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 : Q2879

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2879

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2879-01	OU4-TS-GRILLO-TSCP03-081425
Q2879-02	OU4-TS-GRILLO-TSCP03-081425
Q2879-03	OU4-TS-GRILLO-TSCP04-081425
Q2879-04	OU4-TS-GRILLO-TSCP04-081425
Q2879-05	OU4-TS-GRILLO-TSCP05-081425
Q2879-06	OU4-TS-GRILLO-TSCP05-081425
Q2879-07	OU4-TS-GRILLO-TSCP06-081425
Q2879-08	OU4-TS-GRILLO-TSCP06-081425
Q2879-09	OU4-TS-GRILLO-TSCP07-081425
Q2879-10	OU4-TS-GRILLO-TSCP07-081425
Q2879-11	OU4-TS-GRILLO-TSCP08-081425
Q2879-12	OU4-TS-GRILLO-TSCP08-081425
Q2879-13	OU4-TS-GRILLO-TSCP09-081425
Q2879-14	OU4-TS-GRILLO-TSCP09-081425
Q2879-15	OU4-TS-GRILLO-TSCP10-081425
Q2879-16	OU4-TS-GRILLO-TSCP10-081425
Q2879-17	OU4-TS-GRILLO-TSCP11-081425
Q2879-18	OU4-TS-GRILLO-TSCP11-081425

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

Signature : _____

Date: 8/28/2025

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 # Q2879
Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:
9 Solid samples were received on 08/15/2025.

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-TSCP04-081425 [2,4-DCAA(1)16%], OU4-TS-GRILLO-TSCP04-081425RE [2,4-DCAA(1)16%], OU4-TS-GRILLO-TSCP09-081425 [2,4-DCAA(1)11%], OU4-TS-GRILLO-TSCP09-081425RE [2 and4-DCAA(1)10%],All the failure samples in surrogates were reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were met for all analysis.

The MS {Q2888-01MS} with File ID: PS031522.D recoveries met the requirements for all compounds except for [Dalapon(1)66%], [Dinoseb(1)0% - Dinoseb(2)16%] due to matrix interference.

The MSD {Q2888-01MSD} with File ID: PS031523.D recoveries met the requirements for all compounds except for [Dinoseb(1)0% - Dinoseb(2)16%] due to matrix interference.

The RPD for {Q2888-01MSD} with File ID: PS031523.D met criteria except for Dalapon[29%] due to difference in results of MS and MSD.

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

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_____

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908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2879 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-TSCP04-081425 [2,4-DCAA(1)16%], OU4-TS-GRILLO-TSCP04-081425RE [2,4-DCAA(1)16%], OU4-TS-GRILLO-TSCP09-081425 [2,4-DCAA(1)11%], OU4-TS-GRILLO-TSCP09-081425RE [2 and4-DCAA(1)10%],All the failure samples in surrogates were reanalyzed to confirm the results as per method and reported in the data.		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q2888-01MS} with File ID: PS031522.D recoveries met the requirements for all compounds except for [Dalapon(1)66%], [Dinoseb(1)0% - Dinoseb(2)16%] due to matrix interference. The MSD {Q2888-01MSD} with File ID: PS031523.D recoveries met the requirements for all compounds except for [Dinoseb(1)0% - Dinoseb(2)16%] due to matrix interference. The Blank Spike met requirements for all compounds. The RPD for {Q2888-01MSD} with File ID: PS031523.D met criteria except for Dalapon[29%] due to difference in results of MS and MSD.		✓	

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
7.	Retention Time Shift Meet Criteria (if applicable)			✓
	Comments:			
8.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2879

	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:** 08/28/2025

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LAB CHRONICLE

OrderID:	Q2879	**OrderDate:**	8/15/2025 9:15:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	J23,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2879-01	**OU4-TS-GRILLO-TSCP 03-081425**	**SOIL**			**08/14/25**			**08/15/25**
			Herbicide Group1	8151A		08/18/25	08/19/25	
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	
Q2879-03	**OU4-TS-GRILLO-TSCP 04-081425**	**SOIL**			**08/14/25**			**08/15/25**
			Herbicide Group1	8151A		08/18/25	08/19/25	
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	
Q2879-03RE	**OU4-TS-GRILLO-TSCP 04-081425RE**	**SOIL**			**08/14/25**			**08/15/25**
			Herbicide Group1	8151A		08/18/25	08/20/25	
Q2879-05	**OU4-TS-GRILLO-TSCP 05-081425**	**SOIL**			**08/14/25**			**08/15/25**
			Herbicide Group1	8151A		08/18/25	08/19/25	
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	
Q2879-07	**OU4-TS-GRILLO-TSCP 06-081425**	**SOIL**			**08/14/25**			**08/15/25**
			Herbicide Group1	8151A		08/18/25	08/19/25	
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	
Q2879-09	**OU4-TS-GRILLO-TSCP 07-081425**	**SOIL**			**08/14/25**			**08/15/25**
			Herbicide Group1	8151A		08/18/25	08/20/25	
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	

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LAB CHRONICLE

Q2879-11	**OU4-TS-GRILLO-TSCP 08-081425**	**SOIL**			**08/14/25**			**08/15/25**
			Herbicide Group1	8151A		08/18/25	08/20/25	
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	
Q2879-13	**OU4-TS-GRILLO-TSCP 09-081425**	**SOIL**			**08/14/25**			**08/15/25**
			Herbicide Group1	8151A		08/18/25	08/19/25	
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/19/25	
Q2879-13RE	**OU4-TS-GRILLO-TSCP 09-081425RE**	**SOIL**			**08/14/25**			**08/15/25**
			Herbicide Group1	8151A		08/18/25	08/20/25	
Q2879-15	**OU4-TS-GRILLO-TSCP 10-081425**	**SOIL**			**08/14/25**			**08/15/25**
			Herbicide Group1	8151A		08/18/25	08/19/25	
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/19/25	
Q2879-17	**OU4-TS-GRILLO-TSCP 11-081425**	**SOIL**			**08/14/25**			**08/15/25**
			Herbicide Group1	8151A		08/18/25	08/20/25	
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/19/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2879 **Order ID:** Q2879

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.: Q2879

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PS031378.D	PIBLK-PS031378.D	2,4-DCAA	1	500	421	84		32	138
		2,4-DCAA	2	500	503	101		32	138
I.BLK-PS031493.D	PIBLK-PS031493.D	2,4-DCAA	1	500	464	93		32	138
		2,4-DCAA	2	500	500	100		32	138
PB169287BL	PB169287BL	2,4-DCAA	1	500	489	98		27	122
		2,4-DCAA	2	500	525	105		27	122
PB169287BS	PB169287BS	2,4-DCAA	1	500	592	118		27	122
		2,4-DCAA	2	500	530	106		27	122
Q2879-01	OU4-TS-GRILLO-TSCP03-0814	2,4-DCAA	1	500	291	58		27	122
		2,4-DCAA	2	500	401	80		27	122
Q2879-03	OU4-TS-GRILLO-TSCP04-0814	2,4-DCAA	1	500	81.7	16	*	27	122
		2,4-DCAA	2	500	156	31		27	122
Q2879-05	OU4-TS-GRILLO-TSCP05-0814	2,4-DCAA	1	500	190	38		27	122
		2,4-DCAA	2	500	304	61		27	122
Q2879-07	OU4-TS-GRILLO-TSCP06-0814	2,4-DCAA	1	500	178	36		27	122
		2,4-DCAA	2	500	294	59		27	122
I.BLK-PS031502.D	PIBLK-PS031502.D	2,4-DCAA	1	500	518	104		32	138
		2,4-DCAA	2	500	548	110		32	138
Q2879-13	OU4-TS-GRILLO-TSCP09-0814	2,4-DCAA	1	500	54.4	11	*	27	122
		2,4-DCAA	2	500	142	28		27	122
Q2879-15	OU4-TS-GRILLO-TSCP10-0814	2,4-DCAA	1	500	159	32		27	122
		2,4-DCAA	2	500	213	43		27	122
I.BLK-PS031512.D	PIBLK-PS031512.D	2,4-DCAA	1	500	526	105		32	138
		2,4-DCAA	2	500	562	112		32	138
I.BLK-PS031515.D	PIBLK-PS031515.D	2,4-DCAA	1	500	505	101		32	138
		2,4-DCAA	2	500	543	109		32	138
Q2879-03RE	OU4-TS-GRILLO-TSCP04-0814	2,4-DCAA	1	500	78.5	16	*	27	122
		2,4-DCAA	2	500	157	31		27	122
Q2879-09	OU4-TS-GRILLO-TSCP07-0814	2,4-DCAA	1	500	174	35		27	122
		2,4-DCAA	2	500	243	49		27	122
Q2879-11	OU4-TS-GRILLO-TSCP08-0814	2,4-DCAA	1	500	203	41		27	122
		2,4-DCAA	2	500	212	42		27	122
Q2879-13RE	OU4-TS-GRILLO-TSCP09-0814	2,4-DCAA	1	500	50.3	10	*	27	122
		2,4-DCAA	2	500	145	29		27	122
Q2879-17	OU4-TS-GRILLO-TSCP11-0814	2,4-DCAA	1	500	196	39		27	122
		2,4-DCAA	2	500	206	41		27	122
Q2888-01MS	VNJ-210MS	2,4-DCAA	1	500	337	67		27	122
		2,4-DCAA	2	500	373	75		27	122
Q2888-01MSD	VNJ-210MSD	2,4-DCAA	1	500	344	69		27	122
		2,4-DCAA	2	500	410	82		27	122
I.BLK-PS031524.D	PIBLK-PS031524.D	2,4-DCAA	1	500	537	107		32	138

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Surrogate Summary

SDG No.: Q2879

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PS031524.D	PIBLK-PS031524.D	2,4-DCAA	2	500	572	114		32	138

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS031522.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2888-01MS (Column 1)**	**Client Sample ID:**		**VNJ-210MS**								
	DICAMBA	175.2	0	92.5	ug/Kg	53				38	132	
	Dalapon	175.2	0	115	ug/Kg	66	*			70	130	
	DICHLORPROP	175.2	0	87.1	ug/Kg	50				28	155	
	2,4-D	175.2	0	142	ug/Kg	81				28	144	
	2,4,5-TP(Silvex)	175.2	0	82.4	ug/Kg	47				43	129	
	2,4,5-T	175.2	0	95.6	ug/Kg	55				31	138	
	2,4-DB	175.2	0	64.5	ug/Kg	37				34	142	
	Dinoseb	175.2	0	0	ug/Kg	0	*			57	152	
Lab Sample ID:	**Q2888-01MS (Column 2)**	**Client Sample ID:**		**VNJ-210MS**								
	DICAMBA	175.2	0	93.8	ug/Kg	54				38	132	
	Dalapon	175.2	0	170	ug/Kg	97				70	130	
	DICHLORPROP	175.2	0	95.3	ug/Kg	54				28	155	
	2,4-D	175.2	0	105	ug/Kg	60				28	144	
	2,4,5-TP(Silvex)	175.2	0	123	ug/Kg	70				43	129	
	2,4,5-T	175.2	0	86.8	ug/Kg	50				31	138	
	2,4-DB	175.2	0	84.2	ug/Kg	48				34	142	
	Dinoseb	175.2	0	28.0	ug/Kg	16	*			57	152	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS031523.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2888-01MSD (Column 1)**	**Client Sample ID:**		**VNJ-210MSD**								
	DICAMBA	175.1	0	93.1	ug/Kg	53		0		38	132	20
	Dalapon	175.1	0	154	ug/Kg	88		29	*	70	130	20
	DICHLORPROP	175.1	0	92.2	ug/Kg	53		6		28	155	20
	2,4-D	175.1	0	145	ug/Kg	83		2		28	144	20
	2,4,5-TP(Silvex)	175.1	0	83.5	ug/Kg	48		2		43	129	20
	2,4,5-T	175.1	0	96.2	ug/Kg	55		0		31	138	20
	2,4-DB	175.1	0	58.8	ug/Kg	34		8		34	142	20
	Dinoseb	175.1	0	0	ug/Kg	0	*	0		57	152	20
Lab Sample ID:	**Q2888-01MSD (Column 2)**	**Client Sample ID:**		**VNJ-210MSD**								
	DICAMBA	175.1	0	93.8	ug/Kg	54		0		38	132	20
	Dalapon	175.1	0	167	ug/Kg	95		2		70	130	20
	DICHLORPROP	175.1	0	94.9	ug/Kg	54		0		28	155	20
	2,4-D	175.1	0	108	ug/Kg	62		3		28	144	20
	2,4,5-TP(Silvex)	175.1	0	123	ug/Kg	70		0		43	129	20
	2,4,5-T	175.1	0	86.0	ug/Kg	49		2		31	138	20
	2,4-DB	175.1	0	82.0	ug/Kg	47		2		34	142	20
	Dinoseb	175.1	0	28.1	ug/Kg	16	*	0		57	152	20

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2879 **Analytical Method:** 8151A

Client: Nobis Group **Datafile :** PS031496.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169287BS (Column 1)	DICAMBA	166.5	184	ug/Kg	111				38	132	
	Dalapon	166.5	156	ug/Kg	94				70	130	
	DICHLORPROP	166.5	185	ug/Kg	111				28	155	
	2,4-D	166.5	186	ug/Kg	112				28	144	
	2,4,5-TP(Silvex)	166.5	191	ug/Kg	115				43	129	
	2,4,5-T	166.5	191	ug/Kg	115				31	138	
	2,4-DB	166.5	178	ug/Kg	107				34	142	
	Dinoseb	166.5	190	ug/Kg	114				57	152	
PB169287BS (Column 2)	DICAMBA	166.5	172	ug/Kg	103				38	132	
	Dalapon	166.5	150	ug/Kg	90				70	130	
	DICHLORPROP	166.5	172	ug/Kg	103				28	155	
	2,4-D	166.5	175	ug/Kg	105				28	144	
	2,4,5-TP(Silvex)	166.5	178	ug/Kg	107				43	129	
	2,4,5-T	166.5	171	ug/Kg	103				31	138	
	2,4-DB	166.5	156	ug/Kg	94				34	142	
	Dinoseb	166.5	176	ug/Kg	106				57	152	

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Fax : 908 789 8922

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169287BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2879

Lab Sample ID: PB169287BL | Lab File ID: PS031495.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 08/18/2025

Date Analyzed (1): 08/19/2025 | Date Analyzed (2): 08/19/2025

Time Analyzed (1): 17:08 | Time Analyzed (2): 17:08

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
PB169287BS	PB169287BS	PS031496.D	08/19/2025	08/19/2025
OU4-TS-GRILLO-TSCP03-081425	Q2879-01	PS031497.D	08/19/2025	08/19/2025
OU4-TS-GRILLO-TSCP04-081425	Q2879-03	PS031498.D	08/19/2025	08/19/2025
OU4-TS-GRILLO-TSCP05-081425	Q2879-05	PS031499.D	08/19/2025	08/19/2025
OU4-TS-GRILLO-TSCP06-081425	Q2879-07	PS031500.D	08/19/2025	08/19/2025
OU4-TS-GRILLO-TSCP09-081425	Q2879-13	PS031505.D	08/19/2025	08/19/2025
OU4-TS-GRILLO-TSCP10-081425	Q2879-15	PS031506.D	08/19/2025	08/19/2025
OU4-TS-GRILLO-TSCP07-081425	Q2879-09	PS031518.D	08/20/2025	08/20/2025
OU4-TS-GRILLO-TSCP08-081425	Q2879-11	PS031519.D	08/20/2025	08/20/2025
OU4-TS-GRILLO-TSCP11-081425	Q2879-17	PS031521.D	08/20/2025	08/20/2025
VNJ-210MS	Q2888-01MS	PS031522.D	08/20/2025	08/20/2025
VNJ-210MSD	Q2888-01MSD	PS031523.D	08/20/2025	08/20/2025

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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP03-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	89.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031497.D	1	08/18/25 09:40	08/19/25 17:56	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.037	U	0.0087	0.037	0.075	mg/Kg
75-99-0	DALAPON	0.056	U	0.020	0.056	0.075	mg/Kg
120-36-5	DICHLORPROP	0.037	U	0.014	0.037	0.075	mg/Kg
94-75-7	2,4-D	0.037	U	0.010	0.037	0.075	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.037	U	0.010	0.037	0.075	mg/Kg
93-76-5	2,4,5-T	0.037	U	0.0097	0.037	0.075	mg/Kg
94-82-6	2,4-DB	0.037	U	0.027	0.037	0.075	mg/Kg
88-85-7	DINOSEB	0.037	U	0.012	0.037	0.075	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	401		27 - 122		80%	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\PS081925\
Data File : PS031497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:56
Operator : AR\AJ
Sample : Q2879-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.288	7.743	923.9E6	339.3E6	291.090	401.431 #
	Target Compounds						

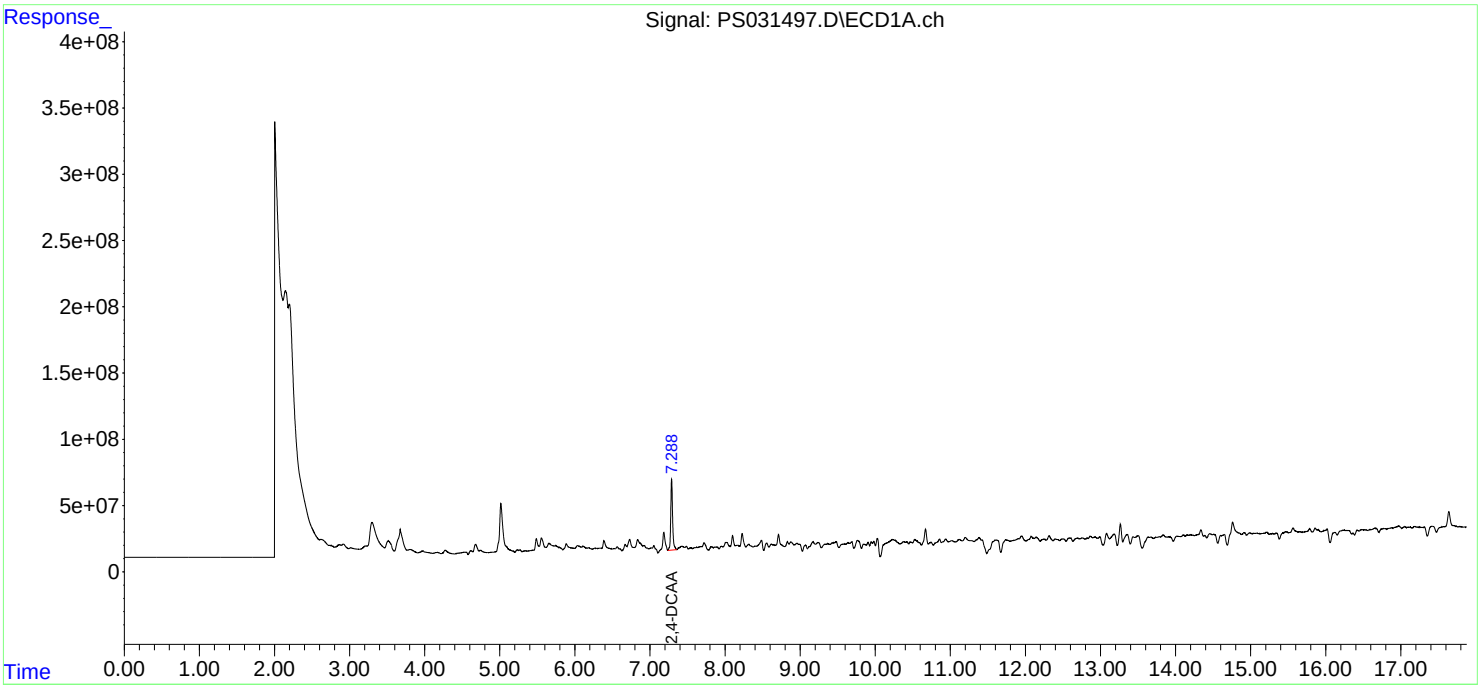
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

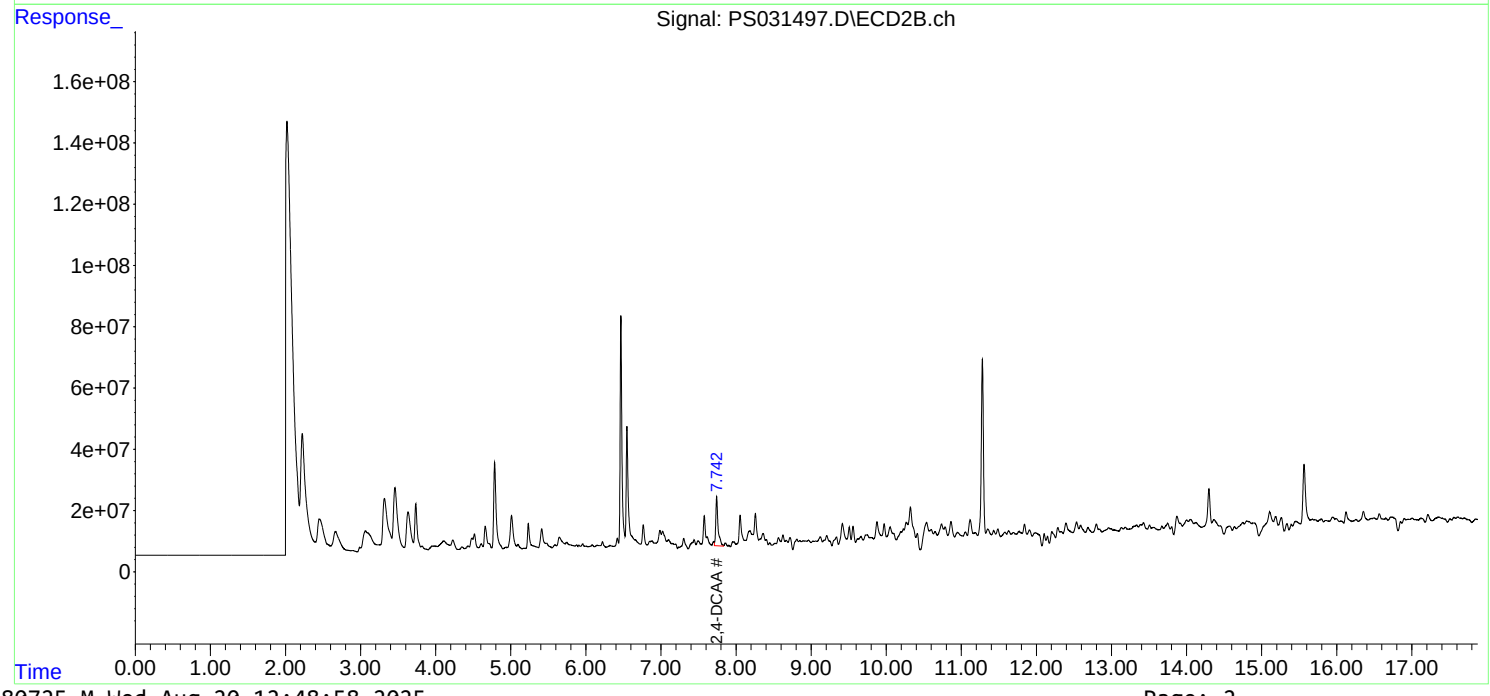
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:56
Operator : AR\AJ
Sample : Q2879-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

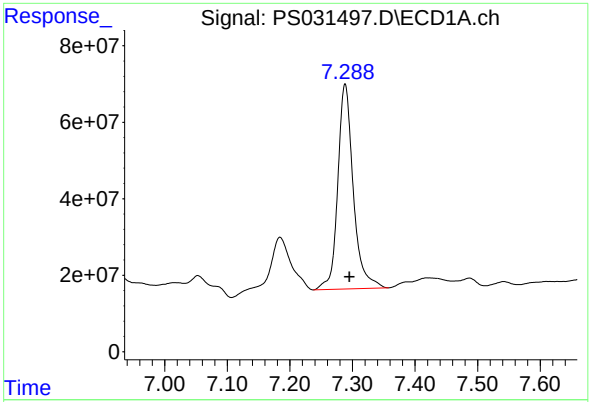
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



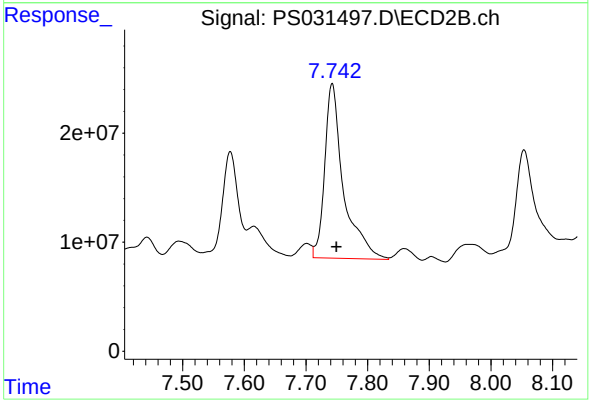




#4 2,4-DCAA

R.T.: 7.288 min
Delta R.T.: -0.007 min
Response: 923917755
Conc: 291.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: -0.007 min
Response: 339345967
Conc: 401.43 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP04-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87.1 Decanted:
Sample Wt/Vol:	30.09 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
PS031498.D	1	08/18/25 09:40	08/19/25 18:20	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.038	U	0.0089	0.038	0.077	mg/Kg
75-99-0	DALAPON	0.057	U	0.020	0.057	0.077	mg/Kg
120-36-5	DICHLORPROP	0.038	U	0.015	0.038	0.077	mg/Kg
94-75-7	2,4-D	0.038	U	0.010	0.038	0.077	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.038	U	0.010	0.038	0.077	mg/Kg
93-76-5	2,4,5-T	0.038	U	0.010	0.038	0.077	mg/Kg
94-82-6	2,4-DB	0.038	U	0.028	0.038	0.077	mg/Kg
88-85-7	DINOSEB	0.038	U	0.012	0.038	0.077	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	156		27 - 122		31%	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\PS081925\
Data File : PS031498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 18:20
Operator : AR\AJ
Sample : Q2879-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.287	7.745	259.4E6	132.0E6	81.723m	156.106m#
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 18:20
Operator : AR\AJ
Sample : Q2879-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

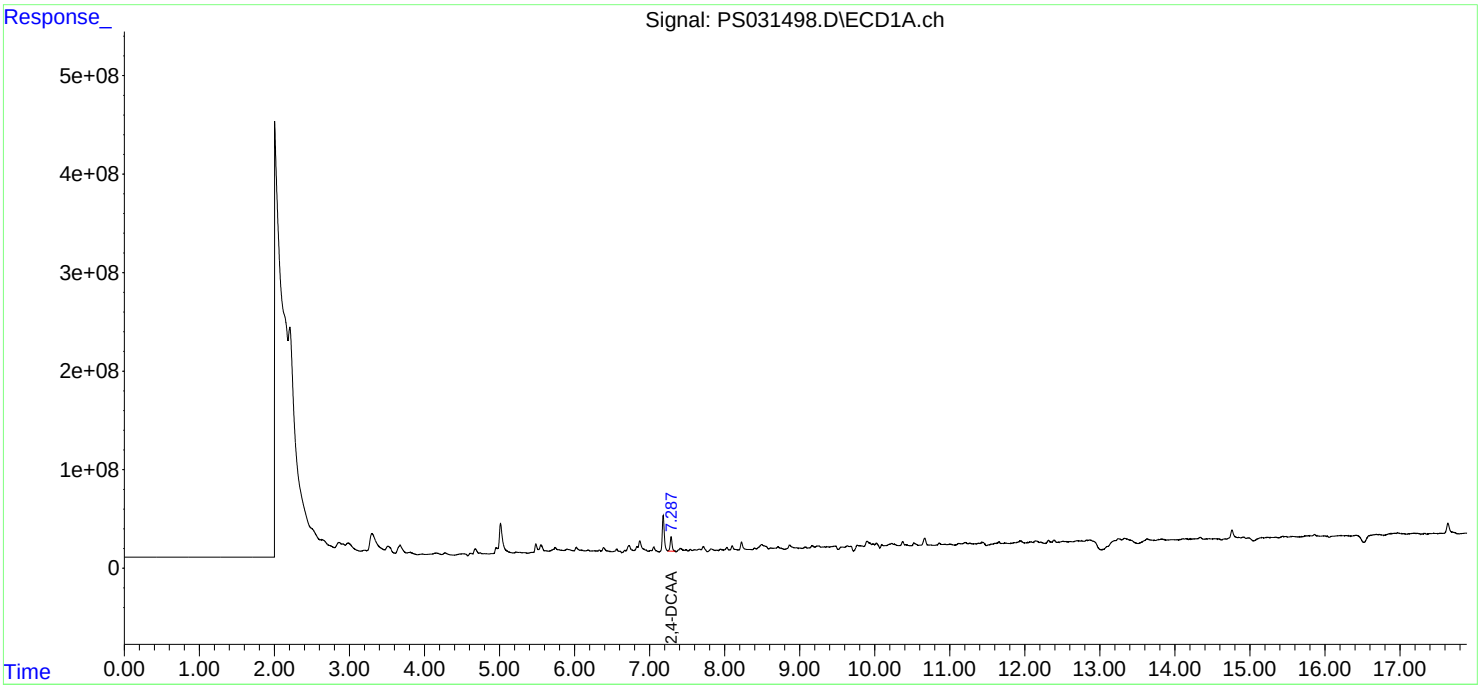
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

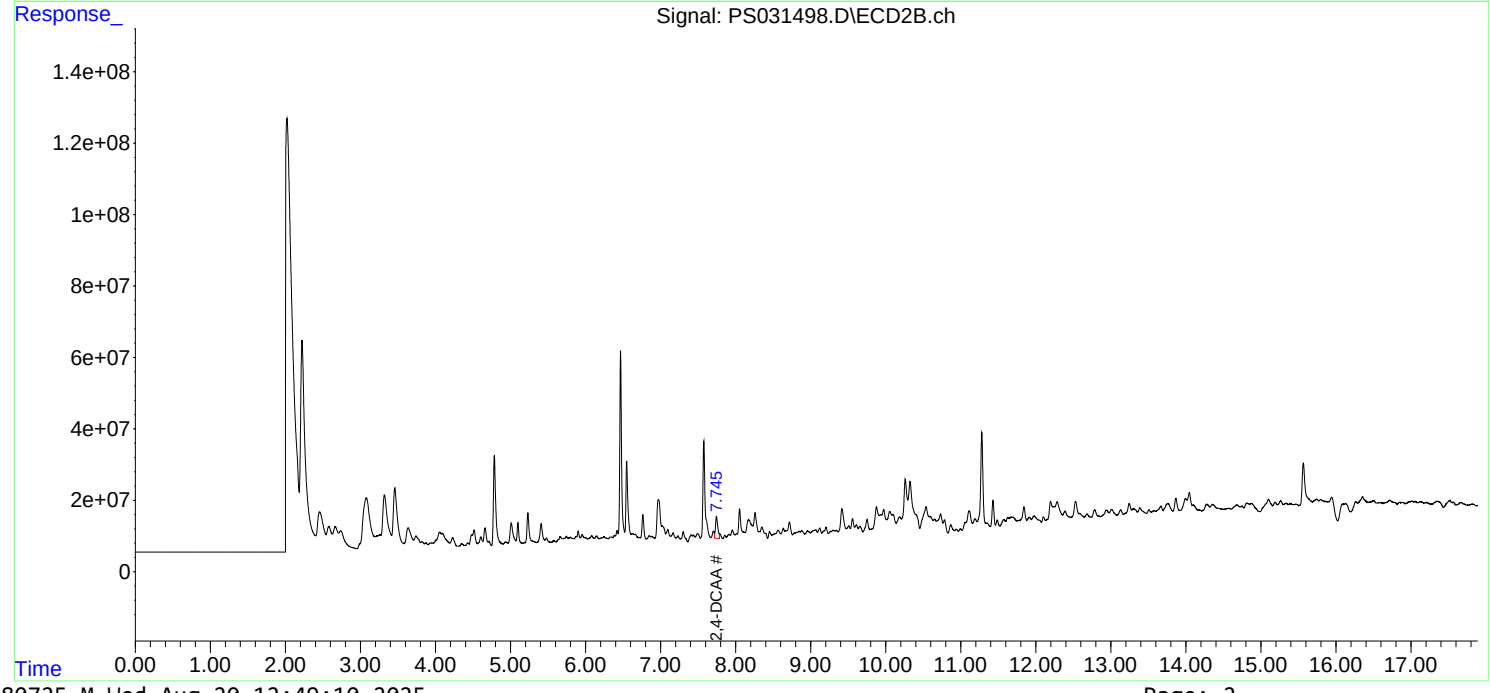
Manual Integrations APPROVED

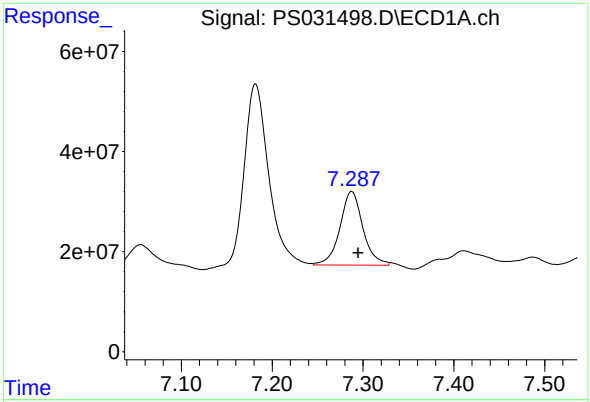
Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







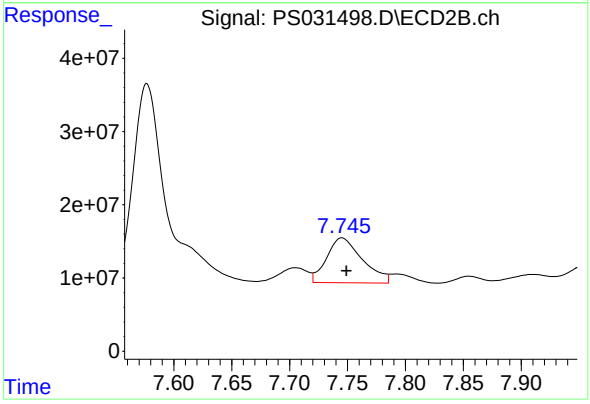
#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: -0.008 min
Response: 259388724
Conc: 81.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



#4 2,4-DCAA

R.T.: 7.745 min
Delta R.T.: -0.005 min
Response: 131962430
Conc: 156.11 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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP04-081425RE	SDG No.:	Q2879
Lab Sample ID:	Q2879-03RE	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87.1 Decanted:
Sample Wt/Vol:	30.09 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
PS031517.D	1	08/18/25 09:40	08/20/25 09:29	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.038	U	0.0089	0.038	0.077	mg/Kg
75-99-0	DALAPON	0.057	U	0.020	0.057	0.077	mg/Kg
120-36-5	DICHLORPROP	0.038	U	0.015	0.038	0.077	mg/Kg
94-75-7	2,4-D	0.038	U	0.010	0.038	0.077	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.038	U	0.010	0.038	0.077	mg/Kg
93-76-5	2,4,5-T	0.038	U	0.010	0.038	0.077	mg/Kg
94-82-6	2,4-DB	0.038	U	0.028	0.038	0.077	mg/Kg
88-85-7	DINOSEB	0.038	U	0.012	0.038	0.077	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	157		27 - 122		31%	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\PS082025\
Data File : PS031517.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 09:29
Operator : AR\AJ
Sample : Q2879-03RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/21/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:56:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.288	7.745	249.2E6	132.7E6	78.513m	156.998m#
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031517.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 09:29
Operator : AR\AJ
Sample : Q2879-03RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

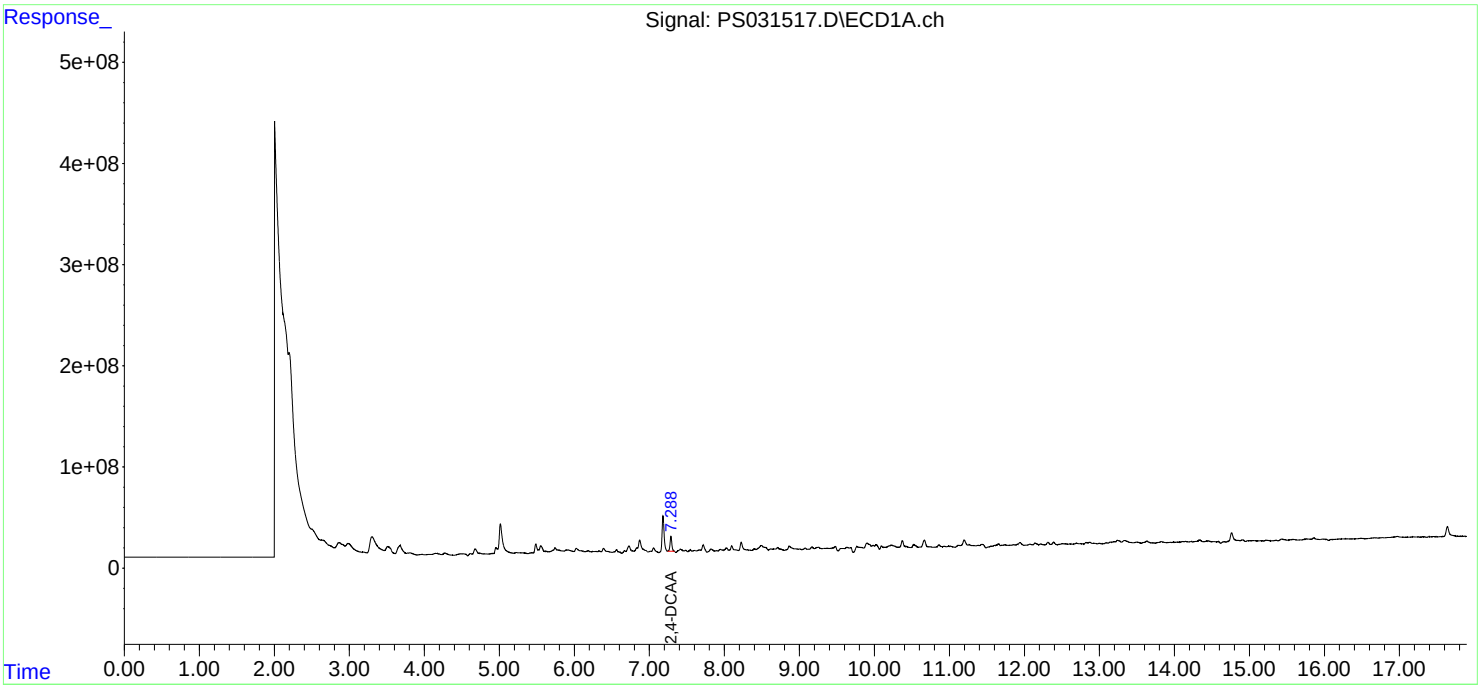
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE

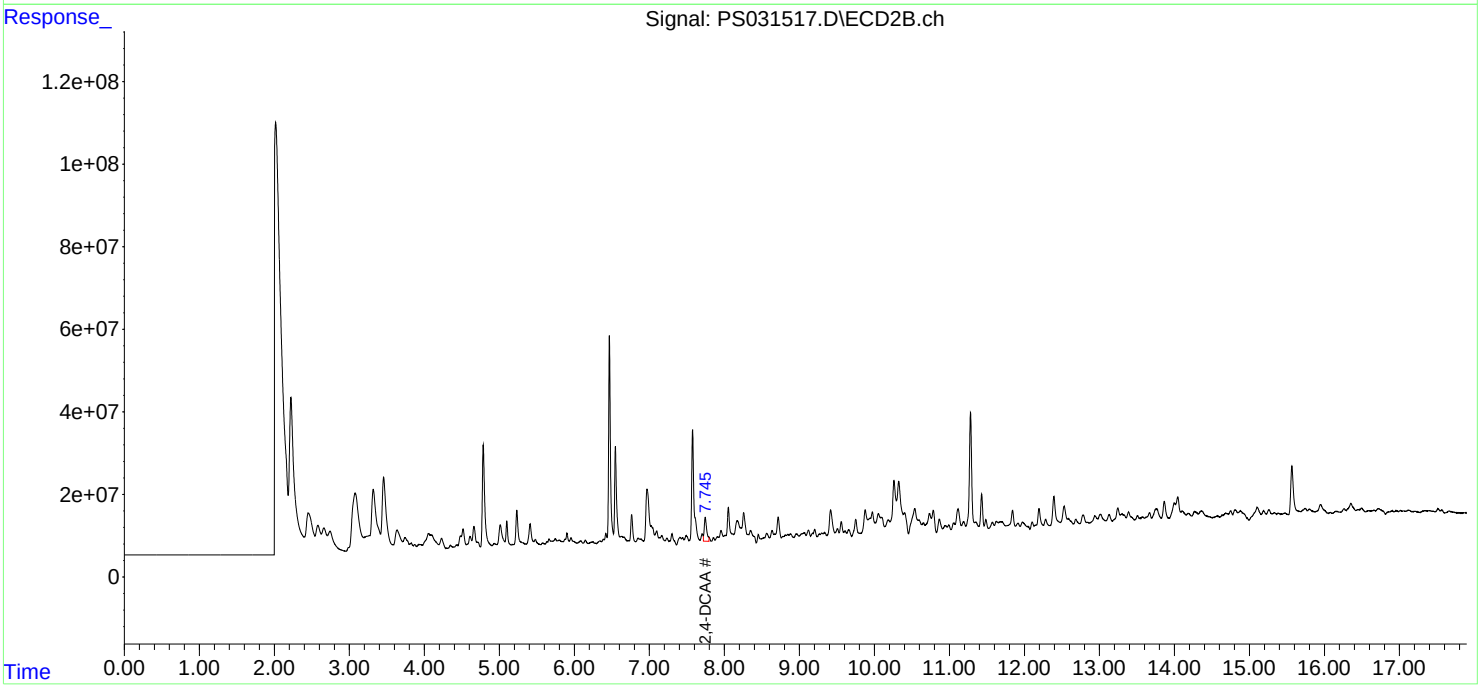
Manual Integrations APPROVED

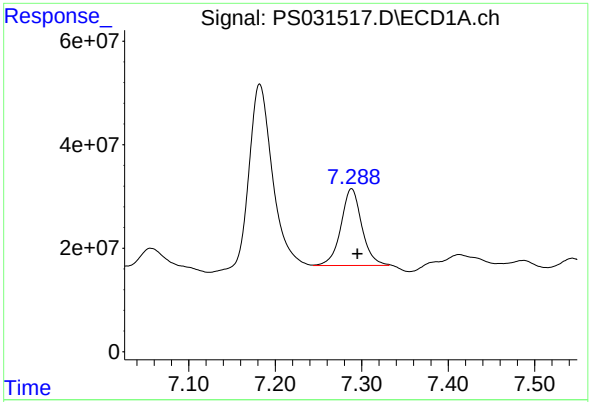
Reviewed By :Abdul Mirza 08/21/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:56:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







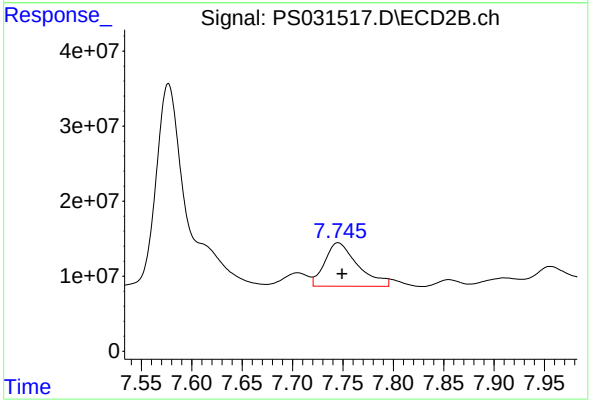
#4 2,4-DCAA

R.T.: 7.288 min
Delta R.T.: -0.007 min
Response: 249197971
Conc: 78.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/21/2025
Supervised By :mohammad ahmed 08/28/2025



#4 2,4-DCAA

R.T.: 7.745 min
Delta R.T.: -0.005 min
Response: 132716711
Conc: 157.00 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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP05-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	93.1 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
PS031499.D	1	08/18/25 09:40	08/19/25 18:44	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.035	U	0.0083	0.035	0.072	mg/Kg
75-99-0	DALAPON	0.054	U	0.019	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.035	U	0.014	0.035	0.072	mg/Kg
94-75-7	2,4-D	0.035	U	0.0097	0.035	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.035	U	0.0097	0.035	0.072	mg/Kg
93-76-5	2,4,5-T	0.035	U	0.0093	0.035	0.072	mg/Kg
94-82-6	2,4-DB	0.035	U	0.026	0.035	0.072	mg/Kg
88-85-7	DINOSEB	0.035	U	0.012	0.035	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	304		27 - 122		61%	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\PS081925\
Data File : PS031499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 18:44
Operator : AR\AJ
Sample : Q2879-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
4) S	2,4-DCAA	7.287	7.742	603.9E6	257.0E6	190.260	303.995	#
	Target Compounds							

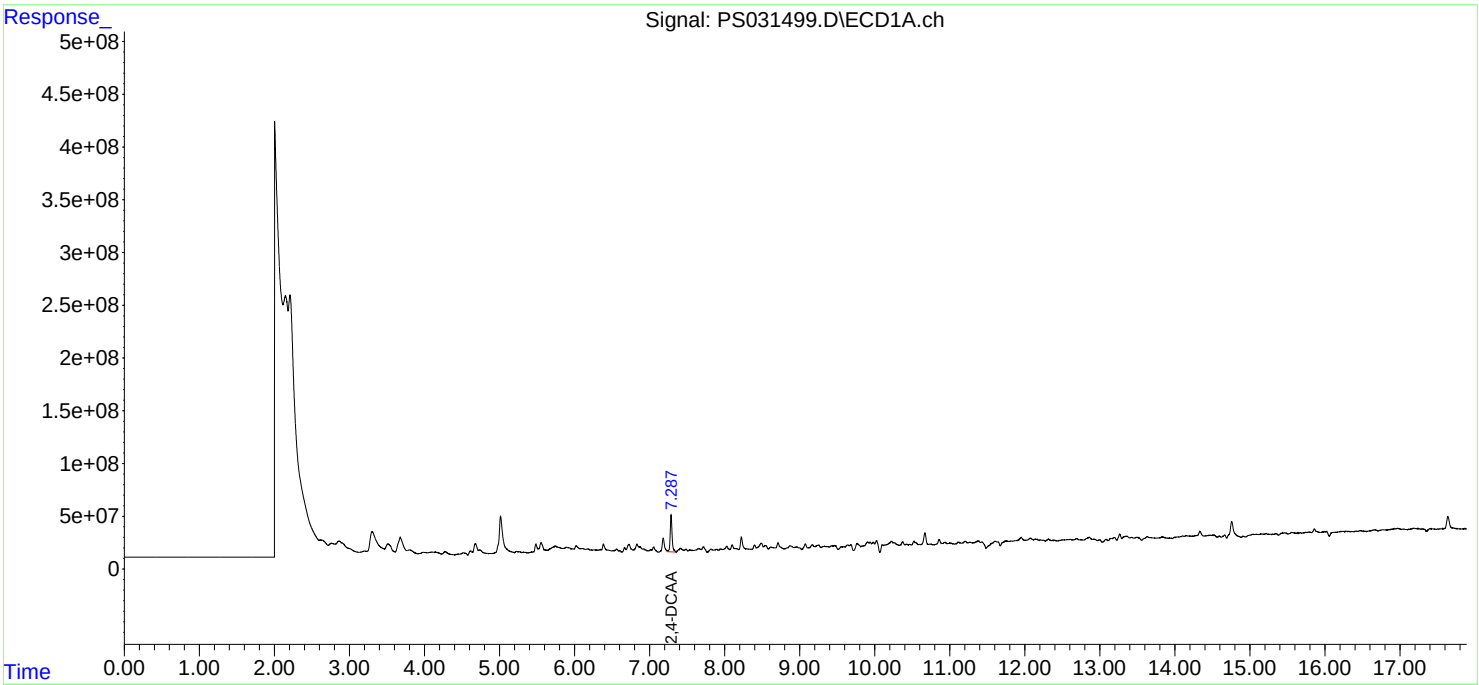
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

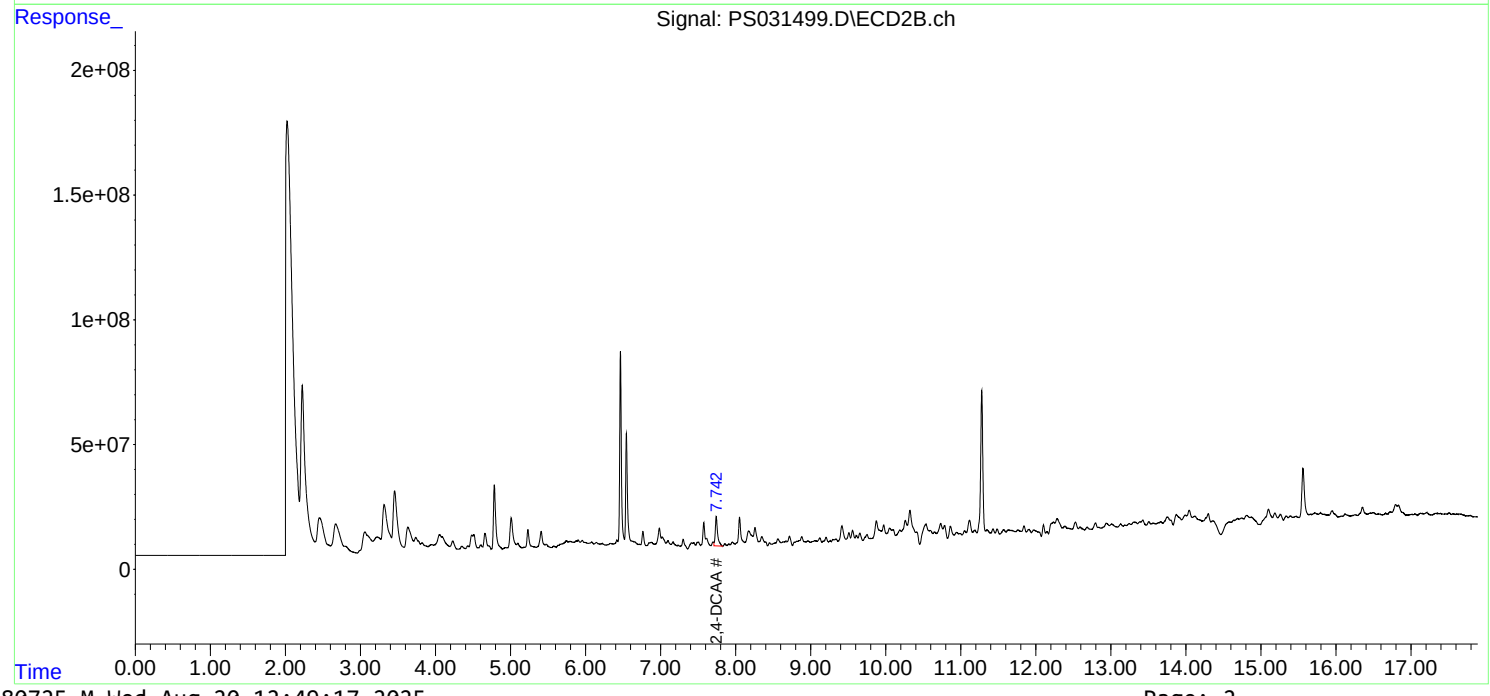
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 18:44
Operator : AR\AJ
Sample : Q2879-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

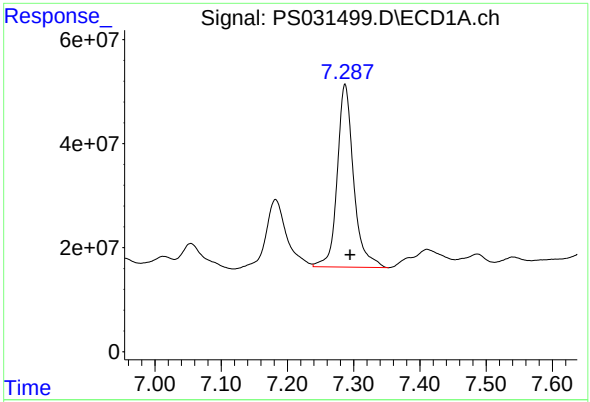
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



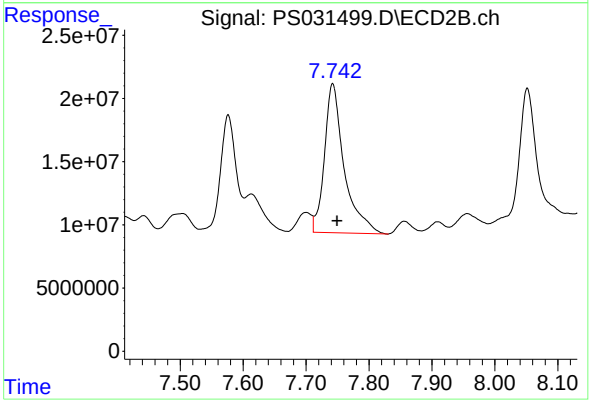




#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: -0.008 min
Response: 603884544
Conc: 190.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425



#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 256979413
Conc: 304.00 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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP06-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.8 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
PS031500.D	1	08/18/25 09:40	08/19/25 19:08	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0085	0.036	0.074	mg/Kg
75-99-0	DALAPON	0.055	U	0.019	0.055	0.074	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.014	0.036	0.074	mg/Kg
94-75-7	2,4-D	0.036	U	0.0099	0.036	0.074	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.074	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.0096	0.036	0.074	mg/Kg
94-82-6	2,4-DB	0.036	U	0.027	0.036	0.074	mg/Kg
88-85-7	DINOSEB	0.036	U	0.012	0.036	0.074	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	294		27 - 122		59%	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\PS081925\
Data File : PS031500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 19:08
Operator : AR\AJ
Sample : Q2879-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:24:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.287	7.742	564.5E6	248.4E6	177.842	293.811 #
	Target Compounds						

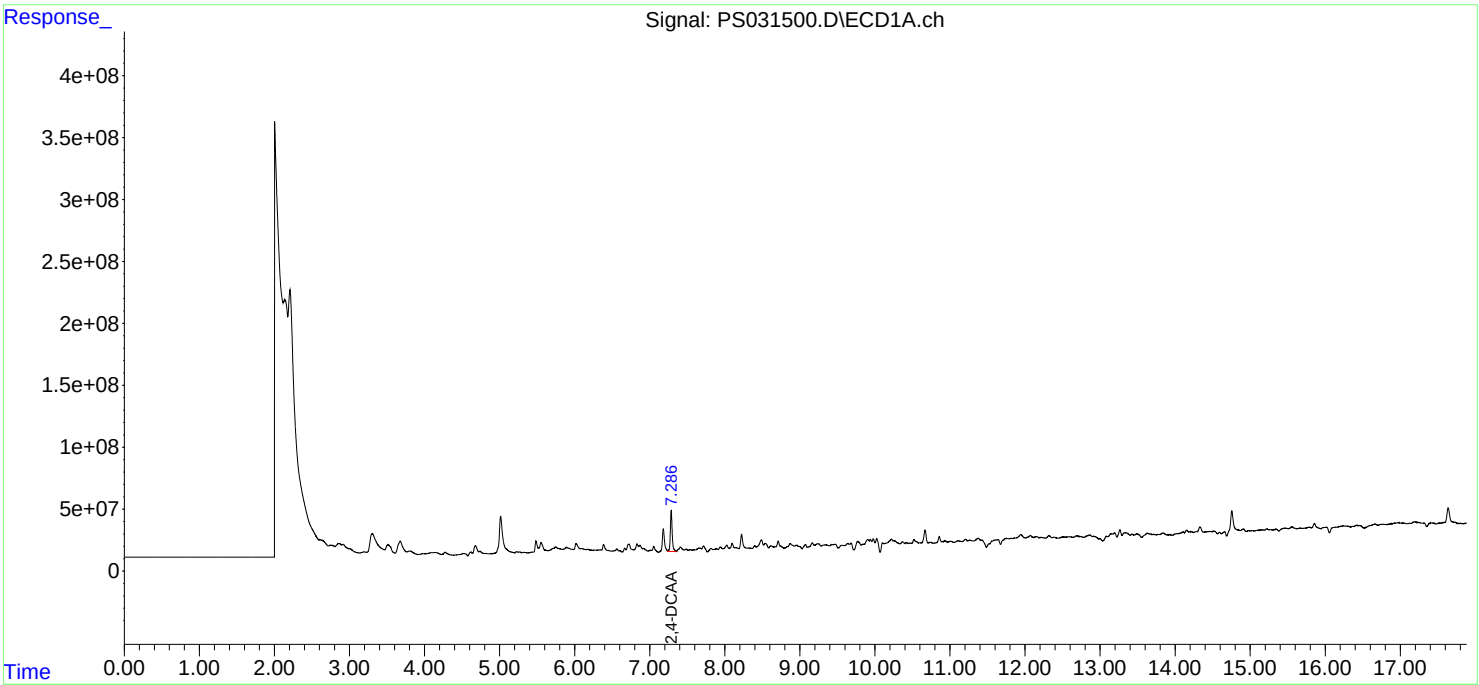
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

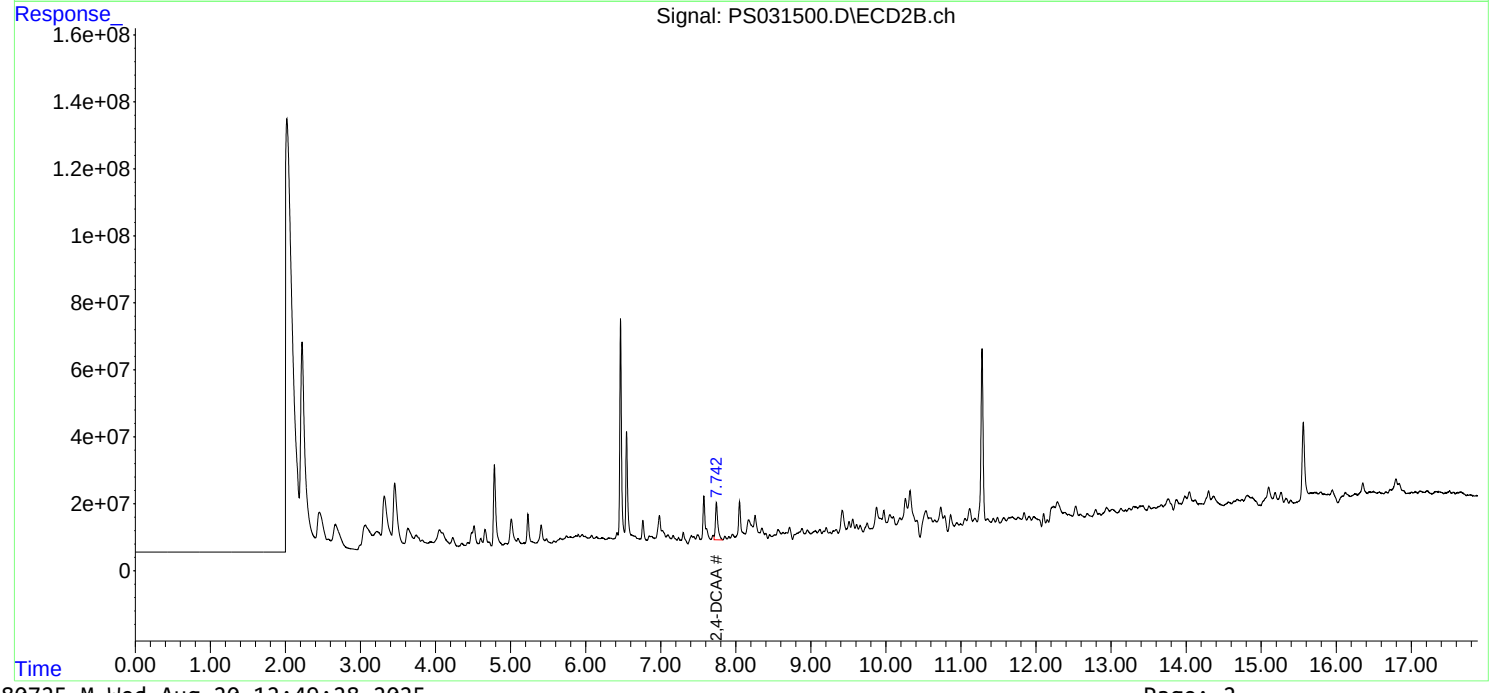
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 19:08
Operator : AR\AJ
Sample : Q2879-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

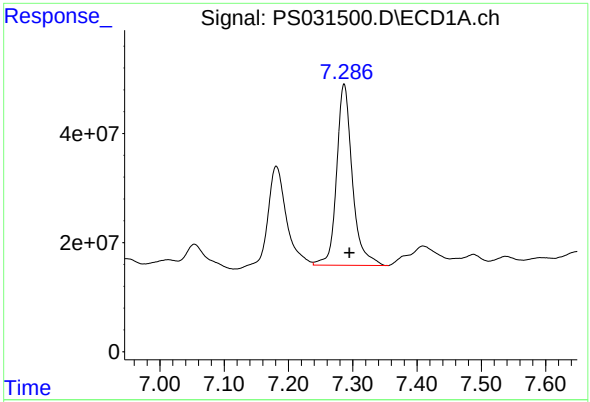
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:24:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



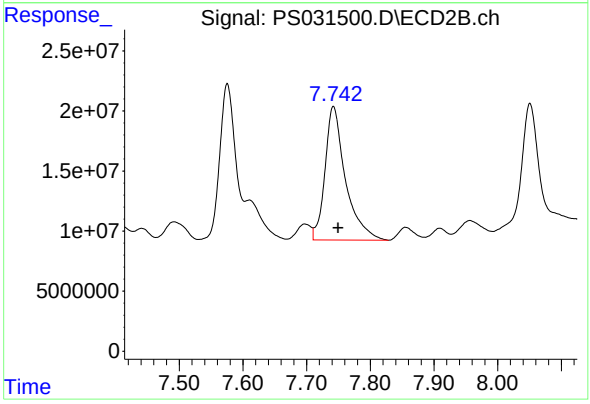




#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: -0.008 min
Response: 564467270
Conc: 177.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 248369933
Conc: 293.81 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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP07-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-09	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	93.5 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
PS031518.D	1	08/18/25 09:40	08/20/25 09:53	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.035	U	0.0083	0.035	0.072	mg/Kg
75-99-0	DALAPON	0.053	U	0.019	0.053	0.072	mg/Kg
120-36-5	DICHLORPROP	0.035	U	0.014	0.035	0.072	mg/Kg
94-75-7	2,4-D	0.035	U	0.0096	0.035	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.035	U	0.0097	0.035	0.072	mg/Kg
93-76-5	2,4,5-T	0.035	U	0.0093	0.035	0.072	mg/Kg
94-82-6	2,4-DB	0.035	U	0.026	0.035	0.072	mg/Kg
88-85-7	DINOSEB	0.035	U	0.012	0.035	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	243		27 - 122		49%	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\PS082025\
Data File : PS031518.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 09:53
Operator : AR\AJ
Sample : Q2879-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:57:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.288	7.744	552.9E6	205.0E6	174.203	242.532 #
	Target Compounds						

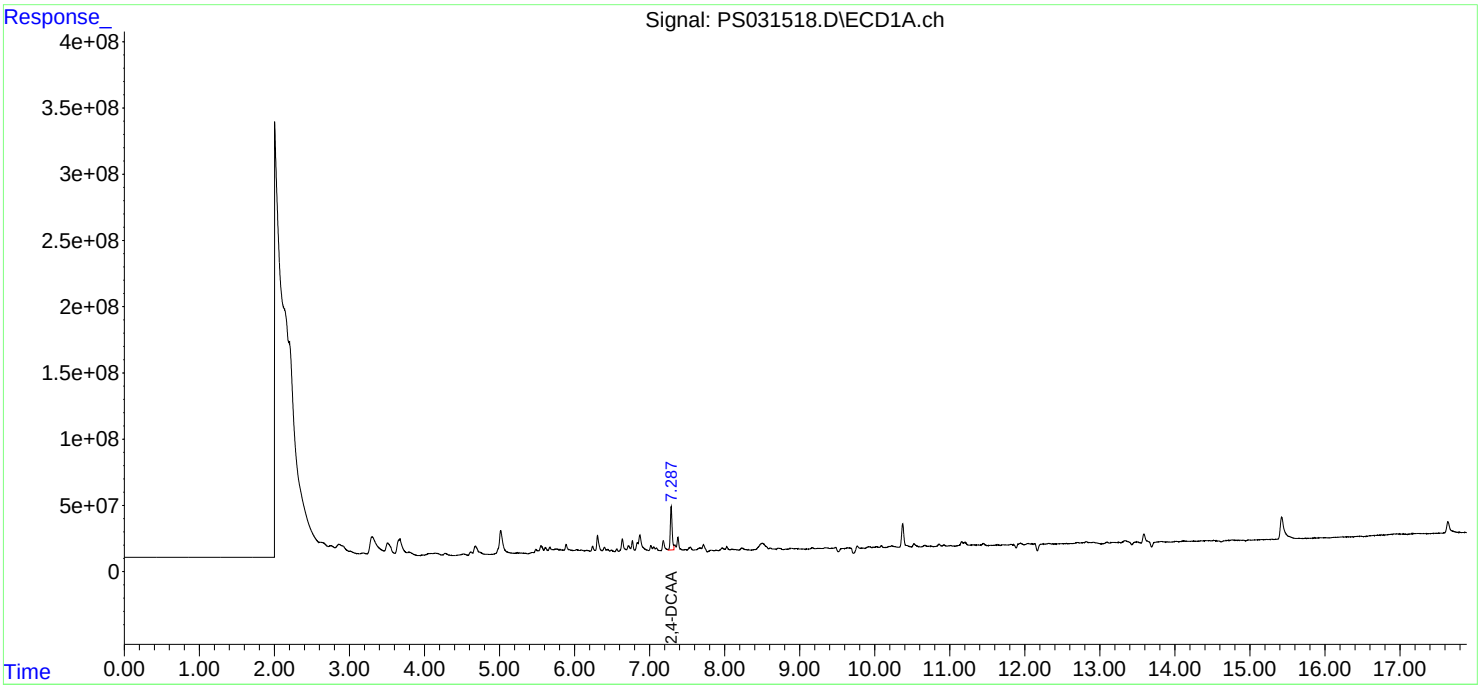
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

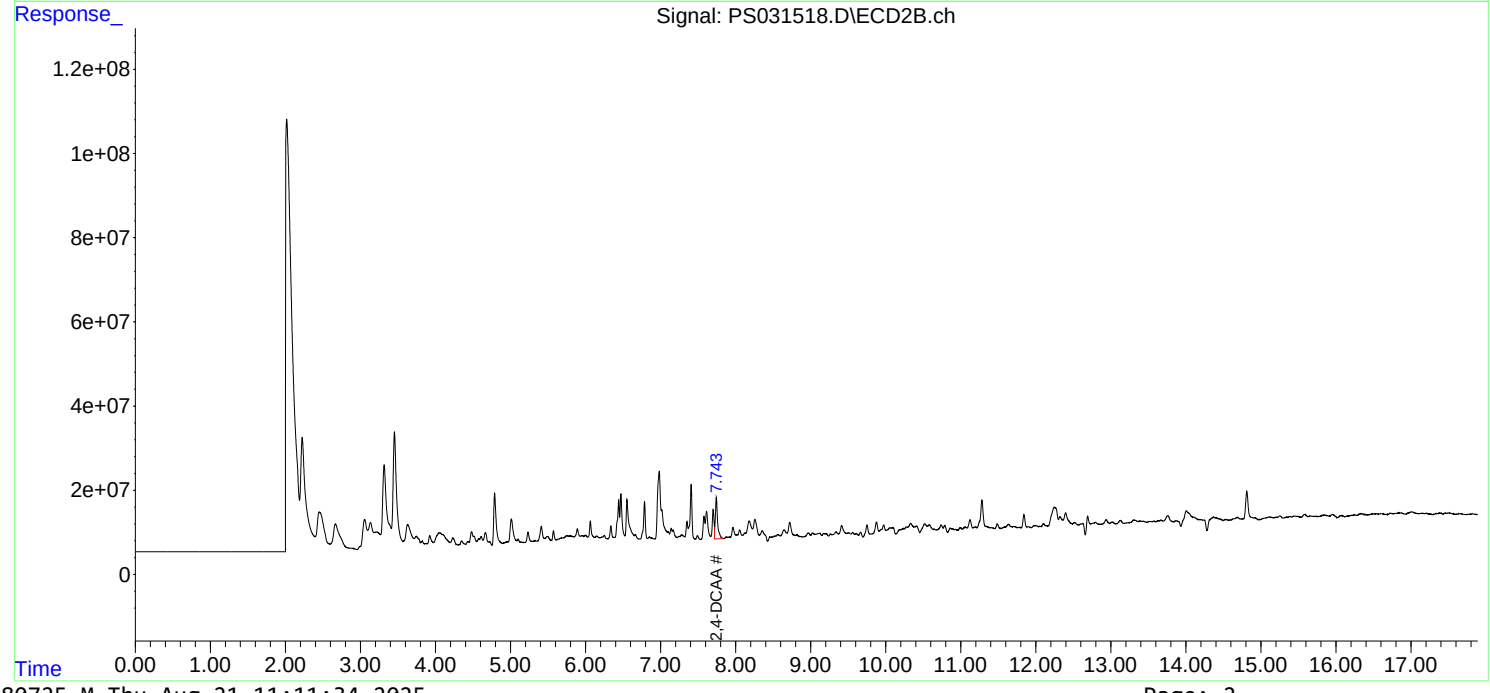
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031518.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 09:53
Operator : AR\AJ
Sample : Q2879-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

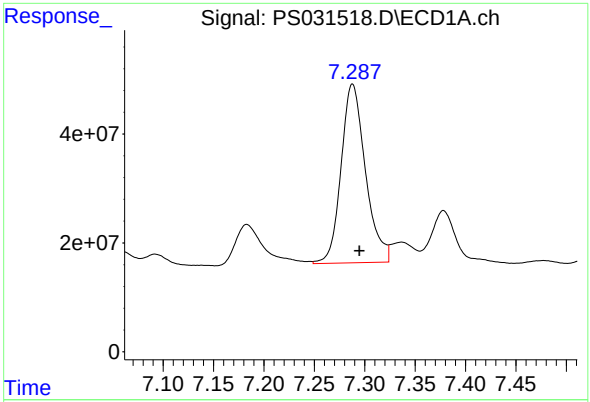
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:57:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



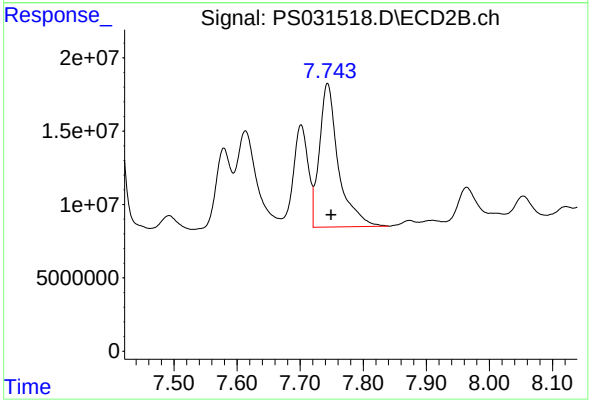




#4 2,4-DCAA

R.T.: 7.288 min
Delta R.T.: -0.007 min
Response: 552919227
Conc: 174.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: -0.005 min
Response: 205022051
Conc: 242.53 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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP08-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-11	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.3 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
PS031519.D	1	08/18/25 09:40	08/20/25 10:21	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0085	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.055	U	0.019	0.055	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.014	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.0099	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.0099	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.0095	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.027	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.036	U	0.012	0.036	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	212		27 - 122		42%	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\PS082025\
Data File : PS031519.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 10:21
Operator : AR\AJ
Sample : Q2879-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/21/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.289	7.742	643.6E6	179.0E6	202.765	211.732m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031519.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 10:21
Operator : AR\AJ
Sample : Q2879-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

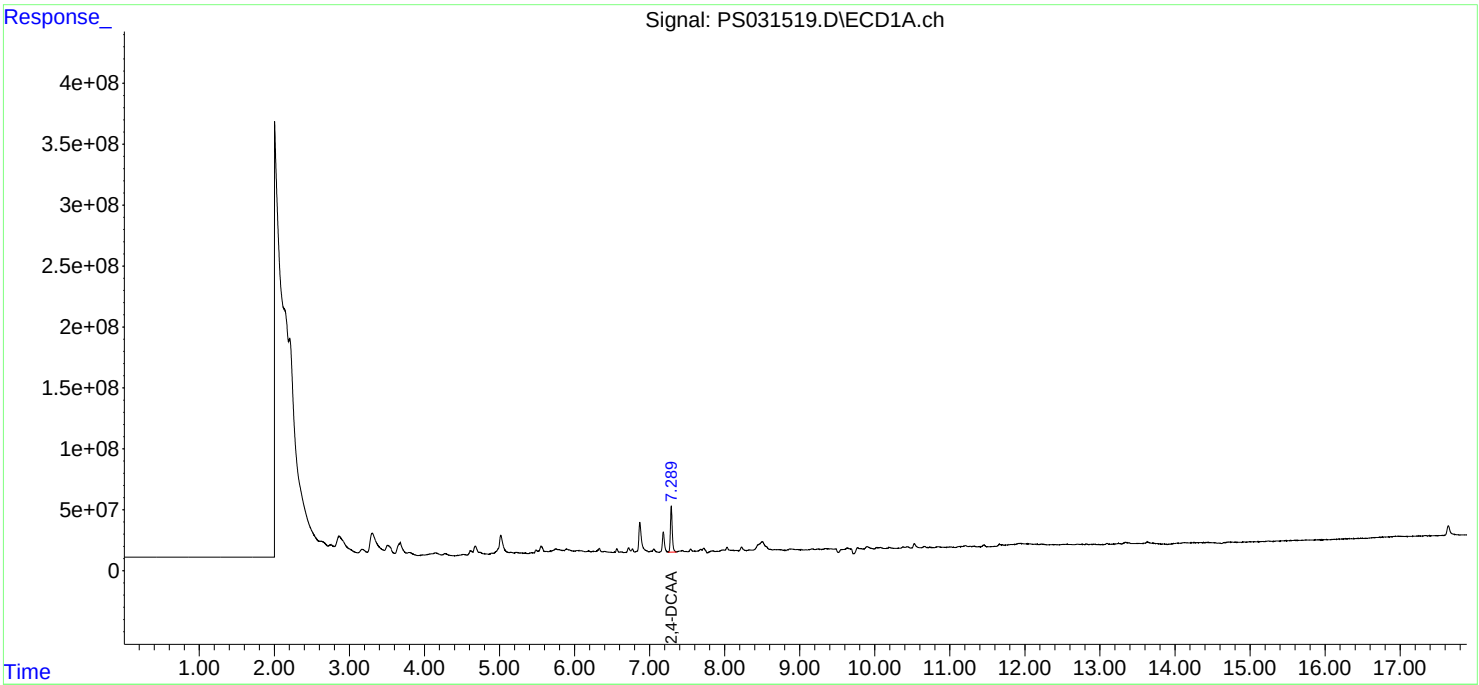
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

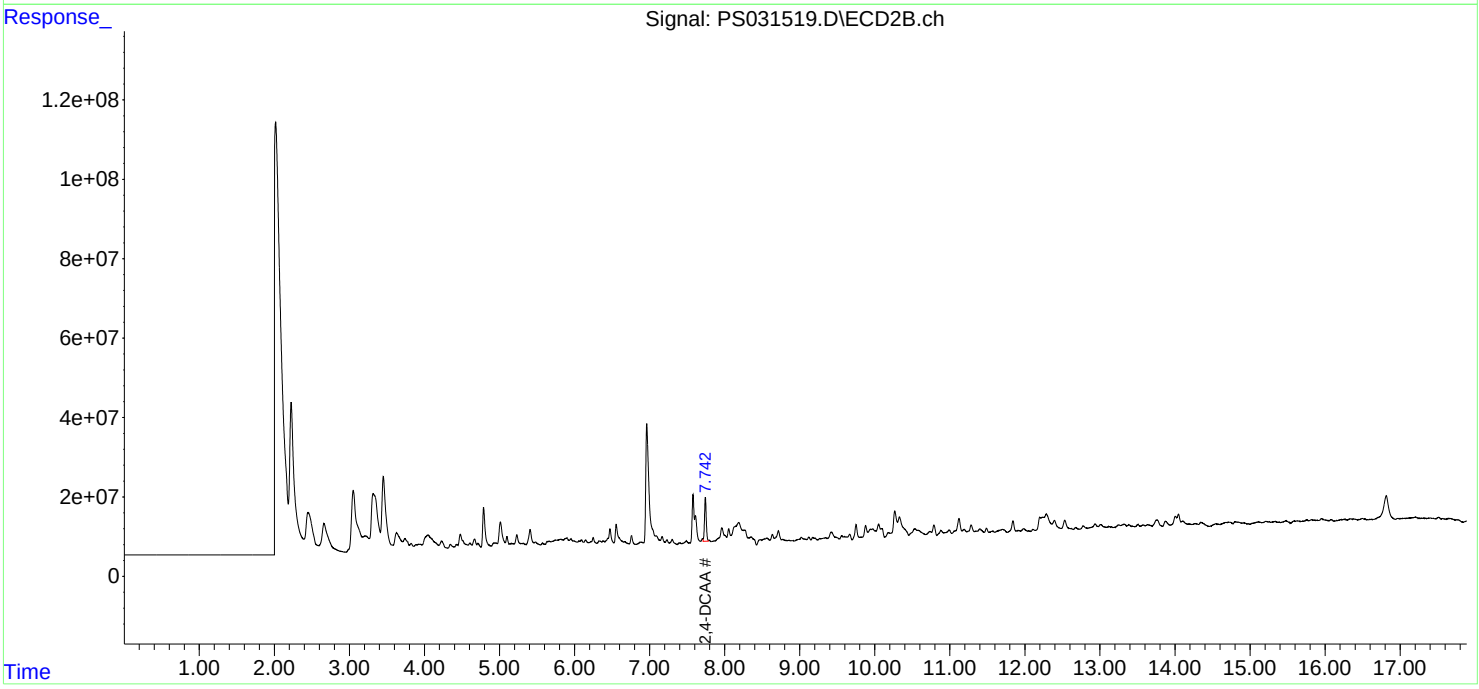
Manual Integrations APPROVED

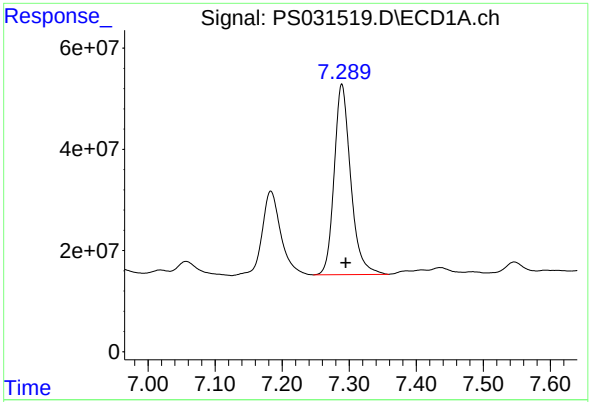
Reviewed By :Abdul Mirza 08/21/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







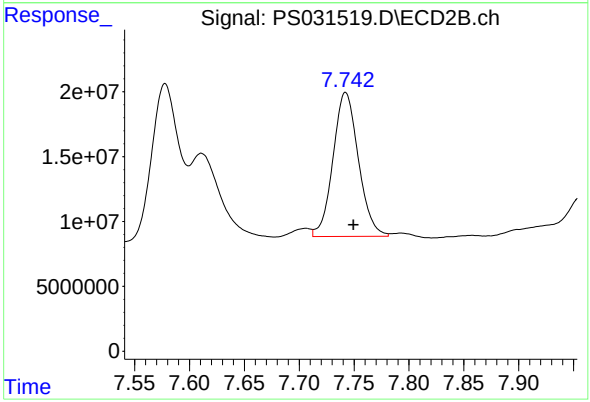
#4 2,4-DCAA

R.T.: 7.289 min
Delta R.T.: -0.006 min
Response: 643573214
Conc: 202.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/21/2025
Supervised By :mohammad ahmed 08/28/2025



#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 178985133
Conc: 211.73 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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP09-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-13	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92.8 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
PS031505.D	1	08/18/25 09:40	08/19/25 21:57	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0083	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.054	U	0.019	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.014	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.036	U	0.0097	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.0097	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.0094	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.036	U	0.026	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.036	U	0.012	0.036	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	142		27 - 122		28%	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\PS081925\
Data File : PS031505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 21:57
Operator : AR\AJ
Sample : Q2879-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:25:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.273	7.749	172.7E6	120.3E6	54.409m	142.302m#
	Target Compounds						

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

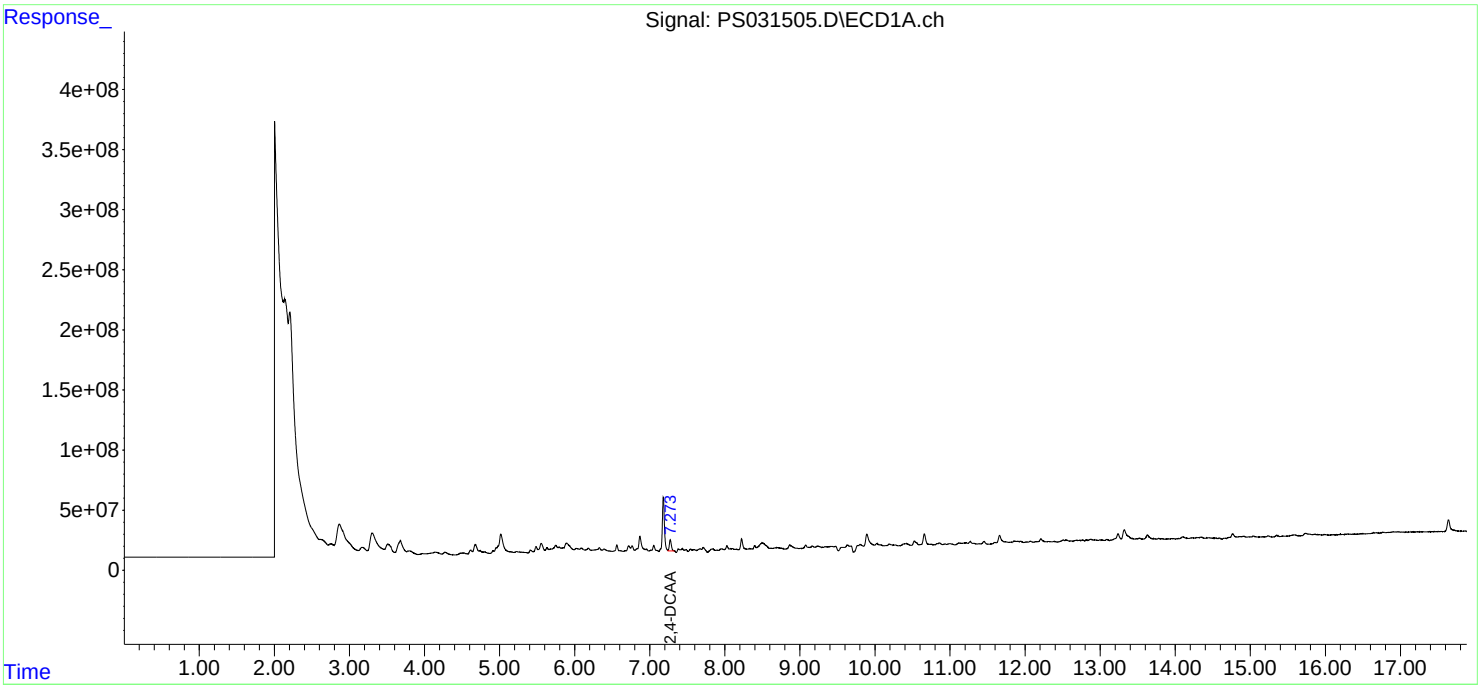
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 21:57
Operator : AR\AJ
Sample : Q2879-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

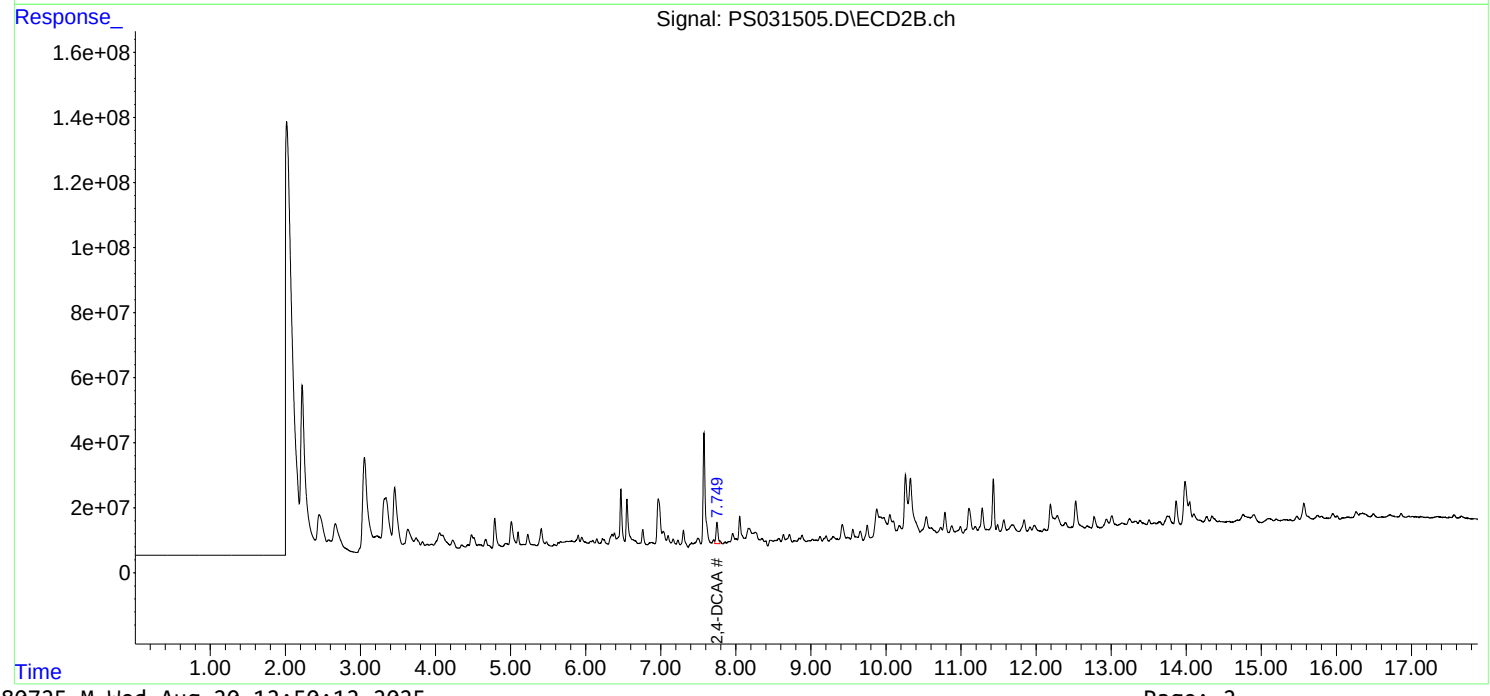
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

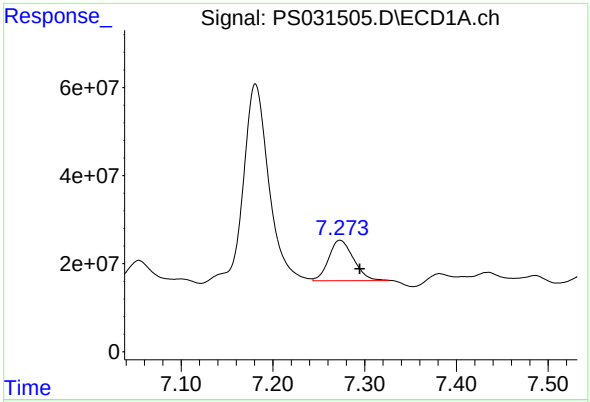
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:25:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







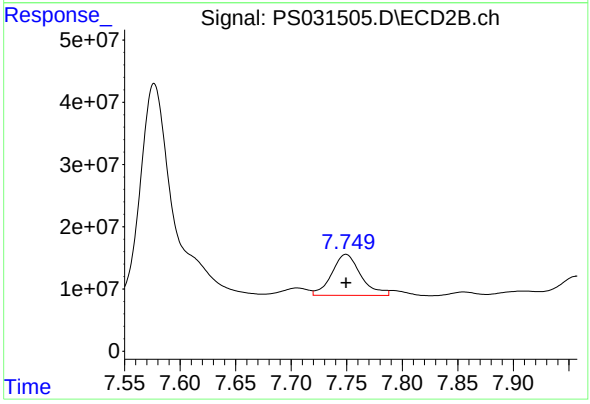
#4 2,4-DCAA

R.T.: 7.273 min
Delta R.T.: -0.022 min
Response: 172694029
Conc: 54.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



#4 2,4-DCAA

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 120293882
Conc: 142.30 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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP09-081425RE	SDG No.:	Q2879
Lab Sample ID:	Q2879-13RE	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92.8 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
PS031520.D	1	08/18/25 09:40	08/20/25 10:45	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0083	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.054	U	0.019	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.014	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.036	U	0.0097	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.0097	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.0094	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.036	U	0.026	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.036	U	0.012	0.036	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	145		27 - 122		29%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031520.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 10:45
Operator : AR\AJ
Sample : Q2879-13RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/21/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 11:04:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.272	7.749	159.5E6	122.6E6	50.268m	144.978m#
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031520.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 10:45
Operator : AR\AJ
Sample : Q2879-13RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

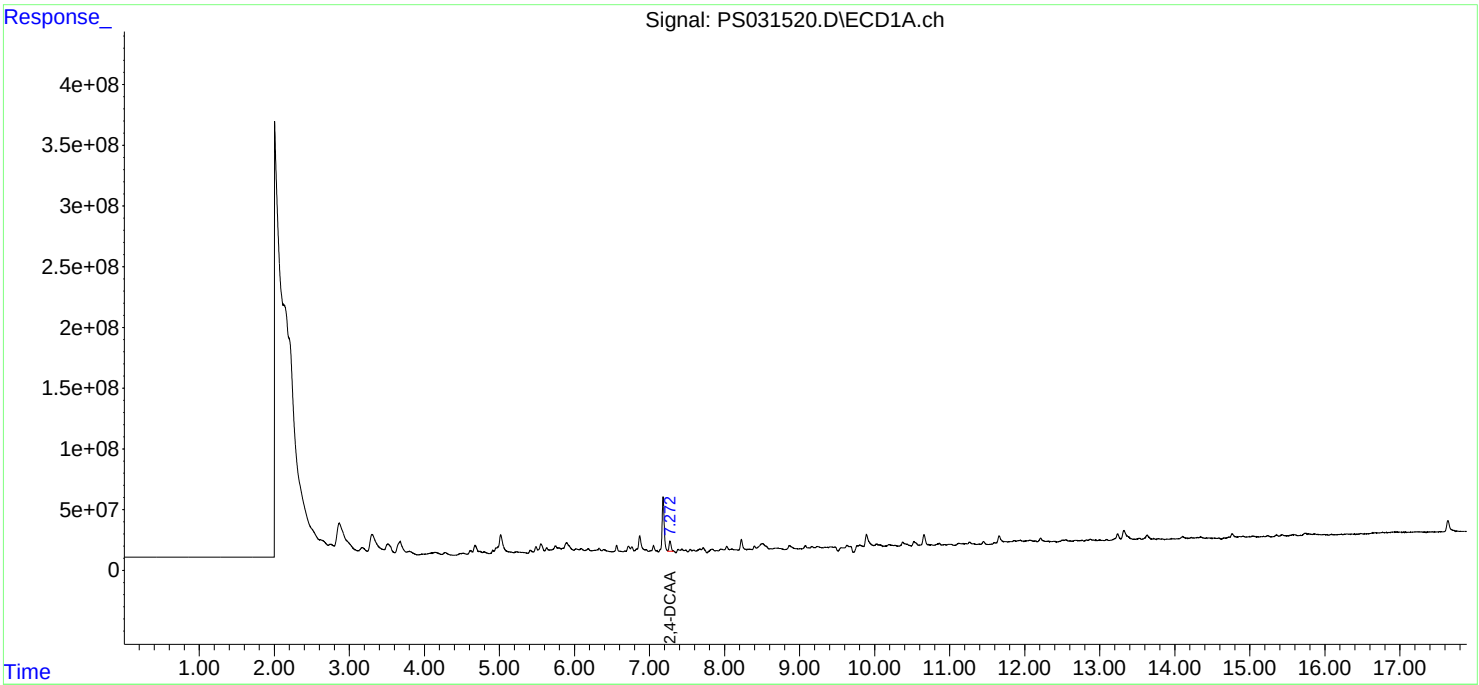
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE

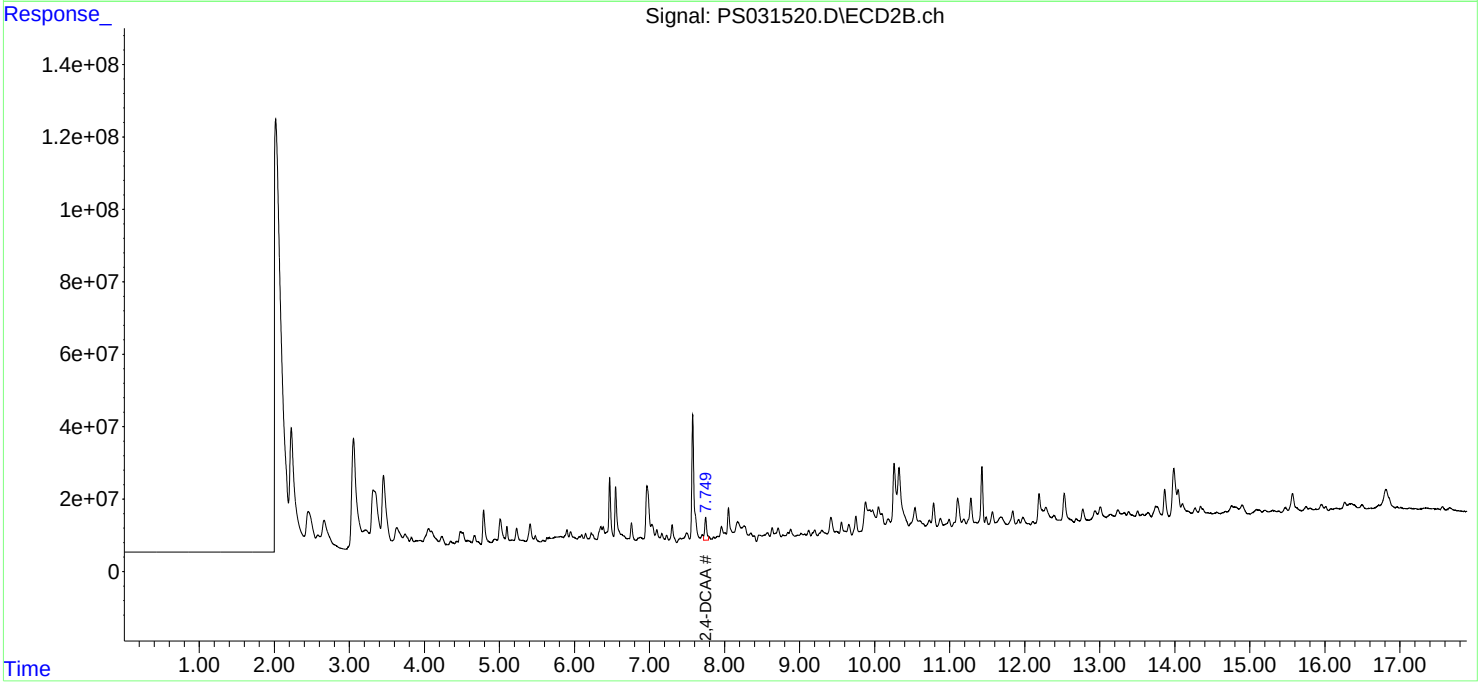
Manual Integrations APPROVED

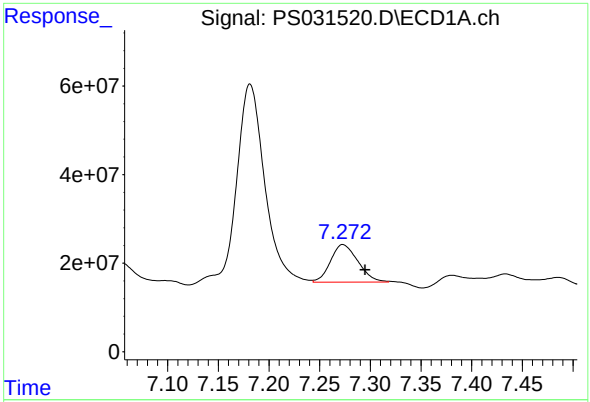
Reviewed By :Abdul Mirza 08/21/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 11:04:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







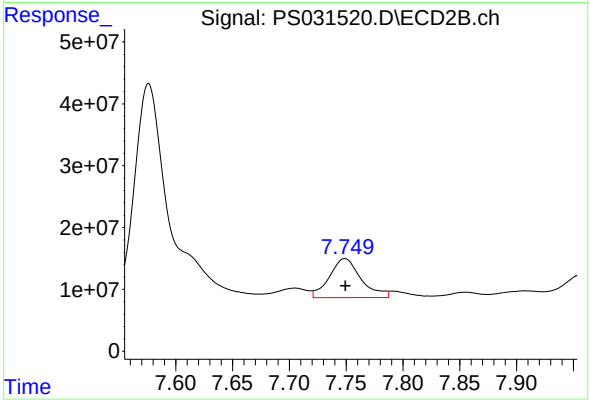
#4 2,4-DCAA

R.T.: 7.272 min
Delta R.T.: -0.023 min
Response: 159548668
Conc: 50.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/21/2025
Supervised By :mohammad ahmed 08/28/2025



#4 2,4-DCAA

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 122555726
Conc: 144.98 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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP10-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-15	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.3 Decanted:
Sample Wt/Vol:	30.07 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
PS031506.D	1	08/18/25 09:40	08/19/25 22:22	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0085	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.055	U	0.019	0.055	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.014	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.0099	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.0099	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.0095	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.026	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.036	U	0.012	0.036	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	213		27 - 122		43%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 22:22
Operator : AR\AJ
Sample : Q2879-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:25:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.285	7.744	505.1E6	180.2E6	159.125	213.111m#
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 22:22
Operator : AR\AJ
Sample : Q2879-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

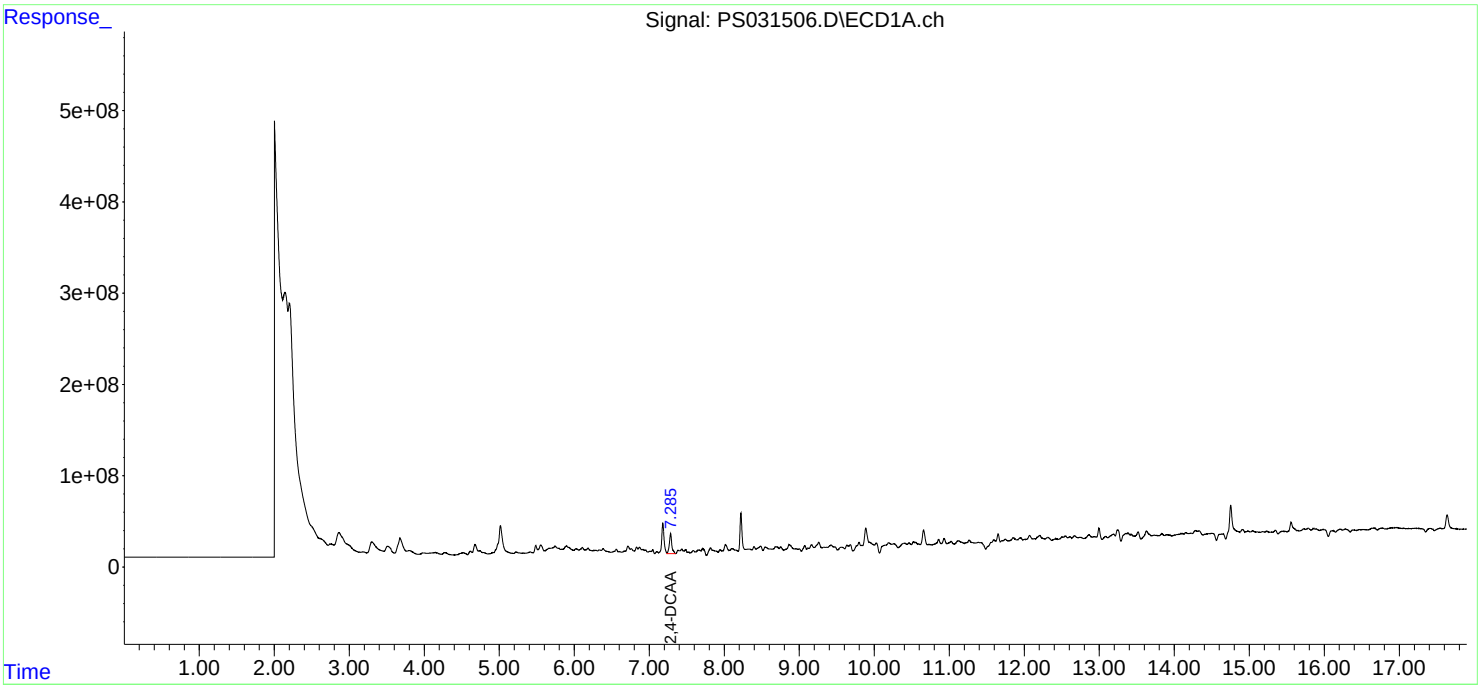
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

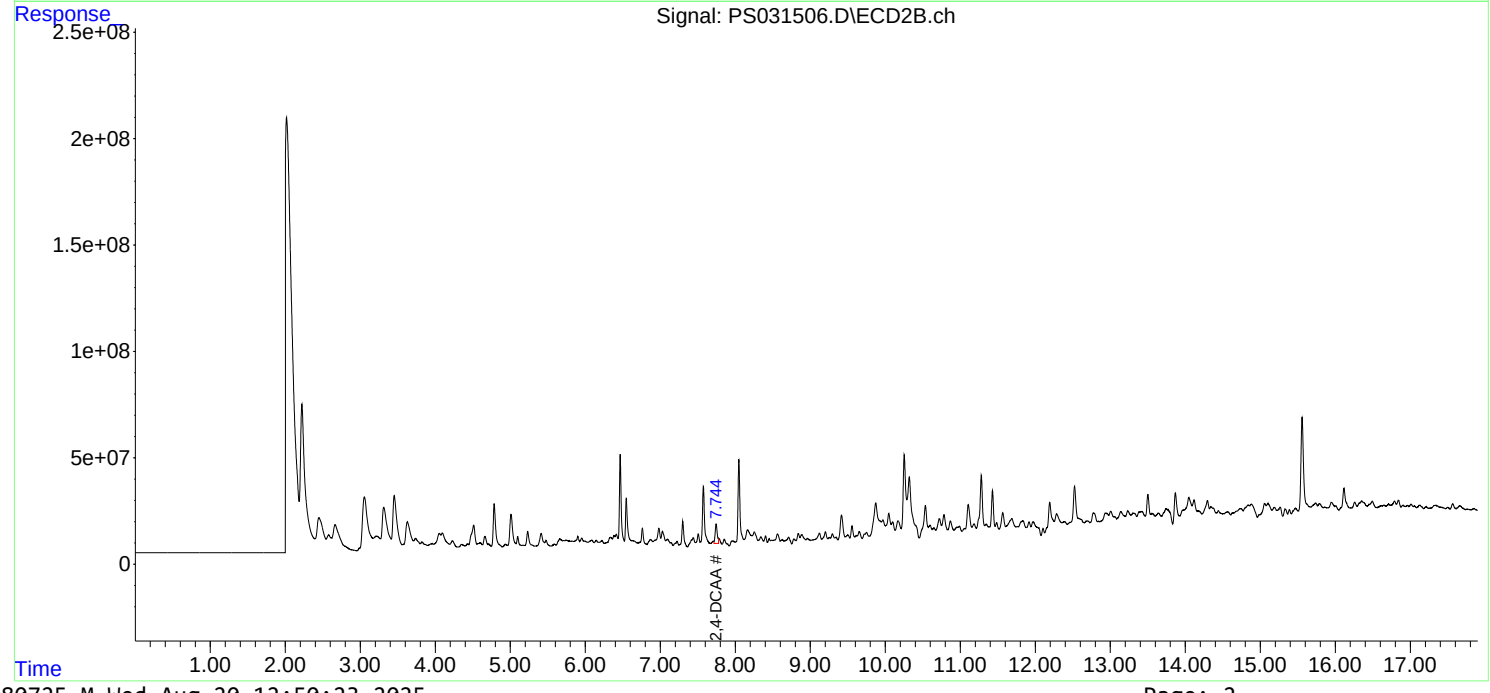
Manual Integrations APPROVED

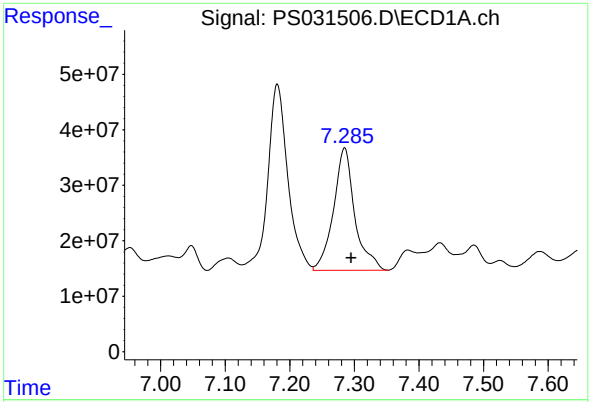
Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:25:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







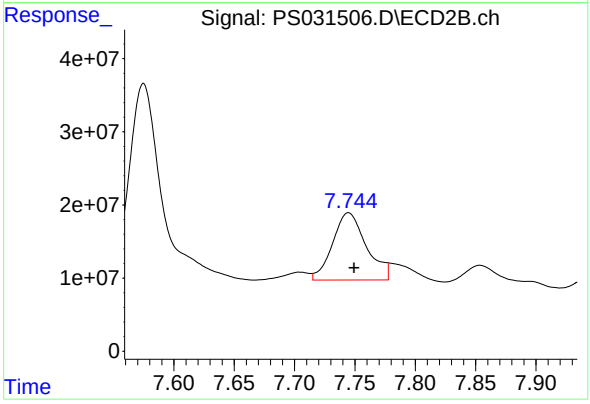
#4 2,4-DCAA

R.T.: 7.285 min
Delta R.T.: -0.010 min
Response: 505060427
Conc: 159.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: -0.005 min
Response: 180151220
Conc: 213.11 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:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-17	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	77 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
PS031521.D	1	08/18/25 09:40	08/20/25 11:35	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.043	U	0.010	0.043	0.087	mg/Kg
75-99-0	DALAPON	0.065	U	0.023	0.065	0.087	mg/Kg
120-36-5	DICHLORPROP	0.043	U	0.017	0.043	0.087	mg/Kg
94-75-7	2,4-D	0.043	U	0.012	0.043	0.087	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.043	U	0.012	0.043	0.087	mg/Kg
93-76-5	2,4,5-T	0.043	U	0.011	0.043	0.087	mg/Kg
94-82-6	2,4-DB	0.043	U	0.031	0.043	0.087	mg/Kg
88-85-7	DINOSEB	0.043	U	0.014	0.043	0.087	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	206		27 - 122		41%	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\PS082025\
Data File : PS031521.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 11:35
Operator : AR\AJ
Sample : Q2879-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/28/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 12:00:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.287	7.742	623.1E6	174.3E6	196.312	206.215m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031521.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 11:35
Operator : AR\AJ
Sample : Q2879-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

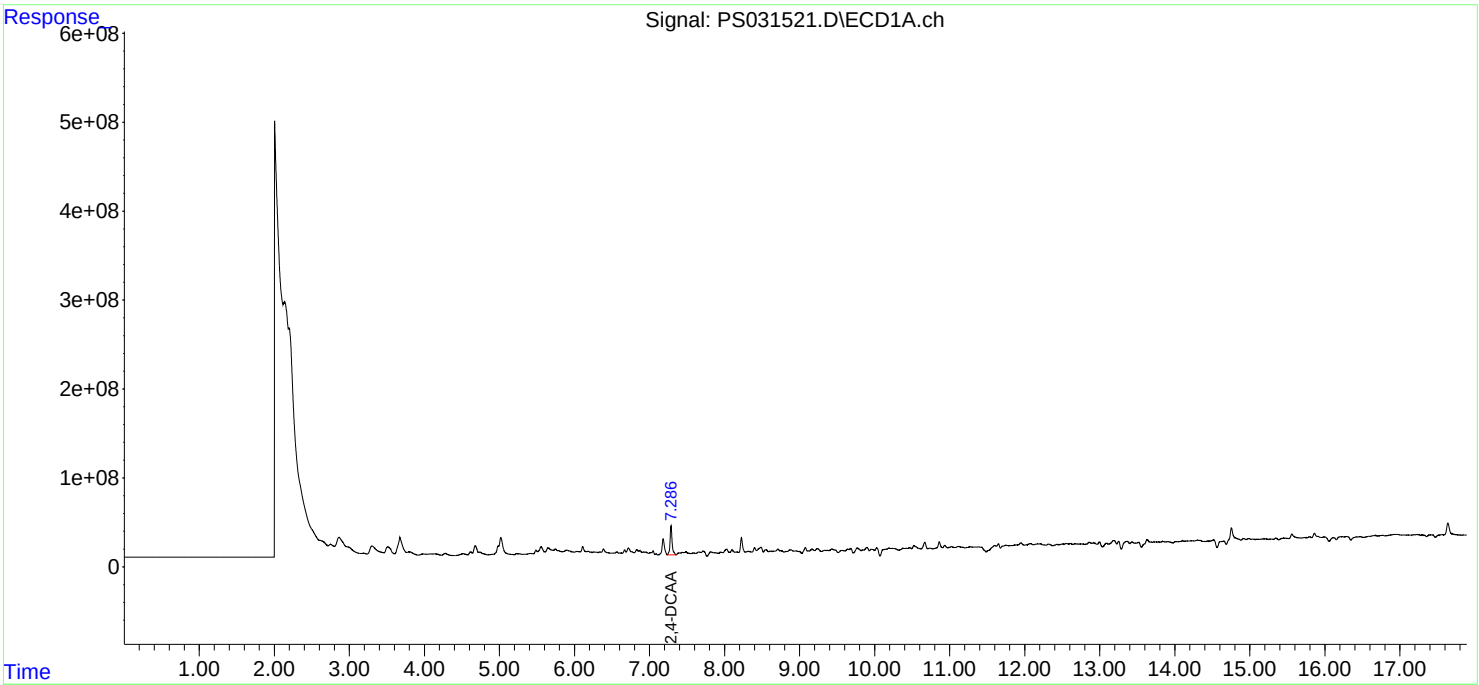
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

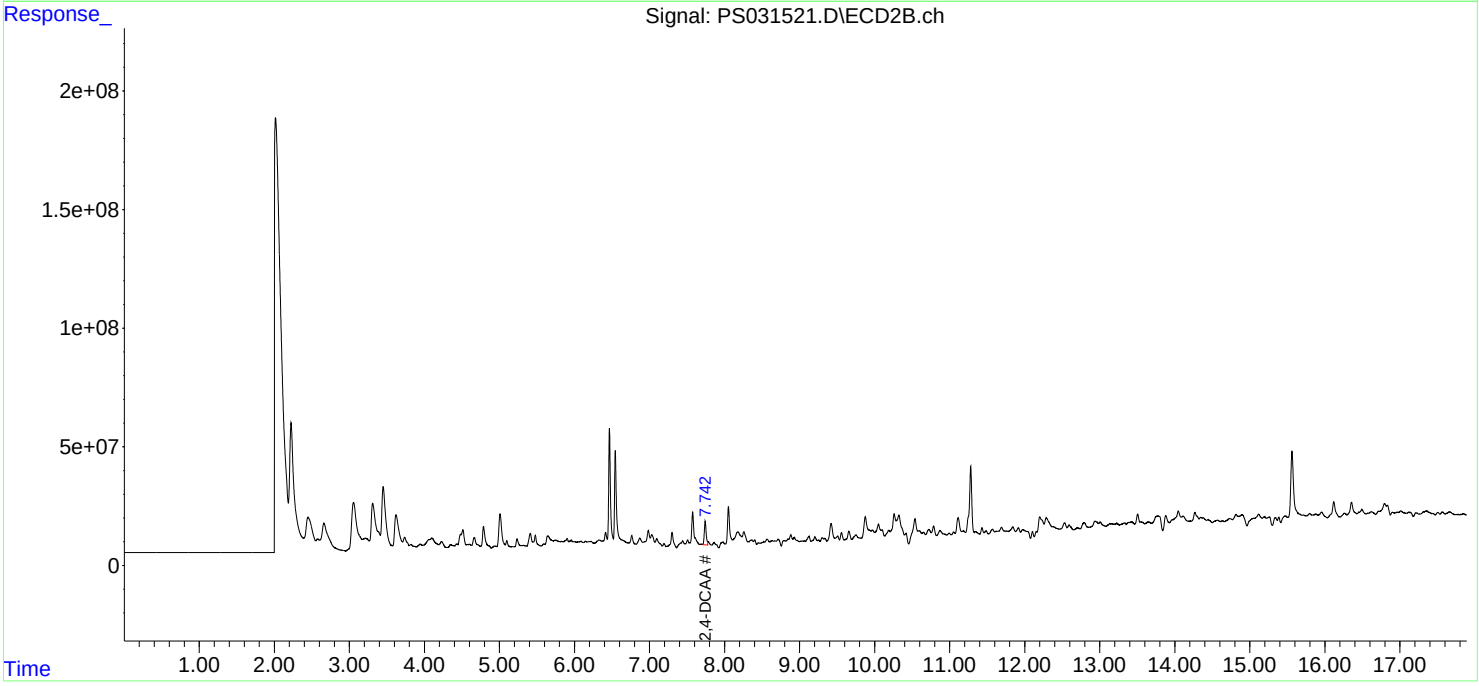
Manual Integrations APPROVED

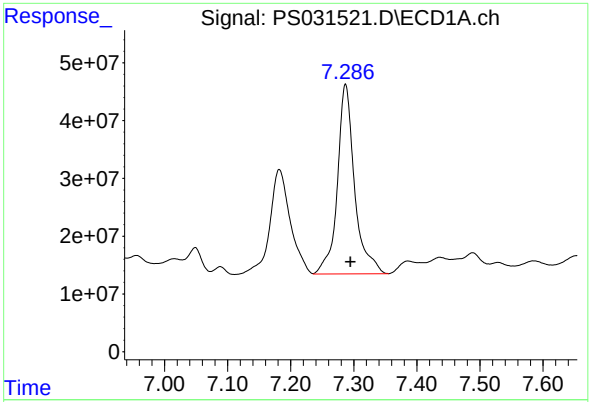
Reviewed By :Abdul Mirza 08/28/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 12:00:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







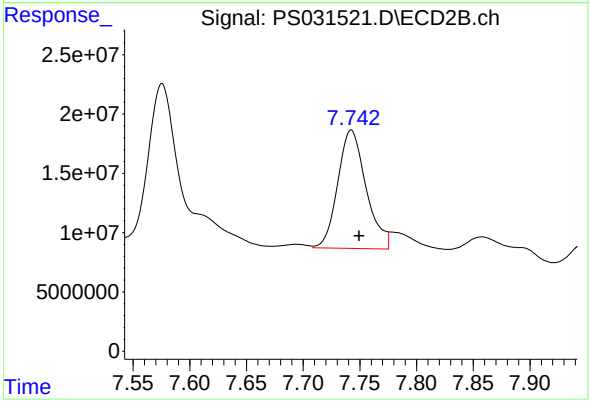
#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: -0.008 min
Response: 623091892
Conc: 196.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/28/2025
Supervised By :mohammad ahmed 08/28/2025



#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 174321394
Conc: 206.21 ng/ml m

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.:** Q2879

Instrument ID: ECD_S **Calibration Date(s):** 08/07/2025 08/07/2025

Calibration Times: 12:02 13:38

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

LAB FILE ID: RT 200 = PS031379.D RT 500 = PS031380.D

RT 750 = PS031381.D RT 1000 = PS031382.D RT 1500 = PS031383.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.60	9.60	9.60	9.59	9.59	9.60	9.50	9.70
2,4,5-TP(Silvex)	9.30	9.30	9.30	9.30	9.30	9.30	9.20	9.40
2,4-D	8.43	8.42	8.42	8.42	8.42	8.42	8.32	8.52
2,4-DB	10.17	10.17	10.17	10.17	10.17	10.17	10.07	10.27
2,4-DCAA	7.30	7.30	7.30	7.29	7.29	7.29	7.19	7.39
Dalapon	2.68	2.68	2.67	2.68	2.68	2.68	2.58	2.78
DICAMBA	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
DICHLORPROP	8.19	8.19	8.19	8.19	8.19	8.19	8.09	8.29
Dinoseb	11.37	11.37	11.37	11.37	11.37	11.37	11.27	11.47

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.:** Q2879

Instrument ID: ECD_S **Calibration Date(s):** 08/07/2025 08/07/2025

Calibration Times: 12:02 13:38

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

LAB FILE ID: RT 200 = PS031379.D RT 500 = PS031380.D

RT 750 = PS031381.D RT 1000 = PS031382.D RT 1500 = PS031383.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.33	10.33	10.33	10.33	10.33	10.33	10.23	10.43
2,4,5-TP(Silvex)	9.90	9.90	9.90	9.90	9.90	9.90	9.80	10.00
2,4-D	9.01	9.01	9.01	9.00	9.00	9.01	8.91	9.11
2,4-DB	10.90	10.90	10.90	10.90	10.90	10.90	10.80	11.00
2,4-DCAA	7.75	7.75	7.75	7.75	7.75	7.75	7.65	7.85
Dalapon	2.70	2.70	2.70	2.70	2.70	2.70	2.60	2.80
DICAMBA	7.95	7.95	7.95	7.95	7.95	7.95	7.85	8.05
DICHLORPROP	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Dinoseb	11.28	11.28	11.28	11.28	11.28	11.28	11.18	11.38

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.: Q2879
Calibration Date(s): 08/07/2025 08/07/2025
Calibration Times: 12:02 13:38

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

LAB FILE ID: CF 200 = PS031379.D CF 500 = PS031380.D
CF 750 = PS031381.D CF 1000 = PS031382.D CF 1500 = PS031383.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	14229100000	14627000000	14757200000	14899300000	14743500000	14651200000	2
2,4,5-TP(Silvex)	18839000000	18369900000	17907800000	17569300000	16932500000	17923700000	4
2,4-D	3359960000	2835460000	2754100000	2719120000	2715430000	2876820000	10
2,4-DB	1765270000	1862590000	1935200000	1978930000	2066610000	1921720000	6
2,4-DCAA	3597170000	3293120000	3103110000	3009470000	2867080000	3173990000	9
Dalapon	5907660000	5378780000	5122930000	5021080000	4814230000	5248940000	8
DICAMBA	15146900000	14369900000	13812000000	13501200000	13002300000	13966500000	6
DICHLORPROP	3647490000	3253590000	3072800000	2997170000	2891100000	3172430000	9
Dinoseb	12870200000	12878100000	12763700000	12639700000	12240700000	12678500000	2

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.: Q2879
Calibration Date(s): 08/07/2025 08/07/2025
Calibration Times: 12:02 13:38

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

LAB FILE ID: CF 200 = PS031379.D CF 500 = PS031380.D
CF 750 = PS031381.D CF 1000 = PS031382.D CF 1500 = PS031383.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	11863000000	12095100000	11876900000	11803500000	11560300000	11839800000	2
2,4,5-TP(Silvex)	13728500000	13523000000	13089500000	12836400000	12402700000	13116000000	4
2,4-D	1540750000	1470040000	1417550000	1385470000	1322620000	1427290000	6
2,4-DB	1005820000	969148000	955080000	947577000	946609000	964846000	3
2,4-DCAA	909289000	862278000	831824000	818654000	804653000	845340000	5
Dalapon	2997870000	2722360000	2589990000	2537170000	2457660000	2661010000	8
DICAMBA	5812410000	5757390000	5651440000	5636100000	5556120000	5682690000	2
DICHLORPROP	1488120000	1365100000	1302990000	1273060000	1245890000	1335030000	7
Dinoseb	9641840000	9618490000	9510960000	9426380000	9087080000	9456950000	2

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031379.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 12:02
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:11:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.296	7.751	719.4E6	181.9E6	231.843	218.625
	Target Compounds						
1) T	Dalapon	2.676	2.696	1075.2E6	545.6E6	209.879	210.662
2) T	3,5-DICHL...	6.461	6.702	989.6E6	277.2E6	213.739	209.104
3) T	4-Nitroph...	7.104	7.306	197.2E6	204.1E6	190.292	160.746
5) T	DICAMBA	7.481	7.947	2847.6E6	1092.7E6	206.171	193.355
6) T	MCPP	7.658	8.042	111.0E6	26621232	13.111	14.333
7) T	MCPA	7.806	8.288	163.7E6	46873653	16.168	16.267
8) T	DICHLORPROP	8.190	8.667	685.7E6	279.8E6	223.160	214.711
9) T	2,4-D	8.427	9.011	631.7E6	289.7E6	229.357	204.339
10) T	Pentachlo...	8.721	9.518	10500.8E6	6889.1E6	209.380	194.022
11) T	2,4,5-TP ...	9.300	9.904	3579.4E6	2608.4E6	199.880	199.276
12) T	2,4,5-T	9.597	10.334	2703.5E6	2254.0E6	183.200	189.777
13) T	2,4-DB	10.174	10.903	335.4E6	191.1E6	173.316	200.093
14) T	DINOSEB	11.373	11.278	2419.6E6	1812.7E6	189.568	190.587
15) T	Picloram	11.203	12.405	2131.3E6	2640.7E6	161.767	146.404
16) T	DCPA	11.672	12.319	4467.1E6	3839.1E6	195.020	193.521

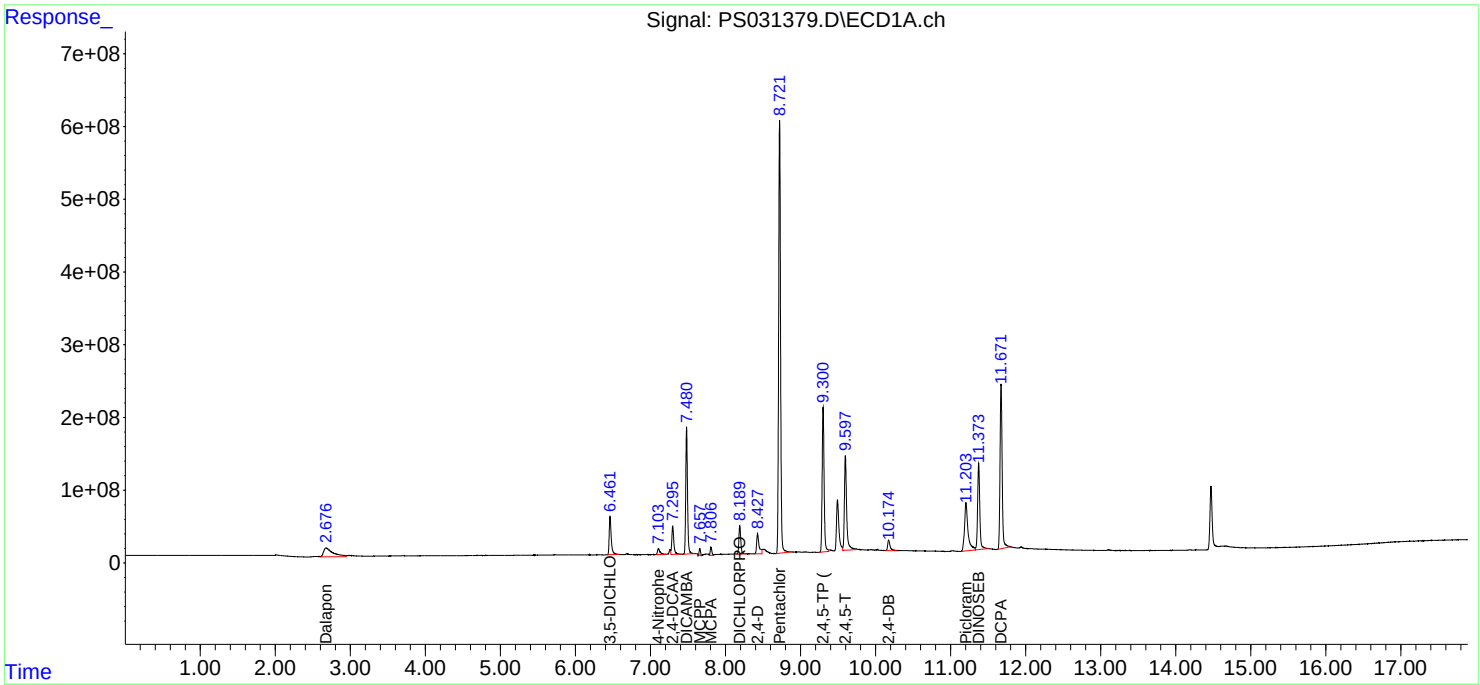
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

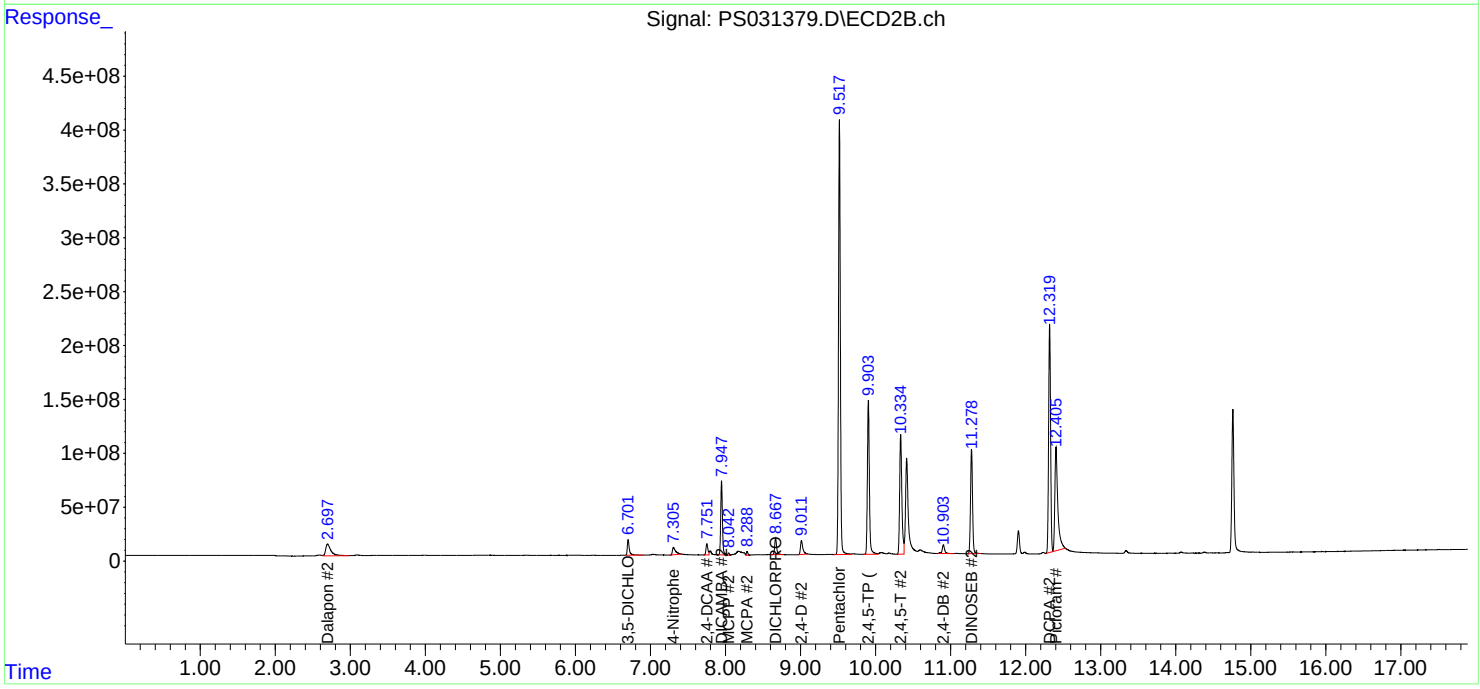
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031379.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 12:02
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

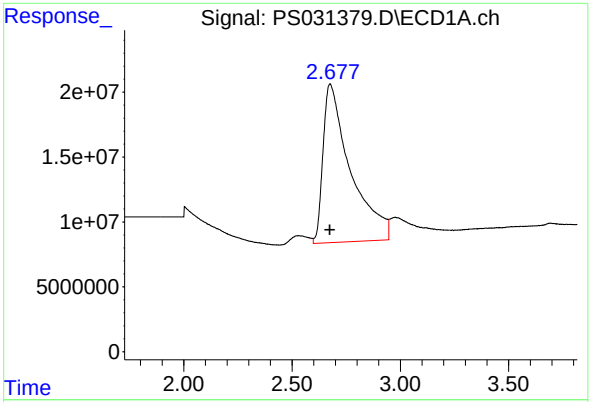
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:11:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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



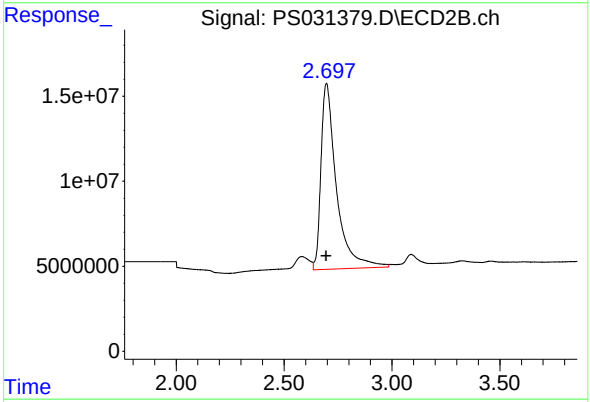




#1 Dalapon

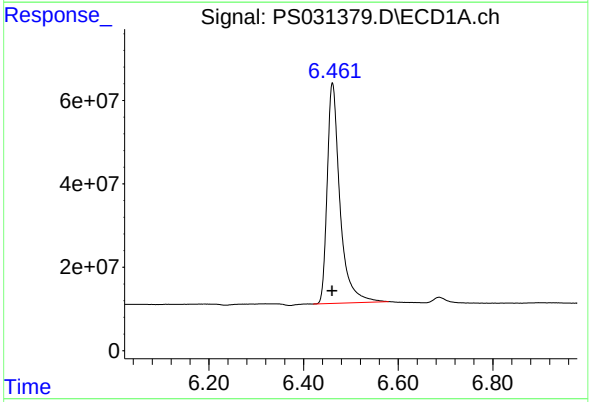
R.T.: 2.676 min
Delta R.T.: 0.002 min
Response: 1075193720
Conc: 209.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



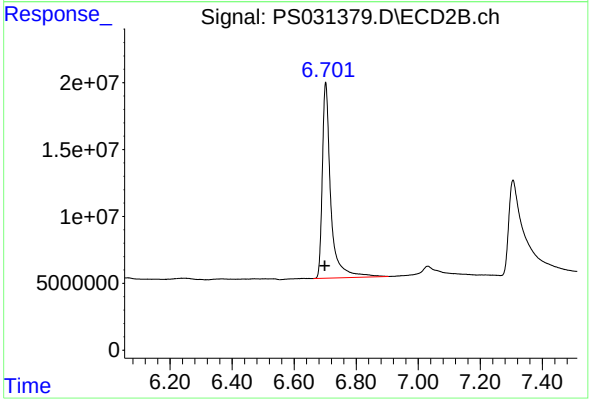
#1 Dalapon

R.T.: 2.696 min
Delta R.T.: 0.002 min
Response: 545612917
Conc: 210.66 ng/ml



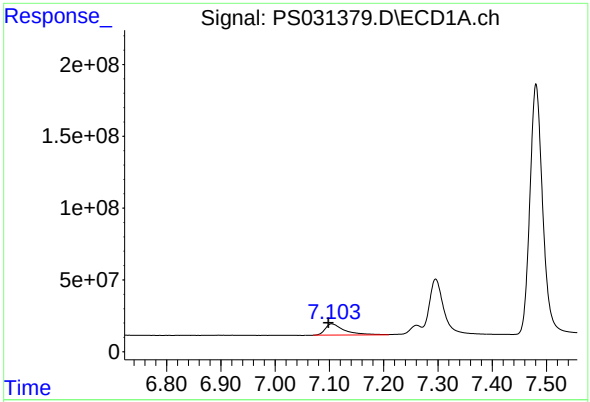
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.461 min
Delta R.T.: 0.000 min
Response: 989569812
Conc: 213.74 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

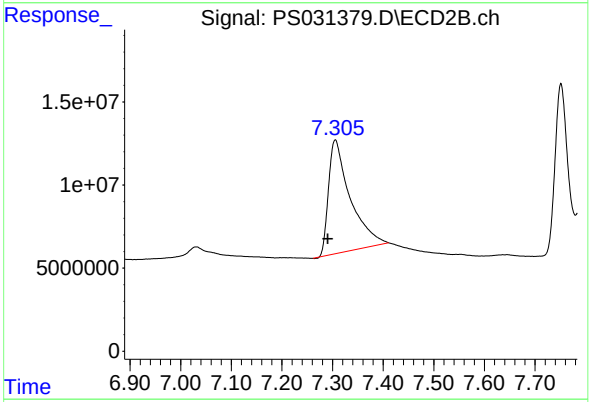
R.T.: 6.702 min
Delta R.T.: 0.003 min
Response: 277202110
Conc: 209.10 ng/ml



#3 4-Nitrophenol

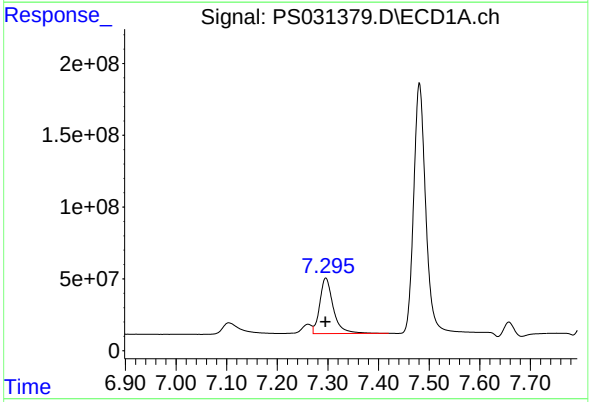
R.T.: 7.104 min
Delta R.T.: 0.006 min
Response: 197248561
Conc: 190.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



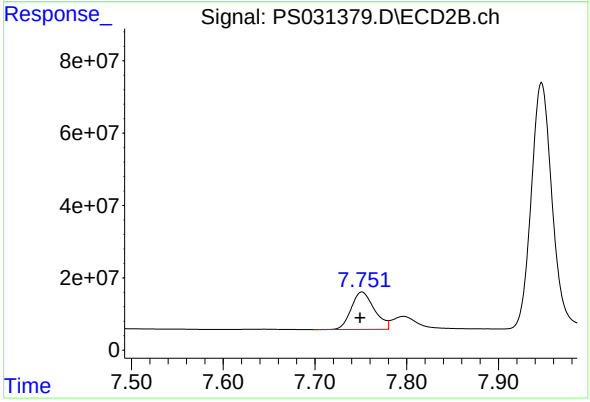
#3 4-Nitrophenol

R.T.: 7.306 min
Delta R.T.: 0.015 min
Response: 204090845
Conc: 160.75 ng/ml



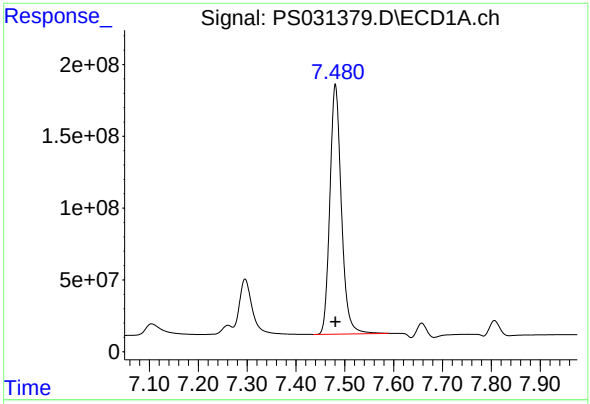
#4 2,4-DCAA

R.T.: 7.296 min
Delta R.T.: 0.000 min
Response: 719433763
Conc: 231.84 ng/ml



#4 2,4-DCAA

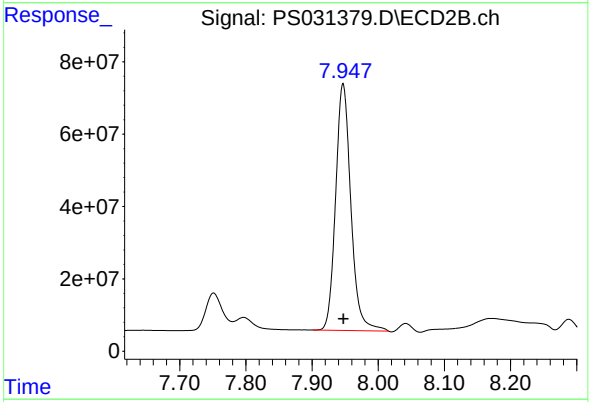
R.T.: 7.751 min
Delta R.T.: 0.002 min
Response: 181857860
Conc: 218.63 ng/ml



#5 DICAMBA

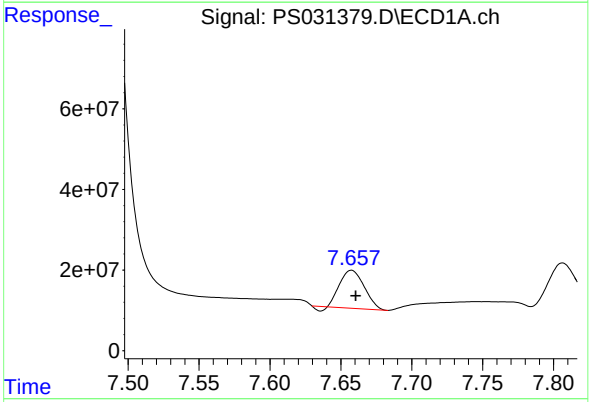
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 2847624549
Conc: 206.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



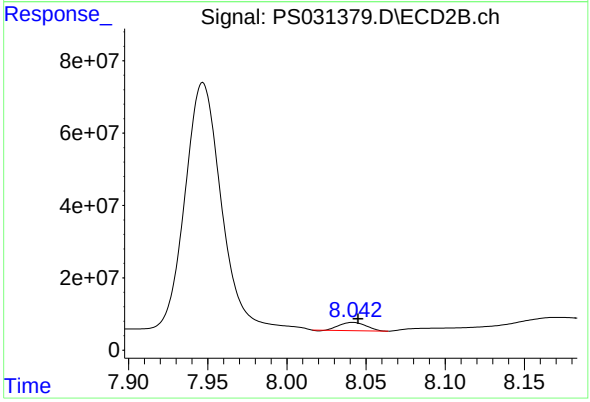
#5 DICAMBA

R.T.: 7.947 min
Delta R.T.: 0.000 min
Response: 1092732406
Conc: 193.35 ng/ml



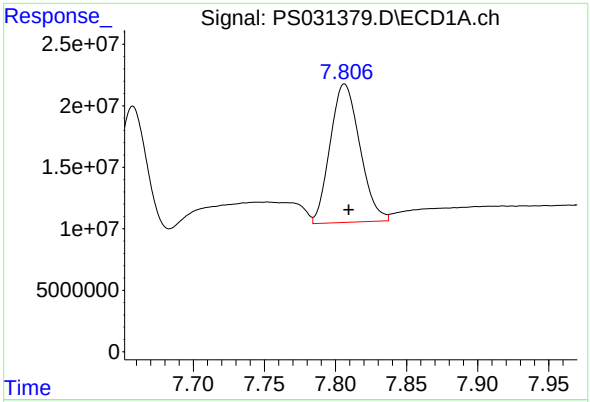
#6 MCPP

R.T.: 7.658 min
Delta R.T.: -0.003 min
Response: 110957071
Conc: 13.11 ug/ml



#6 MCPP

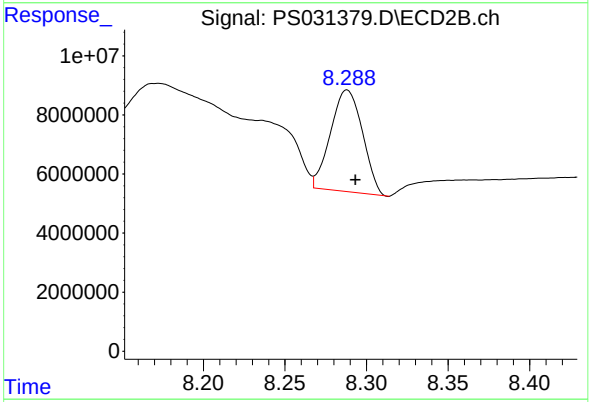
R.T.: 8.042 min
Delta R.T.: -0.003 min
Response: 26621232
Conc: 14.33 ug/ml



#7 MCPA

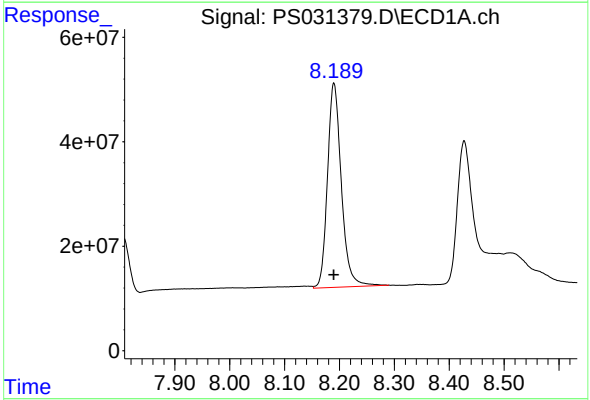
R.T.: 7.806 min
Delta R.T.: -0.003 min
Response: 163741570
Conc: 16.17 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



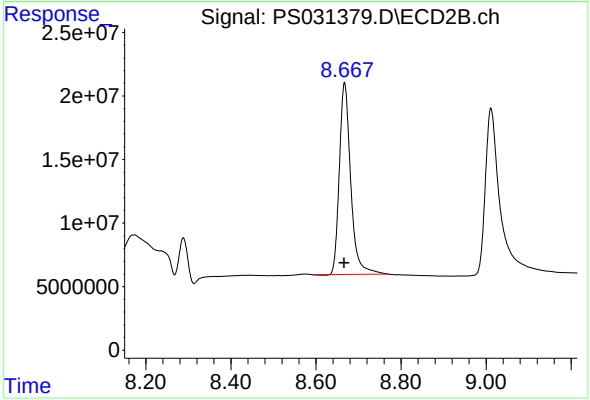
#7 MCPA

R.T.: 8.288 min
Delta R.T.: -0.005 min
Response: 46873653
Conc: 16.27 ug/ml



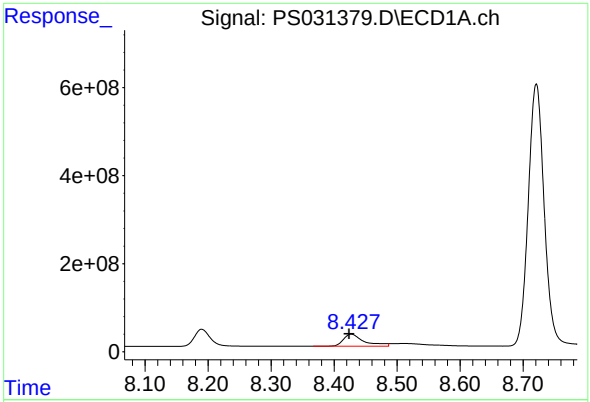
#8 DICHLORPROP

R.T.: 8.190 min
Delta R.T.: 0.000 min
Response: 685727226
Conc: 223.16 ng/ml



#8 DICHLORPROP

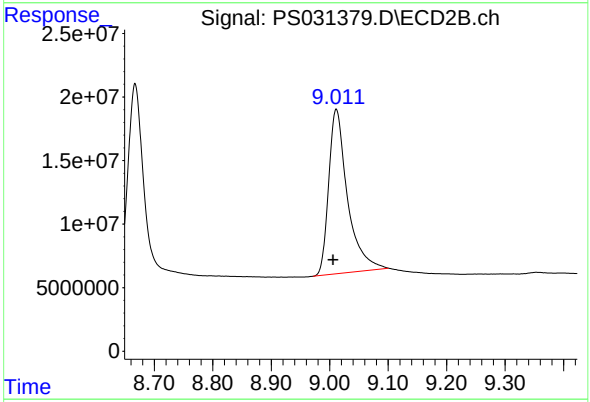
R.T.: 8.667 min
Delta R.T.: 0.001 min
Response: 279766746
Conc: 214.71 ng/ml



#9 2,4-D

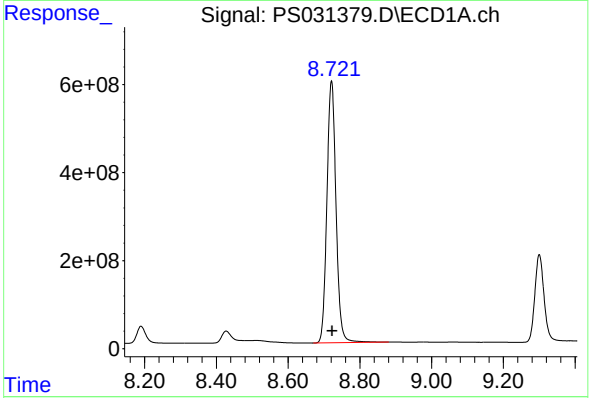
R.T.: 8.427 min
Delta R.T.: 0.004 min
Response: 631672168
Conc: 229.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



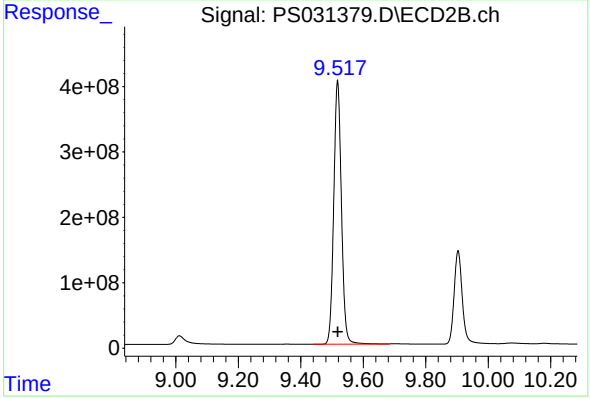
#9 2,4-D

R.T.: 9.011 min
Delta R.T.: 0.006 min
Response: 289660489
Conc: 204.34 ng/ml



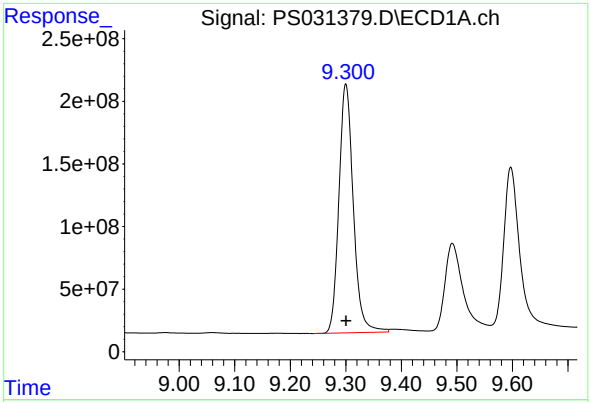
#10 Pentachlorophenol

R.T.: 8.721 min
Delta R.T.: -0.001 min
Response: 10500816080
Conc: 209.38 ng/ml



#10 Pentachlorophenol

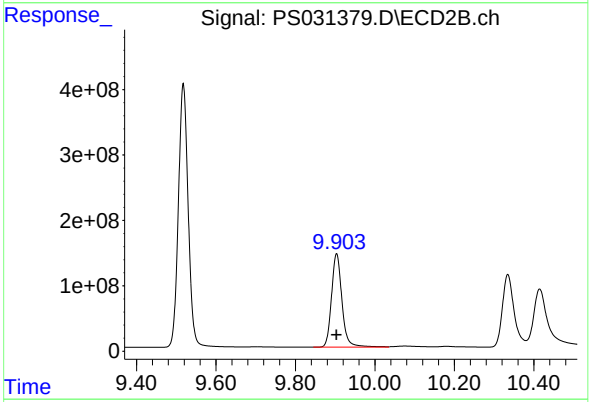
R.T.: 9.518 min
Delta R.T.: 0.000 min
Response: 6889113877
Conc: 194.02 ng/ml



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

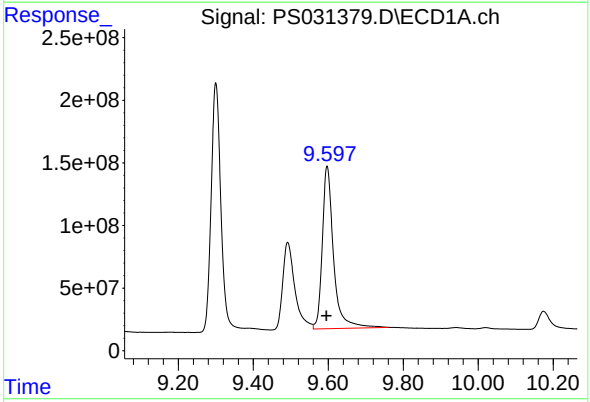
R.T.: 9.300 min
Delta R.T.: 0.000 min
Response: 3579415011
Conc: 199.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



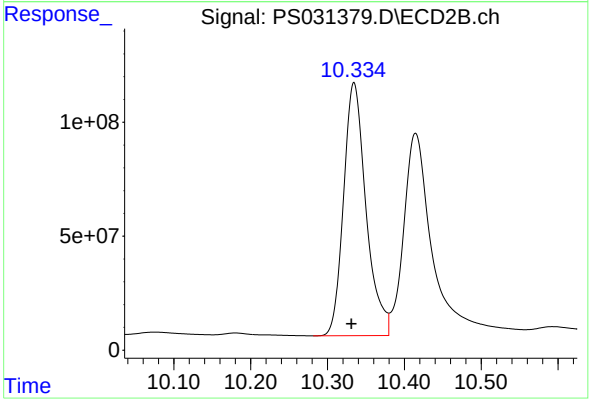
#11 2,4,5-TP (SILVEX)

R.T.: 9.904 min
Delta R.T.: 0.000 min
Response: 2608424410
Conc: 199.28 ng/ml



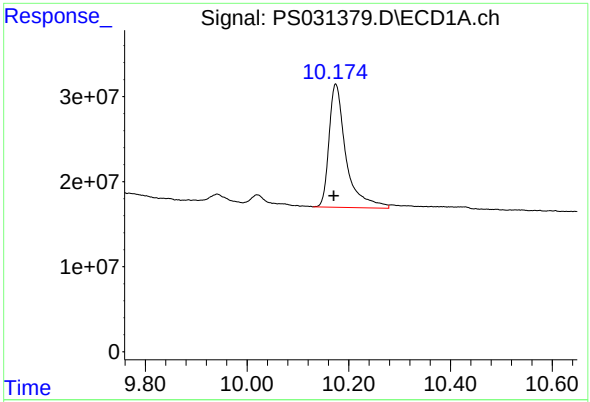
#12 2,4,5-T

R.T.: 9.597 min
Delta R.T.: 0.002 min
Response: 2703532137
Conc: 183.20 ng/ml



#12 2,4,5-T

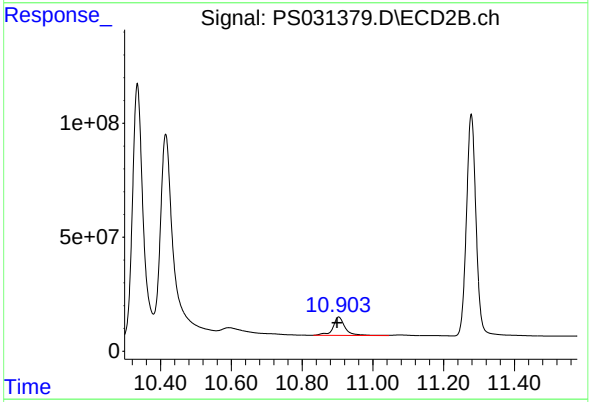
R.T.: 10.334 min
Delta R.T.: 0.003 min
Response: 2253967902
Conc: 189.78 ng/ml



#13 2,4-DB

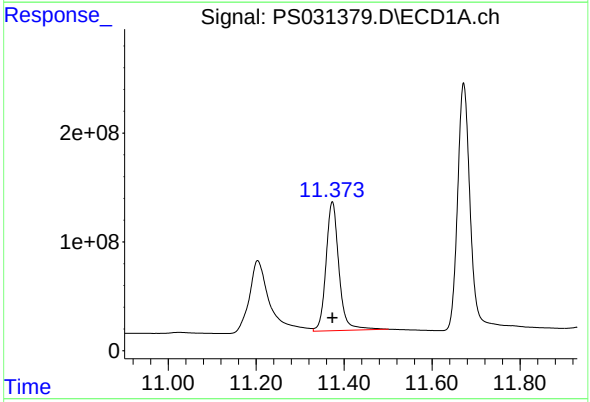
R.T.: 10.174 min
Delta R.T.: 0.004 min
Response: 335400607
Conc: 173.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



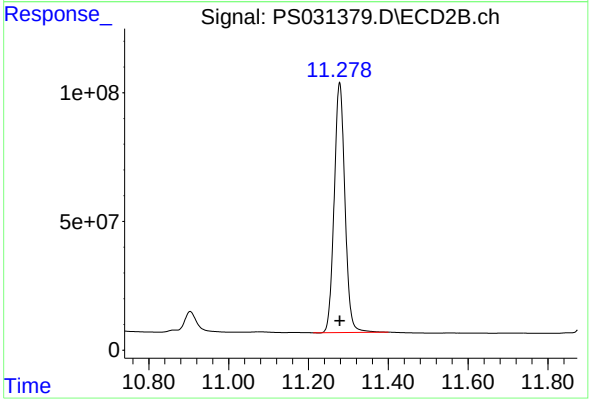
#13 2,4-DB

R.T.: 10.903 min
Delta R.T.: 0.004 min
Response: 191105261
Conc: 200.09 ng/ml



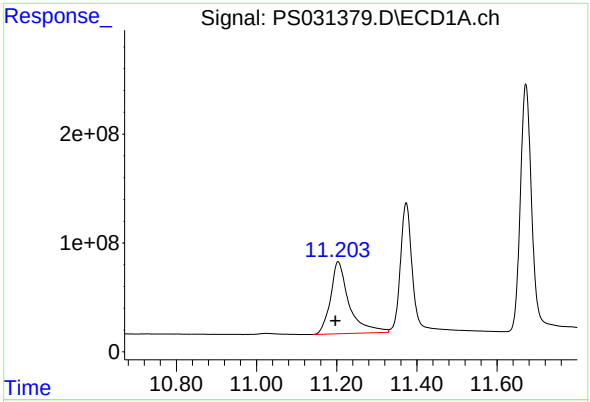
#14 DINOSEB

R.T.: 11.373 min
Delta R.T.: 0.000 min
Response: 2419592044
Conc: 189.57 ng/ml



#14 DINOSEB

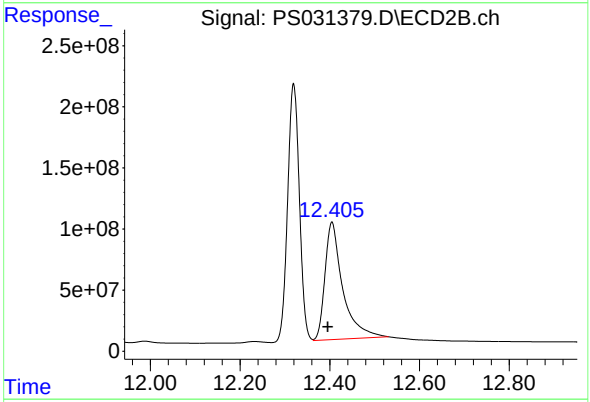
R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 1812666255
Conc: 190.59 ng/ml



#15 Picloram

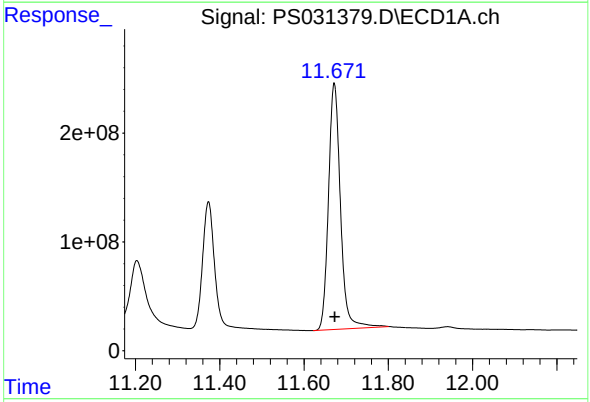
R.T.: 11.203 min
Delta R.T.: 0.006 min
Response: 2131288907
Conc: 161.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



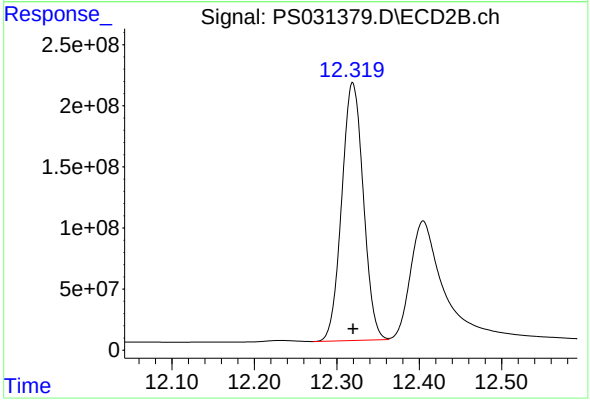
#15 Picloram

R.T.: 12.405 min
Delta R.T.: 0.009 min
Response: 2640683434
Conc: 146.40 ng/ml



#16 DCPA

R.T.: 11.672 min
Delta R.T.: -0.001 min
Response: 4467119959
Conc: 195.02 ng/ml



#16 DCPA

R.T.: 12.319 min
Delta R.T.: 0.000 min
Response: 3839070946
Conc: 193.52 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031380.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 12:26
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:11:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.295	7.749	1646.6E6	431.1E6	530.617	518.305
	Target Compounds						
1) T	Dalapon	2.675	2.696	2447.3E6	1238.7E6	477.724	478.255
2) T	3,5-DICHL...	6.461	6.699	2261.7E6	644.0E6	488.515	485.809
3) T	4-Nitroph...	7.100	7.293	476.5E6	576.9E6	459.697	454.376
5) T	DICAMBA	7.481	7.947	6753.8E6	2706.0E6	488.984	478.811
6) T	MCPP	7.659	8.043	378.5E6	85050954	44.726	45.791
7) T	MCPA	7.808	8.291	455.4E6	137.0E6	44.966	47.543
8) T	DICHLORPROP	8.190	8.666	1529.2E6	641.6E6	497.653	492.401
9) T	2,4-D	8.424	9.007	1332.7E6	690.9E6	483.884	487.405
10) T	Pentachlo...	8.721	9.518	24872.6E6	17363.9E6	495.944	489.029
11) T	2,4,5-TP ...	9.301	9.903	8725.7E6	6423.4E6	487.257	490.729
12) T	2,4,5-T	9.596	10.331	6947.8E6	5745.2E6	470.808	483.725
13) T	2,4-DB	10.172	10.900	884.7E6	460.3E6	457.178	481.996
14) T	DINOSEB	11.374	11.278	6052.7E6	4520.7E6	474.211	475.314
15) T	Picloram	11.199	12.398	5937.0E6	8060.9E6	450.624	446.911
16) T	DCPA	11.672	12.320	11298.7E6	9750.1E6	493.263	491.488

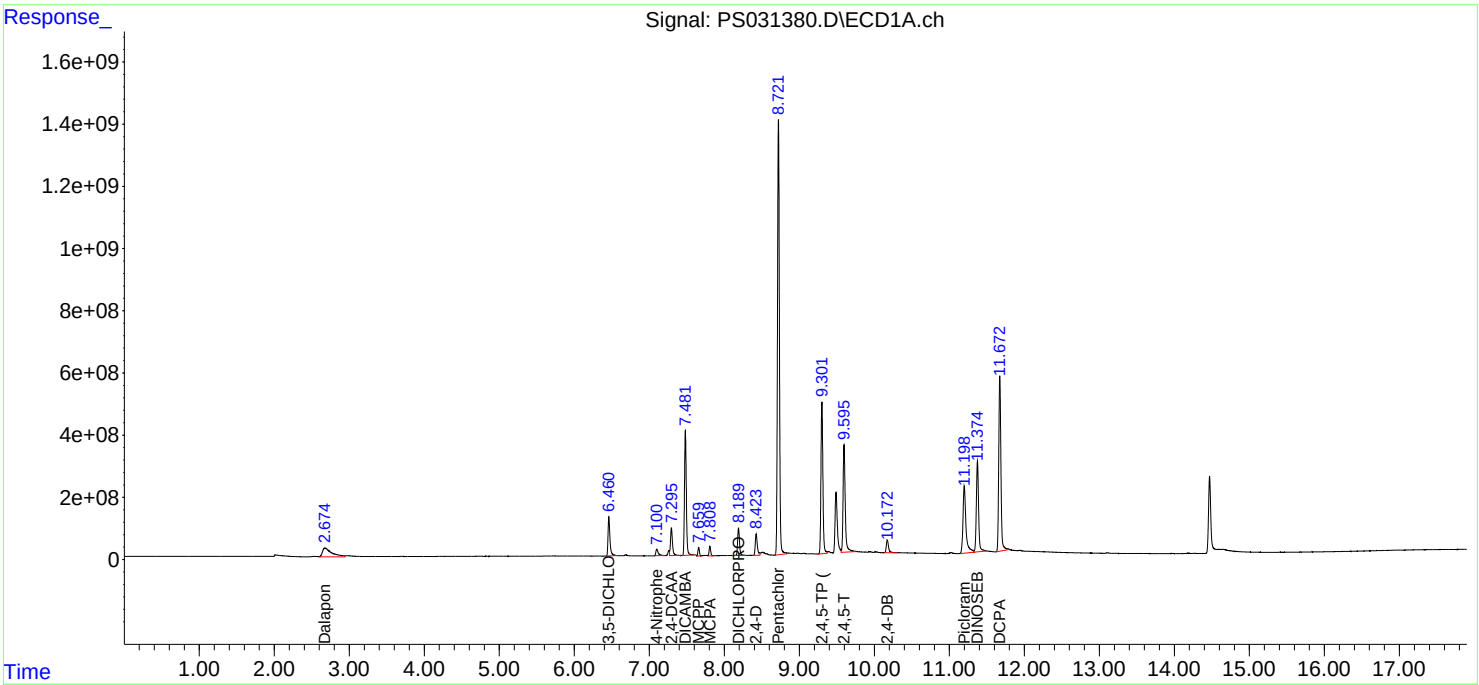
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

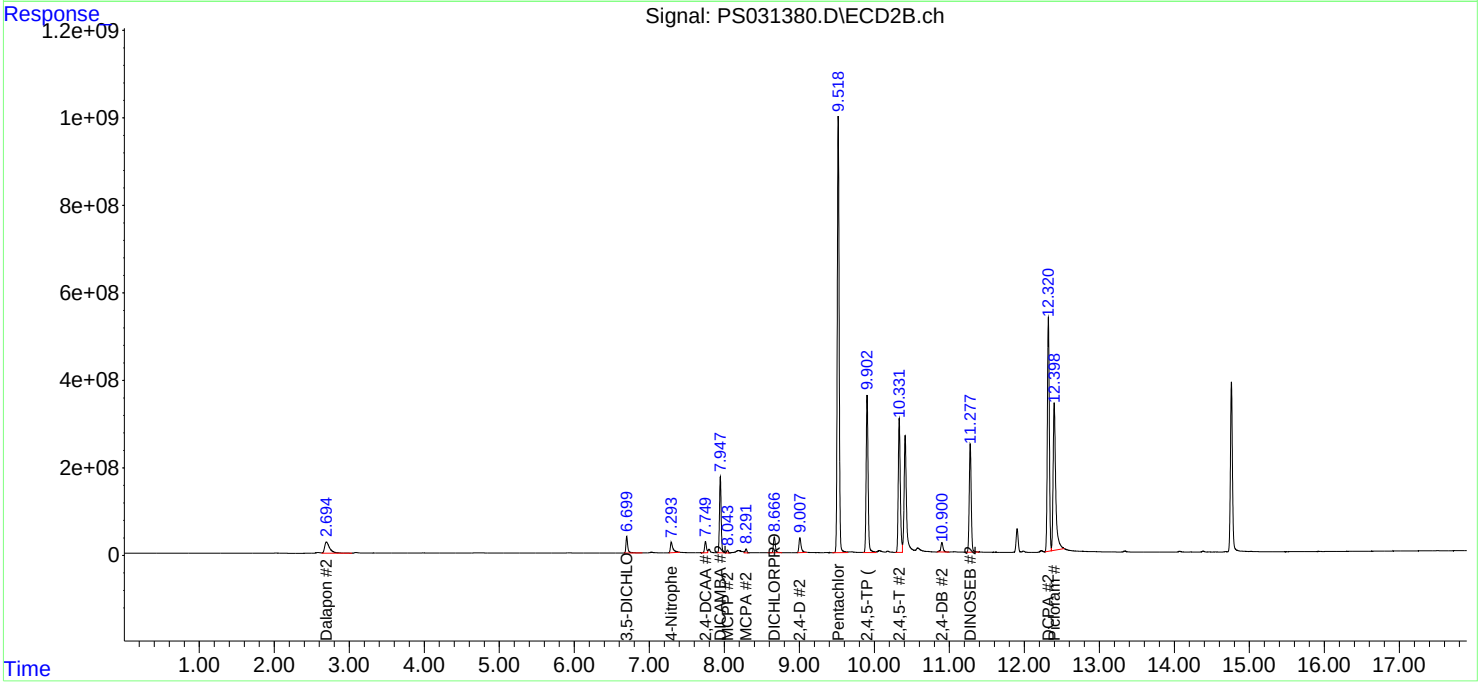
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031380.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 12:26
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

