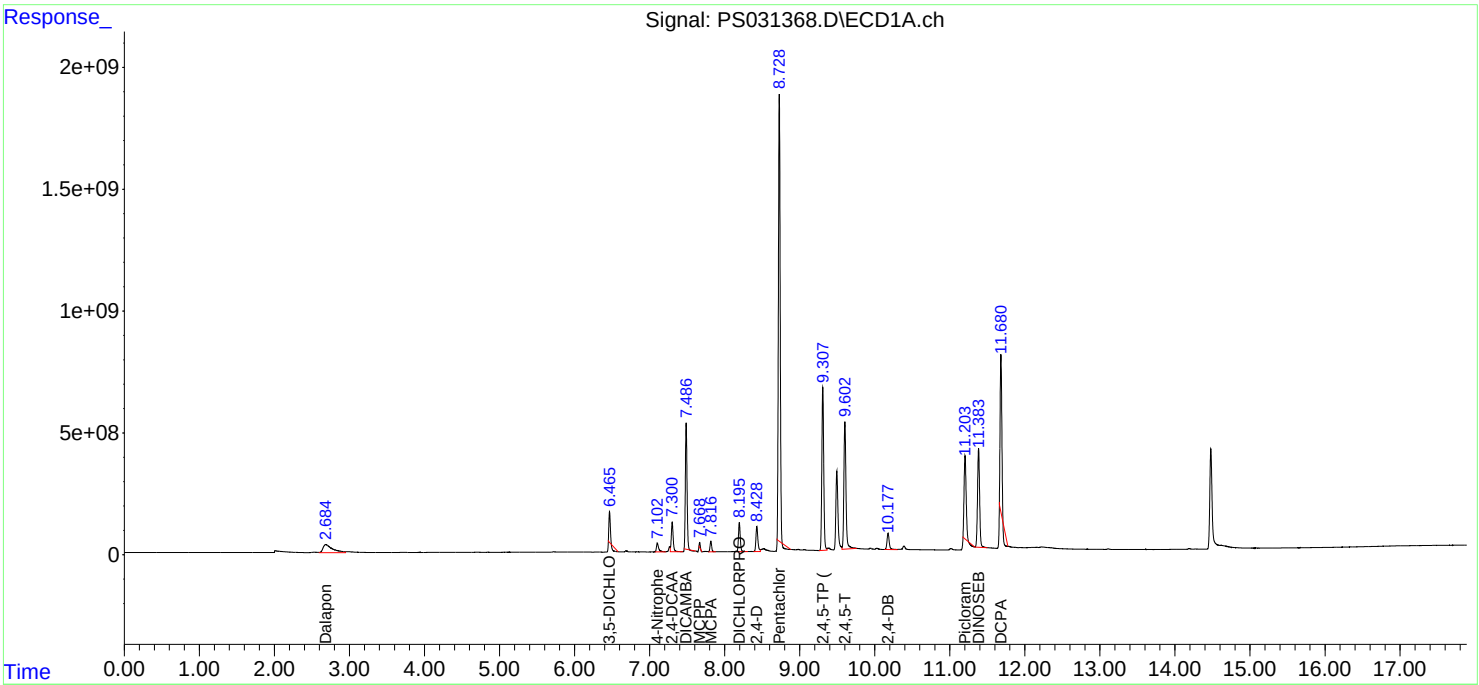
Quantitation Report (Not Reviewed)

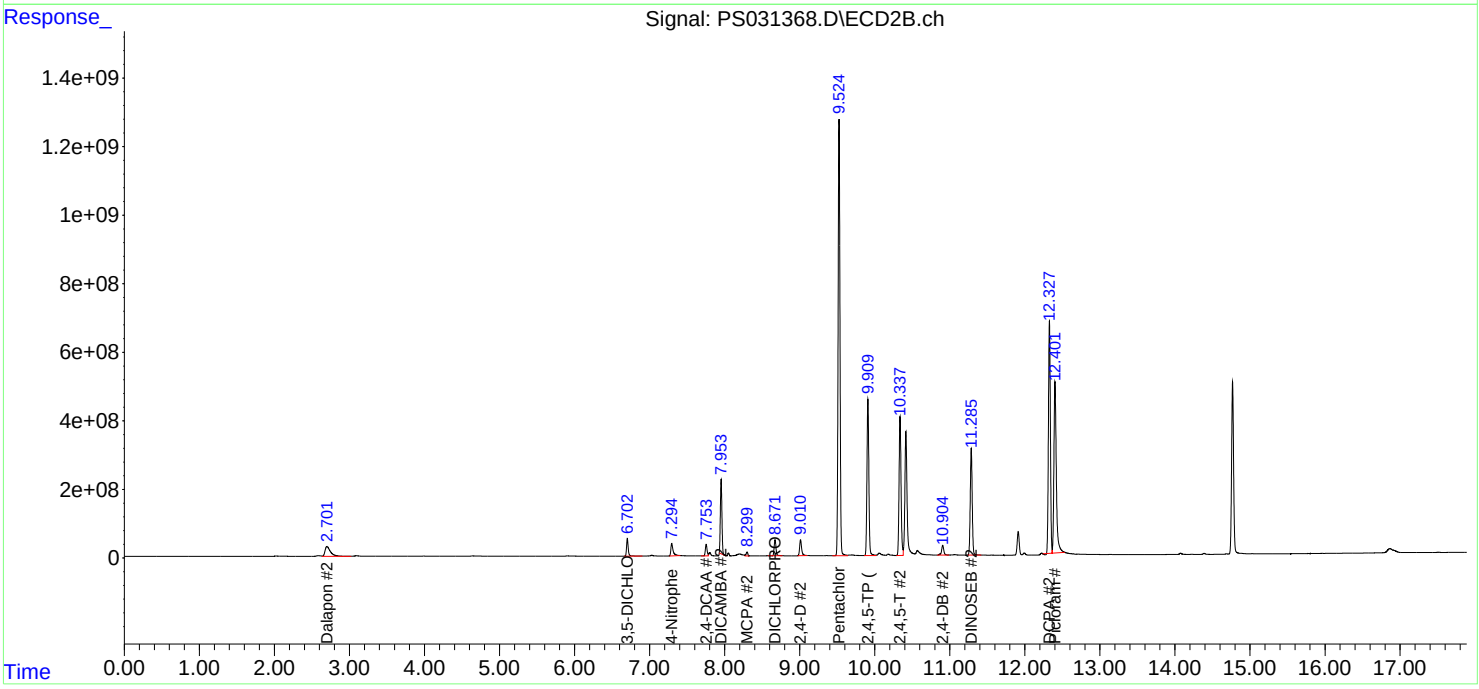
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080425\
Data File : PS031368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Aug 2025 22:13
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

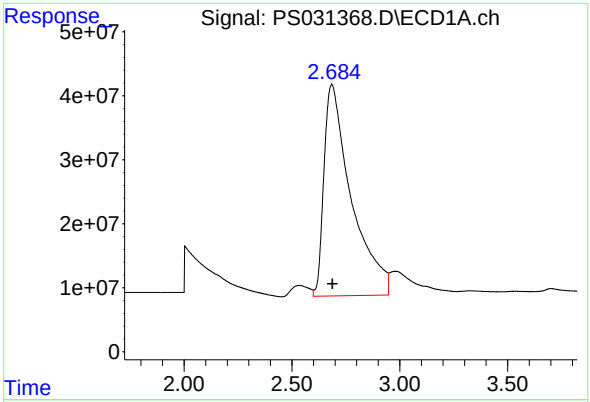
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:49:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



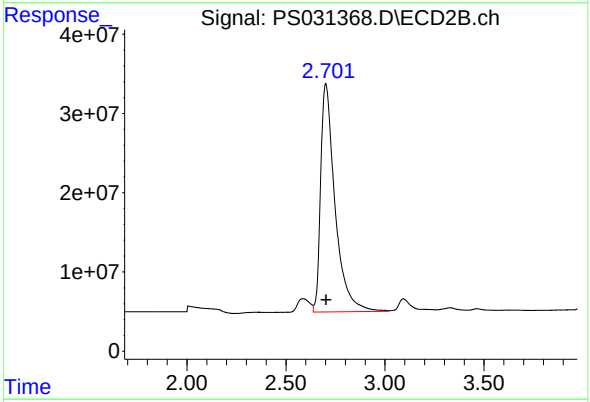




#1 Dalapon

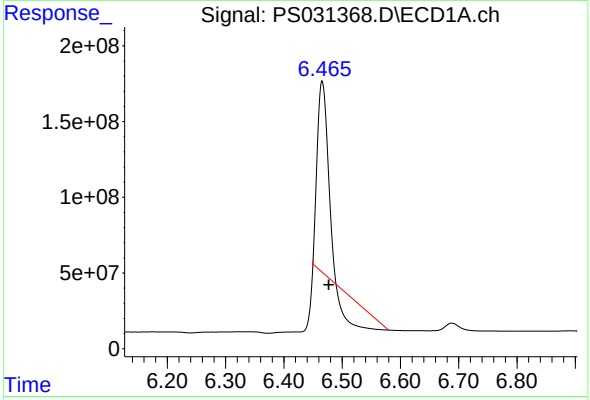
R.T.: 2.684 min
Delta R.T.: -0.003 min
Response: 2909763241
Conc: 603.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



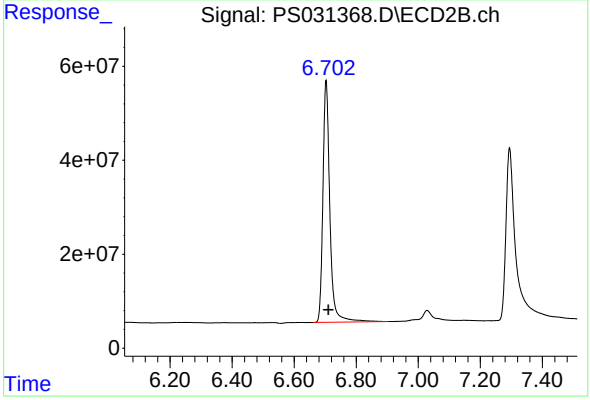
#1 Dalapon

R.T.: 2.701 min
Delta R.T.: -0.002 min
Response: 1457467155
Conc: 593.39 ng/ml



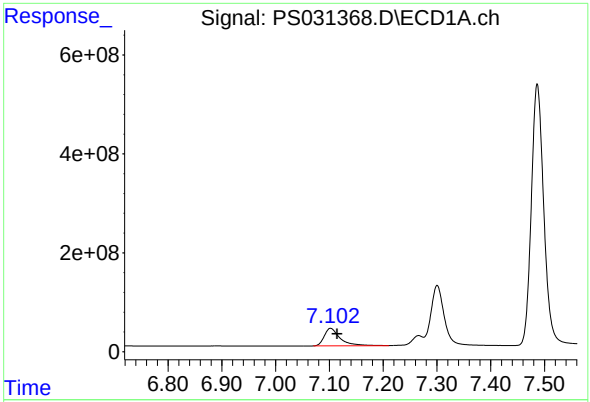
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.466 min
Delta R.T.: -0.011 min
Response: 1043155001
Conc: 244.70 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

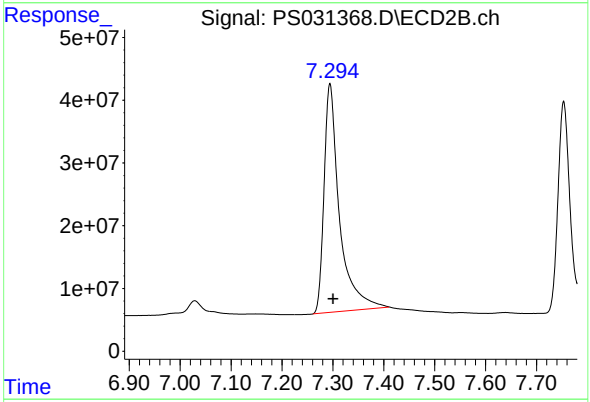
R.T.: 6.703 min
Delta R.T.: -0.008 min
Response: 801449195
Conc: 620.19 ng/ml



#3 4-Nitrophenol

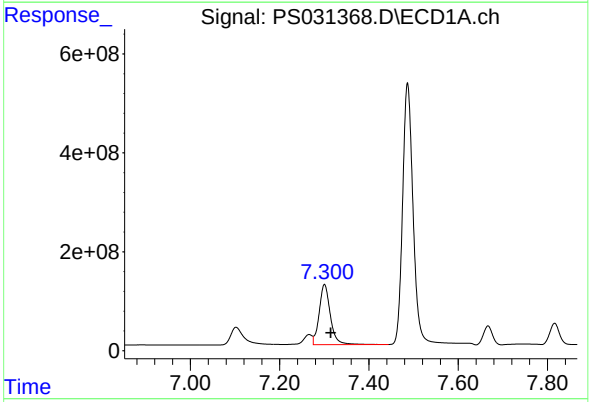
R.T.: 7.102 min
Delta R.T.: -0.012 min
Response: 740571045
Conc: 727.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



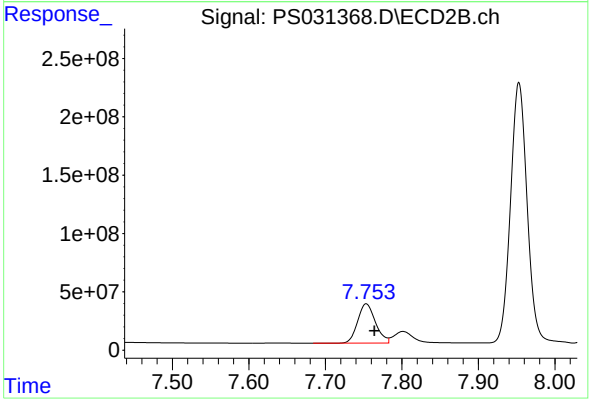
#3 4-Nitrophenol

R.T.: 7.295 min
Delta R.T.: -0.006 min
Response: 766991300
Conc: 594.15 ng/ml



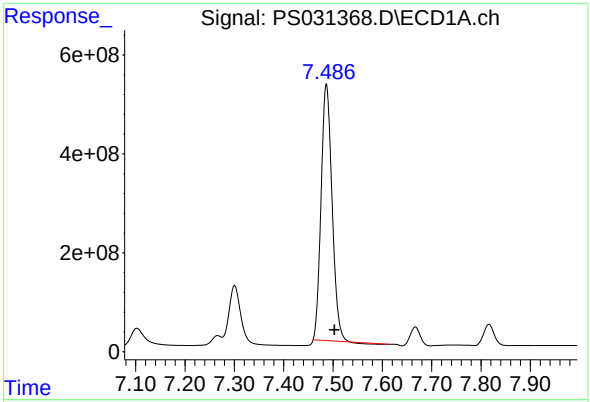
#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.014 min
Response: 2108018699
Conc: 723.56 ng/ml



#4 2,4-DCAA

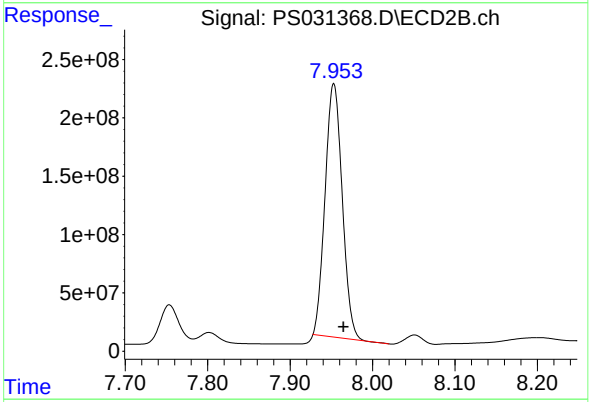
R.T.: 7.753 min
Delta R.T.: -0.011 min
Response: 544431981
Conc: 651.95 ng/ml



#5 DICAMBA

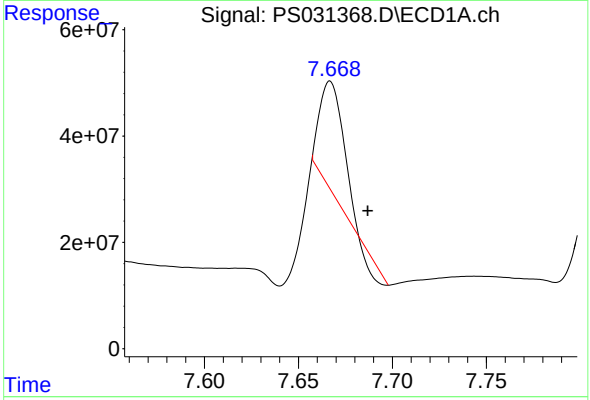
R.T.: 7.487 min
Delta R.T.: -0.016 min
Response: 7981274959
Conc: 617.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



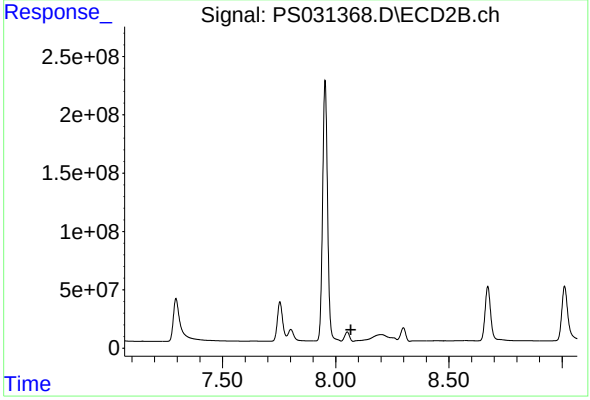
#5 DICAMBA

R.T.: 7.953 min
Delta R.T.: -0.012 min
Response: 3123783140
Conc: 576.25 ng/ml



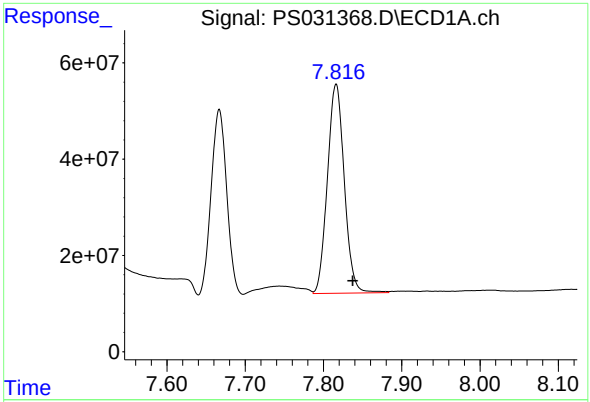
#6 MCPP

R.T.: 7.667 min
Delta R.T.: -0.020 min
Response: 164256154
Conc: 20.42 ug/ml



#6 MCPP

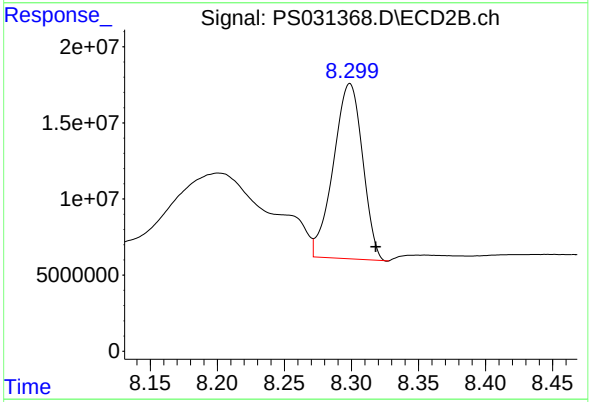
R.T.: 0.000 min
Exp R.T. : 8.067 min
Response: 0
Conc: N.D.



#7 MCPA

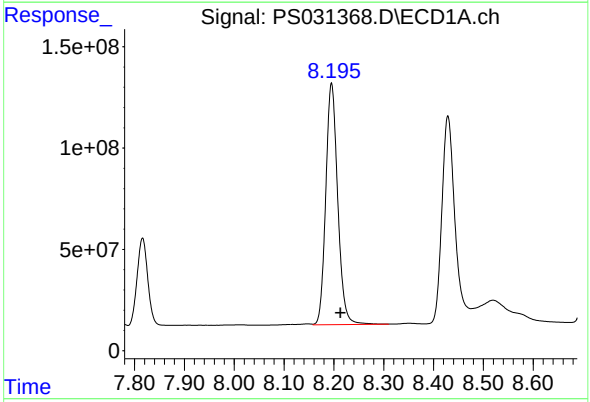
R.T.: 7.816 min
Delta R.T.: -0.021 min
Response: 652396817
Conc: 66.73 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



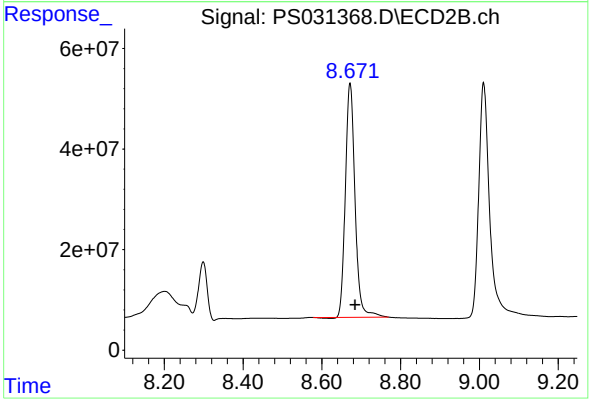
#7 MCPA

R.T.: 8.299 min
Delta R.T.: -0.019 min
Response: 174128943
Conc: 67.13 ug/ml



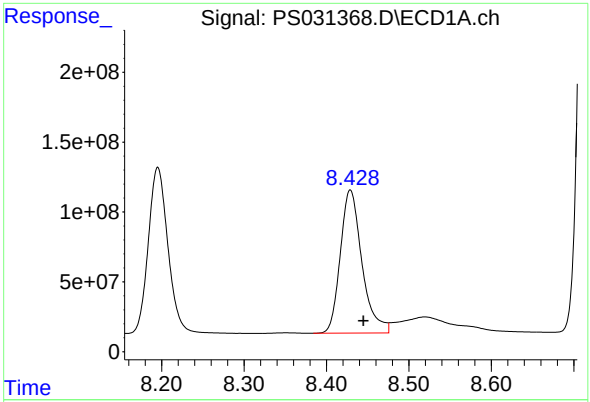
#8 DICHLORPROP

R.T.: 8.195 min
Delta R.T.: -0.018 min
Response: 1982928768
Conc: 652.28 ng/ml



#8 DICHLORPROP

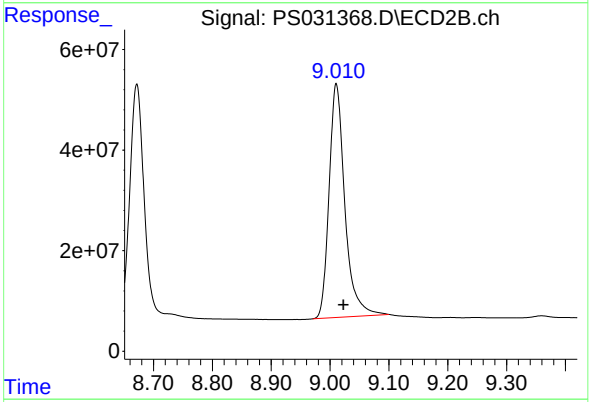
R.T.: 8.672 min
Delta R.T.: -0.013 min
Response: 793856859
Conc: 610.63 ng/ml



