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 : Q1383

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1383

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q1383-01	OU4-PCS-TC-11-021725
Q1383-02	OU4-PCS-TC-11-021725
Q1383-03	OU4-PCS-TC-12-021725
Q1383-04	OU4-PCS-TC-12-021725
Q1383-05	OU4-PCS-TC-13-021725
Q1383-06	OU4-PCS-TC-13-021725
Q1383-07	OU4-PCS-TC-14-021725
Q1383-08	OU4-PCS-TC-14-021725
Q1383-09	OU4-PCS-TC-15-021725
Q1383-10	OU4-PCS-TC-15-021725
Q1383-11	OU4-PCS-TC-16-021725
Q1383-12	OU4-PCS-TC-16-021725
Q1383-13	OU4-PCS-TC-17-021725
Q1383-14	OU4-PCS-TC-17-021725
Q1383-15	OU4-PCS-TC-18-021725
Q1383-16	OU4-PCS-TC-18-021725
Q1383-17	OU4-PCS-TC-19-021725
Q1383-18	OU4-PCS-TC-19-021725
Q1383-19	OU4-PCS-TC-20-021725
Q1383-20	OU4-PCS-TC-20-021725
Q1383-21	OU4-CF-15-021725
Q1383-22	OU4-CF-15-021725

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

Signature : **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 11:49 am, Mar 05, 2025

Date: 3/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Chemtech Project # Q1383
Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:
22 Solid samples were received on 02/18/2025.

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

C. Analytical Techniques:
The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The analysis of Herbicide Group1s was based on method 8151A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for OU4-PCS-TC-17-021725 [2,4-DCAA(1) - 123%], OU4-PCS-TC-17-021725RE [2 and4-DCAA(1) - 132%],the failure sample in surrogate was reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were acceptable for all samples.

The MS {Q1383-01MS} with File ID: PS029294.D recoveries met the requirements for all compounds except for Dalapon[38%], Dinoseb[0%] due to matrix interference.

The MSD {Q1383-01MSD} with File ID: PS029295.D recoveries met the acceptable requirements except for Dalapon[38%], Dinoseb[0%]due to matrix interference.

The sample # OU4-PCS-TC-11-021725MS and OU4-PCS-TC-11-021725MSD is failing for Dalapon and Dinoseb and the original sample(OU4-PCS-TC-11-021725) is reported with M flag for these compounds.

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

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

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

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

Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:49 am, Mar 05, 2025

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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

CHEMTECH PROJECT NUMBER: Q1383 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 met the acceptable criteria except for OU4-PCS-TC-17-021725 [2,4-DCAA(1) - 123%], OU4-PCS-TC-17-021725RE [2 and4-DCAA(1) - 132%],the failure sample in surrogate was reanalyzed to confirm the results as per method and reported in the data.		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q1383-01MS} with File ID: PS029294.D recoveries met the requirements for all compounds except for Dalapon[38%], Dinoseb[0%] due to matrix interference. The MSD {Q1383-01MSD} with File ID: PS029295.D recoveries met the acceptable requirements except for Dalapon[38%], Dinoseb[0%]due to matrix interference. The sample # OU4-PCS-TC-11-021725MS and OU4-PCS-TC-11-021725MSD is failing for Dalapon and Dinoseb and the original sample(OU4-PCS-TC-11-021725) is reported with M flag for these compounds. The Blank Spike met requirements for all samples . The RPD met criteria .		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
8.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 10:27 am, Mar 05, 2025

Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1383

	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:** 03/03/2025

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LAB CHRONICLE

OrderID:	Q1383	**OrderDate:**	2/18/2025 11:19:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1383-01	**OU4-PCS-TC-11-021725**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/26/25	
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1383-03	**OU4-PCS-TC-12-021725**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/21/25	
			PCB	8082A		02/19/25	02/21/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-05	**OU4-PCS-TC-13-021725**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/21/25	
			PCB	8082A		02/19/25	02/21/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-07	**OU4-PCS-TC-14-021725**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/21/25	
			PCB	8082A		02/19/25	02/21/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-09	**OU4-PCS-TC-15-021725**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/22/25	
			PCB	8082A		02/19/25	02/20/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-09RE	**OU4-PCS-TC-15-021725RE**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/20/25	

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LAB CHRONICLE

Q1383-11	**OU4-PCS-TC-16-021725**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/22/25	
			PCB	8082A		02/19/25	02/21/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-13	**OU4-PCS-TC-17-021725**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/22/25	
			PCB	8082A		02/19/25	02/20/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-13RE	**OU4-PCS-TC-17-021725RE**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/24/25	
			PCB	8082A		02/19/25	02/21/25	
Q1383-15	**OU4-PCS-TC-18-021725**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/22/25	
			PCB	8082A		02/19/25	02/20/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-17	**OU4-PCS-TC-19-021725**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/22/25	
			PCB	8082A		02/19/25	02/20/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-17RE	**OU4-PCS-TC-19-021725RE**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/21/25	
Q1383-19	**OU4-PCS-TC-20-021725**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/22/25	
			PCB	8082A		02/19/25	02/20/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-21	**OU4-CF-15-021725**	**SOIL**			**02/17/25**			**02/18/25**
			Herbicide Group1	8151A		02/18/25	02/26/25	
			PCB	8082A		02/19/25	02/20/25	

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LAB CHRONICLE

			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-21RE	**OU4-CF-15-021725RE**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1383 **Order ID:** Q1383

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.: Q1383

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS029233.D	PIBLK-PS029233.D	2,4-DCAA	1	500	476	95		32	138
		2,4-DCAA	2	500	494	99		32	138
I.BLK-PS029240.D	PIBLK-PS029240.D	2,4-DCAA	1	500	476	95		32	138
		2,4-DCAA	2	500	493	99		32	138
Q1383-03	OU4-PCS-TC-12-021725	2,4-DCAA	1	500	460	92		27	122
		2,4-DCAA	2	500	440	88		27	122
Q1383-05	OU4-PCS-TC-13-021725	2,4-DCAA	1	500	466	93		27	122
		2,4-DCAA	2	500	474	95		27	122
Q1383-07	OU4-PCS-TC-14-021725	2,4-DCAA	1	500	446	89		27	122
		2,4-DCAA	2	500	433	87		27	122
Q1383-09	OU4-PCS-TC-15-021725	2,4-DCAA	1	500	467	93		27	122
		2,4-DCAA	2	500	446	89		27	122
Q1383-11	OU4-PCS-TC-16-021725	2,4-DCAA	1	500	566	113		27	122
		2,4-DCAA	2	500	514	103		27	122
Q1383-13	OU4-PCS-TC-17-021725	2,4-DCAA	1	500	616	123	*	27	122
		2,4-DCAA	2	500	560	112		27	122
Q1383-15	OU4-PCS-TC-18-021725	2,4-DCAA	1	500	280	56		27	122
		2,4-DCAA	2	500	253	51		27	122
Q1383-17	OU4-PCS-TC-19-021725	2,4-DCAA	1	500	300	60		27	122
		2,4-DCAA	2	500	279	56		27	122
Q1383-19	OU4-PCS-TC-20-021725	2,4-DCAA	1	500	299	60		27	122
		2,4-DCAA	2	500	273	55		27	122
I.BLK-PS029251.D	PIBLK-PS029251.D	2,4-DCAA	1	500	484	97		32	138
		2,4-DCAA	2	500	502	100		32	138
I.BLK-PS029254.D	PIBLK-PS029254.D	2,4-DCAA	1	500	500	100		32	138
		2,4-DCAA	2	500	496	99		32	138
Q1383-13RE	OU4-PCS-TC-17-021725RE	2,4-DCAA	1	500	659	132	*	27	122
		2,4-DCAA	2	500	588	118		27	122
I.BLK-PS029266.D	PIBLK-PS029266.D	2,4-DCAA	1	500	506	101		32	138
		2,4-DCAA	2	500	502	100		32	138
I.BLK-PS029290.D	PIBLK-PS029290.D	2,4-DCAA	1	500	522	104		32	138
		2,4-DCAA	2	500	511	102		32	138
Q1383-21	OU4-CF-15-021725	2,4-DCAA	1	500	315	63		27	122
		2,4-DCAA	2	500	272	54		27	122
Q1383-01	OU4-PCS-TC-11-021725	2,4-DCAA	1	500	513	103		27	122
		2,4-DCAA	2	500	473	95		27	122
Q1383-01MS	OU4-PCS-TC-11-021725MS	2,4-DCAA	1	500	337	67		27	122
		2,4-DCAA	2	500	273	55		27	122
Q1383-01MSD	OU4-PCS-TC-11-021725MSD	2,4-DCAA	1	500	316	63		27	122
		2,4-DCAA	2	500	278	56		27	122
PB166764BL	PB166764BL	2,4-DCAA	1	500	512	102		27	122

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Surrogate Summary

SDG No.: Q1383

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
PB166764BL	PB166764BL	2,4-DCAA	2	500	487	97		27	122
I.BLK-PS029302.D	PIBLK-PS029302.D	2,4-DCAA	1	500	531	106		32	138
		2,4-DCAA	2	500	527	105		32	138
PB166764BS	PB166764BS	2,4-DCAA	1	500	560	112		27	122
		2,4-DCAA	2	500	529	106		27	122
I.BLK-PS029305.D	PIBLK-PS029305.D	2,4-DCAA	1	500	524	105		32	138
		2,4-DCAA	2	500	517	103		32	138

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1383

Client: Nobis Group

Analytical Method: 8151A **DataFile :** PS029294.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OU4-PCS-TC-11-021725MS**											
Q1383-01MS	DICAMBA	179.7	0	96.1	ug/Kg	53				38	132	
	Dalapon	179.7	0	69.0	ug/Kg	38	*			70	130	
	DICHLORPROP	179.7	0	99.9	ug/Kg	56				28	155	
	2,4-D	179.7	0	115	ug/Kg	64				28	144	
	2,4,5-TP(Silvex)	179.7	0	105	ug/Kg	58				43	129	
	2,4,5-T	179.7	0	98.6	ug/Kg	55				31	138	
	2,4-DB	179.7	0	84.4	ug/Kg	47				34	142	
	Dinoseb	179.7	0	0	ug/Kg	0	*			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.: Q1383

Client: Nobis Group

Analytical Method: 8151A **DataFile :** PS029295.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**OU4-PCS-TC-11-021725MSD**											
Q1383-01MSD	DICAMBA	179.8	0	98.0	ug/Kg	55		4		38	132	20
	Dalapon	179.8	0	68.6	ug/Kg	38	*	0		70	130	20
	DICHLORPROP	179.8	0	102	ug/Kg	57		2		28	155	20
	2,4-D	179.8	0	117	ug/Kg	65		2		28	144	20
	2,4,5-TP(Silvex)	179.8	0	107	ug/Kg	60		3		43	129	20
	2,4,5-T	179.8	0	101	ug/Kg	56		2		31	138	20
	2,4-DB	179.8	0	85.8	ug/Kg	48		2		34	142	20
	Dinoseb	179.8	0	0	ug/Kg	0	*	0		57	152	20

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1383

Client: Nobis Group

Analytical Method: 8151A **Datafile :** PS029304.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166764BS	DICAMBA	166.6	177	ug/Kg	106				38	132	
	Dalapon	166.6	159	ug/Kg	95				70	130	
	DICHLORPROP	166.6	174	ug/Kg	104				28	155	
	2,4-D	166.6	175	ug/Kg	105				28	144	
	2,4,5-TP(Silvex)	166.6	180	ug/Kg	108				43	129	
	2,4,5-T	166.6	181	ug/Kg	109				31	138	
	2,4-DB	166.6	174	ug/Kg	104				34	142	
	Dinoseb	166.6	176	ug/Kg	106				57	152	

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Fax : 908 789 8922

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166764BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1383 SAS No.: Q1383 SDG NO.: Q1383

Lab Sample ID: PB166764BL Lab File ID: PS029301.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 02/18/2025

Date Analyzed (1): 02/26/2025 Date Analyzed (2): 02/26/2025

Time Analyzed (1): 18:34 Time Analyzed (2): 18:34

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

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
OU4-PCS-TC-12-021725	Q1383-03	PS029242.D	02/21/2025	02/21/2025
OU4-PCS-TC-13-021725	Q1383-05	PS029243.D	02/21/2025	02/21/2025
OU4-PCS-TC-14-021725	Q1383-07	PS029244.D	02/21/2025	02/21/2025
OU4-PCS-TC-15-021725	Q1383-09	PS029245.D	02/22/2025	02/22/2025
OU4-PCS-TC-16-021725	Q1383-11	PS029246.D	02/22/2025	02/22/2025
OU4-PCS-TC-17-021725	Q1383-13	PS029247.D	02/22/2025	02/22/2025
OU4-PCS-TC-18-021725	Q1383-15	PS029248.D	02/22/2025	02/22/2025
OU4-PCS-TC-19-021725	Q1383-17	PS029249.D	02/22/2025	02/22/2025
OU4-PCS-TC-20-021725	Q1383-19	PS029250.D	02/22/2025	02/22/2025
OU4-CF-15-021725	Q1383-21	PS029292.D	02/26/2025	02/26/2025
OU4-PCS-TC-11-021725	Q1383-01	PS029293.D	02/26/2025	02/26/2025
OU4-PCS-TC-11-021725MS	Q1383-01MS	PS029294.D	02/26/2025	02/26/2025
OU4-PCS-TC-11-021725MSD	Q1383-01MSD	PS029295.D	02/26/2025	02/26/2025
PB166764BS	PB166764BS	PS029304.D	02/26/2025	02/26/2025

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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-11-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-01	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029293.D	1	02/18/25 14:17	02/26/25 15:22	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0093	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.054	UM	0.027	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.054	UM	0.013	0.054	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	513		27 - 122		103%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 15:22
Operator : AR\AJ
Sample : Q1383-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.627	2113.9E6	445.1E6	513.015m	473.395m
	Target Compounds						

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

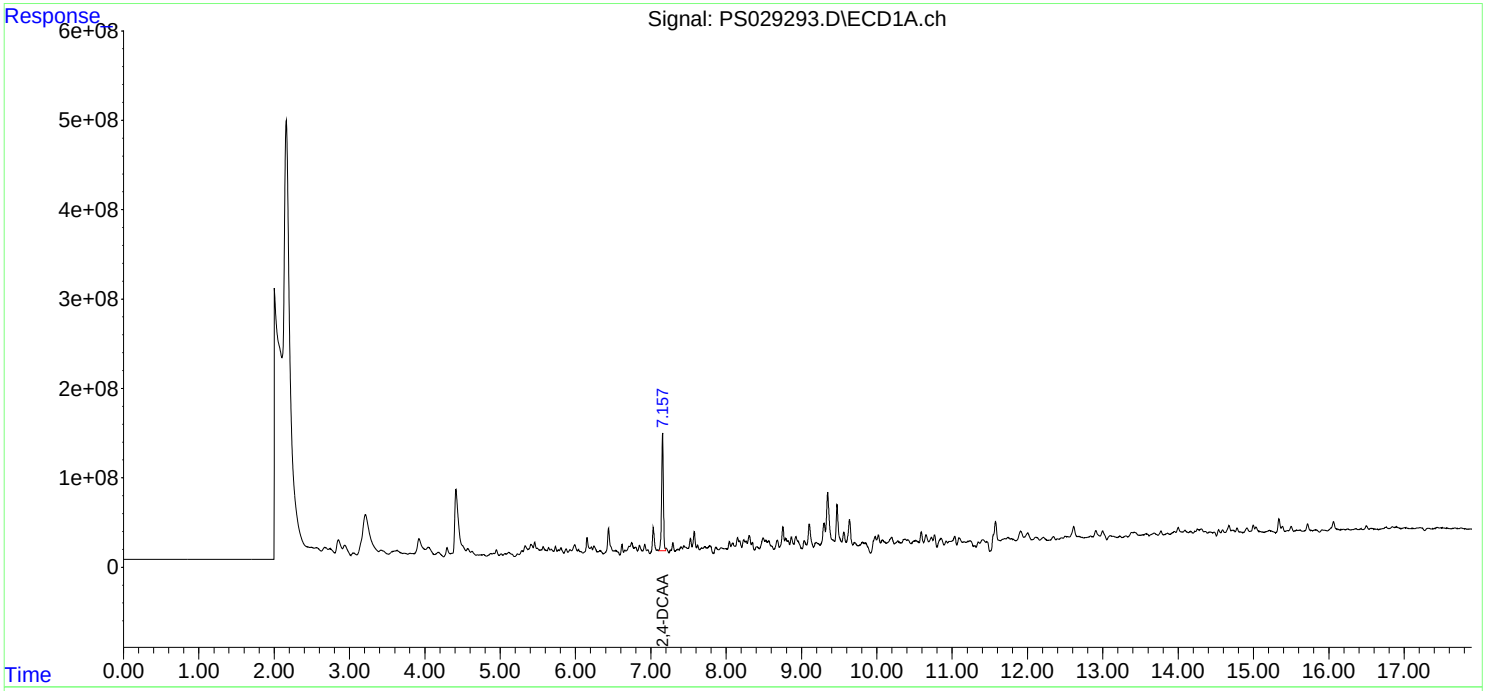
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 15:22
Operator : AR\AJ
Sample : Q1383-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

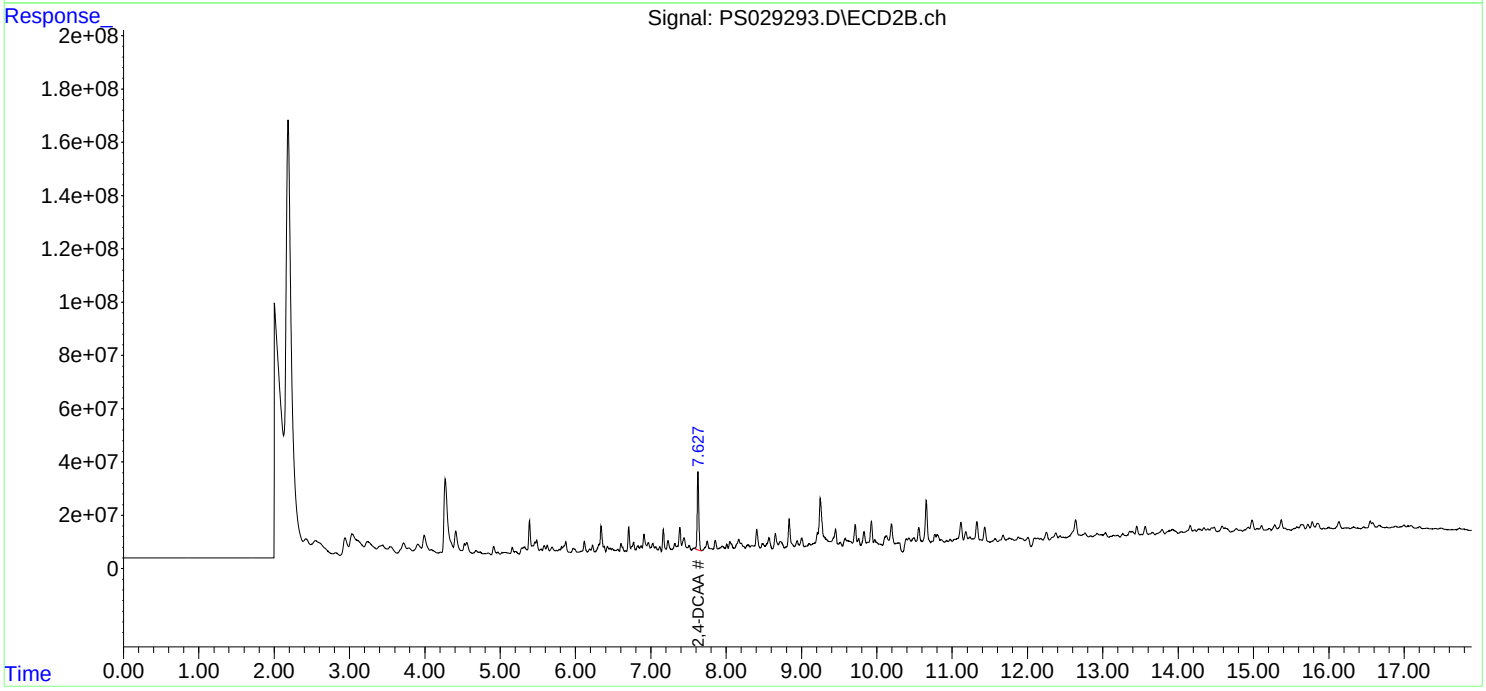
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725

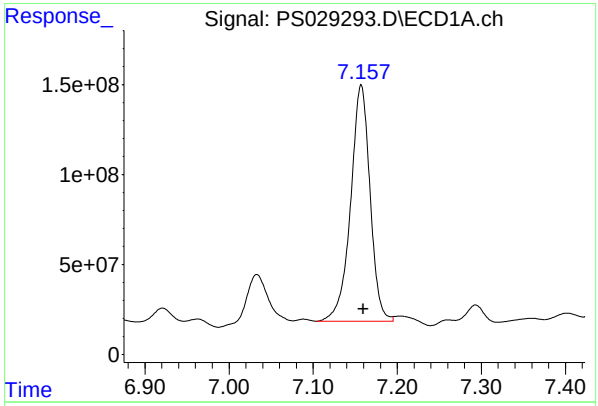
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







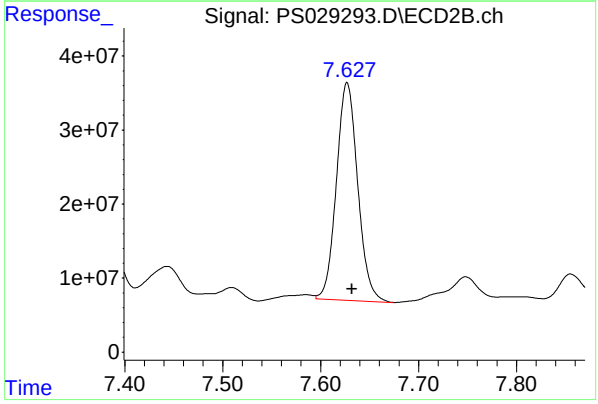
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 mi
Response: 2113919434
Conc: 513.02 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



#4 2,4-DCAA

R.T.: 7.627 min
Delta R.T.: -0.005 min
Response: 445148606
Conc: 473.39 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-12-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-03	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.1 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
PS029242.D	1	02/18/25 14:17	02/21/25 23:08	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	460		27 - 122		92%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:08
Operator : AR\AJ
Sample : Q1383-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:12:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.630	1894.0E6	413.6E6	459.647m	439.809m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:08
Operator : AR\AJ
Sample : Q1383-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

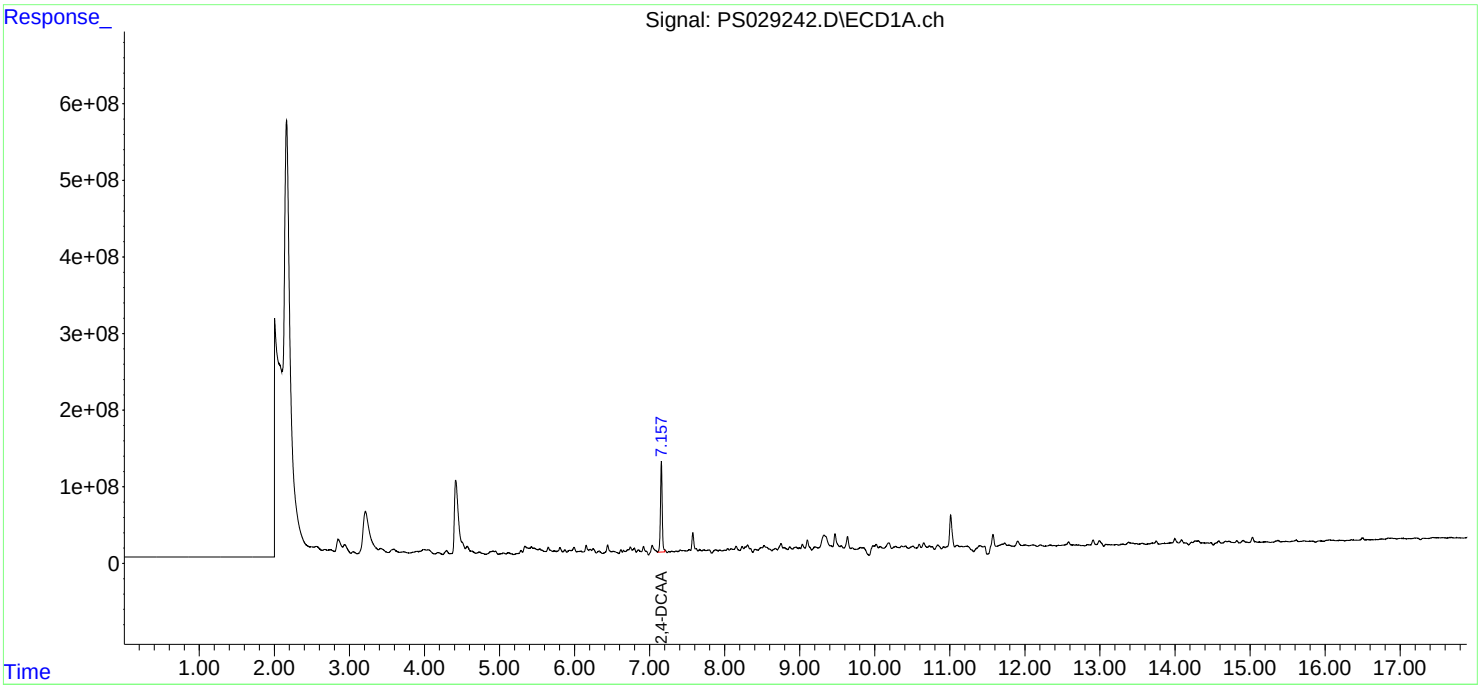
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725

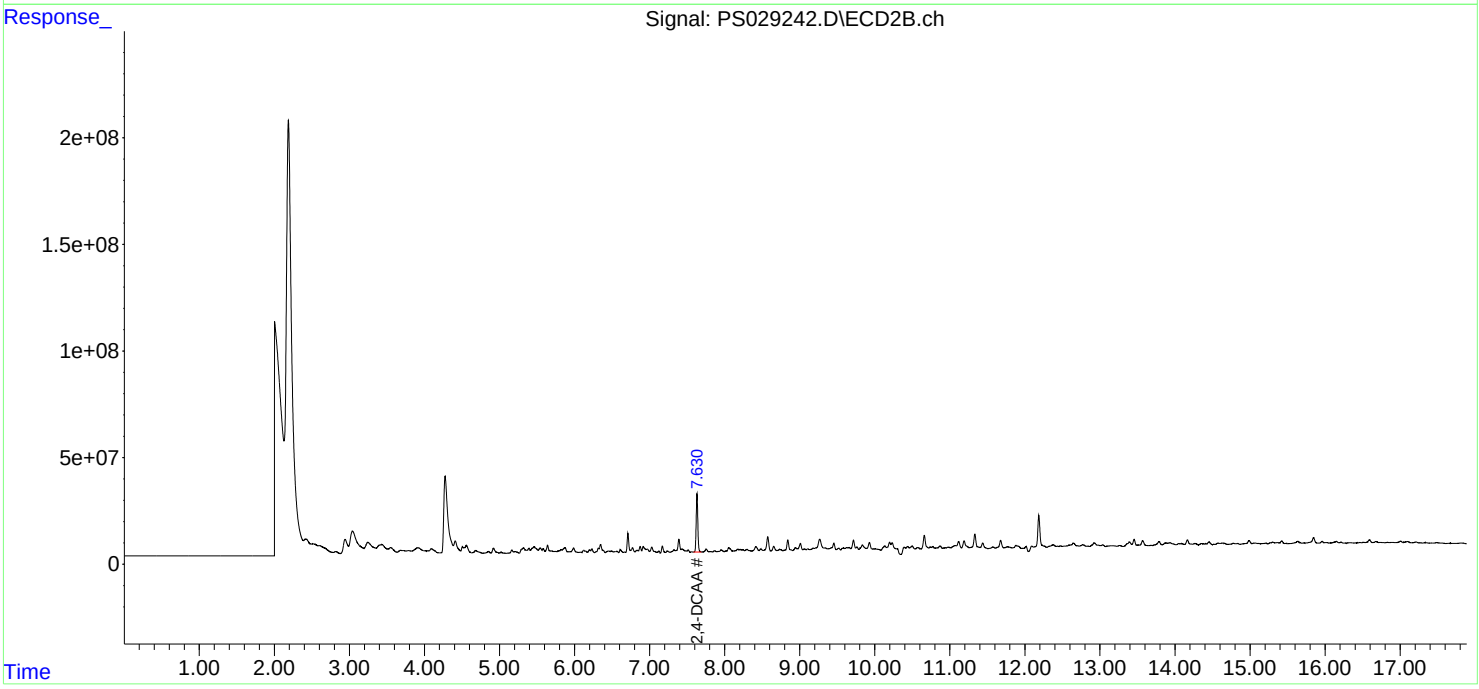
Manual Integrations APPROVED

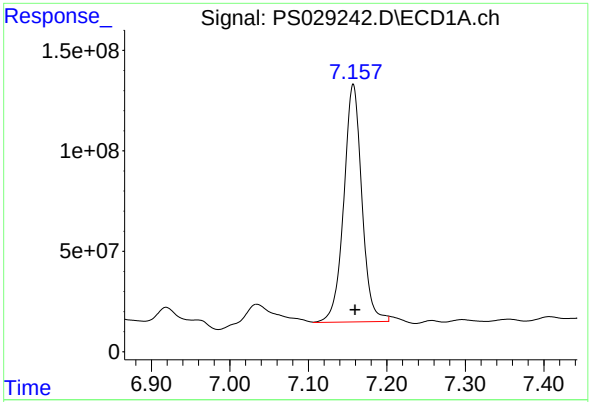
Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:12:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







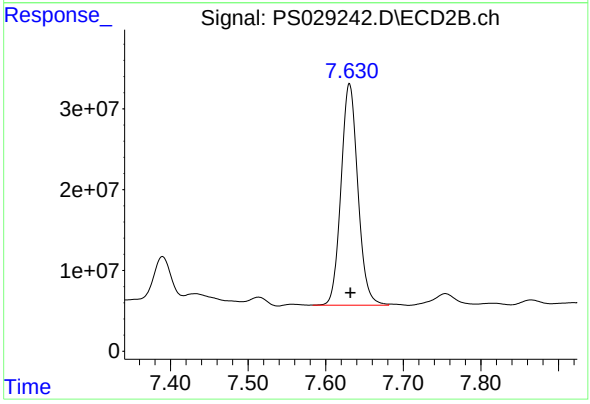
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 1894009804
Conc: 459.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



#4 2,4-DCAA

R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 413566938
Conc: 439.81 ng/ml m

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-13-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-05	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92.5 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
PS029243.D	1	02/18/25 14:17	02/21/25 23:32	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	474		27 - 122		95%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:32
Operator : AR\AJ
Sample : Q1383-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:13:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.631	1922.2E6	445.4E6	466.490m	473.683
	Target Compounds						

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

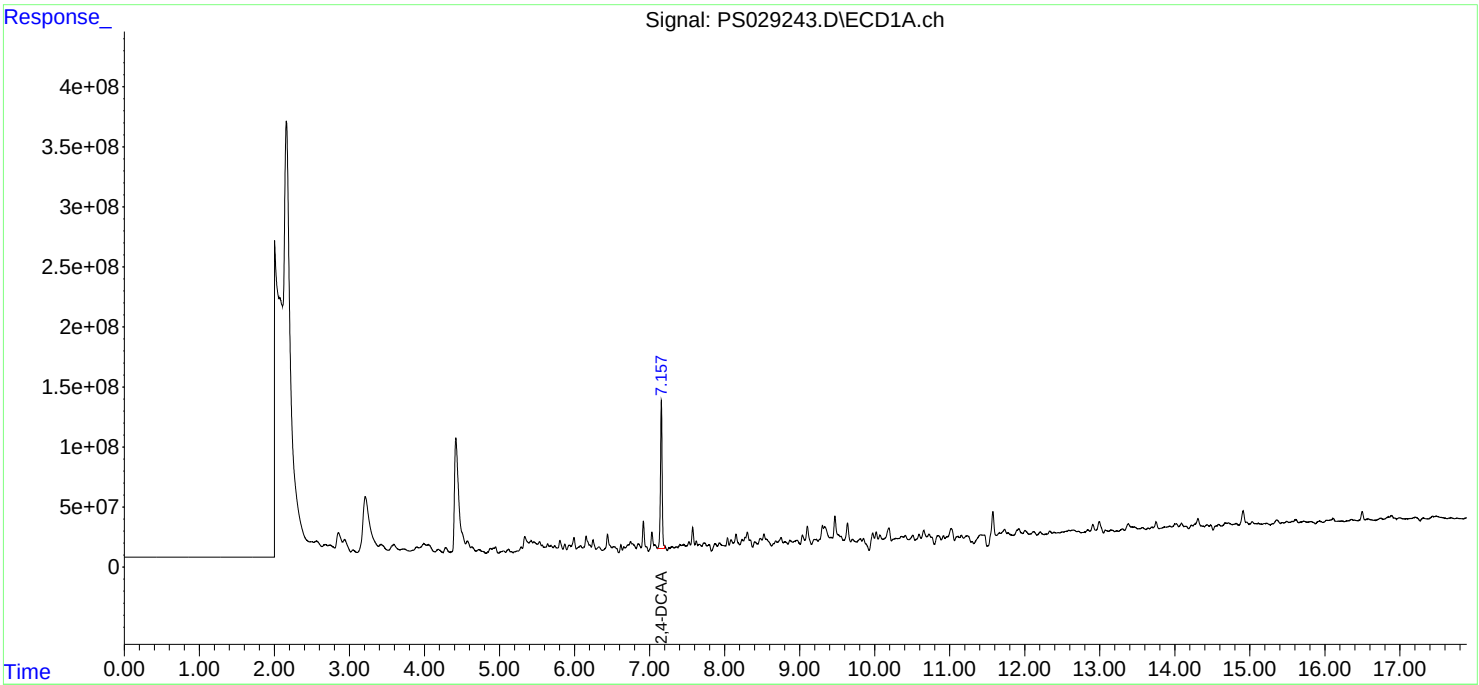
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:32
Operator : AR\AJ
Sample : Q1383-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

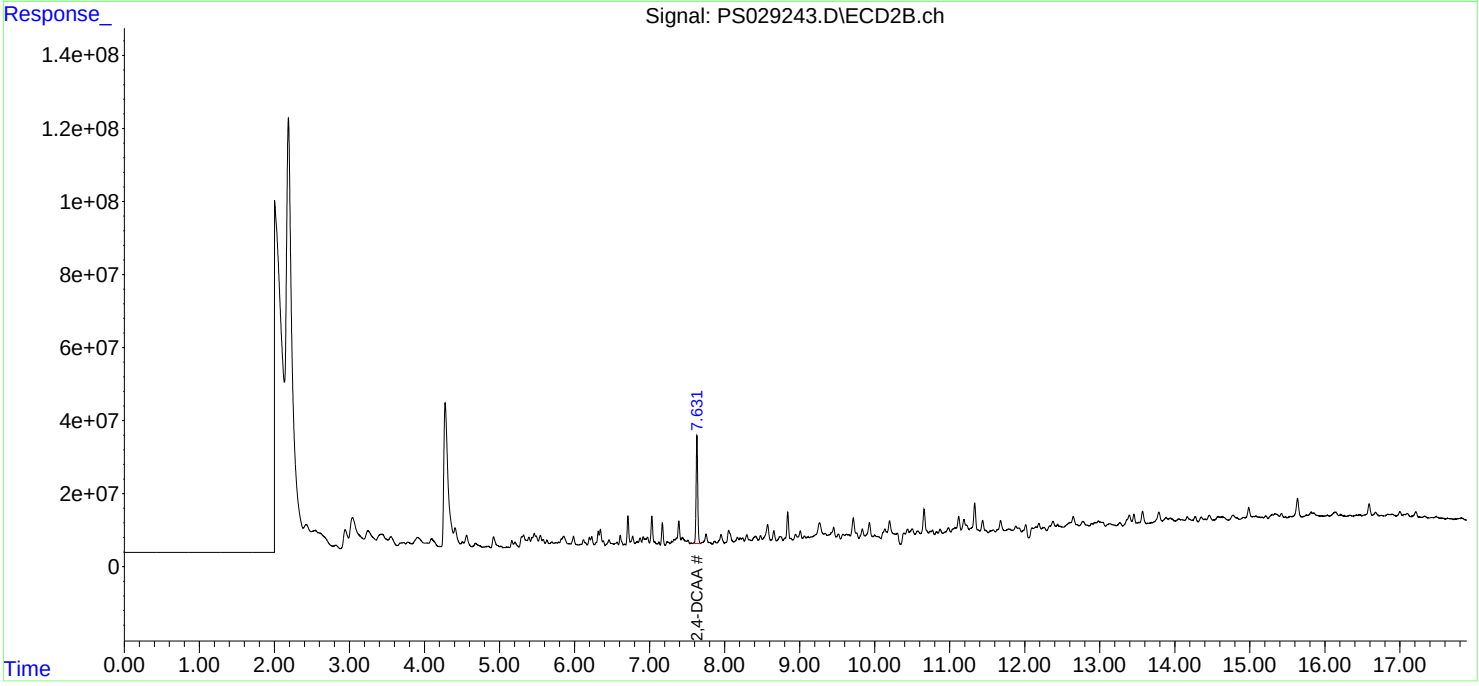
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725