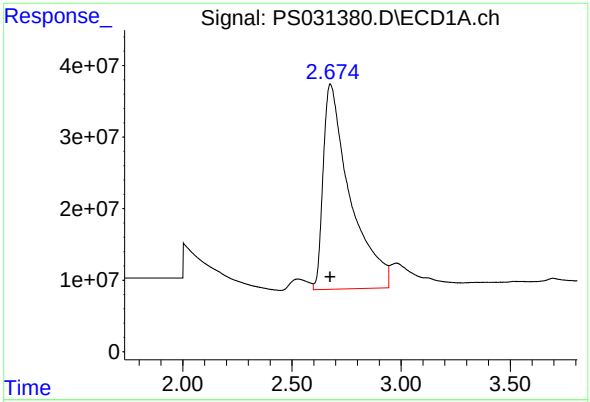
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:11:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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



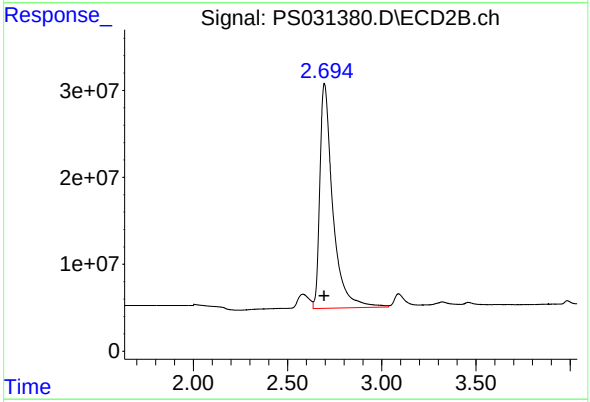




#1 Dalapon

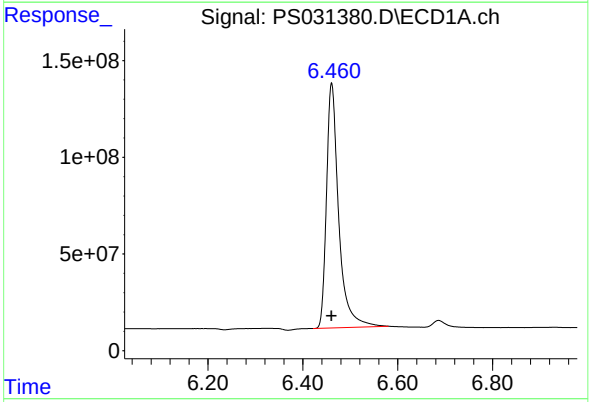
R.T.: 2.675 min
Delta R.T.: 0.000 min
Response: 2447345259
Conc: 477.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



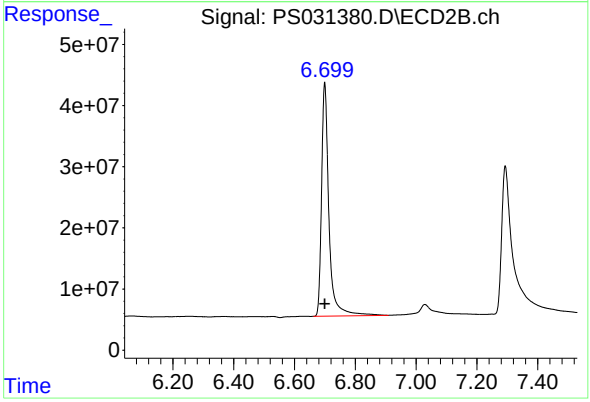
#1 Dalapon

R.T.: 2.696 min
Delta R.T.: 0.000 min
Response: 1238675782
Conc: 478.25 ng/ml



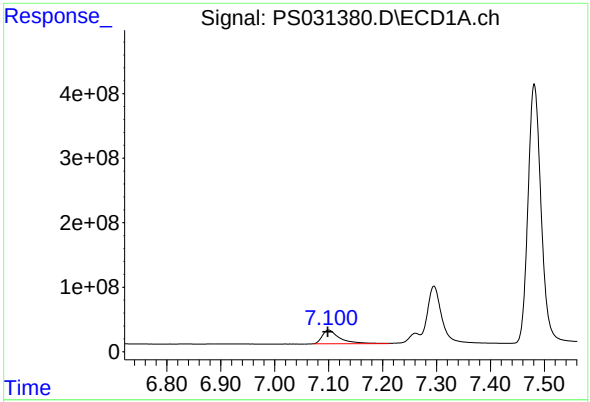
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.461 min
Delta R.T.: 0.000 min
Response: 2261734167
Conc: 488.52 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

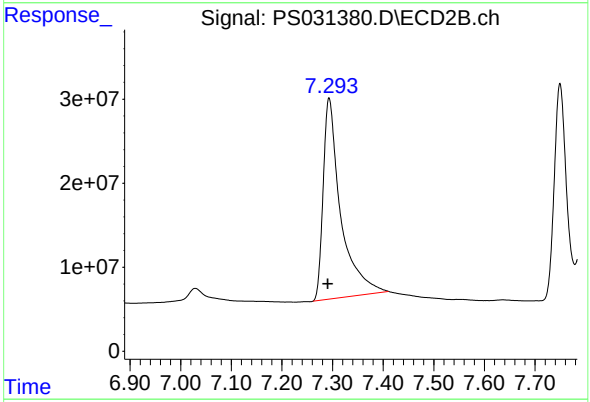
R.T.: 6.699 min
Delta R.T.: 0.000 min
Response: 644020751
Conc: 485.81 ng/ml



#3 4-Nitrophenol

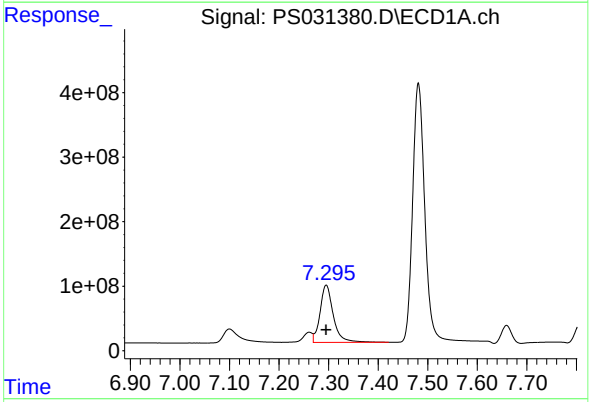
R.T.: 7.100 min
Delta R.T.: 0.002 min
Response: 476501019
Conc: 459.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



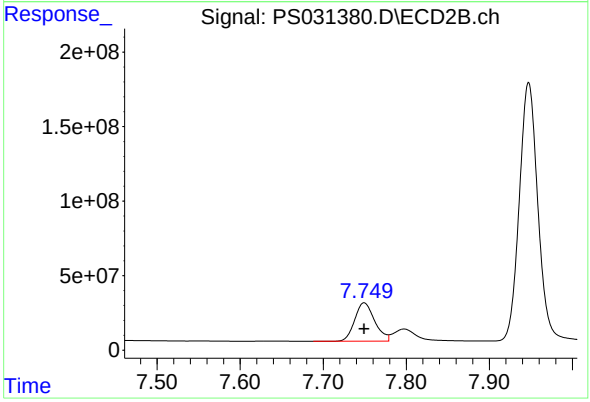
#3 4-Nitrophenol

R.T.: 7.293 min
Delta R.T.: 0.003 min
Response: 576899984
Conc: 454.38 ng/ml



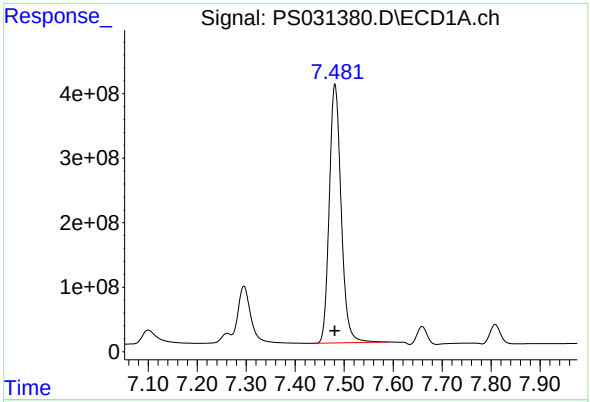
#4 2,4-DCAA

R.T.: 7.295 min
Delta R.T.: 0.000 min
Response: 1646559468
Conc: 530.62 ng/ml



#4 2,4-DCAA

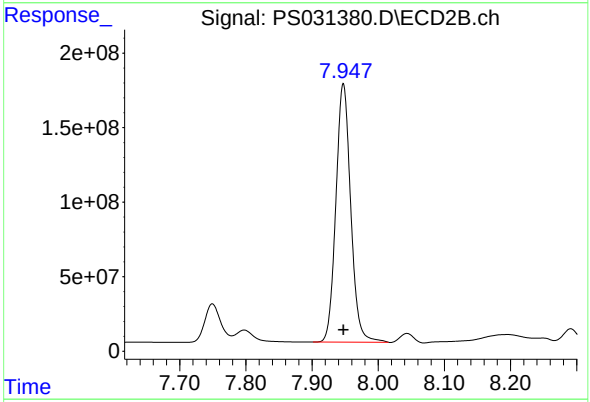
R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 431138961
Conc: 518.31 ng/ml



#5 DICAMBA

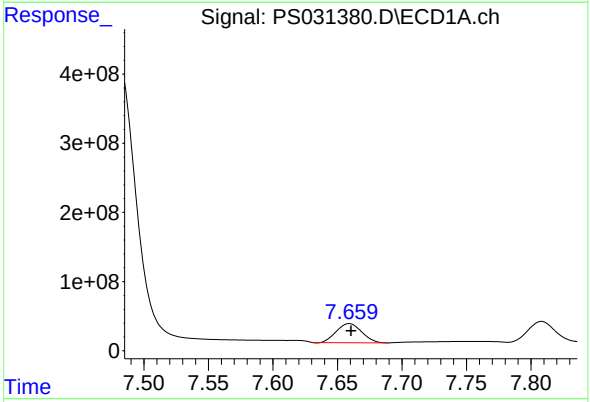
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 6753833391
Conc: 488.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



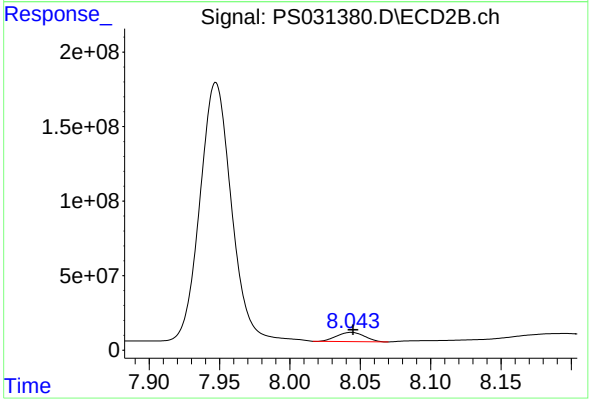
#5 DICAMBA

R.T.: 7.947 min
Delta R.T.: 0.000 min
Response: 2705972724
Conc: 478.81 ng/ml



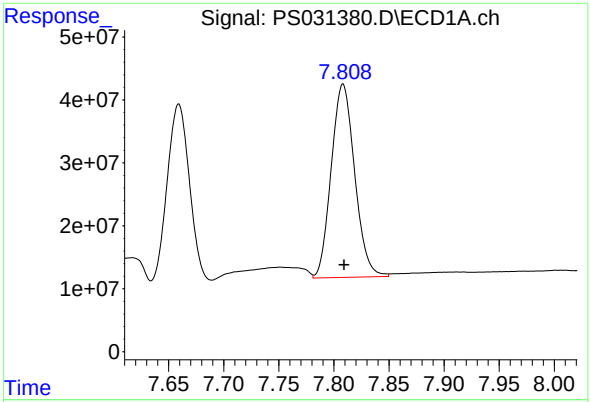
#6 MCPP

R.T.: 7.659 min
Delta R.T.: -0.001 min
Response: 378519750
Conc: 44.73 ug/ml



#6 MCPP

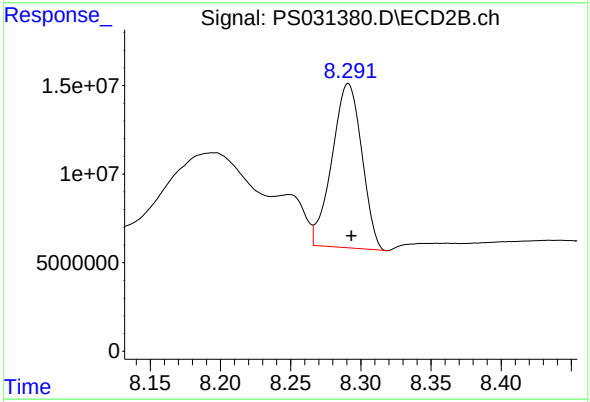
R.T.: 8.043 min
Delta R.T.: -0.001 min
Response: 85050954
Conc: 45.79 ug/ml



#7 MCPA

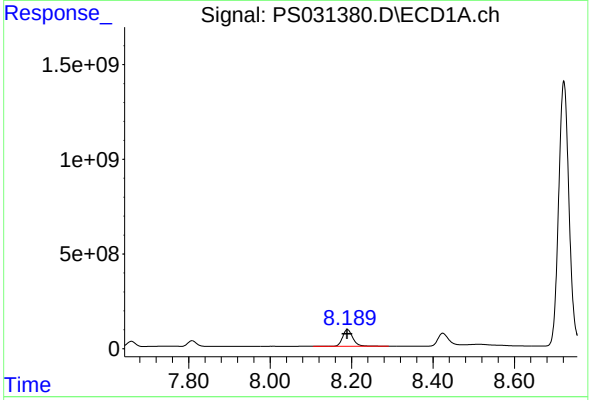
R.T.: 7.808 min
Delta R.T.: -0.001 min
Response: 455406204
Conc: 44.97 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



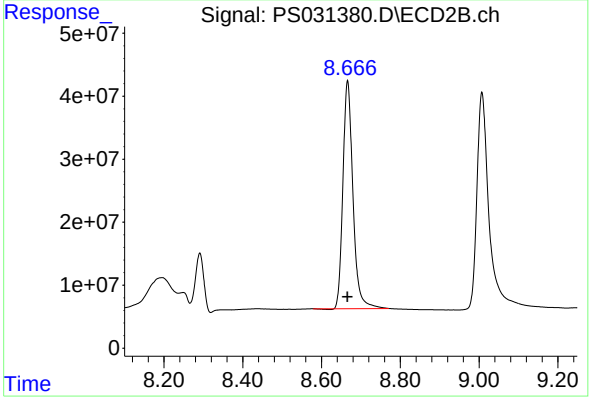
#7 MCPA

R.T.: 8.291 min
Delta R.T.: -0.002 min
Response: 136994596
Conc: 47.54 ug/ml



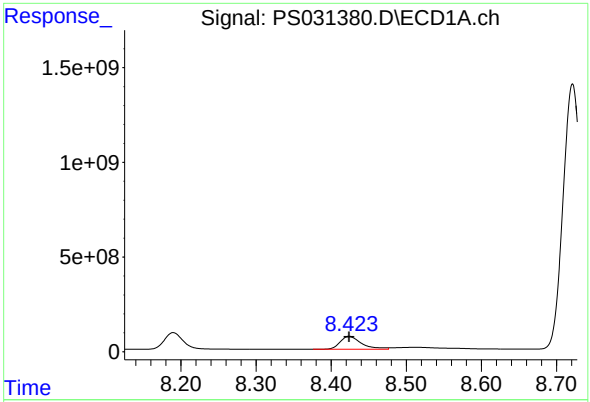
#8 DICHLORPROP

R.T.: 8.190 min
Delta R.T.: 0.000 min
Response: 1529188645
Conc: 497.65 ng/ml



#8 DICHLORPROP

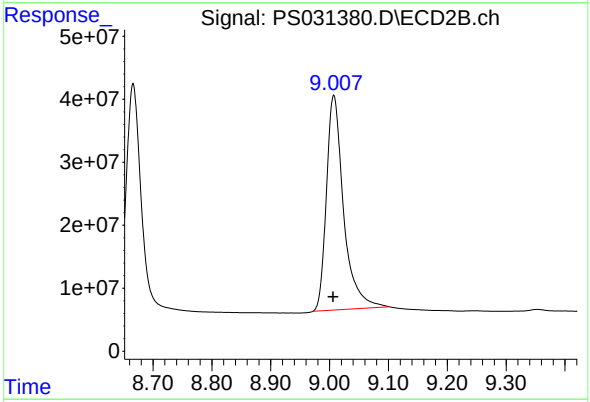
R.T.: 8.666 min
Delta R.T.: 0.000 min
Response: 641595892
Conc: 492.40 ng/ml



#9 2,4-D

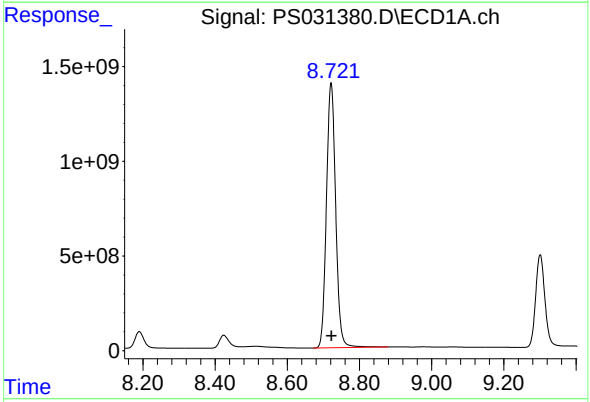
R.T.: 8.424 min
Delta R.T.: 0.000 min
Response: 1332665169
Conc: 483.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



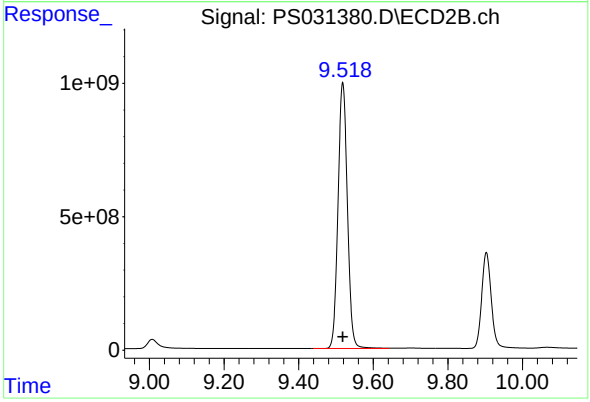
#9 2,4-D

R.T.: 9.007 min
Delta R.T.: 0.002 min
Response: 690921022
Conc: 487.40 ng/ml



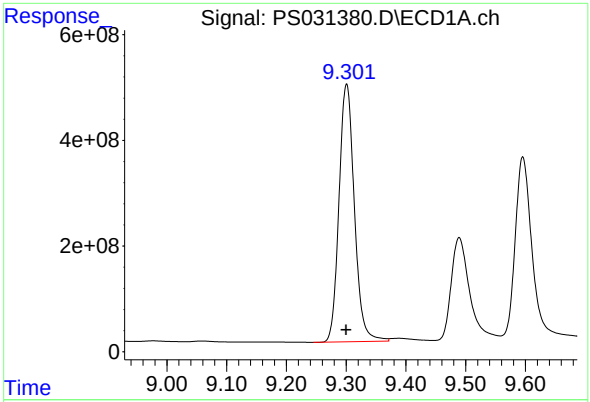
#10 Pentachlorophenol

R.T.: 8.721 min
Delta R.T.: 0.000 min
Response: 24872586721
Conc: 495.94 ng/ml



#10 Pentachlorophenol

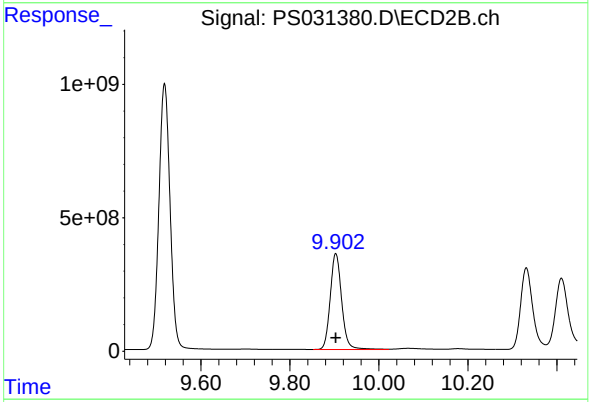
R.T.: 9.518 min
Delta R.T.: 0.000 min
Response: 17363912355
Conc: 489.03 ng/ml



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

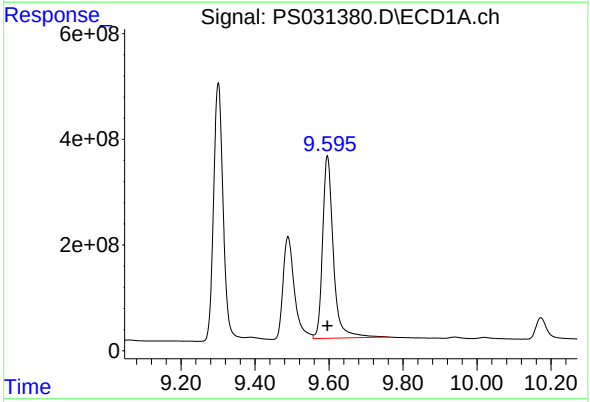
R.T.: 9.301 min
Delta R.T.: 0.000 min
Response: 8725719846
Conc: 487.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



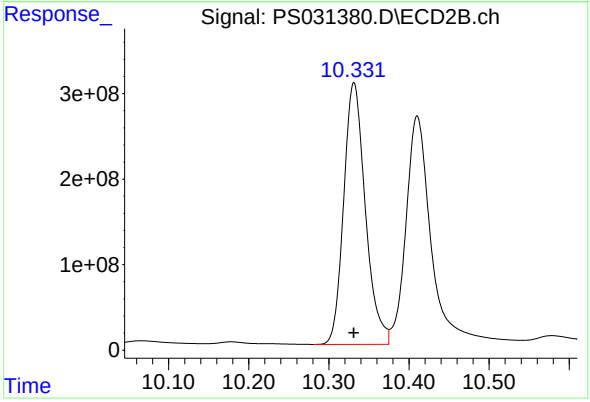
#11 2,4,5-TP (SILVEX)

R.T.: 9.903 min
Delta R.T.: 0.000 min
Response: 6423404535
Conc: 490.73 ng/ml



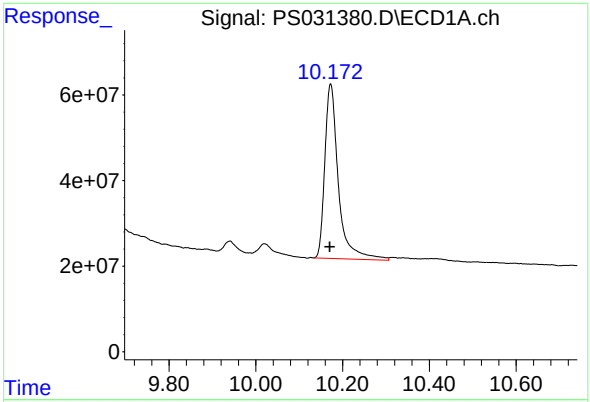
#12 2,4,5-T

R.T.: 9.596 min
Delta R.T.: 0.000 min
Response: 6947822733
Conc: 470.81 ng/ml



#12 2,4,5-T

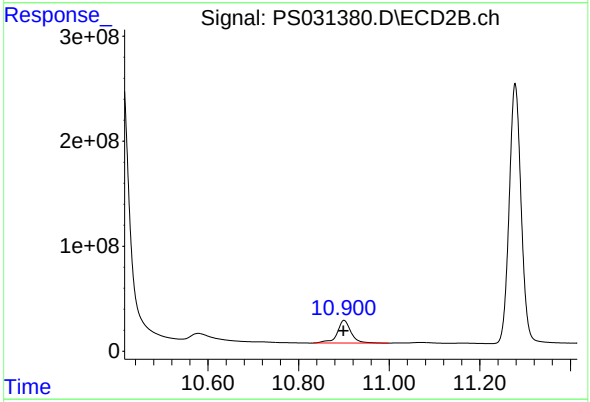
R.T.: 10.331 min
Delta R.T.: 0.000 min
Response: 5745174970
Conc: 483.72 ng/ml



#13 2,4-DB

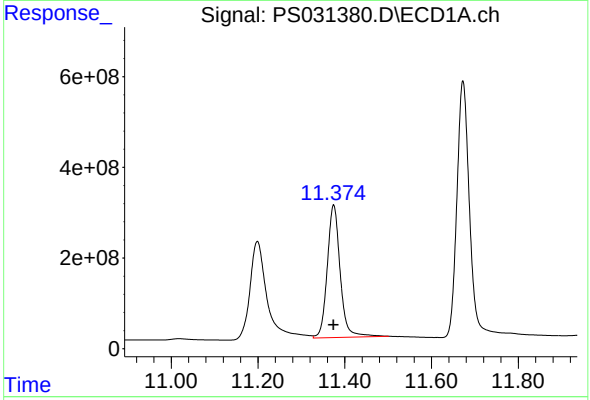
R.T.: 10.172 min
Delta R.T.: 0.002 min
Response: 884732199
Conc: 457.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



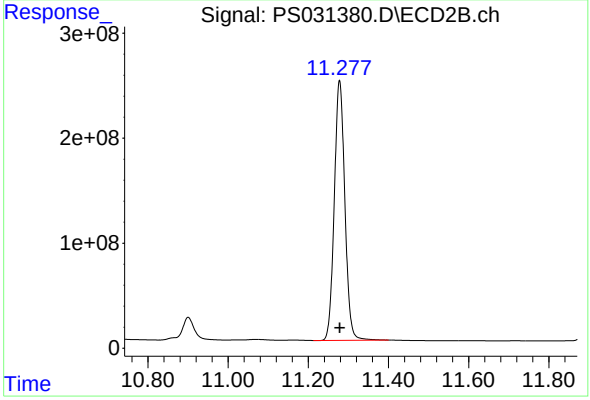
#13 2,4-DB

R.T.: 10.900 min
Delta R.T.: 0.001 min
Response: 460345252
Conc: 482.00 ng/ml



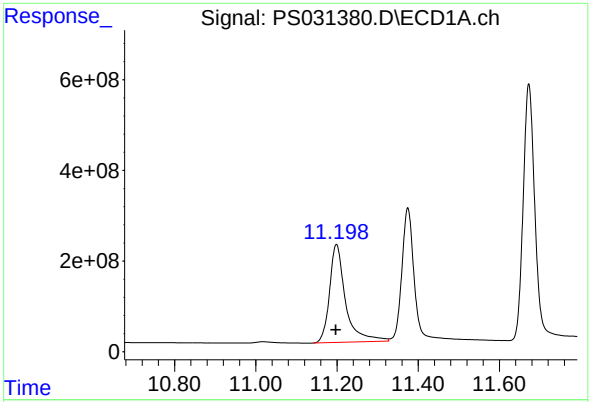
#14 DINOSEB

R.T.: 11.374 min
Delta R.T.: 0.000 min
Response: 6052695843
Conc: 474.21 ng/ml



#14 DINOSEB

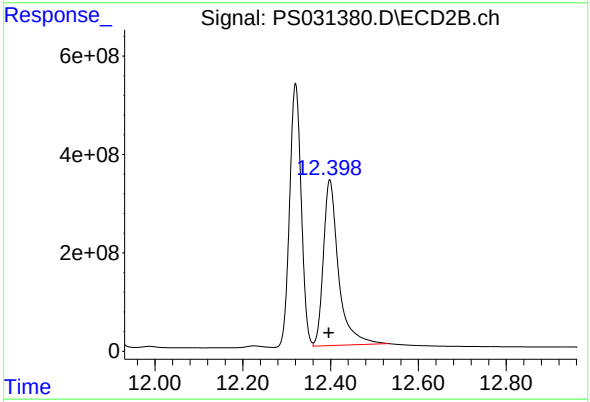
R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 4520689822
Conc: 475.31 ng/ml



#15 Picloram

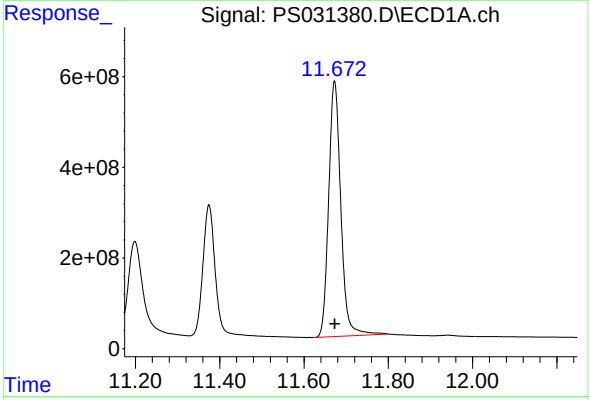
R.T.: 11.199 min
Delta R.T.: 0.001 min
Response: 5936995136
Conc: 450.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



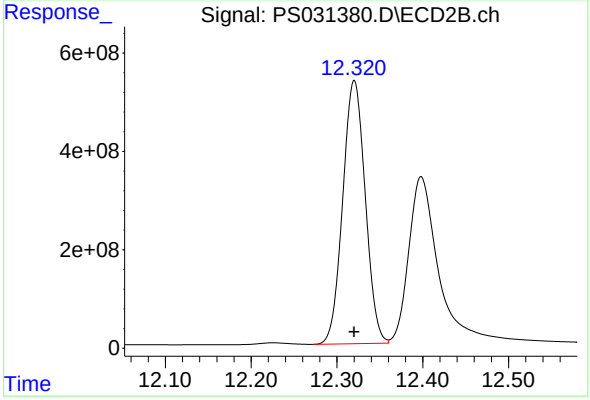
#15 Picloram

R.T.: 12.398 min
Delta R.T.: 0.003 min
Response: 8060904287
Conc: 446.91 ng/ml



#16 DCPA

R.T.: 11.672 min
Delta R.T.: 0.000 min
Response: 11298668382
Conc: 493.26 ng/ml



#16 DCPA

R.T.: 12.320 min
Delta R.T.: 0.000 min
Response: 9750128690
Conc: 491.49 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031381.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 12:50
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: Aug 08 03:12:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.295	7.749	2327.3E6	623.9E6	750.000	750.000
	Target Compounds						
1) T	Dalapon	2.674	2.695	3496.4E6	1767.7E6	682.500	682.500
2) T	3,5-DICHL...	6.461	6.699	3229.3E6	924.7E6	697.500	697.500
3) T	4-Nitroph...	7.098	7.291	707.4E6	866.5E6	682.500	682.500
5) T	DICAMBA	7.481	7.947	9737.4E6	3984.3E6	705.000	705.000
6) T	MCPP	7.661	8.045	596.7E6	130.9E6	70.500	70.500
7) T	MCPA	7.809	8.293	706.4E6	201.0E6	69.750	69.750
8) T	DICHLORPROP	8.189	8.666	2166.3E6	918.6E6	705.000	705.000
9) T	2,4-D	8.424	9.006	1941.6E6	999.4E6	705.000	705.000
10) T	Pentachlo...	8.722	9.518	35733.3E6	25298.7E6	712.500	712.500
11) T	2,4,5-TP ...	9.300	9.903	12759.3E6	9326.3E6	712.500	712.500
12) T	2,4,5-T	9.595	10.331	10514.5E6	8462.3E6	712.500	712.500
13) T	2,4-DB	10.170	10.899	1378.8E6	680.5E6	712.500	712.500
14) T	DINOSEB	11.373	11.278	8998.4E6	6705.2E6	705.000	705.000
15) T	Picloram	11.197	12.395	9387.2E6	12851.3E6	712.500	712.500
16) T	DCPA	11.673	12.320	16492.3E6	14283.3E6	720.000	720.000

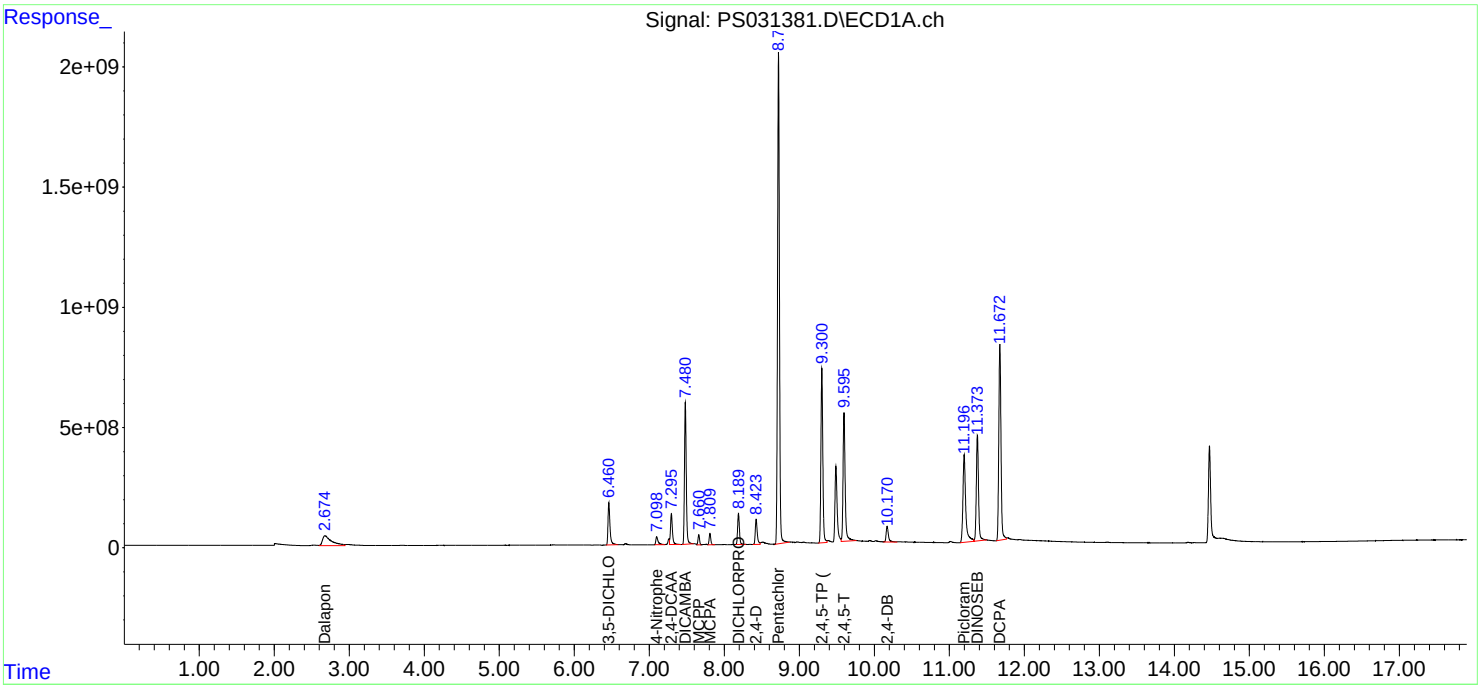
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

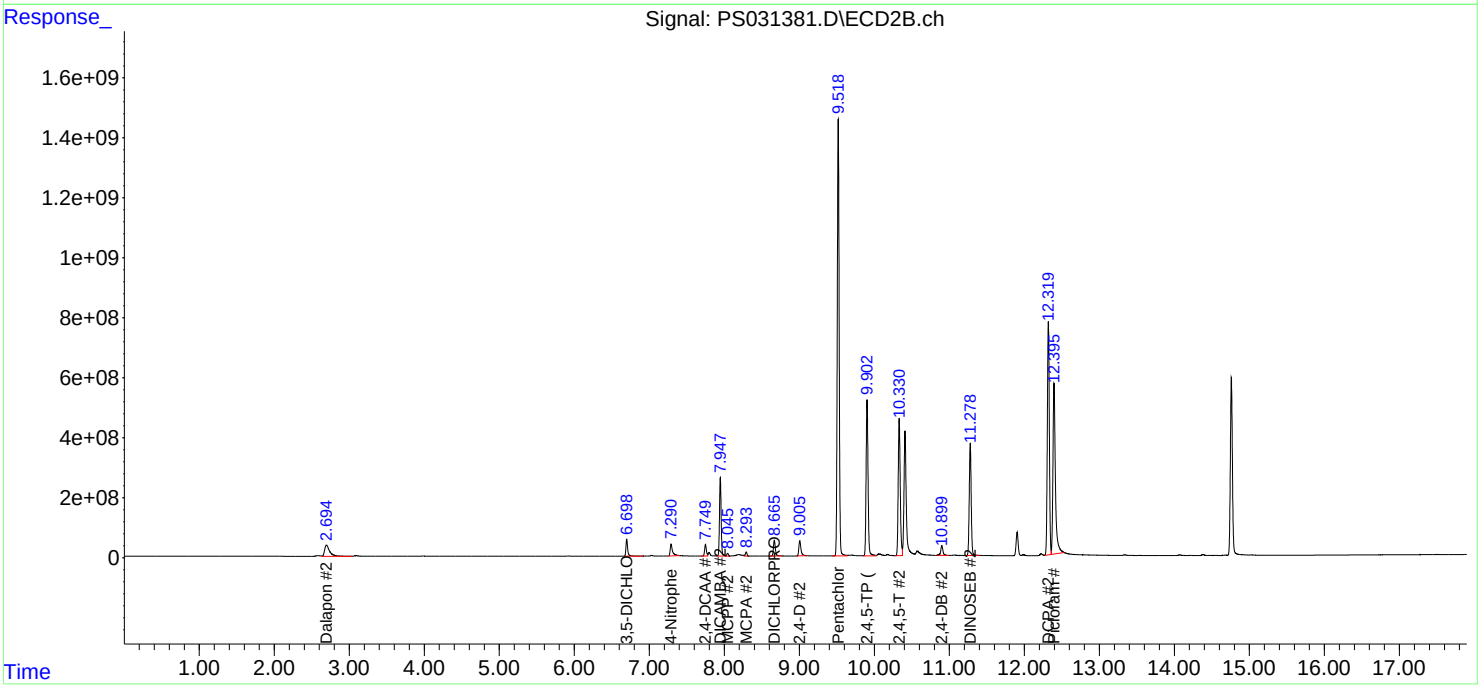
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031381.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 12:50
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

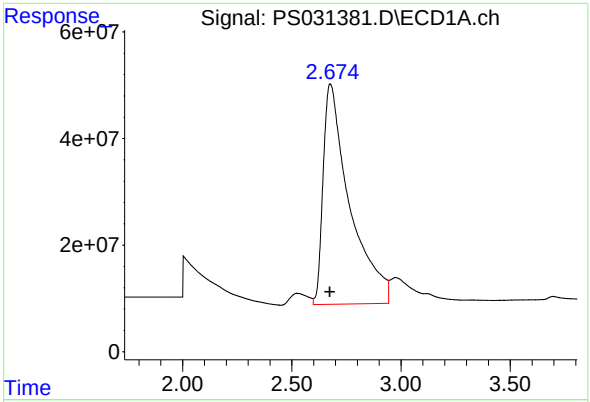
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:12:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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



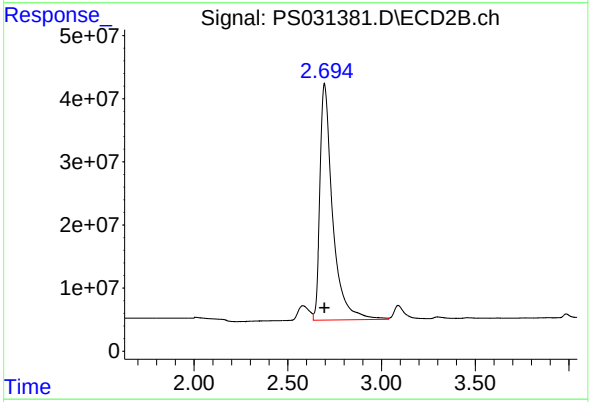




#1 Dalapon

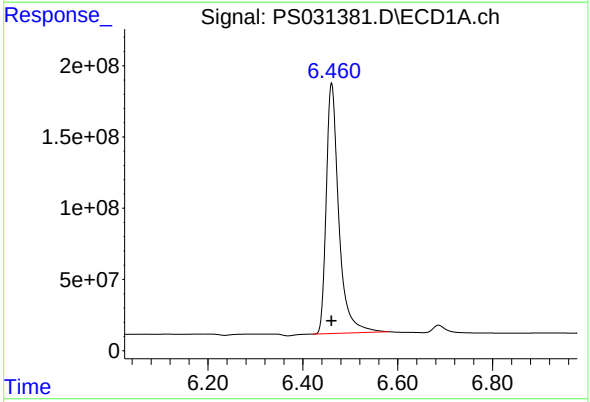
R.T.: 2.674 min
Delta R.T.: 0.000 min
Response: 3496397097
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



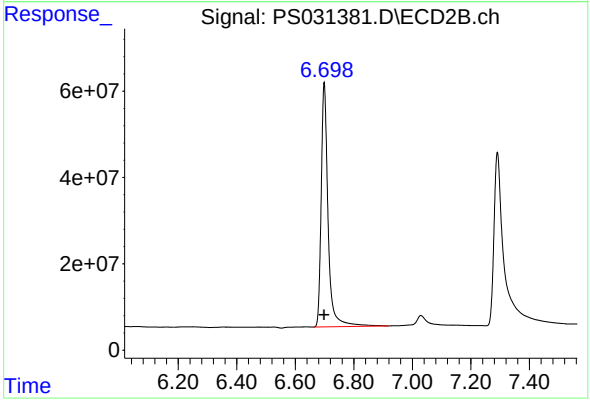
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: 0.000 min
Response: 1767669036
Conc: 682.50 ng/ml



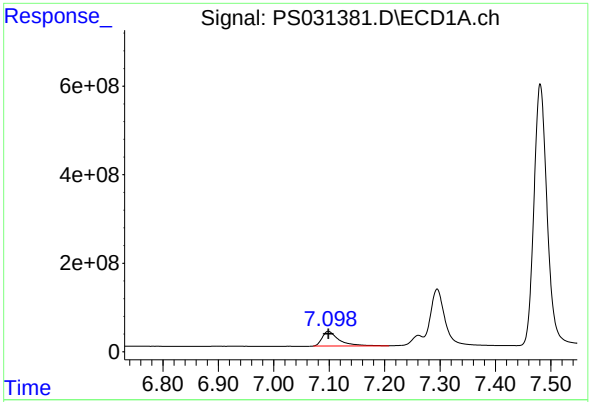
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.461 min
Delta R.T.: 0.000 min
Response: 3229295136
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

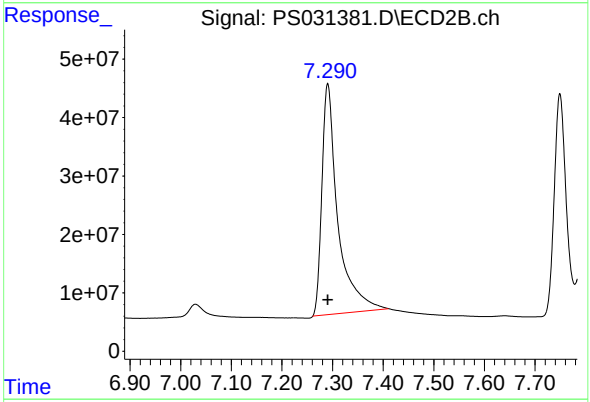
R.T.: 6.699 min
Delta R.T.: 0.000 min
Response: 924652602
Conc: 697.50 ng/ml



#3 4-Nitrophenol

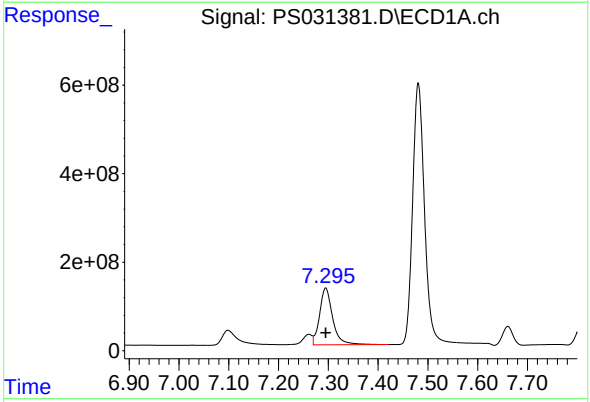
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 707449107
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



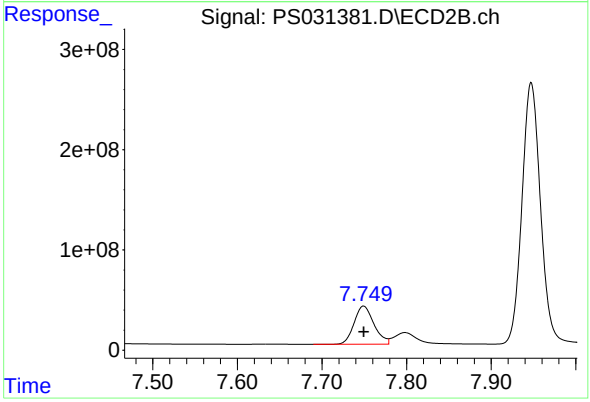
#3 4-Nitrophenol

R.T.: 7.291 min
Delta R.T.: 0.000 min
Response: 866537455
Conc: 682.50 ng/ml



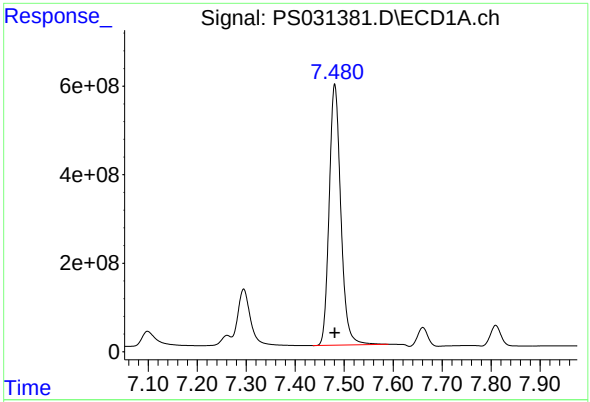
#4 2,4-DCAA

R.T.: 7.295 min
Delta R.T.: 0.000 min
Response: 2327329455
Conc: 750.00 ng/ml



#4 2,4-DCAA

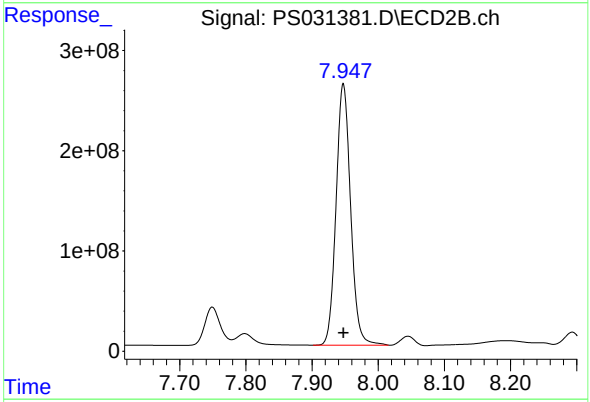
R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 623868166
Conc: 750.00 ng/ml



#5 DICAMBA

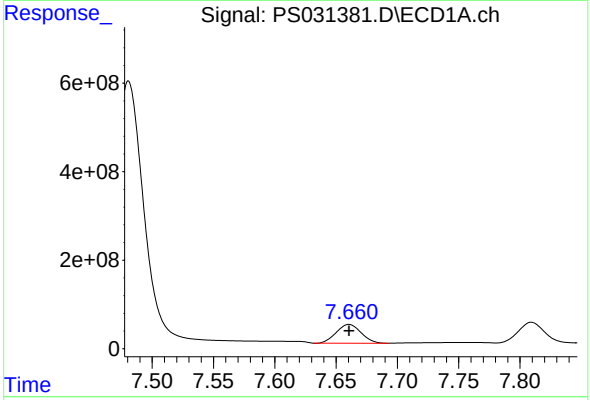
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 9737432122
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



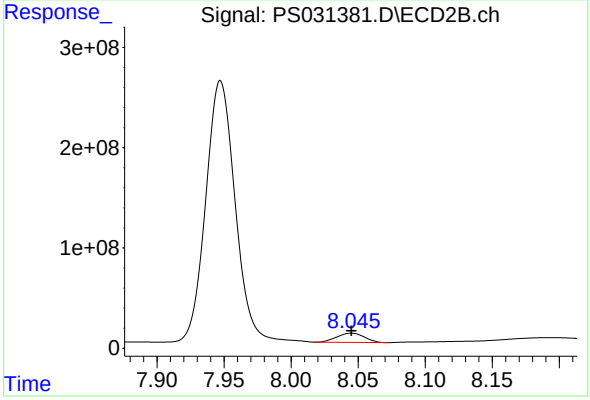
#5 DICAMBA

R.T.: 7.947 min
Delta R.T.: 0.000 min
Response: 3984265582
Conc: 705.00 ng/ml



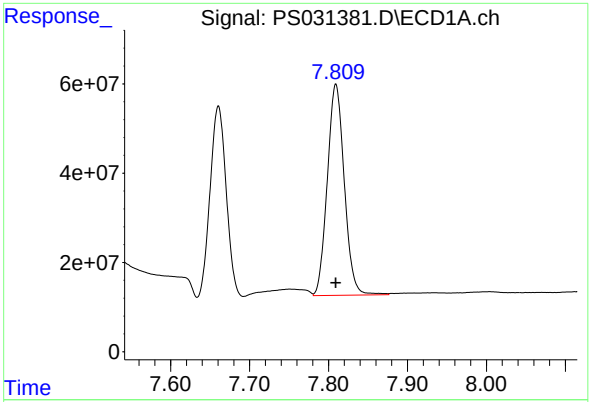
#6 MCPP

R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 596652926
Conc: 70.50 ug/ml



#6 MCPP

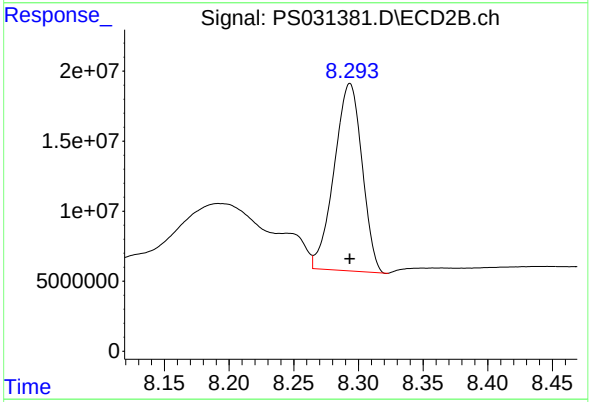
R.T.: 8.045 min
Delta R.T.: 0.000 min
Response: 130943721
Conc: 70.50 ug/ml



#7 MCPA

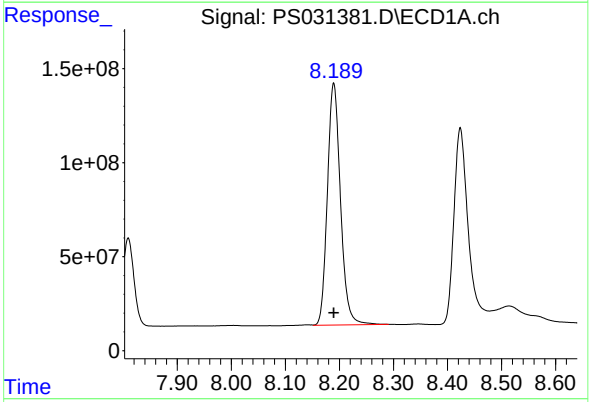
R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 706409203
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



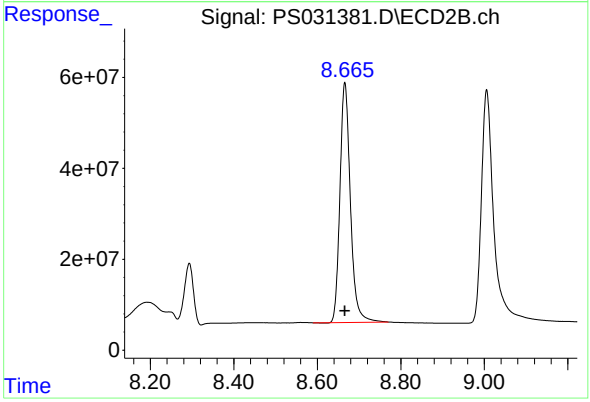
#7 MCPA

R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 200982114
Conc: 69.75 ug/ml



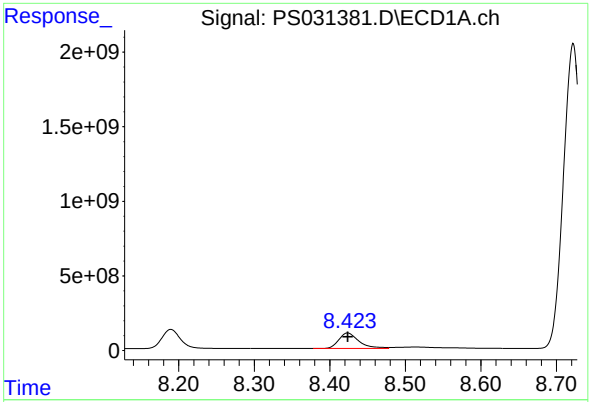
#8 DICHLORPROP

R.T.: 8.189 min
Delta R.T.: 0.000 min
Response: 2166324431
Conc: 705.00 ng/ml



#8 DICHLORPROP

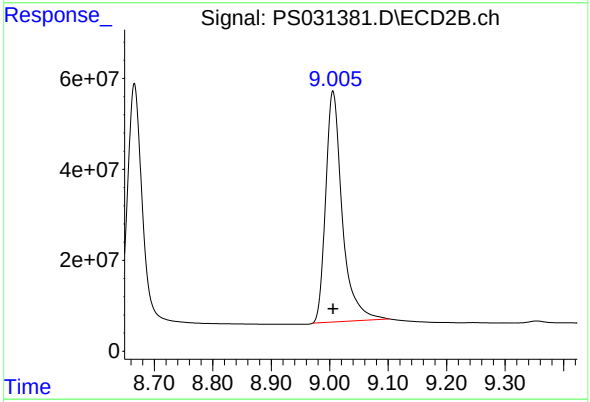
R.T.: 8.666 min
Delta R.T.: 0.000 min
Response: 918610984
Conc: 705.00 ng/ml



#9 2,4-D

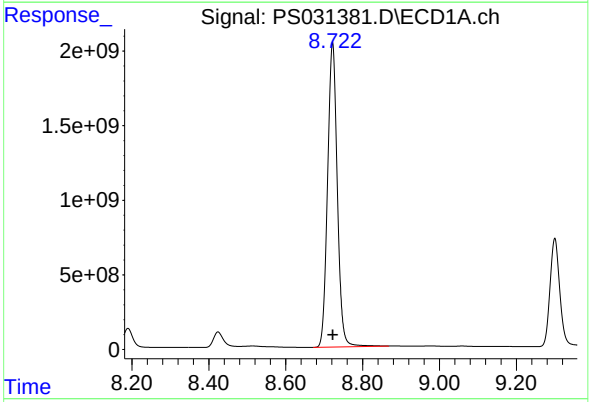
R.T.: 8.424 min
Delta R.T.: 0.000 min
Response: 1941641581
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



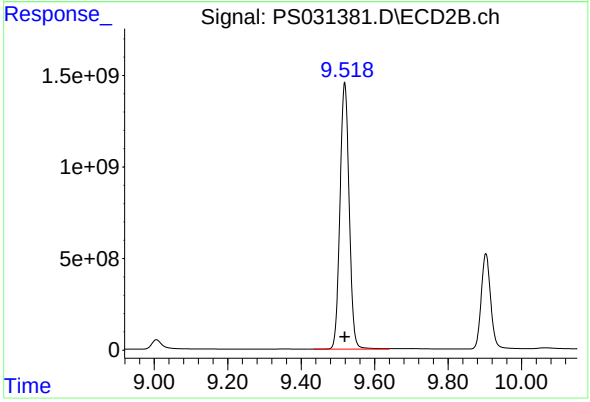
#9 2,4-D

R.T.: 9.006 min
Delta R.T.: 0.000 min
Response: 999373243
Conc: 705.00 ng/ml



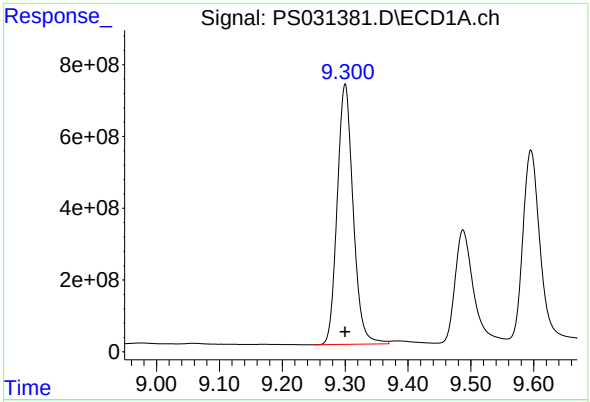
#10 Pentachlorophenol

R.T.: 8.722 min
Delta R.T.: 0.000 min
Response: 35733306982
Conc: 712.50 ng/ml



#10 Pentachlorophenol

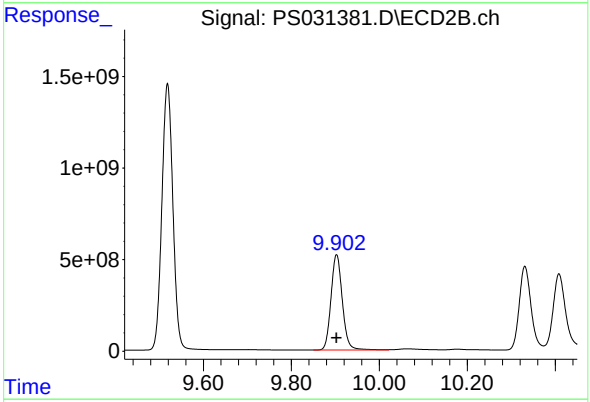
R.T.: 9.518 min
Delta R.T.: 0.000 min
Response: 25298653003
Conc: 712.50 ng/ml



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

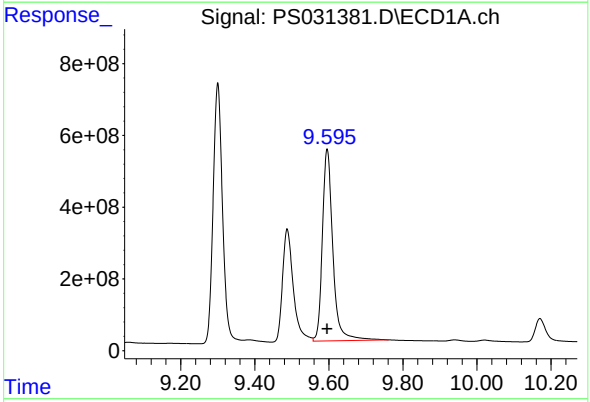
R.T.: 9.300 min
Delta R.T.: 0.000 min
Response: 12759335104
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



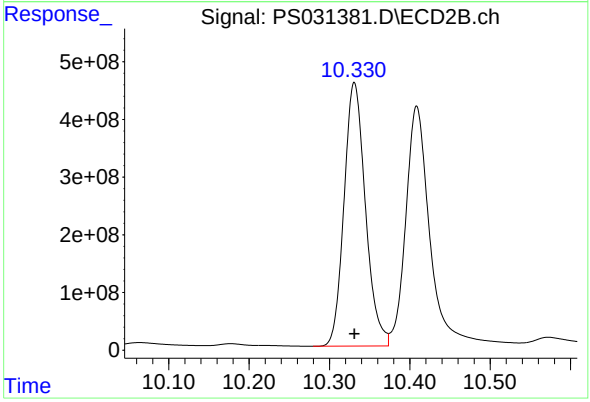
#11 2,4,5-TP (SILVEX)

R.T.: 9.903 min
Delta R.T.: 0.000 min
Response: 9326285897
Conc: 712.50 ng/ml



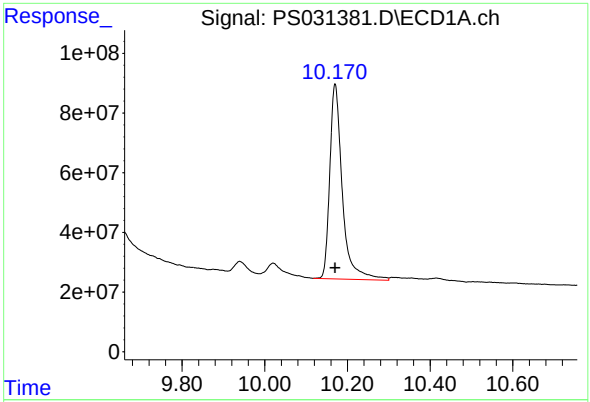
#12 2,4,5-T

R.T.: 9.595 min
Delta R.T.: 0.000 min
Response: 10514536278
Conc: 712.50 ng/ml



#12 2,4,5-T

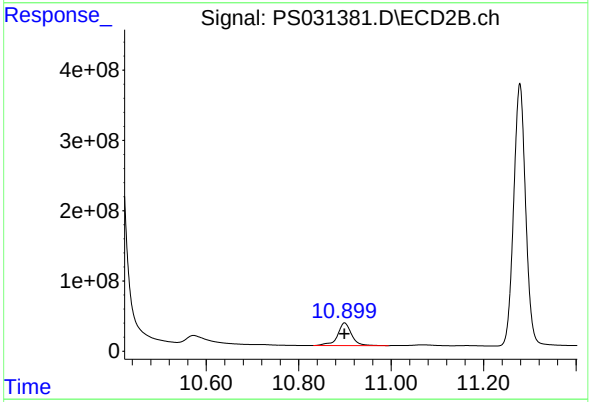
R.T.: 10.331 min
Delta R.T.: 0.000 min
Response: 8462325385
Conc: 712.50 ng/ml



#13 2,4-DB

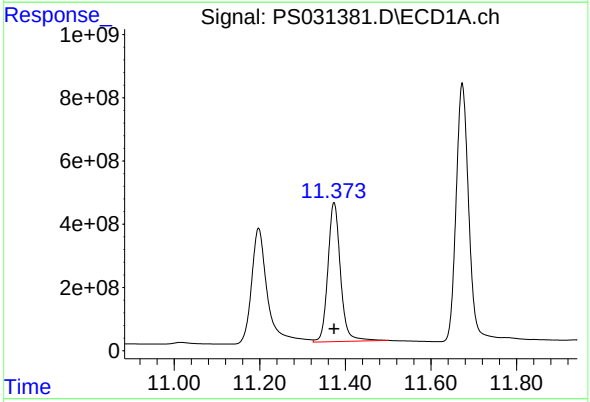
R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 1378830778
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



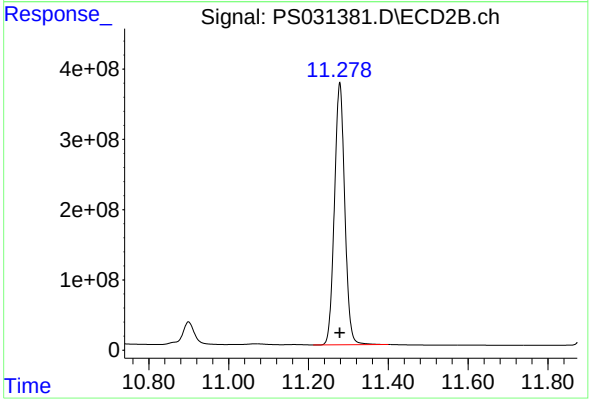
#13 2,4-DB

R.T.: 10.899 min
Delta R.T.: 0.000 min
Response: 680494814
Conc: 712.50 ng/ml



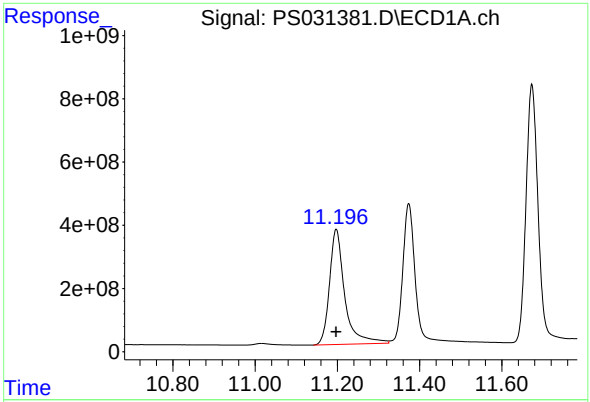
#14 DINOSEB

R.T.: 11.373 min
Delta R.T.: 0.000 min
Response: 8998421432
Conc: 705.00 ng/ml



#14 DINOSEB

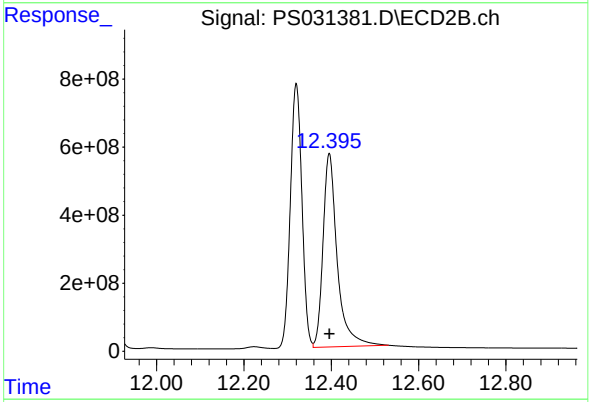
R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 6705228498
Conc: 705.00 ng/ml



#15 Picloram

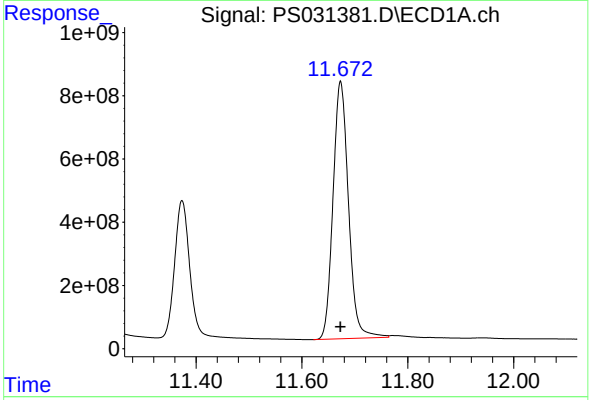
R.T.: 11.197 min
Delta R.T.: 0.000 min
Response: 9387223608
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



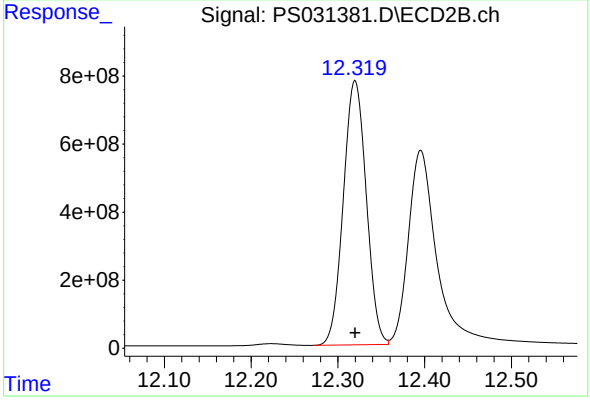
#15 Picloram

R.T.: 12.395 min
Delta R.T.: 0.000 min
Response: 12851322424
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.673 min
Delta R.T.: 0.000 min
Response: 16492294880
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.320 min
Delta R.T.: 0.000 min
Response: 14283338780
Conc: 720.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 13:14
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: Aug 08 03:12:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.294	7.748	3009.5E6	818.7E6	969.824	984.167
	Target Compounds						
1) T	Dalapon	2.679	2.696	4569.2E6	2308.8E6	891.909	891.440
2) T	3,5-DICHL...	6.460	6.698	4169.1E6	1208.0E6	900.495	911.214
3) T	4-Nitroph...	7.097	7.288	930.4E6	1144.9E6	897.570	901.723
5) T	DICAMBA	7.481	7.947	12691.2E6	5297.9E6	918.854	937.448
6) T	MCPP	7.661	8.046	818.4E6	177.0E6	96.698	95.299
7) T	MCPA	7.811	8.295	961.9E6	270.0E6	94.977	93.689
8) T	DICHLORPROP	8.189	8.665	2817.3E6	1196.7E6	916.865	918.405
9) T	2,4-D	8.423	9.004	2556.0E6	1302.3E6	928.062	918.729
10) T	Pentachlo...	8.725	9.518	43590.7E6	33125.7E6	869.172	932.937
11) T	2,4,5-TP ...	9.300	9.902	16690.8E6	12194.6E6	932.040	931.632
12) T	2,4,5-T	9.594	10.330	14154.4E6	11213.3E6	959.146	944.127
13) T	2,4-DB	10.170	10.898	1880.0E6	900.2E6	971.467	942.536
14) T	DINOSEB	11.373	11.278	11881.3E6	8860.8E6	930.865	931.640
15) T	Picloram	11.195	12.393	13105.2E6	17956.4E6	994.700	995.535
16) T	DCPA	11.672	12.319	21625.4E6	18742.0E6	944.095	944.752

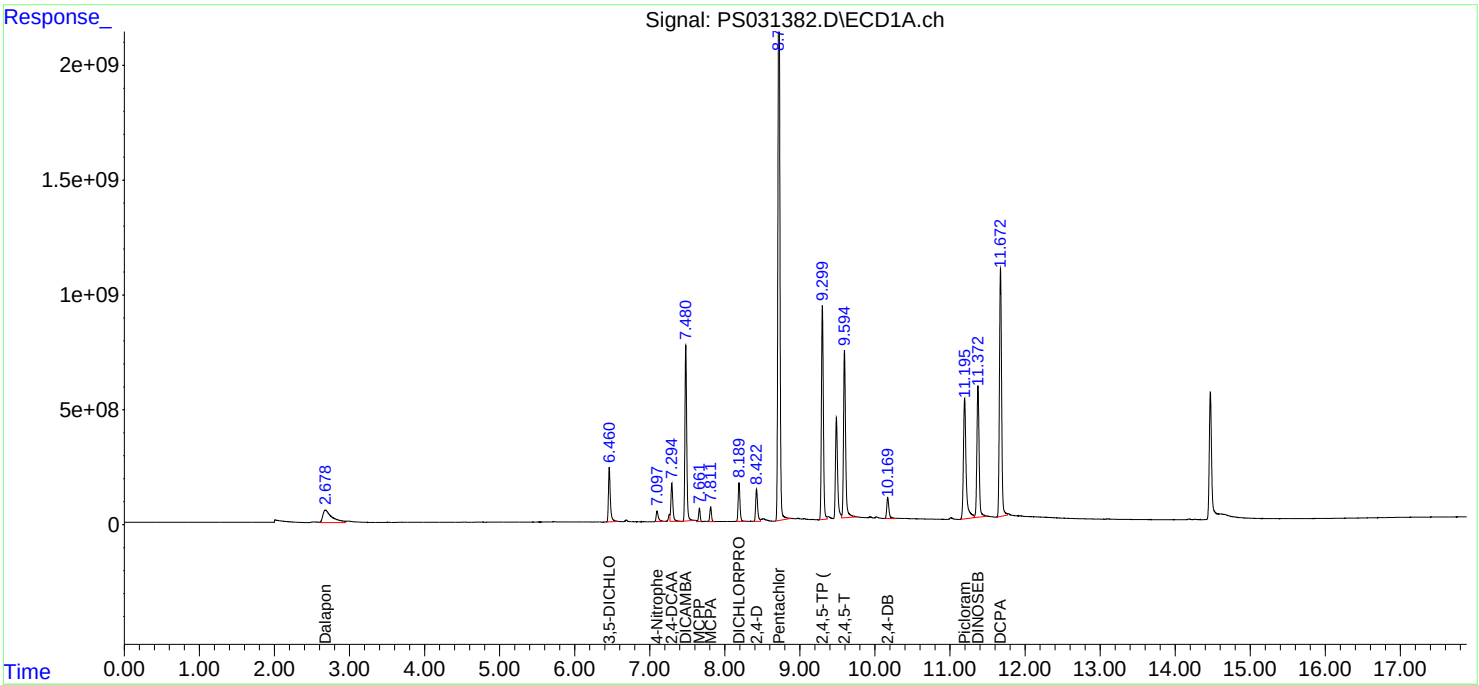
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

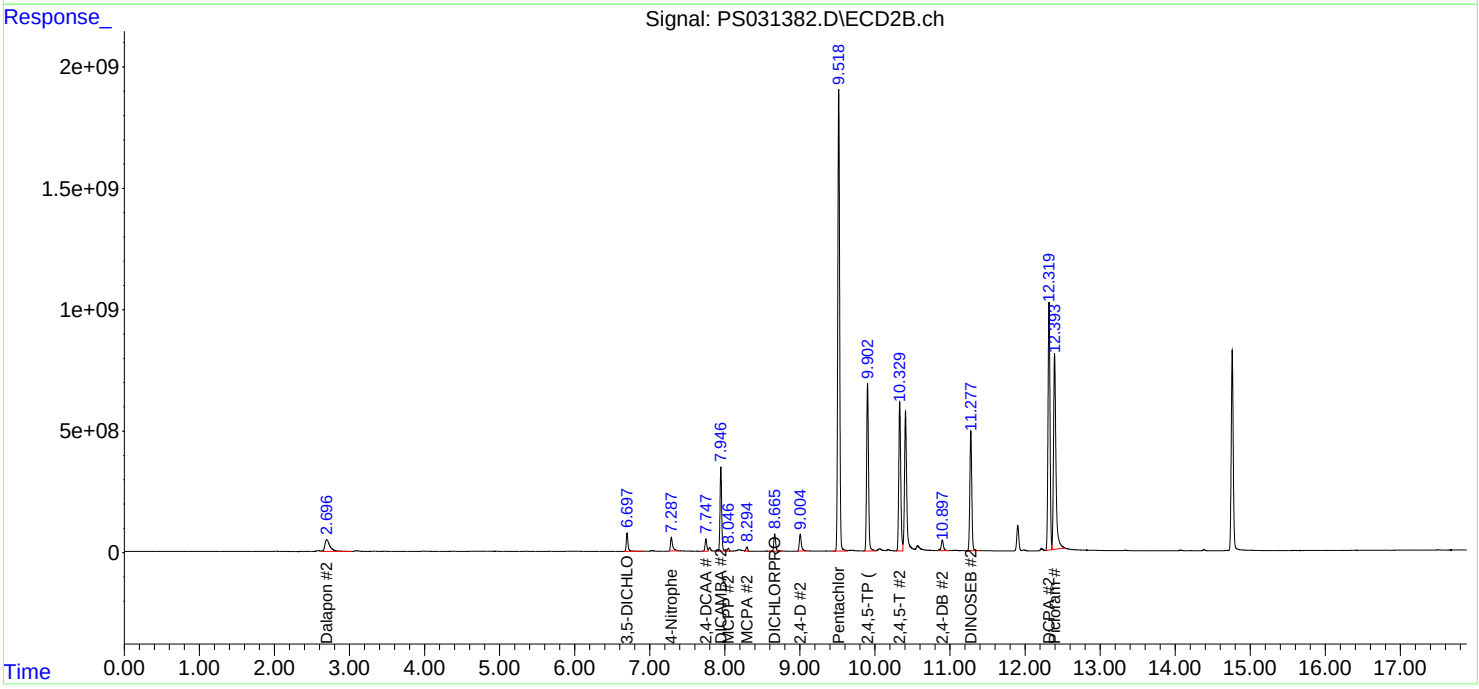
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031382.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 13:14
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

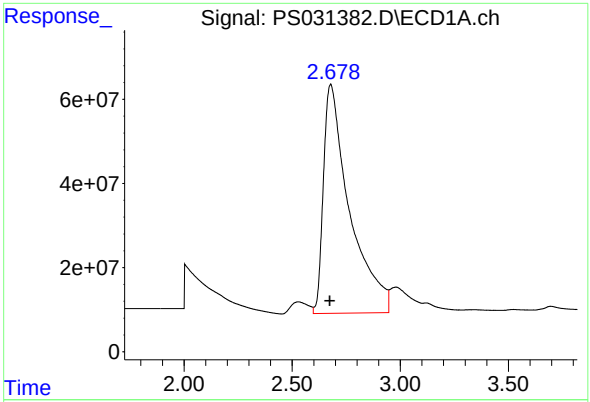
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:12:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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



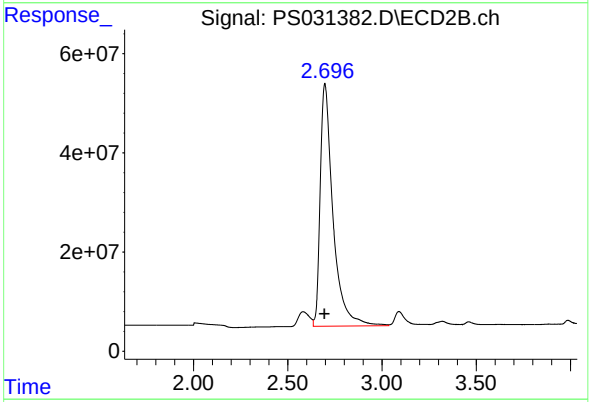




#1 Dalapon

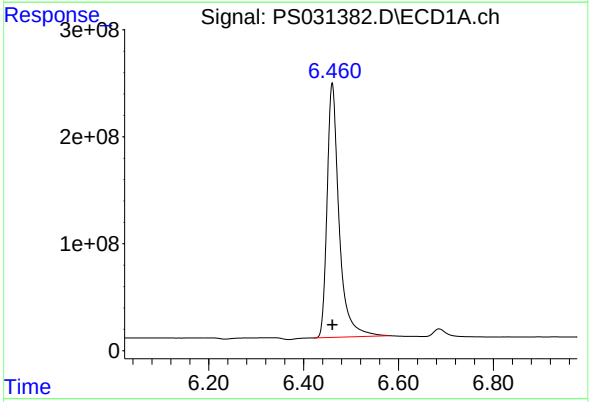
R.T.: 2.679 min
Delta R.T.: 0.005 min
Response: 4569184625
Conc: 891.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



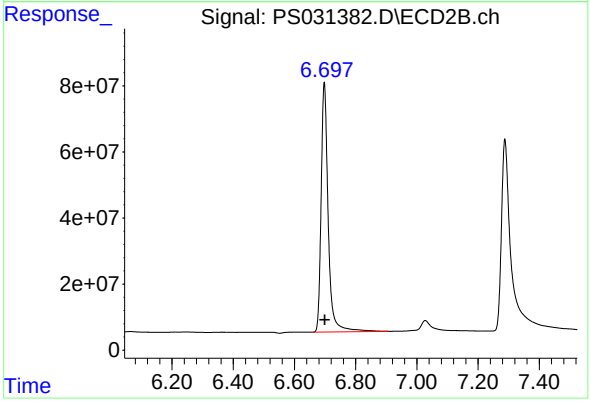
#1 Dalapon

R.T.: 2.696 min
Delta R.T.: 0.002 min
Response: 2308822772
Conc: 891.44 ng/ml



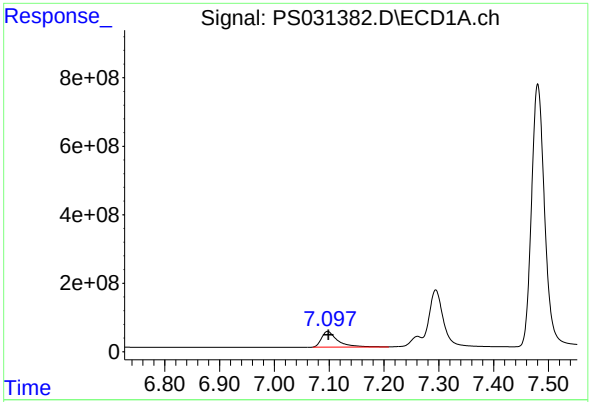
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.460 min
Delta R.T.: 0.000 min
Response: 4169121951
Conc: 900.49 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

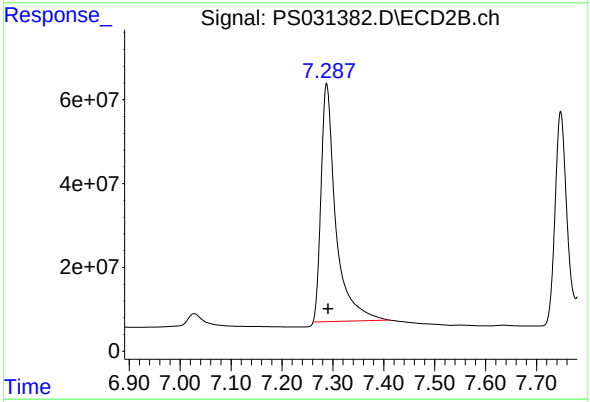
R.T.: 6.698 min
Delta R.T.: -0.001 min
Response: 1207966260
Conc: 911.21 ng/ml



#3 4-Nitrophenol

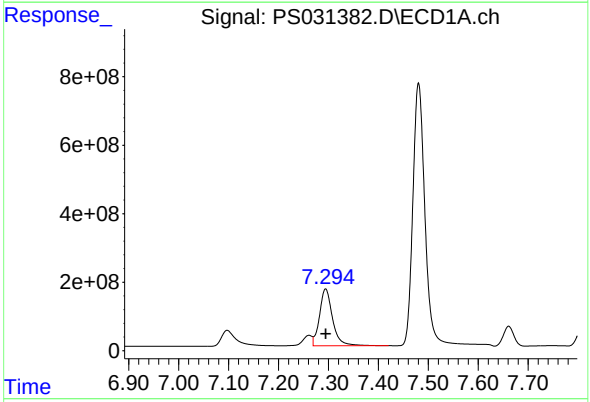
R.T.: 7.097 min
Delta R.T.: -0.001 min
Response: 930381385
Conc: 897.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



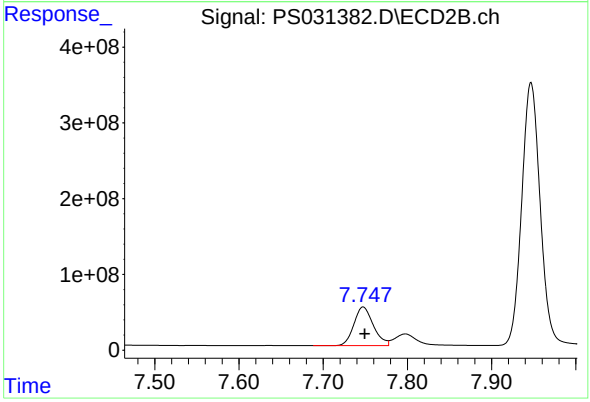
#3 4-Nitrophenol

R.T.: 7.288 min
Delta R.T.: -0.003 min
Response: 1144874698
Conc: 901.72 ng/ml



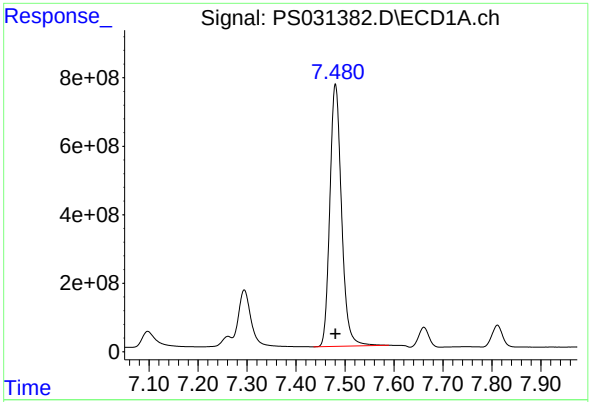
#4 2,4-DCAA

R.T.: 7.294 min
Delta R.T.: 0.000 min
Response: 3009465557
Conc: 969.82 ng/ml



#4 2,4-DCAA

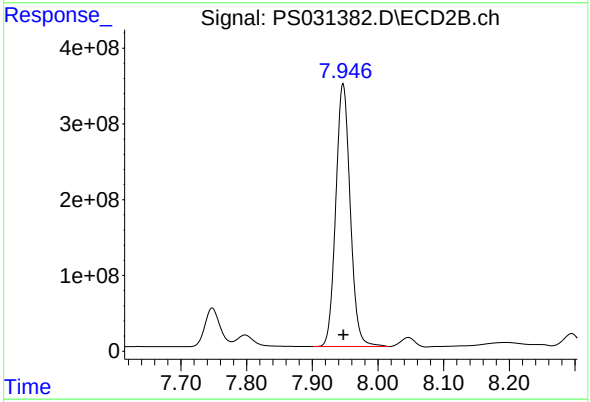
R.T.: 7.748 min
Delta R.T.: -0.002 min
Response: 818653924
Conc: 984.17 ng/ml



#5 DICAMBA

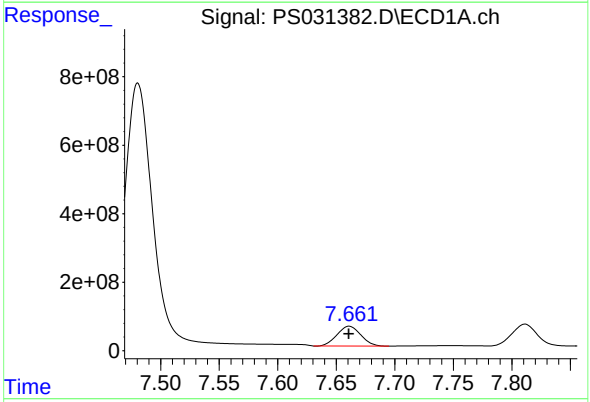
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 12691174953
Conc: 918.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



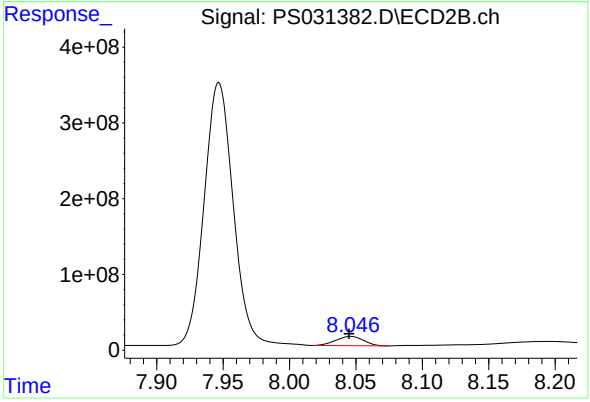
#5 DICAMBA

R.T.: 7.947 min
Delta R.T.: 0.000 min
Response: 5297930545
Conc: 937.45 ng/ml



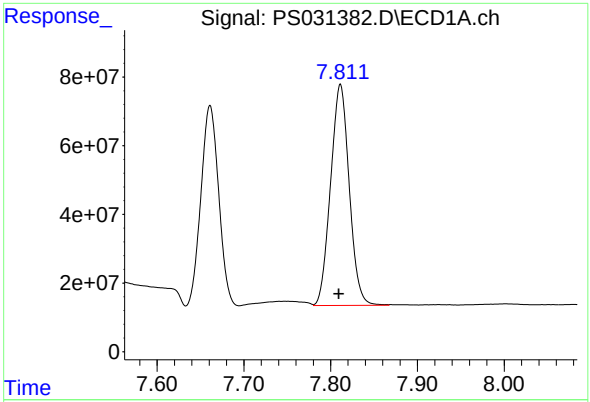
#6 MCPP

R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 818367825
Conc: 96.70 ug/ml



#6 MCPP

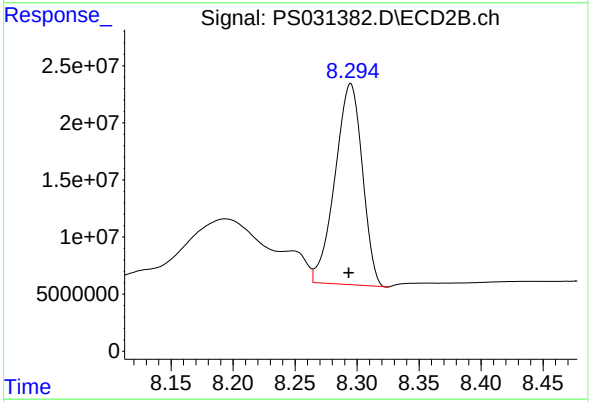
R.T.: 8.046 min
Delta R.T.: 0.001 min
Response: 177004810
Conc: 95.30 ug/ml



#7 MCPA

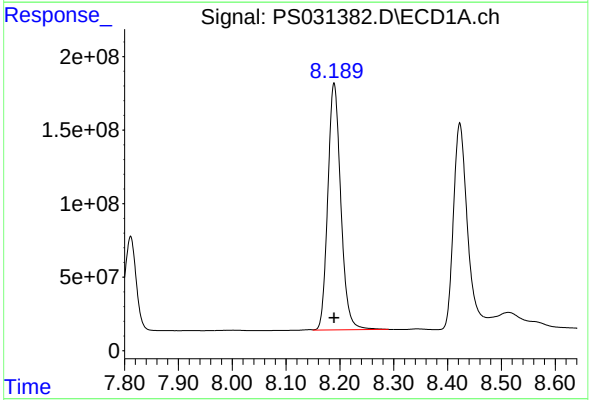
R.T.: 7.811 min
Delta R.T.: 0.002 min
Response: 961905143
Conc: 94.98 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



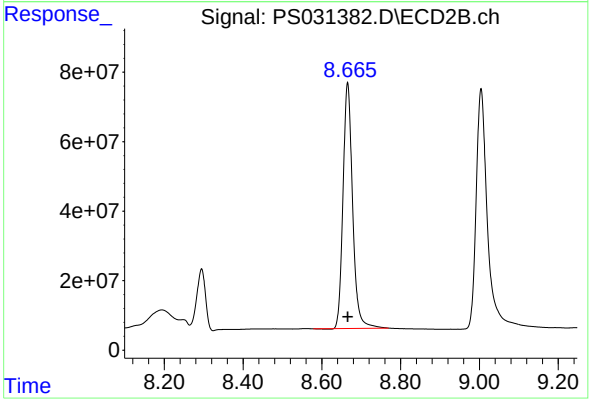
#7 MCPA

R.T.: 8.295 min
Delta R.T.: 0.001 min
Response: 269962201
Conc: 93.69 ug/ml



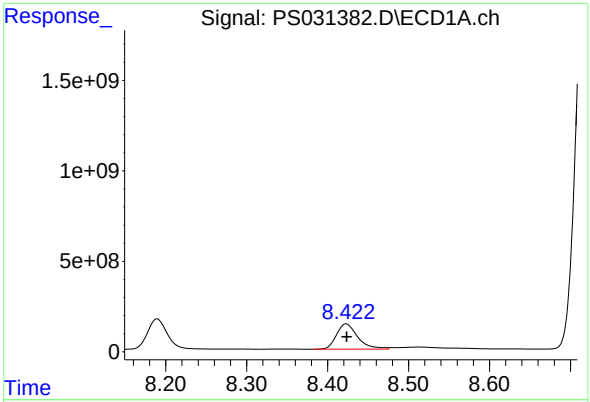
#8 DICHLORPROP

R.T.: 8.189 min
Delta R.T.: 0.000 min
Response: 2817342721
Conc: 916.86 ng/ml



#8 DICHLORPROP

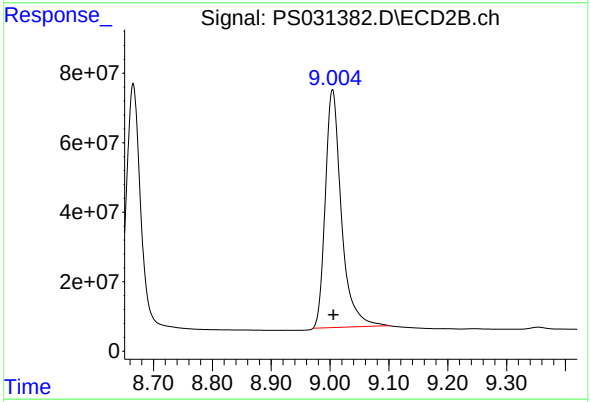
R.T.: 8.665 min
Delta R.T.: 0.000 min
Response: 1196675902
Conc: 918.40 ng/ml



#9 2,4-D

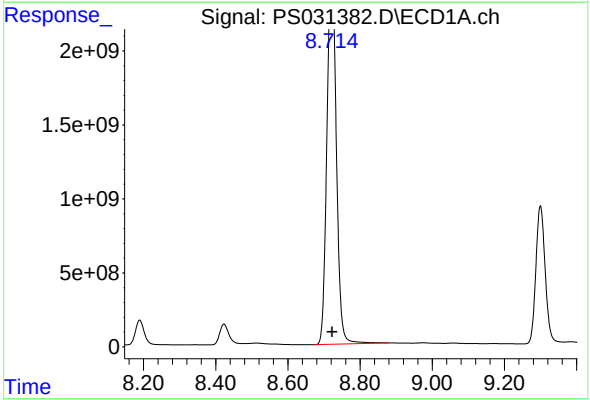
R.T.: 8.423 min
Delta R.T.: 0.000 min
Response: 2555977258
Conc: 928.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



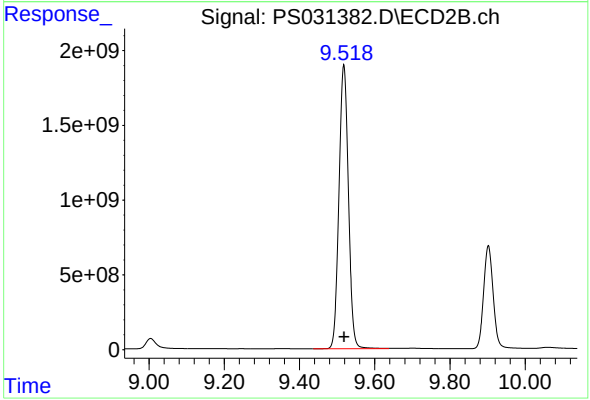
#9 2,4-D

R.T.: 9.004 min
Delta R.T.: -0.001 min
Response: 1302345394
Conc: 918.73 ng/ml



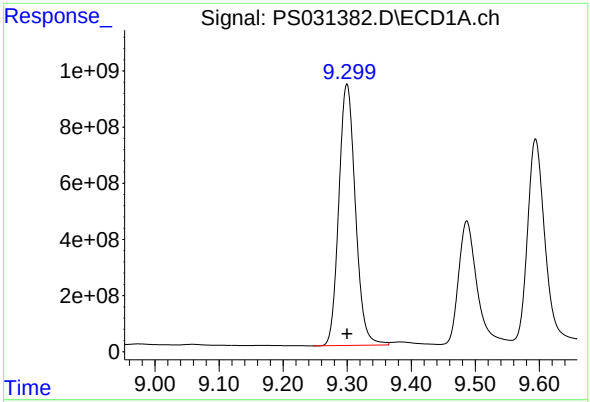
#10 Pentachlorophenol

R.T.: 8.725 min
Delta R.T.: 0.002 min
Response: 43590736019
Conc: 869.17 ng/ml



#10 Pentachlorophenol

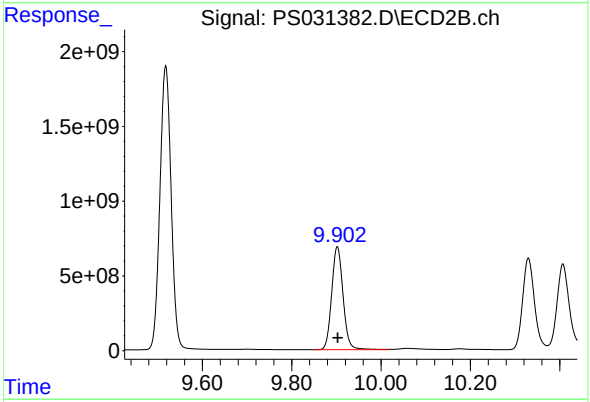
R.T.: 9.518 min
Delta R.T.: 0.000 min
Response: 33125685625
Conc: 932.94 ng/ml



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

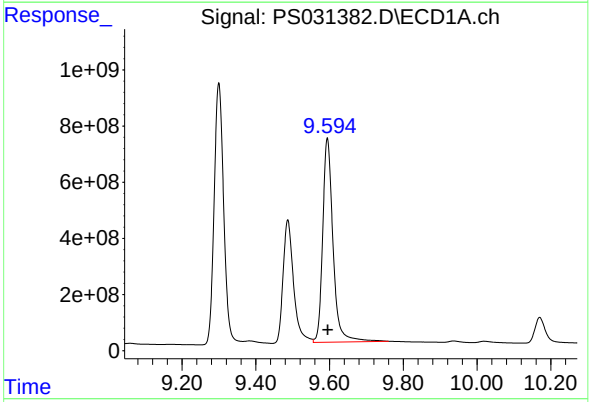
R.T.: 9.300 min
Delta R.T.: 0.000 min
Response: 16690815512
Conc: 932.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



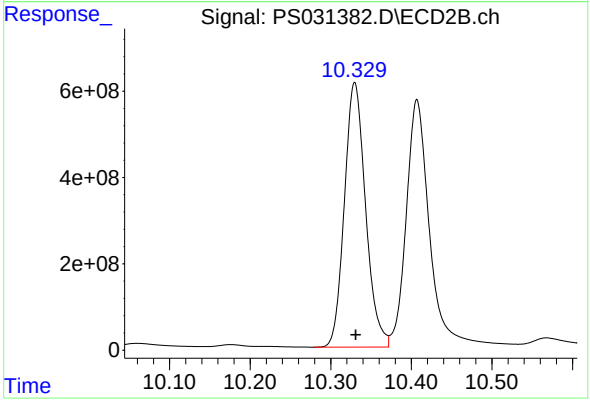
#11 2,4,5-TP (SILVEX)

R.T.: 9.902 min
Delta R.T.: 0.000 min
Response: 12194618070
Conc: 931.63 ng/ml



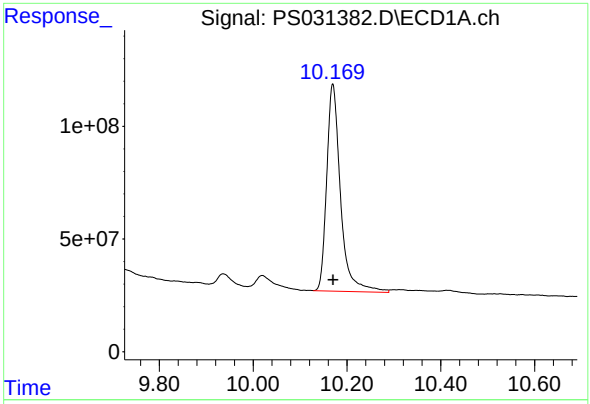
#12 2,4,5-T

R.T.: 9.594 min
Delta R.T.: -0.001 min
Response: 14154354806
Conc: 959.15 ng/ml



#12 2,4,5-T

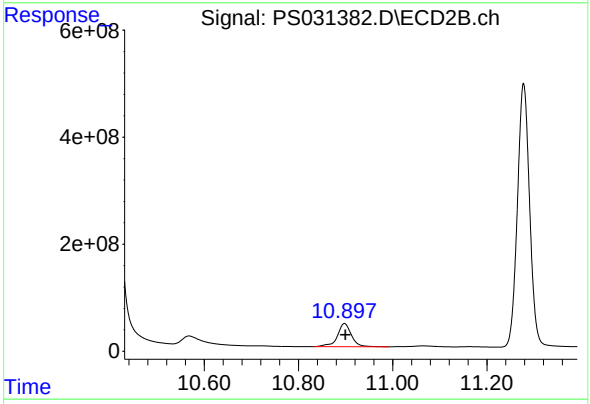
R.T.: 10.330 min
Delta R.T.: -0.001 min
Response: 11213345621
Conc: 944.13 ng/ml



#13 2,4-DB

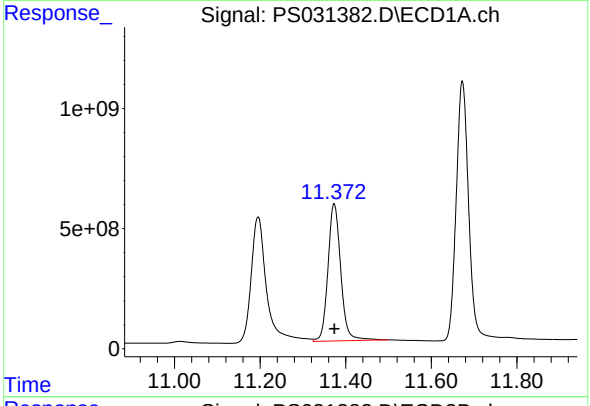
R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 1879983669
Conc: 971.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



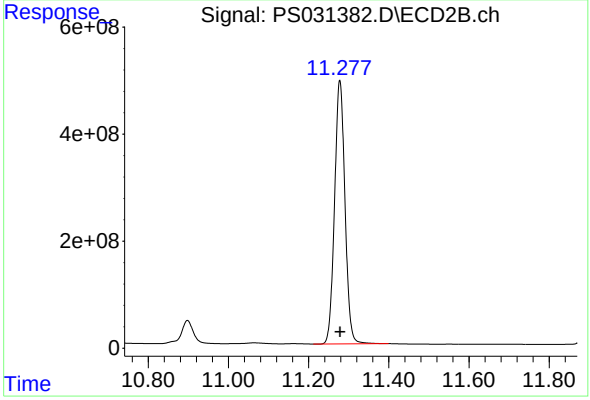
#13 2,4-DB

R.T.: 10.898 min
Delta R.T.: -0.002 min
Response: 900197787
Conc: 942.54 ng/ml



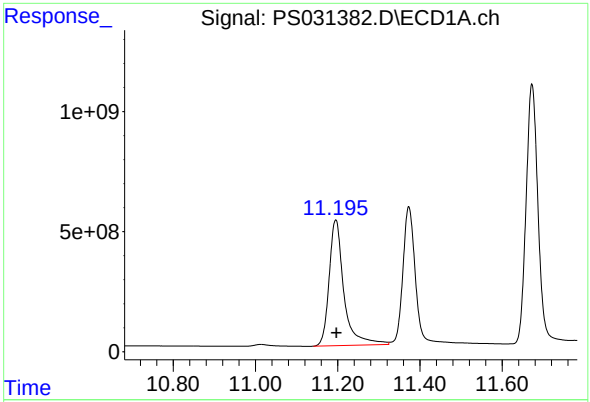
#14 DINOSEB

R.T.: 11.373 min
Delta R.T.: 0.000 min
Response: 11881297522
Conc: 930.86 ng/ml



#14 DINOSEB

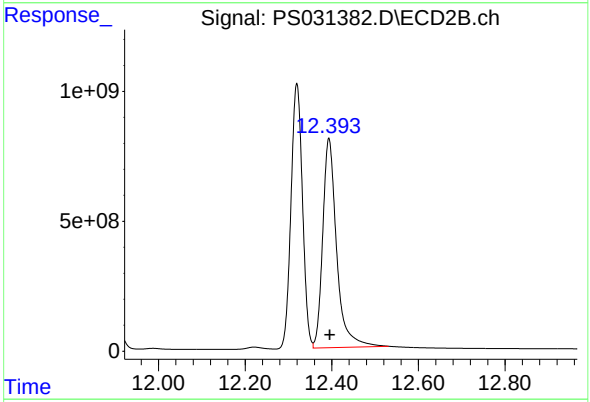
R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 8860793850
Conc: 931.64 ng/ml



#15 Picloram

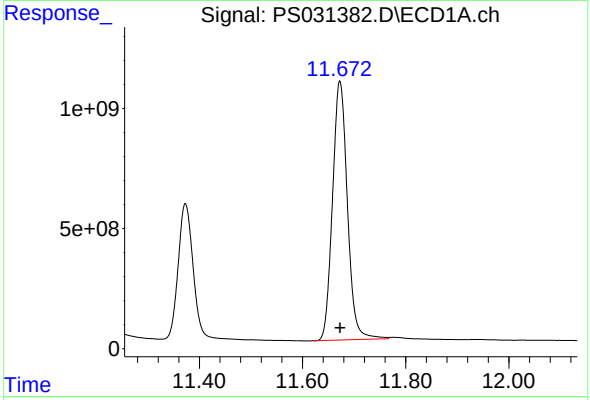
R.T.: 11.195 min
Delta R.T.: -0.002 min
Response: 13105217698
Conc: 994.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



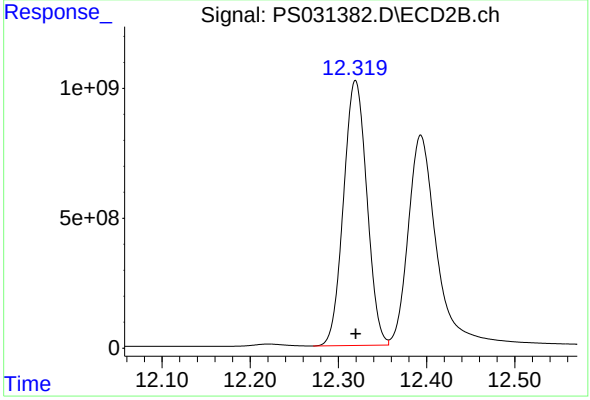
#15 Picloram

R.T.: 12.393 min
Delta R.T.: -0.002 min
Response: 17956403513
Conc: 995.53 ng/ml



#16 DCPA

R.T.: 11.672 min
Delta R.T.: 0.000 min
Response: 21625406473
Conc: 944.09 ng/ml



#16 DCPA

R.T.: 12.319 min
Delta R.T.: 0.000 min
Response: 18741956995
Conc: 944.75 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 13:38
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.293	7.746	4300.6E6	1207.0E6	1385.909	1451.003
		Target Compounds						
1)	T	Dalapon	2.675	2.695	6571.4E6	3354.7E6	1282.748	1295.259
2)	T	3,5-DICHL...	6.459	6.696	5991.0E6	1757.4E6	1294.004	1325.654
3)	T	4-Nitroph...	7.094	7.284	1321.9E6	1866.5E6	1275.258	1470.093m
5)	T	DICAMBA	7.480	7.946	18333.3E6	7834.1E6	1327.348	1386.217
6)	T	MCPP	7.663	8.048	1283.0E6	264.1E6	151.602	142.200
7)	T	MCPA	7.813	8.298	1498.1E6	387.4E6	147.916	134.444
8)	T	DICHLORPROP	8.188	8.665	4076.4E6	1756.7E6	1326.622	1348.210
9)	T	2,4-D	8.421	9.002	3828.8E6	1864.9E6	1390.203	1315.572
10)	T	Pentachlo...	8.730	9.516	51861.9E6	44106.6E6	1034.094	1242.198
11)	T	2,4,5-TP ...	9.298	9.901	24128.8E6	17673.8E6	1347.386	1350.223
12)	T	2,4,5-T	9.593	10.329	21009.4E6	16473.4E6	1423.670	1387.004
13)	T	2,4-DB	10.167	10.896	2944.9E6	1348.9E6	1521.765	1412.360
14)	T	DINOSEB	11.372	11.277	17259.4E6	12812.8E6	1352.227	1347.159
15)	T	Picloram	11.192	12.390	20782.9E6	28274.2E6	1577.444	1567.574
16)	T	DCPA	11.672	12.319	31189.0E6	27119.8E6	1361.610	1367.066

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 13:38
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

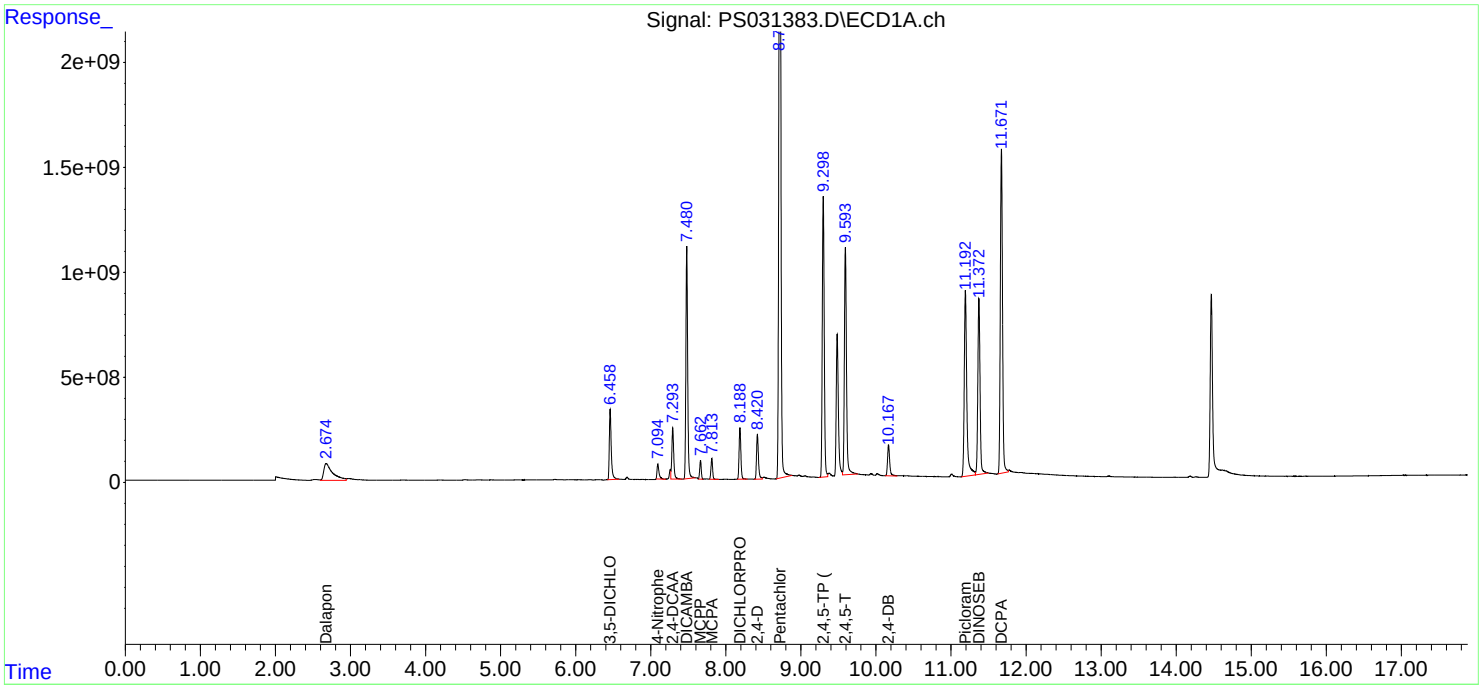
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

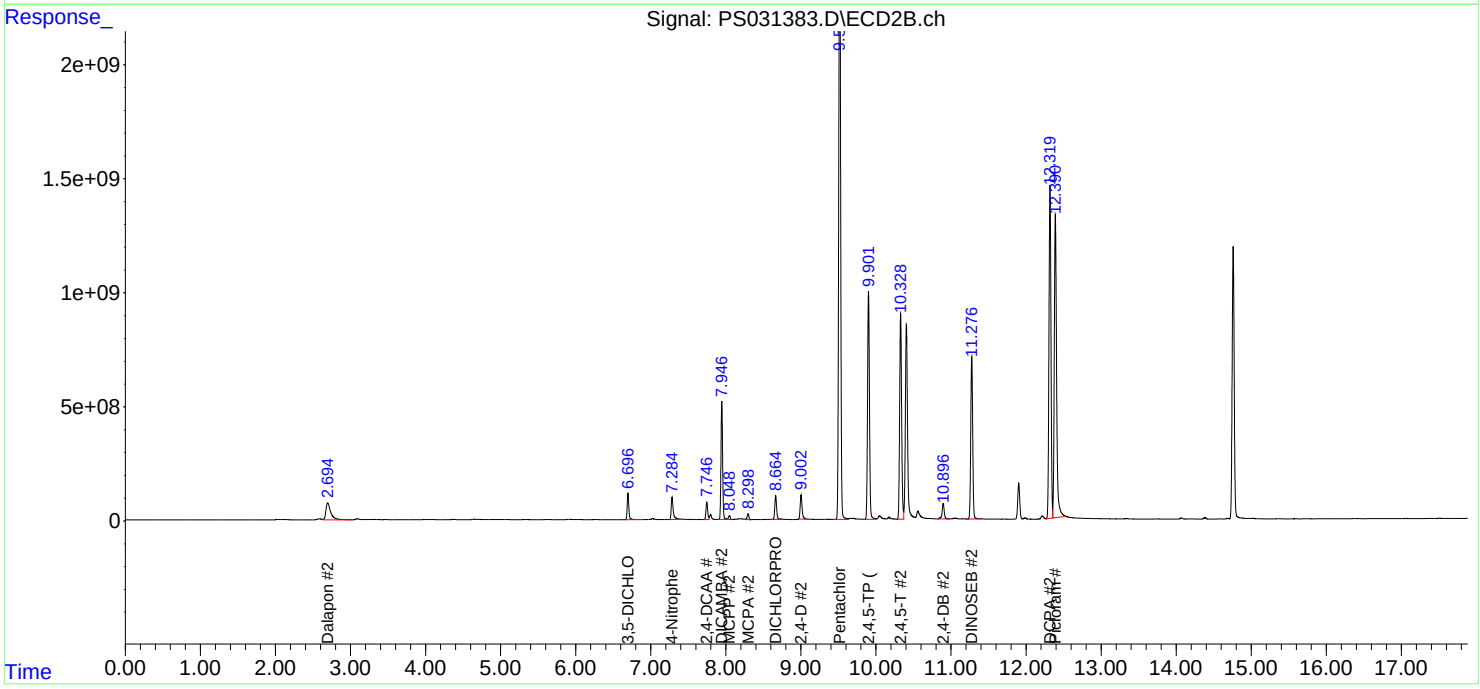
Manual Integrations APPROVED

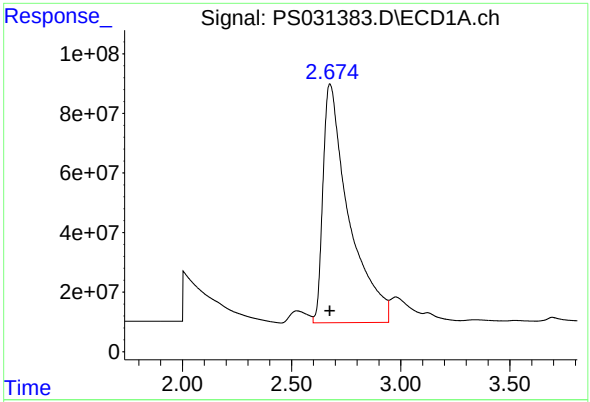
Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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







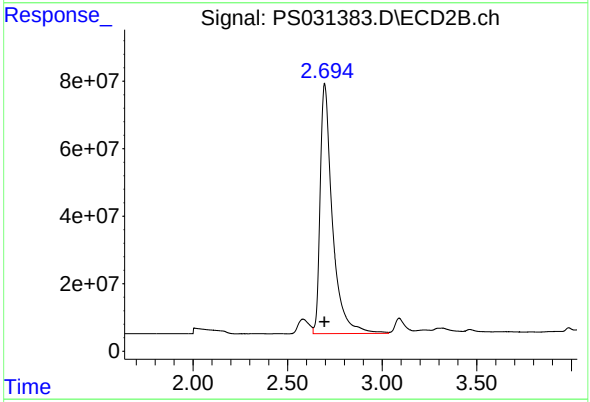
#1 Dalapon

R.T.: 2.675 min
Delta R.T.: 0.000 min
Response: 6571423644
Conc: 1282.75 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

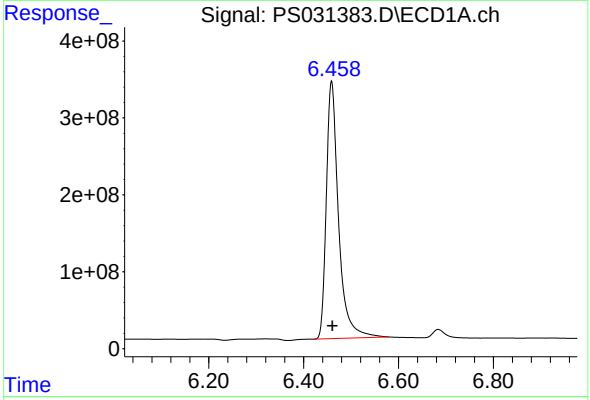
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



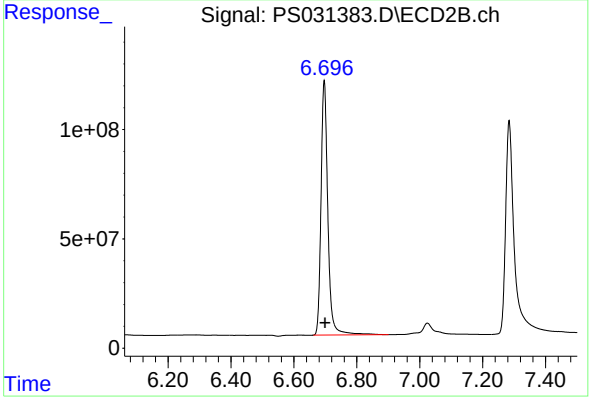
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: 0.000 min
Response: 3354708310
Conc: 1295.26 ng/ml



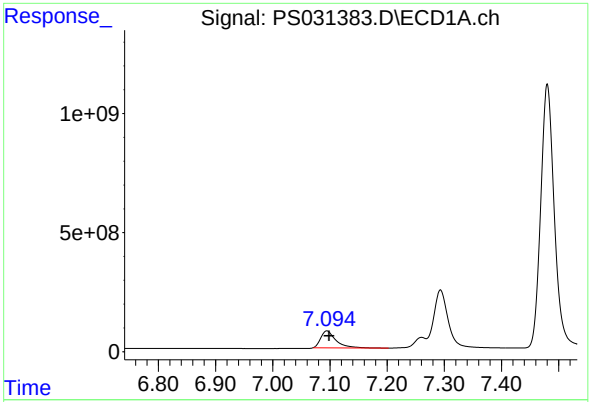
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.459 min
Delta R.T.: -0.002 min
Response: 5990996351
Conc: 1294.00 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.696 min
Delta R.T.: -0.002 min
Response: 1757375989
Conc: 1325.65 ng/ml



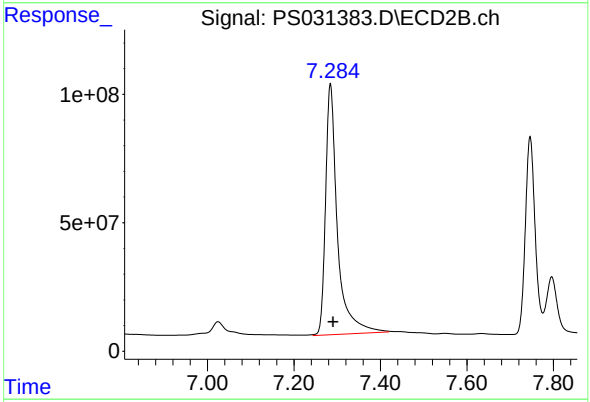
#3 4-Nitrophenol

R.T.: 7.094 min
Delta R.T.: -0.004 min
Response: 1321875892
Conc: 1275.26 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

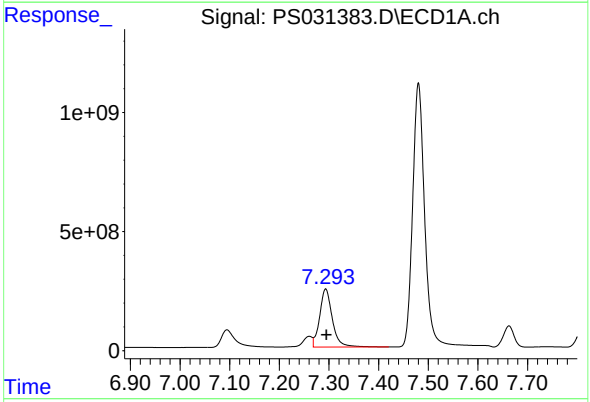
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



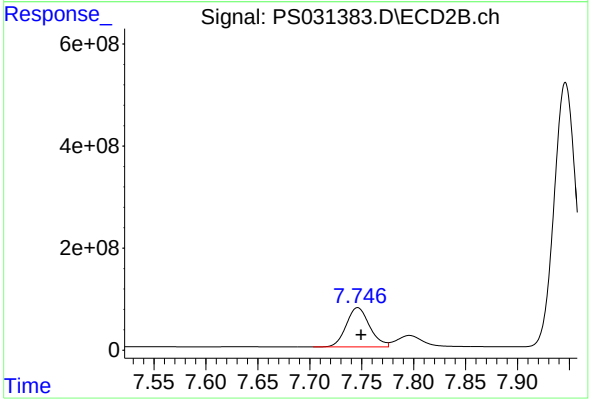
#3 4-Nitrophenol

R.T.: 7.284 min
Delta R.T.: -0.007 min
Response: 1866506809
Conc: 1470.09 ng/ml m



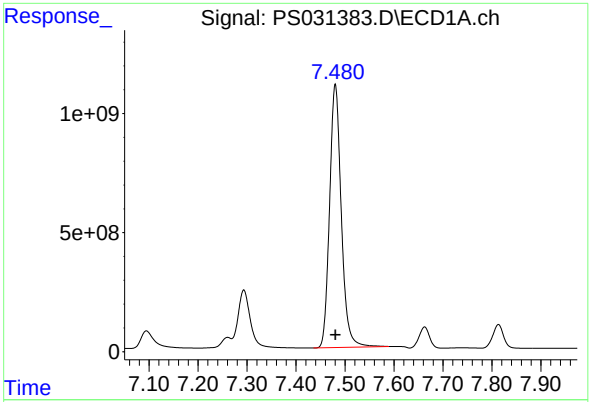
#4 2,4-DCAA

R.T.: 7.293 min
Delta R.T.: -0.001 min
Response: 4300621501
Conc: 1385.91 ng/ml



#4 2,4-DCAA

R.T.: 7.746 min
Delta R.T.: -0.003 min
Response: 1206979814
Conc: 1451.00 ng/ml



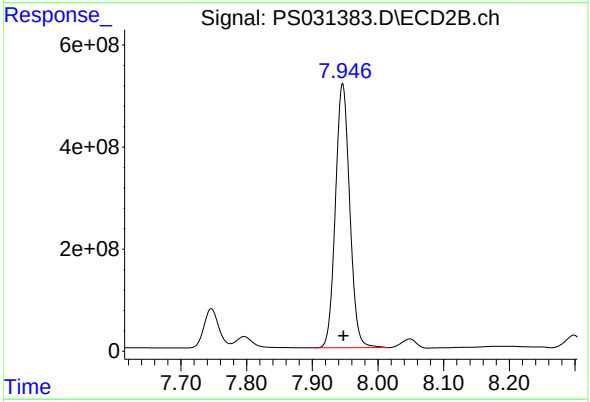
#5 DICAMBA

R.T.: 7.480 min
Delta R.T.: 0.000 min
Response: 18333278288
Conc: 1327.35 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

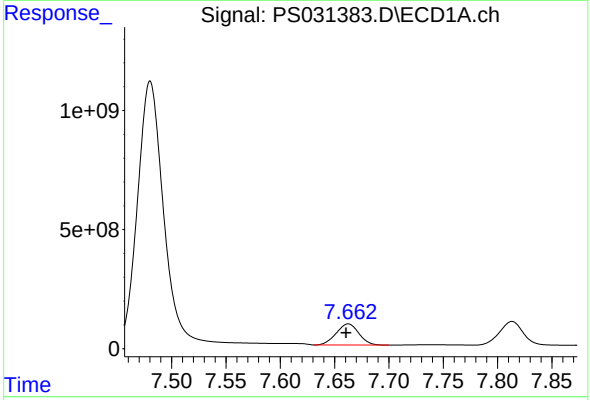
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



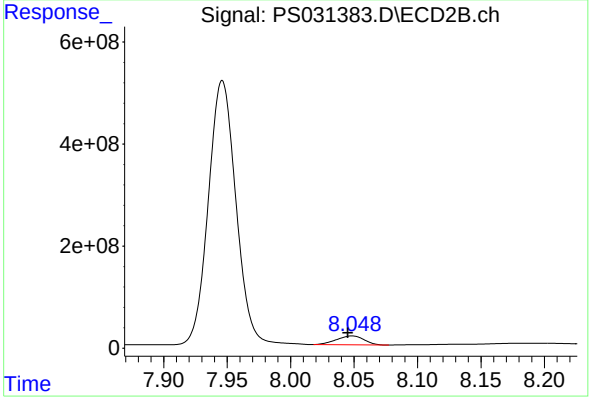
#5 DICAMBA

R.T.: 7.946 min
Delta R.T.: -0.001 min
Response: 7834122837
Conc: 1386.22 ng/ml



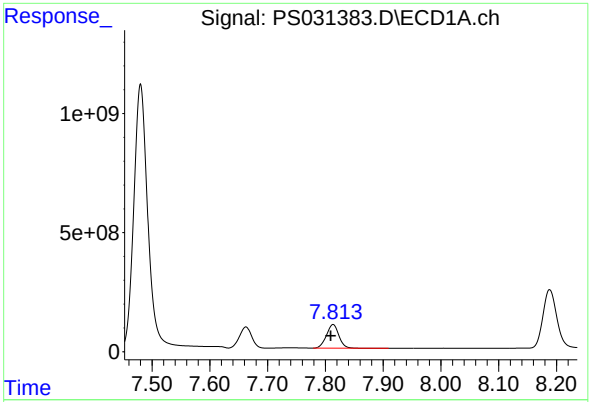
#6 MCPP

R.T.: 7.663 min
Delta R.T.: 0.002 min
Response: 1283034464
Conc: 151.60 ug/ml



#6 MCPP

R.T.: 8.048 min
Delta R.T.: 0.003 min
Response: 264116324
Conc: 142.20 ug/ml



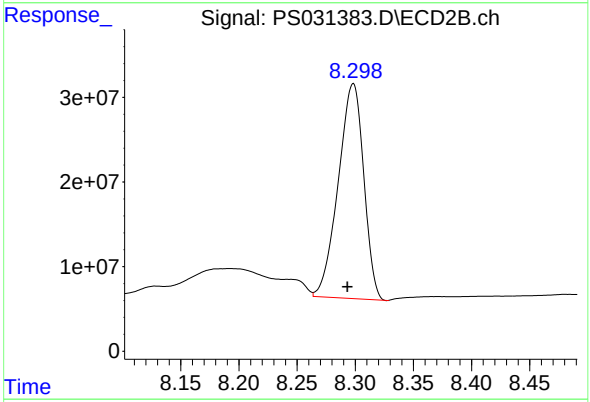
#7 MCPA

R.T.: 7.813 min
Delta R.T.: 0.004 min
Response: 1498055156
Conc: 147.92 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

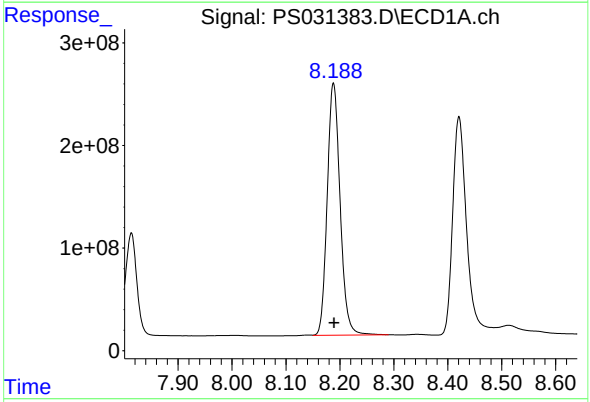
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



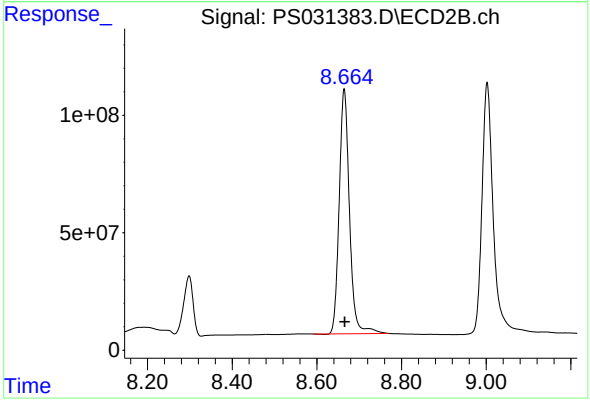
#7 MCPA

R.T.: 8.298 min
Delta R.T.: 0.005 min
Response: 387396802
Conc: 134.44 ug/ml



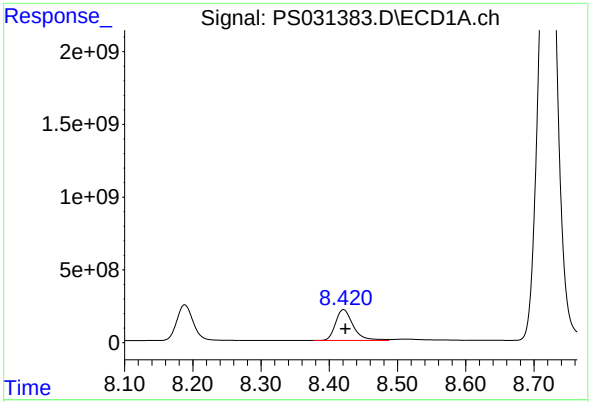
#8 DICHLORPROP

R.T.: 8.188 min
Delta R.T.: -0.001 min
Response: 4076445938
Conc: 1326.62 ng/ml



#8 DICHLORPROP

R.T.: 8.665 min
Delta R.T.: -0.001 min
Response: 1756709502
Conc: 1348.21 ng/ml



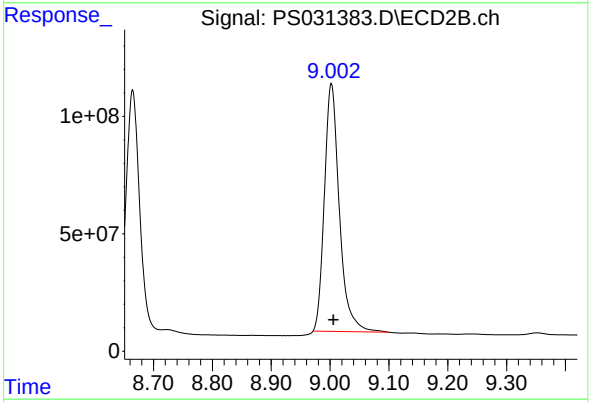
#9 2,4-D

R.T.: 8.421 min
Delta R.T.: -0.003 min
Response: 3828761541
Conc: 1390.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

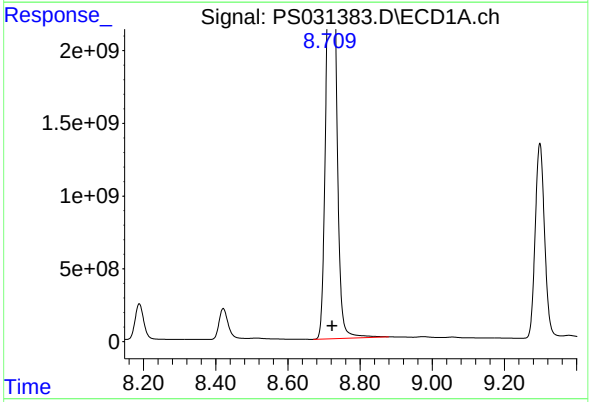
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



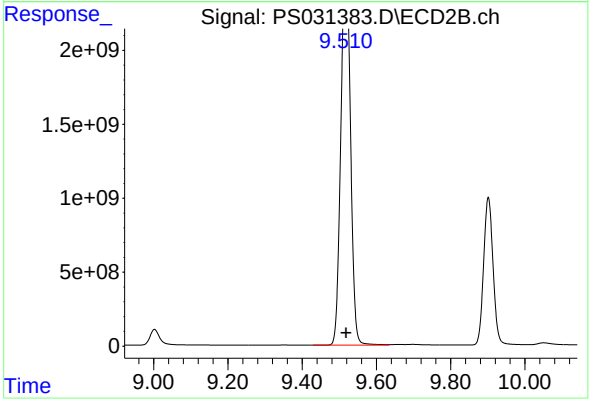
#9 2,4-D

R.T.: 9.002 min
Delta R.T.: -0.003 min
Response: 1864890627
Conc: 1315.57 ng/ml



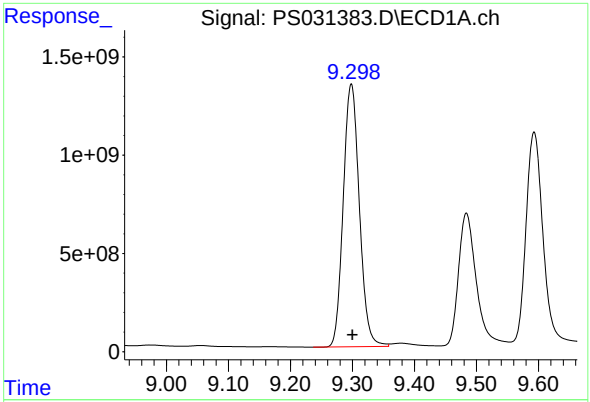
#10 Pentachlorophenol

R.T.: 8.730 min
Delta R.T.: 0.007 min
Response: 51861878538
Conc: 1034.09 ng/ml



#10 Pentachlorophenol

R.T.: 9.516 min
Delta R.T.: -0.002 min
Response: 44106560330
Conc: 1242.20 ng/ml



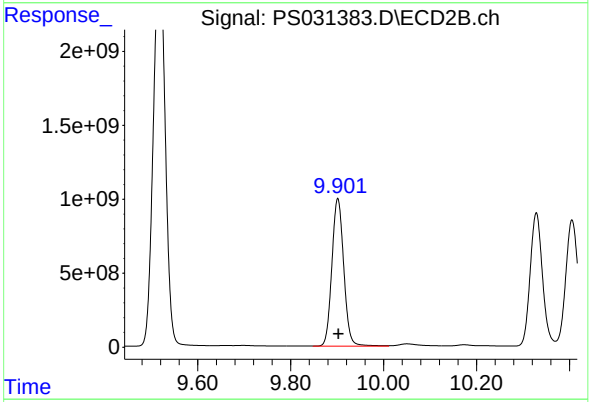
#11 2,4,5-TP (SILVEX)

R.T.: 9.298 min
Delta R.T.: -0.002 min
Response: 24128775156
Conc: 1347.39 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

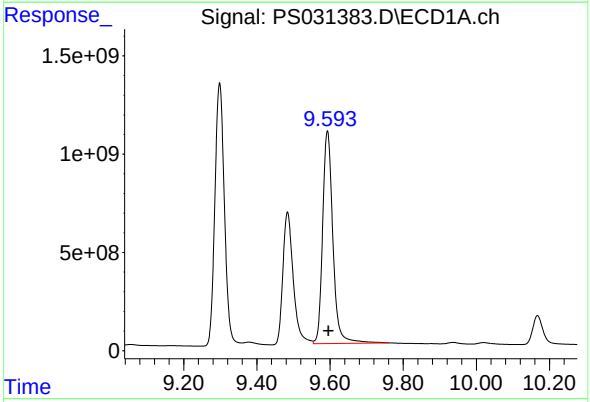
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



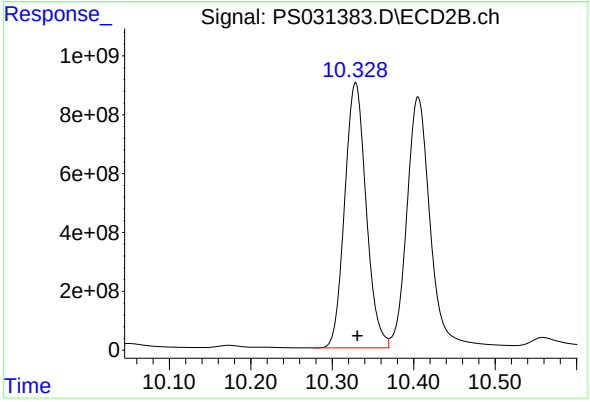
#11 2,4,5-TP (SILVEX)

R.T.: 9.901 min
Delta R.T.: -0.001 min
Response: 17673781554
Conc: 1350.22 ng/ml



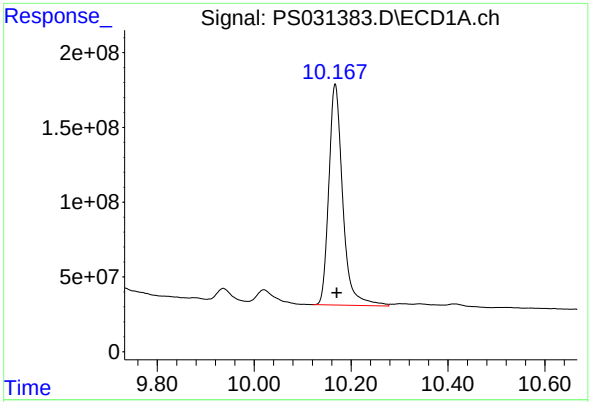
#12 2,4,5-T

R.T.: 9.593 min
Delta R.T.: -0.002 min
Response: 21009440309
Conc: 1423.67 ng/ml



#12 2,4,5-T

R.T.: 10.329 min
Delta R.T.: -0.002 min
Response: 16473371449
Conc: 1387.00 ng/ml



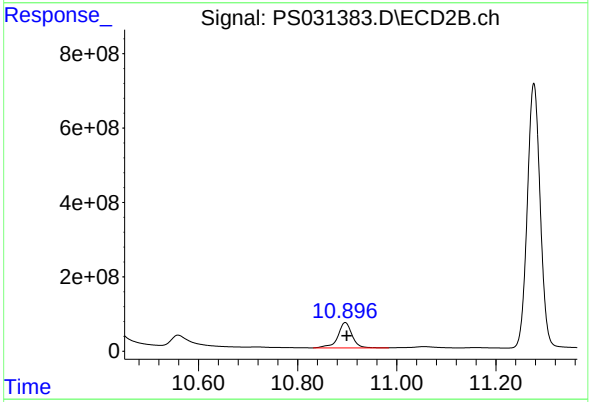
#13 2,4-DB

R.T.: 10.167 min
Delta R.T.: -0.003 min
Response: 2944921967
Conc: 1521.77 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

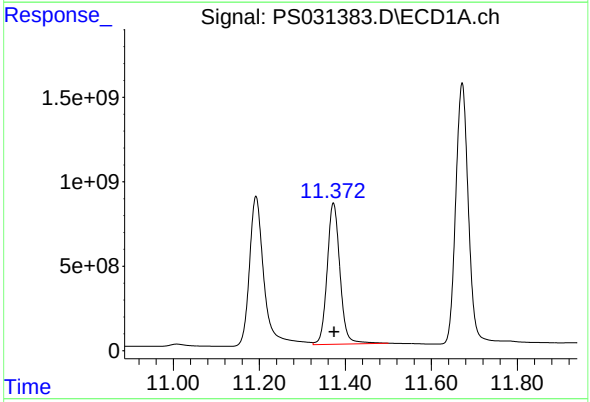
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



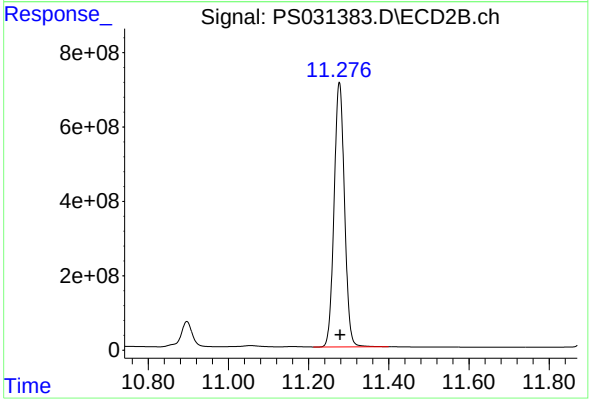
#13 2,4-DB

R.T.: 10.896 min
Delta R.T.: -0.003 min
Response: 1348917395
Conc: 1412.36 ng/ml



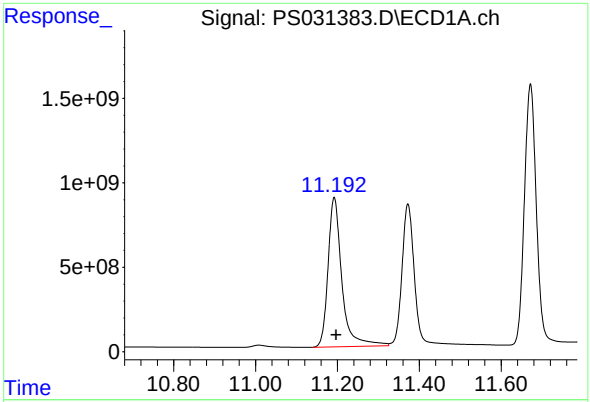
#14 DINOSEB

R.T.: 11.372 min
Delta R.T.: -0.001 min
Response: 17259444358
Conc: 1352.23 ng/ml



#14 DINOSEB

R.T.: 11.277 min
Delta R.T.: -0.002 min
Response: 12812781645
Conc: 1347.16 ng/ml



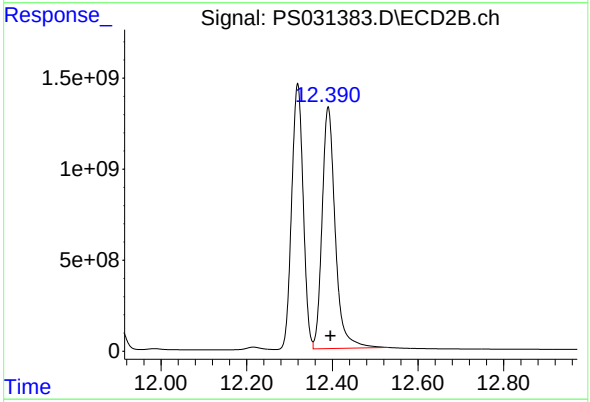
#15 Picloram

R.T.: 11.192 min
Delta R.T.: -0.005 min
Response: 20782904841
Conc: 1577.44 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

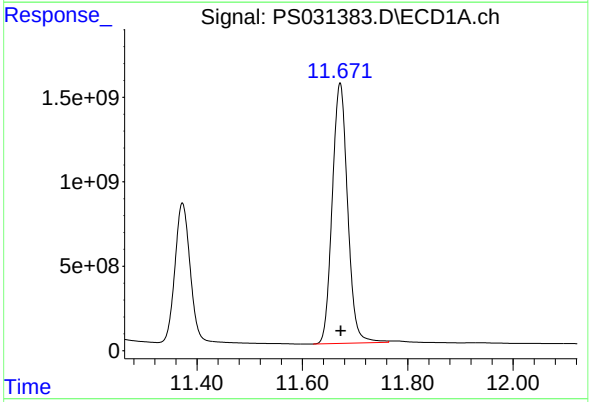
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/08/2025
Supervised By :mohammad ahmed 08/11/2025



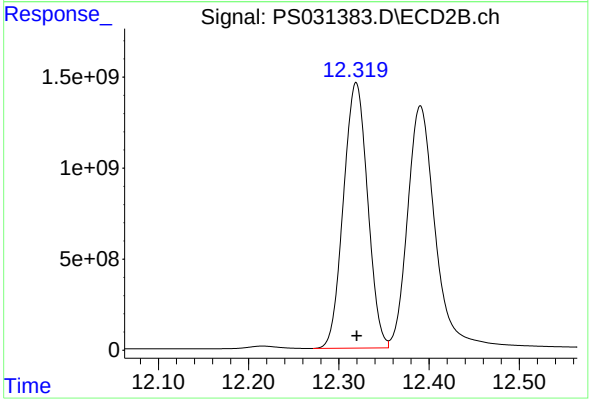
#15 Picloram

R.T.: 12.390 min
Delta R.T.: -0.005 min
Response: 28274237303
Conc: 1567.57 ng/ml



#16 DCPA

R.T.: 11.672 min
Delta R.T.: -0.001 min
Response: 31189001946
Conc: 1361.61 ng/ml



#16 DCPA

R.T.: 12.319 min
Delta R.T.: 0.000 min
Response: 27119822994
Conc: 1367.07 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031384.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 14:02
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS080725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:20:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.294	7.748	2401.8E6	648.9E6	756.708	767.599
	Target Compounds						
1) T	Dalapon	2.675	2.695	3580.3E6	1814.5E6	682.100	681.872
2) T	3,5-DICHL...	6.460	6.699	3328.0E6	960.1E6	705.343	710.144
3) T	4-Nitroph...	7.098	7.290	723.7E6	890.2E6	701.493	708.271
5) T	DICAMBA	7.480	7.947	10059.4E6	4154.0E6	720.256	730.997
6) T	MCPP	7.660	8.045	619.1E6	136.0E6	76.951	76.930
7) T	MCPA	7.809	8.293	732.2E6	206.9E6	73.509	73.757
8) T	DICHLORPROP	8.189	8.666	2241.9E6	952.0E6	706.688	713.071
9) T	2,4-D	8.423	9.005	2032.0E6	1036.1E6	706.334	725.922
10) T	Pentachlo...	8.721	9.518	36978.3E6	26330.5E6	770.181	756.005
11) T	2,4,5-TP ...	9.299	9.903	13227.4E6	9717.0E6	737.981	740.852
12) T	2,4,5-T	9.595	10.331	10944.8E6	8824.0E6	747.023	745.289
13) T	2,4-DB	10.171	10.899	1426.6E6	709.3E6	742.362	735.166
14) T	DINOSEB	11.373	11.278	8967.1E6	6659.3E6	707.266	704.174
15) T	Picloram	11.197	12.395	9930.2E6	13568.1E6	760.694	774.008
16) T	DCPA	11.673	12.320	17169.5E6	14922.6E6	753.732	757.478

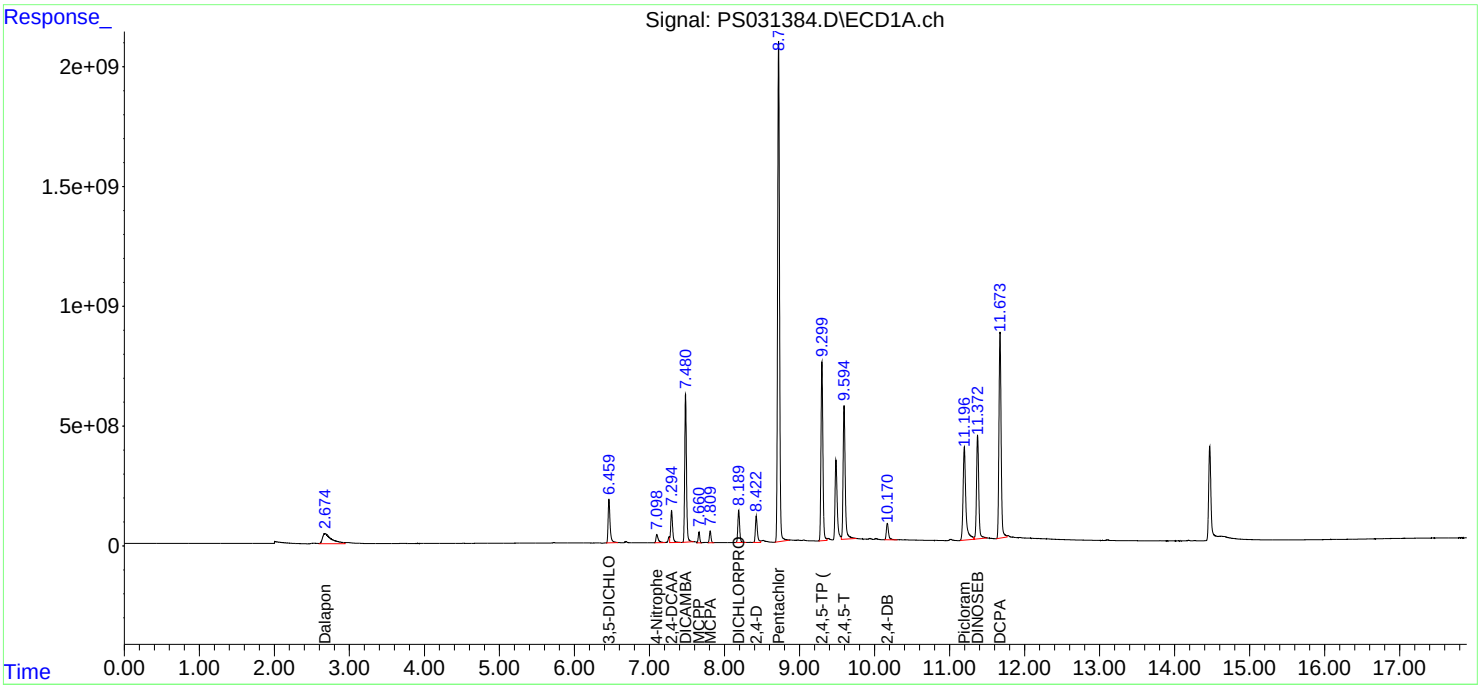
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

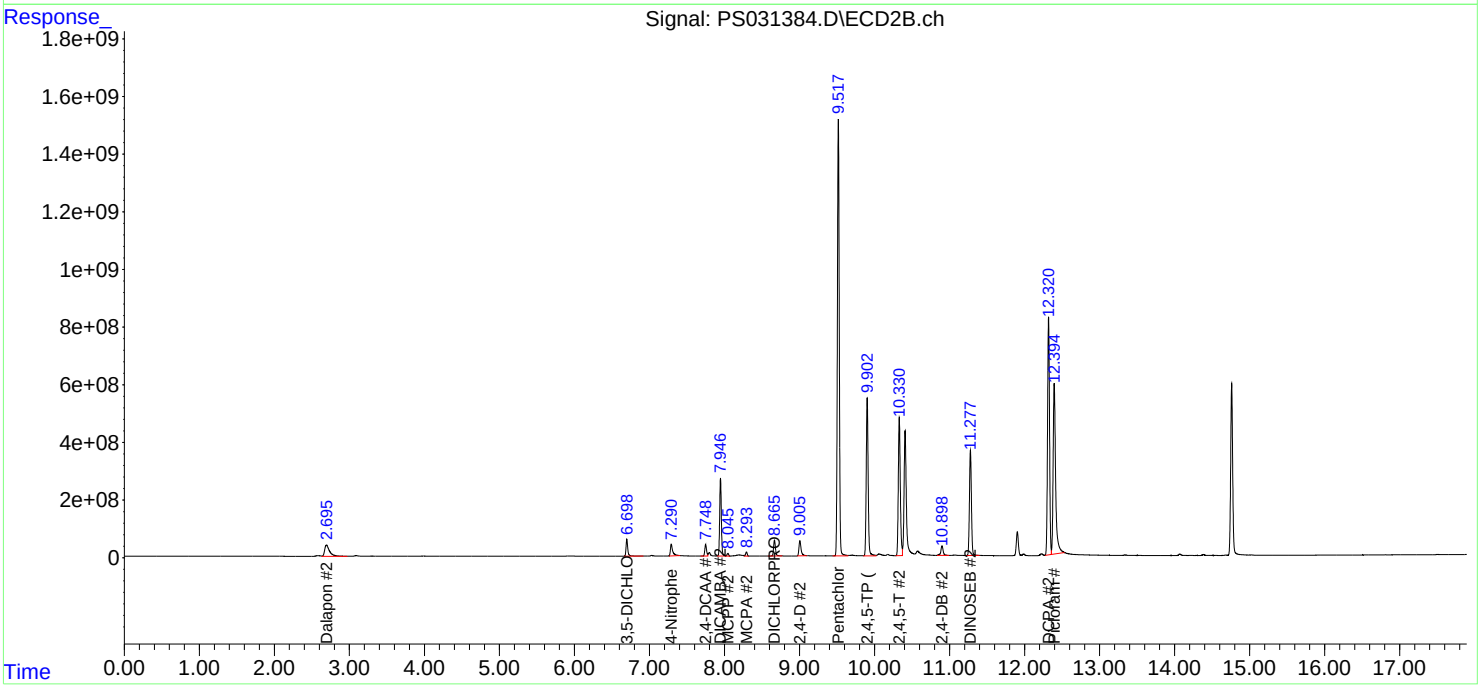
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031384.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 14:02
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

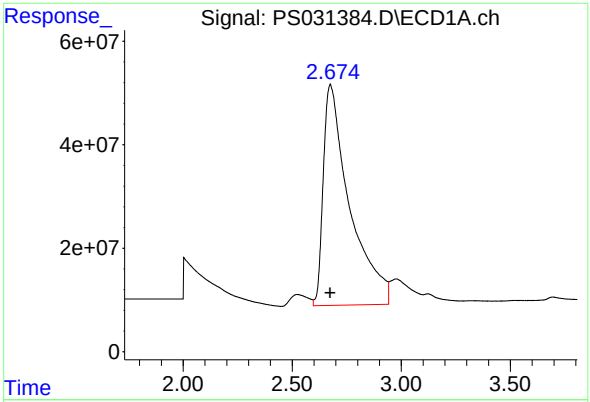
Instrument :
ECD_S
ClientSampleId :
ICVPS080725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:20:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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



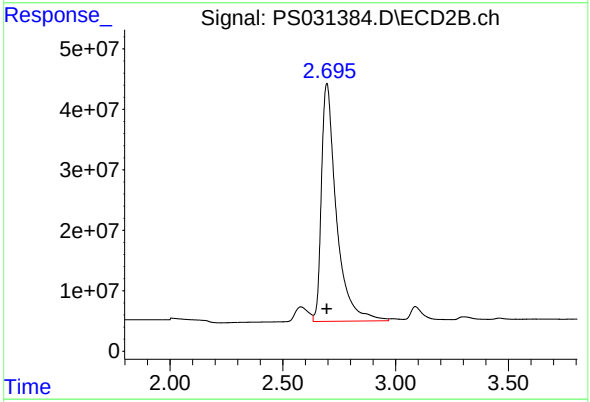




#1 Dalapon

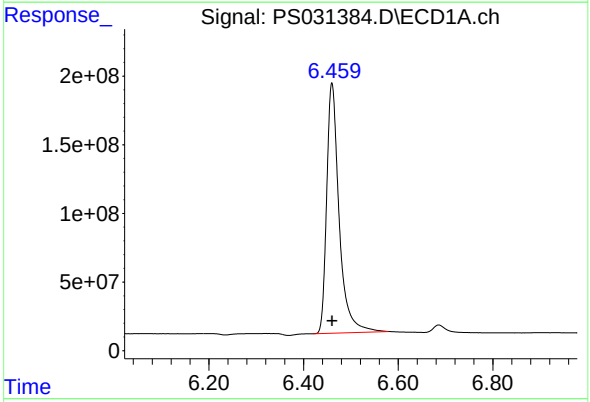
R.T.: 2.675 min
Delta R.T.: 0.000 min
Response: 3580299872
Conc: 682.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS080725



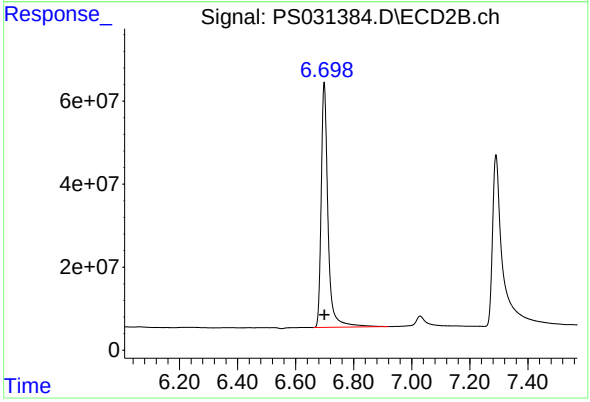
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: 0.000 min
Response: 1814469422
Conc: 681.87 ng/ml



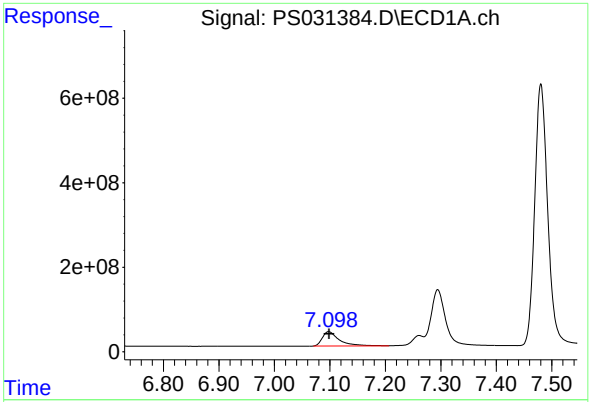
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.460 min
Delta R.T.: 0.000 min
Response: 3328032616
Conc: 705.34 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

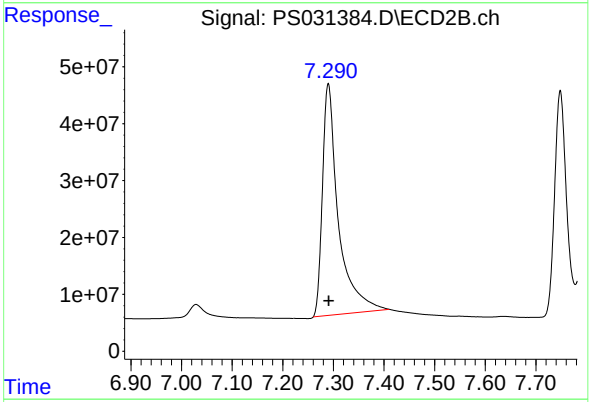
R.T.: 6.699 min
Delta R.T.: 0.000 min
Response: 960065117
Conc: 710.14 ng/ml



#3 4-Nitrophenol

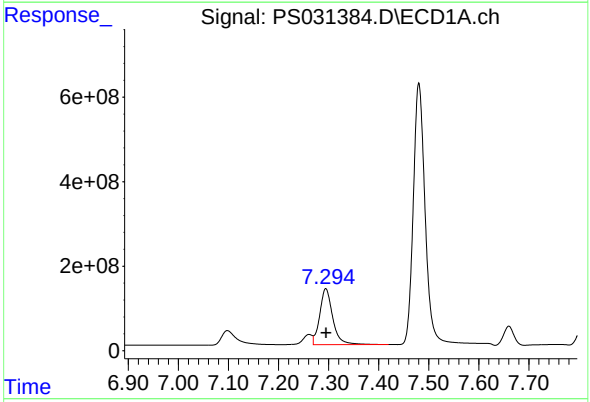
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 723716122
Conc: 701.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS080725



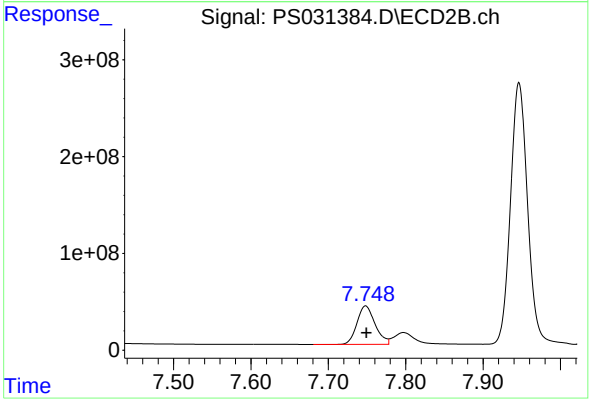
#3 4-Nitrophenol

R.T.: 7.290 min
Delta R.T.: 0.000 min
Response: 890219427
Conc: 708.27 ng/ml



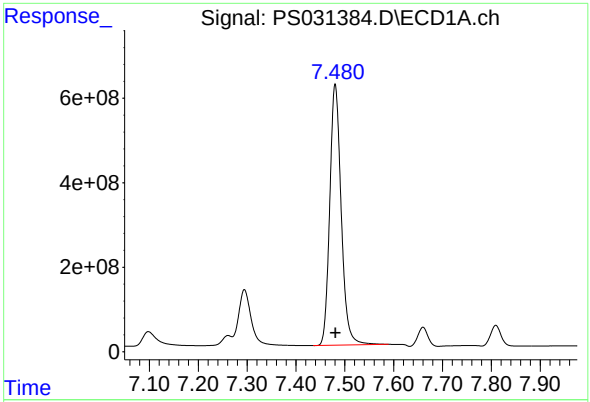
#4 2,4-DCAA

R.T.: 7.294 min
Delta R.T.: 0.000 min
Response: 2401781981
Conc: 756.71 ng/ml



#4 2,4-DCAA

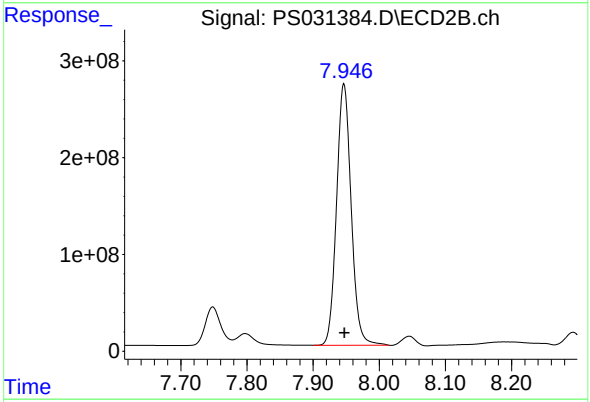
R.T.: 7.748 min
Delta R.T.: 0.000 min
Response: 648881839
Conc: 767.60 ng/ml



#5 DICAMBA

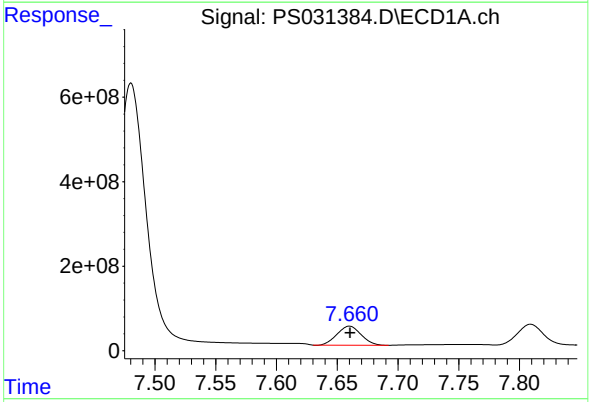
R.T.: 7.480 min
Delta R.T.: 0.000 min
Response: 10059437304
Conc: 720.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS080725



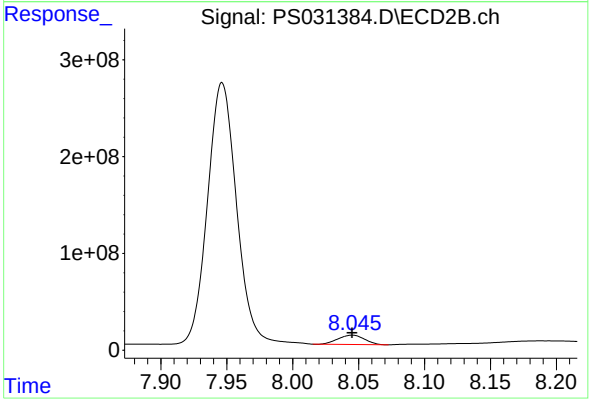
#5 DICAMBA

R.T.: 7.947 min
Delta R.T.: 0.000 min
Response: 4154029987
Conc: 731.00 ng/ml



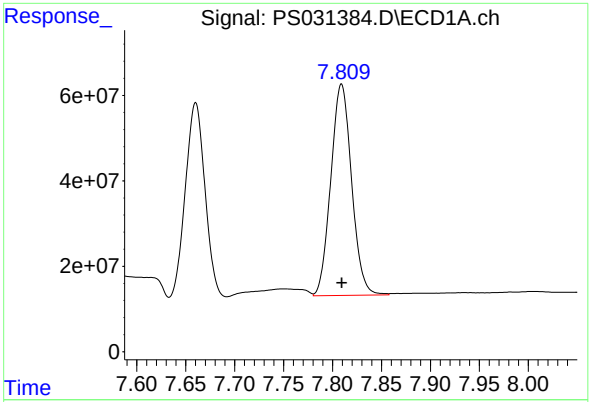
#6 MCPP

R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 619059554
Conc: 76.95 ug/ml



#6 MCPP

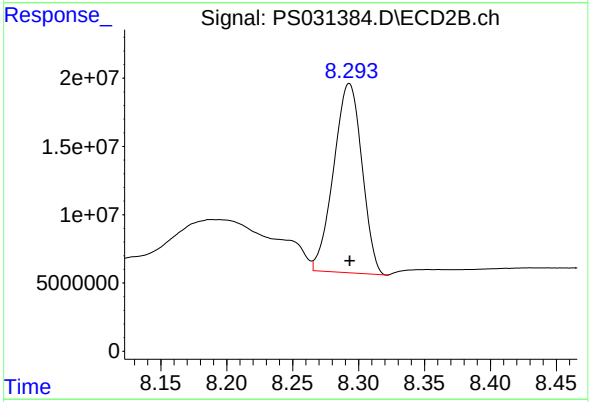
R.T.: 8.045 min
Delta R.T.: 0.000 min
Response: 135999121
Conc: 76.93 ug/ml