#9 2,4-D

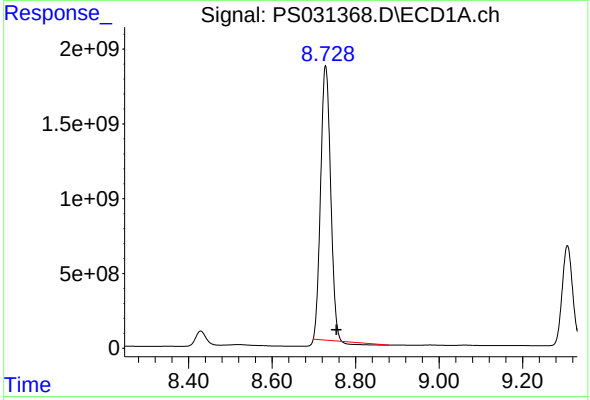
R.T.: 8.429 min
Delta R.T.: -0.016 min
Response: 1872307670
Conc: 721.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



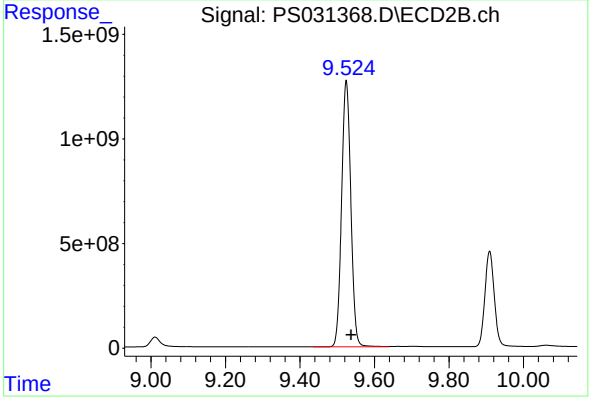
#9 2,4-D

R.T.: 9.011 min
Delta R.T.: -0.012 min
Response: 866879419
Conc: 621.18 ng/ml



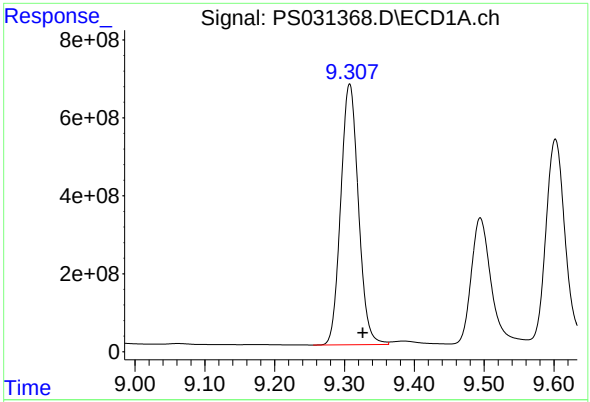
#10 Pentachlorophenol

R.T.: 8.728 min
Delta R.T.: -0.026 min
Response: 29852038891
Conc: 656.40 ng/ml



#10 Pentachlorophenol

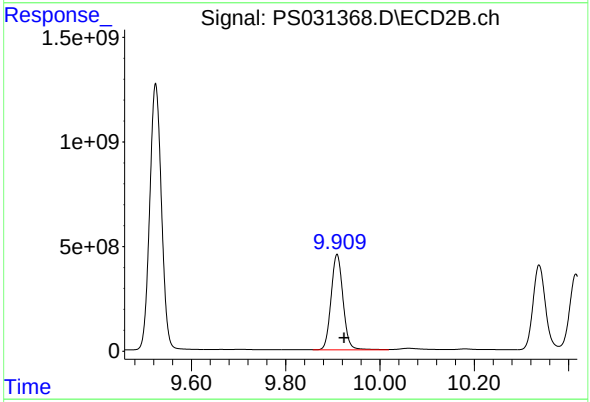
R.T.: 9.524 min
Delta R.T.: -0.013 min
Response: 21916952745
Conc: 654.31 ng/ml



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

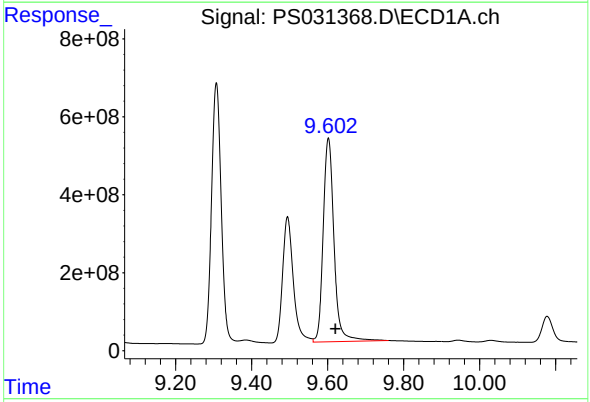
R.T.: 9.307 min
Delta R.T.: -0.019 min
Response: 11764330459
Conc: 706.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



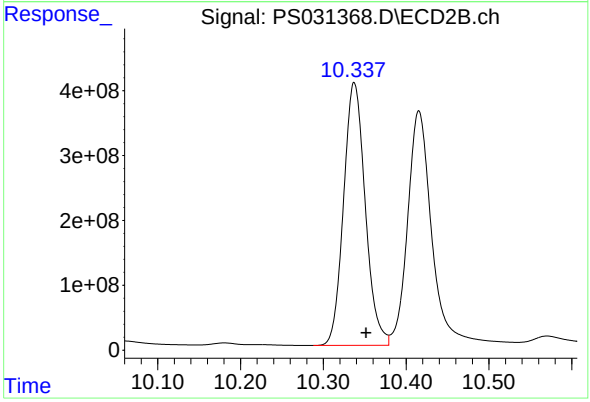
#11 2,4,5-TP (SILVEX)

R.T.: 9.909 min
Delta R.T.: -0.015 min
Response: 8008778044
Conc: 630.47 ng/ml



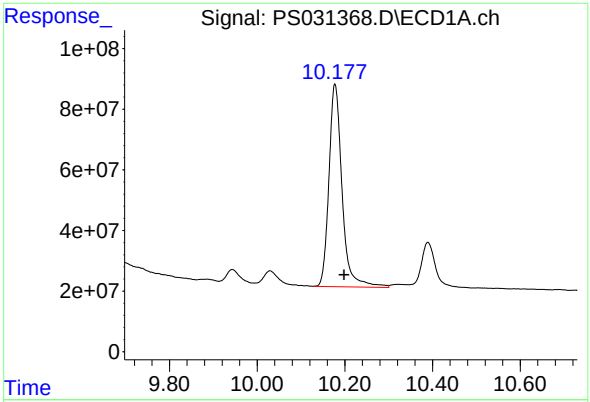
#12 2,4,5-T

R.T.: 9.602 min
Delta R.T.: -0.019 min
Response: 10279356780
Conc: 772.84 ng/ml



#12 2,4,5-T

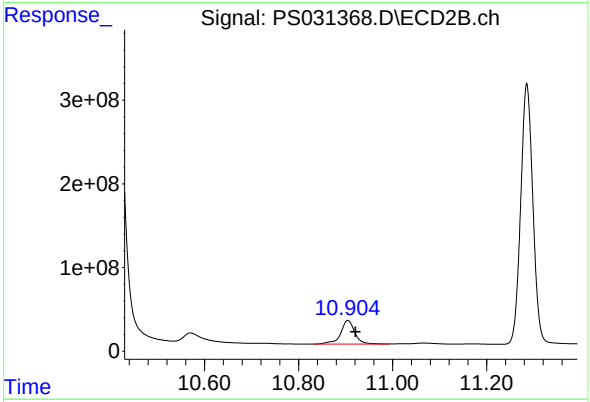
R.T.: 10.337 min
Delta R.T.: -0.014 min
Response: 7374908905
Conc: 632.24 ng/ml



#13 2,4-DB

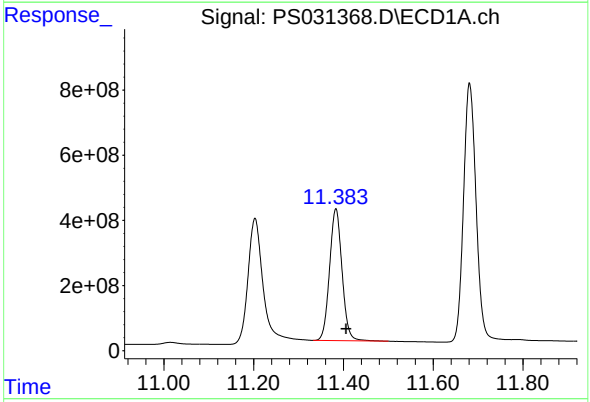
R.T.: 10.177 min
Delta R.T.: -0.021 min
Response: 1391892821
Conc: 796.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



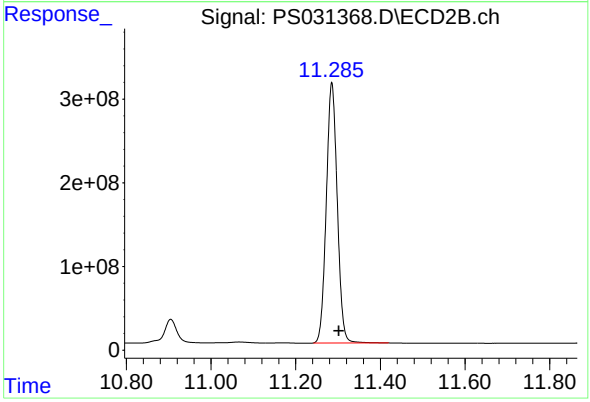
#13 2,4-DB

R.T.: 10.905 min
Delta R.T.: -0.016 min
Response: 592007964
Conc: 612.94 ng/ml



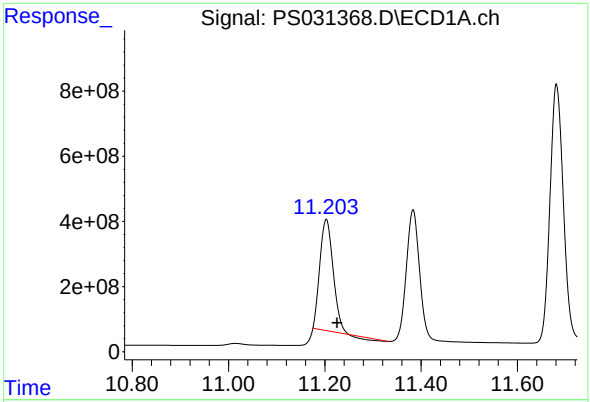
#14 DINOSEB

R.T.: 11.383 min
Delta R.T.: -0.023 min
Response: 7807285362
Conc: 681.05 ng/ml



#14 DINOSEB

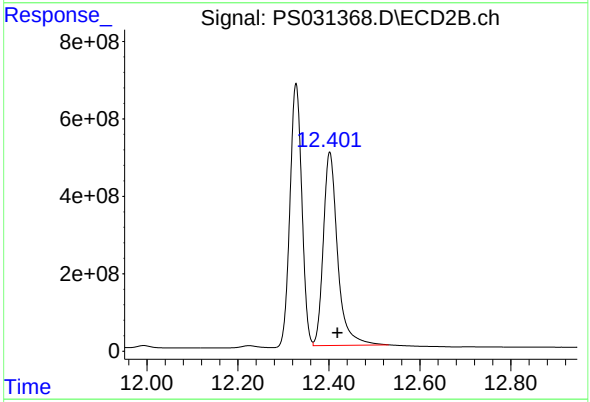
R.T.: 11.285 min
Delta R.T.: -0.017 min
Response: 5595247630
Conc: 599.07 ng/ml



#15 Picloram

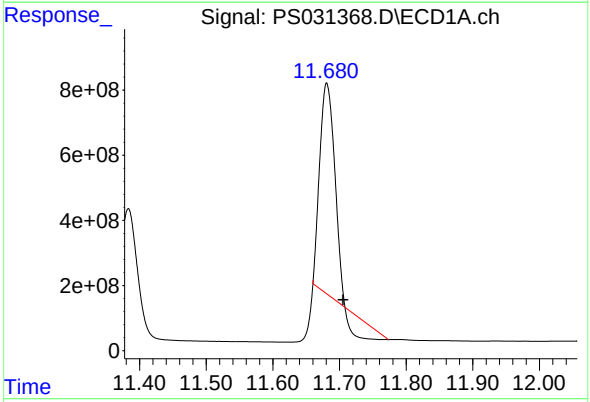
R.T.: 11.203 min
Delta R.T.: -0.022 min
Response: 6364188125
Conc: 543.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



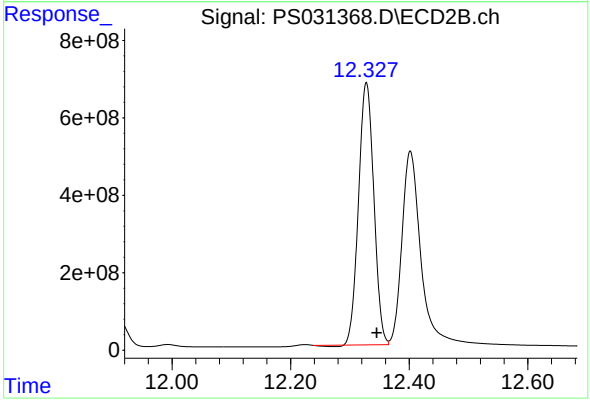
#15 Picloram

R.T.: 12.402 min
Delta R.T.: -0.017 min
Response: 10902492421
Conc: 637.76 ng/ml



#16 DCPA

R.T.: 11.681 min
Delta R.T.: -0.025 min
Response: 8709597151
Conc: 420.02 ng/ml



#16 DCPA

R.T.: 12.328 min
Delta R.T.: -0.018 min
Response: 12120265930
Conc: 649.82 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 11:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:48:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.300	7.752	2162.8E6	542.8E6	742.356	650.048
	Target Compounds						
1) T	Dalapon	2.682	2.701	2969.7E6	1439.5E6	615.528	586.075
2) T	3,5-DICHL...	6.465	6.702	542.6E6	800.3E6	127.276	619.262 #
3) T	4-Nitroph...	7.102	7.294	736.1E6	748.2E6	722.893	579.585
5) T	DICAMBA	7.486	7.951	8120.7E6	3166.0E6	628.507	584.032
6) T	MCPP	7.665	0.000	111.0E6	0	13.803	N.D. #
7) T	MCPA	7.815	8.297	662.6E6	169.9E6	67.783	65.485
8) T	DICHLORPROP	8.195	8.670	2037.7E6	797.8E6	670.281	613.684
9) T	2,4-D	8.427	9.009	1898.7E6	863.0E6	732.143	618.417
10) T	Pentachlo...	8.727f	9.522	30042.4E6	22050.9E6	660.580	658.307
11) T	2,4,5-TP ...	9.306	9.907	12081.8E6	8061.5E6	725.142	634.626
12) T	2,4,5-T	9.600	10.336	10413.9E6	7305.2E6	782.957	626.271
13) T	2,4-DB	10.176	10.903	1374.8E6	588.4E6	786.854	609.188
14) T	DINOSEB	11.381	11.283	7986.5E6	5583.8E6	696.684	597.840
15) T	Picloram	11.203	12.400	5565.6E6	10577.6E6	475.305	618.755 #
16) T	DCPA	11.680f	12.326	6372.5E6	12110.2E6	307.315	649.280 #

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

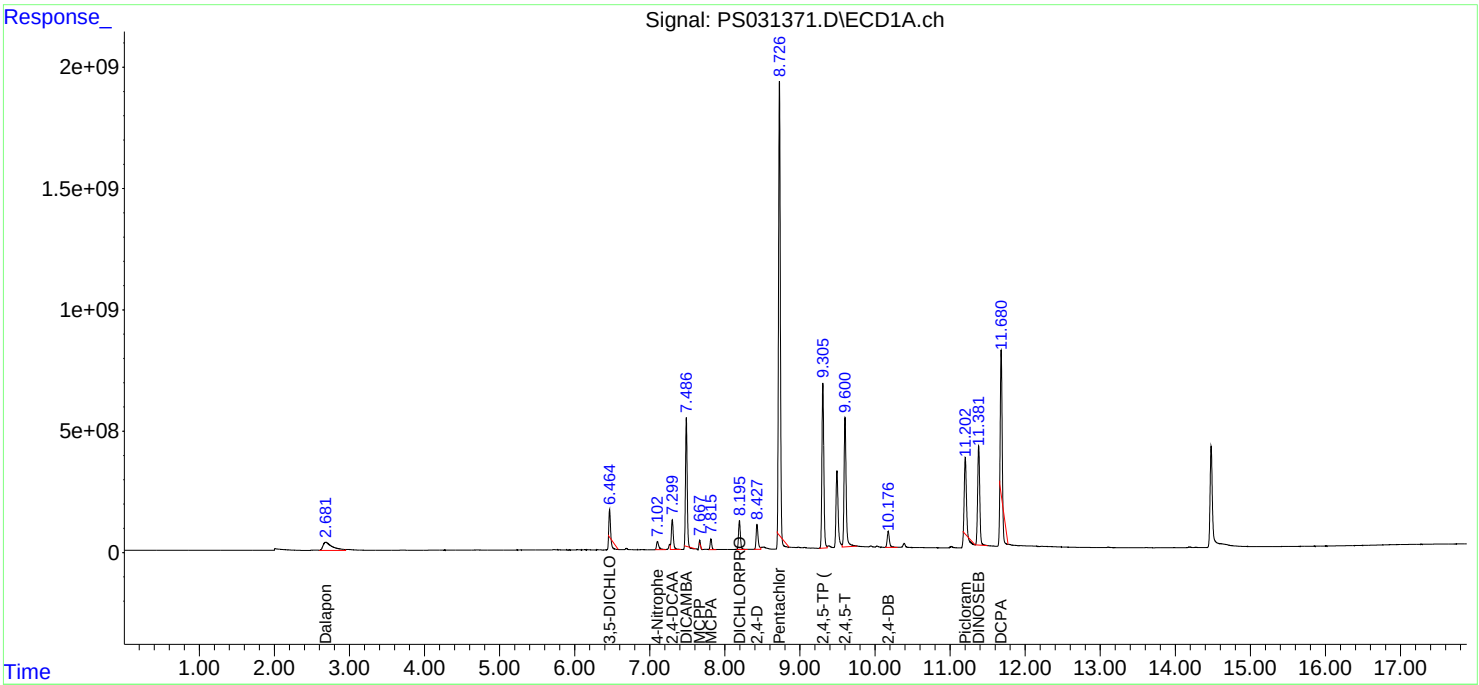
Quantitation Report (Not Reviewed)

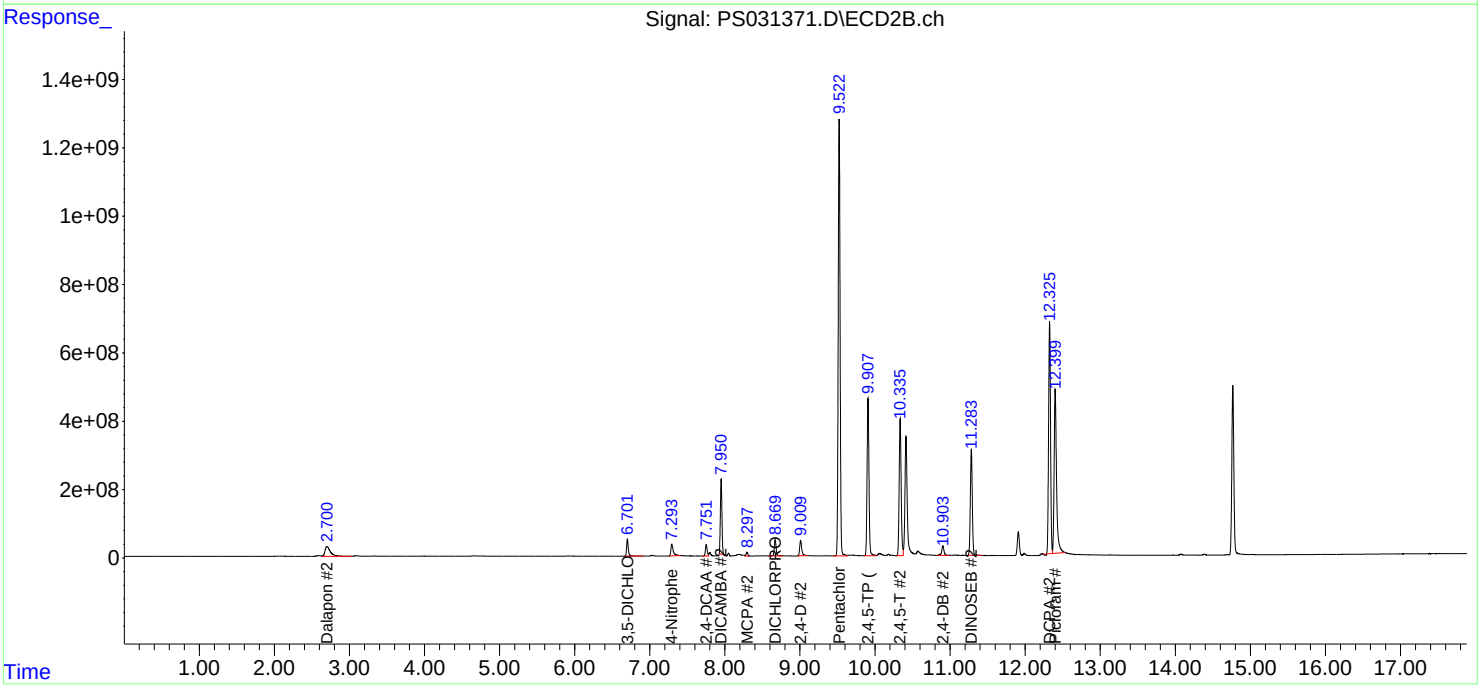
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 11:25
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

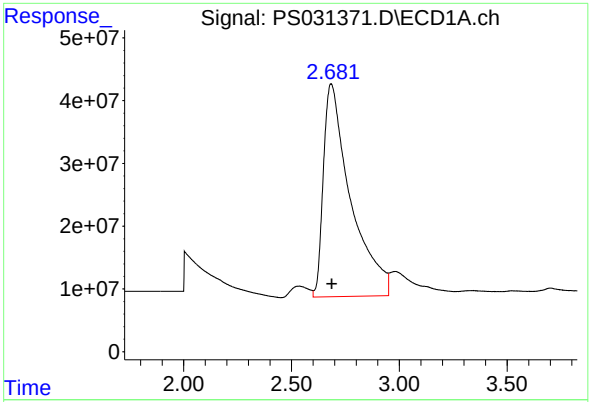
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:48:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



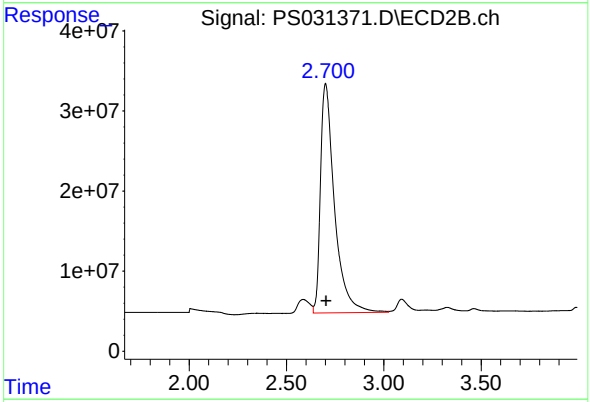




#1 Dalapon

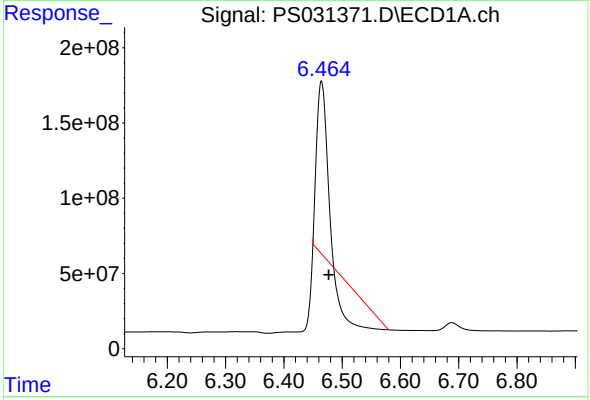
R.T.: 2.682 min
Delta R.T.: -0.005 min
Response: 2969651095
Conc: 615.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