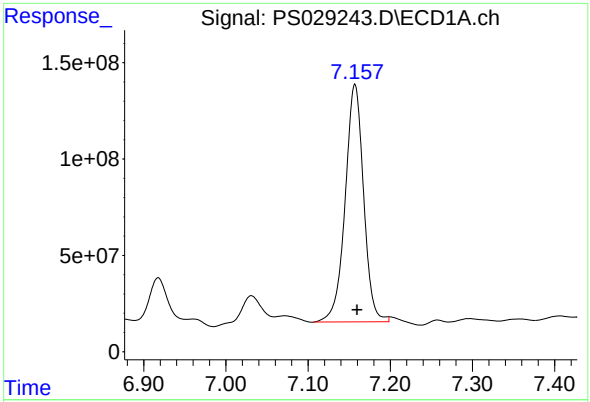
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:13:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







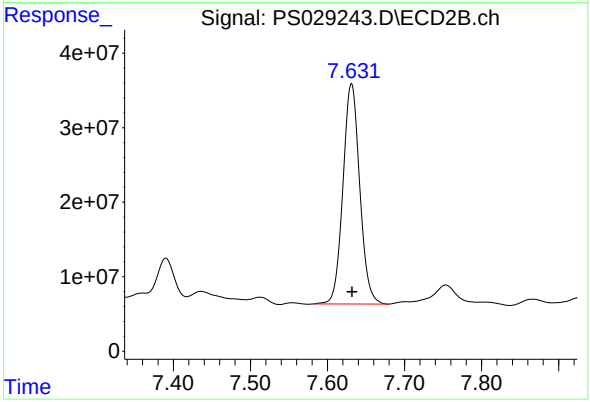
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 1922207001
Conc: 466.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



#4 2,4-DCAA

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 445419783
Conc: 473.68 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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-14-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-07	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029244.D	1	02/18/25 14:17	02/21/25 23:56	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	446		27 - 122		89%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:56
Operator : AR\AJ
Sample : Q1383-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.156	7.630	1837.4E6	407.6E6	445.898m	433.489
	Target Compounds						

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

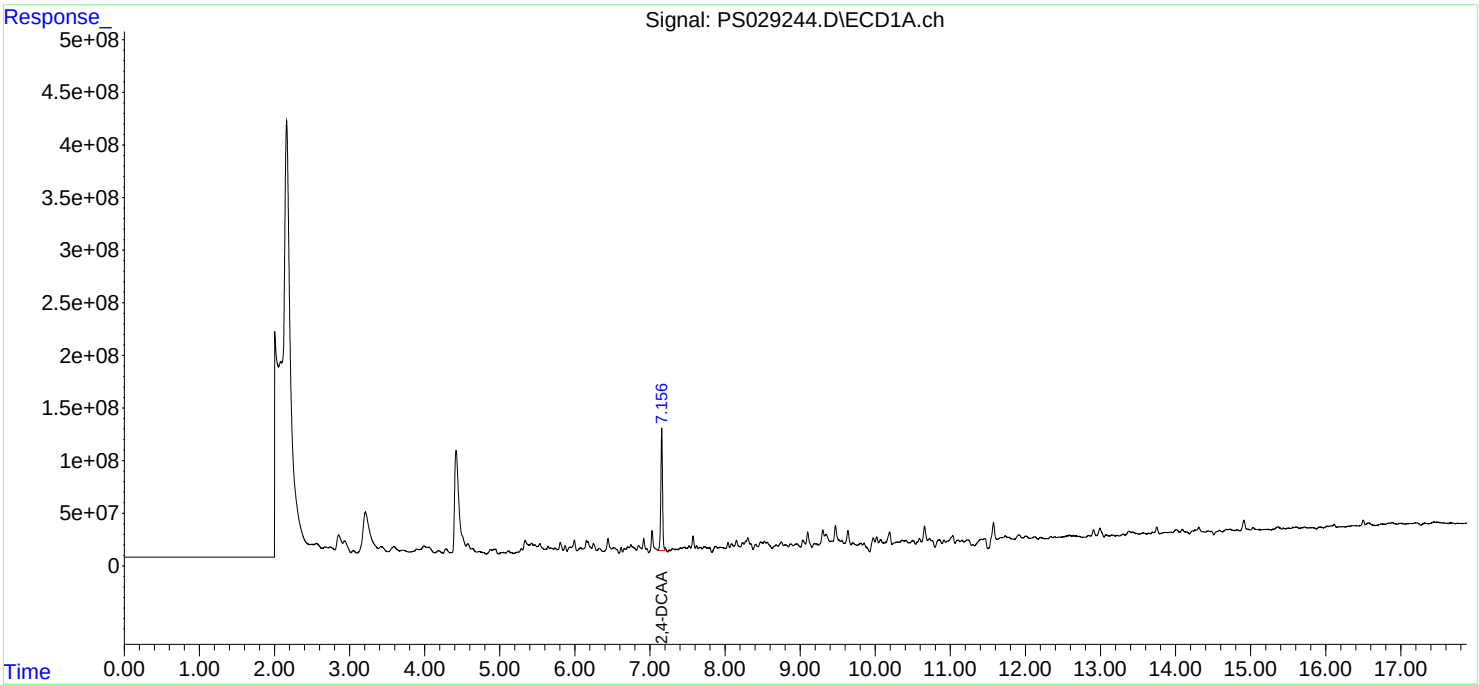
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:56
Operator : AR\AJ
Sample : Q1383-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

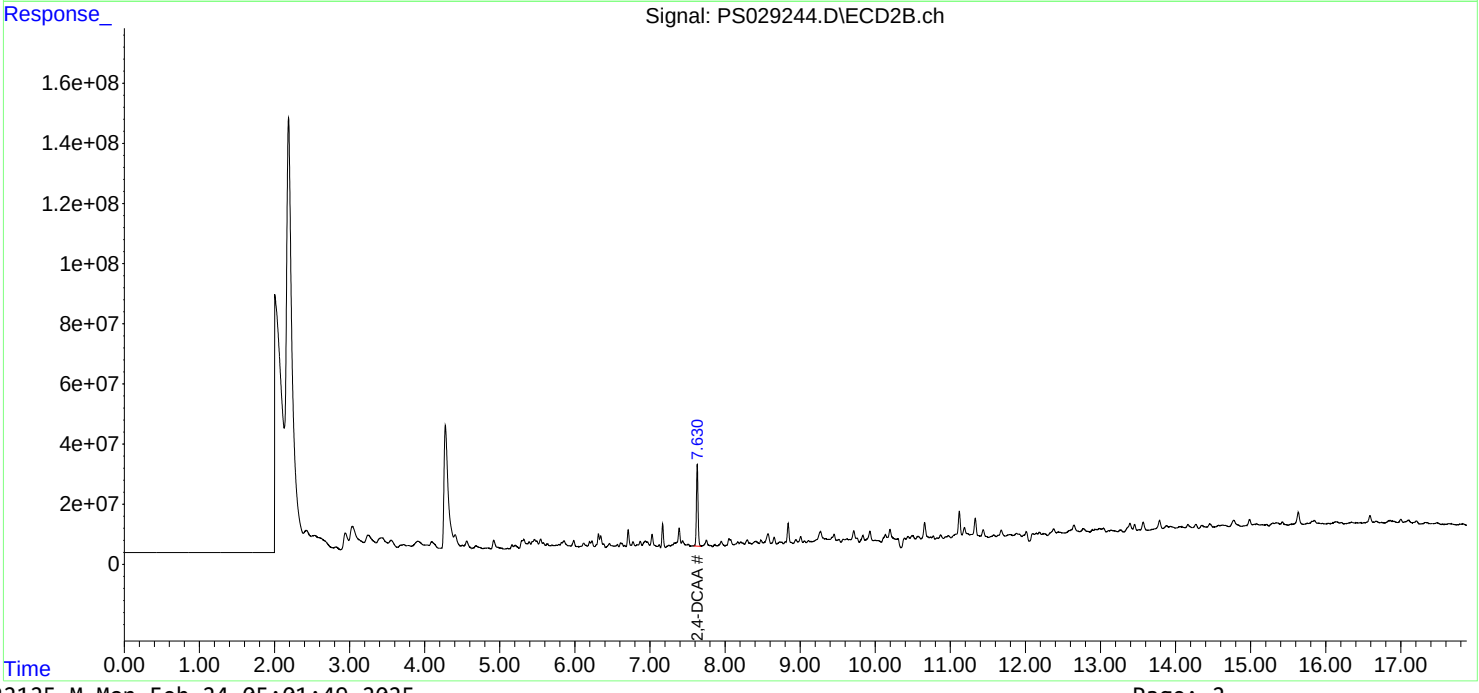
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725

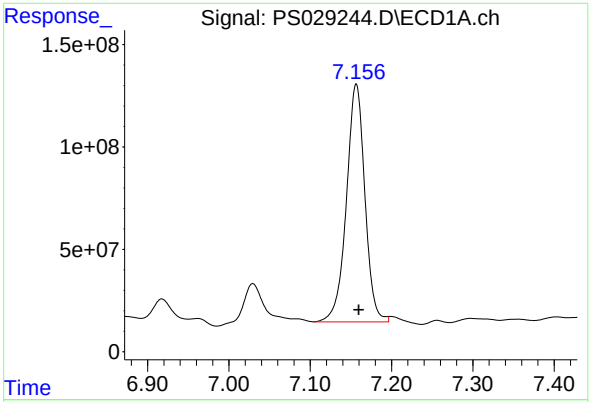
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







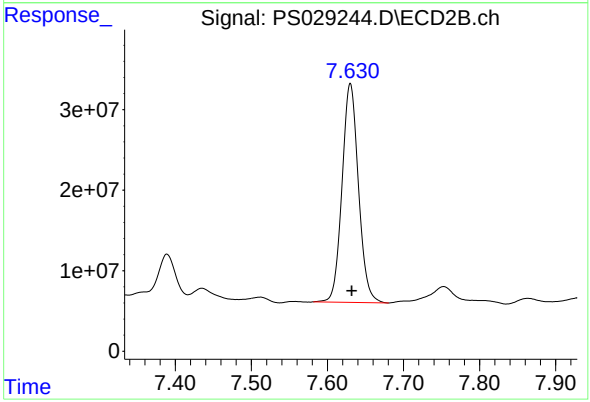
#4 2,4-DCAA

R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 1837356862
Conc: 445.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



#4 2,4-DCAA

R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 407623726
Conc: 433.49 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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-15-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-09	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92.5 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
PS029245.D	1	02/18/25 14:17	02/22/25 00:20	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0093	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	467		27 - 122		93%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029245.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 00:20
Operator : AR\AJ
Sample : Q1383-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.630	1924.7E6	419.0E6	467.099m	445.574
	Target Compounds						

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

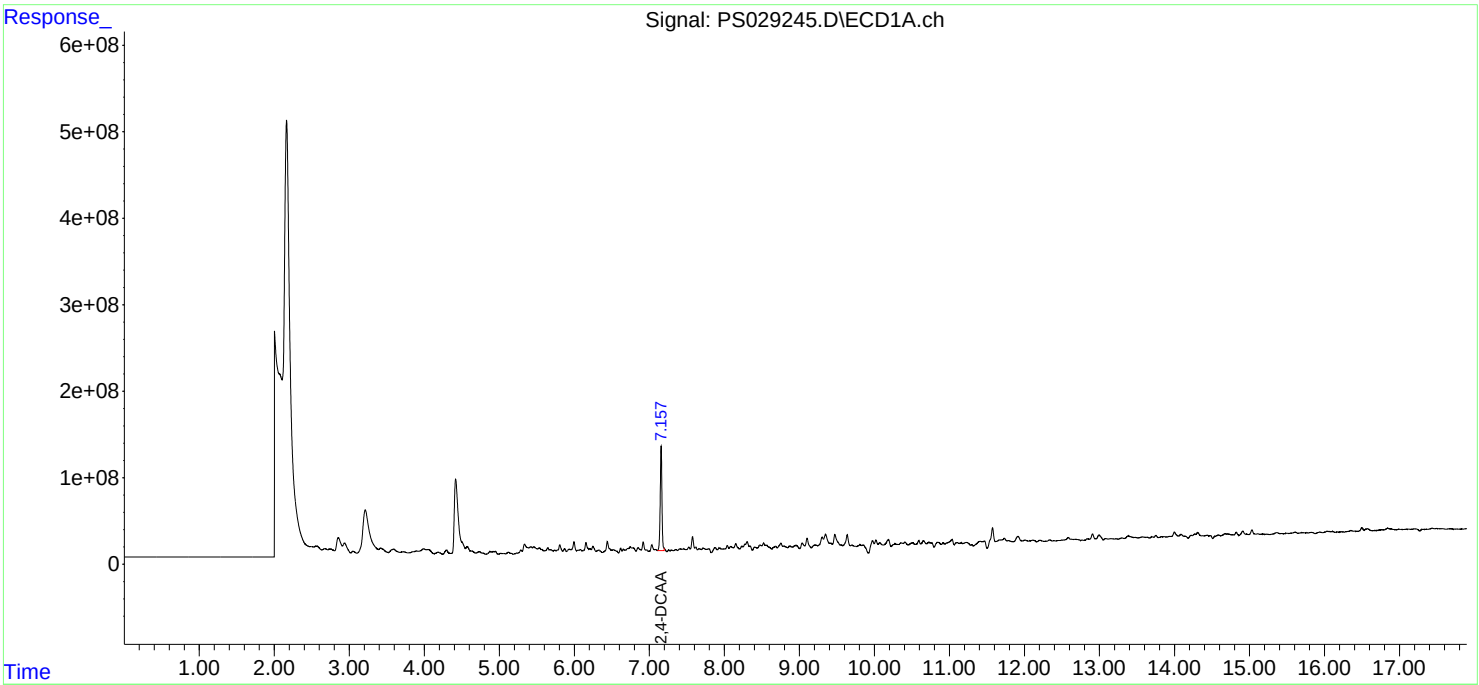
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029245.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 00:20
Operator : AR\AJ
Sample : Q1383-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

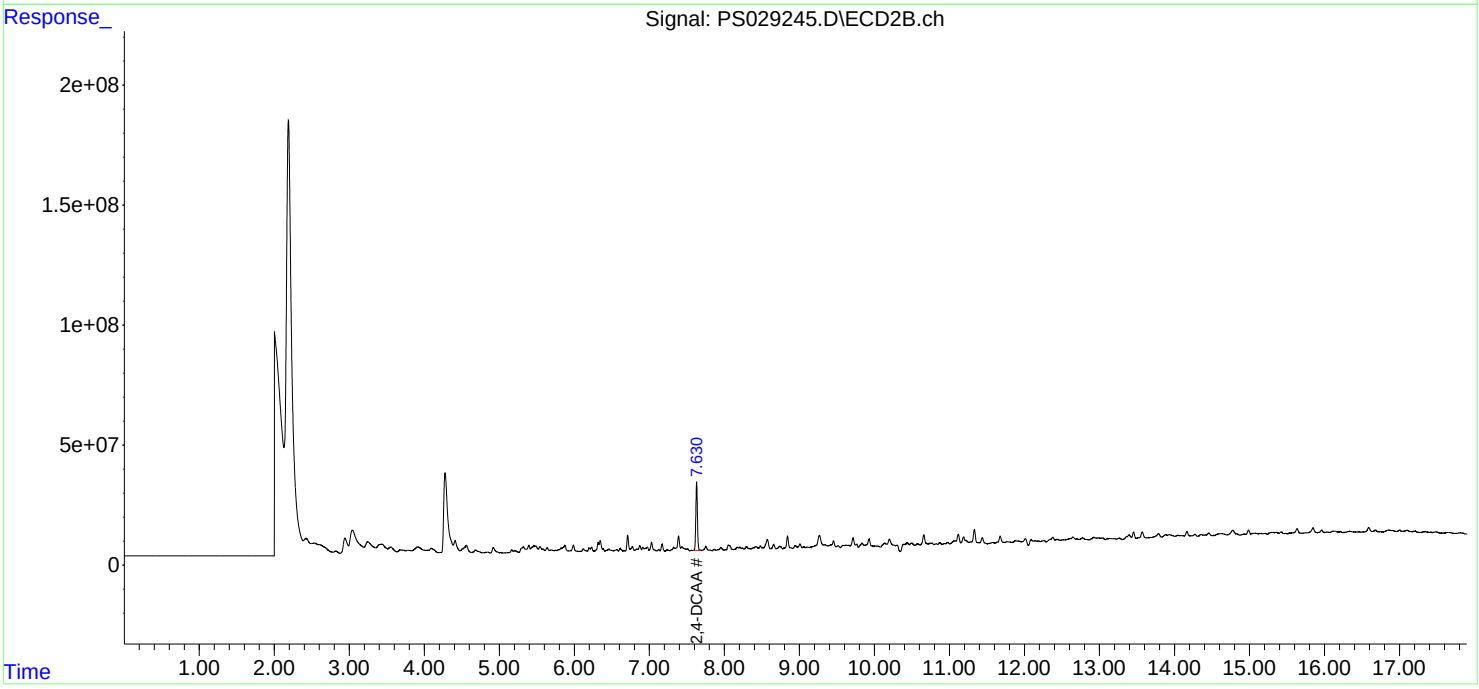
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725

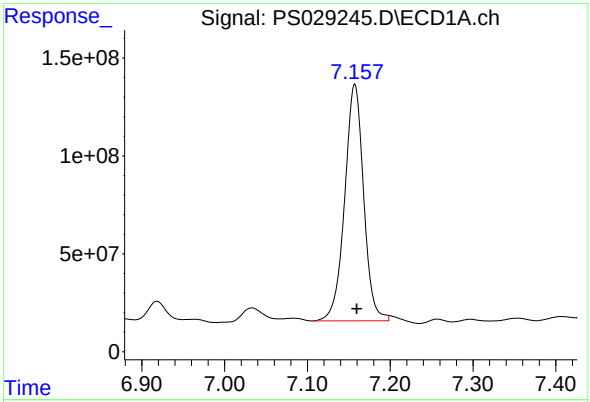
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







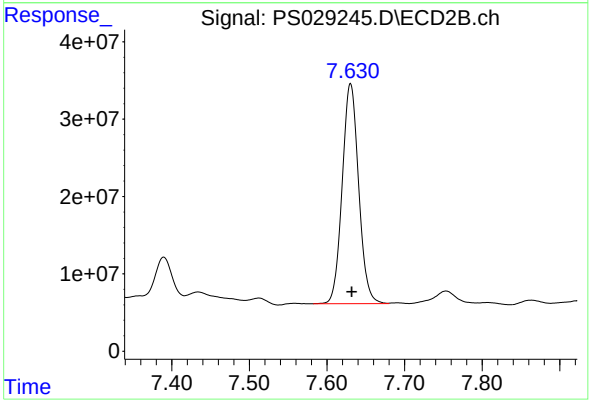
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 1924718318
Conc: 467.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



#4 2,4-DCAA

R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 418988256
Conc: 445.57 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-16-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-11	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92.1 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
PS029246.D	1	02/18/25 14:17	02/22/25 00:44	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	566		27 - 122		113%	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\PS022125\
Data File : PS029246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 00:44
Operator : AR\AJ
Sample : Q1383-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:14:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.156	7.630	2330.5E6	482.9E6	565.581m	513.558m
	Target Compounds						

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

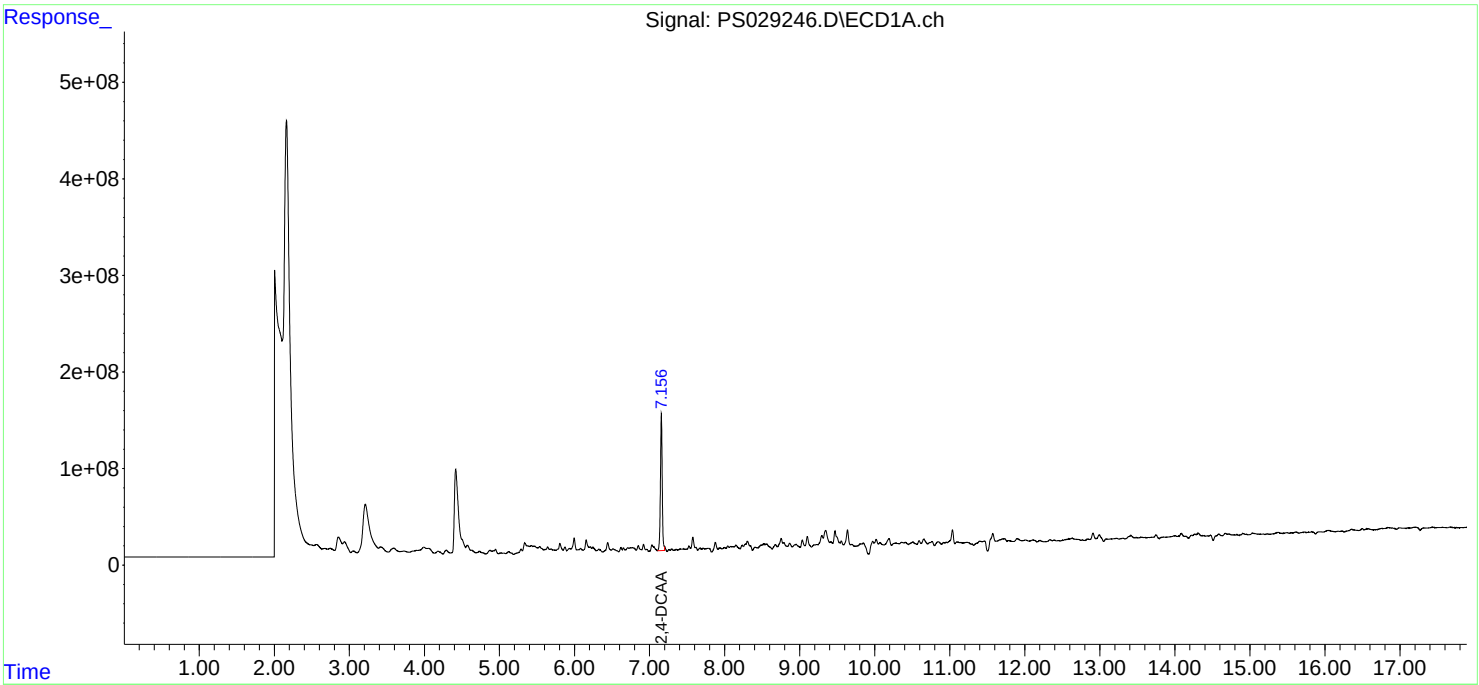
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 00:44
Operator : AR\AJ
Sample : Q1383-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

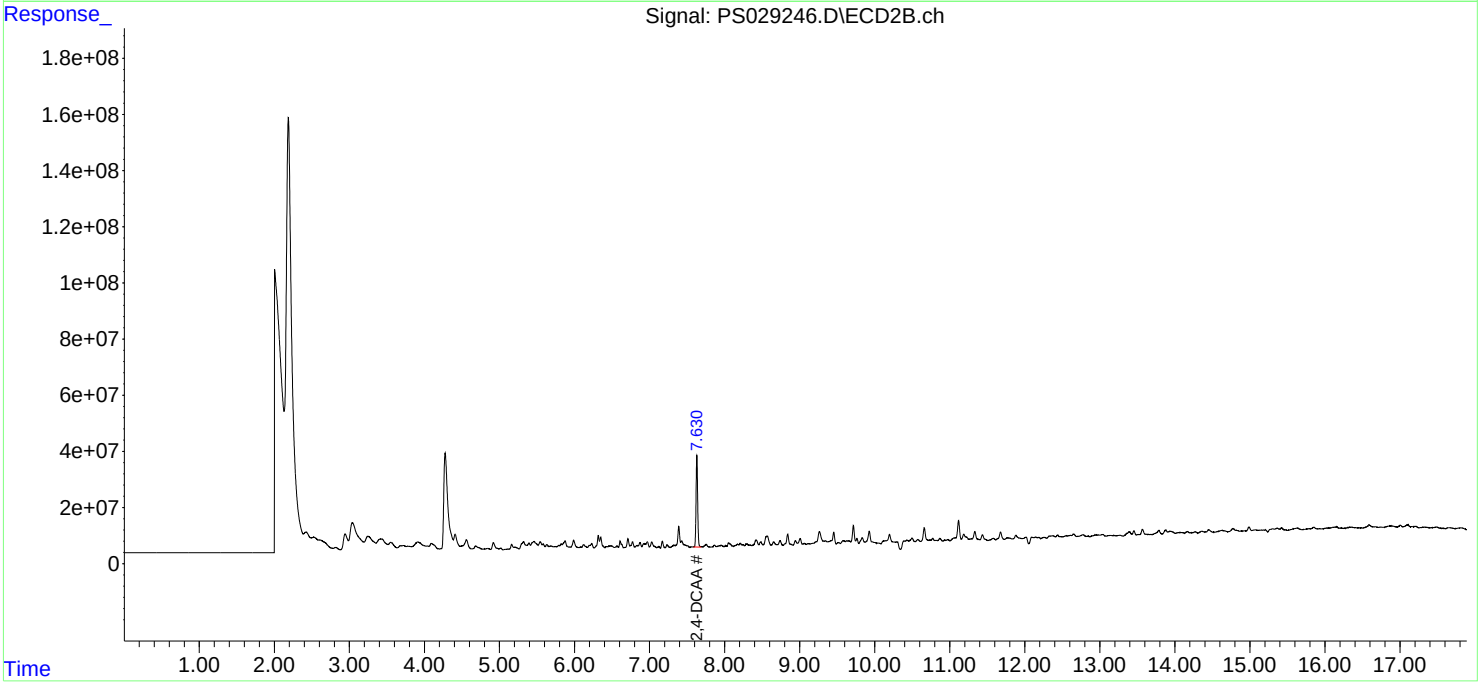
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725

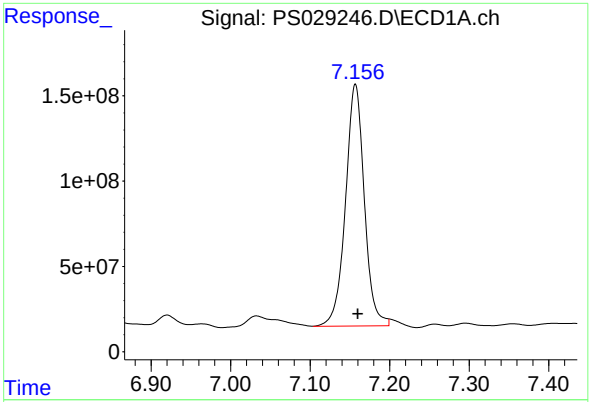
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:14:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #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







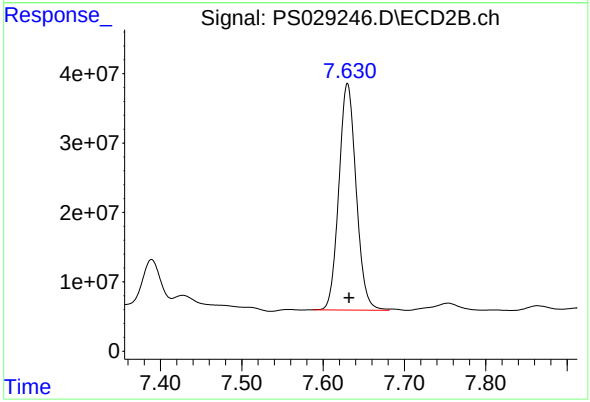
#4 2,4-DCAA

R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 2330520335
Conc: 565.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



#4 2,4-DCAA

R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 482914994
Conc: 513.56 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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-17-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-13	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	91.4 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
PS029247.D	1	02/18/25 14:17	02/22/25 01:08	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0095	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.055	U	0.027	0.055	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.055	U	0.014	0.055	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	616	*	27 - 122		123%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 01:08
Operator : AR\AJ
Sample : Q1383-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.156	7.629	2537.1E6	526.2E6	615.717m	559.591m
	Target Compounds						

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

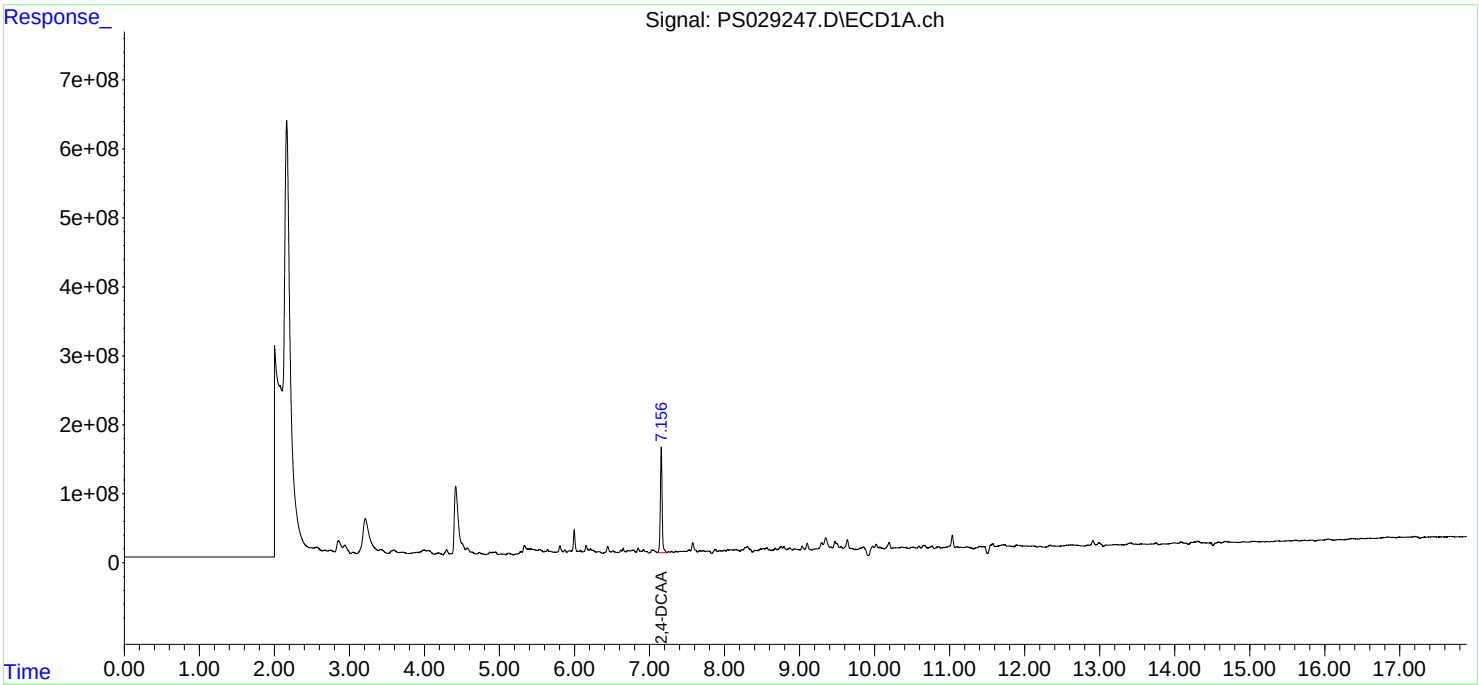
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 01:08
Operator : AR\AJ
Sample : Q1383-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

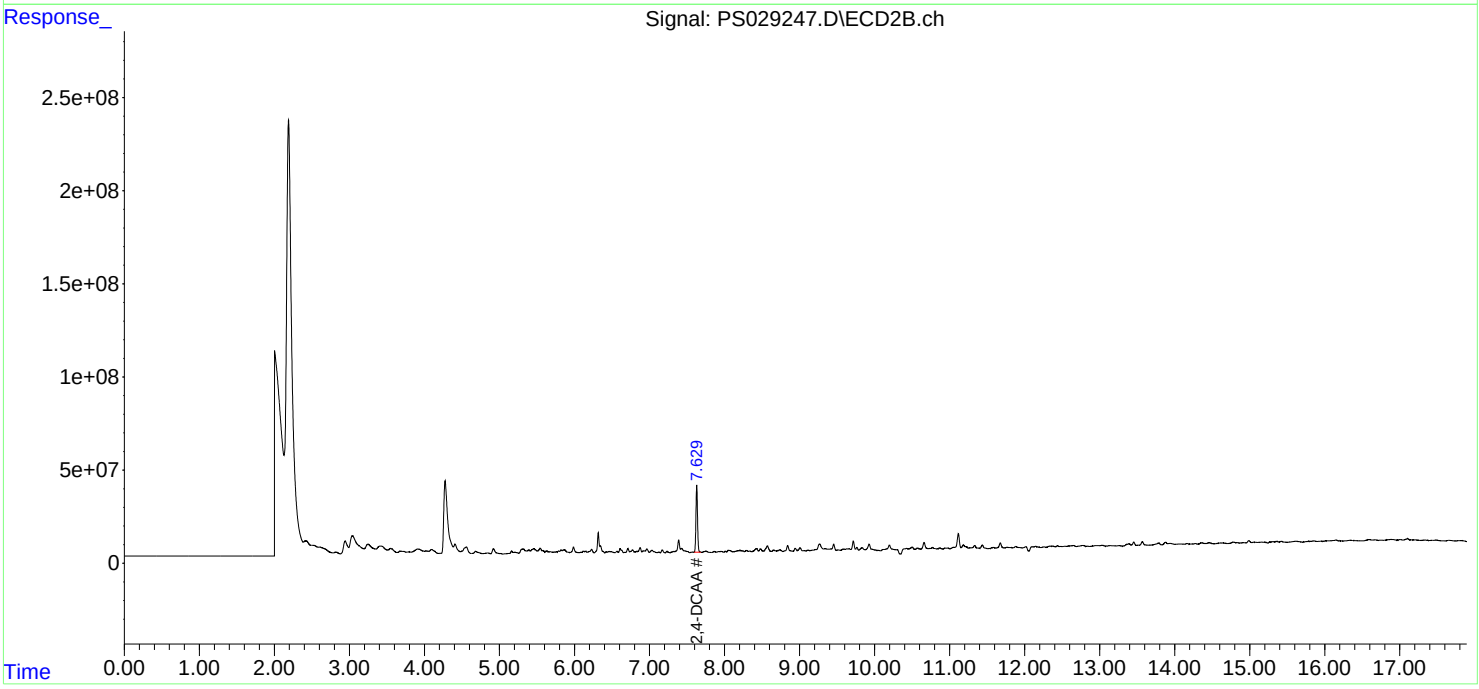
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725

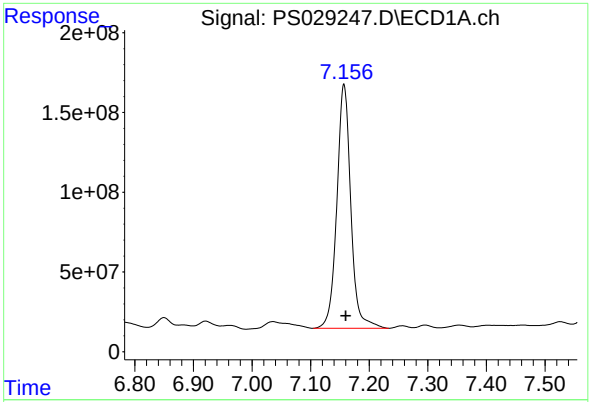
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







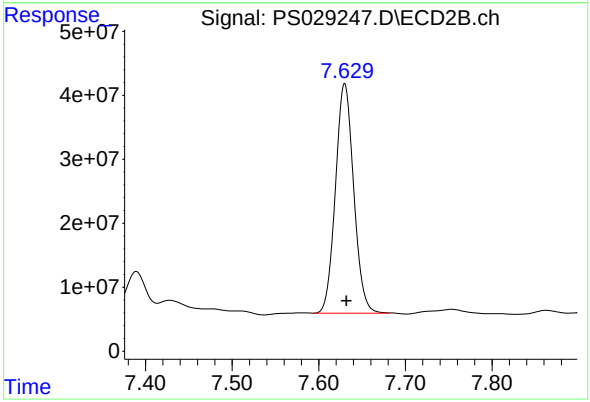
#4 2,4-DCAA

R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 2537110371
Conc: 615.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



#4 2,4-DCAA

R.T.: 7.629 min
Delta R.T.: -0.002 min
Response: 526201926
Conc: 559.59 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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-17-021725RE	SDG No.:	Q1383
Lab Sample ID:	Q1383-13RE	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	91.4 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
PS029260.D	1	02/18/25 14:17	02/24/25 13:11	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0095	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.055	U	0.027	0.055	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.055	U	0.014	0.055	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	659	*	27 - 122		132%	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\PS022425\
Data File : PS029260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 13:11
Operator : AR\AJ
Sample : Q1383-13RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 00:52:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.630	2716.9E6	552.8E6	659.356m	587.852m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 13:11
Operator : AR\AJ
Sample : Q1383-13RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