#7 MCPA

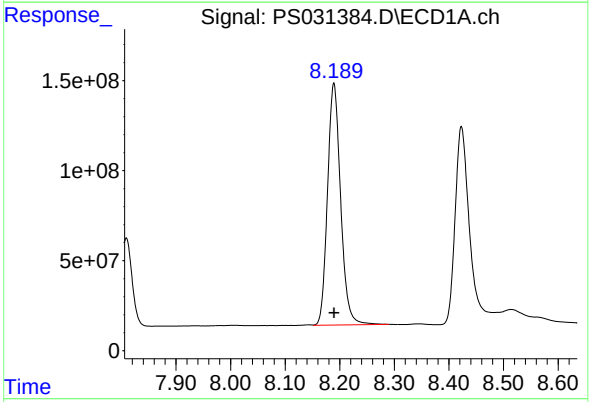
R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 732245367
Conc: 73.51 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS080725



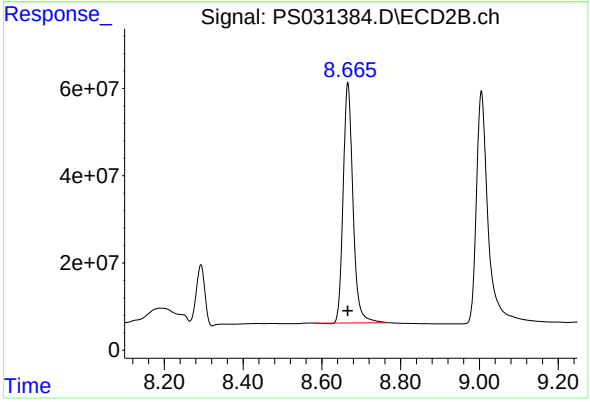
#7 MCPA

R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 206924351
Conc: 73.76 ug/ml



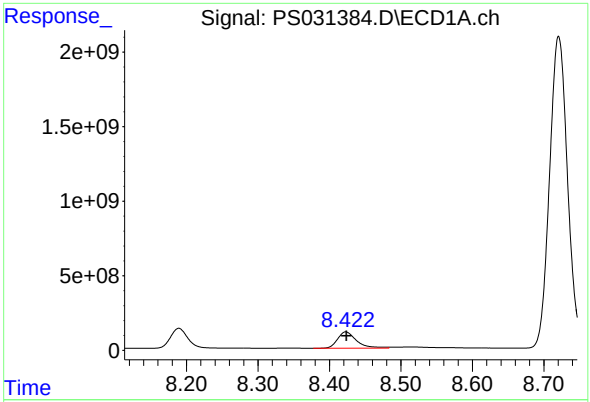
#8 DICHLORPROP

R.T.: 8.189 min
Delta R.T.: 0.000 min
Response: 2241917950
Conc: 706.69 ng/ml



#8 DICHLORPROP

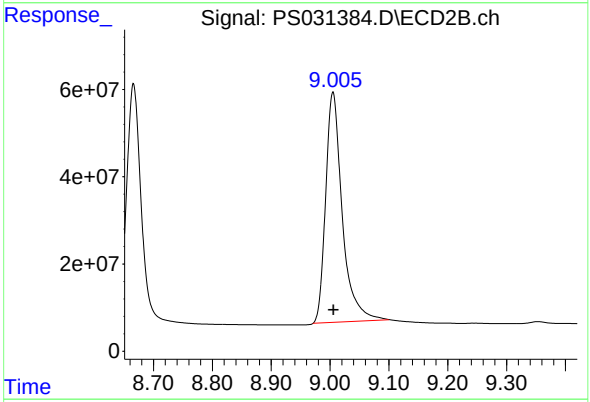
R.T.: 8.666 min
Delta R.T.: 0.000 min
Response: 951973536
Conc: 713.07 ng/ml



#9 2,4-D

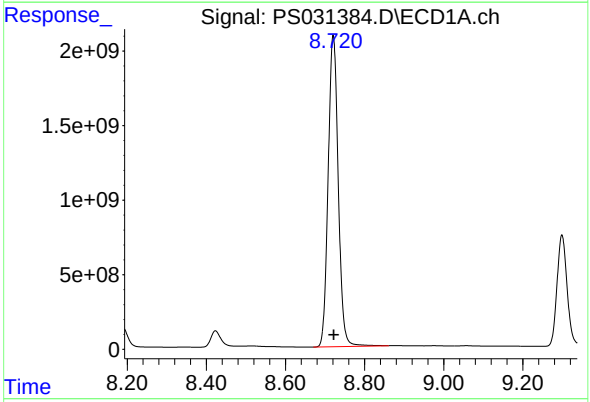
R.T.: 8.423 min
Delta R.T.: 0.000 min
Response: 2031992100
Conc: 706.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS080725



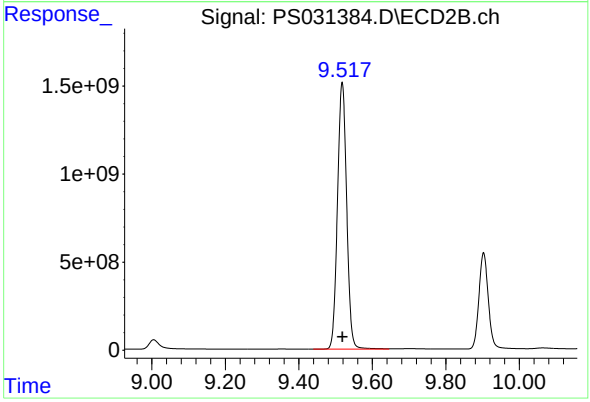
#9 2,4-D

R.T.: 9.005 min
Delta R.T.: 0.000 min
Response: 1036098206
Conc: 725.92 ng/ml



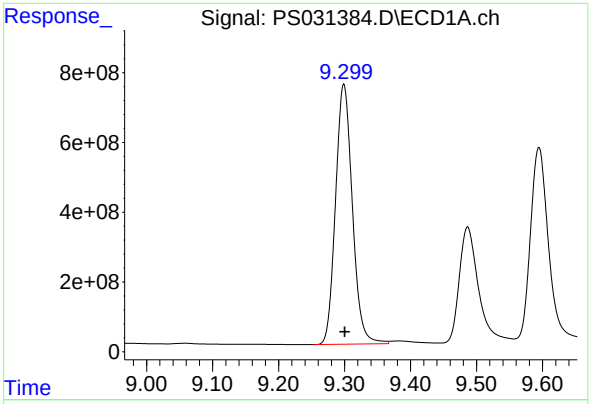
#10 Pentachlorophenol

R.T.: 8.721 min
Delta R.T.: -0.002 min
Response: 36978267550
Conc: 770.18 ng/ml



#10 Pentachlorophenol

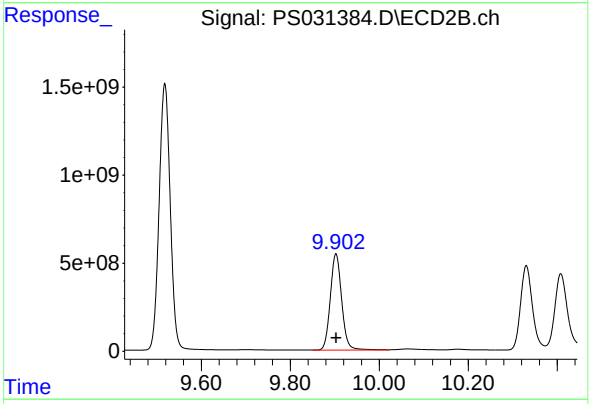
R.T.: 9.518 min
Delta R.T.: 0.000 min
Response: 26330450137
Conc: 756.00 ng/ml



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

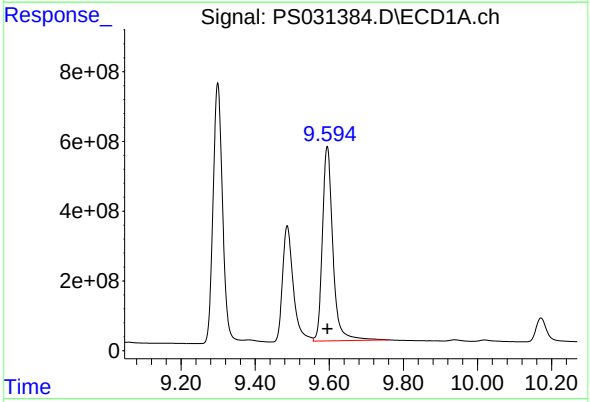
R.T.: 9.299 min
Delta R.T.: -0.001 min
Response: 13227354389
Conc: 737.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS080725



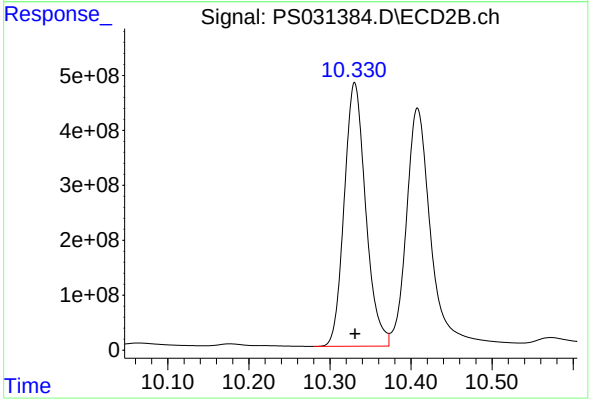
#11 2,4,5-TP (SILVEX)

R.T.: 9.903 min
Delta R.T.: 0.000 min
Response: 9717033143
Conc: 740.85 ng/ml



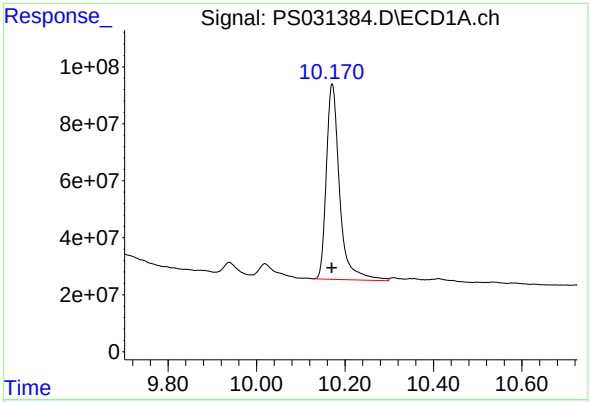
#12 2,4,5-T

R.T.: 9.595 min
Delta R.T.: 0.000 min
Response: 10944810603
Conc: 747.02 ng/ml



#12 2,4,5-T

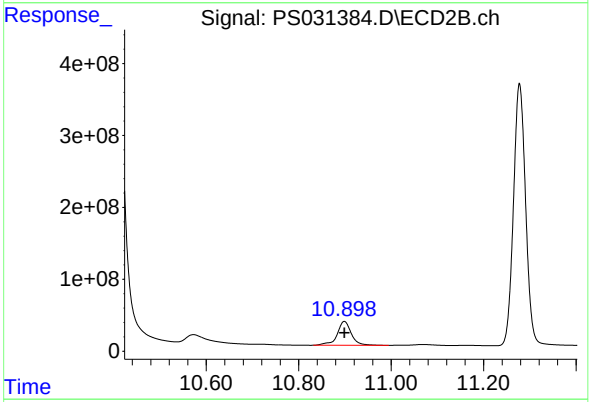
R.T.: 10.331 min
Delta R.T.: 0.000 min
Response: 8824045233
Conc: 745.29 ng/ml



#13 2,4-DB

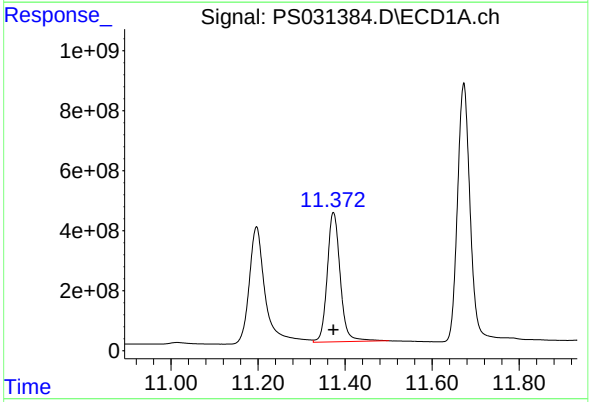
R.T.: 10.171 min
Delta R.T.: 0.000 min
Response: 1426611900
Conc: 742.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS080725



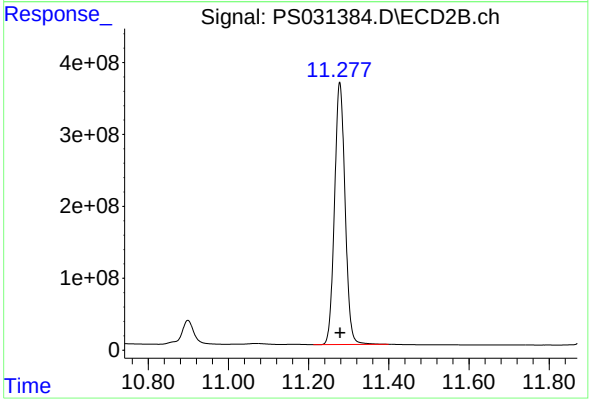
#13 2,4-DB

R.T.: 10.899 min
Delta R.T.: 0.000 min
Response: 709322560
Conc: 735.17 ng/ml



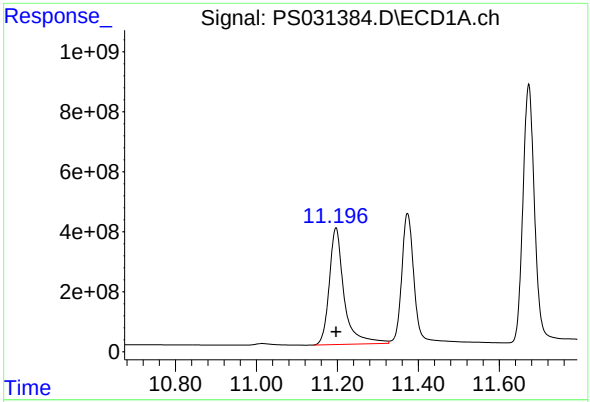
#14 DINOSEB

R.T.: 11.373 min
Delta R.T.: 0.000 min
Response: 8967061120
Conc: 707.27 ng/ml



#14 DINOSEB

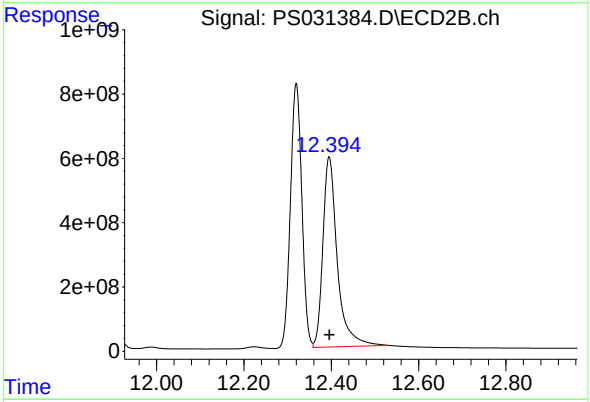
R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 6659342540
Conc: 704.17 ng/ml



#15 Picloram

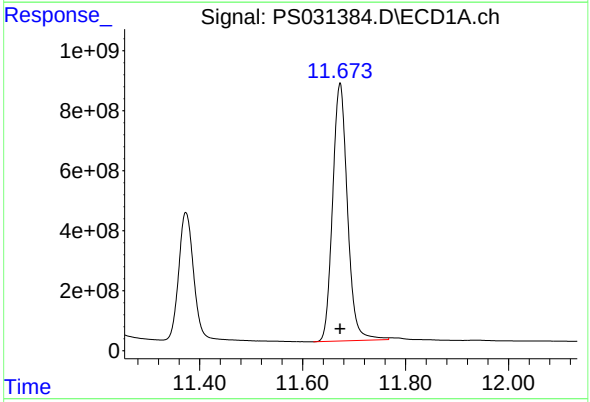
R.T.: 11.197 min
Delta R.T.: 0.000 min
Response: 9930210803
Conc: 760.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS080725



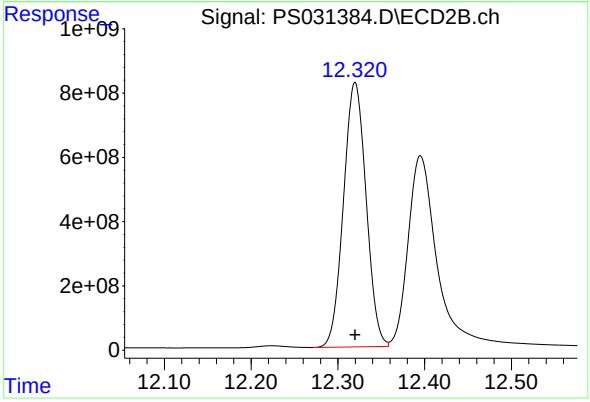
#15 Picloram

R.T.: 12.395 min
Delta R.T.: 0.000 min
Response: 13568146766
Conc: 774.01 ng/ml



#16 DCPA

R.T.: 11.673 min
Delta R.T.: 0.000 min
Response: 17169505123
Conc: 753.73 ng/ml



#16 DCPA

R.T.: 12.320 min
Delta R.T.: 0.000 min
Response: 14922621951
Conc: 757.48 ng/ml

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Continuing Calib Date: 08/19/2025 **Initial Calibration Date(s):** 08/07/2025 08/07/2025

Continuing Calib Time: 13:09 **Initial Calibration Time(s):** 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.47	7.48	7.38	7.58	0.01
2,4-DCAA	7.29	7.30	7.20	7.40	0.01
Dalapon	2.67	2.67	2.57	2.77	0.00
DICHLORPROP	8.18	8.19	8.09	8.29	0.01
2,4-D	8.42	8.42	8.32	8.52	0.00
2,4,5-TP(Silvex)	9.29	9.30	9.20	9.40	0.01
2,4,5-T	9.59	9.60	9.50	9.70	0.01
2,4-DB	10.16	10.17	10.07	10.27	0.01
Dinoseb	11.36	11.37	11.27	11.47	0.01

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Continuing Calib Date: 08/19/2025 **Initial Calibration Date(s):** 08/07/2025 08/07/2025

Continuing Calib Time: 13:09 **Initial Calibration Time(s):** 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.94	7.95	7.85	8.05	0.01
2,4-DCAA	7.74	7.75	7.65	7.85	0.01
Dalapon	2.69	2.70	2.60	2.80	0.01
DICHLORPROP	8.66	8.67	8.57	8.77	0.01
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.90	9.90	9.80	10.00	0.00
2,4,5-T	10.32	10.33	10.23	10.43	0.01
2,4-DB	10.89	10.90	10.80	11.00	0.01
Dinoseb	11.27	11.28	11.18	11.38	0.01

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031494.D **Time Analyzed:** 13:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.586	9.495	9.695	731.090	712.500	2.6
2,4,5-TP(Silvex)	9.290	9.200	9.400	713.410	712.500	0.1
2,4-D	8.417	8.324	8.524	675.620	705.000	-4.2
2,4-DB	10.163	10.070	10.270	712.340	712.500	0.0
2,4-DCAA	7.288	7.195	7.395	731.100	750.000	-2.5
Dalapon	2.671	2.574	2.774	593.580	682.500	-13.0
DICAMBA	7.473	7.381	7.581	685.160	705.000	-2.8
DICHLORPROP	8.181	8.089	8.289	676.850	705.000	-4.0
Dinoseb	11.361	11.273	11.473	709.380	705.000	0.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031494.D **Time Analyzed:** 13:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.324	10.231	10.431	654.170	712.500	-8.2
2,4,5-TP(Silvex)	9.895	9.803	10.003	668.200	712.500	-6.2
2,4-D	9.001	8.906	9.106	618.620	705.000	-12.3
2,4-DB	10.892	10.799	10.999	623.370	712.500	-12.5
2,4-DCAA	7.744	7.649	7.849	680.760	750.000	-9.2
Dalapon	2.693	2.595	2.795	562.690	682.500	-17.6
DICAMBA	7.940	7.847	8.047	652.060	705.000	-7.5
DICHLORPROP	8.659	8.566	8.766	642.110	705.000	-8.9
Dinoseb	11.269	11.178	11.378	664.320	705.000	-5.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:09
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 20 06:23:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.288	7.744	2320.5E6	575.5E6	731.100	680.760
	Target Compounds						
1) T	Dalapon	2.671	2.693	3115.7E6	1497.3E6	593.584	562.693
2) T	3,5-DICHL...	6.455	6.695	3166.4E6	869.3E6	671.078	642.984
3) T	4-Nitroph...	7.096	7.291	712.0E6	824.1E6	690.137	655.704
5) T	DICAMBA	7.473	7.940	9569.3E6	3705.5E6	685.160	652.062
6) T	MCPP	7.651	8.037	521.8E6	117.6E6	64.864	66.543
7) T	MCPA	7.800	8.285	653.5E6	163.6E6	65.602	58.323
8) T	DICHLORPROP	8.181	8.659	2147.2E6	857.2E6	676.847	642.113
9) T	2,4-D	8.417	9.001	1943.6E6	882.9E6	675.621	618.617
10) T	Pentachlo...	8.712	9.510	35115.7E6	24025.2E6	731.389	689.817
11) T	2,4,5-TP ...	9.290	9.895	12787.0E6	8764.1E6	713.414	668.201
12) T	2,4,5-T	9.586	10.324	10711.3E6	7745.2E6	731.088	654.172
13) T	2,4-DB	10.163	10.892	1368.9E6	601.5E6	712.343	623.372
14) T	DINOSEB	11.361	11.269	8993.8E6	6282.5E6	709.376	664.322
15) T	Picloram	11.190	12.390	8744.1E6	10813.5E6	669.832	616.865
16) T	DCPA	11.660	12.310	16855.7E6	14547.0E6	739.955	738.411

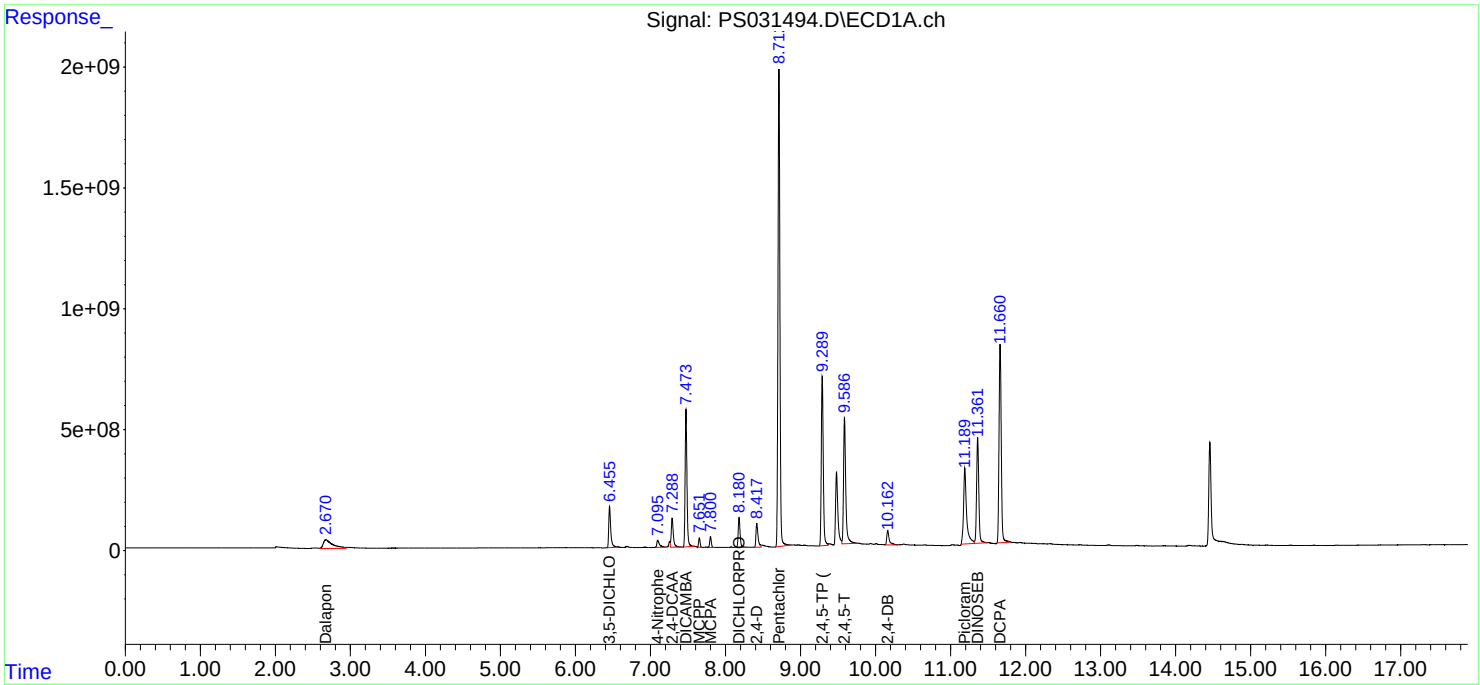
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

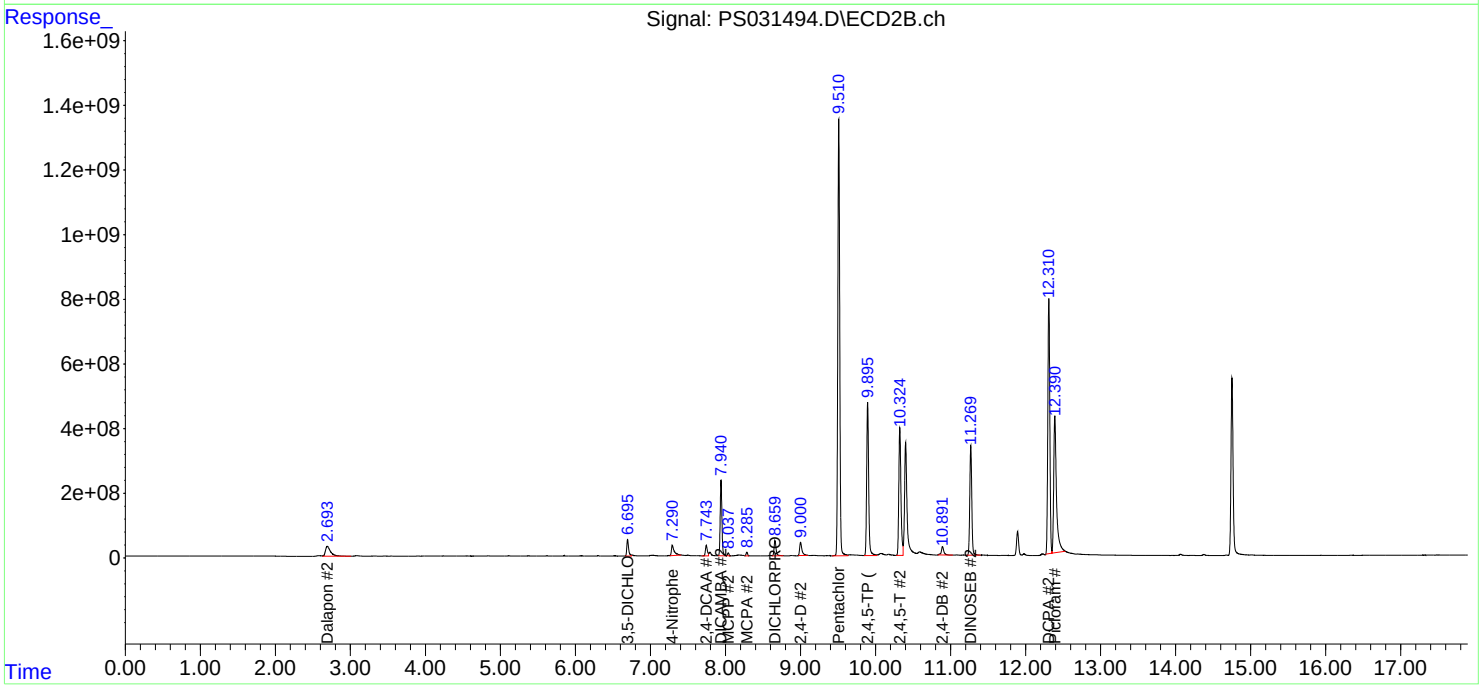
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:09
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

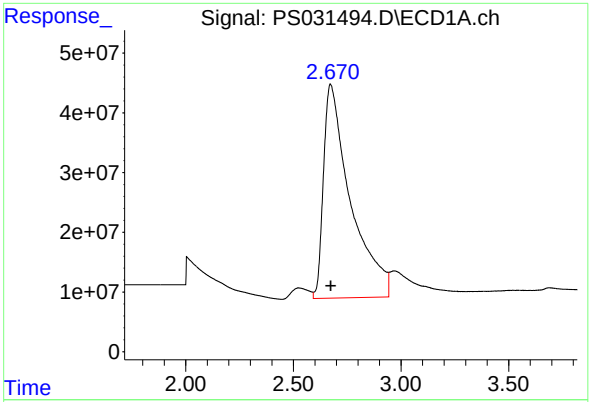
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



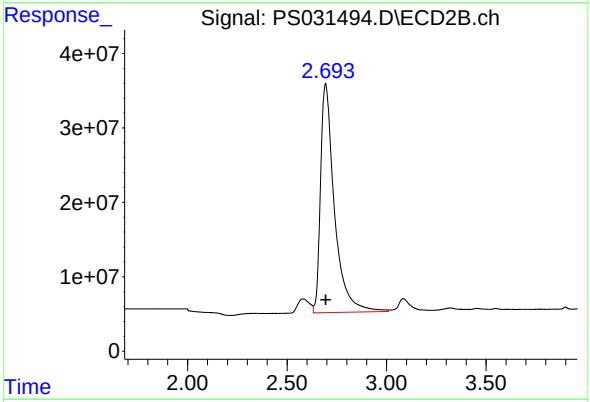




#1 Dalapon

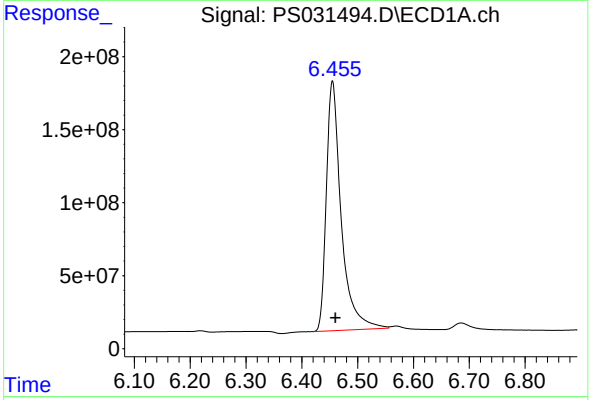
R.T.: 2.671 min
Delta R.T.: -0.003 min
Response: 3115685675
Conc: 593.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



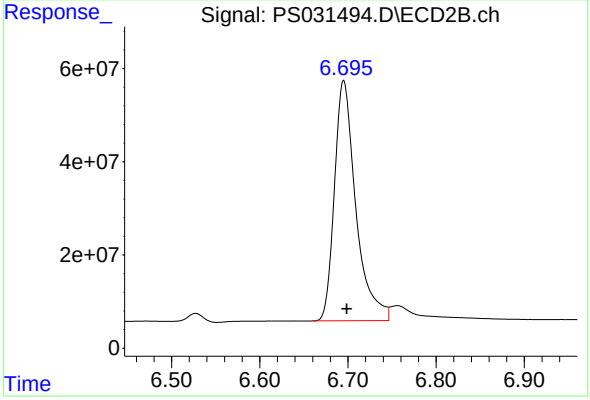
#1 Dalapon

R.T.: 2.693 min
Delta R.T.: -0.001 min
Response: 1497332456
Conc: 562.69 ng/ml



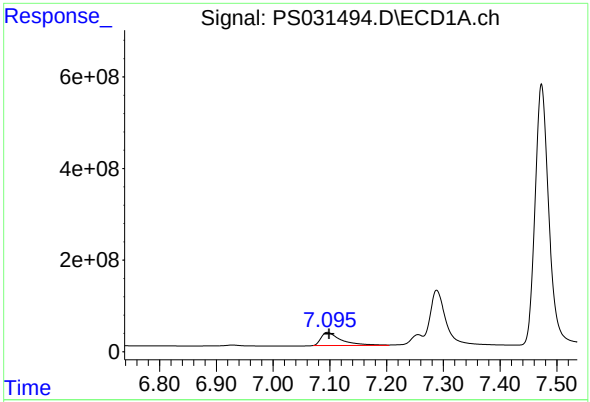
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.455 min
Delta R.T.: -0.006 min
Response: 3166356351
Conc: 671.08 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

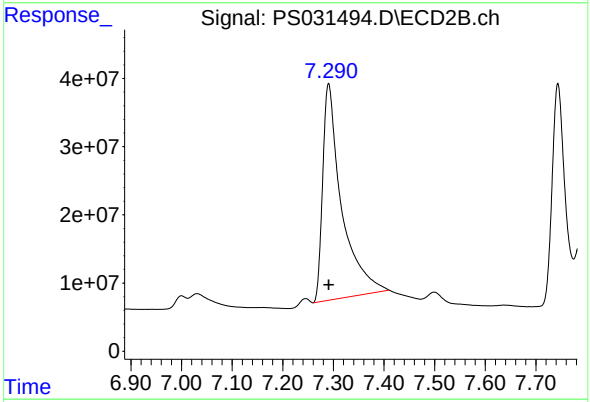
R.T.: 6.695 min
Delta R.T.: -0.004 min
Response: 869269467
Conc: 642.98 ng/ml



#3 4-Nitrophenol

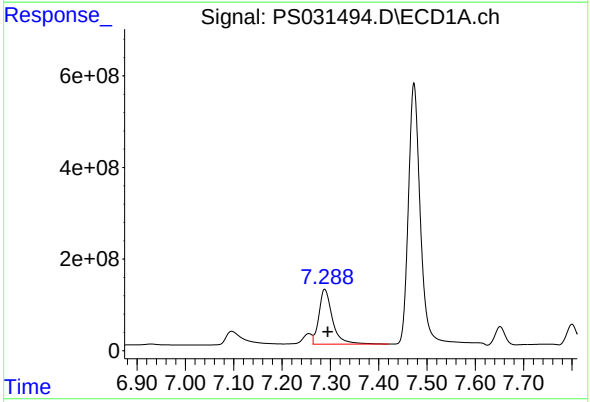
R.T.: 7.096 min
Delta R.T.: -0.003 min
Response: 712000429
Conc: 690.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



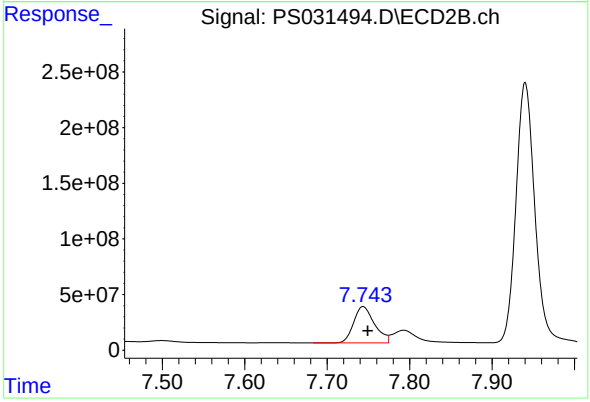
#3 4-Nitrophenol

R.T.: 7.291 min
Delta R.T.: 0.000 min
Response: 824148446
Conc: 655.70 ng/ml



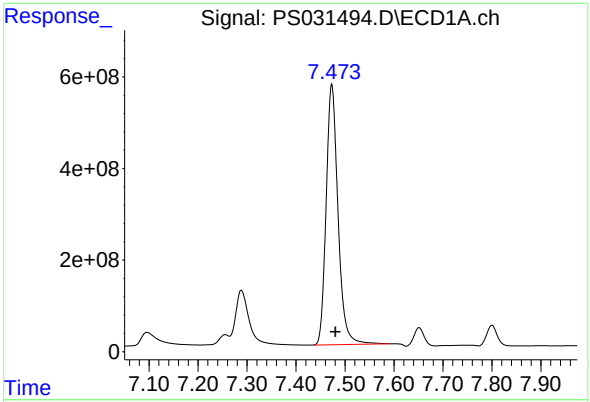
#4 2,4-DCAA

R.T.: 7.288 min
Delta R.T.: -0.007 min
Response: 2320501356
Conc: 731.10 ng/ml



#4 2,4-DCAA

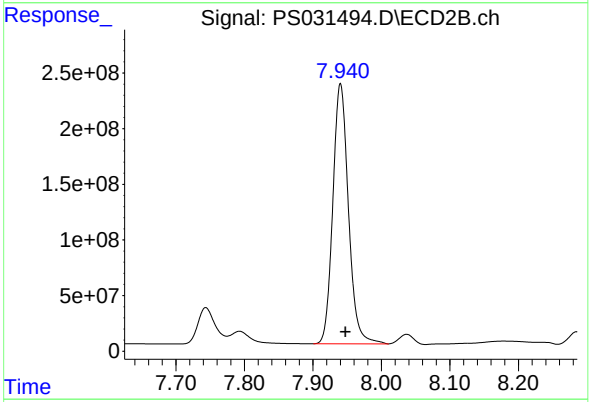
R.T.: 7.744 min
Delta R.T.: -0.006 min
Response: 575473554
Conc: 680.76 ng/ml



#5 DICAMBA

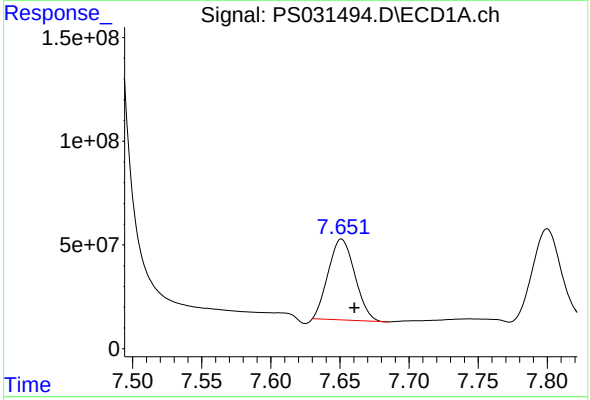
R.T.: 7.473 min
Delta R.T.: -0.008 min
Response: 9569259537
Conc: 685.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



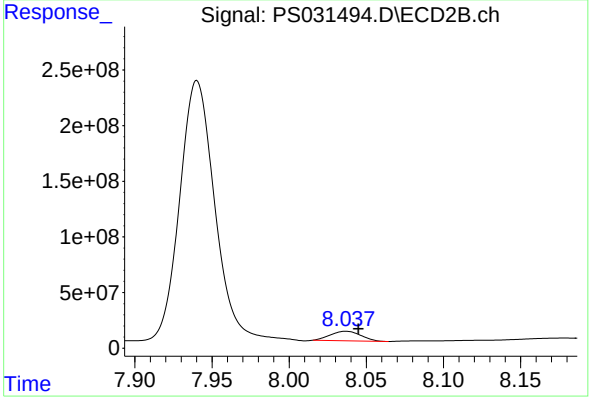
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: -0.007 min
Response: 3705465504
Conc: 652.06 ng/ml



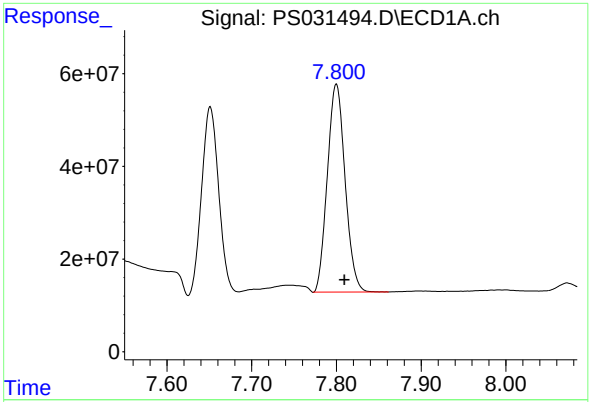
#6 MCPP

R.T.: 7.651 min
Delta R.T.: -0.009 min
Response: 521820566
Conc: 64.86 ug/ml



#6 MCPP

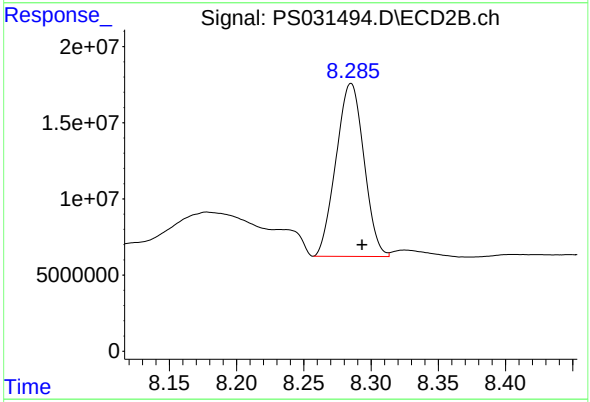
R.T.: 8.037 min
Delta R.T.: -0.008 min
Response: 117637779
Conc: 66.54 ug/ml



#7 MCPA

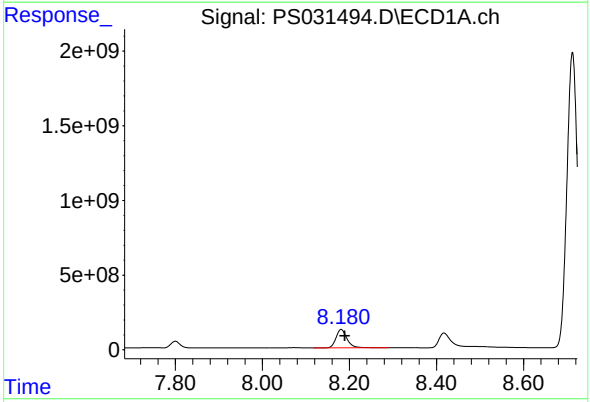
R.T.: 7.800 min
Delta R.T.: -0.009 min
Response: 653480899
Conc: 65.60 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



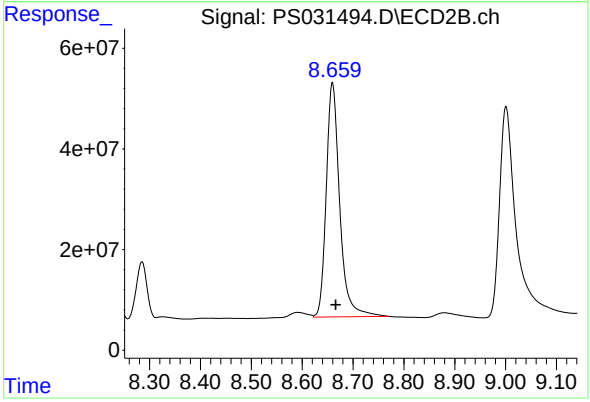
#7 MCPA

R.T.: 8.285 min
Delta R.T.: -0.008 min
Response: 163625487
Conc: 58.32 ug/ml



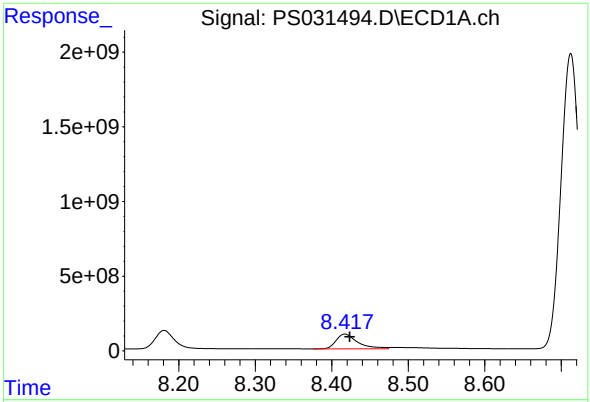
#8 DICHLORPROP

R.T.: 8.181 min
Delta R.T.: -0.009 min
Response: 2147248479
Conc: 676.85 ng/ml



#8 DICHLORPROP

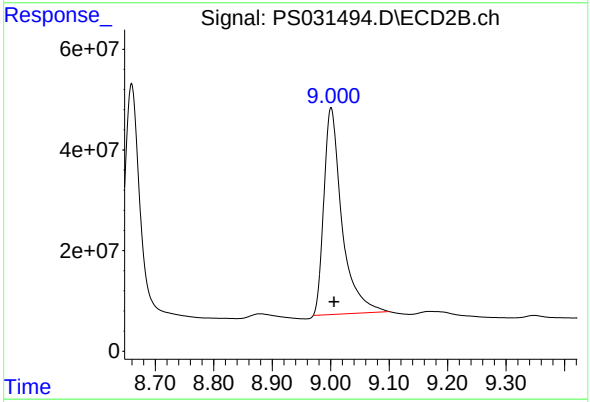
R.T.: 8.659 min
Delta R.T.: -0.007 min
Response: 857242657
Conc: 642.11 ng/ml



#9 2,4-D

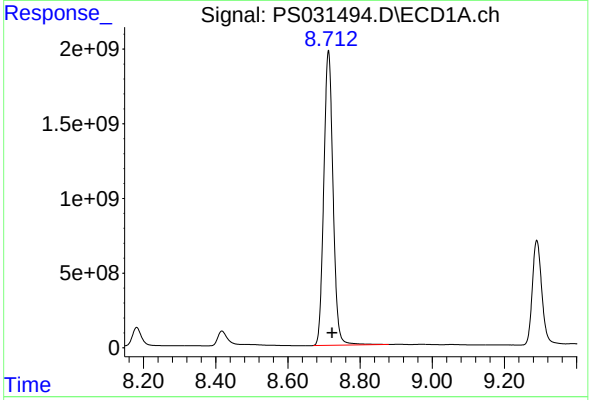
R.T.: 8.417 min
Delta R.T.: -0.007 min
Response: 1943636806
Conc: 675.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



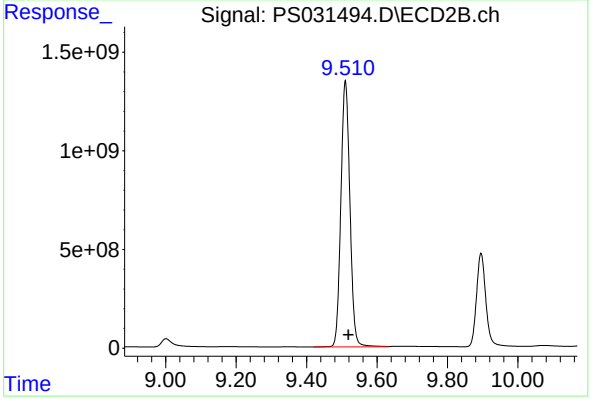
#9 2,4-D

R.T.: 9.001 min
Delta R.T.: -0.005 min
Response: 882943979
Conc: 618.62 ng/ml



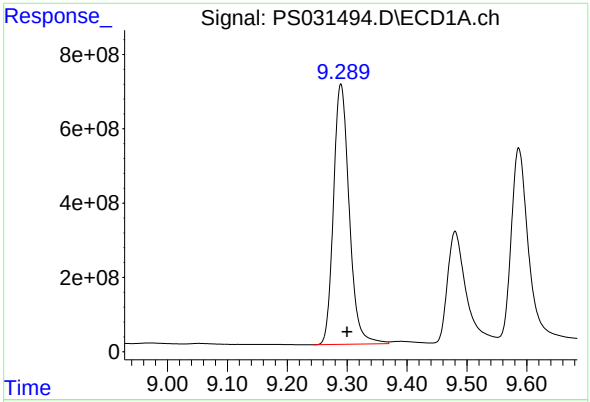
#10 Pentachlorophenol

R.T.: 8.712 min
Delta R.T.: -0.010 min
Response: 35115746555
Conc: 731.39 ng/ml



#10 Pentachlorophenol

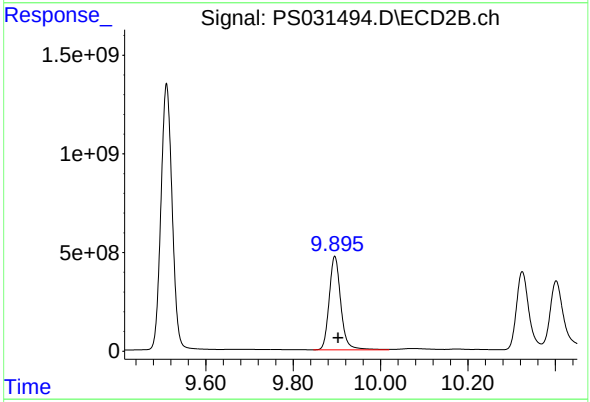
R.T.: 9.510 min
Delta R.T.: -0.008 min
Response: 24025247644
Conc: 689.82 ng/ml



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

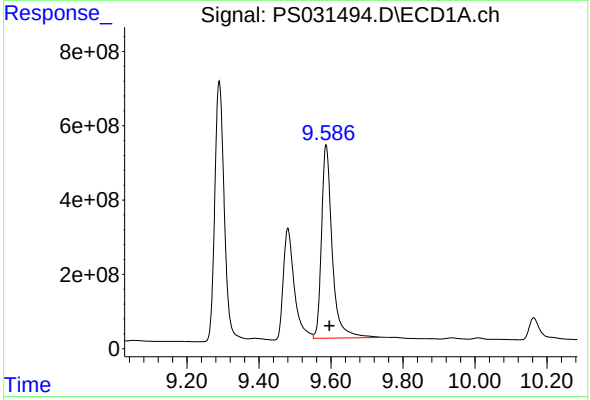
R.T.: 9.290 min
Delta R.T.: -0.011 min
Response: 12787032573
Conc: 713.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



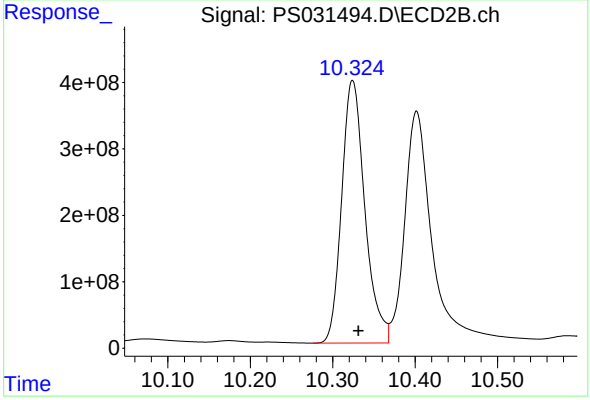
#11 2,4,5-TP (SILVEX)

R.T.: 9.895 min
Delta R.T.: -0.008 min
Response: 8764137889
Conc: 668.20 ng/ml



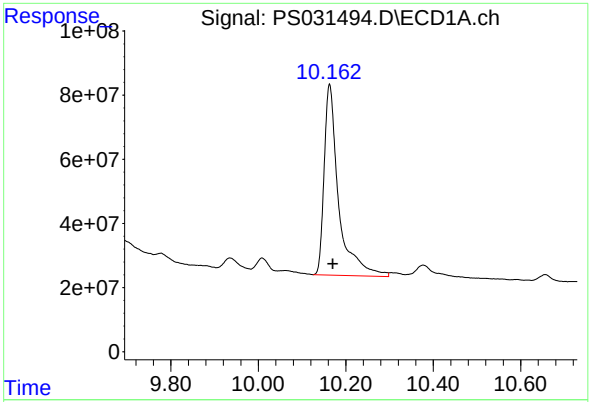
#12 2,4,5-T

R.T.: 9.586 min
Delta R.T.: -0.009 min
Response: 10711334225
Conc: 731.09 ng/ml



#12 2,4,5-T

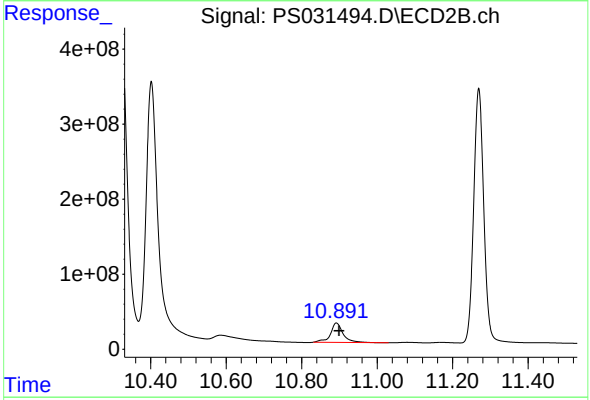
R.T.: 10.324 min
Delta R.T.: -0.007 min
Response: 7745239506
Conc: 654.17 ng/ml



#13 2,4-DB

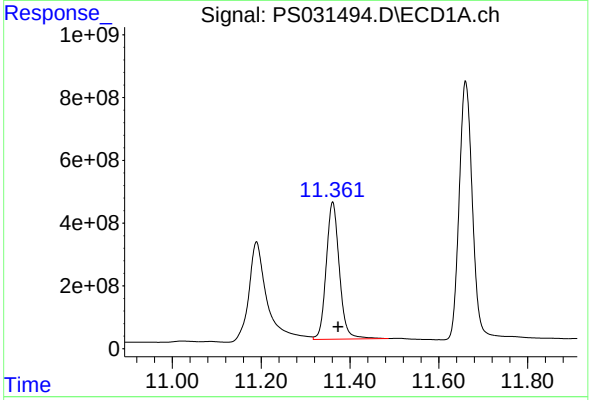
R.T.: 10.163 min
Delta R.T.: -0.007 min
Response: 1368924423
Conc: 712.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



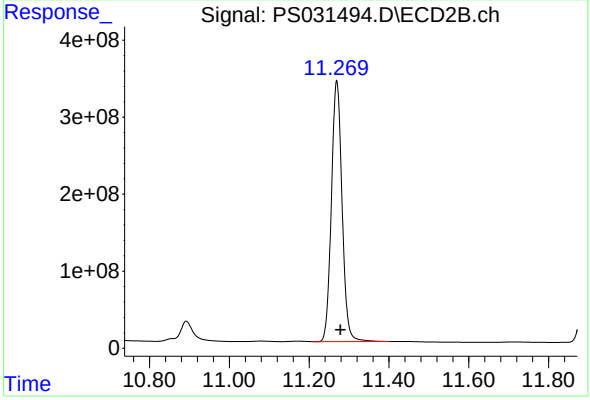
#13 2,4-DB

R.T.: 10.892 min
Delta R.T.: -0.007 min
Response: 601457967
Conc: 623.37 ng/ml



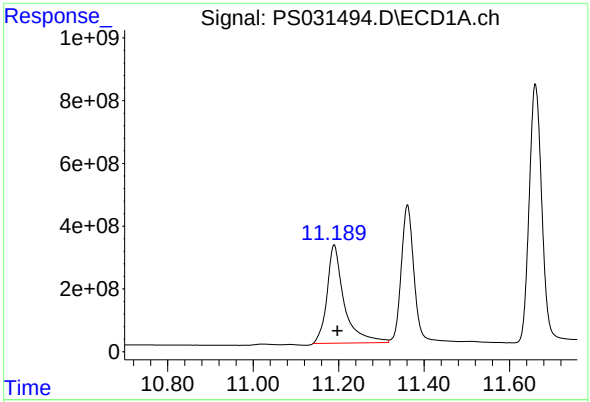
#14 DINOSEB

R.T.: 11.361 min
Delta R.T.: -0.012 min
Response: 8993806537
Conc: 709.38 ng/ml



#14 DINOSEB

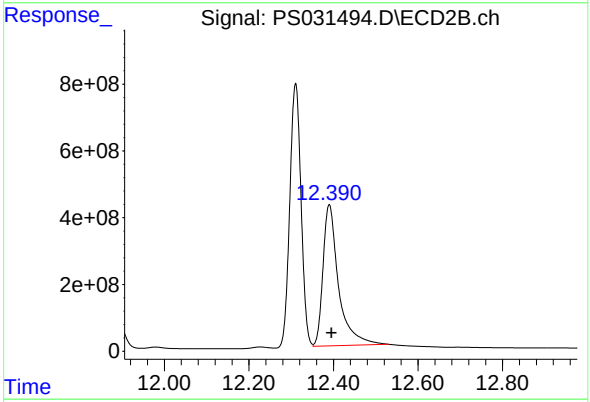
R.T.: 11.269 min
Delta R.T.: -0.009 min
Response: 6282460111
Conc: 664.32 ng/ml



#15 Picloram

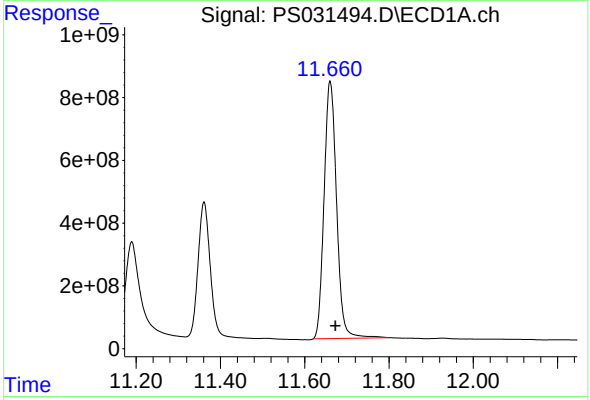
R.T.: 11.190 min
Delta R.T.: -0.008 min
Response: 8744090762
Conc: 669.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



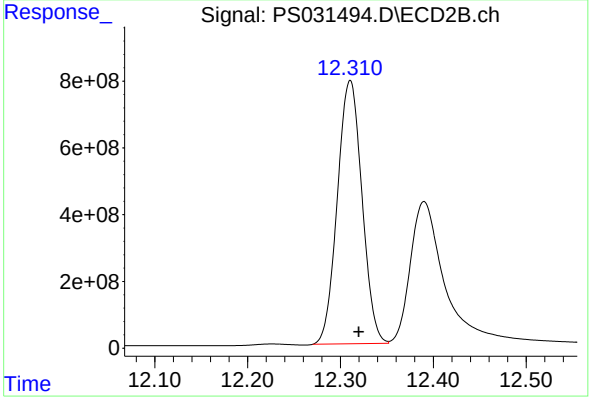
#15 Picloram

R.T.: 12.390 min
Delta R.T.: -0.005 min
Response: 10813481139
Conc: 616.87 ng/ml



#16 DCPA

R.T.: 11.660 min
Delta R.T.: -0.013 min
Response: 16855681470
Conc: 739.96 ng/ml



#16 DCPA

R.T.: 12.310 min
Delta R.T.: -0.009 min
Response: 14546988011
Conc: 738.41 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Continuing Calib Date: 08/19/2025 **Initial Calibration Date(s):** 08/07/2025 08/07/2025

Continuing Calib Time: 20:21 **Initial Calibration Time(s):** 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.47	7.48	7.38	7.58	0.01
2,4-DCAA	7.29	7.30	7.20	7.40	0.01
Dalapon	2.67	2.67	2.57	2.77	0.00
DICHLORPROP	8.18	8.19	8.09	8.29	0.01
2,4-D	8.41	8.42	8.32	8.52	0.01
2,4,5-TP(Silvex)	9.29	9.30	9.20	9.40	0.01
2,4,5-T	9.59	9.60	9.50	9.70	0.01
2,4-DB	10.16	10.17	10.07	10.27	0.01
Dinoseb	11.36	11.37	11.27	11.47	0.01

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Continuing Calib Date: 08/19/2025 **Initial Calibration Date(s):** 08/07/2025 08/07/2025

Continuing Calib Time: 20:21 **Initial Calibration Time(s):** 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.94	7.95	7.85	8.05	0.01
2,4-DCAA	7.74	7.75	7.65	7.85	0.01
Dalapon	2.69	2.70	2.60	2.80	0.01
DICHLORPROP	8.66	8.67	8.57	8.77	0.01
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.90	9.90	9.80	10.00	0.00
2,4,5-T	10.32	10.33	10.23	10.43	0.01
2,4-DB	10.89	10.90	10.80	11.00	0.01
Dinoseb	11.27	11.28	11.18	11.38	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031503.D **Time Analyzed:** 20:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.585	9.495	9.695	778.900	712.500	9.3
2,4,5-TP(Silvex)	9.290	9.200	9.400	751.080	712.500	5.4
2,4-D	8.414	8.324	8.524	758.260	705.000	7.6
2,4-DB	10.160	10.070	10.270	853.390	712.500	19.8
2,4-DCAA	7.287	7.195	7.395	757.340	750.000	1.0
Dalapon	2.674	2.574	2.774	620.730	682.500	-9.1
DICAMBA	7.473	7.381	7.581	710.460	705.000	0.8
DICHLORPROP	8.180	8.089	8.289	706.910	705.000	0.3
Dinoseb	11.362	11.273	11.473	749.210	705.000	6.3

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.:** Q2879

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/19/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031503.D **Time Analyzed:** 20:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.323	10.231	10.431	705.030	712.500	-1.0
2,4,5-TP(Silvex)	9.895	9.803	10.003	696.910	712.500	-2.2
2,4-D	8.998	8.906	9.106	627.280	705.000	-11.0
2,4-DB	10.890	10.799	10.999	660.280	712.500	-7.3
2,4-DCAA	7.742	7.649	7.849	710.850	750.000	-5.2
Dalapon	2.694	2.595	2.795	608.670	682.500	-10.8
DICAMBA	7.940	7.847	8.047	680.000	705.000	-3.5
DICHLORPROP	8.659	8.566	8.766	670.210	705.000	-4.9
Dinoseb	11.269	11.178	11.378	690.250	705.000	-2.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031503.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 20:21
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.287	7.742	2403.8E6	600.9E6	757.342	710.848
	Target Compounds						
1) T	Dalapon	2.674	2.694	3258.2E6	1619.7E6	620.728	608.669
2) T	3,5-DICHL...	6.454	6.694	3331.3E6	911.5E6	706.037	674.243
3) T	4-Nitroph...	7.091	7.286	785.9E6	885.6E6	761.786m	704.570m
5) T	DICAMBA	7.473	7.940	9922.7E6	3864.2E6	710.464	680.000
6) T	MCPP	7.652	8.037	557.4E6	107.7E6	69.283	60.895
7) T	MCPA	7.801	8.286	712.5E6	179.8E6	71.526	64.084
8) T	DICHLORPROP	8.180	8.659	2242.6E6	894.7E6	706.908	670.207
9) T	2,4-D	8.414	8.998	2181.4E6	895.3E6	758.257	627.279
10) T	Pentachlo...	8.712	9.511	36603.5E6	24952.0E6	762.376	716.426
11) T	2,4,5-TP ...	9.290	9.895	13462.1E6	9140.7E6	751.075	696.913
12) T	2,4,5-T	9.585	10.323	11411.9E6	8347.4E6	778.902	705.031
13) T	2,4-DB	10.160	10.890	1640.0E6	637.1E6	853.388	660.278
14) T	DINOSEB	11.362	11.269	9498.8E6	6527.7E6	749.206	690.254
15) T	Picloram	11.184	12.386	10926.6E6	13017.3E6	837.021m	742.584
16) T	DCPA	11.661	12.310	17473.3E6	14555.1E6	767.069	738.824m

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

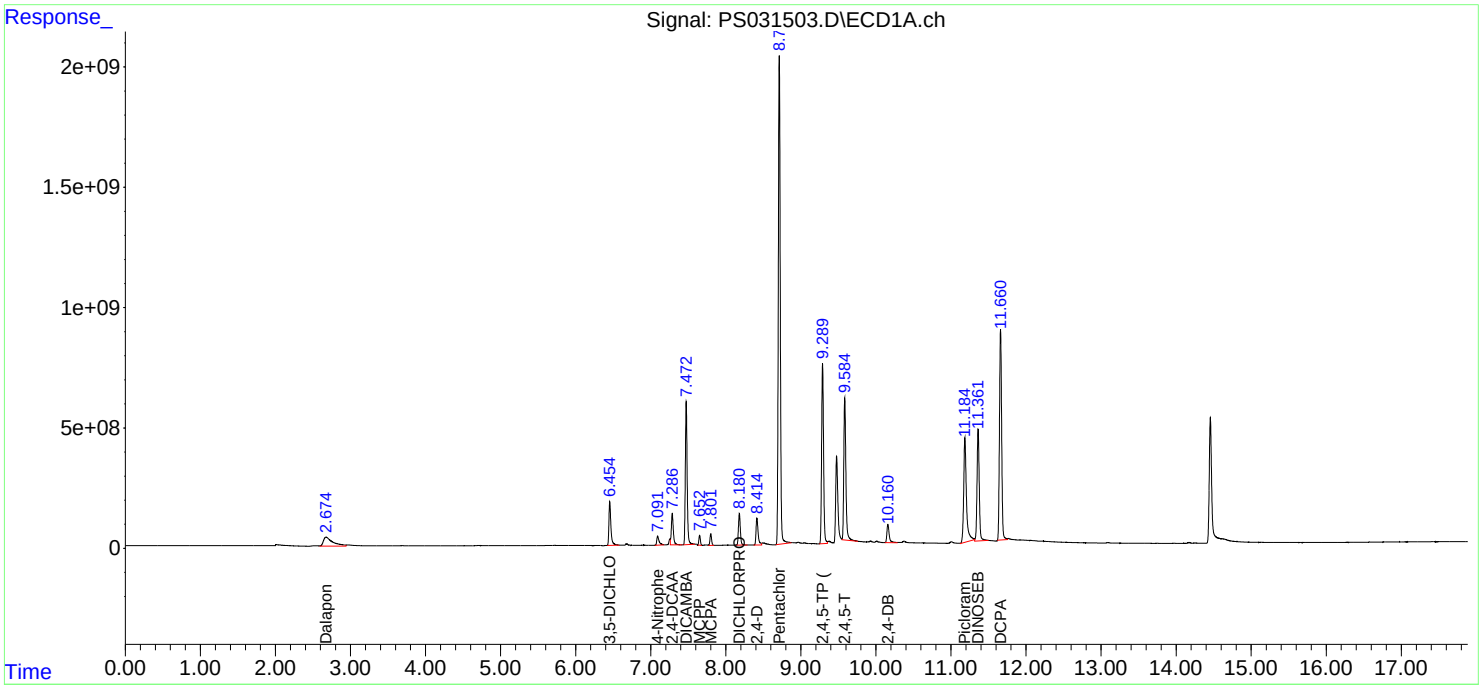
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031503.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 20:21
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

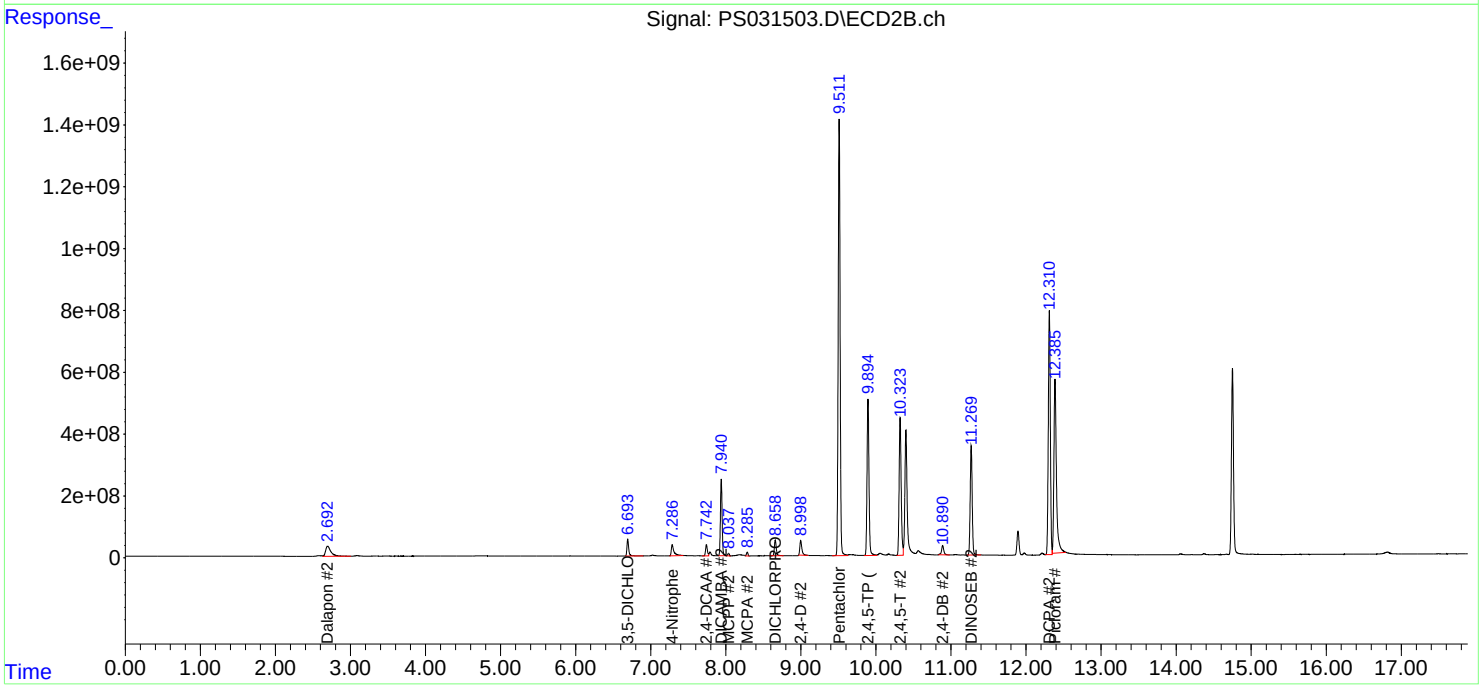
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

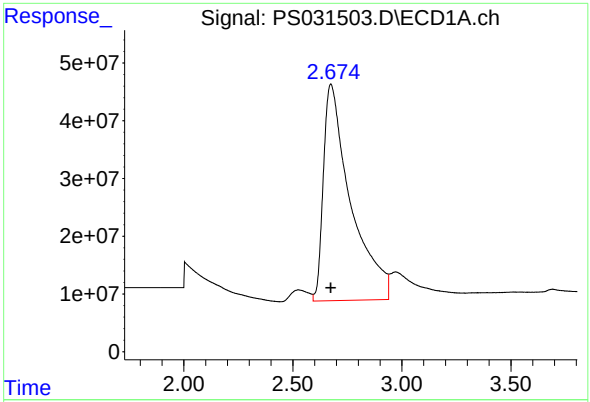
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







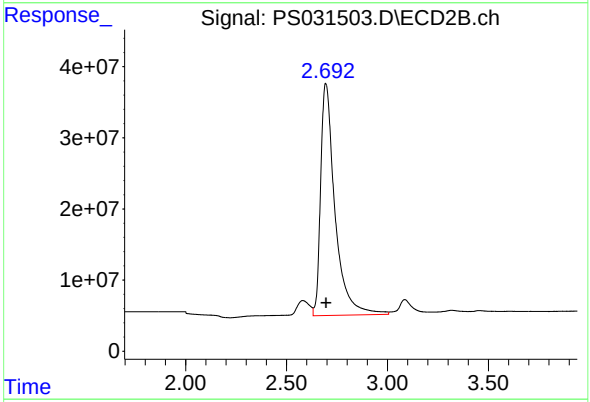
#1 Dalapon

R.T.: 2.674 min
Delta R.T.: 0.000 min
Response: 3258160006
Conc: 620.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

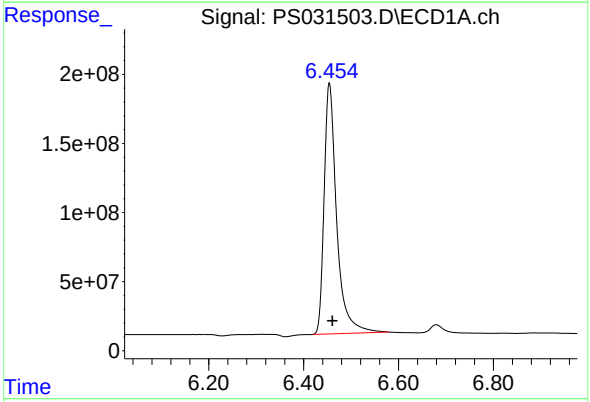
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



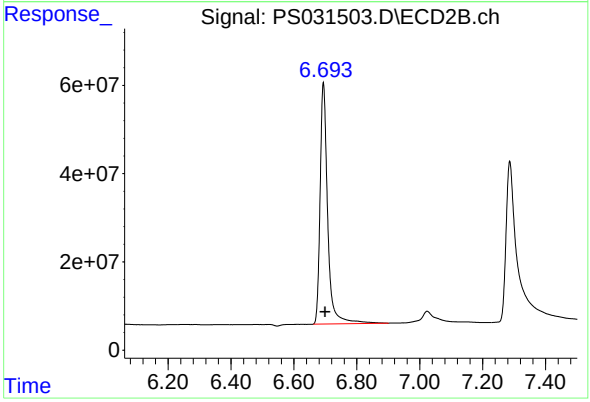
#1 Dalapon

R.T.: 2.694 min
Delta R.T.: 0.000 min
Response: 1619674975
Conc: 608.67 ng/ml



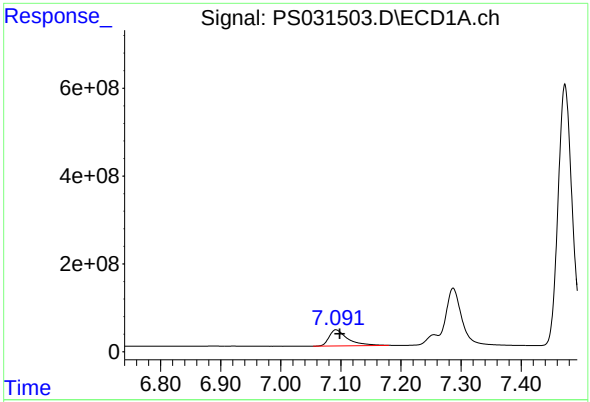
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.454 min
Delta R.T.: -0.006 min
Response: 3331304126
Conc: 706.04 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.694 min
Delta R.T.: -0.005 min
Response: 911528719
Conc: 674.24 ng/ml



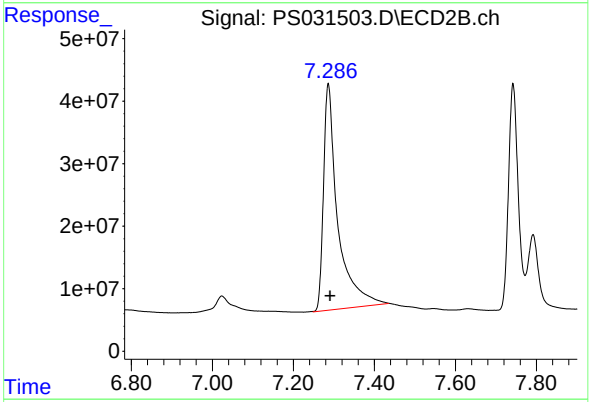
#3 4-Nitrophenol

R.T.: 7.091 min
Delta R.T.: -0.007 min
Response: 785918826
Conc: 761.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

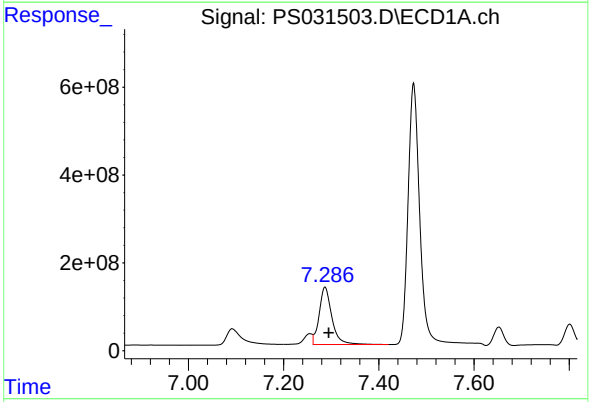
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



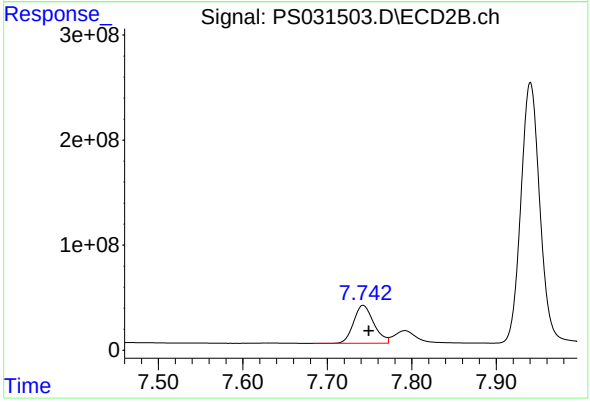
#3 4-Nitrophenol

R.T.: 7.286 min
Delta R.T.: -0.005 min
Response: 885567017
Conc: 704.57 ng/ml m



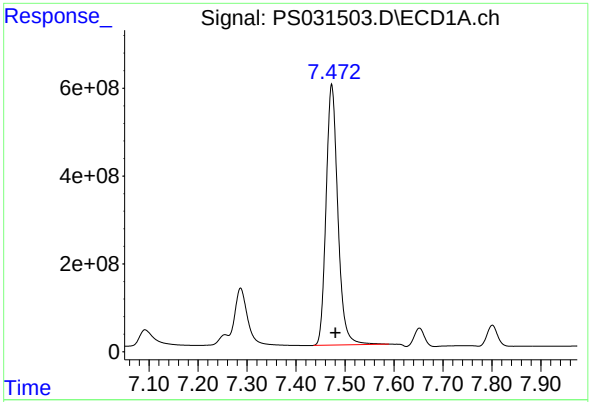
#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: -0.008 min
Response: 2403795223
Conc: 757.34 ng/ml



#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 600908283
Conc: 710.85 ng/ml



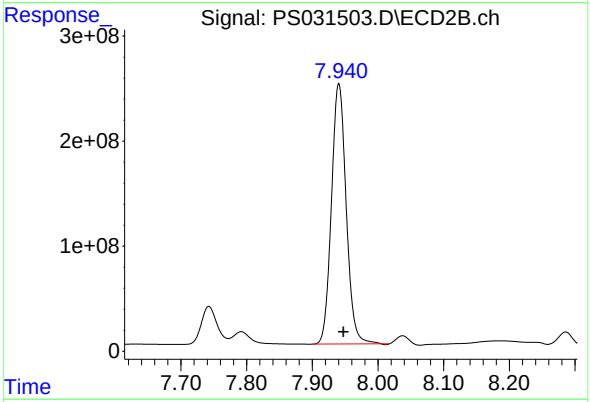
#5 DICAMBA

R.T.: 7.473 min
Delta R.T.: -0.008 min
Response: 9922667635
Conc: 710.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

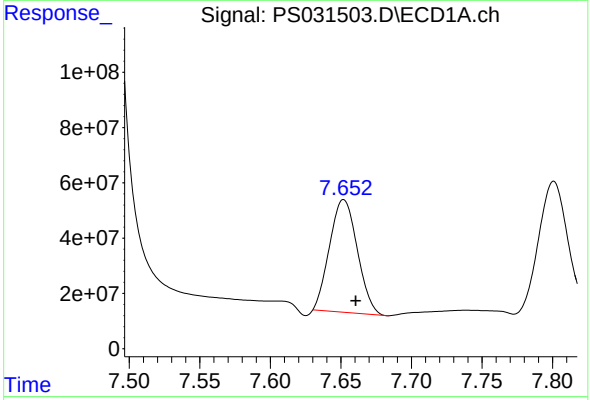
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



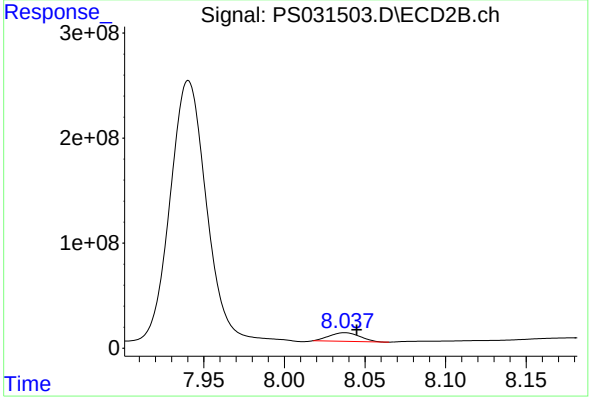
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: -0.007 min
Response: 3864226180
Conc: 680.00 ng/ml



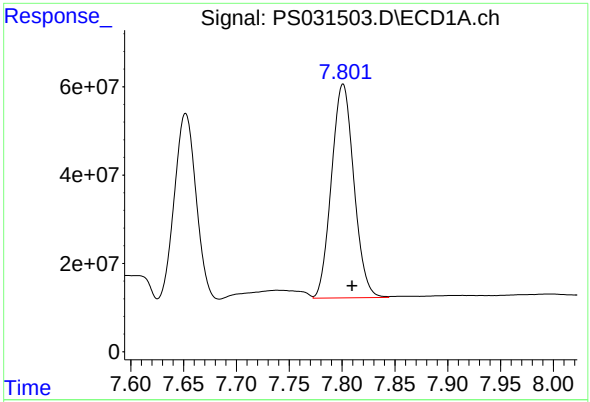
#6 MCPP

R.T.: 7.652 min
Delta R.T.: -0.009 min
Response: 557373973
Conc: 69.28 ug/ml



#6 MCPP

R.T.: 8.037 min
Delta R.T.: -0.007 min
Response: 107652086
Conc: 60.89 ug/ml



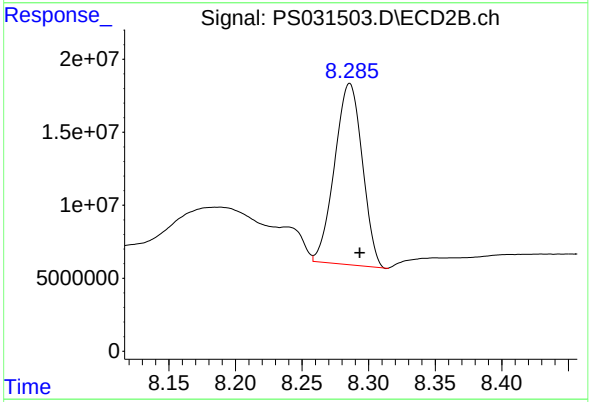
#7 MCPA

R.T.: 7.801 min
Delta R.T.: -0.008 min
Response: 712488726
Conc: 71.53 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

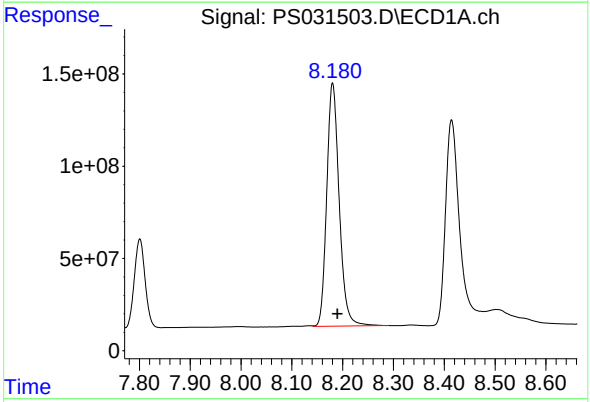
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



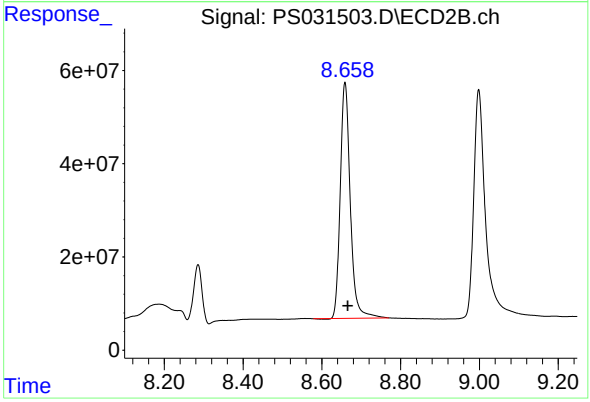
#7 MCPA

R.T.: 8.286 min
Delta R.T.: -0.008 min
Response: 179788359
Conc: 64.08 ug/ml



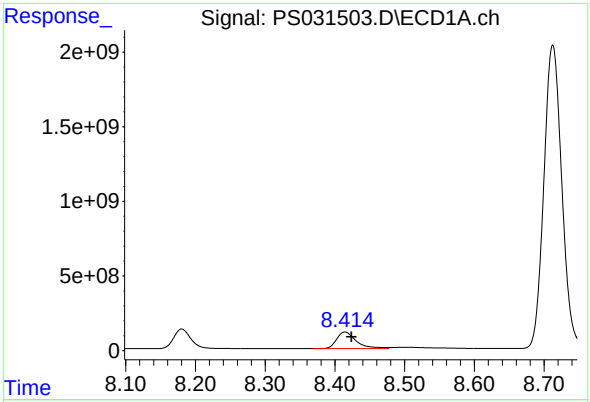
#8 DICHLORPROP

R.T.: 8.180 min
Delta R.T.: -0.009 min
Response: 2242614931
Conc: 706.91 ng/ml



#8 DICHLORPROP

R.T.: 8.659 min
Delta R.T.: -0.007 min
Response: 894748972
Conc: 670.21 ng/ml



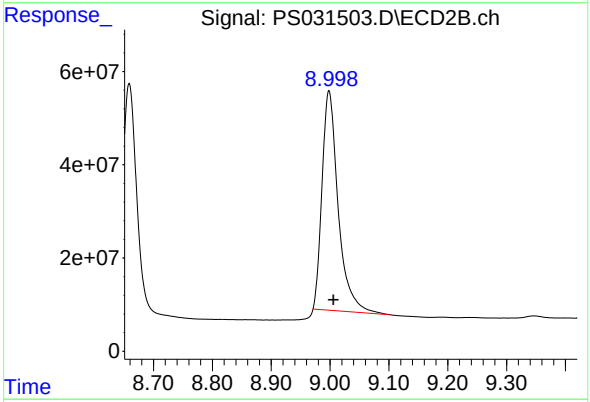
#9 2,4-D

R.T.: 8.414 min
Delta R.T.: -0.009 min
Response: 2181366029
Conc: 758.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

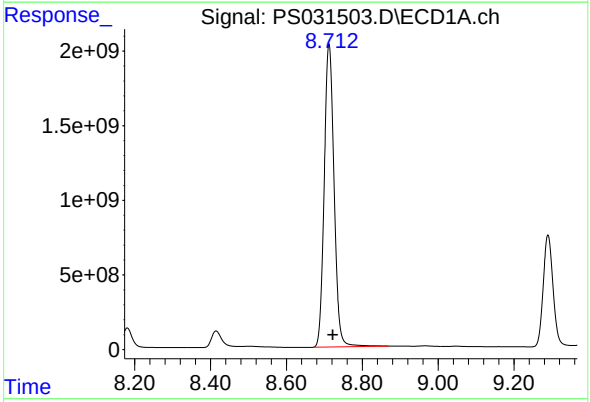
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 08/21/2025



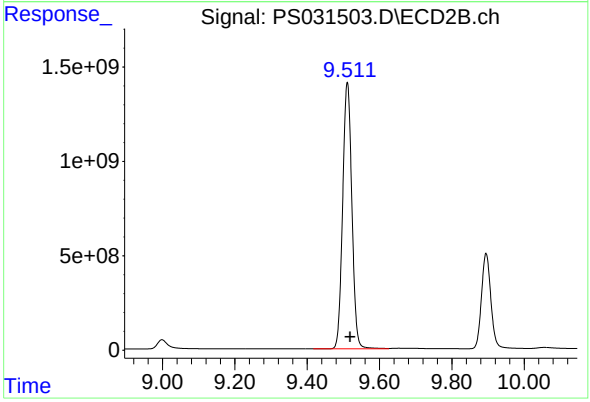
#9 2,4-D

R.T.: 8.998 min
Delta R.T.: -0.007 min
Response: 895307001
Conc: 627.28 ng/ml



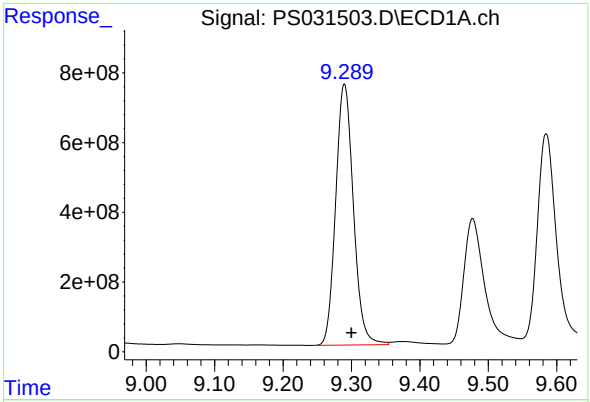
#10 Pentachlorophenol

R.T.: 8.712 min
Delta R.T.: -0.010 min
Response: 36603535786
Conc: 762.38 ng/ml



#10 Pentachlorophenol

R.T.: 9.511 min
Delta R.T.: -0.007 min
Response: 24951978507
Conc: 716.43 ng/ml



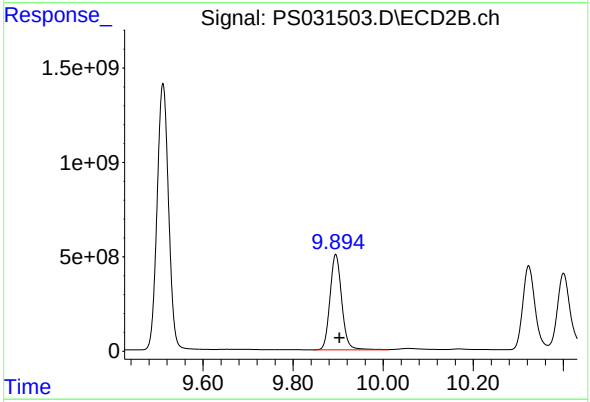
#11 2,4,5-TP (SILVEX)

R.T.: 9.290 min
Delta R.T.: -0.010 min
Response: 13462057968
Conc: 751.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

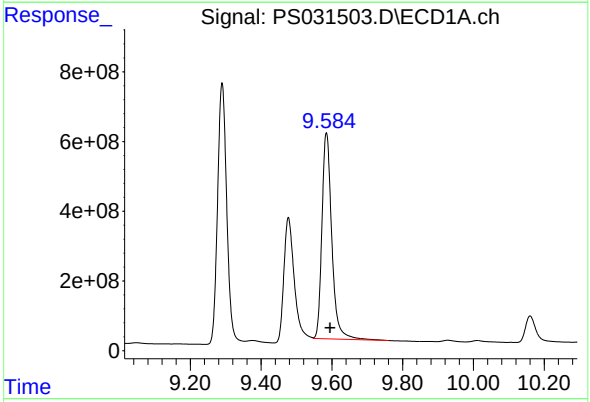
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



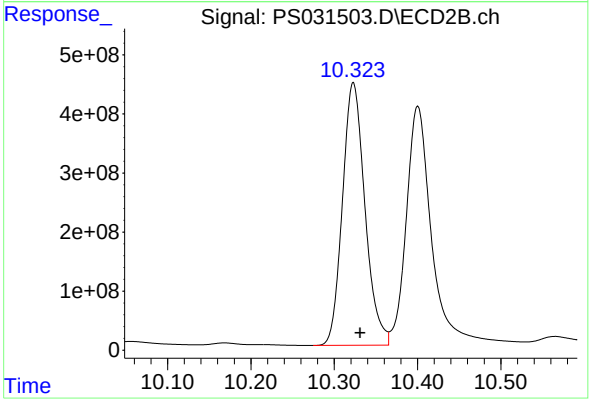
#11 2,4,5-TP (SILVEX)

R.T.: 9.895 min
Delta R.T.: -0.008 min
Response: 9140725858
Conc: 696.91 ng/ml



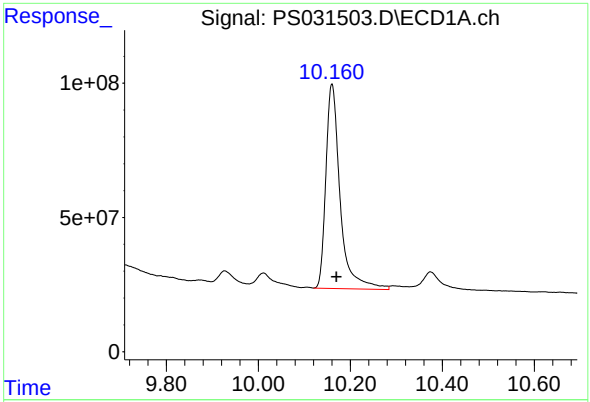
#12 2,4,5-T

R.T.: 9.585 min
Delta R.T.: -0.011 min
Response: 11411877842
Conc: 778.90 ng/ml



#12 2,4,5-T

R.T.: 10.323 min
Delta R.T.: -0.008 min
Response: 8347407025
Conc: 705.03 ng/ml



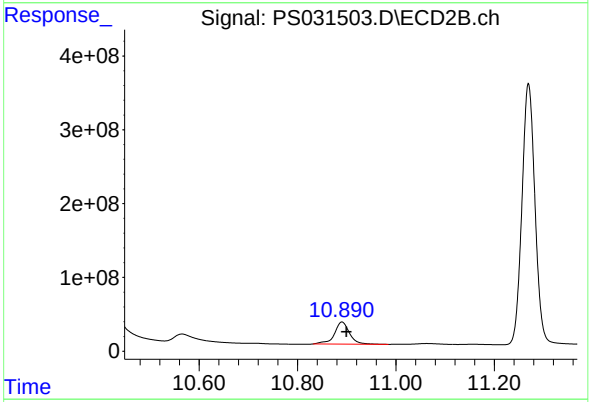
#13 2,4-DB

R.T.: 10.160 min
Delta R.T.: -0.010 min
Response: 1639974249
Conc: 853.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

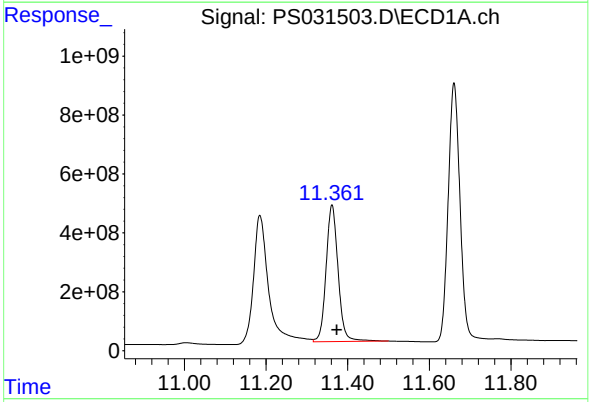
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



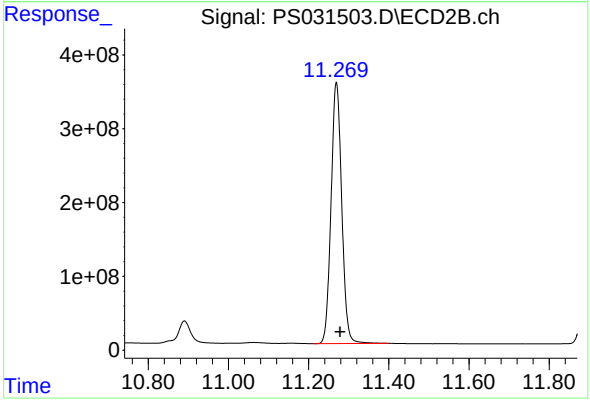
#13 2,4-DB

R.T.: 10.890 min
Delta R.T.: -0.009 min
Response: 637066700
Conc: 660.28 ng/ml



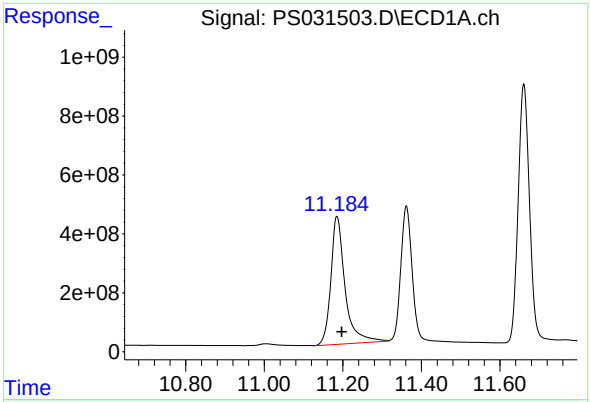
#14 DINOSEB

R.T.: 11.362 min
Delta R.T.: -0.012 min
Response: 9498794556
Conc: 749.21 ng/ml



#14 DINOSEB

R.T.: 11.269 min
Delta R.T.: -0.009 min
Response: 6527696893
Conc: 690.25 ng/ml



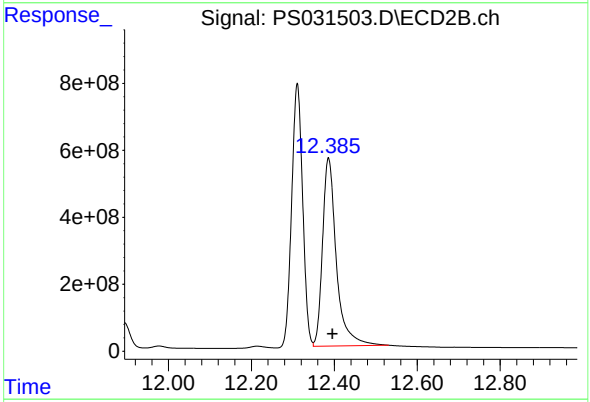
#15 Picloram

R.T.: 11.184 min
Delta R.T.: -0.013 min
Response: 10926602143
Conc: 837.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

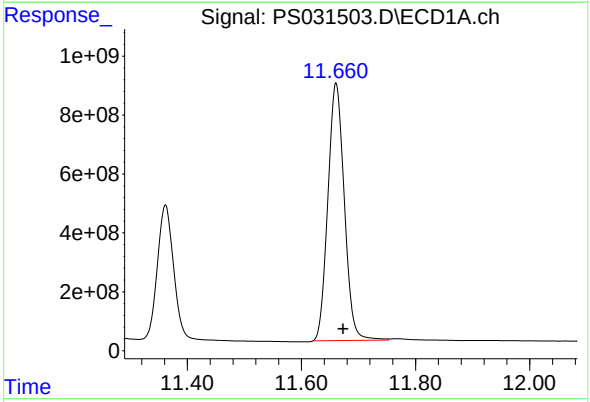
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



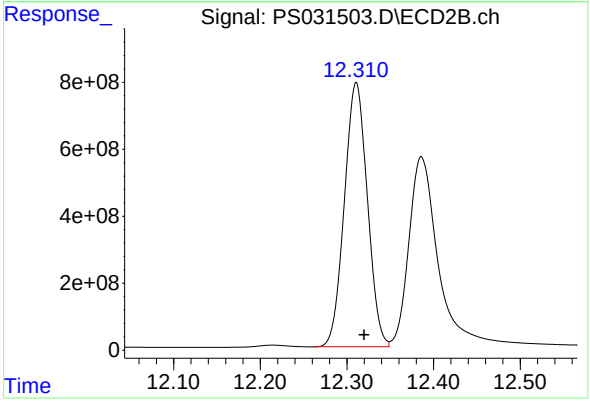
#15 Picloram

R.T.: 12.386 min
Delta R.T.: -0.009 min
Response: 13017290624
Conc: 742.58 ng/ml



#16 DCPA

R.T.: 11.661 min
Delta R.T.: -0.012 min
Response: 17473315032
Conc: 767.07 ng/ml



#16 DCPA

R.T.: 12.310 min
Delta R.T.: -0.009 min
Response: 14555117194
Conc: 738.82 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Continuing Calib Date: 08/20/2025 **Initial Calibration Date(s):** 08/07/2025 08/07/2025

Continuing Calib Time: 01:10 **Initial Calibration Time(s):** 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.47	7.48	7.38	7.58	0.01
2,4-DCAA	7.29	7.30	7.20	7.40	0.01
Dalapon	2.67	2.67	2.57	2.77	0.00
DICHLORPROP	8.18	8.19	8.09	8.29	0.01
2,4-D	8.41	8.42	8.32	8.52	0.01
2,4,5-TP(Silvex)	9.29	9.30	9.20	9.40	0.01
2,4,5-T	9.58	9.60	9.50	9.70	0.02
2,4-DB	10.16	10.17	10.07	10.27	0.01
Dinoseb	11.36	11.37	11.27	11.47	0.01

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Continuing Calib Date: 08/20/2025 **Initial Calibration Date(s):** 08/07/2025 08/07/2025

Continuing Calib Time: 01:10 **Initial Calibration Time(s):** 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.94	7.95	7.85	8.05	0.01
2,4-DCAA	7.74	7.75	7.65	7.85	0.01
Dalapon	2.70	2.70	2.60	2.80	0.01
DICHLORPROP	8.66	8.67	8.57	8.77	0.01
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.89	9.90	9.80	10.00	0.01
2,4,5-T	10.32	10.33	10.23	10.43	0.01
2,4-DB	10.89	10.90	10.80	11.00	0.01
Dinoseb	11.27	11.28	11.18	11.38	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.:** Q2879

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/20/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031513.D **Time Analyzed:** 01:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.584	9.495	9.695	774.880	712.500	8.8
2,4,5-TP(Silvex)	9.289	9.200	9.400	757.530	712.500	6.3
2,4-D	8.413	8.324	8.524	763.980	705.000	8.4
2,4-DB	10.158	10.070	10.270	852.980	712.500	19.7
2,4-DCAA	7.286	7.195	7.395	759.190	750.000	1.2
Dalapon	2.672	2.574	2.774	606.950	682.500	-11.1
DICAMBA	7.472	7.381	7.581	715.380	705.000	1.5
DICHLORPROP	8.180	8.089	8.289	713.350	705.000	1.2
Dinoseb	11.360	11.273	11.473	707.640	705.000	0.4

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/20/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031513.D **Time Analyzed:** 01:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.322	10.231	10.431	723.820	712.500	1.6
2,4,5-TP(Silvex)	9.894	9.803	10.003	713.290	712.500	0.1
2,4-D	8.998	8.906	9.106	647.970	705.000	-8.1
2,4-DB	10.889	10.799	10.999	672.680	712.500	-5.6
2,4-DCAA	7.742	7.649	7.849	727.700	750.000	-3.0
Dalapon	2.695	2.595	2.795	610.970	682.500	-10.5
DICAMBA	7.940	7.847	8.047	698.840	705.000	-0.9
DICHLORPROP	8.659	8.566	8.766	690.320	705.000	-2.1
Dinoseb	11.268	11.178	11.378	653.890	705.000	-7.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031513.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 01:10
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:26:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.286	7.742	2409.7E6	615.2E6	759.193	727.703
	Target Compounds						
1) T	Dalapon	2.672	2.695	3185.9E6	1625.8E6	606.953	610.971
2) T	3,5-DICHL...	6.453	6.694	3362.5E6	926.6E6	712.650	685.419
3) T	4-Nitroph...	7.091	7.286	738.3E6	901.9E6	715.600m	717.559m
5) T	DICAMBA	7.472	7.940	9991.3E6	3971.3E6	715.378	698.840
6) T	MCPP	7.651	8.038	597.3E6	118.9E6	74.249m	67.263
7) T	MCPA	7.801	8.286	723.2E6	181.9E6	72.602	64.830
8) T	DICHLORPROP	8.180	8.659	2263.1E6	921.6E6	713.354	690.320
9) T	2,4-D	8.413	8.998	2197.8E6	924.8E6	763.983	647.969
10) T	Pentachlo...	8.712	9.510	37059.8E6	25713.9E6	771.880	738.301
11) T	2,4,5-TP ...	9.289	9.894	13577.7E6	9355.6E6	757.529	713.295
12) T	2,4,5-T	9.584	10.322	11352.9E6	8569.9E6	774.880	723.823
13) T	2,4-DB	10.158	10.889	1639.2E6	649.0E6	852.984	672.683
14) T	DINOSEB	11.360	11.268	8971.8E6	6183.8E6	707.640	653.889
15) T	Picloram	11.183	12.386	10678.6E6	13296.3E6	818.022m	758.501
16) T	DCPA	11.659	12.310	17805.3E6	15020.5E6	781.645m	762.447m

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

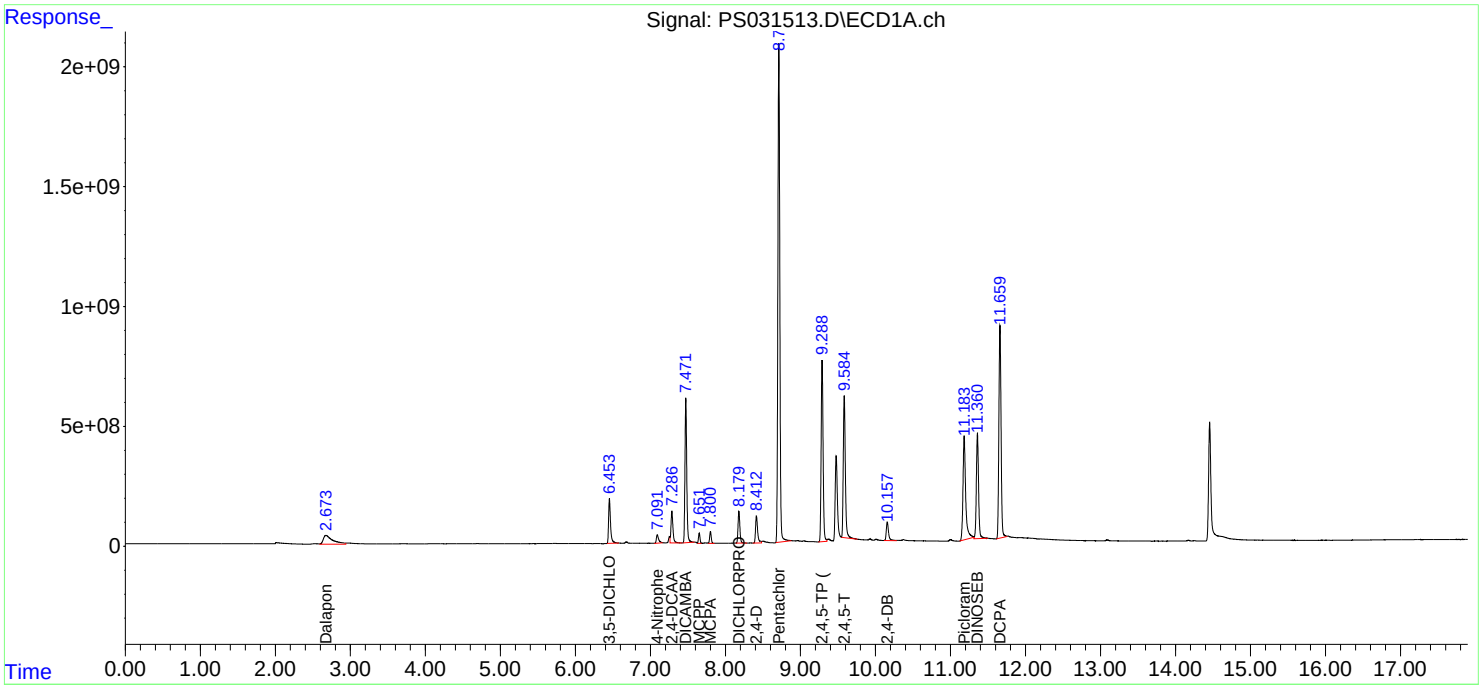
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031513.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 01:10
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

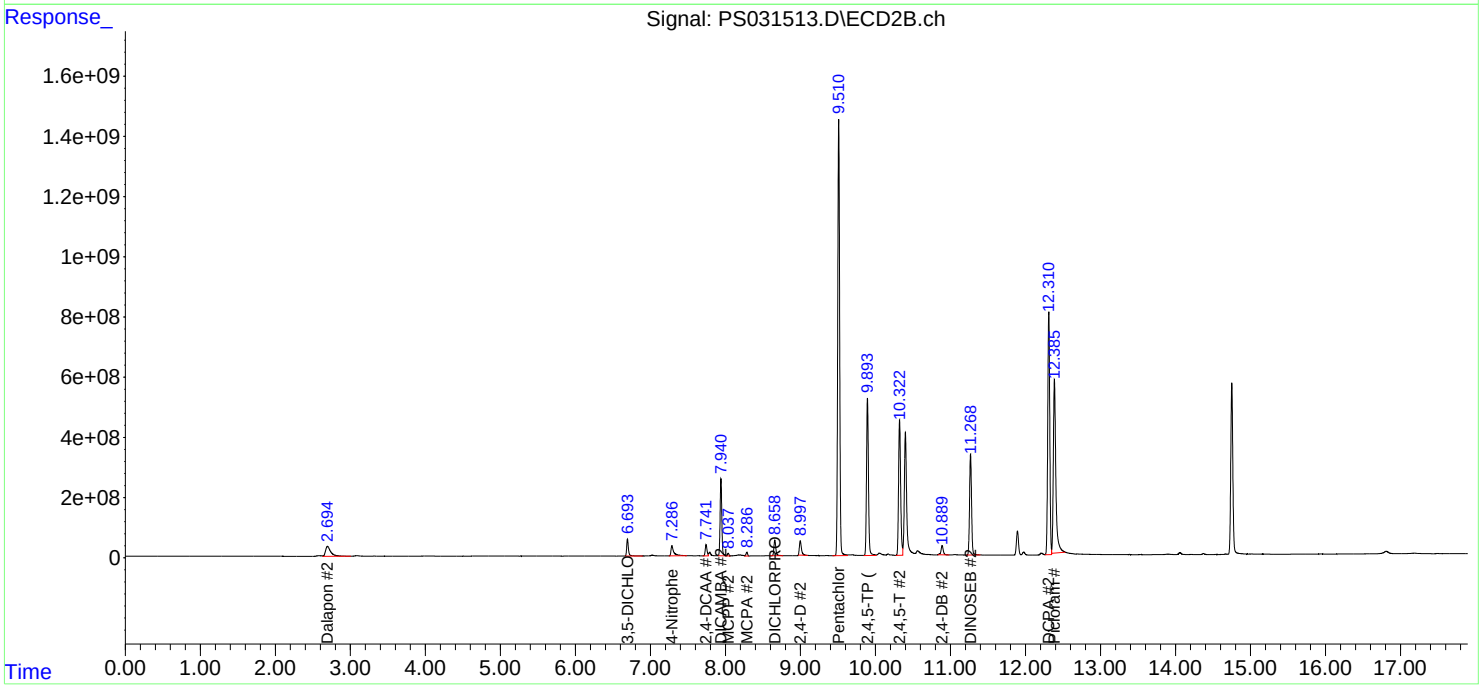
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

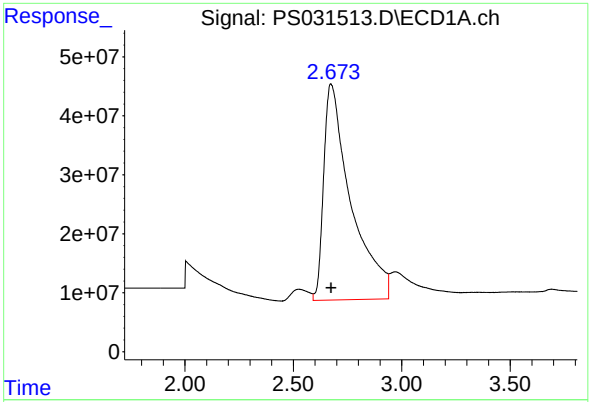
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:26:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







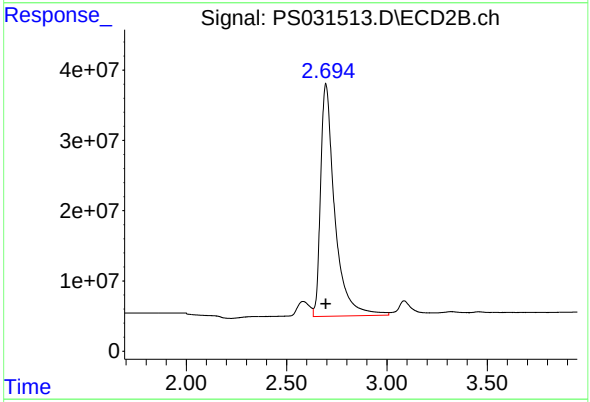
#1 Dalapon

R.T.: 2.672 min
Delta R.T.: -0.002 min
Response: 3185855949
Conc: 606.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

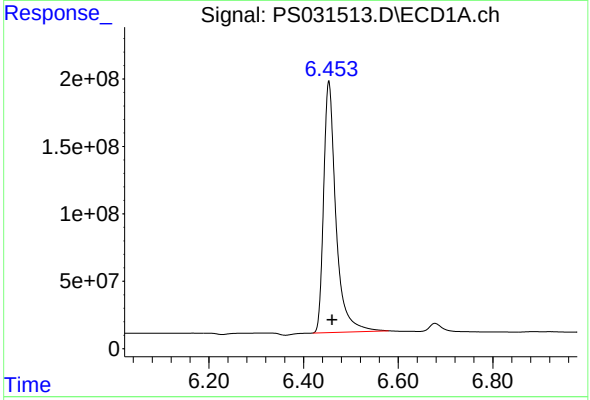
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



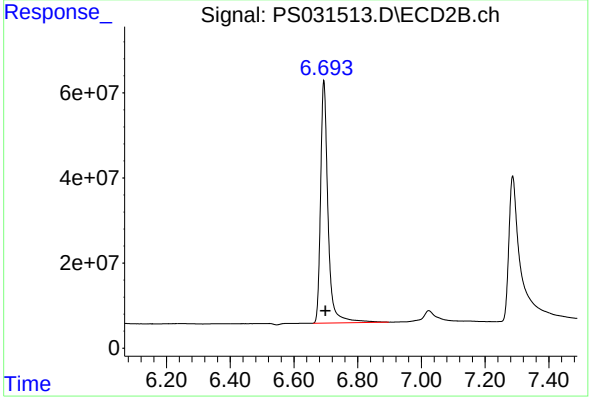
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: 0.000 min
Response: 1625801928
Conc: 610.97 ng/ml



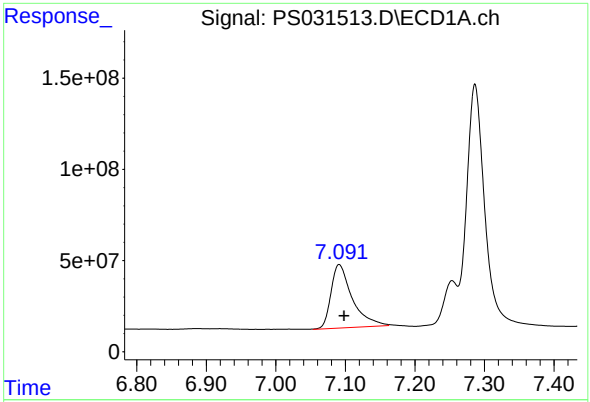
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.453 min
Delta R.T.: -0.007 min
Response: 3362505108
Conc: 712.65 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.694 min
Delta R.T.: -0.005 min
Response: 926638341
Conc: 685.42 ng/ml



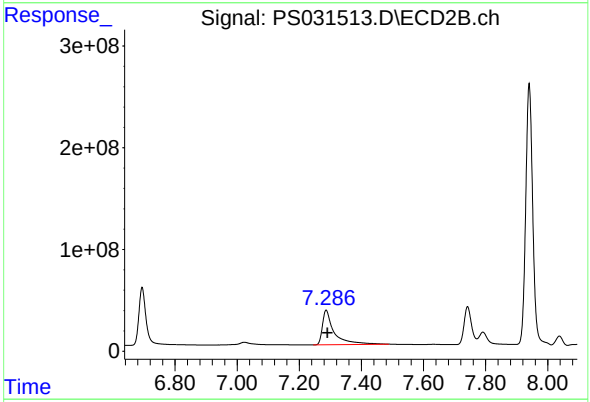
#3 4-Nitrophenol

R.T.: 7.091 min
Delta R.T.: -0.008 min
Response: 738269474
Conc: 715.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

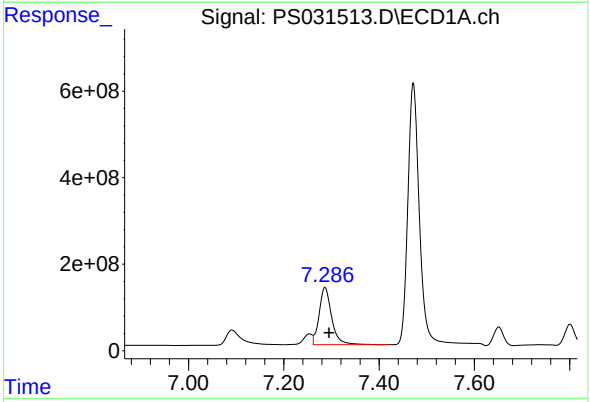
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



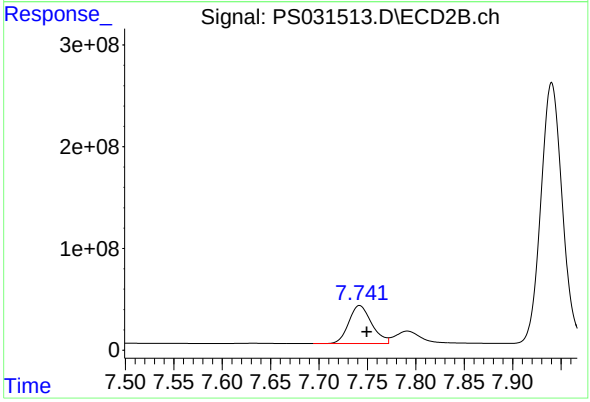
#3 4-Nitrophenol

R.T.: 7.286 min
Delta R.T.: -0.005 min
Response: 901893305
Conc: 717.56 ng/ml m



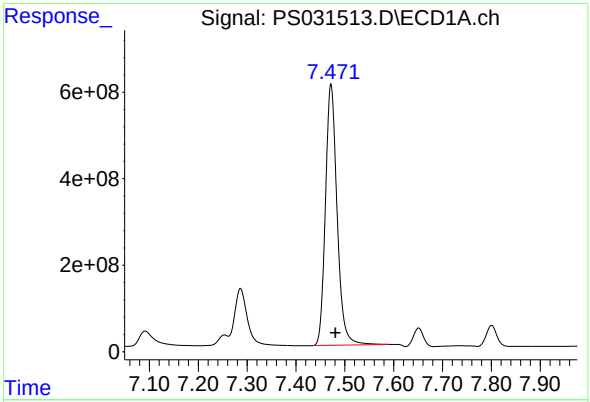
#4 2,4-DCAA

R.T.: 7.286 min
Delta R.T.: -0.009 min
Response: 2409670662
Conc: 759.19 ng/ml



#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 615156354
Conc: 727.70 ng/ml



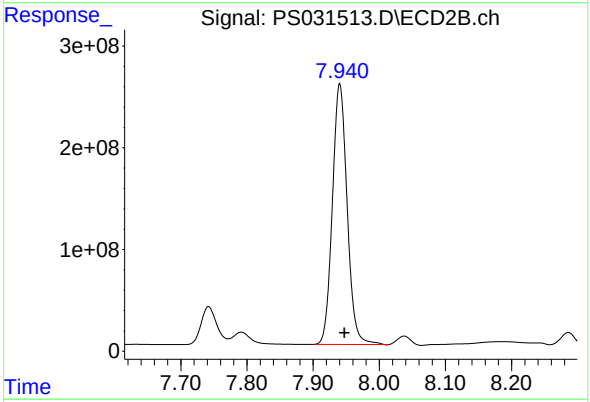
#5 DICAMBA

R.T.: 7.472 min
Delta R.T.: -0.009 min
Response: 9991305962
Conc: 715.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

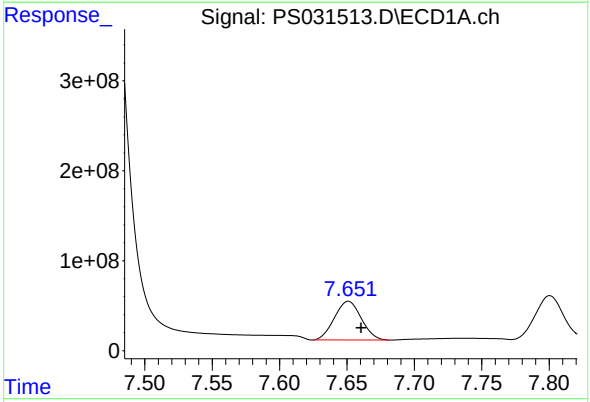
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



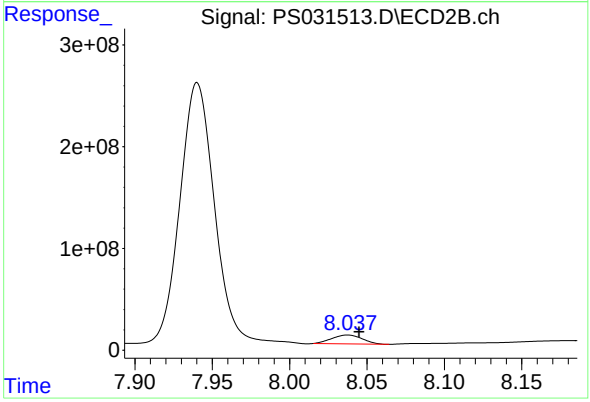
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: -0.007 min
Response: 3971293087
Conc: 698.84 ng/ml



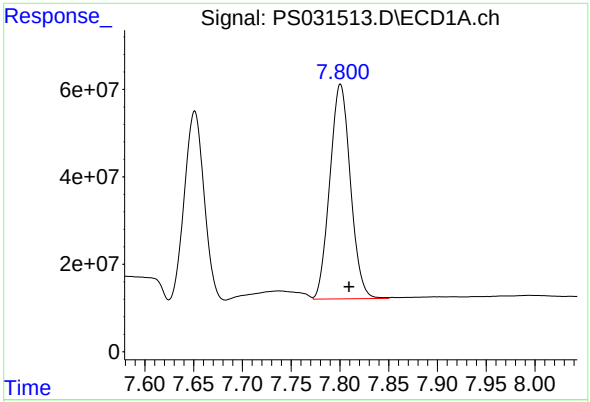
#6 MCPP

R.T.: 7.651 min
Delta R.T.: -0.010 min
Response: 597322800
Conc: 74.25 ug/ml m



#6 MCPP

R.T.: 8.038 min
Delta R.T.: -0.007 min
Response: 118909253
Conc: 67.26 ug/ml



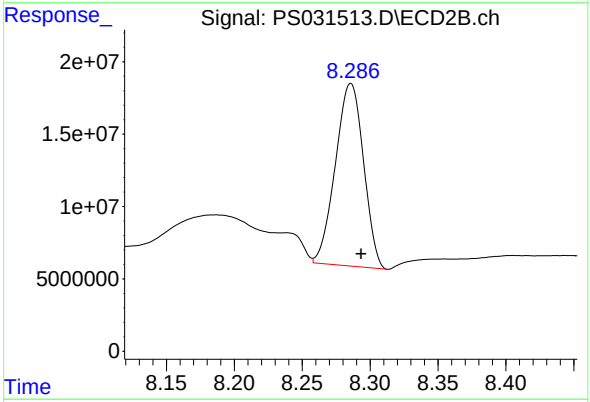
#7 MCPA

R.T.: 7.801 min
Delta R.T.: -0.009 min
Response: 723205998
Conc: 72.60 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

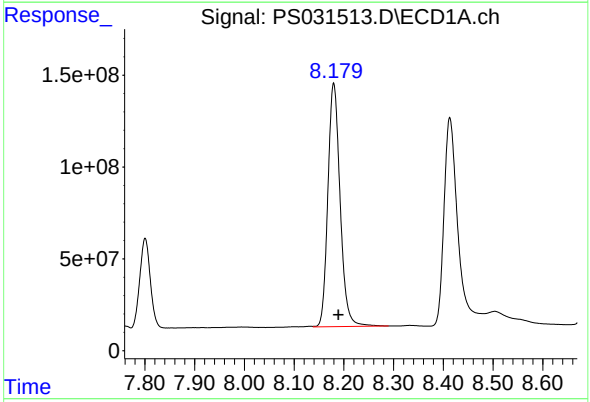
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



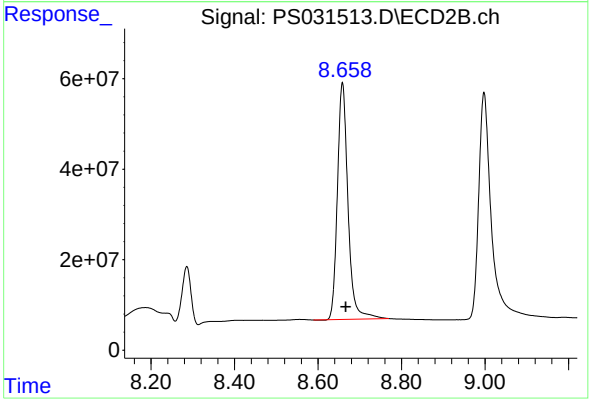
#7 MCPA

R.T.: 8.286 min
Delta R.T.: -0.008 min
Response: 181881563
Conc: 64.83 ug/ml



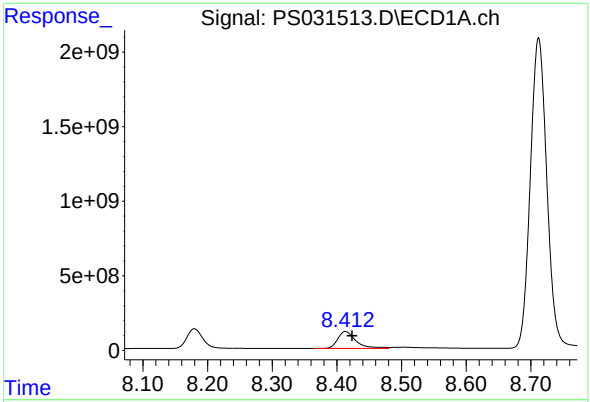
#8 DICHLORPROP

R.T.: 8.180 min
Delta R.T.: -0.010 min
Response: 2263064886
Conc: 713.35 ng/ml



#8 DICHLORPROP

R.T.: 8.659 min
Delta R.T.: -0.008 min
Response: 921599762
Conc: 690.32 ng/ml



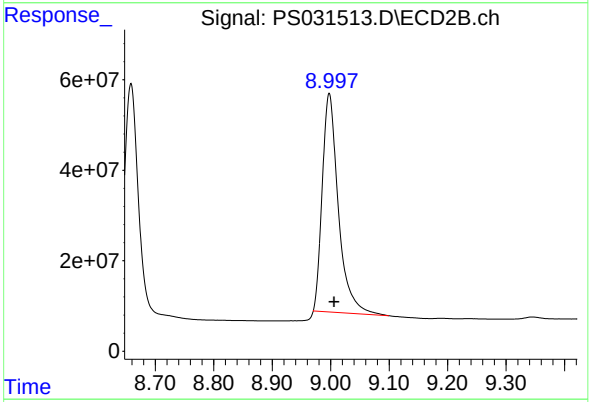
#9 2,4-D

R.T.: 8.413 min
Delta R.T.: -0.011 min
Response: 2197837939
Conc: 763.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

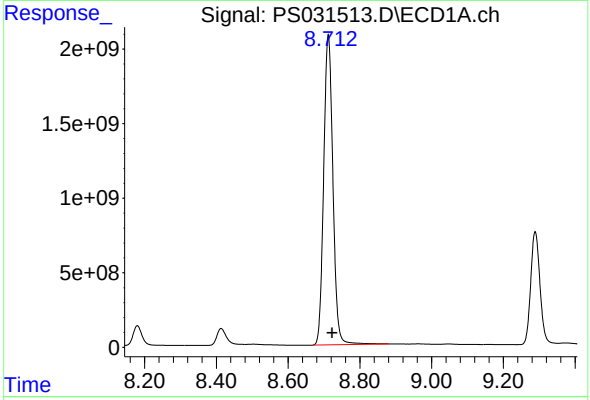
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



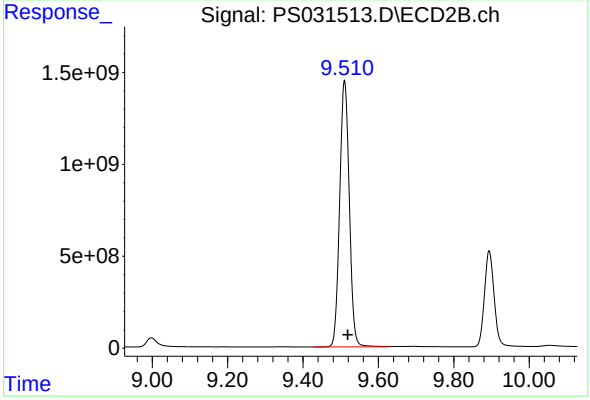
#9 2,4-D

R.T.: 8.998 min
Delta R.T.: -0.008 min
Response: 924837698
Conc: 647.97 ng/ml



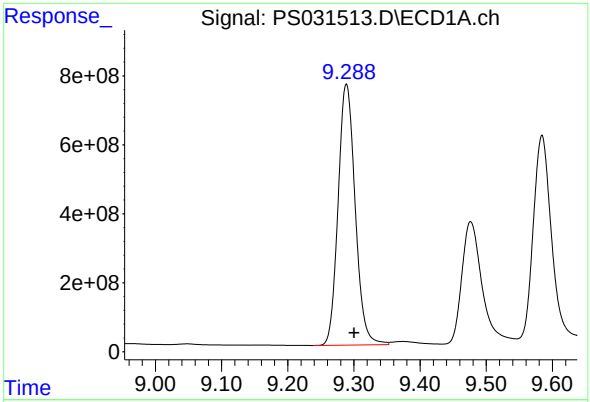
#10 Pentachlorophenol

R.T.: 8.712 min
Delta R.T.: -0.010 min
Response: 37059821555
Conc: 771.88 ng/ml



#10 Pentachlorophenol

R.T.: 9.510 min
Delta R.T.: -0.008 min
Response: 25713859675
Conc: 738.30 ng/ml



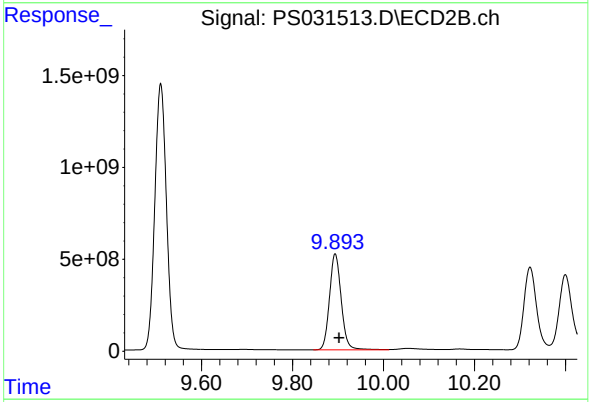
#11 2,4,5-TP (SILVEX)

R.T.: 9.289 min
Delta R.T.: -0.011 min
Response: 13577724138
Conc: 757.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

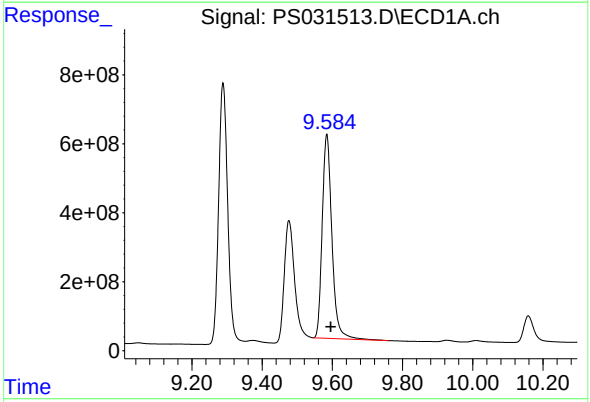
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



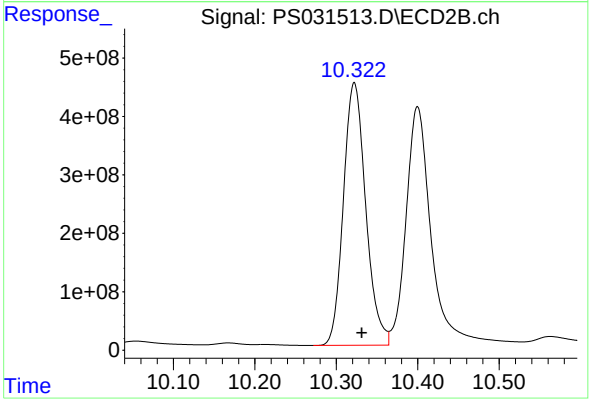
#11 2,4,5-TP (SILVEX)

R.T.: 9.894 min
Delta R.T.: -0.009 min
Response: 9355594121
Conc: 713.29 ng/ml



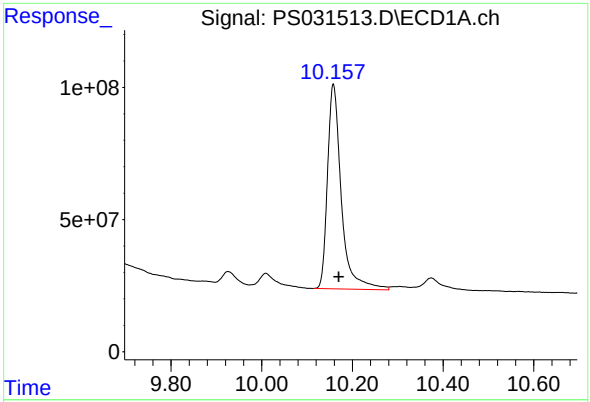
#12 2,4,5-T

R.T.: 9.584 min
Delta R.T.: -0.011 min
Response: 11352940185
Conc: 774.88 ng/ml



#12 2,4,5-T

R.T.: 10.322 min
Delta R.T.: -0.009 min
Response: 8569895855
Conc: 723.82 ng/ml



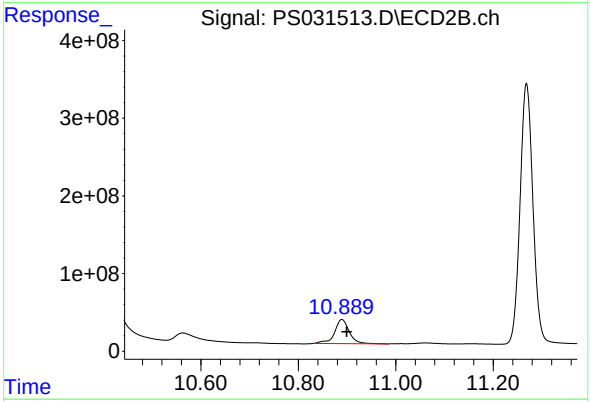
#13 2,4-DB

R.T.: 10.158 min
Delta R.T.: -0.012 min
Response: 1639197540
Conc: 852.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

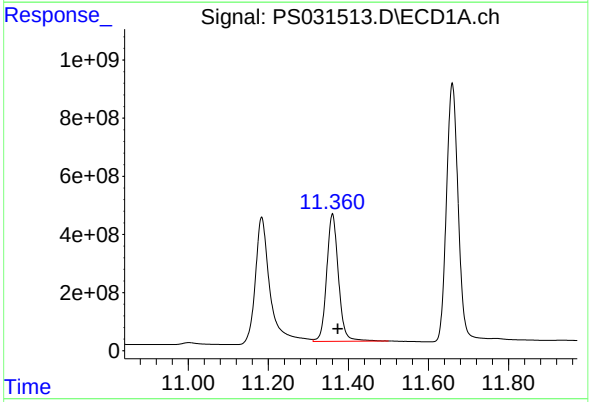
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



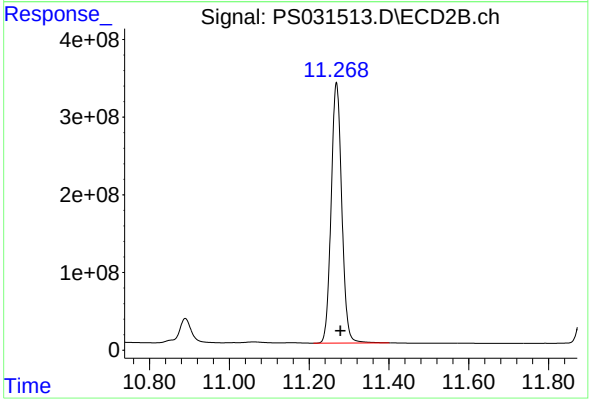
#13 2,4-DB

R.T.: 10.889 min
Delta R.T.: -0.010 min
Response: 649035180
Conc: 672.68 ng/ml



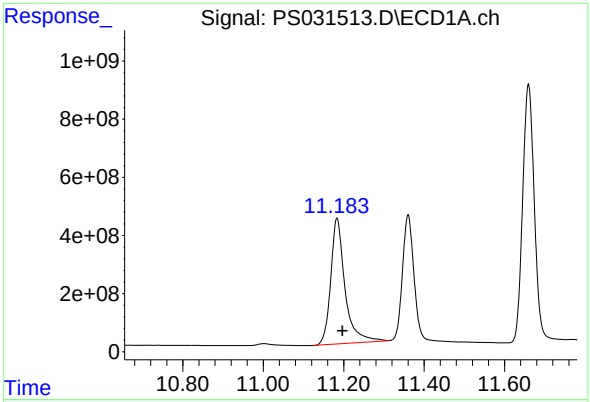
#14 DINOSEB

R.T.: 11.360 min
Delta R.T.: -0.013 min
Response: 8971798806
Conc: 707.64 ng/ml



#14 DINOSEB

R.T.: 11.268 min
Delta R.T.: -0.010 min
Response: 6183797615
Conc: 653.89 ng/ml



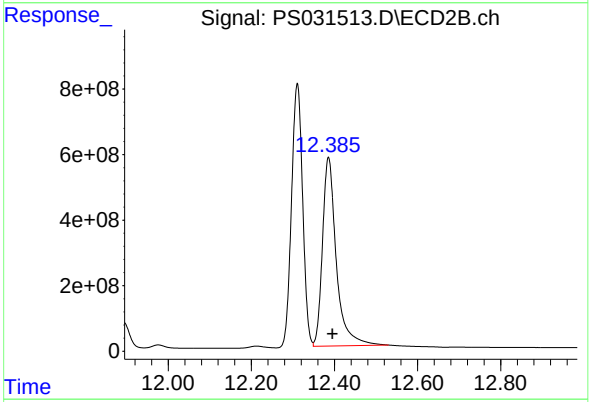
#15 Picloram

R.T.: 11.183 min
Delta R.T.: -0.014 min
Response: 10678587060
Conc: 818.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

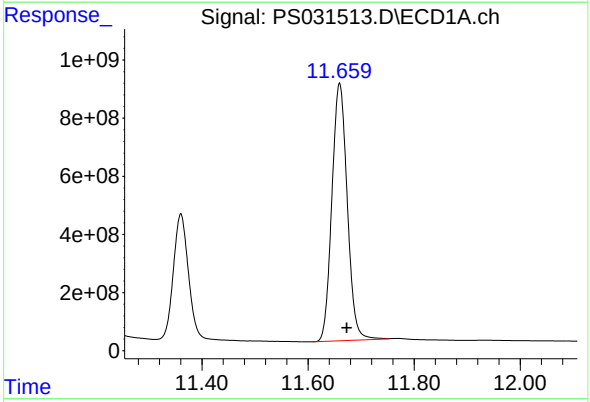
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



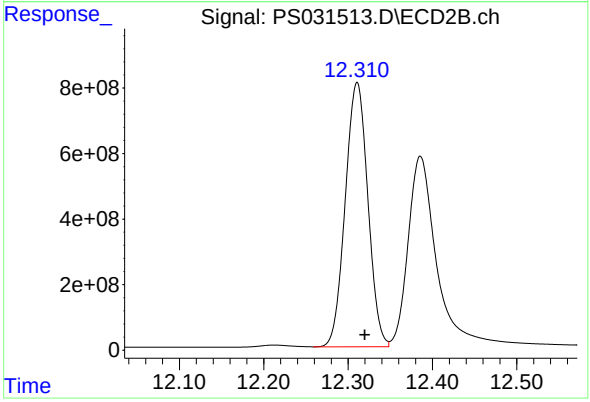
#15 Picloram

R.T.: 12.386 min
Delta R.T.: -0.010 min
Response: 13296324669
Conc: 758.50 ng/ml



#16 DCPA

R.T.: 11.659 min
Delta R.T.: -0.014 min
Response: 17805333935
Conc: 781.64 ng/ml m



#16 DCPA

R.T.: 12.310 min
Delta R.T.: -0.009 min
Response: 15020514404
Conc: 762.45 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Continuing Calib Date: 08/20/2025 **Initial Calibration Date(s):** 08/07/2025 08/07/2025

Continuing Calib Time: 09:05 **Initial Calibration Time(s):** 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.47	7.48	7.38	7.58	0.01
2,4-DCAA	7.29	7.30	7.20	7.40	0.01
Dalapon	2.68	2.67	2.57	2.77	0.00
DICHLORPROP	8.18	8.19	8.09	8.29	0.01
2,4-D	8.42	8.42	8.32	8.52	0.00
2,4,5-TP(Silvex)	9.29	9.30	9.20	9.40	0.01
2,4,5-T	9.59	9.60	9.50	9.70	0.01
2,4-DB	10.16	10.17	10.07	10.27	0.01
Dinoseb	11.36	11.37	11.27	11.47	0.01

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Continuing Calib Date: 08/20/2025 **Initial Calibration Date(s):** 08/07/2025 08/07/2025

Continuing Calib Time: 09:05 **Initial Calibration Time(s):** 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.94	7.95	7.85	8.05	0.01
2,4-DCAA	7.74	7.75	7.65	7.85	0.01
Dalapon	2.70	2.70	2.60	2.80	0.01
DICHLORPROP	8.66	8.67	8.57	8.77	0.01
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.90	9.90	9.80	10.00	0.00
2,4,5-T	10.32	10.33	10.23	10.43	0.01
2,4-DB	10.89	10.90	10.80	11.00	0.01
Dinoseb	11.27	11.28	11.18	11.38	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/20/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031516.D **Time Analyzed:** 09:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.586	9.495	9.695	762.620	712.500	7.0
2,4,5-TP(Silvex)	9.290	9.200	9.400	737.700	712.500	3.5
2,4-D	8.416	8.324	8.524	719.390	705.000	2.0
2,4-DB	10.162	10.070	10.270	760.140	712.500	6.7
2,4-DCAA	7.288	7.195	7.395	742.540	750.000	-1.0
Dalapon	2.675	2.574	2.774	587.520	682.500	-13.9
DICAMBA	7.473	7.381	7.581	702.000	705.000	-0.4
DICHLORPROP	8.181	8.089	8.289	696.680	705.000	-1.2
Dinoseb	11.362	11.273	11.473	721.990	705.000	2.4

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/20/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031516.D **Time Analyzed:** 09:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.323	10.231	10.431	692.100	712.500	-2.9
2,4,5-TP(Silvex)	9.895	9.803	10.003	696.460	712.500	-2.3
2,4-D	8.999	8.906	9.106	638.840	705.000	-9.4
2,4-DB	10.891	10.799	10.999	645.000	712.500	-9.5
2,4-DCAA	7.743	7.649	7.849	695.720	750.000	-7.2
Dalapon	2.695	2.595	2.795	574.460	682.500	-15.8
DICAMBA	7.940	7.847	8.047	675.790	705.000	-4.1
DICHLORPROP	8.659	8.566	8.766	671.040	705.000	-4.8
Dinoseb	11.269	11.178	11.378	664.260	705.000	-5.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 09:05
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:55:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.288	7.743	2356.8E6	588.1E6	742.542	695.716
	Target Compounds						
1) T	Dalapon	2.675	2.695	3083.8E6	1528.6E6	587.517	574.457
2) T	3,5-DICHL...	6.455	6.695	3304.6E6	911.8E6	700.382	674.446
3) T	4-Nitroph...	7.096	7.290	670.8E6	736.1E6	650.163	585.618
5) T	DICAMBA	7.473	7.940	9804.5E6	3840.3E6	702.000	675.788
6) T	MCPP	7.652	8.037	547.7E6	124.2E6	68.078	70.260m
7) T	MCPA	7.801	8.285	700.4E6	177.3E6	70.313	63.204
8) T	DICHLORPROP	8.181	8.659	2210.2E6	895.9E6	696.675	671.042
9) T	2,4-D	8.416	8.999	2069.6E6	911.8E6	719.392	638.836
10) T	Pentachlo...	8.713	9.511	36284.7E6	25110.6E6	755.736	720.981
11) T	2,4,5-TP ...	9.290	9.895	13222.2E6	9134.8E6	737.695	696.463
12) T	2,4,5-T	9.586	10.323	11173.3E6	8194.2E6	762.617	692.095
13) T	2,4-DB	10.162	10.891	1460.8E6	622.3E6	760.136	645.005
14) T	DINOSEB	11.362	11.269	9153.8E6	6281.9E6	721.992	664.261
15) T	Picloram	11.188	12.388	9896.8E6	12049.7E6	758.134m	687.386
16) T	DCPA	11.660	12.309	17401.5E6	14522.0E6	763.918m	737.142m

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

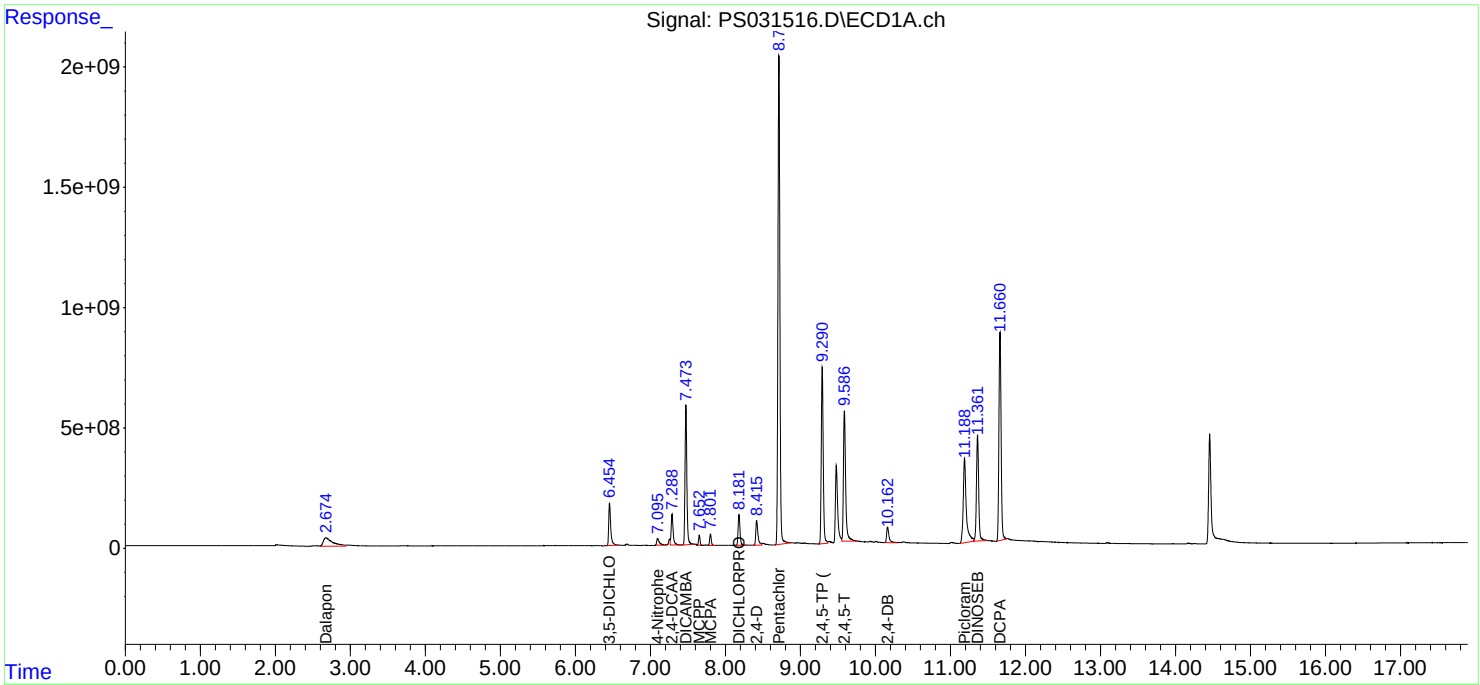
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 09:05
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

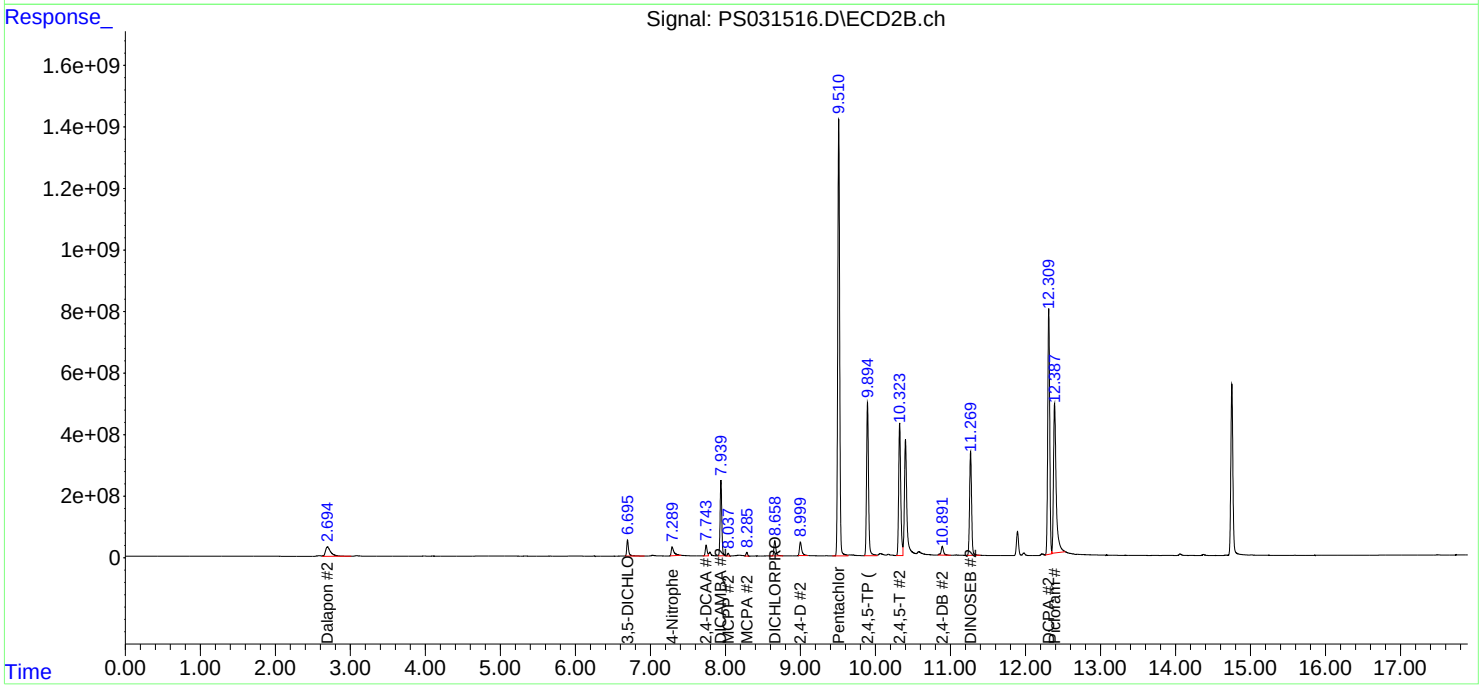
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

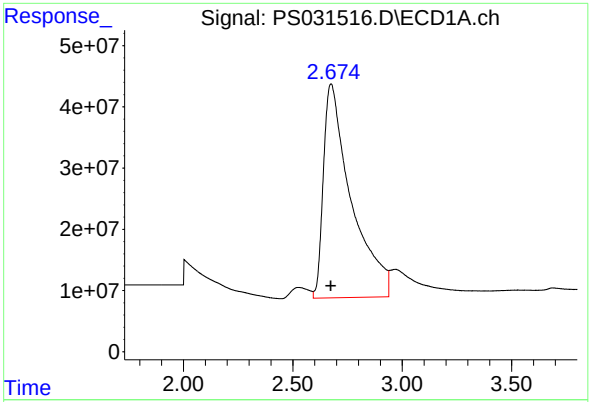
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:55:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







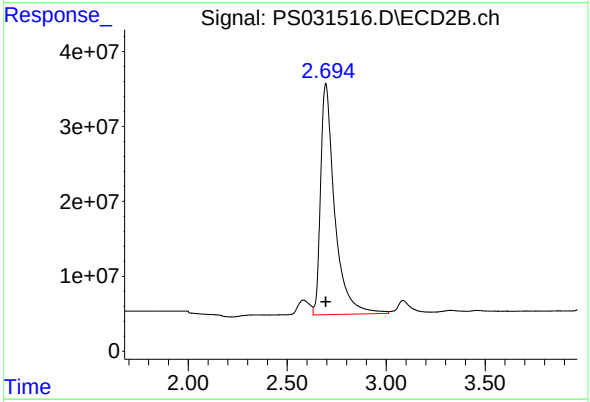
#1 Dalapon

R.T.: 2.675 min
Delta R.T.: 0.000 min
Response: 3083840747
Conc: 587.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

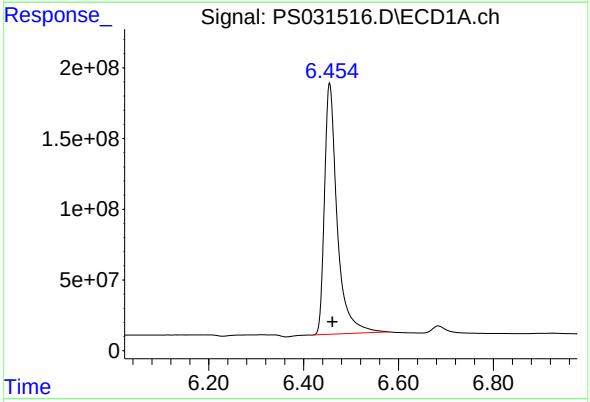
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



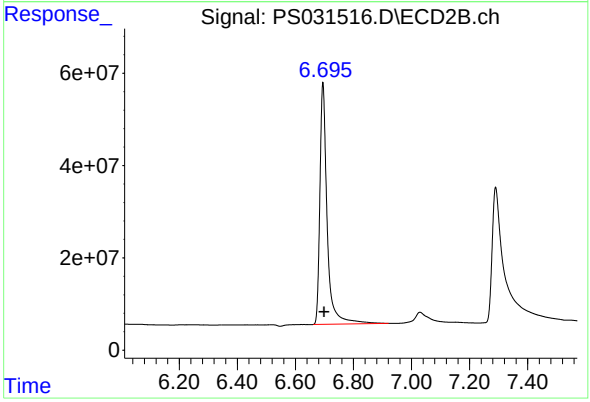
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: 0.000 min
Response: 1528636127
Conc: 574.46 ng/ml



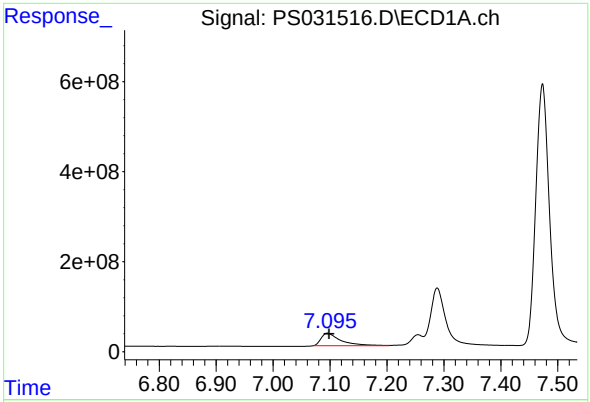
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.455 min
Delta R.T.: -0.006 min
Response: 3304621449
Conc: 700.38 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.695 min
Delta R.T.: -0.004 min
Response: 911803828
Conc: 674.45 ng/ml



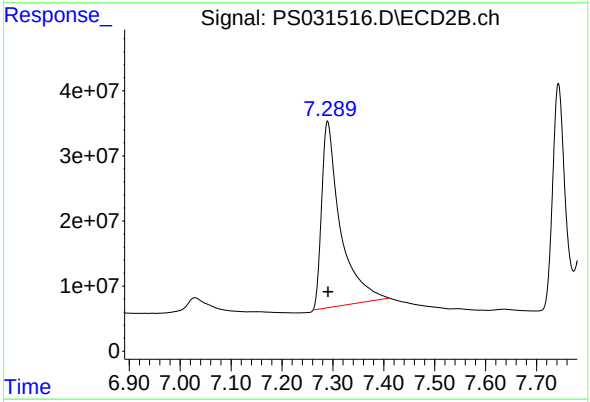
#3 4-Nitrophenol

R.T.: 7.096 min
Delta R.T.: -0.003 min
Response: 670759463
Conc: 650.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

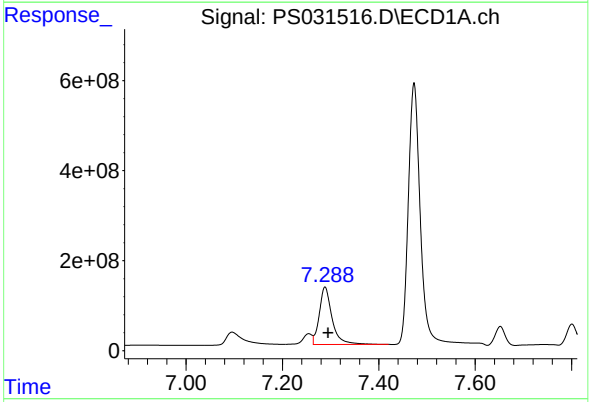
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



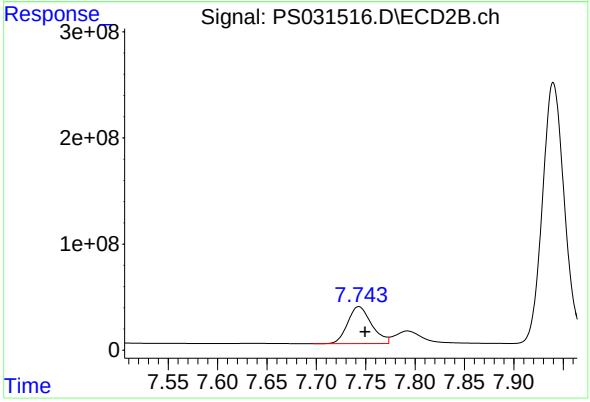
#3 4-Nitrophenol

R.T.: 7.290 min
Delta R.T.: 0.000 min
Response: 736057800
Conc: 585.62 ng/ml



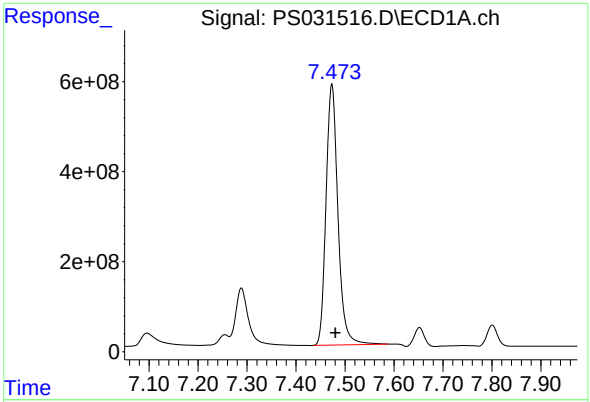
#4 2,4-DCAA

R.T.: 7.288 min
Delta R.T.: -0.006 min
Response: 2356819583
Conc: 742.54 ng/ml



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 588116174
Conc: 695.72 ng/ml



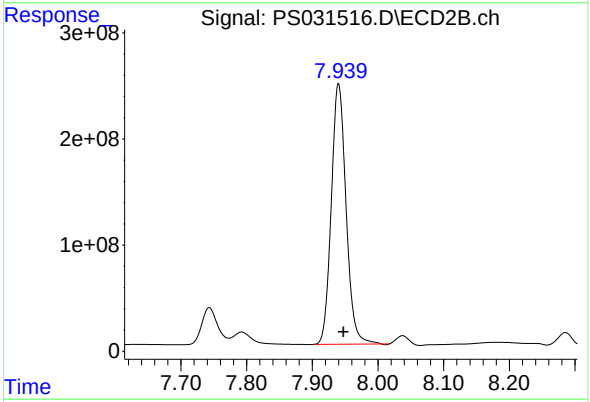
#5 DICAMBA

R.T.: 7.473 min
Delta R.T.: -0.008 min
Response: 9804455630
Conc: 702.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

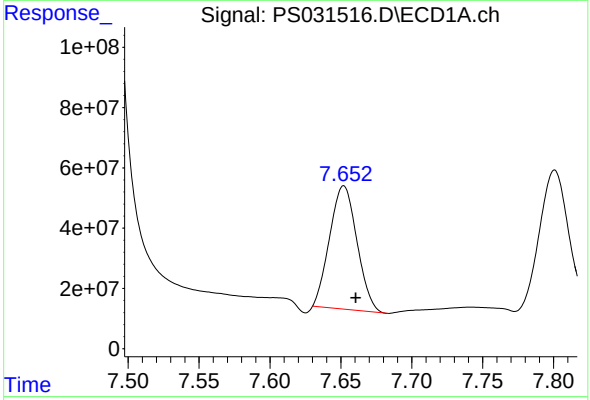
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



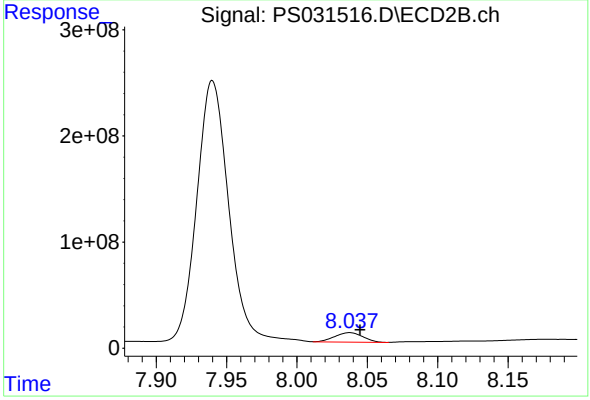
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: -0.007 min
Response: 3840293109
Conc: 675.79 ng/ml



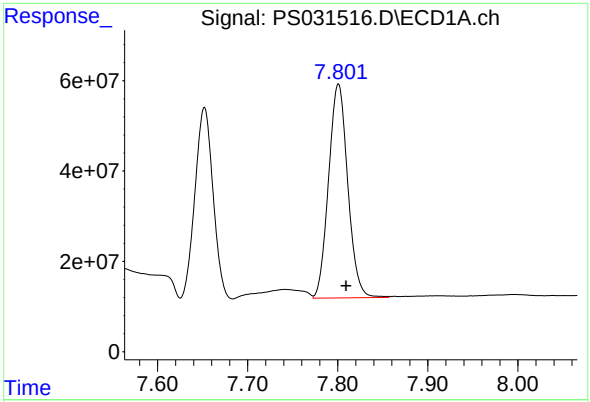
#6 MCPP

R.T.: 7.652 min
Delta R.T.: -0.009 min
Response: 547675821
Conc: 68.08 ug/ml



#6 MCPP

R.T.: 8.037 min
Delta R.T.: -0.008 min
Response: 124207831
Conc: 70.26 ug/ml m



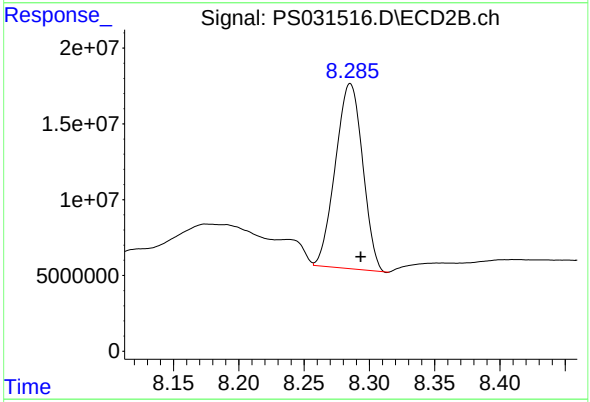
#7 MCPA

R.T.: 7.801 min
Delta R.T.: -0.009 min
Response: 700405911
Conc: 70.31 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

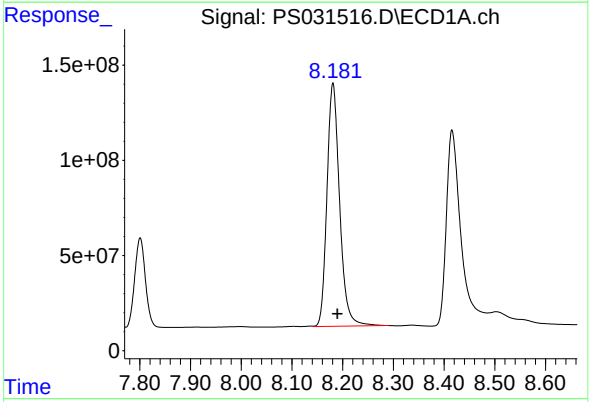
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