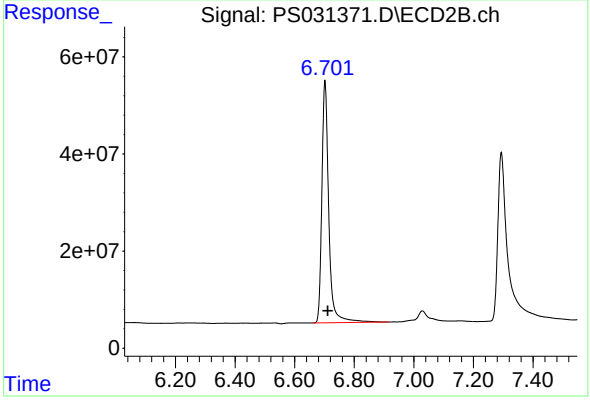
#1 Dalapon

R.T.: 2.701 min
Delta R.T.: -0.002 min
Response: 1439509011
Conc: 586.08 ng/ml



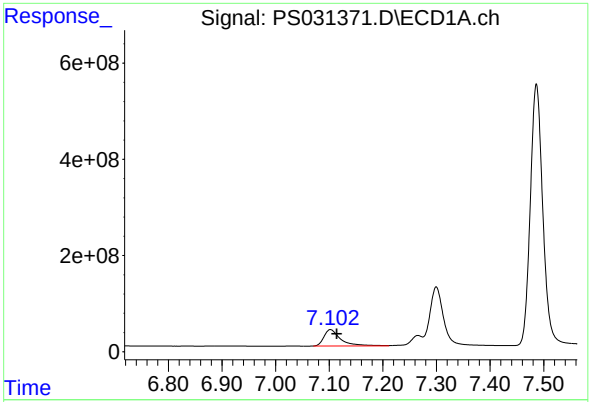
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.465 min
Delta R.T.: -0.012 min
Response: 542571186
Conc: 127.28 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

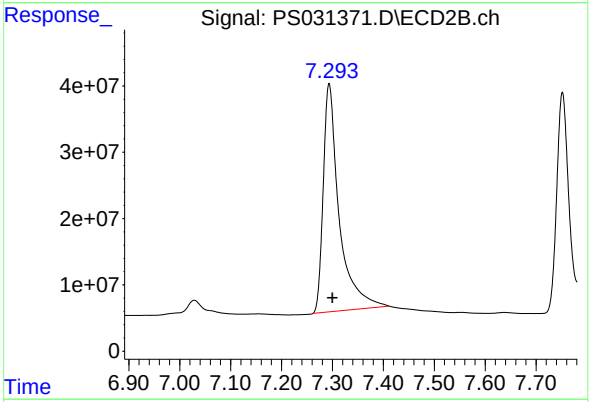
R.T.: 6.702 min
Delta R.T.: -0.009 min
Response: 800254406
Conc: 619.26 ng/ml



#3 4-Nitrophenol

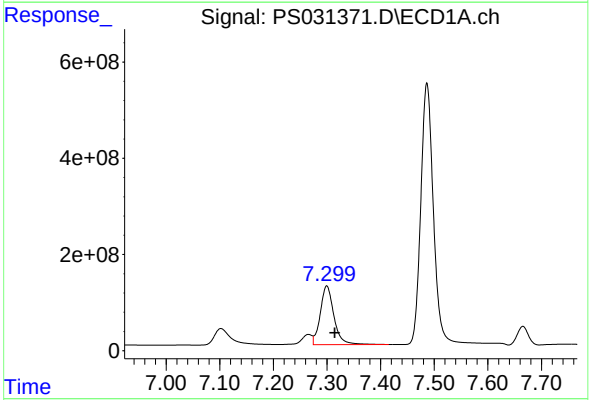
R.T.: 7.102 min
Delta R.T.: -0.012 min
Response: 736050199
Conc: 722.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



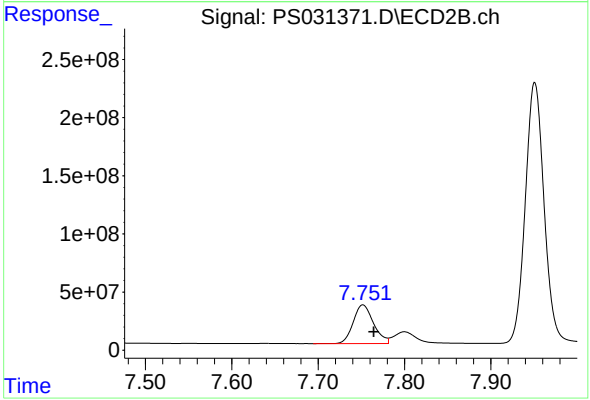
#3 4-Nitrophenol

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 748193606
Conc: 579.59 ng/ml



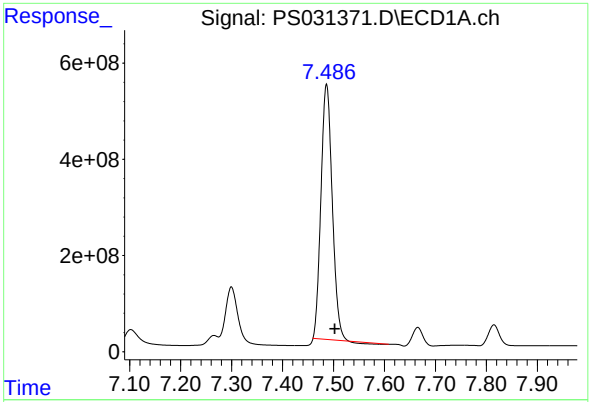
#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.015 min
Response: 2162782820
Conc: 742.36 ng/ml



#4 2,4-DCAA

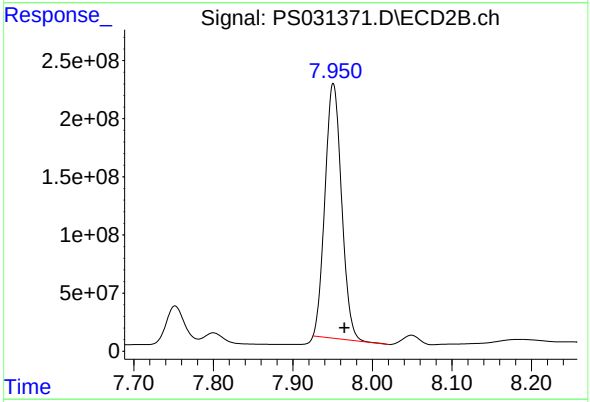
R.T.: 7.752 min
Delta R.T.: -0.012 min
Response: 542842810
Conc: 650.05 ng/ml



#5 DICAMBA

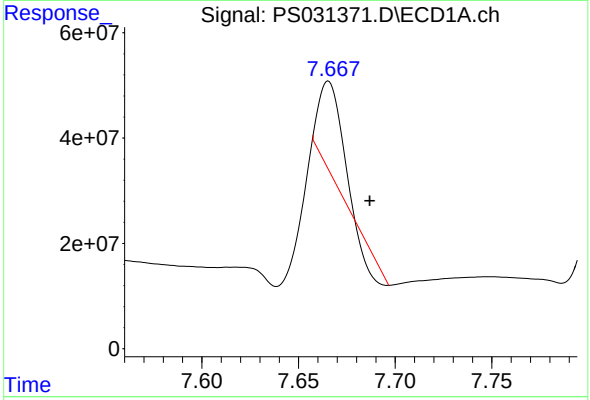
R.T.: 7.486 min
Delta R.T.: -0.017 min
Response: 8120682738
Conc: 628.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



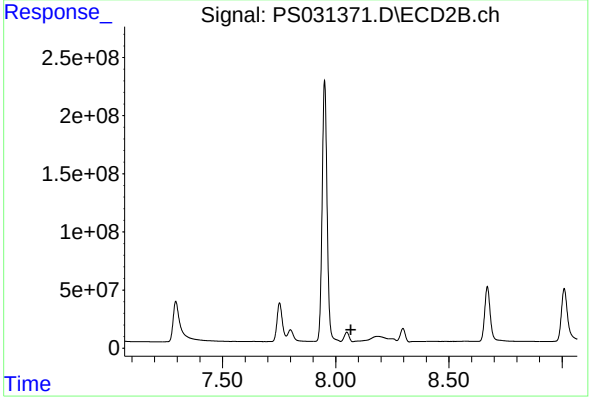
#5 DICAMBA

R.T.: 7.951 min
Delta R.T.: -0.014 min
Response: 3165950456
Conc: 584.03 ng/ml



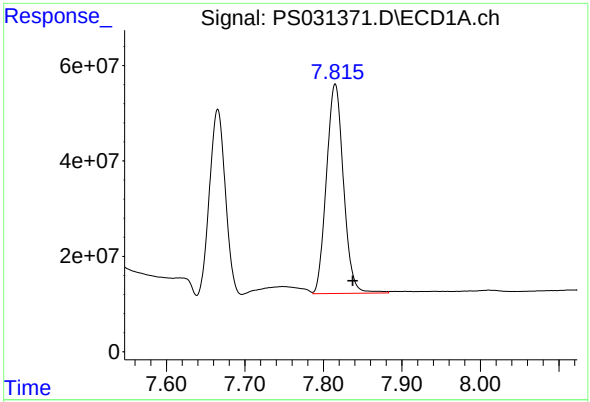
#6 MCPP

R.T.: 7.665 min
Delta R.T.: -0.021 min
Response: 111016549
Conc: 13.80 ug/ml



#6 MCPP

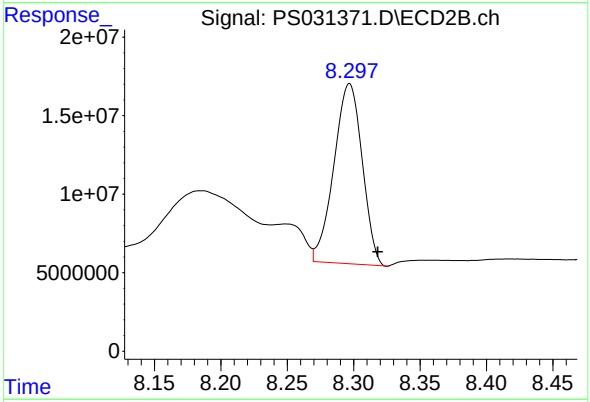
R.T.: 0.000 min
Exp R.T. : 8.067 min
Response: 0
Conc: N.D.



#7 MCPA

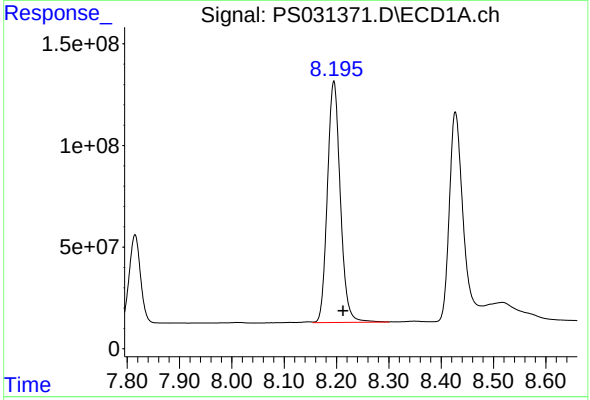
R.T.: 7.815 min
Delta R.T.: -0.022 min
Response: 662645463
Conc: 67.78 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



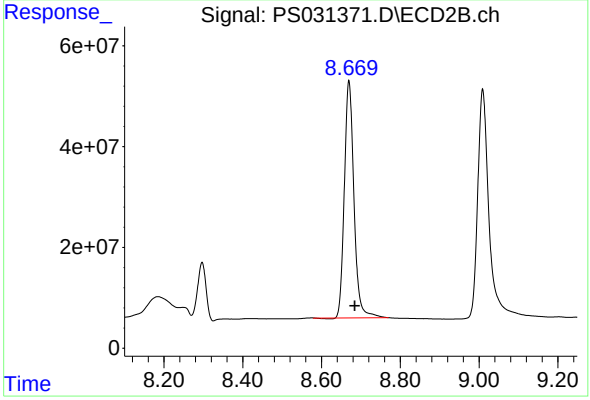
#7 MCPA

R.T.: 8.297 min
Delta R.T.: -0.021 min
Response: 169866138
Conc: 65.49 ug/ml



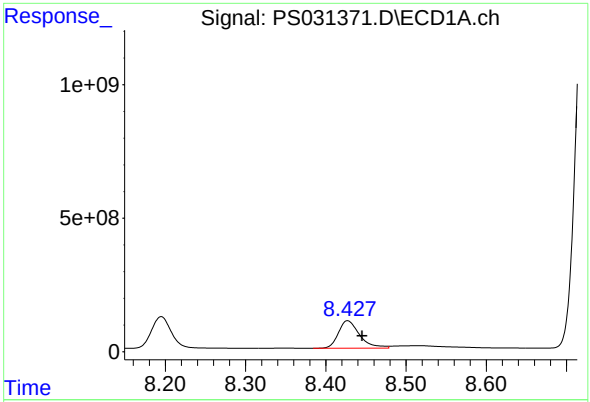
#8 DICHLORPROP

R.T.: 8.195 min
Delta R.T.: -0.018 min
Response: 2037662725
Conc: 670.28 ng/ml



#8 DICHLORPROP

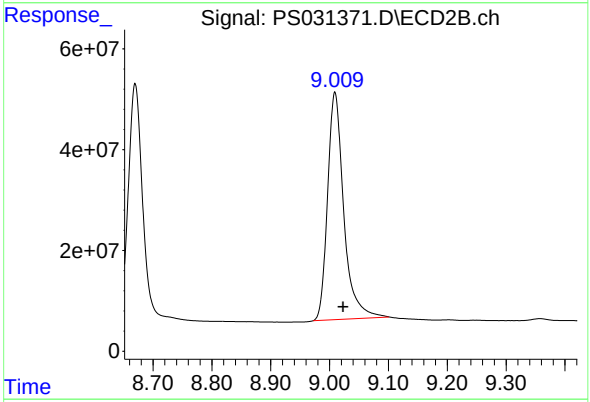
R.T.: 8.670 min
Delta R.T.: -0.015 min
Response: 797824547
Conc: 613.68 ng/ml



#9 2,4-D

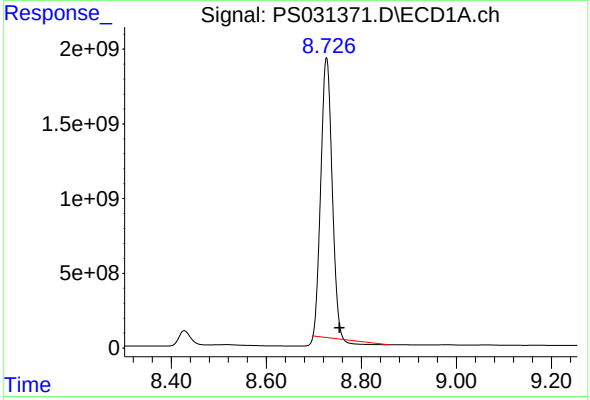
R.T.: 8.427 min
Delta R.T.: -0.018 min
Response: 1898695173
Conc: 732.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



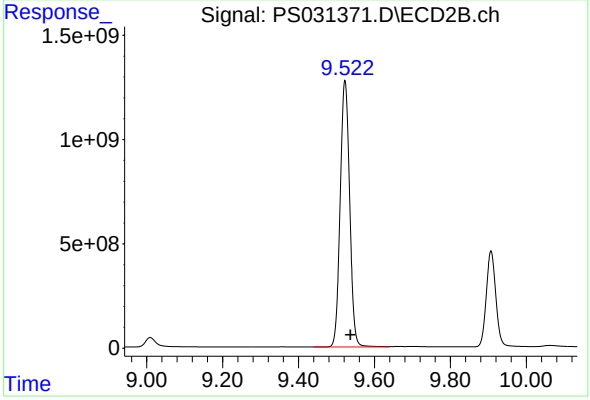
#9 2,4-D

R.T.: 9.009 min
Delta R.T.: -0.014 min
Response: 863020262
Conc: 618.42 ng/ml



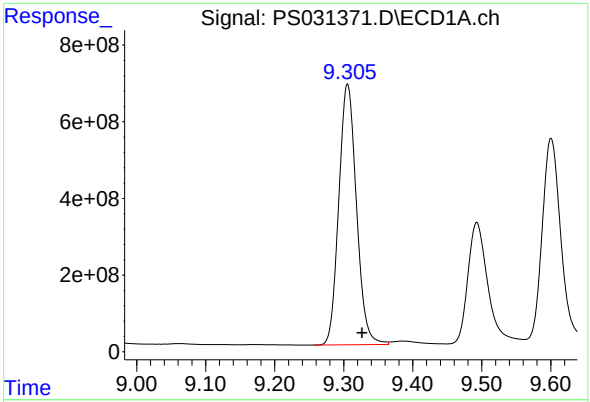
#10 Pentachlorophenol

R.T.: 8.727 min
Delta R.T.: -0.027 min
Response: 30042359018
Conc: 660.58 ng/ml



#10 Pentachlorophenol

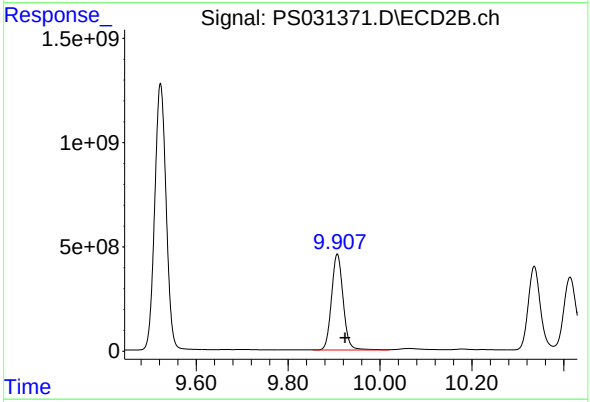
R.T.: 9.522 min
Delta R.T.: -0.015 min
Response: 22050892601
Conc: 658.31 ng/ml



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

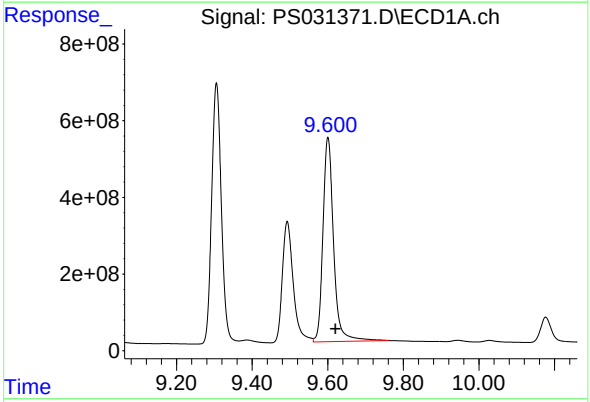
R.T.: 9.306 min
Delta R.T.: -0.021 min
Response: 12081769782
Conc: 725.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



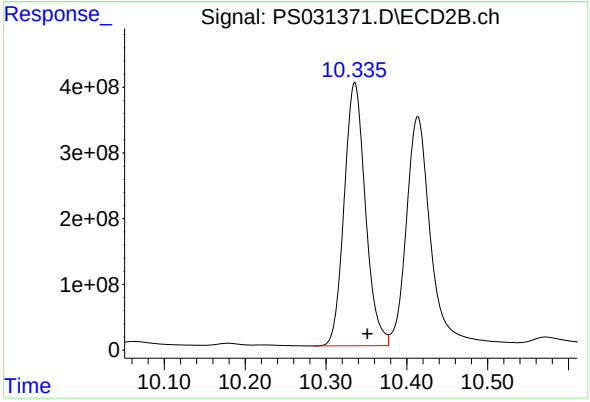
#11 2,4,5-TP (SILVEX)

R.T.: 9.907 min
Delta R.T.: -0.017 min
Response: 8061528456
Conc: 634.63 ng/ml



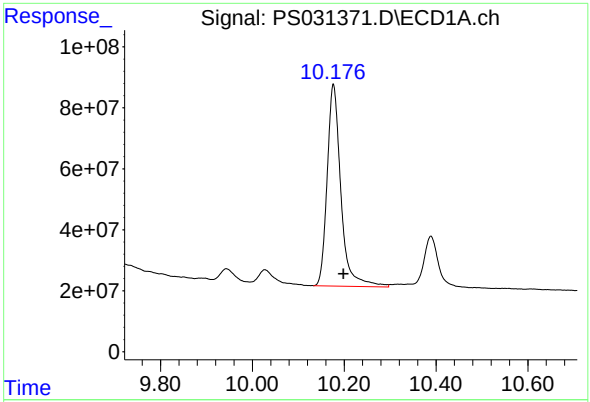
#12 2,4,5-T

R.T.: 9.600 min
Delta R.T.: -0.020 min
Response: 10413896788
Conc: 782.96 ng/ml



#12 2,4,5-T

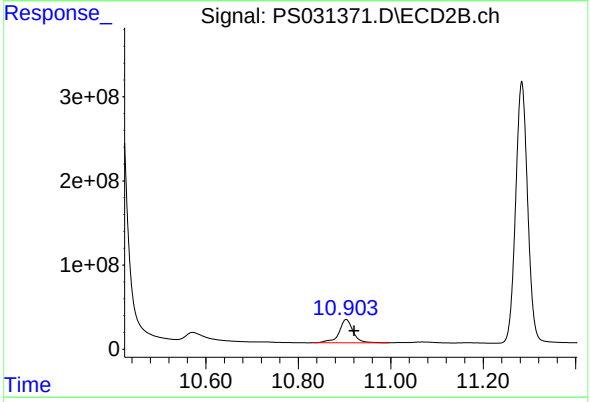
R.T.: 10.336 min
Delta R.T.: -0.016 min
Response: 7305247152
Conc: 626.27 ng/ml



#13 2,4-DB

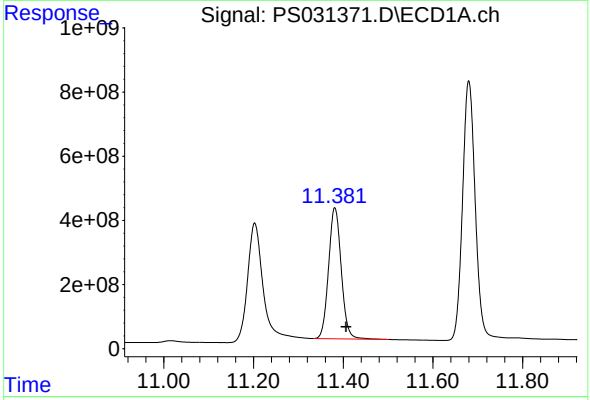
R.T.: 10.176 min
Delta R.T.: -0.022 min
Response: 1374833664
Conc: 786.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