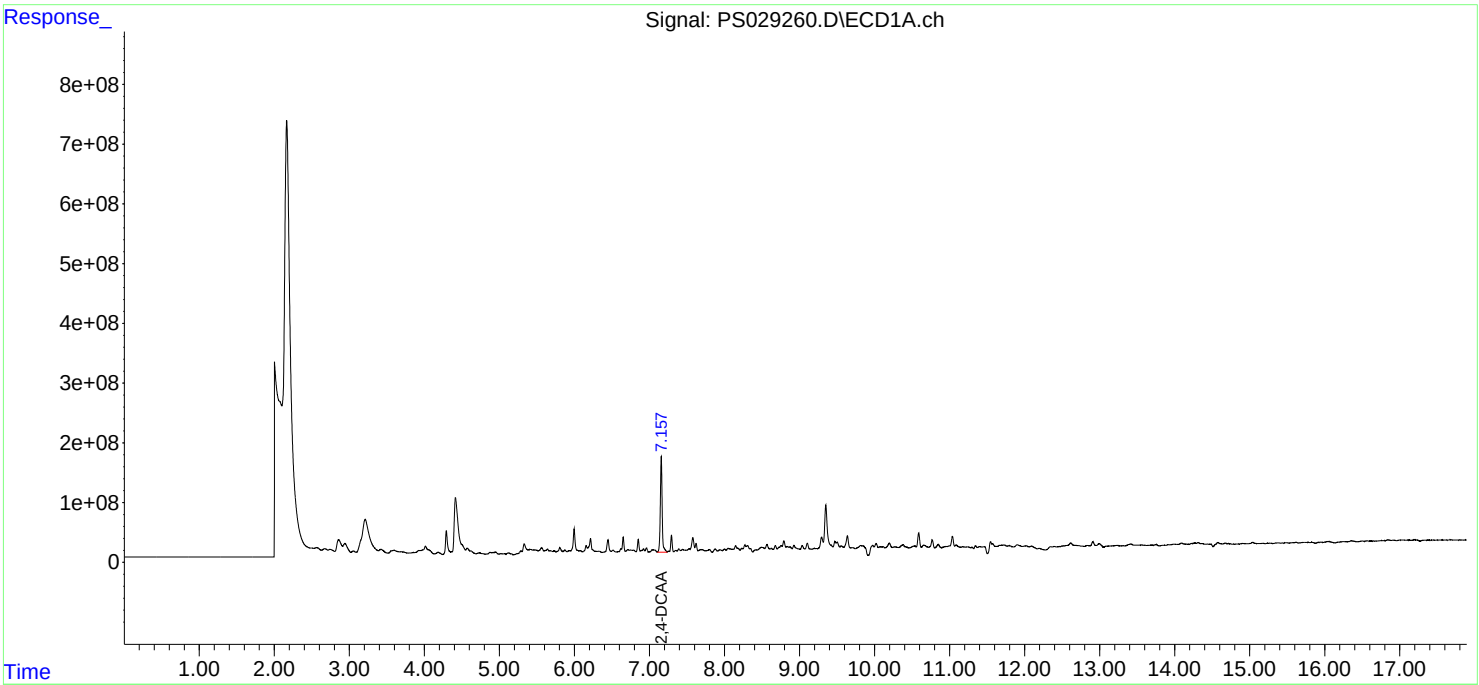
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE

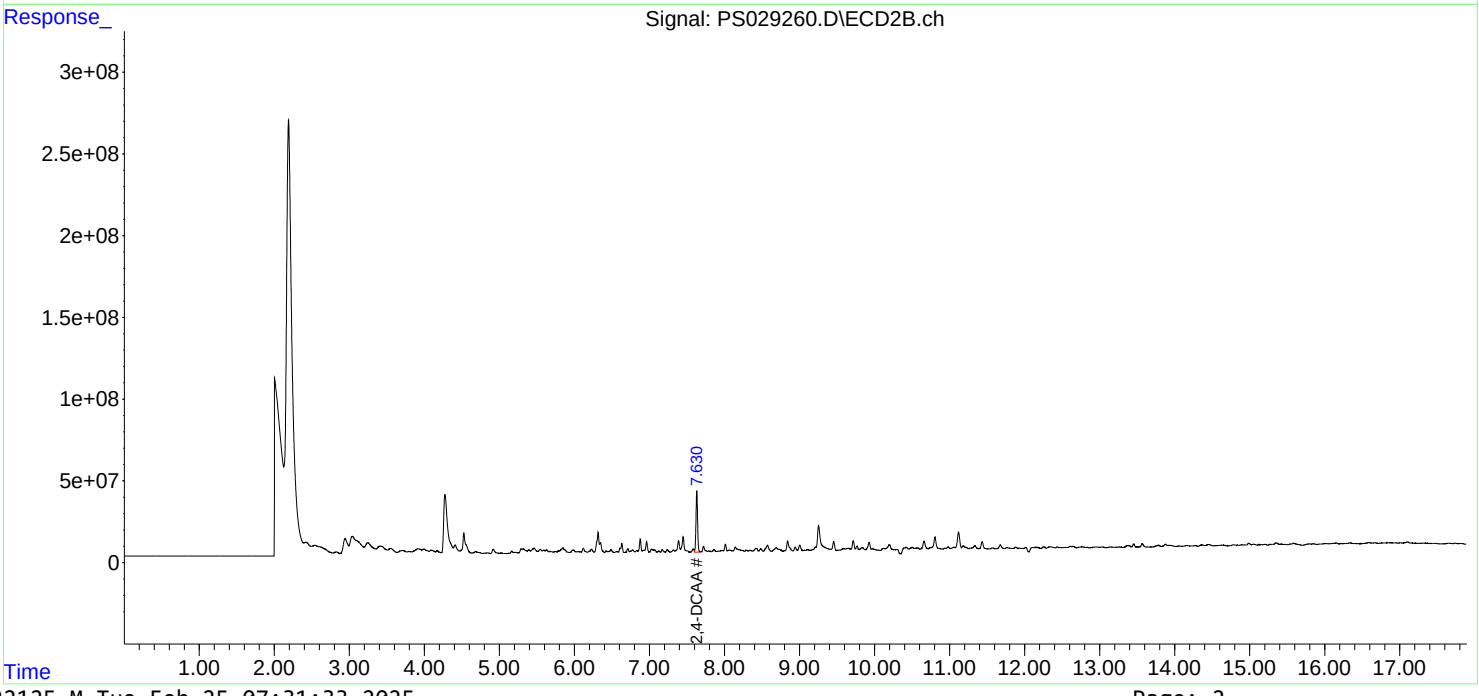
Manual Integrations APPROVED

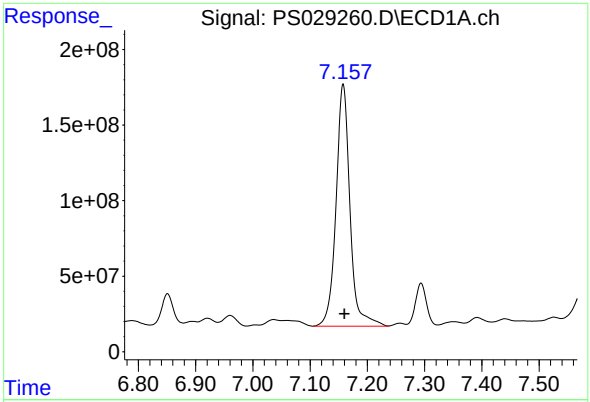
Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 00:52:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #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







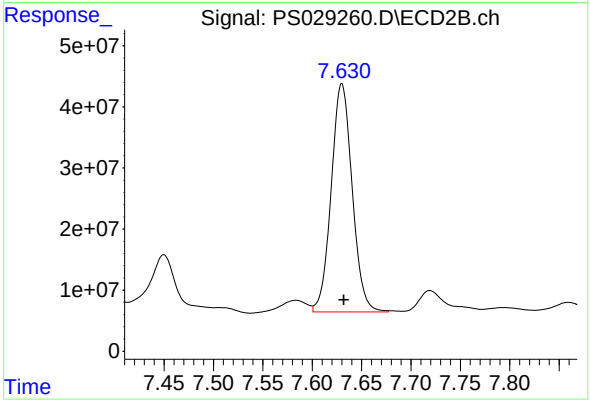
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.002 min
Response: 2716929018
Conc: 659.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



#4 2,4-DCAA

R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 552776910
Conc: 587.85 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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-18-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-15	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	91.9 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
PS029248.D	1	02/18/25 14:17	02/22/25 01:32	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.054	U	0.014	0.054	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	280		27 - 122		56%	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\PS022125\
Data File : PS029248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 01:32
Operator : AR\AJ
Sample : Q1383-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:15:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.158	7.630	1151.9E6	238.3E6	279.558m	253.420m
	Target Compounds						

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

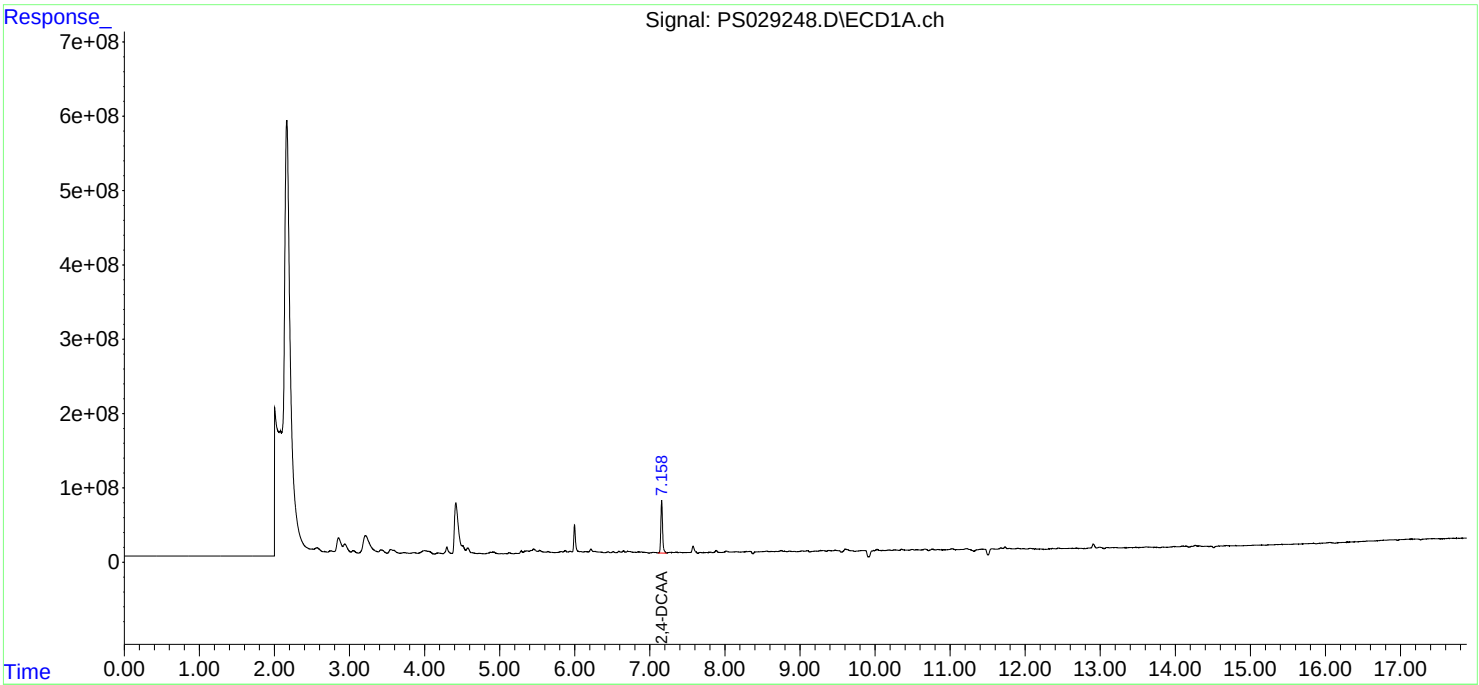
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 01:32
Operator : AR\AJ
Sample : Q1383-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

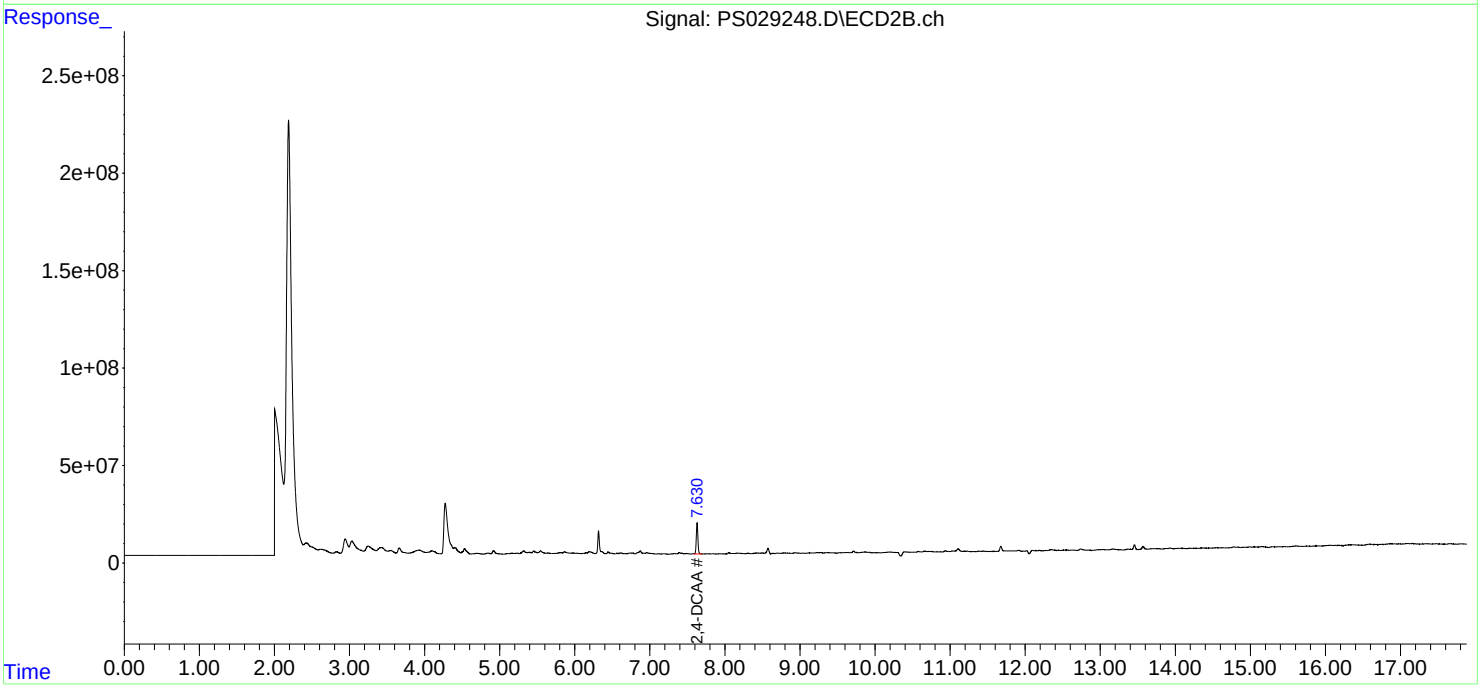
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725

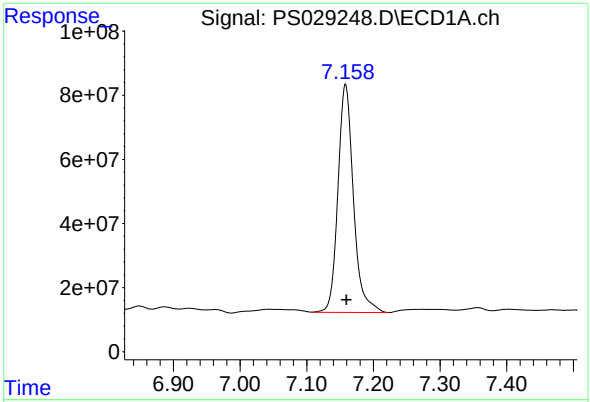
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:15:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







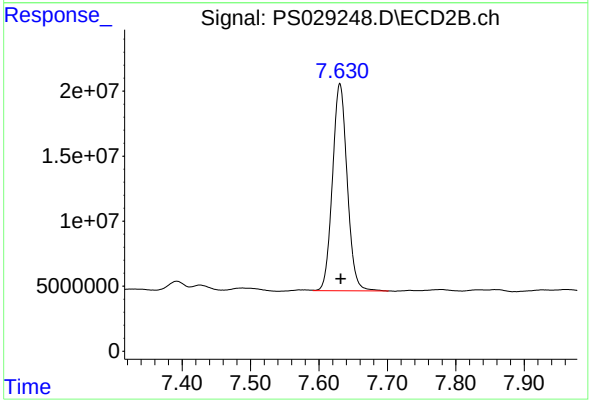
#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 1151942235
Conc: 279.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/22/2025
Supervised By :Ankita Jodhani 02/24/2025



#4 2,4-DCAA

R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 238299115
Conc: 253.42 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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-19-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-17	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92.1 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
PS029249.D	1	02/18/25 14:17	02/22/25 01:56	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	300		27 - 122		60%	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\PS022125\
Data File : PS029249.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 01:56
Operator : AR\AJ
Sample : Q1383-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-19-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:16:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.158	7.630	1235.6E6	262.8E6	299.852	279.482
	Target Compounds						

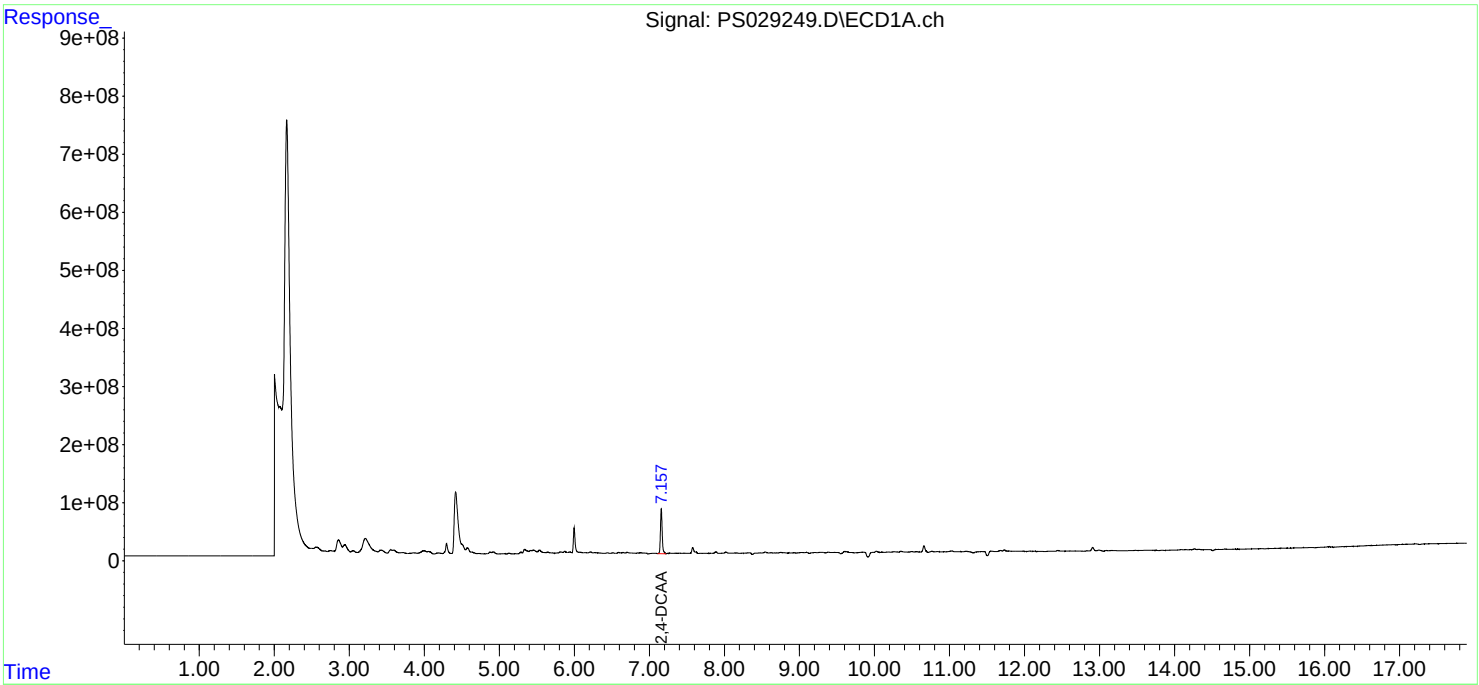
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

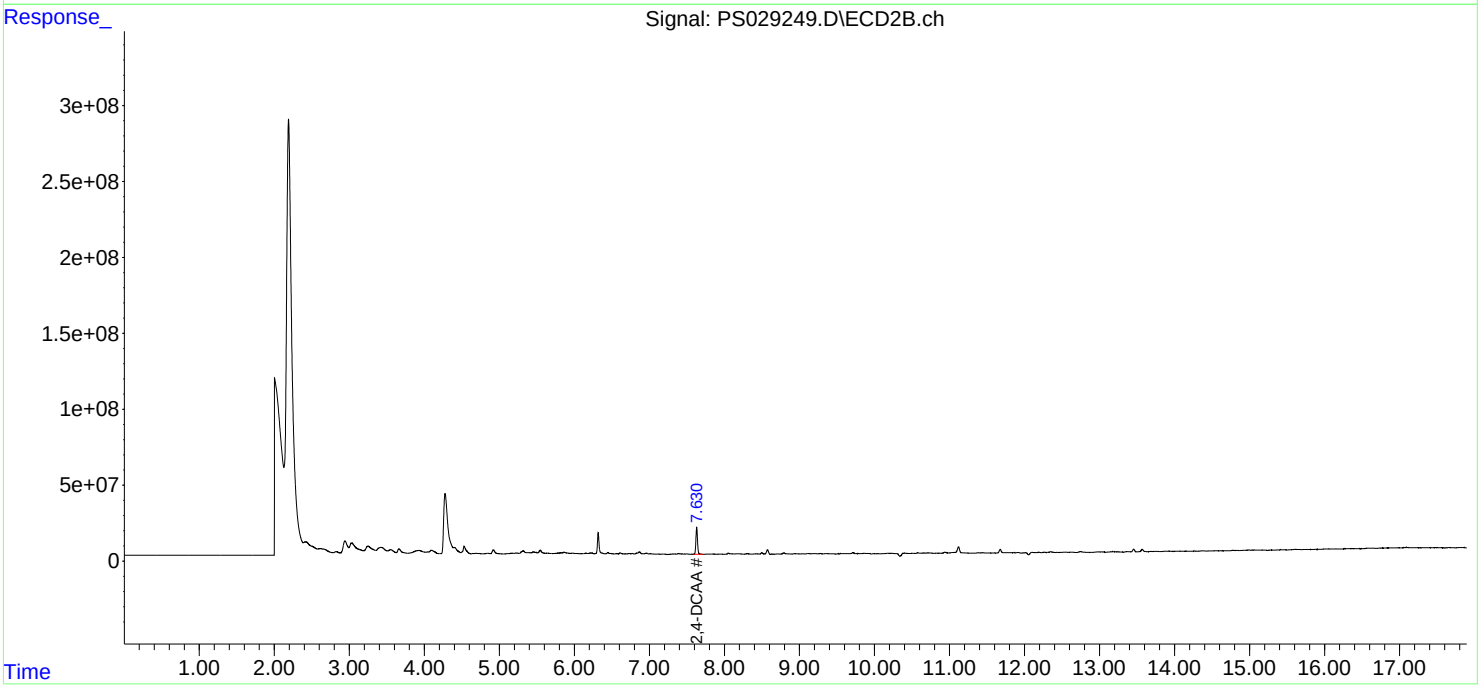
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029249.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 01:56
Operator : AR\AJ
Sample : Q1383-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

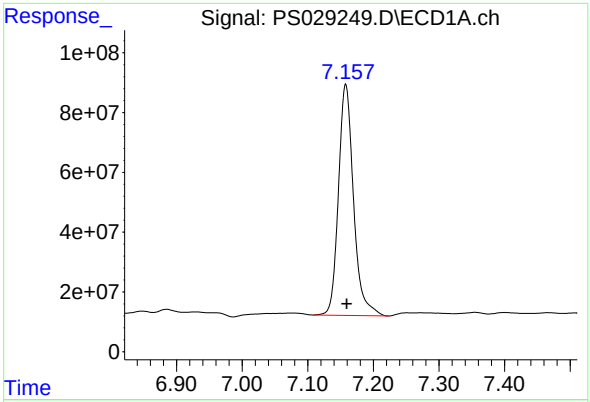
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-19-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:16:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



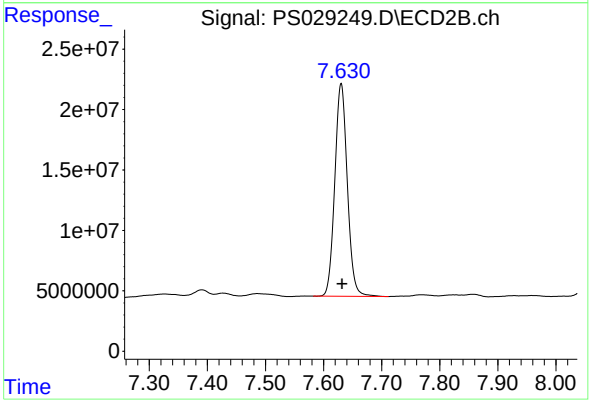




#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 1235562949
Conc: 299.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-19-021725



#4 2,4-DCAA

R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 262805996
Conc: 279.48 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-20-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-19	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92.2 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
PS029250.D	1	02/18/25 14:17	02/22/25 02:20	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.073	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.073	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.073	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.073	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.073	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.073	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.073	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.073	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	299		27 - 122		60%	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\PS022125\
Data File : PS029250.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 02:20
Operator : AR\AJ
Sample : Q1383-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-20-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:16:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.158	7.630	1231.8E6	256.4E6	298.930	272.619
	Target Compounds						

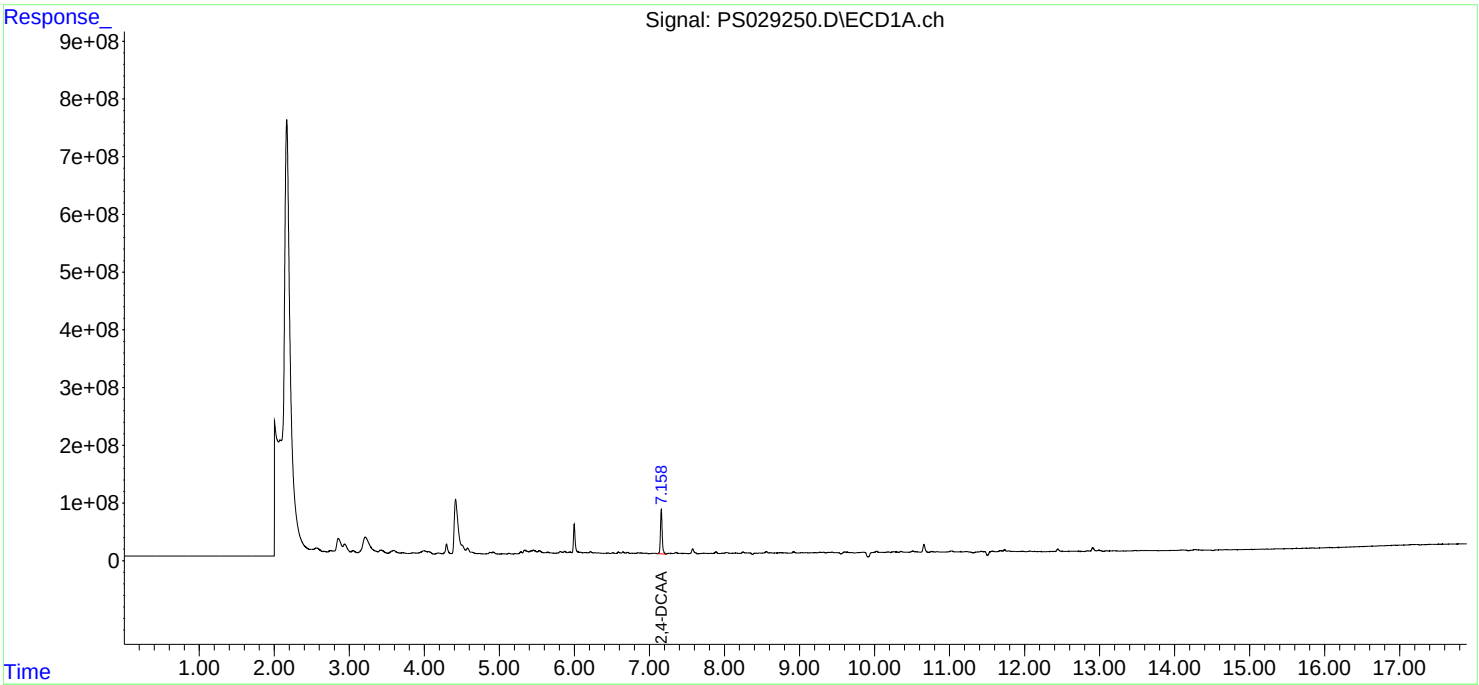
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

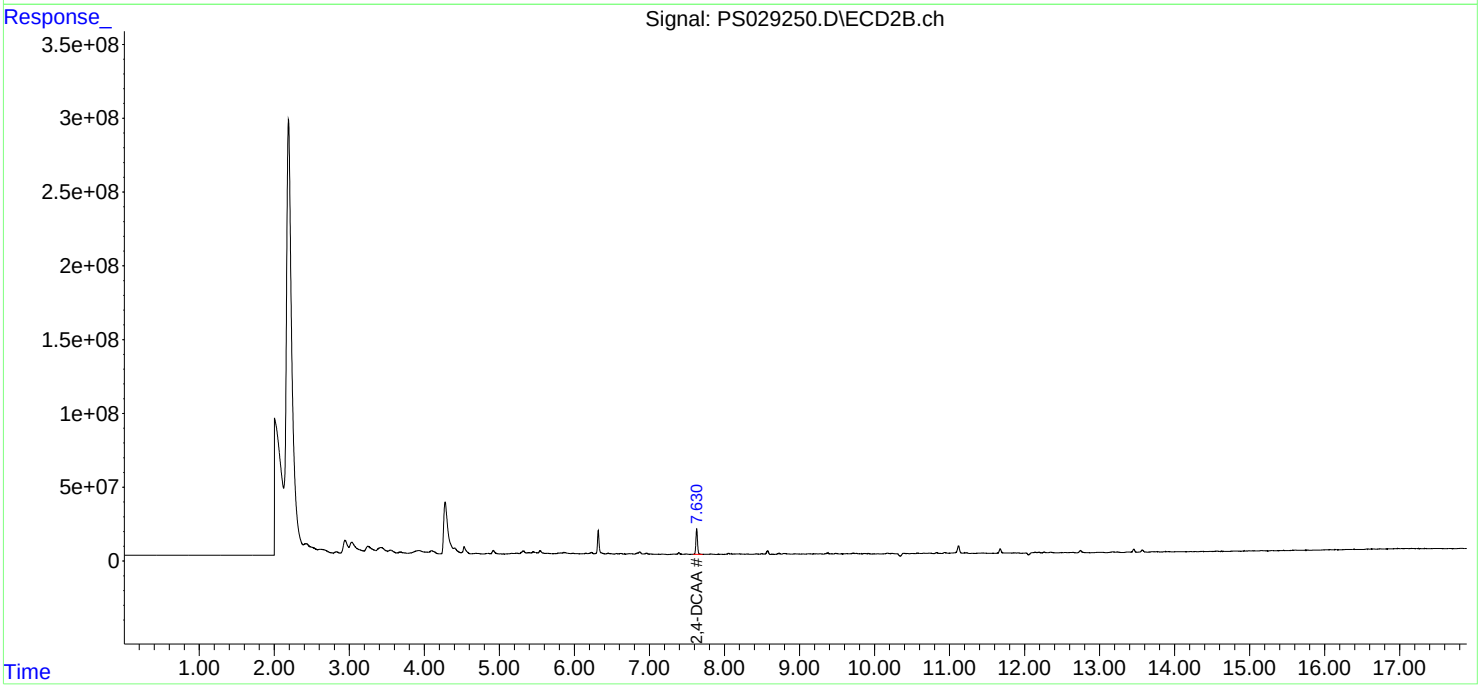
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029250.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 02:20
Operator : AR\AJ
Sample : Q1383-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

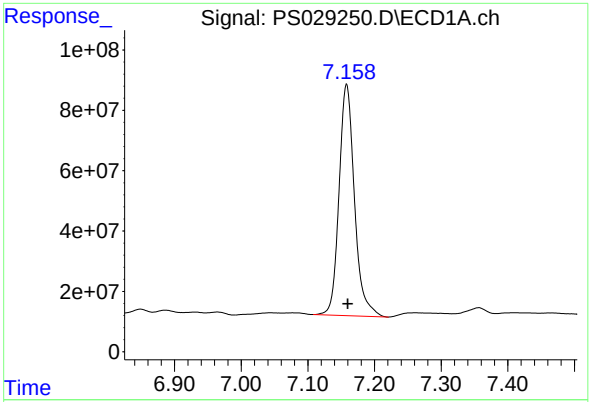
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-20-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:16:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



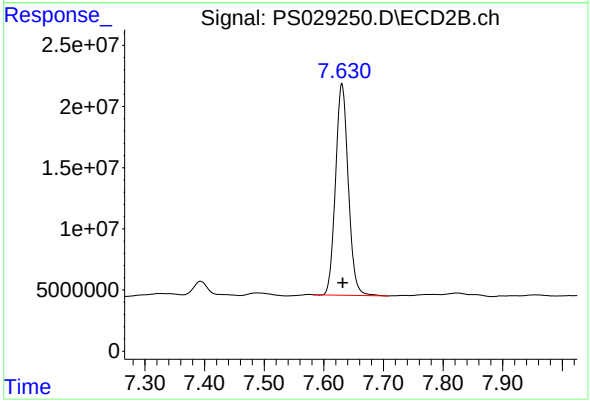




#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 1231765873
Conc: 298.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-20-021725



#4 2,4-DCAA

R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 256352524
Conc: 272.62 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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-CF-15-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-21	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92.5 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029292.D	1	02/18/25 14:17	02/26/25 14:58	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.036	U	0.0094	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.054	U	0.027	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.036	U	0.010	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.036	U	0.013	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.036	U	0.010	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.036	U	0.011	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.036	U	0.020	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	315		27 - 122		63%	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\PS022625\
Data File : PS029292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 14:58
Operator : AR\AJ
Sample : Q1383-21
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:01:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.161	7.624	1298.2E6	255.4E6	315.044	271.609m
	Target Compounds						

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

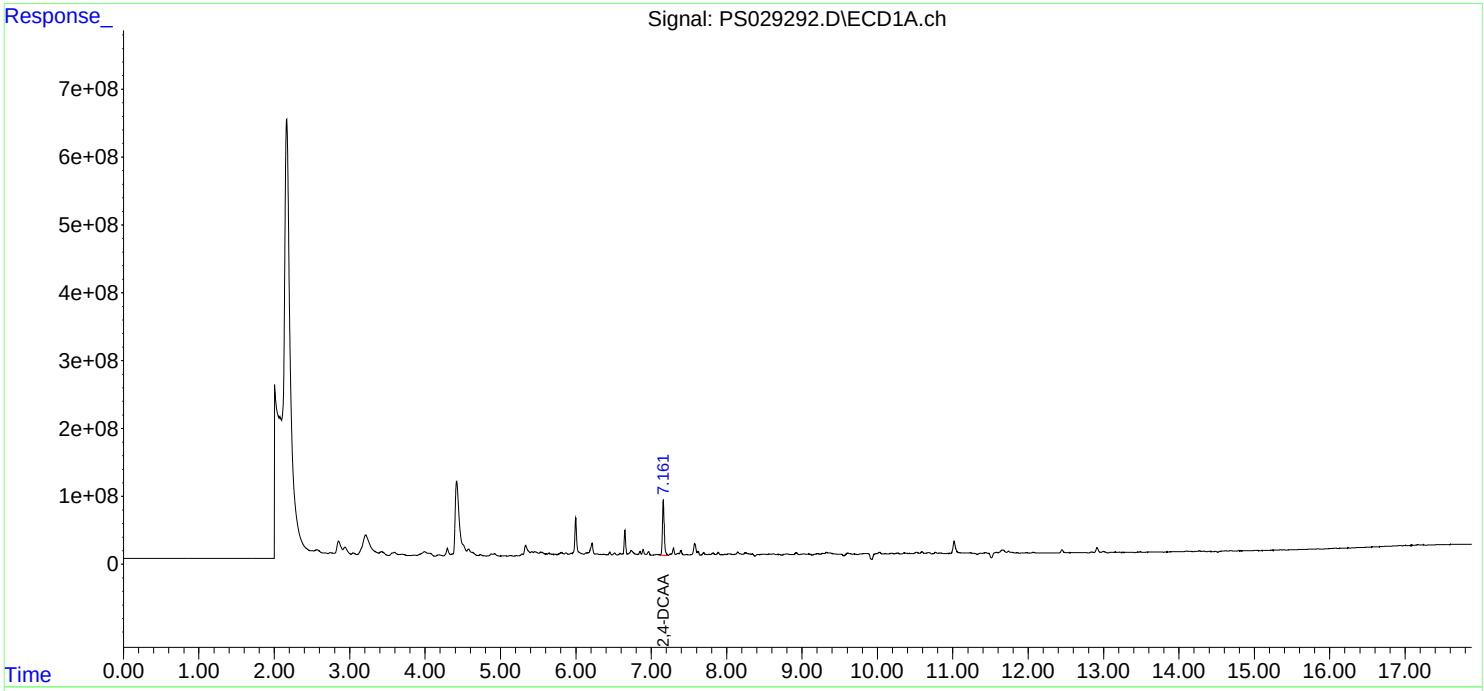
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 14:58
Operator : AR\AJ
Sample : Q1383-21
Misc :
ALS Vial : 4 Sample Multiplier: 1