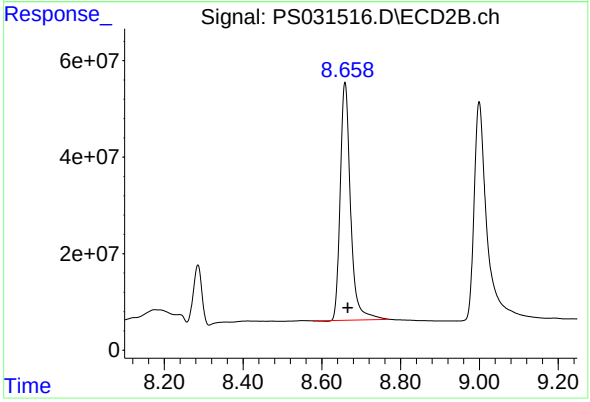
#7 MCPA

R.T.: 8.285 min
Delta R.T.: -0.008 min
Response: 177319023
Conc: 63.20 ug/ml



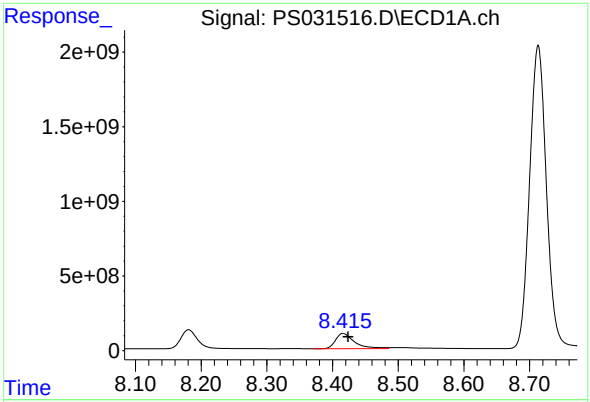
#8 DICHLORPROP

R.T.: 8.181 min
Delta R.T.: -0.009 min
Response: 2210152716
Conc: 696.68 ng/ml



#8 DICHLORPROP

R.T.: 8.659 min
Delta R.T.: -0.007 min
Response: 895862910
Conc: 671.04 ng/ml



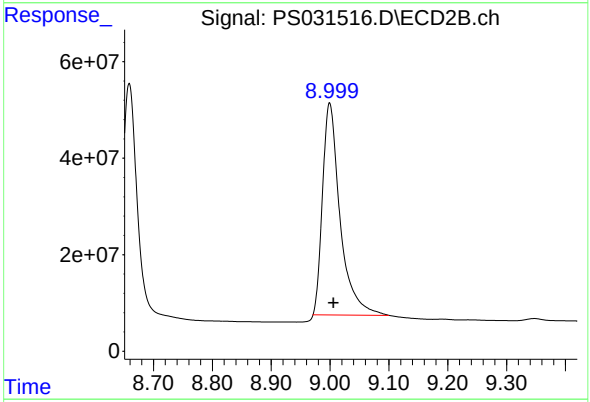
#9 2,4-D

R.T.: 8.416 min
Delta R.T.: -0.008 min
Response: 2069557975
Conc: 719.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

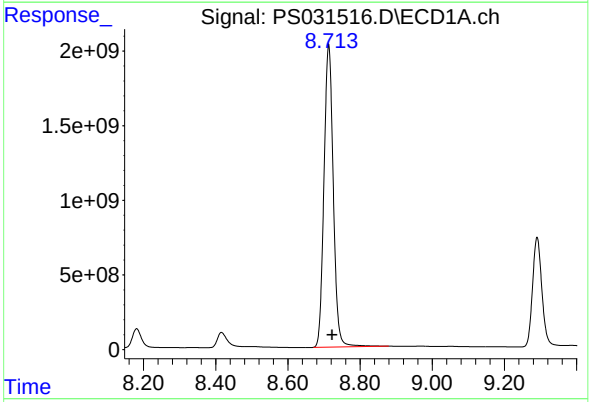
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



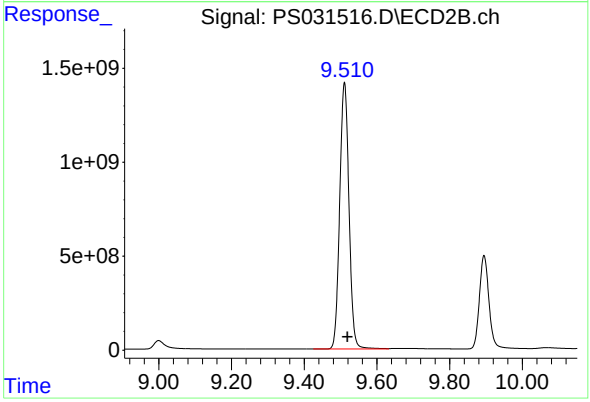
#9 2,4-D

R.T.: 8.999 min
Delta R.T.: -0.006 min
Response: 911802561
Conc: 638.84 ng/ml



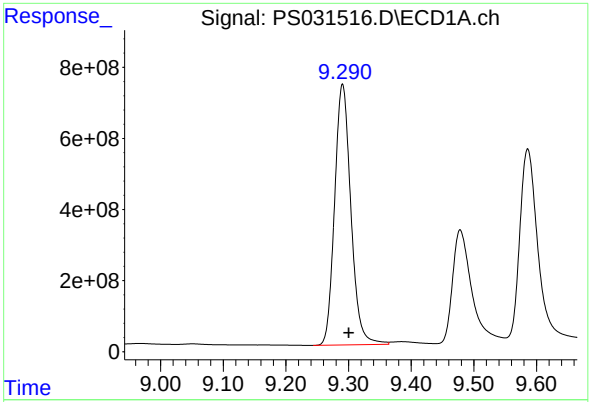
#10 Pentachlorophenol

R.T.: 8.713 min
Delta R.T.: -0.009 min
Response: 36284722690
Conc: 755.74 ng/ml



#10 Pentachlorophenol

R.T.: 9.511 min
Delta R.T.: -0.008 min
Response: 25110618476
Conc: 720.98 ng/ml



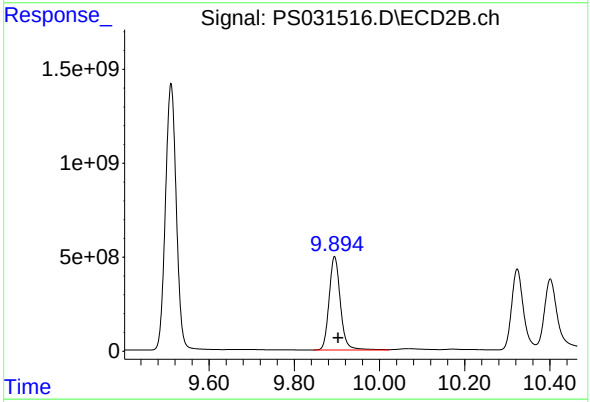
#11 2,4,5-TP (SILVEX)

R.T.: 9.290 min
Delta R.T.: -0.010 min
Response: 13222235718
Conc: 737.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

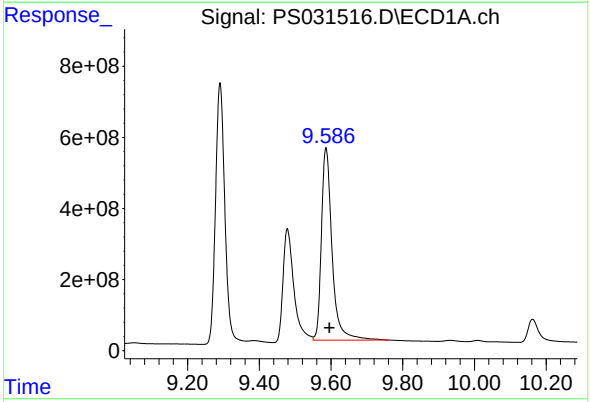
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/28/2025



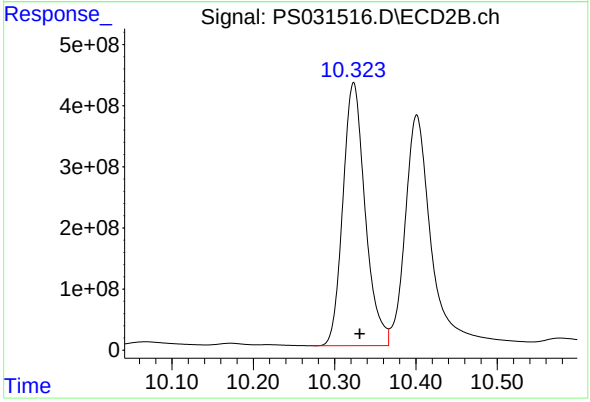
#11 2,4,5-TP (SILVEX)

R.T.: 9.895 min
Delta R.T.: -0.008 min
Response: 9134823467
Conc: 696.46 ng/ml



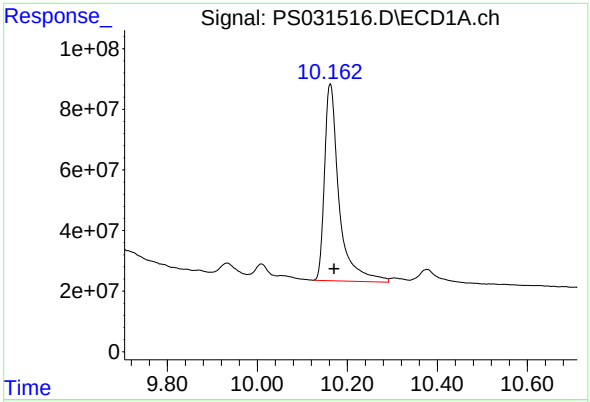
#12 2,4,5-T

R.T.: 9.586 min
Delta R.T.: -0.009 min
Response: 11173281117
Conc: 762.62 ng/ml



#12 2,4,5-T

R.T.: 10.323 min
Delta R.T.: -0.008 min
Response: 8194243613
Conc: 692.10 ng/ml



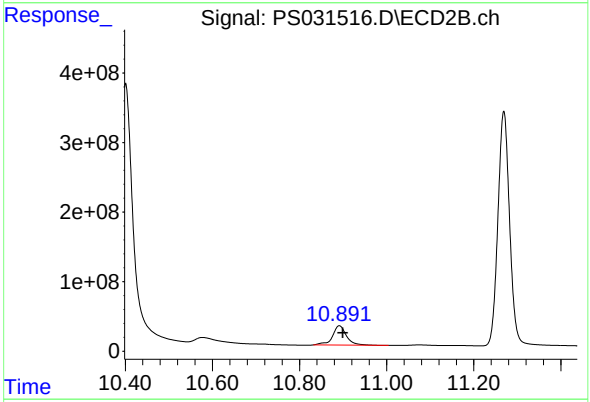
#13 2,4-DB

R.T.: 10.162 min
Delta R.T.: -0.008 min
Response: 1460768286
Conc: 760.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

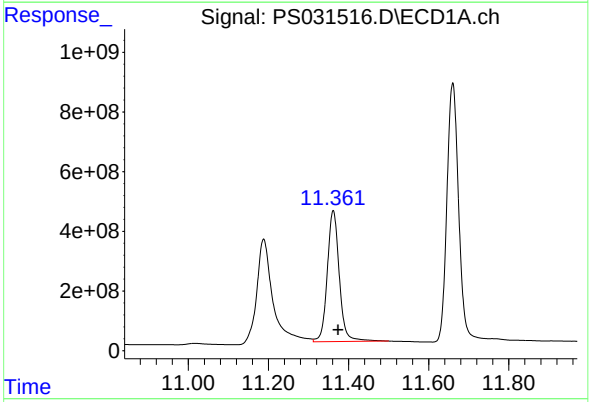
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



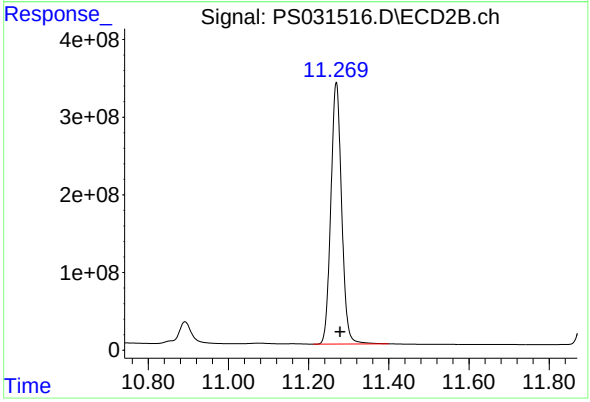
#13 2,4-DB

R.T.: 10.891 min
Delta R.T.: -0.008 min
Response: 622330214
Conc: 645.00 ng/ml



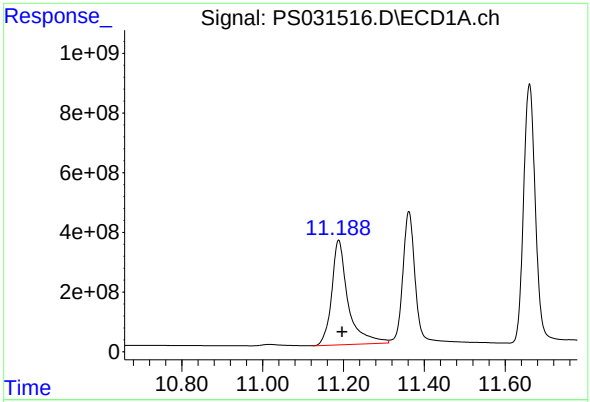
#14 DINOSEB

R.T.: 11.362 min
Delta R.T.: -0.012 min
Response: 9153763261
Conc: 721.99 ng/ml



#14 DINOSEB

R.T.: 11.269 min
Delta R.T.: -0.009 min
Response: 6281885224
Conc: 664.26 ng/ml



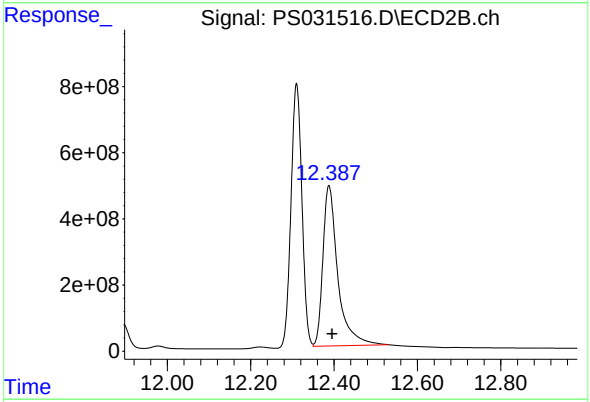
#15 Picloram

R.T.: 11.188 min
Delta R.T.: -0.009 min
Response: 9896792812
Conc: 758.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

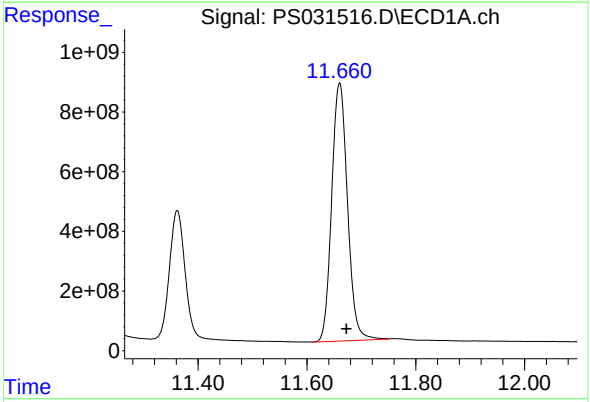
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



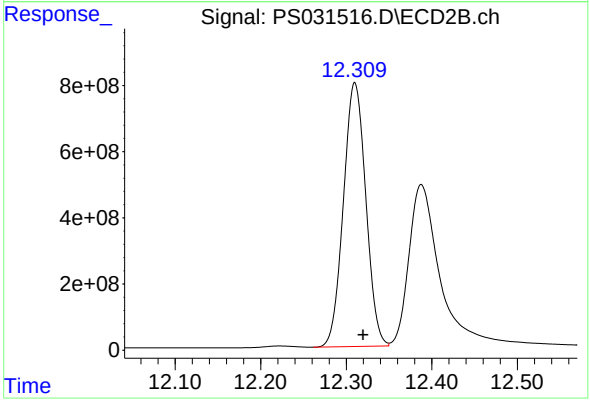
#15 Picloram

R.T.: 12.388 min
Delta R.T.: -0.008 min
Response: 12049683288
Conc: 687.39 ng/ml



#16 DCPA

R.T.: 11.660 min
Delta R.T.: -0.013 min
Response: 17401529168
Conc: 763.92 ng/ml m



#16 DCPA

R.T.: 12.309 min
Delta R.T.: -0.010 min
Response: 14521986800
Conc: 737.14 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Continuing Calib Date: 08/20/2025 **Initial Calibration Date(s):** 08/07/2025 08/07/2025

Continuing Calib Time: 15:11 **Initial Calibration Time(s):** 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.47	7.48	7.38	7.58	0.01
2,4-DCAA	7.29	7.30	7.20	7.40	0.01
Dalapon	2.68	2.67	2.57	2.77	-0.01
DICHLORPROP	8.18	8.19	8.09	8.29	0.01
2,4-D	8.41	8.42	8.32	8.52	0.01
2,4,5-TP(Silvex)	9.29	9.30	9.20	9.40	0.01
2,4,5-T	9.58	9.60	9.50	9.70	0.02
2,4-DB	10.16	10.17	10.07	10.27	0.01
Dinoseb	11.36	11.37	11.27	11.47	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Continuing Calib Date: 08/20/2025 **Initial Calibration Date(s):** 08/07/2025 08/07/2025

Continuing Calib Time: 15:11 **Initial Calibration Time(s):** 12:02 13:38

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.94	7.95	7.85	8.05	0.01
2,4-DCAA	7.74	7.75	7.65	7.85	0.01
Dalapon	2.69	2.70	2.60	2.80	0.01
DICHLORPROP	8.66	8.67	8.57	8.77	0.01
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.89	9.90	9.80	10.00	0.01
2,4,5-T	10.32	10.33	10.23	10.43	0.01
2,4-DB	10.89	10.90	10.80	11.00	0.01
Dinoseb	11.27	11.28	11.18	11.38	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/20/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031525.D **Time Analyzed:** 15:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.584	9.495	9.695	778.380	712.500	9.2
2,4,5-TP(Silvex)	9.289	9.200	9.400	758.820	712.500	6.5
2,4-D	8.413	8.324	8.524	759.360	705.000	7.7
2,4-DB	10.158	10.070	10.270	830.730	712.500	16.6
2,4-DCAA	7.287	7.195	7.395	758.060	750.000	1.1
Dalapon	2.676	2.574	2.774	603.560	682.500	-11.6
DICAMBA	7.472	7.381	7.581	714.140	705.000	1.3
DICHLORPROP	8.179	8.089	8.289	713.880	705.000	1.3
Dinoseb	11.361	11.273	11.473	735.980	705.000	4.4

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/07/2025 08/07/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/20/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031525.D **Time Analyzed:** 15:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.322	10.231	10.431	721.580	712.500	1.3
2,4,5-TP(Silvex)	9.894	9.803	10.003	709.930	712.500	-0.4
2,4-D	8.997	8.906	9.106	628.810	705.000	-10.8
2,4-DB	10.889	10.799	10.999	670.320	712.500	-5.9
2,4-DCAA	7.742	7.649	7.849	726.610	750.000	-3.1
Dalapon	2.694	2.595	2.795	588.910	682.500	-13.7
DICAMBA	7.940	7.847	8.047	699.360	705.000	-0.8
DICHLORPROP	8.658	8.566	8.766	667.460	705.000	-5.3
Dinoseb	11.268	11.178	11.378	676.610	705.000	-4.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 15:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:47:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.287	7.742	2406.1E6	614.2E6	758.061	726.615
	Target Compounds						
1) T	Dalapon	2.676	2.694	3168.0E6	1567.1E6	603.560	588.908
2) T	3,5-DICHL...	6.454	6.694	3385.7E6	927.0E6	717.556	685.650
3) T	4-Nitroph...	7.091	7.286	808.3E6	761.3E6	783.480m	605.738
5) T	DICAMBA	7.472	7.940	9974.0E6	3974.3E6	714.137	699.363
6) T	MCPP	7.651	8.038	554.4E6	116.7E6	68.908	66.039
7) T	MCPA	7.800	8.285	720.5E6	180.3E6	72.333	64.265
8) T	DICHLORPROP	8.179	8.658	2264.7E6	891.1E6	713.879	667.459
9) T	2,4-D	8.413	8.997	2184.5E6	897.5E6	759.363	628.808
10) T	Pentachlo...	8.712	9.510	37022.9E6	25572.9E6	771.110	734.254
11) T	2,4,5-TP ...	9.289	9.894	13600.8E6	9311.4E6	758.816	709.926
12) T	2,4,5-T	9.584	10.322	11404.3E6	8543.3E6	778.382	721.579
13) T	2,4-DB	10.158	10.889	1596.4E6	646.8E6	830.734m	670.322
14) T	DINOSEB	11.361	11.268	9331.0E6	6398.7E6	735.976	676.615
15) T	Picloram	11.184	12.386	10622.7E6	13212.5E6	813.738m	753.720
16) T	DCPA	11.659	12.310	17994.2E6	14714.0E6	789.937m	746.889

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

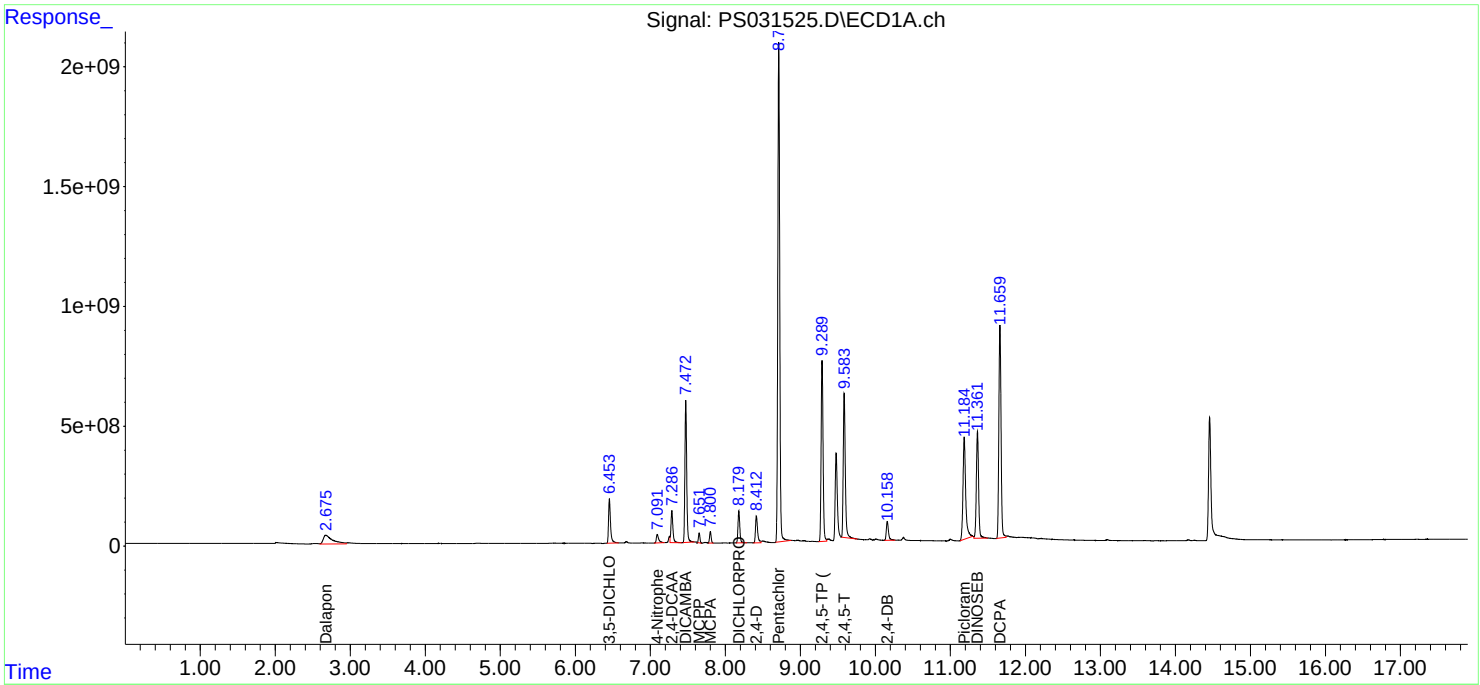
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 15:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

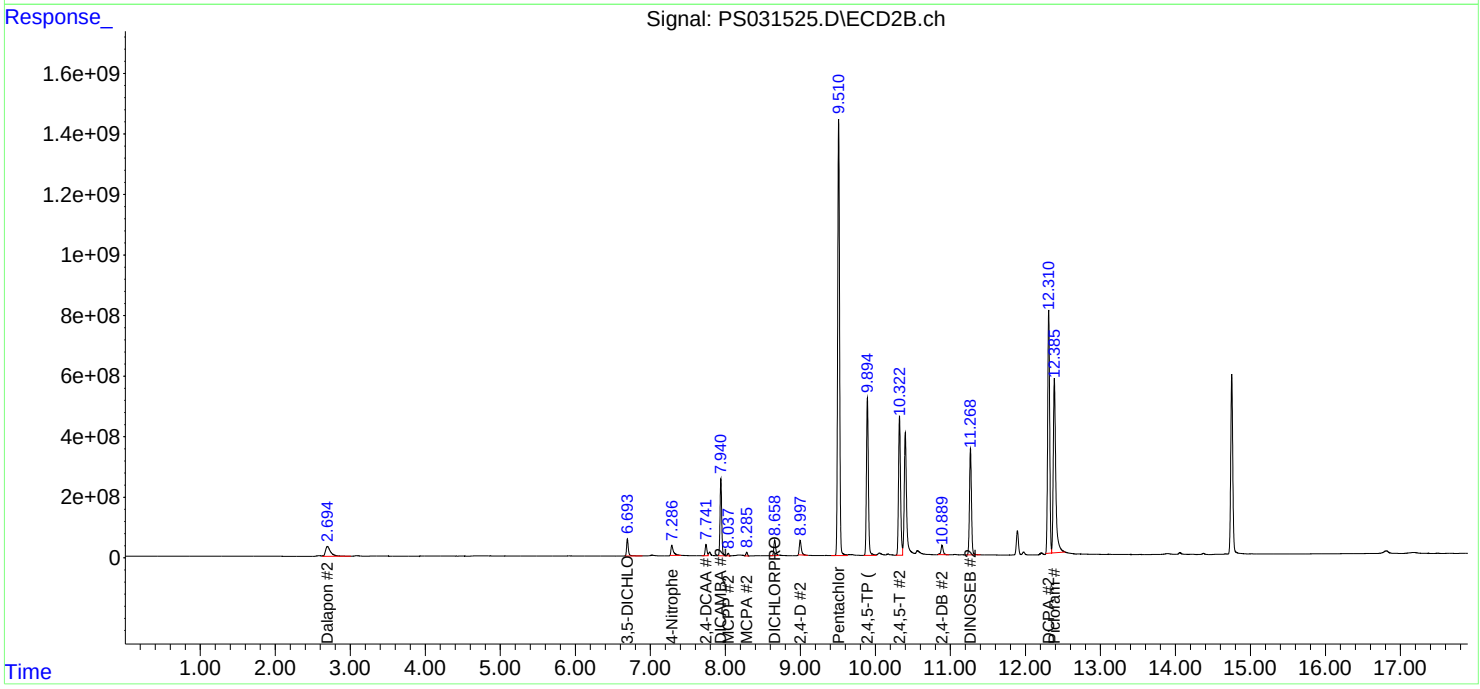
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

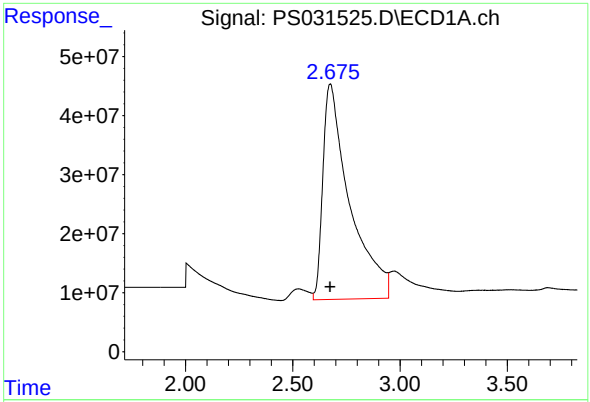
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:47:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







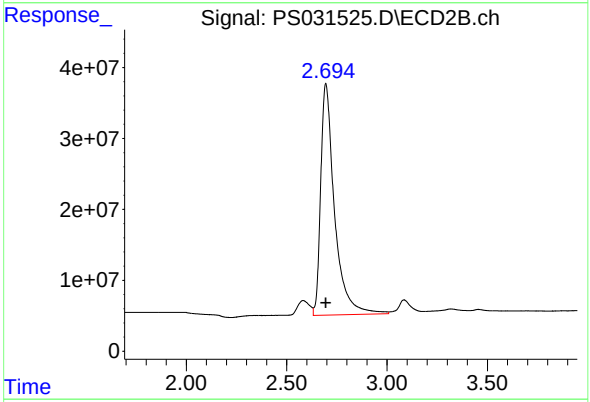
#1 Dalapon

R.T.: 2.676 min
Delta R.T.: 0.002 min
Response: 3168045089
Conc: 603.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

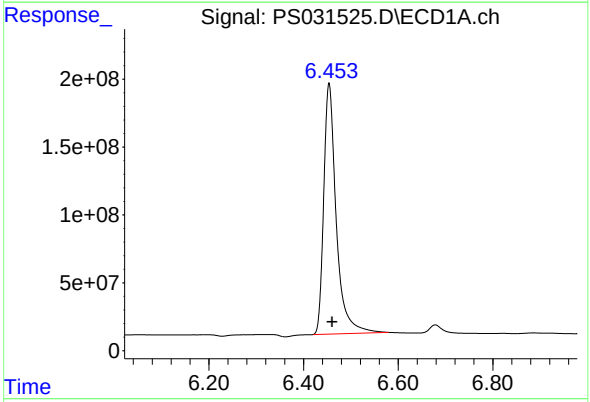
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



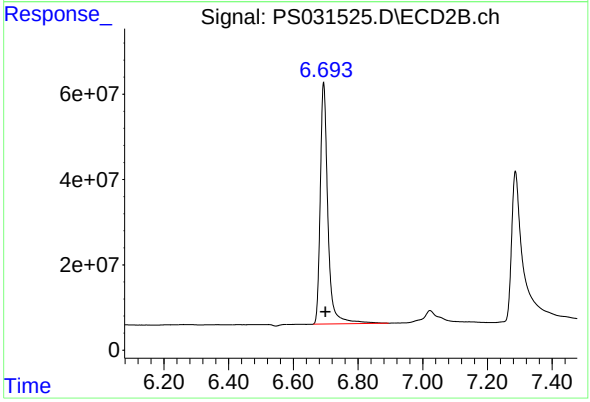
#1 Dalapon

R.T.: 2.694 min
Delta R.T.: 0.000 min
Response: 1567090524
Conc: 588.91 ng/ml



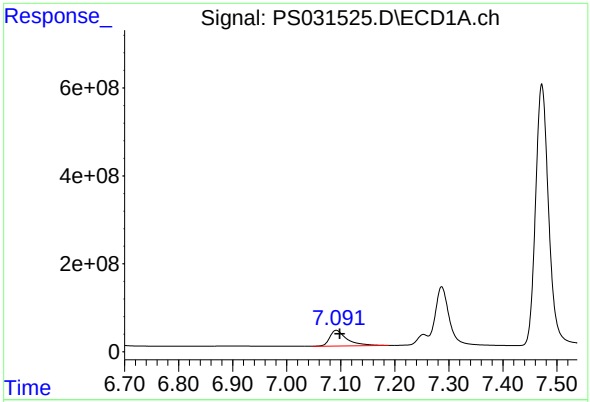
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.454 min
Delta R.T.: -0.007 min
Response: 3385656166
Conc: 717.56 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.694 min
Delta R.T.: -0.005 min
Response: 926950189
Conc: 685.65 ng/ml



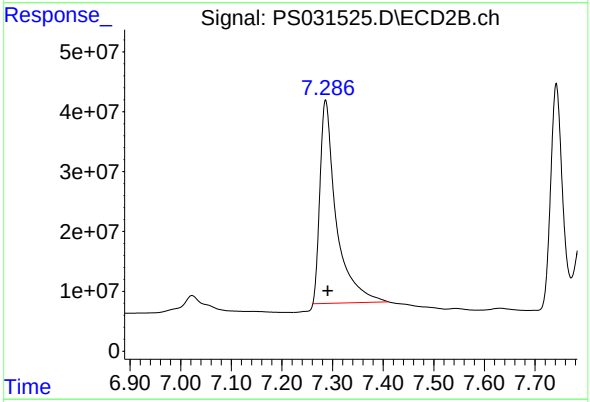
#3 4-Nitrophenol

R.T.: 7.091 min
Delta R.T.: -0.007 min
Response: 808300072
Conc: 783.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

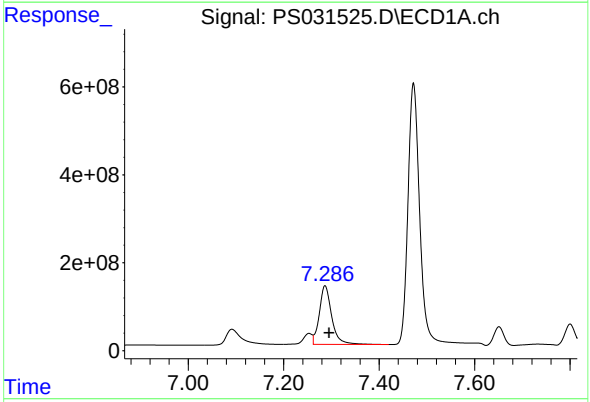
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



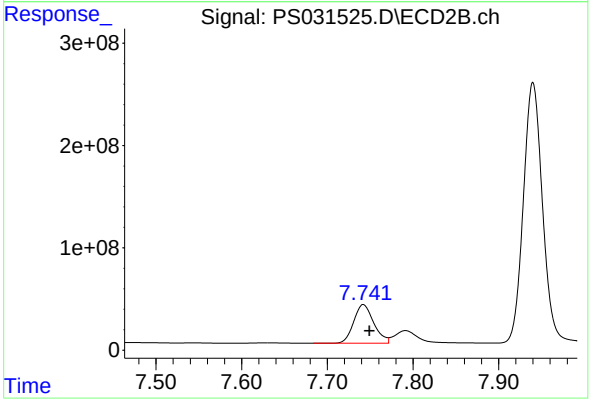
#3 4-Nitrophenol

R.T.: 7.286 min
Delta R.T.: -0.004 min
Response: 761346354
Conc: 605.74 ng/ml



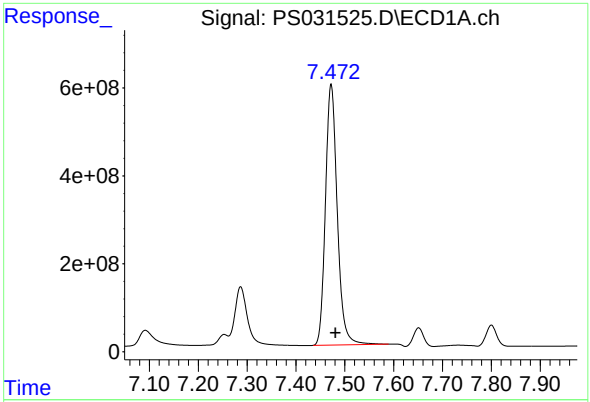
#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: -0.008 min
Response: 2406078052
Conc: 758.06 ng/ml



#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 614236158
Conc: 726.61 ng/ml



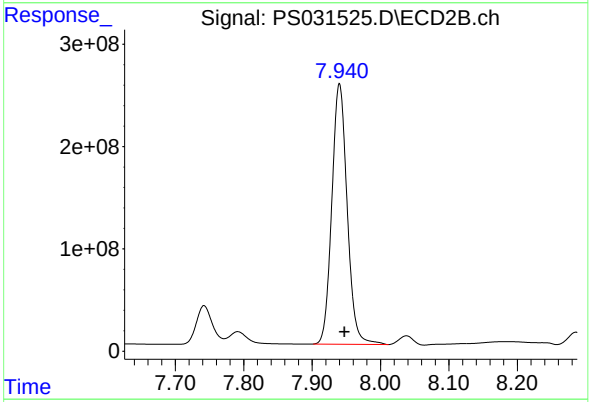
#5 DICAMBA

R.T.: 7.472 min
Delta R.T.: -0.009 min
Response: 9973966999
Conc: 714.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

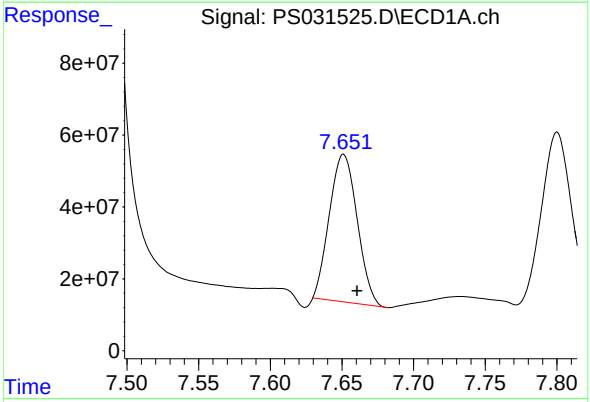
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



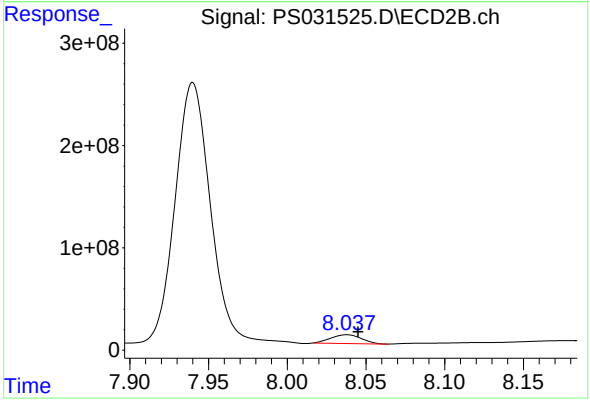
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: -0.007 min
Response: 3974264095
Conc: 699.36 ng/ml



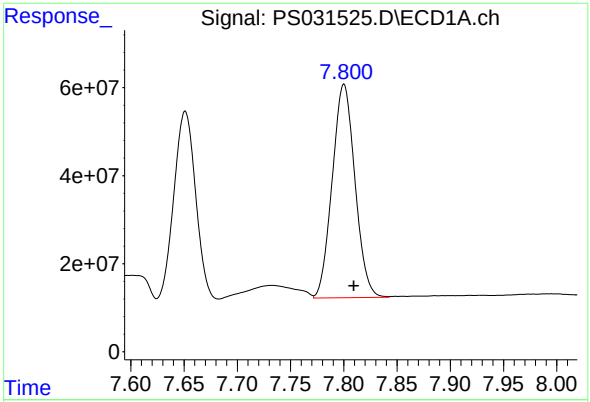
#6 MCPP

R.T.: 7.651 min
Delta R.T.: -0.009 min
Response: 554352397
Conc: 68.91 ug/ml



#6 MCPP

R.T.: 8.038 min
Delta R.T.: -0.007 min
Response: 116745170
Conc: 66.04 ug/ml



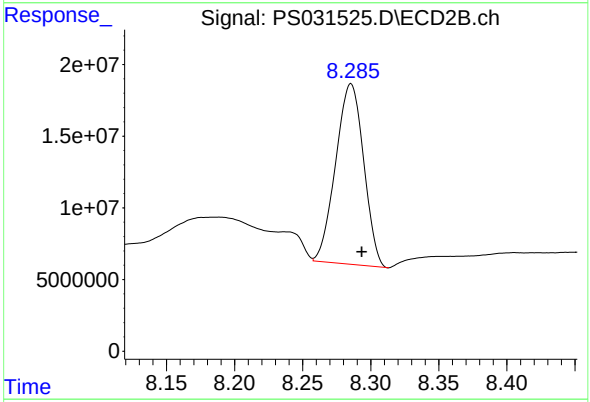
#7 MCPA

R.T.: 7.800 min
Delta R.T.: -0.009 min
Response: 720535379
Conc: 72.33 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

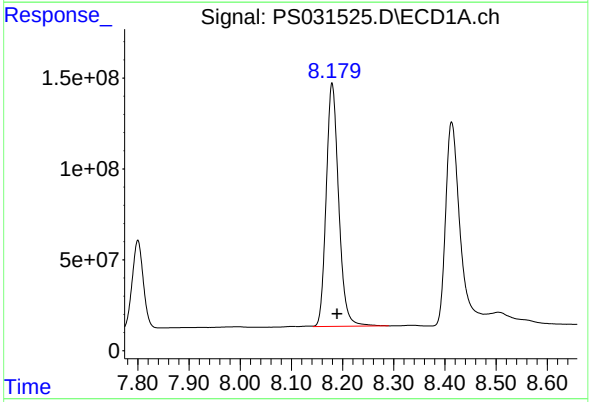
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



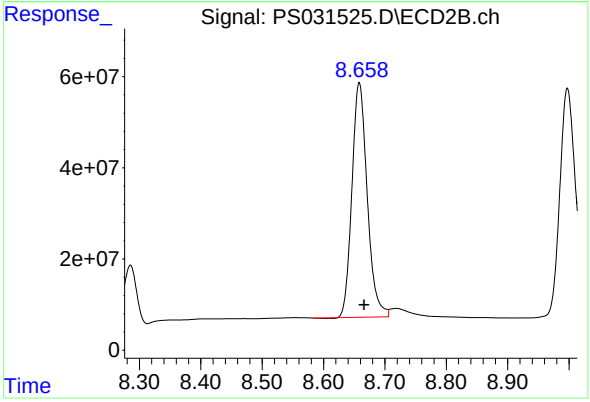
#7 MCPA

R.T.: 8.285 min
Delta R.T.: -0.008 min
Response: 180296336
Conc: 64.27 ug/ml



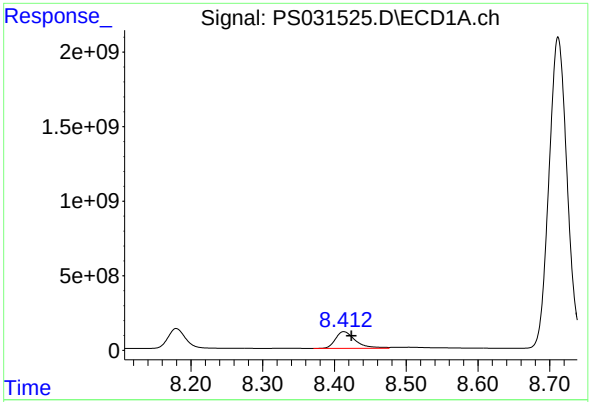
#8 DICHLORPROP

R.T.: 8.179 min
Delta R.T.: -0.010 min
Response: 2264729558
Conc: 713.88 ng/ml



#8 DICHLORPROP

R.T.: 8.658 min
Delta R.T.: -0.008 min
Response: 891080428
Conc: 667.46 ng/ml



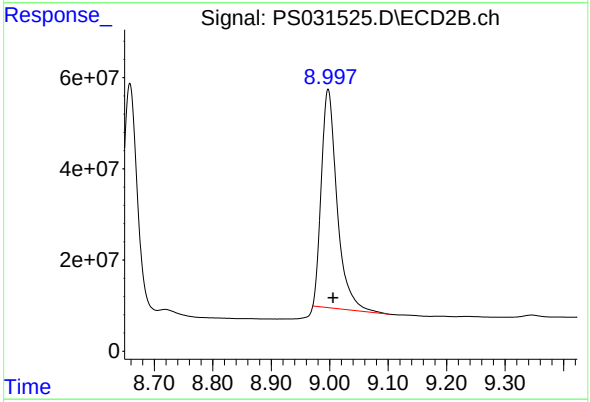
#9 2,4-D

R.T.: 8.413 min
Delta R.T.: -0.011 min
Response: 2184547895
Conc: 759.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

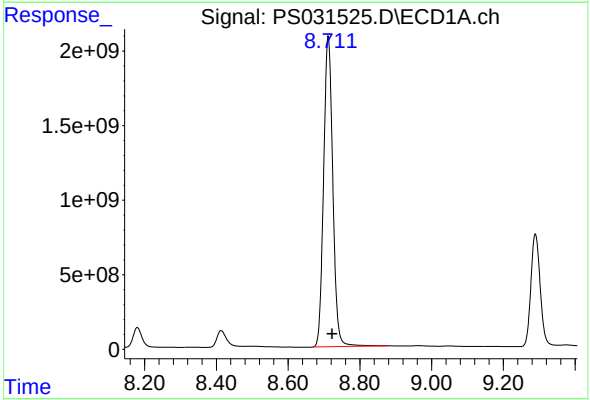
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



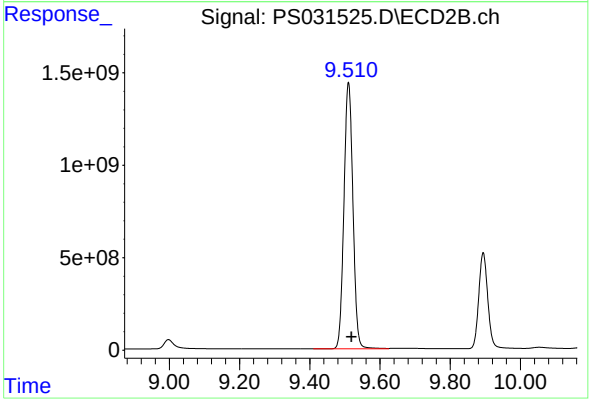
#9 2,4-D

R.T.: 8.997 min
Delta R.T.: -0.008 min
Response: 897489335
Conc: 628.81 ng/ml



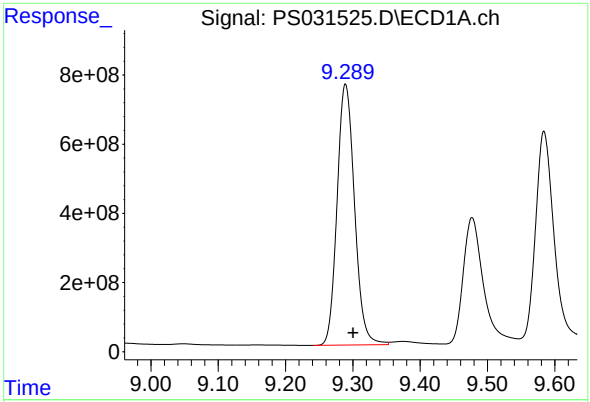
#10 Pentachlorophenol

R.T.: 8.712 min
Delta R.T.: -0.011 min
Response: 37022875788
Conc: 771.11 ng/ml



#10 Pentachlorophenol

R.T.: 9.510 min
Delta R.T.: -0.008 min
Response: 25572920866
Conc: 734.25 ng/ml



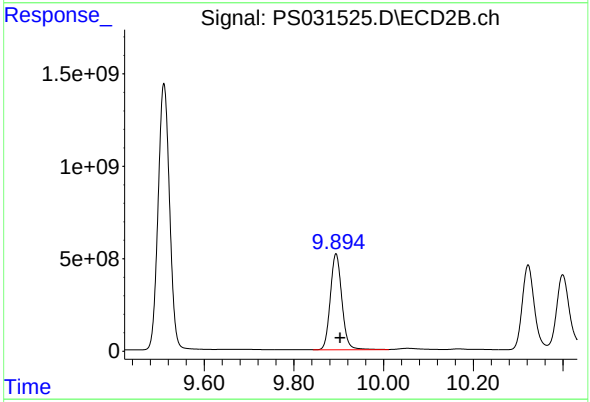
#11 2,4,5-TP (SILVEX)

R.T.: 9.289 min
Delta R.T.: -0.011 min
Response: 13600801081
Conc: 758.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

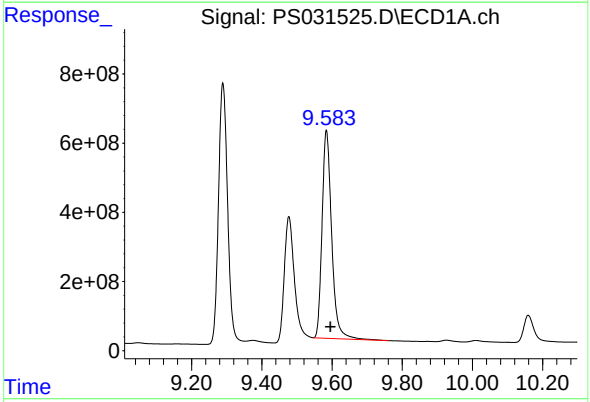
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



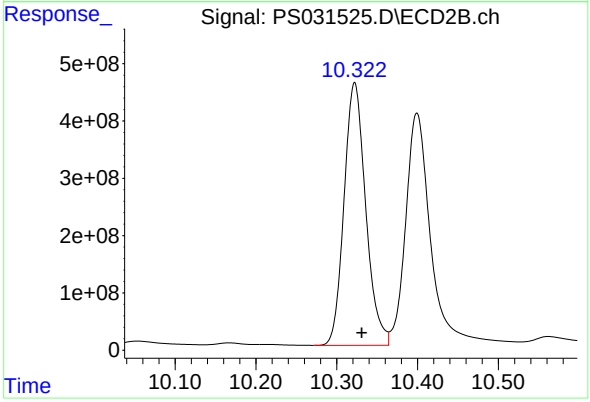
#11 2,4,5-TP (SILVEX)

R.T.: 9.894 min
Delta R.T.: -0.009 min
Response: 9311412580
Conc: 709.93 ng/ml



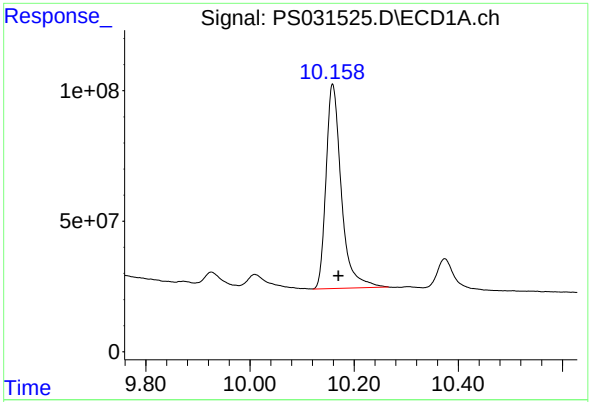
#12 2,4,5-T

R.T.: 9.584 min
Delta R.T.: -0.012 min
Response: 11404253108
Conc: 778.38 ng/ml



#12 2,4,5-T

R.T.: 10.322 min
Delta R.T.: -0.009 min
Response: 8543328625
Conc: 721.58 ng/ml



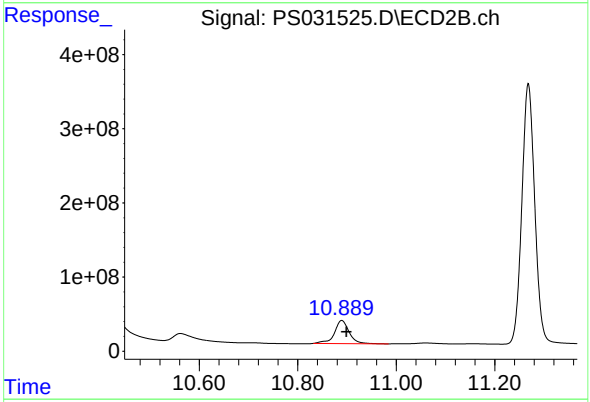
#13 2,4-DB

R.T.: 10.158 min
Delta R.T.: -0.012 min
Response: 1596438315
Conc: 830.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

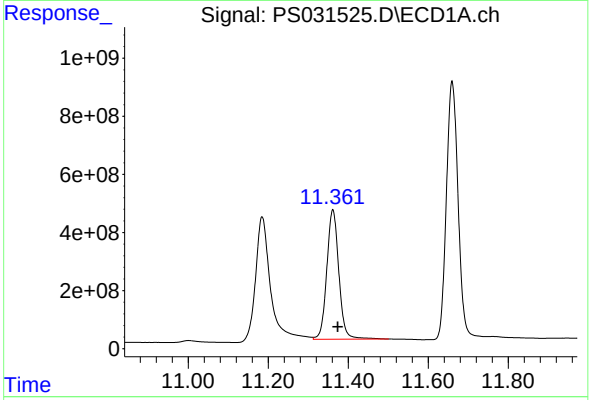
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



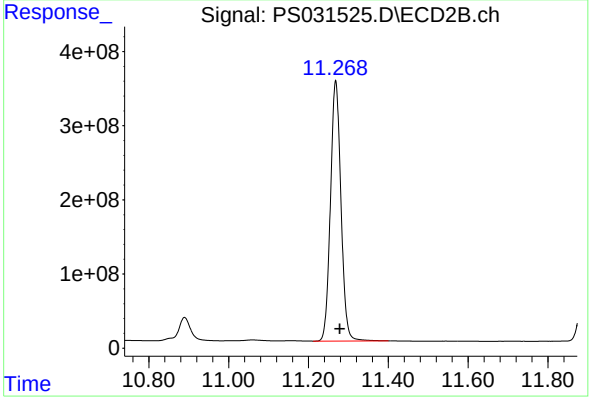
#13 2,4-DB

R.T.: 10.889 min
Delta R.T.: -0.010 min
Response: 646757268
Conc: 670.32 ng/ml



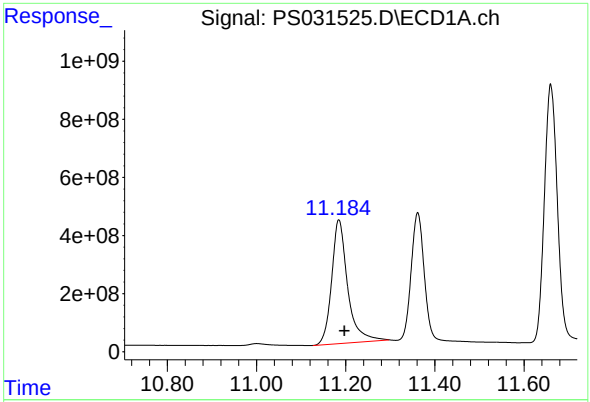
#14 DINOSEB

R.T.: 11.361 min
Delta R.T.: -0.012 min
Response: 9331049662
Conc: 735.98 ng/ml



#14 DINOSEB

R.T.: 11.268 min
Delta R.T.: -0.010 min
Response: 6398710034
Conc: 676.61 ng/ml



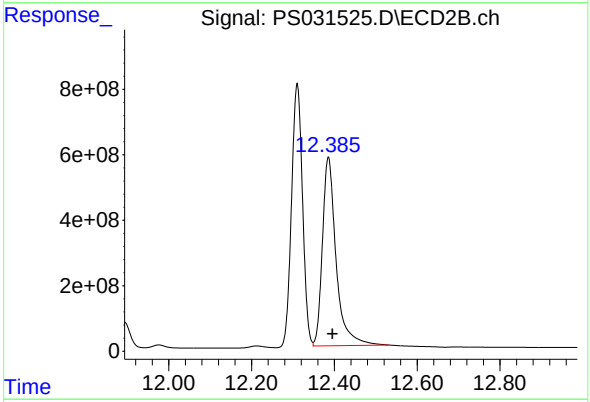
#15 Picloram

R.T.: 11.184 min
Delta R.T.: -0.013 min
Response: 10622663484
Conc: 813.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

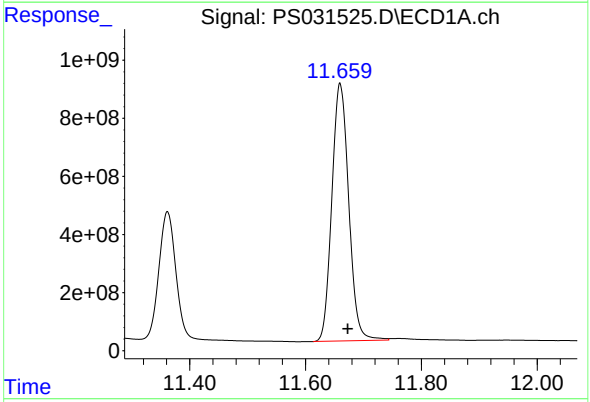
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



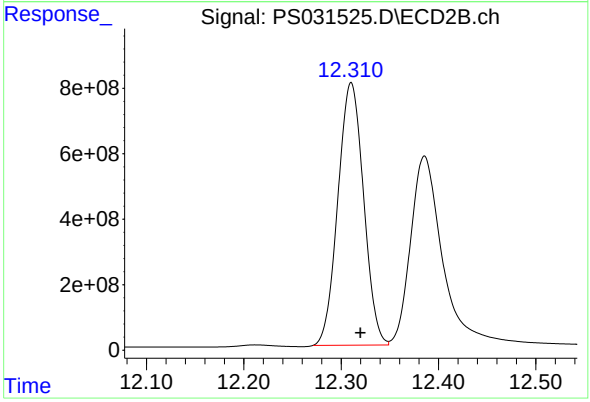
#15 Picloram

R.T.: 12.386 min
Delta R.T.: -0.010 min
Response: 13212510545
Conc: 753.72 ng/ml



#16 DCPA

R.T.: 11.659 min
Delta R.T.: -0.014 min
Response: 17994228669
Conc: 789.94 ng/ml m



#16 DCPA

R.T.: 12.310 min
Delta R.T.: -0.010 min
Response: 14714004817
Conc: 746.89 ng/ml

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2879

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

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 08/07/2025 08/07/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	08/07/2025	11:38	PS031378.D	7.30	0.00
HSTDICC200	HSTDICC200	08/07/2025	12:02	PS031379.D	7.30	0.00
HSTDICC500	HSTDICC500	08/07/2025	12:26	PS031380.D	7.30	0.00
HSTDICC750	HSTDICC750	08/07/2025	12:50	PS031381.D	7.30	0.00
HSTDICC1000	HSTDICC1000	08/07/2025	13:14	PS031382.D	7.29	0.00
HSTDICC1500	HSTDICC1500	08/07/2025	13:38	PS031383.D	7.29	0.00
I.BLK	I.BLK	08/19/2025	12:45	PS031493.D	7.29	0.00
HSTDCCC750	HSTDCCC750	08/19/2025	13:09	PS031494.D	7.29	0.00
PB169287BL	PB169287BL	08/19/2025	17:08	PS031495.D	7.29	0.00
PB169287BS	PB169287BS	08/19/2025	17:32	PS031496.D	7.29	0.00
OU4-TS-GRILLO-TSCP03-081425	Q2879-01	08/19/2025	17:56	PS031497.D	7.29	0.00
OU4-TS-GRILLO-TSCP04-081425	Q2879-03	08/19/2025	18:20	PS031498.D	7.29	0.00
OU4-TS-GRILLO-TSCP05-081425	Q2879-05	08/19/2025	18:44	PS031499.D	7.29	0.00
OU4-TS-GRILLO-TSCP06-081425	Q2879-07	08/19/2025	19:08	PS031500.D	7.29	0.00
I.BLK	I.BLK	08/19/2025	19:57	PS031502.D	7.29	0.00
HSTDCCC750	HSTDCCC750	08/19/2025	20:21	PS031503.D	7.29	0.00
OU4-TS-GRILLO-TSCP09-081425	Q2879-13	08/19/2025	21:57	PS031505.D	7.27	0.00
OU4-TS-GRILLO-TSCP10-081425	Q2879-15	08/19/2025	22:22	PS031506.D	7.29	0.00
I.BLK	I.BLK	08/20/2025	00:46	PS031512.D	7.29	0.00
HSTDCCC750	HSTDCCC750	08/20/2025	01:10	PS031513.D	7.29	0.00
I.BLK	I.BLK	08/20/2025	08:41	PS031515.D	7.29	0.00
HSTDCCC750	HSTDCCC750	08/20/2025	09:05	PS031516.D	7.29	0.00
OU4-TS-GRILLO-TSCP04-081425RE	Q2879-03RE	08/20/2025	09:29	PS031517.D	7.29	0.00
OU4-TS-GRILLO-TSCP07-081425	Q2879-09	08/20/2025	09:53	PS031518.D	7.29	0.00
OU4-TS-GRILLO-TSCP08-081425	Q2879-11	08/20/2025	10:21	PS031519.D	7.29	0.00
OU4-TS-GRILLO-TSCP09-081425RE	Q2879-13RE	08/20/2025	10:45	PS031520.D	7.27	0.00
OU4-TS-GRILLO-TSCP11-081425	Q2879-17	08/20/2025	11:35	PS031521.D	7.29	0.00
VNJ-210MS	Q2888-01MS	08/20/2025	11:59	PS031522.D	7.28	0.00
VNJ-210MSD	Q2888-01MSD	08/20/2025	12:24	PS031523.D	7.29	0.00
I.BLK	I.BLK	08/20/2025	14:47	PS031524.D	7.29	0.00
HSTDCCC750	HSTDCCC750	08/20/2025	15:11	PS031525.D	7.29	0.00

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Fax : 908 789 8922

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2879

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

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 08/07/2025 08/07/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	08/07/2025	11:38	PS031378.D	7.75	0.00
HSTDICC200	HSTDICC200	08/07/2025	12:02	PS031379.D	7.75	0.00
HSTDICC500	HSTDICC500	08/07/2025	12:26	PS031380.D	7.75	0.00
HSTDICC750	HSTDICC750	08/07/2025	12:50	PS031381.D	7.75	0.00
HSTDICC1000	HSTDICC1000	08/07/2025	13:14	PS031382.D	7.75	0.00
HSTDICC1500	HSTDICC1500	08/07/2025	13:38	PS031383.D	7.75	0.00
I.BLK	I.BLK	08/19/2025	12:45	PS031493.D	7.75	0.00
HSTDCCC750	HSTDCCC750	08/19/2025	13:09	PS031494.D	7.74	0.00
PB169287BL	PB169287BL	08/19/2025	17:08	PS031495.D	7.74	0.00
PB169287BS	PB169287BS	08/19/2025	17:32	PS031496.D	7.74	0.00
OU4-TS-GRILLO-TSCP03-081425	Q2879-01	08/19/2025	17:56	PS031497.D	7.74	0.00
OU4-TS-GRILLO-TSCP04-081425	Q2879-03	08/19/2025	18:20	PS031498.D	7.75	0.00
OU4-TS-GRILLO-TSCP05-081425	Q2879-05	08/19/2025	18:44	PS031499.D	7.74	0.00
OU4-TS-GRILLO-TSCP06-081425	Q2879-07	08/19/2025	19:08	PS031500.D	7.74	0.00
I.BLK	I.BLK	08/19/2025	19:57	PS031502.D	7.74	0.00
HSTDCCC750	HSTDCCC750	08/19/2025	20:21	PS031503.D	7.74	0.00
OU4-TS-GRILLO-TSCP09-081425	Q2879-13	08/19/2025	21:57	PS031505.D	7.75	0.00
OU4-TS-GRILLO-TSCP10-081425	Q2879-15	08/19/2025	22:22	PS031506.D	7.74	0.00
I.BLK	I.BLK	08/20/2025	00:46	PS031512.D	7.74	0.00
HSTDCCC750	HSTDCCC750	08/20/2025	01:10	PS031513.D	7.74	0.00
I.BLK	I.BLK	08/20/2025	08:41	PS031515.D	7.74	0.00
HSTDCCC750	HSTDCCC750	08/20/2025	09:05	PS031516.D	7.74	0.00
OU4-TS-GRILLO-TSCP04-081425RE	Q2879-03RE	08/20/2025	09:29	PS031517.D	7.75	0.00
OU4-TS-GRILLO-TSCP07-081425	Q2879-09	08/20/2025	09:53	PS031518.D	7.74	0.00
OU4-TS-GRILLO-TSCP08-081425	Q2879-11	08/20/2025	10:21	PS031519.D	7.74	0.00
OU4-TS-GRILLO-TSCP09-081425RE	Q2879-13RE	08/20/2025	10:45	PS031520.D	7.75	0.00
OU4-TS-GRILLO-TSCP11-081425	Q2879-17	08/20/2025	11:35	PS031521.D	7.74	0.00
VNJ-210MS	Q2888-01MS	08/20/2025	11:59	PS031522.D	7.74	0.00
VNJ-210MSD	Q2888-01MSD	08/20/2025	12:24	PS031523.D	7.74	0.00
I.BLK	I.BLK	08/20/2025	14:47	PS031524.D	7.74	0.00
HSTDCCC750	HSTDCCC750	08/20/2025	15:11	PS031525.D	7.74	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169287BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Lab Sample ID: PB169287BS **Date(s) Analyzed:** 08/19/2025 08/19/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-T	1	9.59	9.54	9.64	191	11
	2	10.32	10.27	10.37	171	
2,4,5-TP(Silvex)	1	9.29	9.24	9.34	191	7
	2	9.90	9.85	9.95	178	
2,4-D	1	8.42	8.37	8.47	186	6.1
	2	9.00	8.95	9.05	175	
2,4-DB	1	10.17	10.12	10.22	178	13.2
	2	10.89	10.84	10.94	156	
Dalapon	1	2.67	2.62	2.72	156	3.9
	2	2.69	2.64	2.74	150	
DICHLORPROP	1	8.18	8.13	8.23	185	7.3
	2	8.66	8.61	8.71	172	
Dinoseb	1	11.36	11.31	11.41	190	7.7
	2	11.27	11.22	11.32	176	
DICAMBA	1	7.47	7.42	7.52	184	6.7
	2	7.94	7.89	7.99	172	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

VNJ-210MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Lab Sample ID: Q2888-01MS **Date(s) Analyzed:** 08/20/2025 08/20/2025

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	9.58	9.53	9.63	95.6	9.6
	2	10.32	10.27	10.37	86.8	
2,4,5-TP(Silvex)	1	9.29	9.24	9.34	82.4	39.5
	2	9.89	9.84	9.94	123	
Dalapon	1	2.66	2.61	2.71	115	38.6
	2	2.69	2.64	2.74	170	
2,4-D	1	8.41	8.36	8.46	142	30
	2	9.00	8.95	9.05	105	
2,4-DB	1	10.16	10.11	10.21	64.5	26.5
	2	10.89	10.84	10.94	84.2	
DICHLORPROP	1	8.18	8.13	8.23	87.1	9
	2	8.66	8.61	8.71	95.3	
DICAMBA	1	7.47	7.42	7.52	92.5	1.4
	2	7.94	7.89	7.99	93.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

VNJ-210MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2879

Lab Sample ID: Q2888-01MSD **Date(s) Analyzed:** 08/20/2025 08/20/2025

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	9.59	9.54	9.64	96.2	11.2
	2	10.32	10.27	10.37	86.0	
Dalapon	1	2.66	2.61	2.71	154	8.1
	2	2.68	2.63	2.73	167	
DICHLORPROP	1	8.18	8.13	8.23	92.2	2.9
	2	8.65	8.60	8.70	94.9	
2,4-D	1	8.42	8.37	8.47	145	29.2
	2	8.99	8.94	9.04	108	
2,4,5-TP(Silvex)	1	9.29	9.24	9.34	83.5	38.3
	2	9.89	9.84	9.94	123	
2,4-DB	1	10.16	10.11	10.21	58.8	33
	2	10.89	10.84	10.94	82.0	
DICAMBA	1	7.47	7.42	7.52	93.1	0.7
	2	7.94	7.89	7.99	93.8	

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB169287BL	SDG No.:	Q2879
Lab Sample ID:	PB169287BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031495.D	1	08/18/25 09:40	08/19/25 17:08	PB169287

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	525		27 - 122		105%	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\PS081925\
Data File : PS031495.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:08
Operator : AR\AJ
Sample : PB169287BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169287BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.290	7.739	1551.7E6	443.8E6	488.885	525.042
	Target Compounds						

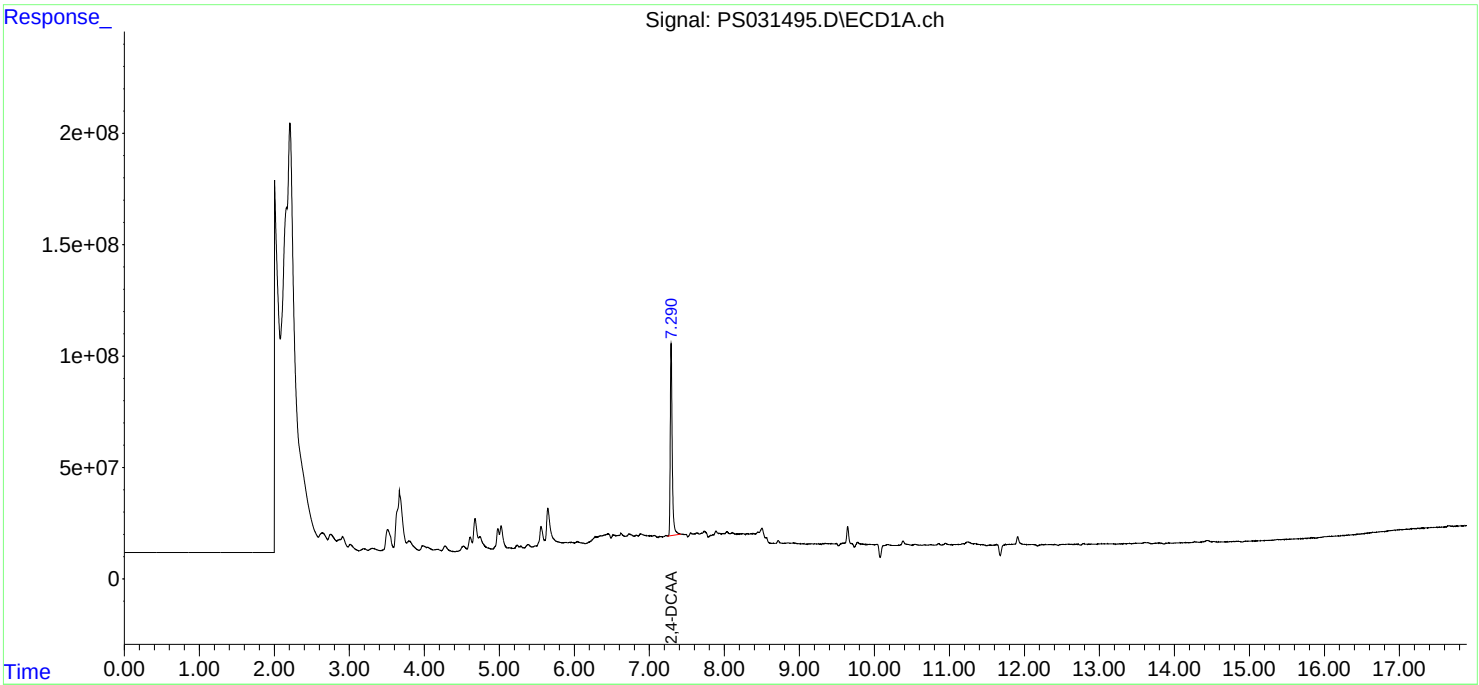
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

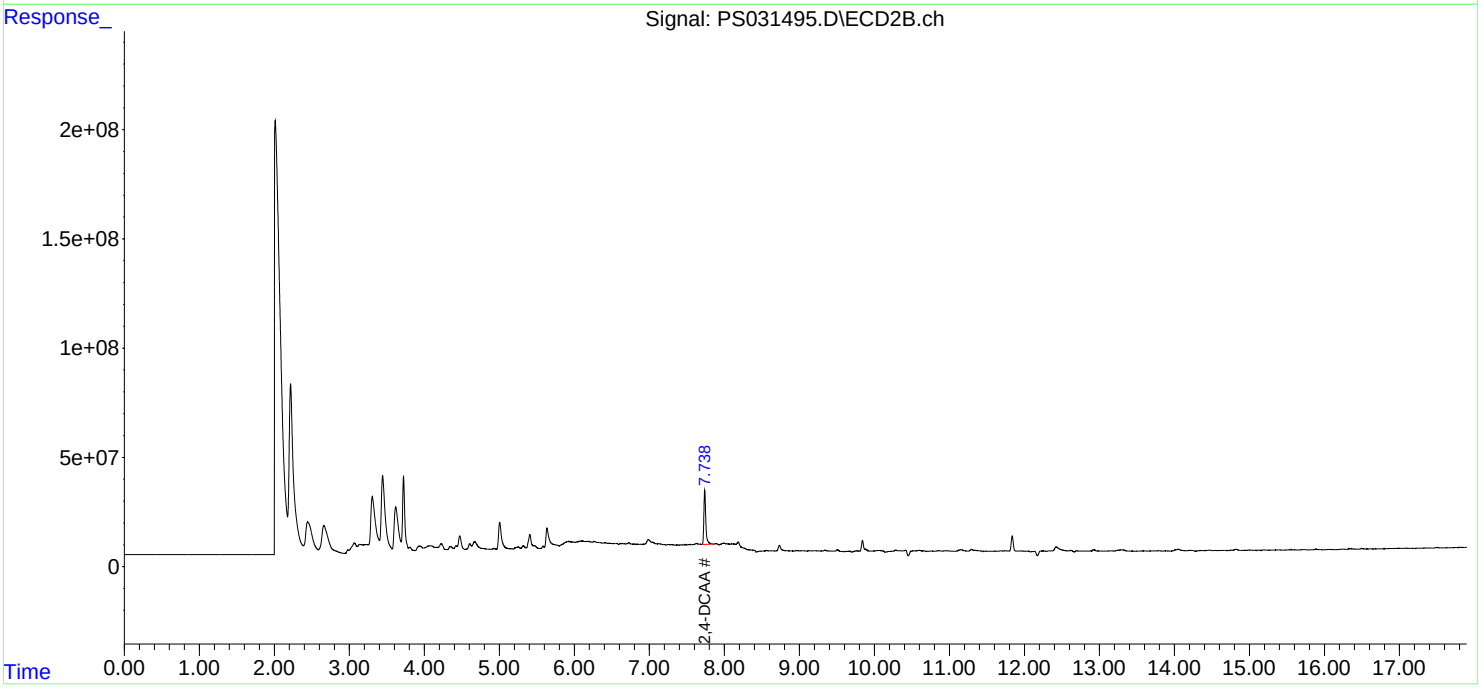
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031495.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:08
Operator : AR\AJ
Sample : PB169287BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

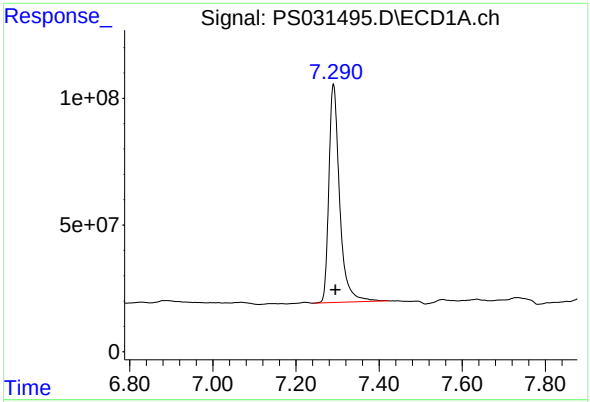
Instrument :
ECD_S
ClientSampleId :
PB169287BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



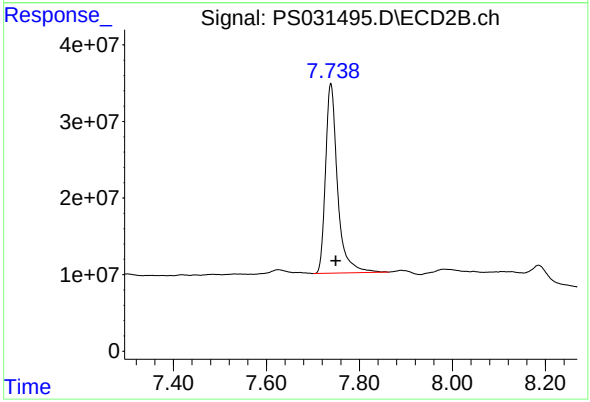




#4 2,4-DCAA

R.T.: 7.290 min
Delta R.T.: -0.005 min
Response: 1551714162
Conc: 488.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BL



#4 2,4-DCAA

R.T.: 7.739 min
Delta R.T.: -0.011 min
Response: 443838641
Conc: 525.04 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	08/07/25
Project:	Raymark Superfund Site	Date Received:	08/07/25
Client Sample ID:	PIBLK-PS031378.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PS031378.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
PS031378.D	1		08/07/25	ps080725

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	503		32 - 138		101%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031378.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 11:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:20:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.295	7.750	1335.9E6	425.4E6	420.882	503.242
	Target Compounds						

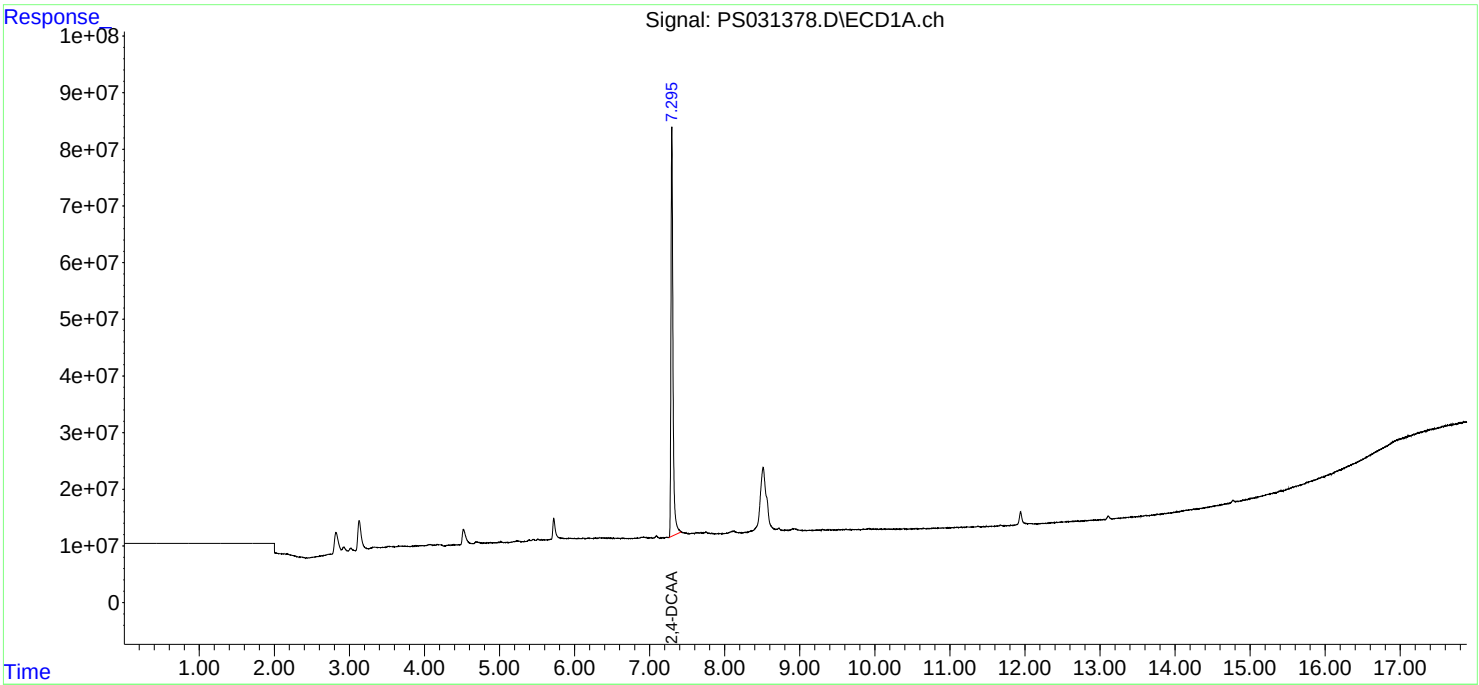
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

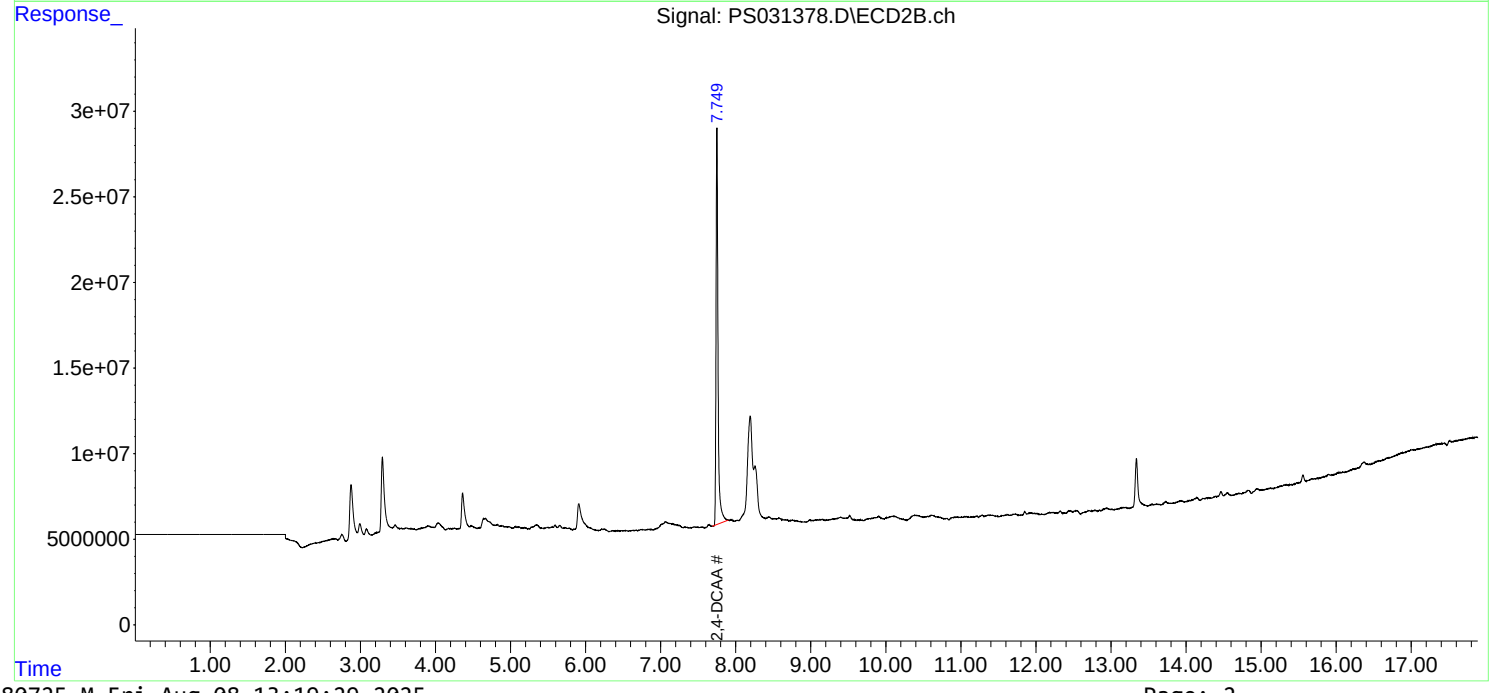
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031378.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 11:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

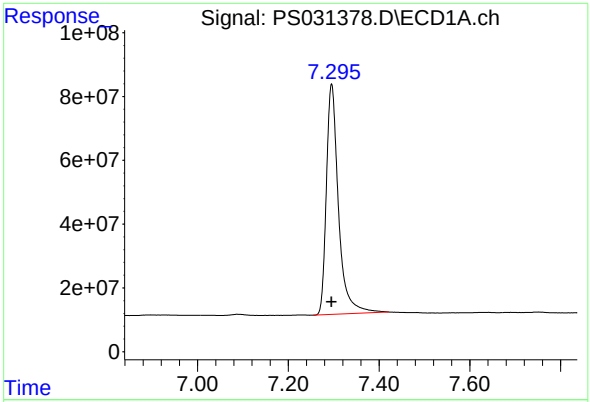
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:20:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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



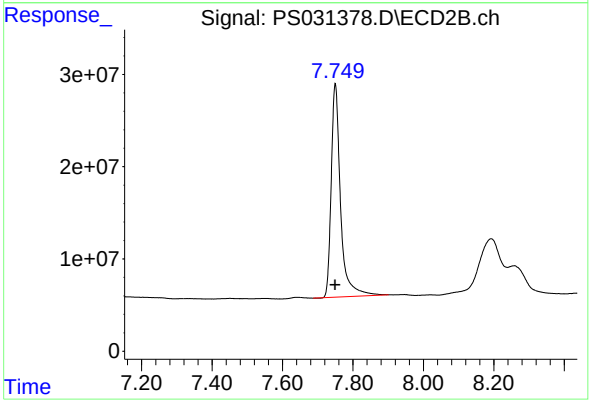




#4 2,4-DCAA

R.T.: 7.295 min
Delta R.T.: 0.000 min
Response: 1335874357
Conc: 420.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.750 min
Delta R.T.: 0.000 min
Response: 425410554
Conc: 503.24 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:	08/19/25
Project:	Raymark Superfund Site	Date Received:	08/19/25
Client Sample ID:	PIBLK-PS031493.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PS031493.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
PS031493.D	1		08/19/25	ps081925

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	500		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\PS081925\
Data File : PS031493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 12:45
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 20 06:23:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.290	7.745	1472.2E6	422.9E6	463.842	500.258
	Target Compounds						

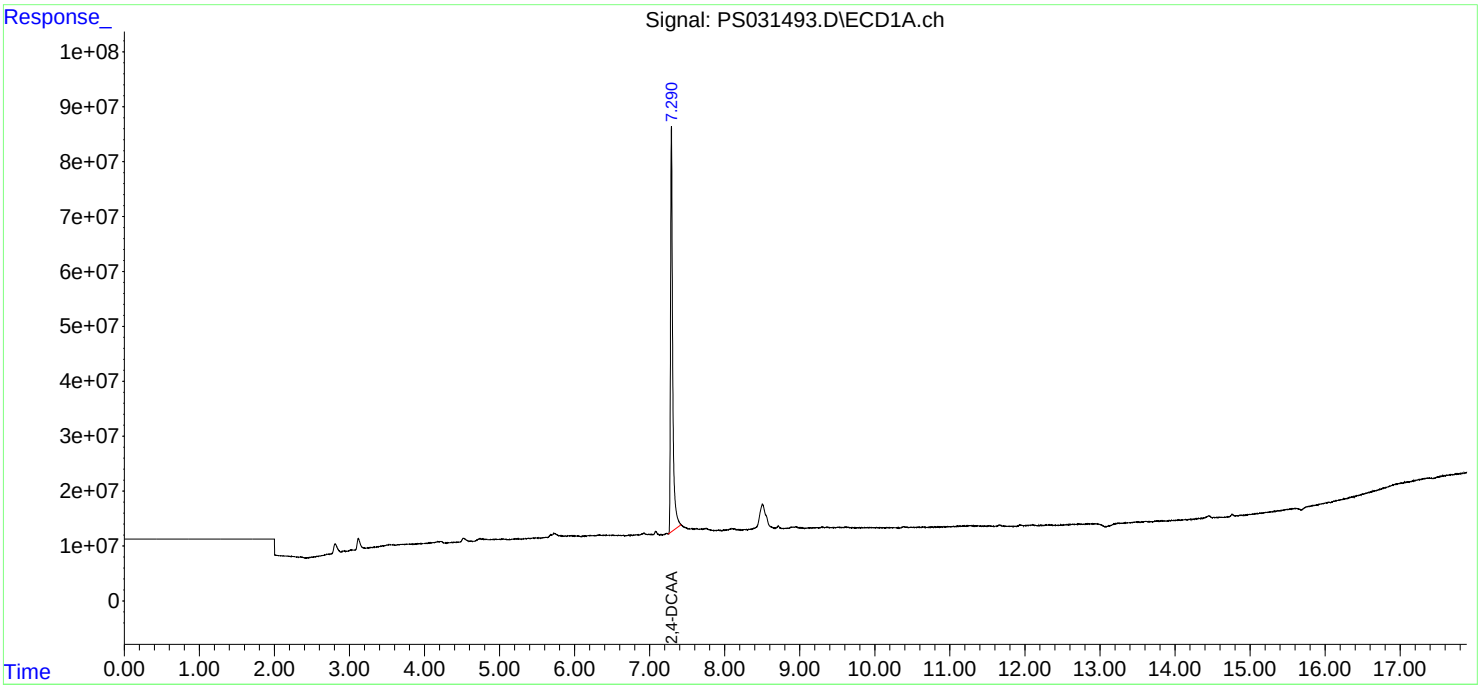
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

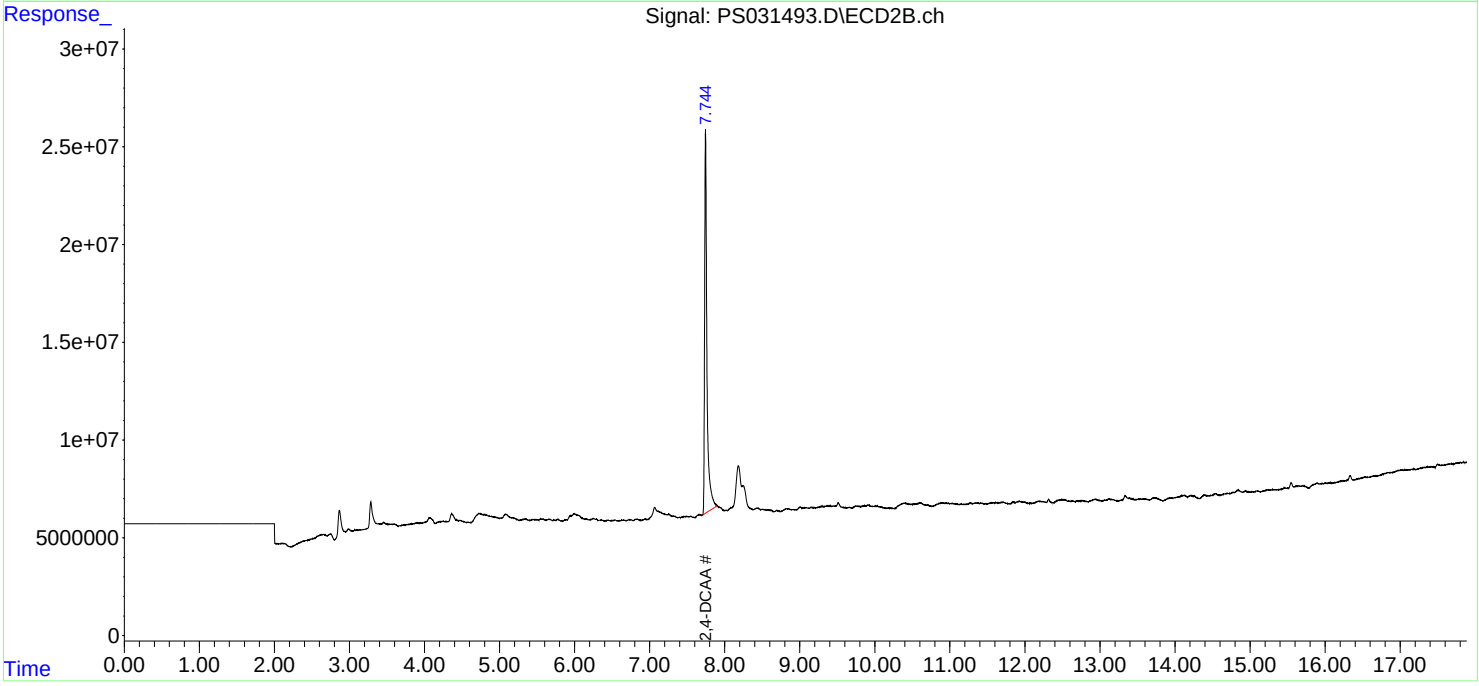
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 12:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

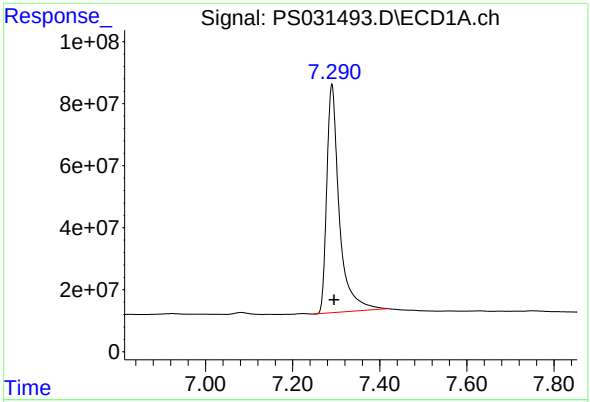
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



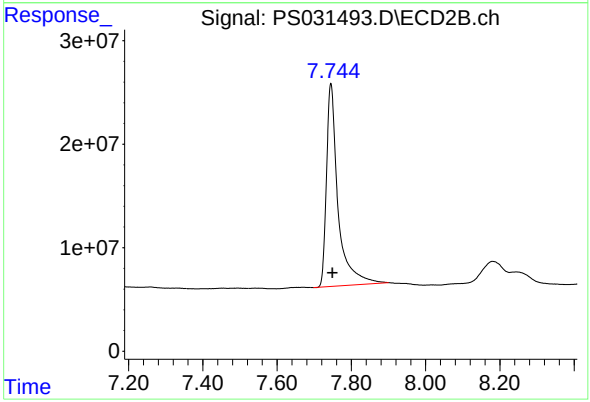




#4 2,4-DCAA

R.T.: 7.290 min
Delta R.T.: -0.005 min
Response: 1472229157
Conc: 463.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.745 min
Delta R.T.: -0.004 min
Response: 422888124
Conc: 500.26 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:	08/19/25
Project:	Raymark Superfund Site	Date Received:	08/19/25
Client Sample ID:	PIBLK-PS031502.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PS031502.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
PS031502.D	1		08/19/25	ps081925

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	548		32 - 138		110%	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\PS081925\
Data File : PS031502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 19:57
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 20 06:24:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.287	7.743	1645.5E6	463.1E6	518.423	547.808
	Target Compounds						

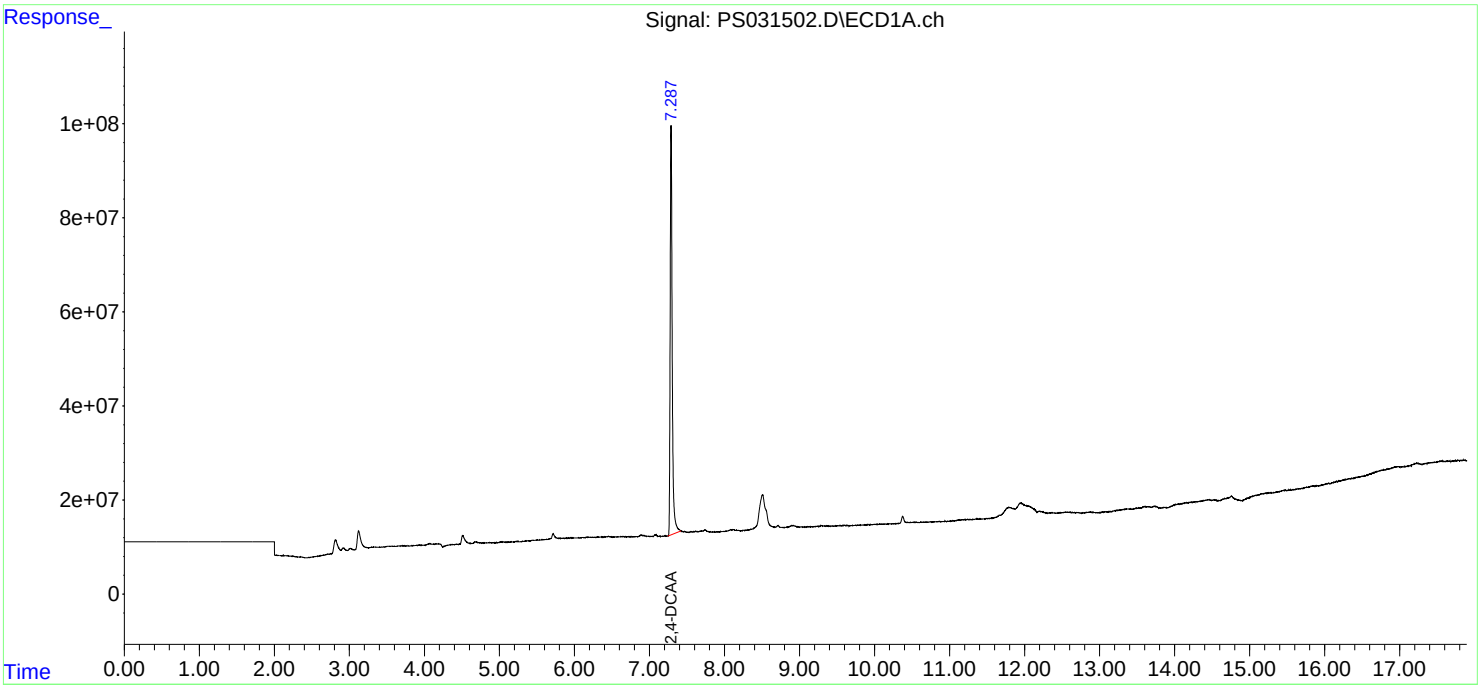
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

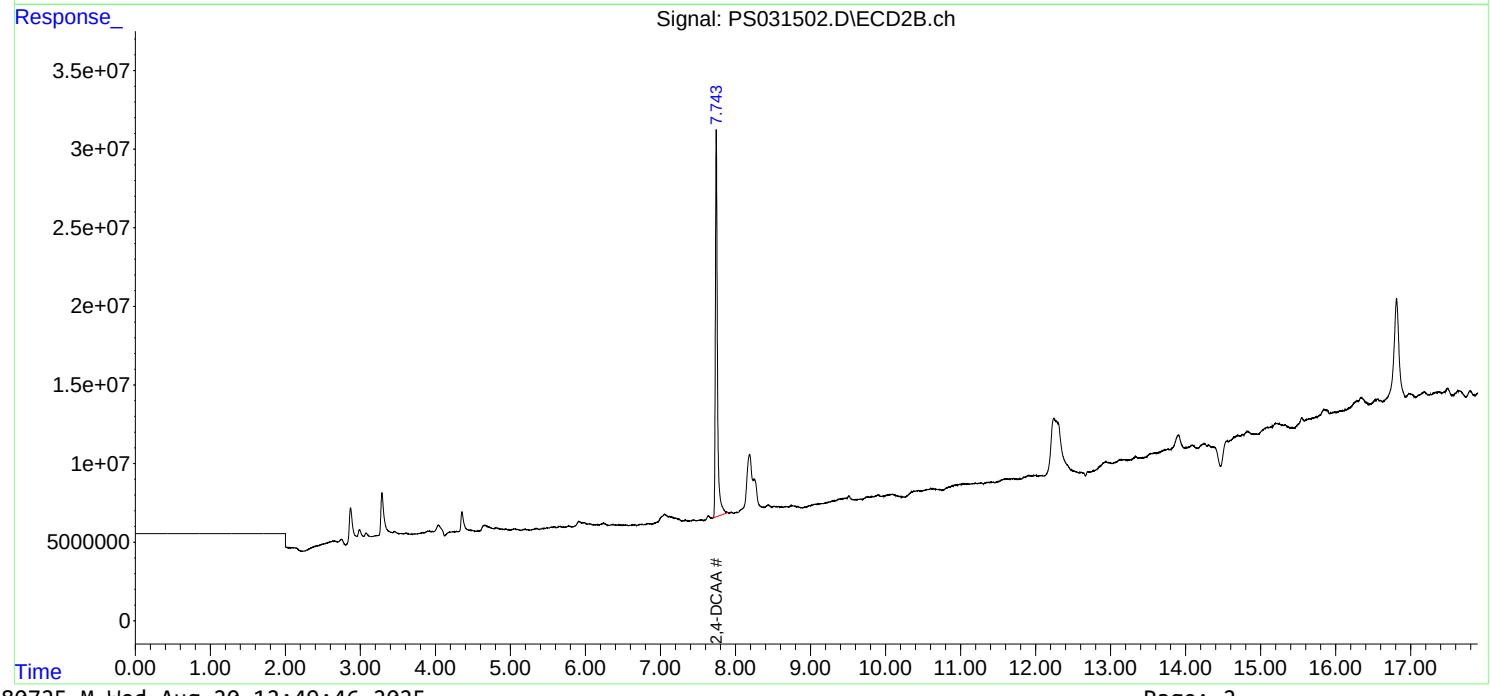
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 19:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

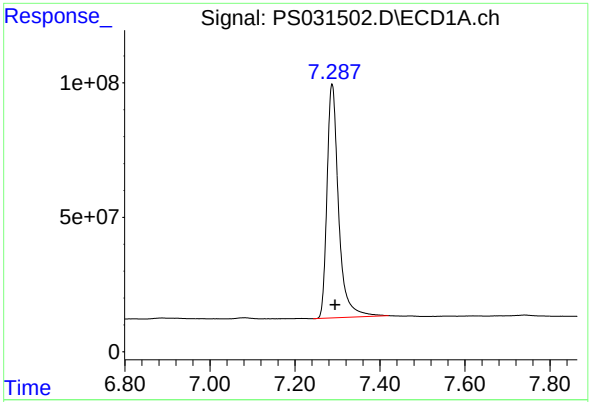
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:24:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



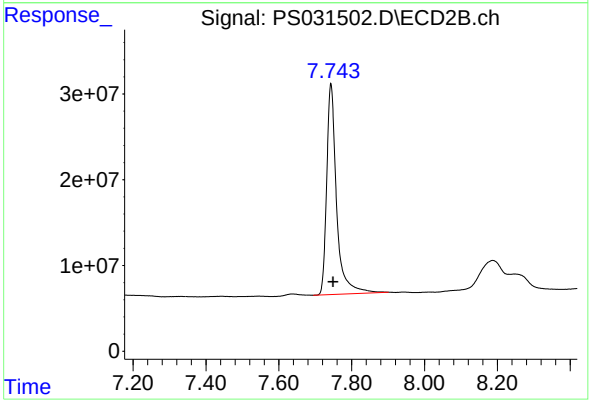




#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: -0.007 min
Response: 1645469039
Conc: 518.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 463083626
Conc: 547.81 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:	08/20/25
Project:	Raymark Superfund Site	Date Received:	08/20/25
Client Sample ID:	PIBLK-PS031512.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PS031512.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
PS031512.D	1		08/20/25	ps081925

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	562		32 - 138		112%	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\PS081925\
Data File : PS031512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 00:46
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 20 06:26:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.287	7.743	1668.7E6	474.7E6	525.732	561.580
	Target Compounds						

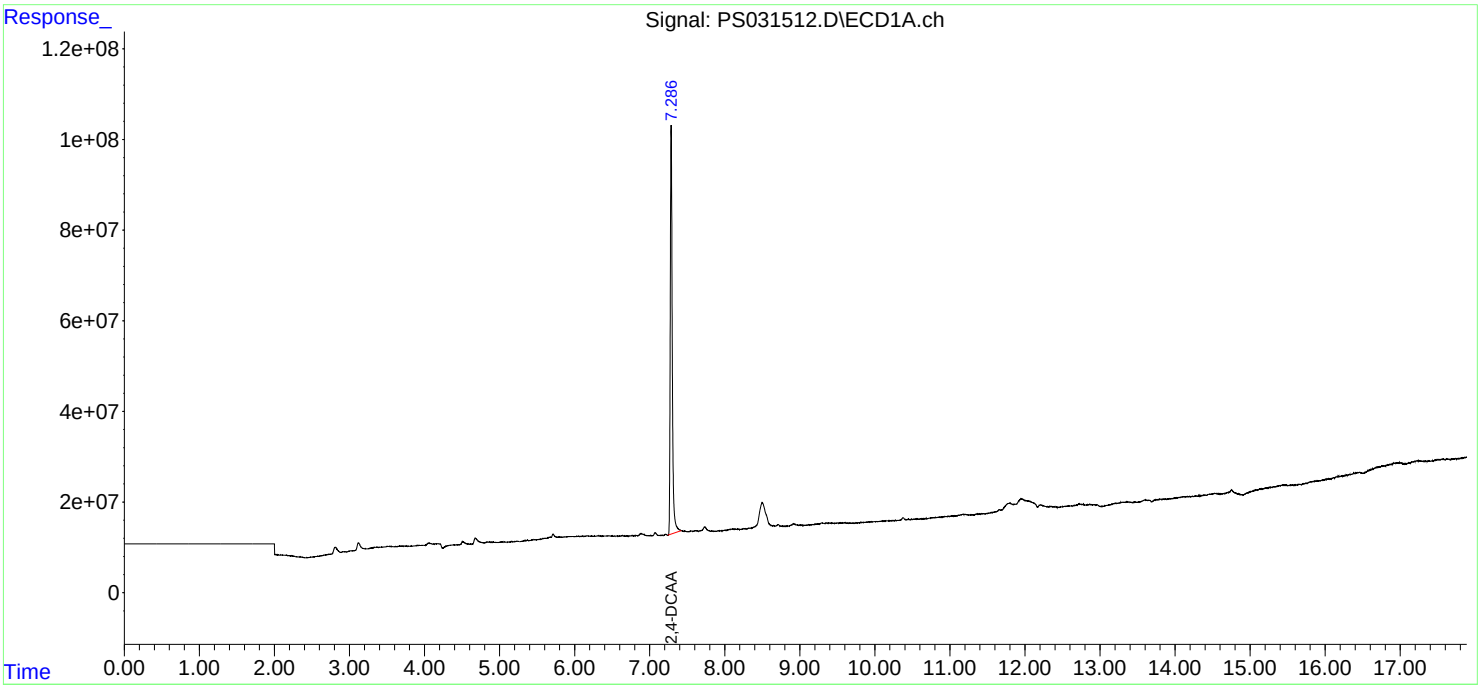
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

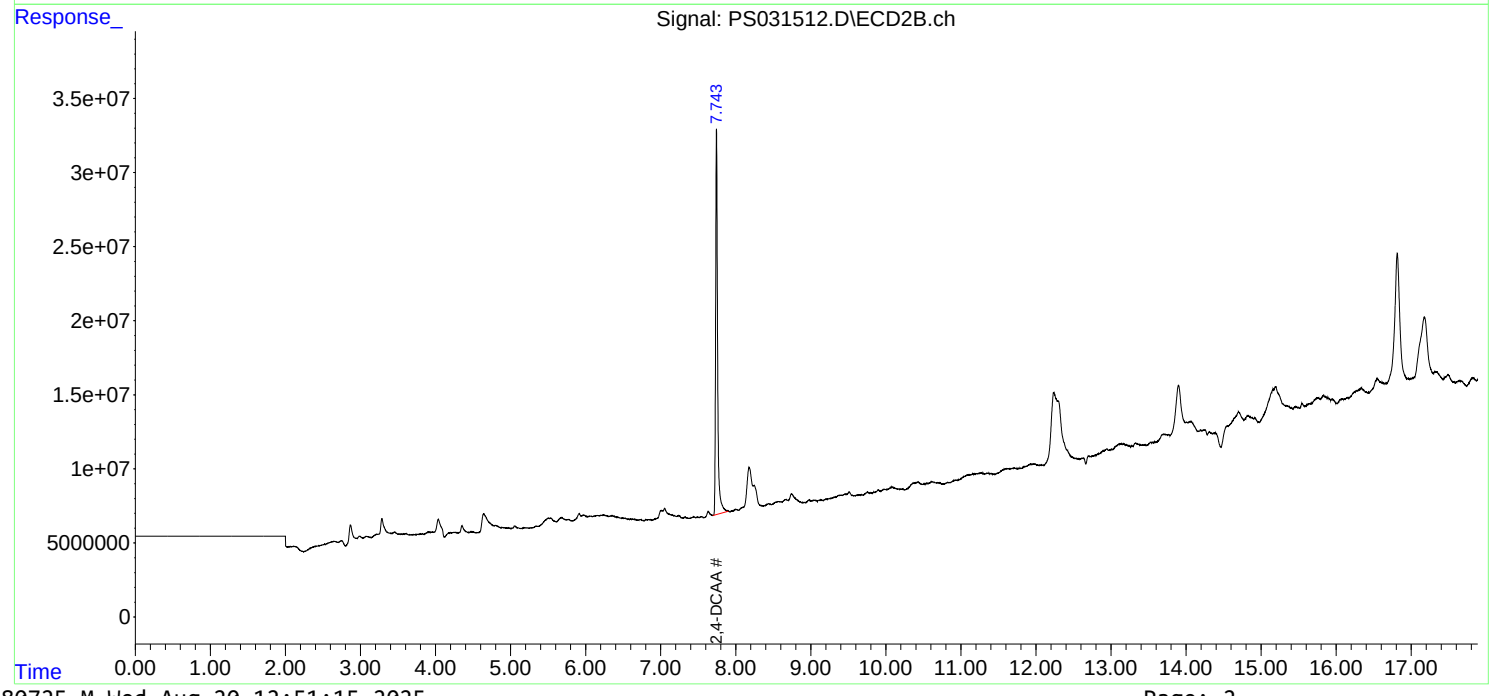
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 00:46
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

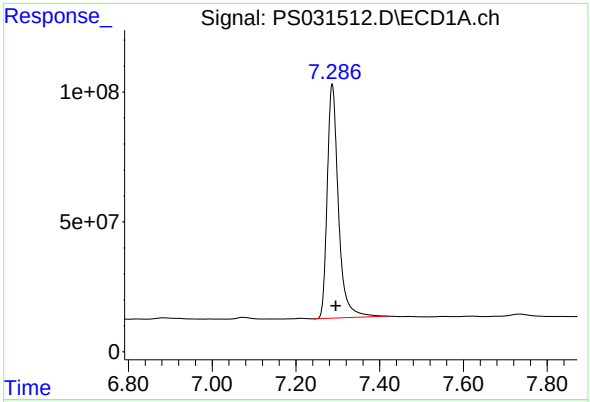
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:26:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



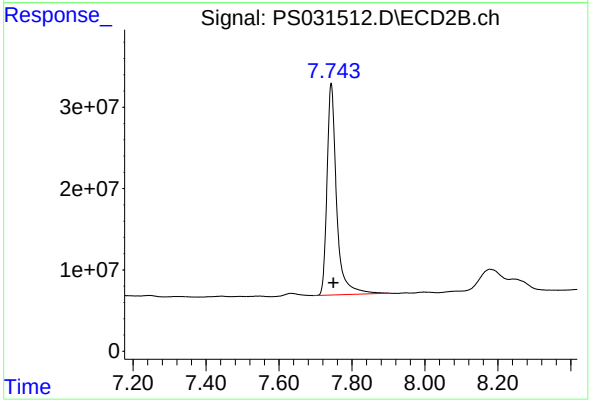




#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: -0.008 min
Response: 1668668446
Conc: 525.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 474725804
Conc: 561.58 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:	08/20/25
Project:	Raymark Superfund Site	Date Received:	08/20/25
Client Sample ID:	PIBLK-PS031515.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PS031515.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
PS031515.D	1		08/20/25	PS082025

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	543		32 - 138		109%	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\PS082025\
Data File : PS031515.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 08:41
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 20 10:55:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.289	7.744	1601.4E6	458.9E6	504.543	542.827
	Target Compounds						

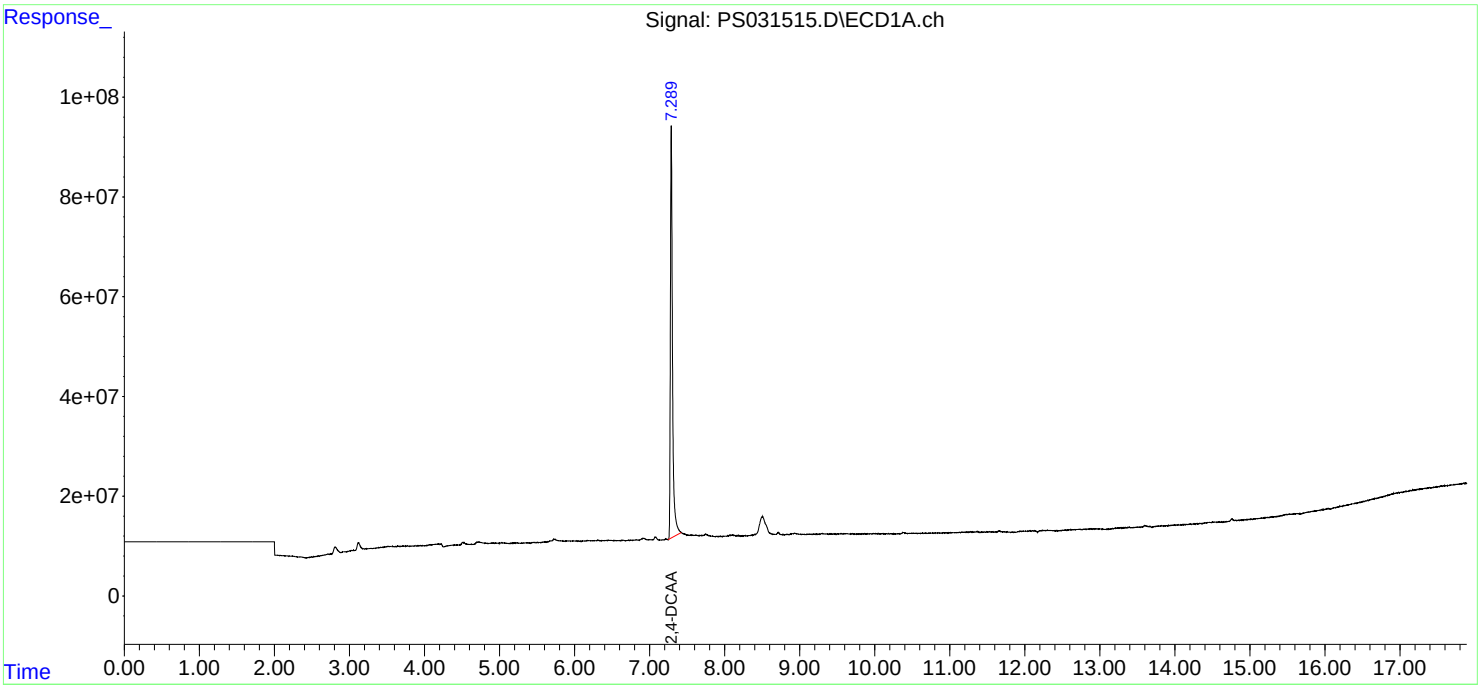
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

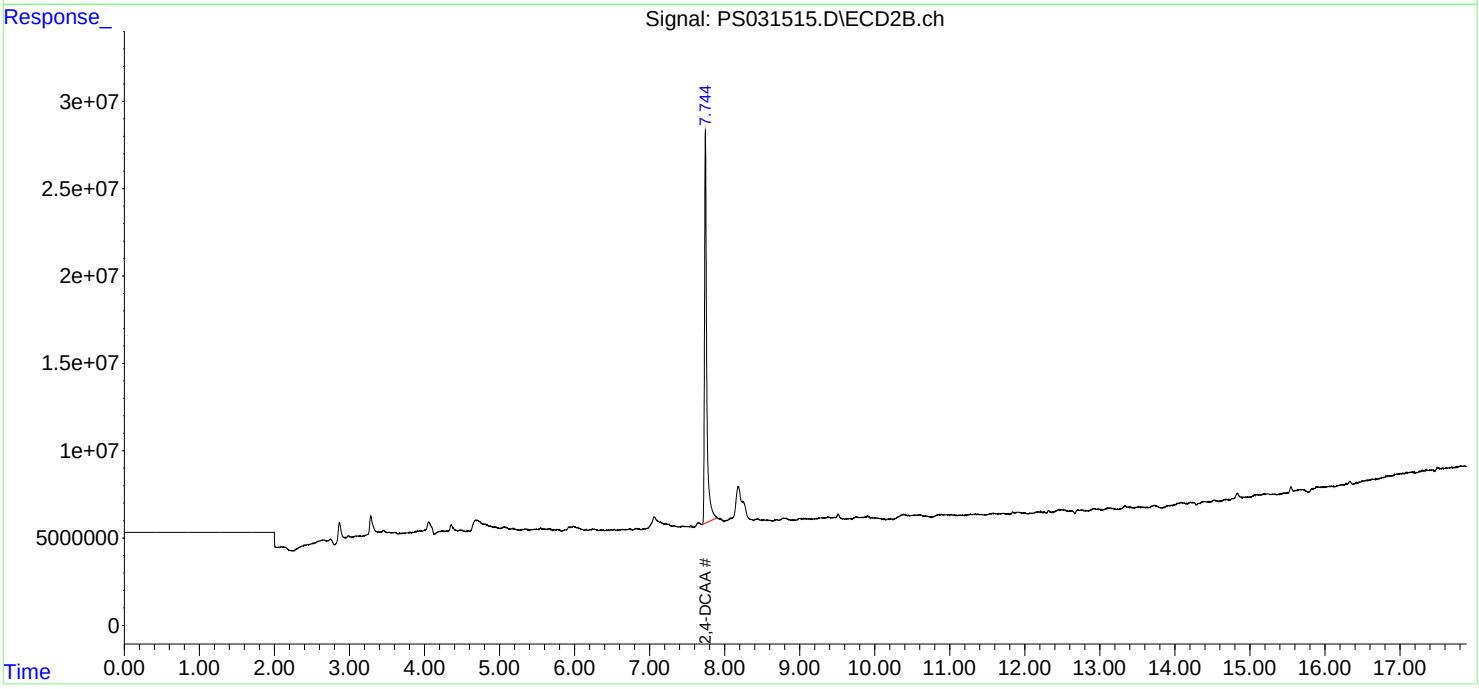
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031515.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 08:41
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

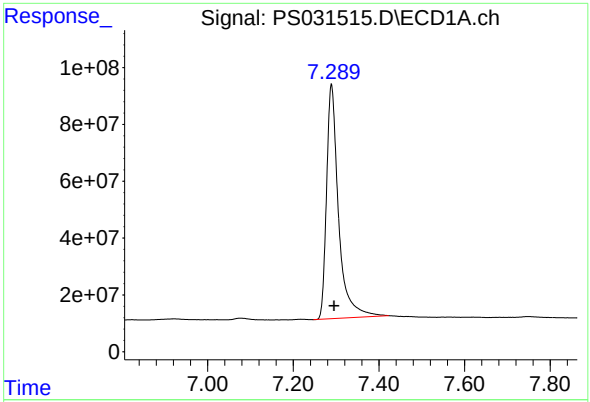
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:55:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



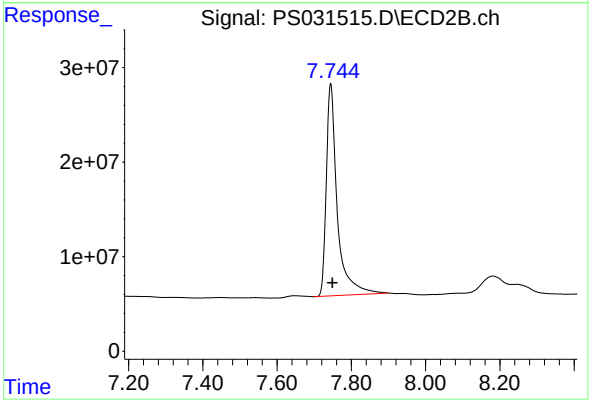




#4 2,4-DCAA

R.T.: 7.289 min
Delta R.T.: -0.005 min
Response: 1601412349
Conc: 504.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: -0.005 min
Response: 458873368
Conc: 542.83 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:	08/20/25
Project:	Raymark Superfund Site	Date Received:	08/20/25
Client Sample ID:	PIBLK-PS031524.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PS031524.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
PS031524.D	1		08/20/25	PS082025

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	572		32 - 138		114%	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\PS082025\
Data File : PS031524.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 14:47
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 20 16:46:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.287	7.742	1704.6E6	483.1E6	537.051	571.526
	Target Compounds						

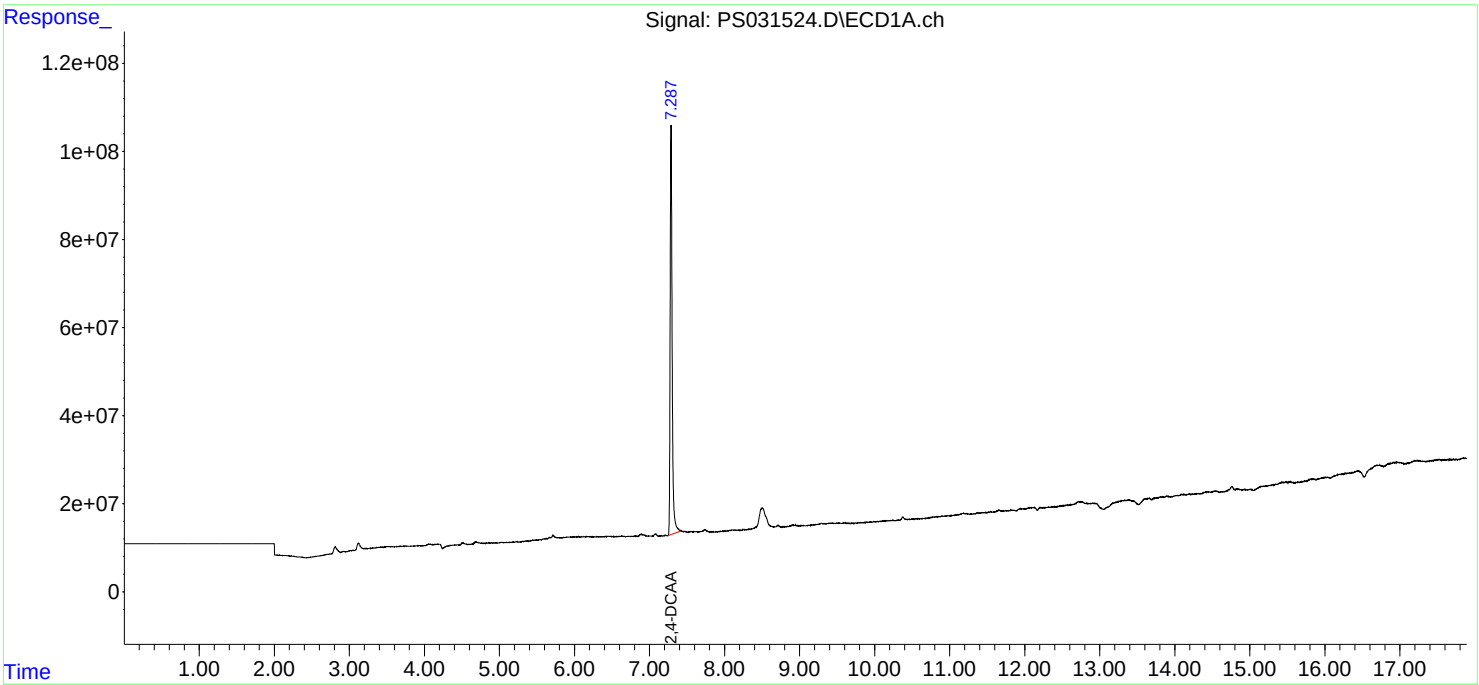
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

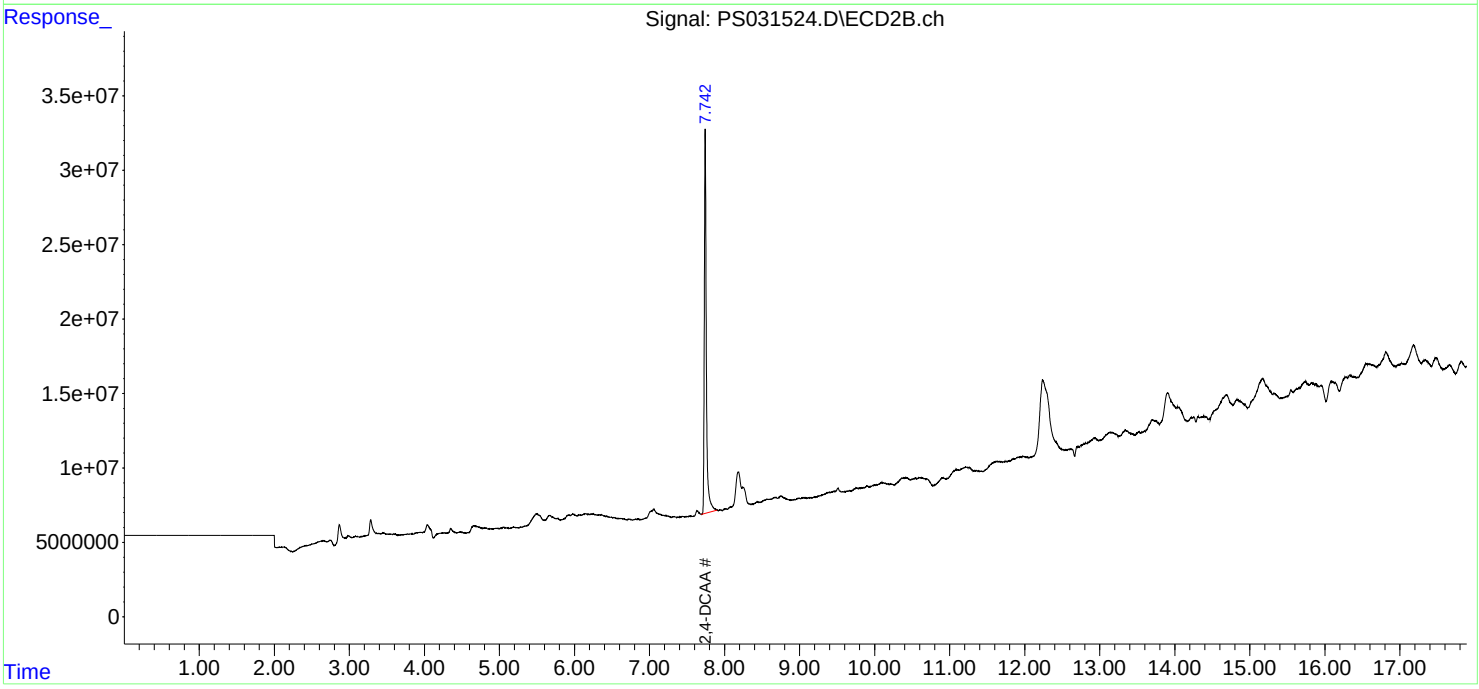
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031524.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 14:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

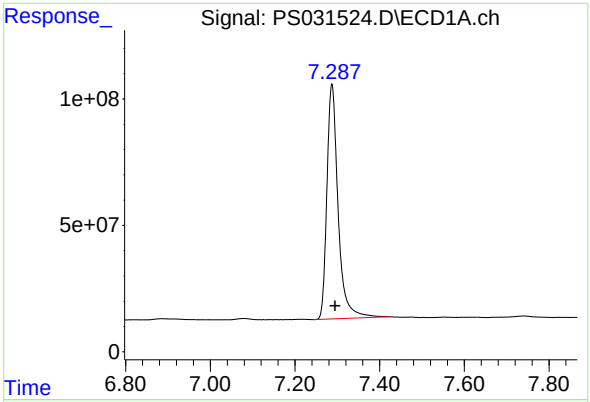
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:46:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



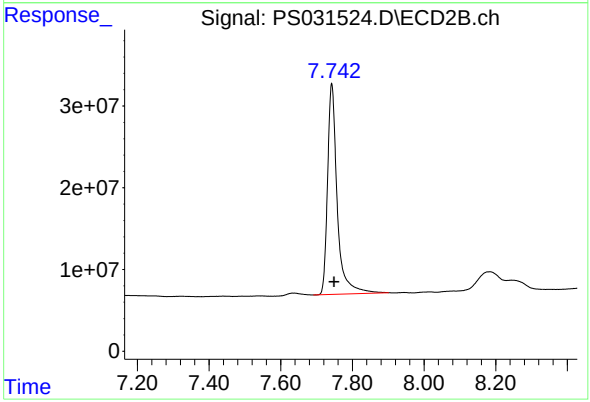




#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: -0.008 min
Response: 1704594358
Conc: 537.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 483133317
Conc: 571.53 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:	PB169287BS	SDG No.:	Q2879
Lab Sample ID:	PB169287BS	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
PS031496.D	1	08/18/25 09:40	08/19/25 17:32	PB169287

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	0.16		0.018	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.19		0.013	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.19		0.0090	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.19		0.0091	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.19		0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.18		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	592		27 - 122		118%	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\PS081925\
Data File : PS031496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:32
Operator : AR\AJ
Sample : PB169287BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169287BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.289	7.744	1879.4E6	448.0E6	592.123	530.002
	Target Compounds						
1) T	Dalapon	2.672	2.693	2466.0E6	1200.2E6	469.815	451.023
2) T	3,5-DICHL...	6.455	6.695	2617.4E6	723.2E6	554.723	534.933
3) T	4-Nitroph...	7.098	7.294	559.4E6	584.4E6	542.249	464.957
5) T	DICAMBA	7.473	7.940	7731.8E6	2931.4E6	553.597	515.850
6) T	MCPP	7.650	8.035	403.4E6	98063858	50.149	55.471m
7) T	MCPA	7.799	8.283	522.1E6	133.4E6	52.413	47.542
8) T	DICHLORPROP	8.182	8.660	1764.2E6	690.9E6	556.088	517.545
9) T	2,4-D	8.418	9.001	1607.4E6	748.0E6	558.741	524.087m
10) T	Pentachlo...	8.713	9.510	28461.0E6	19183.9E6	592.783	550.812
11) T	2,4,5-TP ...	9.291	9.895	10281.4E6	7022.1E6	573.618	535.381
12) T	2,4,5-T	9.588	10.324	8419.1E6	6081.5E6	574.636	513.648
13) T	2,4-DB	10.165	10.893	1028.4E6	451.7E6	535.152	468.111
14) T	DINOSEB	11.362	11.269	7226.6E6	4987.7E6	569.987	527.414
15) T	Picloram	11.193	12.393	6221.3E6	7413.8E6	476.578	422.929
16) T	DCPA	11.662	12.310	13480.4E6	11308.9E6	591.784	574.045m

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

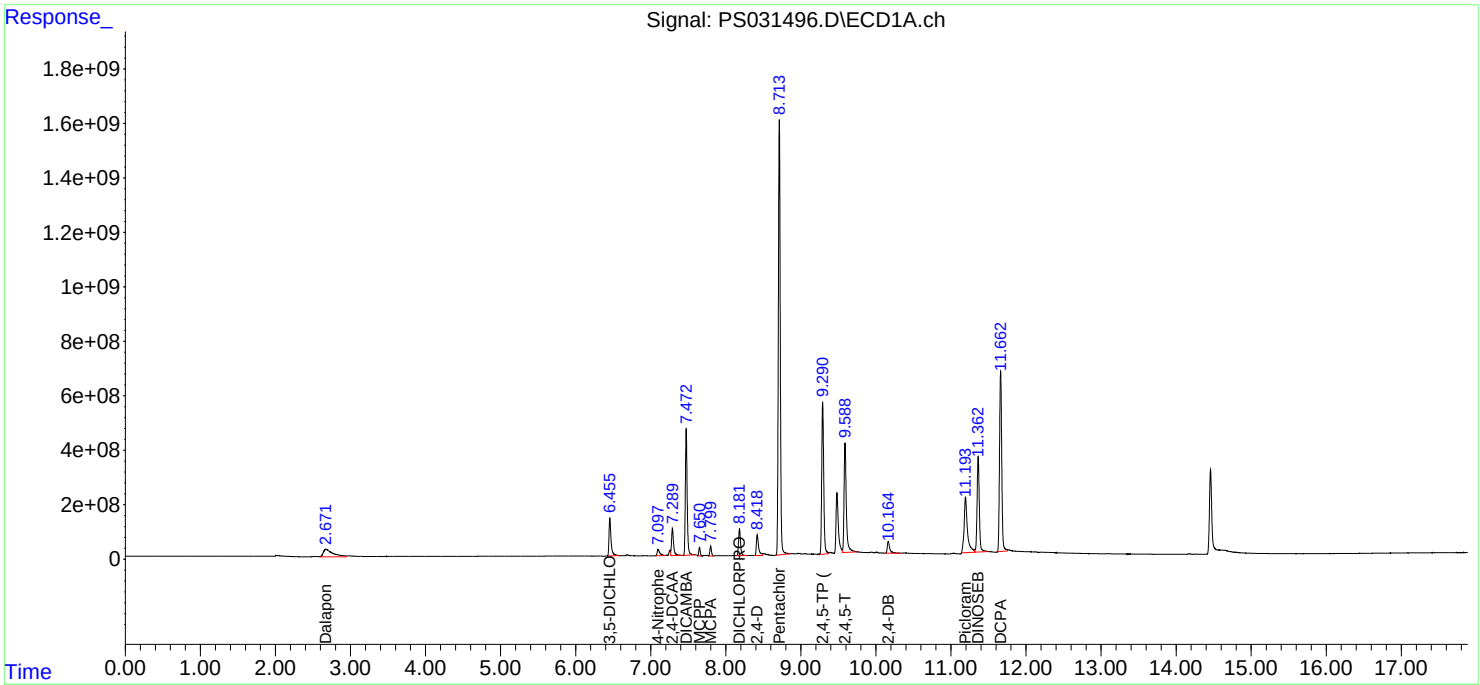
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:32
Operator : AR\AJ
Sample : PB169287BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

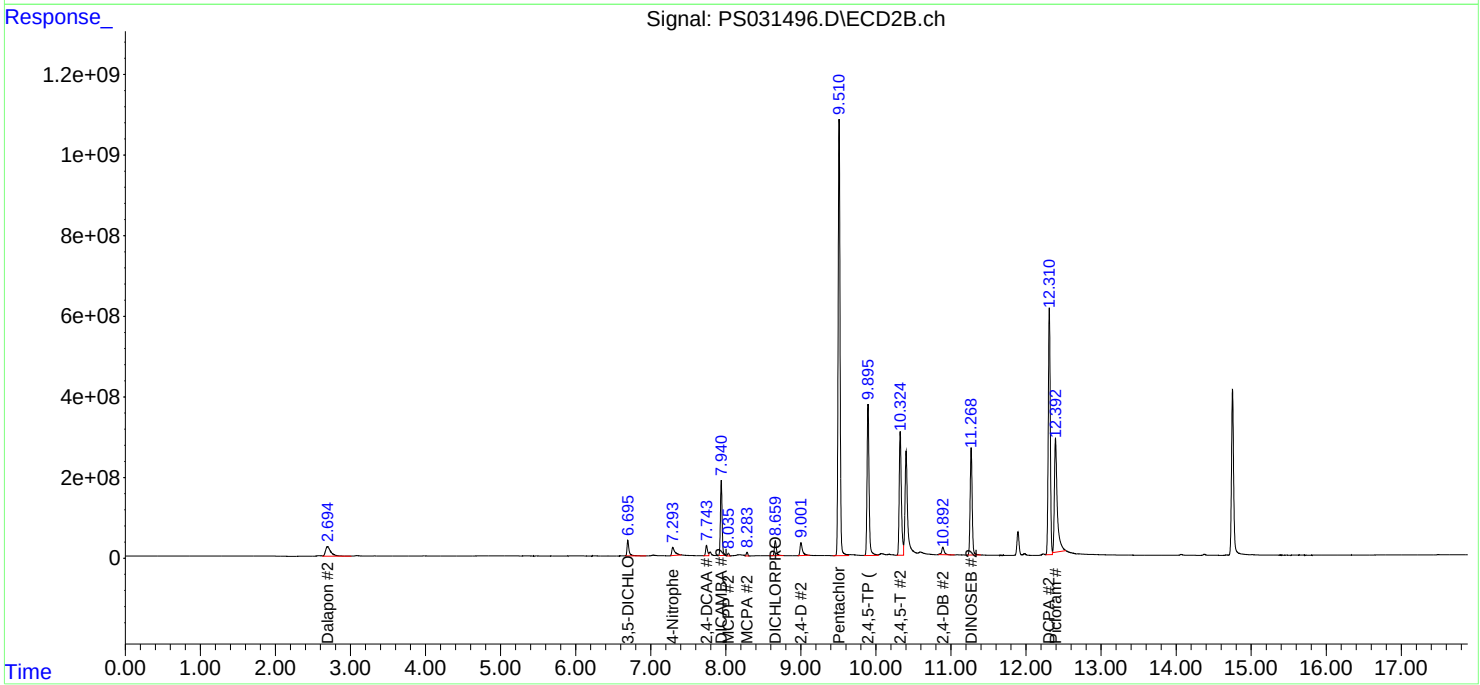
Instrument :
ECD_S
ClientSampleId :
PB169287BS

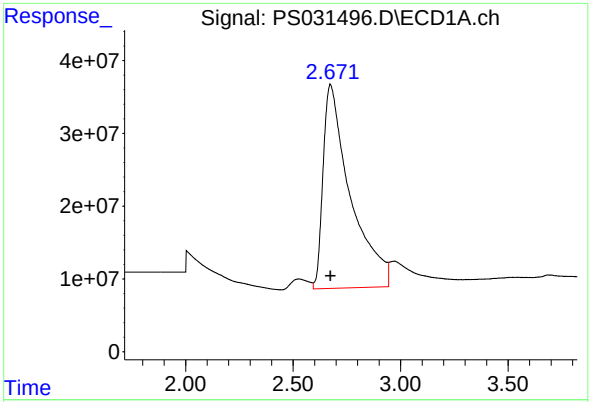
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







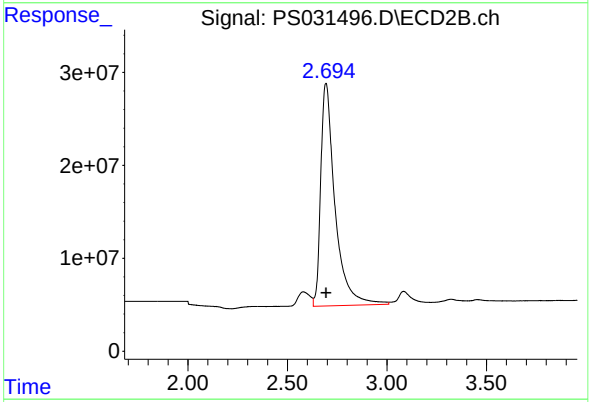
#1 Dalapon

R.T.: 2.672 min
Delta R.T.: -0.002 min
Response: 2466028144
Conc: 469.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS

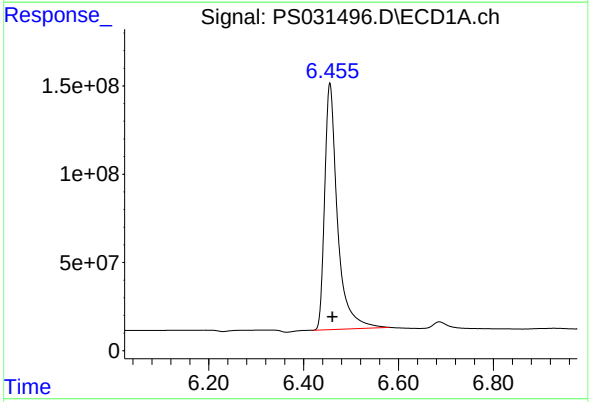
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



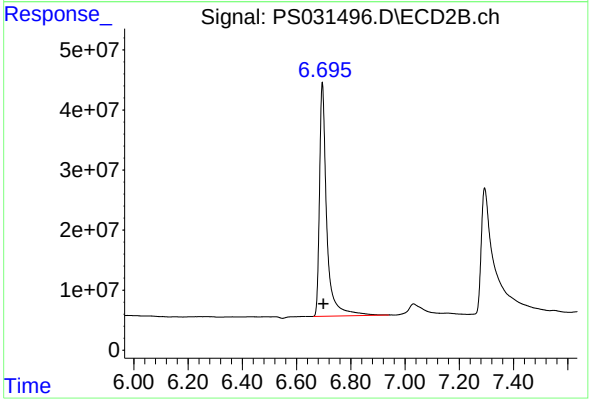
#1 Dalapon

R.T.: 2.693 min
Delta R.T.: -0.002 min
Response: 1200177924
Conc: 451.02 ng/ml



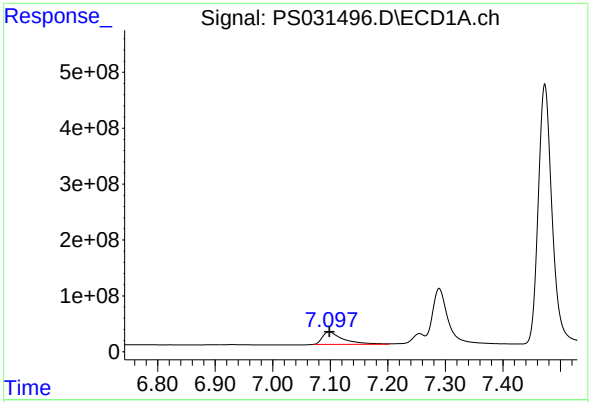
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.455 min
Delta R.T.: -0.005 min
Response: 2617358031
Conc: 554.72 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.695 min
Delta R.T.: -0.004 min
Response: 723191235
Conc: 534.93 ng/ml



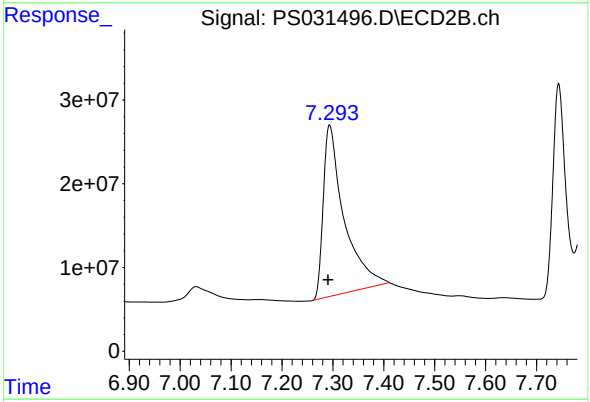
#3 4-Nitrophenol

R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 559427199
Conc: 542.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS

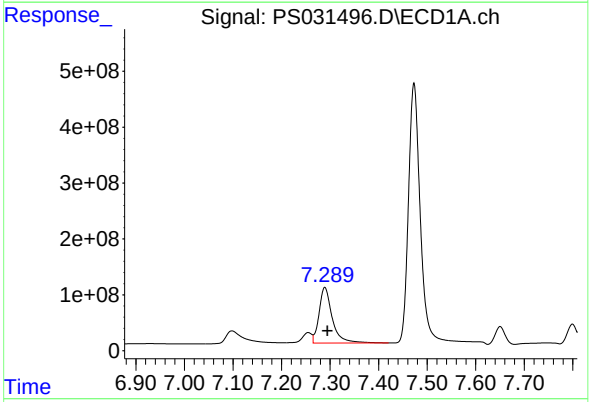
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



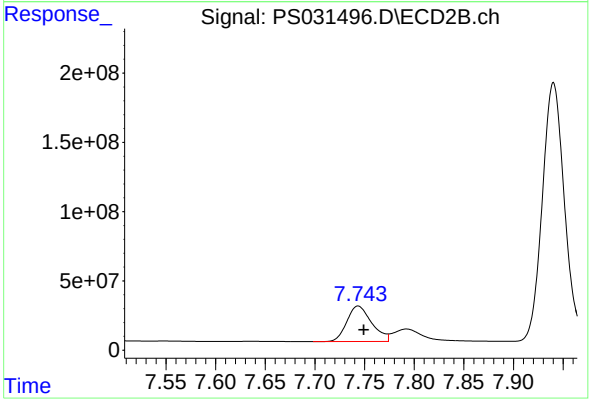
#3 4-Nitrophenol

R.T.: 7.294 min
Delta R.T.: 0.003 min
Response: 584399782
Conc: 464.96 ng/ml



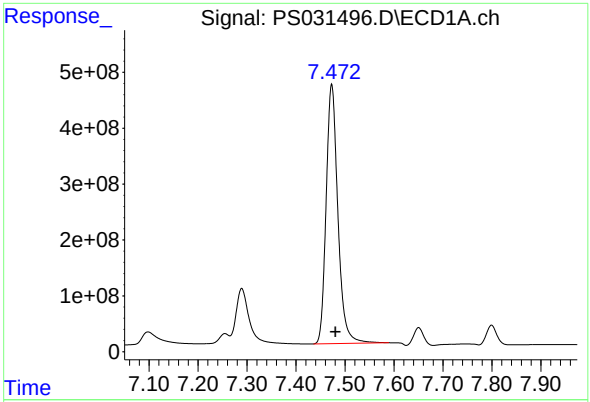
#4 2,4-DCAA

R.T.: 7.289 min
Delta R.T.: -0.006 min
Response: 1879391738
Conc: 592.12 ng/ml



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: -0.006 min
Response: 448031841
Conc: 530.00 ng/ml



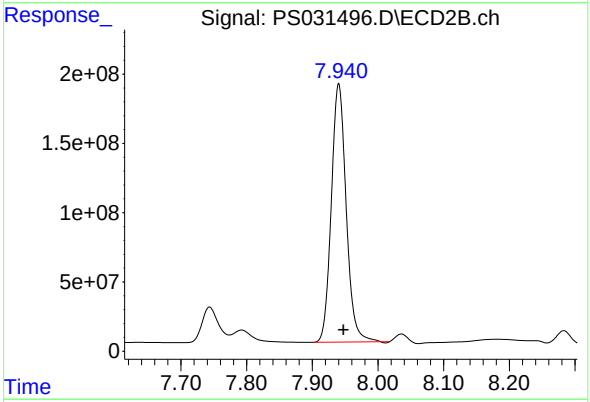
#5 DICAMBA

R.T.: 7.473 min
Delta R.T.: -0.008 min
Response: 7731796953
Conc: 553.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS

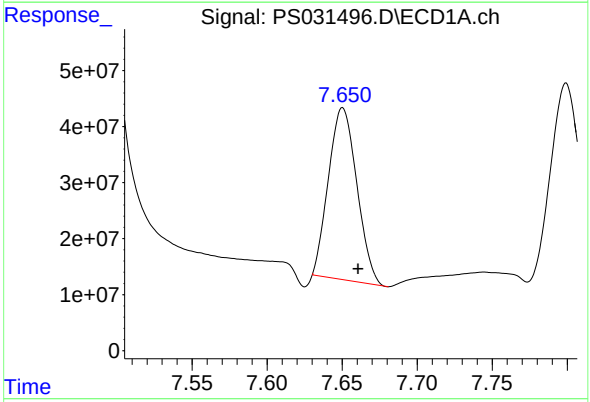
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



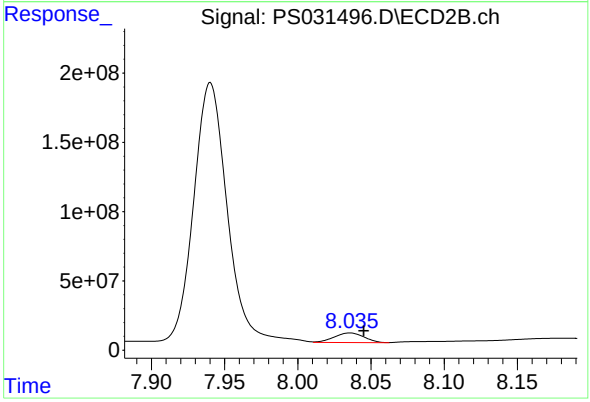
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: -0.007 min
Response: 2931416756
Conc: 515.85 ng/ml



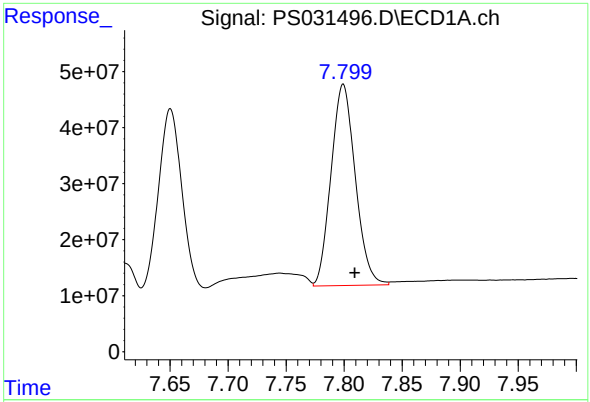
#6 MCPP

R.T.: 7.650 min
Delta R.T.: -0.010 min
Response: 403441462
Conc: 50.15 ug/ml



#6 MCPP

R.T.: 8.035 min
Delta R.T.: -0.010 min
Response: 98063858
Conc: 55.47 ug/ml m



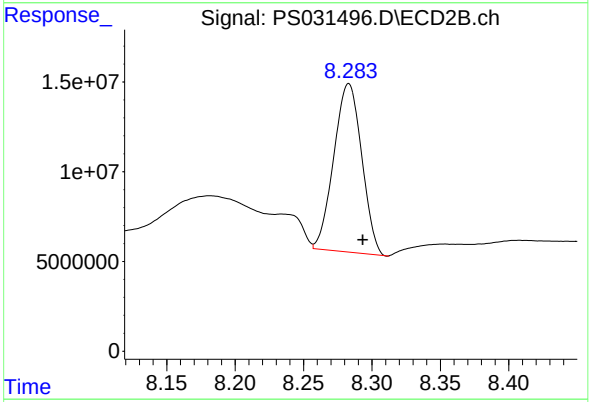
#7 MCPA

R.T.: 7.799 min
Delta R.T.: -0.010 min
Response: 522101170
Conc: 52.41 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS

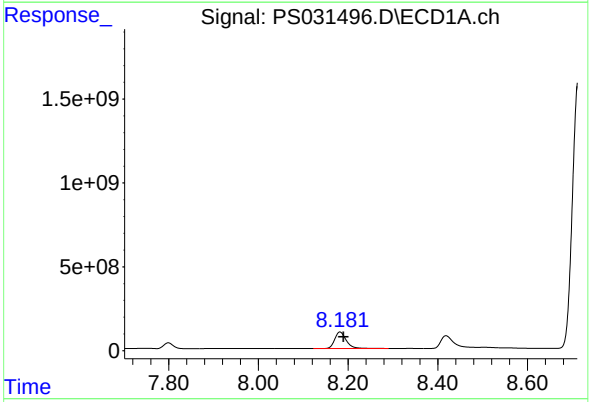
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



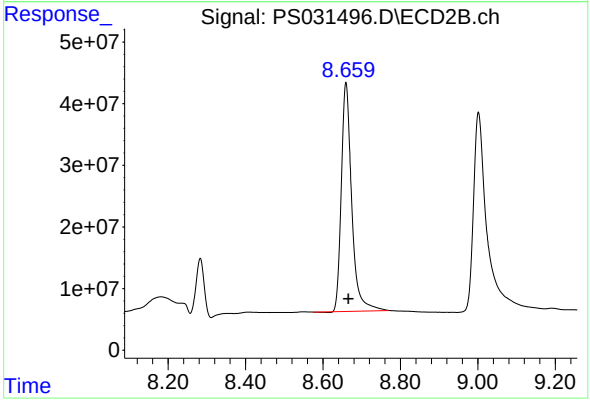
#7 MCPA

R.T.: 8.283 min
Delta R.T.: -0.010 min
Response: 133378314
Conc: 47.54 ug/ml



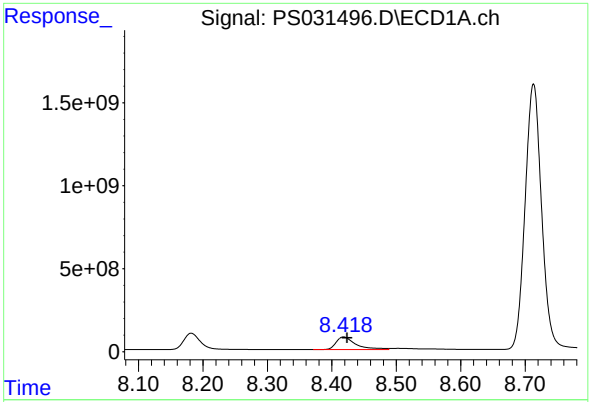
#8 DICHLORPROP

R.T.: 8.182 min
Delta R.T.: -0.008 min
Response: 1764150469
Conc: 556.09 ng/ml



#8 DICHLORPROP

R.T.: 8.660 min
Delta R.T.: -0.006 min
Response: 690939306
Conc: 517.54 ng/ml



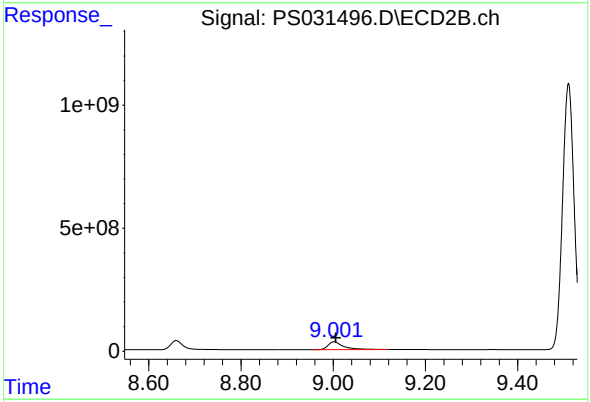
#9 2,4-D

R.T.: 8.418 min
Delta R.T.: -0.005 min
Response: 1607394007
Conc: 558.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS

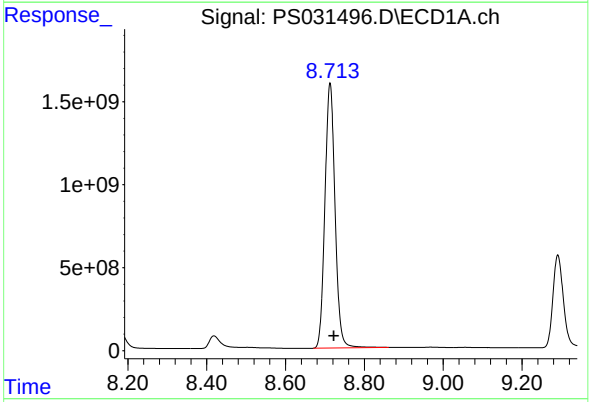
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



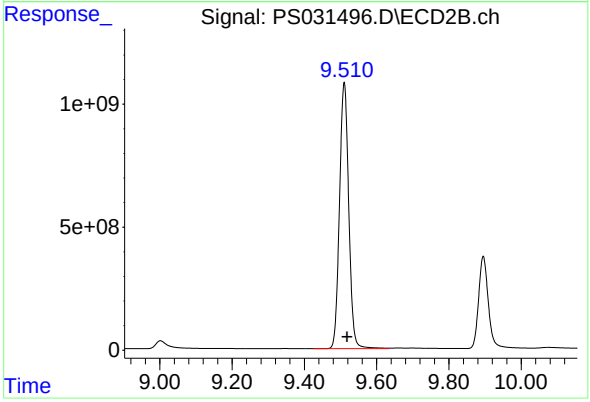
#9 2,4-D

R.T.: 9.001 min
Delta R.T.: -0.005 min
Response: 748022663
Conc: 524.09 ng/ml m



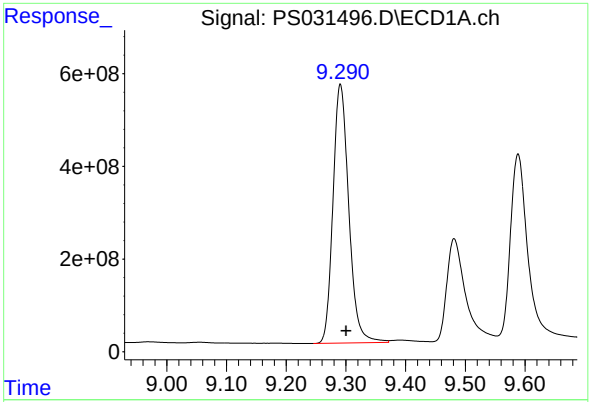
#10 Pentachlorophenol

R.T.: 8.713 min
Delta R.T.: -0.009 min
Response: 28460966855
Conc: 592.78 ng/ml



#10 Pentachlorophenol

R.T.: 9.510 min
Delta R.T.: -0.008 min
Response: 19183911564
Conc: 550.81 ng/ml



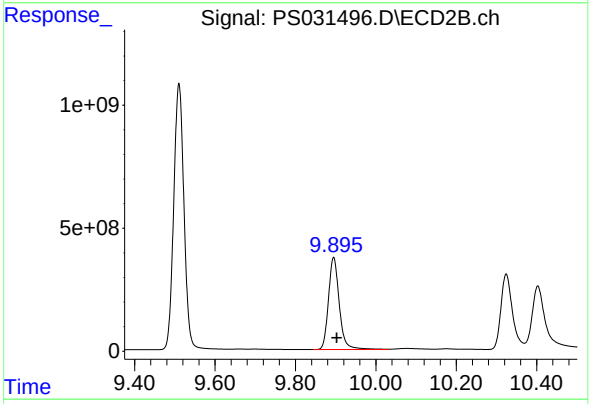
#11 2,4,5-TP (SILVEX)

R.T.: 9.291 min
Delta R.T.: -0.009 min
Response: 10281370172
Conc: 573.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS

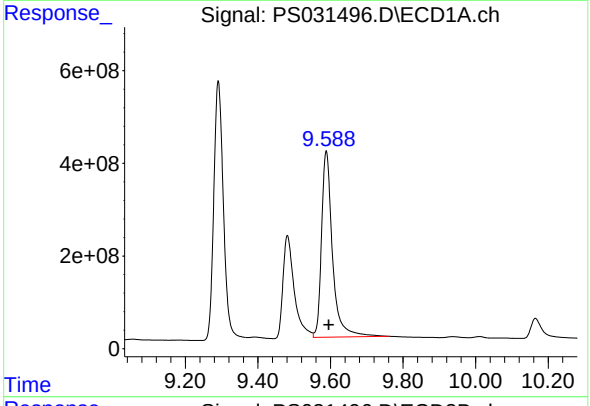
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



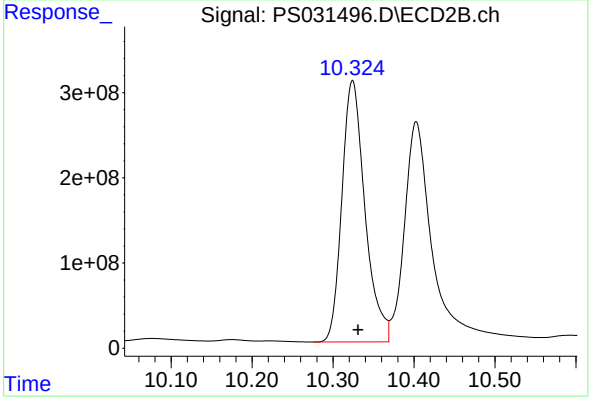
#11 2,4,5-TP (SILVEX)

R.T.: 9.895 min
Delta R.T.: -0.008 min
Response: 7022066343
Conc: 535.38 ng/ml



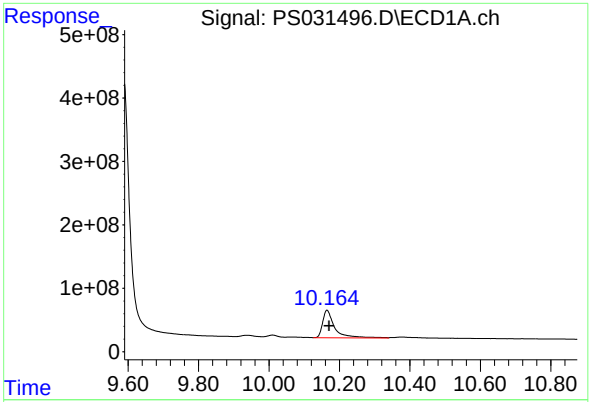
#12 2,4,5-T

R.T.: 9.588 min
Delta R.T.: -0.007 min
Response: 8419120045
Conc: 574.64 ng/ml



#12 2,4,5-T

R.T.: 10.324 min
Delta R.T.: -0.007 min
Response: 6081470827
Conc: 513.65 ng/ml



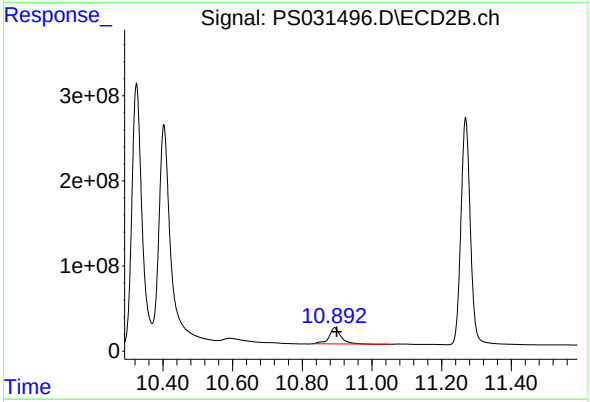
#13 2,4-DB

R.T.: 10.165 min
Delta R.T.: -0.005 min
Response: 1028411841
Conc: 535.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS

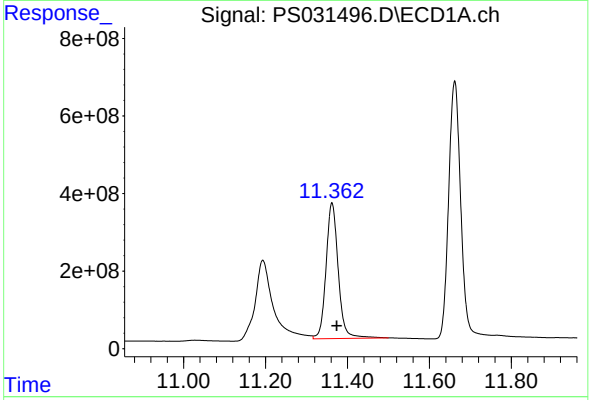
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



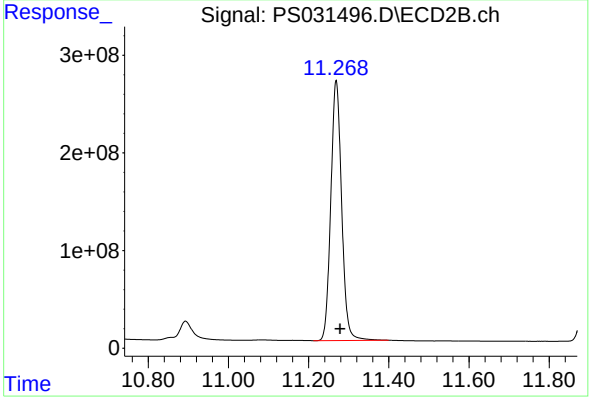
#13 2,4-DB

R.T.: 10.893 min
Delta R.T.: -0.006 min
Response: 451655498
Conc: 468.11 ng/ml



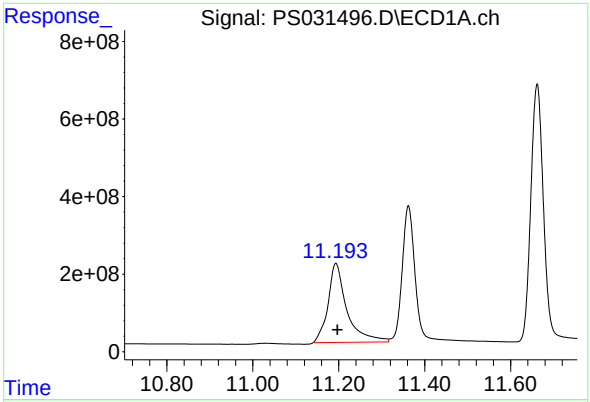
#14 DINOSEB

R.T.: 11.362 min
Delta R.T.: -0.011 min
Response: 7226562907
Conc: 569.99 ng/ml



#14 DINOSEB

R.T.: 11.269 min
Delta R.T.: -0.010 min
Response: 4987726840
Conc: 527.41 ng/ml



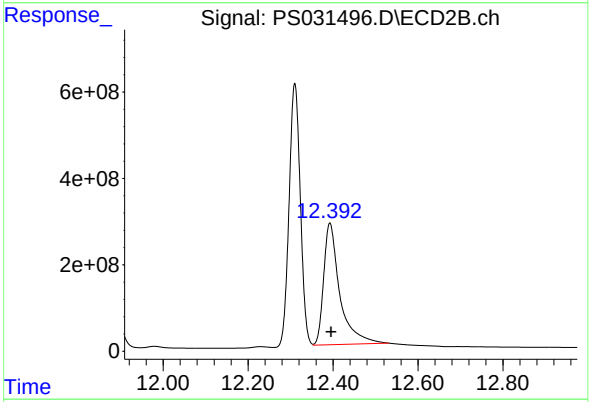
#15 Picloram

R.T.: 11.193 min
Delta R.T.: -0.004 min
Response: 6221320110
Conc: 476.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS

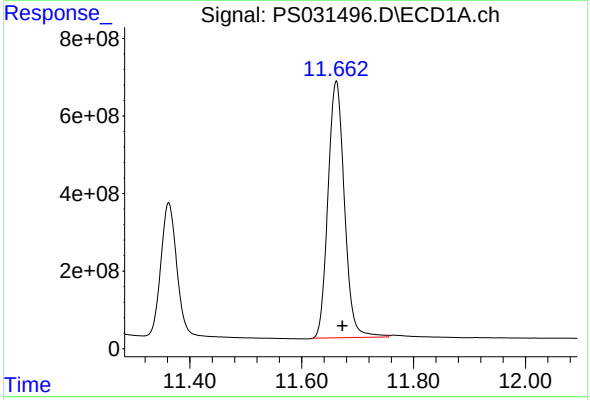
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



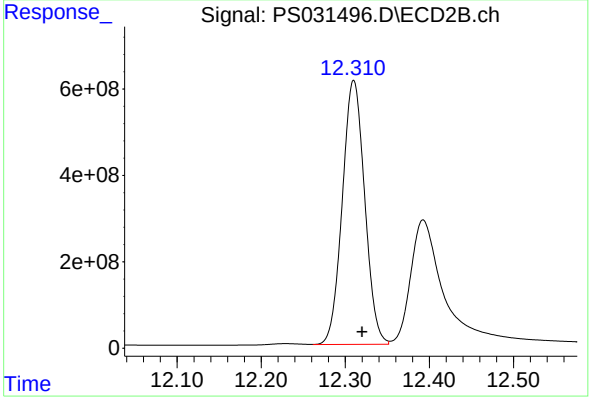
#15 Picloram

R.T.: 12.393 min
Delta R.T.: -0.003 min
Response: 7413828531
Conc: 422.93 ng/ml



#16 DCPA

R.T.: 11.662 min
Delta R.T.: -0.011 min
Response: 13480435428
Conc: 591.78 ng/ml



#16 DCPA

R.T.: 12.310 min
Delta R.T.: -0.010 min
Response: 11308913012
Conc: 574.04 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:	08/15/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	VNJ-210MS	SDG No.:	Q2879
Lab Sample ID:	Q2888-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	94.9 Decanted:
Sample Wt/Vol:	30.07 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
PS031522.D	1	08/18/25 09:40	08/20/25 11:59	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.094		0.0081	0.035	0.070	mg/Kg
75-99-0	DALAPON	0.17		0.018	0.053	0.070	mg/Kg
120-36-5	DICHLORPROP	0.095		0.014	0.035	0.070	mg/Kg
94-75-7	2,4-D	0.14		0.0095	0.035	0.070	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.12		0.0095	0.035	0.070	mg/Kg
93-76-5	2,4,5-T	0.096		0.0091	0.035	0.070	mg/Kg
94-82-6	2,4-DB	0.084		0.025	0.035	0.070	mg/Kg
88-85-7	DINOSEB	0.028	J	0.011	0.035	0.070	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	373		27 - 122		75%	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\PS082025\
Data File : PS031522.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 11:59
Operator : AR\AJ
Sample : Q2888-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.284	7.743	1068.5E6	315.6E6	336.631	373.284m
	Target Compounds						
1) T	Dalapon	2.664	2.689	1721.0E6	1294.1E6	327.869m	486.337 #
2) T	3,5-DICHL...	6.454	6.694	1086.5E6	288.4E6	230.274	213.360
5) T	DICAMBA	7.472	7.939	3686.5E6	1521.6E6	263.951	267.769m
6) T	MCPP	7.649	8.044	128.7E6	57597105	16.000	32.581m#
7) T	MCPA	7.798	8.280	223.9E6	56667833	22.481m	20.199
8) T	DICHLORPROP	8.180	8.657	788.9E6	363.2E6	248.679	272.029m
9) T	2,4-D	8.414	8.996	1167.0E6	427.1E6	405.660	299.244m#
10) T	Pentachlo...	8.712	9.510	8606.0E6	5947.5E6	179.245	170.765
11) T	2,4,5-TP ...	9.289	9.893	4212.3E6	4615.9E6	235.013	351.931 #
12) T	2,4,5-T	9.584	10.321	3998.0E6	2932.3E6	272.879m	247.666m
13) T	2,4-DB	10.159	10.889	353.6E6	231.9E6	183.983m	240.319 #
14) T	DINOSEB	11.361	11.279	203.3E6	756.4E6	16.037m	79.986 #
15) T	Picloram	11.182	12.384	4331.8E6	4487.7E6	331.832m	256.006
16) T	DCPA	11.656	12.310	6616.1E6	6856.4E6	290.442m	348.032m