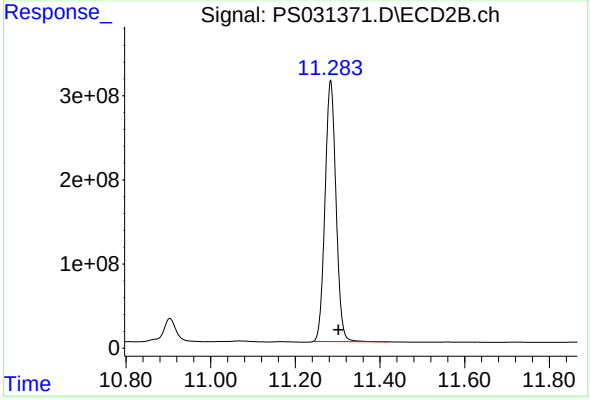
#13 2,4-DB

R.T.: 10.903 min
Delta R.T.: -0.017 min
Response: 588387541
Conc: 609.19 ng/ml



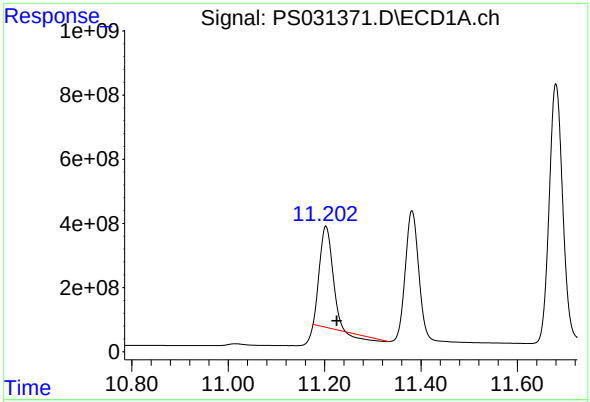
#14 DINOSEB

R.T.: 11.381 min
Delta R.T.: -0.025 min
Response: 7986464973
Conc: 696.68 ng/ml



#14 DINOSEB

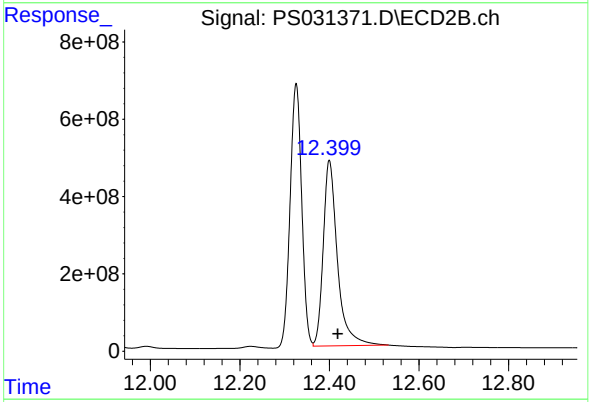
R.T.: 11.283 min
Delta R.T.: -0.019 min
Response: 5583790102
Conc: 597.84 ng/ml



#15 Picloram

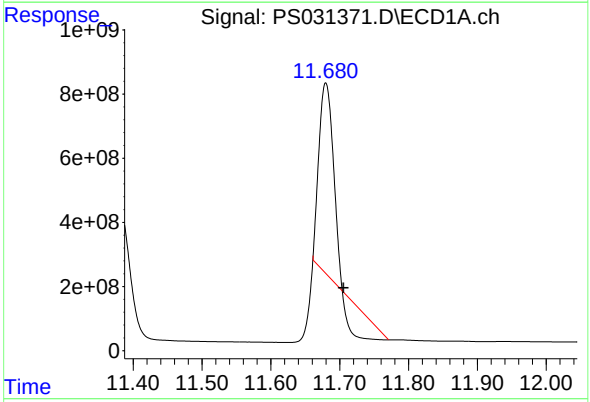
R.T.: 11.203 min
Delta R.T.: -0.023 min
Response: 5565639500
Conc: 475.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



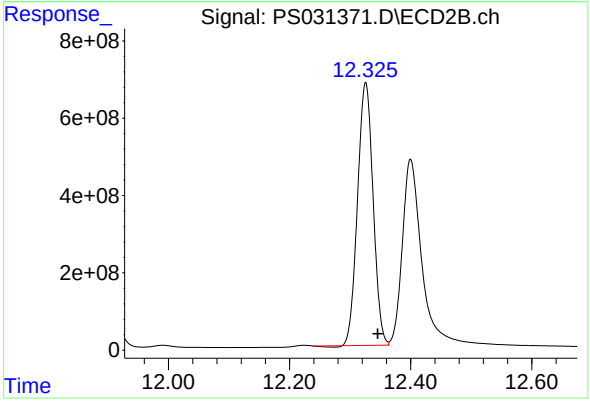
#15 Picloram

R.T.: 12.400 min
Delta R.T.: -0.019 min
Response: 10577577532
Conc: 618.76 ng/ml



#16 DCPA

R.T.: 11.680 min
Delta R.T.: -0.026 min
Response: 6372529122
Conc: 307.32 ng/ml



#16 DCPA

R.T.: 12.326 min
Delta R.T.: -0.020 min
Response: 12110211993
Conc: 649.28 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 12:50
Operator : AR\AJ
Sample : Q2747-01RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:48:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.300	7.749	510.3E6	82635928	175.152	98.956	#
		Target Compounds							
1)	T	Dalapon	0.000	2.675f	0	947.5E6	N.D.	385.772	
2)	T	3,5-DICHL...	6.458	6.732	235080	4120017	<MDL	3.188	#
3)	T	4-Nitroph...	7.102	7.307	-15821991	99001816	N.D.	76.691	
5)	T	DICAMBA	7.543f	7.986	-13022968	146.0E6	N.D.	26.937	
6)	T	MCPP	7.689	8.058	27482465	254.1E6	3.417	148.670	#
7)	T	MCPA	7.813	8.327	172.0E6	8838882	17.597	3.407	#
8)	T	DICHLORPROP	8.241f	8.723f	989.5E6	97076525	325.486	74.671	#
9)	T	2,4-D	8.448	9.023	125.8E6	17639653	48.503	12.640	#
10)	T	Pentachlo...	8.773	9.568f	15185740	36586688	<MDL	1.092	#
11)	T	2,4,5-TP ...	9.302	9.886f	7000402	342.9E6	<MDL	26.998	#
12)	T	2,4,5-T	9.589f	10.381f	76253901	144.5E6	5.733	12.384	#
13)	T	2,4-DB	10.214	10.909	331.8E6	171.6E6	189.879	177.631	
14)	T	DINOSEB	11.389	11.295	123.8E6	123.9E6	10.803	13.266	
15)	T	Picloram	11.201	12.436	11422038	140.6E6	<MDL	8.224	#
16)	T	DCPA	11.729	12.358	-64712689	62019073	N.D.	3.325	

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

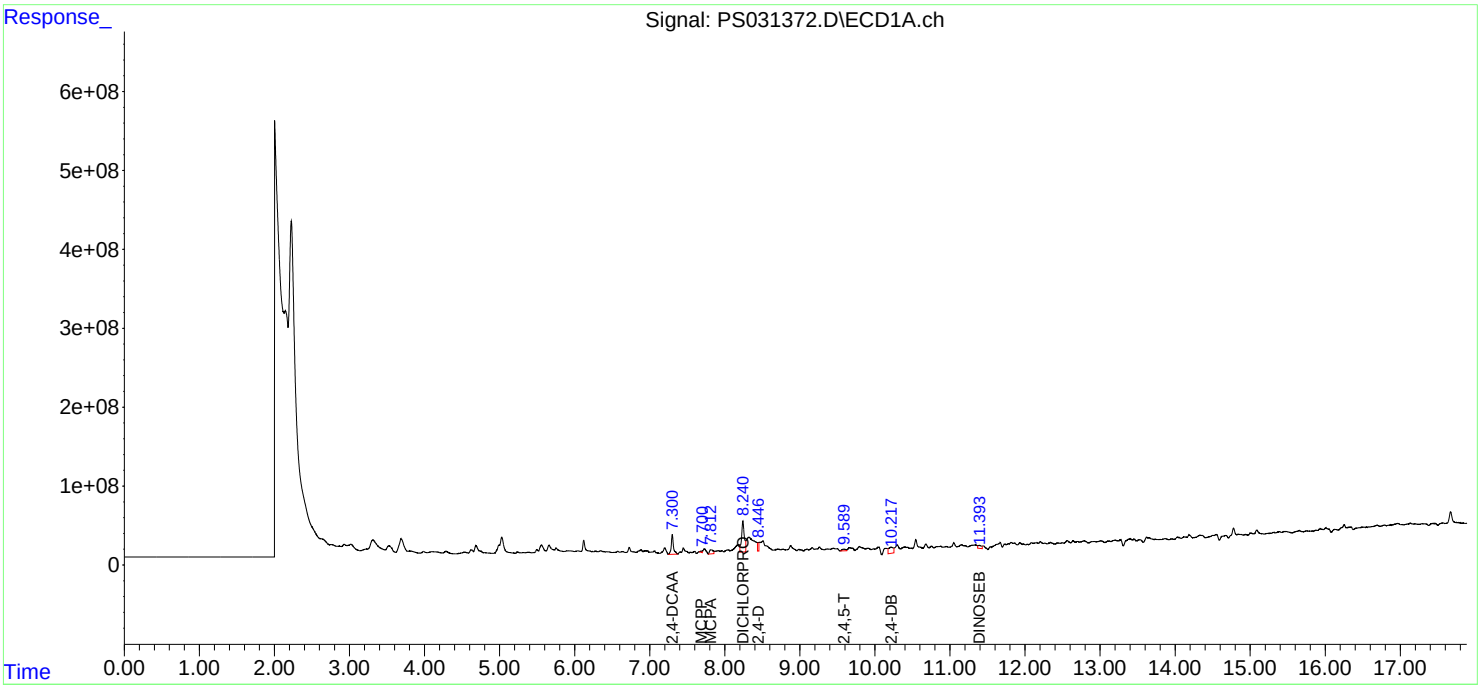
Quantitation Report (Not Reviewed)

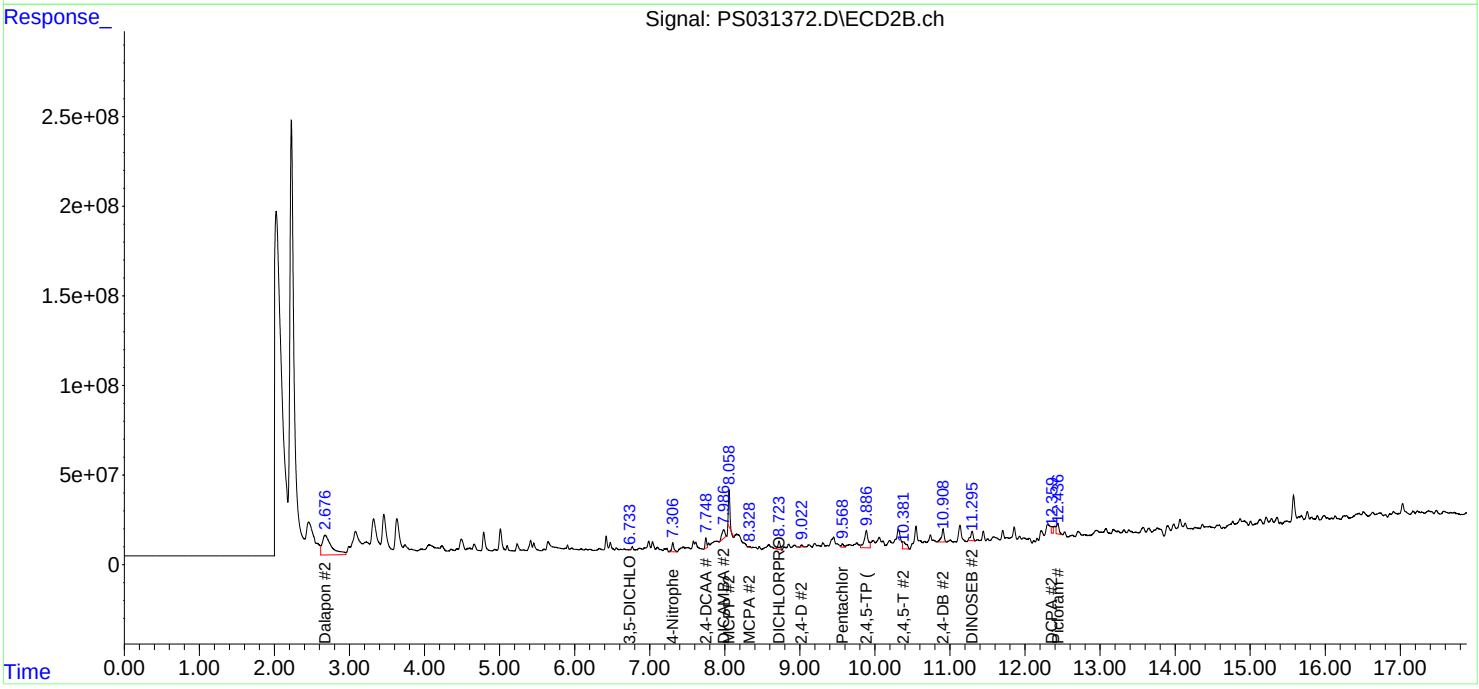
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 12:50
Operator : AR\AJ
Sample : Q2747-01RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

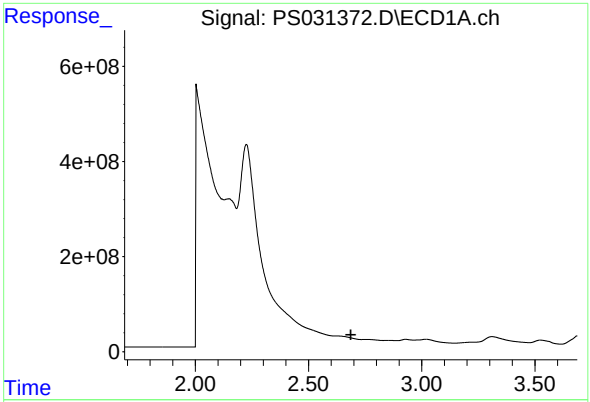
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:48:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



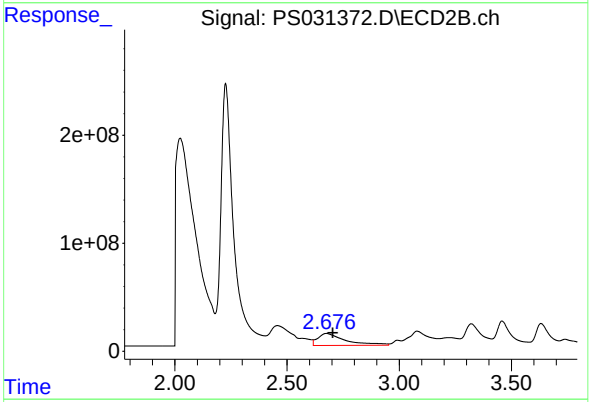




#1 Dalapon

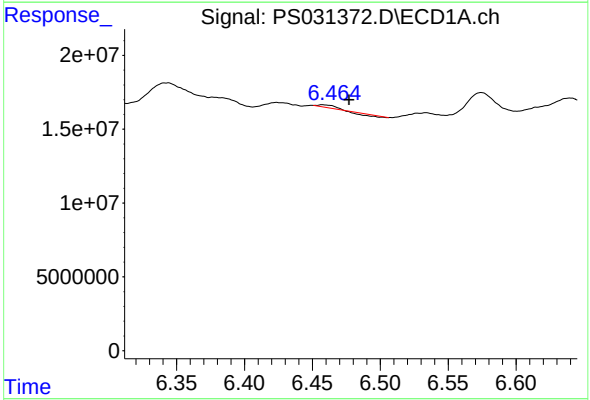
R.T.: 0.000 min
Exp R.T. : 2.687 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE



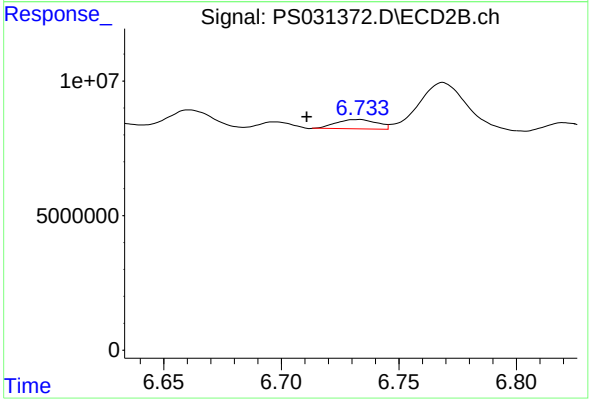
#1 Dalapon

R.T.: 2.675 min
Delta R.T.: -0.028 min
Response: 947527285
Conc: 385.77 ng/ml



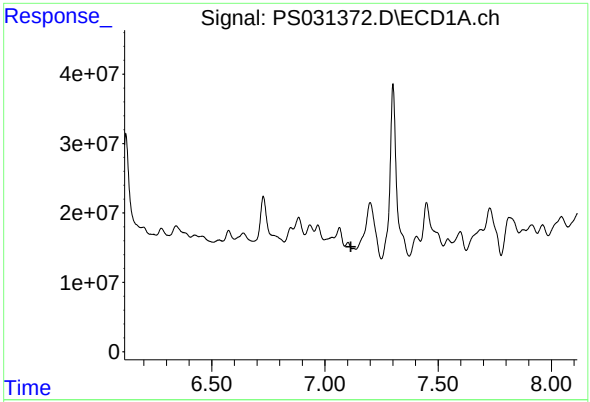
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.458 min
Delta R.T.: -0.019 min
Response: 235080
Conc: N.D.



#2 3,5-DICHLOROBENZOIC ACID

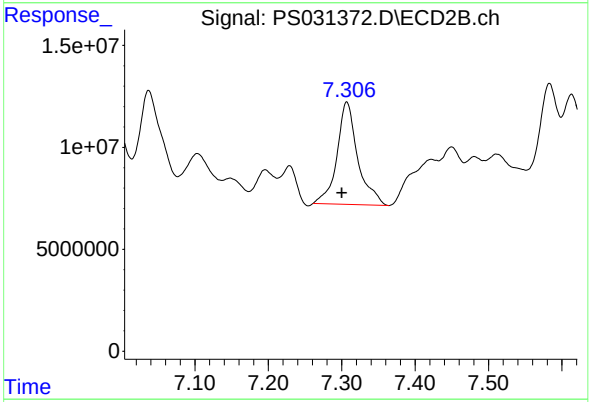
R.T.: 6.732 min
Delta R.T.: 0.022 min
Response: 4120017
Conc: 3.19 ng/ml



#3 4-Nitrophenol

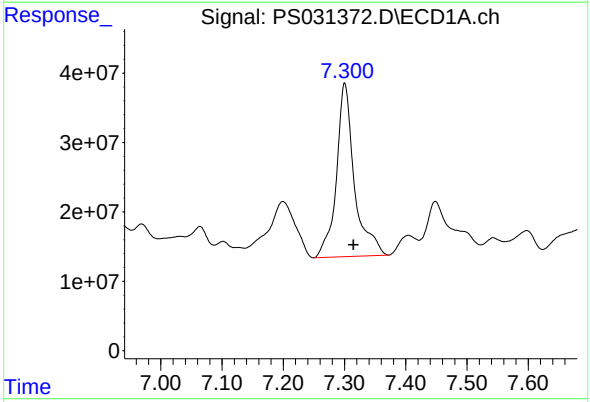
R.T.: 7.102 min
Delta R.T.: -0.013 min
Response: -15821991
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE



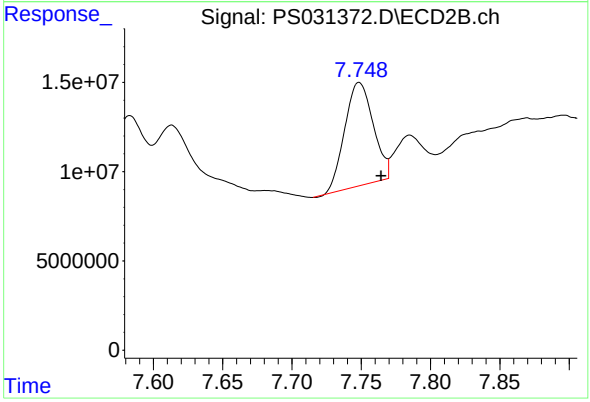
#3 4-Nitrophenol

R.T.: 7.307 min
Delta R.T.: 0.007 min
Response: 99001816
Conc: 76.69 ng/ml



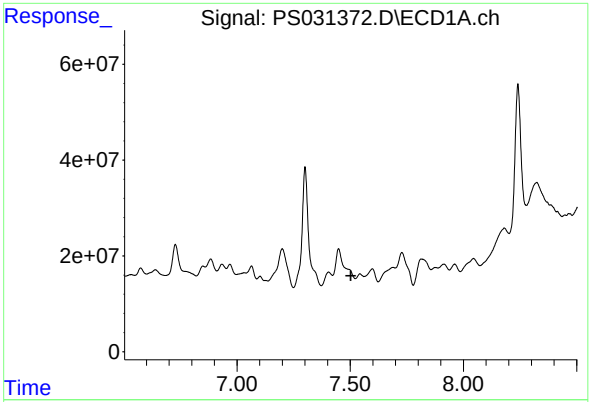
#4 2,4-DCAA

R.T.: 7.300 min
Delta R.T.: -0.014 min
Response: 510288950
Conc: 175.15 ng/ml



#4 2,4-DCAA

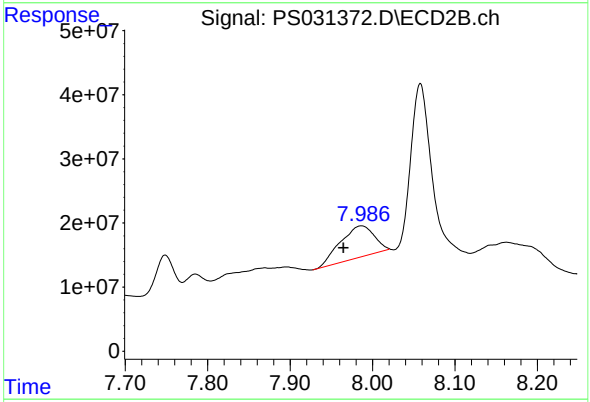
R.T.: 7.749 min
Delta R.T.: -0.016 min
Response: 82635928
Conc: 98.96 ng/ml



#5 DICAMBA

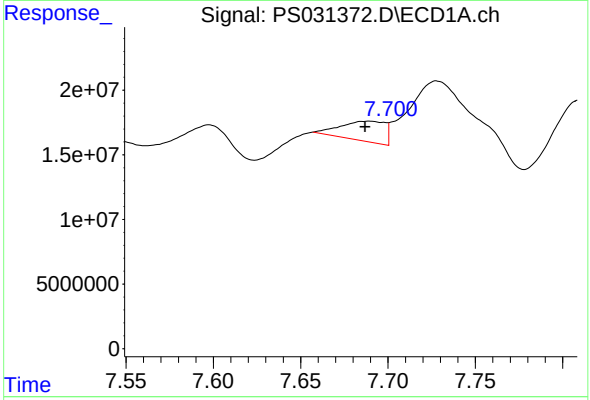
R.T.: 7.543 min
Delta R.T.: 0.040 min
Response: -13022968
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE