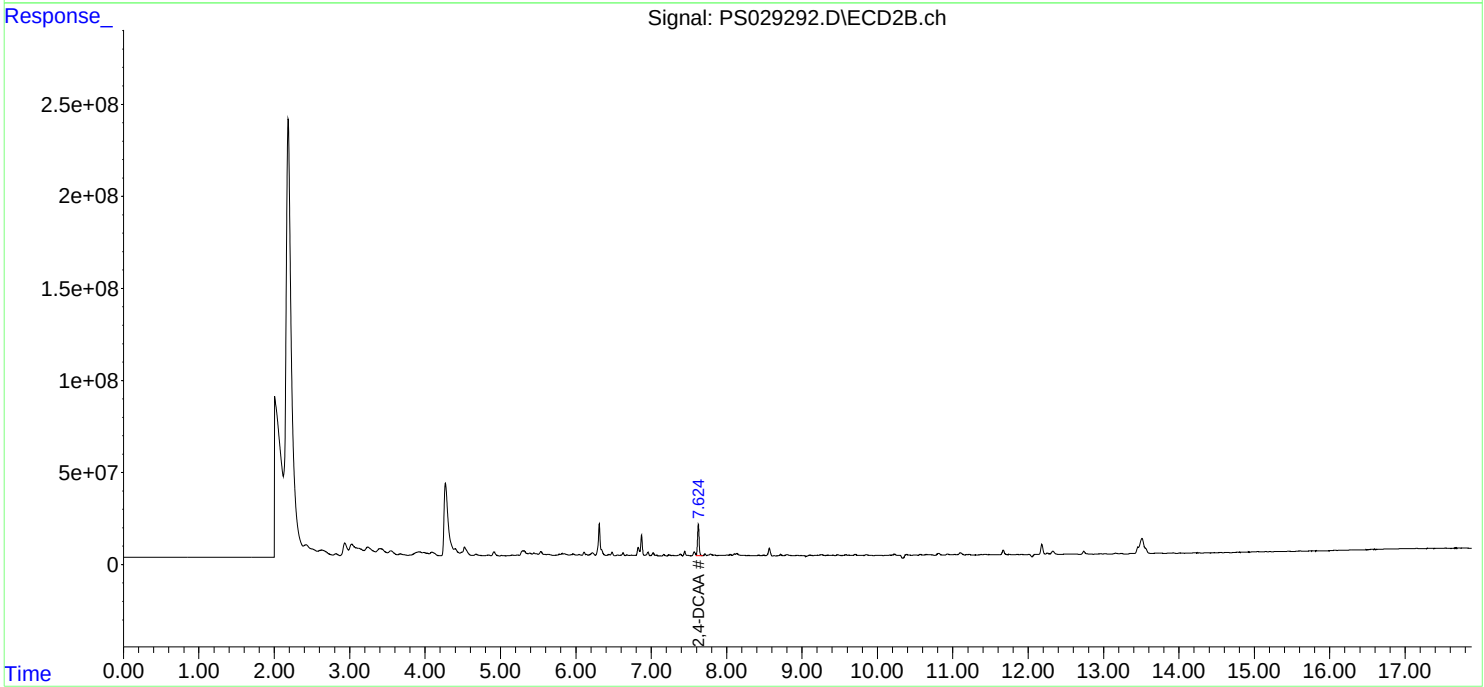
Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725

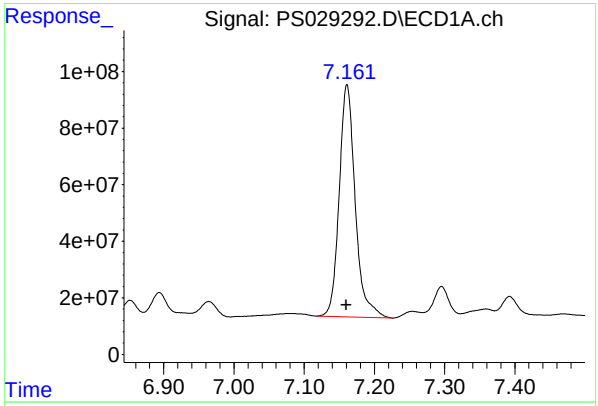
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:01:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







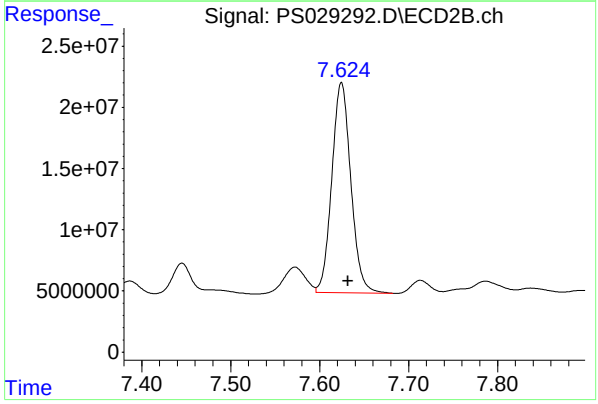
#4 2,4-DCAA

R.T.: 7.161 min
Delta R.T.: 0.001 mi
Response: 1298164681
Conc: 315.04 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



#4 2,4-DCAA

R.T.: 7.624 min
Delta R.T.: -0.008 min
Response: 255402423
Conc: 271.61 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

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Instrument ID: ECD_S **Calibration Date(s):** 02/21/2025 02/21/2025

Calibration Times: 19:56 21:32

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

LAB FILE ID: RT 200 = PS029234.D RT 500 = PS029235.D

RT 750 = PS029236.D RT 1000 = PS029237.D RT 1500 = PS029238.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.43	9.43	9.43	9.43	9.43	9.43	9.33	9.53
2,4,5-TP(Silvex)	9.14	9.14	9.14	9.14	9.14	9.14	9.04	9.24
2,4-D	8.27	8.27	8.27	8.27	8.27	8.27	8.17	8.37
2,4-DB	10.00	10.00	10.00	10.00	10.00	10.00	9.90	10.10
2,4-DCAA	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Dalapon	2.60	2.60	2.60	2.60	2.60	2.60	2.50	2.70
DICAMBA	7.34	7.34	7.34	7.34	7.34	7.34	7.24	7.44
DICHLORPROP	8.04	8.04	8.04	8.04	8.04	8.04	7.94	8.14
Dinoseb	11.20	11.19	11.19	11.19	11.19	11.19	11.09	11.29

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Instrument ID: ECD_S **Calibration Date(s):** 02/21/2025 02/21/2025

Calibration Times: 19:56 21:32

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

LAB FILE ID: RT 200 = PS029234.D RT 500 = PS029235.D

RT 750 = PS029236.D RT 1000 = PS029237.D RT 1500 = PS029238.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.17	10.17	10.17	10.17	10.17	10.17	10.07	10.27
2,4,5-TP(Silvex)	9.76	9.76	9.76	9.76	9.76	9.76	9.66	9.86
2,4-D	8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
2,4-DB	10.74	10.73	10.73	10.73	10.73	10.73	10.63	10.83
2,4-DCAA	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
Dalapon	2.65	2.65	2.65	2.65	2.65	2.65	2.55	2.75
DICAMBA	7.83	7.83	7.83	7.83	7.83	7.83	7.73	7.93
DICHLORPROP	8.54	8.54	8.54	8.54	8.54	8.54	8.44	8.64
Dinoseb	11.11	11.11	11.11	11.11	11.11	11.11	11.01	11.21

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Instrument ID: ECD_S **Calibration Date(s):** 02/21/2025 02/21/2025

Calibration Times: 19:56 21:32

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

LAB FILE ID: CF 200 = PS029234.D CF 500 = PS029235.D

CF 750 = PS029236.D CF 1000 = PS029237.D CF 1500 = PS029238.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	29607100000	26268900000	24860300000	24114000000	22593200000	25488700000	10
2,4,5-TP(Silvex)	28468600000	25326000000	23950000000	23359600000	21830500000	24586900000	10
2,4-D	5578960000	4794680000	4576300000	4498750000	4303460000	4750430000	10
2,4-DB	4488720000	4180160000	4092070000	4108380000	4007810000	4175430000	4
2,4-DCAA	4834500000	4175340000	3953240000	3904380000	3735430000	4120580000	10
Dalapon	6274730000	5520590000	5334970000	5283910000	5187230000	5520290000	8
DICAMBA	19601700000	17685800000	16950400000	16715200000	15876700000	17366000000	8
DICHLORPROP	5513800000	4628210000	4384630000	4319110000	4136550000	4596460000	12
Dinoseb	19185600000	17038000000	16150800000	15817400000	14962300000	16630800000	10

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Instrument ID: ECD_S **Calibration Date(s):** 02/21/2025 02/21/2025

Calibration Times: 19:56 21:32

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

LAB FILE ID: **CF 200 =** PS029234.D **CF 500 =** PS029235.D

CF 750 = PS029236.D **CF 1000 =** PS029237.D **CF 1500 =** PS029238.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	8429230000	8216460000	8163170000	8194980000	8047610000	8210290000	2
2,4,5-TP(Silvex)	9297750000	9072730000	8996050000	9011120000	8805850000	9036700000	2
2,4-D	1363000000	1257020000	1239960000	1254990000	1234500000	1269900000	4
2,4-DB	793011000	754052000	749826000	760484000	770584000	765591000	2
2,4-DCAA	1014780000	934728000	917942000	923871000	910342000	940333000	5
Dalapon	2379510000	2098350000	2055290000	2046690000	2005750000	2117120000	7
DICAMBA	5109890000	5077600000	5124980000	5240080000	5212300000	5152970000	1
DICHLORPROP	1398400000	1270890000	1245140000	1249450000	1229920000	1278760000	5
Dinoseb	6375280000	6049280000	5959160000	6001540000	5922360000	6061520000	3

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029234.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 19:56
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 00:46:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.161	7.633	966.9E6	203.0E6	244.585	221.099
		Target Compounds						
1)	T	Dalapon	2.596	2.647	1142.0E6	433.1E6	214.059	210.711
2)	T	3,5-DICHL...	6.343	6.605	1252.0E6	283.3E6	220.475	204.397
3)	T	4-Nitroph...	6.963	7.165	432.8E6	156.3E6	186.506	200.822
5)	T	DICAMBA	7.343	7.827	3685.1E6	960.7E6	217.406	187.446
6)	T	MCPP	7.519	7.928	211.8E6	40449994	17.087	17.193
7)	T	MCPA	7.666	8.167	314.8E6	56152825	18.744	17.627
8)	T	DICHLORPROP	8.043	8.537	1036.6E6	262.9E6	236.416	211.141
9)	T	2,4-D	8.274	8.863	1048.8E6	256.2E6	229.191	206.654
10)	T	Pentachlo...	8.564	9.379	14573.6E6	4615.9E6	245.609	201.204
11)	T	2,4,5-TP ...	9.139	9.756	5409.0E6	1766.6E6	225.847	196.372
12)	T	2,4,5-T	9.431	10.172	5625.4E6	1601.6E6	226.279	196.193
13)	T	2,4-DB	10.001	10.735	852.9E6	150.7E6	208.417	200.943
14)	T	DINOSEB	11.195	11.110	3606.9E6	1198.6E6	223.327	201.128
15)	T	Picloram	11.011	12.188	6139.0E6	2015.5E6	202.335	171.699
16)	T	DCPA	11.491	12.144	6822.9E6	2326.8E6	233.593	196.624

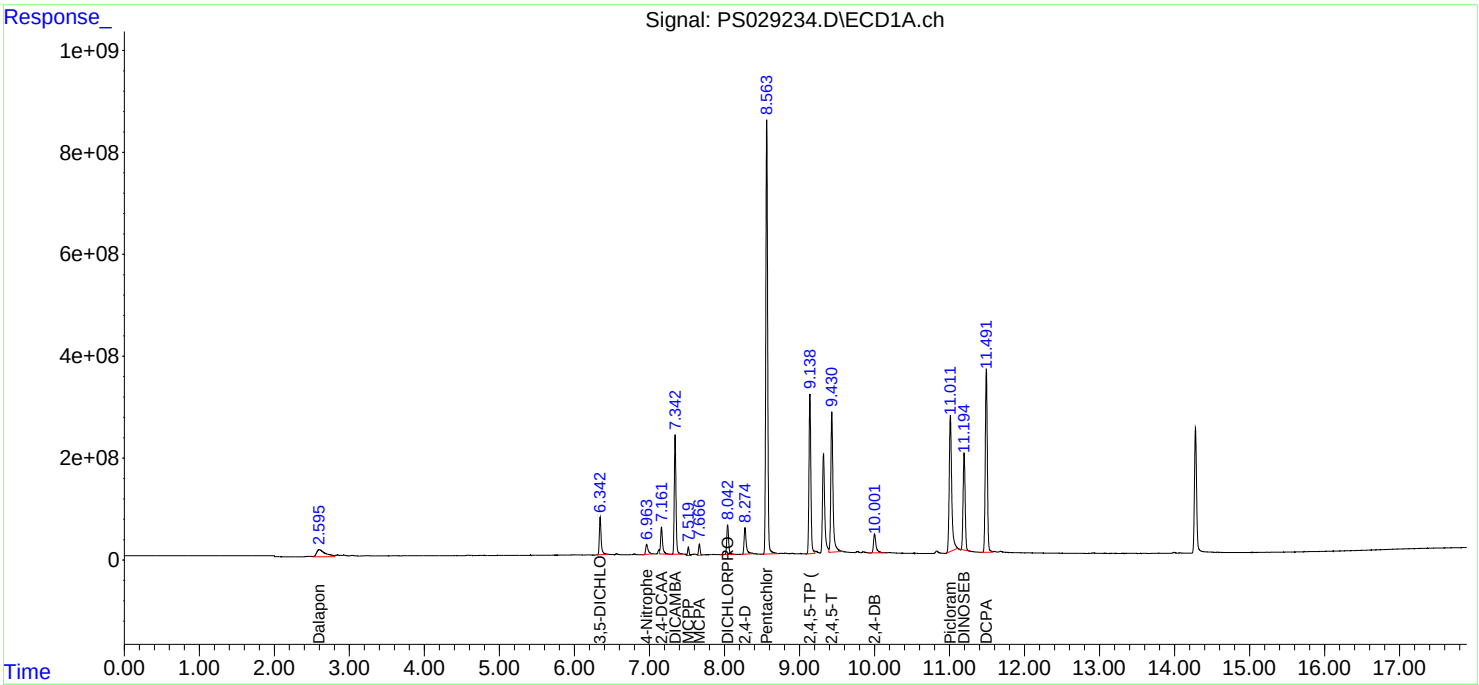
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

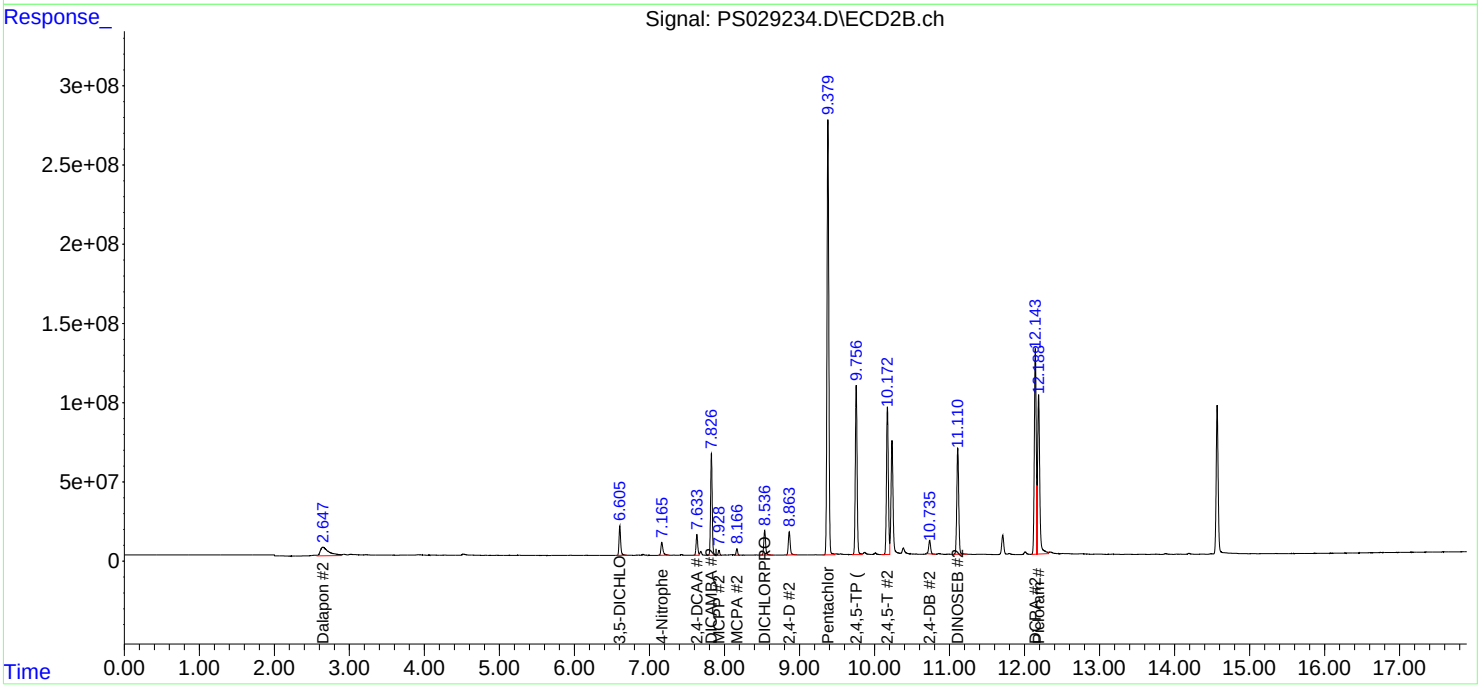
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029234.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 19:56
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

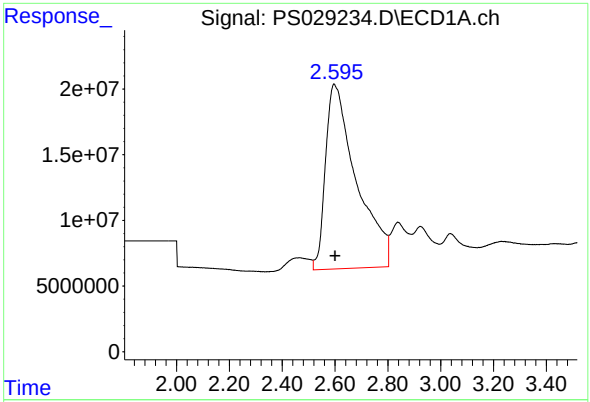
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 00:46:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



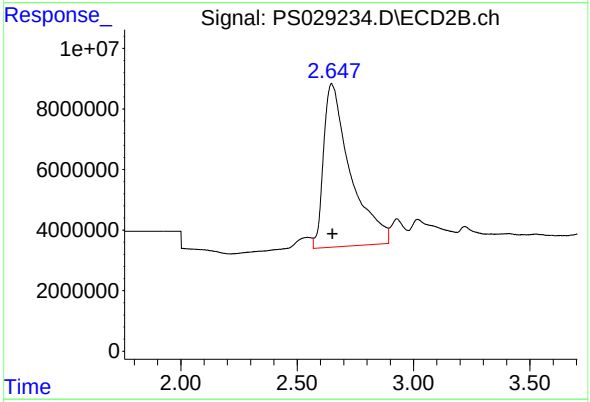




#1 Dalapon

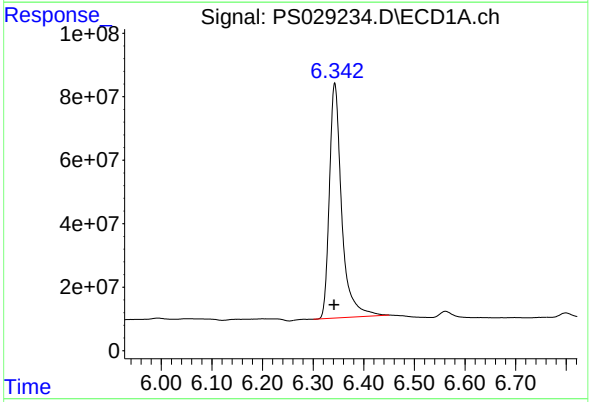
R.T.: 2.596 min
Delta R.T.: -0.004 min
Response: 1142001055
Conc: 214.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



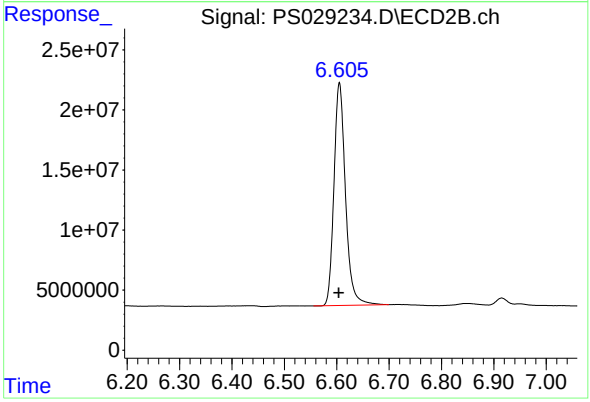
#1 Dalapon

R.T.: 2.647 min
Delta R.T.: -0.004 min
Response: 433071514
Conc: 210.71 ng/ml



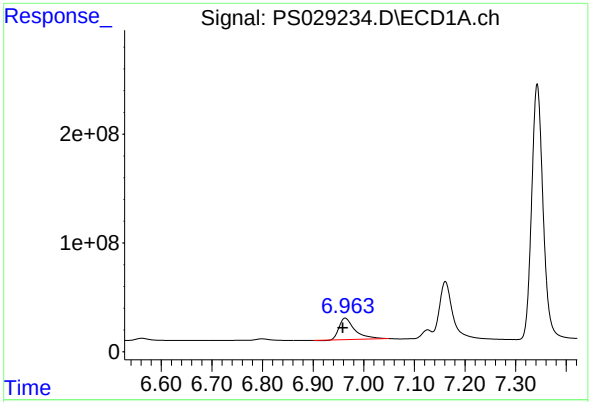
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.343 min
Delta R.T.: 0.001 min
Response: 1251982694
Conc: 220.48 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

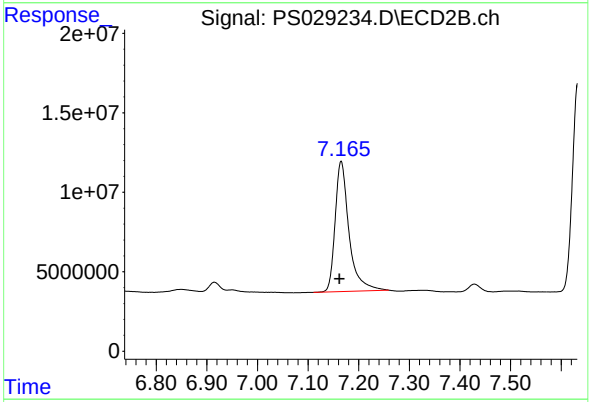
R.T.: 6.605 min
Delta R.T.: 0.001 min
Response: 283333012
Conc: 204.40 ng/ml



#3 4-Nitrophenol

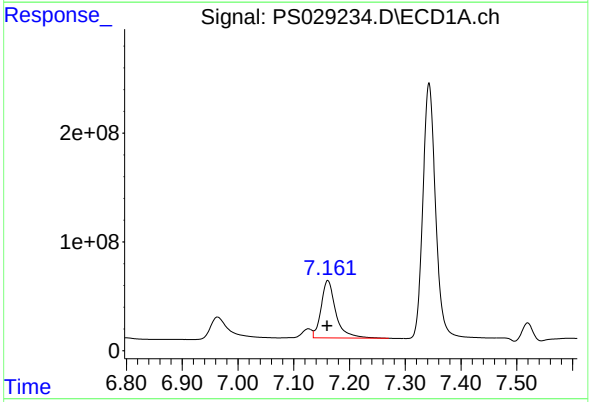
R.T.: 6.963 min
Delta R.T.: 0.005 min
Response: 432821873
Conc: 186.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



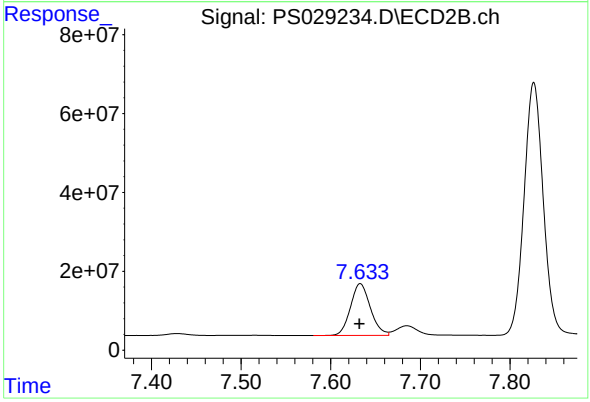
#3 4-Nitrophenol

R.T.: 7.165 min
Delta R.T.: 0.003 min
Response: 156332495
Conc: 200.82 ng/ml



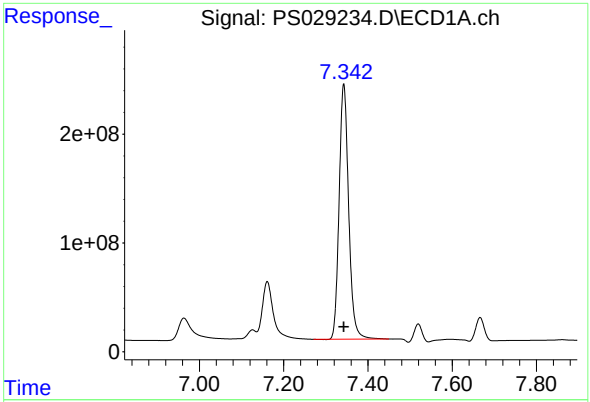
#4 2,4-DCAA

R.T.: 7.161 min
Delta R.T.: 0.001 min
Response: 966900606
Conc: 244.58 ng/ml



#4 2,4-DCAA

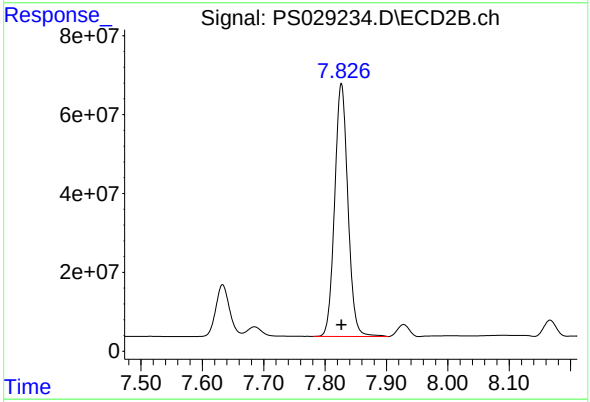
R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 202955943
Conc: 221.10 ng/ml



#5 DICAMBA

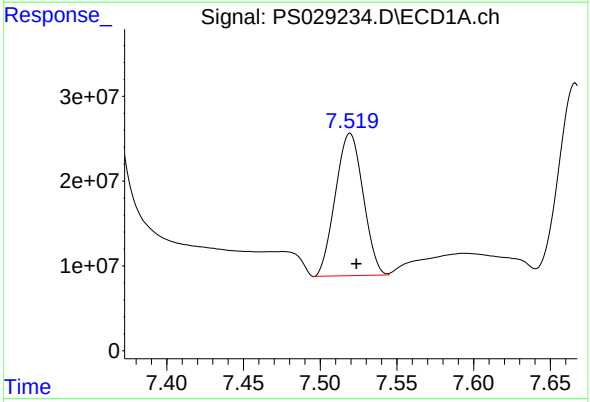
R.T.: 7.343 min
Delta R.T.: 0.000 min
Response: 3685113499
Conc: 217.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



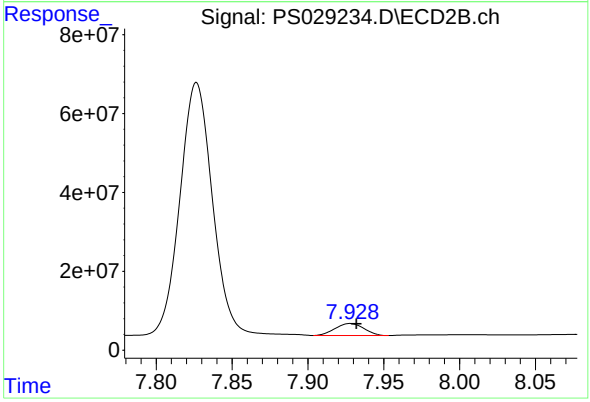
#5 DICAMBA

R.T.: 7.827 min
Delta R.T.: 0.000 min
Response: 960658649
Conc: 187.45 ng/ml



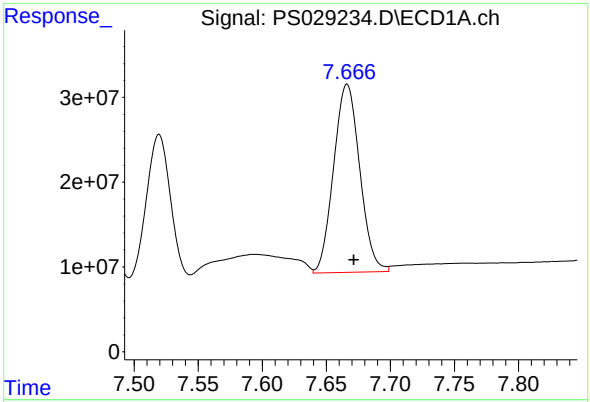
#6 MCPP

R.T.: 7.519 min
Delta R.T.: -0.004 min
Response: 211814037
Conc: 17.09 ug/ml



#6 MCPP

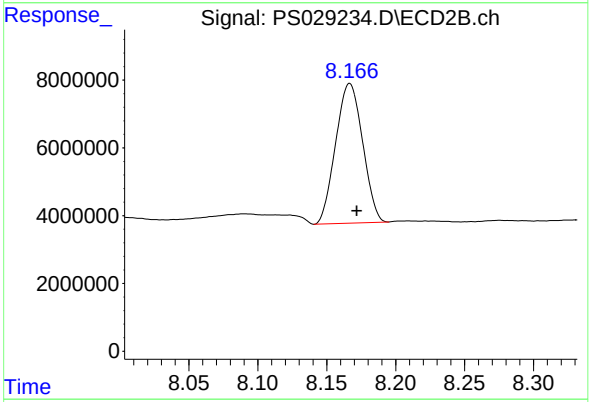
R.T.: 7.928 min
Delta R.T.: -0.004 min
Response: 40449994
Conc: 17.19 ug/ml



#7 MCPA

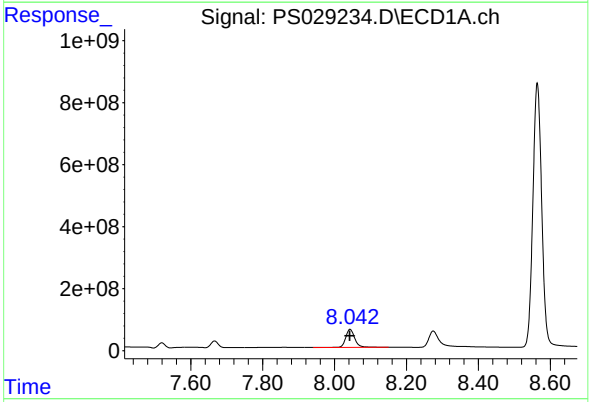
R.T.: 7.666 min
Delta R.T.: -0.005 min
Response: 314812745
Conc: 18.74 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



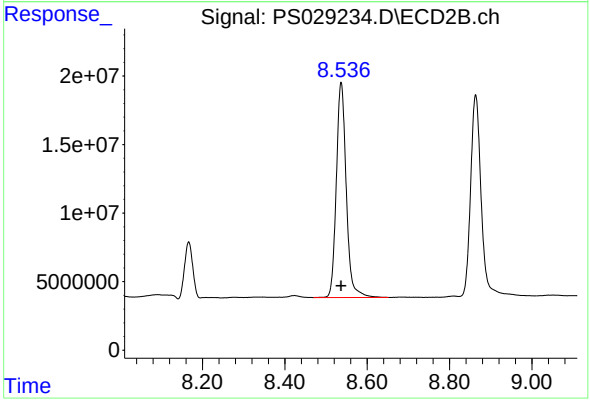
#7 MCPA

R.T.: 8.167 min
Delta R.T.: -0.005 min
Response: 56152825
Conc: 17.63 ug/ml



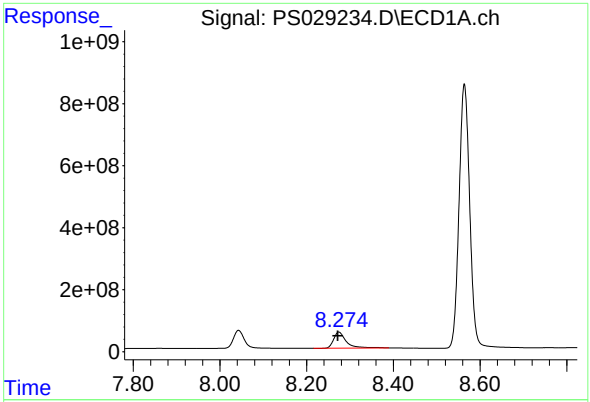
#8 DICHLORPROP

R.T.: 8.043 min
Delta R.T.: 0.001 min
Response: 1036594665
Conc: 236.42 ng/ml



#8 DICHLORPROP

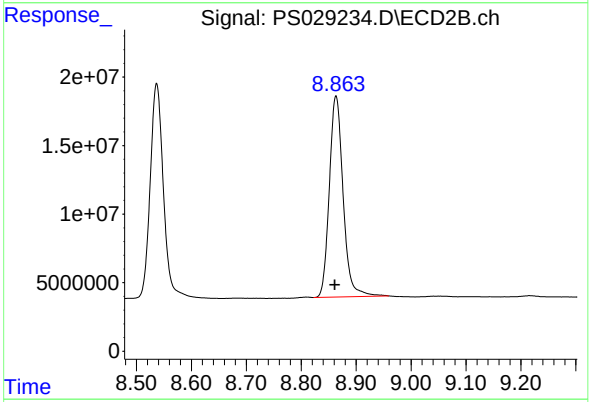
R.T.: 8.537 min
Delta R.T.: 0.000 min
Response: 262899243
Conc: 211.14 ng/ml



#9 2,4-D

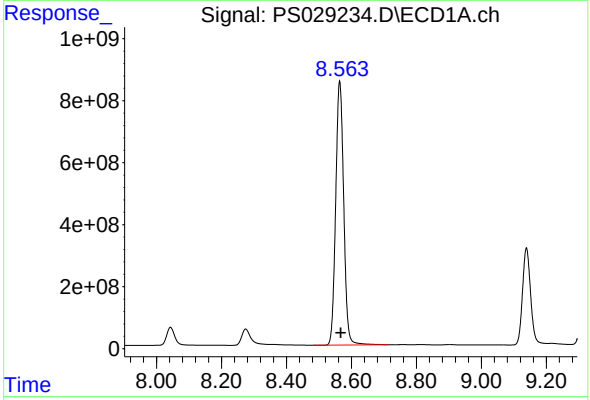
R.T.: 8.274 min
Delta R.T.: 0.003 min
Response: 1048844922
Conc: 229.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



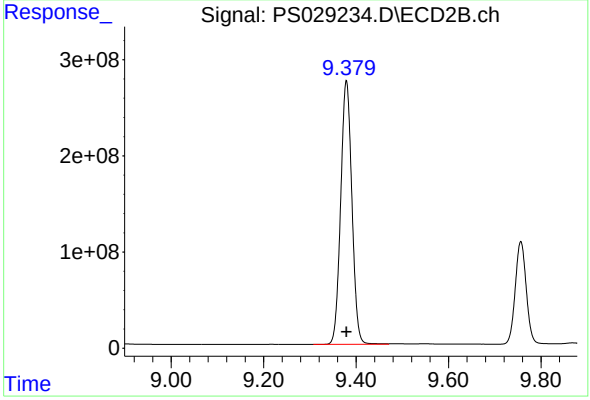
#9 2,4-D

R.T.: 8.863 min
Delta R.T.: 0.002 min
Response: 256243065
Conc: 206.65 ng/ml



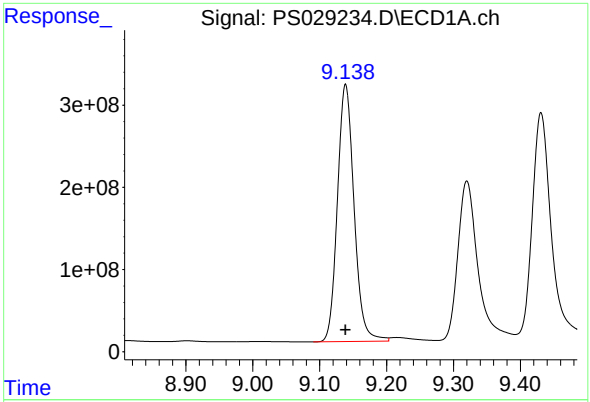
#10 Pentachlorophenol

R.T.: 8.564 min
Delta R.T.: -0.003 min
Response: 14573644324
Conc: 245.61 ng/ml



#10 Pentachlorophenol

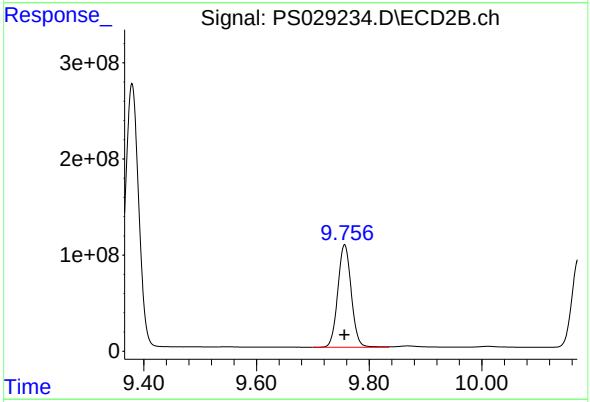
R.T.: 9.379 min
Delta R.T.: 0.000 min
Response: 4615906188
Conc: 201.20 ng/ml



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

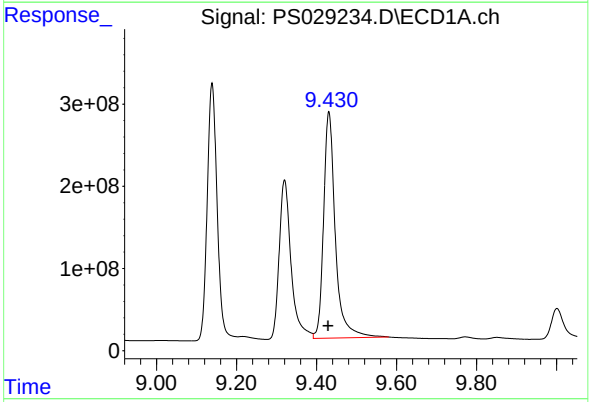
R.T.: 9.139 min
Delta R.T.: 0.000 min
Response: 5409038369
Conc: 225.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