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

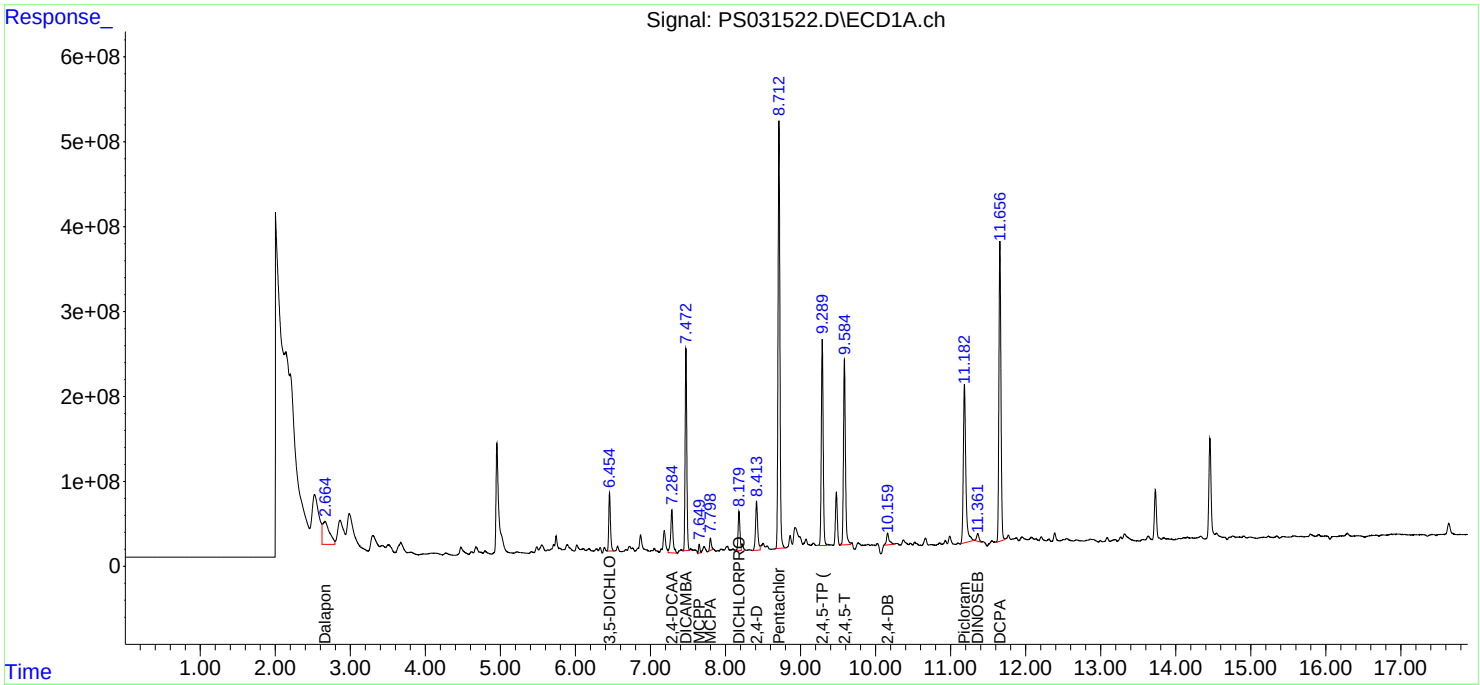
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031522.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 11:59
Operator : AR\AJ
Sample : Q2888-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

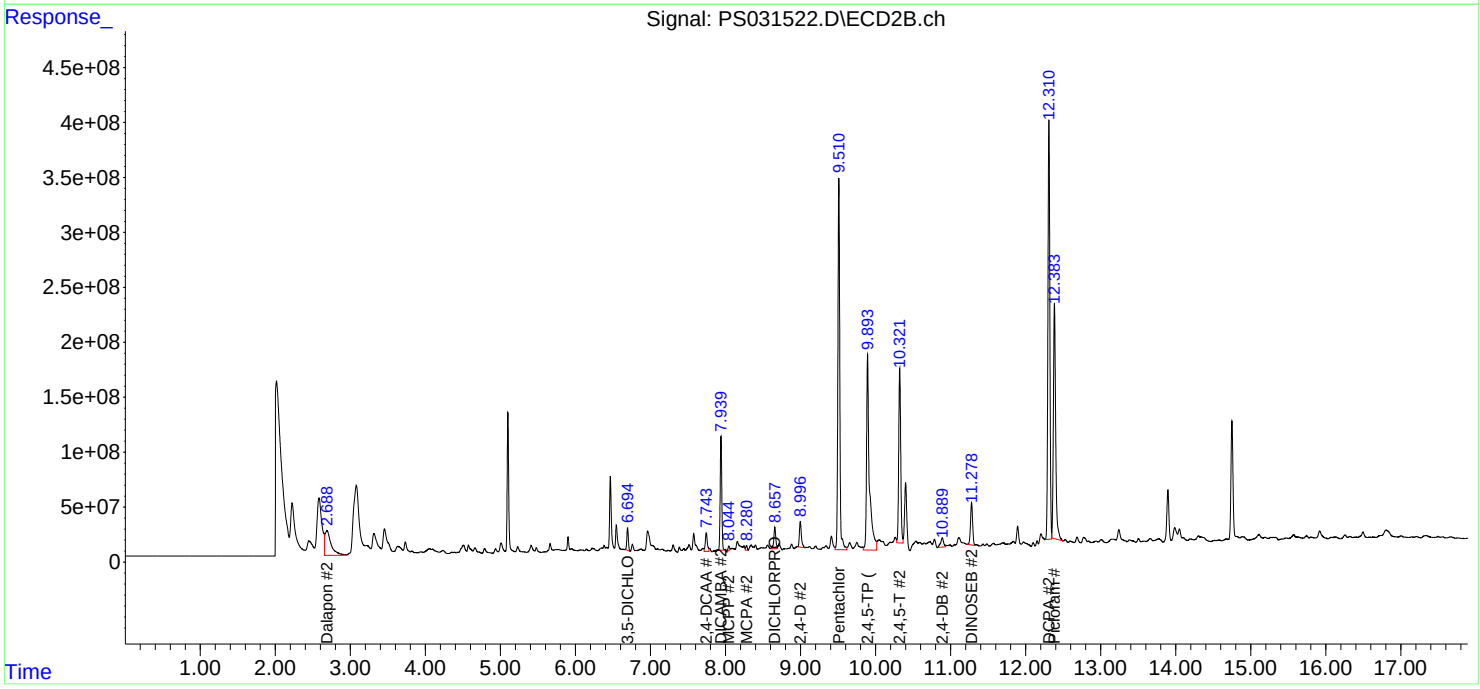
Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

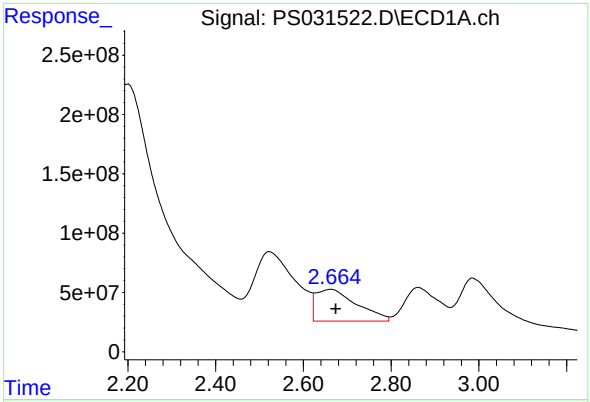
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







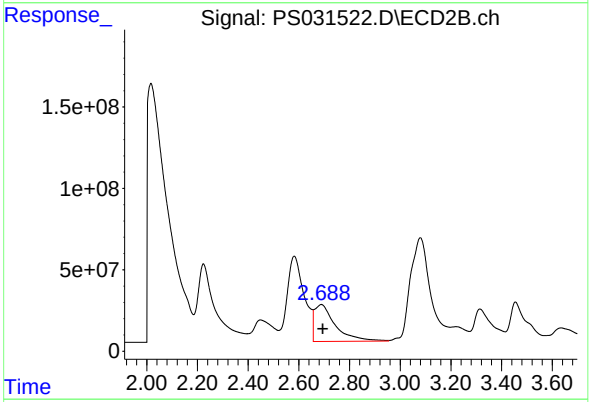
#1 Dalapon

R.T.: 2.664 min
Delta R.T.: -0.010 min
Response: 1720965227
Conc: 327.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

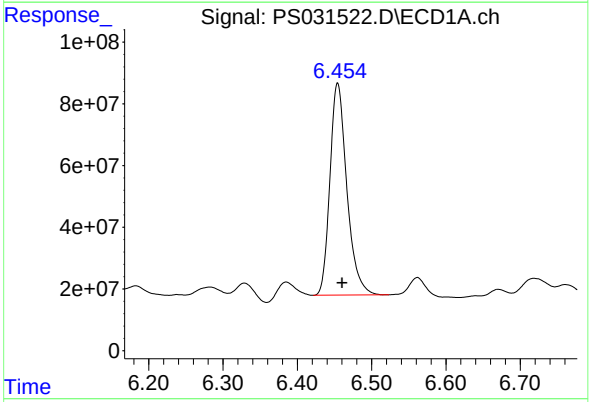
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



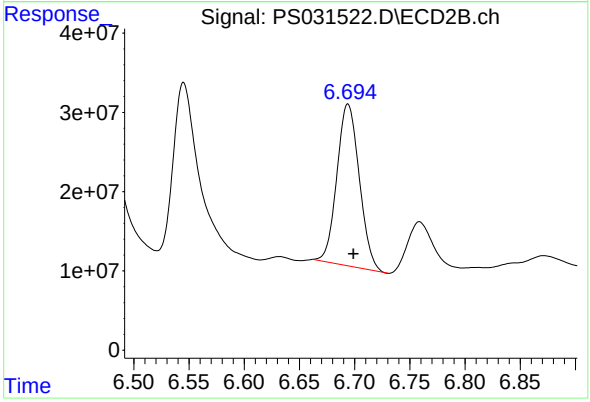
#1 Dalapon

R.T.: 2.689 min
Delta R.T.: -0.006 min
Response: 1294148862
Conc: 486.34 ng/ml



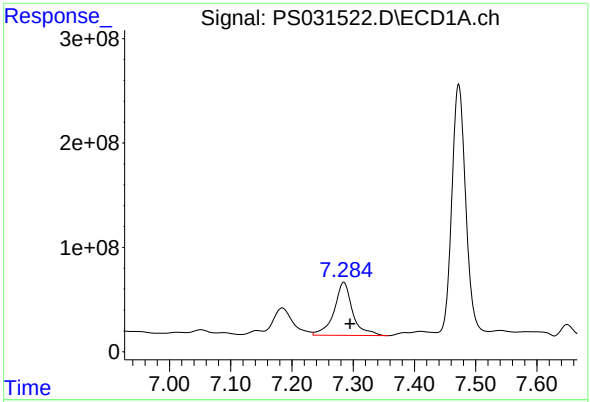
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.454 min
Delta R.T.: -0.006 min
Response: 1086504461
Conc: 230.27 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.694 min
Delta R.T.: -0.005 min
Response: 288447912
Conc: 213.36 ng/ml



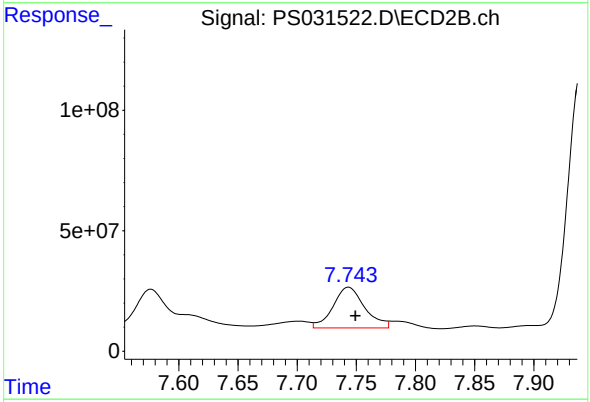
#4 2,4-DCAA

R.T.: 7.284 min
Delta R.T.: -0.010 min
Response: 1068462541
Conc: 336.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

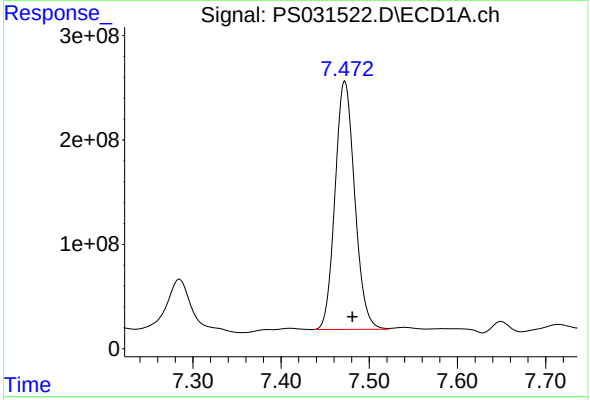
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



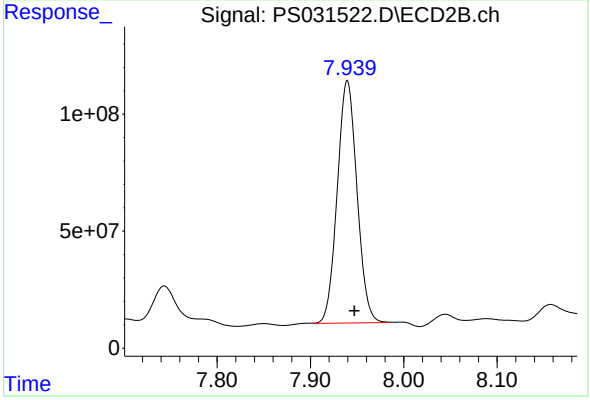
#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 315552205
Conc: 373.28 ng/ml m



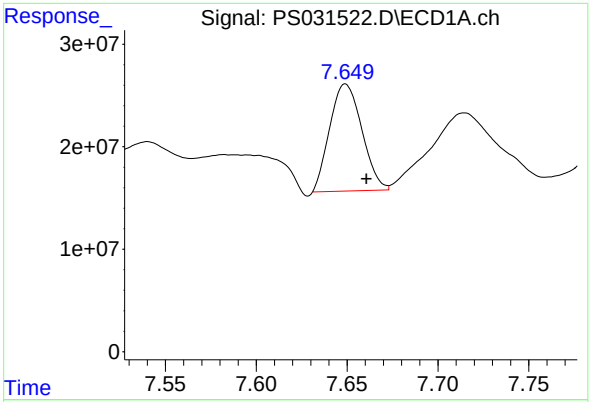
#5 DICAMBA

R.T.: 7.472 min
Delta R.T.: -0.009 min
Response: 3686465944
Conc: 263.95 ng/ml



#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: -0.008 min
Response: 1521645979
Conc: 267.77 ng/ml m



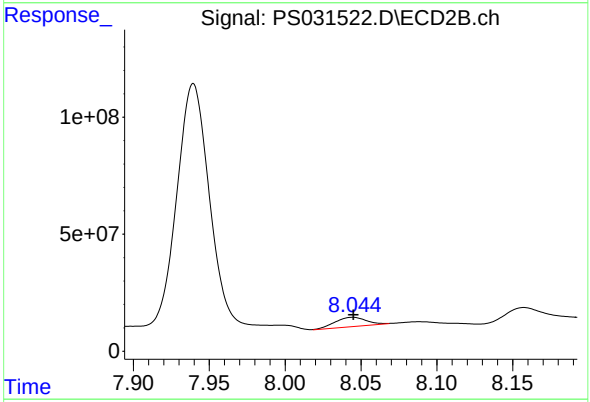
#6 MCPP

R.T.: 7.649 min
Delta R.T.: -0.011 min
Response: 128720448
Conc: 16.00 ug/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

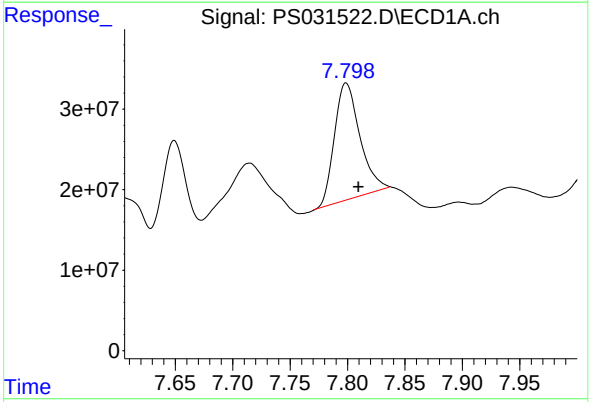
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



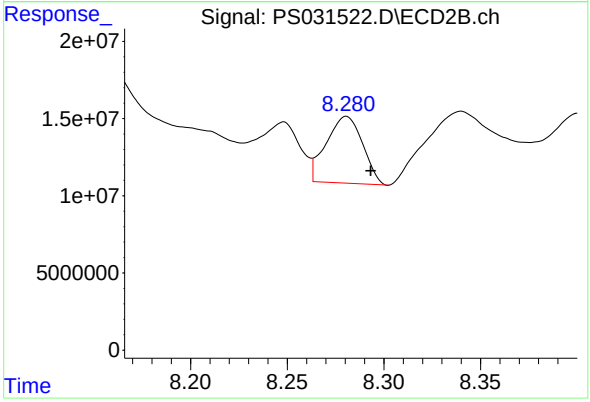
#6 MCPP

R.T.: 8.044 min
Delta R.T.: 0.000 min
Response: 57597105
Conc: 32.58 ug/ml m



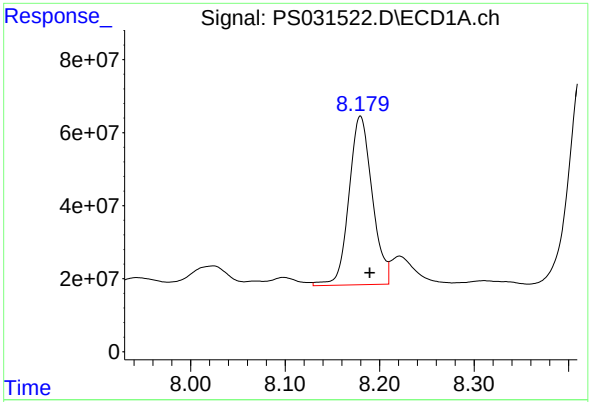
#7 MCPA

R.T.: 7.798 min
Delta R.T.: -0.011 min
Response: 223939824
Conc: 22.48 ug/ml m



#7 MCPA

R.T.: 8.280 min
Delta R.T.: -0.013 min
Response: 56667833
Conc: 20.20 ug/ml



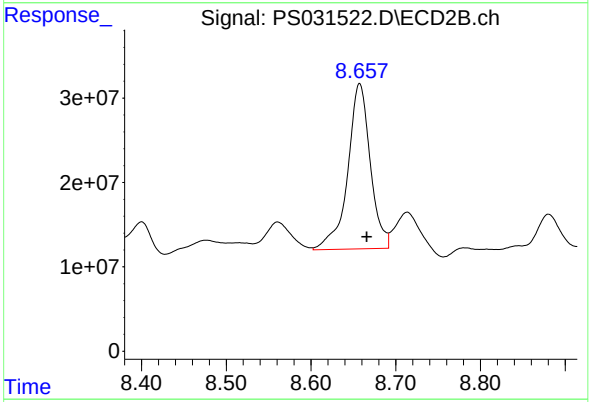
#8 DICHLORPROP

R.T.: 8.180 min
Delta R.T.: -0.010 min
Response: 788915330
Conc: 248.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

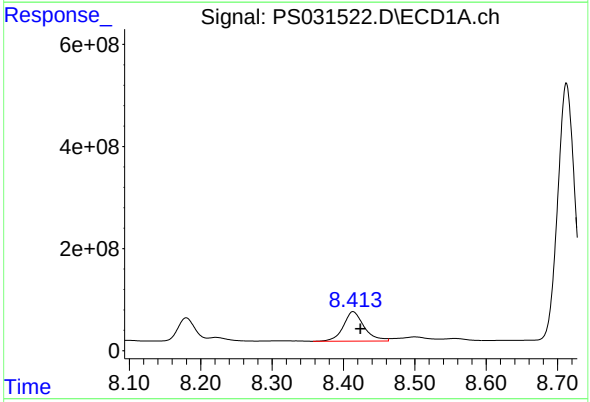
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



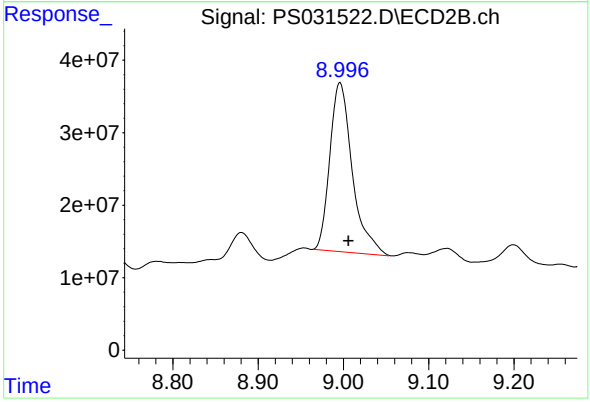
#8 DICHLORPROP

R.T.: 8.657 min
Delta R.T.: -0.009 min
Response: 363167750
Conc: 272.03 ng/ml m



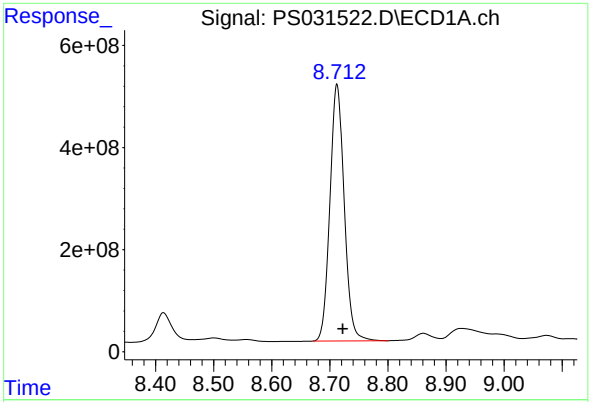
#9 2,4-D

R.T.: 8.414 min
Delta R.T.: -0.010 min
Response: 1167009074
Conc: 405.66 ng/ml



#9 2,4-D

R.T.: 8.996 min
Delta R.T.: -0.010 min
Response: 427107084
Conc: 299.24 ng/ml m



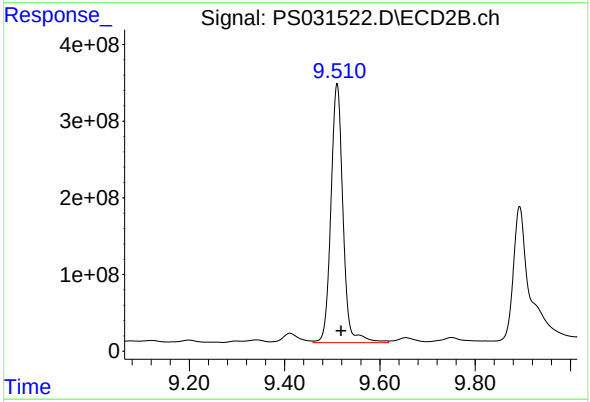
#10 Pentachlorophenol

R.T.: 8.712 min
Delta R.T.: -0.010 min
Response: 8605966478
Conc: 179.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

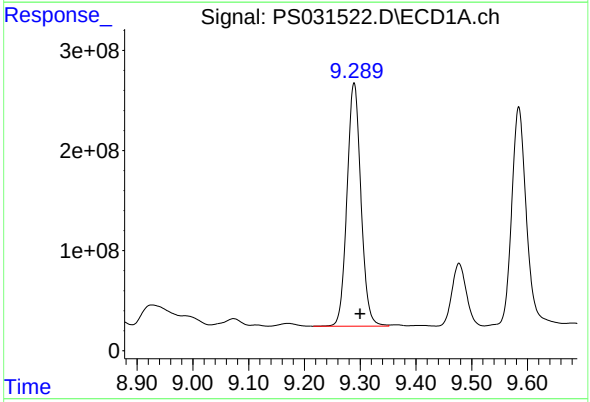
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



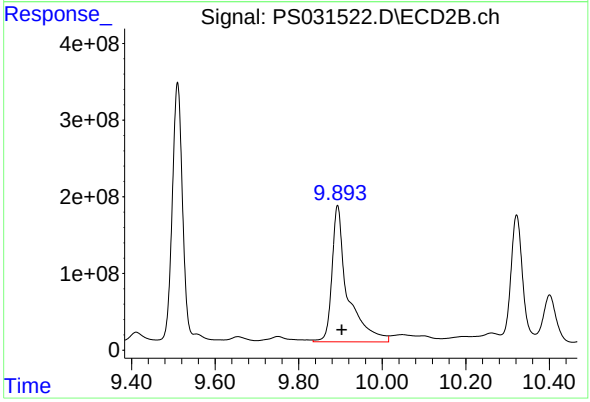
#10 Pentachlorophenol

R.T.: 9.510 min
Delta R.T.: -0.008 min
Response: 5947480728
Conc: 170.77 ng/ml



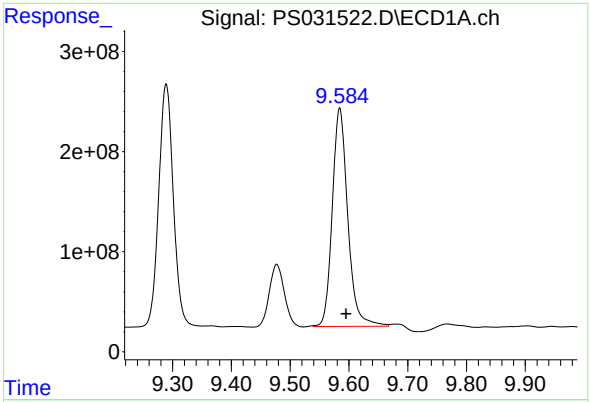
#11 2,4,5-TP (SILVEX)

R.T.: 9.289 min
Delta R.T.: -0.011 min
Response: 4212304488
Conc: 235.01 ng/ml



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

R.T.: 9.893 min
Delta R.T.: -0.010 min
Response: 4615930878
Conc: 351.93 ng/ml



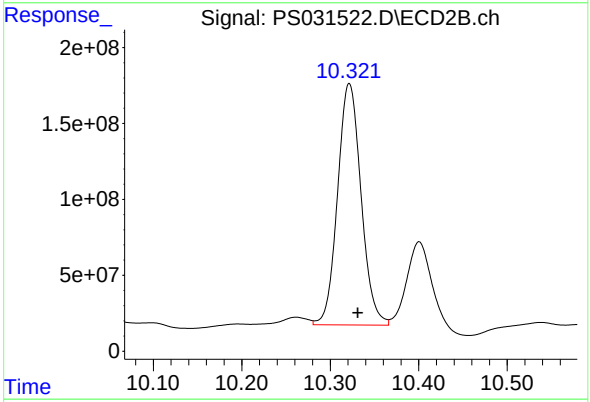
#12 2,4,5-T

R.T.: 9.584 min
Delta R.T.: -0.012 min
Response: 3998018588
Conc: 272.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

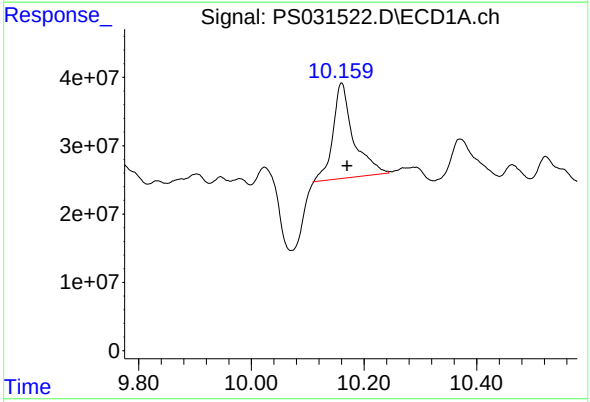
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



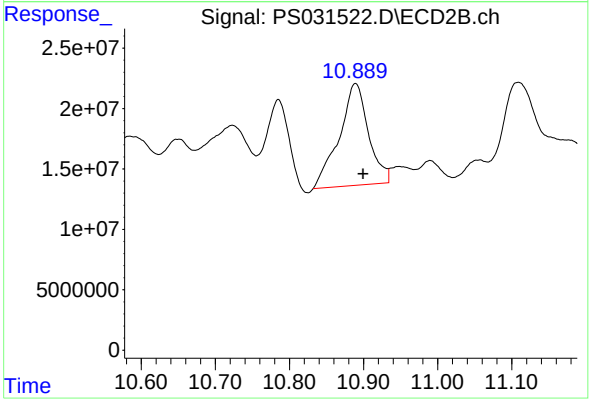
#12 2,4,5-T

R.T.: 10.321 min
Delta R.T.: -0.010 min
Response: 2932308677
Conc: 247.67 ng/ml m



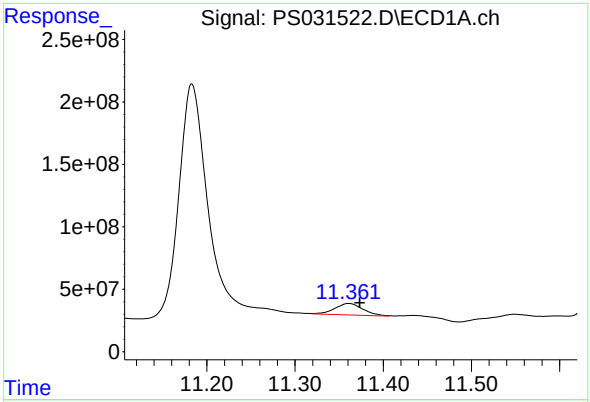
#13 2,4-DB

R.T.: 10.159 min
Delta R.T.: -0.011 min
Response: 353564246
Conc: 183.98 ng/ml m



#13 2,4-DB

R.T.: 10.889 min
Delta R.T.: -0.010 min
Response: 231871101
Conc: 240.32 ng/ml



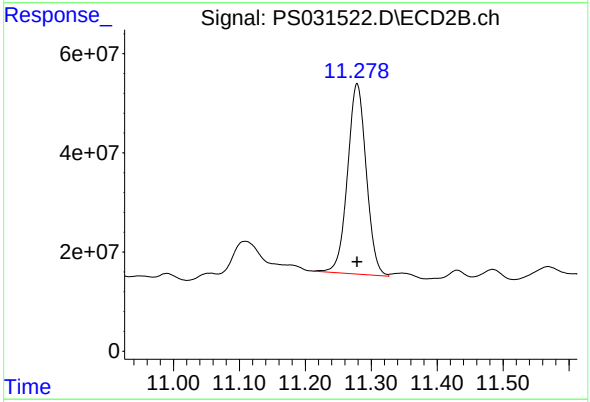
#14 DINOSEB

R.T.: 11.361 min
Delta R.T.: -0.013 min
Response: 203320295
Conc: 16.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

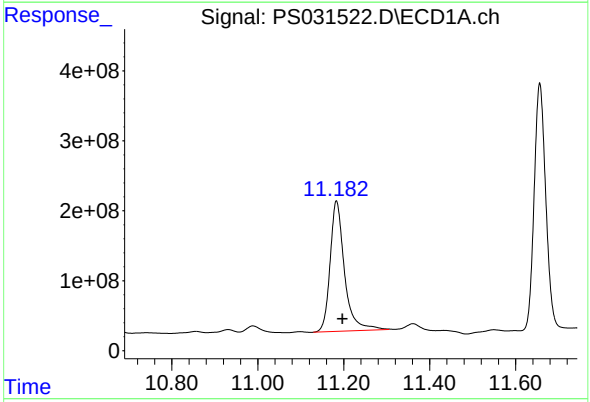
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



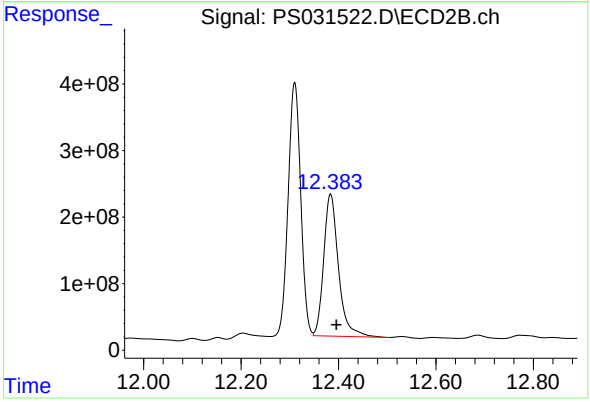
#14 DINOSEB

R.T.: 11.279 min
Delta R.T.: 0.000 min
Response: 756425760
Conc: 79.99 ng/ml



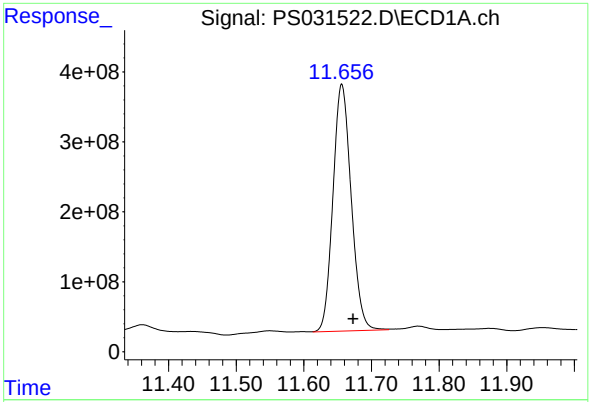
#15 Picloram

R.T.: 11.182 min
Delta R.T.: -0.015 min
Response: 4331782887
Conc: 331.83 ng/ml m



#15 Picloram

R.T.: 12.384 min
Delta R.T.: -0.012 min
Response: 4487709582
Conc: 256.01 ng/ml



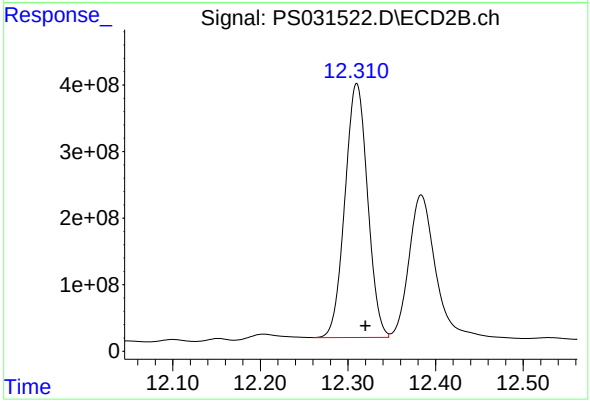
#16 DCPA

R.T.: 11.656 min
Delta R.T.: -0.017 min
Response: 6616073906
Conc: 290.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



#16 DCPA

R.T.: 12.310 min
Delta R.T.: -0.010 min
Response: 6856372188
Conc: 348.03 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:	08/15/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	VNJ-210MSD	SDG No.:	Q2879
Lab Sample ID:	Q2888-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	94.9 Decanted:
Sample Wt/Vol:	30.09 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
PS031523.D	1	08/18/25 09:40	08/20/25 12:24	PB169287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.094		0.0081	0.035	0.070	mg/Kg
75-99-0	DALAPON	0.17		0.018	0.053	0.070	mg/Kg
120-36-5	DICHLORPROP	0.095		0.013	0.035	0.070	mg/Kg
94-75-7	2,4-D	0.14		0.0095	0.035	0.070	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.12		0.0095	0.035	0.070	mg/Kg
93-76-5	2,4,5-T	0.096		0.0091	0.035	0.070	mg/Kg
94-82-6	2,4-DB	0.082		0.025	0.035	0.070	mg/Kg
88-85-7	DINOSEB	0.028	J	0.011	0.035	0.070	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	410		27 - 122		82%	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\PS082025\
Data File : PS031523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 14:23
Operator : AR\AJ
Sample : Q2888-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:46:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.285	7.738	1093.1E6	346.3E6	344.403	409.630m
	Target Compounds						
1) T	Dalapon	2.661	2.683	2304.4E6	1267.9E6	439.029m	476.487
2) T	3,5-DICHL...	6.454	6.689	1104.6E6	288.9E6	234.103	213.661
5) T	DICAMBA	7.473	7.935	3711.1E6	1521.8E6	265.715	267.795m
6) T	MCPP	7.650	8.040	126.0E6	48201476	15.664	27.266m#
7) T	MCPA	7.799	8.277	203.2E6	46996630	20.397m	16.752
8) T	DICHLORPROP	8.181	8.653	834.8E6	361.9E6	263.144	271.065m
9) T	2,4-D	8.415	8.992	1191.0E6	441.1E6	414.008	309.038m#
10) T	Pentachlo...	8.714	9.506	8691.1E6	5903.8E6	181.017	169.512
11) T	2,4,5-TP ...	9.292	9.890	4274.7E6	4620.7E6	238.495	352.292 #
12) T	2,4,5-T	9.586	10.318	4023.1E6	2906.5E6	274.588m	245.489m
13) T	2,4-DB	10.162	10.886	322.8E6	226.0E6	167.968m	234.226 #
14) T	DINOSEB	11.364	11.276	201.9E6	759.3E6	15.922m	80.287 #
15) T	Picloram	11.186	12.381	4443.2E6	4573.5E6	340.369m	260.901
16) T	DCPA	11.661	12.308	6704.2E6	6862.0E6	294.309	348.318m

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

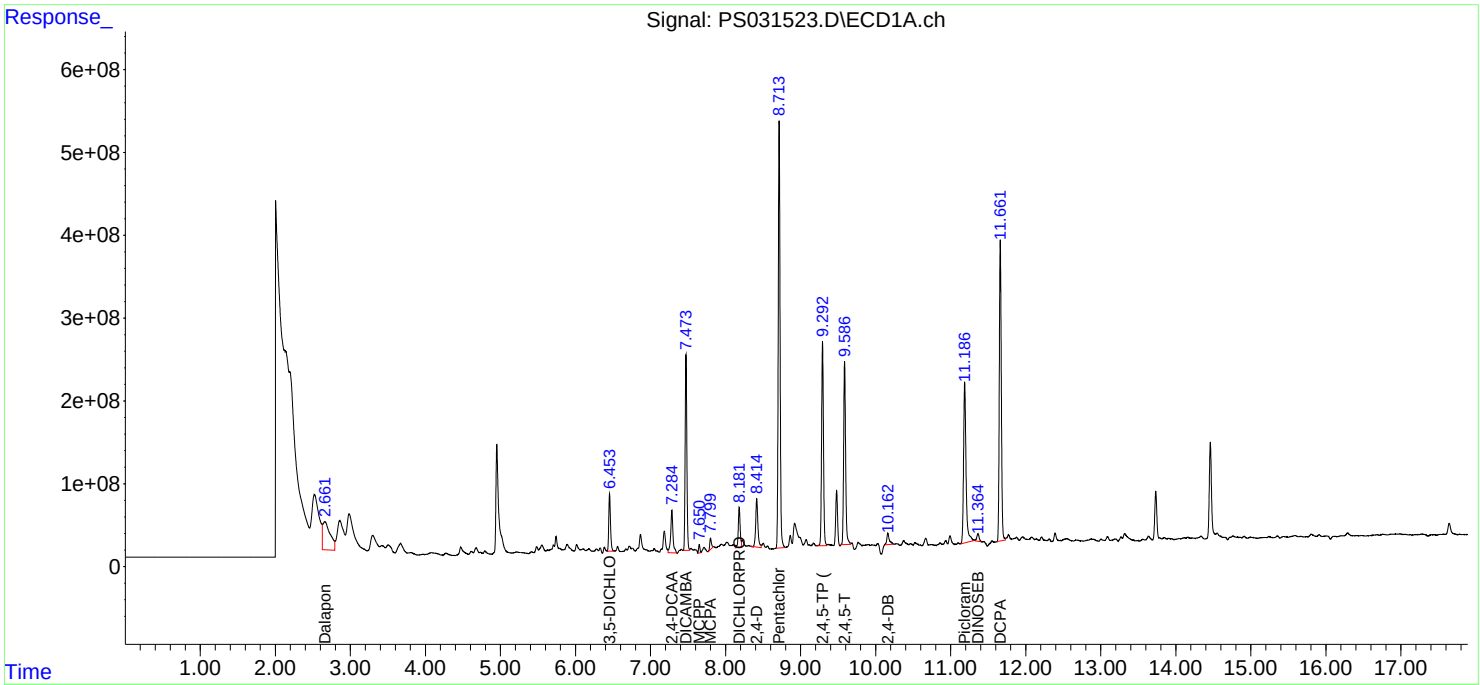
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 14:23
Operator : AR\AJ
Sample : Q2888-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

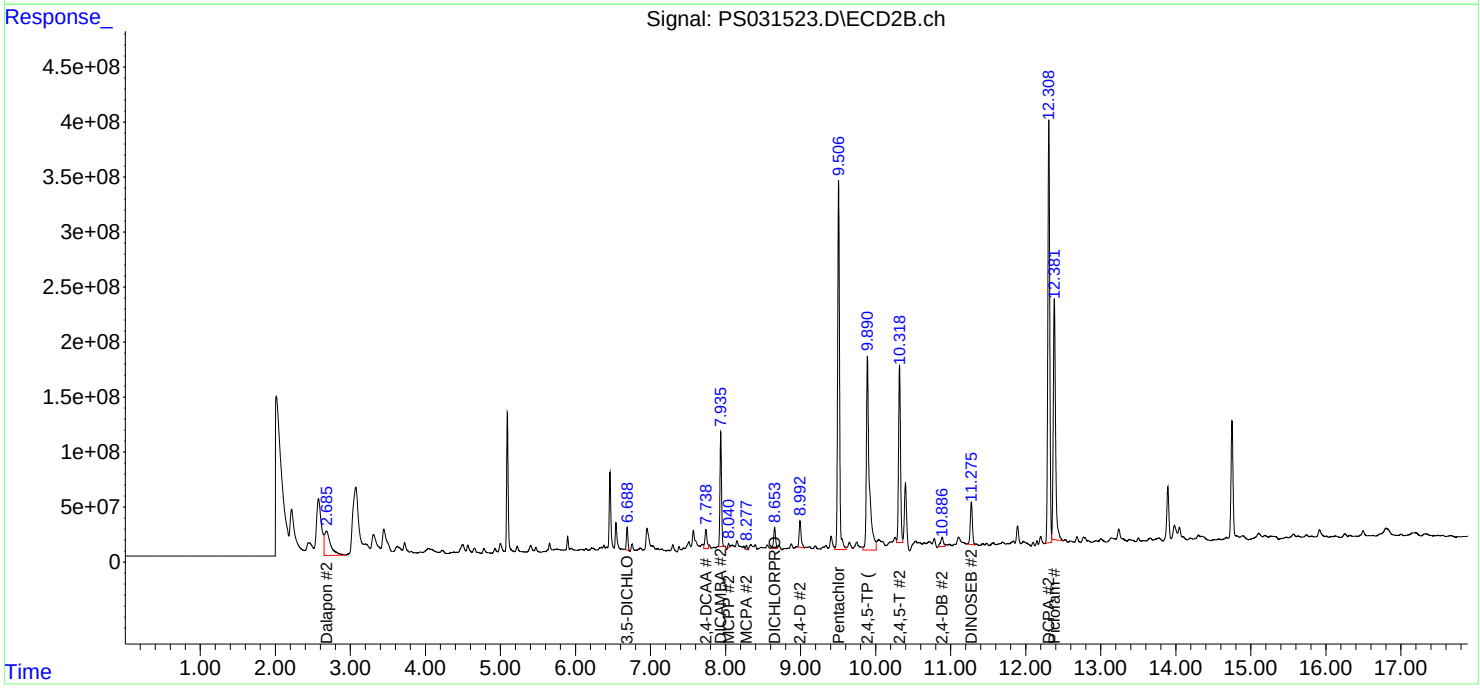
Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

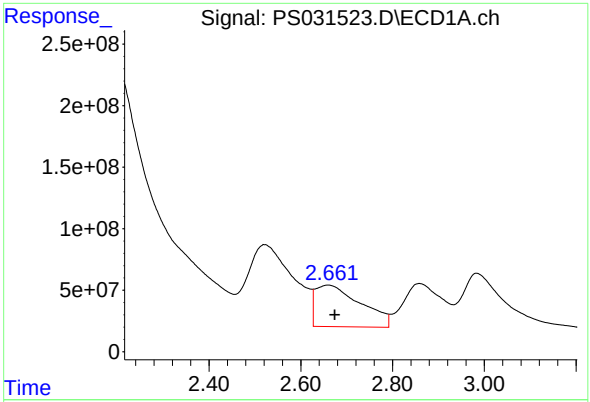
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:46:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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







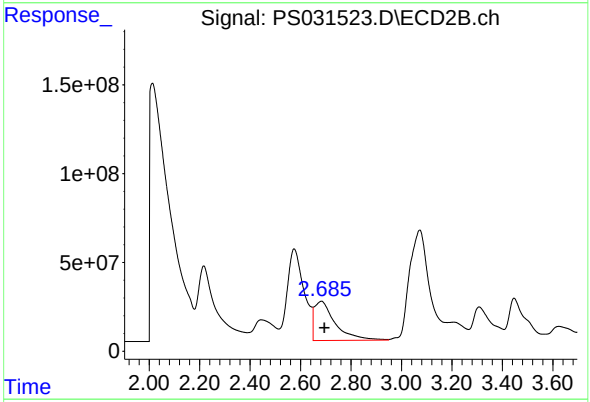
#1 Dalapon

R.T.: 2.661 min
Delta R.T.: -0.013 min
Response: 2304436826
Conc: 439.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

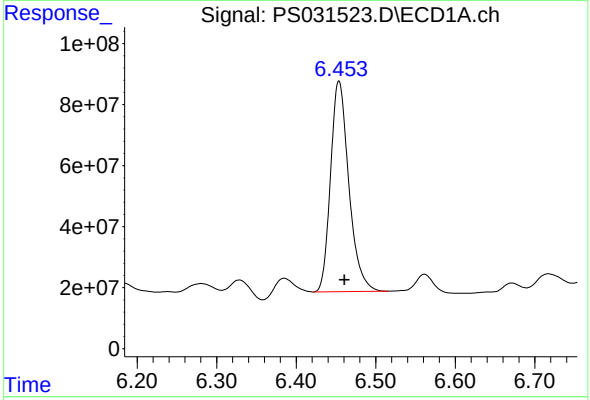
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



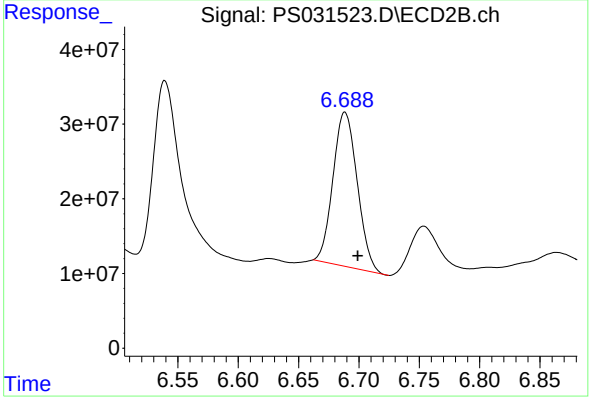
#1 Dalapon

R.T.: 2.683 min
Delta R.T.: -0.012 min
Response: 1267938222
Conc: 476.49 ng/ml



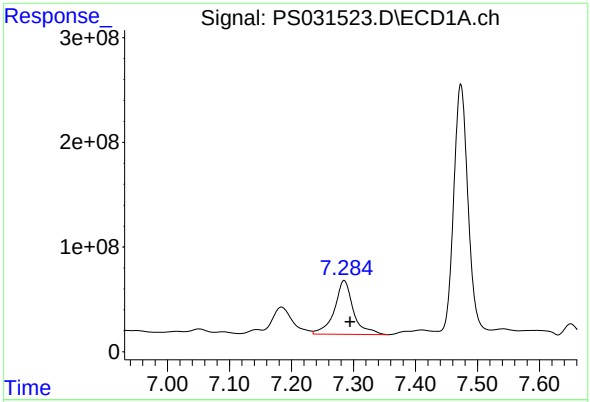
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.454 min
Delta R.T.: -0.007 min
Response: 1104569806
Conc: 234.10 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.689 min
Delta R.T.: -0.010 min
Response: 288854093
Conc: 213.66 ng/ml



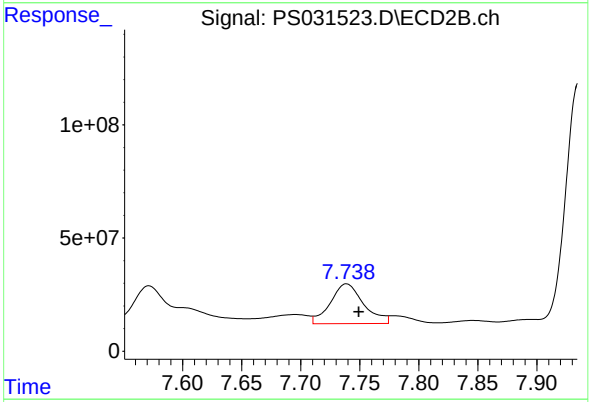
#4 2,4-DCAA

R.T.: 7.285 min
Delta R.T.: -0.010 min
Response: 1093129528
Conc: 344.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

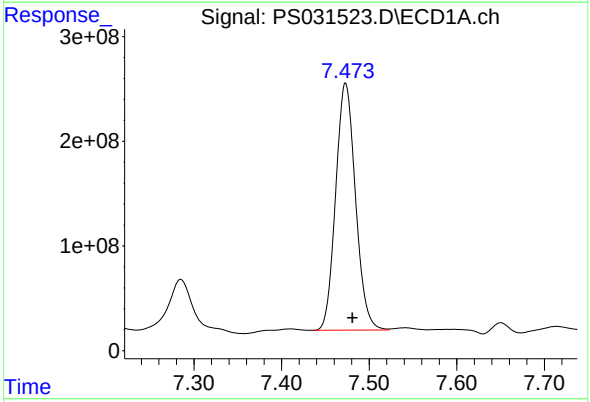
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



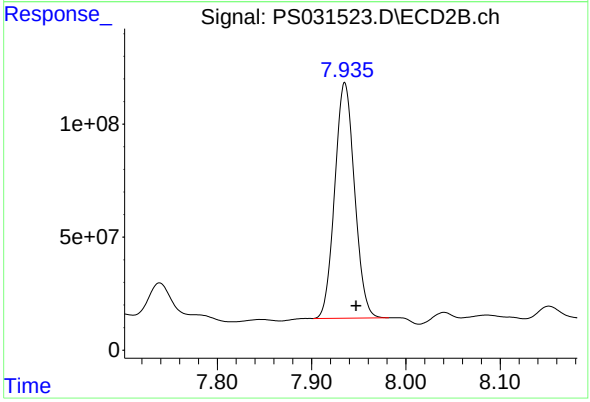
#4 2,4-DCAA

R.T.: 7.738 min
Delta R.T.: -0.011 min
Response: 346276509
Conc: 409.63 ng/ml m



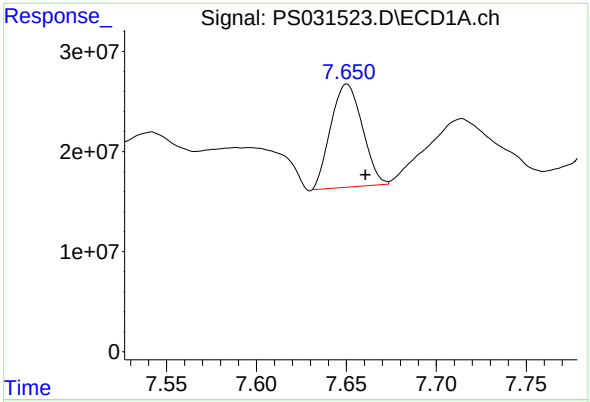
#5 DICAMBA

R.T.: 7.473 min
Delta R.T.: -0.008 min
Response: 3711104427
Conc: 265.72 ng/ml



#5 DICAMBA

R.T.: 7.935 min
Delta R.T.: -0.013 min
Response: 1521794322
Conc: 267.79 ng/ml m



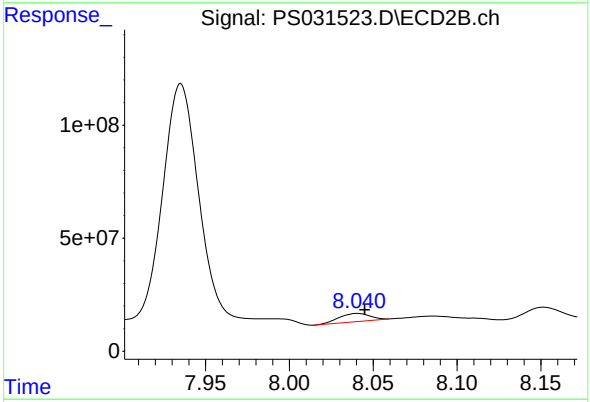
#6 MCPP

R.T.: 7.650 min
Delta R.T.: -0.010 min
Response: 126015952
Conc: 15.66 ug/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

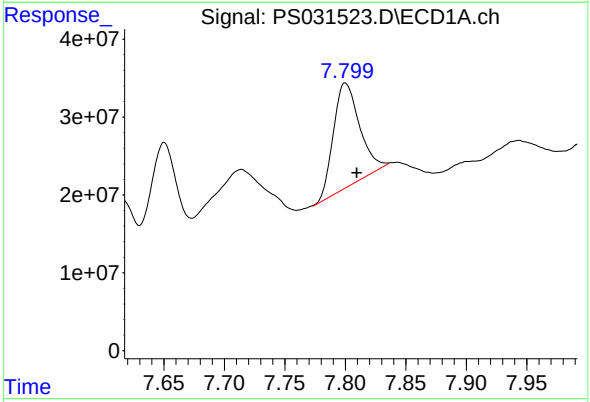
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



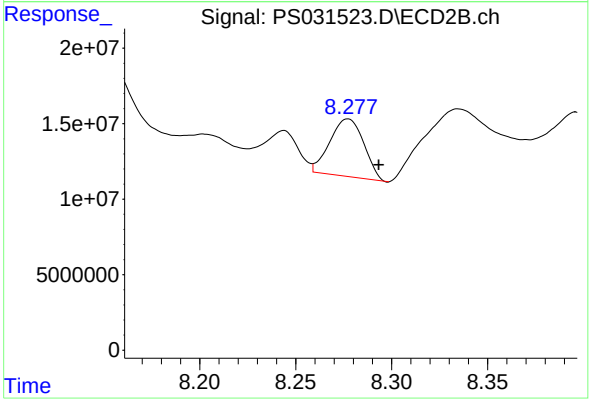
#6 MCPP

R.T.: 8.040 min
Delta R.T.: -0.005 min
Response: 48201476
Conc: 27.27 ug/ml m



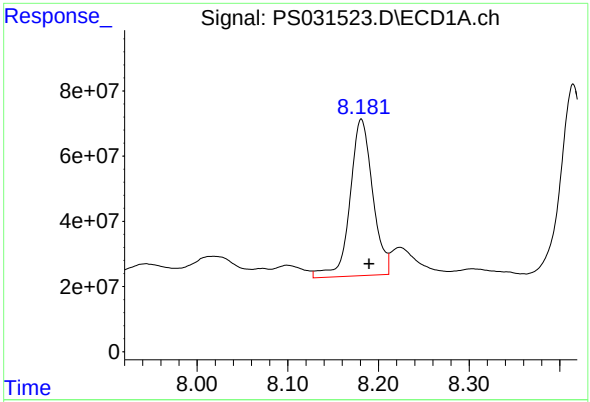
#7 MCPA

R.T.: 7.799 min
Delta R.T.: -0.010 min
Response: 203181085
Conc: 20.40 ug/ml m



#7 MCPA

R.T.: 8.277 min
Delta R.T.: -0.016 min
Response: 46996630
Conc: 16.75 ug/ml



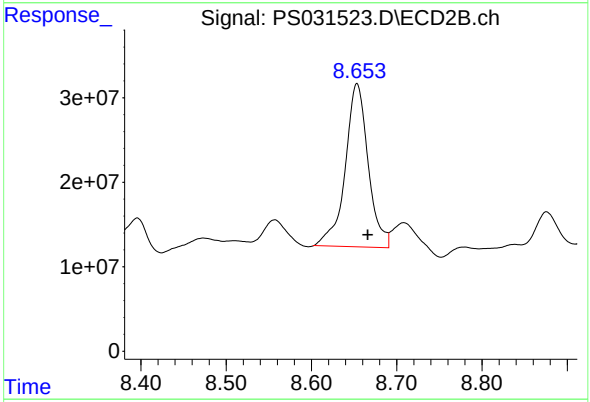
#8 DICHLORPROP

R.T.: 8.181 min
Delta R.T.: -0.008 min
Response: 834806573
Conc: 263.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

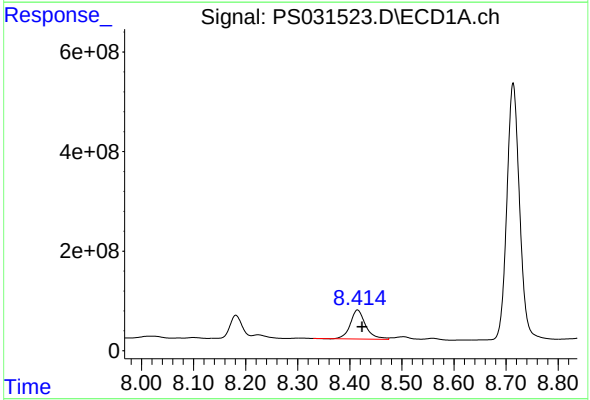
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



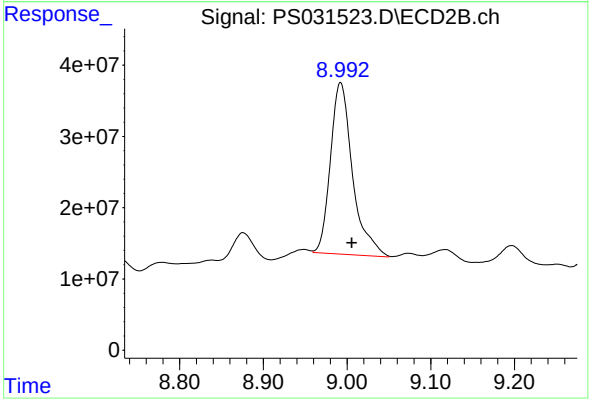
#8 DICHLORPROP

R.T.: 8.653 min
Delta R.T.: -0.013 min
Response: 361880534
Conc: 271.06 ng/ml m



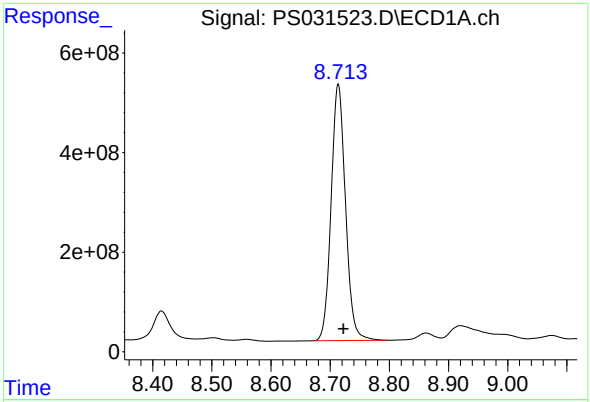
#9 2,4-D

R.T.: 8.415 min
Delta R.T.: -0.009 min
Response: 1191025681
Conc: 414.01 ng/ml



#9 2,4-D

R.T.: 8.992 min
Delta R.T.: -0.014 min
Response: 441085210
Conc: 309.04 ng/ml m



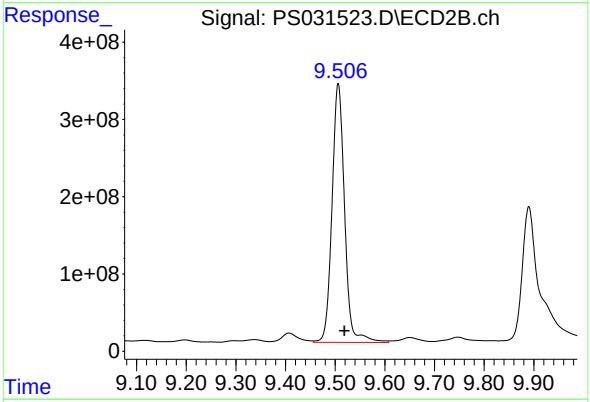
#10 Pentachlorophenol

R.T.: 8.714 min
Delta R.T.: -0.009 min
Response: 8691067977
Conc: 181.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

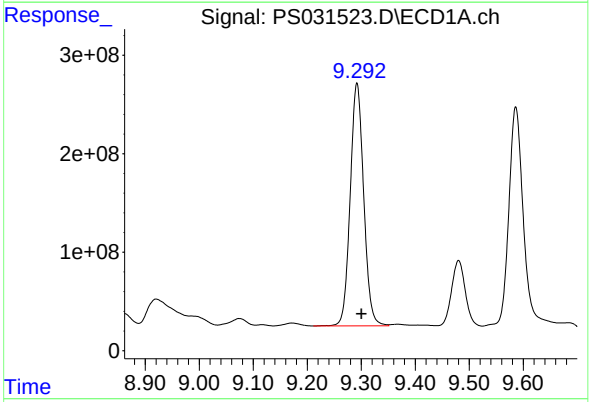
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



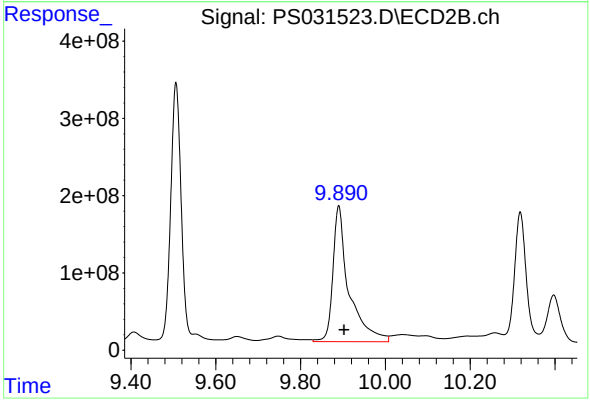
#10 Pentachlorophenol

R.T.: 9.506 min
Delta R.T.: -0.012 min
Response: 5903822157
Conc: 169.51 ng/ml



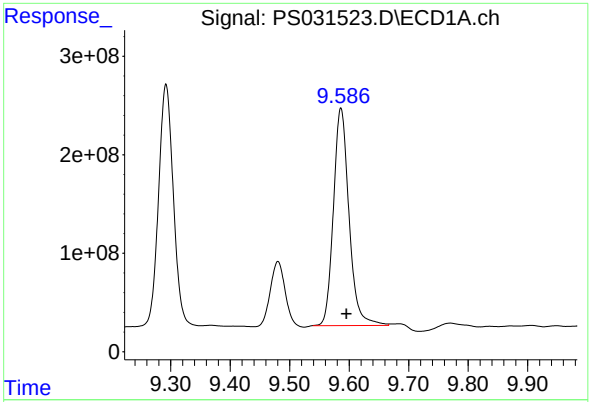
#11 2,4,5-TP (SILVEX)

R.T.: 9.292 min
Delta R.T.: -0.008 min
Response: 4274706573
Conc: 238.49 ng/ml



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

R.T.: 9.890 min
Delta R.T.: -0.013 min
Response: 4620668007
Conc: 352.29 ng/ml



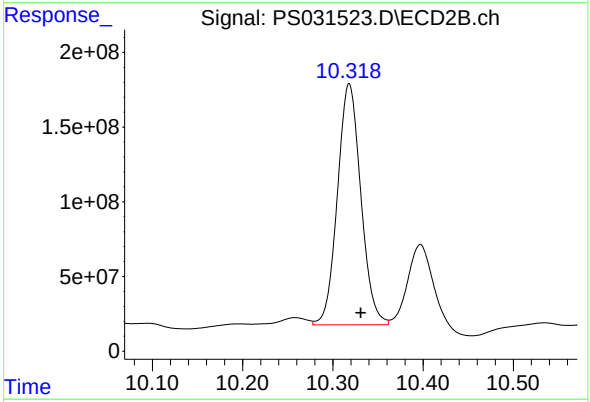
#12 2,4,5-T

R.T.: 9.586 min
Delta R.T.: -0.010 min
Response: 4023055485
Conc: 274.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

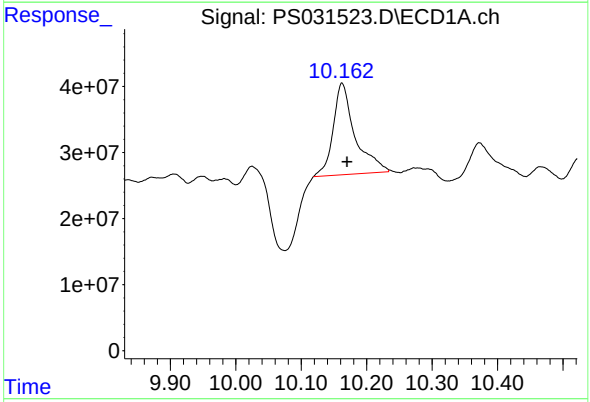
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



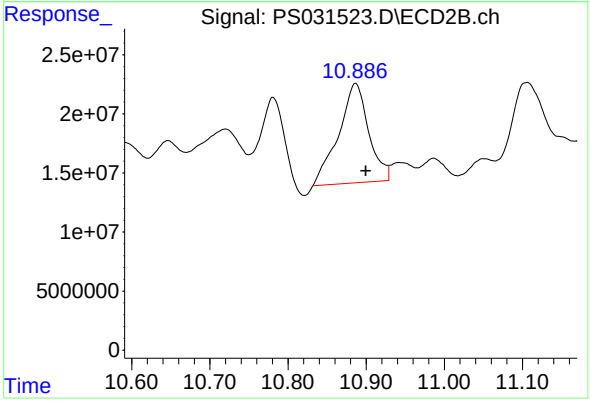
#12 2,4,5-T

R.T.: 10.318 min
Delta R.T.: -0.013 min
Response: 2906529946
Conc: 245.49 ng/ml m



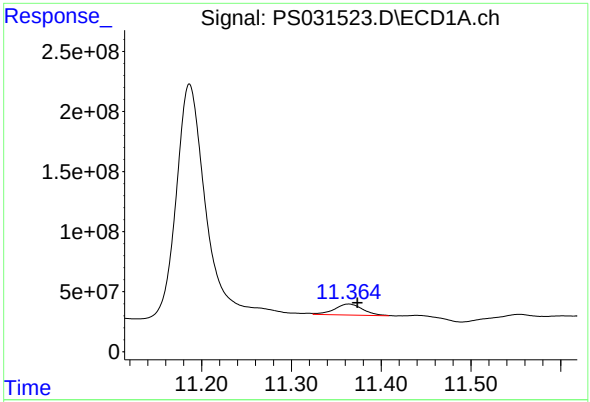
#13 2,4-DB

R.T.: 10.162 min
Delta R.T.: -0.008 min
Response: 322788323
Conc: 167.97 ng/ml m



#13 2,4-DB

R.T.: 10.886 min
Delta R.T.: -0.013 min
Response: 225991805
Conc: 234.23 ng/ml



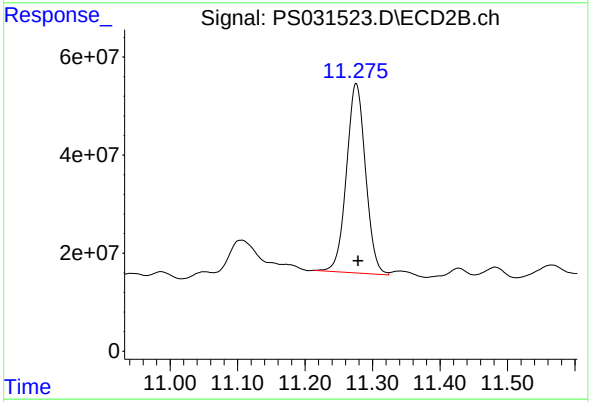
#14 DINOSEB

R.T.: 11.364 min
Delta R.T.: -0.009 min
Response: 201864999
Conc: 15.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

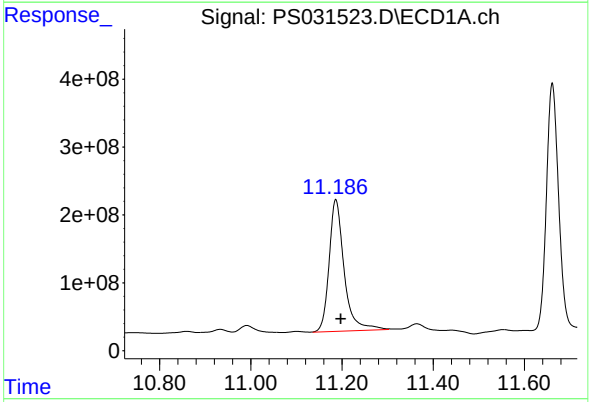
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/22/2025
Supervised By :mohammad ahmed 08/28/2025



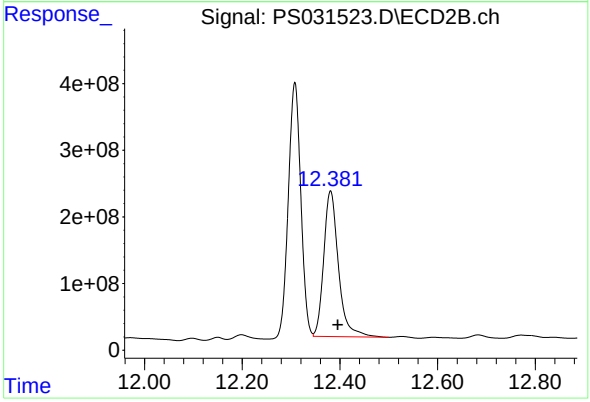
#14 DINOSEB

R.T.: 11.276 min
Delta R.T.: -0.003 min
Response: 759268873
Conc: 80.29 ng/ml



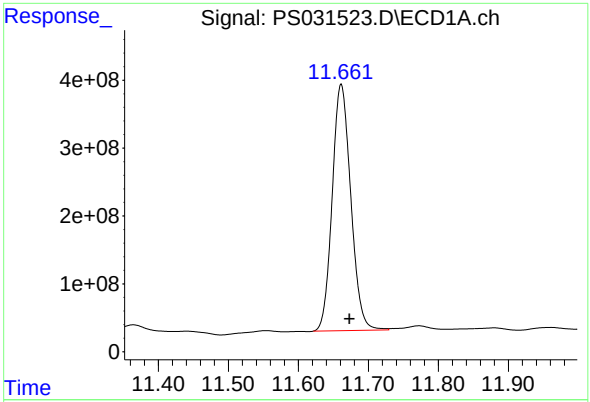
#15 Picloram

R.T.: 11.186 min
Delta R.T.: -0.011 min
Response: 4443230721
Conc: 340.37 ng/ml m



#15 Picloram

R.T.: 12.381 min
Delta R.T.: -0.015 min
Response: 4573525949
Conc: 260.90 ng/ml



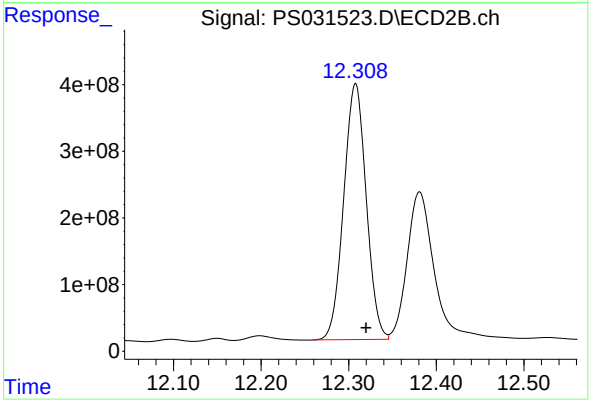
#16 DCPA

R.T.: 11.661 min
Delta R.T.: -0.012 min
Response: 6704158396
Conc: 294.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

Manual Integrations APPROVED

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Supervised By :mohammad ahmed 08/28/2025



#16 DCPA

R.T.: 12.308 min
Delta R.T.: -0.012 min
Response: 6862008051
Conc: 348.32 ng/ml m

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Manual Integration Report

Sequence:	ps080725	Instrument	ECD_s

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

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Manual Integration Report

Sequence:	ps081925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169287BS	PS031496.D	2,4-D #2	Abdul	8/20/2025 3:50:25 PM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
PB169287BS	PS031496.D	DCPA #2	Abdul	8/20/2025 3:50:25 PM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
PB169287BS	PS031496.D	MCPP #2	Abdul	8/20/2025 3:50:25 PM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
Q2879-03	PS031498.D	2,4-DCAA	Abdul	8/20/2025 8:42:37 AM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
Q2879-03	PS031498.D	2,4-DCAA #2	Abdul	8/20/2025 8:42:37 AM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
HSTDCCC750	PS031503.D	4-Nitrophenol	Abdul	8/20/2025 8:42:40 AM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
HSTDCCC750	PS031503.D	4-Nitrophenol #2	Abdul	8/20/2025 8:42:40 AM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
HSTDCCC750	PS031503.D	DCPA #2	Abdul	8/20/2025 8:42:40 AM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
HSTDCCC750	PS031503.D	Picloram	Abdul	8/20/2025 8:42:40 AM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
Q2879-13	PS031505.D	2,4-DCAA	Abdul	8/20/2025 8:42:47 AM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
Q2879-13	PS031505.D	2,4-DCAA #2	Abdul	8/20/2025 8:42:47 AM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
Q2879-15	PS031506.D	2,4-DCAA #2	Abdul	8/20/2025 8:42:51 AM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
HSTDCCC750	PS031513.D	4-Nitrophenol	Abdul	8/20/2025 3:50:36 PM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps081925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031513.D	4-Nitrophenol #2	Abdul	8/20/2025 3:50:36 PM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
HSTDCCC750	PS031513.D	DCPA	Abdul	8/20/2025 3:50:36 PM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
HSTDCCC750	PS031513.D	DCPA #2	Abdul	8/20/2025 3:50:36 PM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
HSTDCCC750	PS031513.D	MCPP	Abdul	8/20/2025 3:50:36 PM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software
HSTDCCC750	PS031513.D	Picloram	Abdul	8/20/2025 3:50:36 PM	mohammad	8/21/2025 1:32:00	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS082025	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031516.D	DCPA	Abdul	8/22/2025 8:28:46 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
HSTDCCC750	PS031516.D	DCPA #2	Abdul	8/22/2025 8:28:46 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
HSTDCCC750	PS031516.D	MCPP #2	Abdul	8/22/2025 8:28:46 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
HSTDCCC750	PS031516.D	Picloram	Abdul	8/22/2025 8:28:46 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2879-03RE	PS031517.D	2,4-DCAA	Abdul	8/21/2025 9:36:40 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2879-03RE	PS031517.D	2,4-DCAA #2	Abdul	8/21/2025 9:36:40 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2879-11	PS031519.D	2,4-DCAA #2	Abdul	8/21/2025 9:36:44 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2879-13RE	PS031520.D	2,4-DCAA	Abdul	8/21/2025 9:36:48 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2879-13RE	PS031520.D	2,4-DCAA #2	Abdul	8/21/2025 9:36:48 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2879-17	PS031521.D	2,4-DCAA #2	Abdul	8/28/2025 8:46:45 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	2,4,5-T	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	2,4,5-T #2	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	2,4-D #2	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS082025	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2888-01MS	PS031522.D	2,4-DB	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	2,4-DCAA #2	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	Dalapon	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	DCPA	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	DCPA #2	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	DICAMBA #2	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	DICHLORPROP #2	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	DINOSEB	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	MCPA	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	MCPP #2	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MS	PS031522.D	Picloram	Abdul	8/22/2025 8:28:49 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	2,4,5-T	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	2,4,5-T #2	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS082025	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2888-01MSD	PS031523.D	2,4-D #2	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	2,4-DB	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	2,4-DCAA #2	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	Dalapon	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	DCPA #2	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	DICAMBA #2	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	DICHLORPROP #2	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	DINOSEB	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	MCPA	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	MCPP #2	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
Q2888-01MSD	PS031523.D	Picloram	Abdul	8/22/2025 8:28:53 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
HSTDCCC750	PS031525.D	2,4-DB	Abdul	8/22/2025 8:28:55 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
HSTDCCC750	PS031525.D	4-Nitrophenol	Abdul	8/22/2025 8:28:55 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PS082025	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031525.D	DCPA	Abdul	8/22/2025 8:28:55 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software
HSTDCCC750	PS031525.D	Picloram	Abdul	8/22/2025 8:28:55 AM	mohammad	8/28/2025 9:15:52	Peak Integrated by Software

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS080725

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

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24802,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	PS031377.D	07 Aug 2025 11:14	AR\AJ	Ok
2	I.BLK	PS031378.D	07 Aug 2025 11:38	AR\AJ	Ok
3	HSTDICC200	PS031379.D	07 Aug 2025 12:02	AR\AJ	Ok
4	HSTDICC500	PS031380.D	07 Aug 2025 12:26	AR\AJ	Ok
5	HSTDICC750	PS031381.D	07 Aug 2025 12:50	AR\AJ	Ok
6	HSTDICC1000	PS031382.D	07 Aug 2025 13:14	AR\AJ	Ok
7	HSTDICC1500	PS031383.D	07 Aug 2025 13:38	AR\AJ	Ok,M
8	HSTDICV750	PS031384.D	07 Aug 2025 14:02	AR\AJ	Ok
9	I.BLK	PS031385.D	07 Aug 2025 14:27	AR\AJ	Not Ok
10	HSTDCCC750	PS031386.D	07 Aug 2025 14:51	AR\AJ	Ok
11	PB169160BL	PS031387.D	07 Aug 2025 16:03	AR\AJ	Not Ok
12	PB169160BS	PS031388.D	07 Aug 2025 16:27	AR\AJ	Not Ok
13	PB169160BSD	PS031389.D	07 Aug 2025 16:51	AR\AJ	Not Ok
14	Q2759-04	PS031390.D	07 Aug 2025 17:15	AR\AJ	Not Ok
15	I.BLK	PS031391.D	07 Aug 2025 17:40	AR\AJ	Not Ok
16	HSTDCCC750	PS031392.D	07 Aug 2025 18:04	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS081925

Review By	Abdul	Review On	8/20/2025 8:43:36 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:32:01 AM		
SubDirectory	PS081925	HP Acquire Method		HP Processing Method	ps080725 8151

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031492.D	19 Aug 2025 12:21	AR\AJ	Ok
2	I.BLK	PS031493.D	19 Aug 2025 12:45	AR\AJ	Ok
3	HSTDCCC750	PS031494.D	19 Aug 2025 13:09	AR\AJ	Ok
4	PB169287BL	PS031495.D	19 Aug 2025 17:08	AR\AJ	Ok
5	PB169287BS	PS031496.D	19 Aug 2025 17:32	AR\AJ	Ok,M
6	Q2879-01	PS031497.D	19 Aug 2025 17:56	AR\AJ	Ok
7	Q2879-03	PS031498.D	19 Aug 2025 18:20	AR\AJ	ReRun
8	Q2879-05	PS031499.D	19 Aug 2025 18:44	AR\AJ	Ok
9	Q2879-07	PS031500.D	19 Aug 2025 19:08	AR\AJ	Ok
10	Q2879-09	PS031501.D	19 Aug 2025 19:33	AR\AJ	Not Ok
11	I.BLK	PS031502.D	19 Aug 2025 19:57	AR\AJ	Ok
12	HSTDCCC750	PS031503.D	19 Aug 2025 20:21	AR\AJ	Ok,M
13	Q2879-11	PS031504.D	19 Aug 2025 21:33	AR\AJ	Not Ok
14	Q2879-13	PS031505.D	19 Aug 2025 21:57	AR\AJ	ReRun
15	Q2879-15	PS031506.D	19 Aug 2025 22:22	AR\AJ	Ok,M
16	Q2879-17	PS031507.D	19 Aug 2025 22:46	AR\AJ	Not Ok
17	Q2884-03	PS031508.D	19 Aug 2025 23:10	AR\AJ	Ok,M
18	Q2888-01	PS031509.D	19 Aug 2025 23:34	AR\AJ	Ok,M
19	Q2888-01MS	PS031510.D	19 Aug 2025 23:58	AR\AJ	Not Ok
20	Q2888-01MSD	PS031511.D	20 Aug 2025 00:22	AR\AJ	Not Ok
21	I.BLK	PS031512.D	20 Aug 2025 00:46	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS081925

Review By	Abdul	Review On	8/20/2025 8:43:36 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:32:01 AM		
SubDirectory	PS081925	HP Acquire Method		HP Processing Method	ps080725 8151

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

22	HSTDCCC750	PS031513.D	20 Aug 2025 01:10	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS082025

Review By	Abdul	Review On	8/21/2025 9:37:30 AM		
Supervise By	mohammad	Supervise On	8/28/2025 9:15:52 AM		
SubDirectory	PS082025	HP Acquire Method		HP Processing Method	ps080725 8151

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031514.D	20 Aug 2025 08:17	AR\AJ	Ok
2	I.BLK	PS031515.D	20 Aug 2025 08:41	AR\AJ	Ok
3	HSTDCCC750	PS031516.D	20 Aug 2025 09:05	AR\AJ	Ok,M
4	Q2879-03RE	PS031517.D	20 Aug 2025 09:29	AR\AJ	Confirms
5	Q2879-09	PS031518.D	20 Aug 2025 09:53	AR\AJ	Ok
6	Q2879-11	PS031519.D	20 Aug 2025 10:21	AR\AJ	Ok,M
7	Q2879-13RE	PS031520.D	20 Aug 2025 10:45	AR\AJ	Confirms
8	Q2879-17	PS031521.D	20 Aug 2025 11:35	AR\AJ	Ok,M
9	Q2888-01MS	PS031522.D	20 Aug 2025 11:59	AR\AJ	Ok,M
10	Q2888-01MSD	PS031523.D	20 Aug 2025 12:24	AR\AJ	Ok,M
11	I.BLK	PS031524.D	20 Aug 2025 14:47	AR\AJ	Ok
12	HSTDCCC750	PS031525.D	20 Aug 2025 15:11	AR\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS080725

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

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24802,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS081925

Review By	Abdul	Review On	8/20/2025 8:43:36 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:32:01 AM		
SubDirectory	PS081925	HP Acquire Method		HP Processing Method	ps080725 8151

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031492.D	19 Aug 2025 12:21		AR\AJ	Ok
2	I.BLK	I.BLK	PS031493.D	19 Aug 2025 12:45		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031494.D	19 Aug 2025 13:09		AR\AJ	Ok
4	PB169287BL	PB169287BL	PS031495.D	19 Aug 2025 17:08		AR\AJ	Ok
5	PB169287BS	PB169287BS	PS031496.D	19 Aug 2025 17:32		AR\AJ	Ok,M
6	Q2879-01	OU4-TS-GRILLO-TSCF	PS031497.D	19 Aug 2025 17:56		AR\AJ	Ok
7	Q2879-03	OU4-TS-GRILLO-TSCF	PS031498.D	19 Aug 2025 18:20	Surrogate low in 1st column	AR\AJ	ReRun
8	Q2879-05	OU4-TS-GRILLO-TSCF	PS031499.D	19 Aug 2025 18:44		AR\AJ	Ok
9	Q2879-07	OU4-TS-GRILLO-TSCF	PS031500.D	19 Aug 2025 19:08		AR\AJ	Ok
10	Q2879-09	OU4-TS-GRILLO-TSCF	PS031501.D	19 Aug 2025 19:33	Surrogate low in both column	AR\AJ	Not Ok
11	I.BLK	I.BLK	PS031502.D	19 Aug 2025 19:57		AR\AJ	Ok
12	HSTDCCC750	HSTDCCC750	PS031503.D	19 Aug 2025 20:21		AR\AJ	Ok,M
13	Q2879-11	OU4-TS-GRILLO-TSCF	PS031504.D	19 Aug 2025 21:33	Surrogate low in both column	AR\AJ	Not Ok
14	Q2879-13	OU4-TS-GRILLO-TSCF	PS031505.D	19 Aug 2025 21:57	Surrogate low in 1st column	AR\AJ	ReRun
15	Q2879-15	OU4-TS-GRILLO-TSCF	PS031506.D	19 Aug 2025 22:22		AR\AJ	Ok,M
16	Q2879-17	OU4-TS-GRILLO-TSCF	PS031507.D	19 Aug 2025 22:46	Surrogate low in both column	AR\AJ	Not Ok
17	Q2884-03	302	PS031508.D	19 Aug 2025 23:10		AR\AJ	Ok,M
18	Q2888-01	VNJ-210	PS031509.D	19 Aug 2025 23:34		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS081925

Review By	Abdul	Review On	8/20/2025 8:43:36 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:32:01 AM		
SubDirectory	PS081925	HP Acquire Method		HP Processing Method	ps080725 8151

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

19	Q2888-01MS	VNJ-210MS	PS031510.D	19 Aug 2025 23:58	some compound recovery fail	AR\AJ	Not Ok
20	Q2888-01MSD	VNJ-210MSD	PS031511.D	20 Aug 2025 00:22	F Flag in comp#14 , some compound recovery fail , RPD fail	AR\AJ	Not Ok
21	I.BLK	I.BLK	PS031512.D	20 Aug 2025 00:46		AR\AJ	Ok
22	HSTDCCC750	HSTDCCC750	PS031513.D	20 Aug 2025 01:10		AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS082025

Review By	Abdul	Review On	8/21/2025 9:37:30 AM		
Supervise By	mohammad	Supervise On	8/28/2025 9:15:52 AM		
SubDirectory	PS082025	HP Acquire Method		HP Processing Method	ps080725 8151

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031514.D	20 Aug 2025 08:17		AR\AJ	Ok
2	I.BLK	I.BLK	PS031515.D	20 Aug 2025 08:41		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031516.D	20 Aug 2025 09:05		AR\AJ	Ok,M
4	Q2879-03RE	OU4-TS-GRILLO-TSCF	PS031517.D	20 Aug 2025 09:29	Surrogate low in 1st column	AR\AJ	Confirms
5	Q2879-09	OU4-TS-GRILLO-TSCF	PS031518.D	20 Aug 2025 09:53		AR\AJ	Ok
6	Q2879-11	OU4-TS-GRILLO-TSCF	PS031519.D	20 Aug 2025 10:21		AR\AJ	Ok,M
7	Q2879-13RE	OU4-TS-GRILLO-TSCF	PS031520.D	20 Aug 2025 10:45	Surrogate low in 1st column	AR\AJ	Confirms
8	Q2879-17	OU4-TS-GRILLO-TSCF	PS031521.D	20 Aug 2025 11:35		AR\AJ	Ok,M
9	Q2888-01MS	VNJ-210MS	PS031522.D	20 Aug 2025 11:59		AR\AJ	Ok,M
10	Q2888-01MSD	VNJ-210MSD	PS031523.D	20 Aug 2025 12:24		AR\AJ	Ok,M
11	I.BLK	I.BLK	PS031524.D	20 Aug 2025 14:47		AR\AJ	Ok
12	HSTDCCC750	HSTDCCC750	PS031525.D	20 Aug 2025 15:11		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/18/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 08/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136842

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
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	1	1.18	10.28	11.46	10.34	89.1	
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	2	1.18	10.24	11.42	10.1	87.1	
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	3	1.16	10.04	11.2	10.51	93.1	
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	4	1.17	10.46	11.63	10.67	90.8	
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	5	1.18	10.09	11.27	10.61	93.5	
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	6	1.16	10.83	11.99	11.05	91.3	
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	7	1.18	10.47	11.65	10.9	92.8	
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	8	1.19	10.58	11.77	10.85	91.3	
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	9	1.12	10.76	11.88	9.4	77.0	
Q2880-05	SVOC-GPC-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q2880-06	PEST-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2880-07	PEST-GPC-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2880-08	SVOC-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q2880-09	PEST-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2880-10	PEST -GPC2-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2883-01	RBR2520553	16	1.15	10.43	11.58	10.48	89.5	
Q2883-02	RBR2520553-E2	17	1.14	10.75	11.89	10.77	89.6	
Q2884-01	VNJ-232	18	1.12	10.11	11.23	10.8	95.7	
Q2884-02	VNJ-232	19	1.19	10.39	11.58	11.15	95.9	
Q2884-03	302	20	1.19	10.34	11.53	10.6	91.0	
Q2888-01	VNJ-210	21	1.18	10.04	11.22	10.71	94.9	
Q2889-01	PL-02-081525-	22	1.14	10.22	11.36	10.67	93.2	
Q2889-02	EO-02-081525-E2	23	1.19	10.42	11.61	10.68	91.1	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 136842

WorkList Name : %1-081525 **WorkList ID :** 191293 **Department :** Wet-Chemistry **Date :** 08-15-2025 08:56:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2879-01	OU4-TS-GRILLO-TSCP03-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-03	OU4-TS-GRILLO-TSCP04-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-05	OU4-TS-GRILLO-TSCP05-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-07	OU4-TS-GRILLO-TSCP06-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-09	OU4-TS-GRILLO-TSCP07-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-11	OU4-TS-GRILLO-TSCP08-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-13	OU4-TS-GRILLO-TSCP09-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-15	OU4-TS-GRILLO-TSCP10-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-17	OU4-TS-GRILLO-TSCP11-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2880-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2883-01	RBR2520553	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO
Q2883-02	RBR2520553-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO
Q2884-01	VNJ-232	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2884-02	VNJ-232	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2884-03	302	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2888-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO

Date/Time 08/15/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 08/15/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

WB176842

WorkList Name : %1-081525 **WorkList ID :** 191293 **Department :** Wet-Chemistry **Date :** 08-15-2025 08:56:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2889-01	PL-02-081525-	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/15/2025	Chemtech -SO
Q2889-02	EO-02-081525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/15/2025	Chemtech -SO

Date/Time 08/15/25 15:00
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 08/15/25 17:35
Raw Sample Received by:
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169287

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,4,7

Extraction Start Date : 08/18/2025

Extraction Start Time : 09:40

Extraction End Date : 08/18/2025

Extraction End Time : 17:30

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	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	EP2633
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	E3962
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.Q2884-03 used Limited volume as sample is Oily Debris & Small Particles.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/18/25	RJ(EXT-Lab)	R. Pesc/PCB Lab
17:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169287

Analytical Method: M8151A-Herbicide-23

Concentration Date: 08/18/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169287BL	HBLK287	Herbicide Group1	30.01	N/A	ritesh	Evelyn	10			U2-1
PB169287BS	HLCS287	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10			2
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	Herbicide Group1	30.05	N/A	ritesh	Evelyn	10	E		3
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	Herbicide Group1	30.09	N/A	ritesh	Evelyn	10	E		4
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	Herbicide Group1	30.01	N/A	ritesh	Evelyn	10	E		5
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		6
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	Herbicide Group1	30.08	N/A	ritesh	Evelyn	10	E		U3-1
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	Herbicide Group1	30.06	N/A	ritesh	Evelyn	10	E		2
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	Herbicide Group1	30.04	N/A	ritesh	Evelyn	10	E		3
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	Herbicide Group1	30.07	N/A	ritesh	Evelyn	10	E		4
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		5
Q2884-03	302	Herbicide	5.02	N/A	ritesh	Evelyn	10	C	Oily Debris+S.Partical	6
Q2888-01	VNJ-210	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		U6-1
Q2888-01MS	VNJ-210MS	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		2
Q2888-01MSD	VNJ-210MSD	Herbicide	30.09	N/A	ritesh	Evelyn	10	E		3

RJ 8/18

* **Extracts relinquished on the same date as received.**

16928 9:40

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2879 **WorkList ID :** 191321 **Department :** Extraction **Date :** 08-18-2025 08:04:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2879-01	OU4-TS-GRILLO-TSCP03-081	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	J23	08/14/2025	8151A
Q2879-03	OU4-TS-GRILLO-TSCP04-081	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	J23	08/14/2025	8151A
Q2879-05	OU4-TS-GRILLO-TSCP05-081	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	J23	08/14/2025	8151A
Q2879-07	OU4-TS-GRILLO-TSCP06-081	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	J23	08/14/2025	8151A
Q2879-09	OU4-TS-GRILLO-TSCP07-081	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	J23	08/14/2025	8151A
Q2879-11	OU4-TS-GRILLO-TSCP08-081	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	J23	08/14/2025	8151A
Q2879-13	OU4-TS-GRILLO-TSCP09-081	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	J23	08/14/2025	8151A
Q2879-15	OU4-TS-GRILLO-TSCP10-081	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	J23	08/14/2025	8151A
Q2879-17	OU4-TS-GRILLO-TSCP11-0814	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	J23	08/14/2025	8151A
Q2884-03	302	Solid	Herbicide	Cool 4 deg C	PSEG03	D31	08/15/2025	8151A
Q2888-01	VNJ-210	Solid	Herbicide	Cool 4 deg C	PSEG03	D21	08/15/2025	8151A

Date/Time 08/18/25 9:35
Raw Sample Received by: RJ (LEXL-Cels)
Raw Sample Relinquished by: SM

Date/Time 08/18/25 10:00
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (LEXL-Cels)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2879

Test : Herbicide Group1

Prepbatch ID : PB169287,

Sequence ID/Qc Batch ID: ps081925,PS082025,

Standard ID :
EP2626,EP2633,PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24654,PP24737,PP24802,PP24803,PP24804,

Chemical ID :
E3875,E3933,E3940,E3949,E3951,E3952,E3954,E3956,E3962,M6151,M6157,P 11183,P12620,P12630,P12689,P12711,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
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
601	Acidified Sodium Sulphate 2	EP2633	08/15/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/18/2025

FROM 1000.00000ml of E3952 + 150.00000ml of M6157 + 3000.00000ml of E3875 = Final Quantity: 3000.000 gram

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1321	2/200 PPM Herb Mega Mix	PP24553	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.20000ml of P8829 + 1.00000ml of P11183 + 1.00000ml of P12620 + 1.00000ml of P12630 + 1.00000ml of P12689 + 95.80000ml of E3933 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24654	06/18/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/23/2025

FROM 1.25000ml of P13543 + 1.25000ml of P13544 + 1.25000ml of P13545 + 1.25000ml of P13546 + 95.00000ml of E3940 = Final Quantity: 100.000 ml

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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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1851	2/200 PPM Herb Mega Mix 2nd Source	PP24802	08/07/2025	08/31/2025	Abdul Mirza	None	None	Yogesh Patel 08/19/2025

FROM 0.50000ml of P13971 + 1.00000ml of P12711 + 48.50000ml of E3962 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1854	1000 PPB HERB MIX ICV STD	PP24803	08/07/2025	08/31/2025	Abdul Mirza	None	None	Yogesh Patel 08/19/2025

FROM 0.50000ml of E3962 + 0.50000ml of PP24802 = 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	PP24804	08/07/2025	08/31/2025	Abdul Mirza	None	None	Yogesh Patel 08/19/2025

FROM 0.25000ml of E3962 + 0.75000ml of PP24803 = Final Quantity: 1.000 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	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9244-03 / Ether, Anhydrous, Purified (cs/4x4L)	250419	05/31/2026	07/09/2025 / RUPESH	07/09/2025 / RUPESH	E3952

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

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	02/17/2026	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12620

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A192429	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32059 / Herbicide Mix#3 (Methyl Ester), 20000 ug/ml	A0199844	11/12/2025	05/12/2025 / Abdul	07/24/2023 / Abdul	P12689

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	08/31/2025	08/07/2025 / Abdul	08/09/2023 / Abdul	P12711

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	08/31/2025	08/07/2025 / Abdul	08/09/2023 / Abdul	P12711

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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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13543

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13544

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13544

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13545

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

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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 #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13546

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/12/2025	05/12/2025 / Abdul	04/02/2025 / Abdul	P13971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	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

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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	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. MÉXICO
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:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
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%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

RE-02-01, Ed. 3

E 3875

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC E3933

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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

Read on 7/2/25

E3949

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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	

ThermoFisher SCIENTIFIC

Fisher Scientific UK Ltd.
755 US Highway
Bridgewater,
NJ 08807 202, United States of America

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	E198
Lot Number	250419
Description	ETHYL ETHER, HPLC GRADE
CAS Number	60-29-7
Quality Test/Release Date	02/Jun/2025
Suggested retest date	31/May/2026
Country of Origin	Mexico
Declaration of Origin	Organic - synthetic
BSE/TSE	This product was derived from synthetic raw materials and the manufacturing process excluded contamination with any animal products.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid free of suspended matter
ASSAY	%	>= 99	99.95
CARBONYL COMPOUNDS	%	<= 0.001	<0.001
COLOR	APHA	<= 10	5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.708 - 0.710	0.710
EVAPORATION RESIDUE	ppm	<= 5	0.1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 218 NM	ABSORBANCE UNITS	<= 1.00	0.15
OPTICAL ABS AT 254 NM	ABSORBANCE UNITS	<= 0.07	0.03
OPTICAL ABS AT 280 NM	ABSORBANCE UNITS	<= 0.02	0.003
OPTICAL ABS AT 350 NM	ABSORBANCE UNITS	<= 0.01	<0.001
PEROXIDE	ppm	<= 5	<1
PRESERVATIVE - ETHANOL	%	Inclusive Between 1.5 - 2.5	1.6
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.3490 - 1.3520	1.3498
SUBSTANCES DARKENED BY H2SO4	PASS/FAIL	= PASS TEST	PASS TEST
TITRATABLE ACID	MEQ/G	<= 0.0002	<0.00003
WATER (H2O)	%	<= 0.01	0.008

Matthew Micek
QC Supervisior

received on 7/9/25

E3952

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

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

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

Recieved on 7/30/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3962

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R-> 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

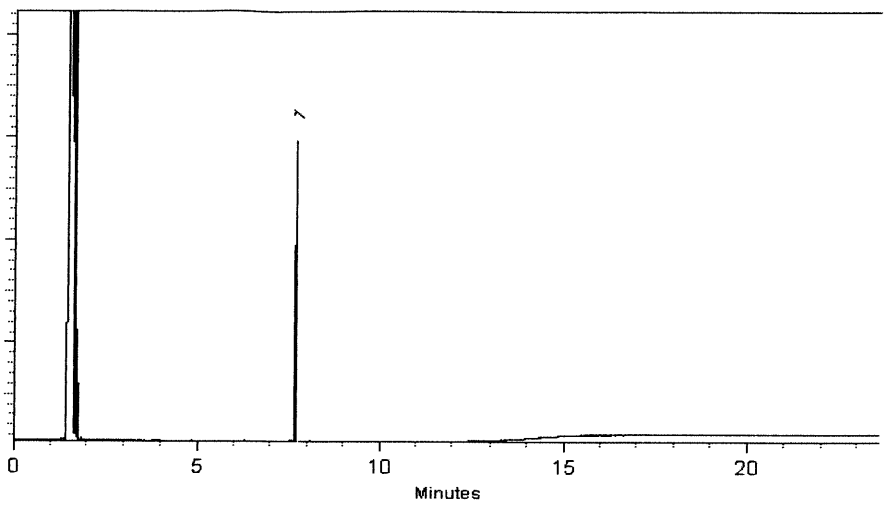
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 111177 to P 111186

AR 11/02/21

RESTEK
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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323	µg/mL	Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182	µg/mL	Unstressed
	Purity 99%		+/- 6.8182	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P111177
↓
P111186

AR
11/02/21

RESTEK
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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)

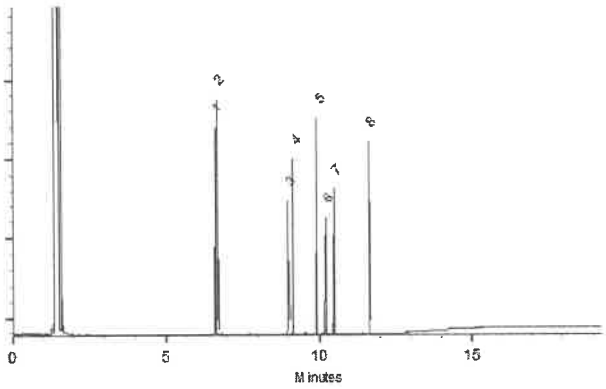
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Justine Albertson - Operations Tech-ARM QC

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Date Passed: 18-Nov-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12626 (5) & P12630 1

7/5/2023

Catalog No. : 32055 **Lot No.:** A0192429

Description : Herbicide Mix #1/ME (Methyl Ester)

Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	11705400	99%	201.6 µg/mL	+/- 3.4204
2	Dichlorprop methyl ester	57153-17-0	11672100	99%	201.4 µg/mL	+/- 3.4170
3	2,4-D methyl ester	1928-38-7	10048000	99%	201.2 µg/mL	+/- 3.4136
4	2,4,5-TP (silvex) methyl ester	4841-20-7	6364900	99%	201.2 µg/mL	+/- 3.4136
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	200.7 µg/mL	+/- 3.4052
6	Dinoseb methyl ether	6099-79-2	12914300	99%	200.8 µg/mL	+/- 3.4068
7	2,4-DB methyl ester	18625-12-2	12542000	99%	201.0 µg/mL	+/- 3.4102

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

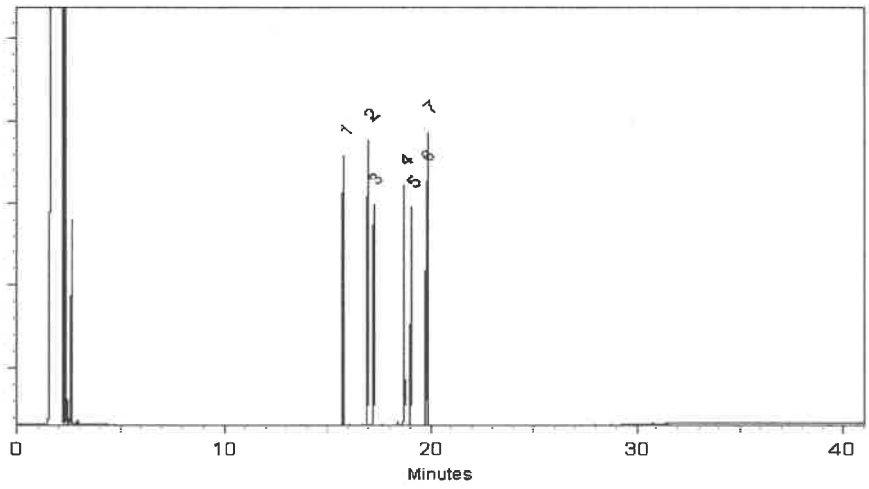
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 09-Dec-2022 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 12-Dec-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 12685 ↓ P 12689 (S)

7/24/23

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)

Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

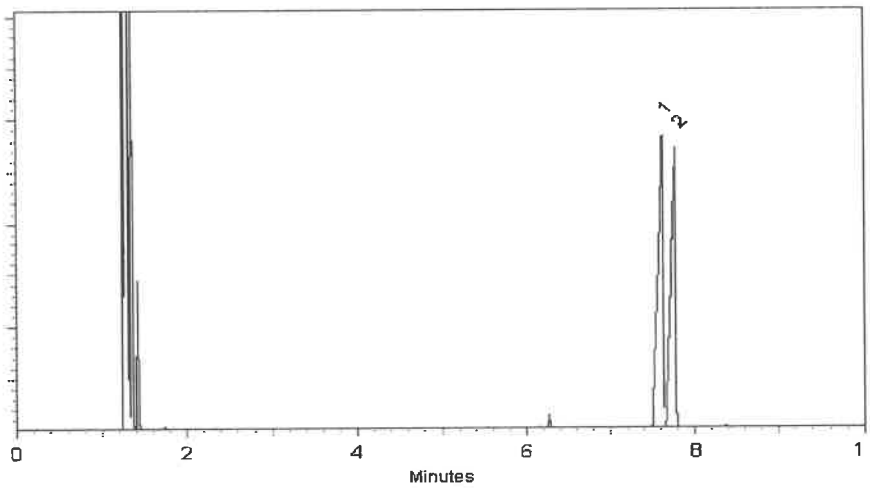
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Agilent

Trusted Answers

P12706 ↓ P12715 (10)

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Product Number: HBM-8151M-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006752480

Lot Issue Date: 18-Jul-2023

Expiration Date: 31-Aug-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen methyl ester	100.3	±	0.5 µg/mL	050594-67-7	RM03058
bentazon methyl derivative	100.2	±	0.5 µg/mL	061592-45-8	RM13829
chloramben methyl ester	100.4	±	0.5 µg/mL	007286-84-2	RM03055
2,4-D methyl ester	100.2	±	0.5 µg/mL	001928-38-7	RM03040
dalapon methyl ester	100.4	±	0.5 µg/mL	017640-02-7	RM14219
2,4-DB methyl ester	100.2	±	0.5 µg/mL	018625-12-2	RM03029
DCPA	100.2	±	0.5 µg/mL	001861-32-1	RM13426
dicamba methyl ester	100.4	±	0.5 µg/mL	006597-78-0	RM03039
methyl-3,5-dichlorobenzoate	100.1	±	0.5 µg/mL	002905-67-1	RM03048
dichlorprop methyl ester	100.4	±	0.5 µg/mL	057153-17-0	NT02086
dinoseb methyl ether	100.5	±	0.5 µg/mL	006099-79-2	RM03051
MCPA methyl ester	10031	±	50 µg/mL	002436-73-9	RM12863
MCPP methyl ester	10031	±	50 µg/mL	023844-56-6	RM20060
4-nitroanisole	100.3	±	0.5 µg/mL	000100-17-4	RM02806
pentachloroanisole	100.4	±	0.5 µg/mL	001825-21-4	RM02457
picloram methyl ester	100.2	±	0.5 µg/mL	014143-55-6	RM03044
silvex methyl ester	100.2	±	0.5 µg/mL	004841-20-7	RM03799
2,4,5-T methyl ester	100.4	±	0.5 µg/mL	001928-37-6	RM03033

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Agilent

Trusted Answers

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

P12706 (10)
↓
P12715

8.15.23

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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:
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:
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:
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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
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.)

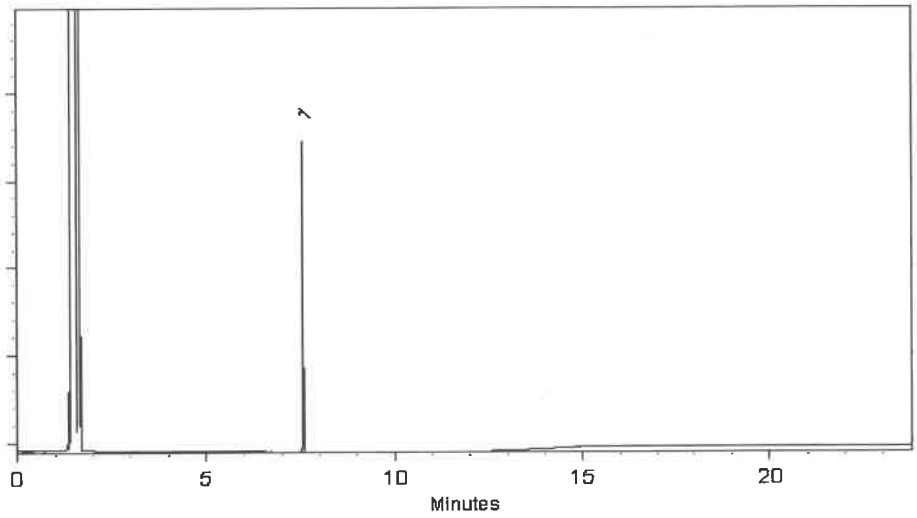
Inj. Temp:
250°C

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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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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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.)

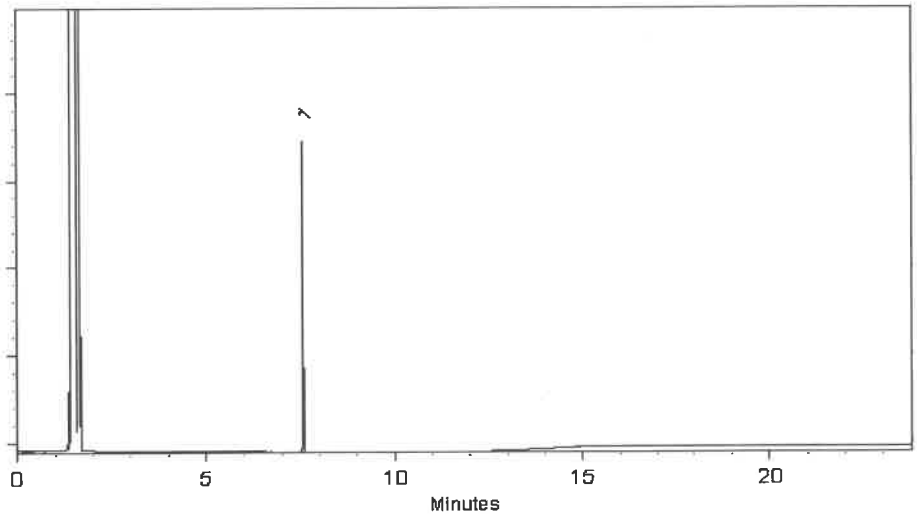
Inj. Temp:
250°C

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 Registered Quality System Certificate #FM 80397

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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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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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
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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by SG on 8/16/19
P8828
P8826

Catalog No. : 32254 **Lot No.:** A0148063

Description : Dalapon methyl ester Standard

Dalapon methyl ester 1000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dalapon methyl ester	999.6 µg/mL	+/- 10.0697	µg/mL	Gravimetric
	CAS # 17640-02-7 (Lot 1764600)		+/- 34.4896	µg/mL	Unstressed
	Purity 98%		+/- 34.4896	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

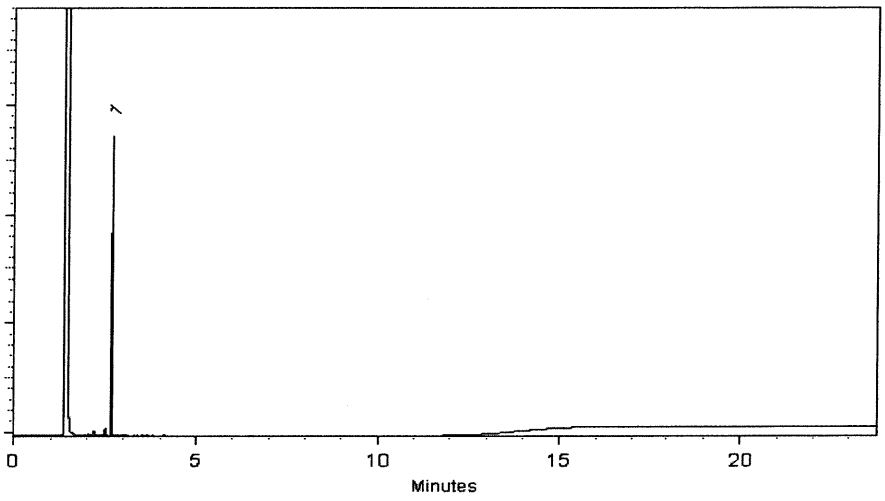
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2019 **Balance:** 1127510105

Fang-Yun Lo - QC Analyst

Date Passed: 15-Apr-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Q 2879

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

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/Numbe	
Invoice Recipient:	
Sampled By:	A. Brittingham

Requested Turnaround Time
5-Day [X] 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-TSCP03-081425	8/14/25	11:30	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP04-081425	8/14/25	11:35	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP05-081425	8/14/25	11:40	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP06-081425	8/14/25	11:45	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP07-081425	8/14/25	11:50	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP08-081425	8/14/25	11:55	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP09-081425	8/14/25	12:00	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP10-081425	8/14/25	12:05	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-TSCP11-081425	8/14/25	12:10	G	SO		3	2	1				X	X	X	X	X	X	X	X	X

[2] Preservation Code

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time:	8/15 9:09
Received by: (signature)	Date/Time:	8/15 9:09
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Client Comments:
3.2

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:

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	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2879 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 8/15/2025 9:15:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 8/15/2025 9:09:00 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
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	Solid	08/14/2025	11:30					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	Solid	08/14/2025	11:35					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	Solid	08/14/2025	11:40					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	Solid	08/14/2025	11:45					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	Solid	08/14/2025	11:50					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	Solid	08/14/2025	11:55					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	Solid	08/14/2025	12:00					
					VOCMS Group3		8260D		5 Bus. Days
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	Solid	08/14/2025	12:05					

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2879 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 8/15/2025 9:15:00 AM
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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
					VOCMS Group3		8260D	5 Bus. Days		
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	Solid	08/14/2025	12:10						
					VOCMS Group3		8260D	5 Bus. Days		

Relinguished By :
Date / Time : 8/15/25 1230

Received By : Sam
Date / Time : 8/15/25 1230

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 13:38
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: Aug 08 03:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.293	7.746	4300.6E6	1207.0E6	1385.909	1451.003
		Target Compounds						
1)	T	Dalapon	2.675	2.695	6571.4E6	3354.7E6	1282.748	1295.259
2)	T	3,5-DICHL...	6.459	6.696	5991.0E6	1757.4E6	1294.004	1325.654
3)	T	4-Nitroph...	7.094	7.284	1321.9E6	1575.2E6	1275.258	1240.620
5)	T	DICAMBA	7.480	7.946	18333.3E6	7834.1E6	1327.348	1386.217
6)	T	MCPP	7.663	8.048	1283.0E6	264.1E6	151.602	142.200
7)	T	MCPA	7.813	8.298	1498.1E6	387.4E6	147.916	134.444
8)	T	DICHLORPROP	8.188	8.665	4076.4E6	1756.7E6	1326.622	1348.210
9)	T	2,4-D	8.421	9.002	3828.8E6	1864.9E6	1390.203	1315.572
10)	T	Pentachlo...	8.730	9.516	51861.9E6	44106.6E6	1034.094	1242.198
11)	T	2,4,5-TP ...	9.298	9.901	24128.8E6	17673.8E6	1347.386	1350.223
12)	T	2,4,5-T	9.593	10.329	21009.4E6	16473.4E6	1423.670	1387.004
13)	T	2,4-DB	10.167	10.896	2944.9E6	1348.9E6	1521.765	1412.360
14)	T	DINOSEB	11.372	11.277	17259.4E6	12812.8E6	1352.227	1347.159
15)	T	Picloram	11.192	12.390	20782.9E6	28274.2E6	1577.444	1567.574
16)	T	DCPA	11.672	12.319	31189.0E6	27119.8E6	1361.610	1367.066

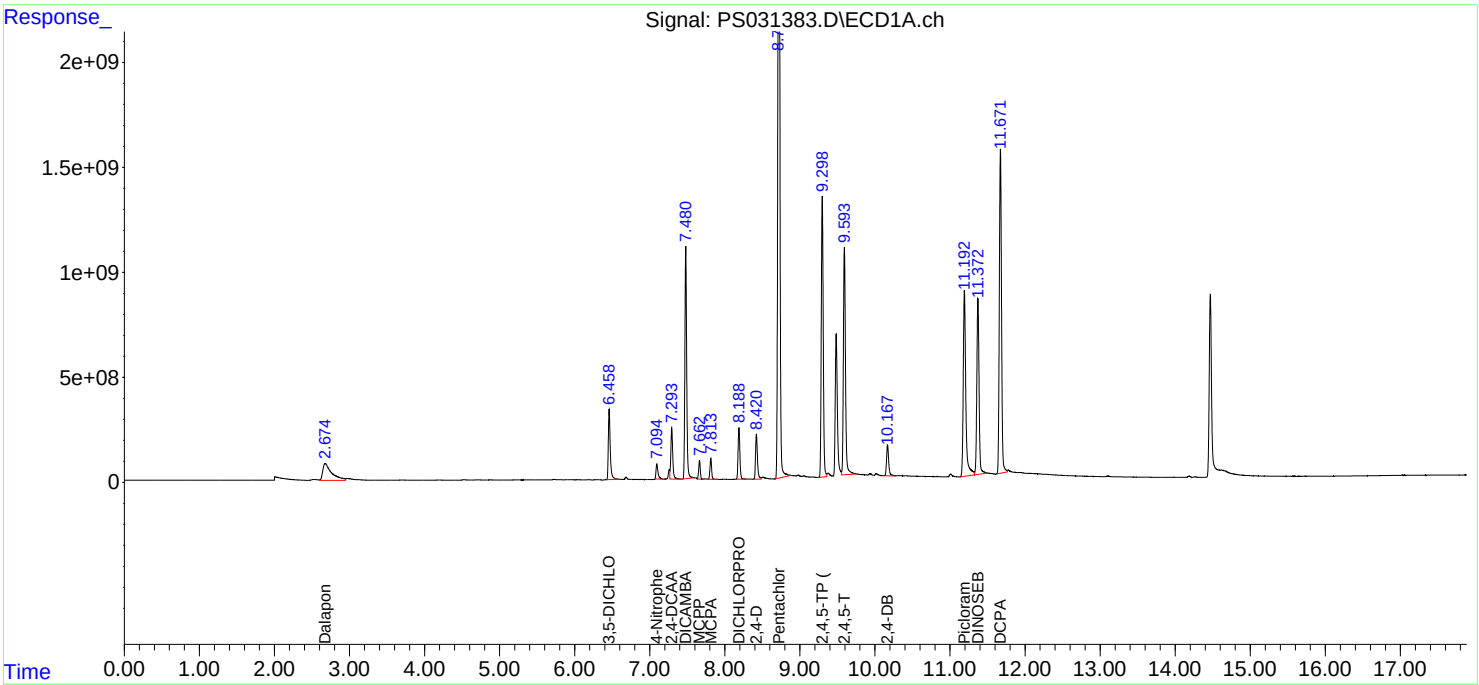
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

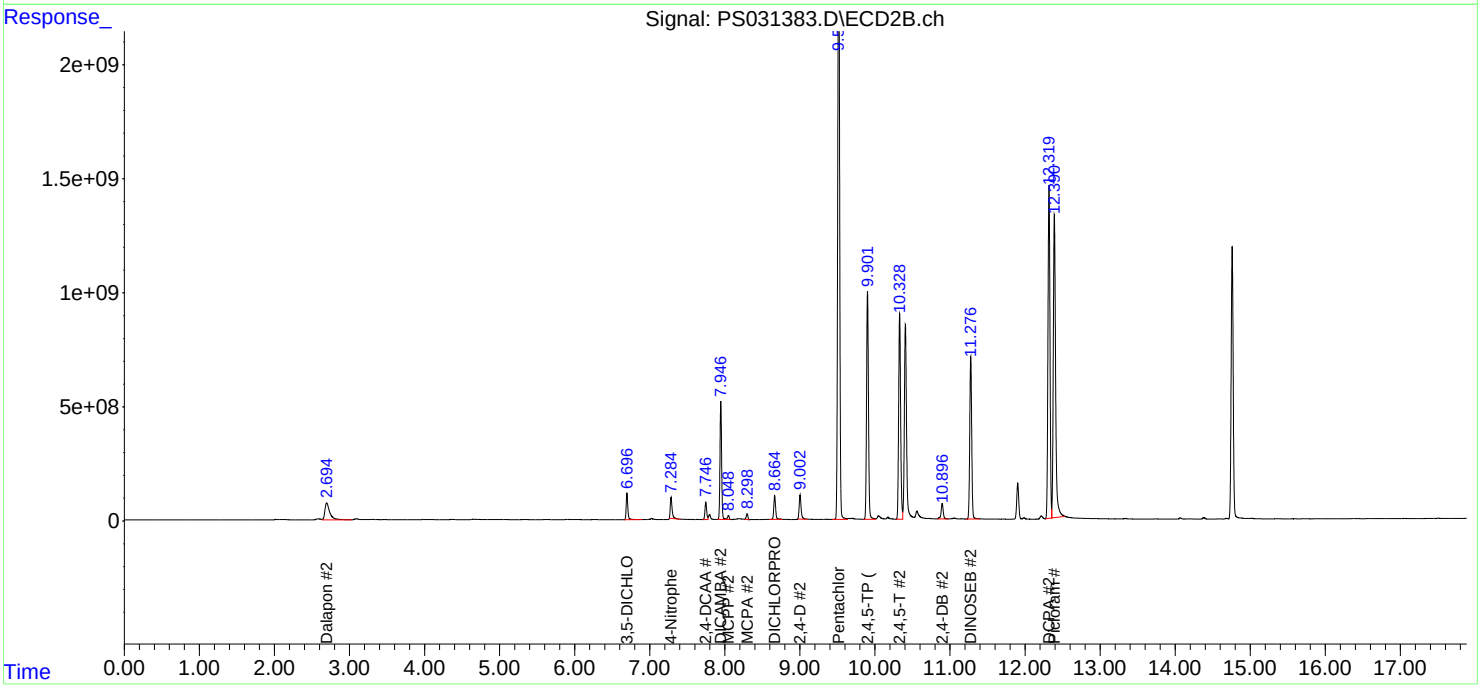
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS080725\
Data File : PS031383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 13:38
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

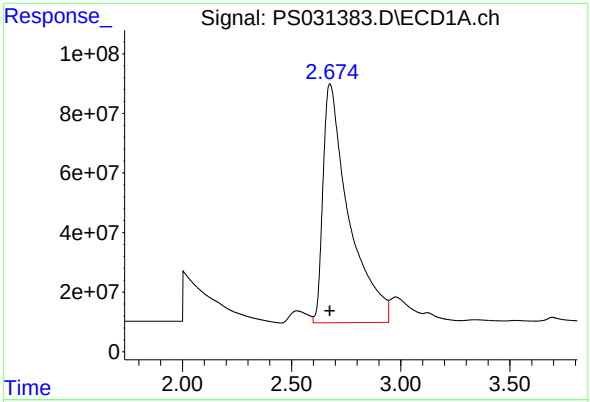
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 08 03:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:11:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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



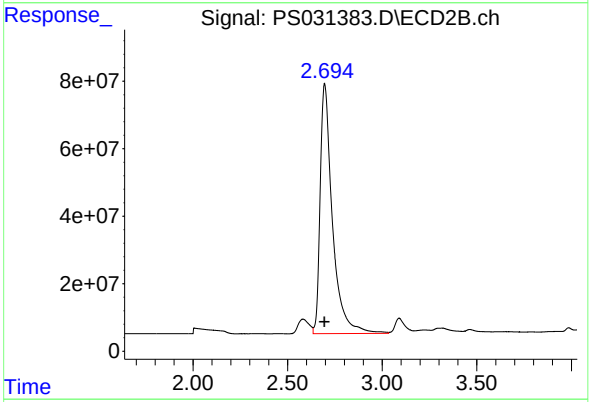




#1 Dalapon

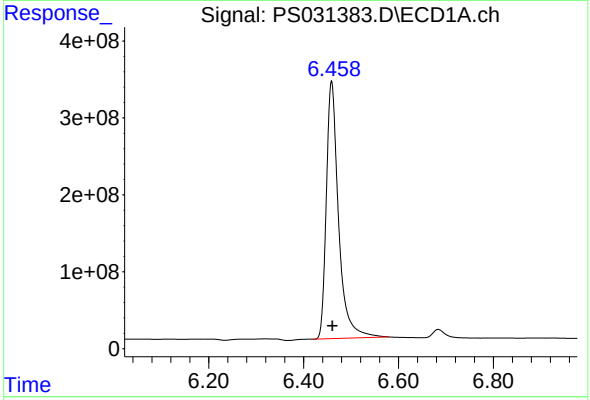
R.T.: 2.675 min
Delta R.T.: 0.000 min
Response: 6571423644
Conc: 1282.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



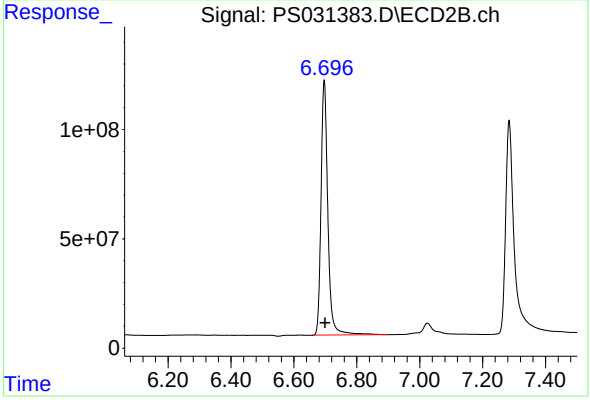
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: 0.000 min
Response: 3354708310
Conc: 1295.26 ng/ml



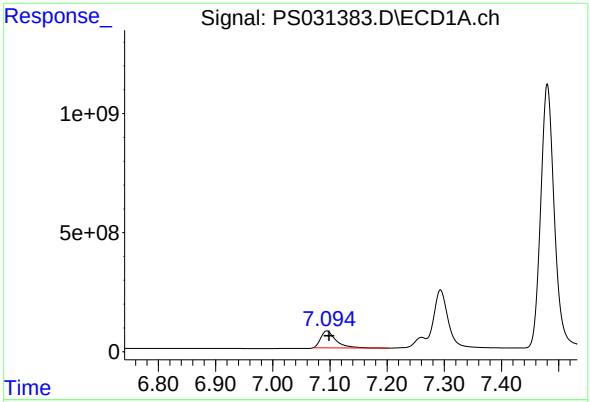
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.459 min
Delta R.T.: -0.002 min
Response: 5990996351
Conc: 1294.00 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

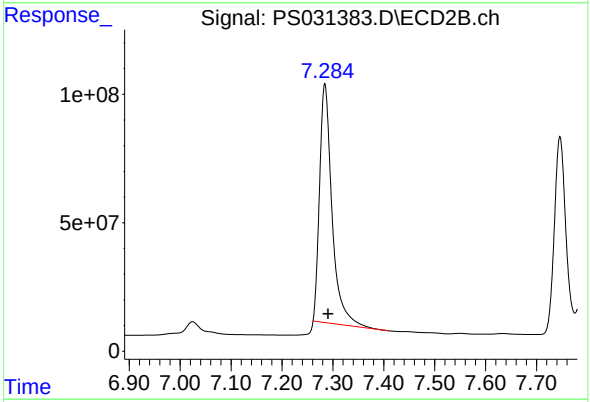
R.T.: 6.696 min
Delta R.T.: -0.002 min
Response: 1757375989
Conc: 1325.65 ng/ml



#3 4-Nitrophenol

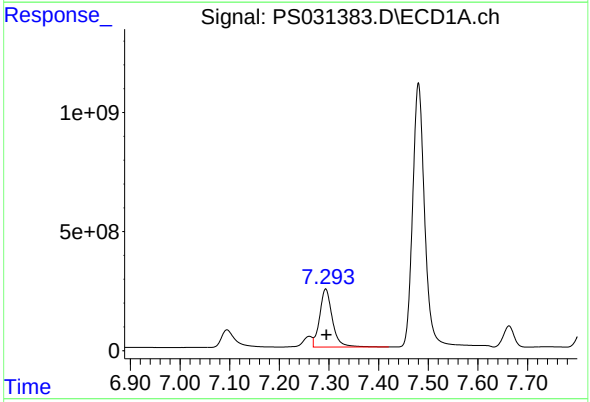
R.T.: 7.094 min
Delta R.T.: -0.004 min
Response: 1321875892
Conc: 1275.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



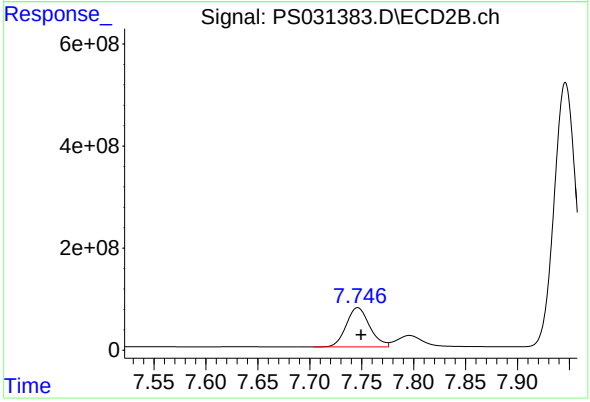
#3 4-Nitrophenol

R.T.: 7.284 min
Delta R.T.: -0.006 min
Response: 1575155069
Conc: 1240.62 ng/ml



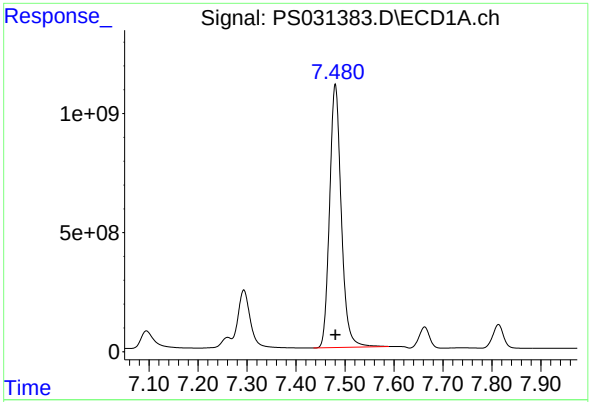
#4 2,4-DCAA

R.T.: 7.293 min
Delta R.T.: -0.001 min
Response: 4300621501
Conc: 1385.91 ng/ml



#4 2,4-DCAA

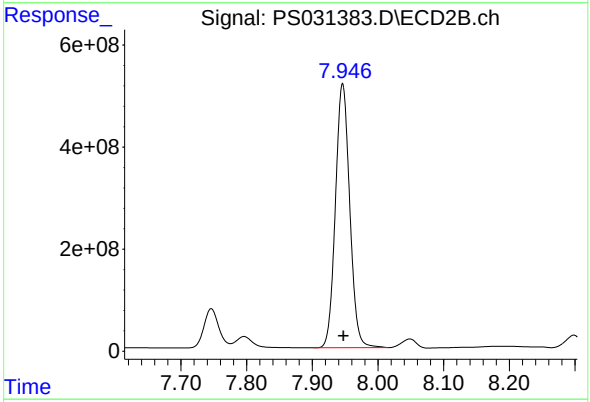
R.T.: 7.746 min
Delta R.T.: -0.003 min
Response: 1206979814
Conc: 1451.00 ng/ml



#5 DICAMBA

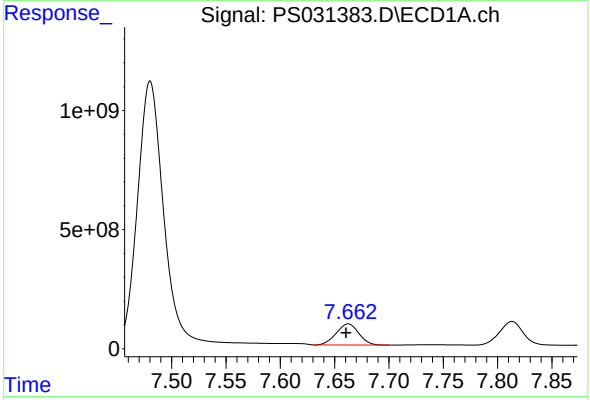
R.T.: 7.480 min
Delta R.T.: 0.000 min
Response: 18333278288
Conc: 1327.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



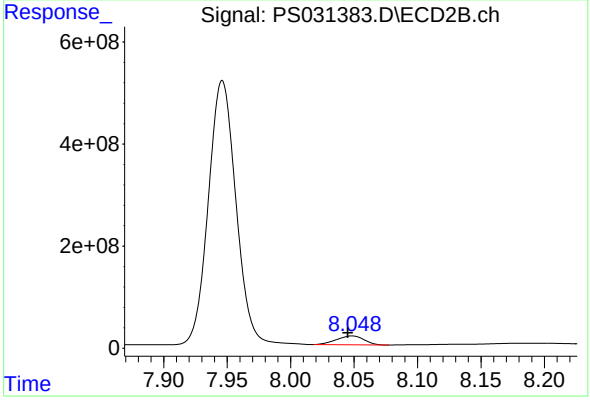
#5 DICAMBA

R.T.: 7.946 min
Delta R.T.: -0.001 min
Response: 7834122837
Conc: 1386.22 ng/ml



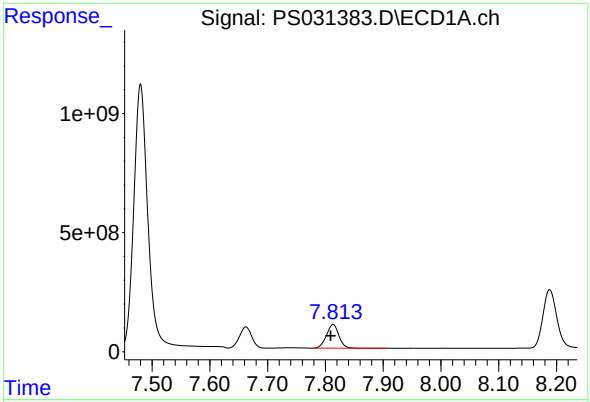
#6 MCPP

R.T.: 7.663 min
Delta R.T.: 0.002 min
Response: 1283034464
Conc: 151.60 ug/ml



#6 MCPP

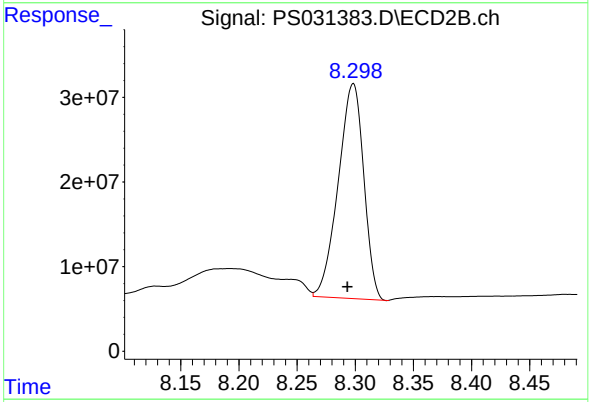
R.T.: 8.048 min
Delta R.T.: 0.003 min
Response: 264116324
Conc: 142.20 ug/ml



#7 MCPA

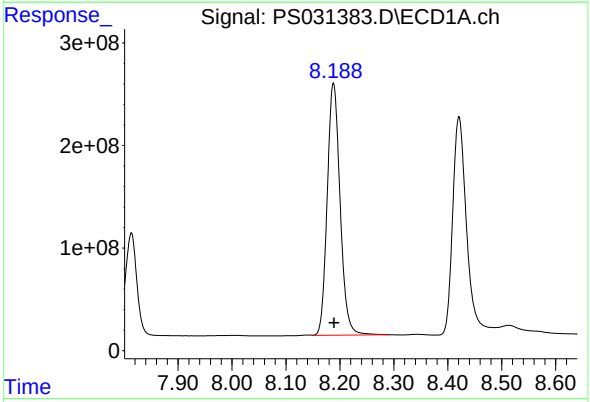
R.T.: 7.813 min
Delta R.T.: 0.004 min
Response: 1498055156
Conc: 147.92 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



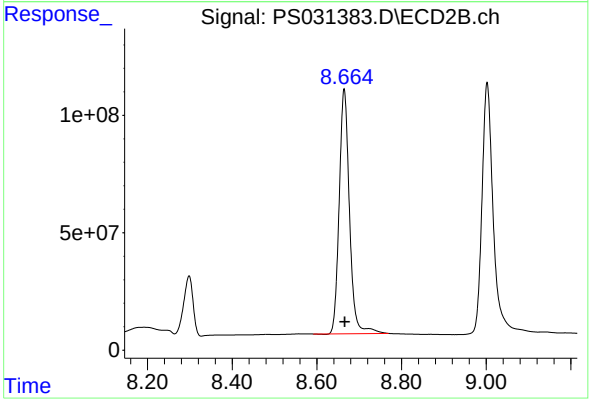
#7 MCPA

R.T.: 8.298 min
Delta R.T.: 0.005 min
Response: 387396802
Conc: 134.44 ug/ml



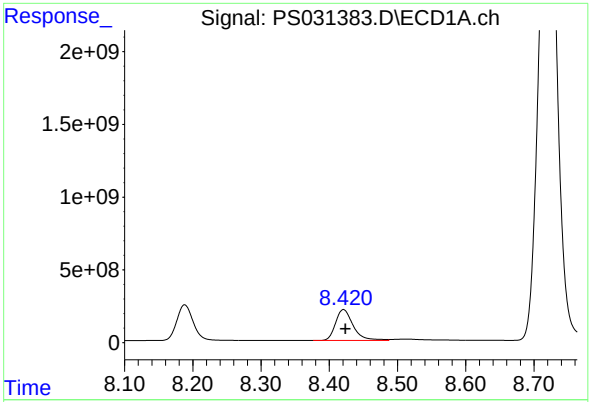
#8 DICHLORPROP

R.T.: 8.188 min
Delta R.T.: -0.001 min
Response: 4076445938
Conc: 1326.62 ng/ml



#8 DICHLORPROP

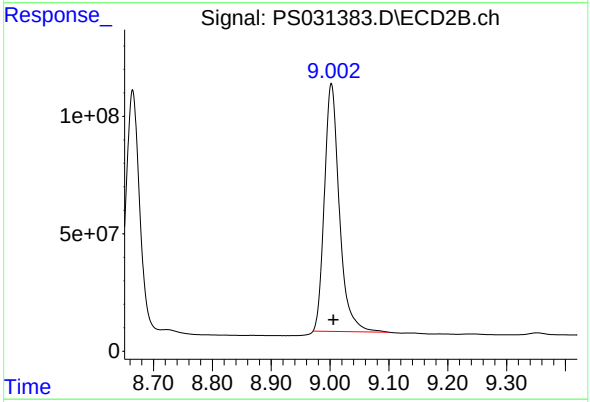
R.T.: 8.665 min
Delta R.T.: -0.001 min
Response: 1756709502
Conc: 1348.21 ng/ml



#9 2,4-D

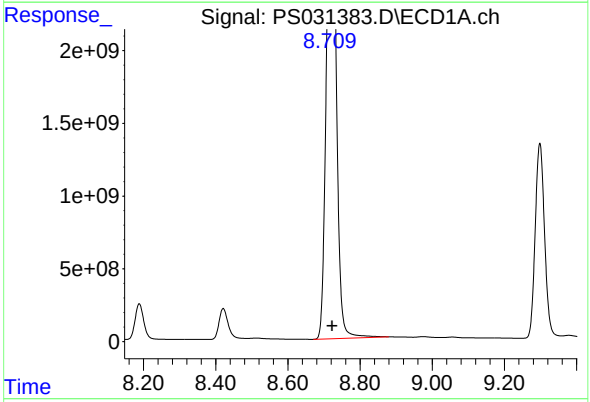
R.T.: 8.421 min
Delta R.T.: -0.003 min
Response: 3828761541
Conc: 1390.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



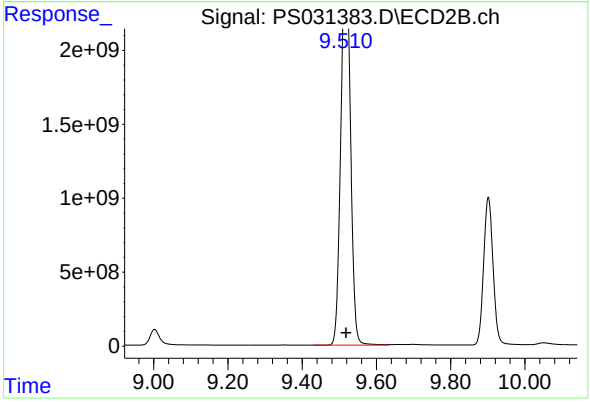
#9 2,4-D

R.T.: 9.002 min
Delta R.T.: -0.003 min
Response: 1864890627
Conc: 1315.57 ng/ml



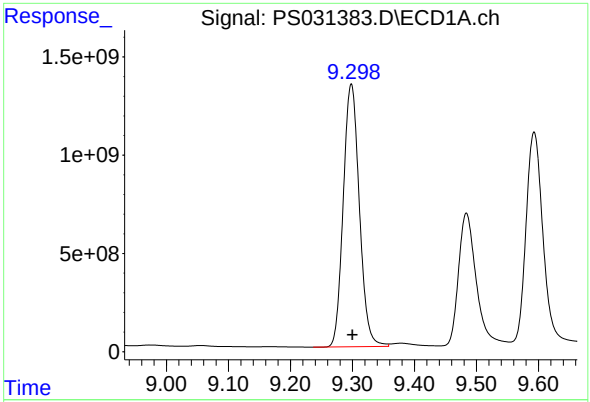
#10 Pentachlorophenol

R.T.: 8.730 min
Delta R.T.: 0.007 min
Response: 51861878538
Conc: 1034.09 ng/ml



#10 Pentachlorophenol

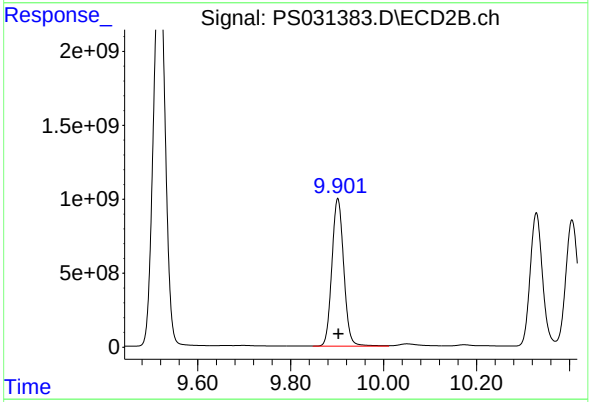
R.T.: 9.516 min
Delta R.T.: -0.002 min
Response: 44106560330
Conc: 1242.20 ng/ml



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

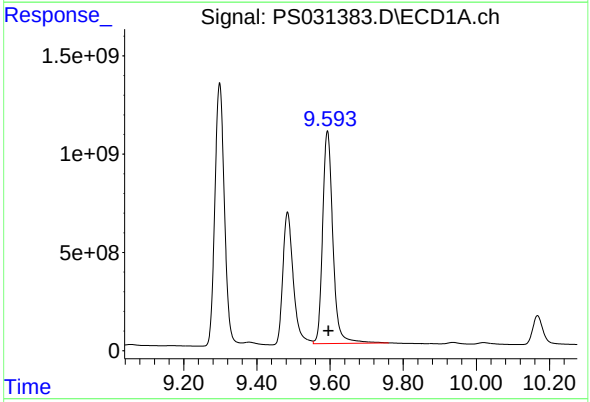
R.T.: 9.298 min
Delta R.T.: -0.002 min
Response: 24128775156
Conc: 1347.39 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



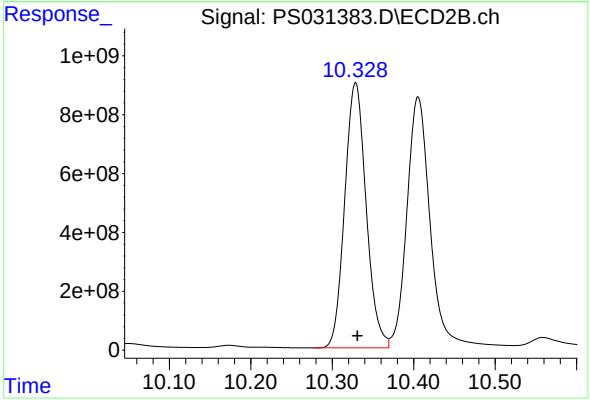
#11 2,4,5-TP (SILVEX)

R.T.: 9.901 min
Delta R.T.: -0.001 min
Response: 17673781554
Conc: 1350.22 ng/ml



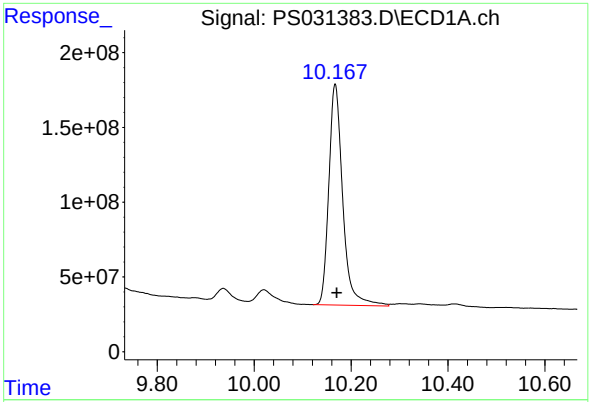
#12 2,4,5-T

R.T.: 9.593 min
Delta R.T.: -0.002 min
Response: 21009440309
Conc: 1423.67 ng/ml



#12 2,4,5-T

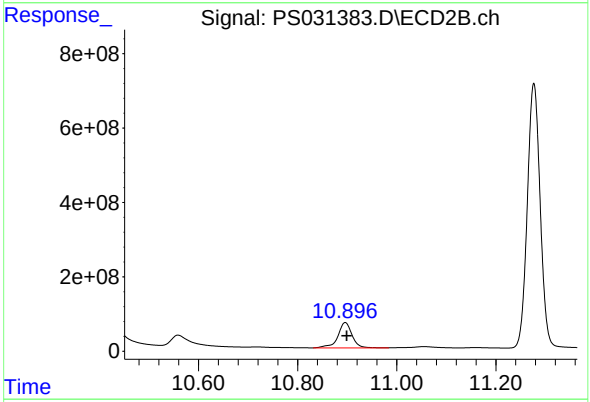
R.T.: 10.329 min
Delta R.T.: -0.002 min
Response: 16473371449
Conc: 1387.00 ng/ml



#13 2,4-DB

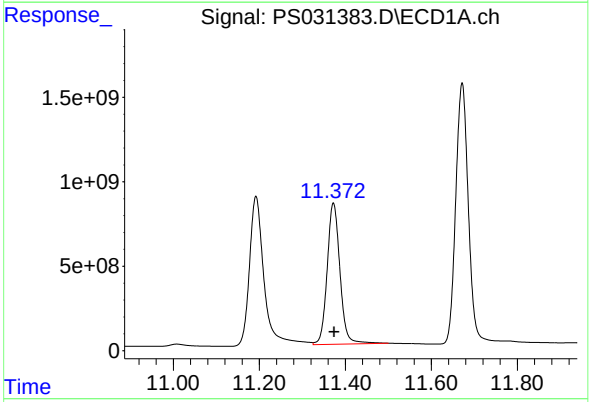
R.T.: 10.167 min
Delta R.T.: -0.003 min
Response: 2944921967
Conc: 1521.77 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



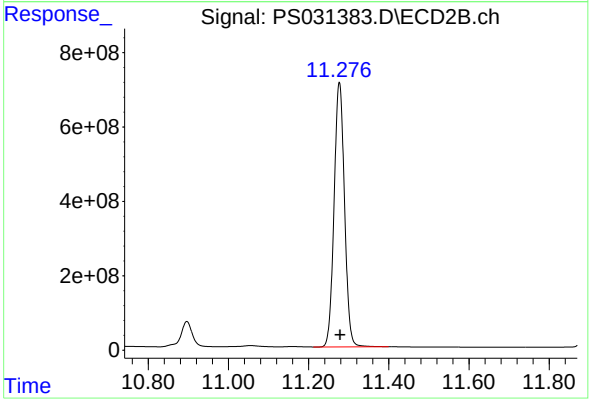
#13 2,4-DB

R.T.: 10.896 min
Delta R.T.: -0.003 min
Response: 1348917395
Conc: 1412.36 ng/ml



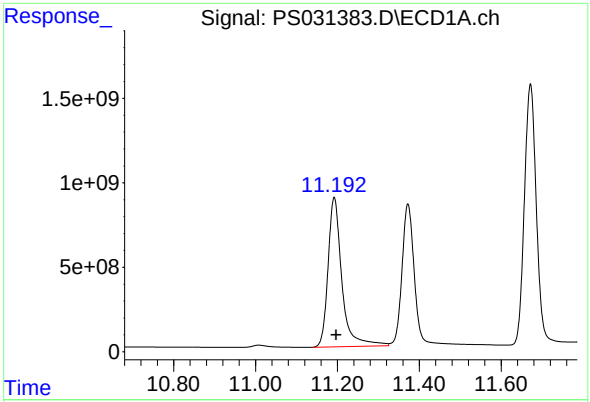
#14 DINOSEB

R.T.: 11.372 min
Delta R.T.: -0.001 min
Response: 17259444358
Conc: 1352.23 ng/ml



#14 DINOSEB

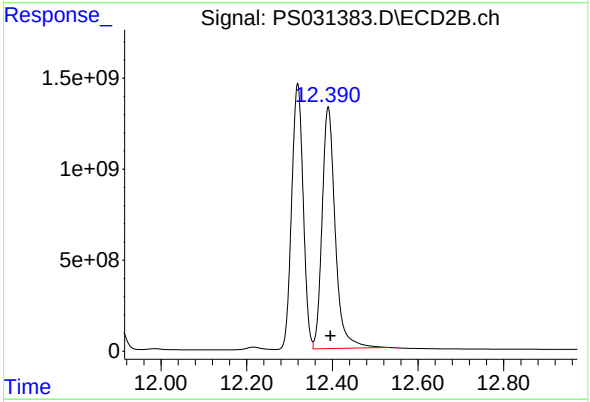
R.T.: 11.277 min
Delta R.T.: -0.002 min
Response: 12812781645
Conc: 1347.16 ng/ml



#15 Picloram

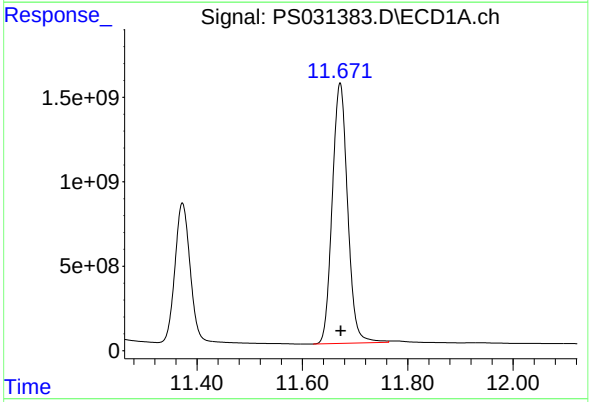
R.T.: 11.192 min
Delta R.T.: -0.005 min
Response: 20782904841
Conc: 1577.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



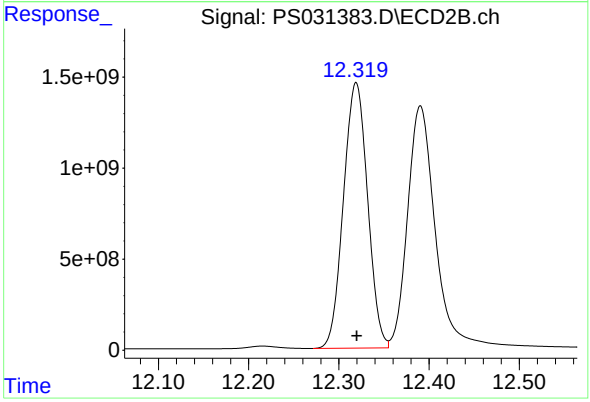
#15 Picloram

R.T.: 12.390 min
Delta R.T.: -0.005 min
Response: 28274237303
Conc: 1567.57 ng/ml



#16 DCPA

R.T.: 11.672 min
Delta R.T.: -0.001 min
Response: 31189001946
Conc: 1361.61 ng/ml



#16 DCPA

R.T.: 12.319 min
Delta R.T.: 0.000 min
Response: 27119822994
Conc: 1367.07 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:32
Operator : AR\AJ
Sample : PB169287BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB169287BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.289	7.744	1879.4E6	448.0E6	592.123	530.002
	Target Compounds						
1) T	Dalapon	2.672	2.693	2466.0E6	1200.2E6	469.815	451.023
2) T	3,5-DICHL...	6.455	6.695	2617.4E6	723.2E6	554.723	534.933
3) T	4-Nitroph...	7.098	7.294	559.4E6	584.4E6	542.249	464.957
5) T	DICAMBA	7.473	7.940	7731.8E6	2931.4E6	553.597	515.850
6) T	MCPP	7.650	8.036	403.4E6	77142723	50.149	43.637
7) T	MCPA	7.799	8.283	522.1E6	133.4E6	52.413	47.542
8) T	DICHLORPROP	8.182	8.660	1764.2E6	690.9E6	556.088	517.545
9) T	2,4-D	8.418	9.002	1607.4E6	700.7E6	558.741	490.939
10) T	Pentachlo...	8.713	9.510	28461.0E6	19183.9E6	592.783	550.812
11) T	2,4,5-TP ...	9.291	9.895	10281.4E6	7022.1E6	573.618	535.381
12) T	2,4,5-T	9.588	10.324	8419.1E6	6081.5E6	574.636	513.648
13) T	2,4-DB	10.165	10.893	1028.4E6	451.7E6	535.152	468.111
14) T	DINOSEB	11.362	11.269	7226.6E6	4987.7E6	569.987	527.414
15) T	Picloram	11.193	12.393	6221.3E6	7413.8E6	476.578	422.929
16) T	DCPA	11.662	12.310	13480.4E6	11117.1E6	591.784	564.310

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

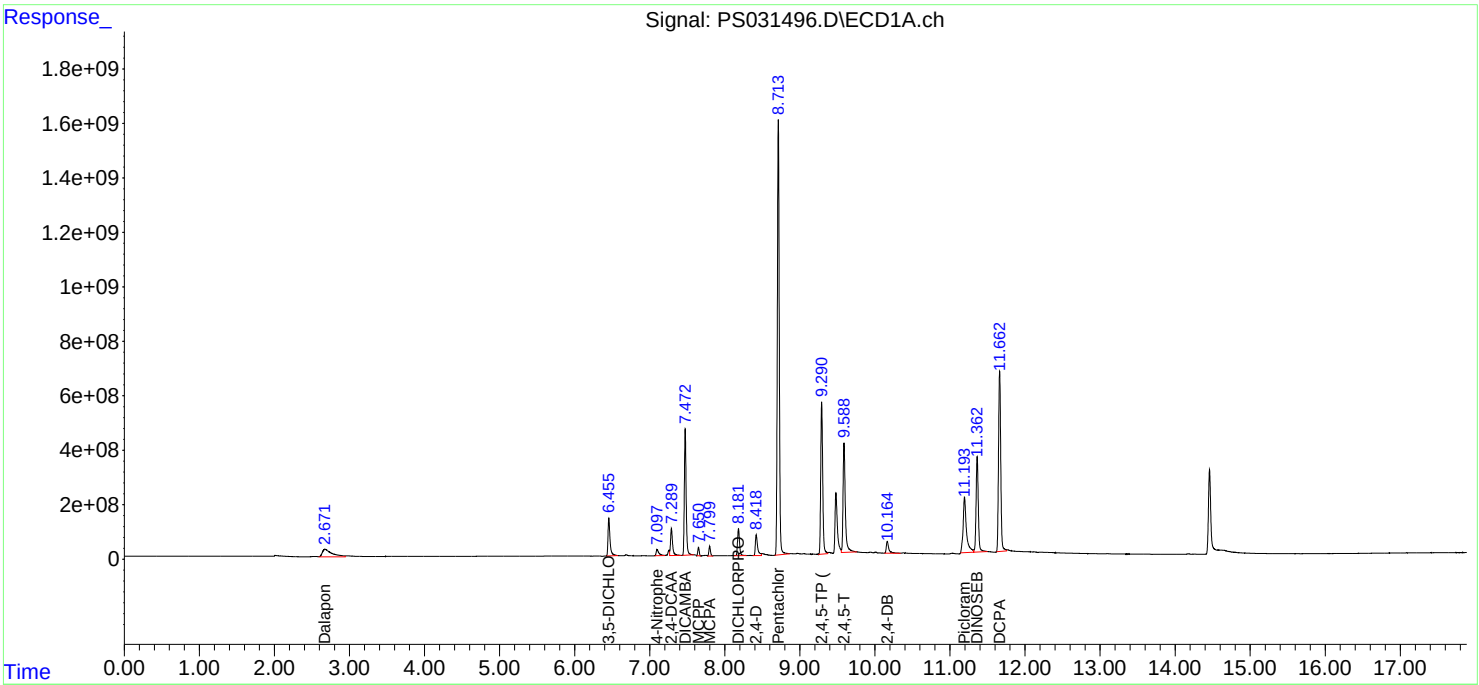
Quantitation Report (Not Reviewed)

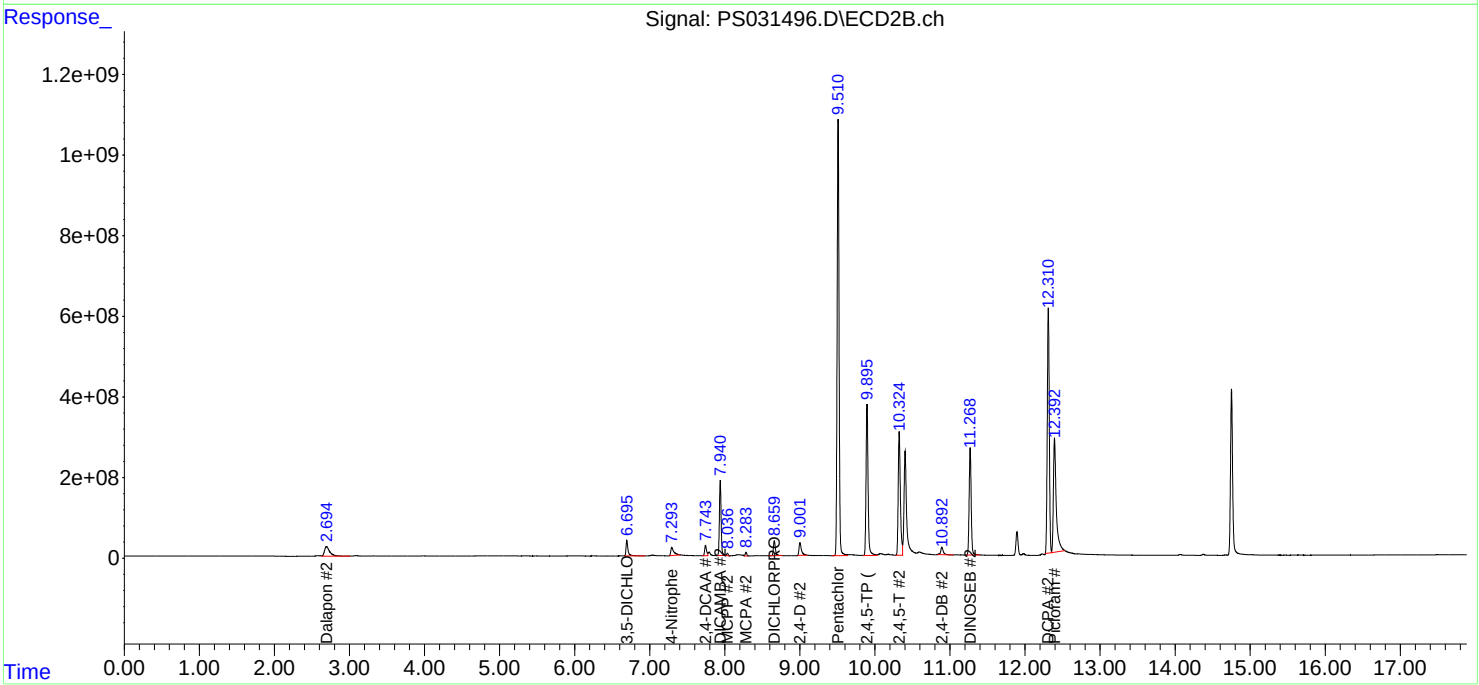
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 17:32
Operator : AR\AJ
Sample : PB169287BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

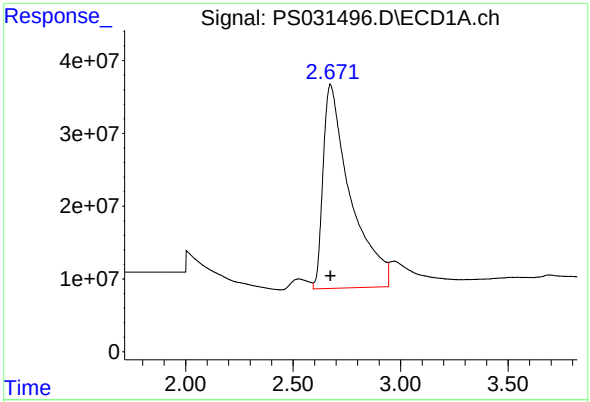
Instrument :
ECD_S
ClientSampleId :
PB169287BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



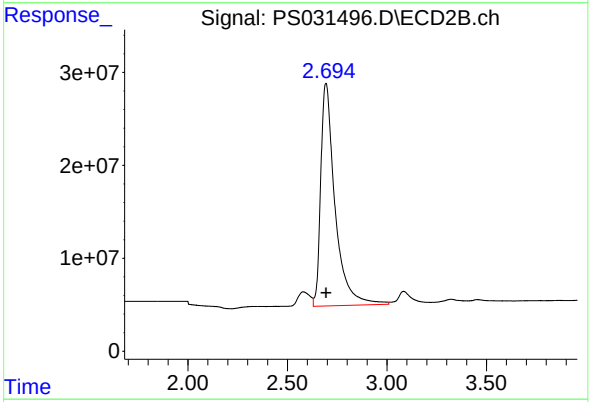




#1 Dalapon

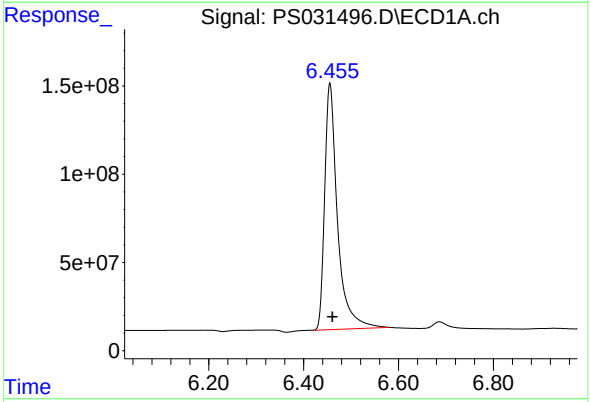
R.T.: 2.672 min
Delta R.T.: -0.002 min
Response: 2466028144
Conc: 469.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS



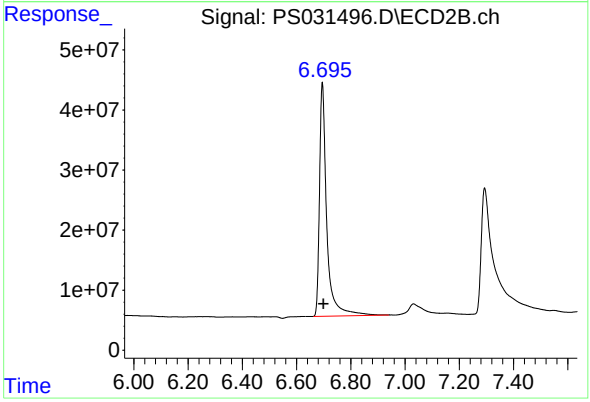
#1 Dalapon

R.T.: 2.693 min
Delta R.T.: -0.002 min
Response: 1200177924
Conc: 451.02 ng/ml



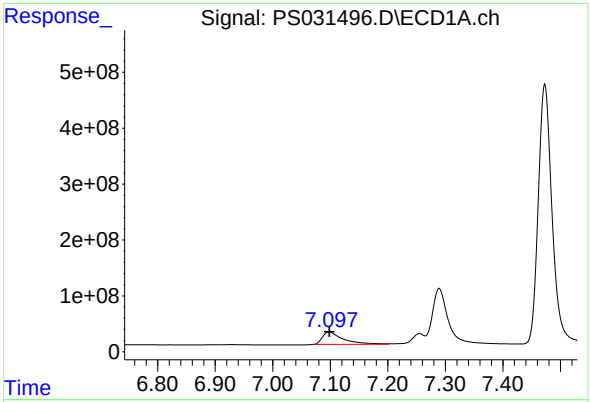
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.455 min
Delta R.T.: -0.005 min
Response: 2617358031
Conc: 554.72 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

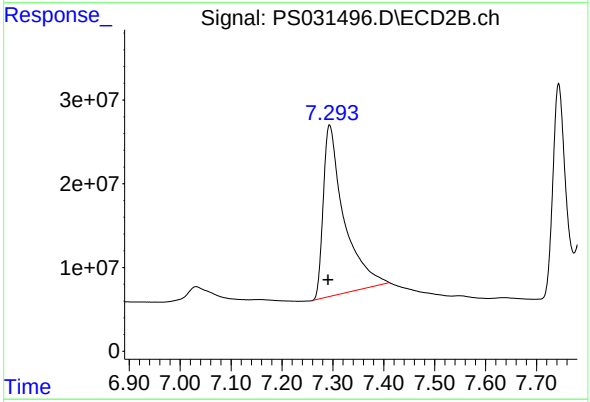
R.T.: 6.695 min
Delta R.T.: -0.004 min
Response: 723191235
Conc: 534.93 ng/ml