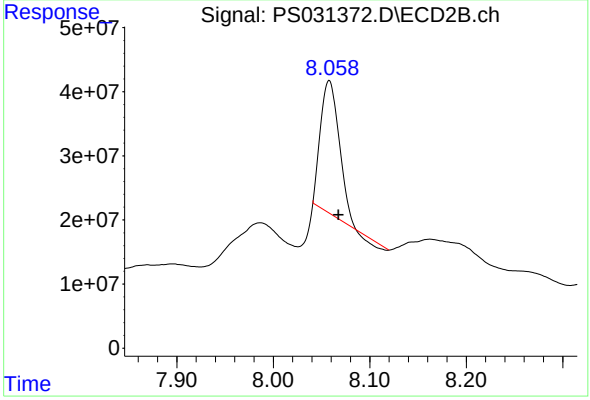
#5 DICAMBA

R.T.: 7.986 min
Delta R.T.: 0.022 min
Response: 146021041
Conc: 26.94 ng/ml



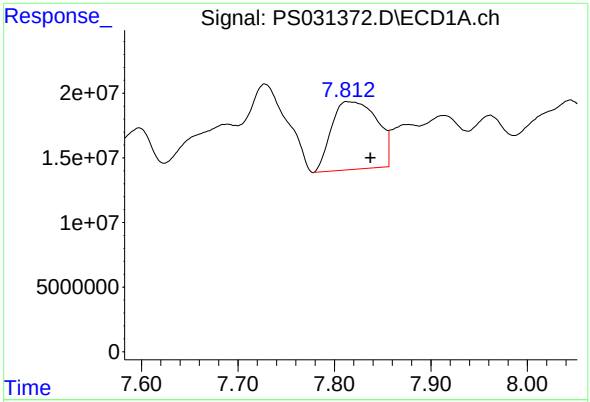
#6 MCPP

R.T.: 7.689 min
Delta R.T.: 0.002 min
Response: 27482465
Conc: 3.42 ug/ml



#6 MCPP

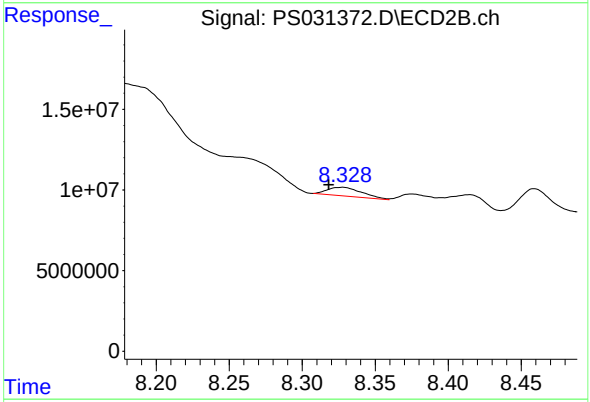
R.T.: 8.058 min
Delta R.T.: -0.009 min
Response: 254133880
Conc: 148.67 ug/ml



#7 MCPA

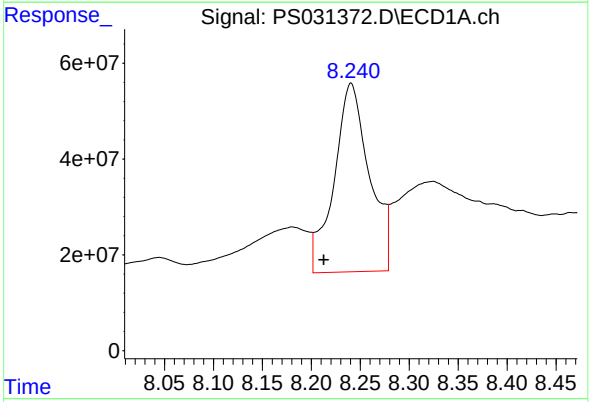
R.T.: 7.813 min
Delta R.T.: -0.025 min
Response: 172023004
Conc: 17.60 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE



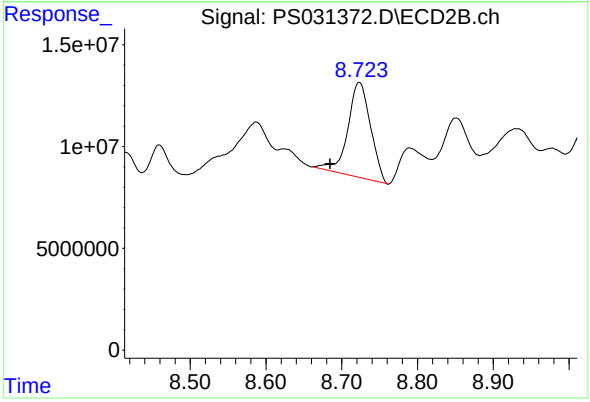
#7 MCPA

R.T.: 8.327 min
Delta R.T.: 0.009 min
Response: 8838882
Conc: 3.41 ug/ml



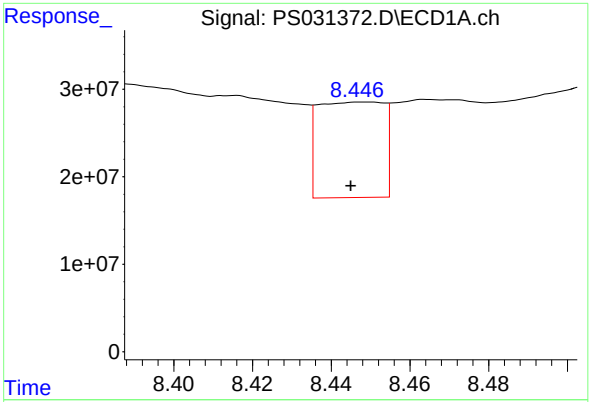
#8 DICHLORPROP

R.T.: 8.241 min
Delta R.T.: 0.028 min
Response: 989481840
Conc: 325.49 ng/ml



#8 DICHLORPROP

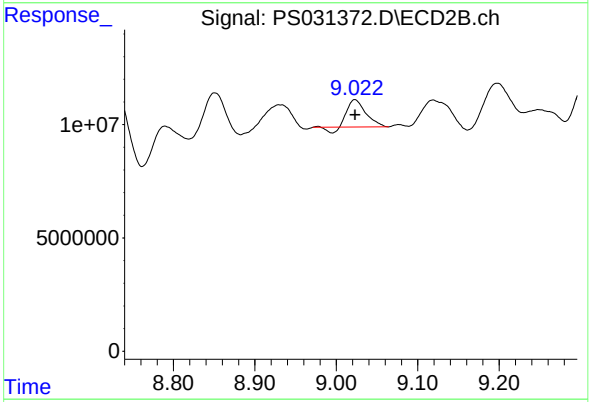
R.T.: 8.723 min
Delta R.T.: 0.039 min
Response: 97076525
Conc: 74.67 ng/ml



#9 2,4-D

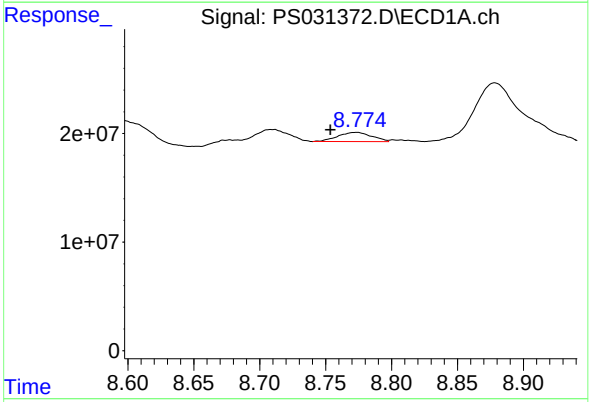
R.T.: 8.448 min
Delta R.T.: 0.003 min
Response: 125785599
Conc: 48.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE



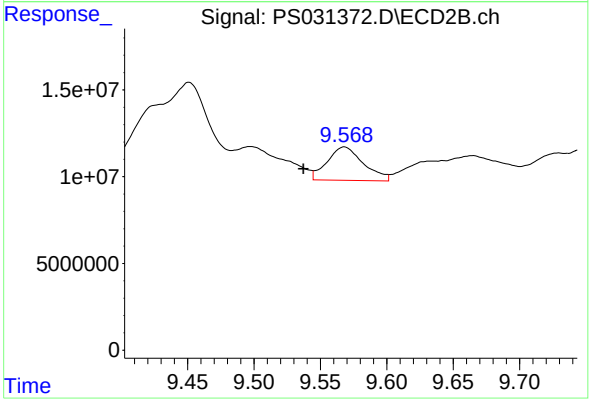
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: 0.000 min
Response: 17639653
Conc: 12.64 ng/ml



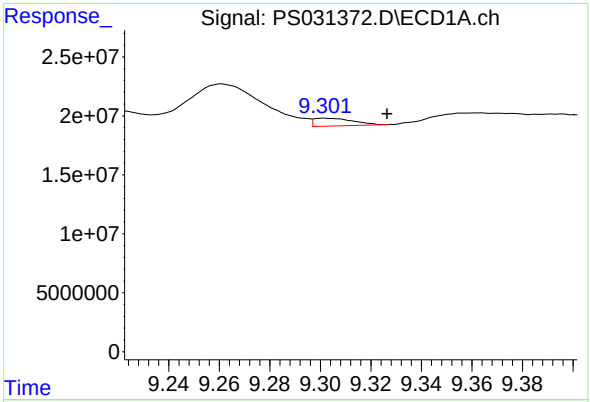
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.020 min
Response: 15185740
Conc: N.D.



#10 Pentachlorophenol

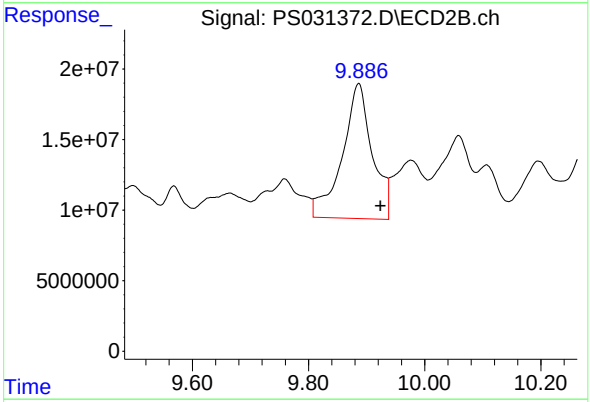
R.T.: 9.568 min
Delta R.T.: 0.031 min
Response: 36586688
Conc: 1.09 ng/ml



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

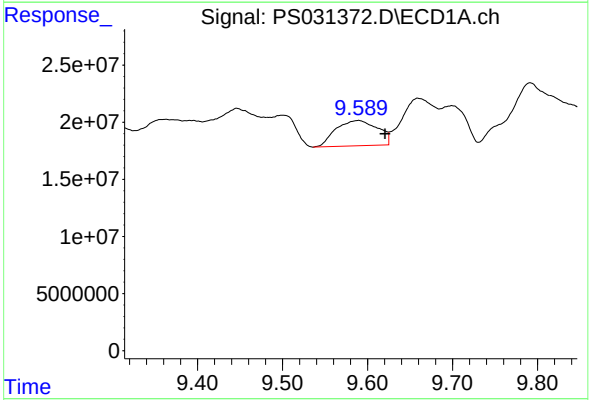
R.T.: 9.302 min
Delta R.T.: -0.025 min
Response: 7000402
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE



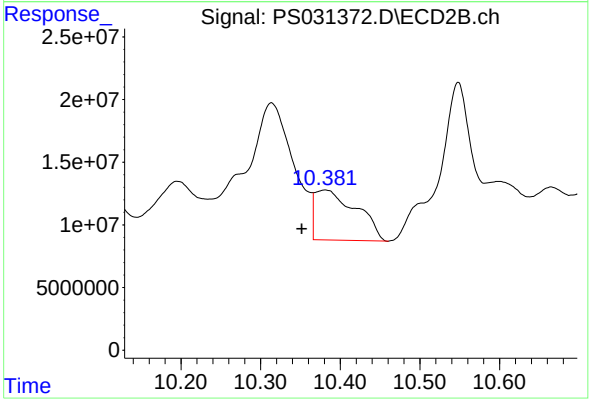
#11 2,4,5-TP (SILVEX)

R.T.: 9.886 min
Delta R.T.: -0.038 min
Response: 342946470
Conc: 27.00 ng/ml



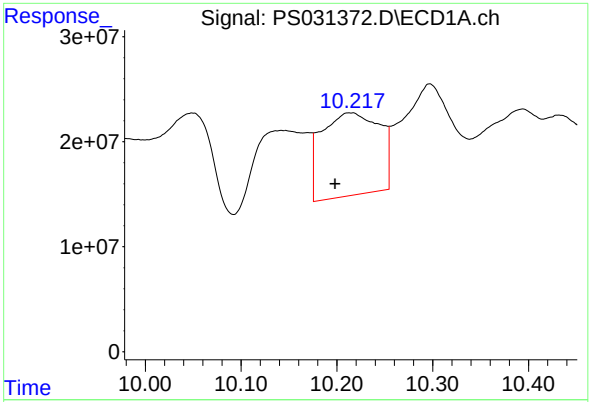
#12 2,4,5-T

R.T.: 9.589 min
Delta R.T.: -0.032 min
Response: 76253901
Conc: 5.73 ng/ml



#12 2,4,5-T

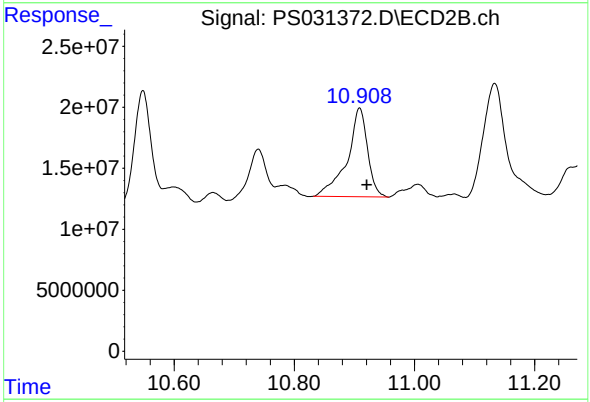
R.T.: 10.381 min
Delta R.T.: 0.030 min
Response: 144457573
Conc: 12.38 ng/ml



#13 2,4-DB

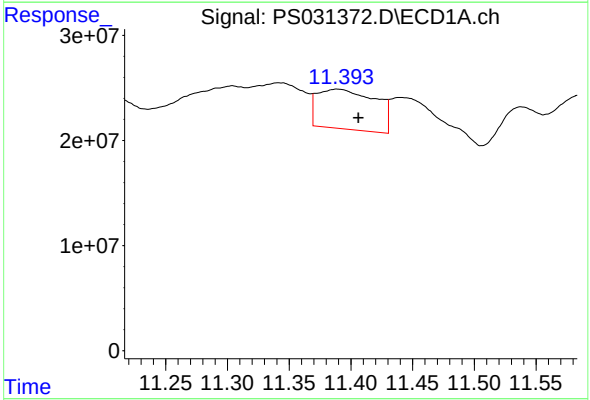
R.T.: 10.214 min
Delta R.T.: 0.016 min
Response: 331766607
Conc: 189.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE



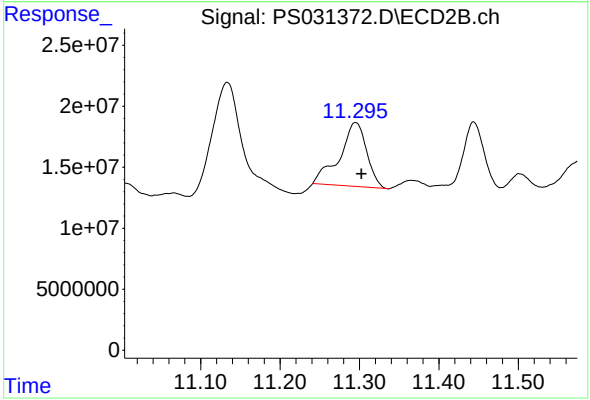
#13 2,4-DB

R.T.: 10.909 min
Delta R.T.: -0.012 min
Response: 171566343
Conc: 177.63 ng/ml



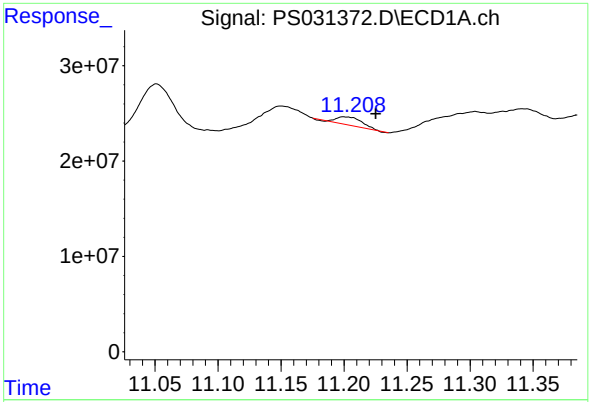
#14 DINOSEB

R.T.: 11.389 min
Delta R.T.: -0.017 min
Response: 123836478
Conc: 10.80 ng/ml



#14 DINOSEB

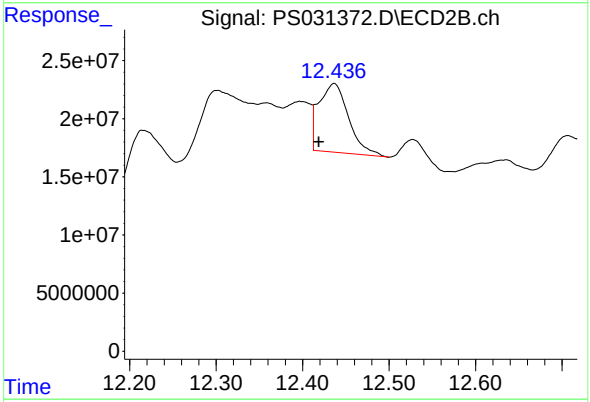
R.T.: 11.295 min
Delta R.T.: -0.007 min
Response: 123905521
Conc: 13.27 ng/ml



#15 Picloram

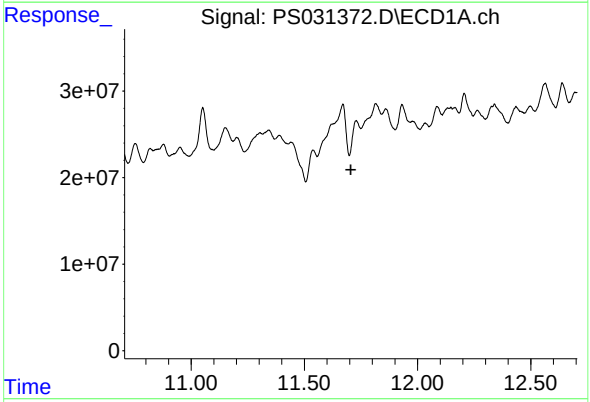
R.T.: 11.201 min
Delta R.T.: -0.024 min
Response: 11422038
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE



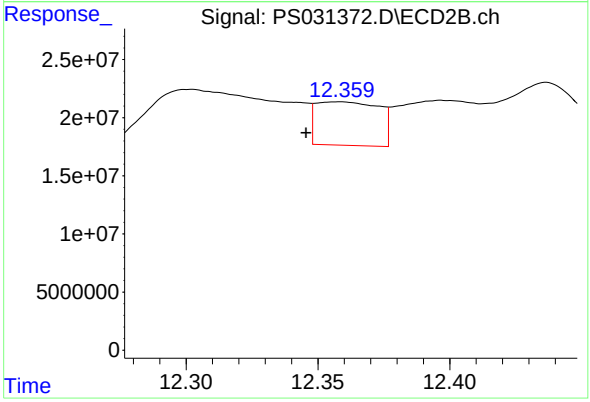
#15 Picloram

R.T.: 12.436 min
Delta R.T.: 0.018 min
Response: 140594140
Conc: 8.22 ng/ml



#16 DCPA

R.T.: 11.729 min
Delta R.T.: 0.023 min
Response: -64712689
Conc: N.D.



#16 DCPA

R.T.: 12.358 min
Delta R.T.: 0.012 min
Response: 62019073
Conc: 3.33 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 13:14
Operator : AR\AJ
Sample : Q2747-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:48:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.299	7.751	604.0E6	166.7E6	207.328	199.573	
	Target Compounds							
1) T	Dalapon	0.000	2.682	0	818.8E6	N.D.	333.345	
3) T	4-Nitroph...	7.119	7.310	6970106	104.6E6	6.846	81.054	#
5) T	DICAMBA	7.496	7.991f	3732322	29662214	<MDL	5.472	#
6) T	MCPP	7.683	8.061	14550484	221.3E6	1.809	129.464	#
7) T	MCPA	7.803f	8.271f	195.0E6	91556813	19.944	35.296	#
8) T	DICHLORPROP	8.238	8.727f	387.6E6	34572731	127.511	26.593	#
9) T	2,4-D	8.420f	9.003	27120487	8093661	10.458	5.800	#
10) T	Pentachlo...	8.765	9.571f	3948775	67481209	<MDL	2.015	#
11) T	2,4,5-TP ...	9.302	9.887f	18504677	478.4E6	1.111	37.664	#
12) T	2,4,5-T	9.585f	10.332	122.2E6	524.3E6	9.189	44.950	#
13) T	2,4-DB	10.211	10.882f	294.2E6	31825284	168.392	32.950	#
14) T	DINOSEB	11.448f	11.297	40859877	129.8E6	3.564	13.898	#
15) T	Picloram	0.000	12.396	0	197.9E6	N.D.	11.576	
16) T	DCPA	0.000	12.304f	0	51398576	N.D.	2.756	

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

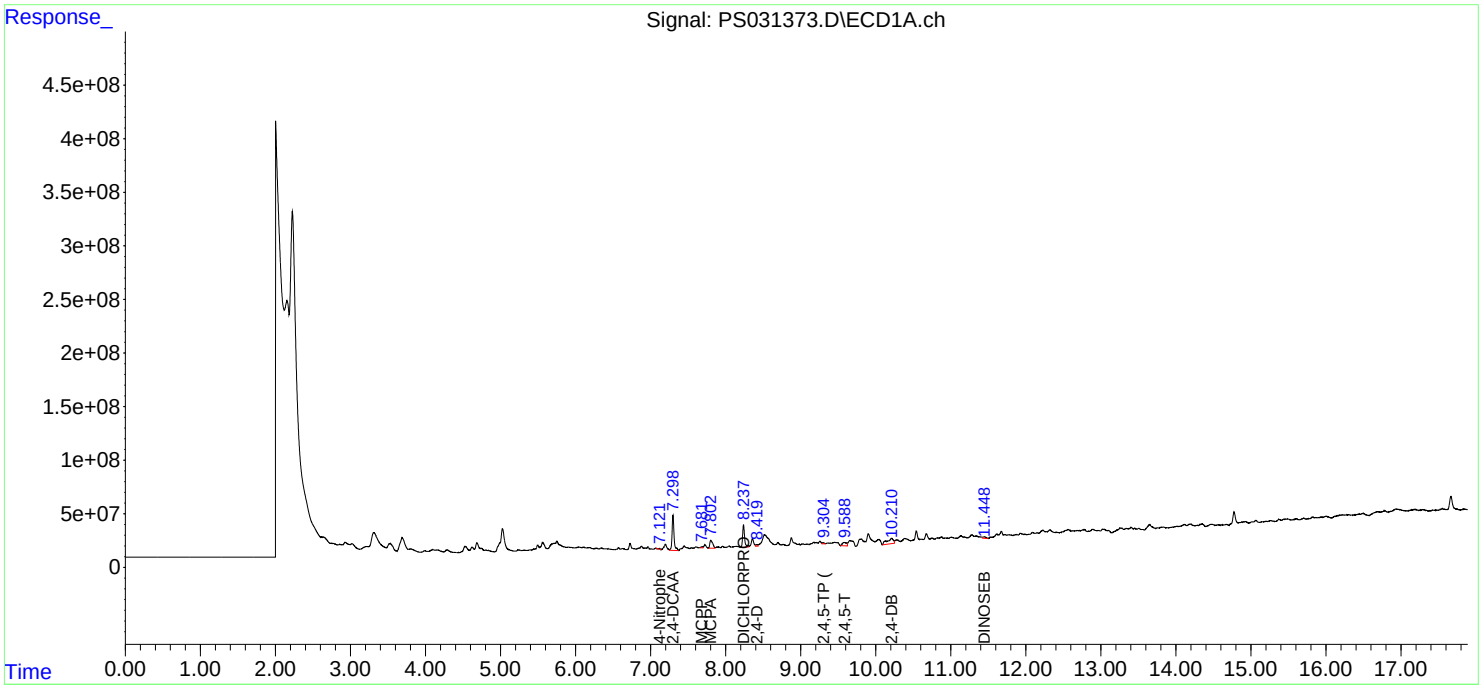
Quantitation Report (Not Reviewed)