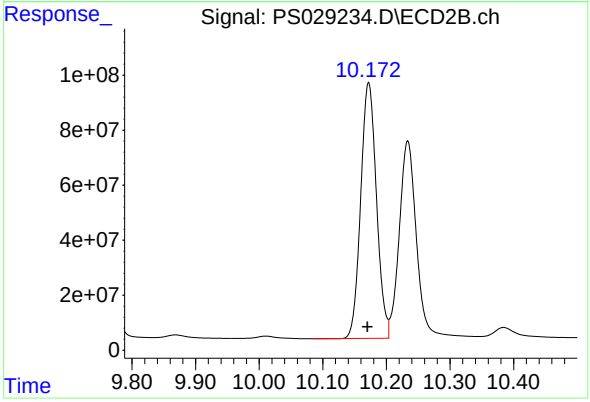
#11 2,4,5-TP (SILVEX)

R.T.: 9.756 min
Delta R.T.: 0.000 min
Response: 1766573335
Conc: 196.37 ng/ml



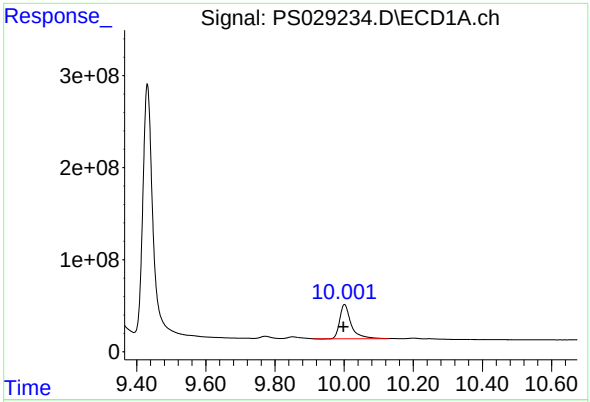
#12 2,4,5-T

R.T.: 9.431 min
Delta R.T.: 0.002 min
Response: 5625357213
Conc: 226.28 ng/ml



#12 2,4,5-T

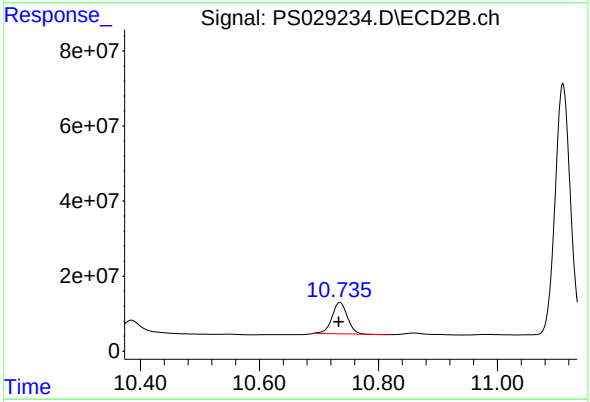
R.T.: 10.172 min
Delta R.T.: 0.002 min
Response: 1601554240
Conc: 196.19 ng/ml



#13 2,4-DB

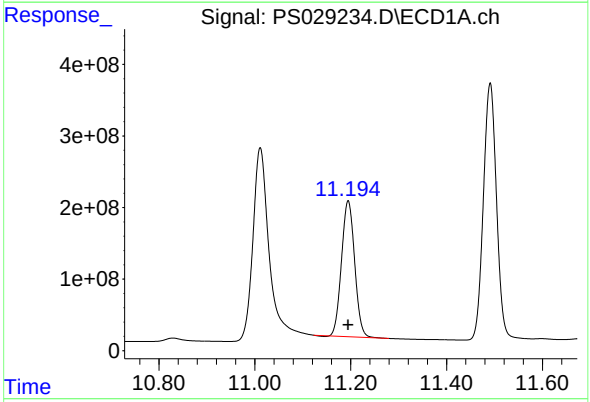
R.T.: 10.001 min
Delta R.T.: 0.003 min
Response: 852856384
Conc: 208.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



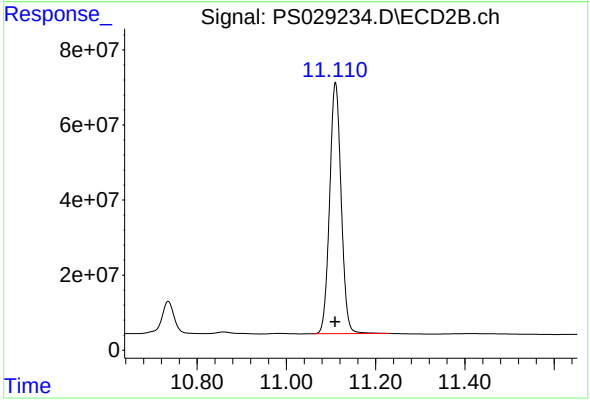
#13 2,4-DB

R.T.: 10.735 min
Delta R.T.: 0.001 min
Response: 150672109
Conc: 200.94 ng/ml



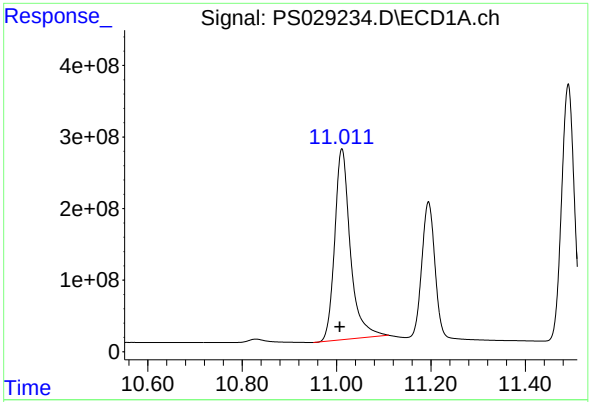
#14 DINOSEB

R.T.: 11.195 min
Delta R.T.: 0.000 min
Response: 3606901847
Conc: 223.33 ng/ml



#14 DINOSEB

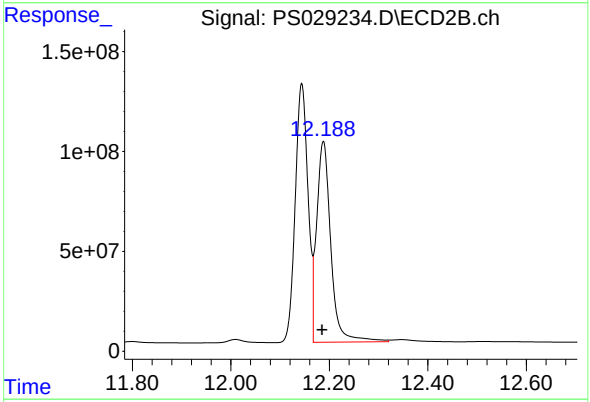
R.T.: 11.110 min
Delta R.T.: 0.000 min
Response: 1198552448
Conc: 201.13 ng/ml



#15 Picloram

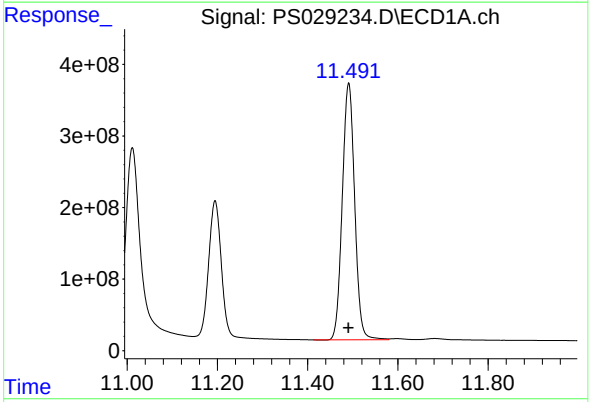
R.T.: 11.011 min
Delta R.T.: 0.005 min
Response: 6139032848
Conc: 202.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



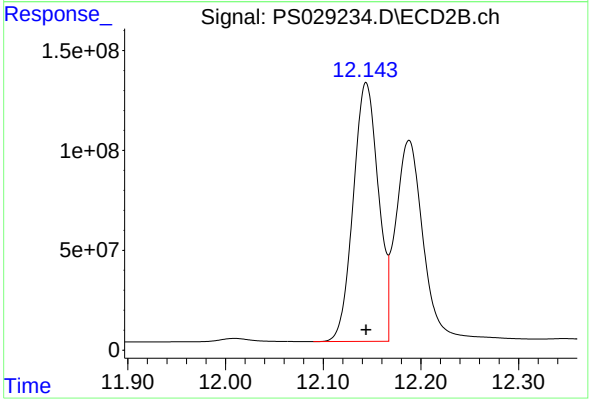
#15 Picloram

R.T.: 12.188 min
Delta R.T.: 0.003 min
Response: 2015527451
Conc: 171.70 ng/ml



#16 DCPA

R.T.: 11.491 min
Delta R.T.: 0.000 min
Response: 6822921971
Conc: 233.59 ng/ml



#16 DCPA

R.T.: 12.144 min
Delta R.T.: 0.000 min
Response: 2326789068
Conc: 196.62 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 20:20
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 00:46:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.159	7.632	2087.7E6	467.4E6	528.092	509.143
		Target Compounds						
1)	T	Dalapon	2.600	2.647	2511.9E6	954.7E6	470.830	464.533
2)	T	3,5-DICHL...	6.341	6.604	2763.0E6	657.1E6	486.564	474.062
3)	T	4-Nitroph...	6.959	7.162	1060.1E6	360.9E6	456.796	463.544
5)	T	DICAMBA	7.342	7.826	8312.3E6	2386.5E6	490.391	465.655
6)	T	MCPP	7.521	7.930	561.5E6	108.2E6	45.295	45.999
7)	T	MCPA	7.669	8.169	771.2E6	147.5E6	45.913	46.301
8)	T	DICHLORPROP	8.042	8.536	2175.3E6	597.3E6	496.110	479.719
9)	T	2,4-D	8.272	8.862	2253.5E6	590.8E6	492.428	476.467
10)	T	Pentachlo...	8.564	9.378	31867.7E6	11155.7E6	537.064	486.268
11)	T	2,4,5-TP ...	9.138	9.756	12029.9E6	4309.5E6	502.291	479.049
12)	T	2,4,5-T	9.429	10.171	12477.7E6	3902.8E6	501.914	478.101
13)	T	2,4-DB	9.999	10.734	1985.6E6	358.2E6	485.225	477.677
14)	T	DINOSEB	11.194	11.109	8007.8E6	2843.2E6	495.817	477.108
15)	T	Picloram	11.007	12.186	14681.6E6	5312.2E6	483.886	452.539
16)	T	DCPA	11.489	12.143	14931.6E6	5704.8E6	511.208	482.083

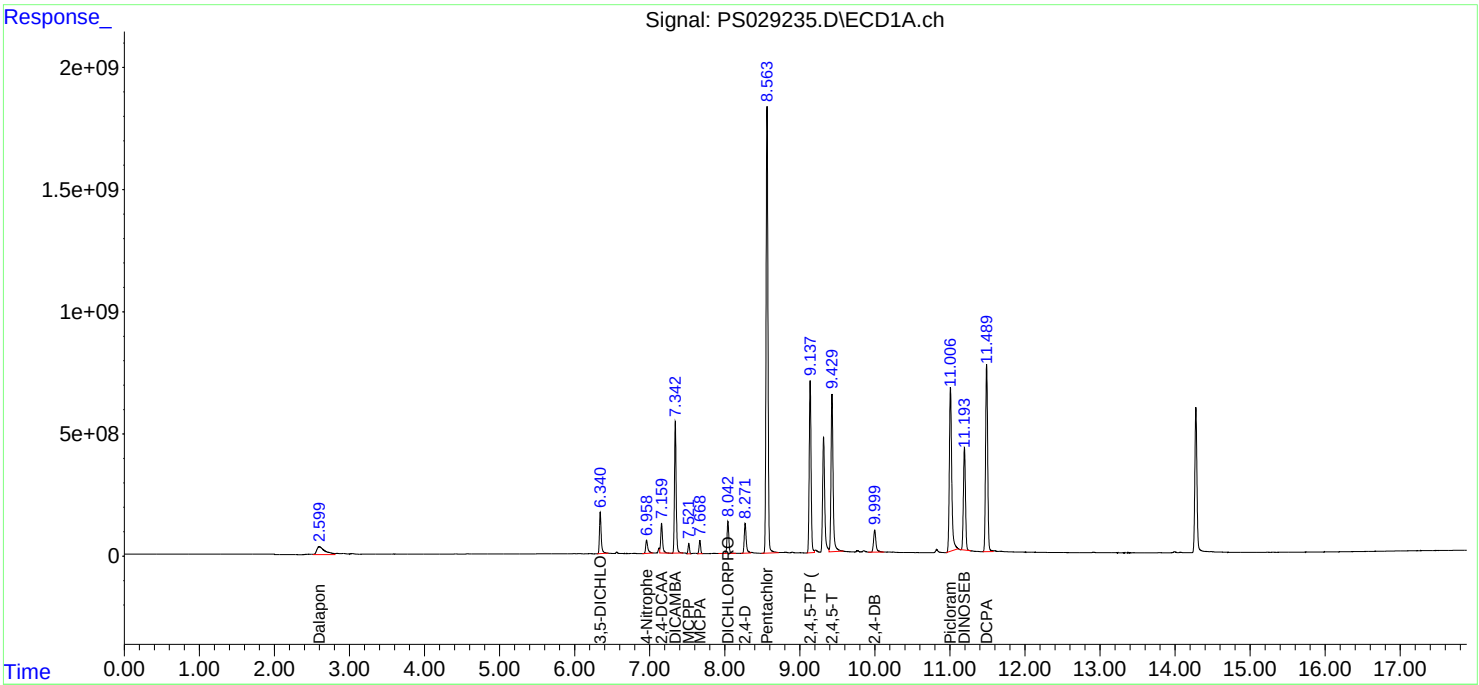
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

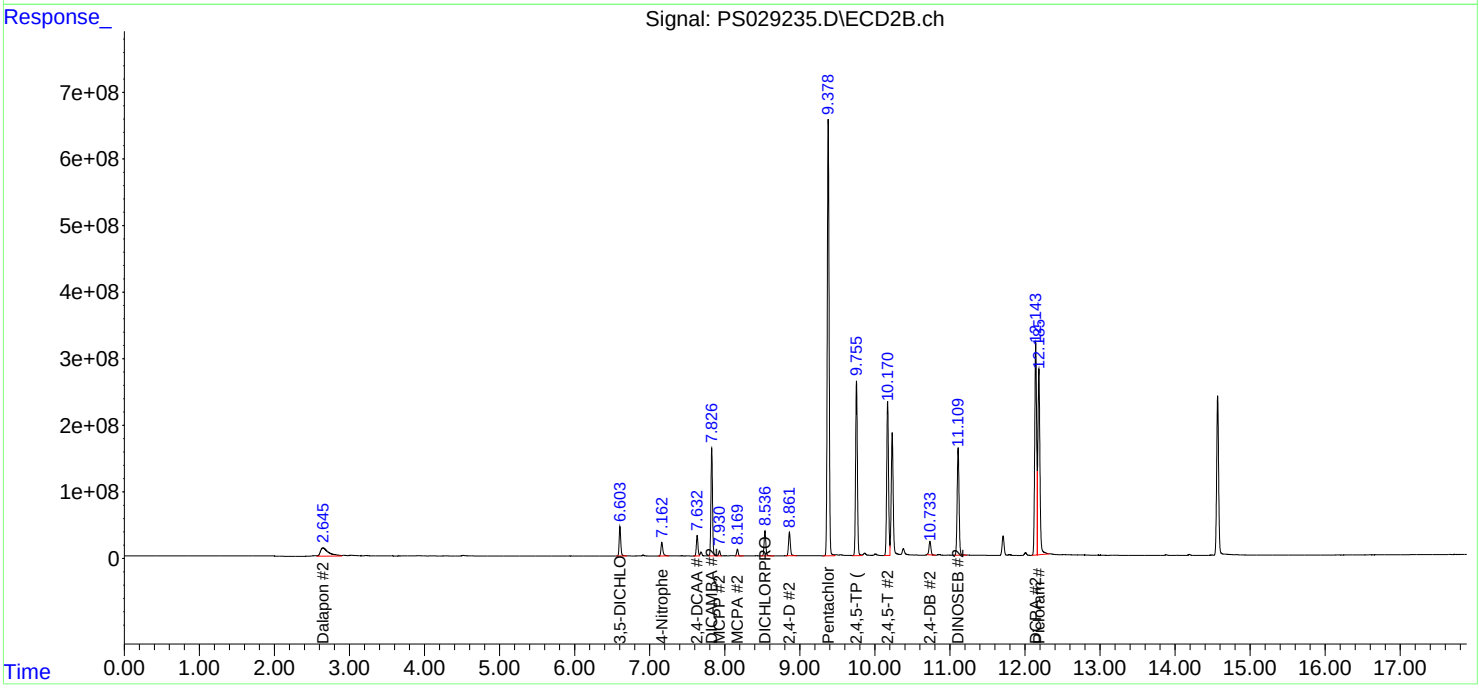
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 20:20
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

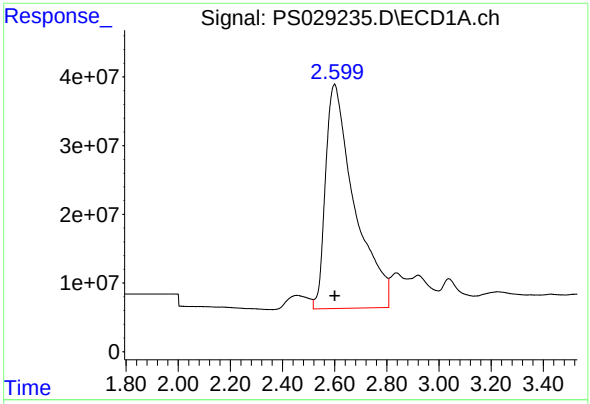
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 00:46:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



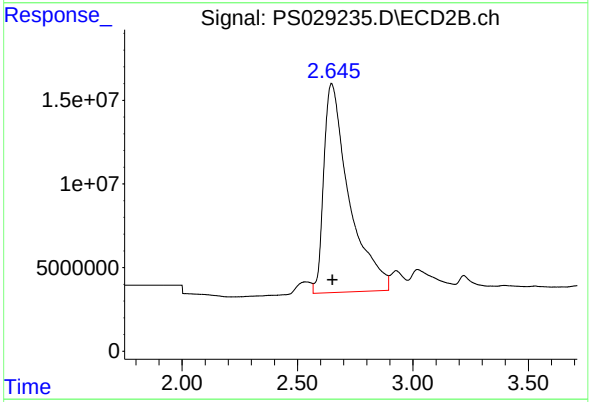




#1 Dalapon

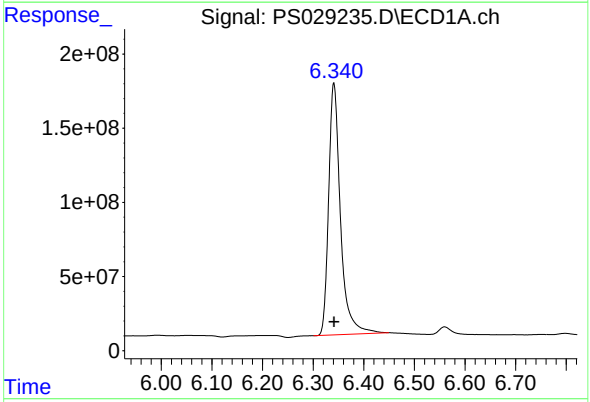
R.T.: 2.600 min
Delta R.T.: 0.000 min
Response: 2511866588
Conc: 470.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



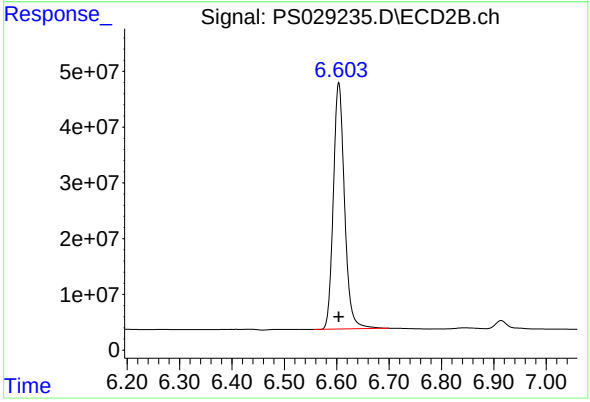
#1 Dalapon

R.T.: 2.647 min
Delta R.T.: -0.004 min
Response: 954749697
Conc: 464.53 ng/ml



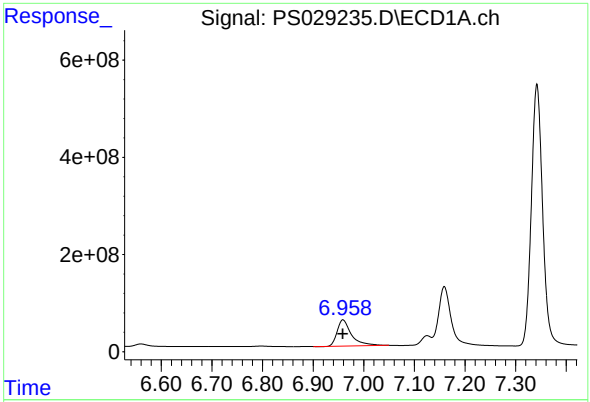
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 2762985989
Conc: 486.56 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

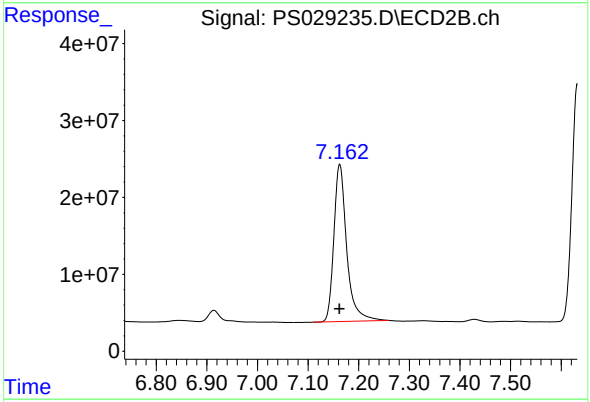
R.T.: 6.604 min
Delta R.T.: 0.000 min
Response: 657140756
Conc: 474.06 ng/ml



#3 4-Nitrophenol

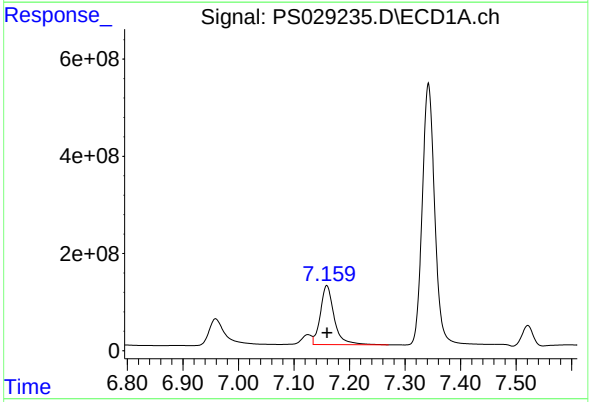
R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 1060081366
Conc: 456.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



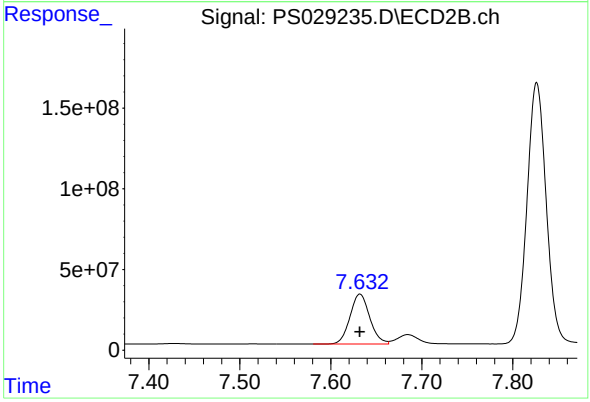
#3 4-Nitrophenol

R.T.: 7.162 min
Delta R.T.: 0.000 min
Response: 360850578
Conc: 463.54 ng/ml



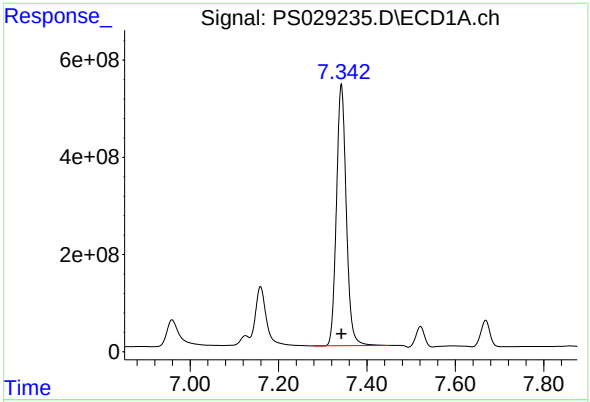
#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 2087670625
Conc: 528.09 ng/ml



#4 2,4-DCAA

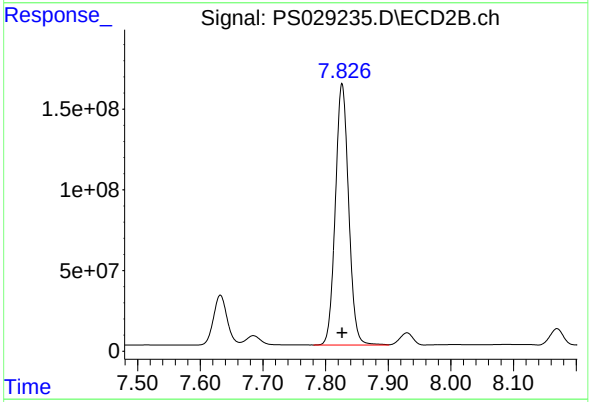
R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 467364139
Conc: 509.14 ng/ml



#5 DICAMBA

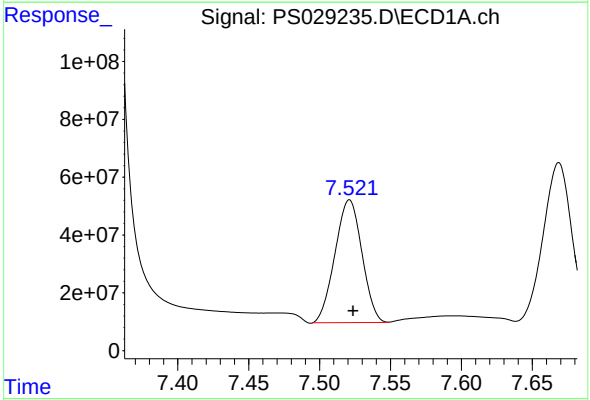
R.T.: 7.342 min
Delta R.T.: 0.000 min
Response: 8312333751
Conc: 490.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



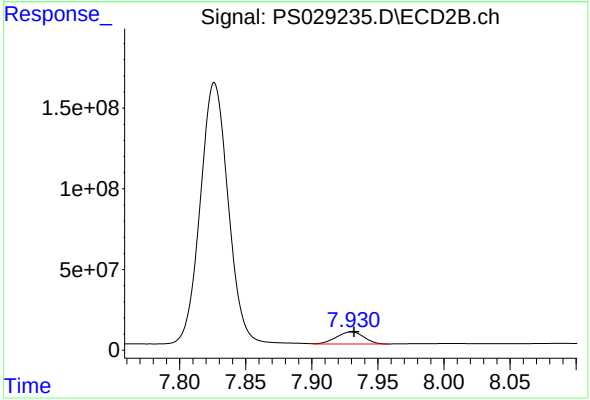
#5 DICAMBA

R.T.: 7.826 min
Delta R.T.: 0.000 min
Response: 2386474119
Conc: 465.66 ng/ml



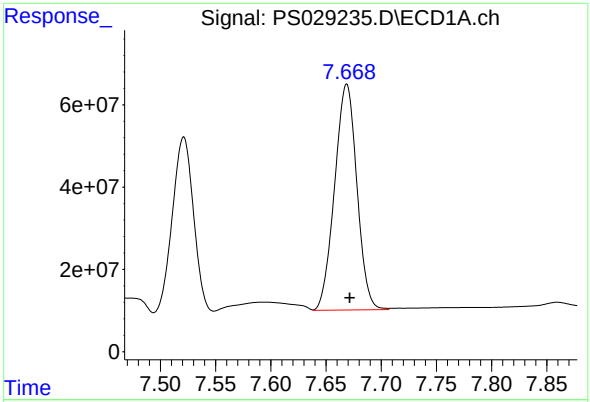
#6 MCPP

R.T.: 7.521 min
Delta R.T.: -0.002 min
Response: 561484942
Conc: 45.29 ug/ml



#6 MCPP

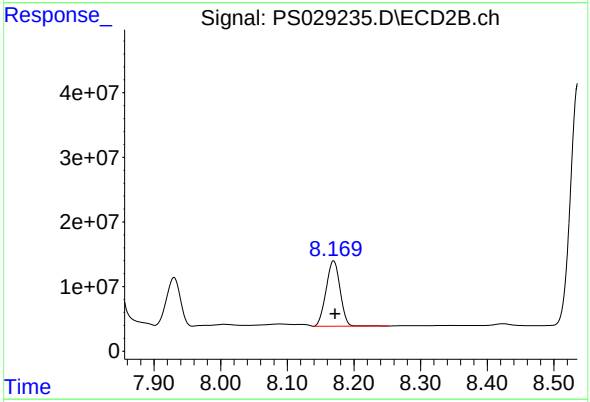
R.T.: 7.930 min
Delta R.T.: -0.002 min
Response: 108219654
Conc: 46.00 ug/ml



#7 MCPA

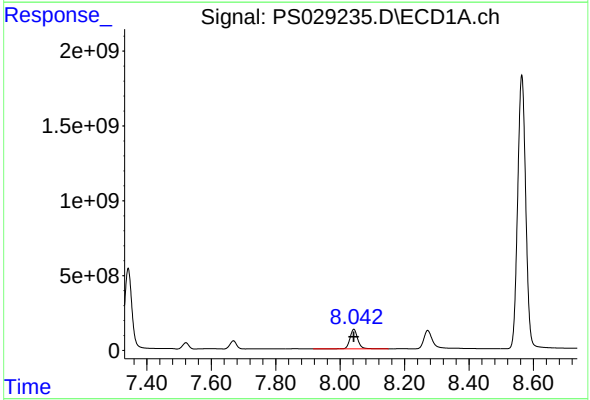
R.T.: 7.669 min
Delta R.T.: -0.003 min
Response: 771153325
Conc: 45.91 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



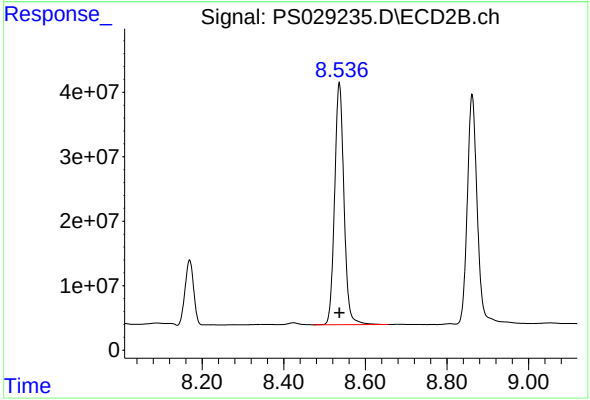
#7 MCPA

R.T.: 8.169 min
Delta R.T.: -0.002 min
Response: 147495437
Conc: 46.30 ug/ml



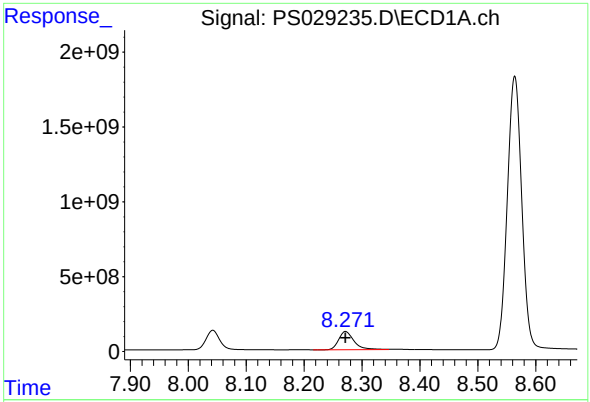
#8 DICHLORPROP

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 2175259216
Conc: 496.11 ng/ml



#8 DICHLORPROP

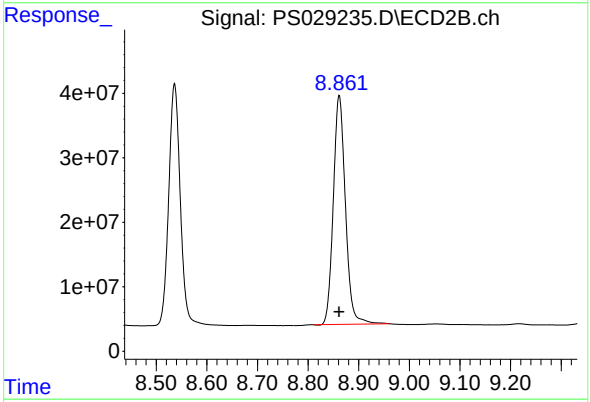
R.T.: 8.536 min
Delta R.T.: 0.000 min
Response: 597316012
Conc: 479.72 ng/ml



#9 2,4-D

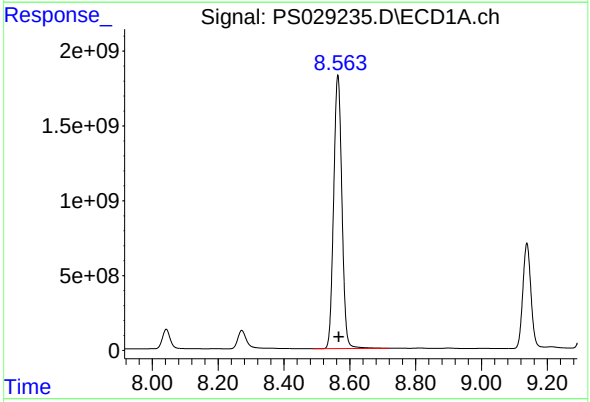
R.T.: 8.272 min
Delta R.T.: 0.000 min
Response: 2253497593
Conc: 492.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



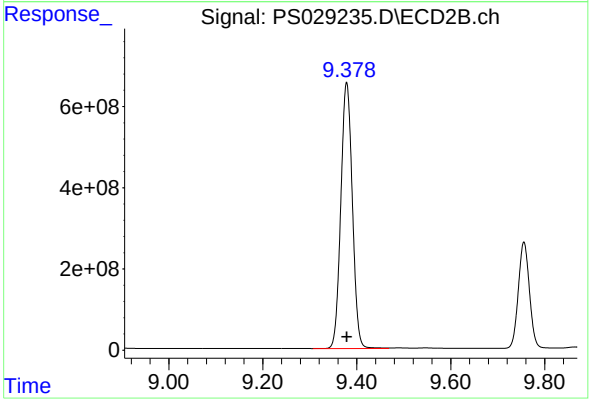
#9 2,4-D

R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 590800410
Conc: 476.47 ng/ml



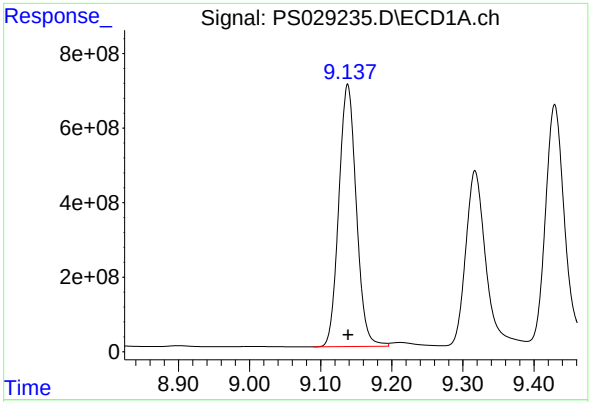
#10 Pentachlorophenol

R.T.: 8.564 min
Delta R.T.: -0.003 min
Response: 31867668673
Conc: 537.06 ng/ml



#10 Pentachlorophenol

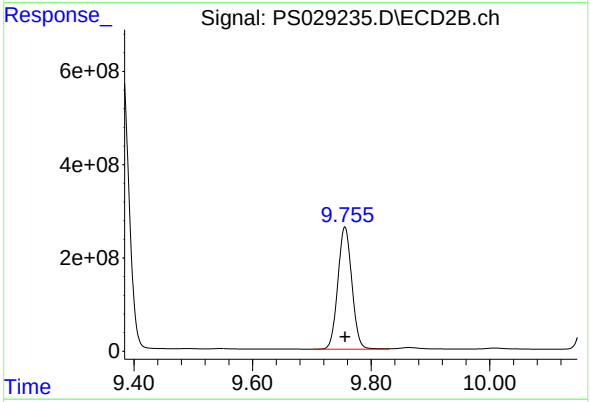
R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 11155665141
Conc: 486.27 ng/ml



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

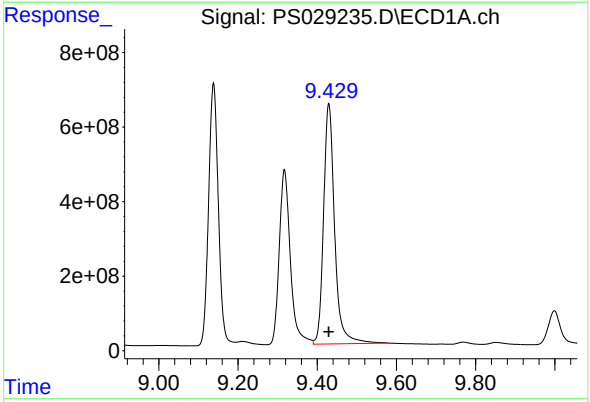
R.T.: 9.138 min
Delta R.T.: 0.000 min
Response: 12029867304
Conc: 502.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