#3 4-Nitrophenol

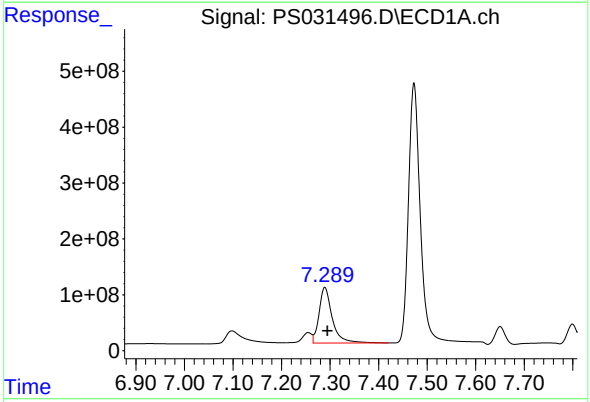
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 559427199
Conc: 542.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS



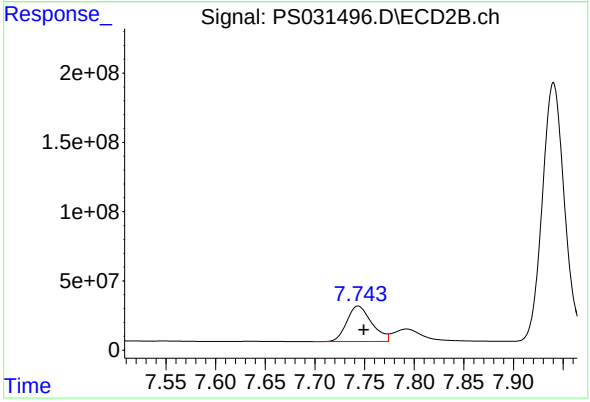
#3 4-Nitrophenol

R.T.: 7.294 min
Delta R.T.: 0.003 min
Response: 584399782
Conc: 464.96 ng/ml



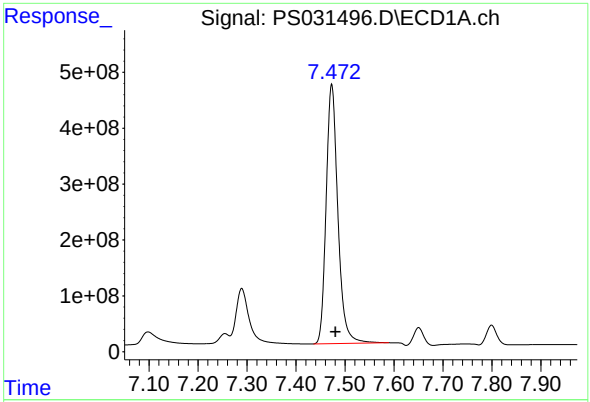
#4 2,4-DCAA

R.T.: 7.289 min
Delta R.T.: -0.006 min
Response: 1879391738
Conc: 592.12 ng/ml



#4 2,4-DCAA

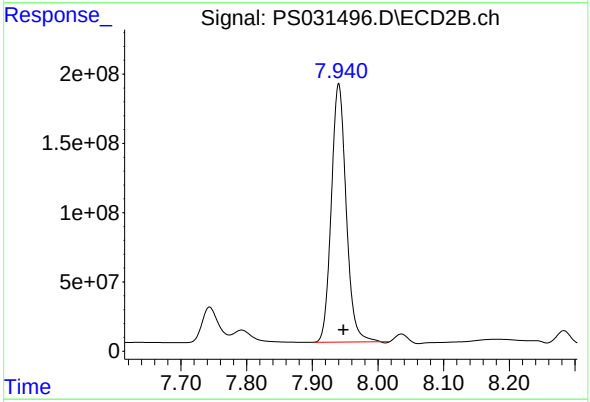
R.T.: 7.744 min
Delta R.T.: -0.006 min
Response: 448031841
Conc: 530.00 ng/ml



#5 DICAMBA

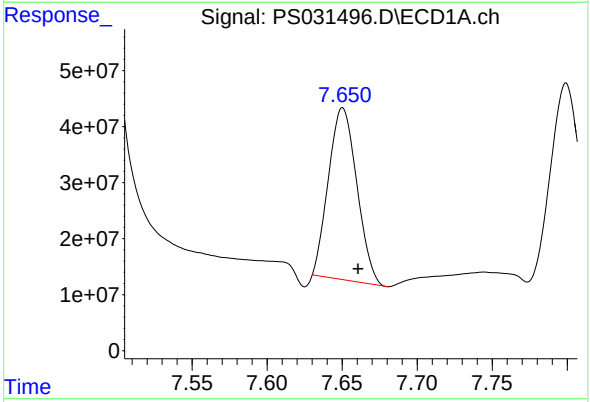
R.T.: 7.473 min
Delta R.T.: -0.008 min
Response: 7731796953
Conc: 553.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS



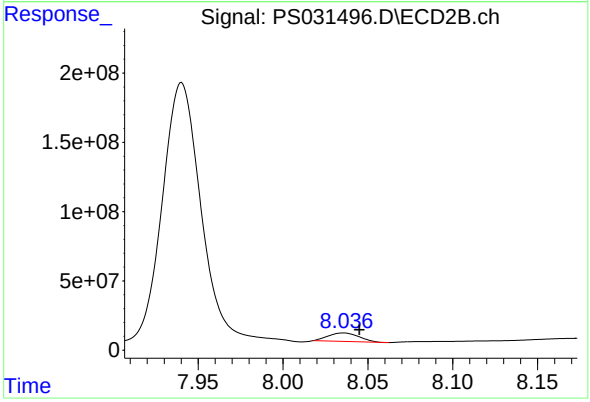
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: -0.007 min
Response: 2931416756
Conc: 515.85 ng/ml



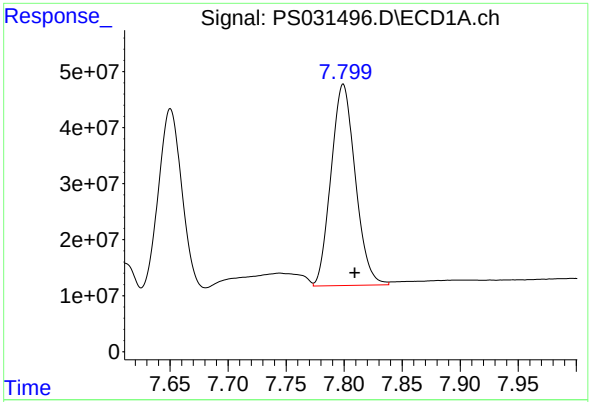
#6 MCPP

R.T.: 7.650 min
Delta R.T.: -0.010 min
Response: 403441462
Conc: 50.15 ug/ml



#6 MCPP

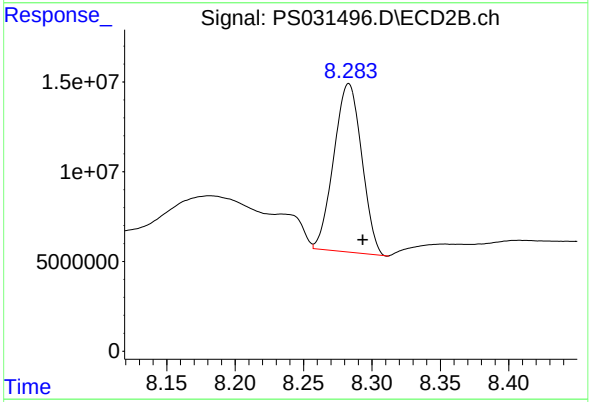
R.T.: 8.036 min
Delta R.T.: -0.009 min
Response: 77142723
Conc: 43.64 ug/ml



#7 MCPA

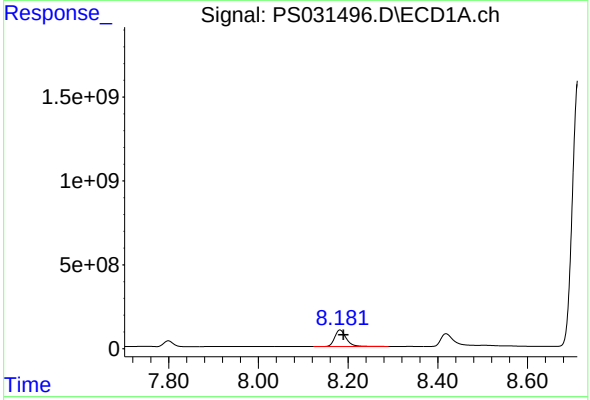
R.T.: 7.799 min
Delta R.T.: -0.010 min
Response: 522101170
Conc: 52.41 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS



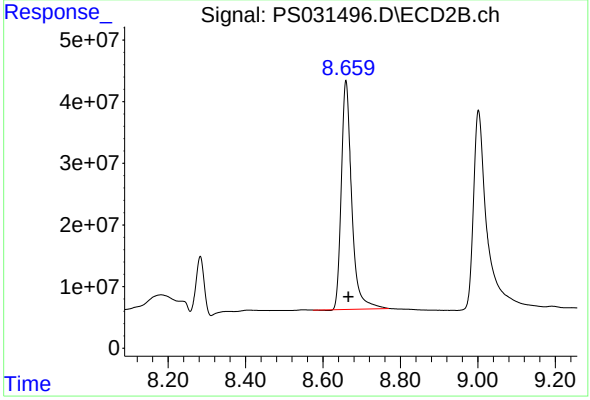
#7 MCPA

R.T.: 8.283 min
Delta R.T.: -0.010 min
Response: 133378314
Conc: 47.54 ug/ml



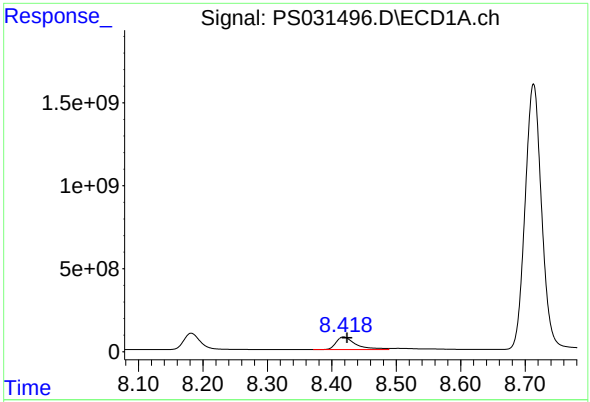
#8 DICHLORPROP

R.T.: 8.182 min
Delta R.T.: -0.008 min
Response: 1764150469
Conc: 556.09 ng/ml



#8 DICHLORPROP

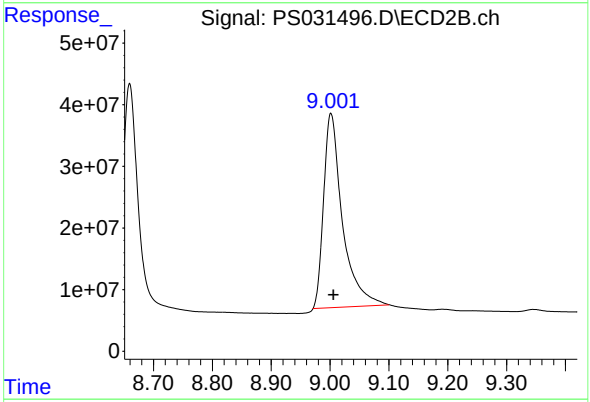
R.T.: 8.660 min
Delta R.T.: -0.006 min
Response: 690939306
Conc: 517.54 ng/ml



#9 2,4-D

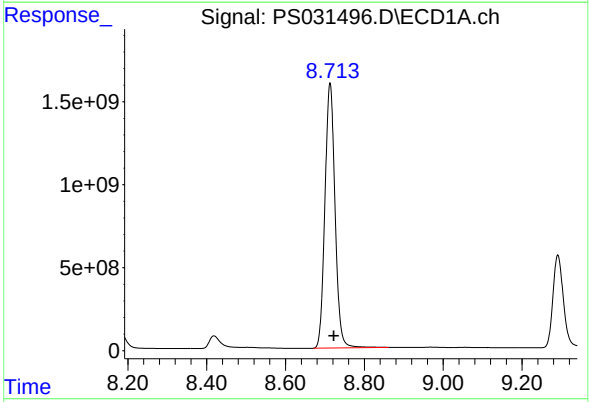
R.T.: 8.418 min
Delta R.T.: -0.005 min
Response: 1607394007
Conc: 558.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS



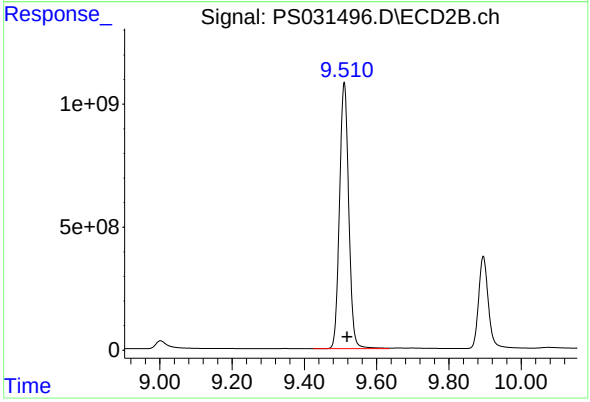
#9 2,4-D

R.T.: 9.002 min
Delta R.T.: -0.004 min
Response: 700710304
Conc: 490.94 ng/ml



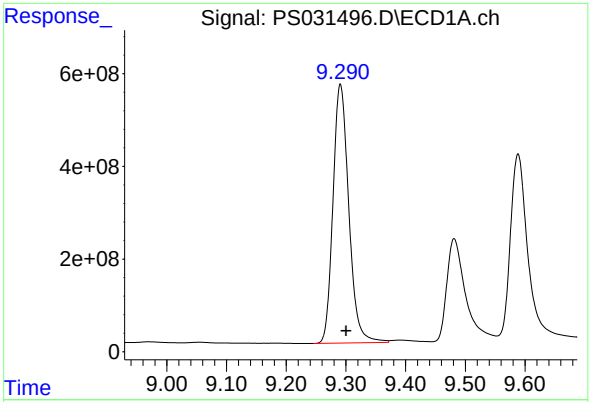
#10 Pentachlorophenol

R.T.: 8.713 min
Delta R.T.: -0.009 min
Response: 28460966855
Conc: 592.78 ng/ml



#10 Pentachlorophenol

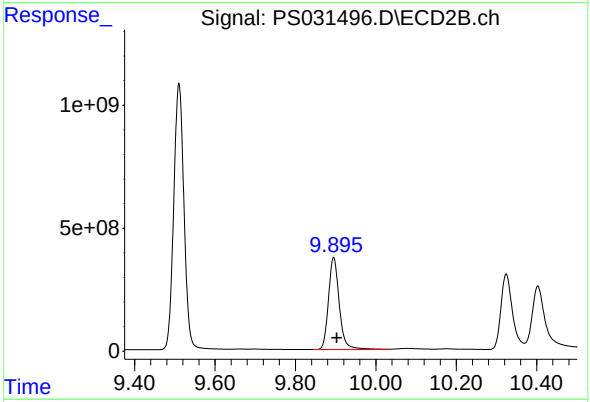
R.T.: 9.510 min
Delta R.T.: -0.008 min
Response: 19183911564
Conc: 550.81 ng/ml



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

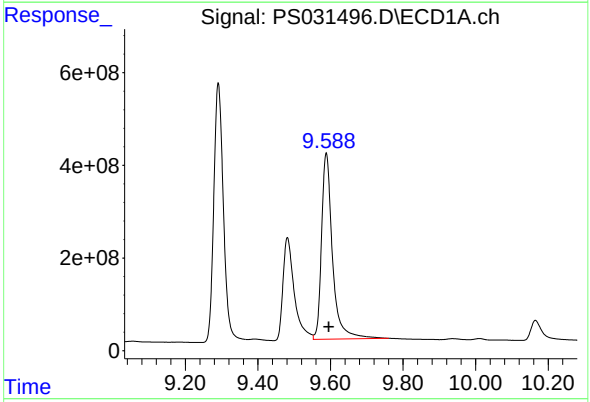
R.T.: 9.291 min
Delta R.T.: -0.009 min
Response: 10281370172
Conc: 573.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS



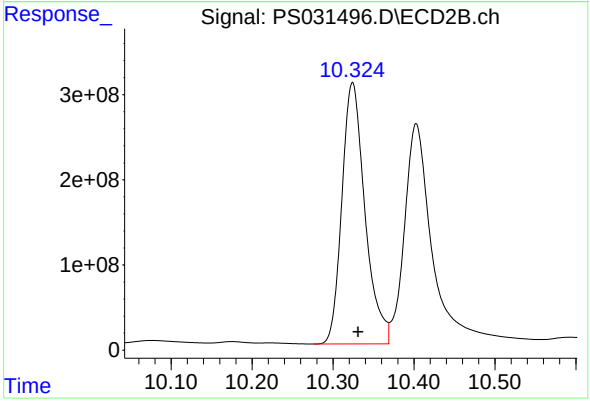
#11 2,4,5-TP (SILVEX)

R.T.: 9.895 min
Delta R.T.: -0.008 min
Response: 7022066343
Conc: 535.38 ng/ml



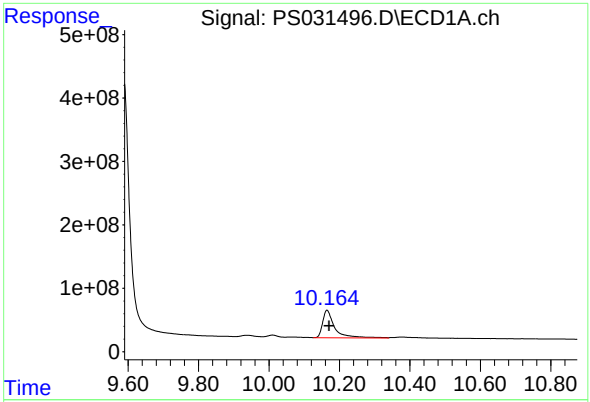
#12 2,4,5-T

R.T.: 9.588 min
Delta R.T.: -0.007 min
Response: 8419120045
Conc: 574.64 ng/ml



#12 2,4,5-T

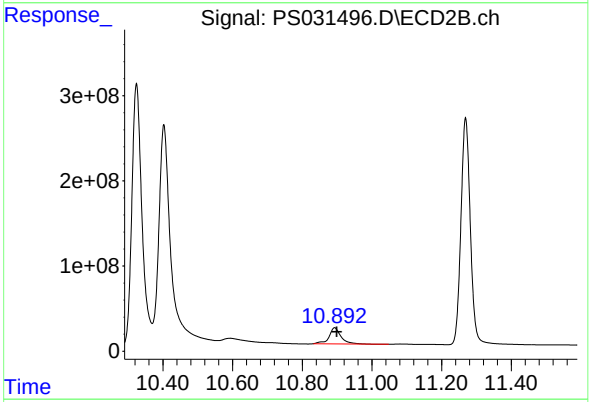
R.T.: 10.324 min
Delta R.T.: -0.007 min
Response: 6081470827
Conc: 513.65 ng/ml



#13 2,4-DB

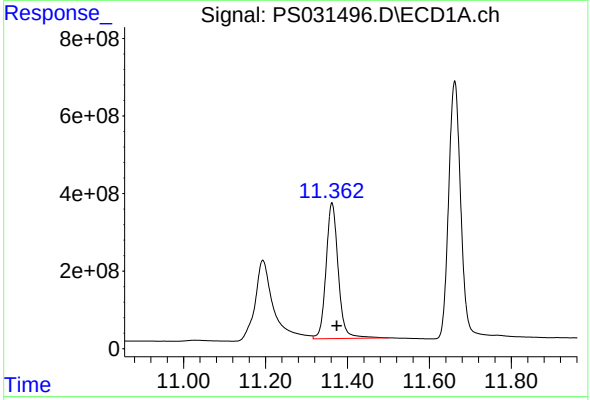
R.T.: 10.165 min
Delta R.T.: -0.005 min
Response: 1028411841
Conc: 535.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS



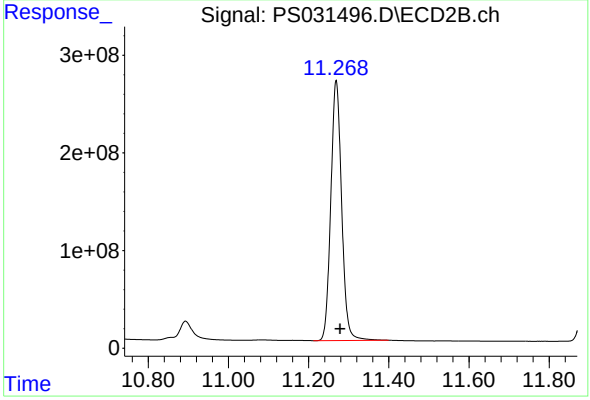
#13 2,4-DB

R.T.: 10.893 min
Delta R.T.: -0.006 min
Response: 451655498
Conc: 468.11 ng/ml



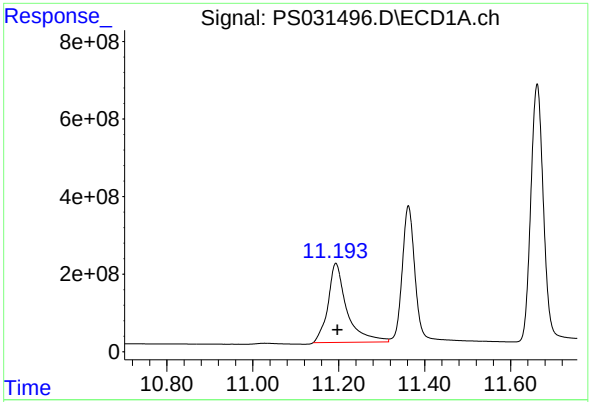
#14 DINOSEB

R.T.: 11.362 min
Delta R.T.: -0.011 min
Response: 7226562907
Conc: 569.99 ng/ml



#14 DINOSEB

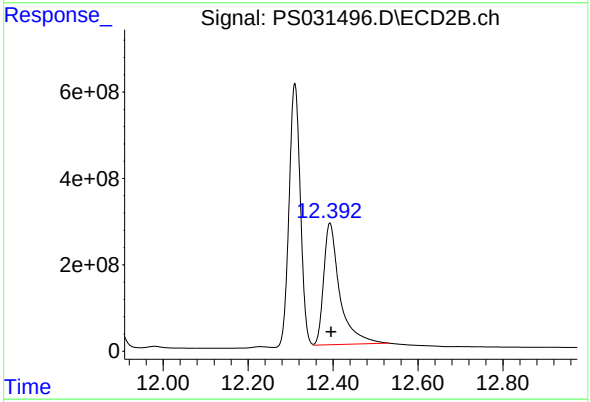
R.T.: 11.269 min
Delta R.T.: -0.010 min
Response: 4987726840
Conc: 527.41 ng/ml



#15 Picloram

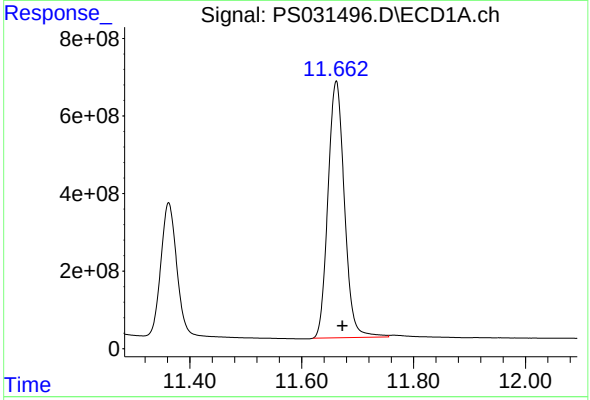
R.T.: 11.193 min
Delta R.T.: -0.004 min
Response: 6221320110
Conc: 476.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB169287BS



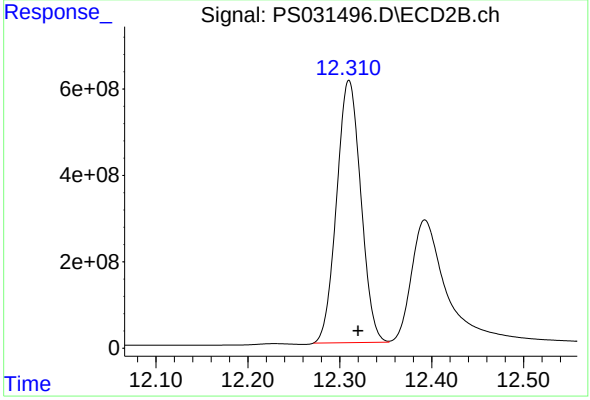
#15 Picloram

R.T.: 12.393 min
Delta R.T.: -0.003 min
Response: 7413828531
Conc: 422.93 ng/ml



#16 DCPA

R.T.: 11.662 min
Delta R.T.: -0.011 min
Response: 13480435428
Conc: 591.78 ng/ml



#16 DCPA

R.T.: 12.310 min
Delta R.T.: -0.010 min
Response: 11117134796
Conc: 564.31 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 18:20
Operator : AR\AJ
Sample : Q2879-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
4) S	2,4-DCAA	7.287	7.745	299.0E6	149.5E6	94.213	176.827	#
	Target Compounds							
1) T	Dalapon	2.643f	2.665f	1256.8E6	284.6E6	239.432	106.951	#
3) T	4-Nitroph...	0.000	7.302	0	51913436	N.D.	41.303	
5) T	DICAMBA	7.487	7.955	6615853	21221908	<MDL	3.734	#
6) T	MCPP	7.664	8.052	32797506	115.5E6	4.077	65.359	#
7) T	MCPA	7.819	8.258f	91268947	163.2E6	9.162	58.170	#
8) T	DICHLORPROP	8.225f	8.676	159.1E6	10256936	50.137	7.683	#
9) T	2,4-D	8.398f	8.957f	27326278	5488427	9.499	3.845	#
10) T	Pentachlo...	8.711	9.508	56216938	55036765	1.171	1.580	#
11) T	2,4,5-TP ...	9.333f	9.877f	14539630	273.0E6	<MDL	20.813	#
12) T	2,4,5-T	9.570f	10.325	114.5E6	705.4E6	7.815	59.581	#
13) T	2,4-DB	10.141f	10.867f	34331674	53896050	17.865	55.860	#
14) T	DINOSEB	11.382	11.281	49394163	495.8E6	3.896	52.427	#
15) T	Picloram	11.209	12.390	44624310	-10563253	3.418	N.D.	#
16) T	DCPA	11.656	0.000	28159709	0	1.236	N.D.	#

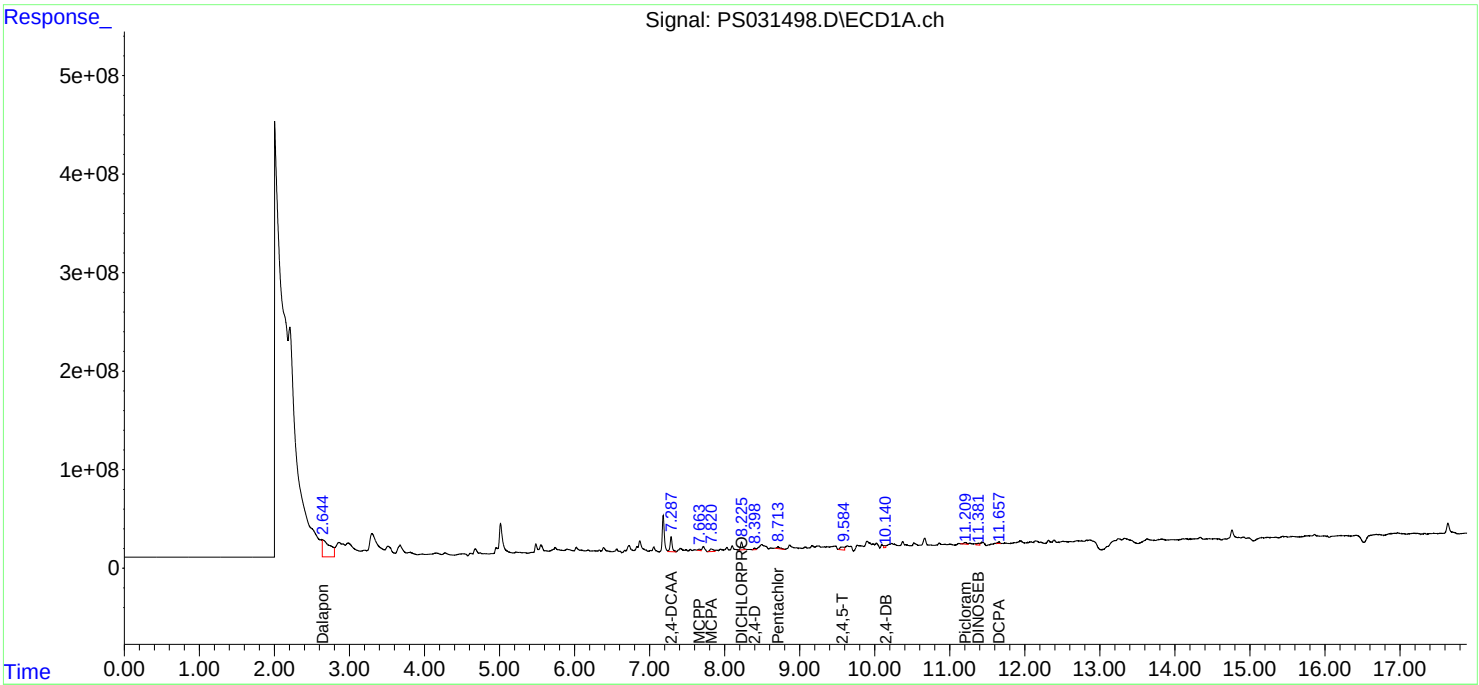
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

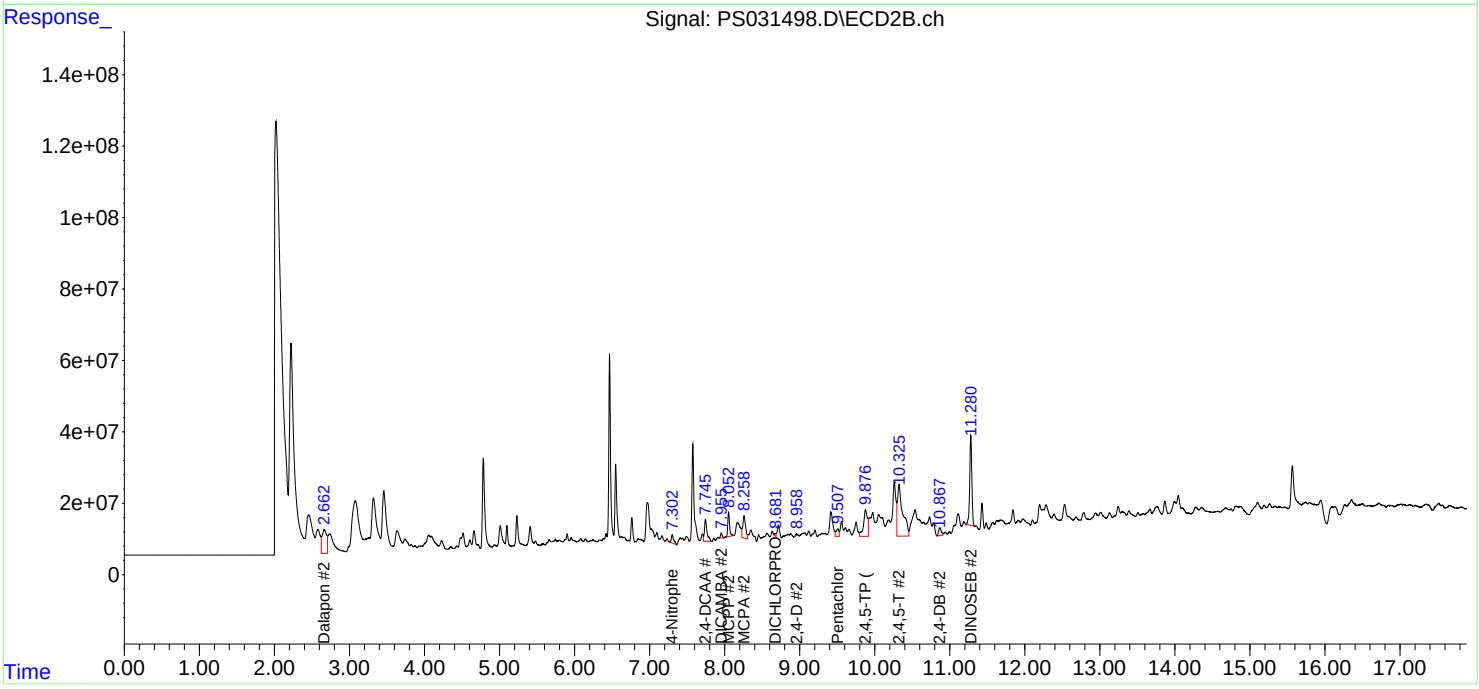
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 18:20
Operator : AR\AJ
Sample : Q2879-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

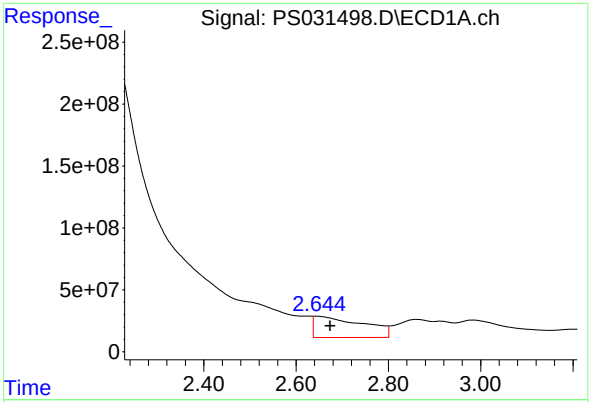
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:23:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



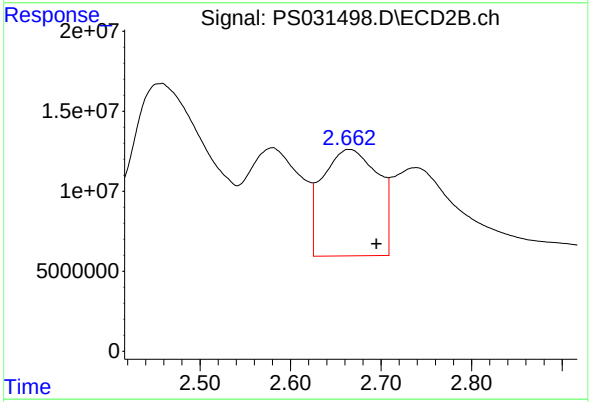




#1 Dalapon

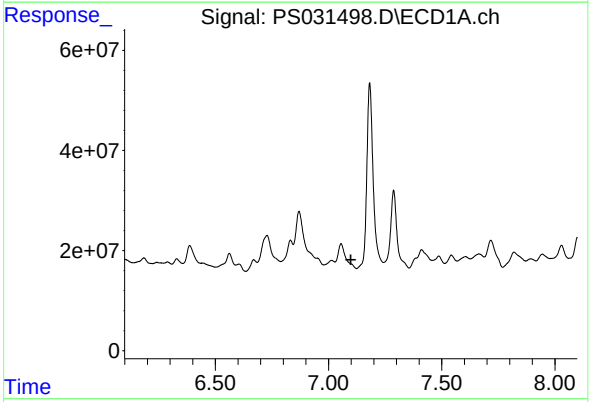
R.T.: 2.643 min
Delta R.T.: -0.031 min
Response: 1256764428
Conc: 239.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



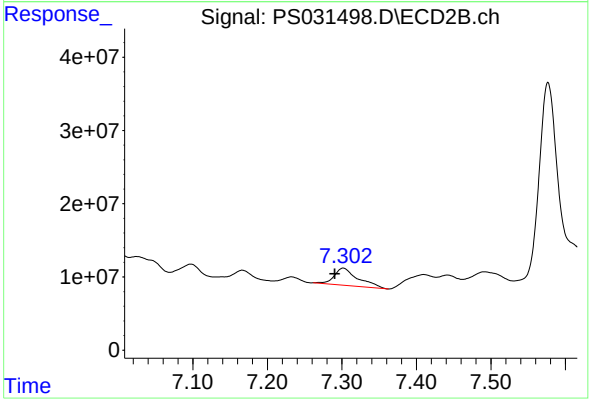
#1 Dalapon

R.T.: 2.665 min
Delta R.T.: -0.030 min
Response: 284596534
Conc: 106.95 ng/ml



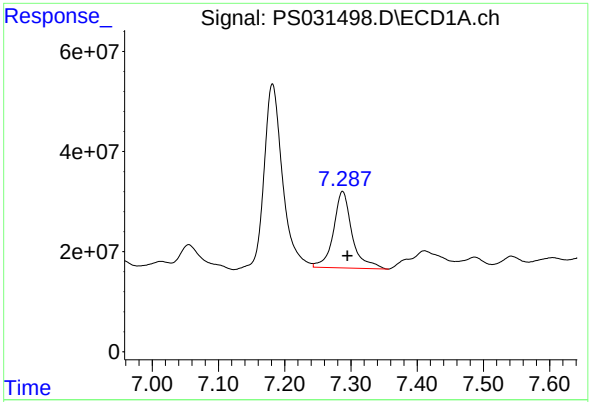
#3 4-Nitrophenol

R.T.: 0.000 min
Exp R.T. : 7.098 min
Response: 0
Conc: N.D.



#3 4-Nitrophenol

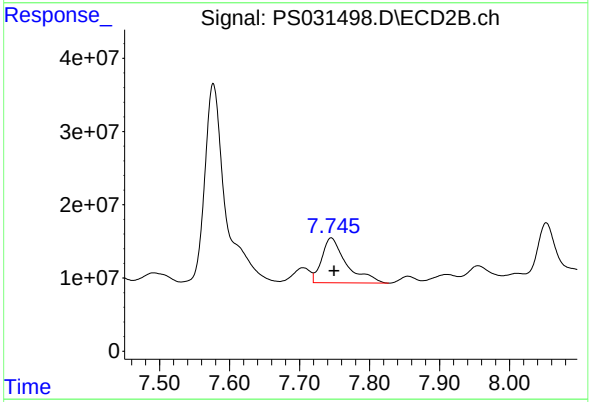
R.T.: 7.302 min
Delta R.T.: 0.011 min
Response: 51913436
Conc: 41.30 ng/ml



#4 2,4-DCAA

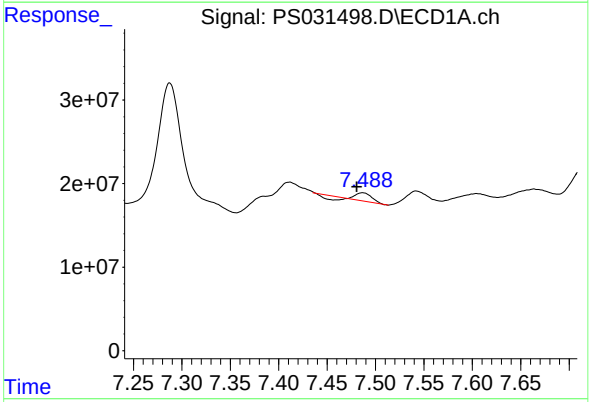
R.T.: 7.287 min
Delta R.T.: -0.007 min
Response: 299032220
Conc: 94.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



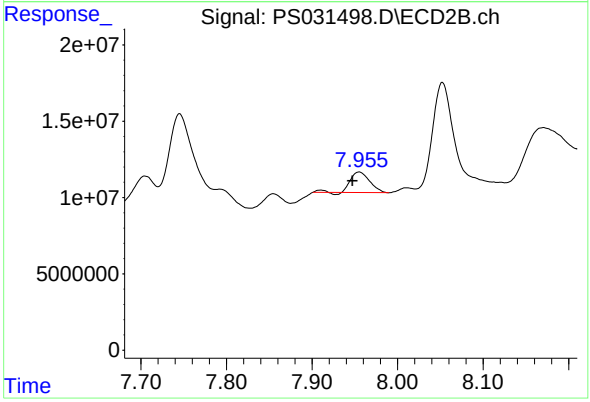
#4 2,4-DCAA

R.T.: 7.745 min
Delta R.T.: -0.004 min
Response: 149478899
Conc: 176.83 ng/ml



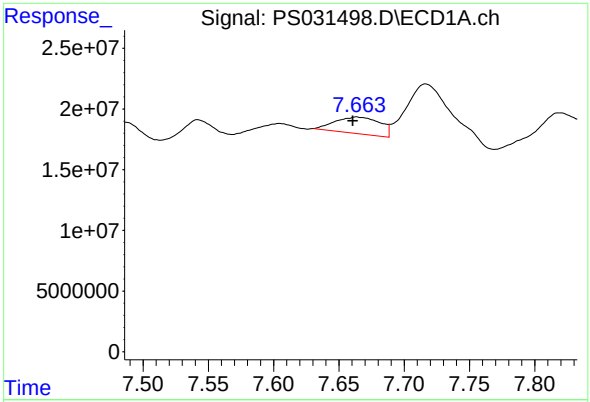
#5 DICAMBA

R.T.: 7.487 min
Delta R.T.: 0.006 min
Response: 6615853
Conc: N.D.



#5 DICAMBA

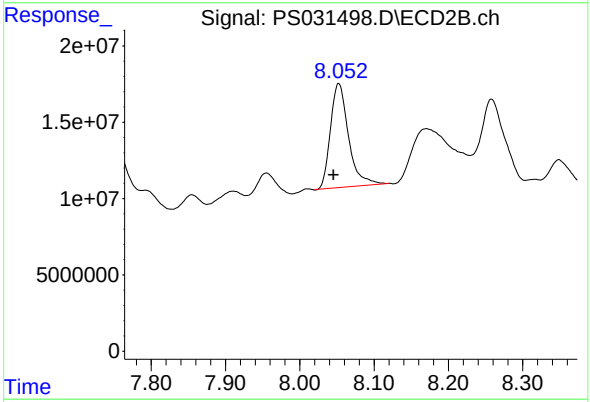
R.T.: 7.955 min
Delta R.T.: 0.008 min
Response: 21221908
Conc: 3.73 ng/ml



#6 MCPP

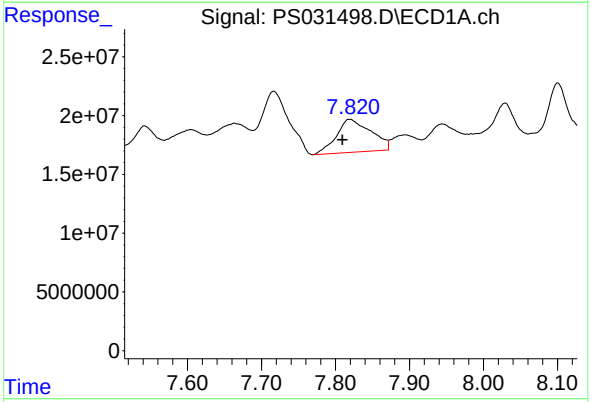
R.T.: 7.664 min
Delta R.T.: 0.003 min
Response: 32797506
Conc: 4.08 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



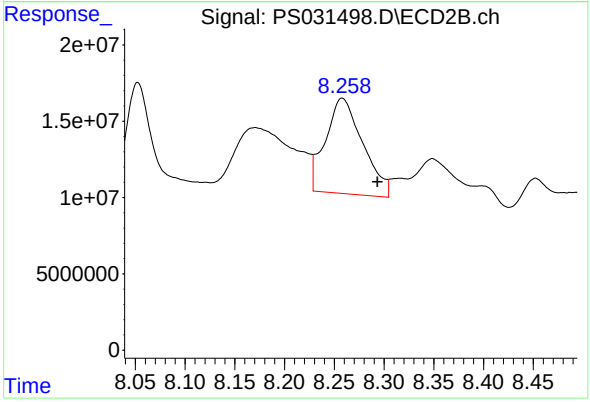
#6 MCPP

R.T.: 8.052 min
Delta R.T.: 0.007 min
Response: 115543639
Conc: 65.36 ug/ml



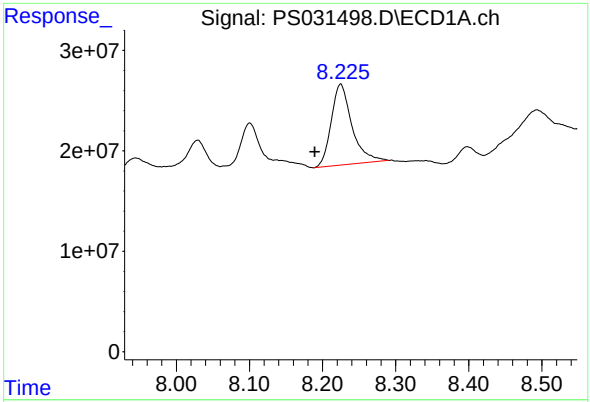
#7 MCPA

R.T.: 7.819 min
Delta R.T.: 0.010 min
Response: 91268947
Conc: 9.16 ug/ml



#7 MCPA

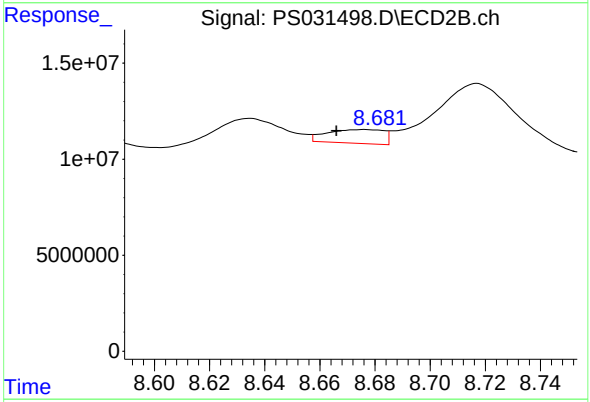
R.T.: 8.258 min
Delta R.T.: -0.035 min
Response: 163195676
Conc: 58.17 ug/ml



#8 DICHLORPROP

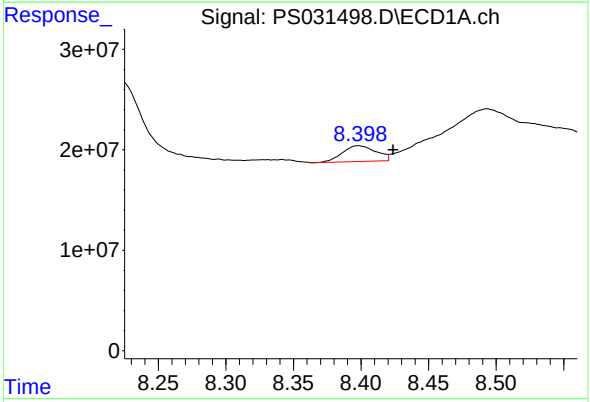
R.T.: 8.225 min
Delta R.T.: 0.035 min
Response: 159056649
Conc: 50.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



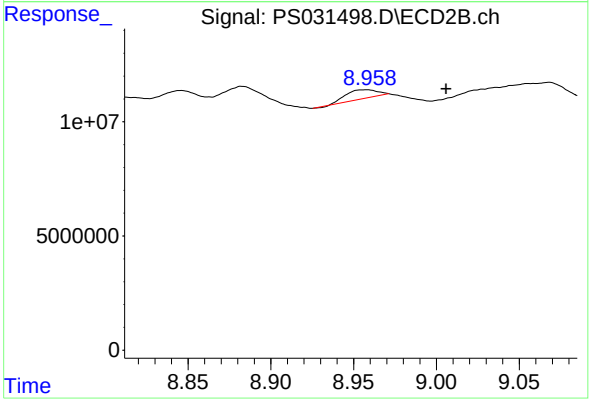
#8 DICHLORPROP

R.T.: 8.676 min
Delta R.T.: 0.010 min
Response: 10256936
Conc: 7.68 ng/ml



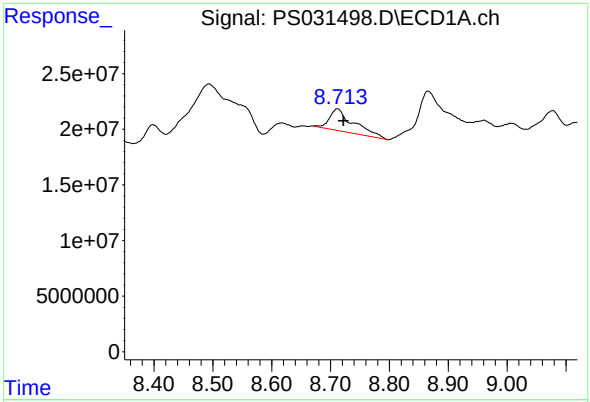
#9 2,4-D

R.T.: 8.398 min
Delta R.T.: -0.026 min
Response: 27326278
Conc: 9.50 ng/ml



#9 2,4-D

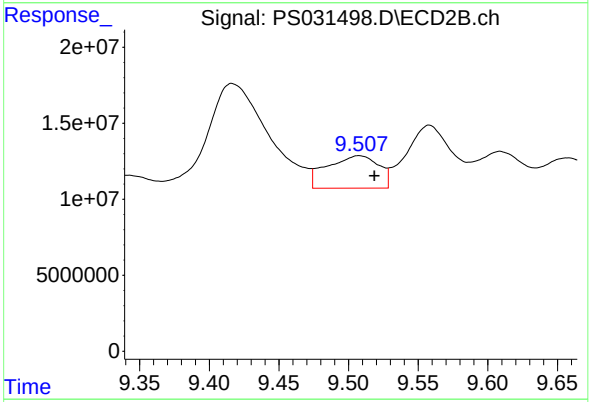
R.T.: 8.957 min
Delta R.T.: -0.049 min
Response: 5488427
Conc: 3.85 ng/ml



#10 Pentachlorophenol

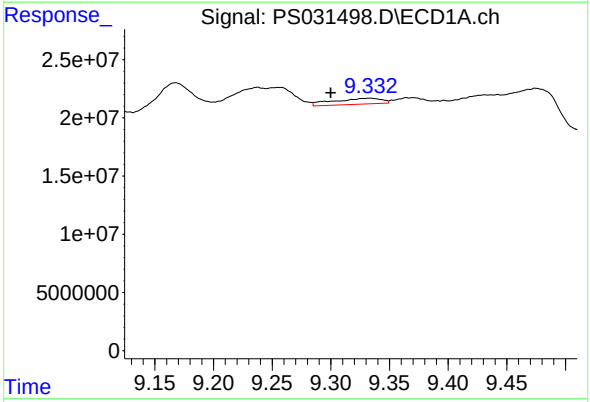
R.T.: 8.711 min
Delta R.T.: -0.011 min
Response: 56216938
Conc: 1.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



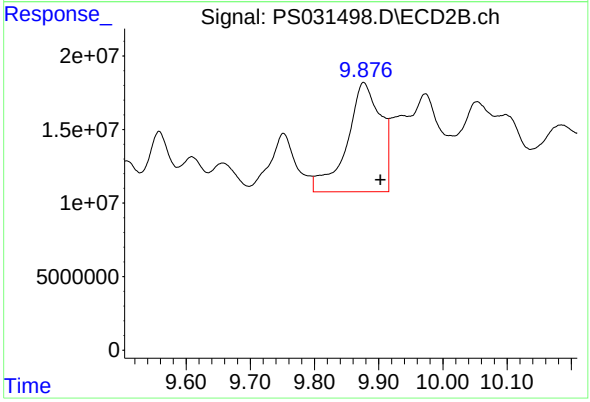
#10 Pentachlorophenol

R.T.: 9.508 min
Delta R.T.: -0.011 min
Response: 55036765
Conc: 1.58 ng/ml



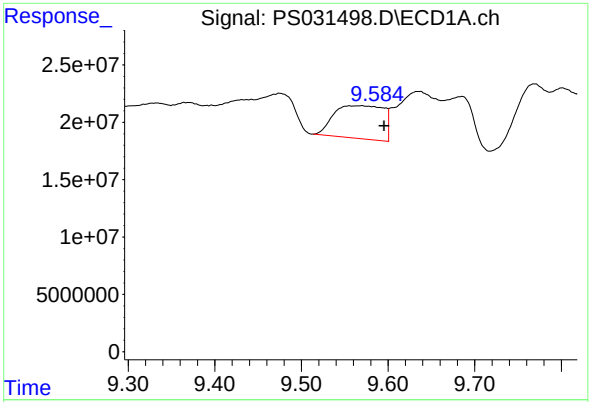
#11 2,4,5-TP (SILVEX)

R.T.: 9.333 min
Delta R.T.: 0.033 min
Response: 14539630
Conc: N.D.



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

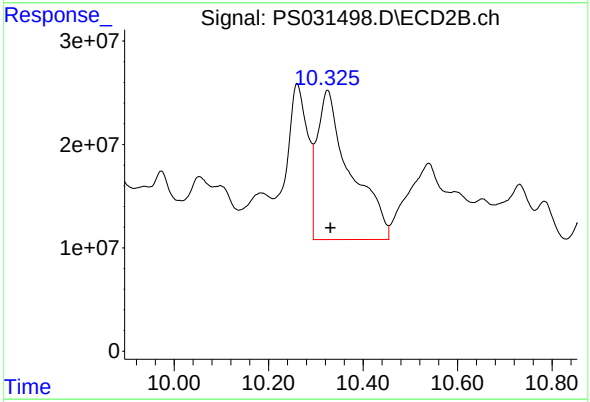
R.T.: 9.877 min
Delta R.T.: -0.026 min
Response: 272977828
Conc: 20.81 ng/ml



#12 2,4,5-T

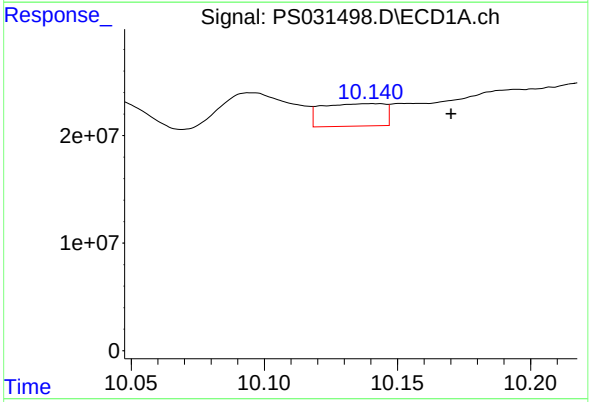
R.T.: 9.570 min
Delta R.T.: -0.026 min
Response: 114504157
Conc: 7.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



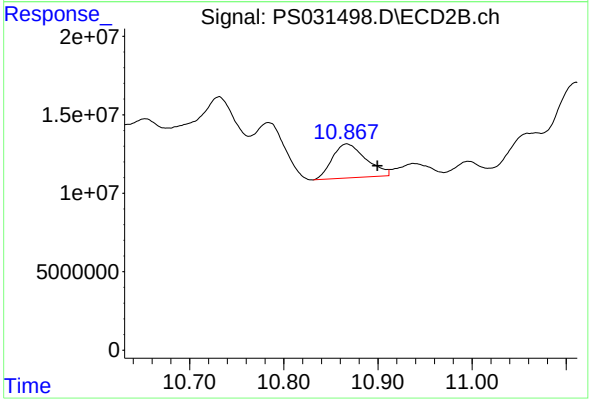
#12 2,4,5-T

R.T.: 10.325 min
Delta R.T.: -0.006 min
Response: 705422269
Conc: 59.58 ng/ml



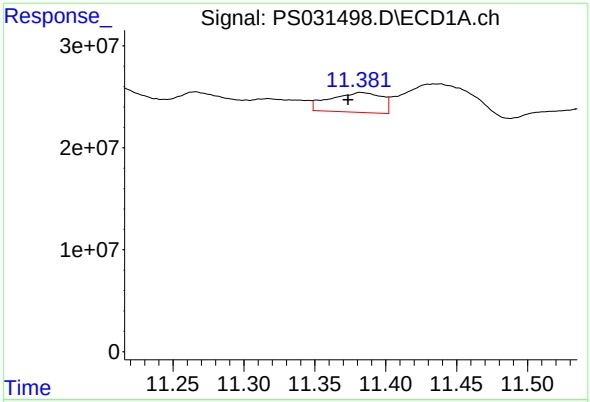
#13 2,4-DB

R.T.: 10.141 min
Delta R.T.: -0.029 min
Response: 34331674
Conc: 17.87 ng/ml



#13 2,4-DB

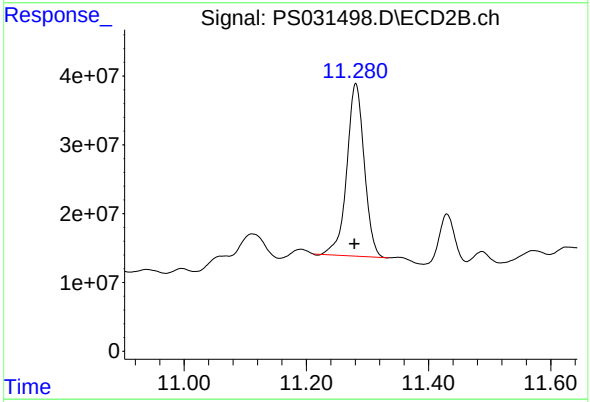
R.T.: 10.867 min
Delta R.T.: -0.032 min
Response: 53896050
Conc: 55.86 ng/ml



#14 DINOSEB

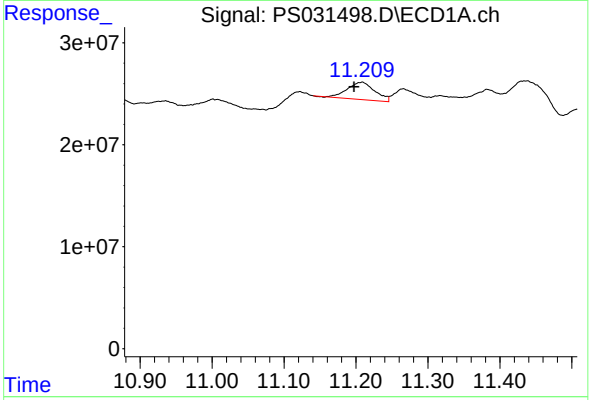
R.T.: 11.382 min
Delta R.T.: 0.009 min
Response: 49394163
Conc: 3.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



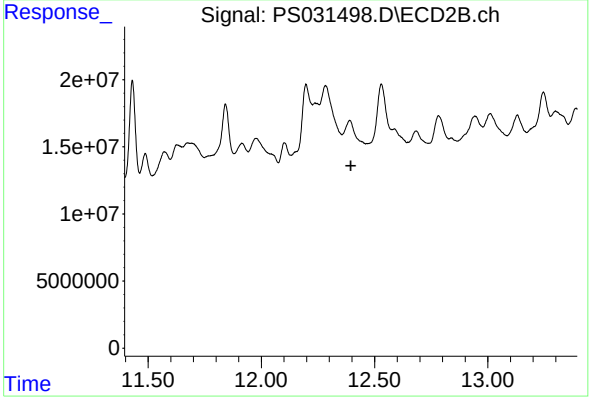
#14 DINOSEB

R.T.: 11.281 min
Delta R.T.: 0.003 min
Response: 495797087
Conc: 52.43 ng/ml



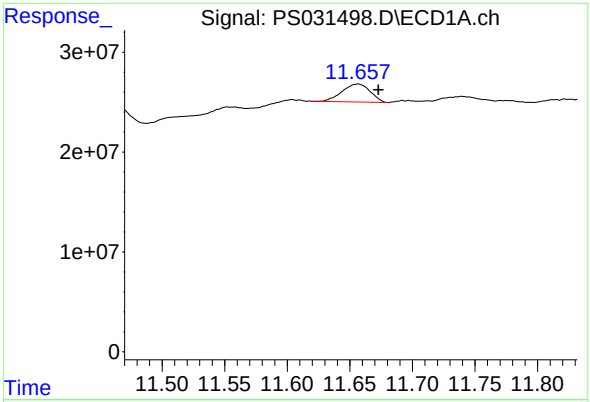
#15 Picloram

R.T.: 11.209 min
Delta R.T.: 0.012 min
Response: 44624310
Conc: 3.42 ng/ml



#15 Picloram

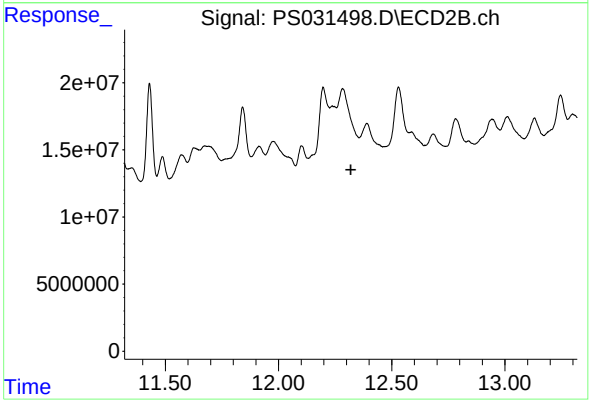
R.T.: 12.390 min
Delta R.T.: -0.005 min
Response: -10563253
Conc: N.D.



#16 DCPA

R.T.: 11.656 min
Delta R.T.: -0.016 min
Response: 28159709
Conc: 1.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



#16 DCPA

R.T.: 0.000 min
Exp R.T. : 12.320 min
Response: 0
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031503.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 20:21
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 20 06:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.287	7.742	2403.8E6	600.9E6	757.342	710.848
	Target Compounds						
1) T	Dalapon	2.674	2.694	3258.2E6	1619.7E6	620.728	608.669
2) T	3,5-DICHL...	6.454	6.694	3331.3E6	911.5E6	706.037	674.243
3) T	4-Nitroph...	7.092	7.286	682.8E6	784.6E6	661.790	624.206
5) T	DICAMBA	7.473	7.940	9922.7E6	3864.2E6	710.464	680.000
6) T	MCPP	7.652	8.037	557.4E6	107.7E6	69.283	60.895
7) T	MCPA	7.801	8.286	712.5E6	179.8E6	71.526	64.084
8) T	DICHLORPROP	8.180	8.659	2242.6E6	894.7E6	706.908	670.207
9) T	2,4-D	8.414	8.998	2181.4E6	895.3E6	758.257	627.279
10) T	Pentachlo...	8.712	9.511	36603.5E6	24952.0E6	762.376	716.426
11) T	2,4,5-TP ...	9.290	9.895	13462.1E6	9140.7E6	751.075	696.913
12) T	2,4,5-T	9.585	10.323	11411.9E6	8347.4E6	778.902	705.031
13) T	2,4-DB	10.160	10.890	1640.0E6	637.1E6	853.388	660.278
14) T	DINOSEB	11.362	11.269	9498.8E6	6527.7E6	749.206	690.254
15) T	Picloram	11.185	12.386	10921.4E6	13017.3E6	836.620	742.584
16) T	DCPA	11.661	12.311	17473.3E6	14381.5E6	767.069	730.013

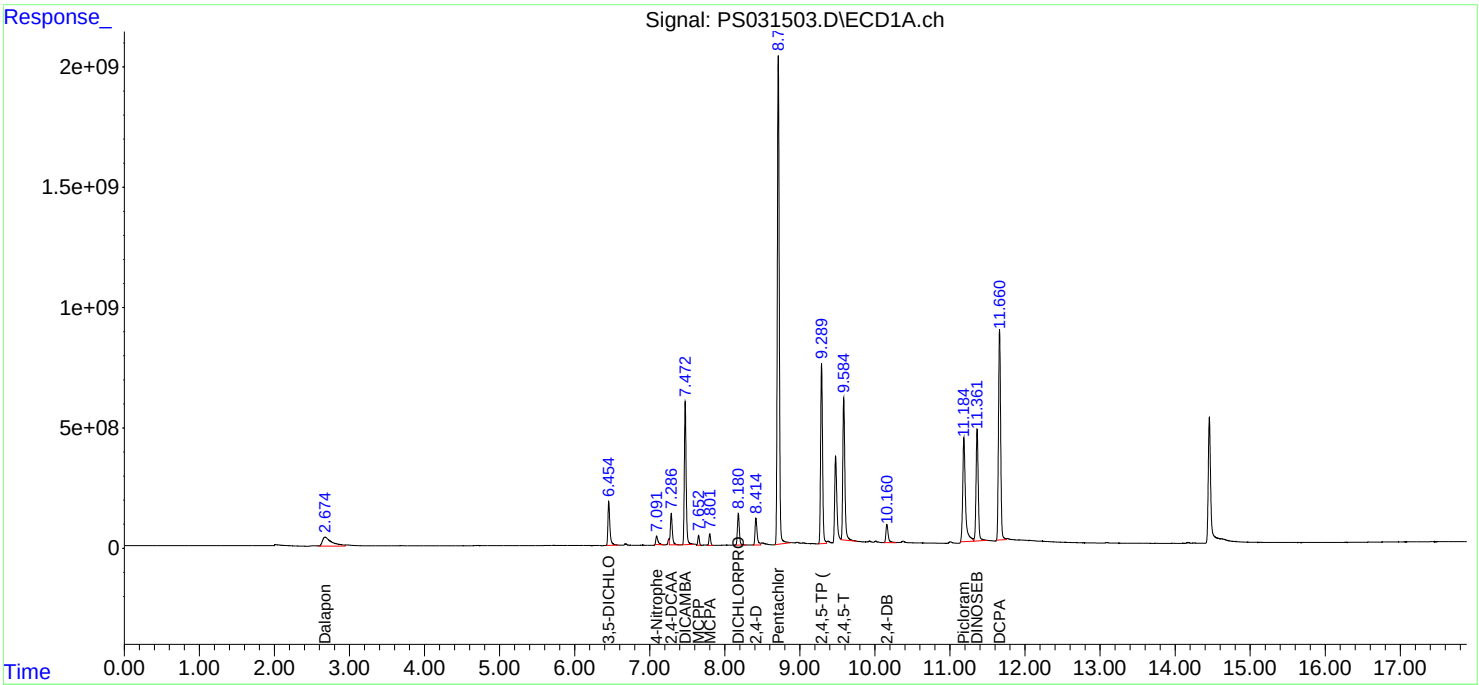
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

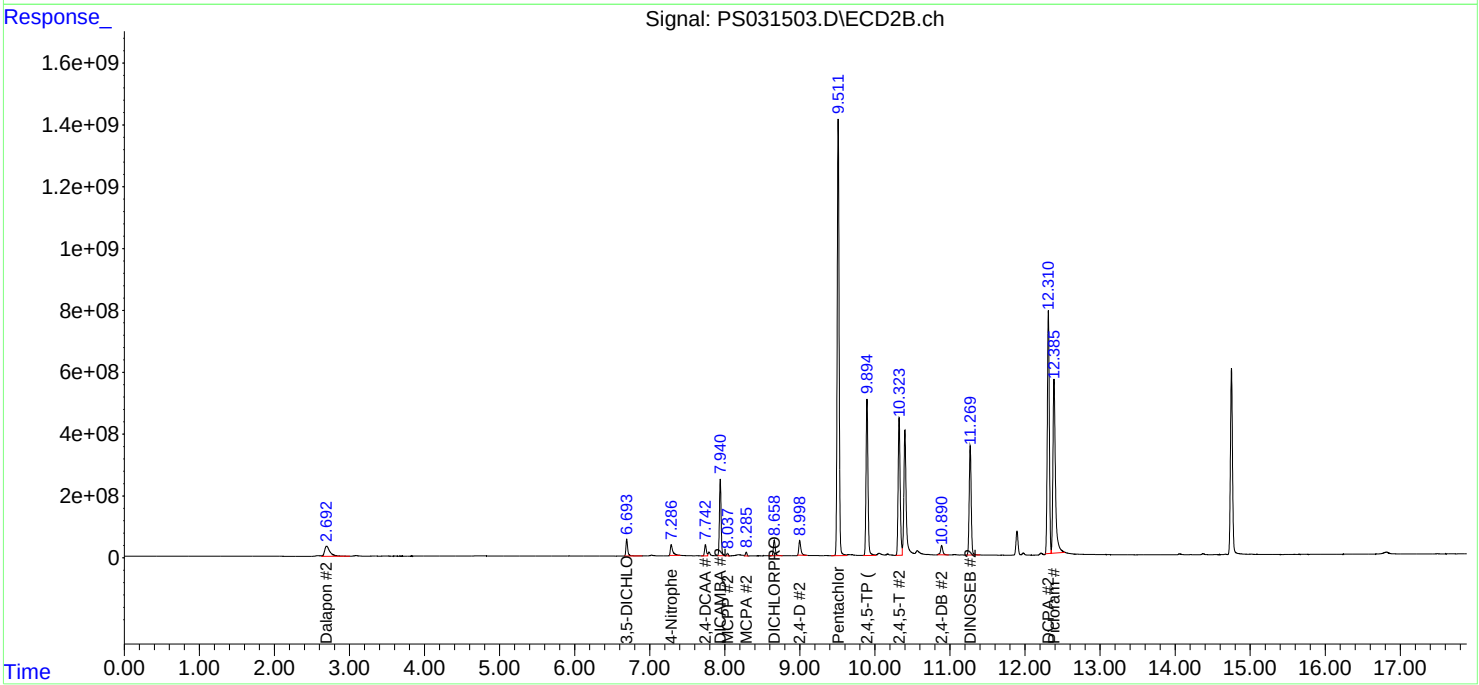
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031503.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 20:21
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

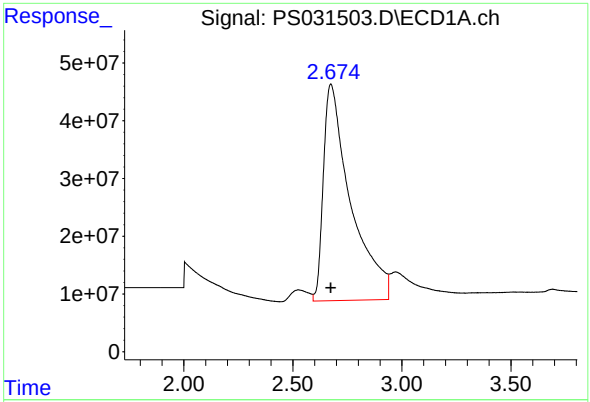
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



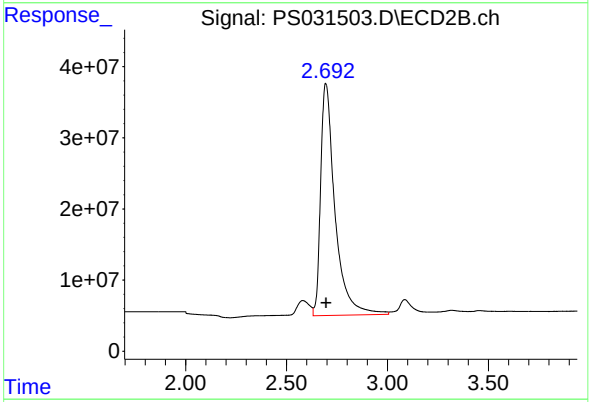




#1 Dalapon

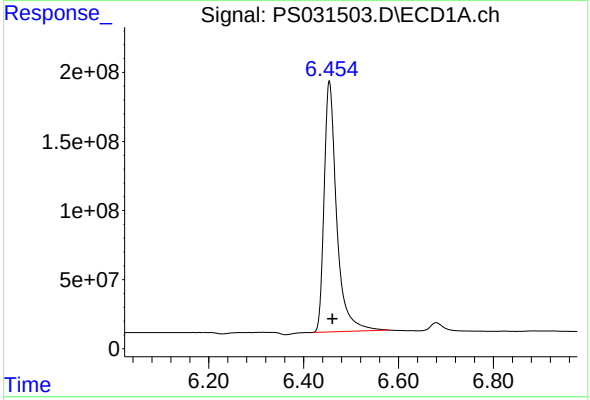
R.T.: 2.674 min
Delta R.T.: 0.000 min
Response: 3258160006
Conc: 620.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



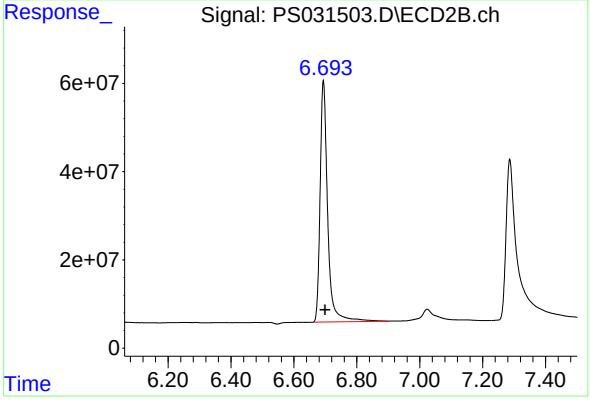
#1 Dalapon

R.T.: 2.694 min
Delta R.T.: 0.000 min
Response: 1619674975
Conc: 608.67 ng/ml



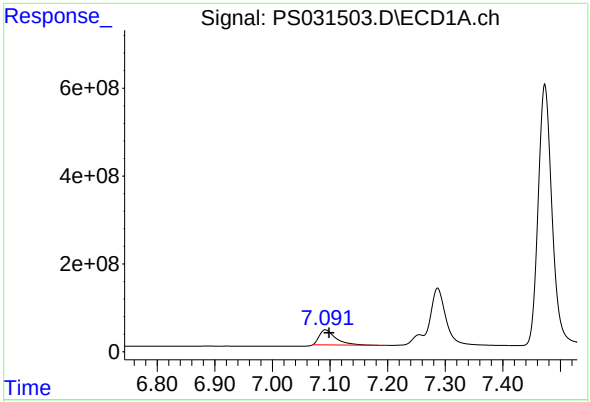
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.454 min
Delta R.T.: -0.006 min
Response: 3331304126
Conc: 706.04 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

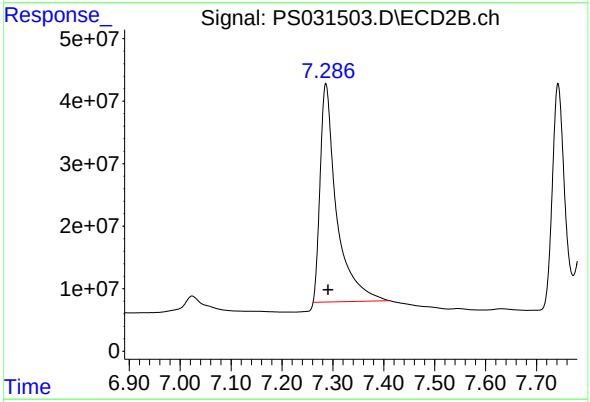
R.T.: 6.694 min
Delta R.T.: -0.005 min
Response: 911528719
Conc: 674.24 ng/ml



#3 4-Nitrophenol

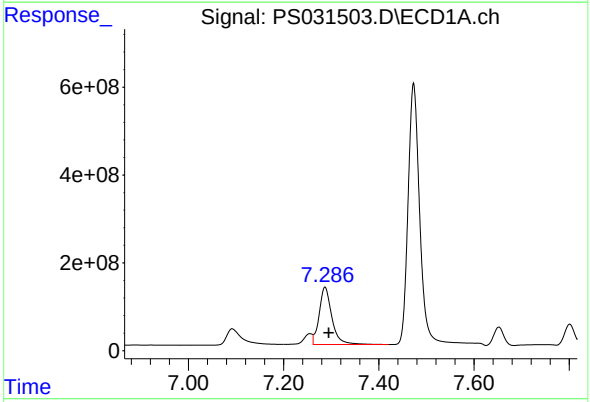
R.T.: 7.092 min
Delta R.T.: -0.007 min
Response: 682755594
Conc: 661.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



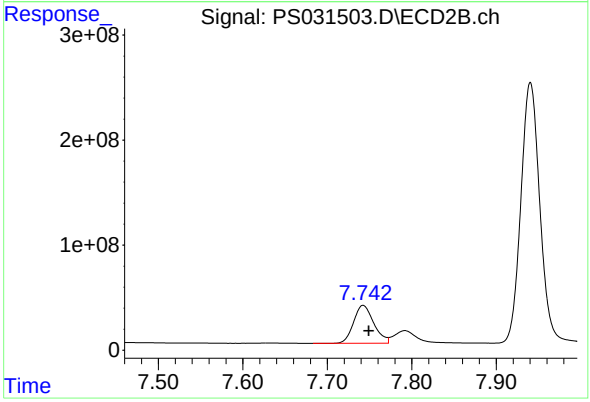
#3 4-Nitrophenol

R.T.: 7.286 min
Delta R.T.: -0.004 min
Response: 784558368
Conc: 624.21 ng/ml



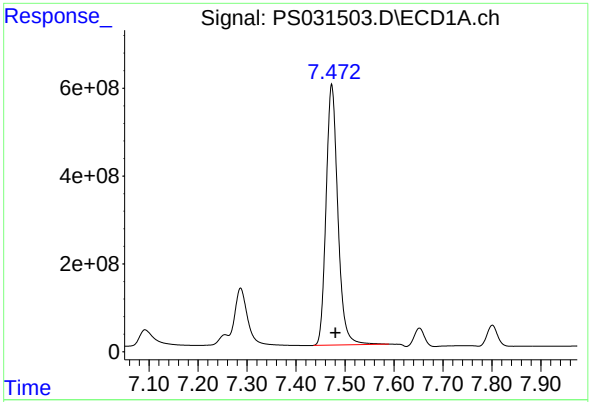
#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: -0.008 min
Response: 2403795223
Conc: 757.34 ng/ml



#4 2,4-DCAA

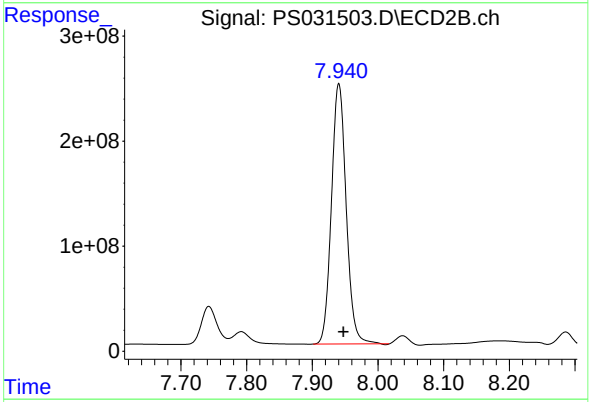
R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 600908283
Conc: 710.85 ng/ml



#5 DICAMBA

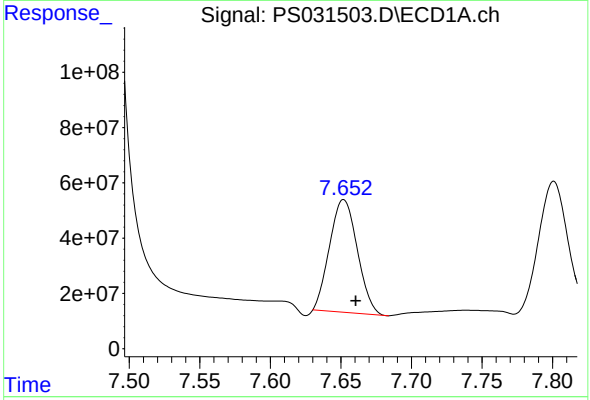
R.T.: 7.473 min
Delta R.T.: -0.008 min
Response: 9922667635
Conc: 710.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



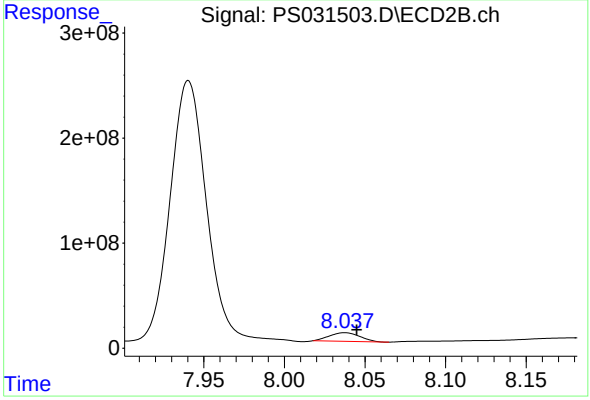
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: -0.007 min
Response: 3864226180
Conc: 680.00 ng/ml



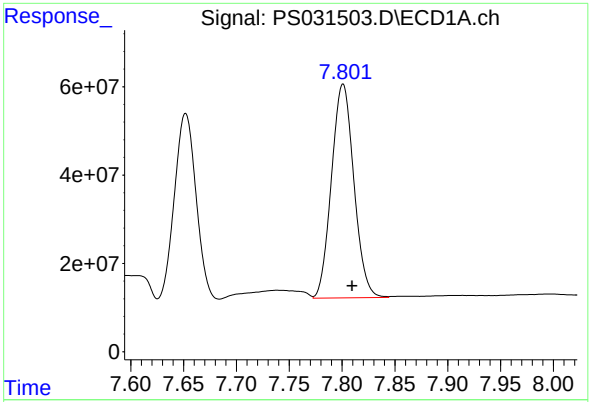
#6 MCPP

R.T.: 7.652 min
Delta R.T.: -0.009 min
Response: 557373973
Conc: 69.28 ug/ml



#6 MCPP

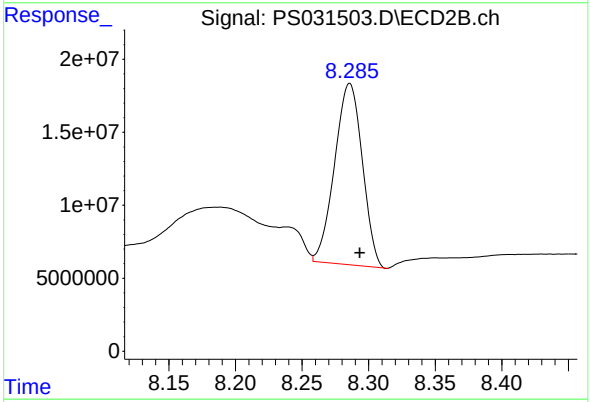
R.T.: 8.037 min
Delta R.T.: -0.007 min
Response: 107652086
Conc: 60.89 ug/ml



#7 MCPA

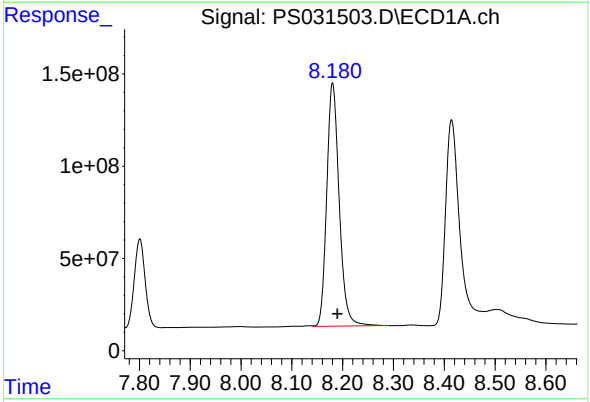
R.T.: 7.801 min
Delta R.T.: -0.008 min
Response: 712488726
Conc: 71.53 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



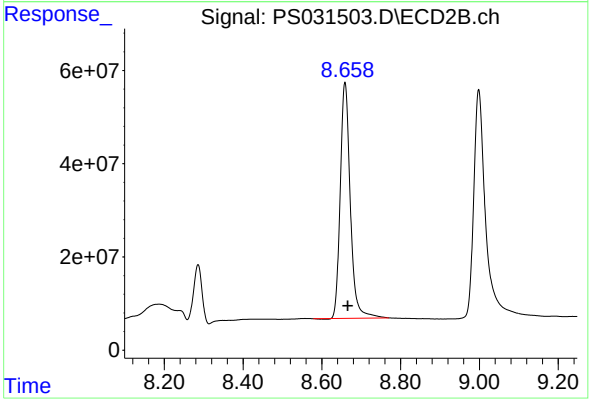
#7 MCPA

R.T.: 8.286 min
Delta R.T.: -0.008 min
Response: 179788359
Conc: 64.08 ug/ml



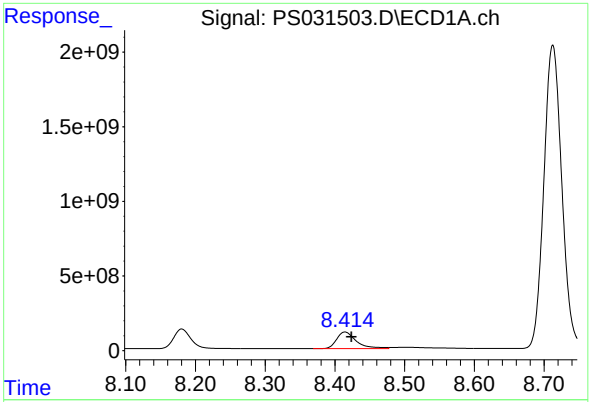
#8 DICHLORPROP

R.T.: 8.180 min
Delta R.T.: -0.009 min
Response: 2242614931
Conc: 706.91 ng/ml



#8 DICHLORPROP

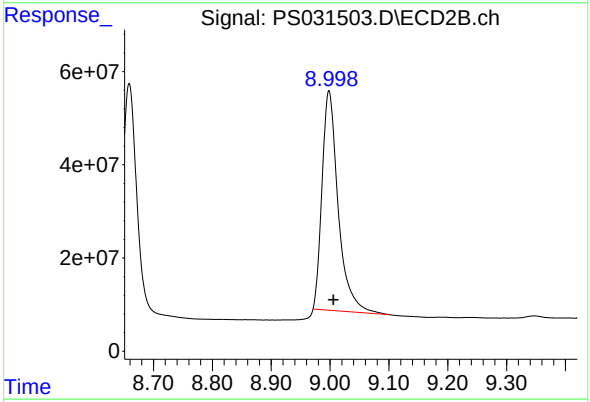
R.T.: 8.659 min
Delta R.T.: -0.007 min
Response: 894748972
Conc: 670.21 ng/ml



#9 2,4-D

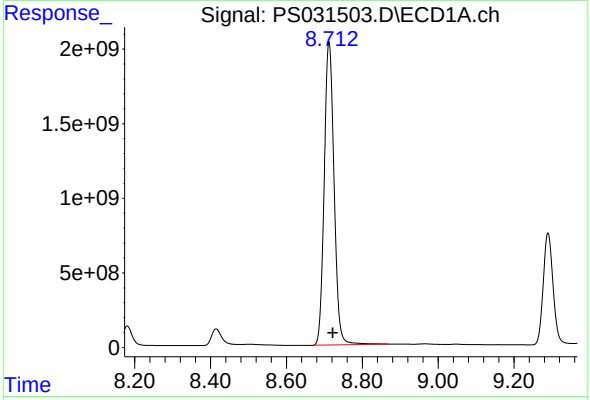
R.T.: 8.414 min
Delta R.T.: -0.009 min
Response: 2181366029
Conc: 758.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



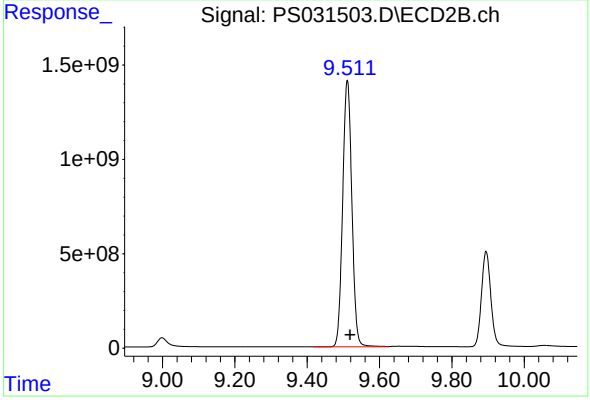
#9 2,4-D

R.T.: 8.998 min
Delta R.T.: -0.007 min
Response: 895307001
Conc: 627.28 ng/ml



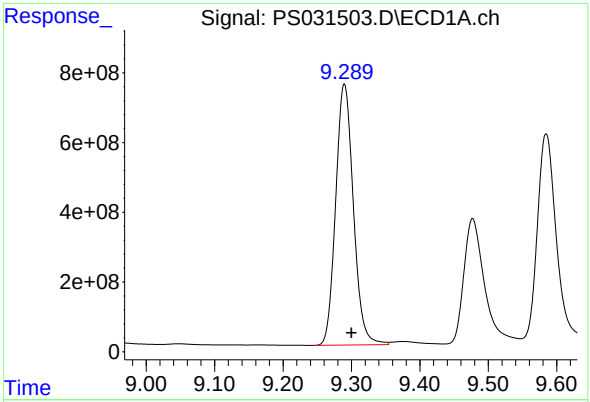
#10 Pentachlorophenol

R.T.: 8.712 min
Delta R.T.: -0.010 min
Response: 36603535786
Conc: 762.38 ng/ml



#10 Pentachlorophenol

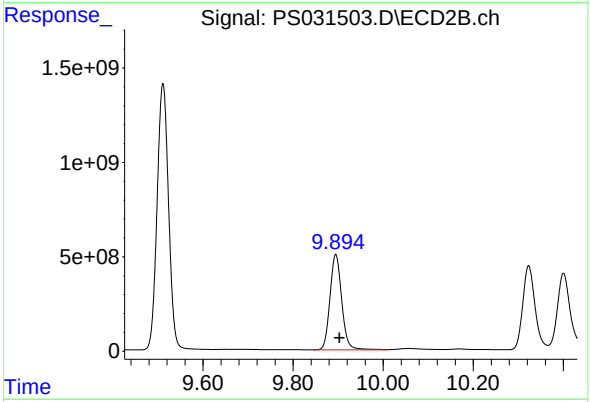
R.T.: 9.511 min
Delta R.T.: -0.007 min
Response: 24951978507
Conc: 716.43 ng/ml



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

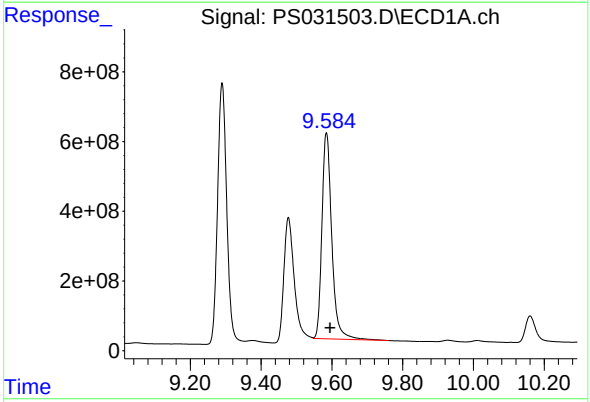
R.T.: 9.290 min
Delta R.T.: -0.010 min
Response: 13462057968
Conc: 751.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



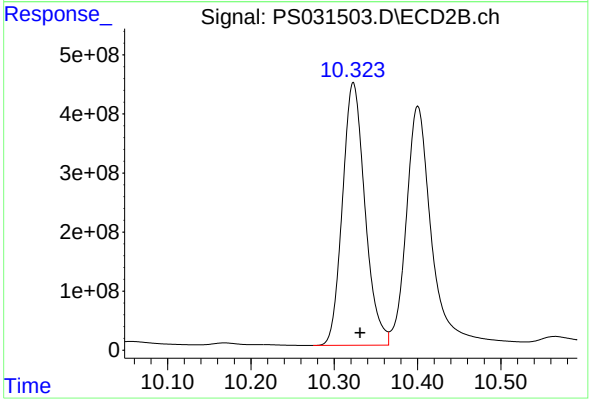
#11 2,4,5-TP (SILVEX)

R.T.: 9.895 min
Delta R.T.: -0.008 min
Response: 9140725858
Conc: 696.91 ng/ml



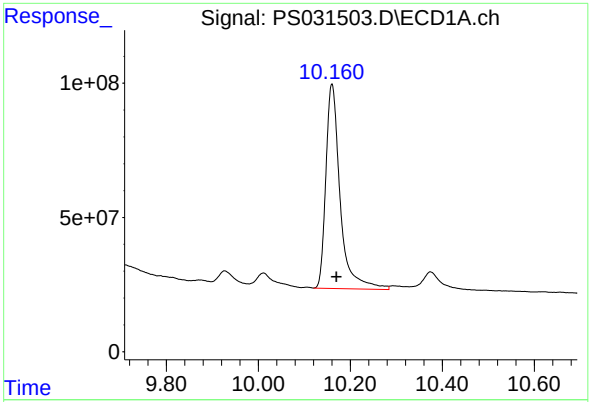
#12 2,4,5-T

R.T.: 9.585 min
Delta R.T.: -0.011 min
Response: 11411877842
Conc: 778.90 ng/ml



#12 2,4,5-T

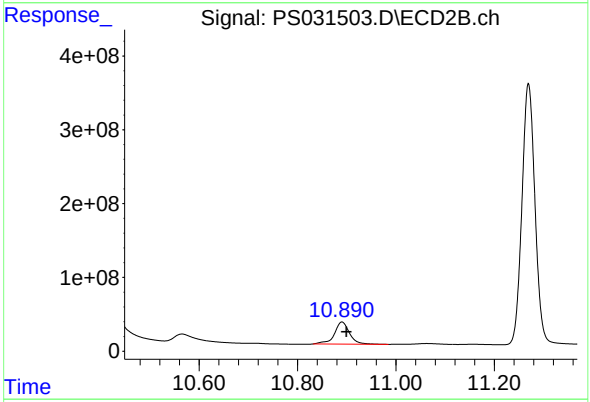
R.T.: 10.323 min
Delta R.T.: -0.008 min
Response: 8347407025
Conc: 705.03 ng/ml



#13 2,4-DB

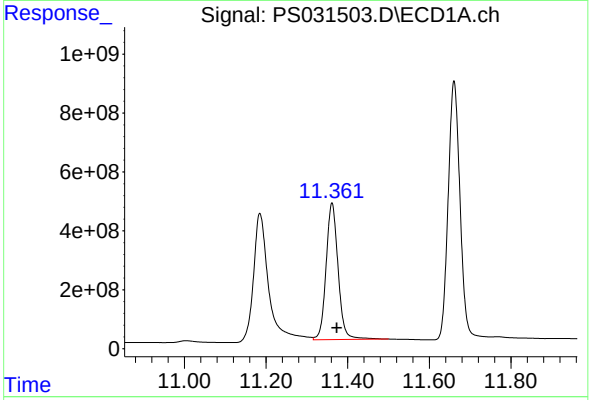
R.T.: 10.160 min
Delta R.T.: -0.010 min
Response: 1639974249
Conc: 853.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



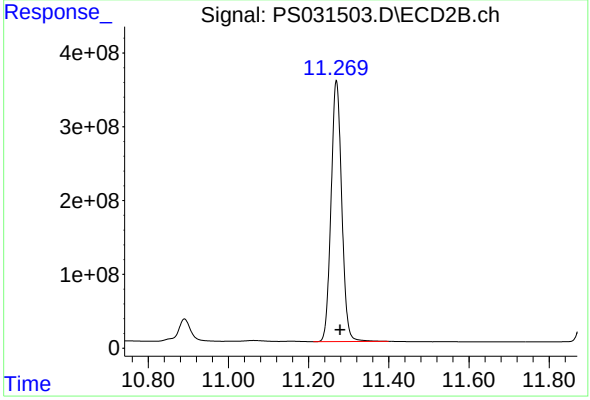
#13 2,4-DB

R.T.: 10.890 min
Delta R.T.: -0.009 min
Response: 637066700
Conc: 660.28 ng/ml



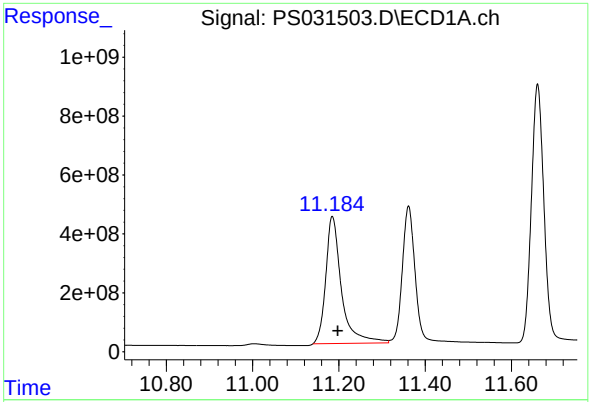
#14 DINOSEB

R.T.: 11.362 min
Delta R.T.: -0.012 min
Response: 9498794556
Conc: 749.21 ng/ml



#14 DINOSEB

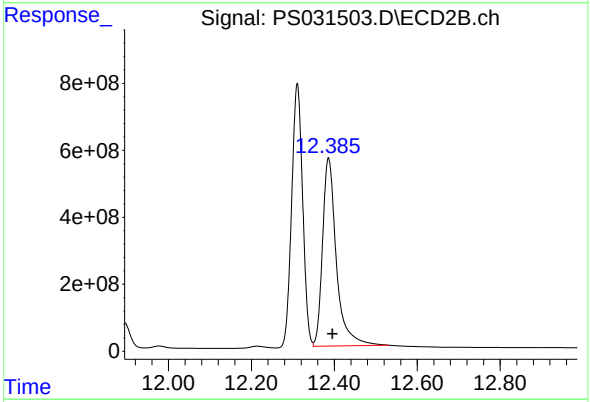
R.T.: 11.269 min
Delta R.T.: -0.009 min
Response: 6527696893
Conc: 690.25 ng/ml



#15 Picloram

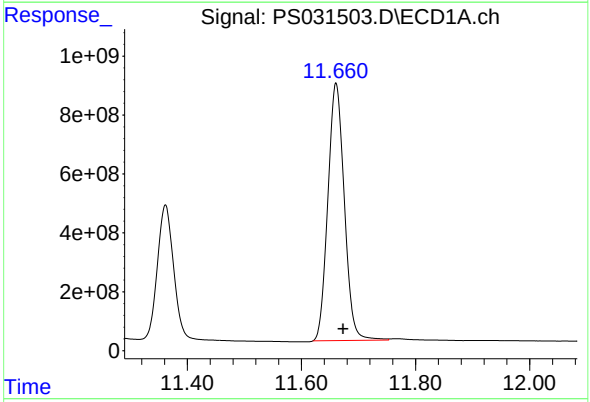
R.T.: 11.185 min
Delta R.T.: -0.012 min
Response: 10921368699
Conc: 836.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



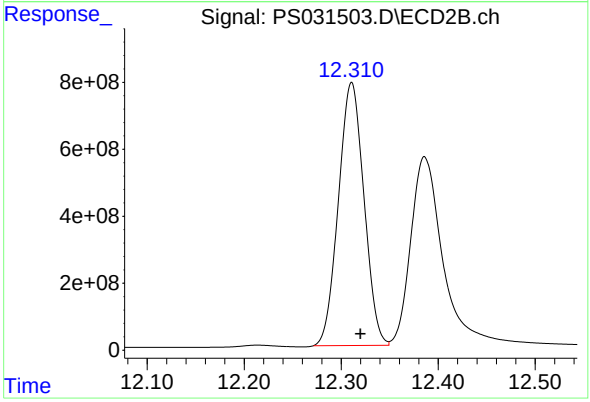
#15 Picloram

R.T.: 12.386 min
Delta R.T.: -0.009 min
Response: 13017290624
Conc: 742.58 ng/ml



#16 DCPA

R.T.: 11.661 min
Delta R.T.: -0.012 min
Response: 17473315032
Conc: 767.07 ng/ml



#16 DCPA

R.T.: 12.311 min
Delta R.T.: -0.009 min
Response: 14381541746
Conc: 730.01 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 21:57
Operator : AR\AJ
Sample : Q2879-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:25:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
4) S	2,4-DCAA	7.273	7.749	241.6E6	131.9E6	76.123	156.001	#
	Target Compounds							
1) T	Dalapon	0.000	2.665f	0	637.7E6	N.D.	239.664	
3) T	4-Nitroph...	7.100	7.303	521586	94952095	<MDL	75.545	#
5) T	DICAMBA	7.486	7.958	7118261	36027324	<MDL	6.340	#
6) T	MCPP	7.672	8.052	45844904	120.5E6	5.699	68.142	#
7) T	MCPA	7.839f	8.255f	108.8E6	128.6E6	10.926	45.833	#
8) T	DICHLORPROP	8.223f	8.634f	173.5E6	18281850	54.700	13.694	#
9) T	2,4-D	8.398f	9.022	50998460	6320343	17.727	4.428	#
10) T	Pentachlo...	8.711	9.489f	9149216	29151290	<MDL	<MDL	#
11) T	2,4,5-TP ...	9.335f	9.878	8875957	337.6E6	<MDL	25.742	#
12) T	2,4,5-T	9.633f	10.326	184.7E6	722.6E6	12.607	61.033	#
13) T	2,4-DB	10.192	10.876	52781615	50242594	27.466	52.073	#
14) T	DINOSEB	11.386	11.282	5199067	140.7E6	<MDL	14.877	#
15) T	Picloram	11.209	12.392	15894263	-16233971	1.218	N.D.	#
16) T	DCPA	11.660	0.000	157.9E6	0	6.932	N.D.	#

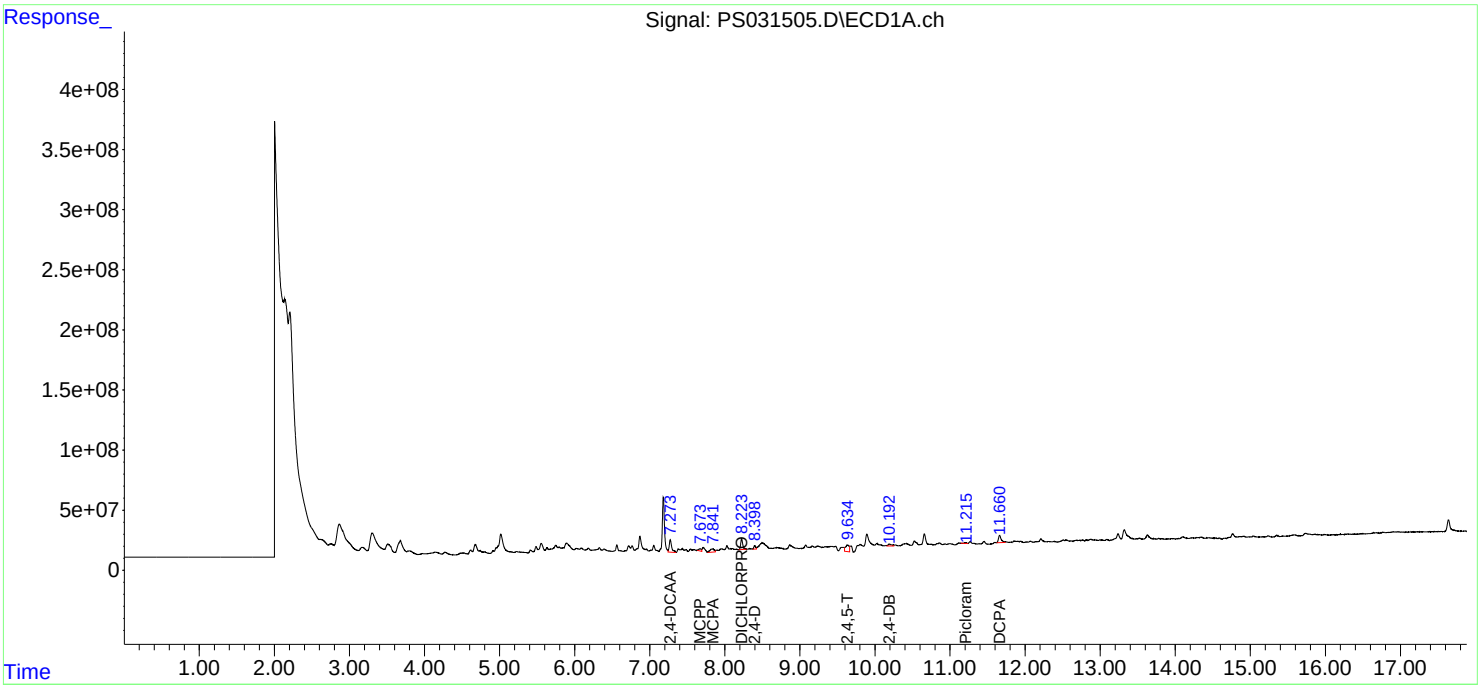
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

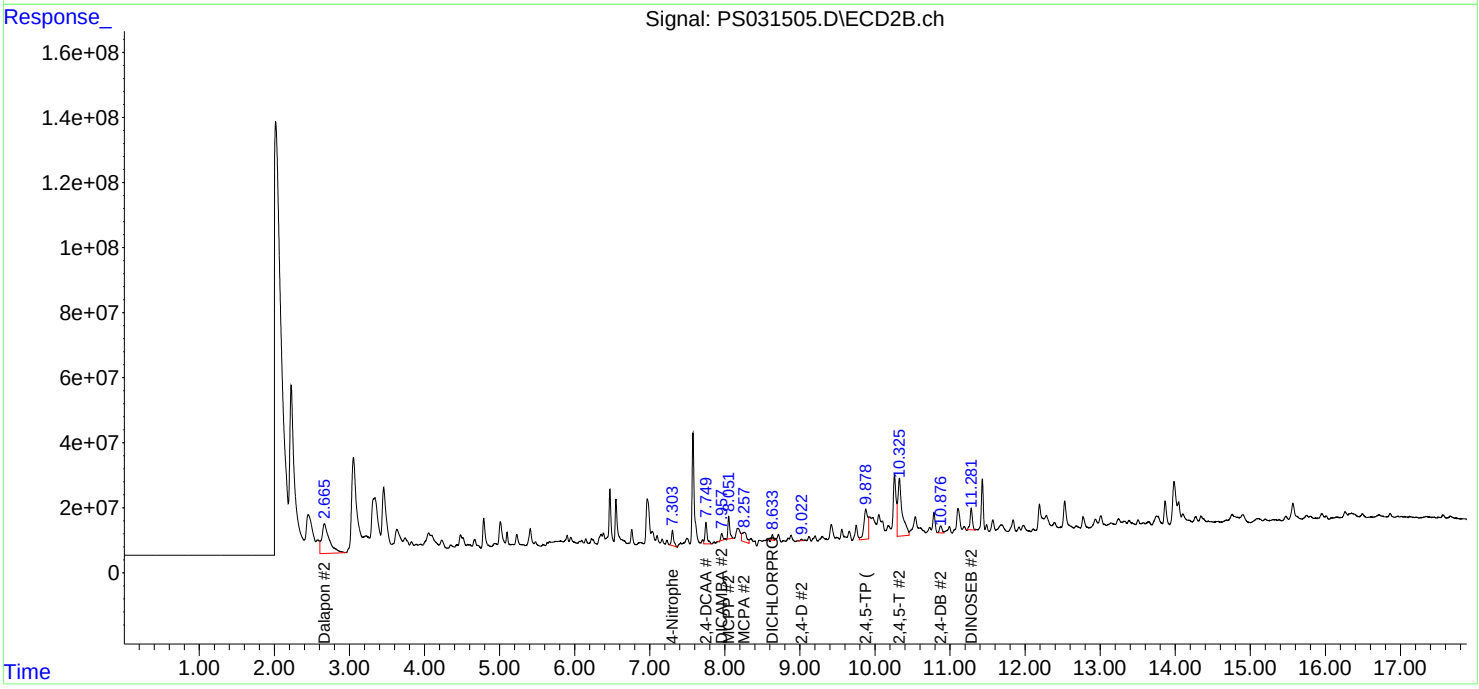
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 21:57
Operator : AR\AJ
Sample : Q2879-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

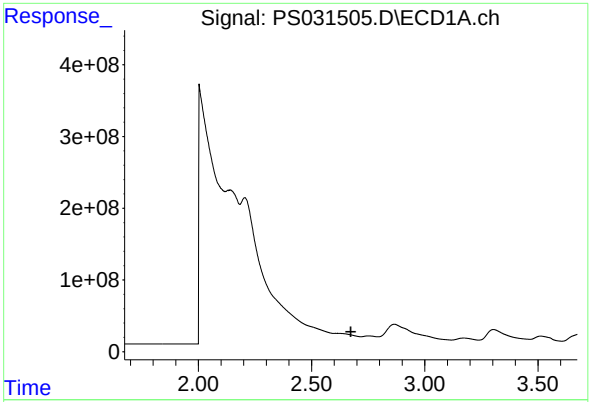
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:25:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



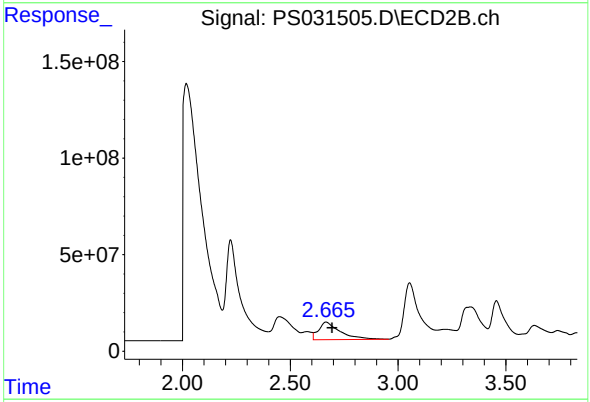




#1 Dalapon

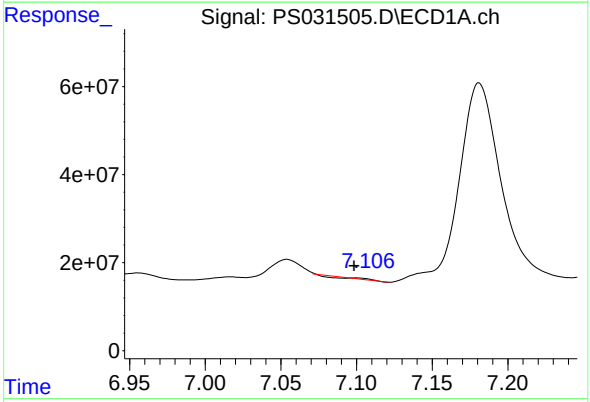
R.T.: 0.000 min
Exp R.T. : 2.674 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



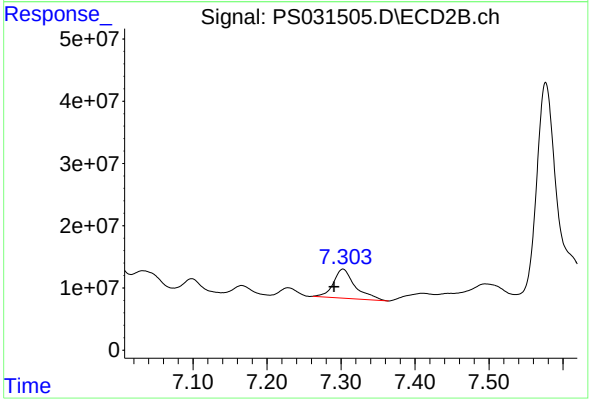
#1 Dalapon

R.T.: 2.665 min
Delta R.T.: -0.030 min
Response: 637747910
Conc: 239.66 ng/ml



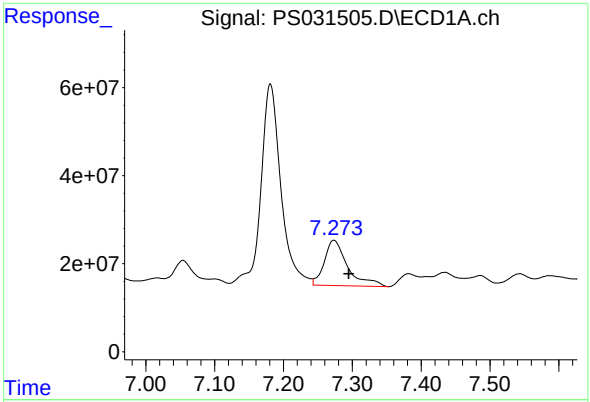
#3 4-Nitrophenol

R.T.: 7.100 min
Delta R.T.: 0.001 min
Response: 521586
Conc: N.D.



#3 4-Nitrophenol

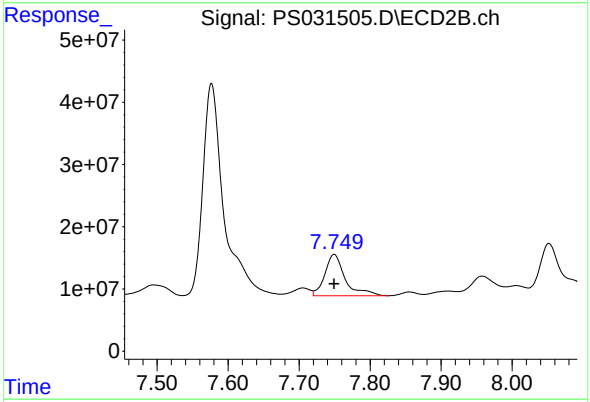
R.T.: 7.303 min
Delta R.T.: 0.012 min
Response: 94952095
Conc: 75.55 ng/ml



#4 2,4-DCAA

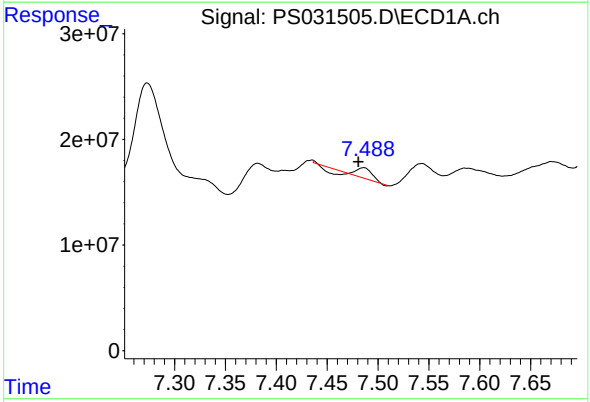
R.T.: 7.273 min
Delta R.T.: -0.022 min
Response: 241613577
Conc: 76.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



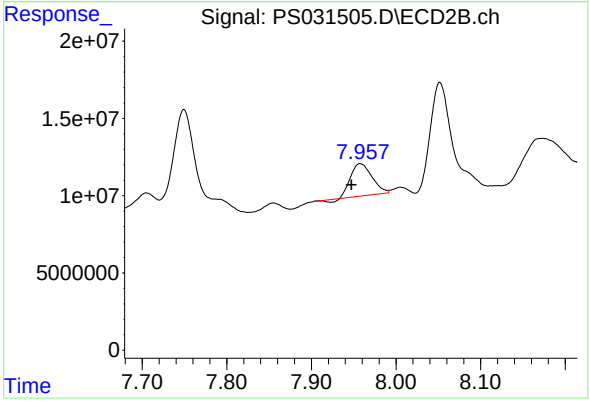
#4 2,4-DCAA

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 131874224
Conc: 156.00 ng/ml



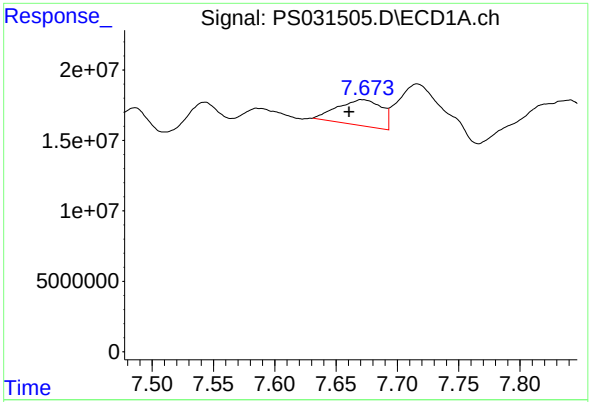
#5 DICAMBA

R.T.: 7.486 min
Delta R.T.: 0.005 min
Response: 7118261
Conc: N.D.



#5 DICAMBA

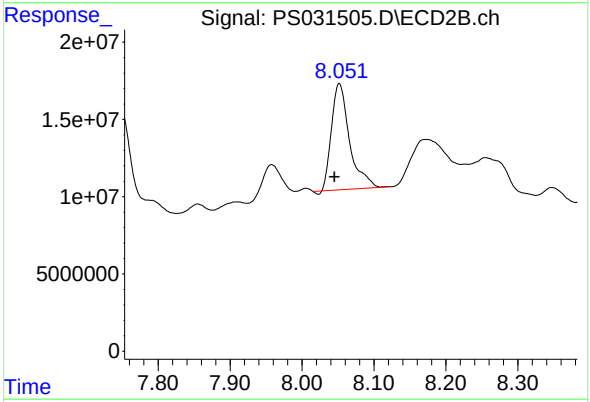
R.T.: 7.958 min
Delta R.T.: 0.011 min
Response: 36027324
Conc: 6.34 ng/ml



#6 MCPP

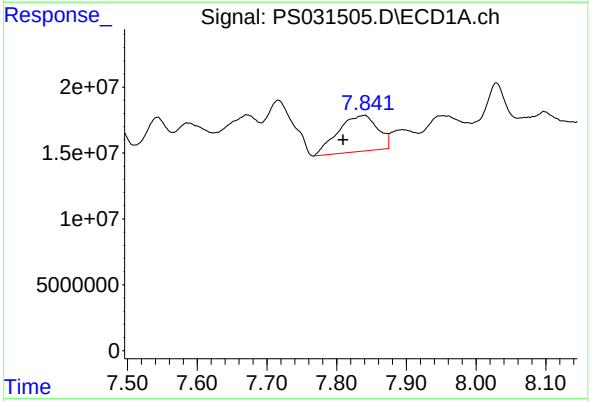
R.T.: 7.672 min
Delta R.T.: 0.011 min
Response: 45844904
Conc: 5.70 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



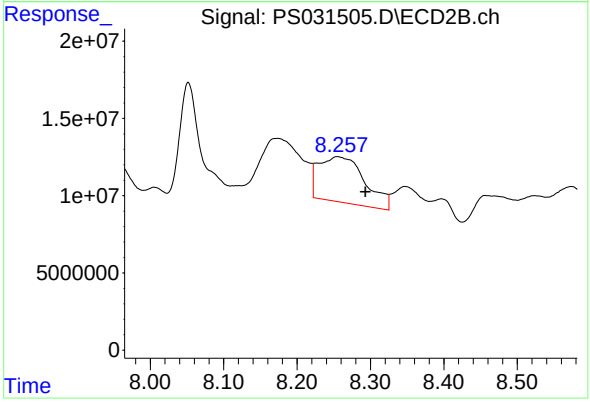
#6 MCPP

R.T.: 8.052 min
Delta R.T.: 0.007 min
Response: 120462979
Conc: 68.14 ug/ml



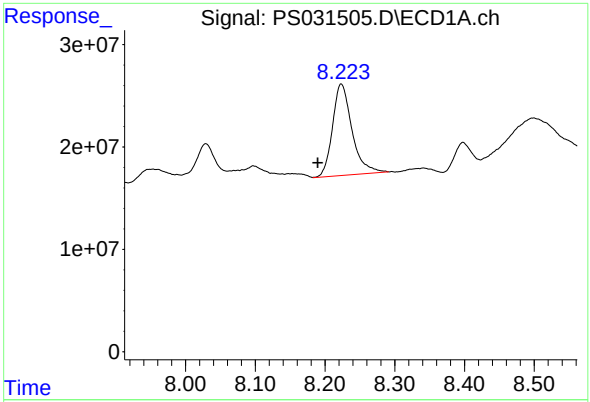
#7 MCPA

R.T.: 7.839 min
Delta R.T.: 0.030 min
Response: 108833663
Conc: 10.93 ug/ml



#7 MCPA

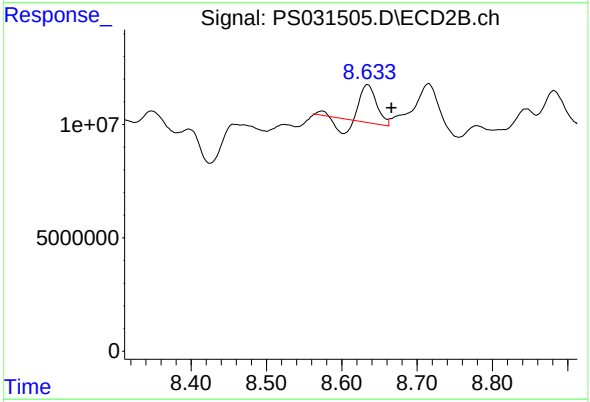
R.T.: 8.255 min
Delta R.T.: -0.038 min
Response: 128584705
Conc: 45.83 ug/ml



#8 DICHLORPROP

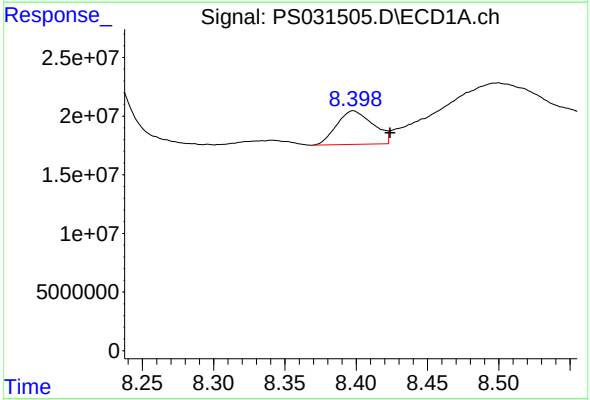
R.T.: 8.223 min
Delta R.T.: 0.034 min
Response: 173530606
Conc: 54.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



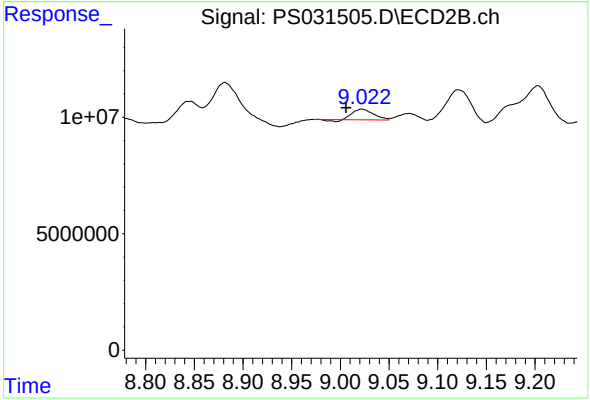
#8 DICHLORPROP

R.T.: 8.634 min
Delta R.T.: -0.032 min
Response: 18281850
Conc: 13.69 ng/ml



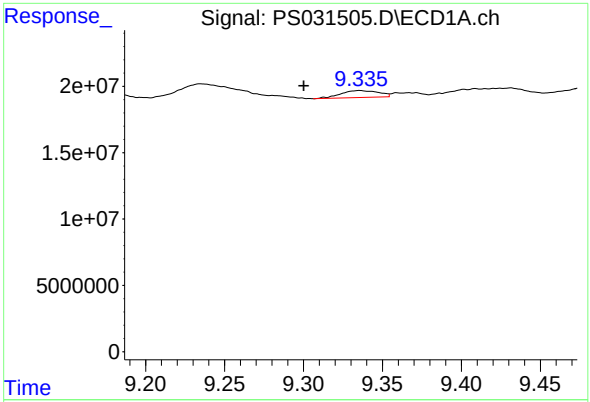
#9 2,4-D

R.T.: 8.398 min
Delta R.T.: -0.026 min
Response: 50998460
Conc: 17.73 ng/ml



#9 2,4-D

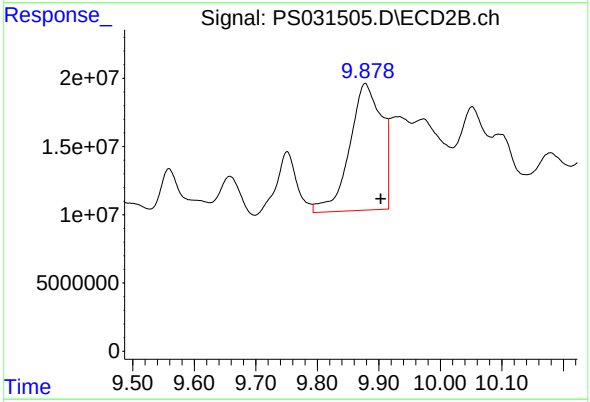
R.T.: 9.022 min
Delta R.T.: 0.016 min
Response: 6320343
Conc: 4.43 ng/ml



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

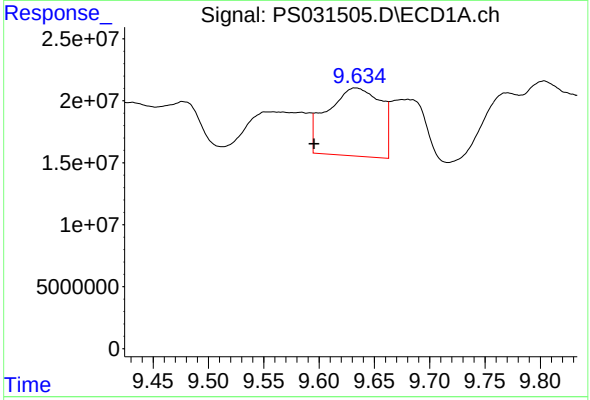
R.T.: 9.335 min
Delta R.T.: 0.035 min
Response: 8875957
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



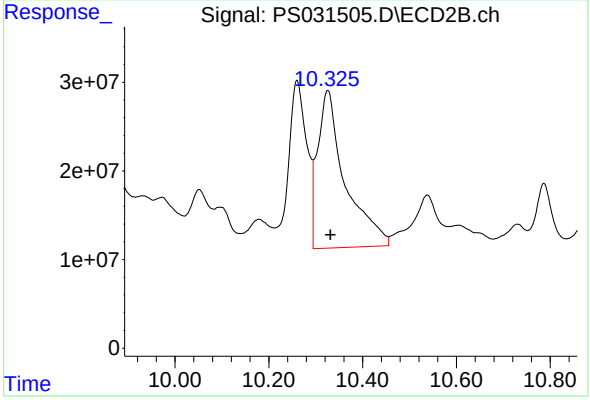
#11 2,4,5-TP (SILVEX)

R.T.: 9.878 min
Delta R.T.: -0.025 min
Response: 337633394
Conc: 25.74 ng/ml



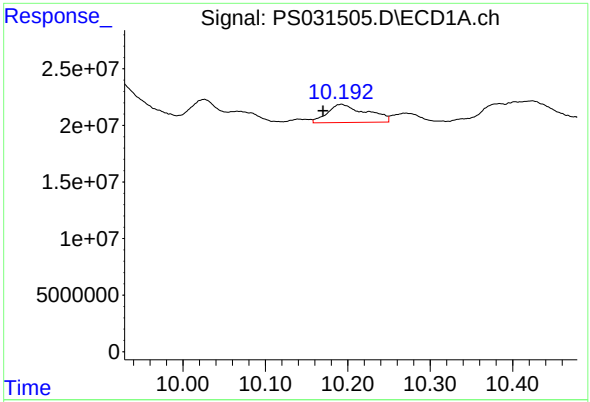
#12 2,4,5-T

R.T.: 9.633 min
Delta R.T.: 0.038 min
Response: 184703118
Conc: 12.61 ng/ml



#12 2,4,5-T

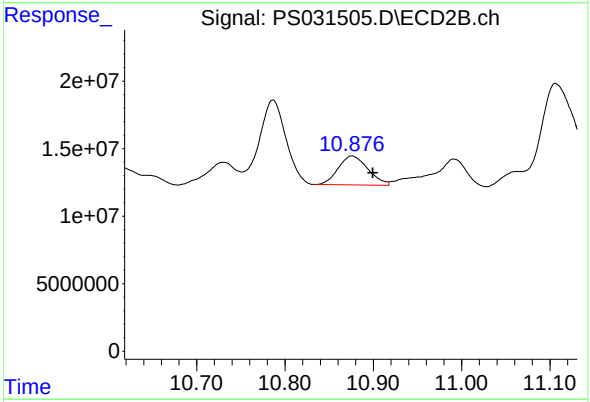
R.T.: 10.326 min
Delta R.T.: -0.005 min
Response: 722621951
Conc: 61.03 ng/ml



#13 2,4-DB

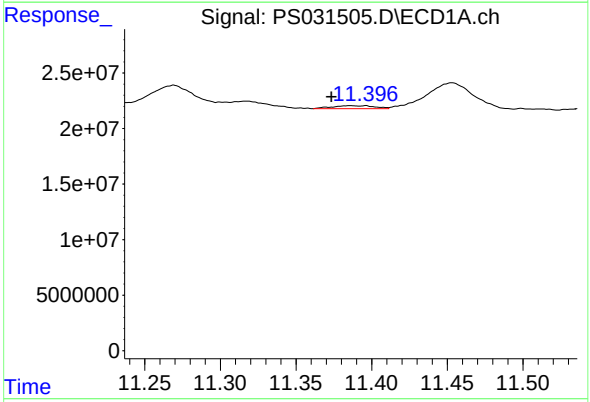
R.T.: 10.192 min
Delta R.T.: 0.022 min
Response: 52781615
Conc: 27.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



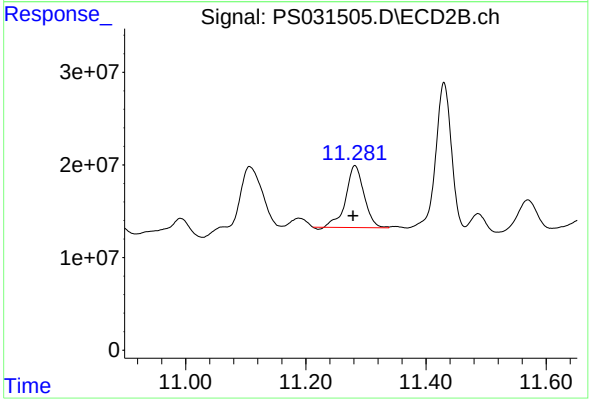
#13 2,4-DB

R.T.: 10.876 min
Delta R.T.: -0.023 min
Response: 50242594
Conc: 52.07 ng/ml



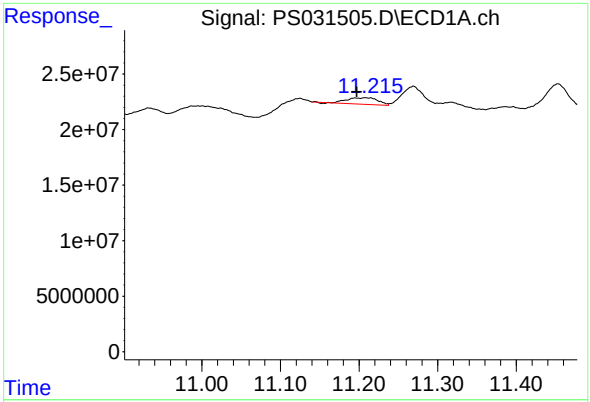
#14 DINOSEB

R.T.: 11.386 min
Delta R.T.: 0.013 min
Response: 5199067
Conc: N.D.



#14 DINOSEB

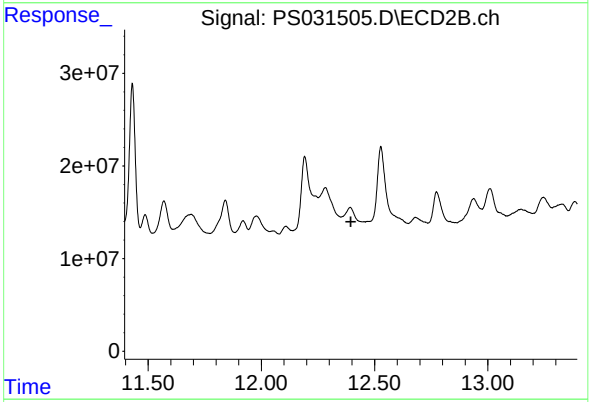
R.T.: 11.282 min
Delta R.T.: 0.003 min
Response: 140692824
Conc: 14.88 ng/ml



#15 Picloram

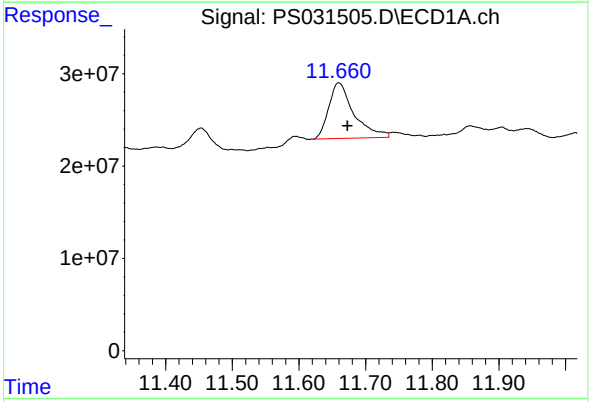
R.T.: 11.209 min
Delta R.T.: 0.011 min
Response: 15894263
Conc: 1.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



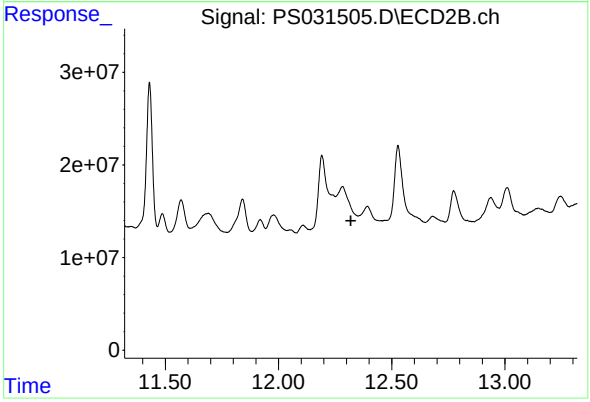
#15 Picloram

R.T.: 12.392 min
Delta R.T.: -0.003 min
Response: -16233971
Conc: N.D.



#16 DCPA

R.T.: 11.660 min
Delta R.T.: -0.013 min
Response: 157903547
Conc: 6.93 ng/ml



#16 DCPA

R.T.: 0.000 min
Exp R.T. : 12.320 min
Response: 0
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 22:22
Operator : AR\AJ
Sample : Q2879-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:25:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
4) S	2,4-DCAA	7.285	7.745	505.1E6	237.5E6	159.125	280.981	#
	Target Compounds							
1) T	Dalapon	0.000	2.664f	0	872.6E6	N.D.	327.924	
3) T	4-Nitroph...	7.105	7.300	45038023	197.5E6	43.655	157.131	#
5) T	DICAMBA	7.485	7.970	18638454	7827341	1.335	1.377	
6) T	MCPP	7.660	8.048	69989424	649.2E6	8.700	367.224	#
7) T	MCPA	7.815	8.254f	313.8E6	116.0E6	31.498	41.333	#
8) T	DICHLORPROP	8.222f	8.626f	740.8E6	-31824284	233.501	N.D.	#
9) T	2,4-D	8.396f	0.000	66126617	0	22.986	N.D.	#
10) T	Pentachlo...	8.752f	9.504	22912389	58606664	<MDL	1.683	#
11) T	2,4,5-TP ...	9.331f	9.873f	10922670	841.9E6	<MDL	64.185	#
12) T	2,4,5-T	9.562f	10.320	127.7E6	1188.8E6	8.718	100.406	#
13) T	2,4-DB	10.194	10.868f	661.1E6	92143919	343.995	95.501	#
14) T	DINOSEB	11.389	11.280	193.6E6	543.7E6	15.271	57.493	#
15) T	Picloram	11.225f	12.389	14087455	-18523219	1.079	N.D.	#
16) T	DCPA	11.651	0.000	136.7E6	0	6.000	N.D.	#

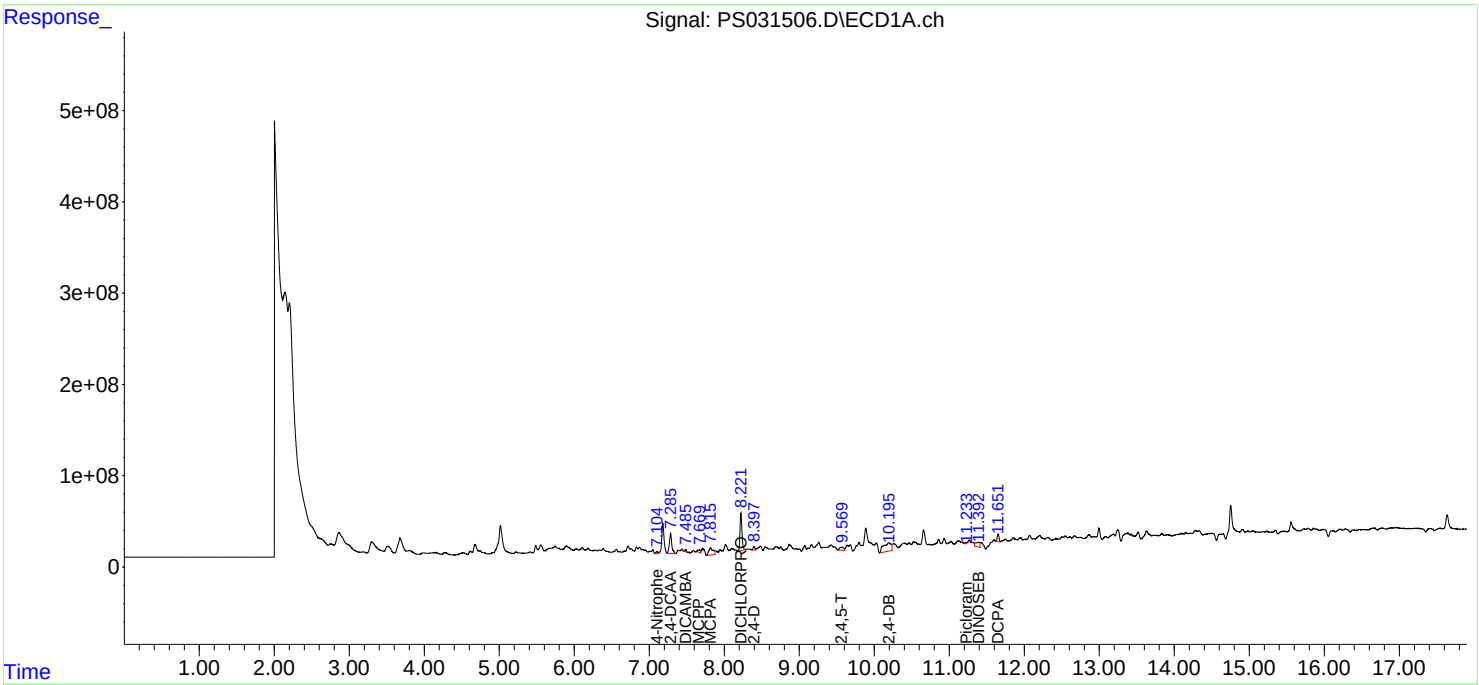
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

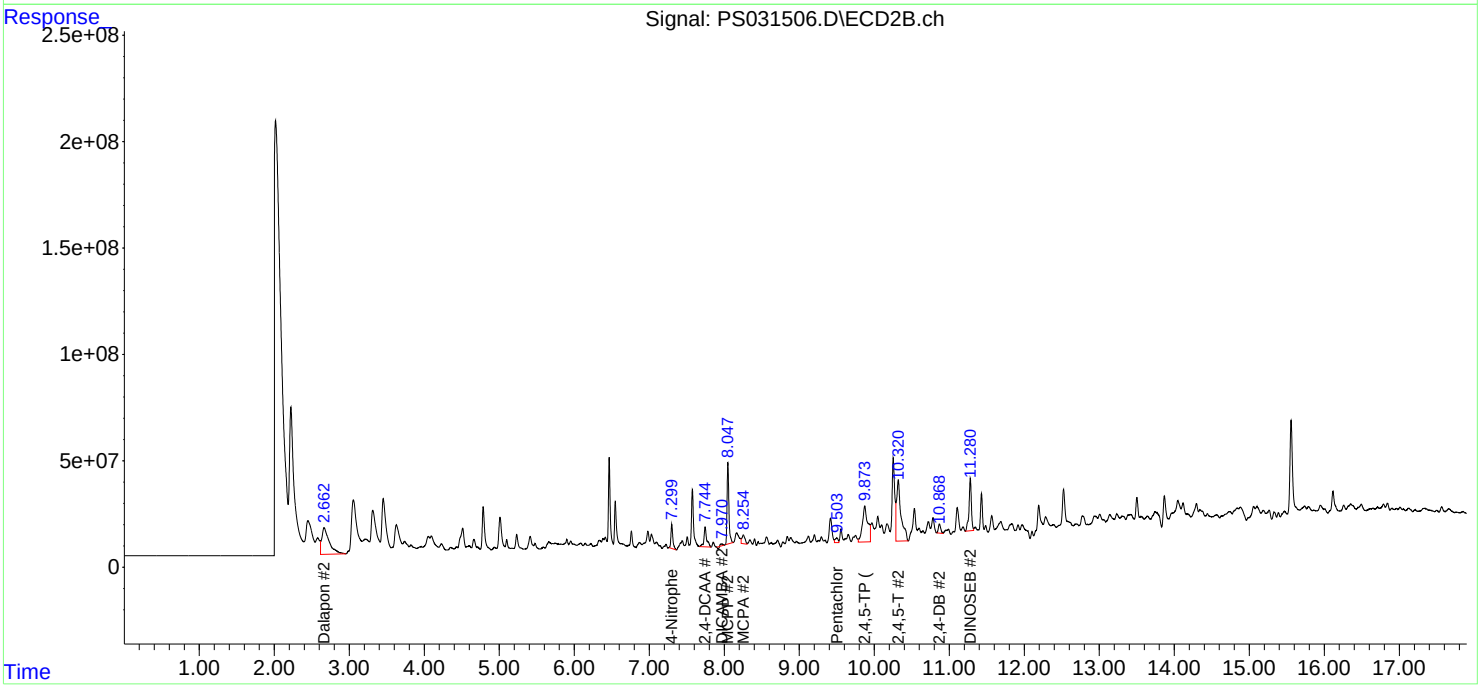
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 22:22
Operator : AR\AJ
Sample : Q2879-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

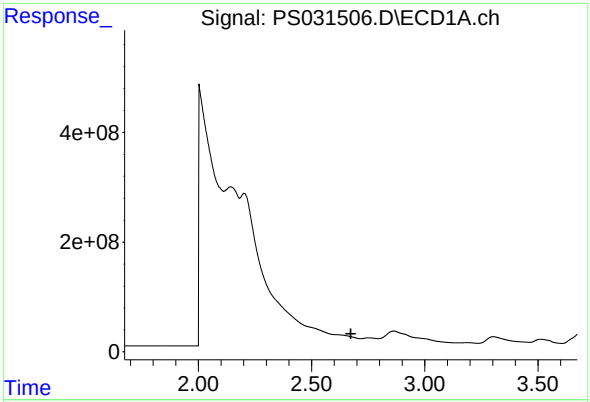
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:25:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



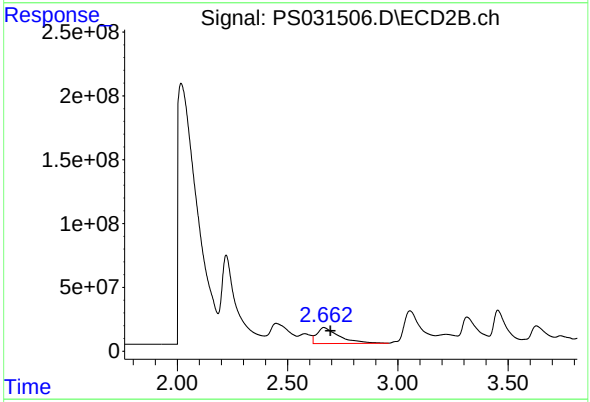




#1 Dalapon

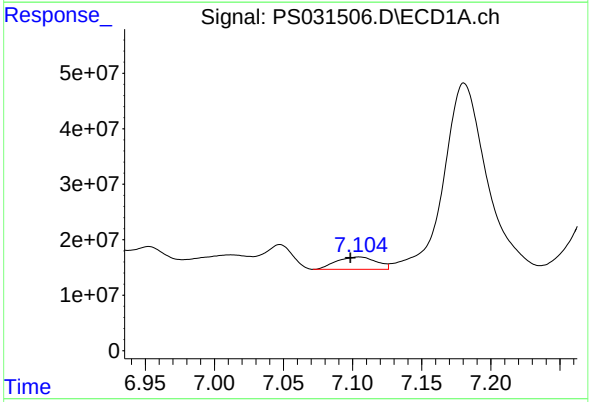
R.T.: 0.000 min
Exp R.T. : 2.674 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



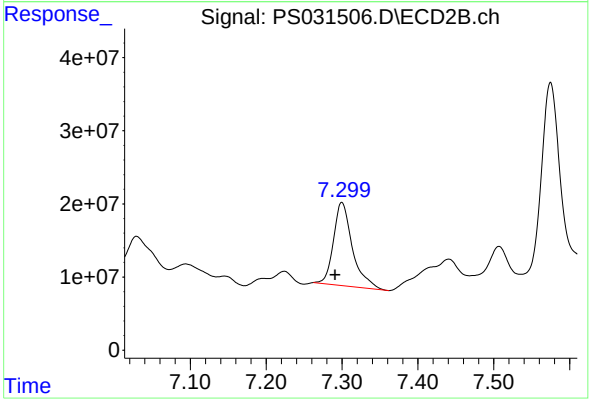
#1 Dalapon

R.T.: 2.664 min
Delta R.T.: -0.031 min
Response: 872609749
Conc: 327.92 ng/ml



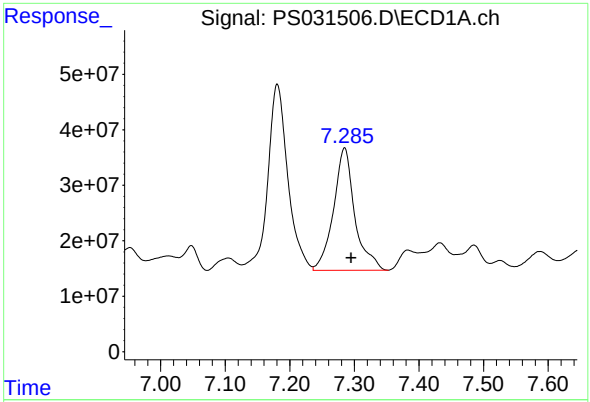
#3 4-Nitrophenol

R.T.: 7.105 min
Delta R.T.: 0.006 min
Response: 45038023
Conc: 43.66 ng/ml



#3 4-Nitrophenol

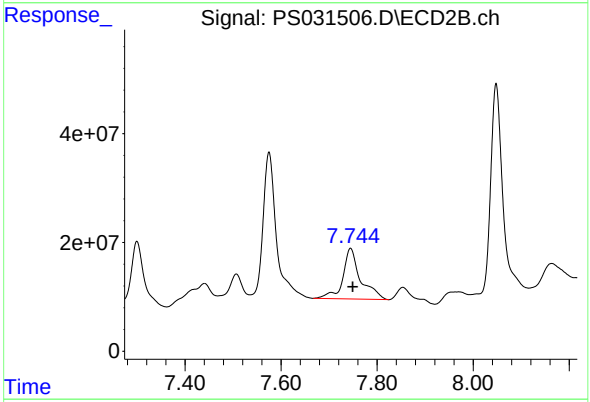
R.T.: 7.300 min
Delta R.T.: 0.009 min
Response: 197495918
Conc: 157.13 ng/ml



#4 2,4-DCAA

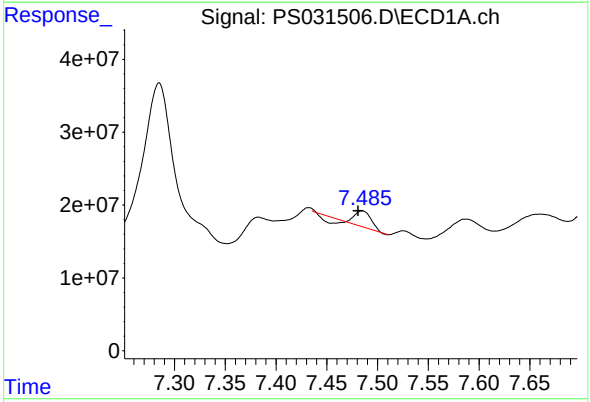
R.T.: 7.285 min
Delta R.T.: -0.010 min
Response: 505060427
Conc: 159.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



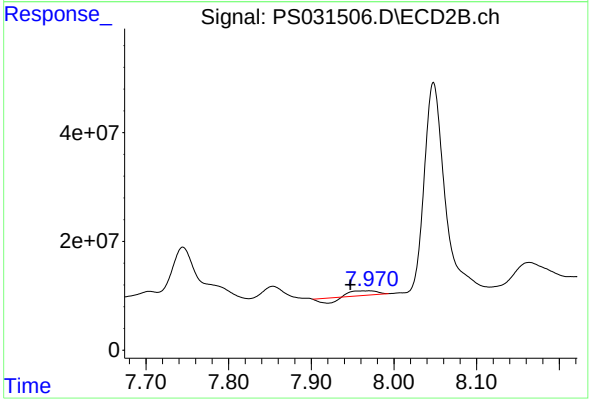
#4 2,4-DCAA

R.T.: 7.745 min
Delta R.T.: -0.004 min
Response: 237524329
Conc: 280.98 ng/ml



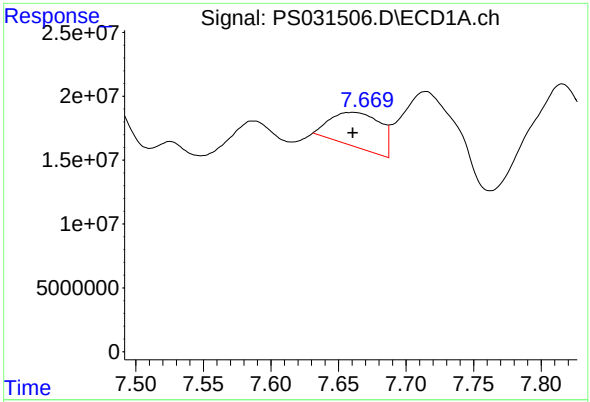
#5 DICAMBA

R.T.: 7.485 min
Delta R.T.: 0.004 min
Response: 18638454
Conc: 1.33 ng/ml



#5 DICAMBA

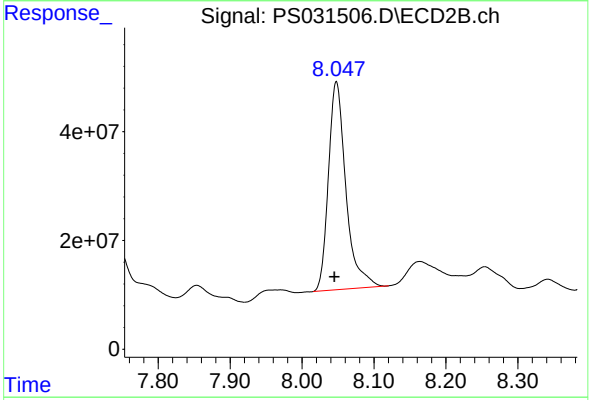
R.T.: 7.970 min
Delta R.T.: 0.022 min
Response: 7827341
Conc: 1.38 ng/ml



#6 MCPP

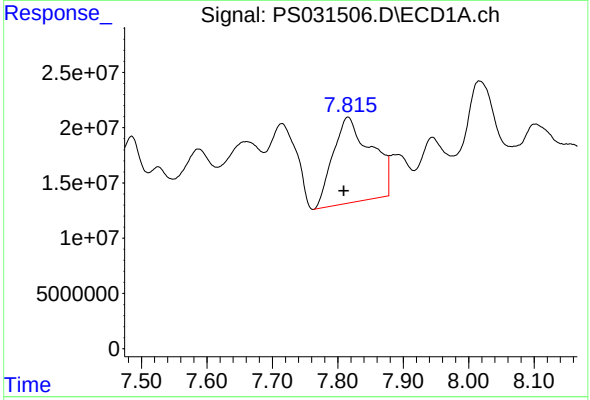
R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 69989424
Conc: 8.70 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



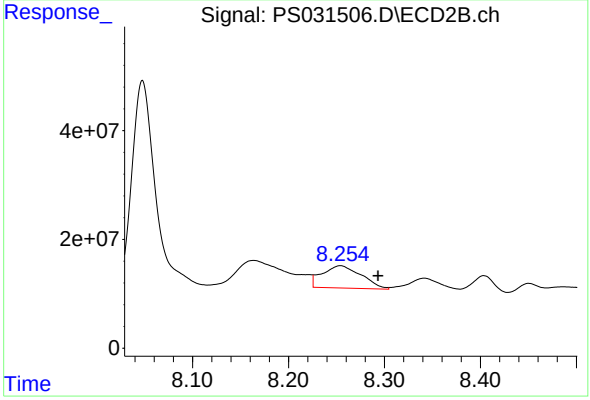
#6 MCPP

R.T.: 8.048 min
Delta R.T.: 0.003 min
Response: 649191222
Conc: 367.22 ug/ml



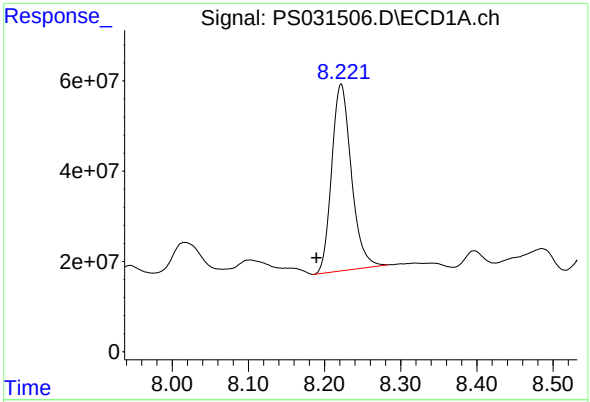
#7 MCPA

R.T.: 7.815 min
Delta R.T.: 0.006 min
Response: 313763040
Conc: 31.50 ug/ml



#7 MCPA

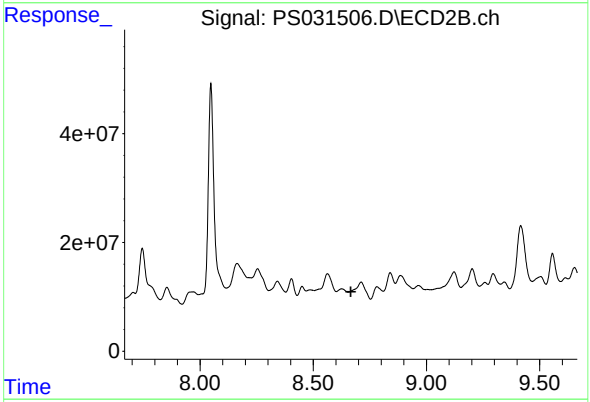
R.T.: 8.254 min
Delta R.T.: -0.039 min
Response: 115961084
Conc: 41.33 ug/ml



#8 DICHLORPROP

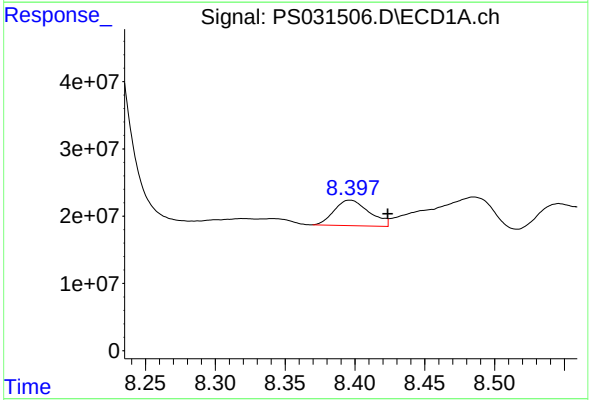
R.T.: 8.222 min
Delta R.T.: 0.032 min
Response: 740765506
Conc: 233.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



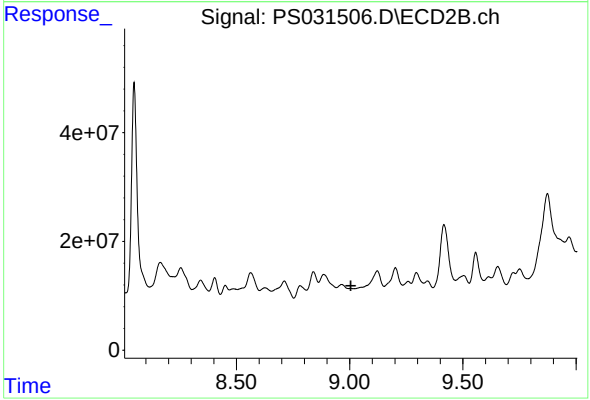
#8 DICHLORPROP

R.T.: 8.626 min
Delta R.T.: -0.040 min
Response: -31824284
Conc: N.D.



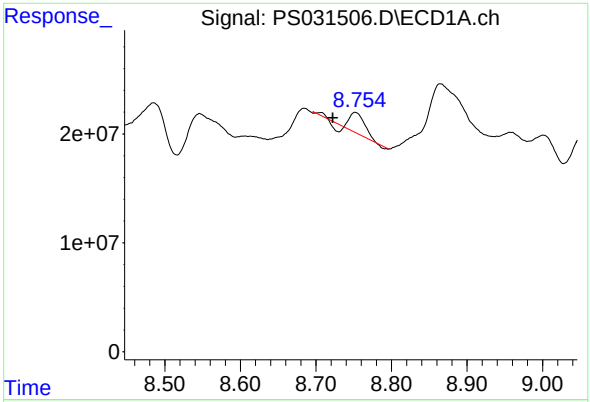
#9 2,4-D

R.T.: 8.396 min
Delta R.T.: -0.027 min
Response: 66126617
Conc: 22.99 ng/ml



#9 2,4-D

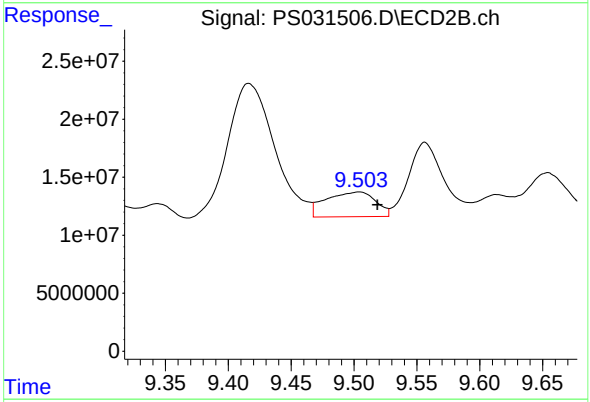
R.T.: 0.000 min
Exp R.T. : 9.006 min
Response: 0
Conc: N.D.



#10 Pentachlorophenol

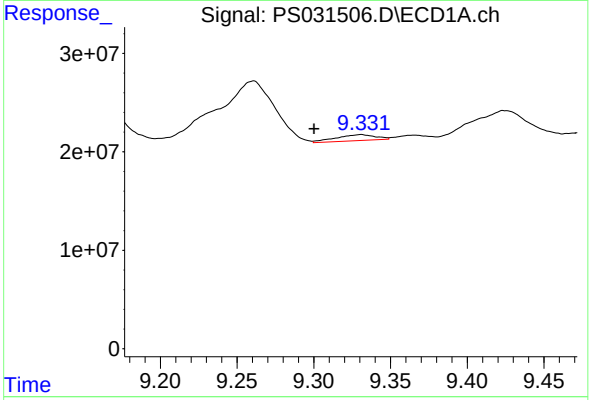
R.T.: 8.752 min
Delta R.T.: 0.030 min
Response: 22912389
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



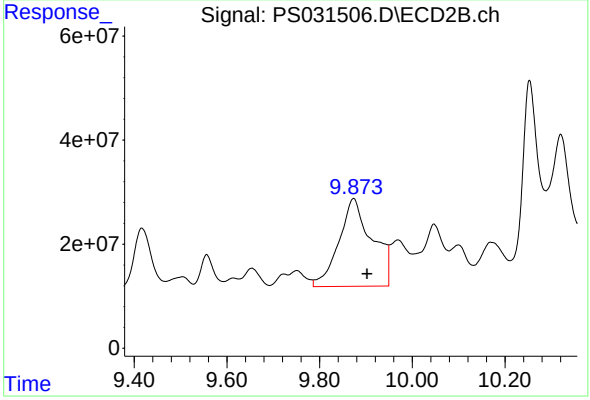
#10 Pentachlorophenol

R.T.: 9.504 min
Delta R.T.: -0.015 min
Response: 58606664
Conc: 1.68 ng/ml



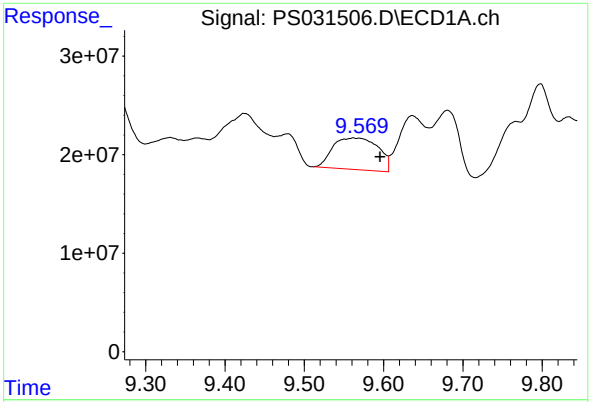
#11 2,4,5-TP (SILVEX)

R.T.: 9.331 min
Delta R.T.: 0.031 min
Response: 10922670
Conc: N.D.



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

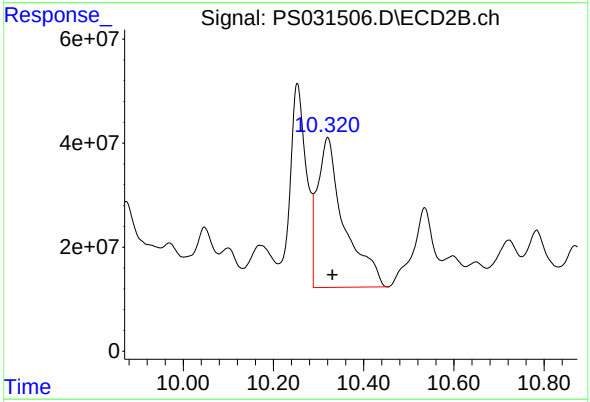
R.T.: 9.873 min
Delta R.T.: -0.030 min
Response: 841850870
Conc: 64.18 ng/ml



#12 2,4,5-T

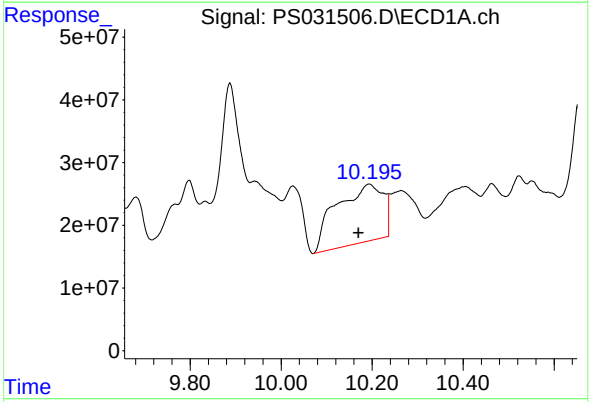
R.T.: 9.562 min
Delta R.T.: -0.033 min
Response: 127733942
Conc: 8.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



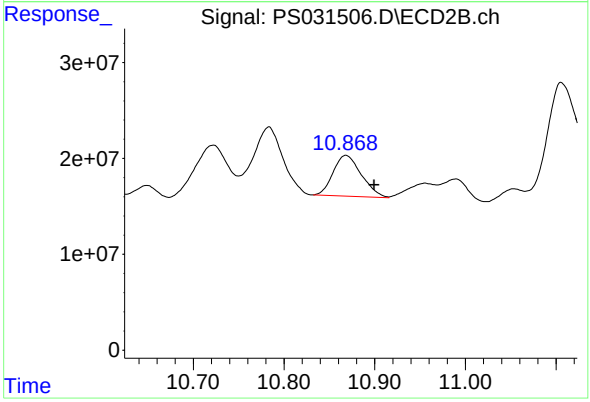
#12 2,4,5-T

R.T.: 10.320 min
Delta R.T.: -0.011 min
Response: 1188787638
Conc: 100.41 ng/ml



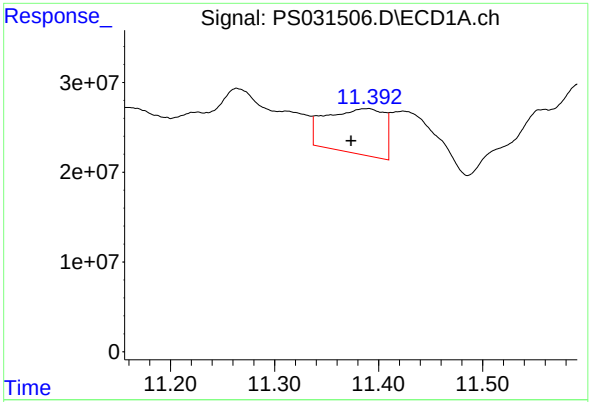
#13 2,4-DB

R.T.: 10.194 min
Delta R.T.: 0.023 min
Response: 661061700
Conc: 343.99 ng/ml



#13 2,4-DB

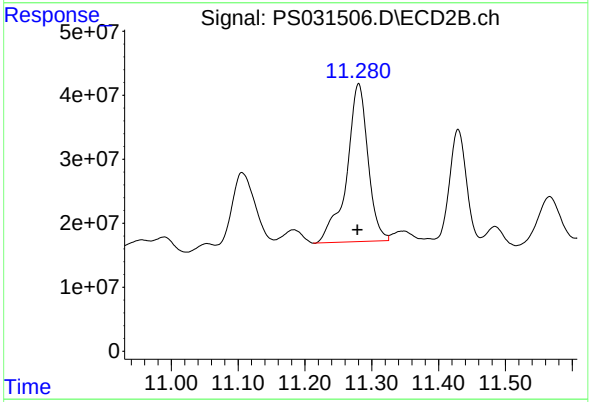
R.T.: 10.868 min
Delta R.T.: -0.031 min
Response: 92143919
Conc: 95.50 ng/ml



#14 DINOSEB

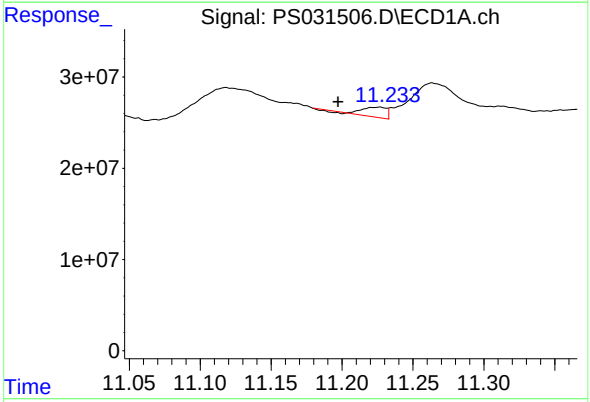
R.T.: 11.389 min
Delta R.T.: 0.015 min
Response: 193608657
Conc: 15.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



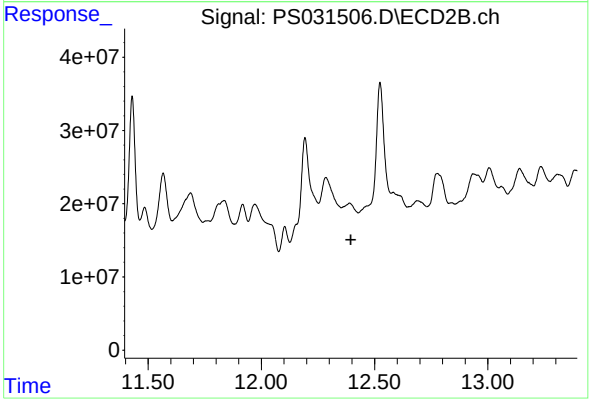
#14 DINOSEB

R.T.: 11.280 min
Delta R.T.: 0.002 min
Response: 543710764
Conc: 57.49 ng/ml



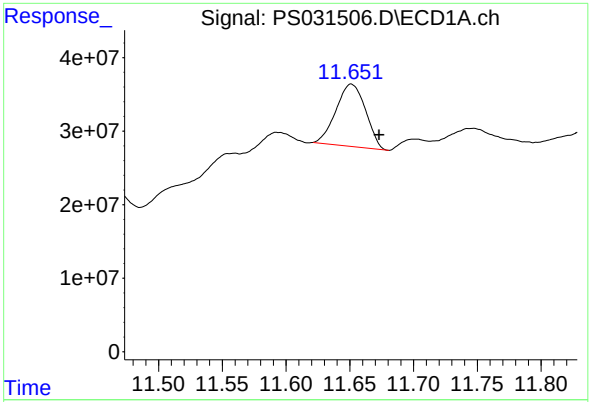
#15 Picloram

R.T.: 11.225 min
Delta R.T.: 0.028 min
Response: 14087455
Conc: 1.08 ng/ml



#15 Picloram

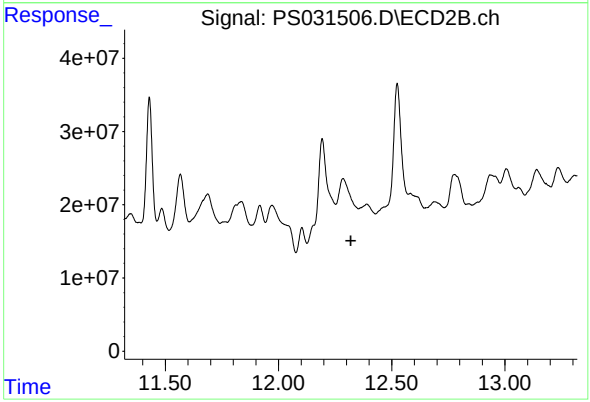
R.T.: 12.389 min
Delta R.T.: -0.006 min
Response: -18523219
Conc: N.D.