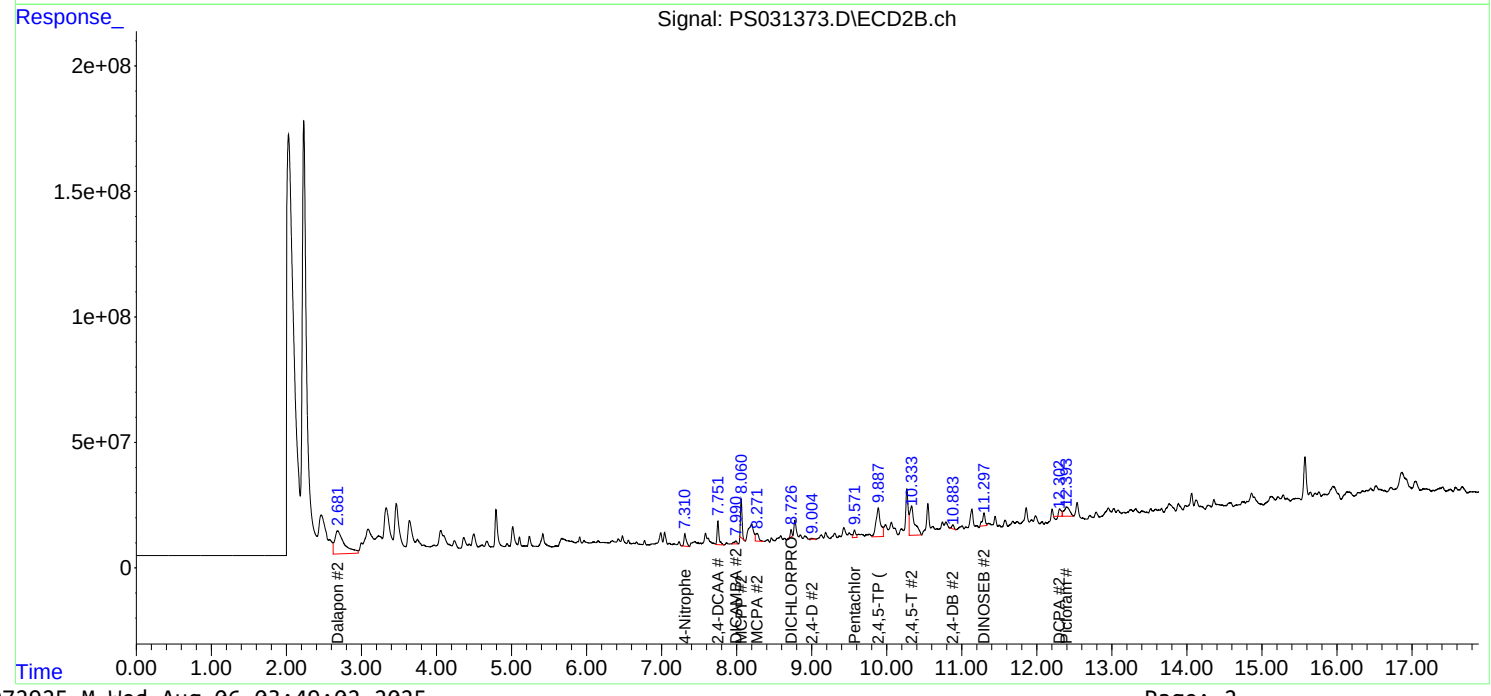
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 13:14
Operator : AR\AJ
Sample : Q2747-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

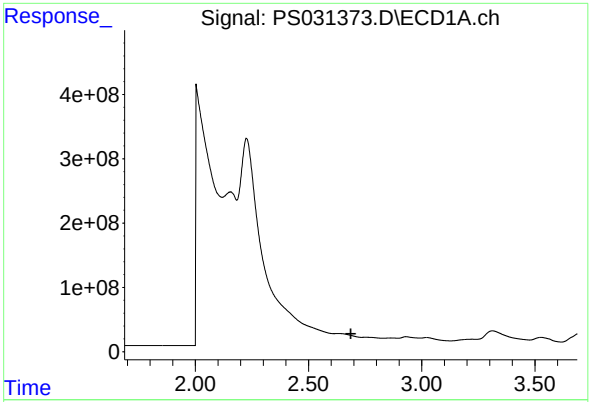
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:48:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



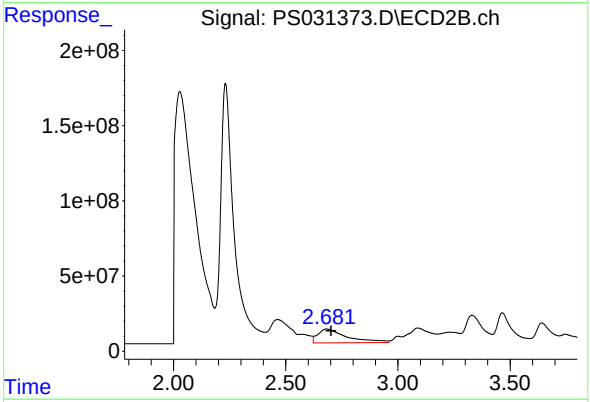




#1 Dalapon

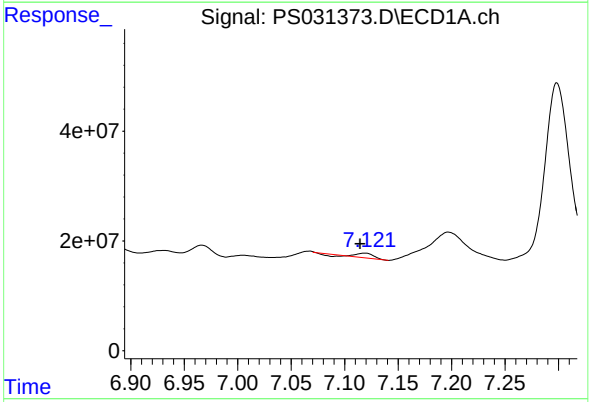
R.T.: 0.000 min
Exp R.T. : 2.687 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



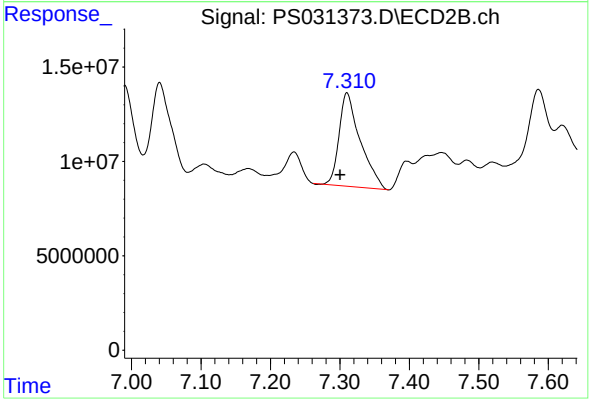
#1 Dalapon

R.T.: 2.682 min
Delta R.T.: -0.021 min
Response: 818756320
Conc: 333.34 ng/ml



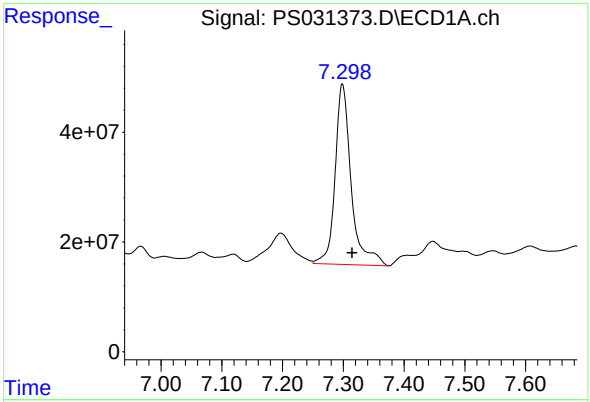
#3 4-Nitrophenol

R.T.: 7.119 min
Delta R.T.: 0.005 min
Response: 6970106
Conc: 6.85 ng/ml



#3 4-Nitrophenol

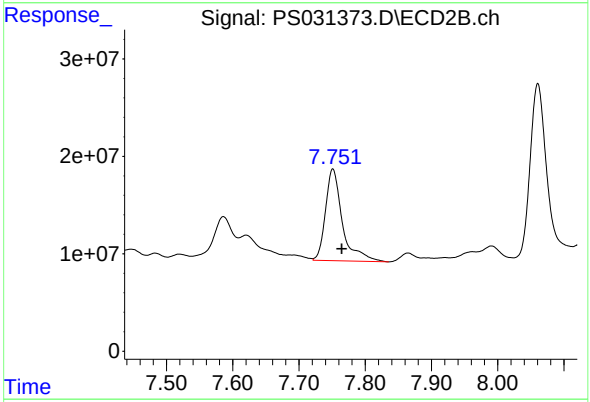
R.T.: 7.310 min
Delta R.T.: 0.010 min
Response: 104633011
Conc: 81.05 ng/ml



#4 2,4-DCAA

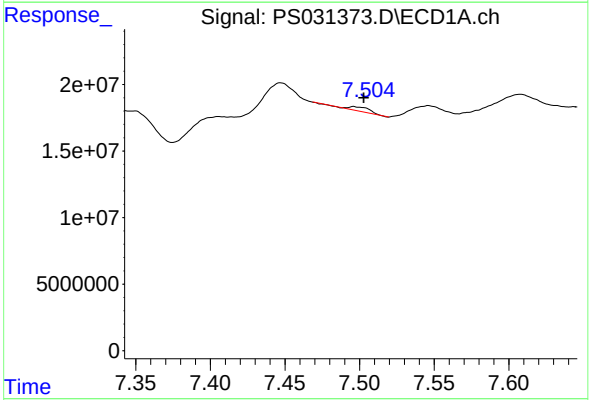
R.T.: 7.299 min
Delta R.T.: -0.016 min
Response: 604030497
Conc: 207.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



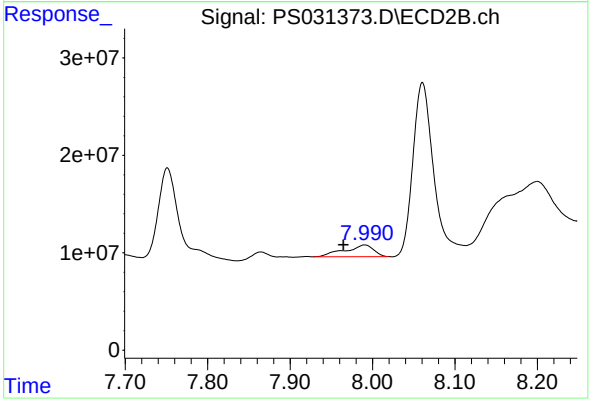
#4 2,4-DCAA

R.T.: 7.751 min
Delta R.T.: -0.013 min
Response: 166659356
Conc: 199.57 ng/ml



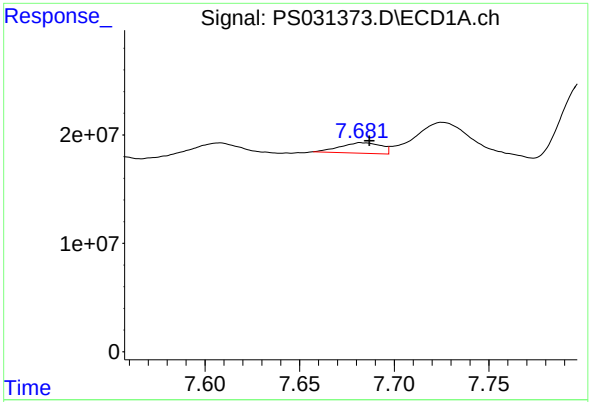
#5 DICAMBA

R.T.: 7.496 min
Delta R.T.: -0.007 min
Response: 3732322
Conc: N.D.



#5 DICAMBA

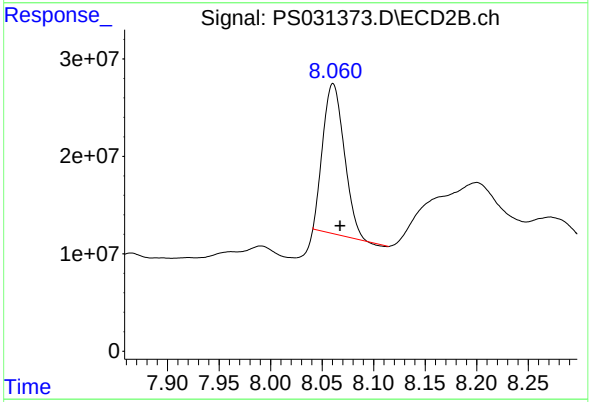
R.T.: 7.991 min
Delta R.T.: 0.026 min
Response: 29662214
Conc: 5.47 ng/ml



#6 MCPP

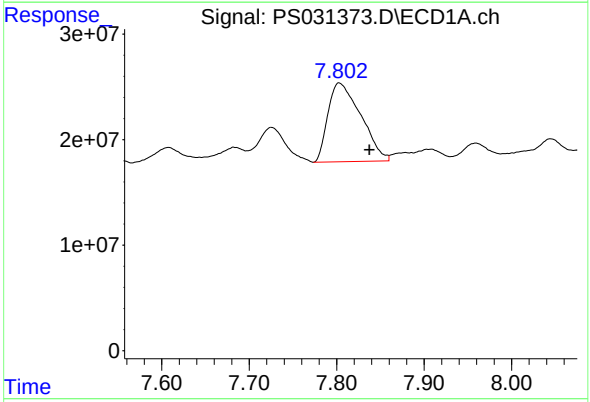
R.T.: 7.683 min
Delta R.T.: -0.004 min
Response: 14550484
Conc: 1.81 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



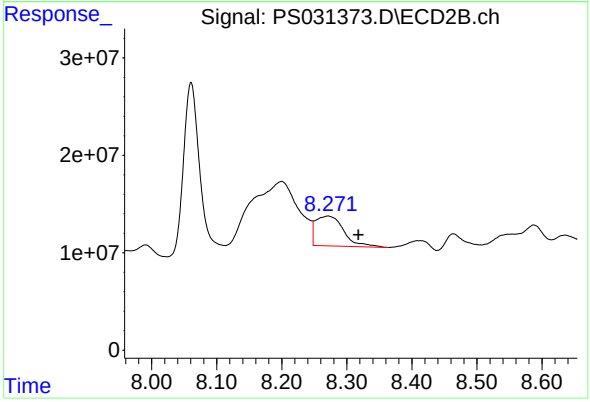
#6 MCPP

R.T.: 8.061 min
Delta R.T.: -0.007 min
Response: 221303795
Conc: 129.46 ug/ml



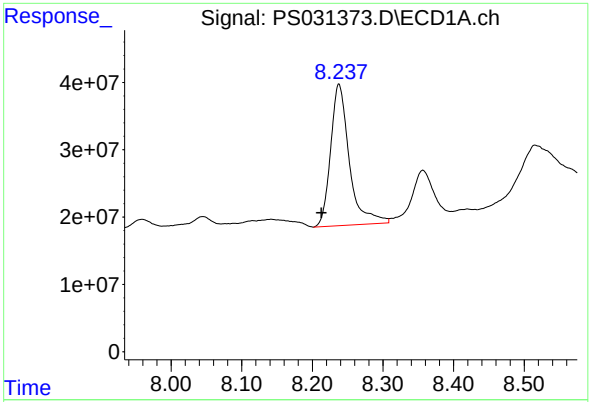
#7 MCPA

R.T.: 7.803 min
Delta R.T.: -0.035 min
Response: 194975090
Conc: 19.94 ug/ml



#7 MCPA

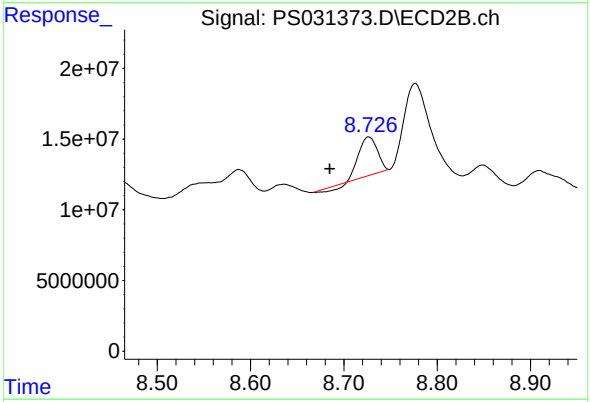
R.T.: 8.271 min
Delta R.T.: -0.047 min
Response: 91556813
Conc: 35.30 ug/ml



#8 DICHLORPROP

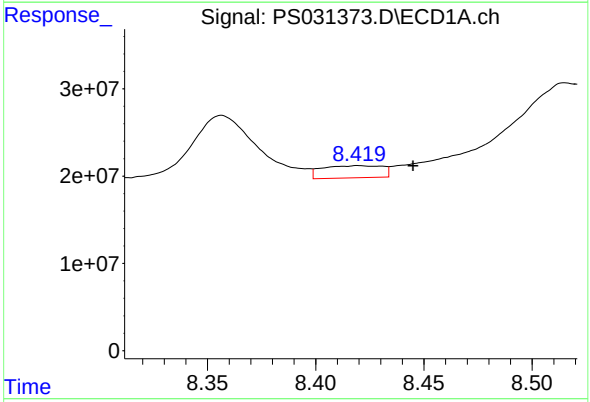
R.T.: 8.238 min
Delta R.T.: 0.025 min
Response: 387635992
Conc: 127.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



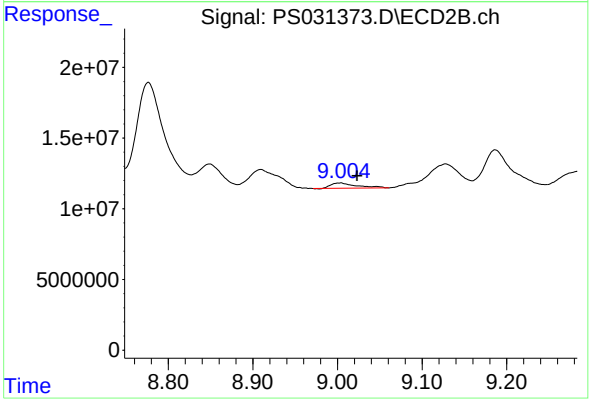
#8 DICHLORPROP

R.T.: 8.727 min
Delta R.T.: 0.042 min
Response: 34572731
Conc: 26.59 ng/ml



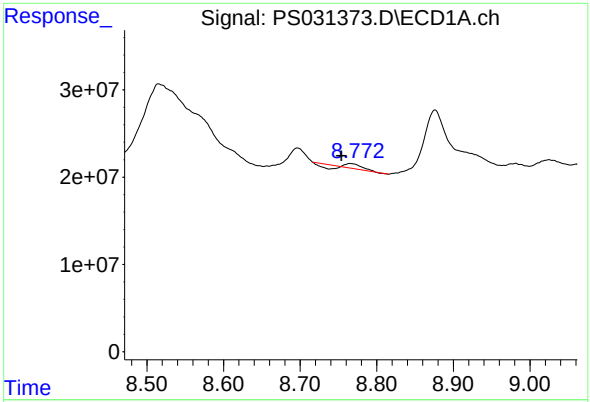
#9 2,4-D

R.T.: 8.420 min
Delta R.T.: -0.025 min
Response: 27120487
Conc: 10.46 ng/ml



#9 2,4-D

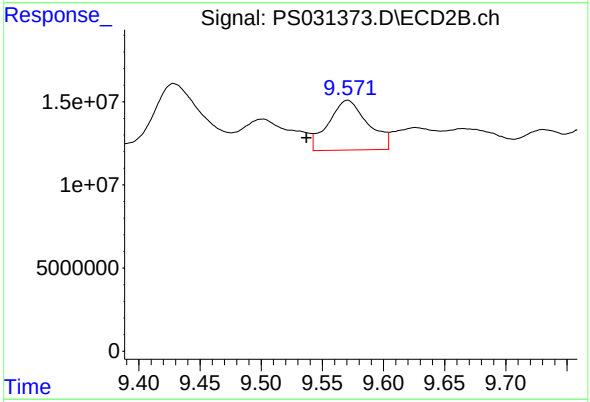
R.T.: 9.003 min
Delta R.T.: -0.020 min
Response: 8093661
Conc: 5.80 ng/ml



#10 Pentachlorophenol

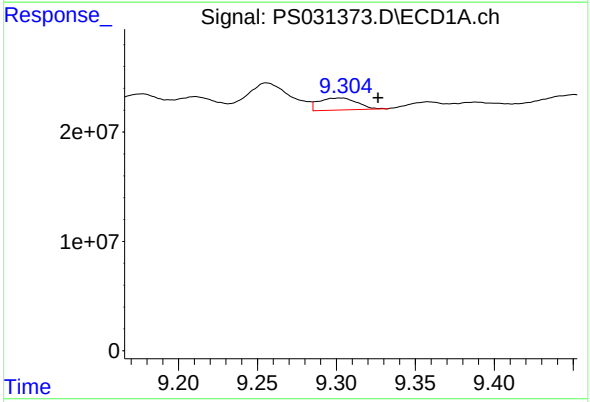
R.T.: 8.765 min
Delta R.T.: 0.012 min
Response: 3948775
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



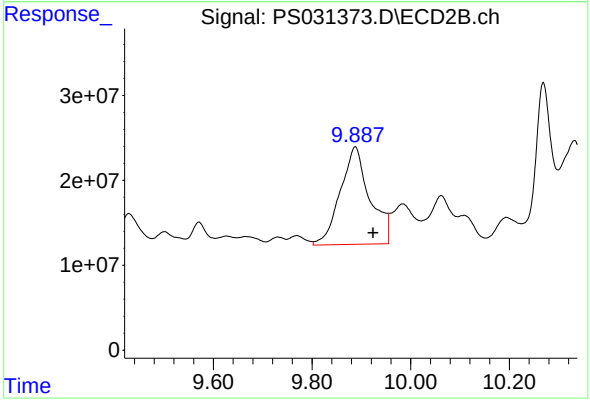
#10 Pentachlorophenol

R.T.: 9.571 min
Delta R.T.: 0.034 min
Response: 67481209
Conc: 2.01 ng/ml



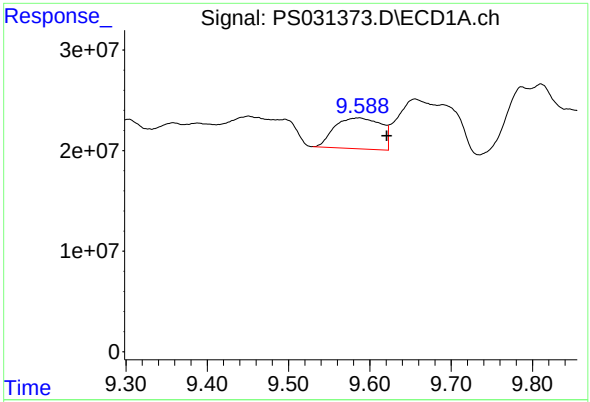
#11 2,4,5-TP (SILVEX)