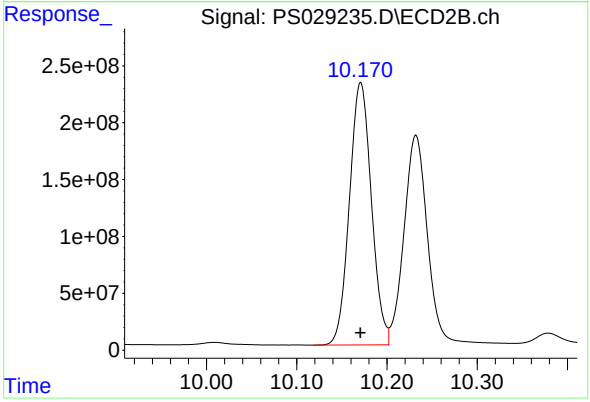
#11 2,4,5-TP (SILVEX)

R.T.: 9.756 min
Delta R.T.: 0.000 min
Response: 4309546815
Conc: 479.05 ng/ml



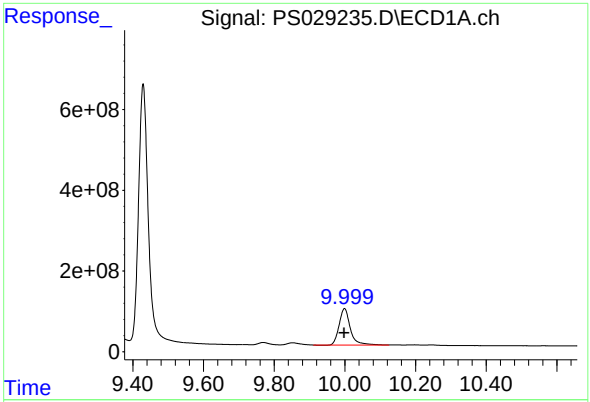
#12 2,4,5-T

R.T.: 9.429 min
Delta R.T.: 0.000 min
Response: 12477730869
Conc: 501.91 ng/ml



#12 2,4,5-T

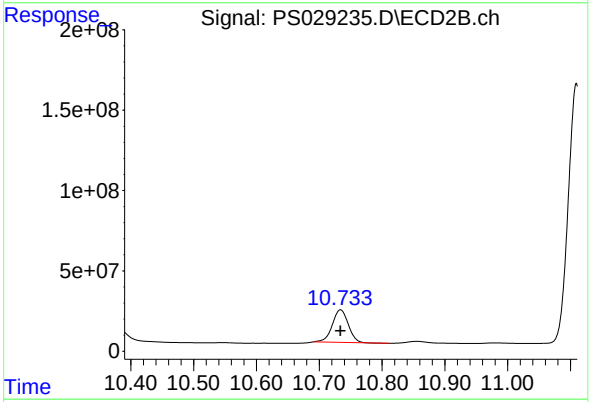
R.T.: 10.171 min
Delta R.T.: 0.000 min
Response: 3902820050
Conc: 478.10 ng/ml



#13 2,4-DB

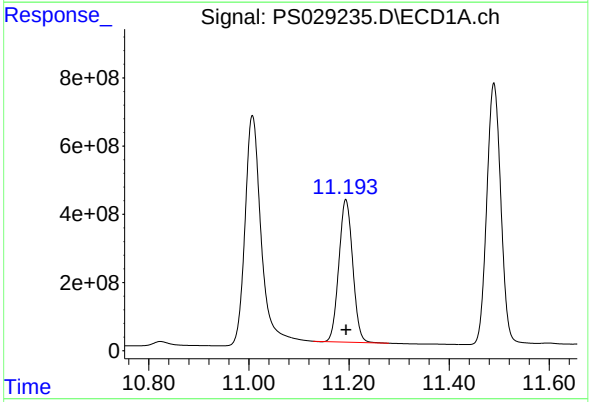
R.T.: 9.999 min
Delta R.T.: 0.000 min
Response: 1985577118
Conc: 485.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



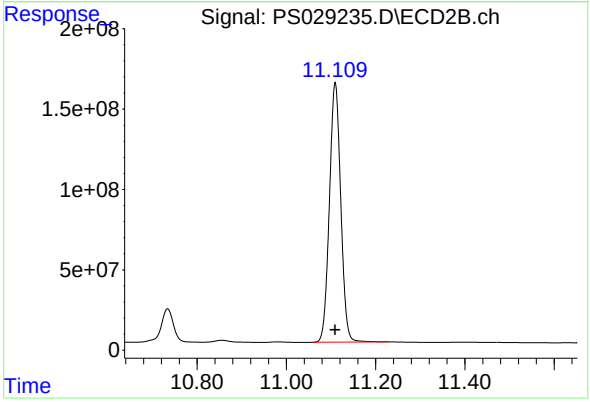
#13 2,4-DB

R.T.: 10.734 min
Delta R.T.: 0.000 min
Response: 358174611
Conc: 477.68 ng/ml



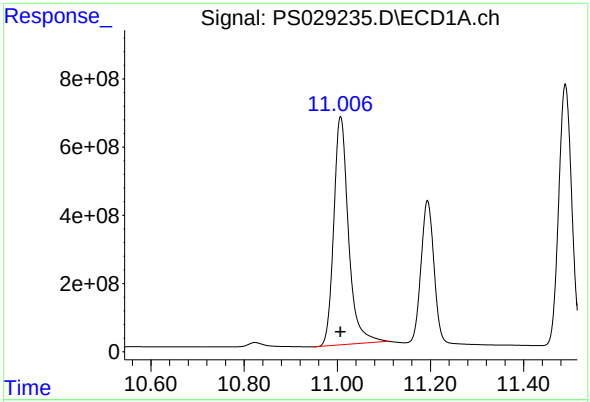
#14 DINOSEB

R.T.: 11.194 min
Delta R.T.: 0.000 min
Response: 8007840007
Conc: 495.82 ng/ml



#14 DINOSEB

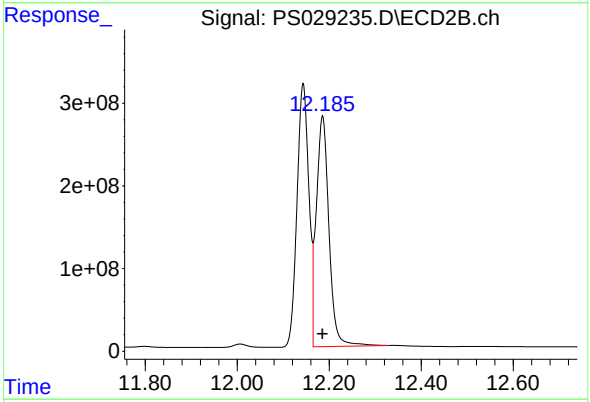
R.T.: 11.109 min
Delta R.T.: 0.000 min
Response: 2843163689
Conc: 477.11 ng/ml



#15 Picloram

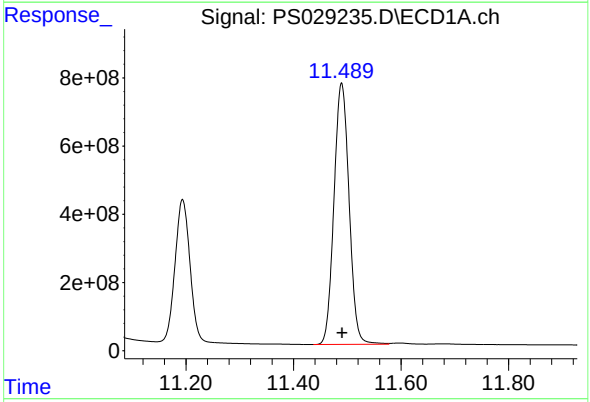
R.T.: 11.007 min
Delta R.T.: 0.000 min
Response: 14681568645
Conc: 483.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



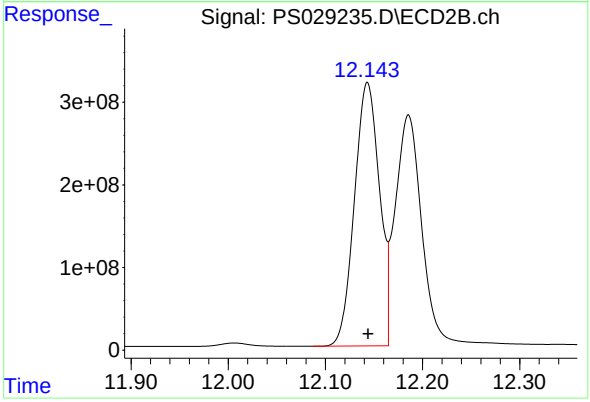
#15 Picloram

R.T.: 12.186 min
Delta R.T.: 0.000 min
Response: 5312220517
Conc: 452.54 ng/ml



#16 DCPA

R.T.: 11.489 min
Delta R.T.: 0.000 min
Response: 14931643930
Conc: 511.21 ng/ml



#16 DCPA

R.T.: 12.143 min
Delta R.T.: 0.000 min
Response: 5704810376
Conc: 482.08 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 20:44
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 00:47:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.160	7.632	2964.9E6	688.5E6	750.000	750.000
	Target Compounds						
1) T	Dalapon	2.600	2.651	3641.1E6	1402.7E6	682.500	682.500
2) T	3,5-DICHL...	6.341	6.604	3960.8E6	966.9E6	697.500	697.500
3) T	4-Nitroph...	6.959	7.162	1583.9E6	531.3E6	682.500	682.500
5) T	DICAMBA	7.343	7.826	11950.0E6	3613.1E6	705.000	705.000
6) T	MCPP	7.524	7.932	873.9E6	165.9E6	70.500	70.500
7) T	MCPA	7.671	8.172	1171.5E6	222.2E6	69.750	69.750
8) T	DICHLORPROP	8.042	8.536	3091.2E6	877.8E6	705.000	705.000
9) T	2,4-D	8.271	8.861	3226.3E6	874.2E6	705.000	705.000
10) T	Pentachlo...	8.567	9.379	42277.5E6	16345.7E6	712.500	712.500
11) T	2,4,5-TP ...	9.138	9.756	17064.4E6	6409.7E6	712.500	712.500
12) T	2,4,5-T	9.429	10.170	17713.0E6	5816.3E6	712.500	712.500
13) T	2,4-DB	9.998	10.734	2915.6E6	534.3E6	712.500	712.500
14) T	DINOSEB	11.194	11.109	11386.3E6	4201.2E6	705.000	705.000
15) T	Picloram	11.007	12.185	21617.9E6	8363.8E6	712.500	712.500
16) T	DCPA	11.490	12.144	21030.2E6	8520.2E6	720.000	720.000

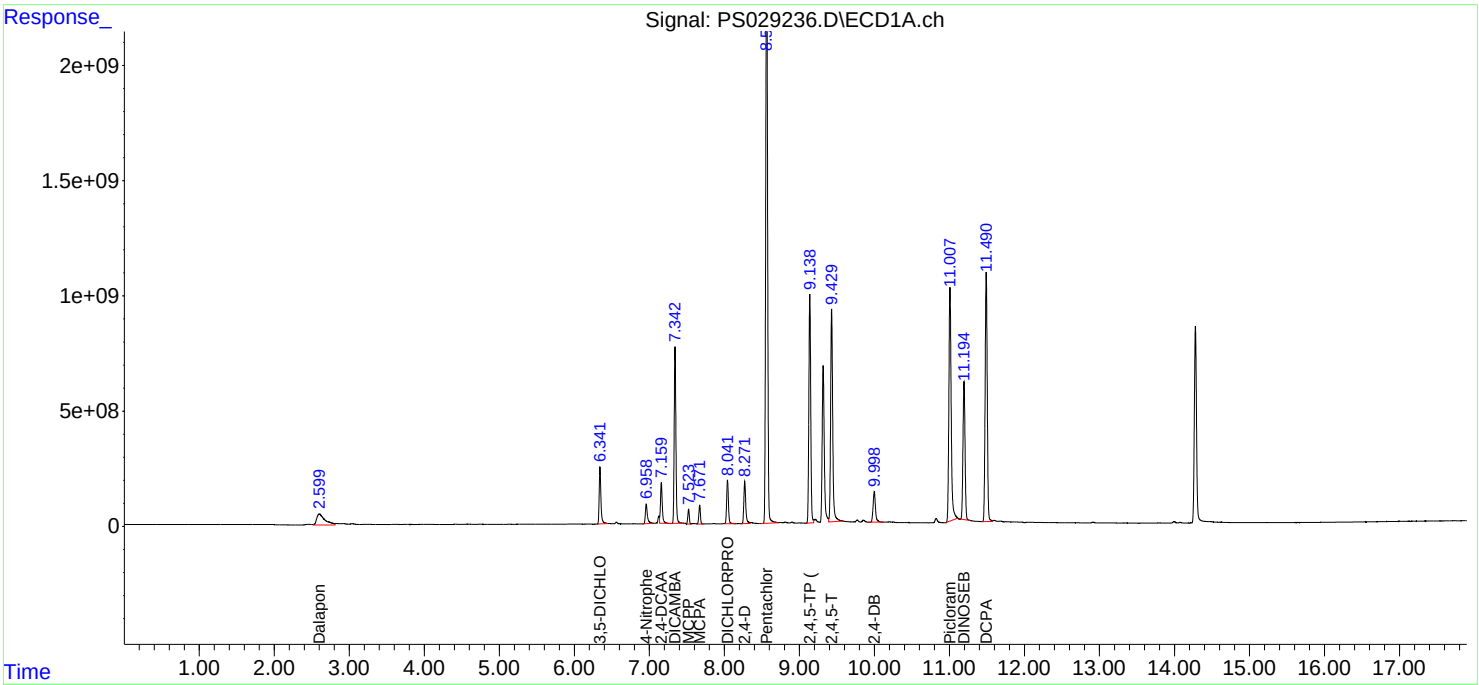
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

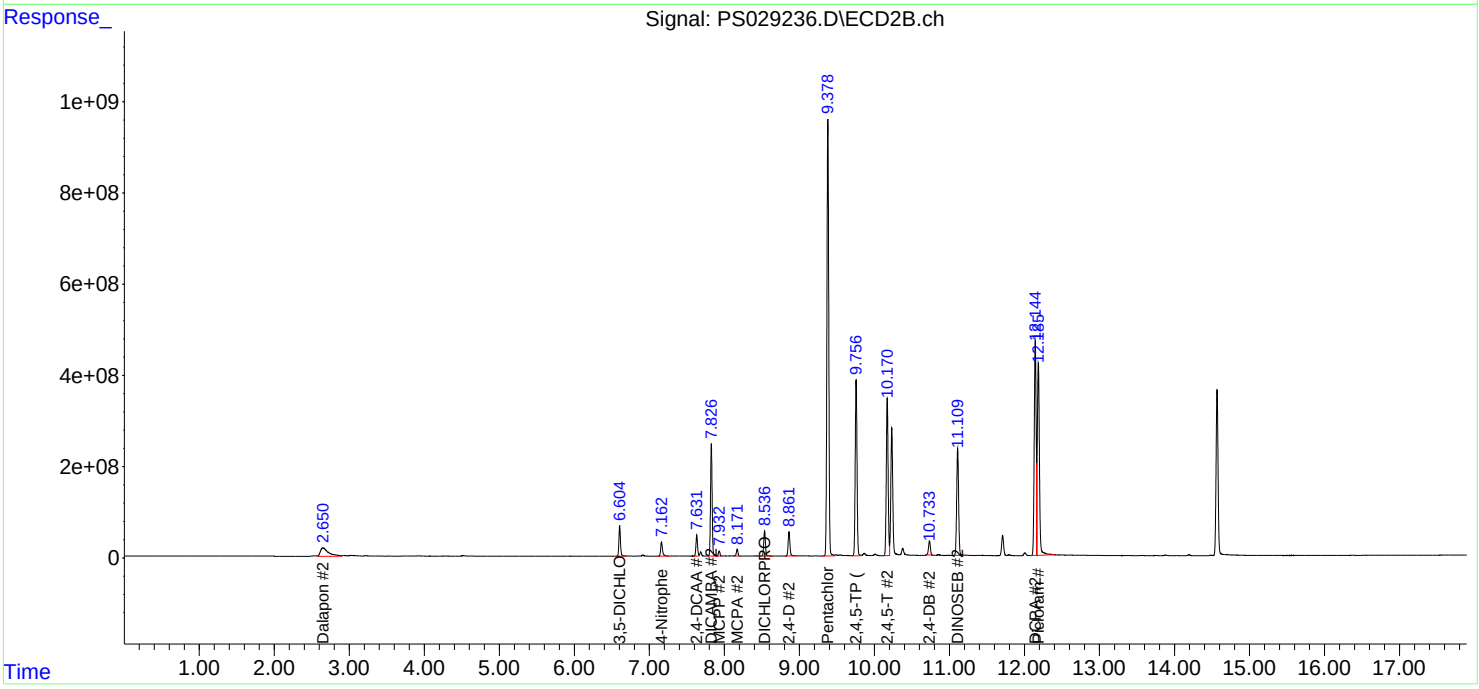
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 20:44
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

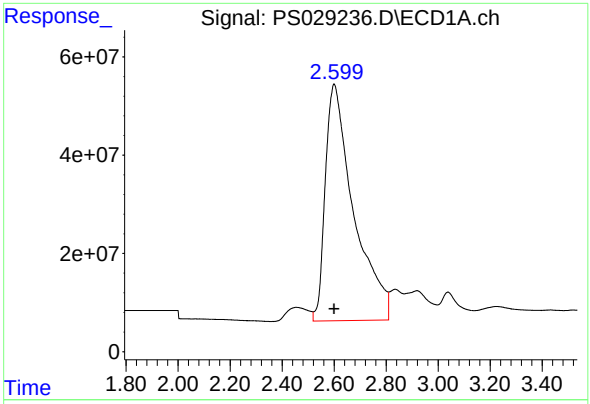
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 00:47:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



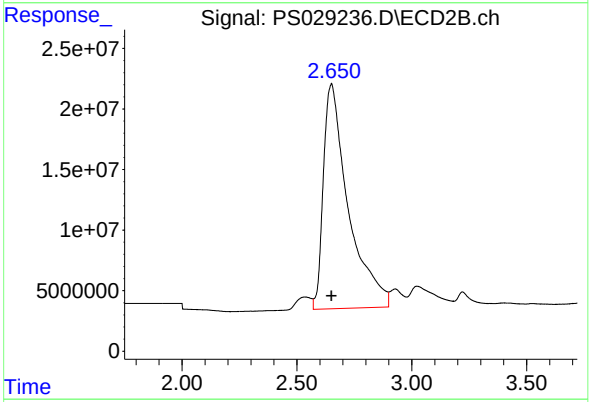




#1 Dalapon

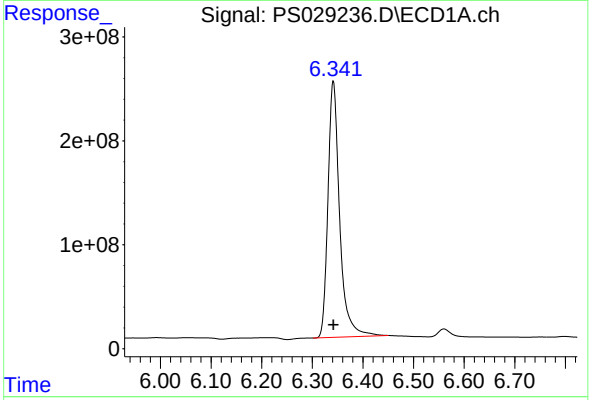
R.T.: 2.600 min
Delta R.T.: 0.000 min
Response: 3641117262
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



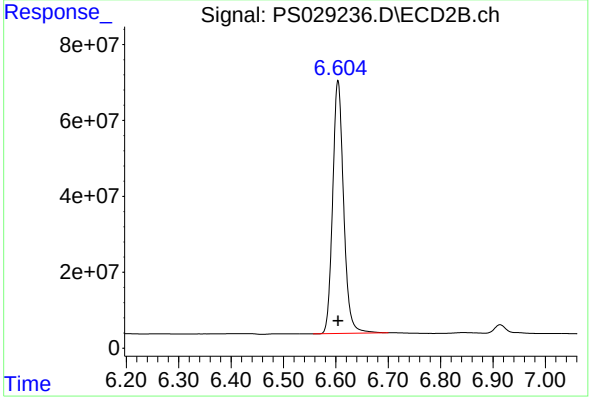
#1 Dalapon

R.T.: 2.651 min
Delta R.T.: 0.000 min
Response: 1402735690
Conc: 682.50 ng/ml



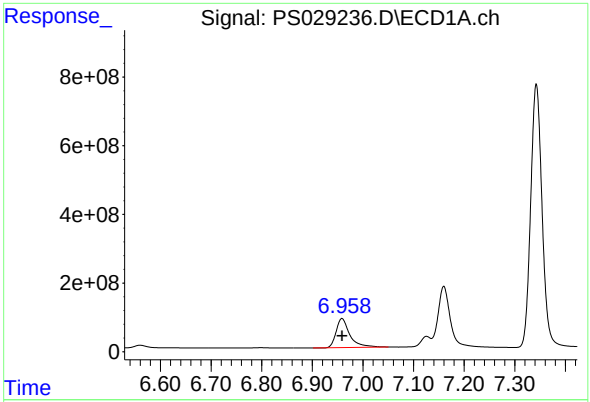
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 3960801041
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

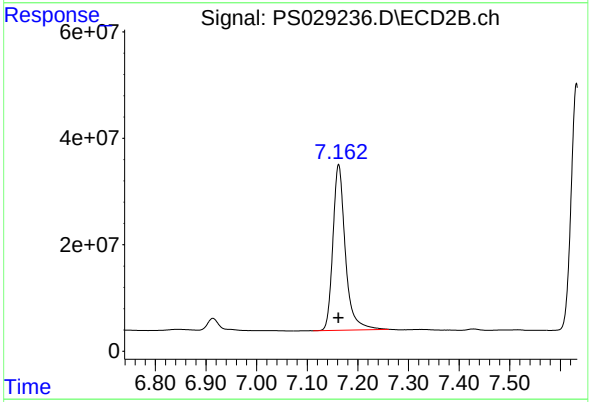
R.T.: 6.604 min
Delta R.T.: 0.000 min
Response: 966868794
Conc: 697.50 ng/ml



#3 4-Nitrophenol

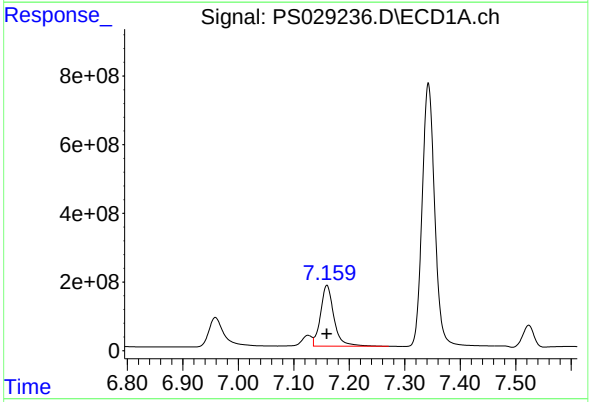
R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 1583871696
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



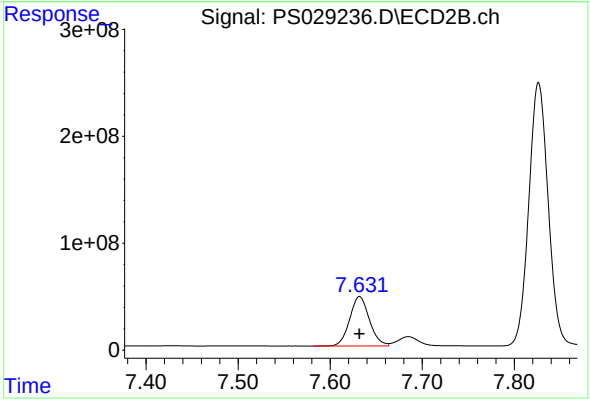
#3 4-Nitrophenol

R.T.: 7.162 min
Delta R.T.: 0.000 min
Response: 531299680
Conc: 682.50 ng/ml



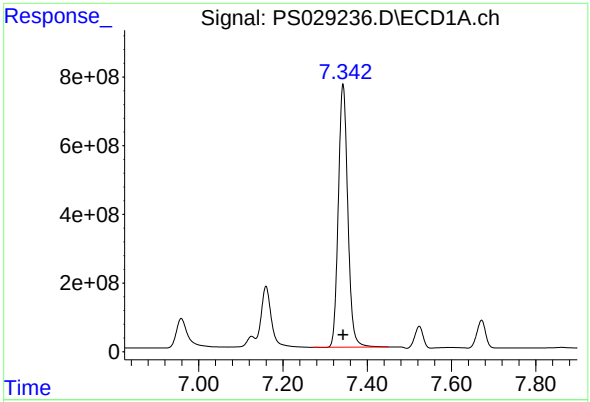
#4 2,4-DCAA

R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 2964926429
Conc: 750.00 ng/ml



#4 2,4-DCAA

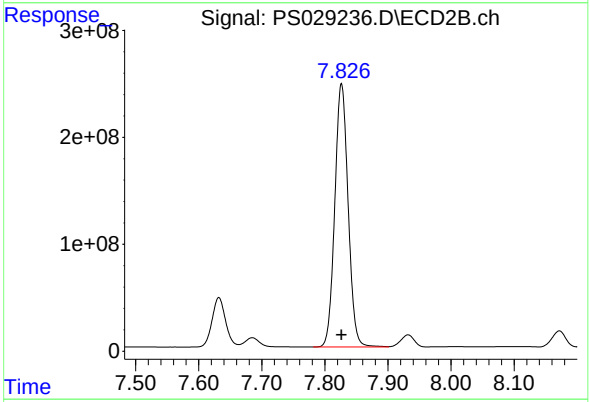
R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 688456770
Conc: 750.00 ng/ml



#5 DICAMBA

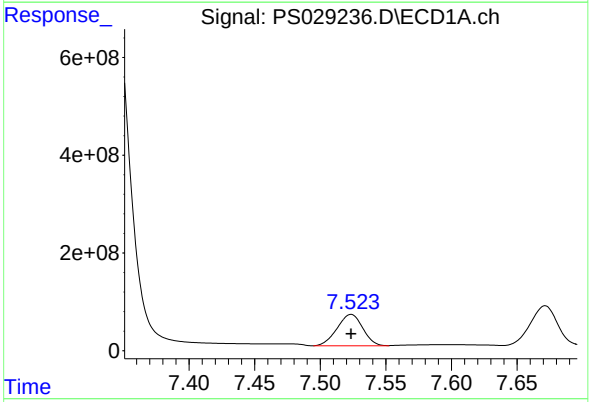
R.T.: 7.343 min
Delta R.T.: 0.000 min
Response: 11950038937
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



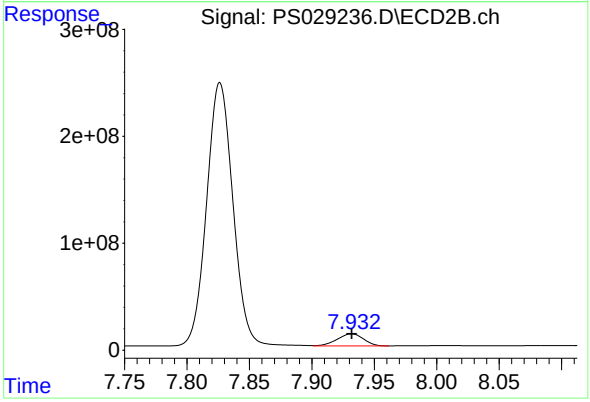
#5 DICAMBA

R.T.: 7.826 min
Delta R.T.: 0.000 min
Response: 3613110016
Conc: 705.00 ng/ml



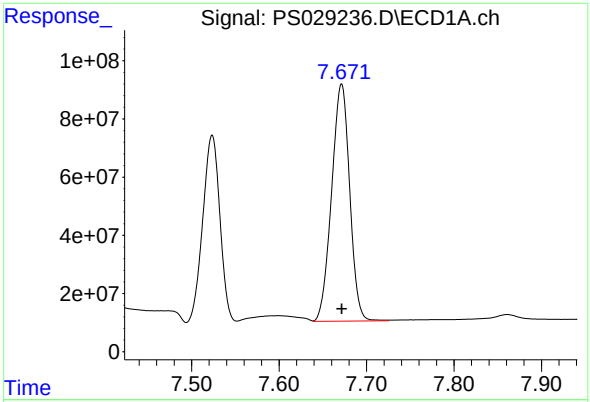
#6 MCPP

R.T.: 7.524 min
Delta R.T.: 0.000 min
Response: 873935341
Conc: 70.50 ug/ml



#6 MCPP

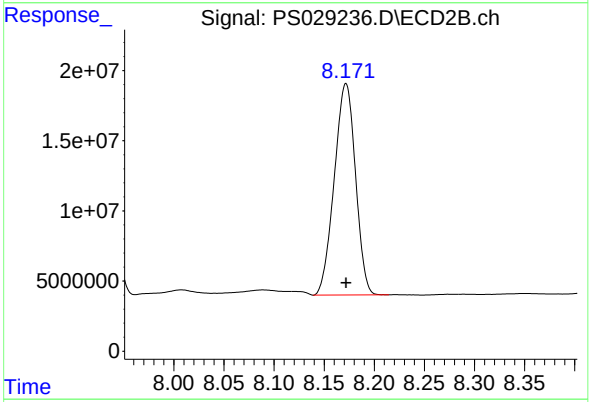
R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 165863639
Conc: 70.50 ug/ml



#7 MCPA

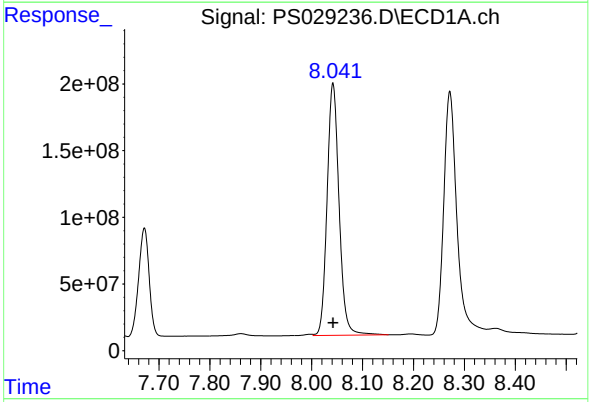
R.T.: 7.671 min
Delta R.T.: 0.000 min
Response: 1171508246
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



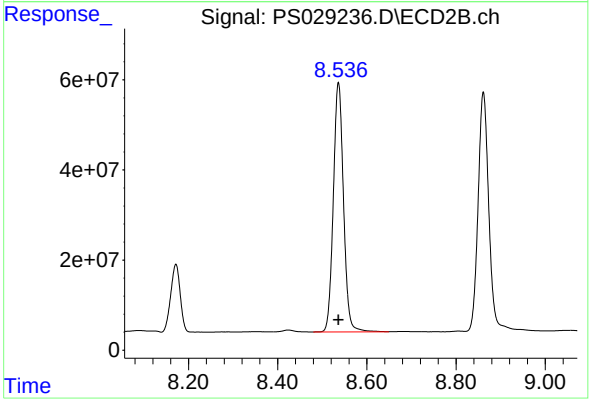
#7 MCPA

R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 222192083
Conc: 69.75 ug/ml



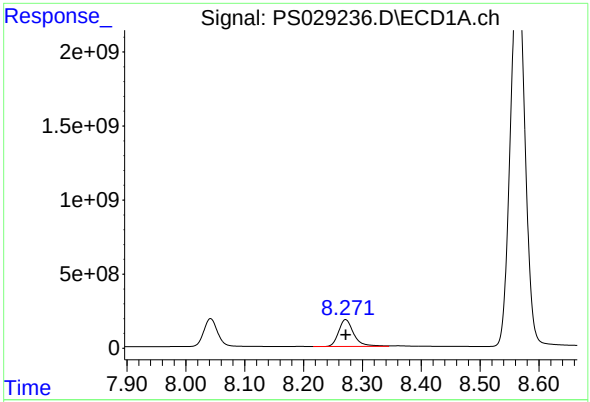
#8 DICHLORPROP

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 3091164412
Conc: 705.00 ng/ml



#8 DICHLORPROP

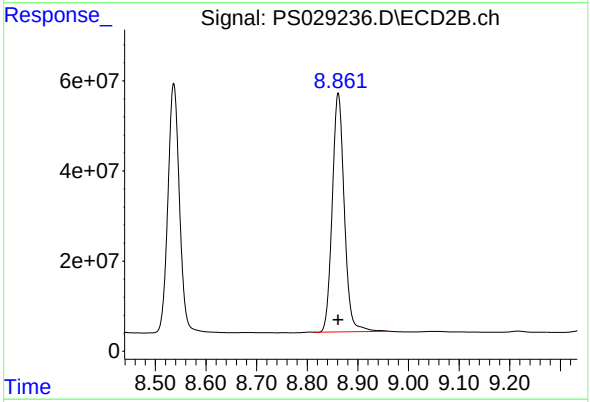
R.T.: 8.536 min
Delta R.T.: 0.000 min
Response: 877822430
Conc: 705.00 ng/ml



#9 2,4-D

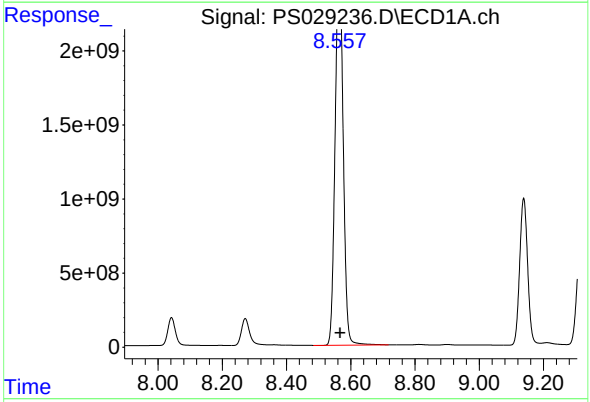
R.T.: 8.271 min
Delta R.T.: 0.000 min
Response: 3226291508
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



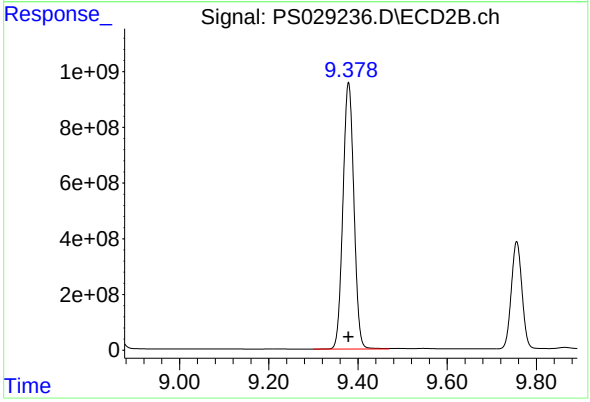
#9 2,4-D

R.T.: 8.861 min
Delta R.T.: 0.000 min
Response: 874172728
Conc: 705.00 ng/ml



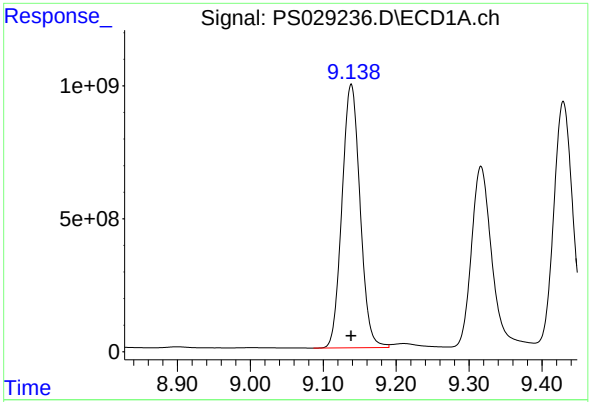
#10 Pentachlorophenol

R.T.: 8.567 min
Delta R.T.: 0.000 min
Response: 42277474725
Conc: 712.50 ng/ml



#10 Pentachlorophenol

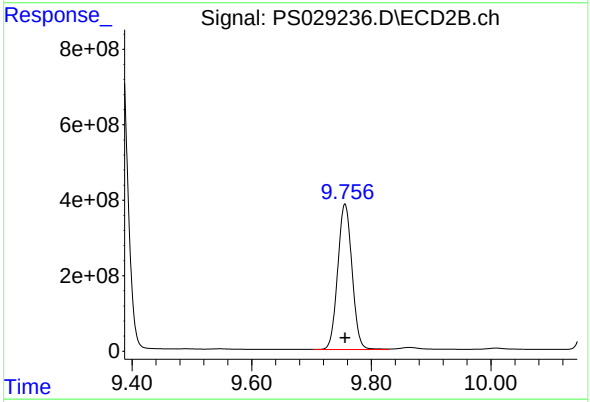
R.T.: 9.379 min
Delta R.T.: 0.000 min
Response: 16345726949
Conc: 712.50 ng/ml



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

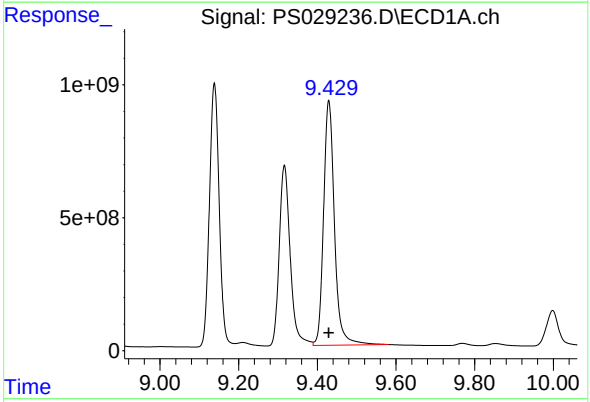
R.T.: 9.138 min
Delta R.T.: 0.000 min
Response: 17064364398
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