#16 DCPA

R.T.: 11.651 min
Delta R.T.: -0.022 min
Response: 136667125
Conc: 6.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



#16 DCPA

R.T.: 0.000 min
Exp R.T. : 12.320 min
Response: 0
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031513.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 01:10
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 20 06:26:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.286	7.742	2409.7E6	615.2E6	759.193	727.703
	Target Compounds						
1) T	Dalapon	2.672	2.695	3185.9E6	1625.8E6	606.953	610.971
2) T	3,5-DICHL...	6.453	6.694	3362.5E6	926.6E6	712.650	685.419
3) T	4-Nitroph...	7.091	7.287	623.7E6	762.0E6	604.506	606.260
5) T	DICAMBA	7.472	7.940	9991.3E6	3971.3E6	715.378	698.840
6) T	MCPP	7.651	8.038	557.9E6	118.9E6	69.348	67.263
7) T	MCPA	7.801	8.286	723.2E6	181.9E6	72.602	64.830
8) T	DICHLORPROP	8.180	8.659	2263.1E6	921.6E6	713.354	690.320
9) T	2,4-D	8.413	8.998	2197.8E6	924.8E6	763.983	647.969
10) T	Pentachlo...	8.712	9.510	37059.8E6	25713.9E6	771.880	738.301
11) T	2,4,5-TP ...	9.289	9.894	13577.7E6	9355.6E6	757.529	713.295
12) T	2,4,5-T	9.584	10.322	11352.9E6	8569.9E6	774.880	723.823
13) T	2,4-DB	10.158	10.889	1639.2E6	649.0E6	852.984	672.683
14) T	DINOSEB	11.360	11.268	8971.8E6	6183.8E6	707.640	653.889
15) T	Picloram	11.183	12.386	10630.0E6	13296.3E6	814.300	758.501
16) T	DCPA	11.660	12.311	17737.1E6	14849.8E6	778.649	753.784

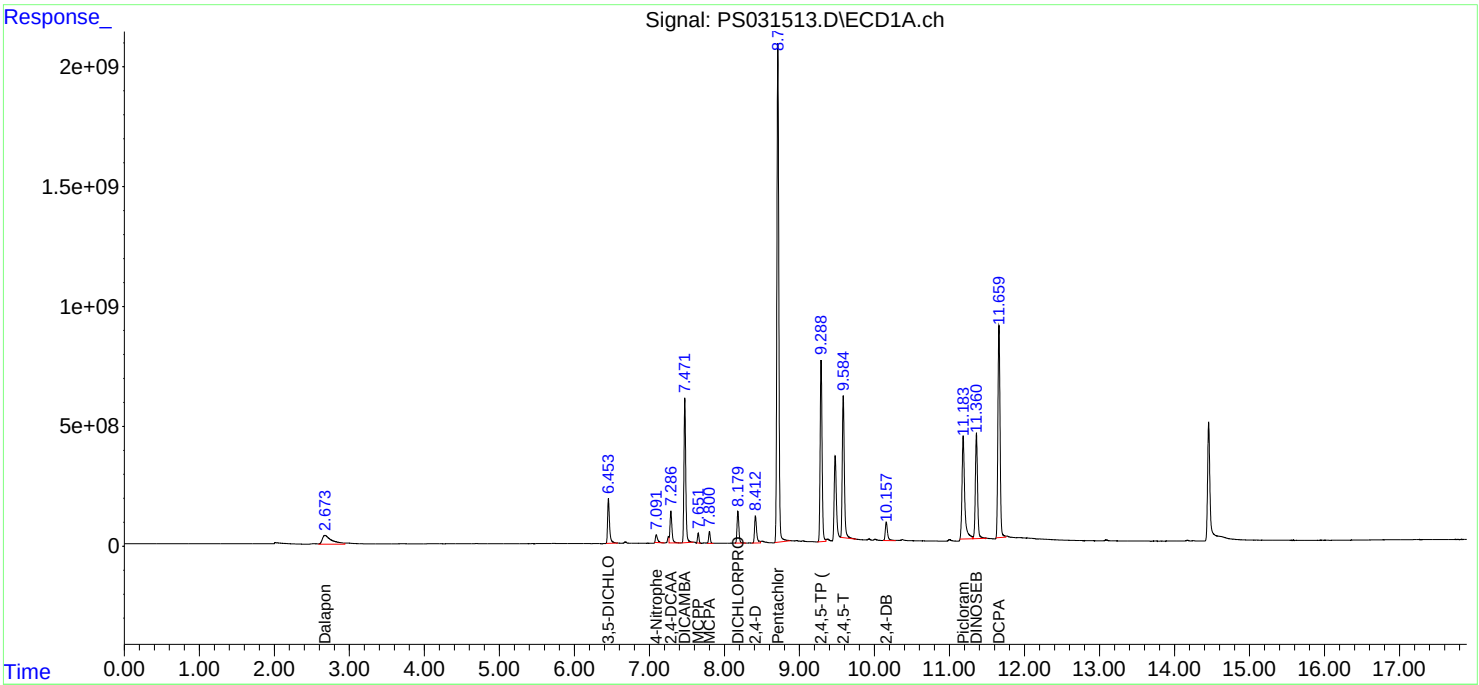
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

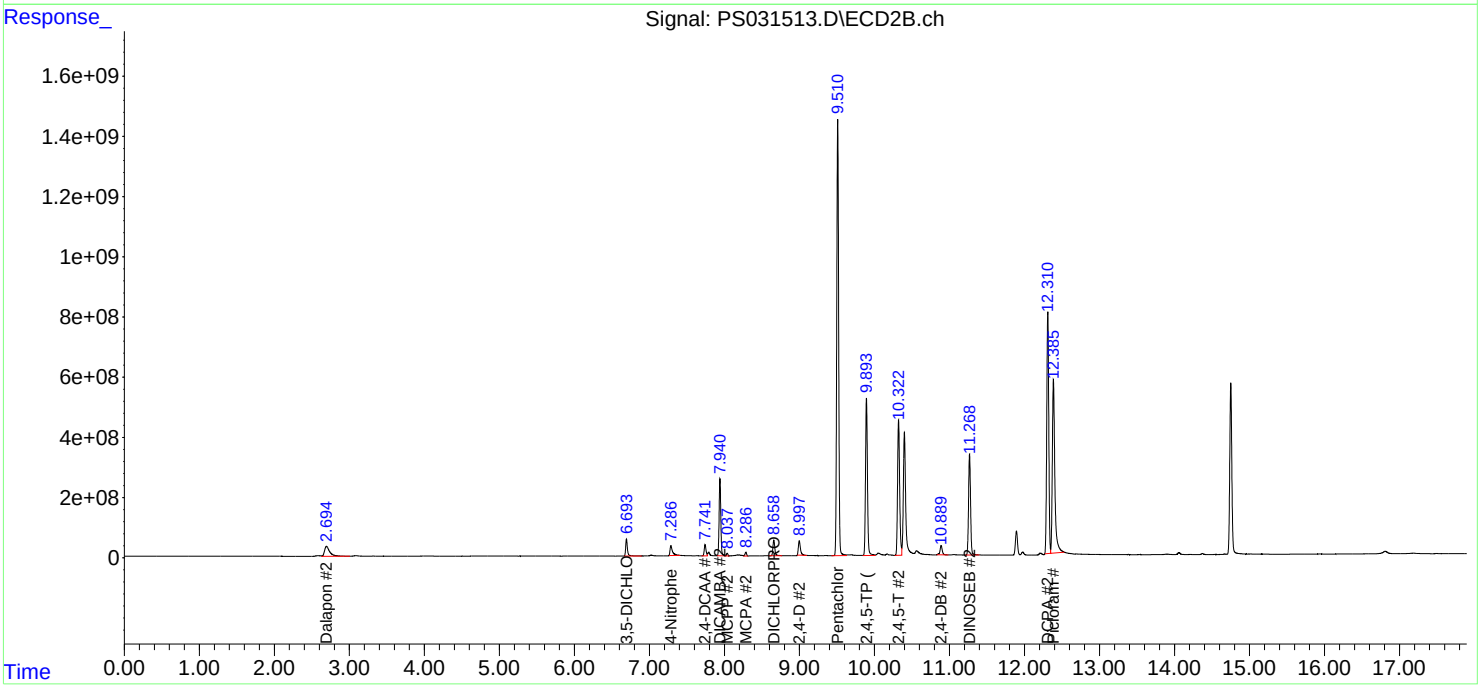
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS081925\
Data File : PS031513.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 01:10
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

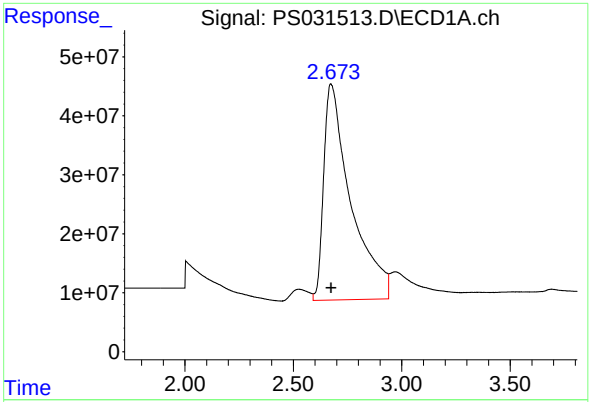
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 06:26:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



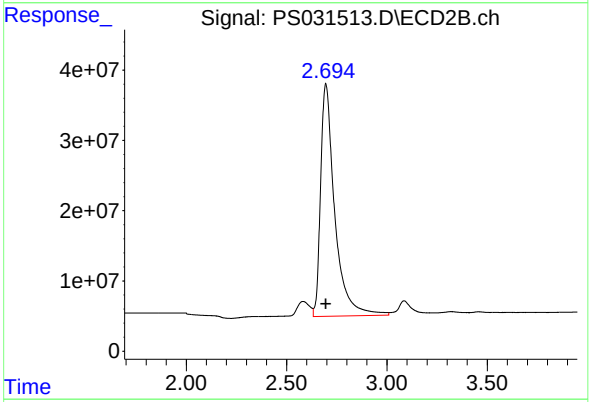




#1 Dalapon

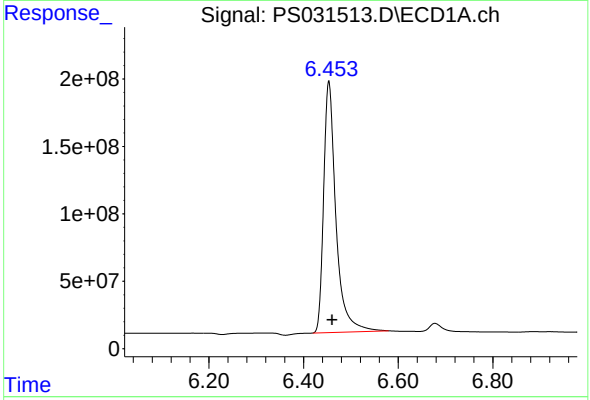
R.T.: 2.672 min
Delta R.T.: -0.002 min
Response: 3185855949
Conc: 606.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



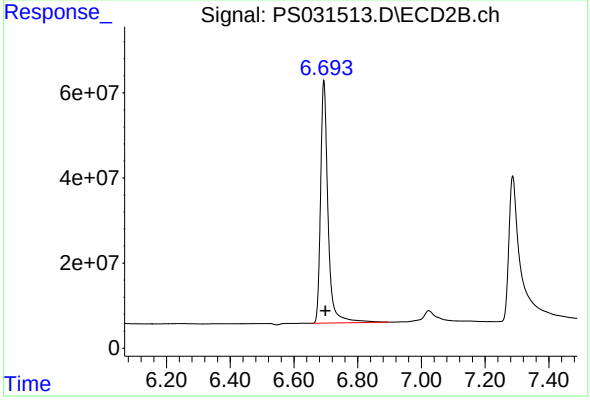
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: 0.000 min
Response: 1625801928
Conc: 610.97 ng/ml



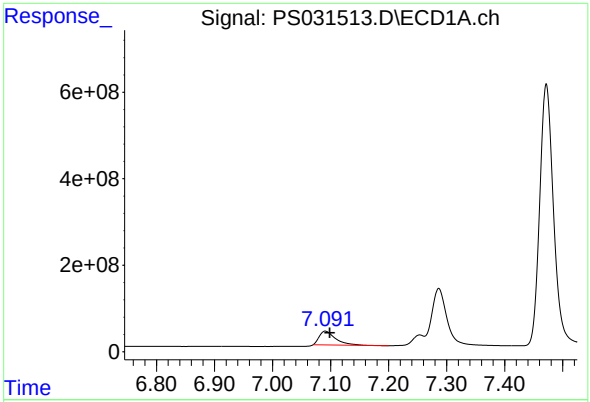
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.453 min
Delta R.T.: -0.007 min
Response: 3362505108
Conc: 712.65 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

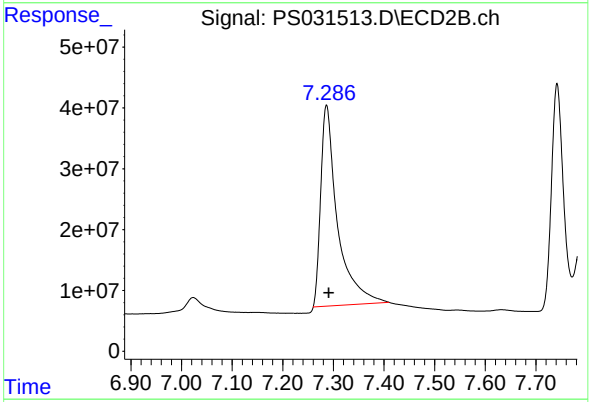
R.T.: 6.694 min
Delta R.T.: -0.005 min
Response: 926638341
Conc: 685.42 ng/ml



#3 4-Nitrophenol

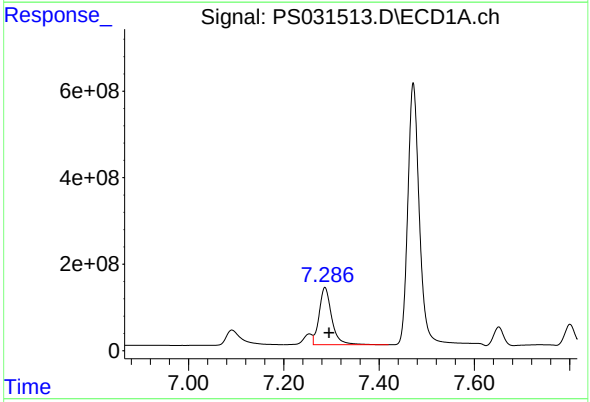
R.T.: 7.091 min
Delta R.T.: -0.007 min
Response: 623656822
Conc: 604.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



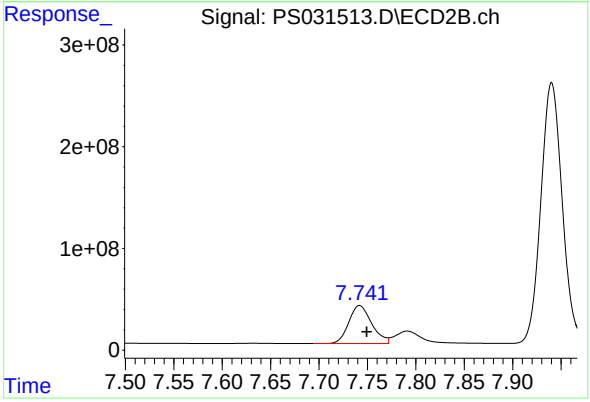
#3 4-Nitrophenol

R.T.: 7.287 min
Delta R.T.: -0.004 min
Response: 762002249
Conc: 606.26 ng/ml



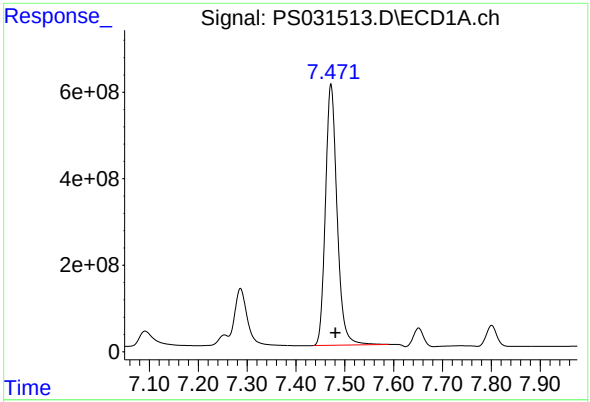
#4 2,4-DCAA

R.T.: 7.286 min
Delta R.T.: -0.009 min
Response: 2409670662
Conc: 759.19 ng/ml



#4 2,4-DCAA

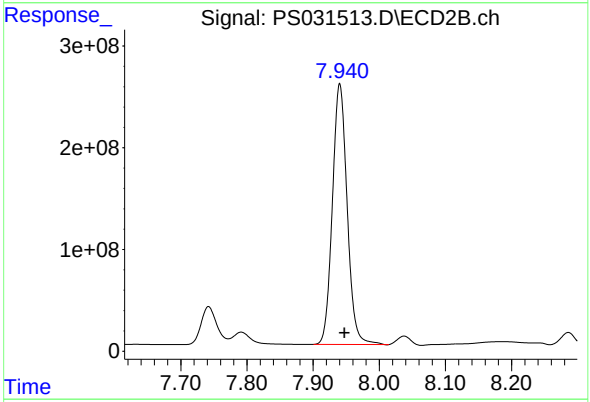
R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 615156354
Conc: 727.70 ng/ml



#5 DICAMBA

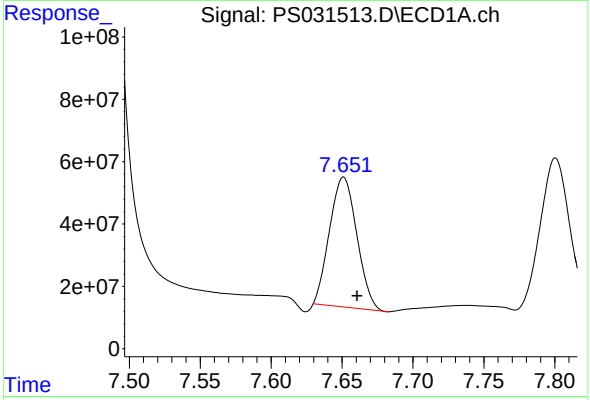
R.T.: 7.472 min
Delta R.T.: -0.009 min
Response: 9991305962
Conc: 715.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



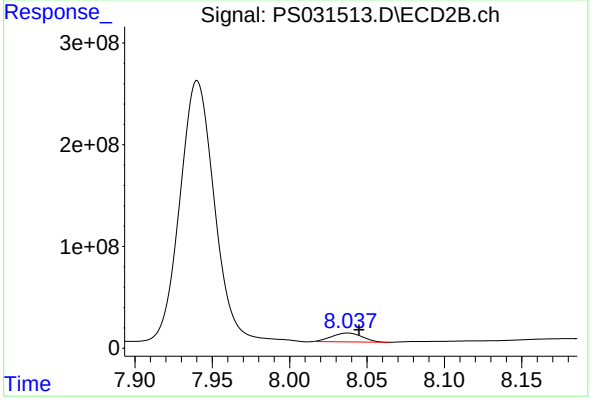
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: -0.007 min
Response: 3971293087
Conc: 698.84 ng/ml



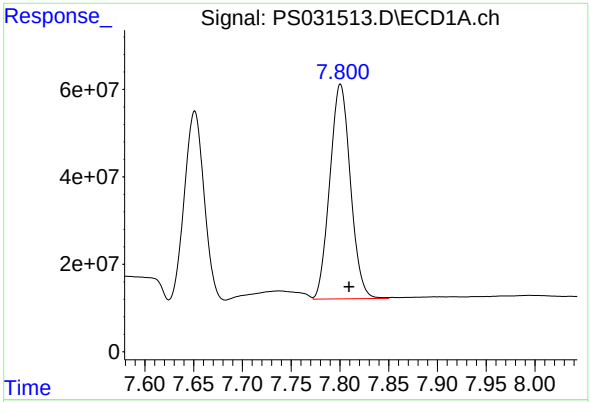
#6 MCPP

R.T.: 7.651 min
Delta R.T.: -0.009 min
Response: 557896922
Conc: 69.35 ug/ml



#6 MCPP

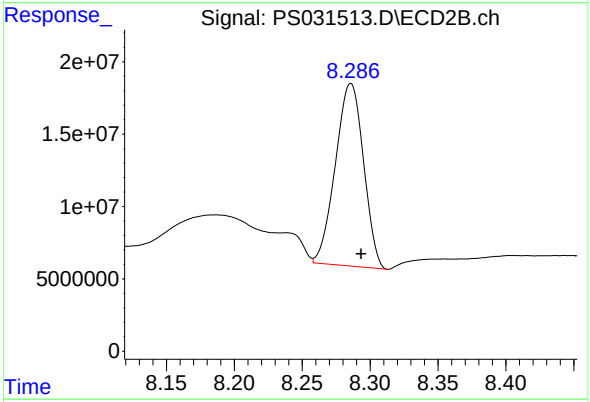
R.T.: 8.038 min
Delta R.T.: -0.007 min
Response: 118909253
Conc: 67.26 ug/ml



#7 MCPA

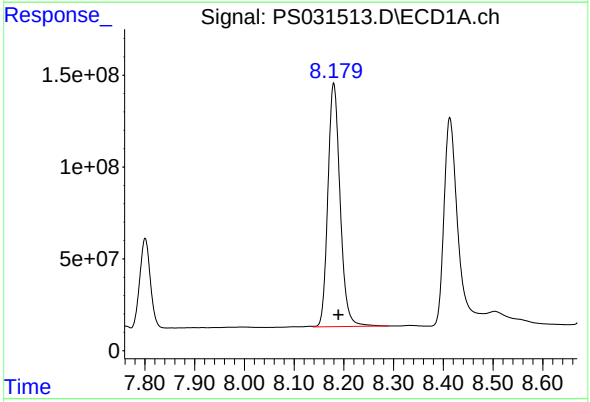
R.T.: 7.801 min
Delta R.T.: -0.009 min
Response: 723205998
Conc: 72.60 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



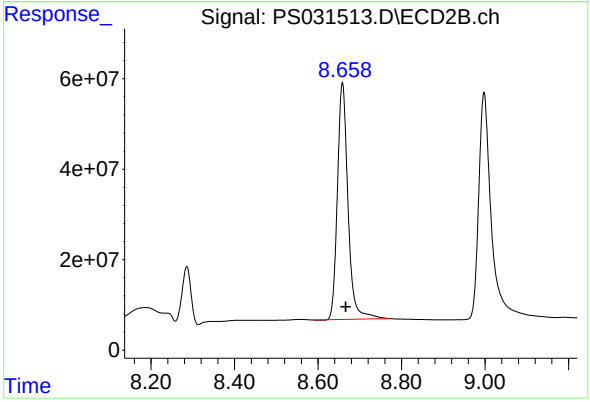
#7 MCPA

R.T.: 8.286 min
Delta R.T.: -0.008 min
Response: 181881563
Conc: 64.83 ug/ml



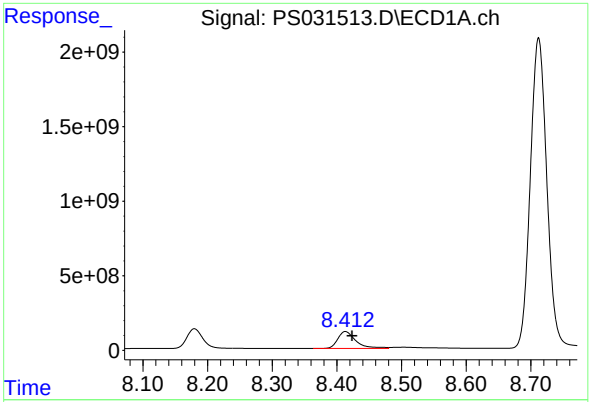
#8 DICHLORPROP

R.T.: 8.180 min
Delta R.T.: -0.010 min
Response: 2263064886
Conc: 713.35 ng/ml



#8 DICHLORPROP

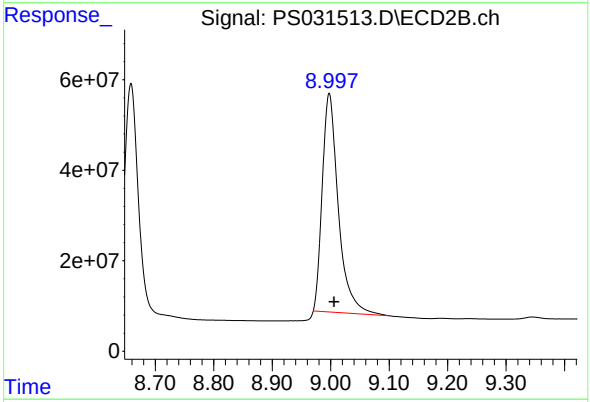
R.T.: 8.659 min
Delta R.T.: -0.008 min
Response: 921599762
Conc: 690.32 ng/ml



#9 2,4-D

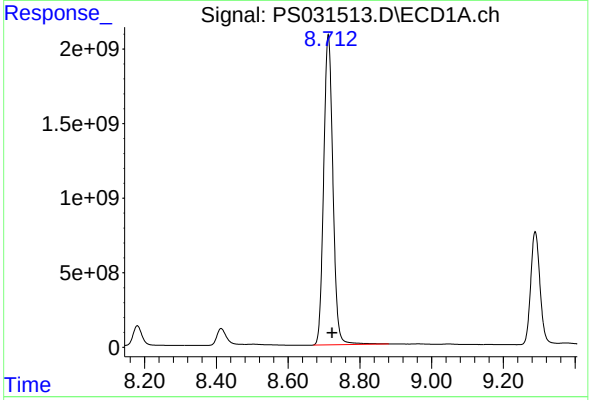
R.T.: 8.413 min
Delta R.T.: -0.011 min
Response: 2197837939
Conc: 763.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



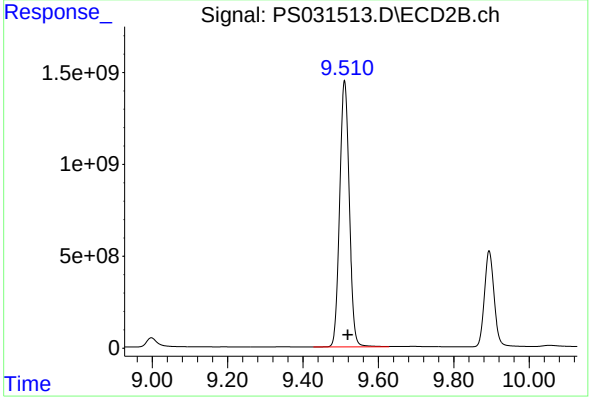
#9 2,4-D

R.T.: 8.998 min
Delta R.T.: -0.008 min
Response: 924837698
Conc: 647.97 ng/ml



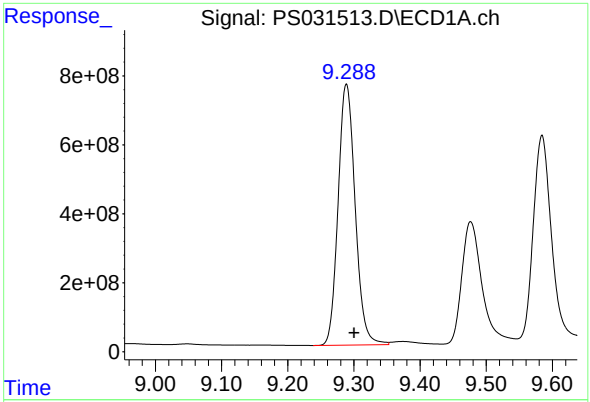
#10 Pentachlorophenol

R.T.: 8.712 min
Delta R.T.: -0.010 min
Response: 37059821555
Conc: 771.88 ng/ml



#10 Pentachlorophenol

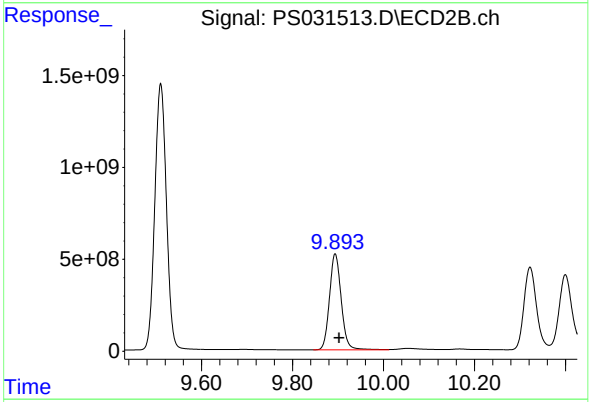
R.T.: 9.510 min
Delta R.T.: -0.008 min
Response: 25713859675
Conc: 738.30 ng/ml



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

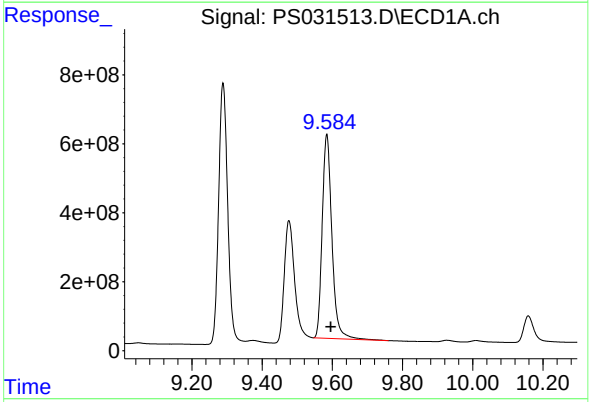
R.T.: 9.289 min
Delta R.T.: -0.011 min
Response: 13577724138
Conc: 757.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



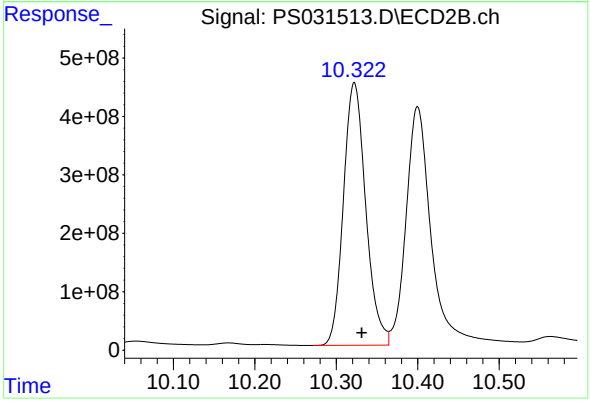
#11 2,4,5-TP (SILVEX)

R.T.: 9.894 min
Delta R.T.: -0.009 min
Response: 9355594121
Conc: 713.29 ng/ml



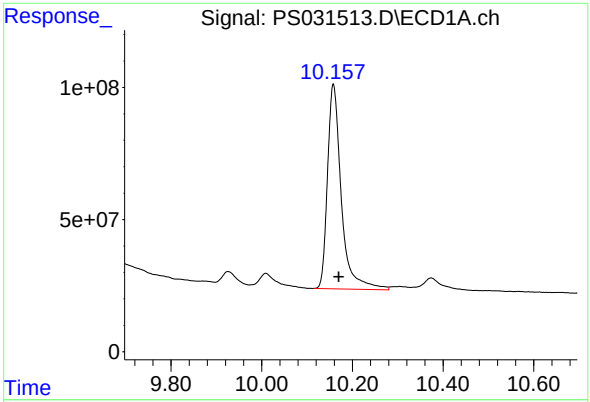
#12 2,4,5-T

R.T.: 9.584 min
Delta R.T.: -0.011 min
Response: 11352940185
Conc: 774.88 ng/ml



#12 2,4,5-T

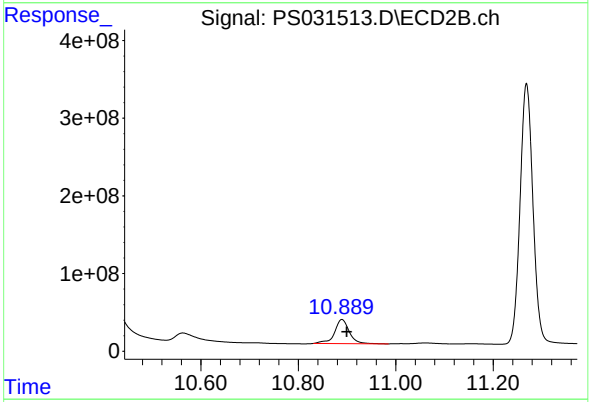
R.T.: 10.322 min
Delta R.T.: -0.009 min
Response: 8569895855
Conc: 723.82 ng/ml



#13 2,4-DB

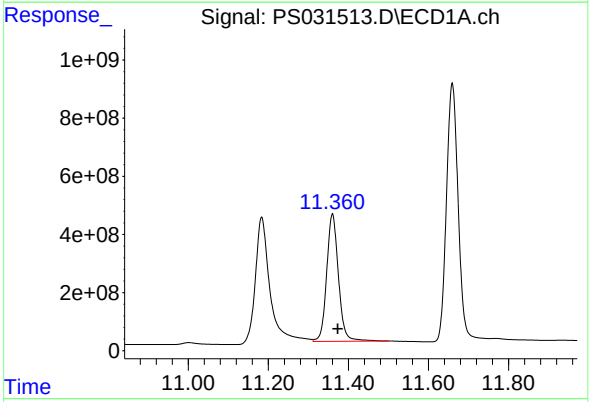
R.T.: 10.158 min
Delta R.T.: -0.012 min
Response: 1639197540
Conc: 852.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



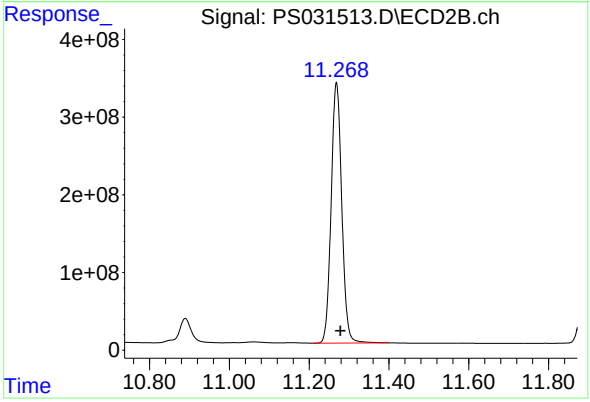
#13 2,4-DB

R.T.: 10.889 min
Delta R.T.: -0.010 min
Response: 649035180
Conc: 672.68 ng/ml



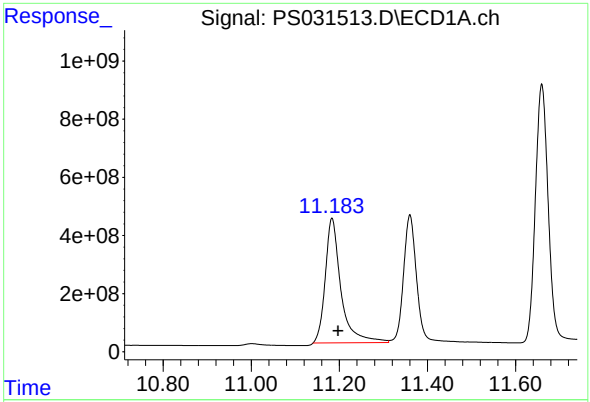
#14 DINOSEB

R.T.: 11.360 min
Delta R.T.: -0.013 min
Response: 8971798806
Conc: 707.64 ng/ml



#14 DINOSEB

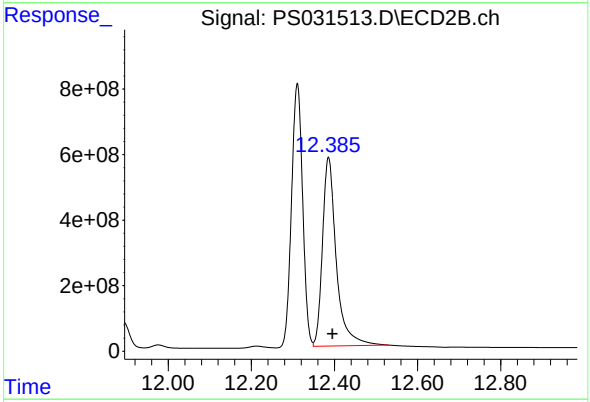
R.T.: 11.268 min
Delta R.T.: -0.010 min
Response: 6183797615
Conc: 653.89 ng/ml



#15 Picloram

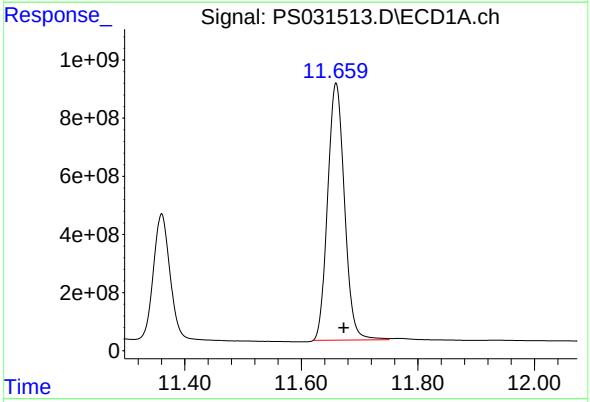
R.T.: 11.183 min
Delta R.T.: -0.014 min
Response: 10629998778
Conc: 814.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



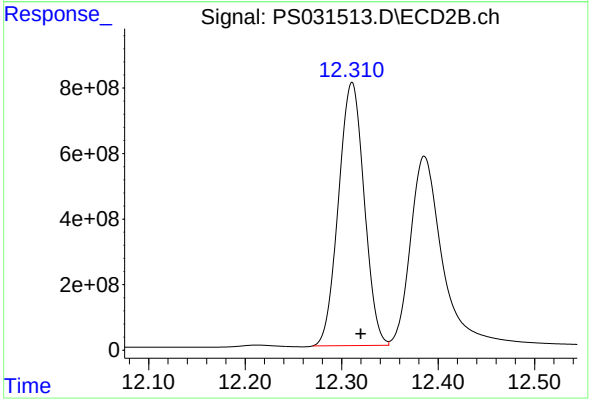
#15 Picloram

R.T.: 12.386 min
Delta R.T.: -0.010 min
Response: 13296324669
Conc: 758.50 ng/ml



#16 DCPA

R.T.: 11.660 min
Delta R.T.: -0.013 min
Response: 17737088944
Conc: 778.65 ng/ml



#16 DCPA

R.T.: 12.311 min
Delta R.T.: -0.009 min
Response: 14849844073
Conc: 753.78 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 09:05
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 20 10:55:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.288	7.743	2356.8E6	588.1E6	742.542	695.716
	Target Compounds						
1) T	Dalapon	2.675	2.695	3083.8E6	1528.6E6	587.517	574.457
2) T	3,5-DICHL...	6.455	6.695	3304.6E6	911.8E6	700.382	674.446
3) T	4-Nitroph...	7.096	7.290	670.8E6	736.1E6	650.163	585.618
5) T	DICAMBA	7.473	7.940	9804.5E6	3840.3E6	702.000	675.788
6) T	MCPP	7.652	8.037	547.7E6	108.3E6	68.078	61.286
7) T	MCPA	7.801	8.285	700.4E6	177.3E6	70.313	63.204
8) T	DICHLORPROP	8.181	8.659	2210.2E6	895.9E6	696.675	671.042
9) T	2,4-D	8.416	8.999	2069.6E6	911.8E6	719.392	638.836
10) T	Pentachlo...	8.713	9.511	36284.7E6	25110.6E6	755.736	720.981
11) T	2,4,5-TP ...	9.290	9.895	13222.2E6	9134.8E6	737.695	696.463
12) T	2,4,5-T	9.586	10.323	11173.3E6	8194.2E6	762.617	692.095
13) T	2,4-DB	10.162	10.891	1460.8E6	622.3E6	760.136	645.005
14) T	DINOSEB	11.362	11.269	9153.8E6	6281.9E6	721.992	664.261
15) T	Picloram	11.188	12.388	9476.9E6	12049.7E6	725.965	687.386
16) T	DCPA	11.660	12.310	17432.2E6	14399.4E6	765.265	730.919

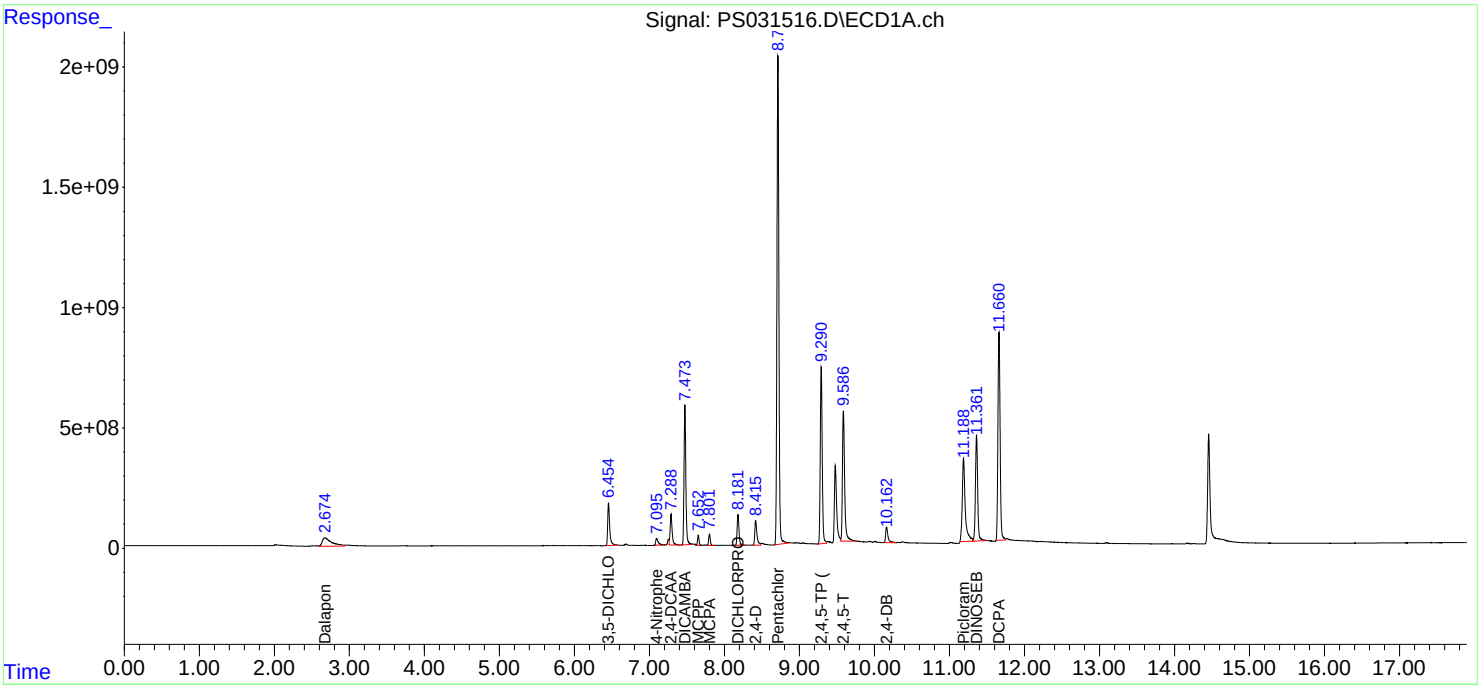
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

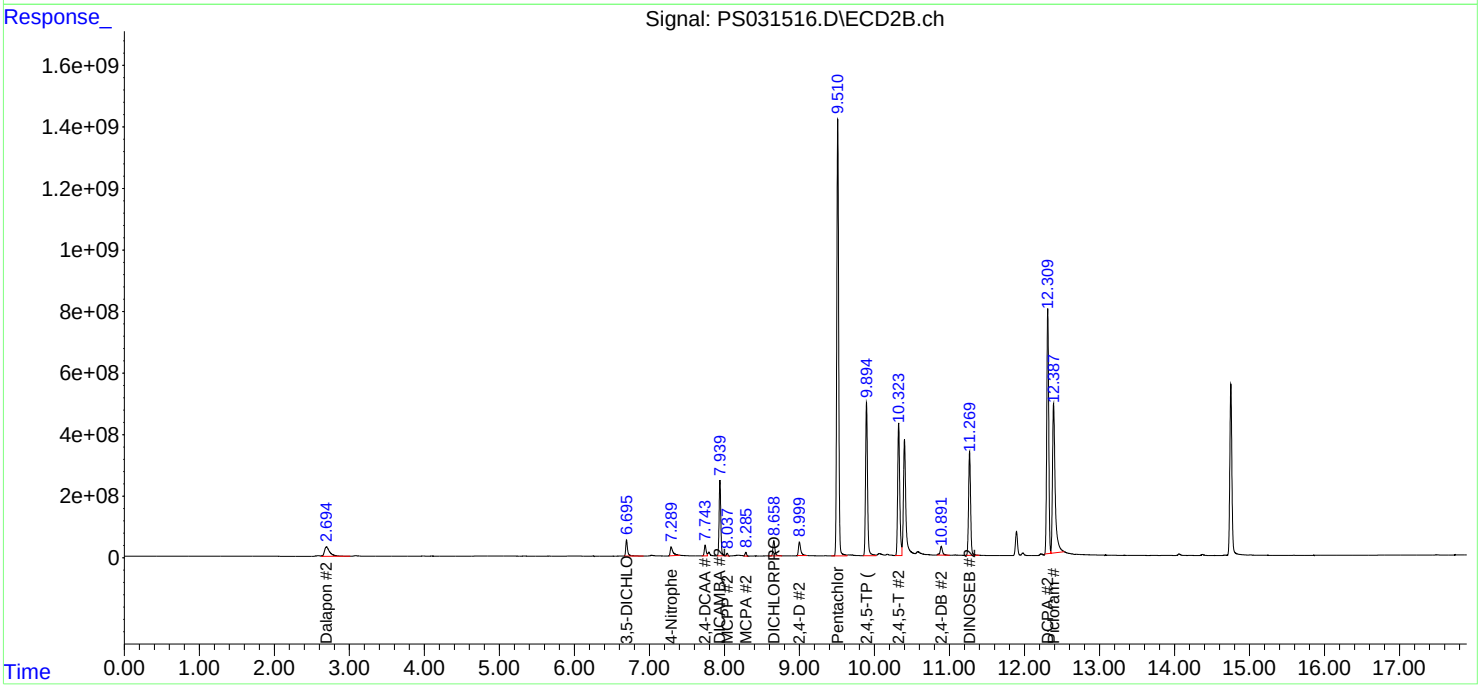
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 09:05
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

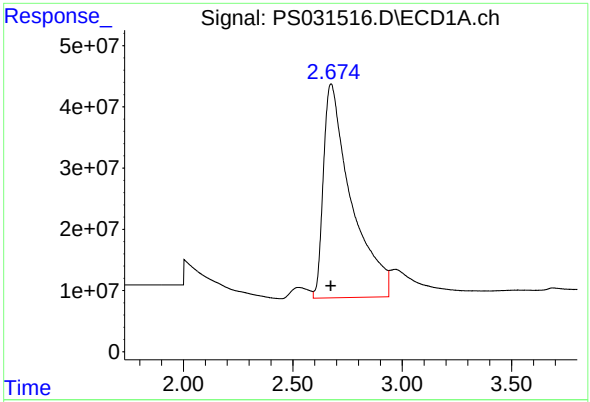
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:55:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



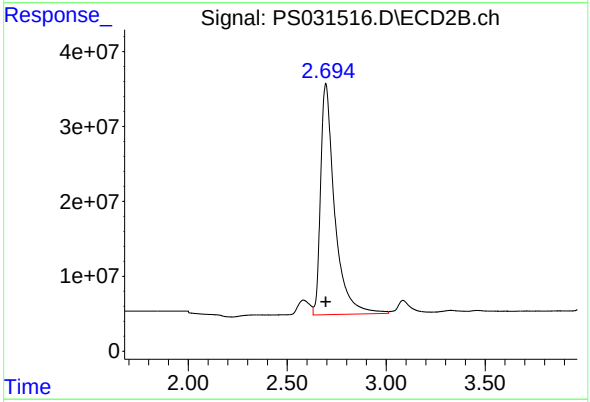




#1 Dalapon

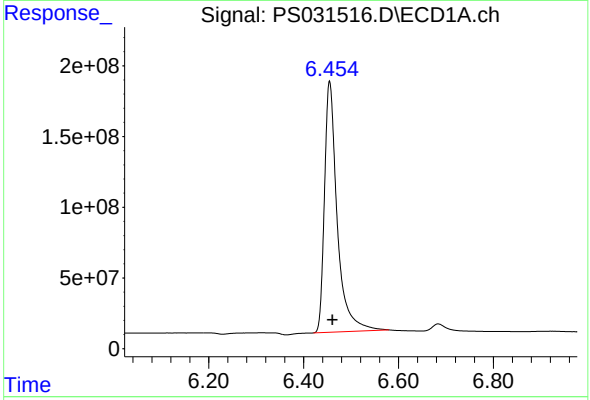
R.T.: 2.675 min
Delta R.T.: 0.000 min
Response: 3083840747
Conc: 587.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



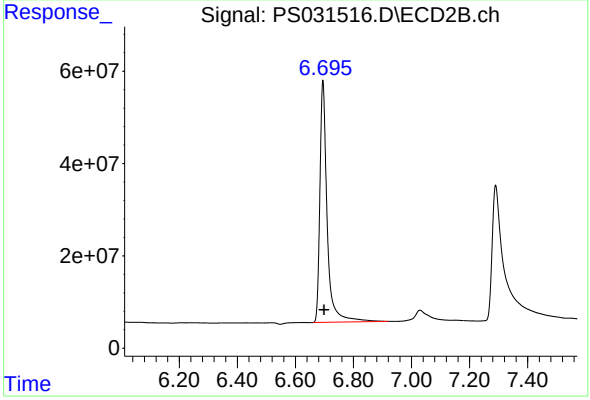
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: 0.000 min
Response: 1528636127
Conc: 574.46 ng/ml



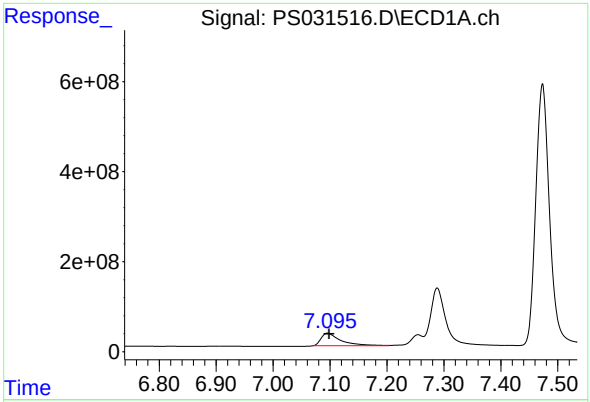
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.455 min
Delta R.T.: -0.006 min
Response: 3304621449
Conc: 700.38 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

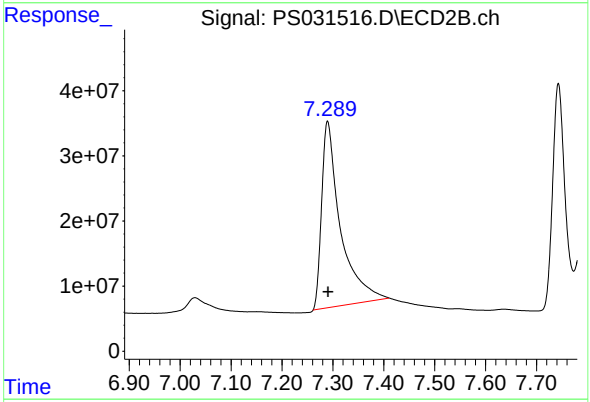
R.T.: 6.695 min
Delta R.T.: -0.004 min
Response: 911803828
Conc: 674.45 ng/ml



#3 4-Nitrophenol

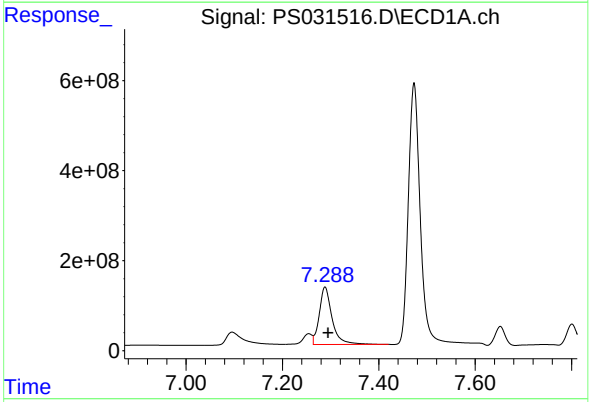
R.T.: 7.096 min
Delta R.T.: -0.003 min
Response: 670759463
Conc: 650.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



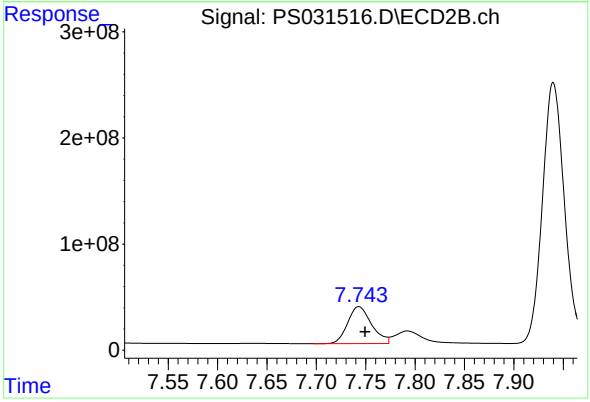
#3 4-Nitrophenol

R.T.: 7.290 min
Delta R.T.: 0.000 min
Response: 736057800
Conc: 585.62 ng/ml



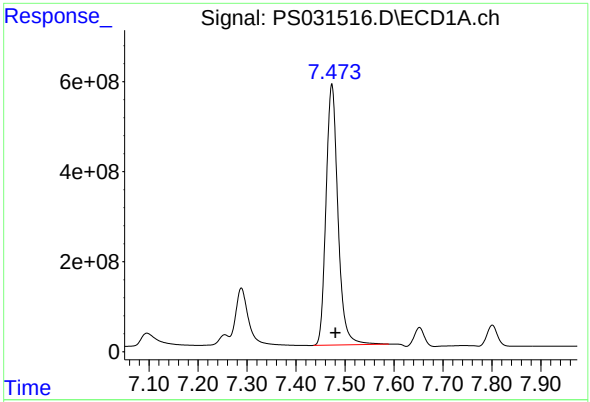
#4 2,4-DCAA

R.T.: 7.288 min
Delta R.T.: -0.006 min
Response: 2356819583
Conc: 742.54 ng/ml



#4 2,4-DCAA

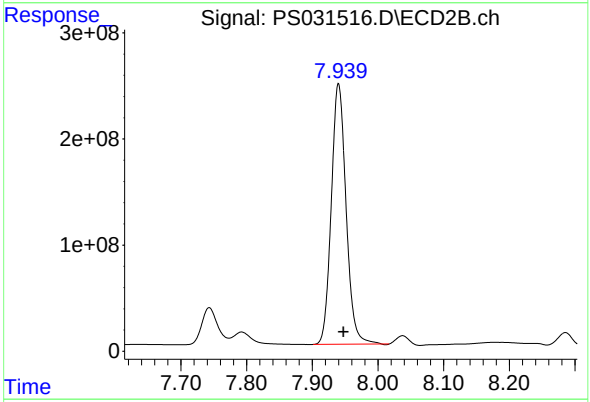
R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 588116174
Conc: 695.72 ng/ml



#5 DICAMBA

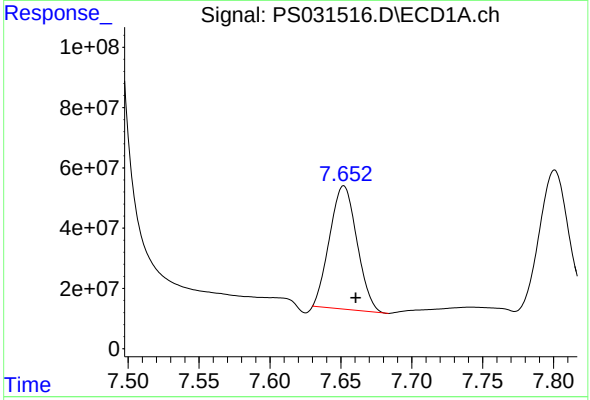
R.T.: 7.473 min
Delta R.T.: -0.008 min
Response: 9804455630
Conc: 702.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



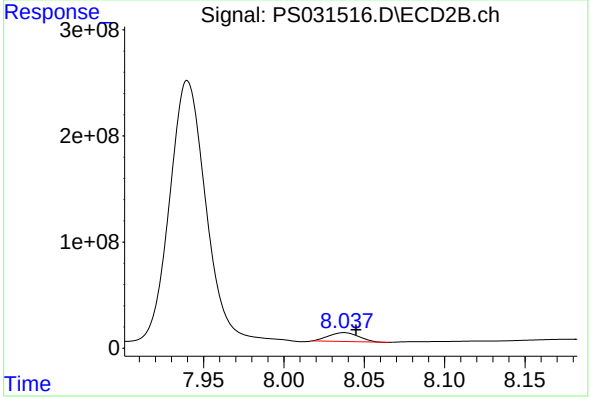
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: -0.007 min
Response: 3840293109
Conc: 675.79 ng/ml



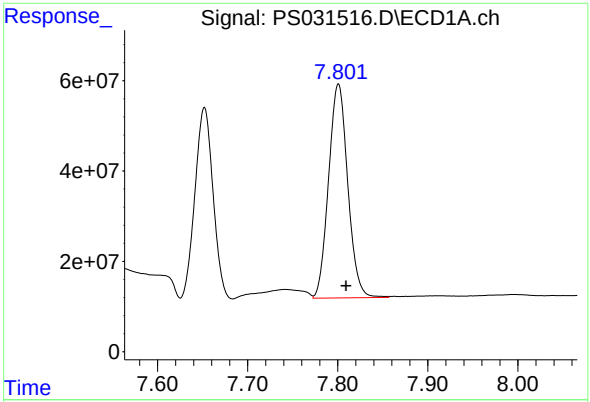
#6 MCPP

R.T.: 7.652 min
Delta R.T.: -0.009 min
Response: 547675821
Conc: 68.08 ug/ml



#6 MCPP

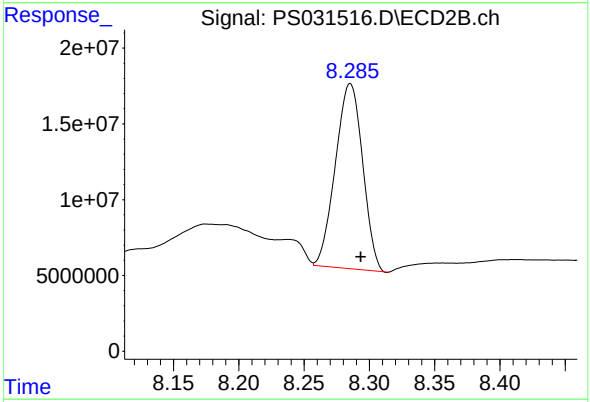
R.T.: 8.037 min
Delta R.T.: -0.008 min
Response: 108343066
Conc: 61.29 ug/ml



#7 MCPA

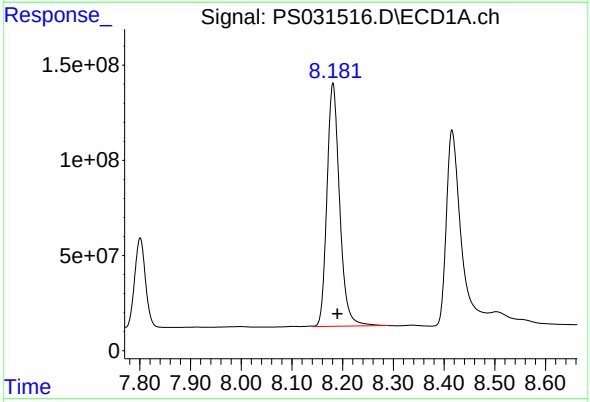
R.T.: 7.801 min
Delta R.T.: -0.009 min
Response: 700405911
Conc: 70.31 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



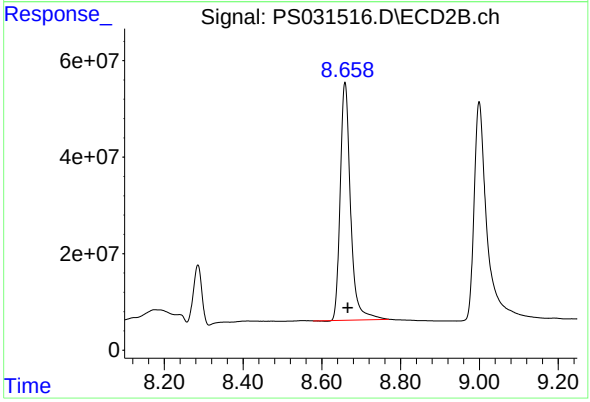
#7 MCPA

R.T.: 8.285 min
Delta R.T.: -0.008 min
Response: 177319023
Conc: 63.20 ug/ml



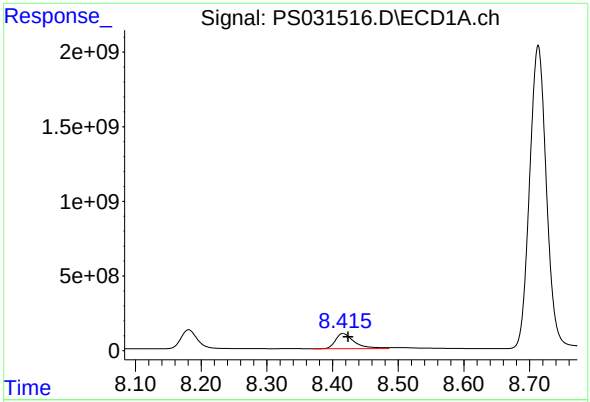
#8 DICHLORPROP

R.T.: 8.181 min
Delta R.T.: -0.009 min
Response: 2210152716
Conc: 696.68 ng/ml



#8 DICHLORPROP

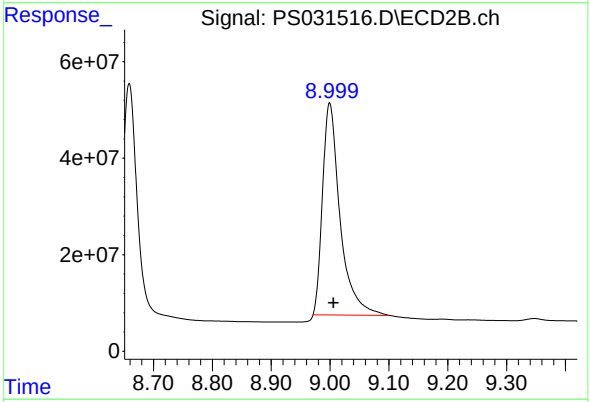
R.T.: 8.659 min
Delta R.T.: -0.007 min
Response: 895862910
Conc: 671.04 ng/ml



#9 2,4-D

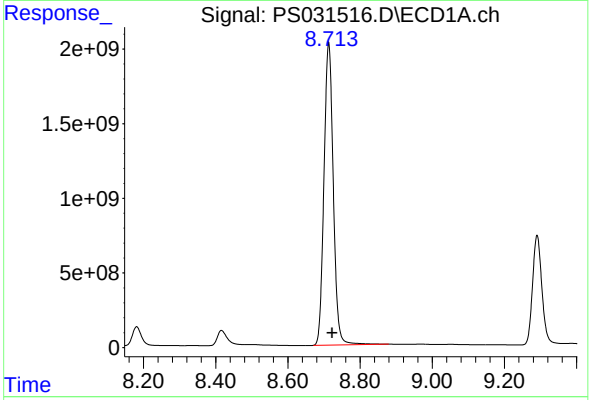
R.T.: 8.416 min
Delta R.T.: -0.008 min
Response: 2069557975
Conc: 719.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



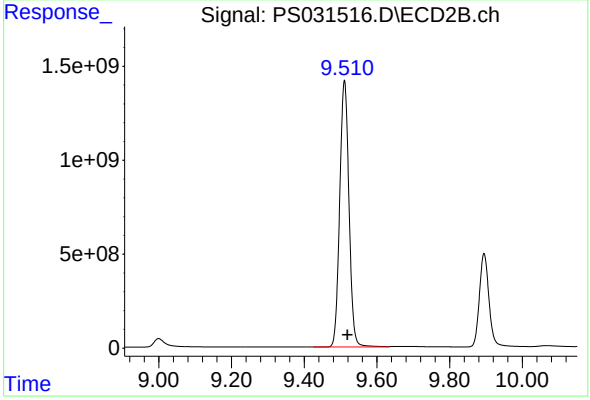
#9 2,4-D

R.T.: 8.999 min
Delta R.T.: -0.006 min
Response: 911802561
Conc: 638.84 ng/ml



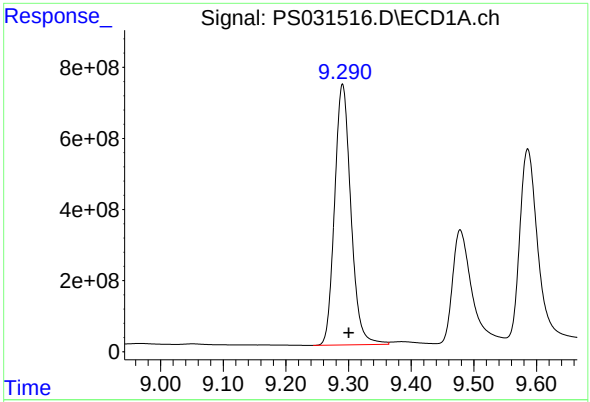
#10 Pentachlorophenol

R.T.: 8.713 min
Delta R.T.: -0.009 min
Response: 36284722690
Conc: 755.74 ng/ml



#10 Pentachlorophenol

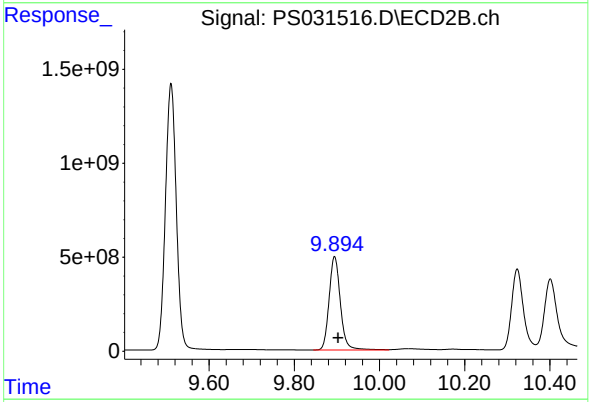
R.T.: 9.511 min
Delta R.T.: -0.008 min
Response: 25110618476
Conc: 720.98 ng/ml



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

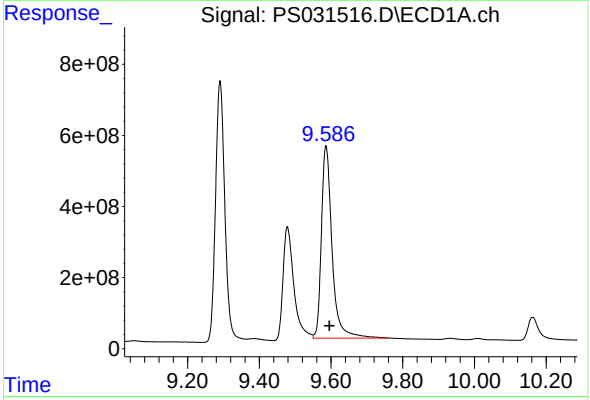
R.T.: 9.290 min
Delta R.T.: -0.010 min
Response: 13222235718
Conc: 737.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



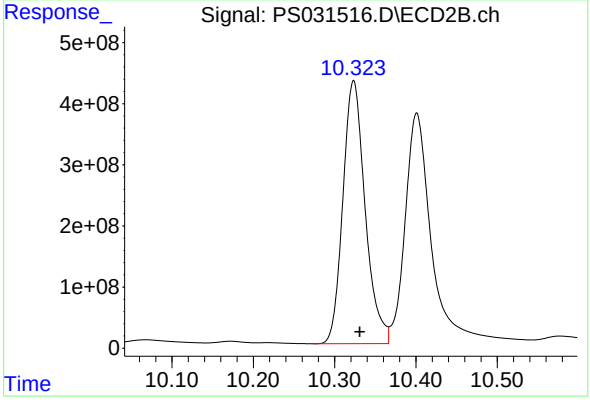
#11 2,4,5-TP (SILVEX)

R.T.: 9.895 min
Delta R.T.: -0.008 min
Response: 9134823467
Conc: 696.46 ng/ml



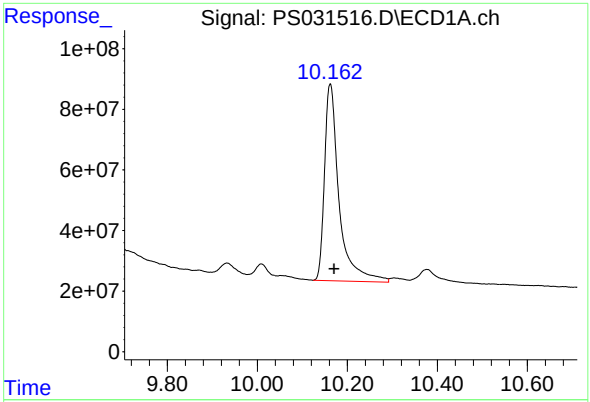
#12 2,4,5-T

R.T.: 9.586 min
Delta R.T.: -0.009 min
Response: 11173281117
Conc: 762.62 ng/ml



#12 2,4,5-T

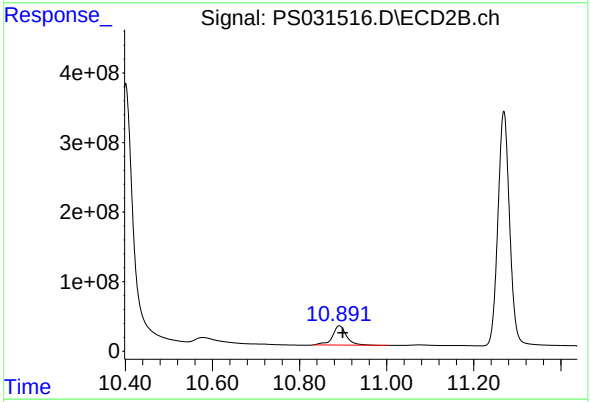
R.T.: 10.323 min
Delta R.T.: -0.008 min
Response: 8194243613
Conc: 692.10 ng/ml



#13 2,4-DB

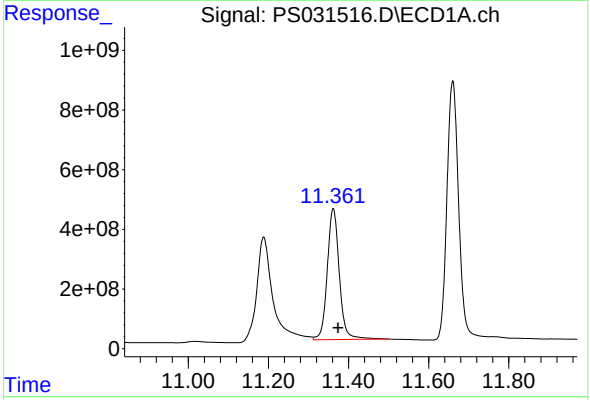
R.T.: 10.162 min
Delta R.T.: -0.008 min
Response: 1460768286
Conc: 760.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



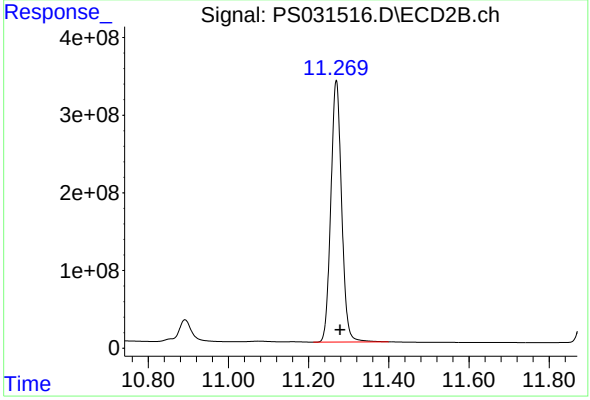
#13 2,4-DB

R.T.: 10.891 min
Delta R.T.: -0.008 min
Response: 622330214
Conc: 645.00 ng/ml



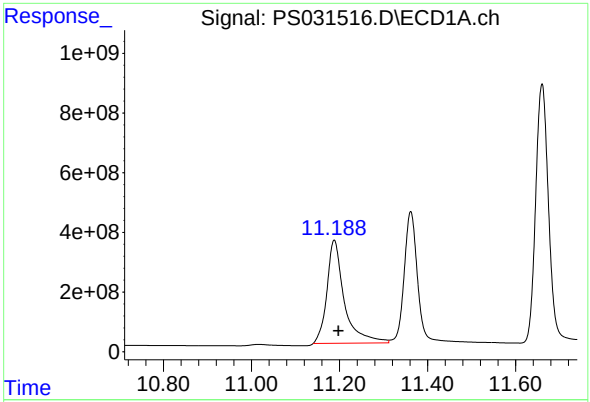
#14 DINOSEB

R.T.: 11.362 min
Delta R.T.: -0.012 min
Response: 9153763261
Conc: 721.99 ng/ml



#14 DINOSEB

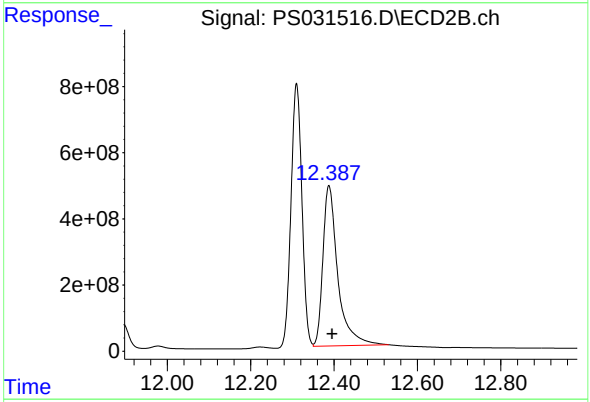
R.T.: 11.269 min
Delta R.T.: -0.009 min
Response: 6281885224
Conc: 664.26 ng/ml



#15 Picloram

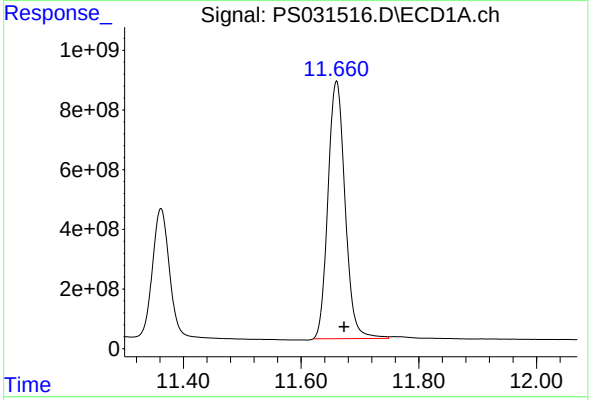
R.T.: 11.188 min
Delta R.T.: -0.009 min
Response: 9476859314
Conc: 725.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



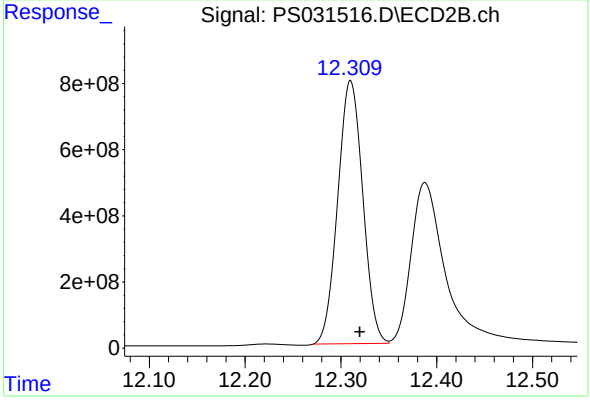
#15 Picloram

R.T.: 12.388 min
Delta R.T.: -0.008 min
Response: 12049683288
Conc: 687.39 ng/ml



#16 DCPA

R.T.: 11.660 min
Delta R.T.: -0.013 min
Response: 17432221221
Conc: 765.27 ng/ml



#16 DCPA

R.T.: 12.310 min
Delta R.T.: -0.010 min
Response: 14399387076
Conc: 730.92 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031517.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 09:29
Operator : AR\AJ
Sample : Q2879-03RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:56:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
4)	S	2,4-DCAA	7.288	7.745	308.4E6	142.4E6	97.167	168.470	#
		Target Compounds							
1)	T	Dalapon	2.647f	2.660f	1161.6E6	249.4E6	221.294	93.730	#
3)	T	4-Nitroph...	0.000	7.302	0	48075044	N.D.	38.249	
5)	T	DICAMBA	7.487	7.956	4894193	24893109	<MDL	4.381	#
6)	T	MCPP	7.666	8.054	28961541	112.0E6	3.600	63.375	#
7)	T	MCPA	7.821	8.258f	90412499	177.4E6	9.076	63.245	#
8)	T	DICHLORPROP	8.225f	8.636f	162.7E6	4520505	51.271	3.386	#
9)	T	2,4-D	8.398f	8.958f	22387413	6235197	7.782	4.369	#
10)	T	Pentachlo...	8.711	9.508	37104013	44156233	<MDL	1.268	#
11)	T	2,4,5-TP ...	9.293	9.877f	2443217	193.3E6	<MDL	14.735	#
12)	T	2,4,5-T	9.590	10.324	44888697	475.2E6	3.064	40.138	#
13)	T	2,4-DB	0.000	10.865f	0	74584379	N.D.	77.302	
14)	T	DINOSEB	11.384	11.281	47129729	565.7E6	3.717	59.814	#
15)	T	Picloram	11.198	12.393	158.1E6	116.2E6	12.112	6.628	#
16)	T	DCPA	11.655	0.000	27314758	0	1.199	N.D.	#

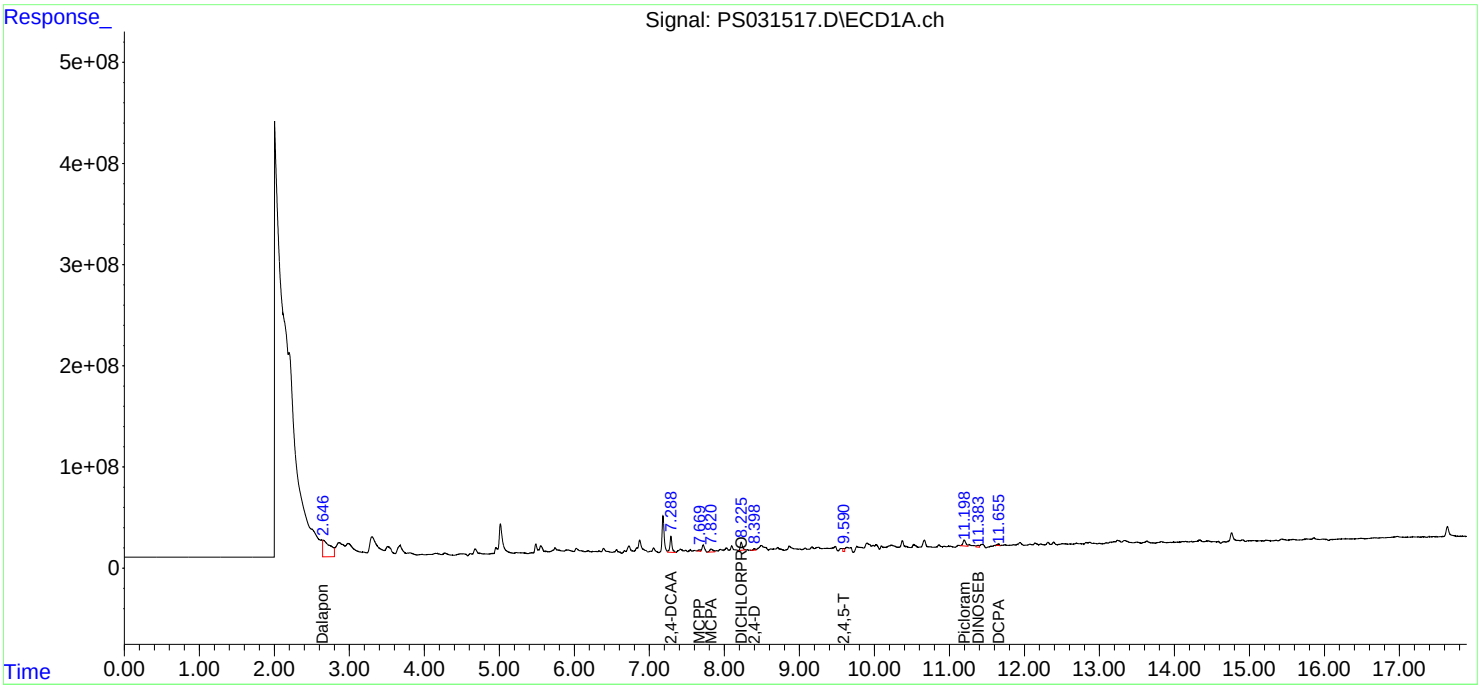
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

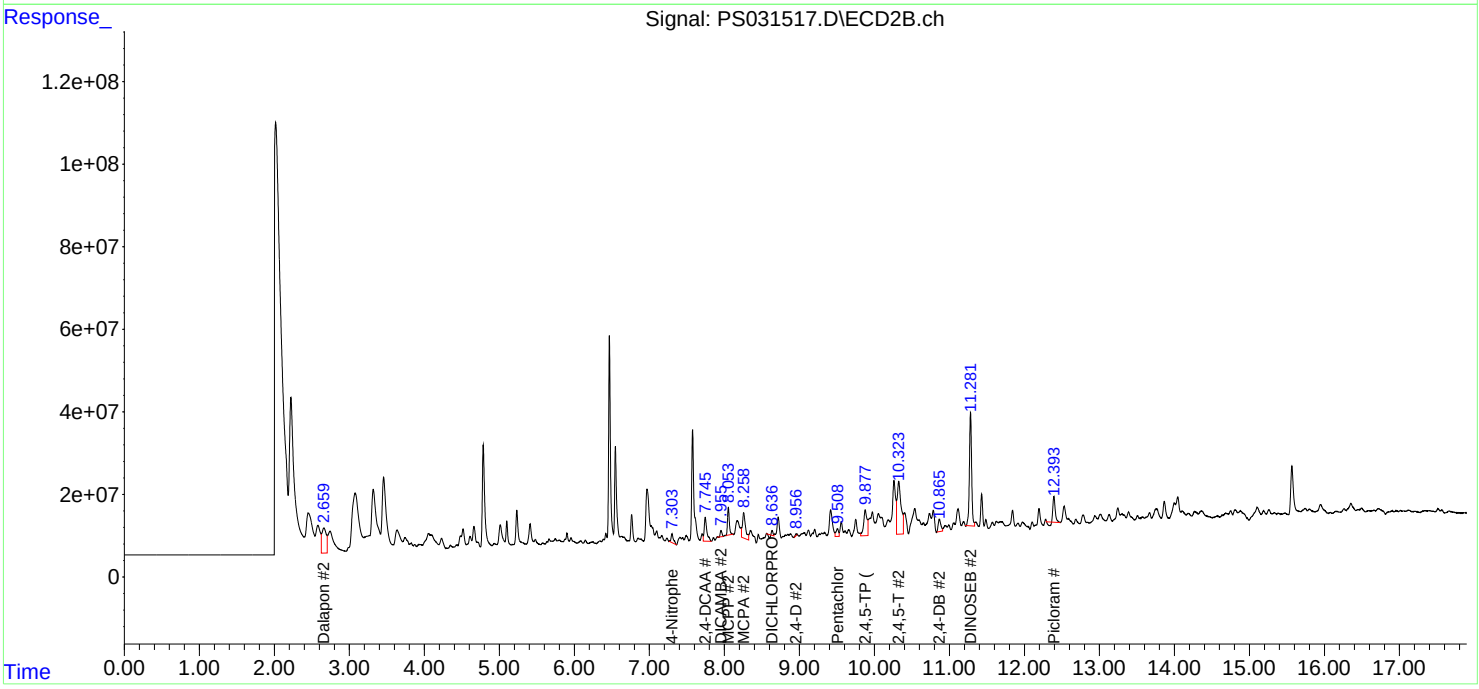
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031517.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 09:29
Operator : AR\AJ
Sample : Q2879-03RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

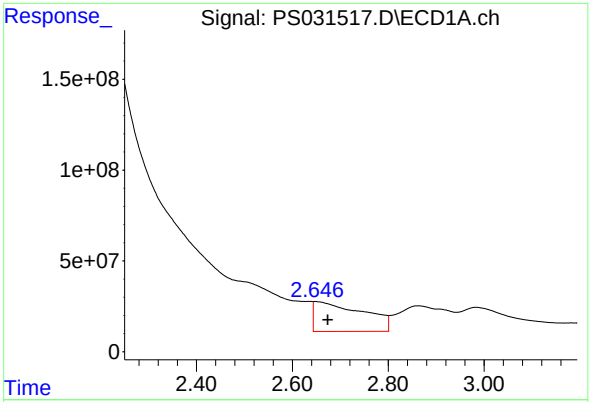
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:56:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



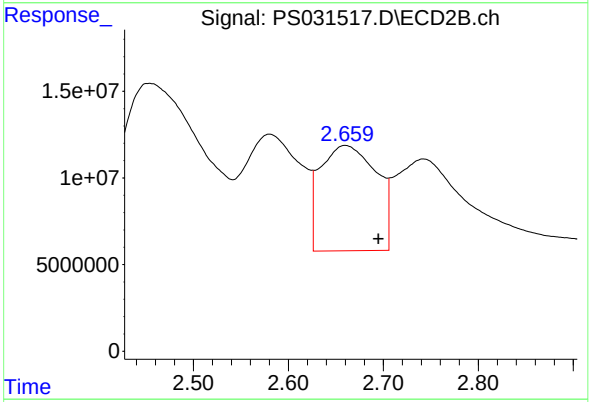




#1 Dalapon

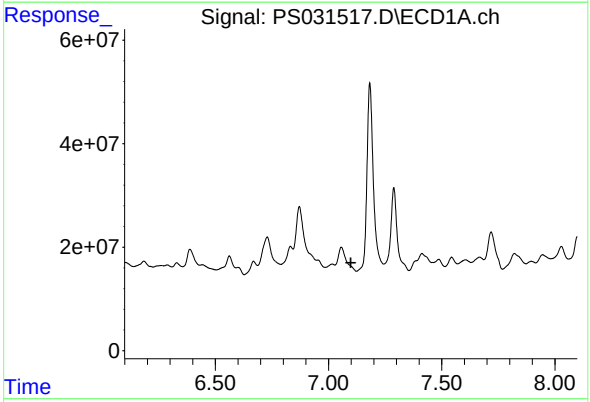
R.T.: 2.647 min
Delta R.T.: -0.027 min
Response: 1161558778
Conc: 221.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE



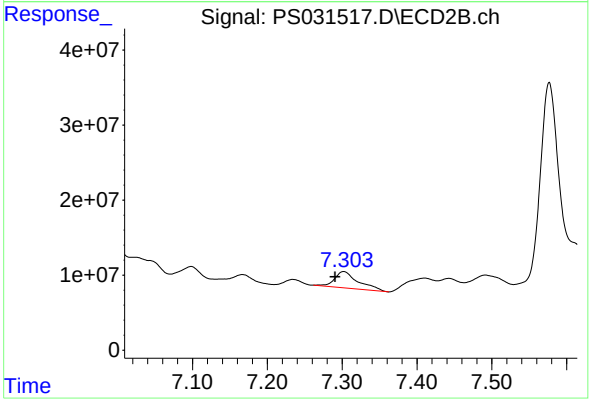
#1 Dalapon

R.T.: 2.660 min
Delta R.T.: -0.035 min
Response: 249415579
Conc: 93.73 ng/ml



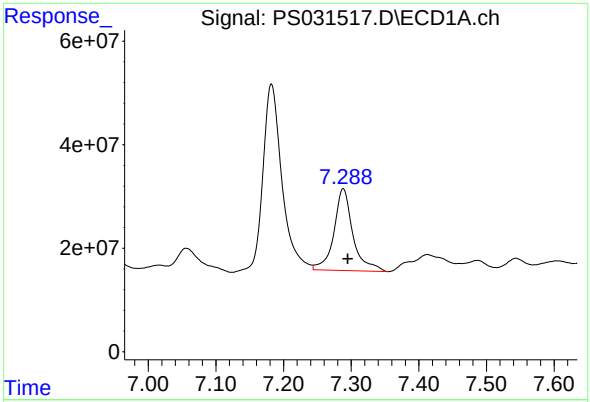
#3 4-Nitrophenol

R.T.: 0.000 min
Exp R.T. : 7.098 min
Response: 0
Conc: N.D.



#3 4-Nitrophenol

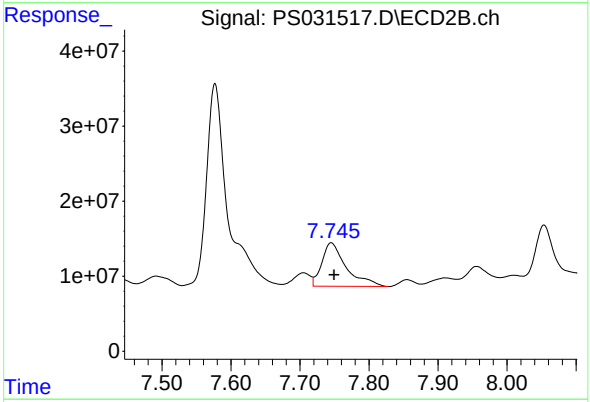
R.T.: 7.302 min
Delta R.T.: 0.011 min
Response: 48075044
Conc: 38.25 ng/ml



#4 2,4-DCAA

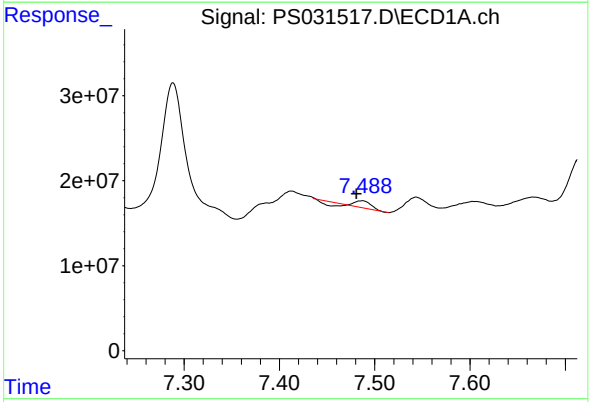
R.T.: 7.288 min
Delta R.T.: -0.007 min
Response: 308405883
Conc: 97.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE



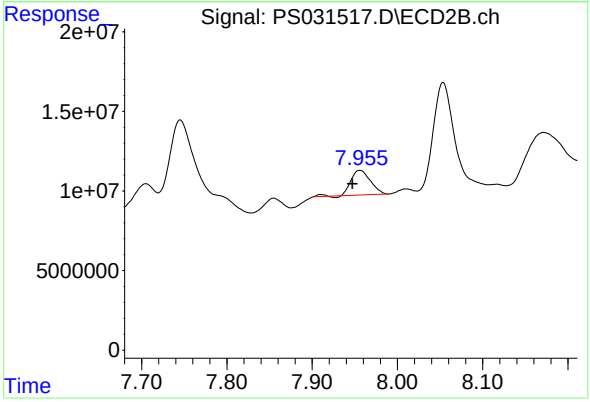
#4 2,4-DCAA

R.T.: 7.745 min
Delta R.T.: -0.004 min
Response: 142414338
Conc: 168.47 ng/ml



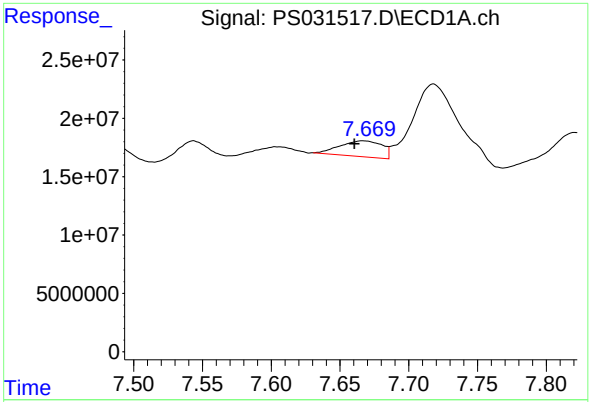
#5 DICAMBA

R.T.: 7.487 min
Delta R.T.: 0.006 min
Response: 4894193
Conc: N.D.



#5 DICAMBA

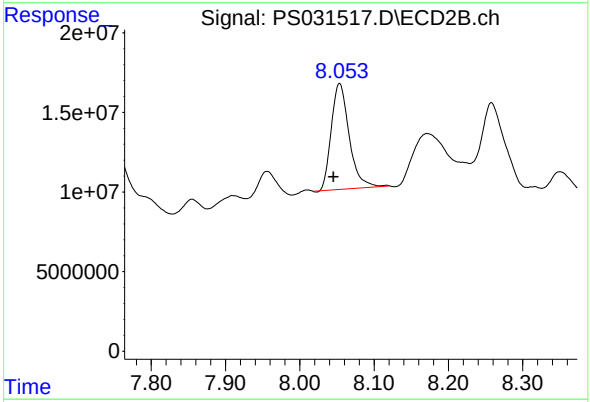
R.T.: 7.956 min
Delta R.T.: 0.009 min
Response: 24893109
Conc: 4.38 ng/ml



#6 MCPP

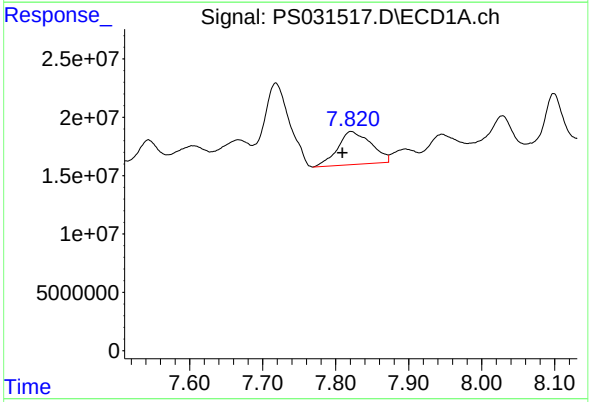
R.T.: 7.666 min
Delta R.T.: 0.006 min
Response: 28961541
Conc: 3.60 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE



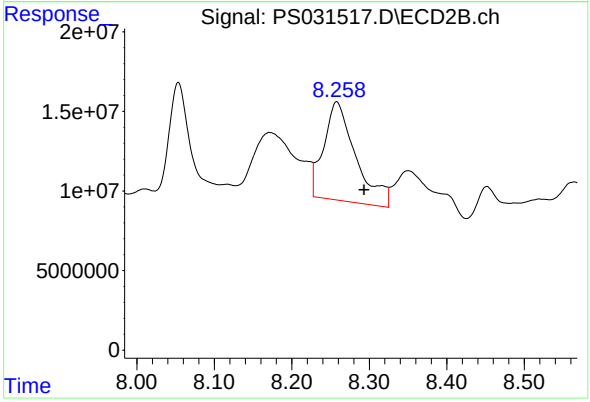
#6 MCPP

R.T.: 8.054 min
Delta R.T.: 0.009 min
Response: 112037105
Conc: 63.38 ug/ml



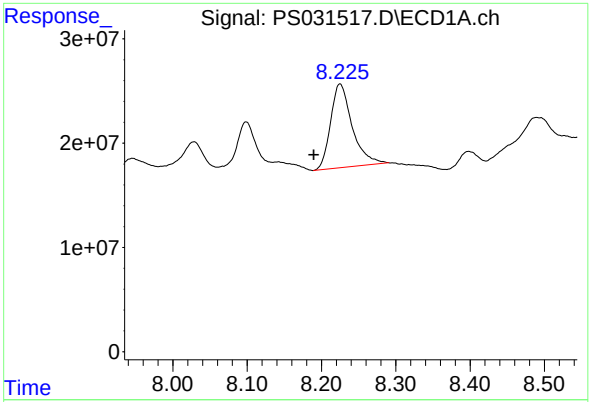
#7 MCPA

R.T.: 7.821 min
Delta R.T.: 0.012 min
Response: 90412499
Conc: 9.08 ug/ml



#7 MCPA

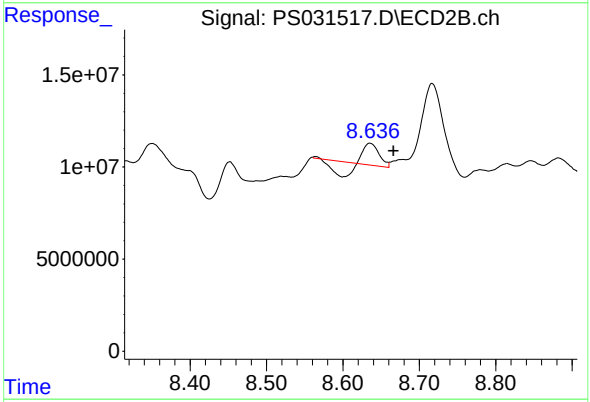
R.T.: 8.258 min
Delta R.T.: -0.035 min
Response: 177434662
Conc: 63.25 ug/ml



#8 DICHLORPROP

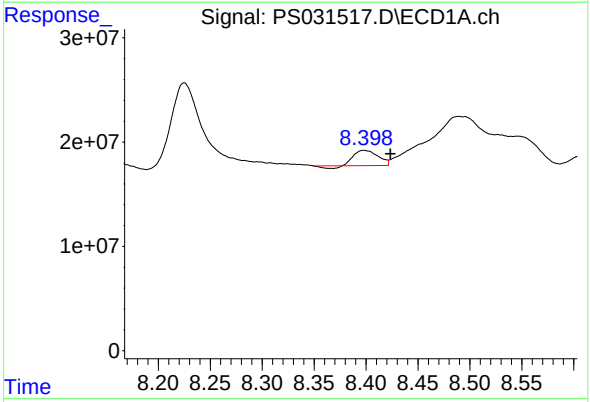
R.T.: 8.225 min
Delta R.T.: 0.035 min
Response: 162654557
Conc: 51.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE



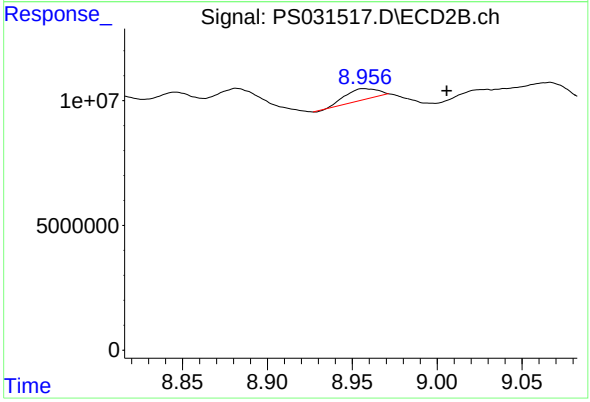
#8 DICHLORPROP

R.T.: 8.636 min
Delta R.T.: -0.030 min
Response: 4520505
Conc: 3.39 ng/ml



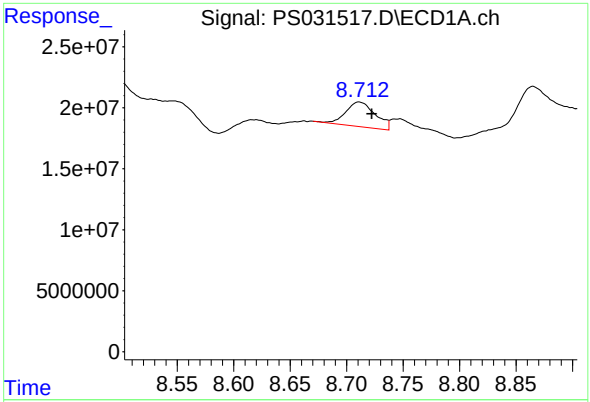
#9 2,4-D

R.T.: 8.398 min
Delta R.T.: -0.026 min
Response: 22387413
Conc: 7.78 ng/ml



#9 2,4-D

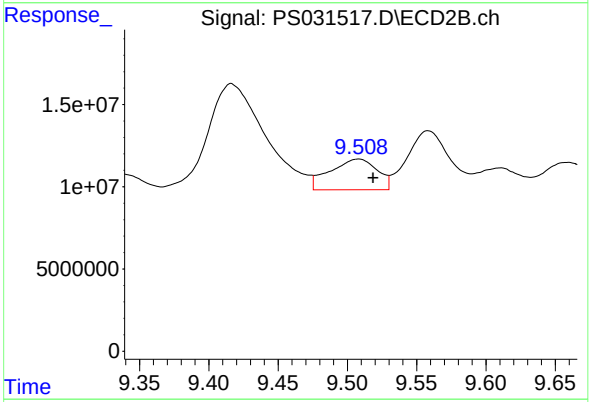
R.T.: 8.958 min
Delta R.T.: -0.048 min
Response: 6235197
Conc: 4.37 ng/ml



#10 Pentachlorophenol

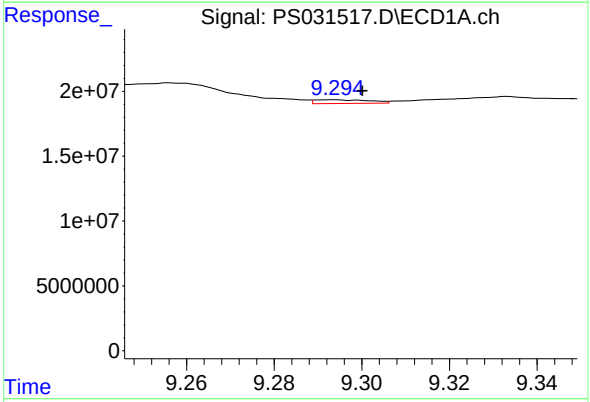
R.T.: 8.711 min
Delta R.T.: -0.011 min
Response: 37104013
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE



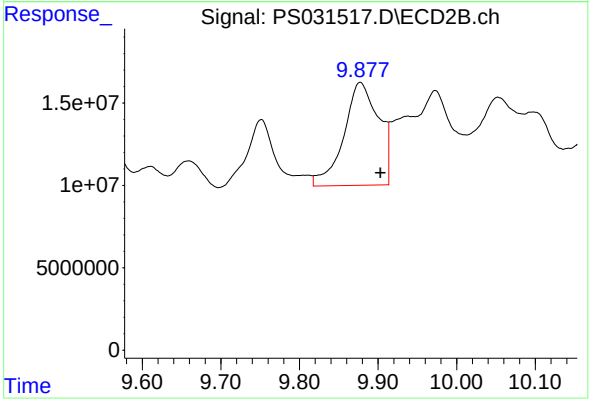
#10 Pentachlorophenol

R.T.: 9.508 min
Delta R.T.: -0.011 min
Response: 44156233
Conc: 1.27 ng/ml



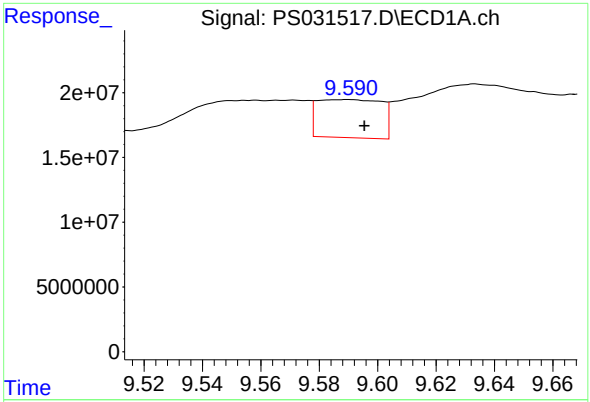
#11 2,4,5-TP (SILVEX)

R.T.: 9.293 min
Delta R.T.: -0.007 min
Response: 2443217
Conc: N.D.



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

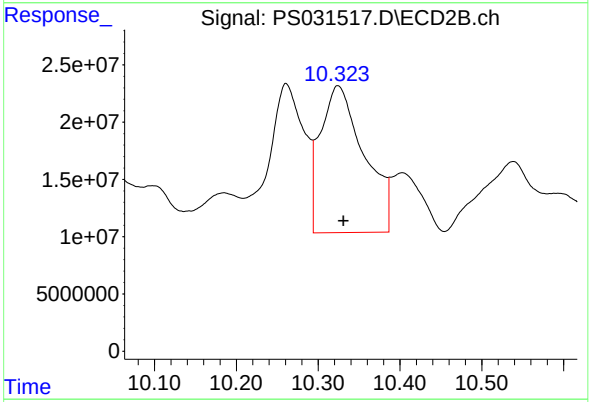
R.T.: 9.877 min
Delta R.T.: -0.025 min
Response: 193270721
Conc: 14.74 ng/ml



#12 2,4,5-T

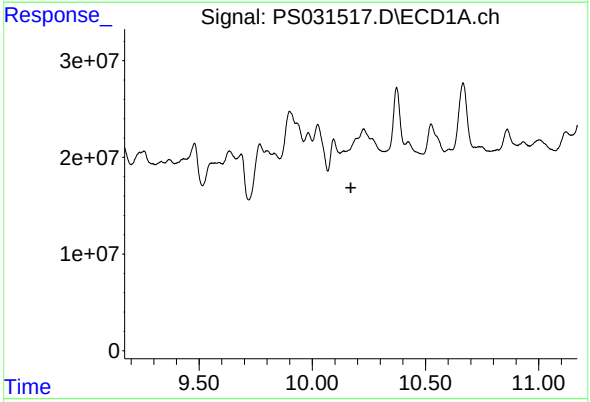
R.T.: 9.590 min
Delta R.T.: -0.006 min
Response: 44888697
Conc: 3.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE



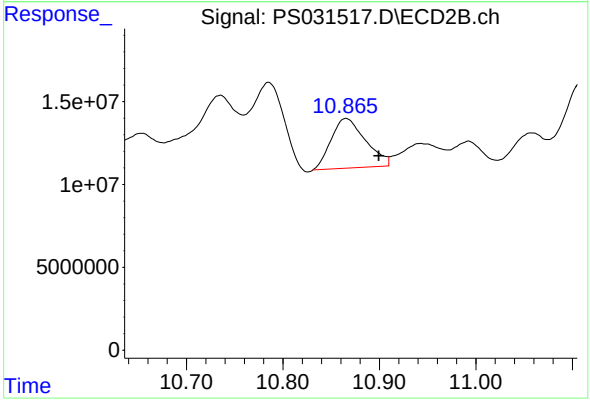
#12 2,4,5-T

R.T.: 10.324 min
Delta R.T.: -0.007 min
Response: 475226293
Conc: 40.14 ng/ml



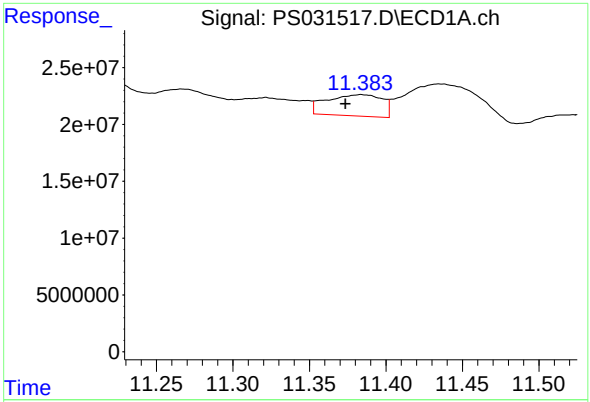
#13 2,4-DB

R.T.: 0.000 min
Exp R.T. : 10.170 min
Response: 0
Conc: N.D.



#13 2,4-DB

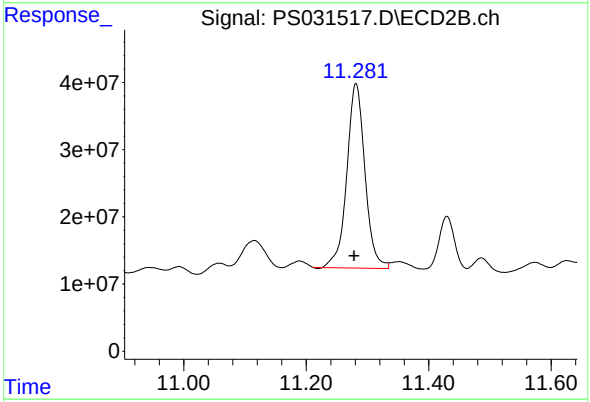
R.T.: 10.865 min
Delta R.T.: -0.034 min
Response: 74584379
Conc: 77.30 ng/ml



#14 DINOSEB

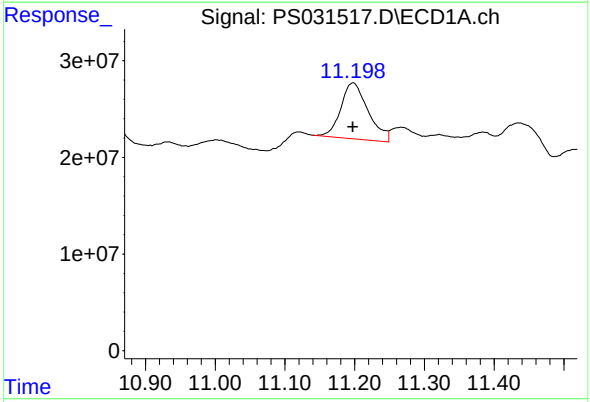
R.T.: 11.384 min
Delta R.T.: 0.010 min
Response: 47129729
Conc: 3.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE



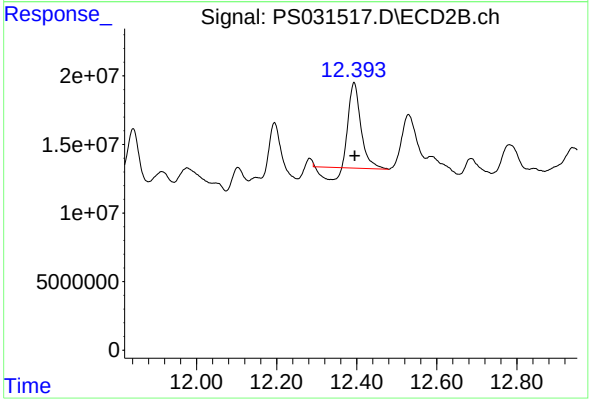
#14 DINOSEB

R.T.: 11.281 min
Delta R.T.: 0.003 min
Response: 565660948
Conc: 59.81 ng/ml



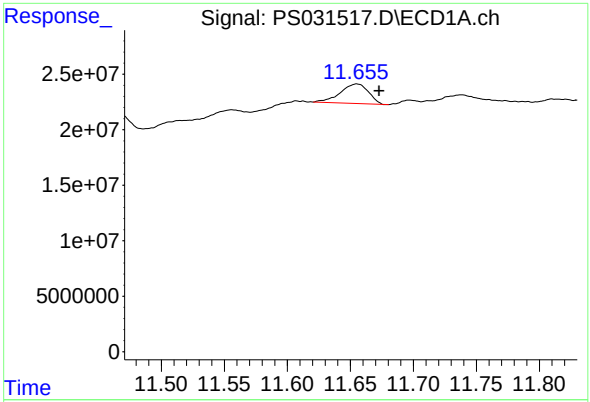
#15 Picloram

R.T.: 11.198 min
Delta R.T.: 0.000 min
Response: 158114251
Conc: 12.11 ng/ml



#15 Picloram

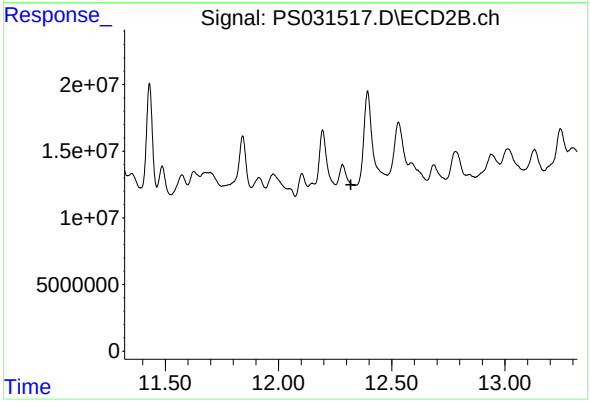
R.T.: 12.393 min
Delta R.T.: -0.002 min
Response: 116181699
Conc: 6.63 ng/ml



#16 DCPA

R.T.: 11.655 min
Delta R.T.: -0.018 min
Response: 27314758
Conc: 1.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425RE



#16 DCPA

R.T.: 0.000 min
Exp R.T. : 12.320 min
Response: 0
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031519.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 10:21
Operator : AR\AJ
Sample : Q2879-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
4) S	2,4-DCAA	7.289	7.742	643.6E6	206.5E6	202.765	244.228	
	Target Compounds							
1) T	Dalapon	0.000	2.662f	0	493.0E6	N.D.	185.262	
3) T	4-Nitroph...	0.000	7.302	0	24116166	N.D.	19.187	
5) T	DICAMBA	7.483	7.962	180012	57228921	<MDL	10.071	#
6) T	MCPP	7.678	8.053	44535845	22348985	5.536	12.642	#
7) T	MCPA	7.841f	0.000	63868845	0	6.412	N.D.	#
8) T	DICHLORPROP	8.225f	8.636f	69257252	11147597	21.831	8.350	#
9) T	2,4-D	0.000	9.022	0	10999015	N.D.	7.706	
10) T	Pentachlo...	8.712	9.559f	3967436	23453004	<MDL	<MDL	#
11) T	2,4,5-TP ...	9.338f	9.878	18334453	96254946	1.023	7.339	#
12) T	2,4,5-T	9.563f	10.329	57602171	238.5E6	3.932	20.143	#
13) T	2,4-DB	10.153	10.882	2078543	28623320	1.082	29.666	#
14) T	DINOSEB	11.383	11.284	2769767	29551215	<MDL	3.125	#
15) T	Picloram	11.206	12.394	23238169	-3910045	1.780	N.D.	#
16) T	DCPA	11.661	0.000	27207559	0	1.194	N.D.	#

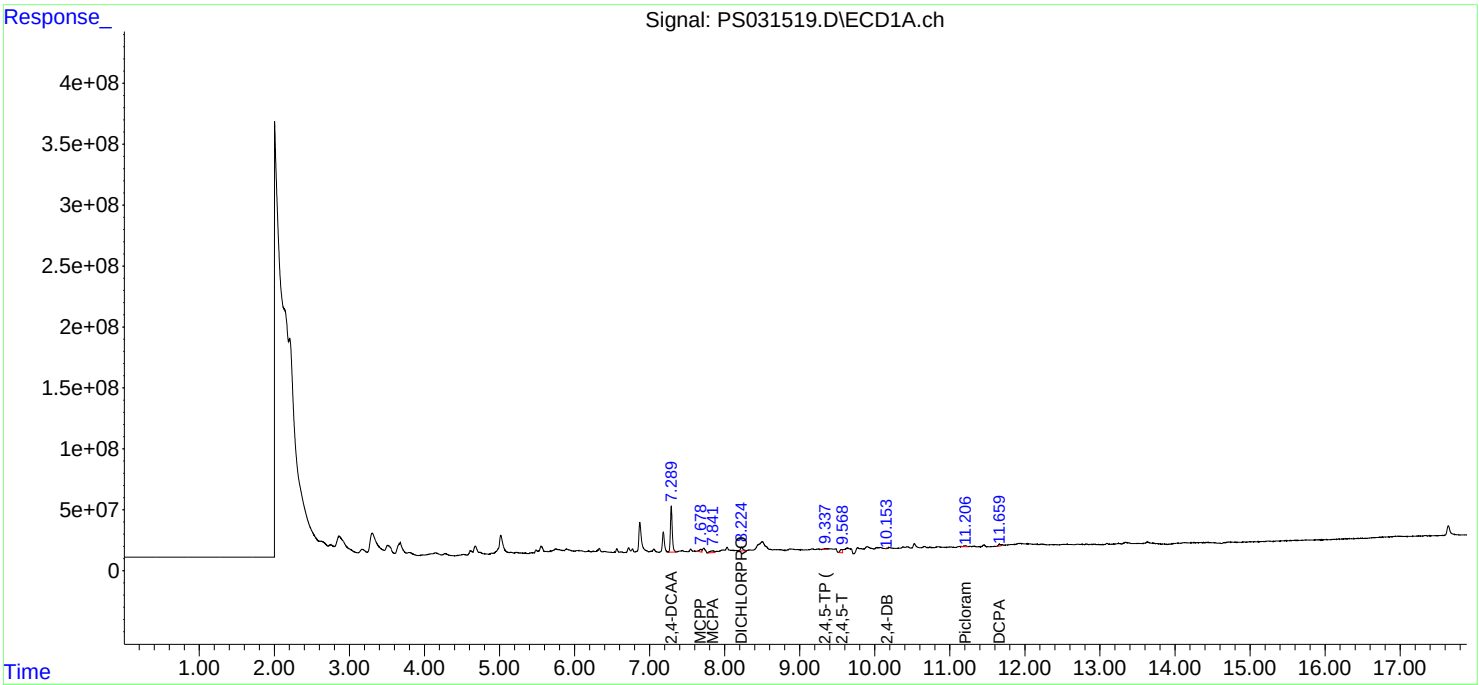
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

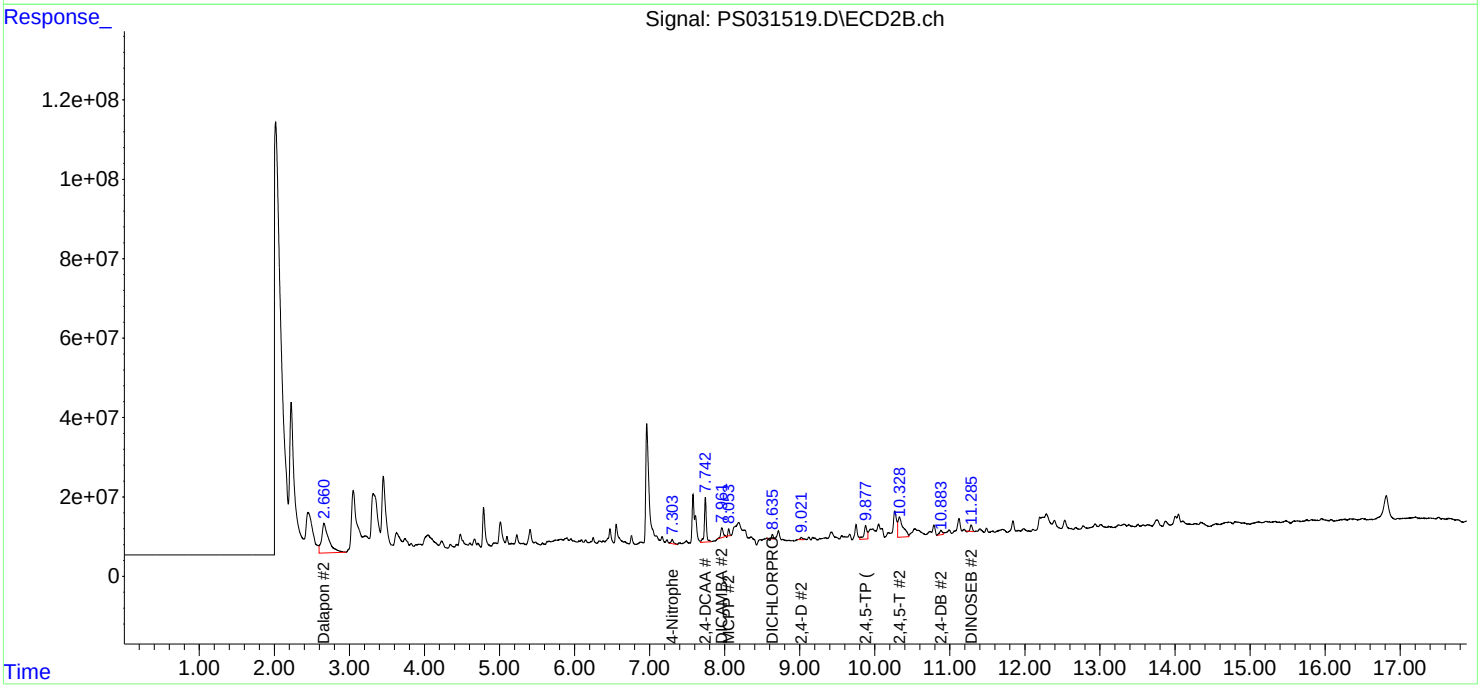
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031519.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 10:21
Operator : AR\AJ
Sample : Q2879-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

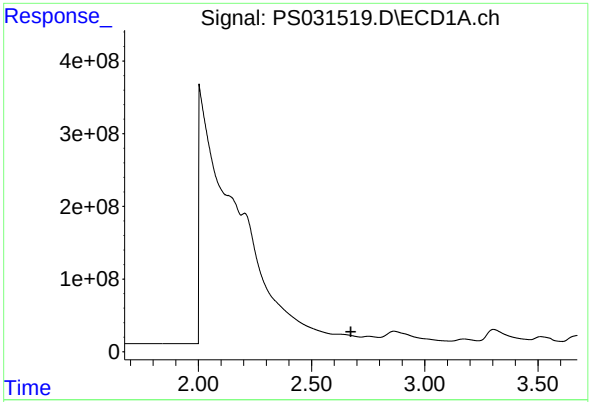
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



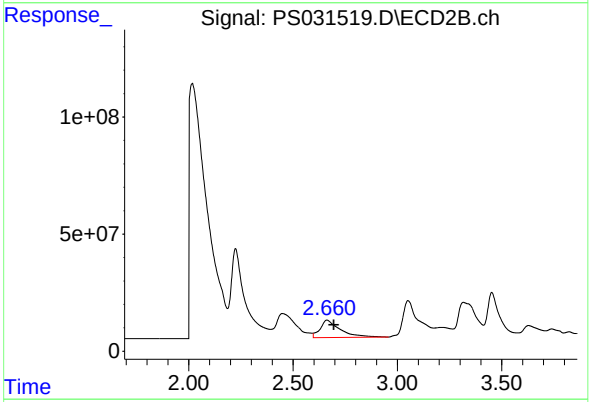




#1 Dalapon

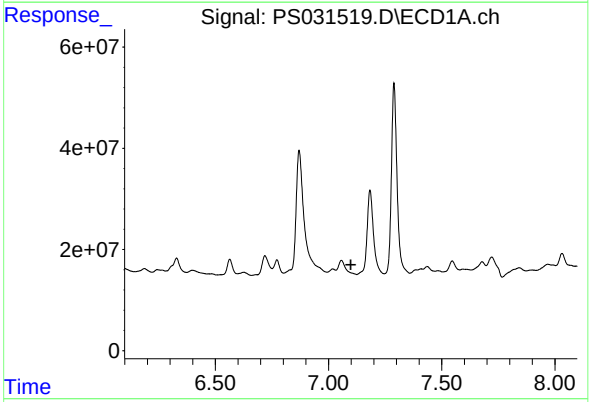
R.T.: 0.000 min
Exp R.T. : 2.674 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



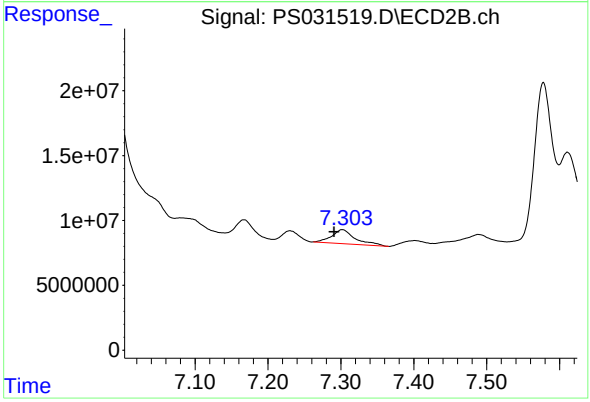
#1 Dalapon

R.T.: 2.662 min
Delta R.T.: -0.033 min
Response: 492983773
Conc: 185.26 ng/ml



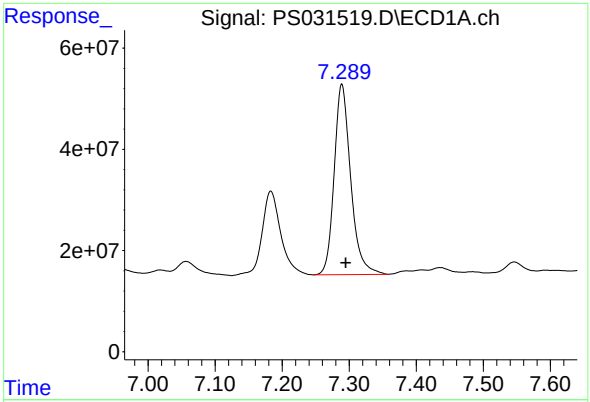
#3 4-Nitrophenol

R.T.: 0.000 min
Exp R.T. : 7.098 min
Response: 0
Conc: N.D.



#3 4-Nitrophenol

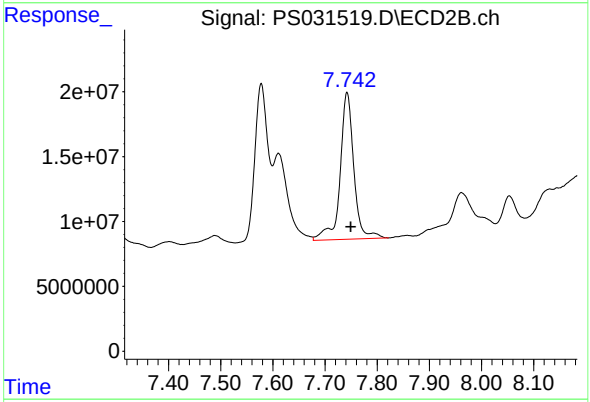
R.T.: 7.302 min
Delta R.T.: 0.011 min
Response: 24116166
Conc: 19.19 ng/ml



#4 2,4-DCAA

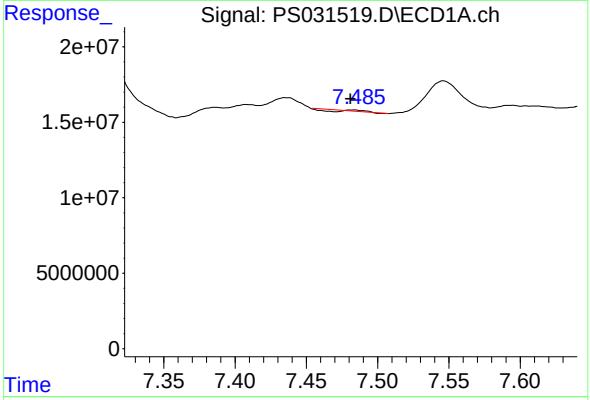
R.T.: 7.289 min
Delta R.T.: -0.006 min
Response: 643573214
Conc: 202.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



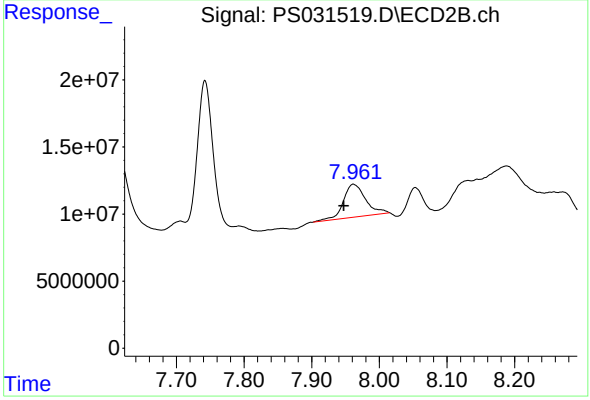
#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 206455330
Conc: 244.23 ng/ml



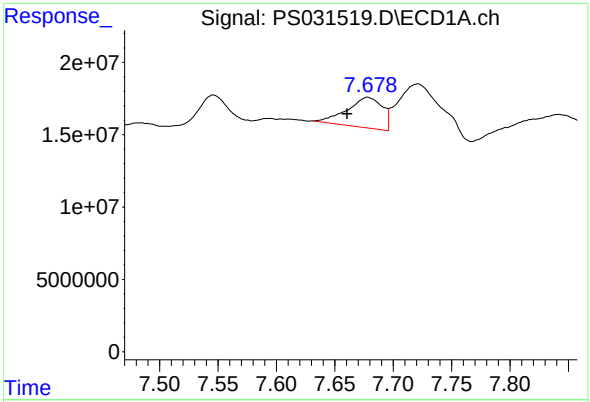
#5 DICAMBA

R.T.: 7.483 min
Delta R.T.: 0.002 min
Response: 180012
Conc: N.D.



#5 DICAMBA

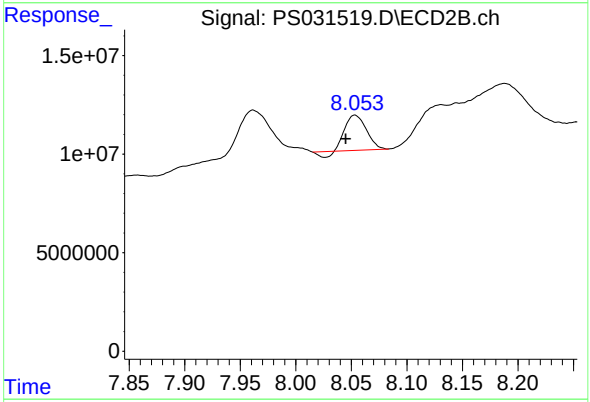
R.T.: 7.962 min
Delta R.T.: 0.015 min
Response: 57228921
Conc: 10.07 ng/ml



#6 MCPP

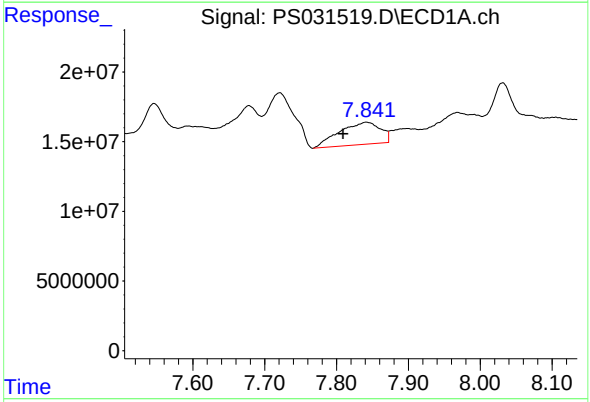
R.T.: 7.678 min
Delta R.T.: 0.018 min
Response: 44535845
Conc: 5.54 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



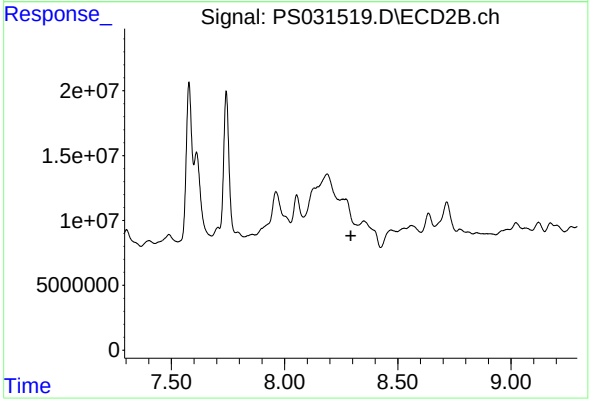
#6 MCPP

R.T.: 8.053 min
Delta R.T.: 0.008 min
Response: 22348985
Conc: 12.64 ug/ml



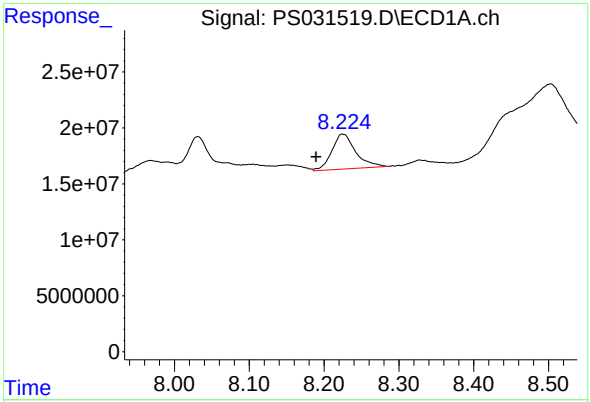
#7 MCPA

R.T.: 7.841 min
Delta R.T.: 0.032 min
Response: 63868845
Conc: 6.41 ug/ml



#7 MCPA

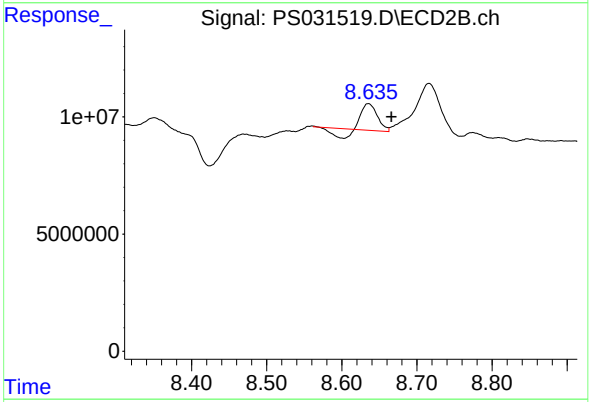
R.T.: 0.000 min
Exp R.T. : 8.293 min
Response: 0
Conc: N.D.



#8 DICHLORPROP

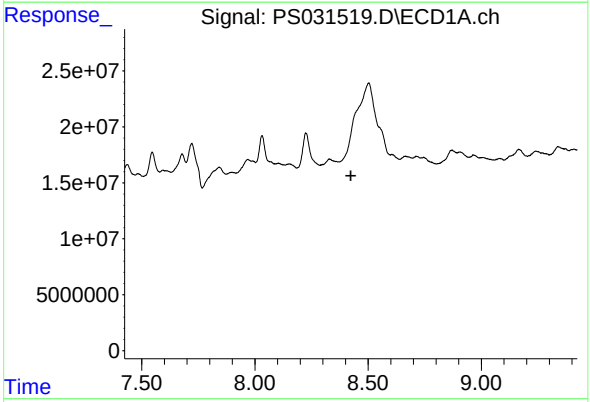
R.T.: 8.225 min
Delta R.T.: 0.035 min
Response: 69257252
Conc: 21.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



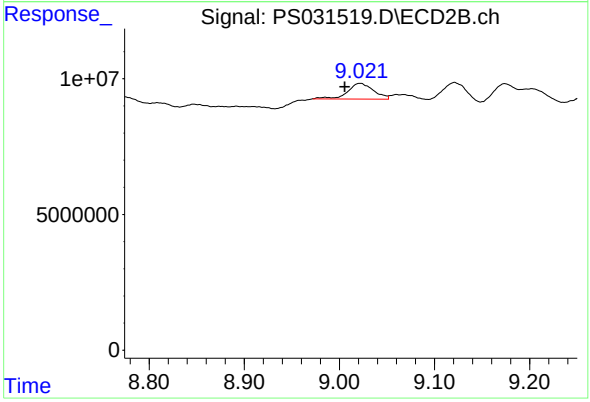
#8 DICHLORPROP

R.T.: 8.636 min
Delta R.T.: -0.030 min
Response: 11147597
Conc: 8.35 ng/ml



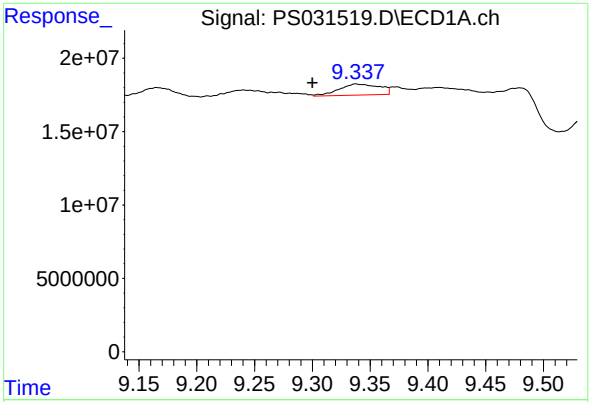
#9 2,4-D

R.T.: 0.000 min
Exp R.T. : 8.424 min
Response: 0
Conc: N.D.



#9 2,4-D

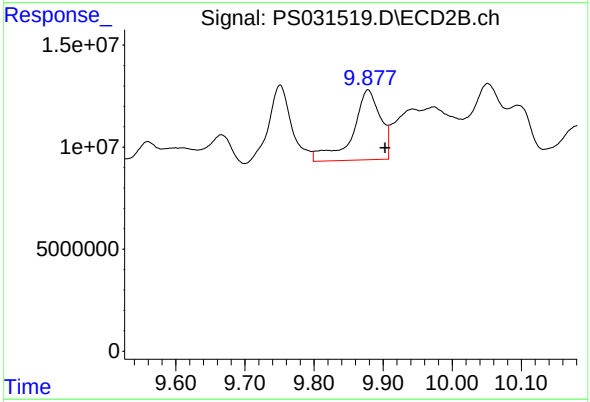
R.T.: 9.022 min
Delta R.T.: 0.016 min
Response: 10999015
Conc: 7.71 ng/ml



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

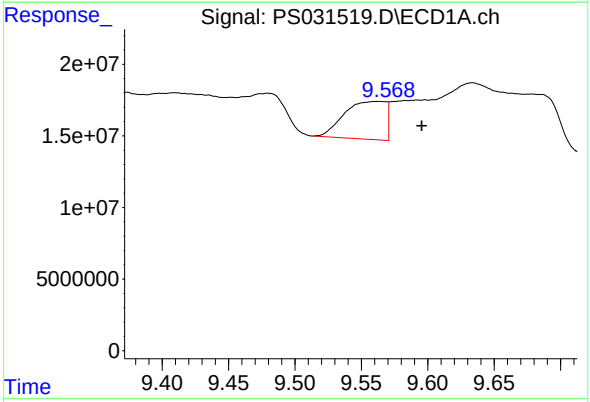
R.T.: 9.338 min
Delta R.T.: 0.038 min
Response: 18334453
Conc: 1.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



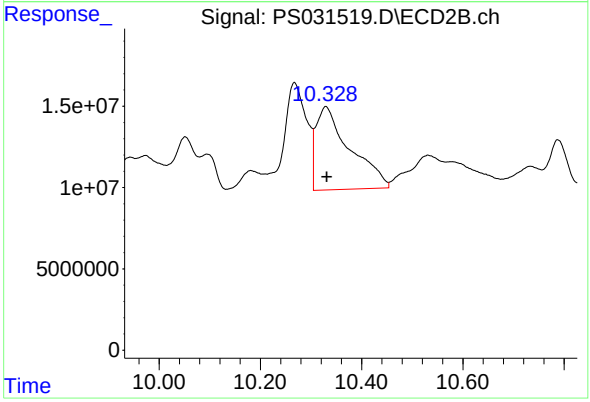
#11 2,4,5-TP (SILVEX)

R.T.: 9.878 min
Delta R.T.: -0.025 min
Response: 96254946
Conc: 7.34 ng/ml



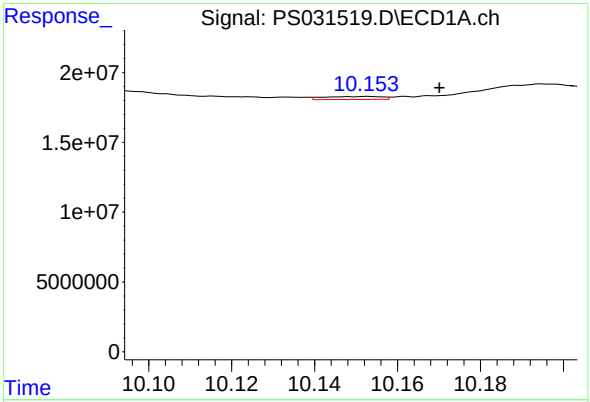
#12 2,4,5-T

R.T.: 9.563 min
Delta R.T.: -0.033 min
Response: 57602171
Conc: 3.93 ng/ml



#12 2,4,5-T

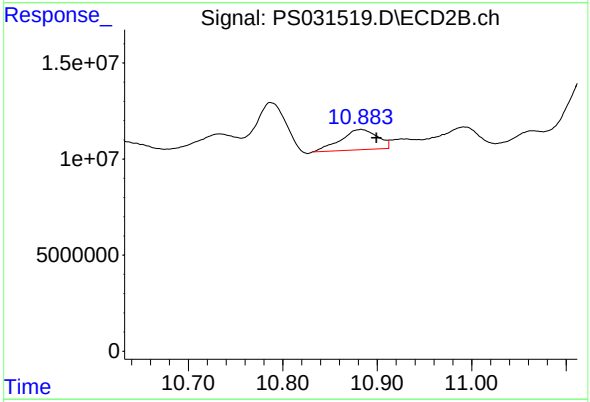
R.T.: 10.329 min
Delta R.T.: -0.002 min
Response: 238482792
Conc: 20.14 ng/ml



#13 2,4-DB

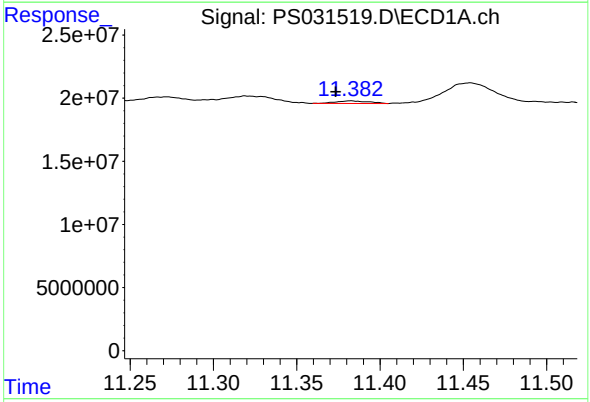
R.T.: 10.153 min
Delta R.T.: -0.017 min
Response: 2078543
Conc: 1.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



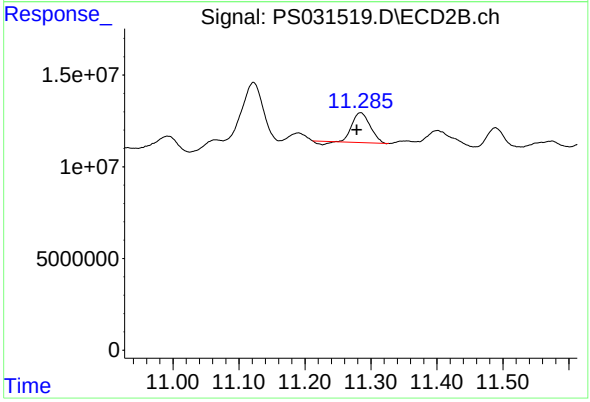
#13 2,4-DB

R.T.: 10.882 min
Delta R.T.: -0.017 min
Response: 28623320
Conc: 29.67 ng/ml



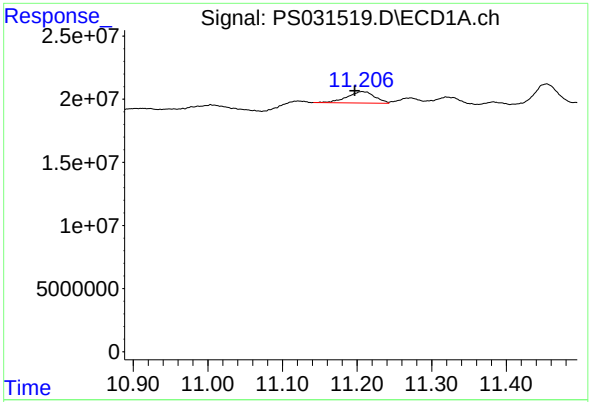
#14 DINOSEB

R.T.: 11.383 min
Delta R.T.: 0.009 min
Response: 2769767
Conc: N.D.



#14 DINOSEB

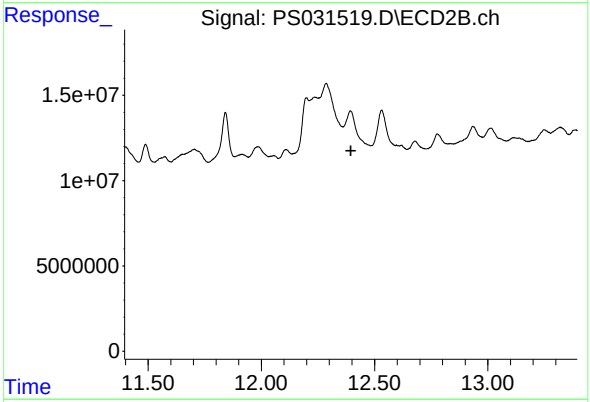
R.T.: 11.284 min
Delta R.T.: 0.006 min
Response: 29551215
Conc: 3.12 ng/ml



#15 Picloram

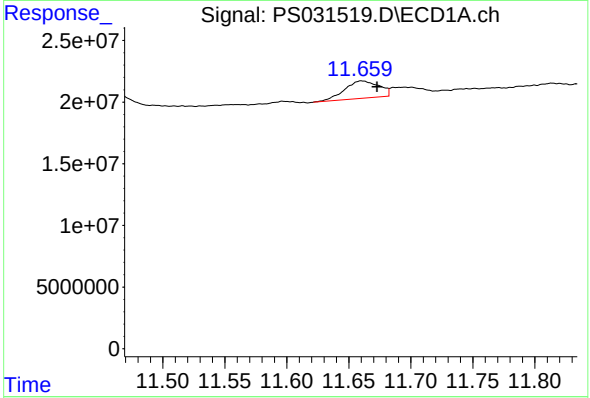
R.T.: 11.206 min
Delta R.T.: 0.009 min
Response: 23238169
Conc: 1.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



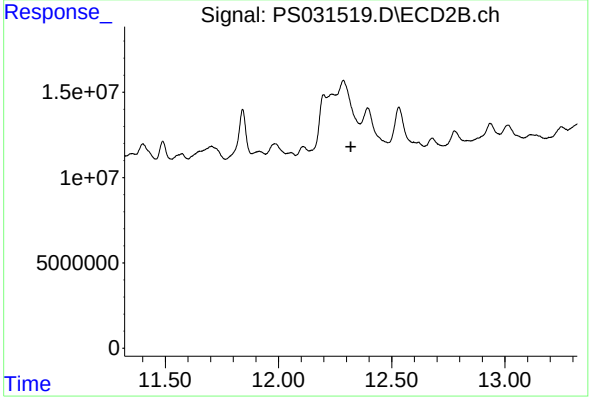
#15 Picloram

R.T.: 12.394 min
Delta R.T.: -0.002 min
Response: -3910045
Conc: N.D.



#16 DCPA

R.T.: 11.661 min
Delta R.T.: -0.012 min
Response: 27207559
Conc: 1.19 ng/ml



#16 DCPA

R.T.: 0.000 min
Exp R.T. : 12.320 min
Response: 0
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031520.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 10:45
Operator : AR\AJ
Sample : Q2879-13RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 02:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
4)	S	2,4-DCAA	7.273	7.749	229.0E6	120.9E6	72.144	142.971	#
		Target Compounds							
1)	T	Dalapon	0.000	2.663f	0	575.9E6	N.D.	216.415	
3)	T	4-Nitroph...	7.097	7.302	1400538	92568549	1.358	73.649	#
5)	T	DICAMBA	7.485	7.958	5784220	39353797	<MDL	6.925	#
6)	T	MCPP	7.672	8.052	48031691	119.6E6	5.970	67.640	#
7)	T	MCPA	7.838f	8.257f	104.8E6	115.7E6	10.523	41.245	#
8)	T	DICHLORPROP	8.223f	8.634f	173.4E6	20189349	54.663	15.123	#
9)	T	2,4-D	8.398f	9.021	52405908	7533410	18.217	5.278	#
10)	T	Pentachlo...	8.709	9.488f	7491507	30195279	<MDL	<MDL	#
11)	T	2,4,5-TP ...	9.335f	9.879	9293404	294.3E6	<MDL	22.438	#
12)	T	2,4,5-T	9.633f	10.324	168.2E6	700.5E6	11.483	59.165	#
13)	T	2,4-DB	10.191	10.876	56360276	55538978	29.328	57.563	#
14)	T	DINOSEB	11.386	11.283	4752355	144.4E6	<MDL	15.268	#
16)	T	DCPA	11.660	0.000	145.0E6	0	6.366	N.D.	#

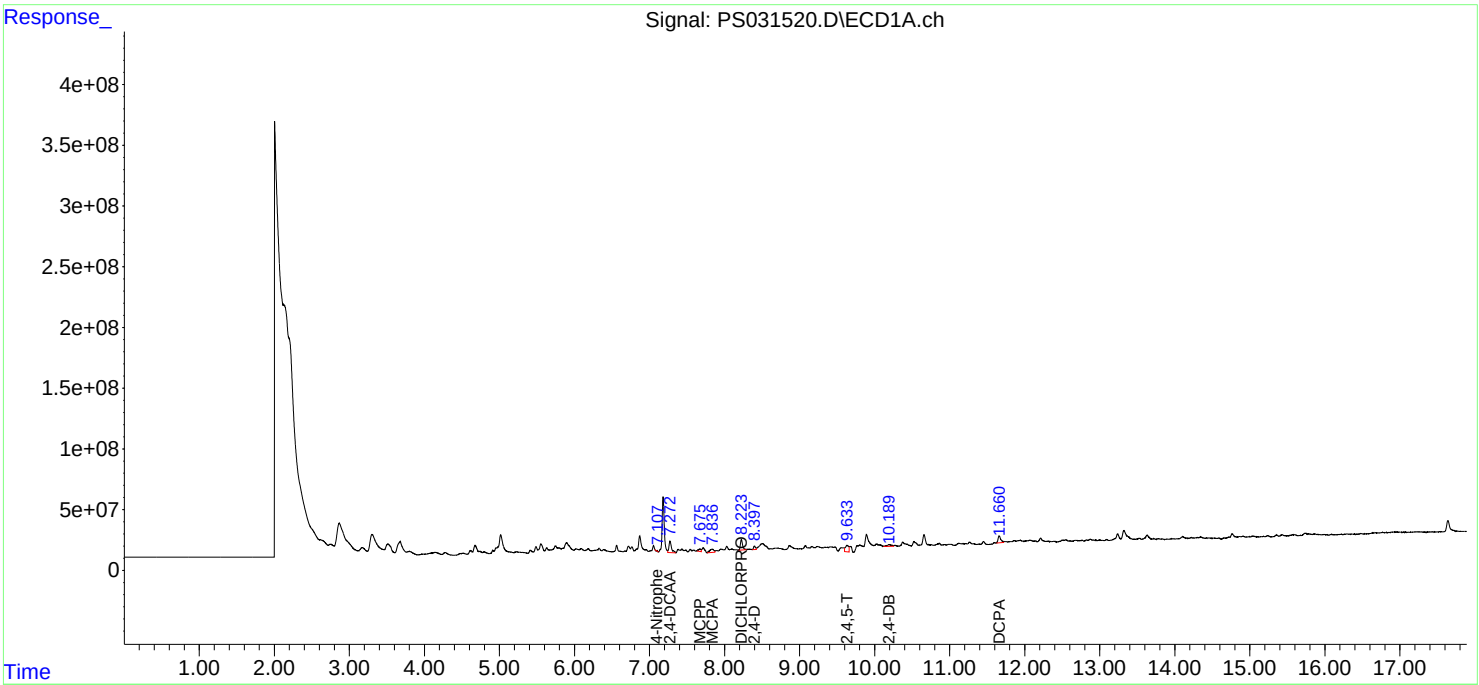
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

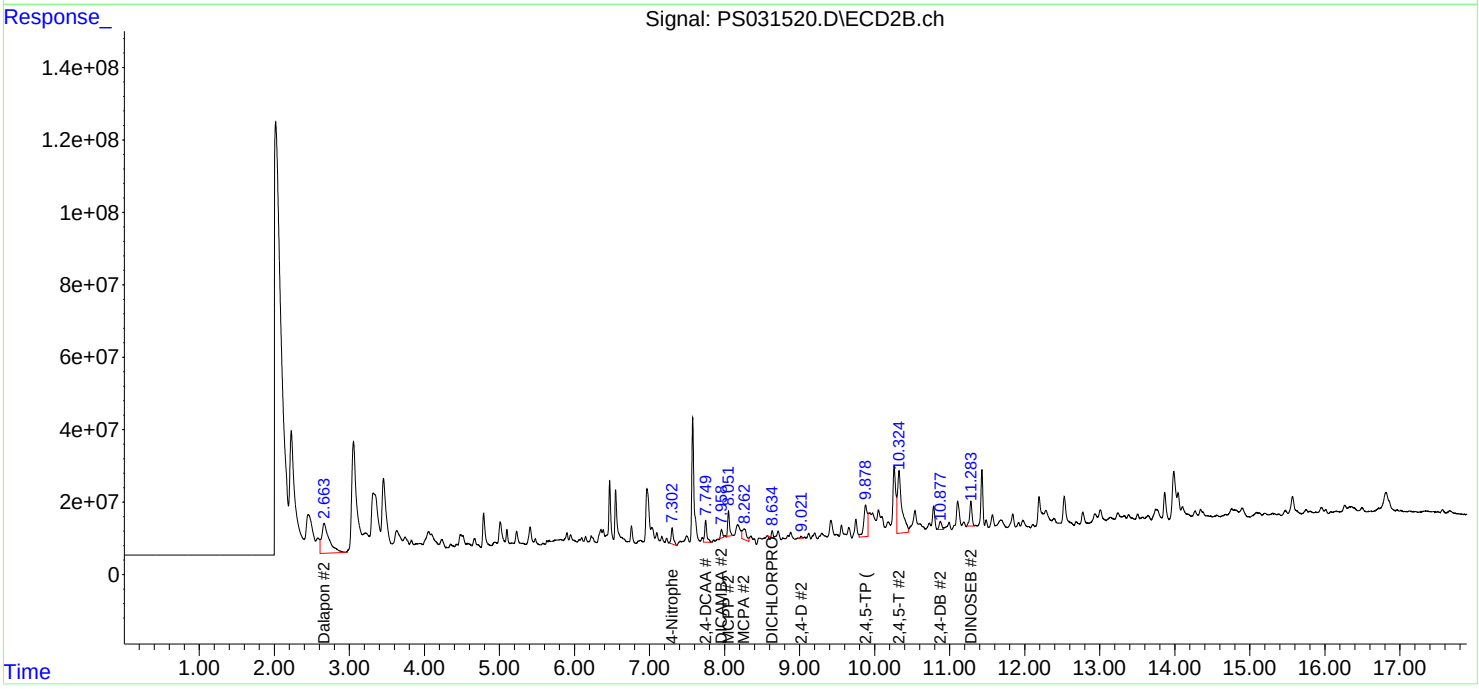
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031520.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 10:45
Operator : AR\AJ
Sample : Q2879-13RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

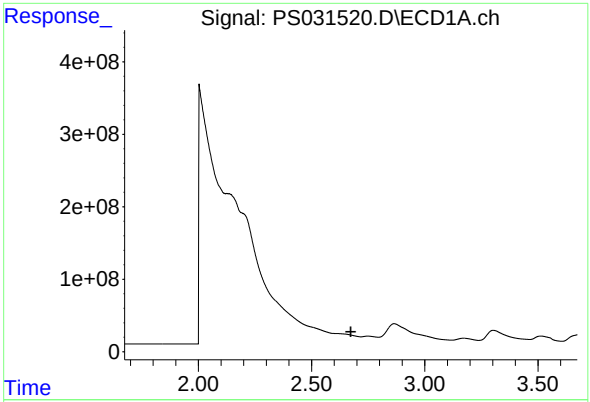
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 02:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



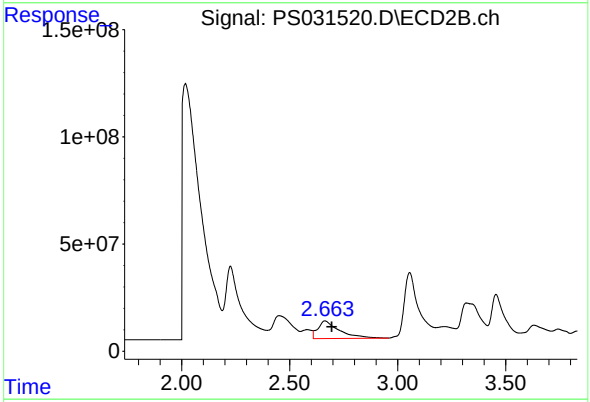




#1 Dalapon

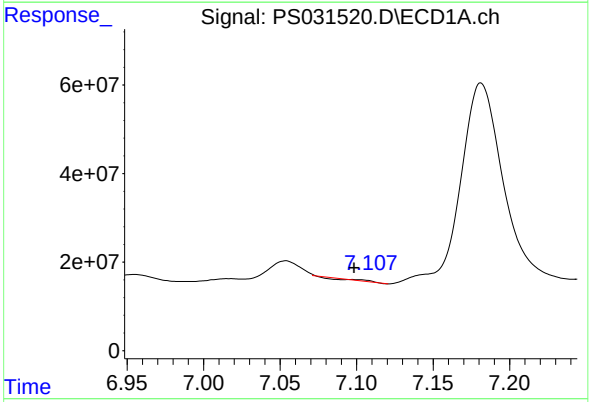
R.T.: 0.000 min
Exp R.T. : 2.674 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE



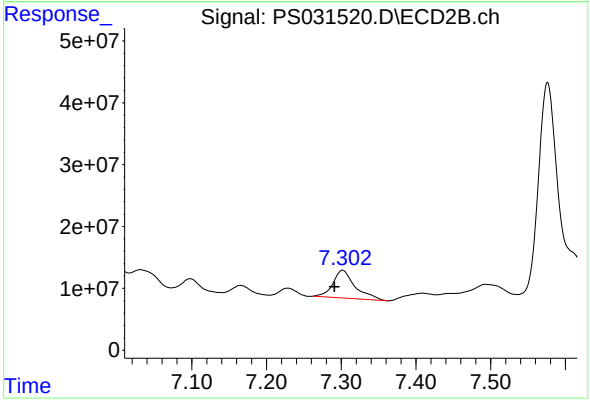
#1 Dalapon

R.T.: 2.663 min
Delta R.T.: -0.032 min
Response: 575883546
Conc: 216.42 ng/ml



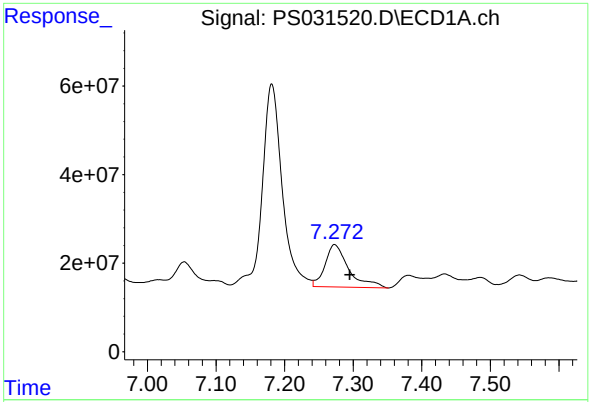
#3 4-Nitrophenol

R.T.: 7.097 min
Delta R.T.: -0.001 min
Response: 1400538
Conc: 1.36 ng/ml



#3 4-Nitrophenol

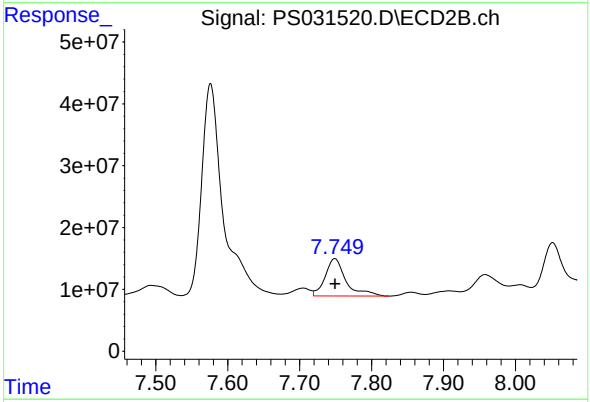
R.T.: 7.302 min
Delta R.T.: 0.011 min
Response: 92568549
Conc: 73.65 ng/ml



#4 2,4-DCAA

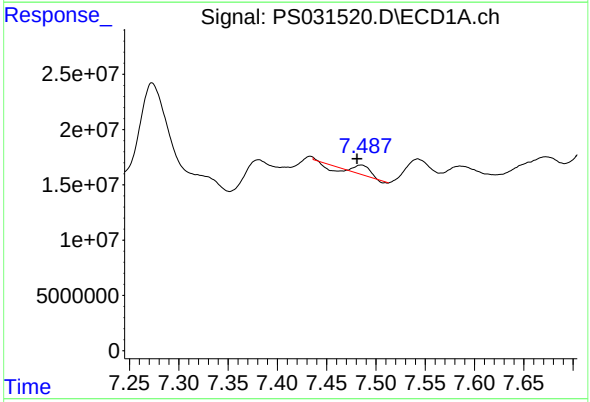
R.T.: 7.273 min
Delta R.T.: -0.022 min
Response: 228983691
Conc: 72.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE



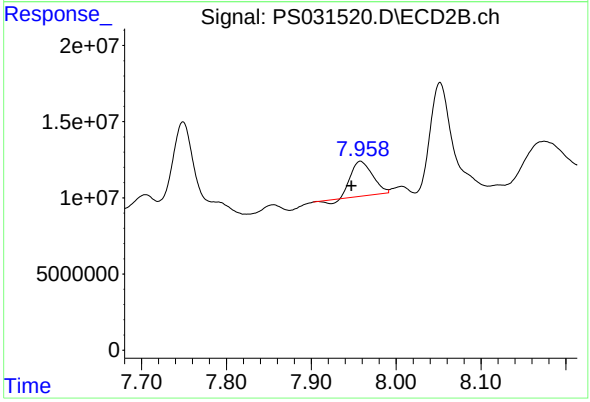
#4 2,4-DCAA

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 120859410
Conc: 142.97 ng/ml



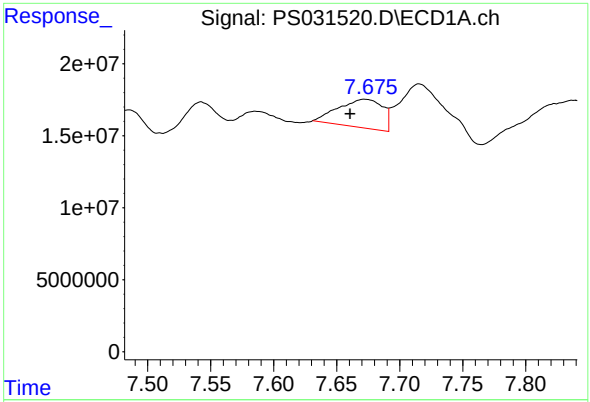
#5 DICAMBA

R.T.: 7.485 min
Delta R.T.: 0.004 min
Response: 5784220
Conc: N.D.