R.T.: 9.302 min
Delta R.T.: -0.025 min
Response: 18504677
Conc: 1.11 ng/ml



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

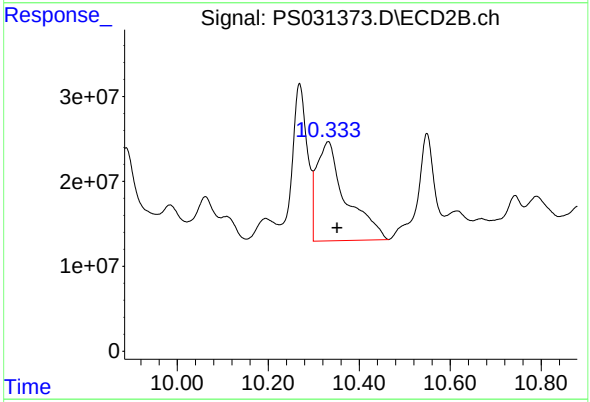
R.T.: 9.887 min
Delta R.T.: -0.036 min
Response: 478438803
Conc: 37.66 ng/ml



#12 2,4,5-T

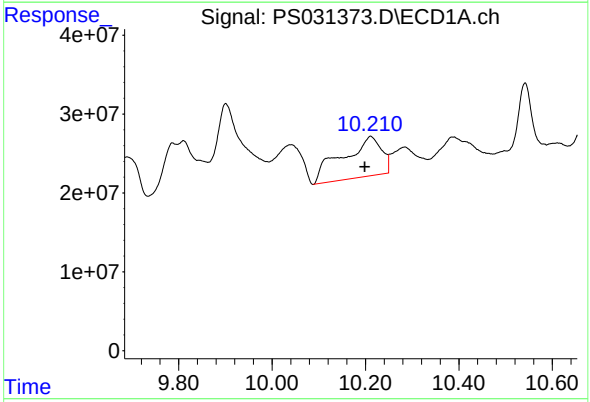
R.T.: 9.585 min
Delta R.T.: -0.036 min
Response: 122220344
Conc: 9.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



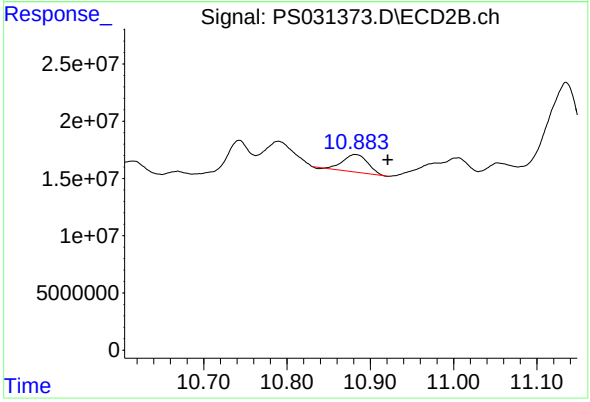
#12 2,4,5-T

R.T.: 10.332 min
Delta R.T.: -0.020 min
Response: 524326766
Conc: 44.95 ng/ml



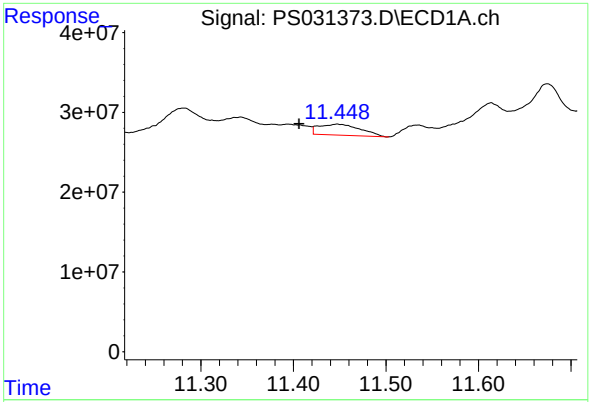
#13 2,4-DB

R.T.: 10.211 min
Delta R.T.: 0.013 min
Response: 294224399
Conc: 168.39 ng/ml



#13 2,4-DB

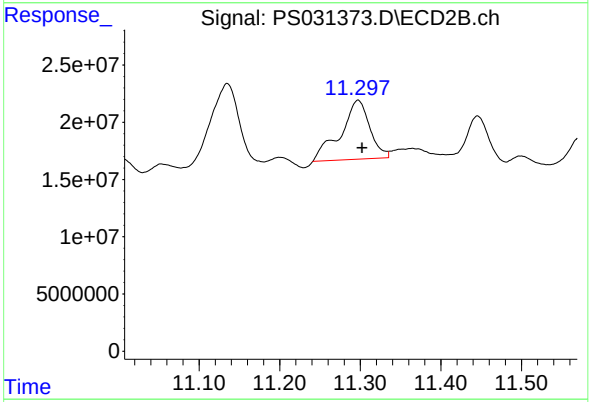
R.T.: 10.882 min
Delta R.T.: -0.039 min
Response: 31825284
Conc: 32.95 ng/ml



#14 DINOSEB

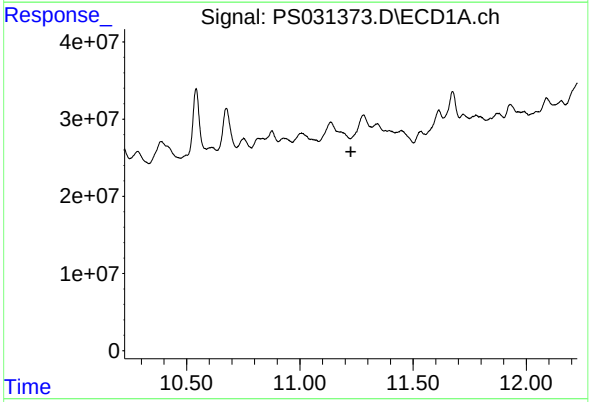
R.T.: 11.448 min
Delta R.T.: 0.042 min
Response: 40859877
Conc: 3.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



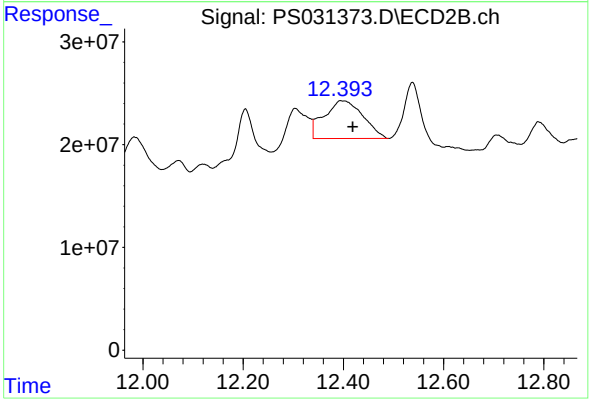
#14 DINOSEB

R.T.: 11.297 min
Delta R.T.: -0.005 min
Response: 129804758
Conc: 13.90 ng/ml



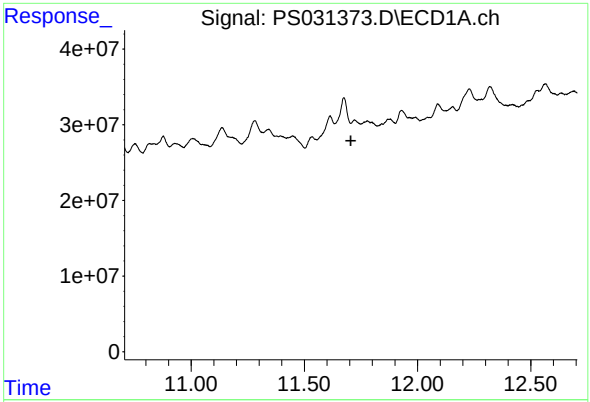
#15 Picloram

R.T.: 0.000 min
Exp R.T. : 11.225 min
Response: 0
Conc: N.D.



#15 Picloram

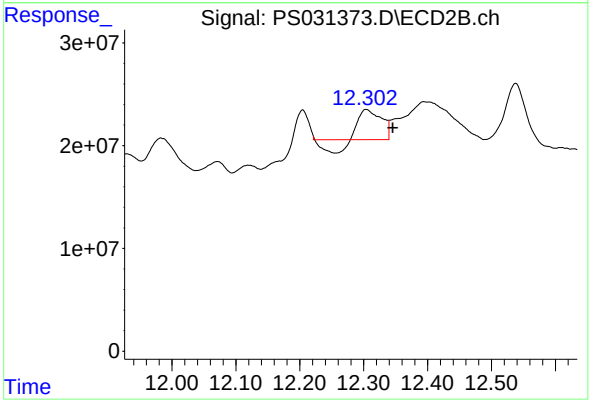
R.T.: 12.396 min
Delta R.T.: -0.023 min
Response: 197892070
Conc: 11.58 ng/ml



#16 DCPA

R.T.: 0.000 min
Exp R.T. : 11.706 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-OG3-073125



#16 DCPA

R.T.: 12.304 min
Delta R.T.: -0.041 min
Response: 51398576
Conc: 2.76 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 15:48
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: Aug 06 03:49:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.299	7.752	2127.6E6	554.4E6	730.291	663.943	
	Target Compounds							
1) T	Dalapon	2.680	2.699	2924.4E6	1472.3E6	606.151	599.420	
2) T	3,5-DICHL...	6.465	6.702	561.0E6	797.9E6	131.590	617.428	#
3) T	4-Nitroph...	7.101	7.293	719.6E6	750.8E6	706.718	581.610	
5) T	DICAMBA	7.485	7.951	7929.4E6	3243.0E6	613.706	598.244	
6) T	MCPP	7.665	0.000	119.3E6	0	14.828	N.D.	#
7) T	MCPA	7.815	8.297	661.4E6	170.5E6	67.651	65.748	
8) T	DICHLORPROP	8.194	8.670	2026.2E6	778.3E6	666.526	598.681	
9) T	2,4-D	8.427	9.008	1923.2E6	864.2E6	741.601	619.273	
10) T	Pentachlo...	8.726f	9.522	28763.2E6	22243.9E6	632.454	664.069	
11) T	2,4,5-TP ...	9.305	9.907	12072.3E6	8207.4E6	724.572	646.110	
12) T	2,4,5-T	9.600	10.335	10662.3E6	7546.6E6	801.636	646.962	
13) T	2,4-DB	10.175	10.903	1459.2E6	608.8E6	835.149	630.299	
14) T	DINOSEB	11.381f	11.283	7692.2E6	5418.4E6	671.015	580.133	
15) T	Picloram	11.200	12.399	5419.2E6	11541.3E6	462.802	675.130	#
16) T	DCPA	11.679f	12.326	5265.1E6	12334.9E6	253.910	661.326	#

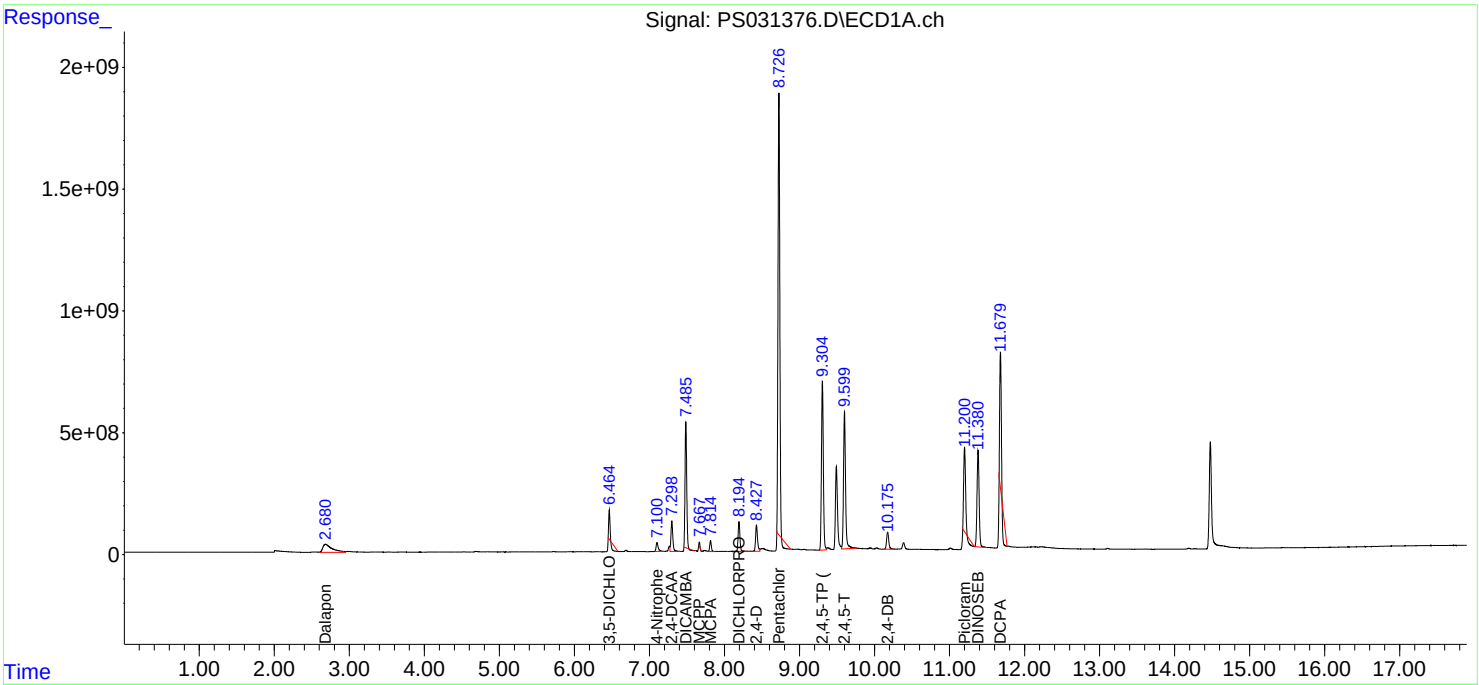
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

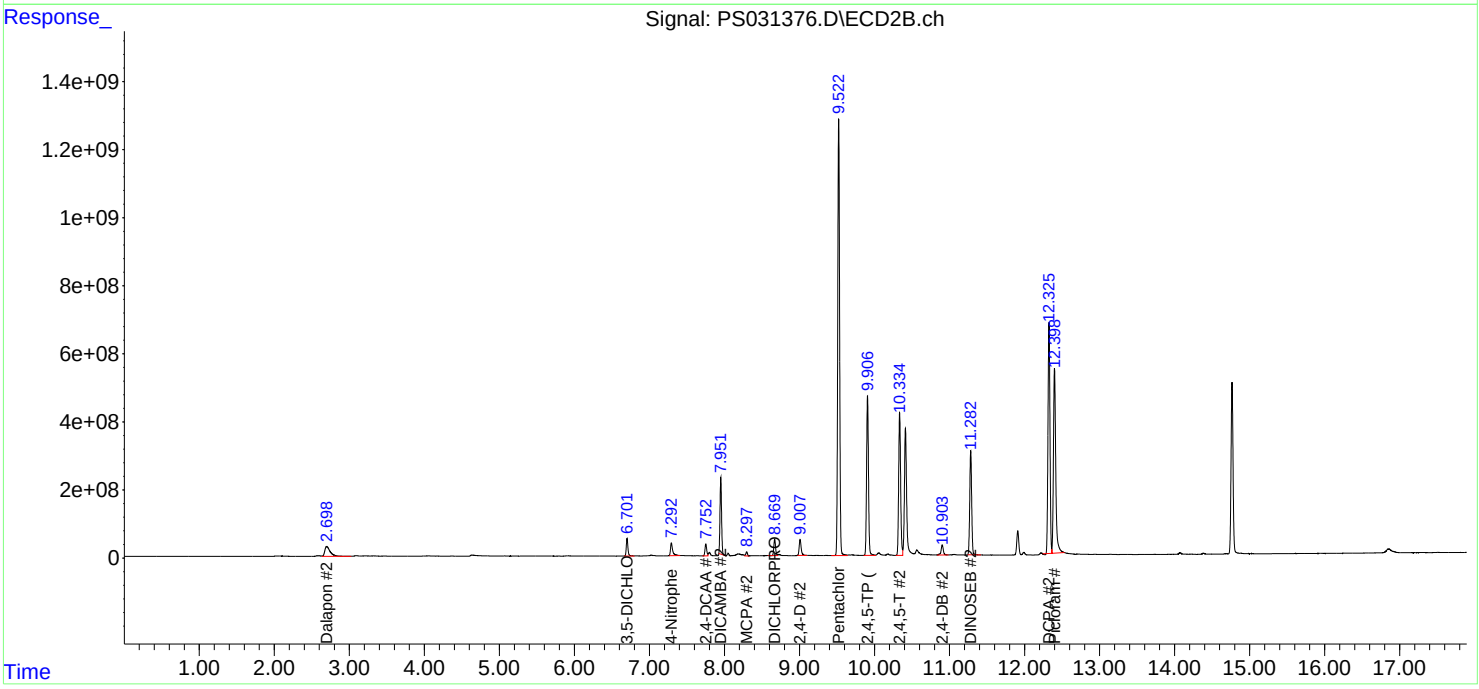
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080525\
Data File : PS031376.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Aug 2025 15:48
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

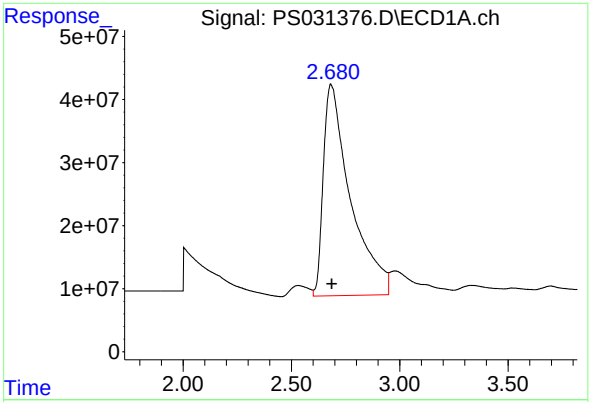
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 03:49:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



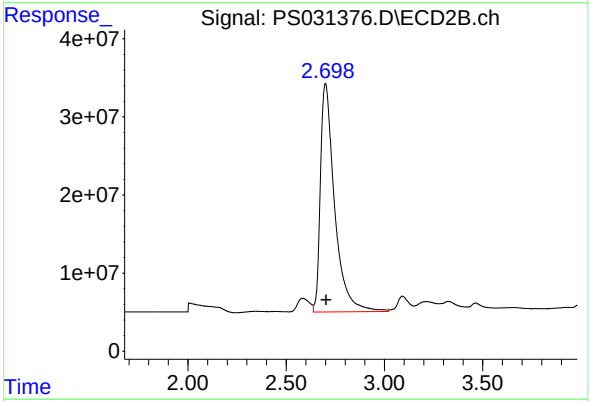




#1 Dalapon

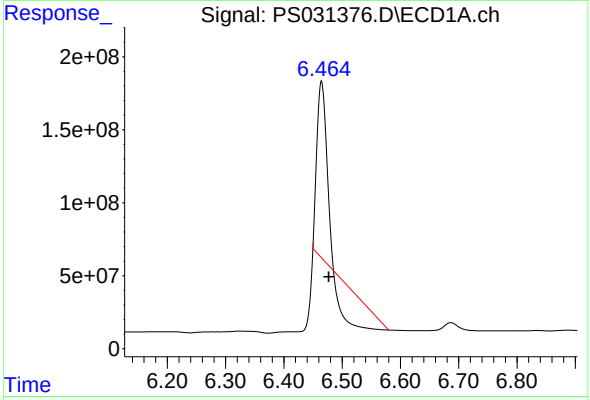
R.T.: 2.680 min
Delta R.T.: -0.007 min
Response: 2924410980
Conc: 606.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



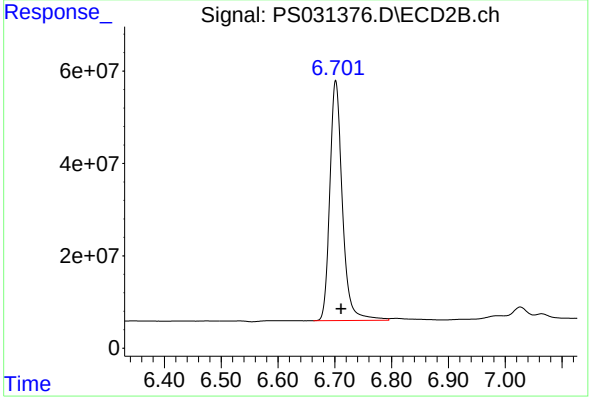
#1 Dalapon

R.T.: 2.699 min
Delta R.T.: -0.004 min
Response: 1472287008
Conc: 599.42 ng/ml



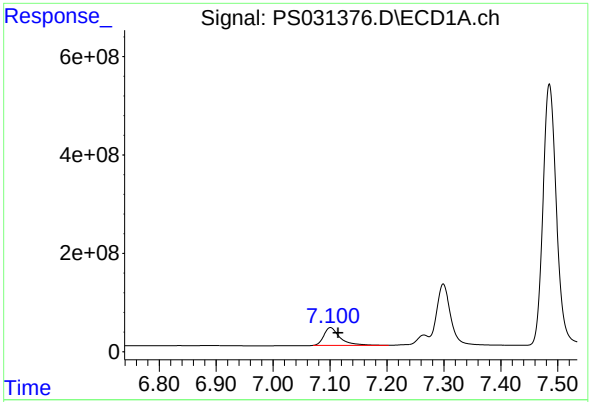
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.465 min
Delta R.T.: -0.012 min
Response: 560960875
Conc: 131.59 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

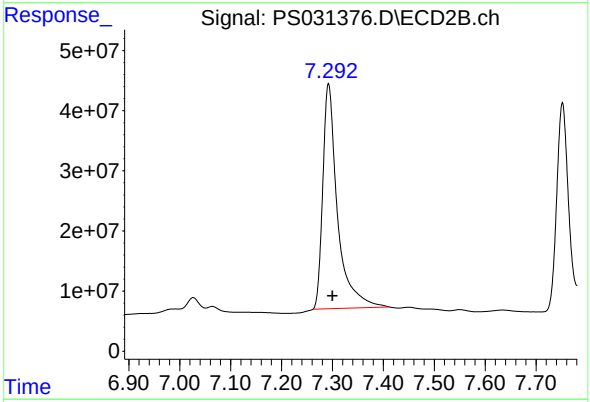
R.T.: 6.702 min
Delta R.T.: -0.009 min
Response: 797884367
Conc: 617.43 ng/ml



#3 4-Nitrophenol

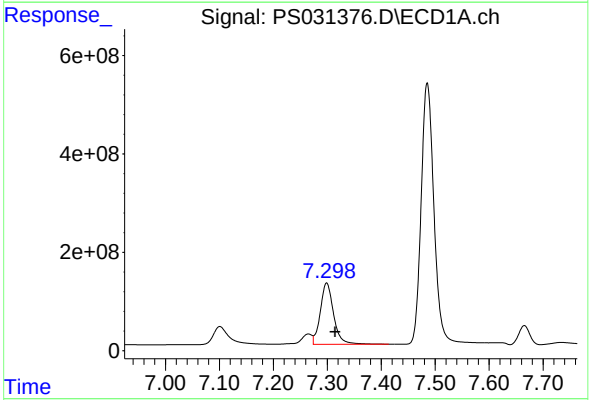
R.T.: 7.101 min
Delta R.T.: -0.014 min
Response: 719580597
Conc: 706.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