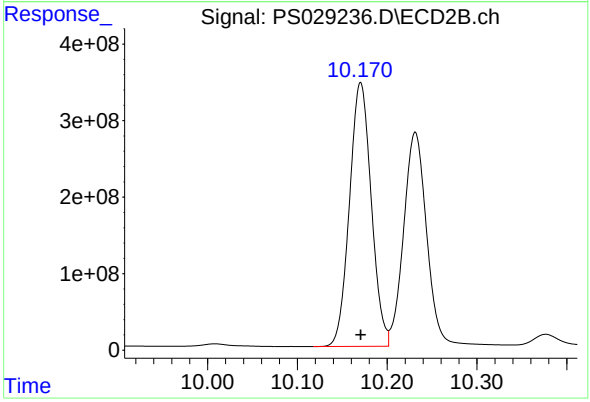
#11 2,4,5-TP (SILVEX)

R.T.: 9.756 min
Delta R.T.: 0.000 min
Response: 6409684995
Conc: 712.50 ng/ml



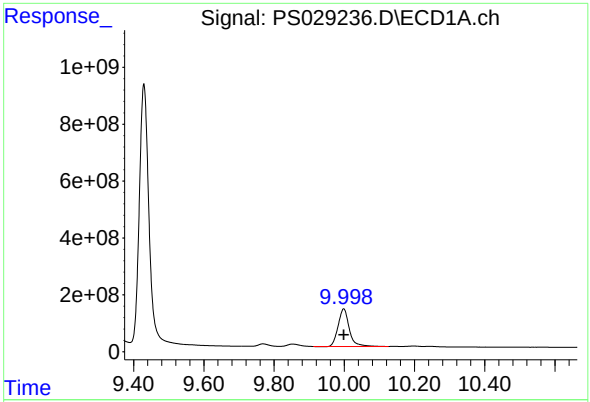
#12 2,4,5-T

R.T.: 9.429 min
Delta R.T.: 0.000 min
Response: 17712956715
Conc: 712.50 ng/ml



#12 2,4,5-T

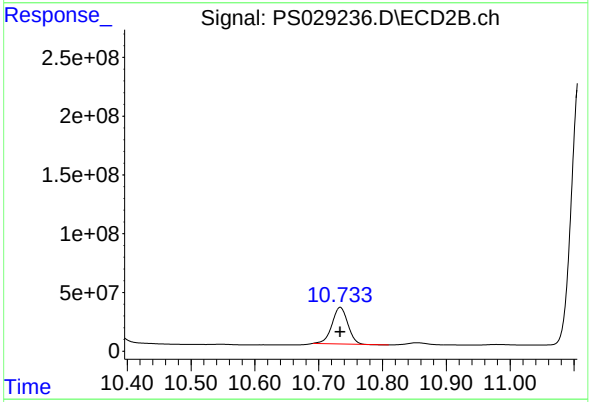
R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 5816255986
Conc: 712.50 ng/ml



#13 2,4-DB

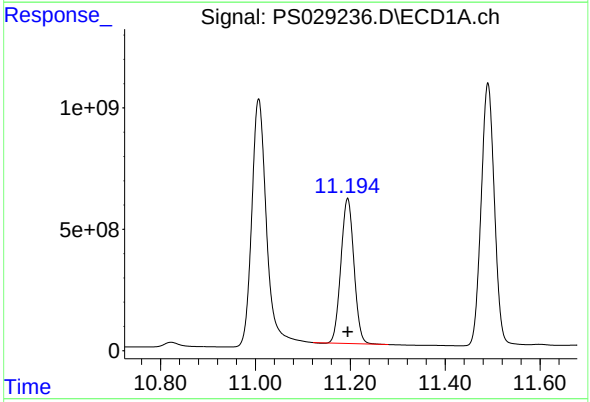
R.T.: 9.998 min
Delta R.T.: 0.000 min
Response: 2915603199
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



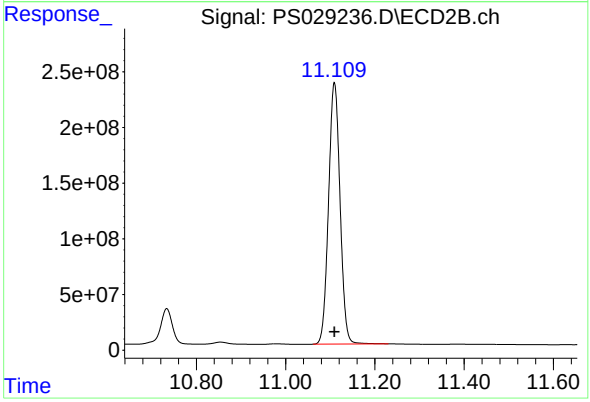
#13 2,4-DB

R.T.: 10.734 min
Delta R.T.: 0.000 min
Response: 534251119
Conc: 712.50 ng/ml



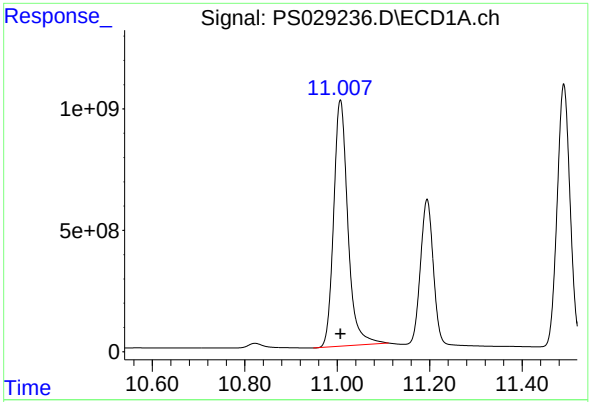
#14 DINOSEB

R.T.: 11.194 min
Delta R.T.: 0.000 min
Response: 11386311715
Conc: 705.00 ng/ml



#14 DINOSEB

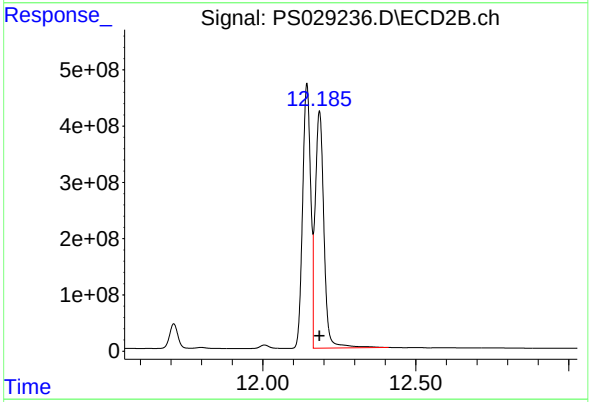
R.T.: 11.109 min
Delta R.T.: 0.000 min
Response: 4201208657
Conc: 705.00 ng/ml



#15 Picloram

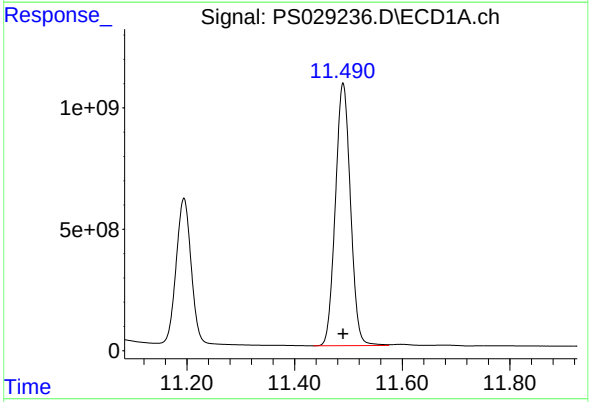
R.T.: 11.007 min
Delta R.T.: 0.000 min
Response: 21617917308
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



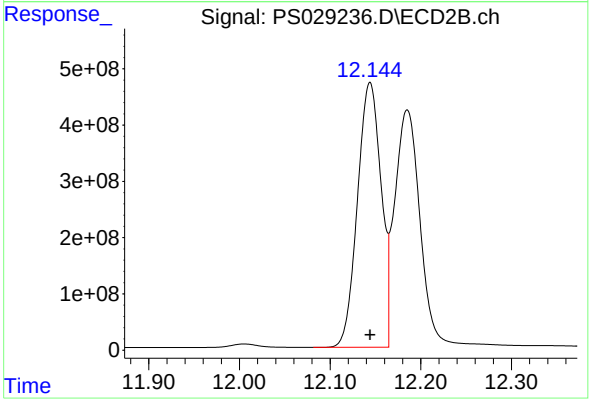
#15 Picloram

R.T.: 12.185 min
Delta R.T.: 0.000 min
Response: 8363826327
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.490 min
Delta R.T.: 0.000 min
Response: 21030169639
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.144 min
Delta R.T.: 0.000 min
Response: 8520243713
Conc: 720.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 21:08
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: Feb 22 00:47:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.160	7.632	3904.4E6	923.9E6	987.641	1006.459
	Target Compounds						
1) T	Dalapon	2.602	2.649	4808.4E6	1862.5E6	901.290	906.192
2) T	3,5-DICHL...	6.341	6.604	5190.9E6	1296.8E6	914.113	935.505
3) T	4-Nitroph...	6.958	7.162	2125.8E6	711.9E6	916.034	914.527
5) T	DICAMBA	7.343	7.827	15712.3E6	4925.7E6	926.955	961.111
6) T	MCPP	7.525	7.934	1212.8E6	229.1E6	97.837	97.378
7) T	MCPA	7.674	8.174	1599.1E6	305.2E6	95.210	95.798
8) T	DICHLORPROP	8.042	8.536	4060.0E6	1174.5E6	925.954	943.257
9) T	2,4-D	8.271	8.861	4228.8E6	1179.7E6	924.070	951.397
10) T	Pentachlo...	8.569	9.379	47978.9E6	21616.5E6	808.586	942.252
11) T	2,4,5-TP ...	9.138	9.756	22191.6E6	8560.6E6	926.582	951.592
12) T	2,4,5-T	9.429	10.171	22908.3E6	7785.2E6	921.482	953.703
13) T	2,4-DB	9.998	10.734	3903.0E6	722.5E6	953.785	963.503
14) T	DINOSEB	11.194	11.109	14868.4E6	5641.4E6	920.597	946.685
15) T	Picloram	11.007	12.185	28555.1E6	11497.8E6	941.140	979.475
16) T	DCPA	11.490	12.143	27030.8E6	11366.5E6	925.442	960.520

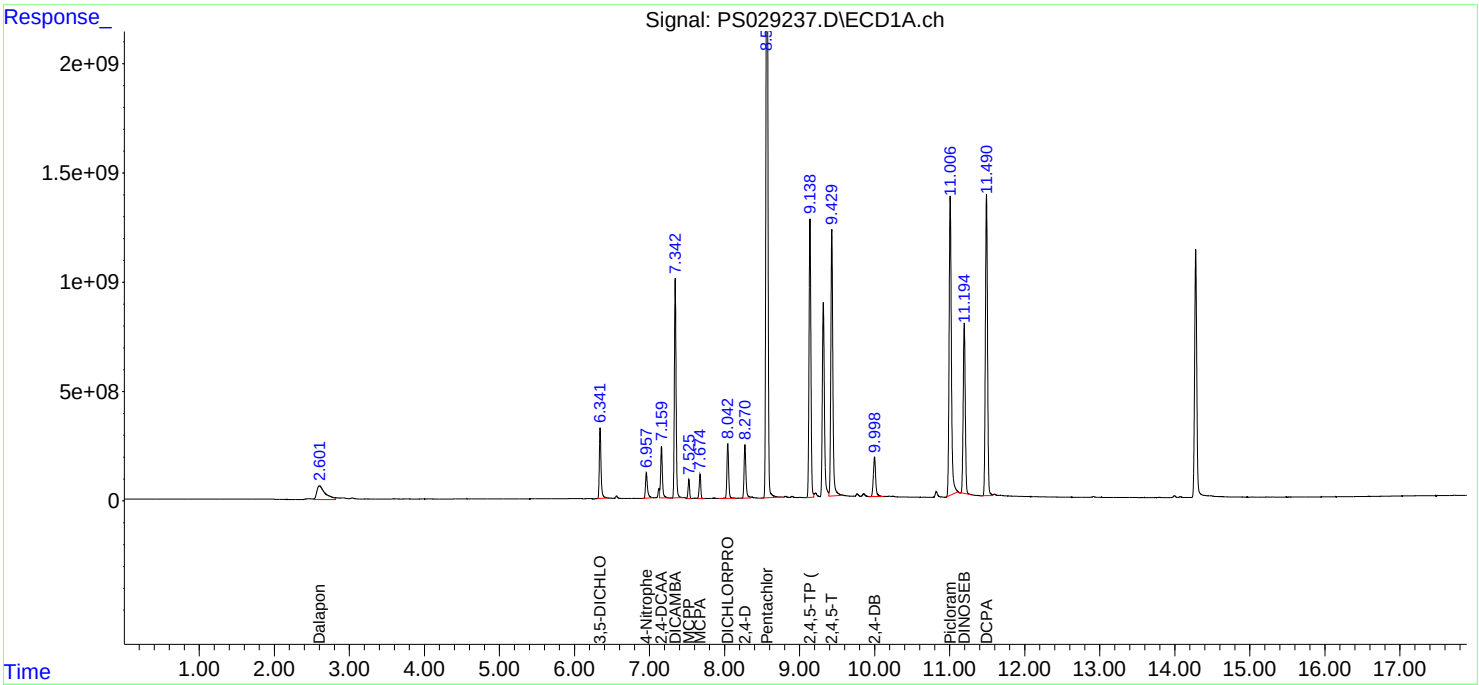
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

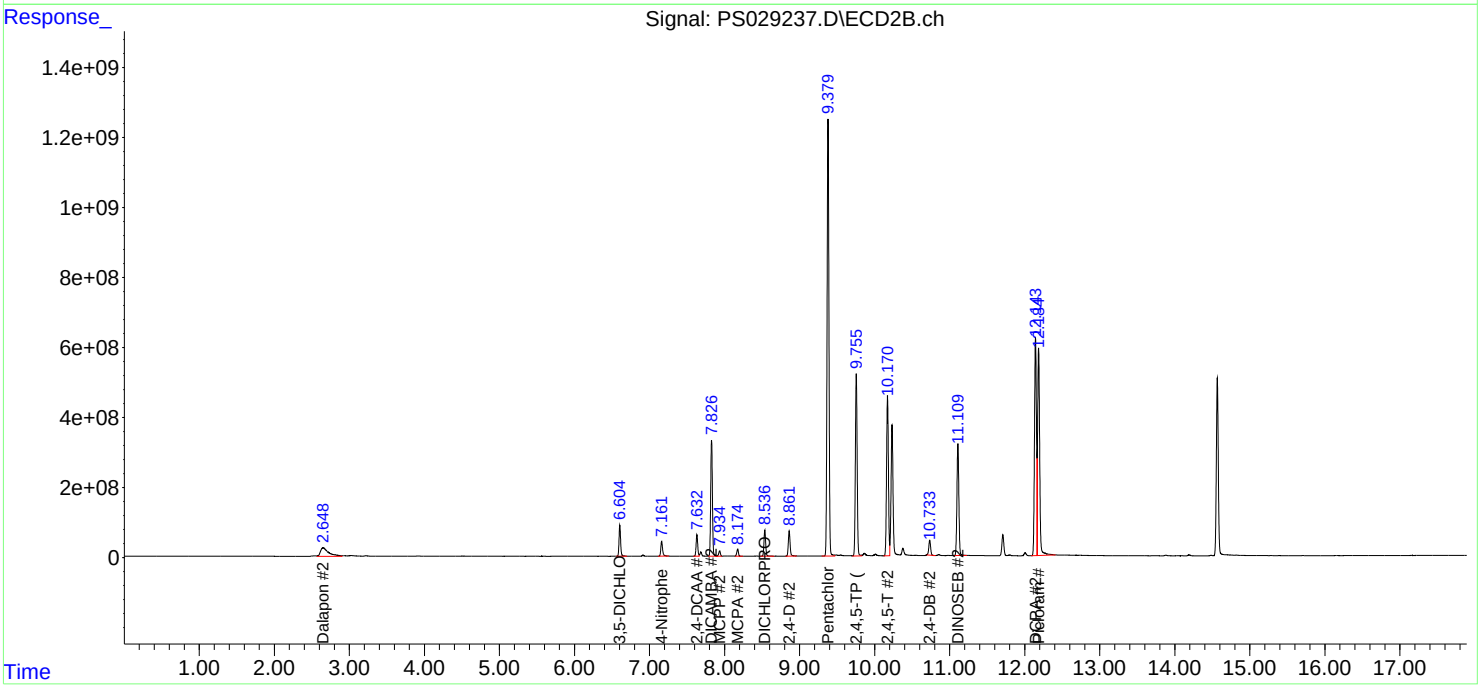
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 21:08
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

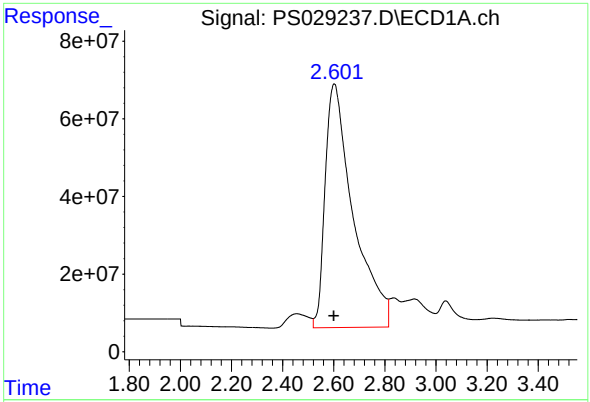
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 00:47:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



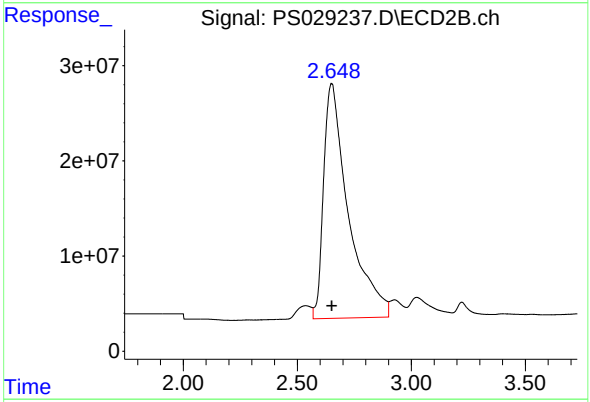




#1 Dalapon

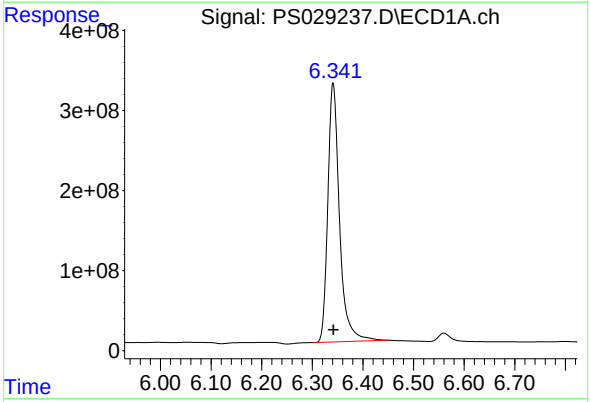
R.T.: 2.602 min
Delta R.T.: 0.002 min
Response: 4808356362
Conc: 901.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



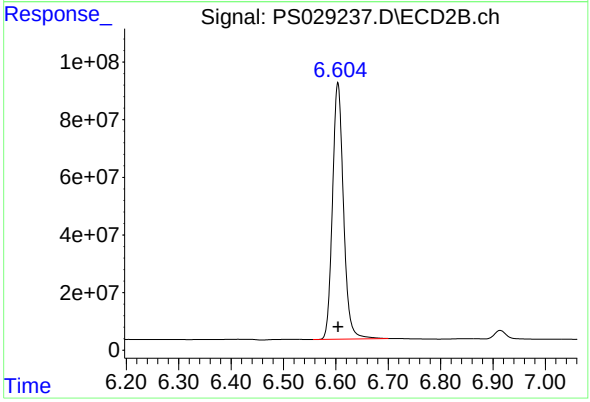
#1 Dalapon

R.T.: 2.649 min
Delta R.T.: -0.002 min
Response: 1862488178
Conc: 906.19 ng/ml



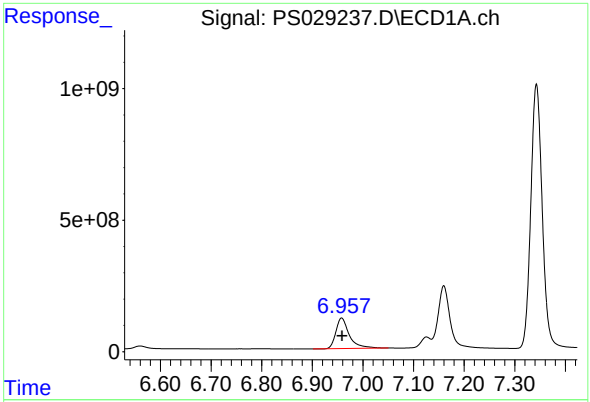
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 5190854031
Conc: 914.11 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

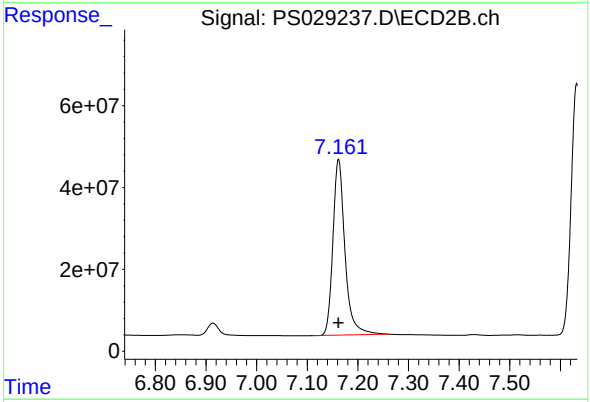
R.T.: 6.604 min
Delta R.T.: 0.000 min
Response: 1296789679
Conc: 935.51 ng/ml



#3 4-Nitrophenol

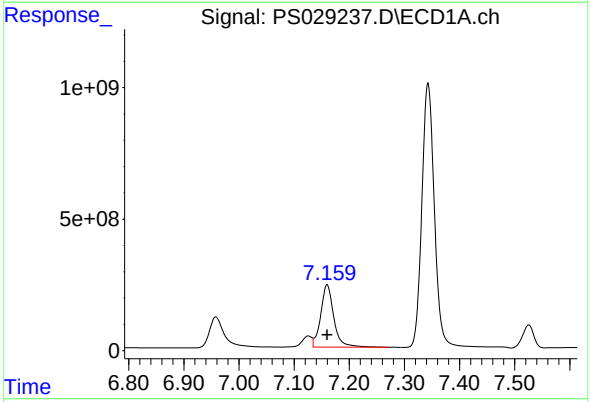
R.T.: 6.958 min
Delta R.T.: 0.000 min
Response: 2125831668
Conc: 916.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



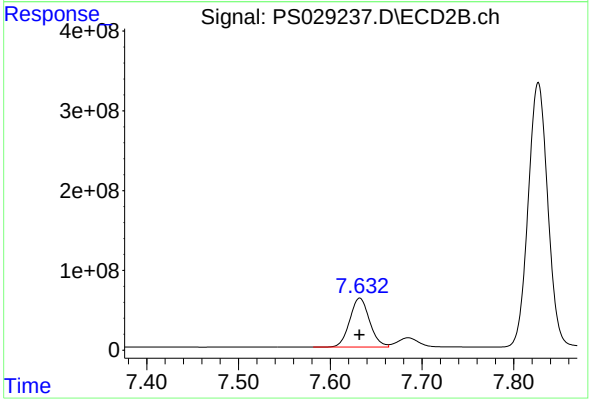
#3 4-Nitrophenol

R.T.: 7.162 min
Delta R.T.: 0.000 min
Response: 711923525
Conc: 914.53 ng/ml



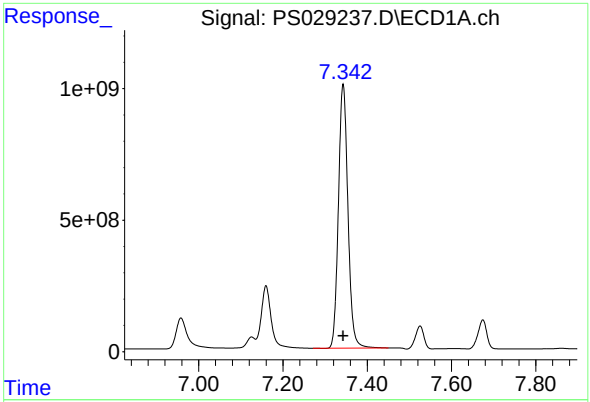
#4 2,4-DCAA

R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 3904375525
Conc: 987.64 ng/ml



#4 2,4-DCAA

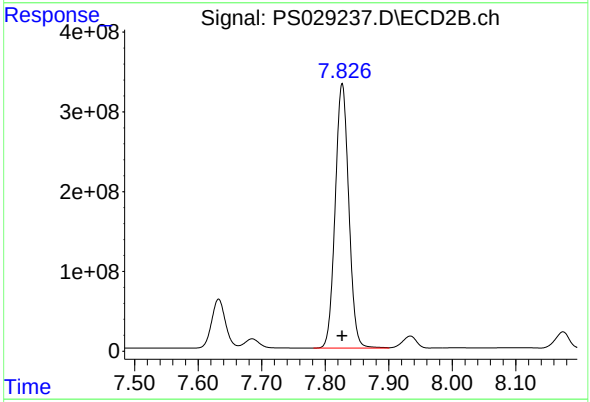
R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 923871054
Conc: 1006.46 ng/ml



#5 DICAMBA

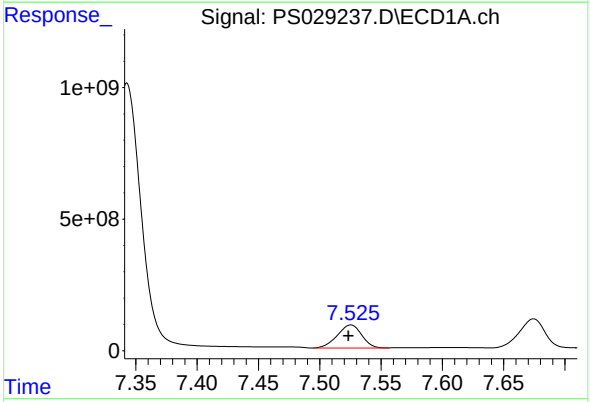
R.T.: 7.343 min
Delta R.T.: 0.000 min
Response: 15712263512
Conc: 926.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



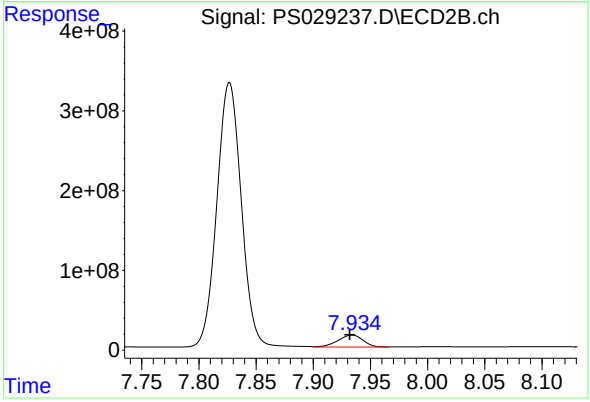
#5 DICAMBA

R.T.: 7.827 min
Delta R.T.: 0.000 min
Response: 4925671975
Conc: 961.11 ng/ml



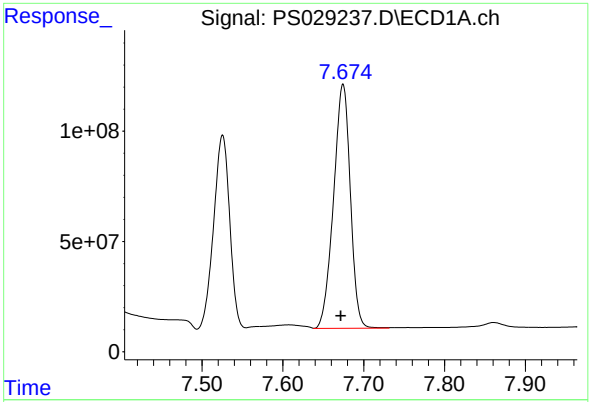
#6 MCPP

R.T.: 7.525 min
Delta R.T.: 0.002 min
Response: 1212812746
Conc: 97.84 ug/ml



#6 MCPP

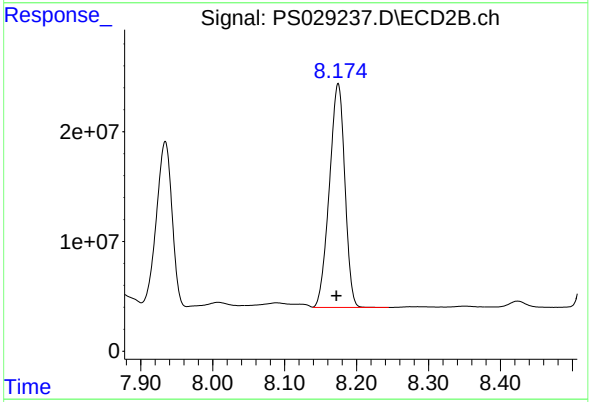
R.T.: 7.934 min
Delta R.T.: 0.002 min
Response: 229098431
Conc: 97.38 ug/ml



#7 MCPA

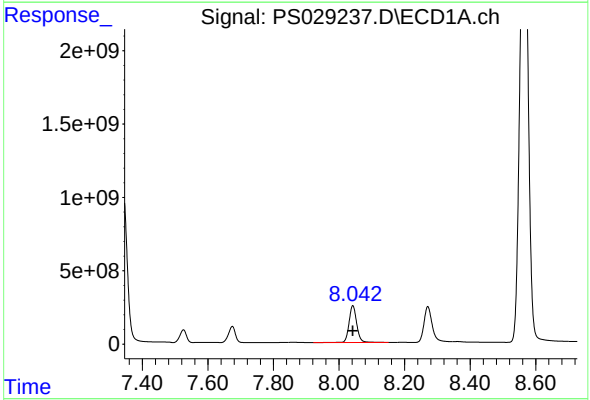
R.T.: 7.674 min
Delta R.T.: 0.003 min
Response: 1599125477
Conc: 95.21 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



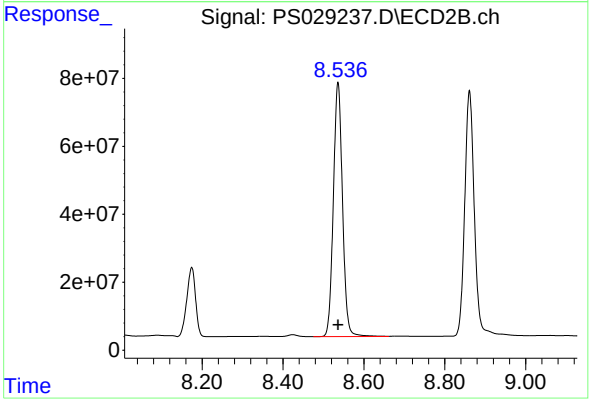
#7 MCPA

R.T.: 8.174 min
Delta R.T.: 0.003 min
Response: 305170612
Conc: 95.80 ug/ml



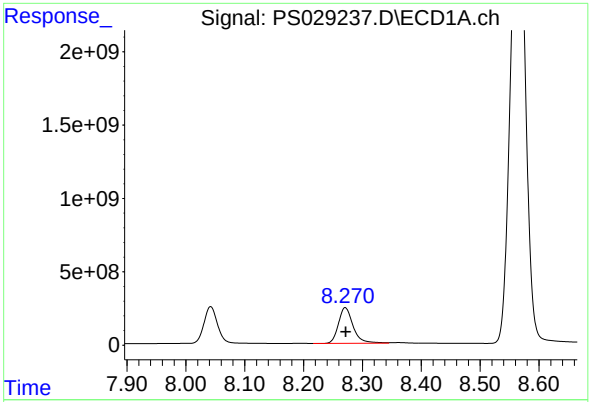
#8 DICHLORPROP

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 4059965411
Conc: 925.95 ng/ml



#8 DICHLORPROP

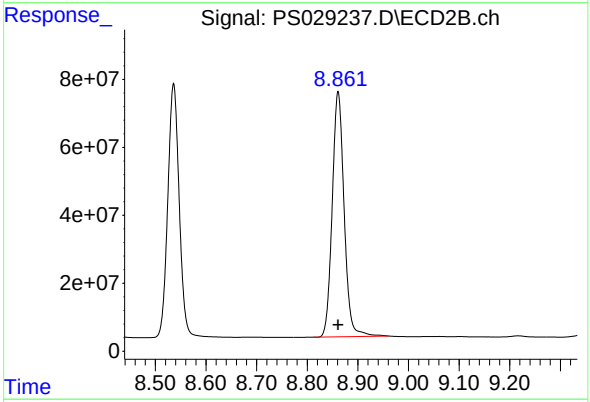
R.T.: 8.536 min
Delta R.T.: 0.000 min
Response: 1174485641
Conc: 943.26 ng/ml



#9 2,4-D

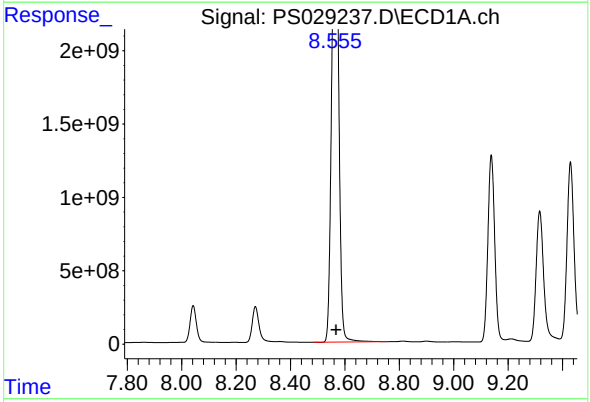
R.T.: 8.271 min
Delta R.T.: 0.000 min
Response: 4228823353
Conc: 924.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



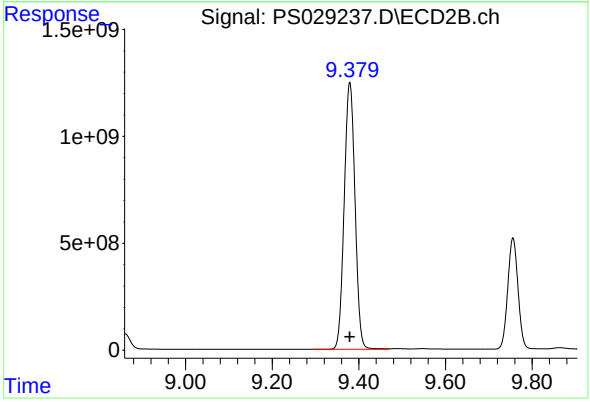
#9 2,4-D

R.T.: 8.861 min
Delta R.T.: 0.000 min
Response: 1179694891
Conc: 951.40 ng/ml



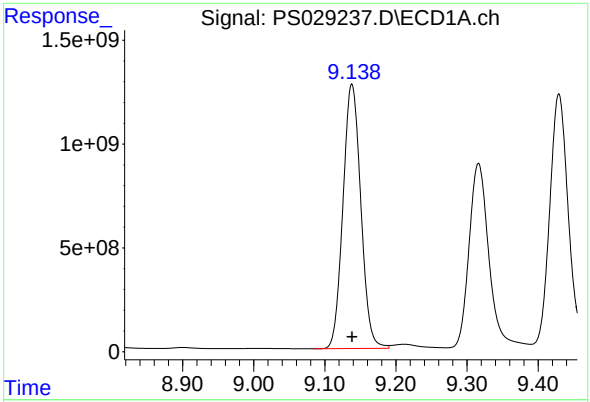
#10 Pentachlorophenol

R.T.: 8.569 min
Delta R.T.: 0.002 min
Response: 47978884087
Conc: 808.59 ng/ml



#10 Pentachlorophenol

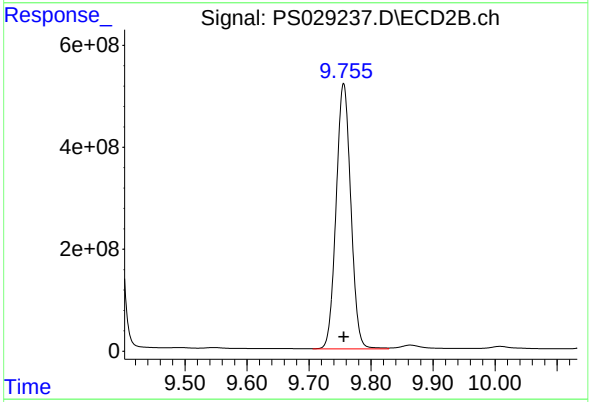
R.T.: 9.379 min
Delta R.T.: 0.000 min
Response: 21616548472
Conc: 942.25 ng/ml