#5 DICAMBA

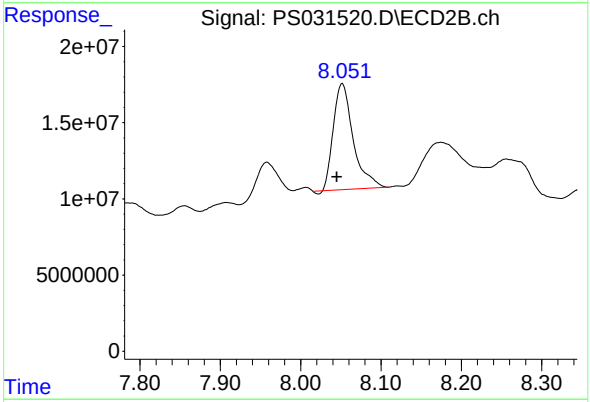
R.T.: 7.958 min
Delta R.T.: 0.011 min
Response: 39353797
Conc: 6.93 ng/ml



#6 MCPP

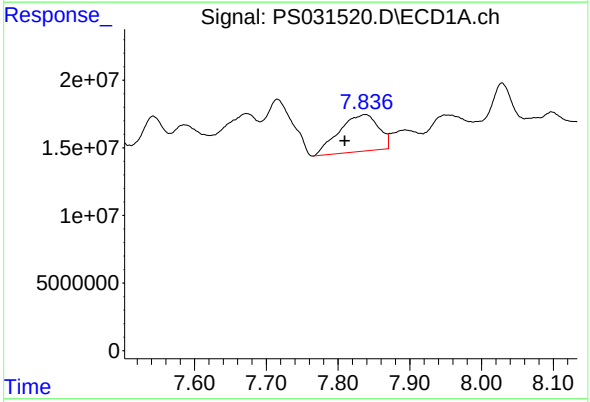
R.T.: 7.672 min
Delta R.T.: 0.012 min
Response: 48031691
Conc: 5.97 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE



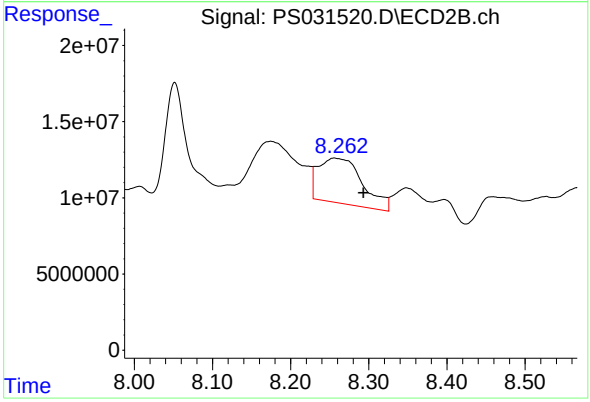
#6 MCPP

R.T.: 8.052 min
Delta R.T.: 0.007 min
Response: 119576426
Conc: 67.64 ug/ml



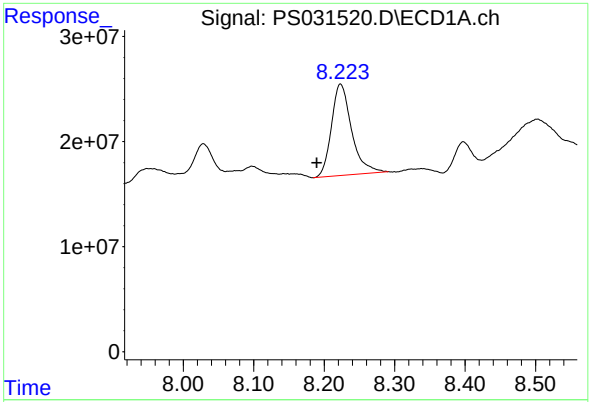
#7 MCPA

R.T.: 7.838 min
Delta R.T.: 0.028 min
Response: 104818583
Conc: 10.52 ug/ml



#7 MCPA

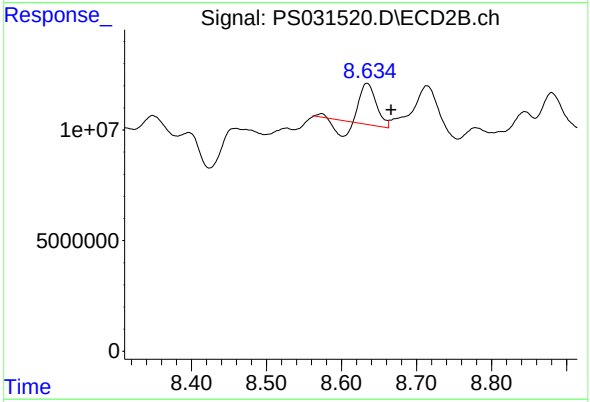
R.T.: 8.257 min
Delta R.T.: -0.037 min
Response: 115713280
Conc: 41.25 ug/ml



#8 DICHLORPROP

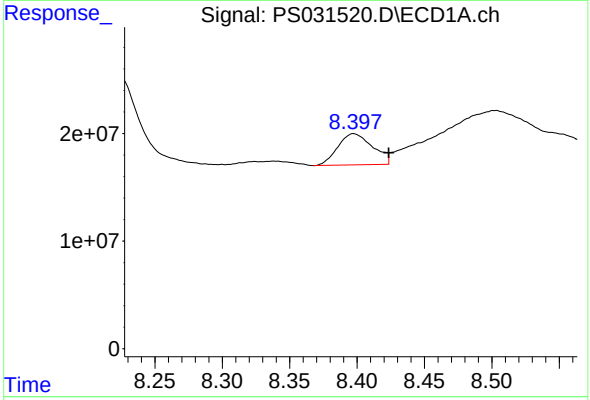
R.T.: 8.223 min
Delta R.T.: 0.034 min
Response: 173413059
Conc: 54.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE



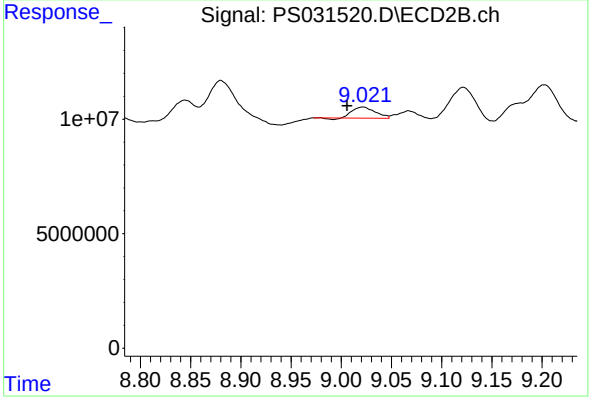
#8 DICHLORPROP

R.T.: 8.634 min
Delta R.T.: -0.032 min
Response: 20189349
Conc: 15.12 ng/ml



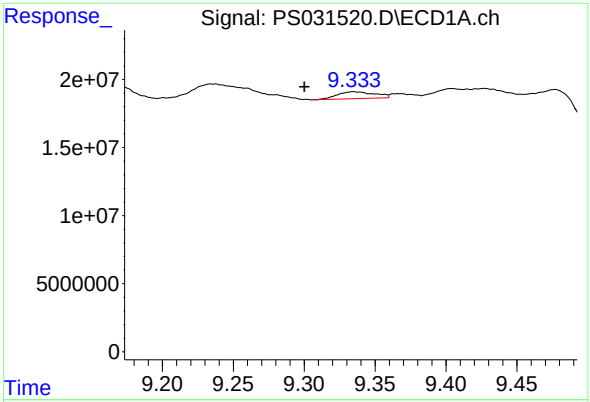
#9 2,4-D

R.T.: 8.398 min
Delta R.T.: -0.026 min
Response: 52405908
Conc: 18.22 ng/ml



#9 2,4-D

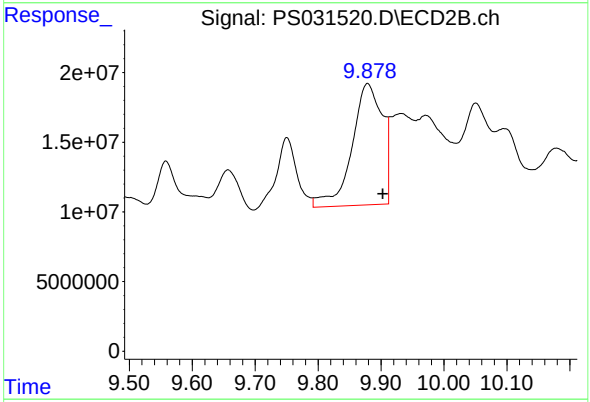
R.T.: 9.021 min
Delta R.T.: 0.016 min
Response: 7533410
Conc: 5.28 ng/ml



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

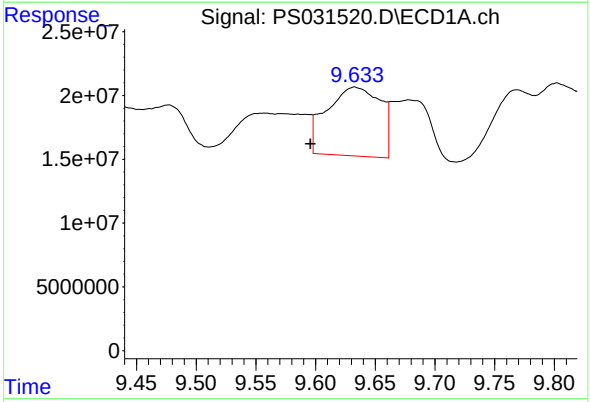
R.T.: 9.335 min
Delta R.T.: 0.035 min
Response: 9293404
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE



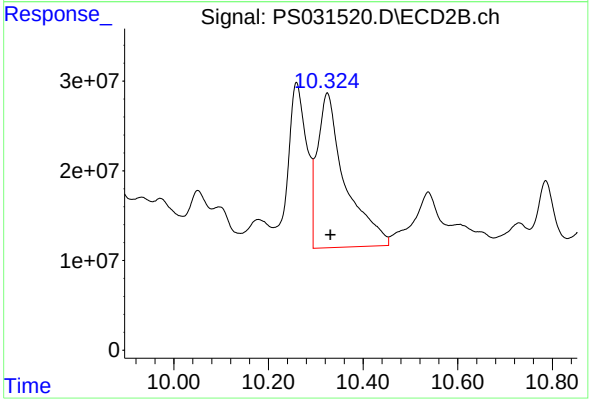
#11 2,4,5-TP (SILVEX)

R.T.: 9.879 min
Delta R.T.: -0.024 min
Response: 294296812
Conc: 22.44 ng/ml



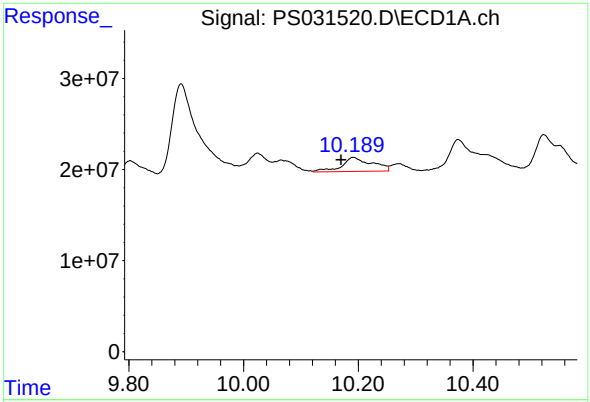
#12 2,4,5-T

R.T.: 9.633 min
Delta R.T.: 0.037 min
Response: 168239816
Conc: 11.48 ng/ml



#12 2,4,5-T

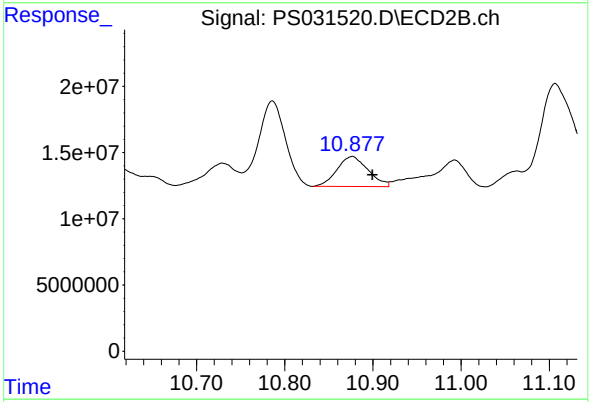
R.T.: 10.324 min
Delta R.T.: -0.007 min
Response: 700501852
Conc: 59.17 ng/ml



#13 2,4-DB

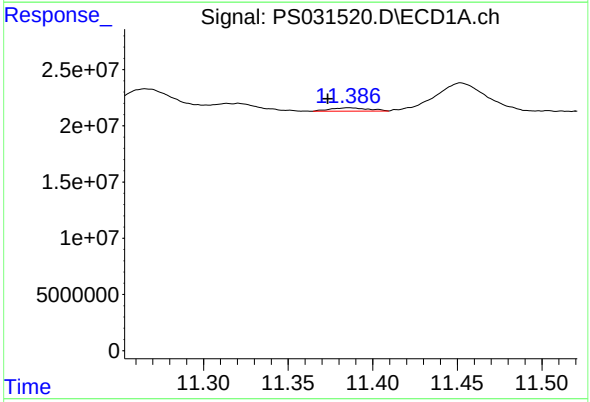
R.T.: 10.191 min
Delta R.T.: 0.021 min
Response: 56360276
Conc: 29.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE



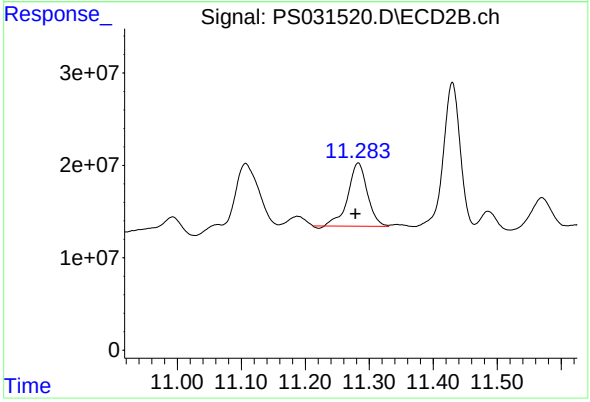
#13 2,4-DB

R.T.: 10.876 min
Delta R.T.: -0.023 min
Response: 55538978
Conc: 57.56 ng/ml



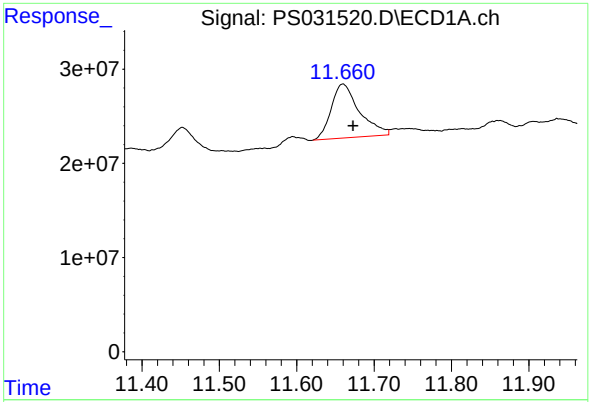
#14 DINOSEB

R.T.: 11.386 min
Delta R.T.: 0.013 min
Response: 4752355
Conc: N.D.



#14 DINOSEB

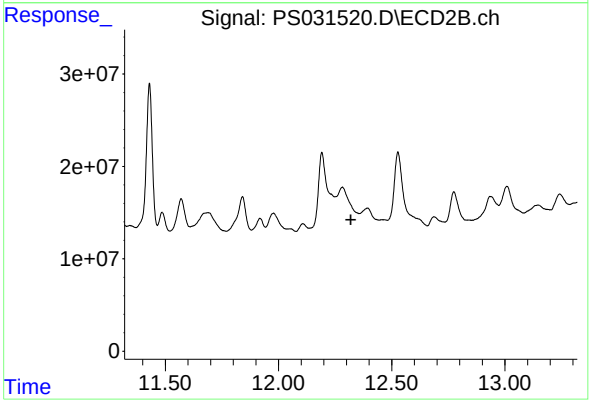
R.T.: 11.283 min
Delta R.T.: 0.004 min
Response: 144384861
Conc: 15.27 ng/ml



#16 DCPA

R.T.: 11.660 min
Delta R.T.: -0.013 min
Response: 145004255
Conc: 6.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425RE



#16 DCPA

R.T.: 0.000 min
Exp R.T. : 12.320 min
Response: 0
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031521.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 11:35
Operator : AR\AJ
Sample : Q2879-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 02:36:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
4) S	2,4-DCAA	7.287	7.742	623.1E6	197.5E6	196.312	233.645	
	Target Compounds							
1) T	Dalapon	0.000	2.661f	0	817.9E6	N.D.	307.375	
3) T	4-Nitroph...	7.088	7.301	10424442	110.7E6	10.104	88.038	#
5) T	DICAMBA	7.488	7.975f	19303391	10581518	1.382	1.862	#
6) T	MCPP	7.658	8.051	51774963	264.4E6	6.436	149.579	#
7) T	MCPA	7.817	8.256f	132.5E6	105.0E6	13.302	37.423	#
8) T	DICHLORPROP	8.172	8.671	28741168	18516561	9.060	13.870	#
9) T	2,4-D	8.400	9.028	92393446	-7106804	32.117	N.D.	#
10) T	Pentachlo...	8.711	9.506	54397593	66830839	1.133	1.919	#
11) T	2,4,5-TP ...	9.334f	9.875f	21644581	464.0E6	1.208	35.379	#
12) T	2,4,5-T	9.558f	10.322	100.4E6	542.5E6	6.850	45.820	#
13) T	2,4-DB	10.190	10.871f	478.4E6	62167352	248.929	64.432	#
14) T	DINOSEB	11.383	11.280	108.9E6	630.2E6	8.588	66.642	#
16) T	DCPA	11.650	0.000	57067096	0	2.505	N.D.	#

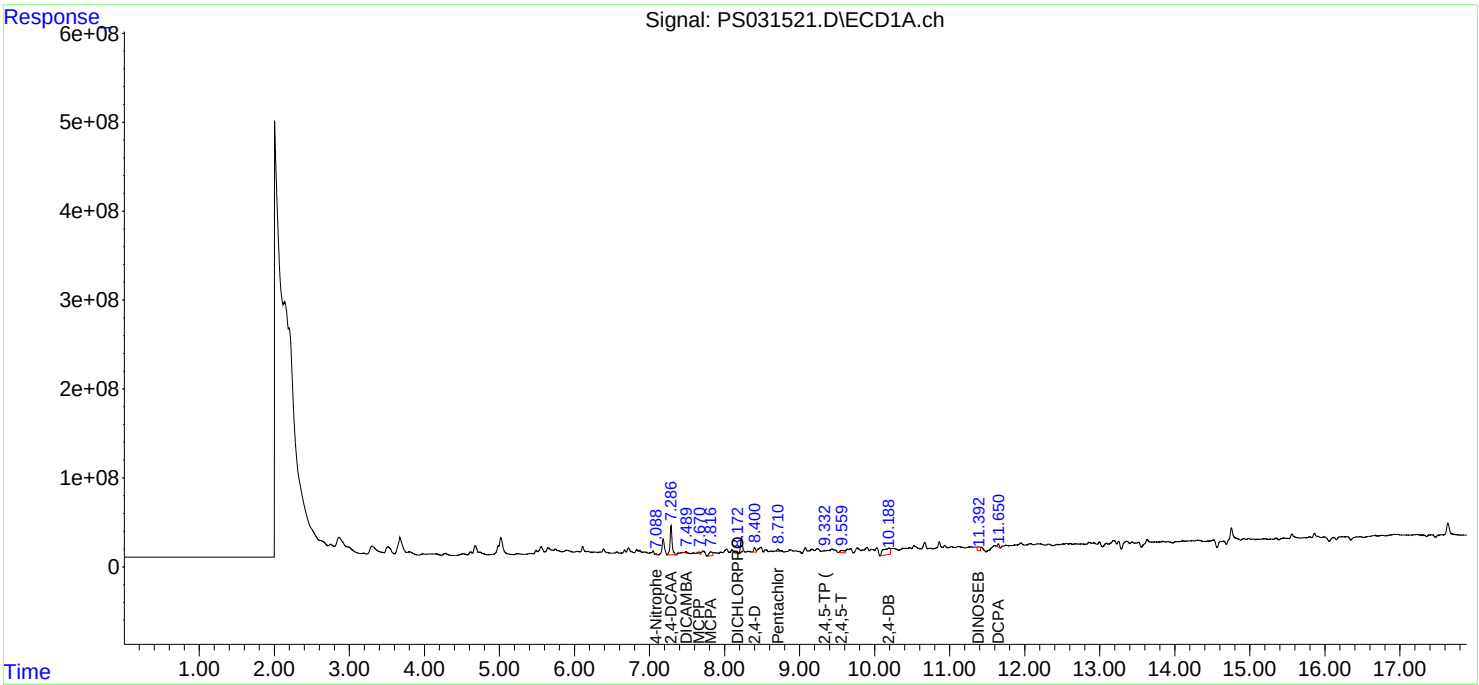
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

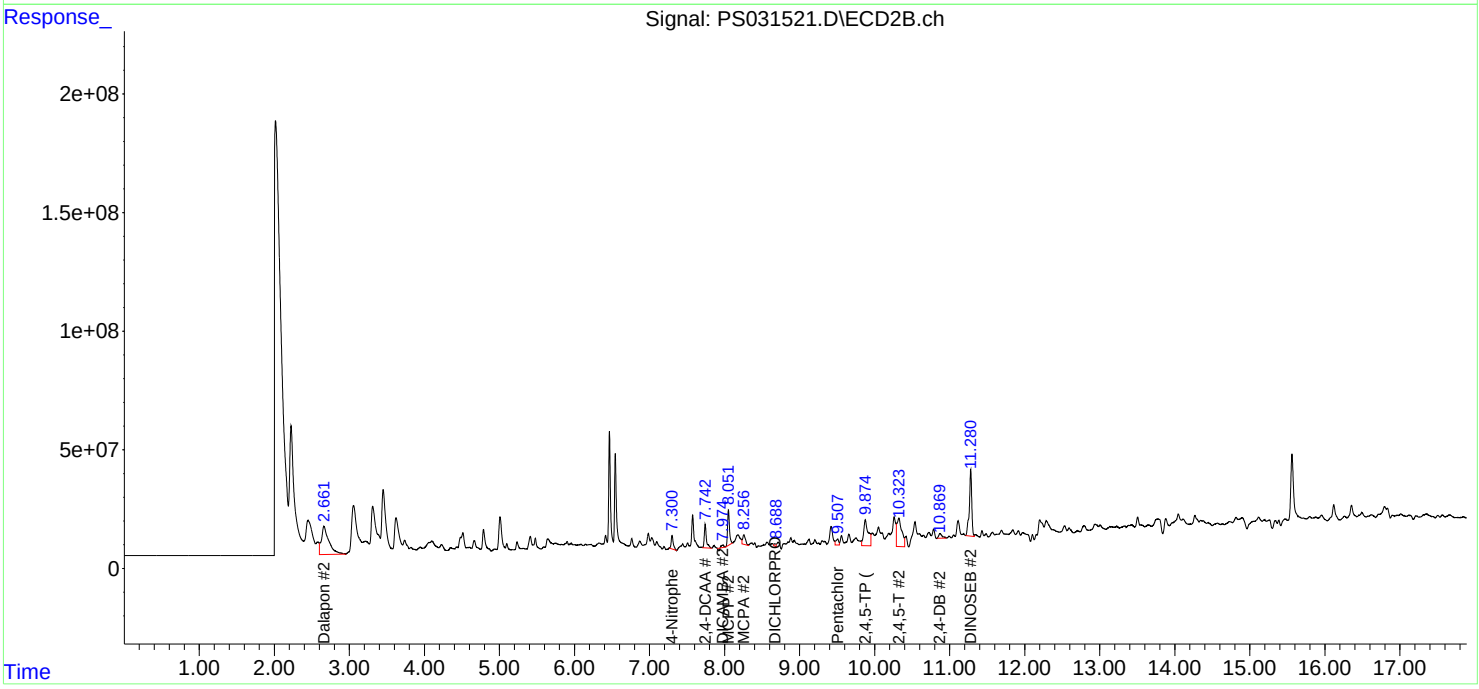
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031521.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 11:35
Operator : AR\AJ
Sample : Q2879-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

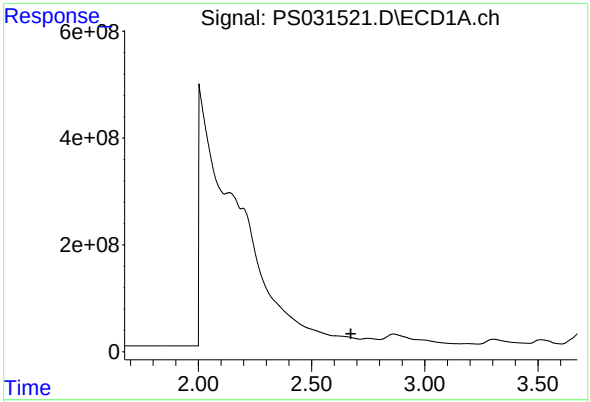
Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 02:36:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



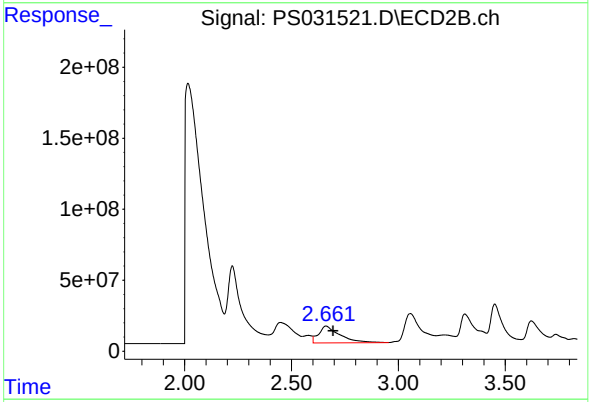




#1 Dalapon

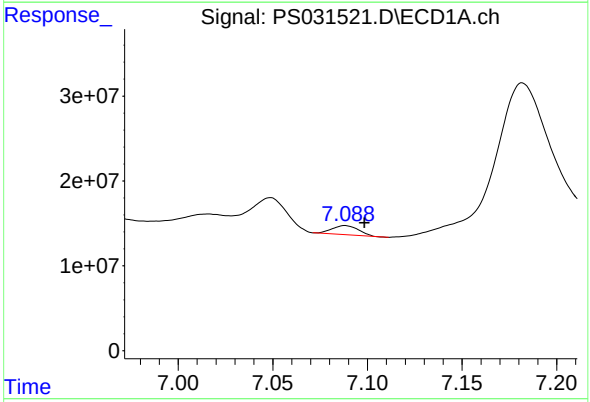
R.T.: 0.000 min
Exp R.T. : 2.674 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



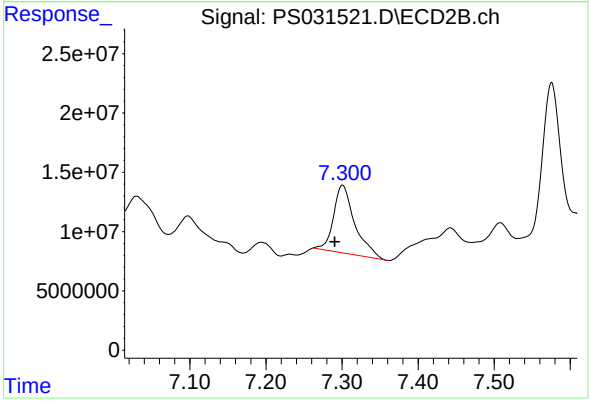
#1 Dalapon

R.T.: 2.661 min
Delta R.T.: -0.034 min
Response: 817928371
Conc: 307.37 ng/ml



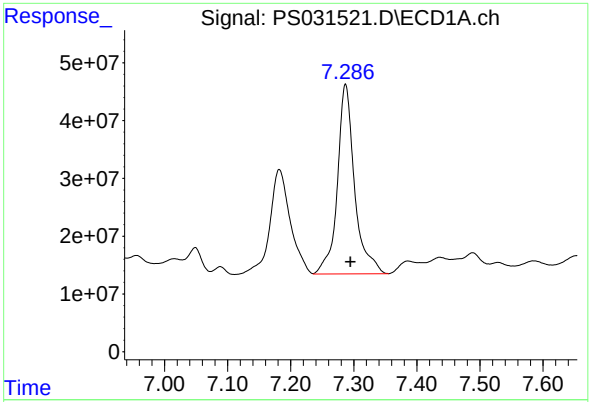
#3 4-Nitrophenol

R.T.: 7.088 min
Delta R.T.: -0.010 min
Response: 10424442
Conc: 10.10 ng/ml



#3 4-Nitrophenol

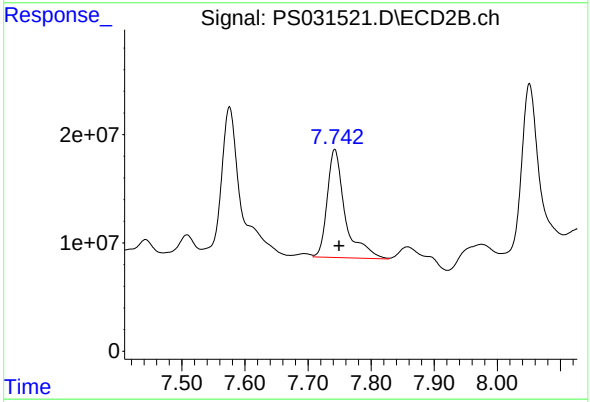
R.T.: 7.301 min
Delta R.T.: 0.010 min
Response: 110653776
Conc: 88.04 ng/ml



#4 2,4-DCAA

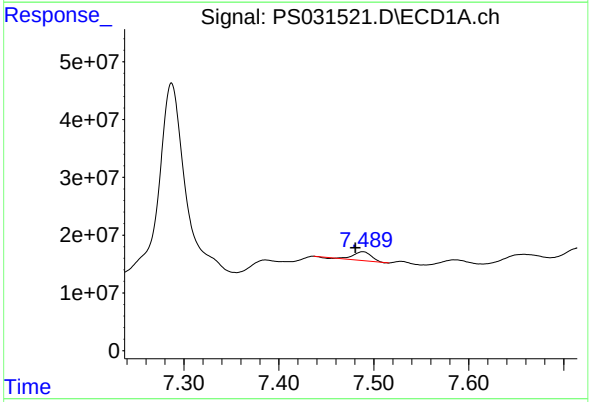
R.T.: 7.287 min
Delta R.T.: -0.008 min
Response: 623091892
Conc: 196.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



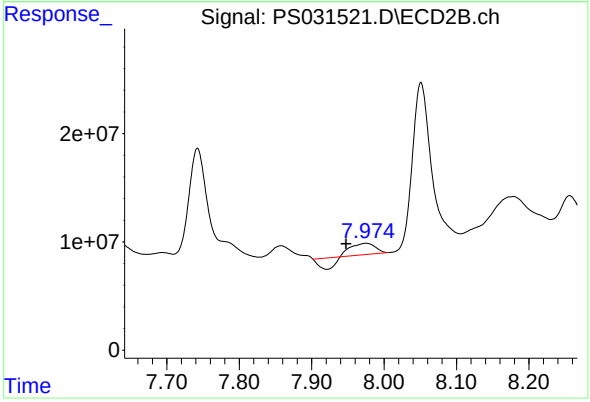
#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 197509685
Conc: 233.65 ng/ml



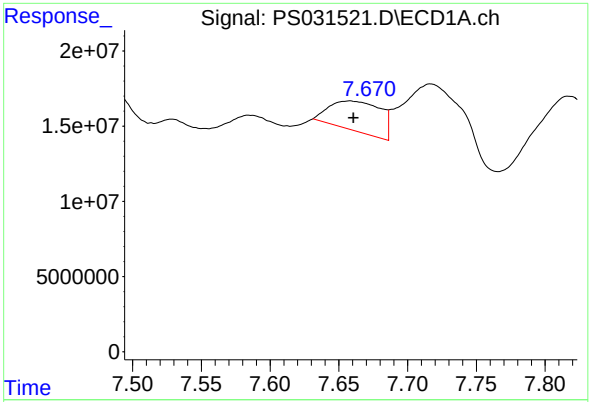
#5 DICAMBA

R.T.: 7.488 min
Delta R.T.: 0.008 min
Response: 19303391
Conc: 1.38 ng/ml



#5 DICAMBA

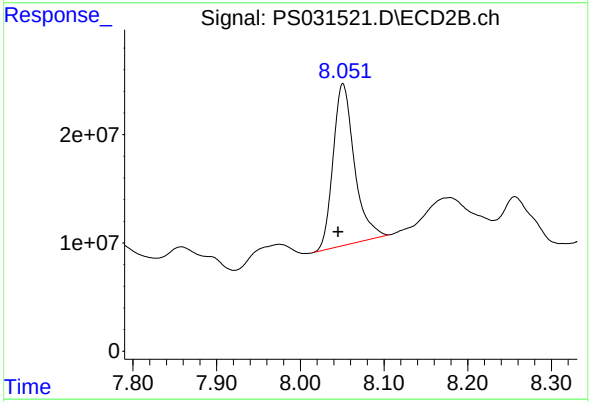
R.T.: 7.975 min
Delta R.T.: 0.027 min
Response: 10581518
Conc: 1.86 ng/ml



#6 MCPP

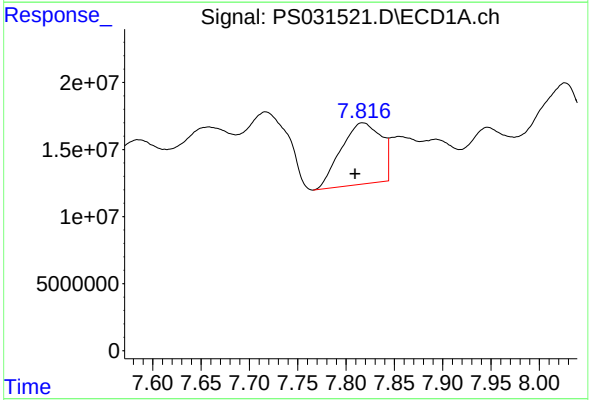
R.T.: 7.658 min
Delta R.T.: -0.003 min
Response: 51774963
Conc: 6.44 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



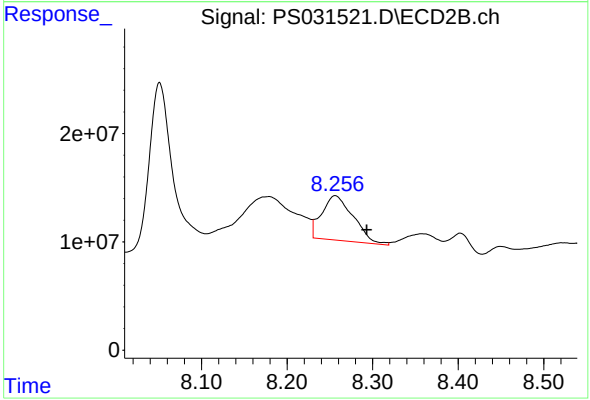
#6 MCPP

R.T.: 8.051 min
Delta R.T.: 0.006 min
Response: 264431013
Conc: 149.58 ug/ml



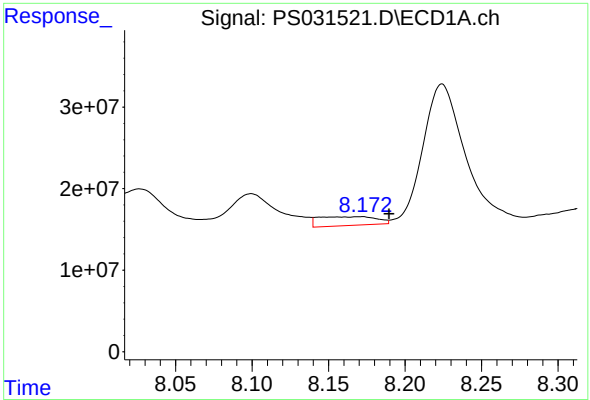
#7 MCPA

R.T.: 7.817 min
Delta R.T.: 0.008 min
Response: 132504156
Conc: 13.30 ug/ml



#7 MCPA

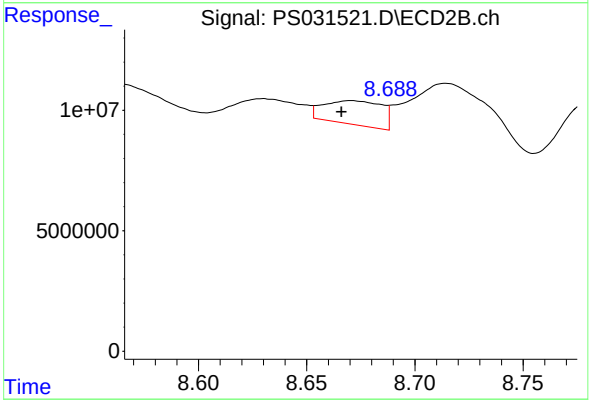
R.T.: 8.256 min
Delta R.T.: -0.037 min
Response: 104990859
Conc: 37.42 ug/ml



#8 DICHLORPROP

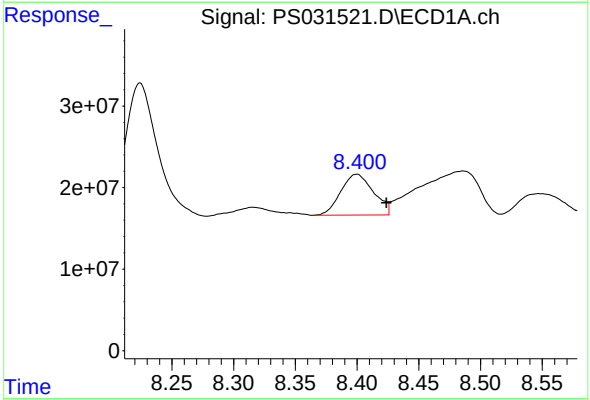
R.T.: 8.172 min
Delta R.T.: -0.017 min
Response: 28741168
Conc: 9.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



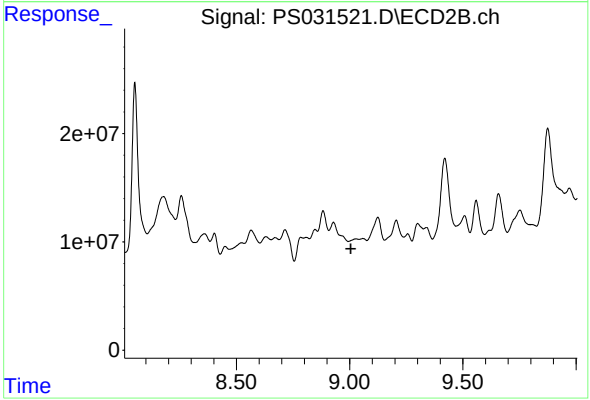
#8 DICHLORPROP

R.T.: 8.671 min
Delta R.T.: 0.005 min
Response: 18516561
Conc: 13.87 ng/ml



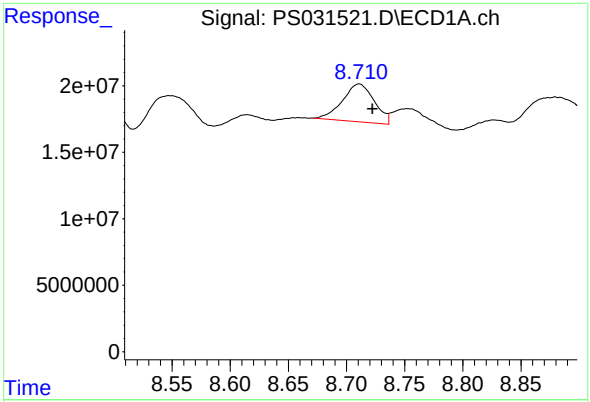
#9 2,4-D

R.T.: 8.400 min
Delta R.T.: -0.024 min
Response: 92393446
Conc: 32.12 ng/ml



#9 2,4-D

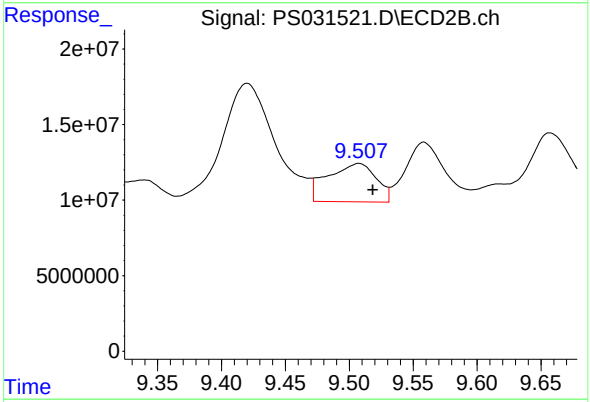
R.T.: 9.028 min
Delta R.T.: 0.022 min
Response: -7106804
Conc: N.D.



#10 Pentachlorophenol

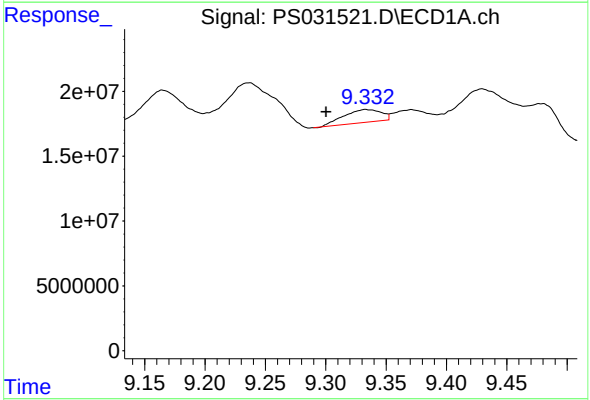
R.T.: 8.711 min
Delta R.T.: -0.011 min
Response: 54397593
Conc: 1.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



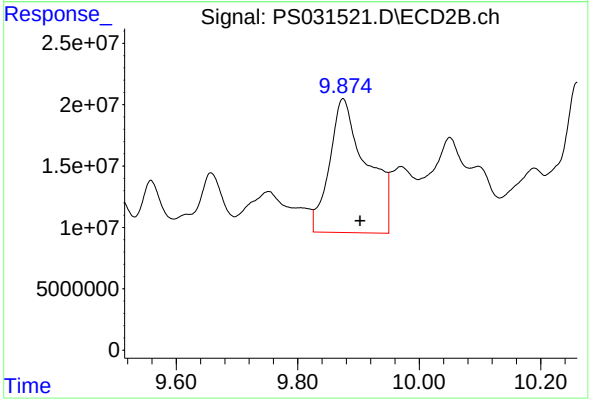
#10 Pentachlorophenol

R.T.: 9.506 min
Delta R.T.: -0.012 min
Response: 66830839
Conc: 1.92 ng/ml



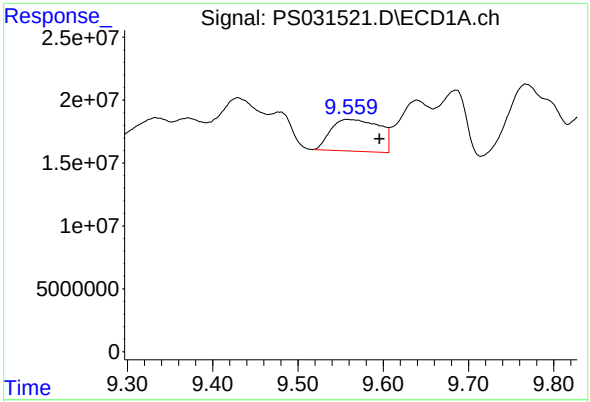
#11 2,4,5-TP (SILVEX)

R.T.: 9.334 min
Delta R.T.: 0.034 min
Response: 21644581
Conc: 1.21 ng/ml



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

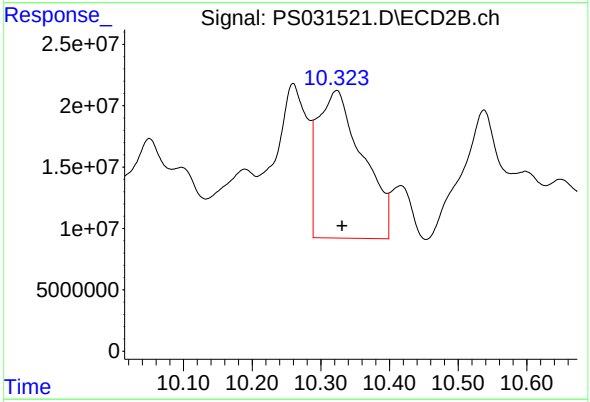
R.T.: 9.875 min
Delta R.T.: -0.028 min
Response: 464029420
Conc: 35.38 ng/ml



#12 2,4,5-T

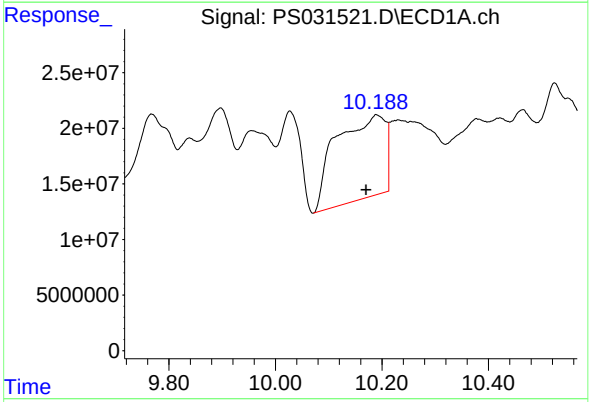
R.T.: 9.558 min
Delta R.T.: -0.037 min
Response: 100354598
Conc: 6.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



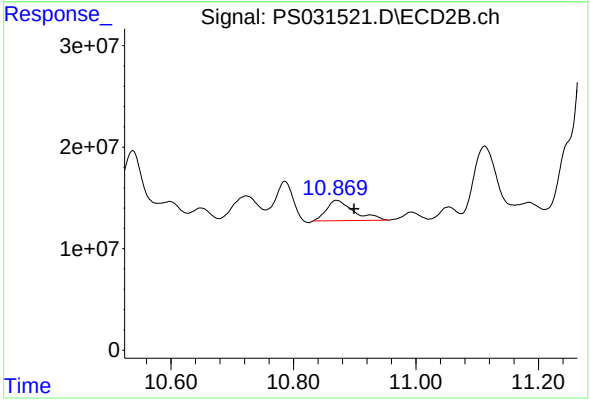
#12 2,4,5-T

R.T.: 10.322 min
Delta R.T.: -0.009 min
Response: 542493293
Conc: 45.82 ng/ml



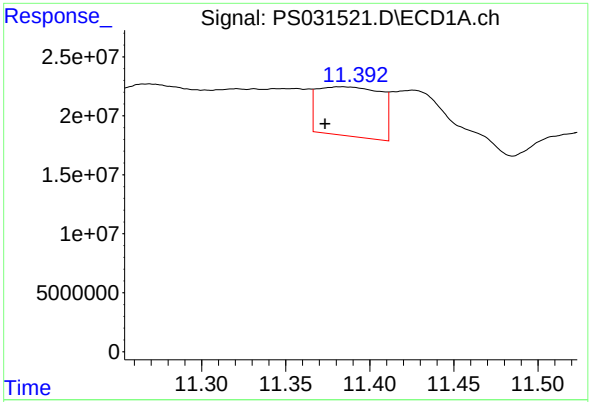
#13 2,4-DB

R.T.: 10.190 min
Delta R.T.: 0.020 min
Response: 478372013
Conc: 248.93 ng/ml



#13 2,4-DB

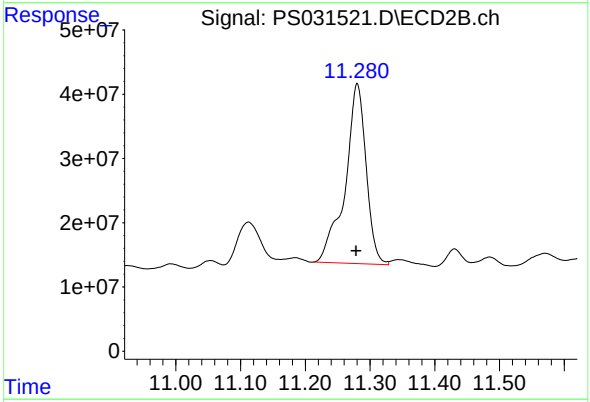
R.T.: 10.871 min
Delta R.T.: -0.028 min
Response: 62167352
Conc: 64.43 ng/ml



#14 DINOSEB

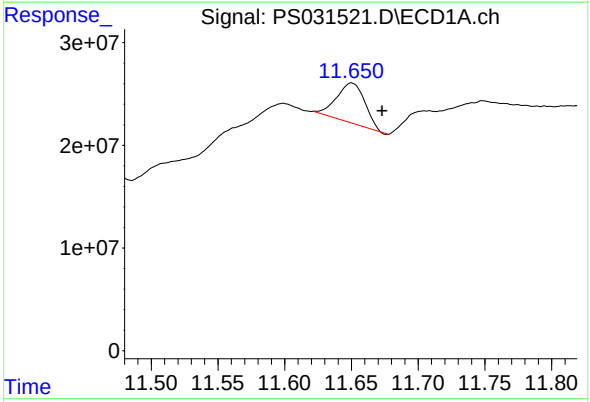
R.T.: 11.383 min
Delta R.T.: 0.010 min
Response: 108883567
Conc: 8.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



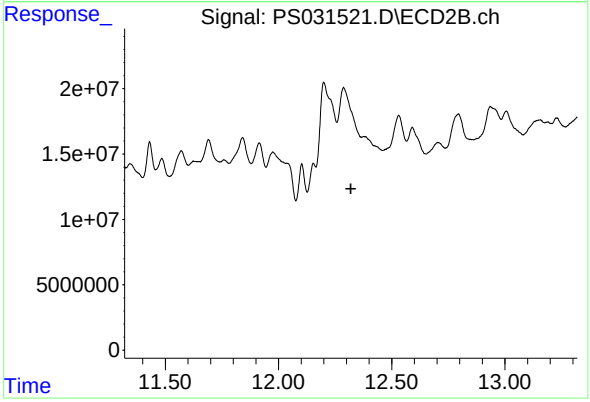
#14 DINOSEB

R.T.: 11.280 min
Delta R.T.: 0.002 min
Response: 630234058
Conc: 66.64 ng/ml



#16 DCPA

R.T.: 11.650 min
Delta R.T.: -0.023 min
Response: 57067096
Conc: 2.51 ng/ml



#16 DCPA

R.T.: 0.000 min
Exp R.T. : 12.320 min
Response: 0
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031522.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 11:59
Operator : AR\AJ
Sample : Q2888-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
4) S	2,4-DCAA	7.284	7.743	1068.5E6	362.7E6	336.631	429.059	#
	Target Compounds							
1) T	Dalapon	2.664	2.689	3198.8E6	1294.1E6	609.412	486.337	
2) T	3,5-DICHL...	6.454	6.694	1086.5E6	288.4E6	230.274	213.360	
3) T	4-Nitroph...	7.088	7.302	8622420	116.3E6	8.358	92.520	#
5) T	DICAMBA	7.472	7.939	3686.5E6	1573.0E6	263.951	276.800	
6) T	MCPP	7.649	8.044	128.7E6	72960606	16.000	41.271	#
7) T	MCPA	7.799	8.280	380.3E6	56667833	38.174	20.199	#
8) T	DICHLORPROP	8.180	8.657	788.9E6	279.1E6	248.679	209.059	
9) T	2,4-D	8.414	8.996	1167.0E6	387.3E6	405.660	271.377	#
10) T	Pentachlo...	8.712	9.510	8606.0E6	5947.5E6	179.245	170.765	
11) T	2,4,5-TP ...	9.289	9.893	4212.3E6	4615.9E6	235.013	351.931	#
12) T	2,4,5-T	9.584	10.322	4208.9E6	3275.2E6	287.276	276.628	
13) T	2,4-DB	10.160	10.889	1182.6E6	231.9E6	615.369	240.319	#
14) T	DINOSEB	11.361	11.279	425.0E6	756.4E6	33.521	79.986	#
15) T	Picloram	11.183	12.384	4458.5E6	4487.7E6	341.541	256.006	#
16) T	DCPA	11.656	12.310	6518.7E6	6769.7E6	286.168	343.631	

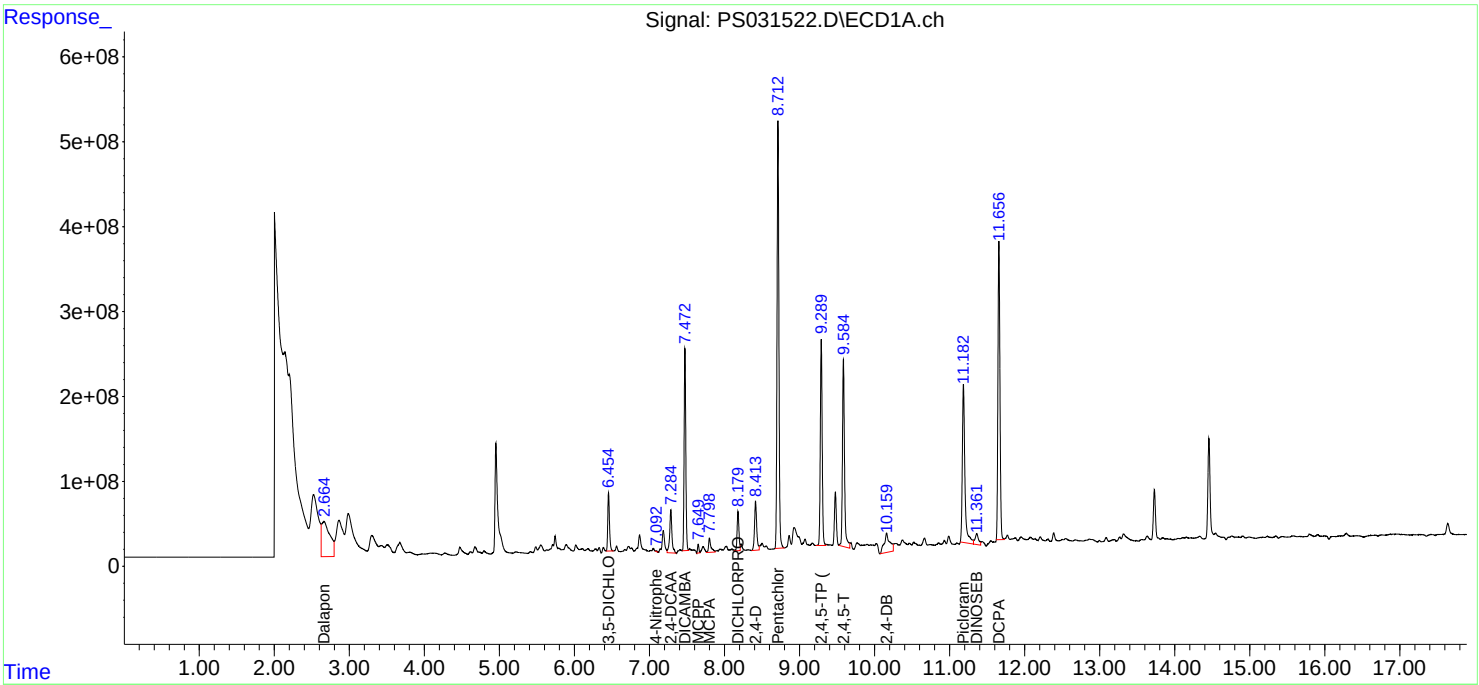
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

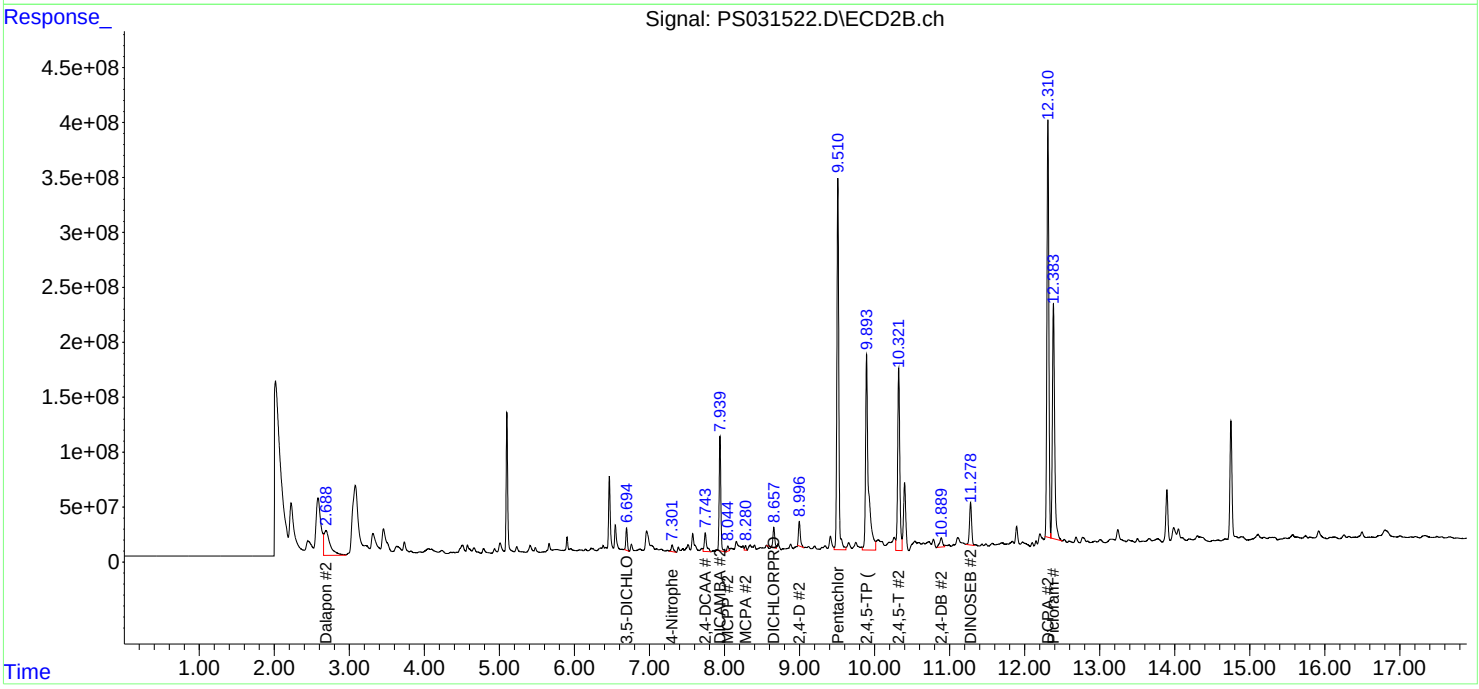
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031522.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 11:59
Operator : AR\AJ
Sample : Q2888-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

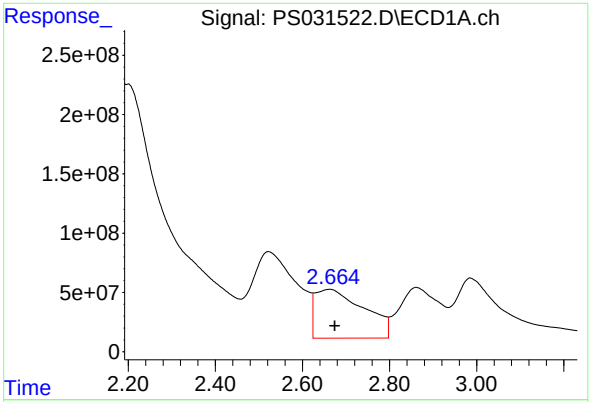
Instrument :
ECD_S
ClientSampleId :
VNJ-210MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



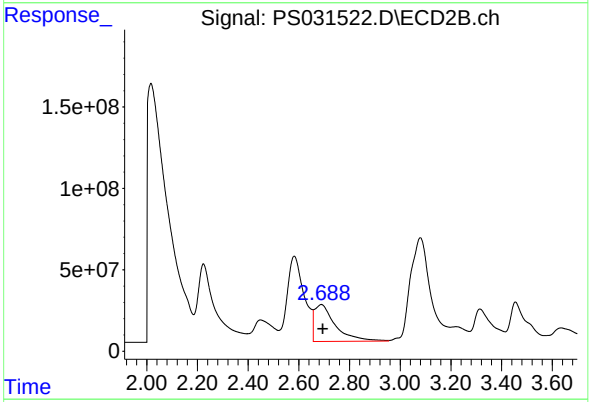




#1 Dalapon

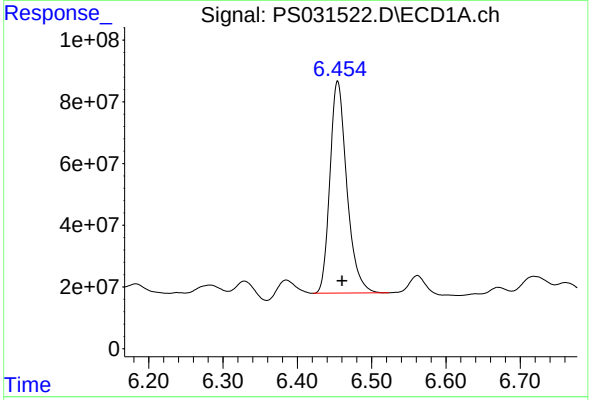
R.T.: 2.664 min
Delta R.T.: -0.010 min
Response: 3198762374
Conc: 609.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS



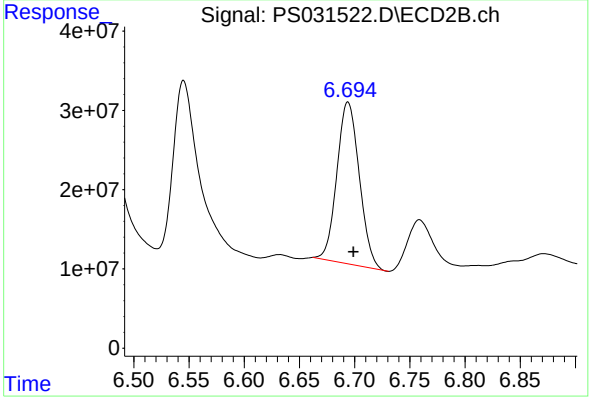
#1 Dalapon

R.T.: 2.689 min
Delta R.T.: -0.006 min
Response: 1294148862
Conc: 486.34 ng/ml



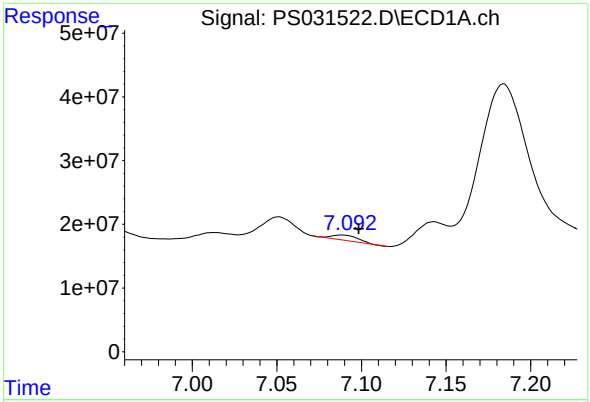
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.454 min
Delta R.T.: -0.006 min
Response: 1086504461
Conc: 230.27 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

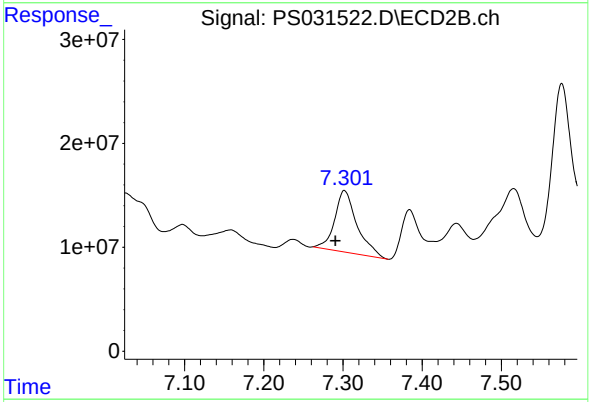
R.T.: 6.694 min
Delta R.T.: -0.005 min
Response: 288447912
Conc: 213.36 ng/ml



#3 4-Nitrophenol

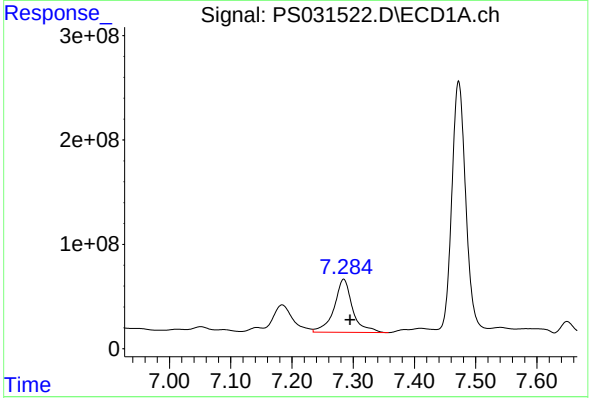
R.T.: 7.088 min
Delta R.T.: -0.010 min
Response: 8622420
Conc: 8.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS



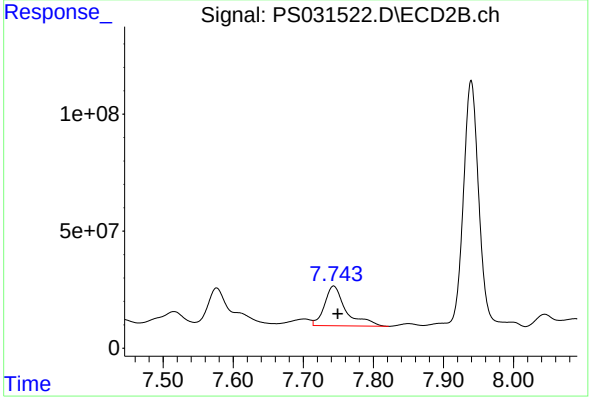
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.011 min
Response: 116286867
Conc: 92.52 ng/ml



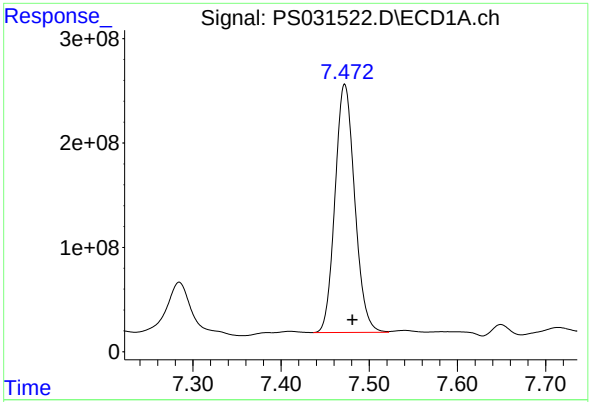
#4 2,4-DCAA

R.T.: 7.284 min
Delta R.T.: -0.010 min
Response: 1068462541
Conc: 336.63 ng/ml



#4 2,4-DCAA

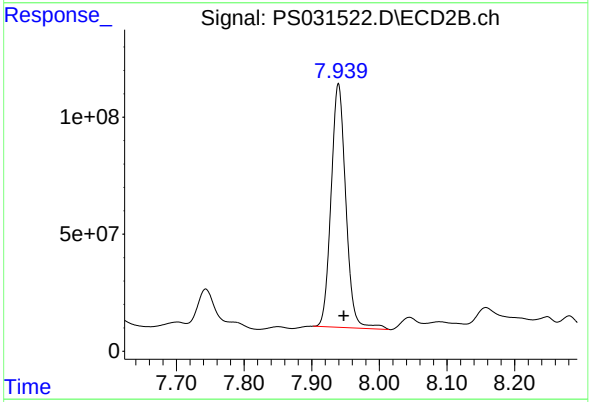
R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 362700880
Conc: 429.06 ng/ml



#5 DICAMBA

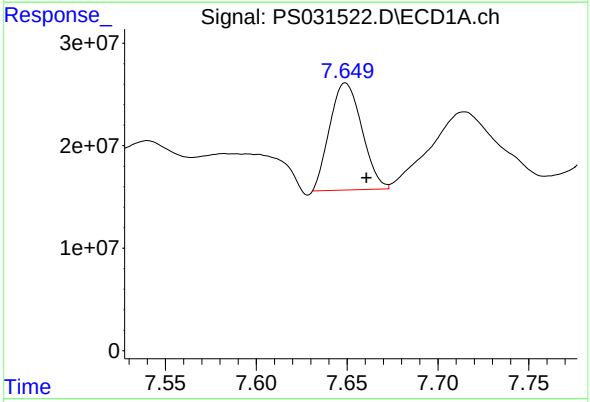
R.T.: 7.472 min
Delta R.T.: -0.009 min
Response: 3686465944
Conc: 263.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS



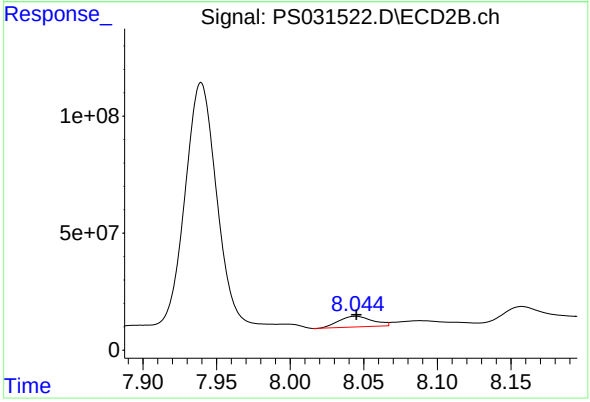
#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: -0.008 min
Response: 1572971234
Conc: 276.80 ng/ml



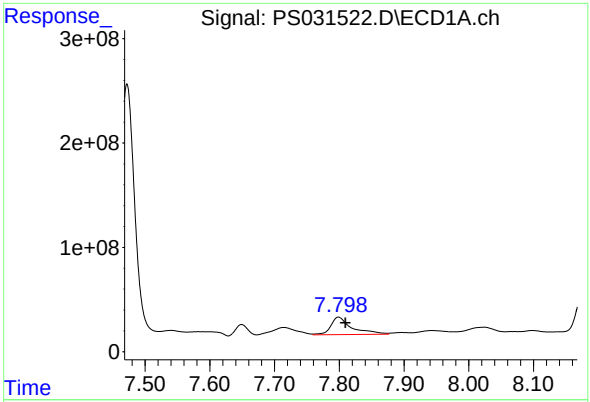
#6 MCPP

R.T.: 7.649 min
Delta R.T.: -0.011 min
Response: 128720448
Conc: 16.00 ug/ml



#6 MCPP

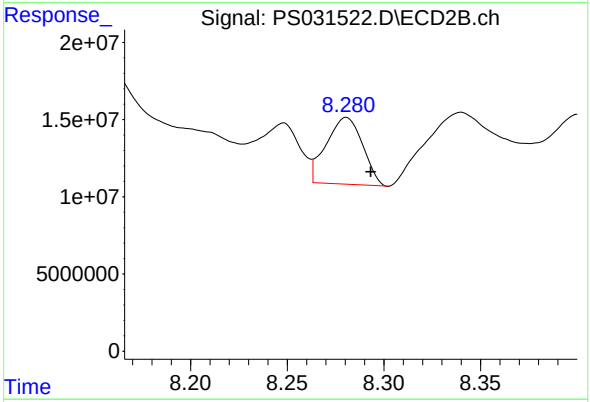
R.T.: 8.044 min
Delta R.T.: 0.000 min
Response: 72960606
Conc: 41.27 ug/ml



#7 MCPA

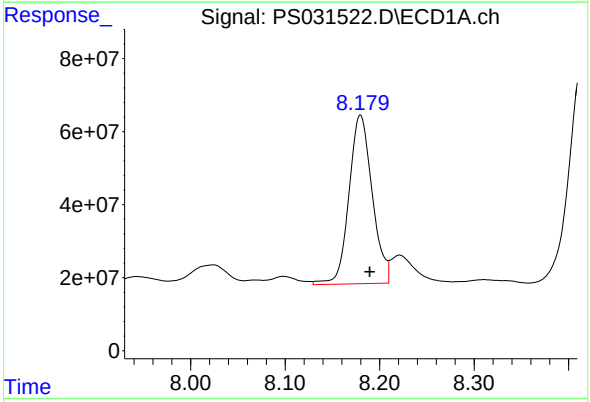
R.T.: 7.799 min
Delta R.T.: -0.010 min
Response: 380259614
Conc: 38.17 ug/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS



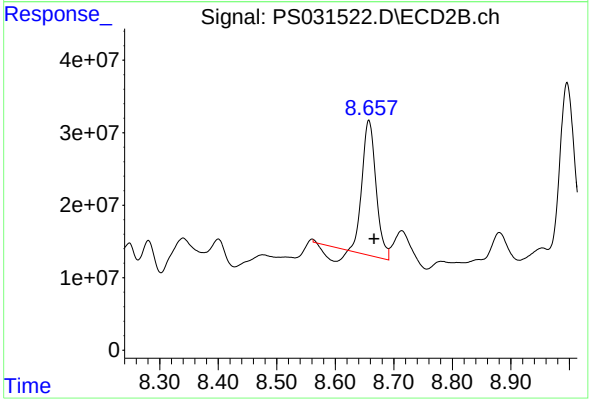
#7 MCPA

R.T.: 8.280 min
Delta R.T.: -0.013 min
Response: 56667833
Conc: 20.20 ug/ml



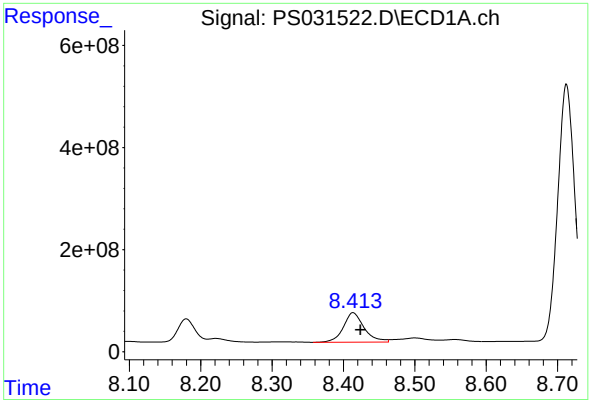
#8 DICHLORPROP

R.T.: 8.180 min
Delta R.T.: -0.010 min
Response: 788915330
Conc: 248.68 ng/ml



#8 DICHLORPROP

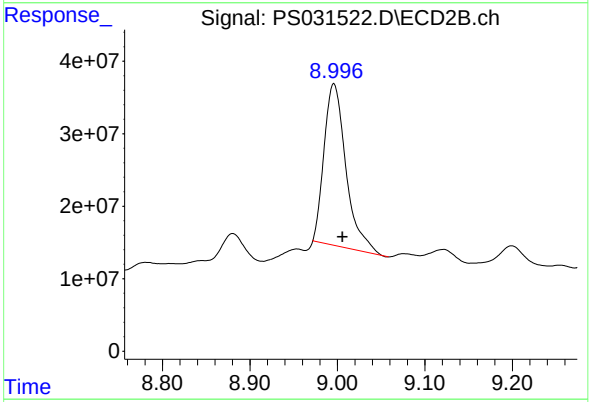
R.T.: 8.657 min
Delta R.T.: -0.009 min
Response: 279100788
Conc: 209.06 ng/ml



#9 2,4-D

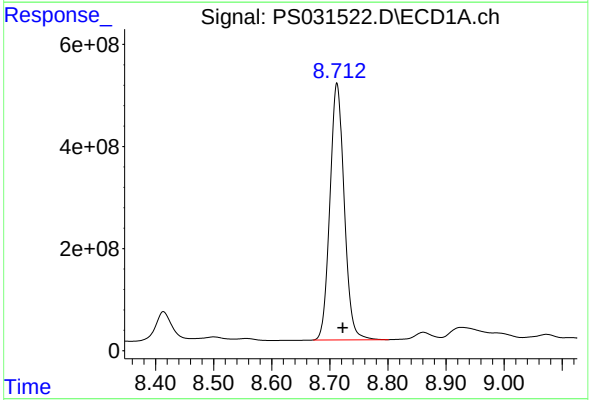
R.T.: 8.414 min
Delta R.T.: -0.010 min
Response: 1167009074
Conc: 405.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS



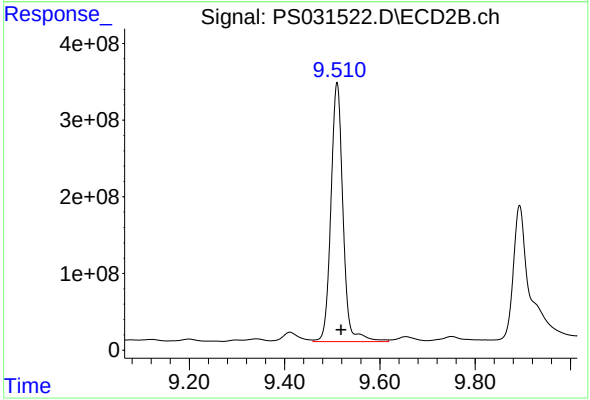
#9 2,4-D

R.T.: 8.996 min
Delta R.T.: -0.010 min
Response: 387332443
Conc: 271.38 ng/ml



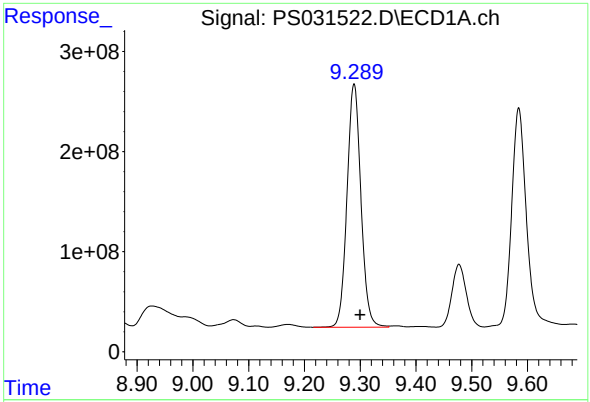
#10 Pentachlorophenol

R.T.: 8.712 min
Delta R.T.: -0.010 min
Response: 8605966478
Conc: 179.24 ng/ml



#10 Pentachlorophenol

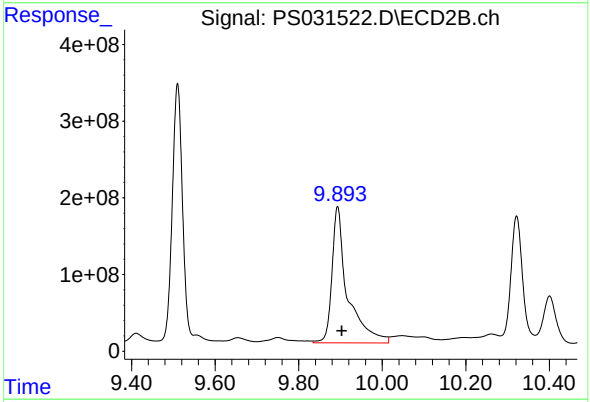
R.T.: 9.510 min
Delta R.T.: -0.008 min
Response: 5947480728
Conc: 170.77 ng/ml



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

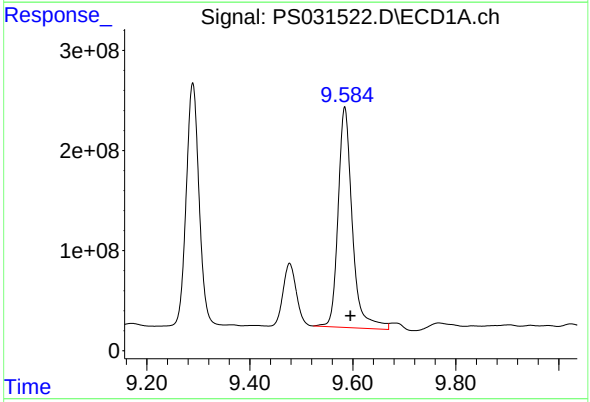
R.T.: 9.289 min
Delta R.T.: -0.011 min
Response: 4212304488
Conc: 235.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS



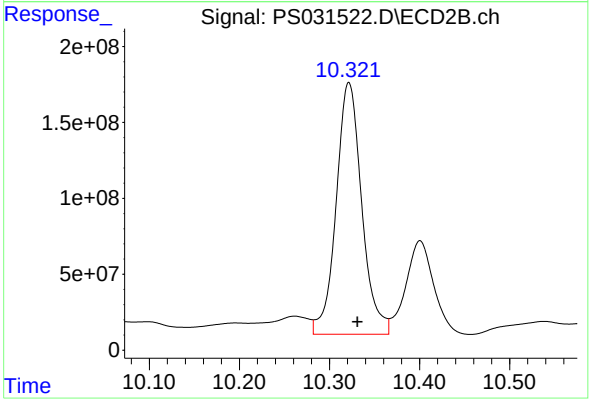
#11 2,4,5-TP (SILVEX)

R.T.: 9.893 min
Delta R.T.: -0.010 min
Response: 4615930878
Conc: 351.93 ng/ml



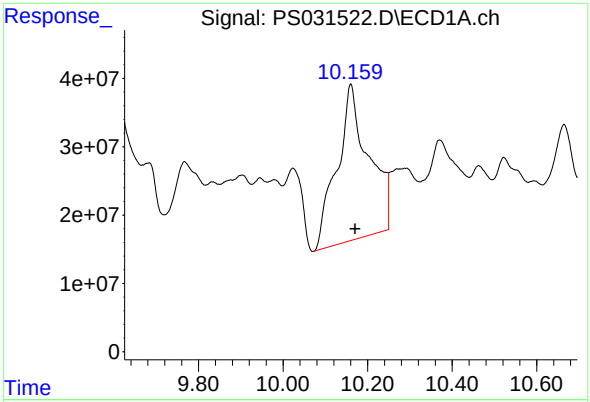
#12 2,4,5-T

R.T.: 9.584 min
Delta R.T.: -0.011 min
Response: 4208942344
Conc: 287.28 ng/ml



#12 2,4,5-T

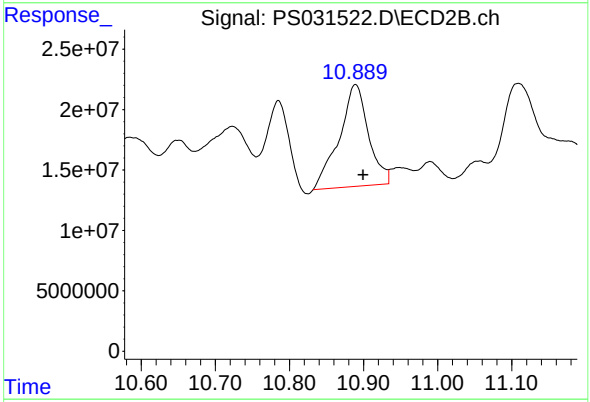
R.T.: 10.322 min
Delta R.T.: -0.009 min
Response: 3275211970
Conc: 276.63 ng/ml



#13 2,4-DB

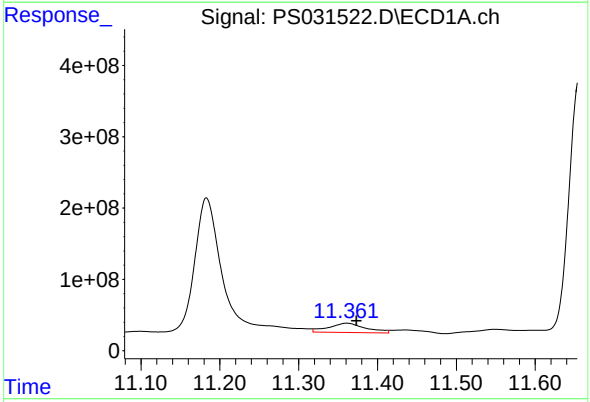
R.T.: 10.160 min
Delta R.T.: -0.010 min
Response: 1182566904
Conc: 615.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS



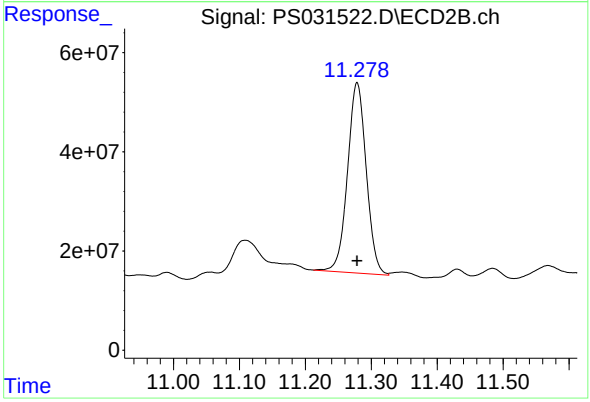
#13 2,4-DB

R.T.: 10.889 min
Delta R.T.: -0.010 min
Response: 231871101
Conc: 240.32 ng/ml



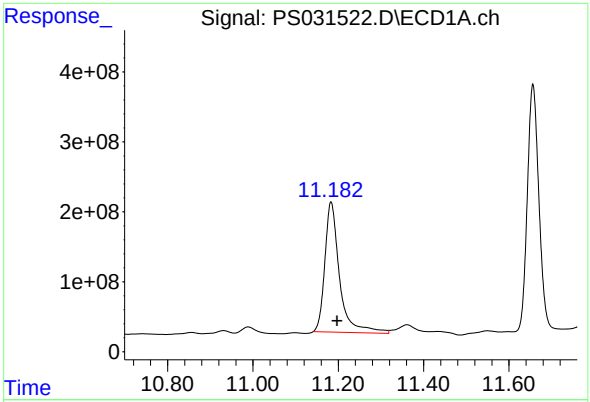
#14 DINOSEB

R.T.: 11.361 min
Delta R.T.: -0.013 min
Response: 424992115
Conc: 33.52 ng/ml



#14 DINOSEB

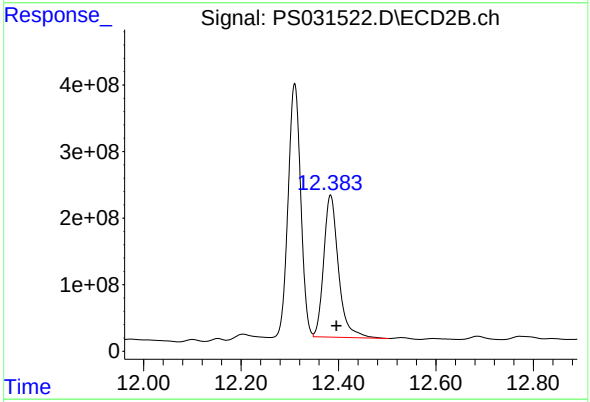
R.T.: 11.279 min
Delta R.T.: 0.000 min
Response: 756425760
Conc: 79.99 ng/ml



#15 Picloram

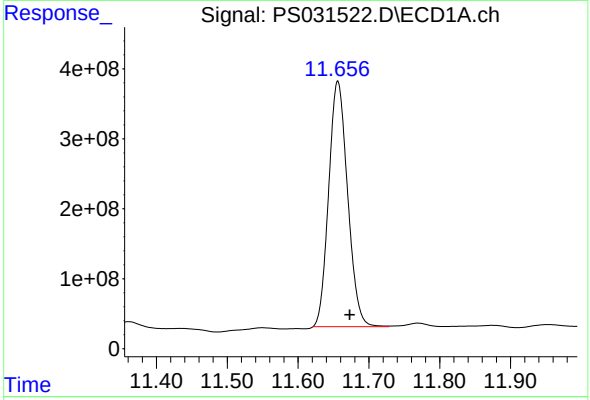
R.T.: 11.183 min
Delta R.T.: -0.014 min
Response: 4458523763
Conc: 341.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MS



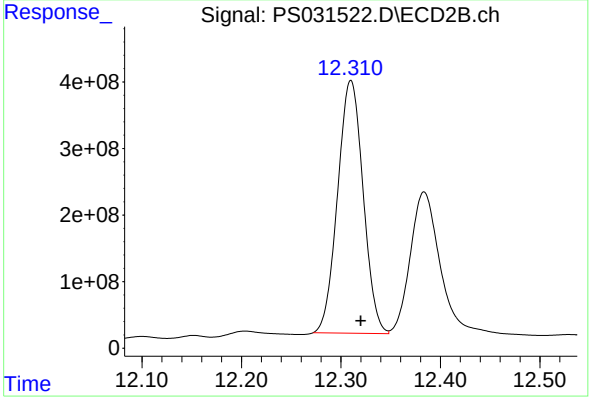
#15 Picloram

R.T.: 12.384 min
Delta R.T.: -0.012 min
Response: 4487709582
Conc: 256.01 ng/ml



#16 DCPA

R.T.: 11.656 min
Delta R.T.: -0.017 min
Response: 6518708757
Conc: 286.17 ng/ml



#16 DCPA

R.T.: 12.310 min
Delta R.T.: -0.010 min
Response: 6769663693
Conc: 343.63 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 14:23
Operator : AR\AJ
Sample : Q2888-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:46:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
4)	S	2,4-DCAA	7.285	7.739	1093.1E6	386.2E6	344.403	456.811	#
		Target Compounds							
1)	T	Dalapon	2.661	2.683	3207.9E6	1267.9E6	611.144	476.487	
2)	T	3,5-DICHL...	6.454	6.689	1104.6E6	288.9E6	234.103	213.661	
3)	T	4-Nitroph...	7.090	7.298	10626252	113.6E6	10.300	90.358	#
5)	T	DICAMBA	7.473	7.935	3711.1E6	1595.7E6	265.715	280.795	
6)	T	MCPP	7.650	8.040	126.0E6	69496962	15.664	39.312	#
7)	T	MCPA	7.800	8.277	411.2E6	46996630	41.283	16.752	#
8)	T	DICHLORPROP	8.181	8.653	834.8E6	299.7E6	263.144	224.511	
9)	T	2,4-D	8.415	8.992	1191.0E6	330.8E6	414.008	231.770	#
10)	T	Pentachlo...	8.714	9.506	8691.1E6	5903.8E6	181.017	169.512	
11)	T	2,4,5-TP ...	9.292	9.890	4274.7E6	4620.7E6	238.495	352.292	#
12)	T	2,4,5-T	9.586	10.318	4311.2E6	3270.6E6	294.257	276.237	
13)	T	2,4-DB	10.162	10.886	1215.2E6	226.0E6	632.346	234.226	#
14)	T	DINOSEB	11.364	11.276	469.4E6	759.3E6	37.020	80.287	#
15)	T	Picloram	11.187	12.381	4694.1E6	4573.5E6	359.584	260.901	#
16)	T	DCPA	11.661	12.308	6704.2E6	6694.1E6	294.309	339.795	

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

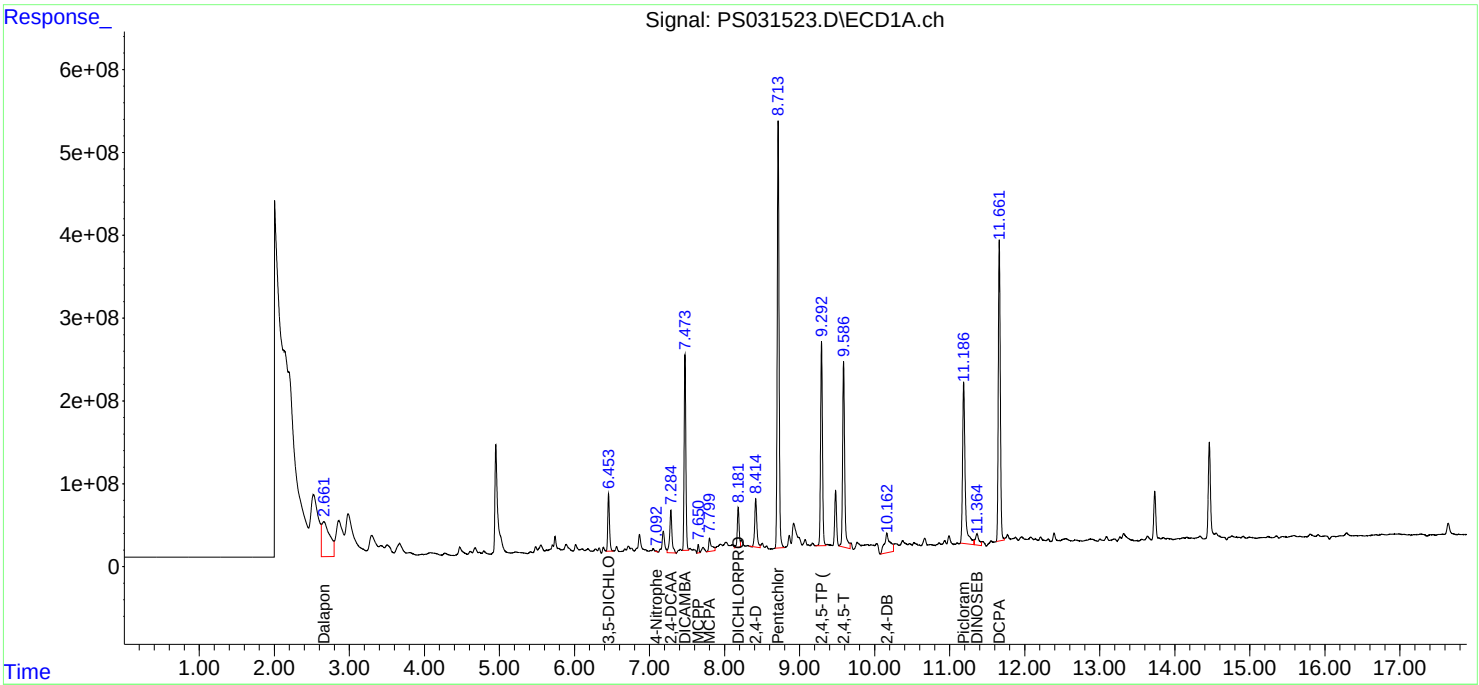
Quantitation Report (Not Reviewed)

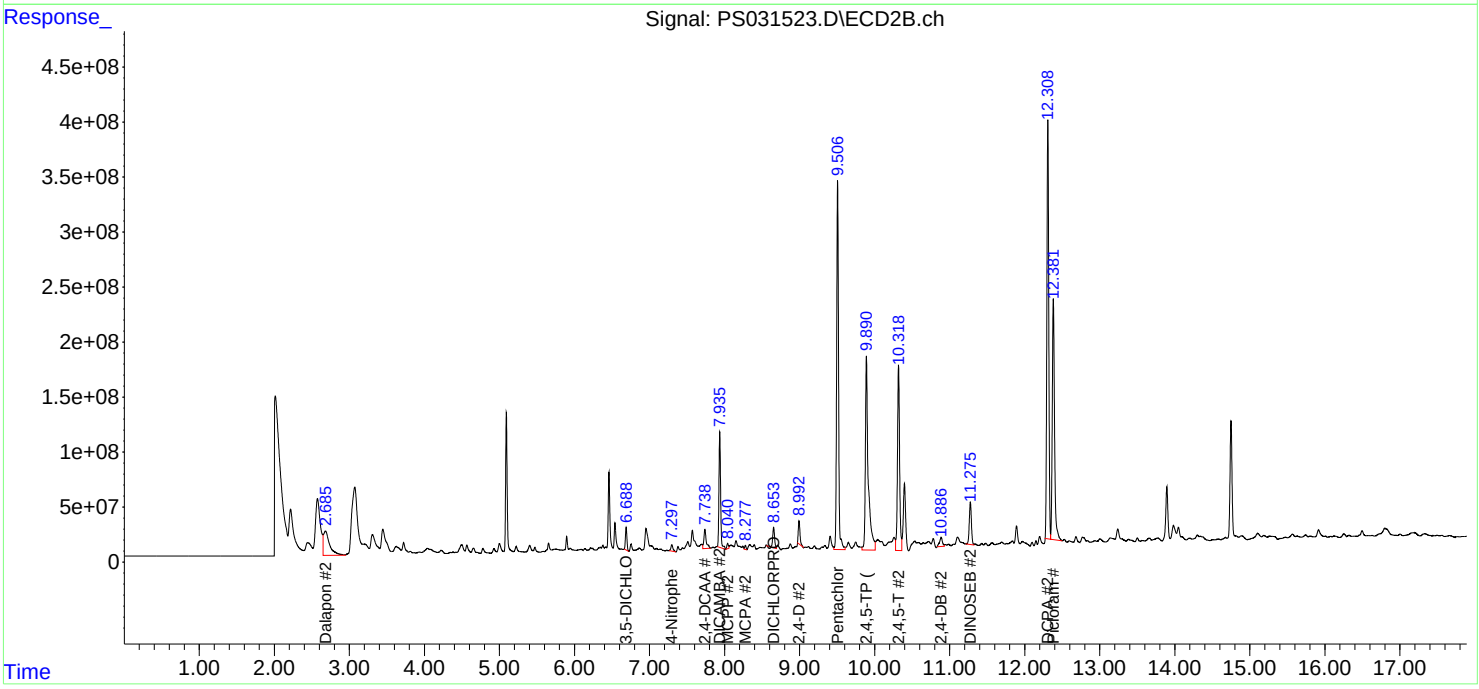
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 14:23
Operator : AR\AJ
Sample : Q2888-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

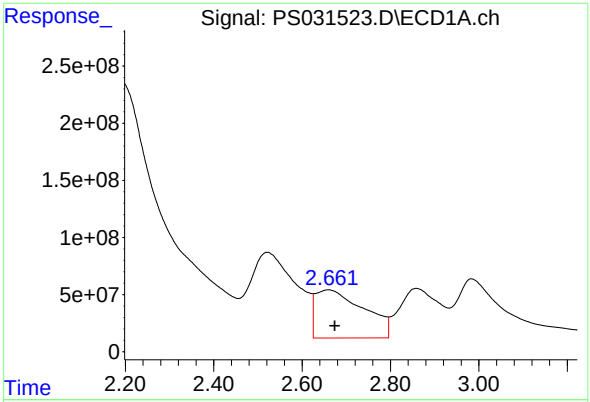
Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:46:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



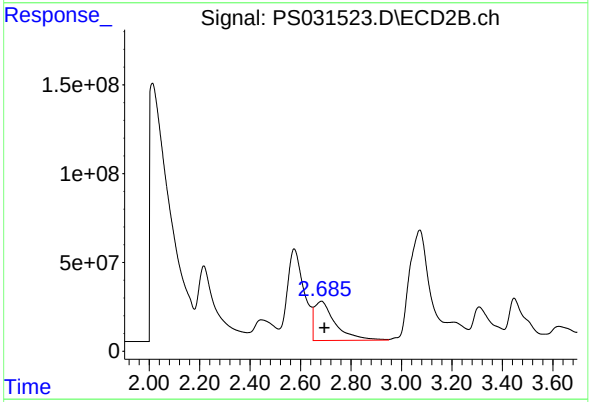




#1 Dalapon

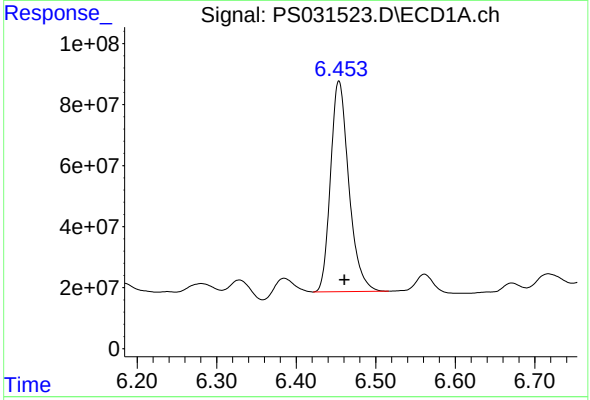
R.T.: 2.661 min
Delta R.T.: -0.013 min
Response: 3207857506
Conc: 611.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD



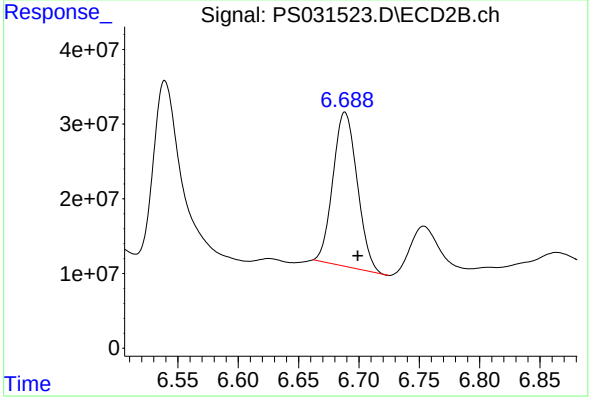
#1 Dalapon

R.T.: 2.683 min
Delta R.T.: -0.012 min
Response: 1267938222
Conc: 476.49 ng/ml



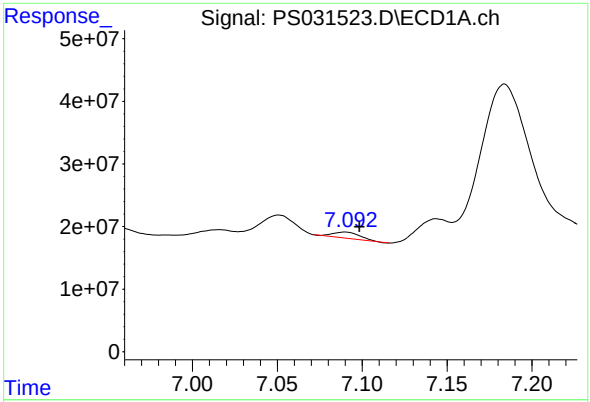
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.454 min
Delta R.T.: -0.007 min
Response: 1104569806
Conc: 234.10 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

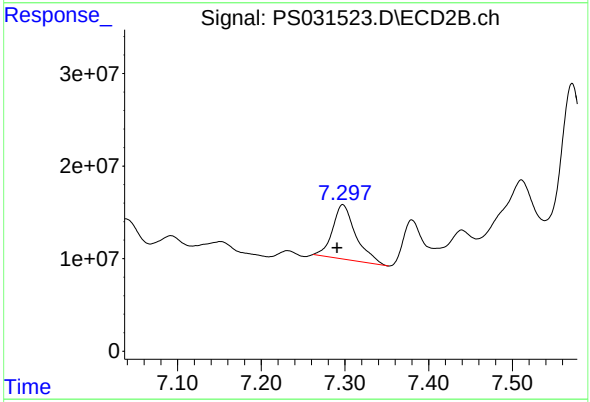
R.T.: 6.689 min
Delta R.T.: -0.010 min
Response: 288854093
Conc: 213.66 ng/ml



#3 4-Nitrophenol

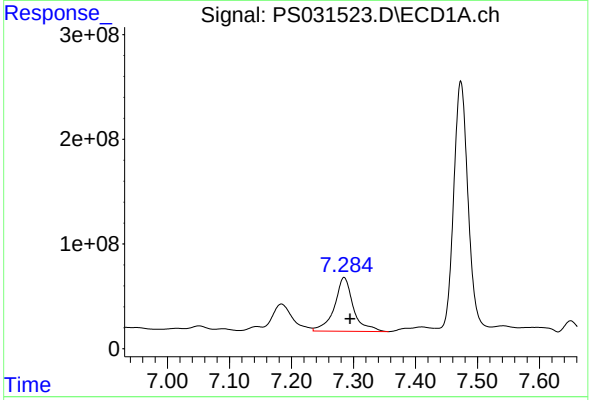
R.T.: 7.090 min
Delta R.T.: -0.009 min
Response: 10626252
Conc: 10.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD



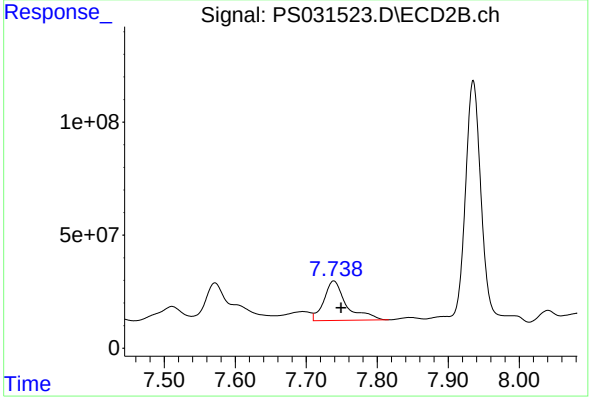
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: 0.007 min
Response: 113569910
Conc: 90.36 ng/ml



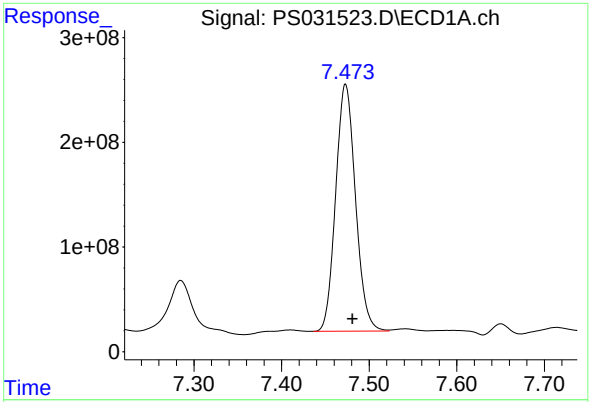
#4 2,4-DCAA

R.T.: 7.285 min
Delta R.T.: -0.010 min
Response: 1093129528
Conc: 344.40 ng/ml



#4 2,4-DCAA

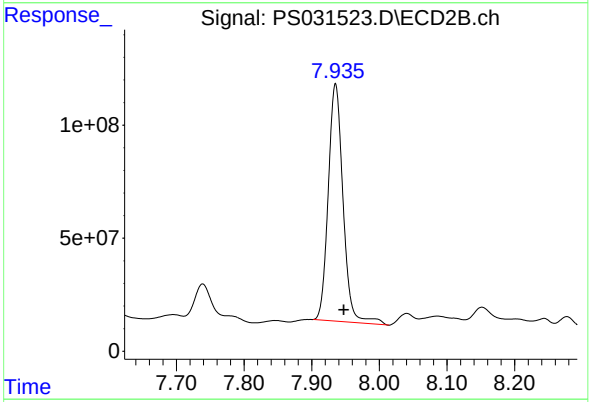
R.T.: 7.739 min
Delta R.T.: -0.010 min
Response: 386160641
Conc: 456.81 ng/ml



#5 DICAMBA

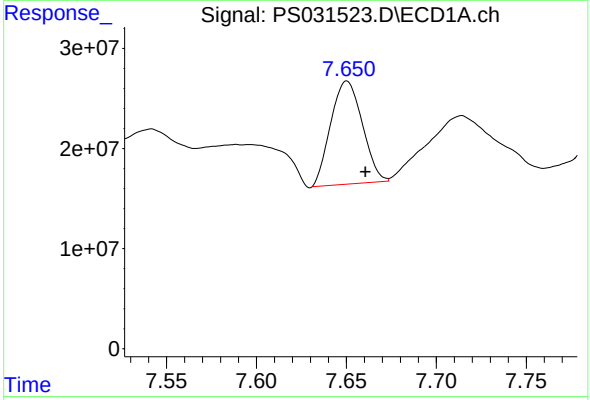
R.T.: 7.473 min
Delta R.T.: -0.008 min
Response: 3711104427
Conc: 265.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD



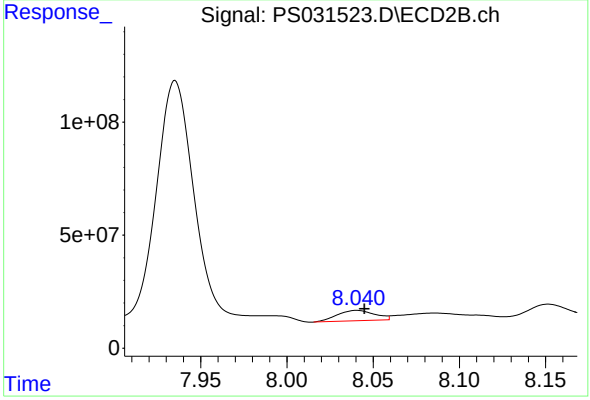
#5 DICAMBA

R.T.: 7.935 min
Delta R.T.: -0.012 min
Response: 1595669654
Conc: 280.79 ng/ml



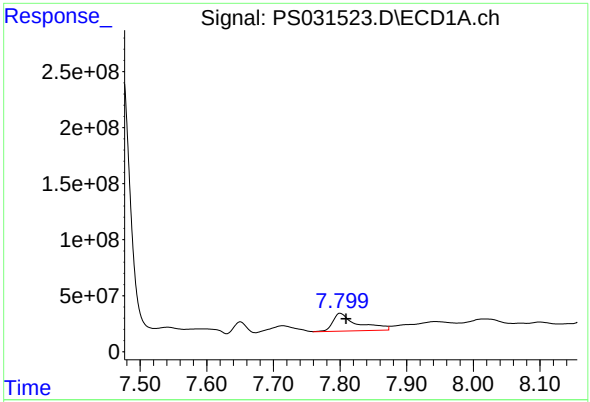
#6 MCPP

R.T.: 7.650 min
Delta R.T.: -0.010 min
Response: 126015952
Conc: 15.66 ug/ml



#6 MCPP

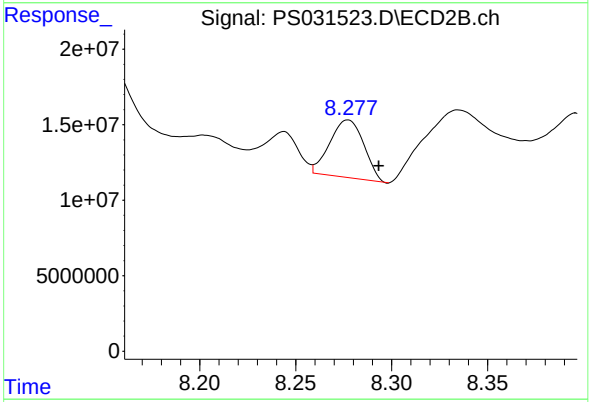
R.T.: 8.040 min
Delta R.T.: -0.004 min
Response: 69496962
Conc: 39.31 ug/ml



#7 MCPA

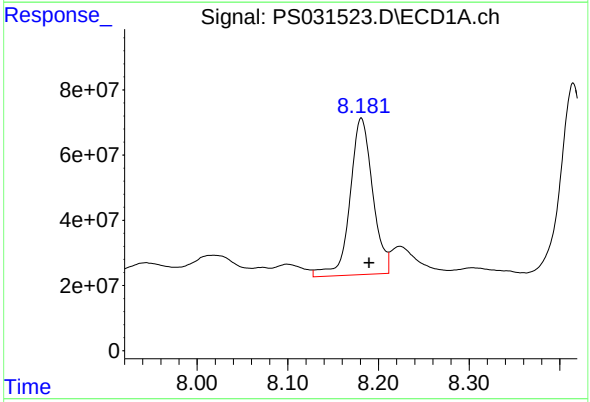
R.T.: 7.800 min
Delta R.T.: -0.009 min
Response: 411229323
Conc: 41.28 ug/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD



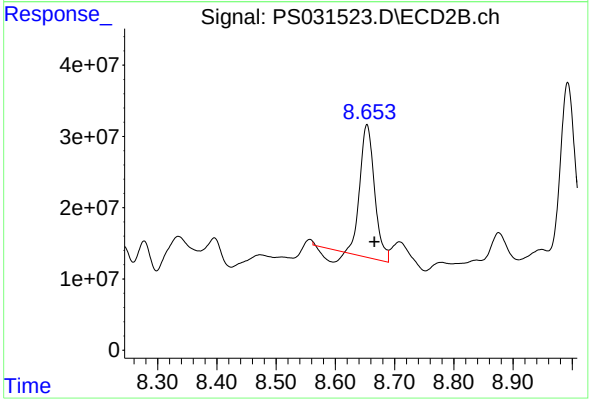
#7 MCPA

R.T.: 8.277 min
Delta R.T.: -0.016 min
Response: 46996630
Conc: 16.75 ug/ml



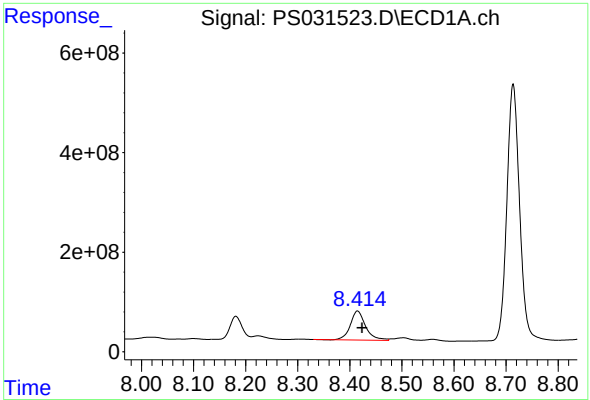
#8 DICHLORPROP

R.T.: 8.181 min
Delta R.T.: -0.008 min
Response: 834806573
Conc: 263.14 ng/ml



#8 DICHLORPROP

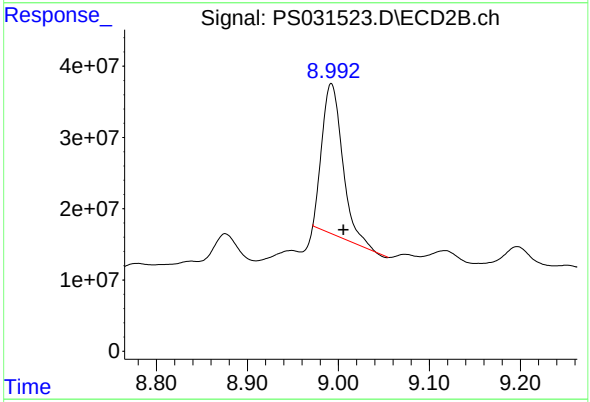
R.T.: 8.653 min
Delta R.T.: -0.013 min
Response: 299729463
Conc: 224.51 ng/ml



#9 2,4-D

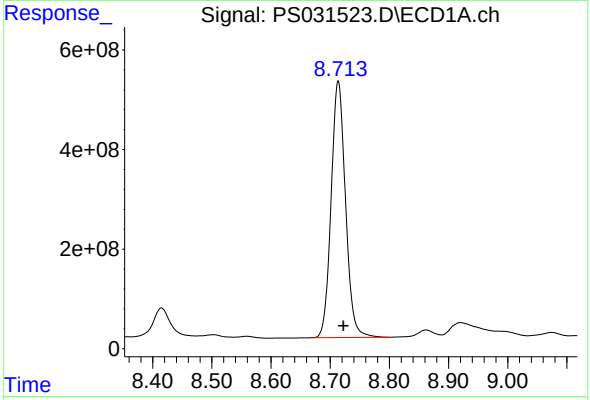
R.T.: 8.415 min
Delta R.T.: -0.009 min
Response: 1191025681
Conc: 414.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD



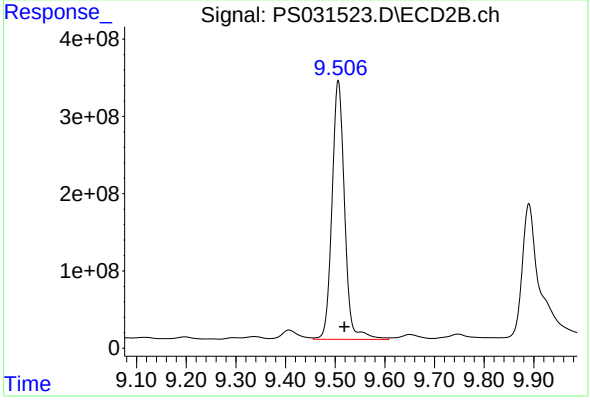
#9 2,4-D

R.T.: 8.992 min
Delta R.T.: -0.013 min
Response: 330802936
Conc: 231.77 ng/ml



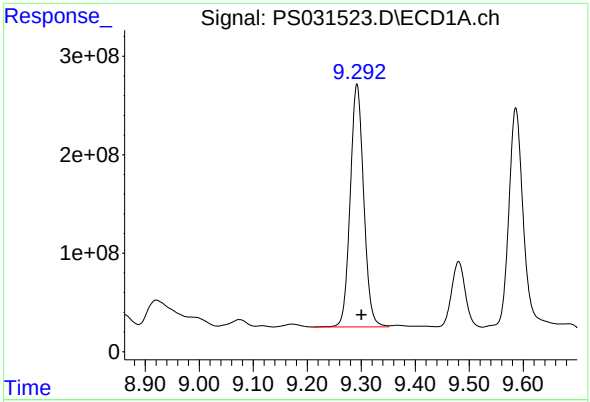
#10 Pentachlorophenol

R.T.: 8.714 min
Delta R.T.: -0.009 min
Response: 8691067977
Conc: 181.02 ng/ml



#10 Pentachlorophenol

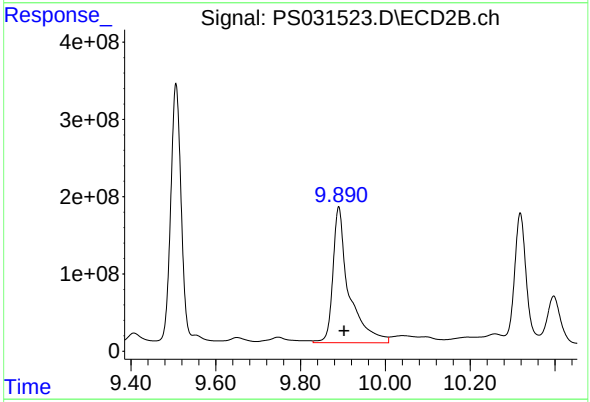
R.T.: 9.506 min
Delta R.T.: -0.012 min
Response: 5903822157
Conc: 169.51 ng/ml



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

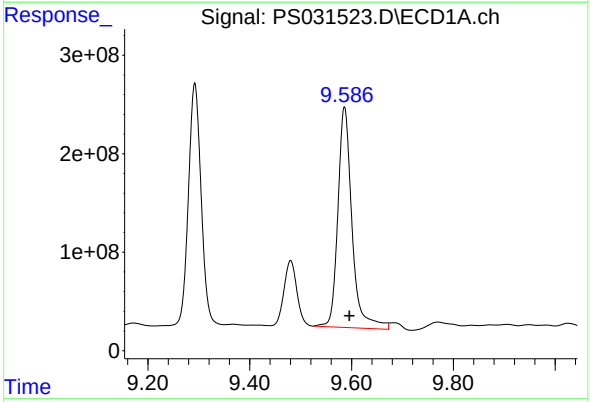
R.T.: 9.292 min
Delta R.T.: -0.008 min
Response: 4274706573
Conc: 238.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD



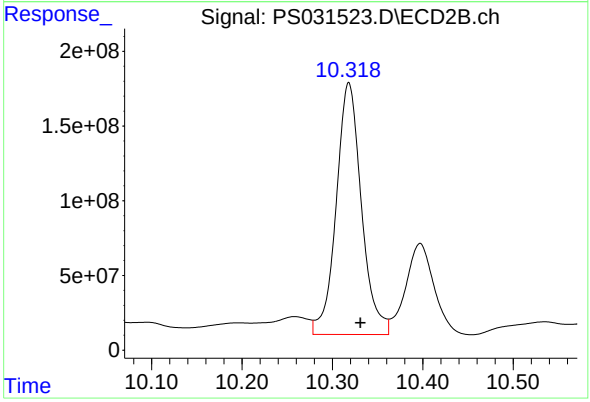
#11 2,4,5-TP (SILVEX)

R.T.: 9.890 min
Delta R.T.: -0.013 min
Response: 4620668007
Conc: 352.29 ng/ml



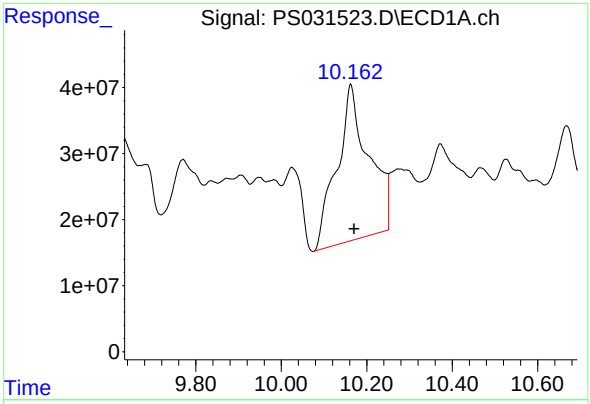
#12 2,4,5-T

R.T.: 9.586 min
Delta R.T.: -0.009 min
Response: 4311221985
Conc: 294.26 ng/ml



#12 2,4,5-T

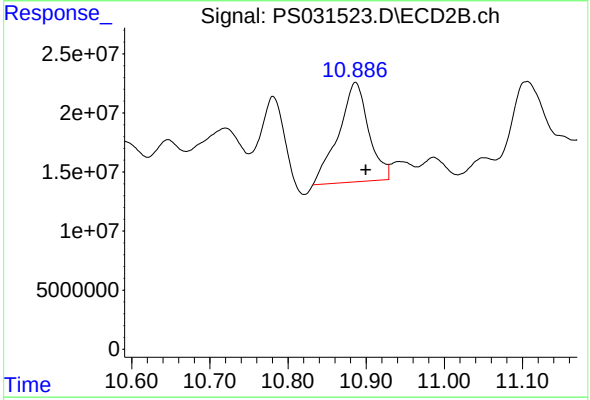
R.T.: 10.318 min
Delta R.T.: -0.013 min
Response: 3270579293
Conc: 276.24 ng/ml



#13 2,4-DB

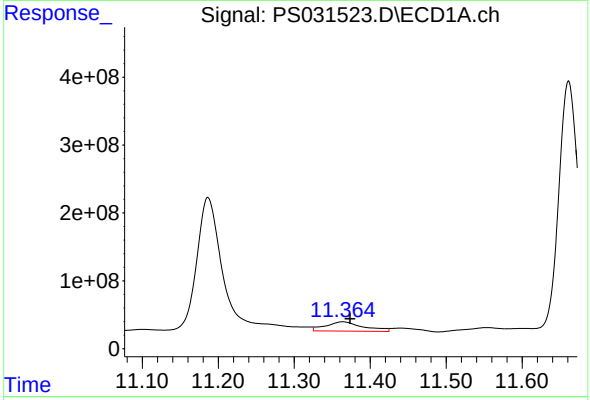
R.T.: 10.162 min
Delta R.T.: -0.008 min
Response: 1215191770
Conc: 632.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD



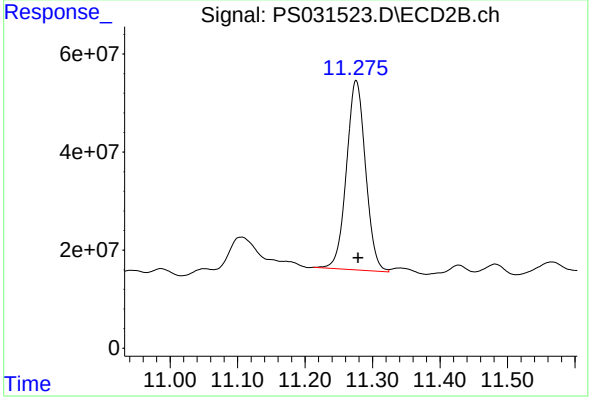
#13 2,4-DB

R.T.: 10.886 min
Delta R.T.: -0.013 min
Response: 225991805
Conc: 234.23 ng/ml



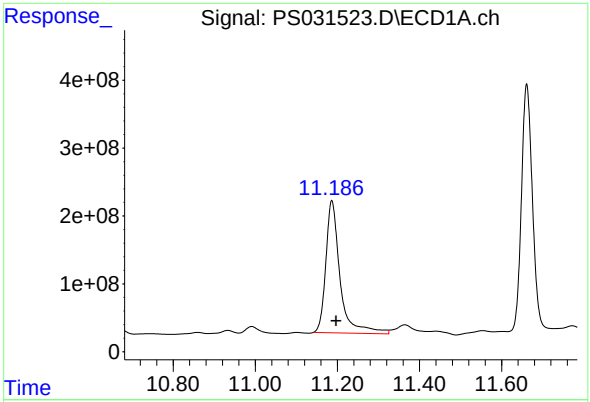
#14 DINOSEB

R.T.: 11.364 min
Delta R.T.: -0.010 min
Response: 469361282
Conc: 37.02 ng/ml



#14 DINOSEB

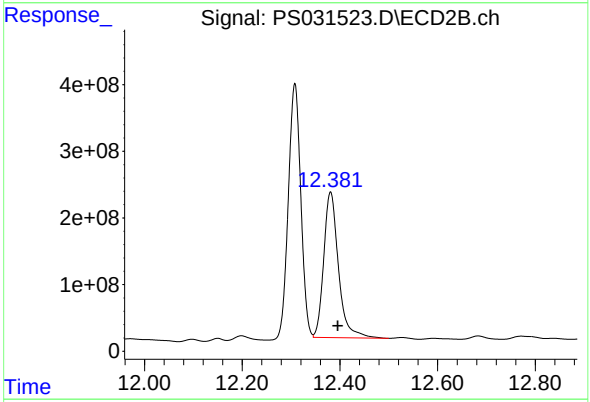
R.T.: 11.276 min
Delta R.T.: -0.003 min
Response: 759268873
Conc: 80.29 ng/ml



#15 Picloram

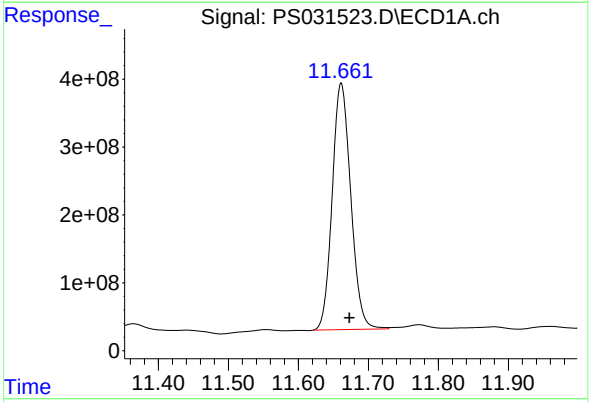
R.T.: 11.187 min
Delta R.T.: -0.011 min
Response: 4694058427
Conc: 359.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
VNJ-210MSD



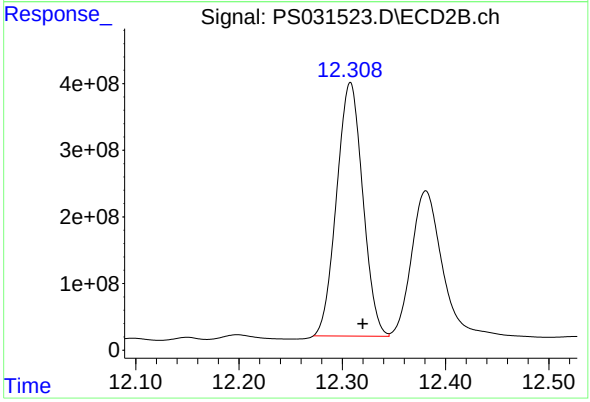
#15 Picloram

R.T.: 12.381 min
Delta R.T.: -0.015 min
Response: 4573525949
Conc: 260.90 ng/ml



#16 DCPA

R.T.: 11.661 min
Delta R.T.: -0.012 min
Response: 6704158396
Conc: 294.31 ng/ml



#16 DCPA

R.T.: 12.308 min
Delta R.T.: -0.012 min
Response: 6694093722
Conc: 339.79 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 15:11
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 20 16:47:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.287	7.742	2406.1E6	614.2E6	758.061	726.615
	Target Compounds						
1) T	Dalapon	2.676	2.694	3168.0E6	1567.1E6	603.560	588.908
2) T	3,5-DICHL...	6.454	6.694	3385.7E6	927.0E6	717.556	685.650
3) T	4-Nitroph...	7.092	7.286	649.8E6	761.3E6	629.892	605.738
5) T	DICAMBA	7.472	7.940	9974.0E6	3974.3E6	714.137	699.363
6) T	MCPP	7.651	8.038	554.4E6	116.7E6	68.908	66.039
7) T	MCPA	7.800	8.285	720.5E6	180.3E6	72.333	64.265
8) T	DICHLORPROP	8.179	8.658	2264.7E6	891.1E6	713.879	667.459
9) T	2,4-D	8.413	8.997	2184.5E6	897.5E6	759.363	628.808
10) T	Pentachlo...	8.712	9.510	37022.9E6	25572.9E6	771.110	734.254
11) T	2,4,5-TP ...	9.289	9.894	13600.8E6	9311.4E6	758.816	709.926
12) T	2,4,5-T	9.584	10.322	11404.3E6	8543.3E6	778.382	721.579
13) T	2,4-DB	10.159	10.889	1651.4E6	646.8E6	859.314	670.322
14) T	DINOSEB	11.361	11.268	9331.0E6	6398.7E6	735.976	676.615
15) T	Picloram	11.185	12.386	10678.6E6	13212.5E6	818.027	753.720
16) T	DCPA	11.660	12.310	17794.3E6	14714.0E6	781.161	746.889

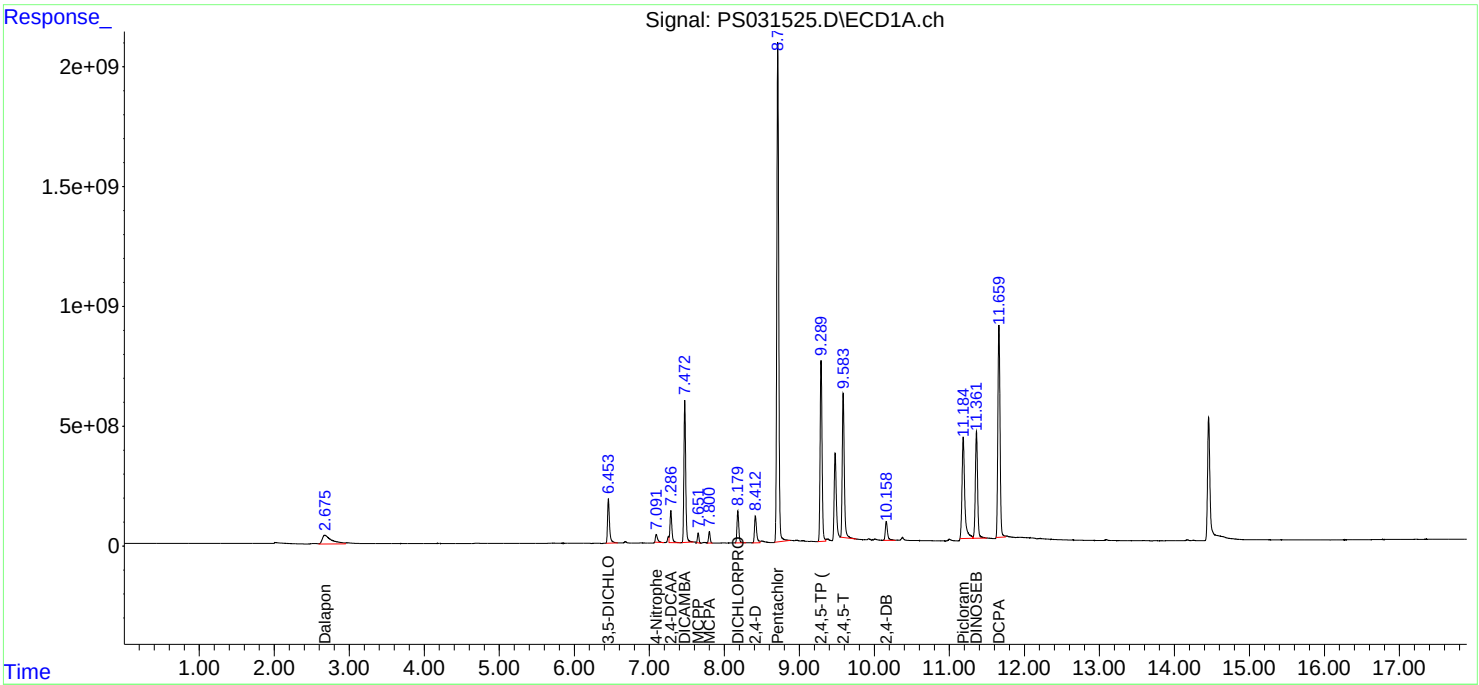
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

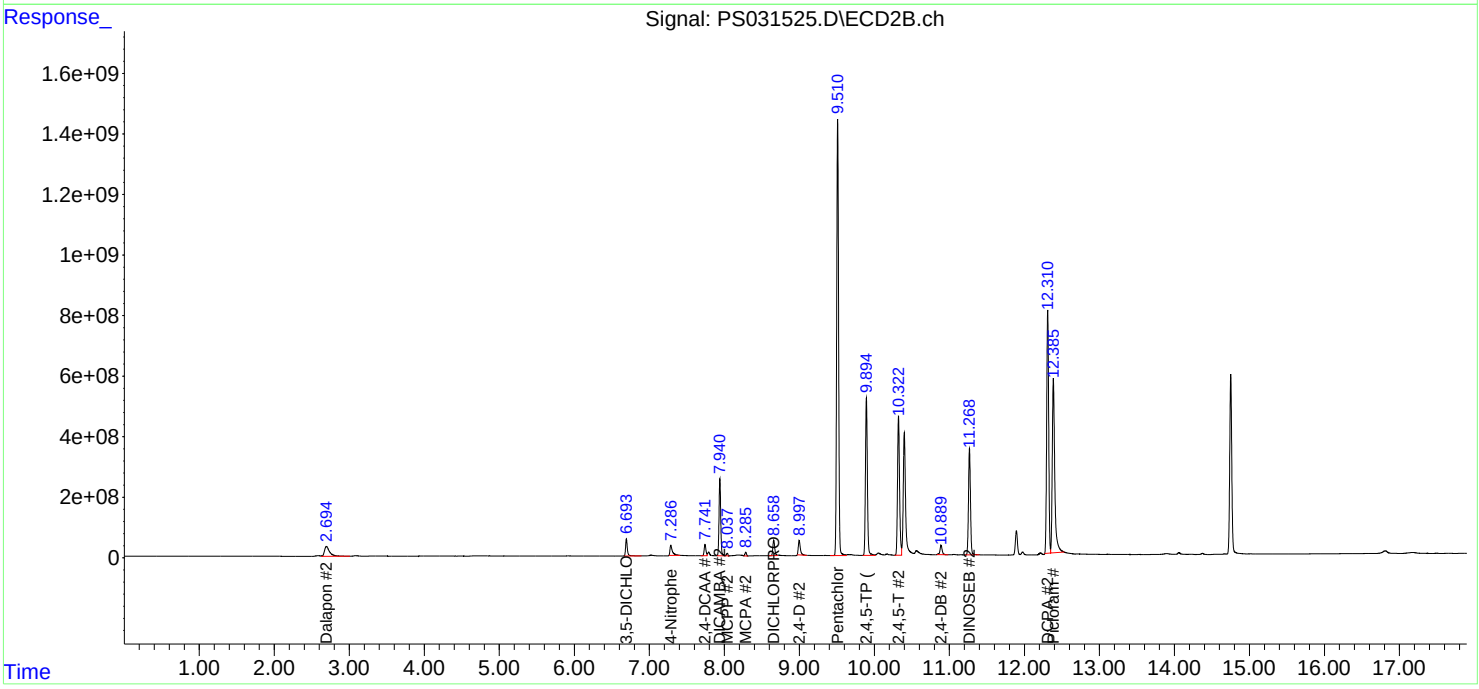
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS082025\
Data File : PS031525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Aug 2025 15:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

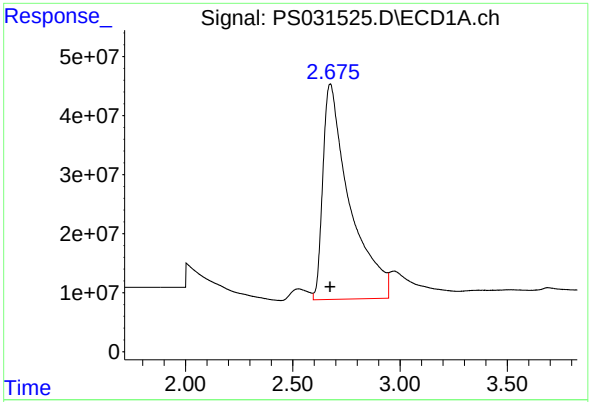
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 16:47:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS080725.M
Quant Title : 8080.M
QLast Update : Fri Aug 08 03:17:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



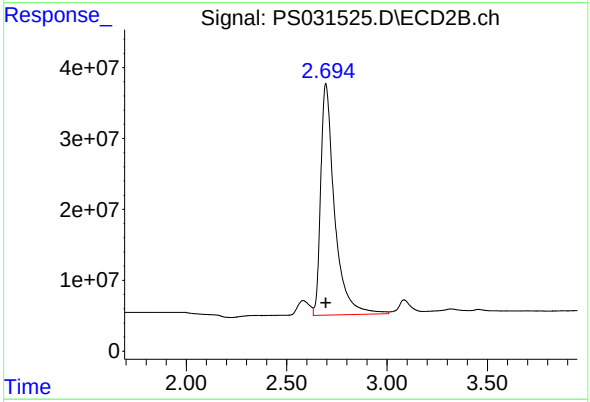




#1 Dalapon

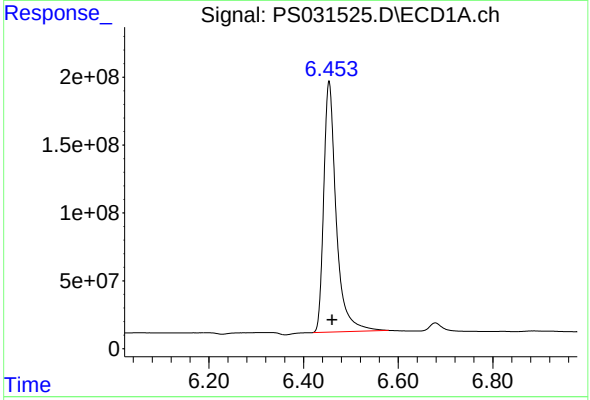
R.T.: 2.676 min
Delta R.T.: 0.002 min
Response: 3168045089
Conc: 603.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



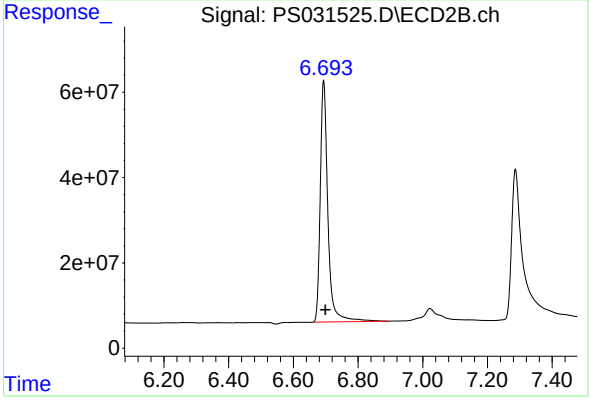
#1 Dalapon

R.T.: 2.694 min
Delta R.T.: 0.000 min
Response: 1567090524
Conc: 588.91 ng/ml



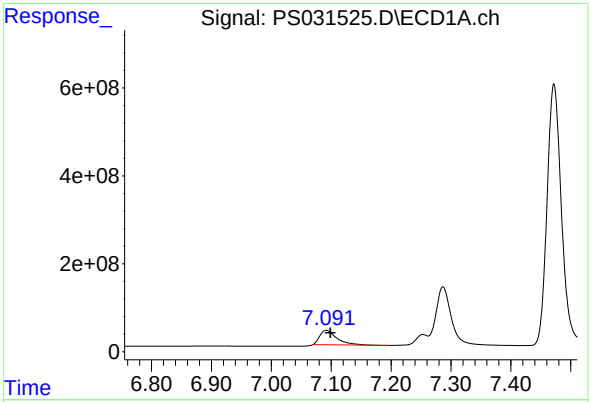
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.454 min
Delta R.T.: -0.007 min
Response: 3385656166
Conc: 717.56 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

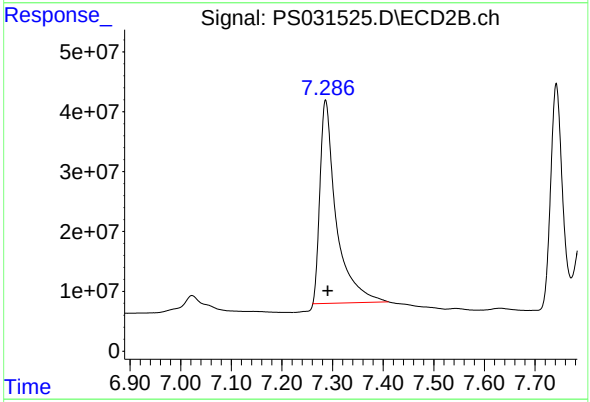
R.T.: 6.694 min
Delta R.T.: -0.005 min
Response: 926950189
Conc: 685.65 ng/ml



#3 4-Nitrophenol

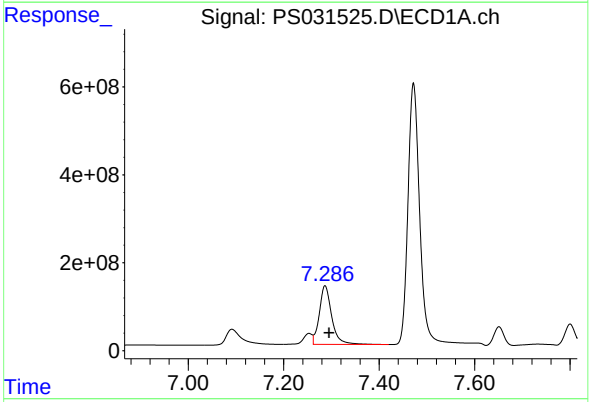
R.T.: 7.092 min
Delta R.T.: -0.007 min
Response: 649847187
Conc: 629.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



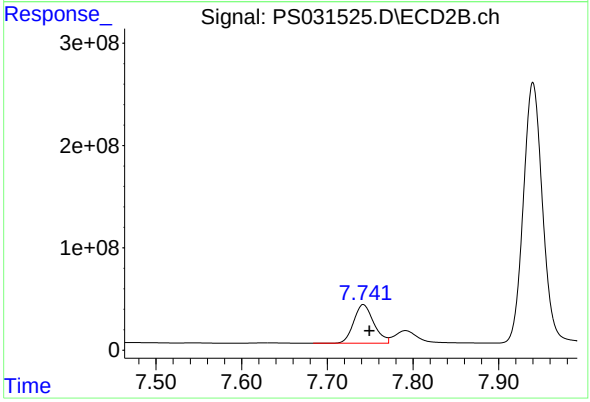
#3 4-Nitrophenol

R.T.: 7.286 min
Delta R.T.: -0.004 min
Response: 761346354
Conc: 605.74 ng/ml



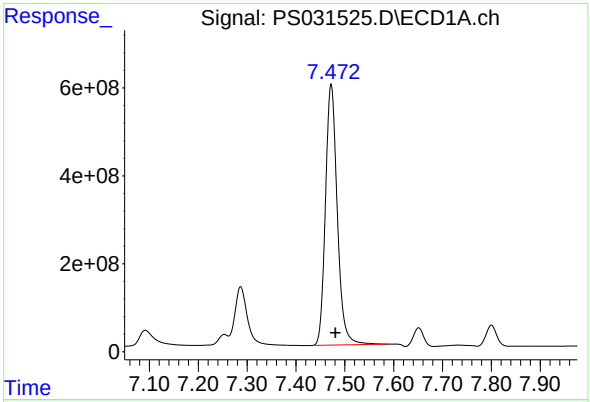
#4 2,4-DCAA

R.T.: 7.287 min
Delta R.T.: -0.008 min
Response: 2406078052
Conc: 758.06 ng/ml



#4 2,4-DCAA

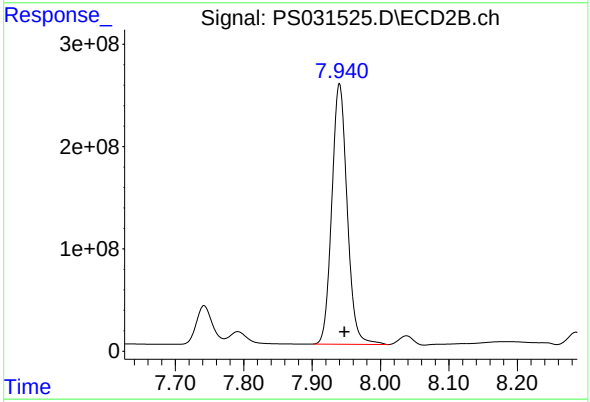
R.T.: 7.742 min
Delta R.T.: -0.007 min
Response: 614236158
Conc: 726.61 ng/ml



#5 DICAMBA

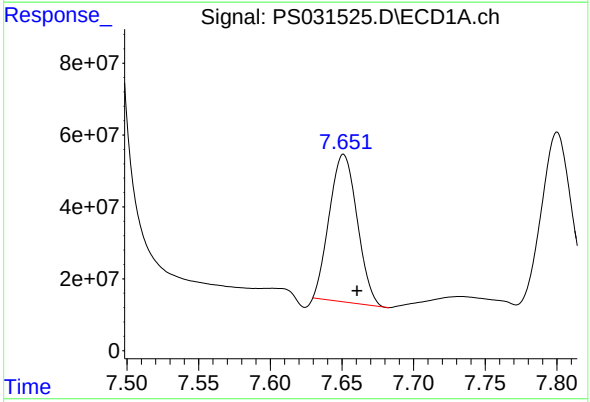
R.T.: 7.472 min
Delta R.T.: -0.009 min
Response: 9973966999
Conc: 714.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



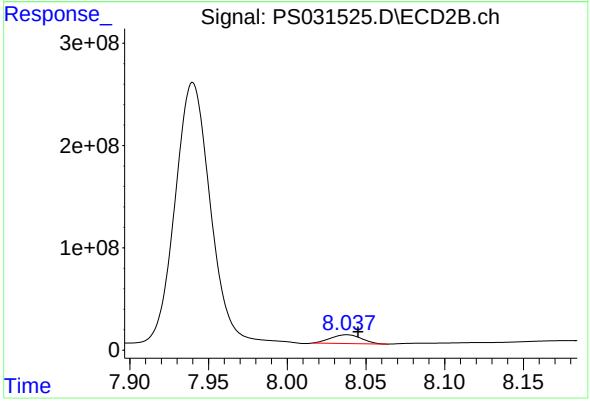
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: -0.007 min
Response: 3974264095
Conc: 699.36 ng/ml



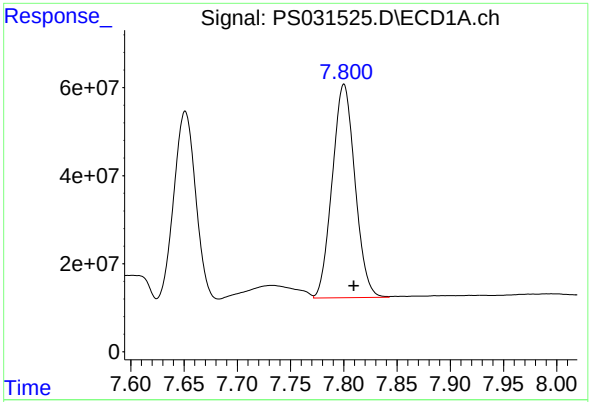
#6 MCPP

R.T.: 7.651 min
Delta R.T.: -0.009 min
Response: 554352397
Conc: 68.91 ug/ml



#6 MCPP

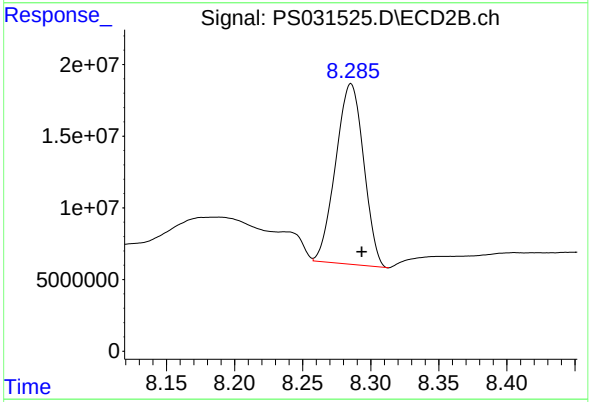
R.T.: 8.038 min
Delta R.T.: -0.007 min
Response: 116745170
Conc: 66.04 ug/ml



#7 MCPA

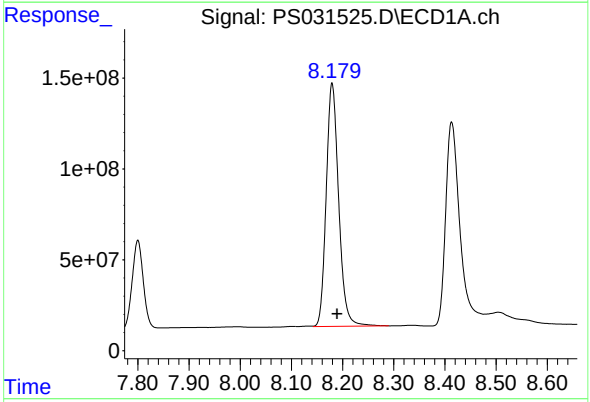
R.T.: 7.800 min
Delta R.T.: -0.009 min
Response: 720535379
Conc: 72.33 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



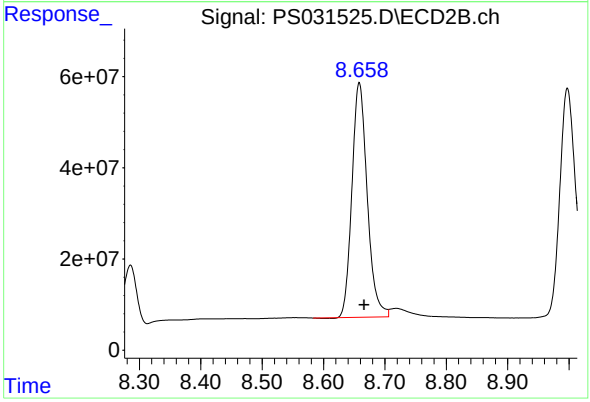
#7 MCPA

R.T.: 8.285 min
Delta R.T.: -0.008 min
Response: 180296336
Conc: 64.27 ug/ml



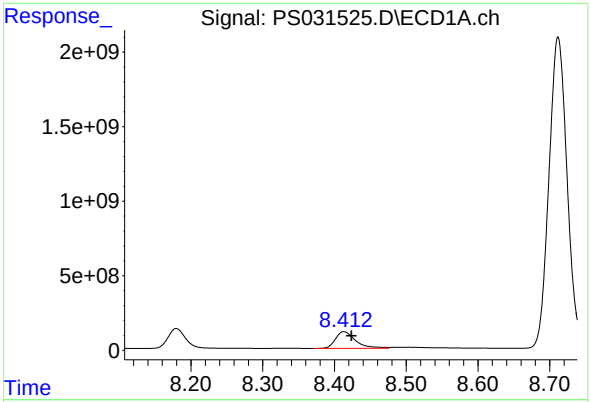
#8 DICHLORPROP

R.T.: 8.179 min
Delta R.T.: -0.010 min
Response: 2264729558
Conc: 713.88 ng/ml



#8 DICHLORPROP

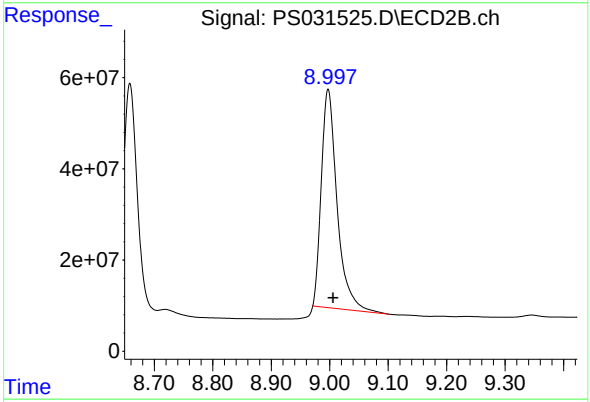
R.T.: 8.658 min
Delta R.T.: -0.008 min
Response: 891080428
Conc: 667.46 ng/ml



#9 2,4-D

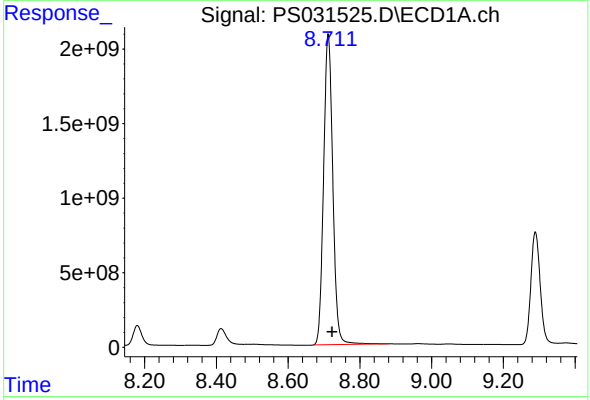
R.T.: 8.413 min
Delta R.T.: -0.011 min
Response: 2184547895
Conc: 759.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



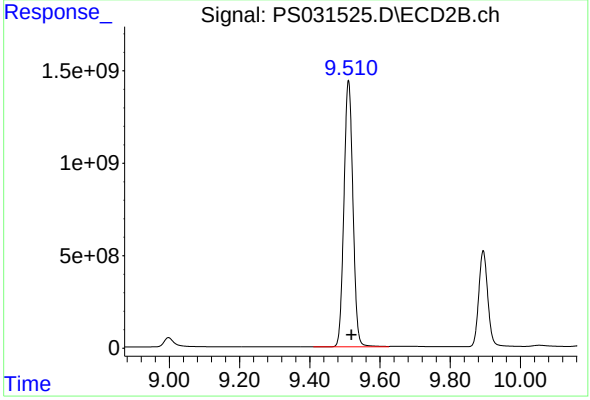
#9 2,4-D

R.T.: 8.997 min
Delta R.T.: -0.008 min
Response: 897489335
Conc: 628.81 ng/ml



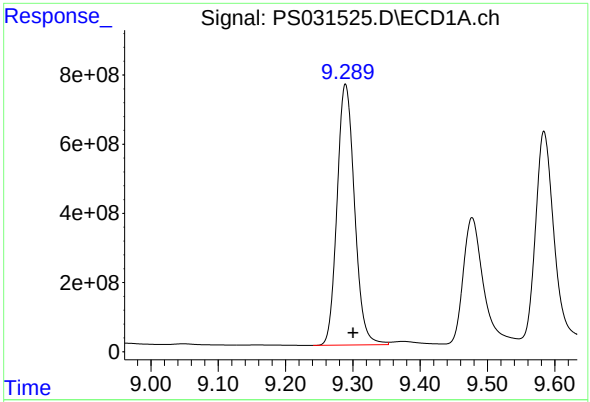
#10 Pentachlorophenol

R.T.: 8.712 min
Delta R.T.: -0.011 min
Response: 37022875788
Conc: 771.11 ng/ml



#10 Pentachlorophenol

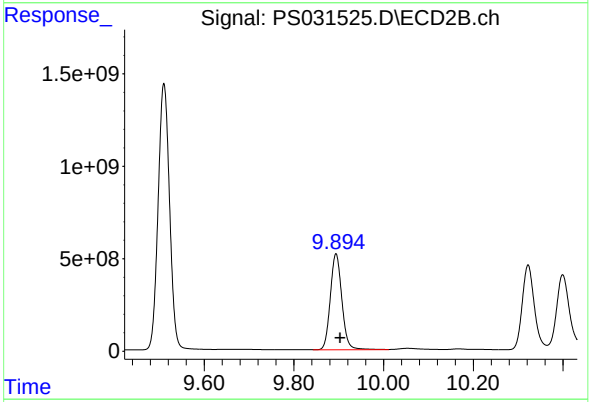
R.T.: 9.510 min
Delta R.T.: -0.008 min
Response: 25572920866
Conc: 734.25 ng/ml



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

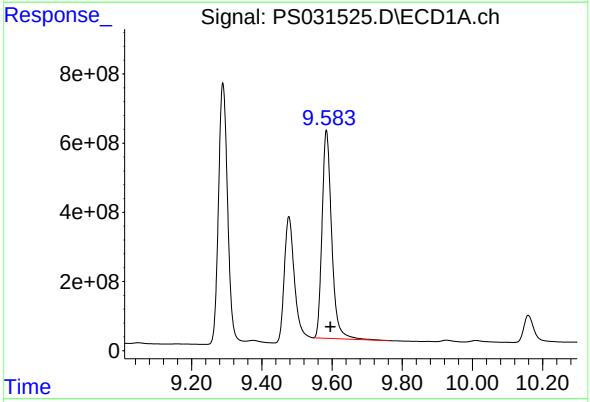
R.T.: 9.289 min
Delta R.T.: -0.011 min
Response: 13600801081
Conc: 758.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



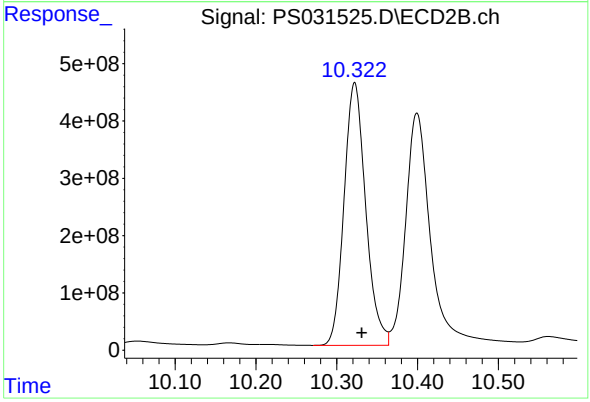
#11 2,4,5-TP (SILVEX)

R.T.: 9.894 min
Delta R.T.: -0.009 min
Response: 9311412580
Conc: 709.93 ng/ml



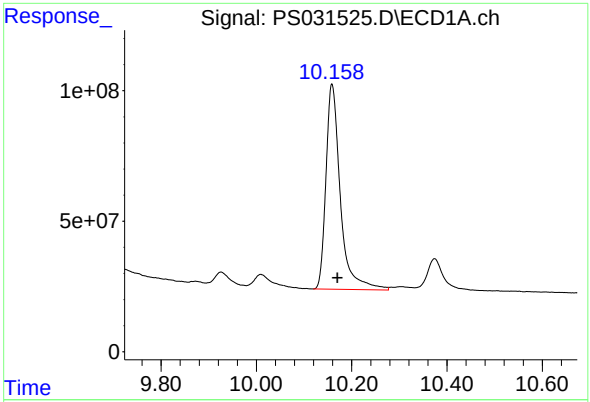
#12 2,4,5-T

R.T.: 9.584 min
Delta R.T.: -0.012 min
Response: 11404253108
Conc: 778.38 ng/ml



#12 2,4,5-T

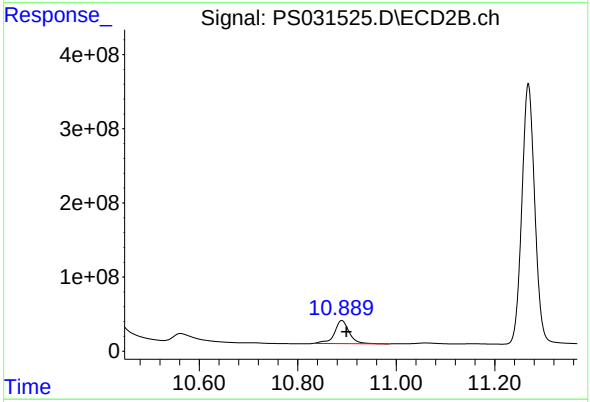
R.T.: 10.322 min
Delta R.T.: -0.009 min
Response: 8543328625
Conc: 721.58 ng/ml



#13 2,4-DB

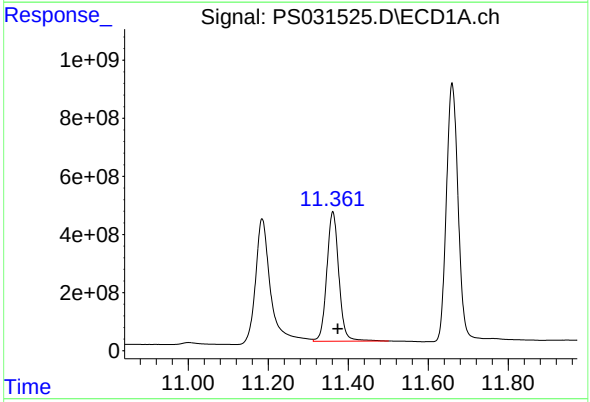
R.T.: 10.159 min
Delta R.T.: -0.012 min
Response: 1651362081
Conc: 859.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



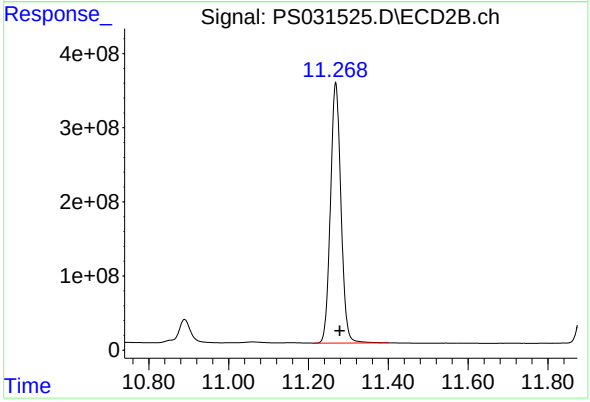
#13 2,4-DB

R.T.: 10.889 min
Delta R.T.: -0.010 min
Response: 646757268
Conc: 670.32 ng/ml



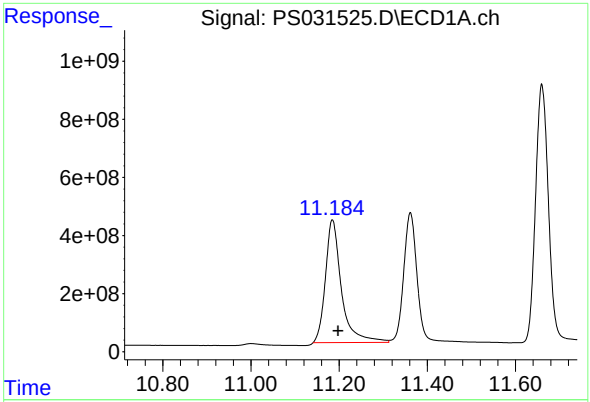
#14 DINOSEB

R.T.: 11.361 min
Delta R.T.: -0.012 min
Response: 9331049662
Conc: 735.98 ng/ml



#14 DINOSEB

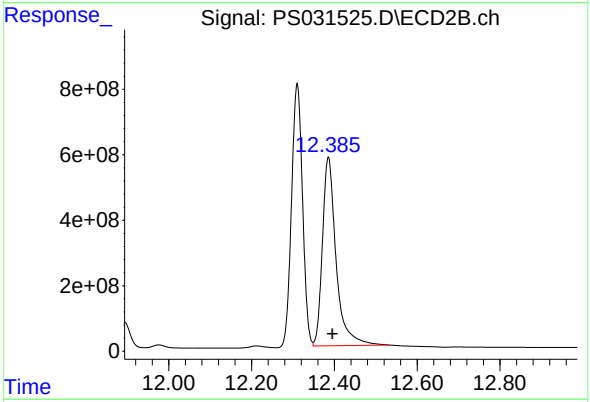
R.T.: 11.268 min
Delta R.T.: -0.010 min
Response: 6398710034
Conc: 676.61 ng/ml



#15 Picloram

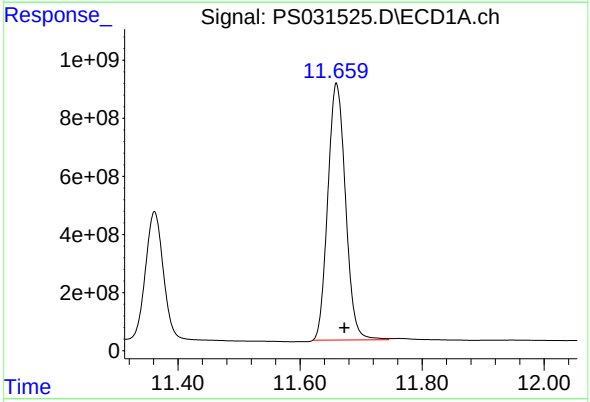
R.T.: 11.185 min
Delta R.T.: -0.013 min
Response: 10678647902
Conc: 818.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



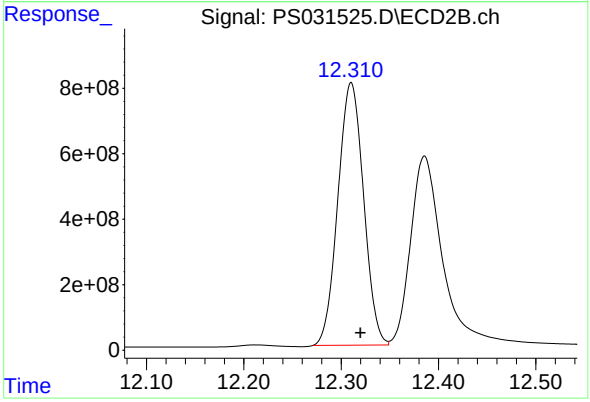
#15 Picloram

R.T.: 12.386 min
Delta R.T.: -0.010 min
Response: 13212510545
Conc: 753.72 ng/ml



#16 DCPA

R.T.: 11.660 min
Delta R.T.: -0.013 min
Response: 17794326784
Conc: 781.16 ng/ml



#16 DCPA

R.T.: 12.310 min
Delta R.T.: -0.010 min
Response: 14714004817
Conc: 746.89 ng/ml