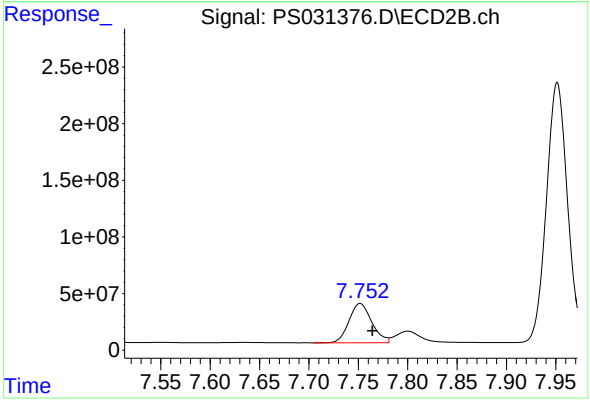
#3 4-Nitrophenol

R.T.: 7.293 min
Delta R.T.: -0.008 min
Response: 750808002
Conc: 581.61 ng/ml



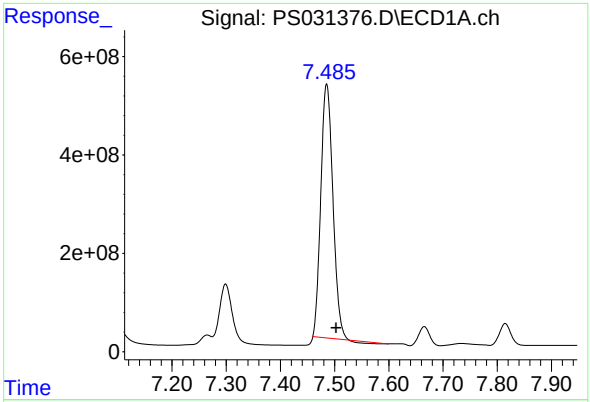
#4 2,4-DCAA

R.T.: 7.299 min
Delta R.T.: -0.016 min
Response: 2127633385
Conc: 730.29 ng/ml



#4 2,4-DCAA

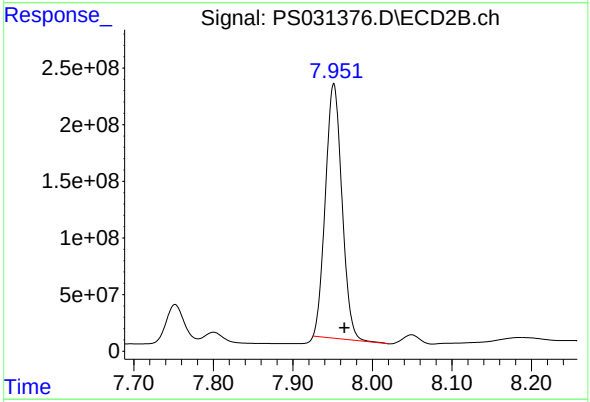
R.T.: 7.752 min
Delta R.T.: -0.012 min
Response: 554446238
Conc: 663.94 ng/ml



#5 DICAMBA

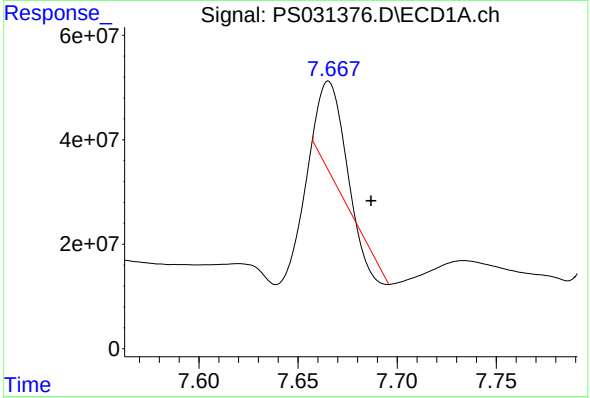
R.T.: 7.485 min
Delta R.T.: -0.018 min
Response: 7929441470
Conc: 613.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



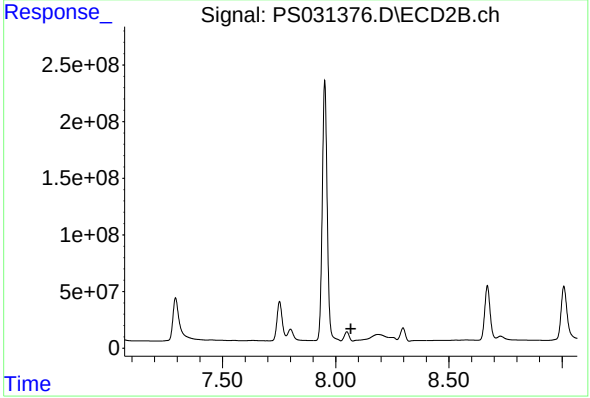
#5 DICAMBA

R.T.: 7.951 min
Delta R.T.: -0.013 min
Response: 3242990453
Conc: 598.24 ng/ml



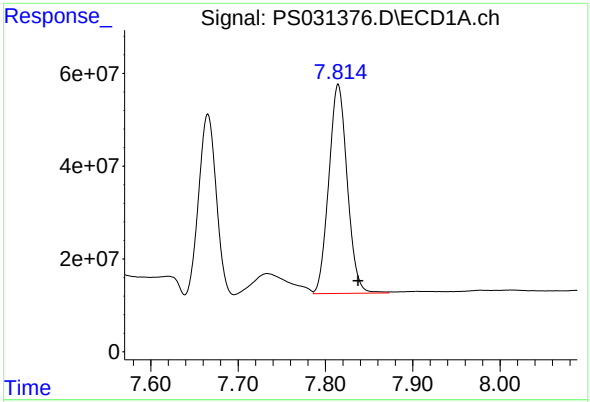
#6 MCPP

R.T.: 7.665 min
Delta R.T.: -0.022 min
Response: 119257787
Conc: 14.83 ug/ml



#6 MCPP

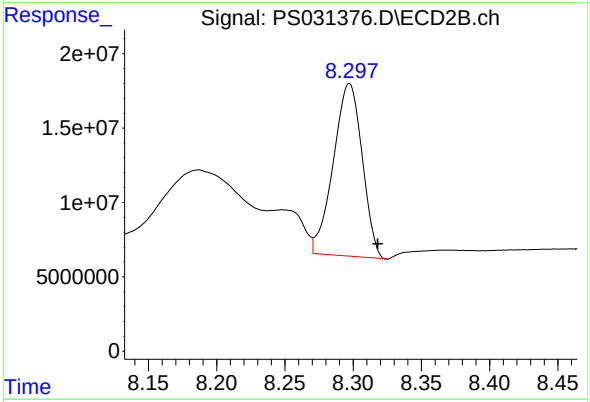
R.T.: 0.000 min
Exp R.T. : 8.067 min
Response: 0
Conc: N.D.



#7 MCPA

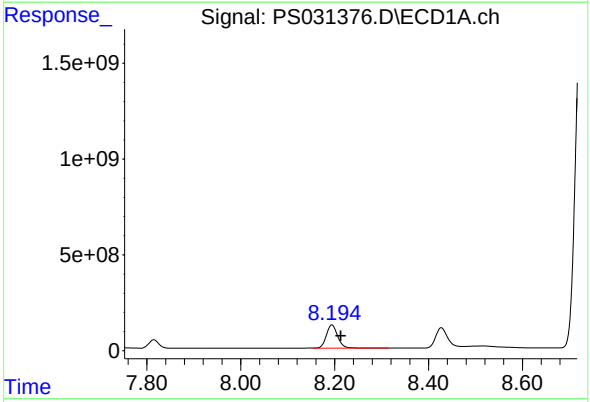
R.T.: 7.815 min
Delta R.T.: -0.023 min
Response: 661355204
Conc: 67.65 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



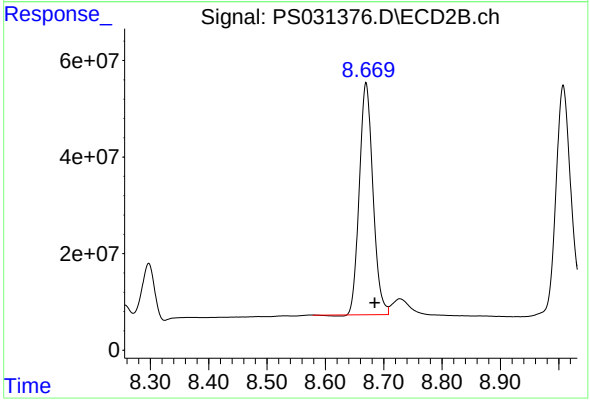
#7 MCPA

R.T.: 8.297 min
Delta R.T.: -0.021 min
Response: 170547837
Conc: 65.75 ug/ml



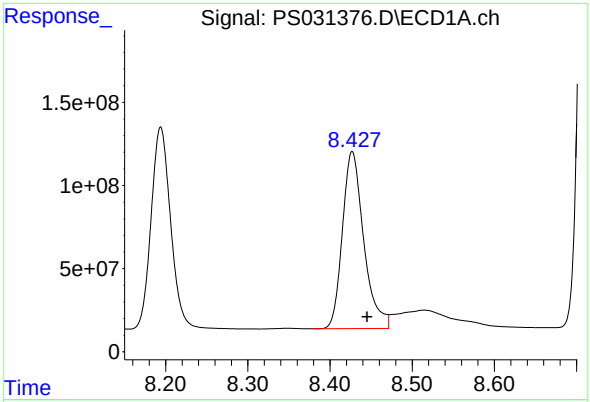
#8 DICHLORPROP

R.T.: 8.194 min
Delta R.T.: -0.019 min
Response: 2026247029
Conc: 666.53 ng/ml



#8 DICHLORPROP

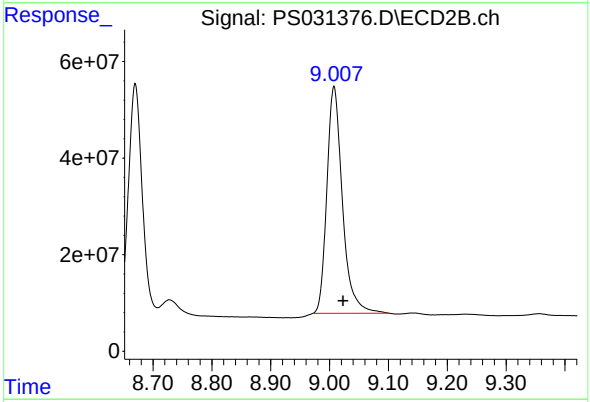
R.T.: 8.670 min
Delta R.T.: -0.015 min
Response: 778319516
Conc: 598.68 ng/ml



#9 2,4-D

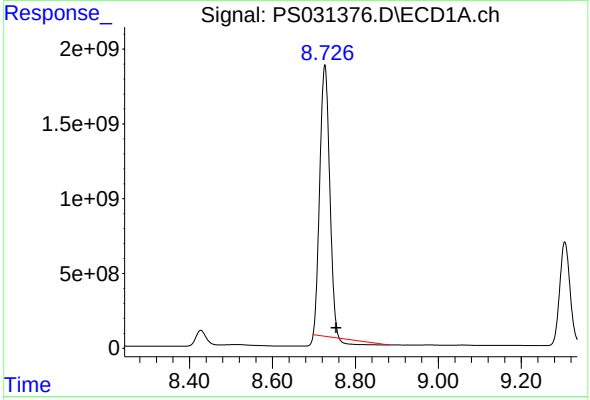
R.T.: 8.427 min
Delta R.T.: -0.018 min
Response: 1923222252
Conc: 741.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



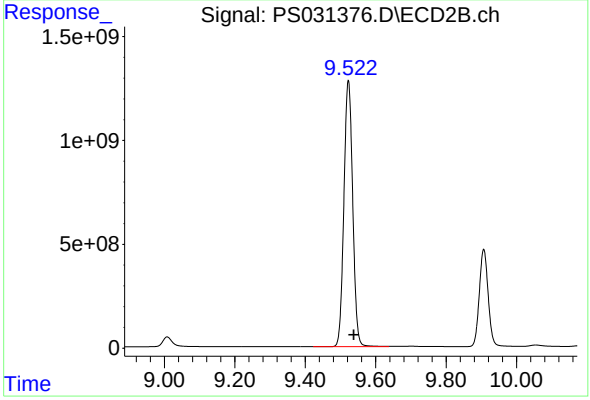
#9 2,4-D

R.T.: 9.008 min
Delta R.T.: -0.015 min
Response: 864214537
Conc: 619.27 ng/ml



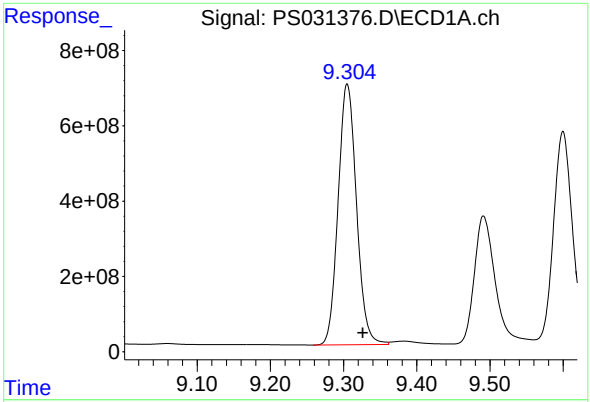
#10 Pentachlorophenol

R.T.: 8.726 min
Delta R.T.: -0.027 min
Response: 28763229281
Conc: 632.45 ng/ml



#10 Pentachlorophenol

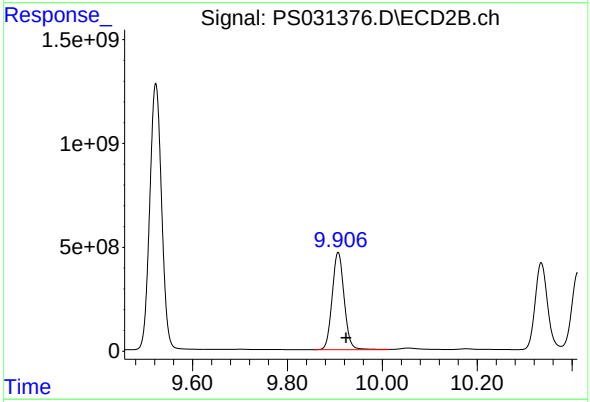
R.T.: 9.522 min
Delta R.T.: -0.015 min
Response: 22243905550
Conc: 664.07 ng/ml



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

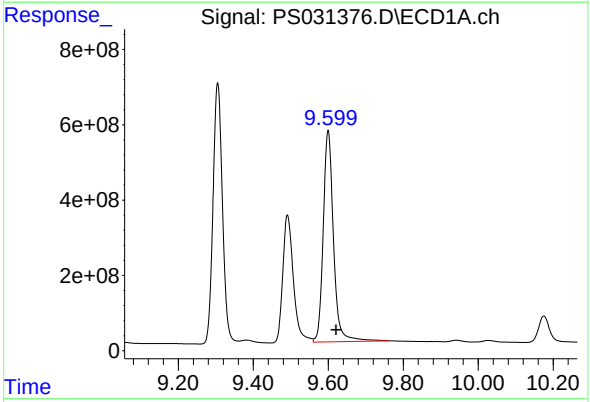
R.T.: 9.305 min
Delta R.T.: -0.021 min
Response: 12072274537
Conc: 724.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



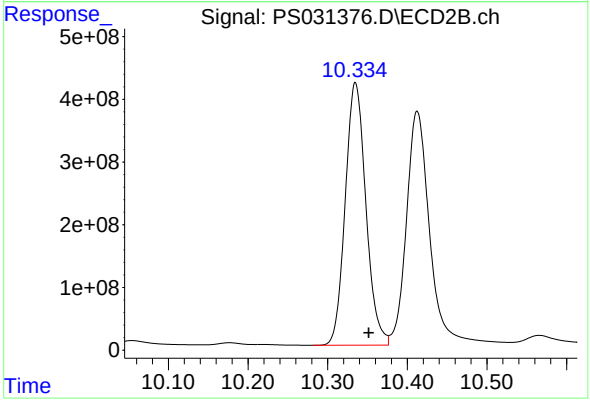
#11 2,4,5-TP (SILVEX)

R.T.: 9.907 min
Delta R.T.: -0.017 min
Response: 8207409773
Conc: 646.11 ng/ml



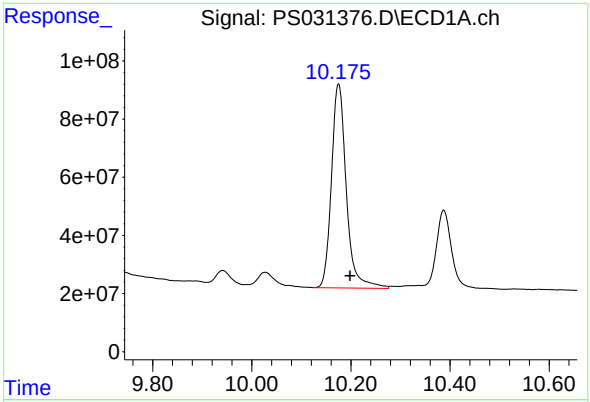
#12 2,4,5-T

R.T.: 9.600 min
Delta R.T.: -0.021 min
Response: 10662344483
Conc: 801.64 ng/ml



#12 2,4,5-T

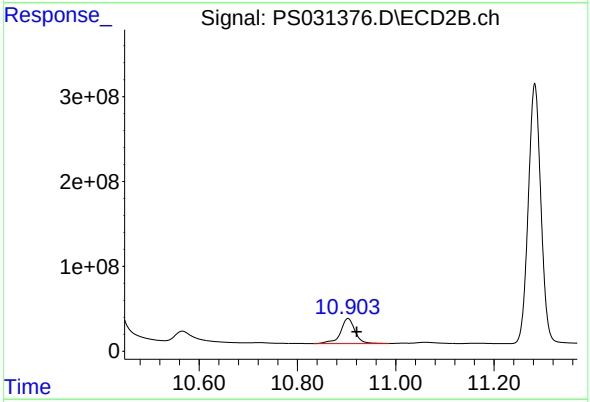
R.T.: 10.335 min
Delta R.T.: -0.017 min
Response: 7546596582
Conc: 646.96 ng/ml



#13 2,4-DB

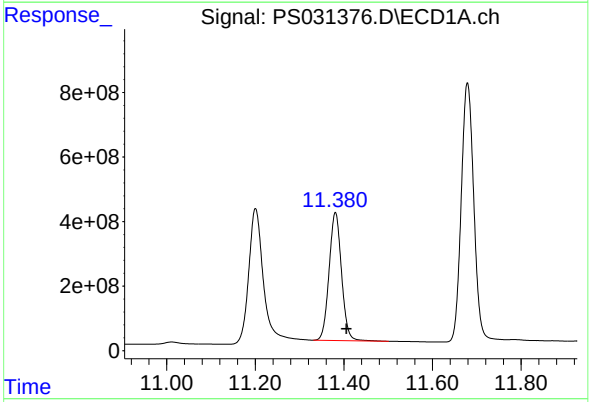
R.T.: 10.175 min
Delta R.T.: -0.023 min
Response: 1459218317
Conc: 835.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



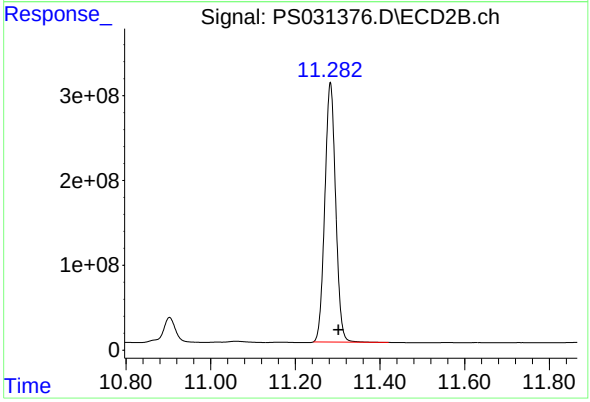
#13 2,4-DB

R.T.: 10.903 min
Delta R.T.: -0.018 min
Response: 608778145
Conc: 630.30 ng/ml



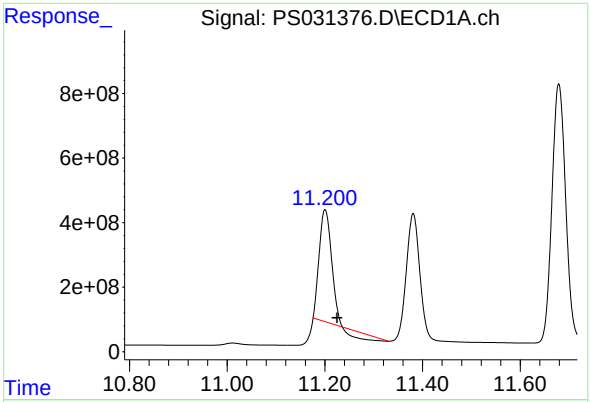
#14 DINOSEB

R.T.: 11.381 min
Delta R.T.: -0.025 min
Response: 7692211712
Conc: 671.02 ng/ml



#14 DINOSEB

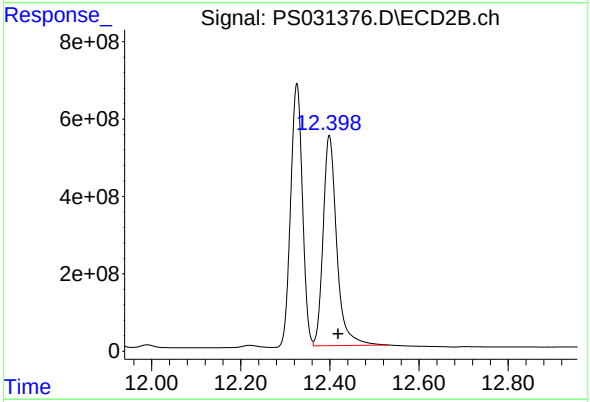
R.T.: 11.283 min
Delta R.T.: -0.019 min
Response: 5418399914
Conc: 580.13 ng/ml



#15 Picloram

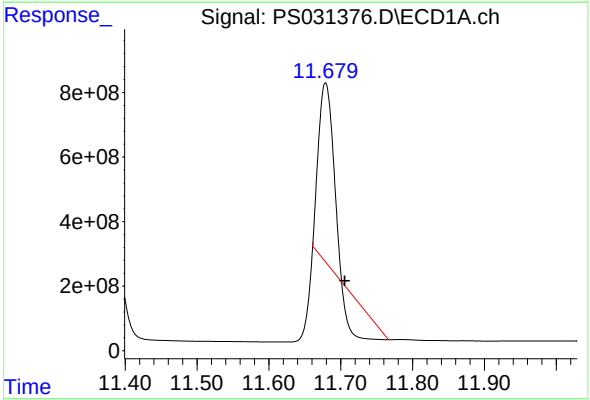
R.T.: 11.200 min
Delta R.T.: -0.025 min
Response: 5419242818
Conc: 462.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



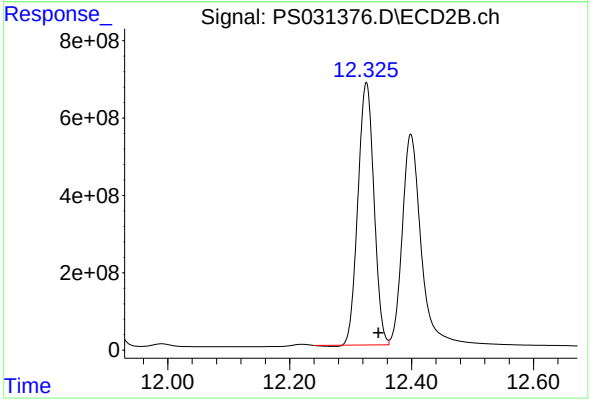
#15 Picloram

R.T.: 12.399 min
Delta R.T.: -0.020 min
Response: 11541296245
Conc: 675.13 ng/ml



#16 DCPA

R.T.: 11.679 min
Delta R.T.: -0.027 min
Response: 5265116943
Conc: 253.91 ng/ml



#16 DCPA

R.T.: 12.326 min
Delta R.T.: -0.020 min
Response: 12334901244
Conc: 661.33 ng/ml