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

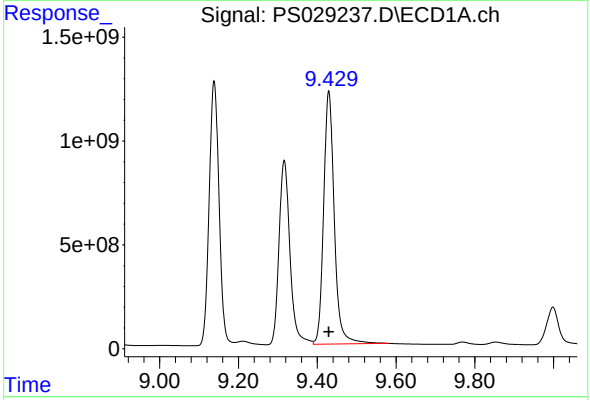
R.T.: 9.138 min
Delta R.T.: 0.000 min
Response: 22191616916
Conc: 926.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



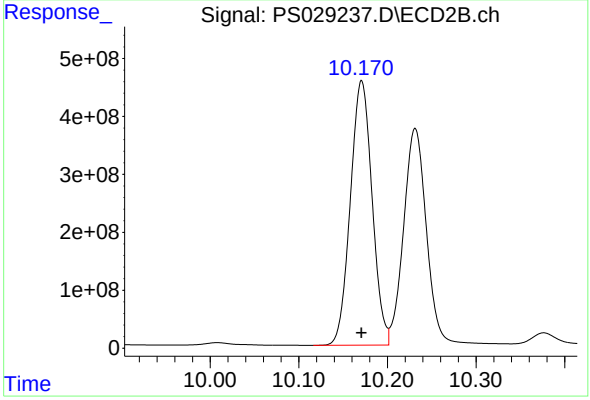
#11 2,4,5-TP (SILVEX)

R.T.: 9.756 min
Delta R.T.: 0.000 min
Response: 8560567188
Conc: 951.59 ng/ml



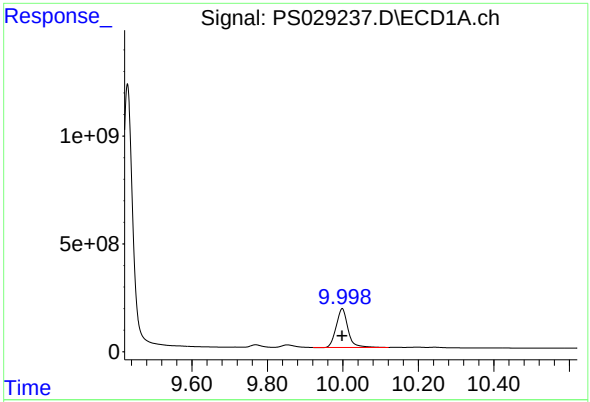
#12 2,4,5-T

R.T.: 9.429 min
Delta R.T.: 0.000 min
Response: 22908298887
Conc: 921.48 ng/ml



#12 2,4,5-T

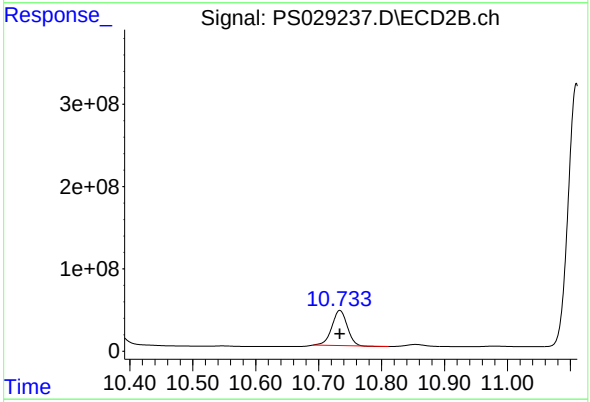
R.T.: 10.171 min
Delta R.T.: 0.000 min
Response: 7785232535
Conc: 953.70 ng/ml



#13 2,4-DB

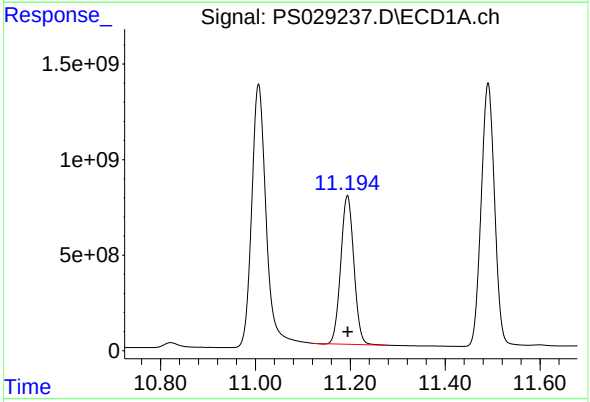
R.T.: 9.998 min
Delta R.T.: 0.000 min
Response: 3902961022
Conc: 953.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



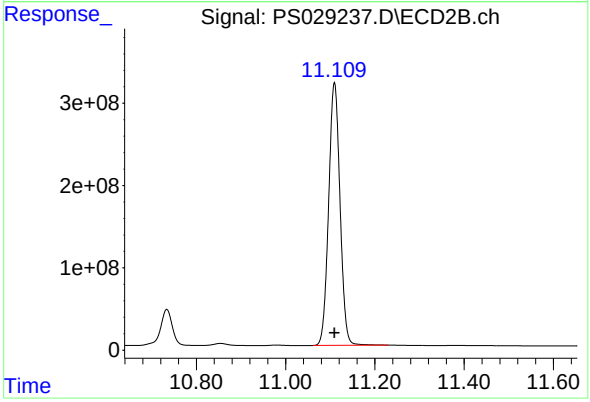
#13 2,4-DB

R.T.: 10.734 min
Delta R.T.: 0.000 min
Response: 722459649
Conc: 963.50 ng/ml



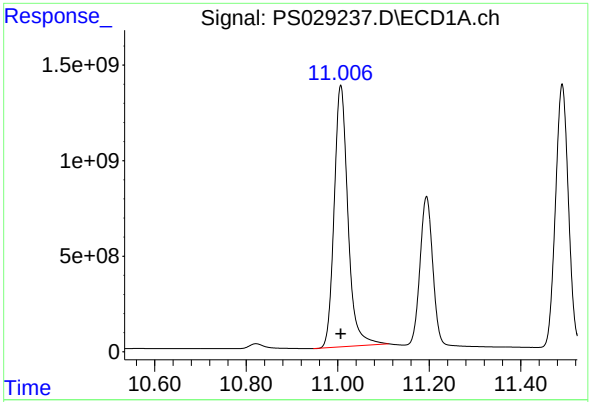
#14 DINOSEB

R.T.: 11.194 min
Delta R.T.: 0.000 min
Response: 14868367443
Conc: 920.60 ng/ml



#14 DINOSEB

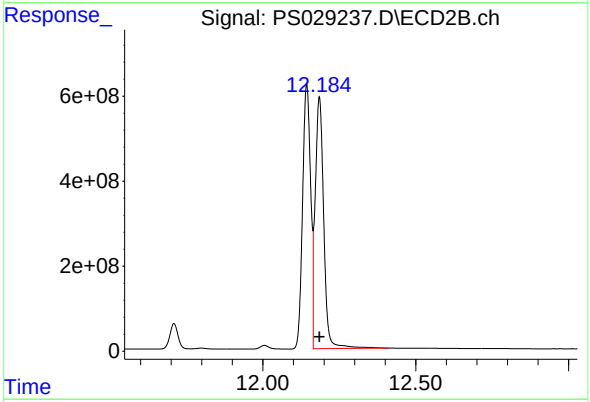
R.T.: 11.109 min
Delta R.T.: 0.000 min
Response: 5641449993
Conc: 946.69 ng/ml



#15 Picloram

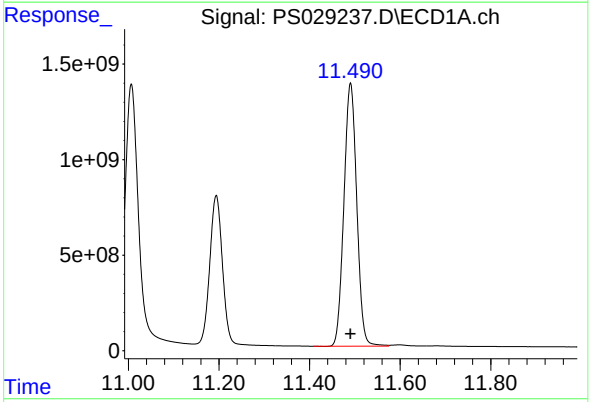
R.T.: 11.007 min
Delta R.T.: 0.000 min
Response: 28555054930
Conc: 941.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



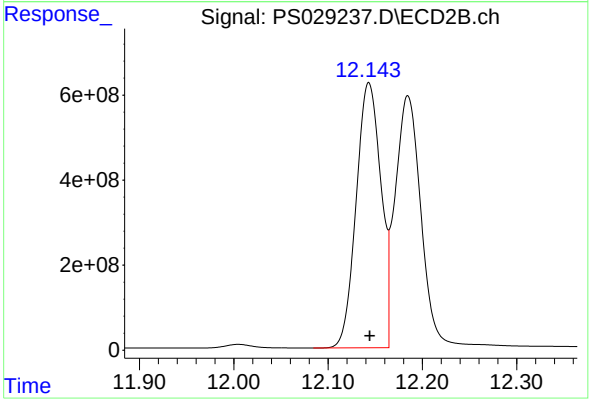
#15 Picloram

R.T.: 12.185 min
Delta R.T.: 0.000 min
Response: 11497763578
Conc: 979.47 ng/ml



#16 DCPA

R.T.: 11.490 min
Delta R.T.: 0.000 min
Response: 27030826064
Conc: 925.44 ng/ml



#16 DCPA

R.T.: 12.143 min
Delta R.T.: 0.000 min
Response: 11366475727
Conc: 960.52 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 21:32
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: Feb 22 00:48:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.159	7.631	5603.2E6	1365.5E6	1417.359	1487.581
	Target Compounds						
1) T	Dalapon	2.599	2.650	7080.6E6	2737.9E6	1327.200	1332.102
2) T	3,5-DICHL...	6.341	6.603	7424.8E6	1902.1E6	1307.522	1372.147
3) T	4-Nitroph...	6.957	7.161	3188.9E6	1057.7E6	1374.098	1358.752
5) T	DICAMBA	7.342	7.826	22386.1E6	7349.3E6	1320.684	1434.025
6) T	MCPP	7.528	7.937	1849.5E6	345.7E6	149.200	146.934
7) T	MCPA	7.678	8.179	2403.1E6	459.1E6	143.079	144.104
8) T	DICHLORPROP	8.042	8.536	5832.5E6	1734.2E6	1330.222	1392.771
9) T	2,4-D	8.270	8.861	6067.9E6	1740.7E6	1325.935	1403.795
10) T	Pentachlo...	8.571	9.379	54359.2E6	30762.8E6	916.113	1340.930 #
11) T	2,4,5-TP ...	9.138	9.756	31108.4E6	12548.3E6	1298.890	1394.873
12) T	2,4,5-T	9.428	10.170	32195.4E6	11467.8E6	1295.051	1404.828
13) T	2,4-DB	9.996	10.733	5711.1E6	1098.1E6	1395.655	1464.450
14) T	DINOSEB	11.193	11.109	21096.9E6	8350.5E6	1306.243	1401.292
15) T	Picloram	11.005	12.184	41466.5E6	17354.9E6	1366.686	1478.435
16) T	DCPA	11.489	12.143	37451.6E6	16567.6E6	1282.213	1400.042

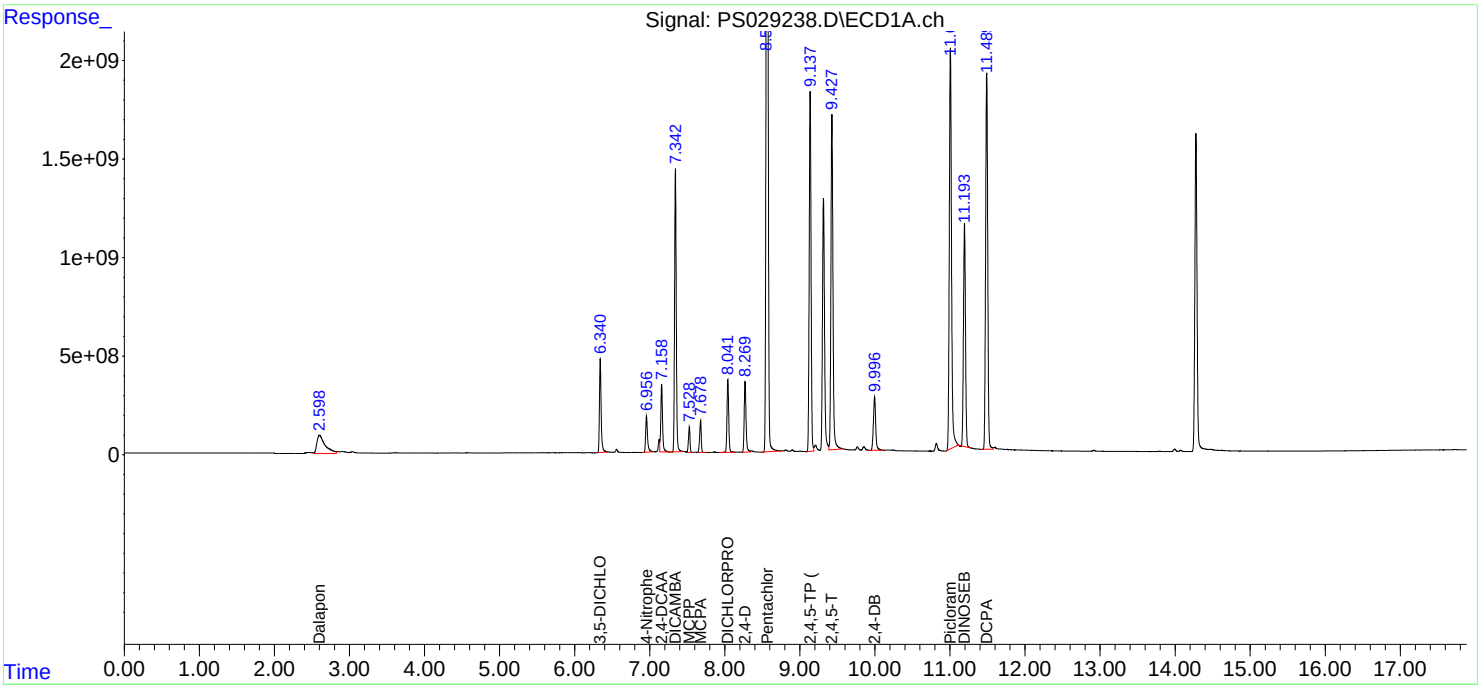
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

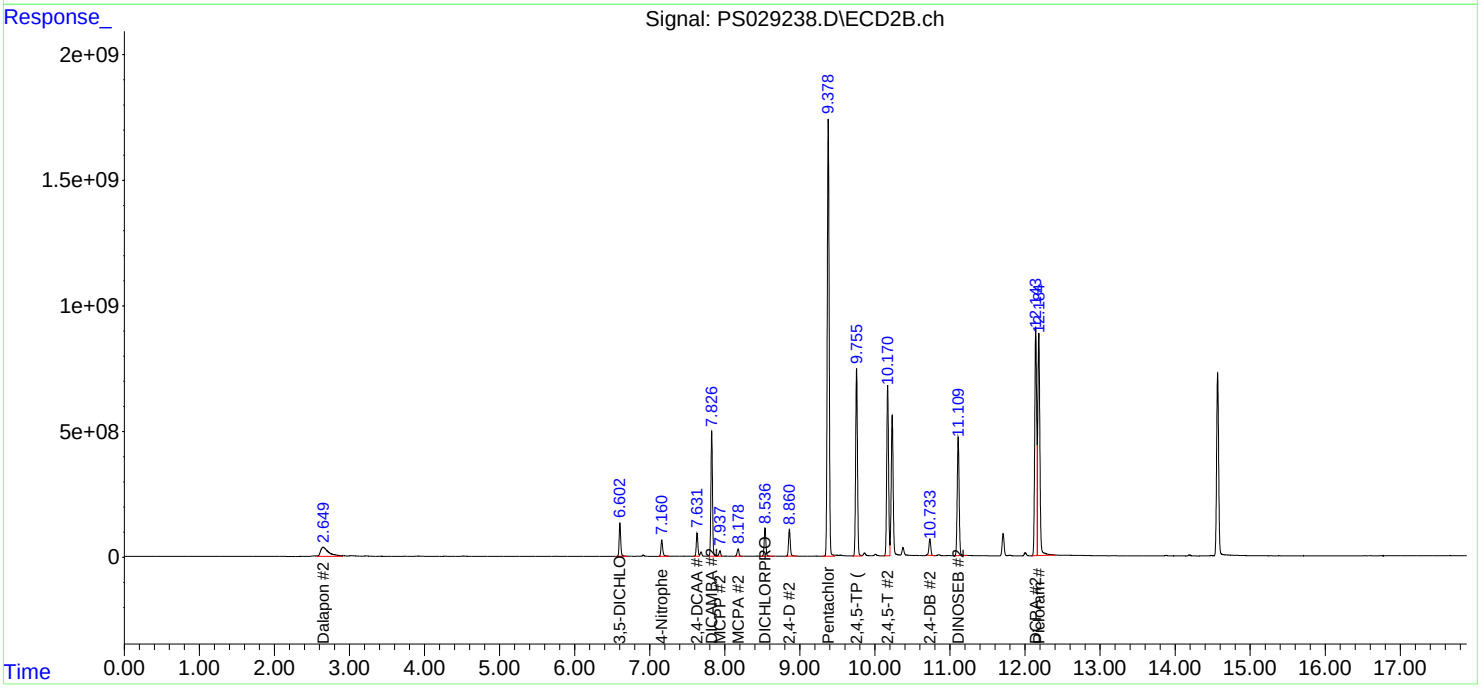
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 21:32
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

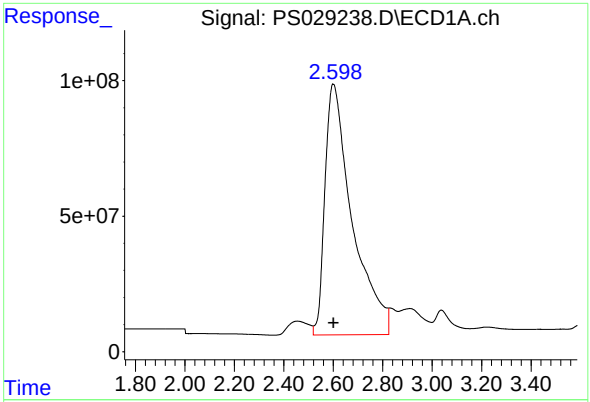
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 00:48:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



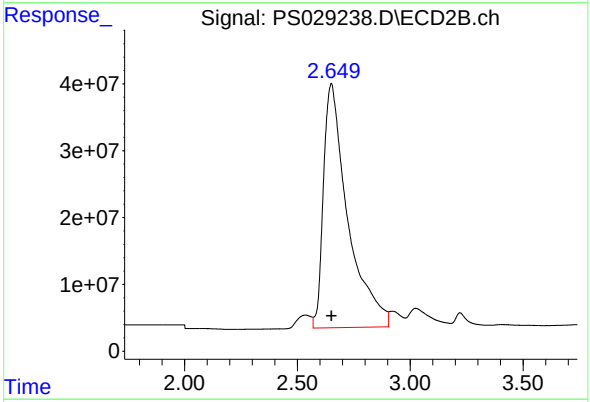




#1 Dalapon

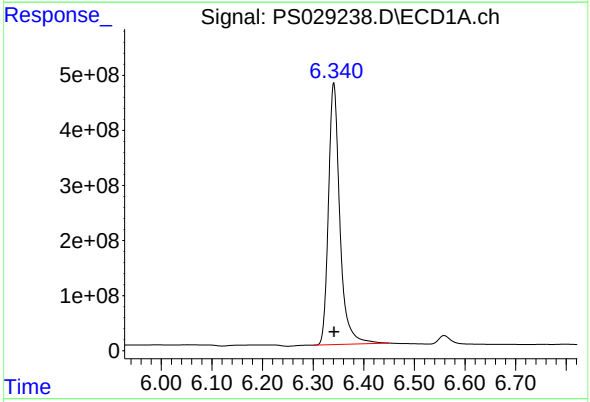
R.T.: 2.599 min
Delta R.T.: -0.001 min
Response: 7080571294
Conc: 1327.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



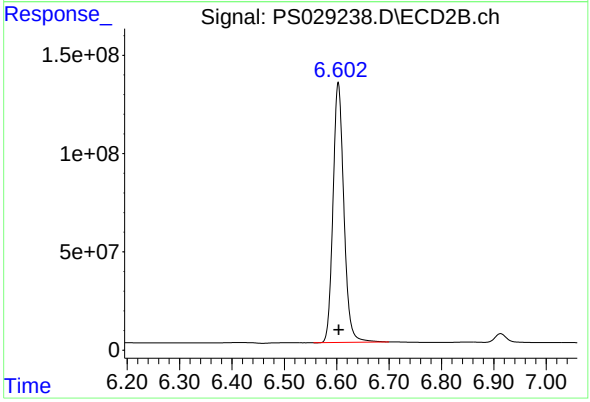
#1 Dalapon

R.T.: 2.650 min
Delta R.T.: 0.000 min
Response: 2737855534
Conc: 1332.10 ng/ml



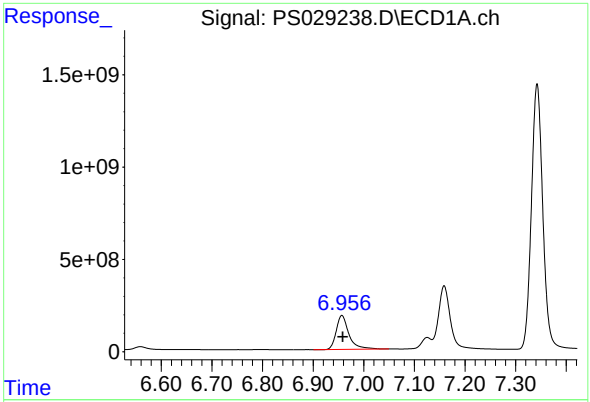
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 7424849560
Conc: 1307.52 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

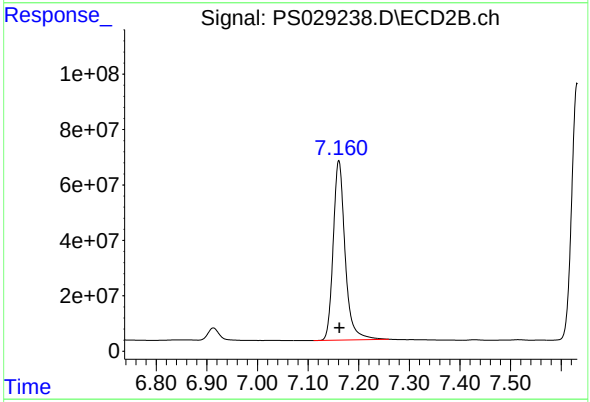
R.T.: 6.603 min
Delta R.T.: -0.001 min
Response: 1902059626
Conc: 1372.15 ng/ml



#3 4-Nitrophenol

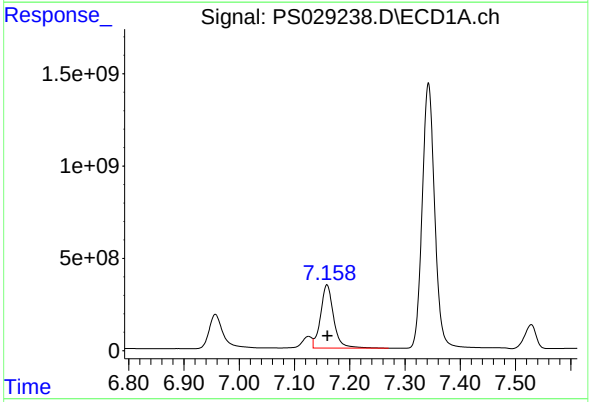
R.T.: 6.957 min
Delta R.T.: -0.002 min
Response: 3188857470
Conc: 1374.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



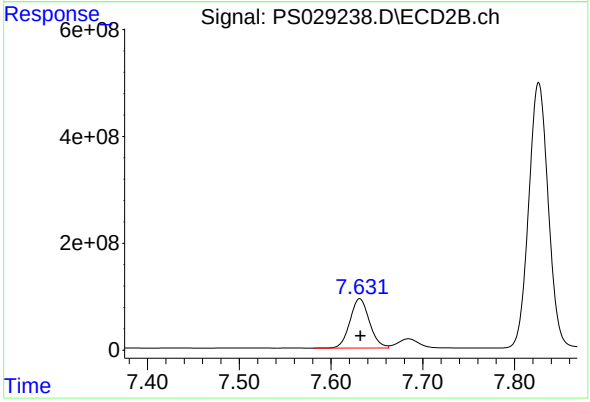
#3 4-Nitrophenol

R.T.: 7.161 min
Delta R.T.: -0.001 min
Response: 1057735327
Conc: 1358.75 ng/ml



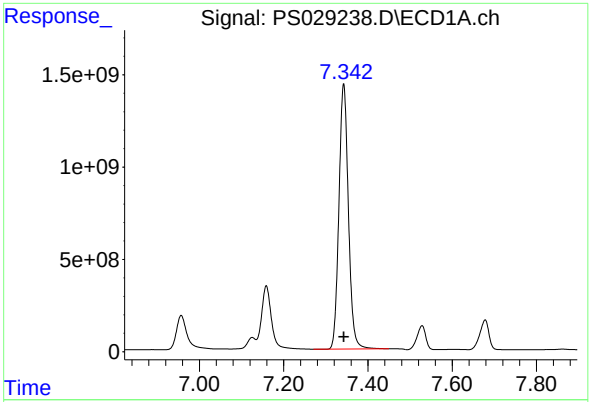
#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 5603151882
Conc: 1417.36 ng/ml



#4 2,4-DCAA

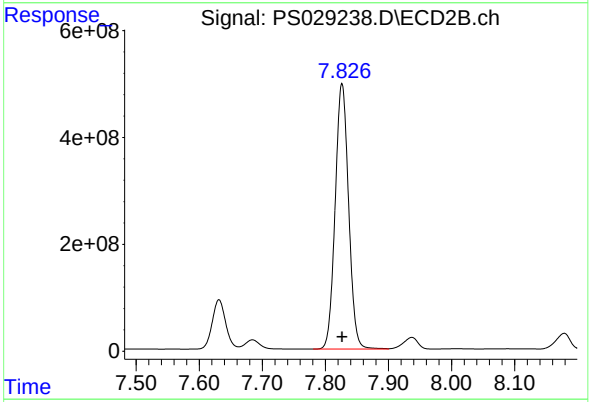
R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 1365513416
Conc: 1487.58 ng/ml



#5 DICAMBA

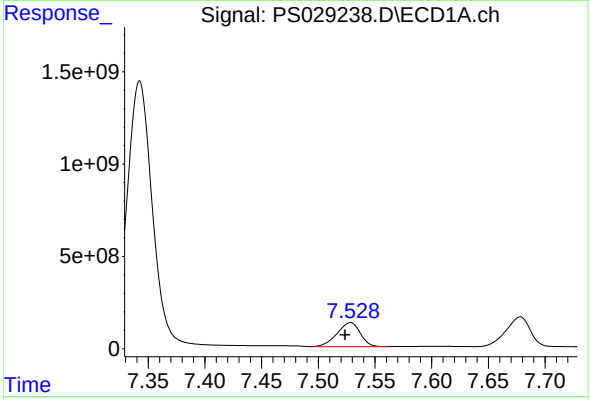
R.T.: 7.342 min
Delta R.T.: 0.000 min
Response: 22386140520
Conc: 1320.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



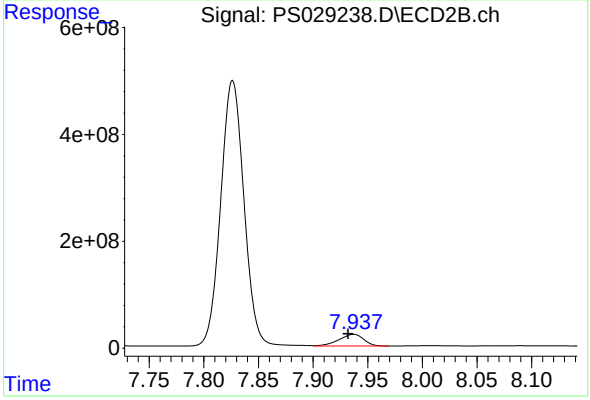
#5 DICAMBA

R.T.: 7.826 min
Delta R.T.: 0.000 min
Response: 7349348798
Conc: 1434.03 ng/ml



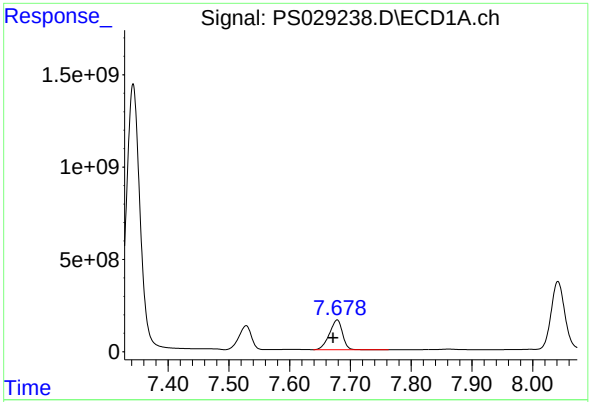
#6 MCPP

R.T.: 7.528 min
Delta R.T.: 0.005 min
Response: 1849517092
Conc: 149.20 ug/ml



#6 MCPP

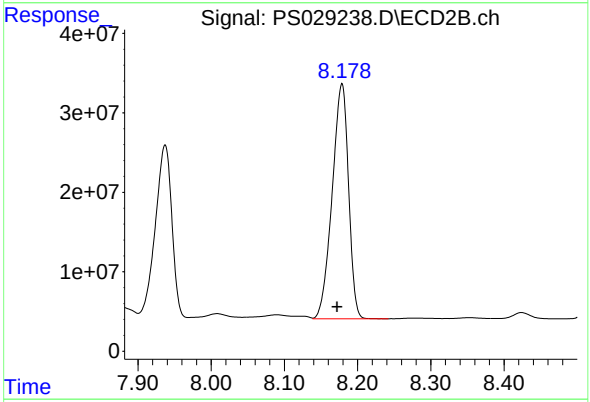
R.T.: 7.937 min
Delta R.T.: 0.005 min
Response: 345689207
Conc: 146.93 ug/ml



#7 MCPA

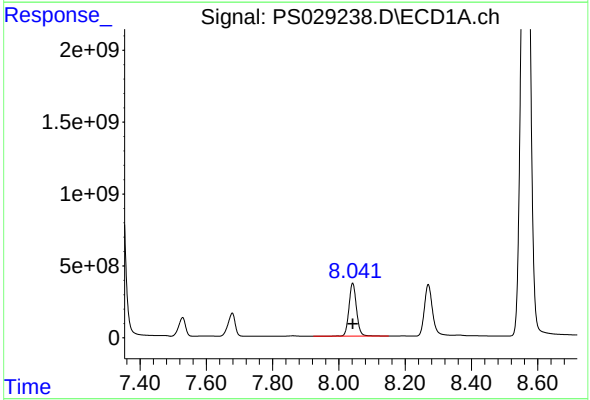
R.T.: 7.678 min
Delta R.T.: 0.007 min
Response: 2403120724
Conc: 143.08 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



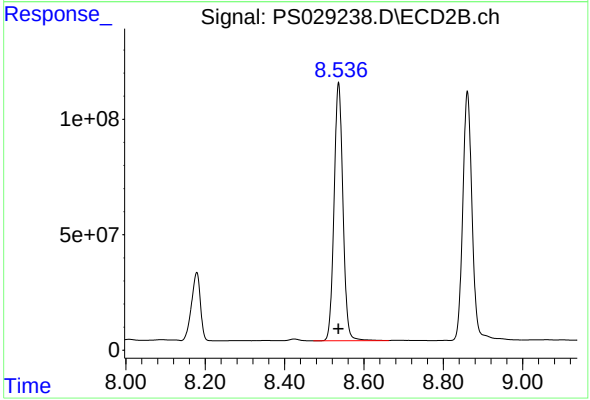
#7 MCPA

R.T.: 8.179 min
Delta R.T.: 0.007 min
Response: 459050317
Conc: 144.10 ug/ml



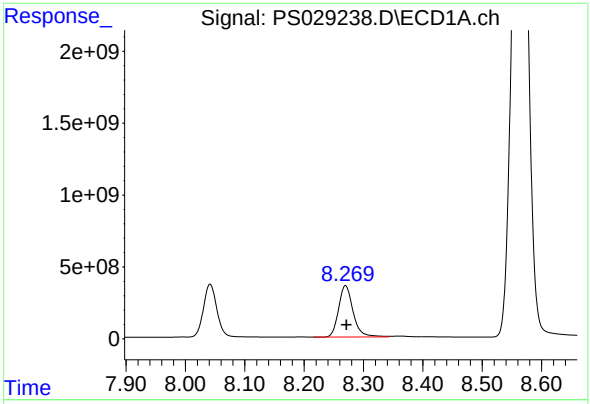
#8 DICHLORPROP

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 5832532660
Conc: 1330.22 ng/ml



#8 DICHLORPROP

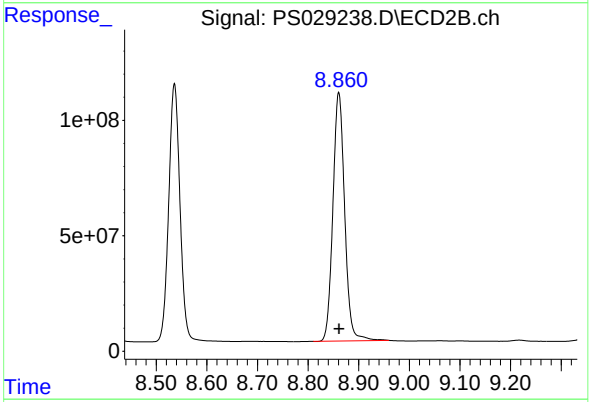
R.T.: 8.536 min
Delta R.T.: 0.000 min
Response: 1734192188
Conc: 1392.77 ng/ml



#9 2,4-D

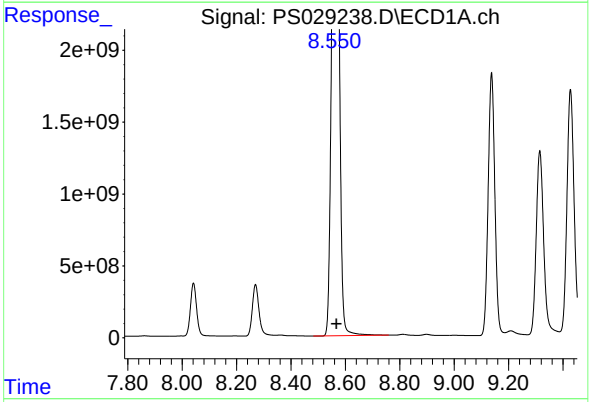
R.T.: 8.270 min
Delta R.T.: -0.002 min
Response: 6067874299
Conc: 1325.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



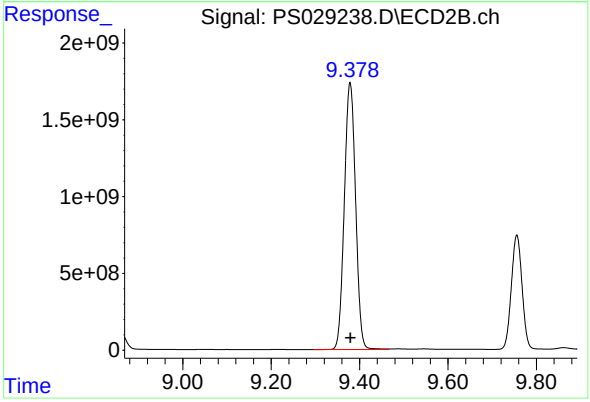
#9 2,4-D

R.T.: 8.861 min
Delta R.T.: 0.000 min
Response: 1740651458
Conc: 1403.79 ng/ml



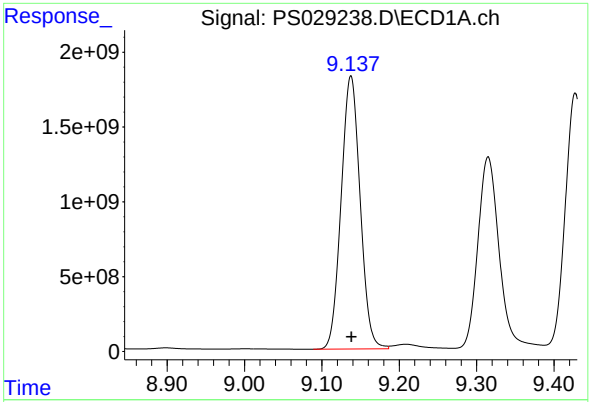
#10 Pentachlorophenol

R.T.: 8.571 min
Delta R.T.: 0.004 min
Response: 54359230461
Conc: 916.11 ng/ml



#10 Pentachlorophenol

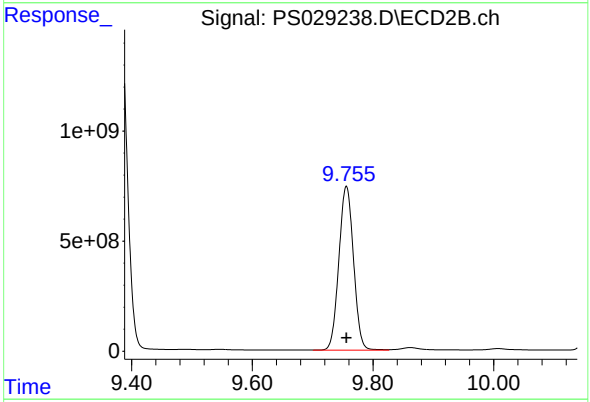
R.T.: 9.379 min
Delta R.T.: 0.000 min
Response: 30762766016
Conc: 1340.93 ng/ml



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

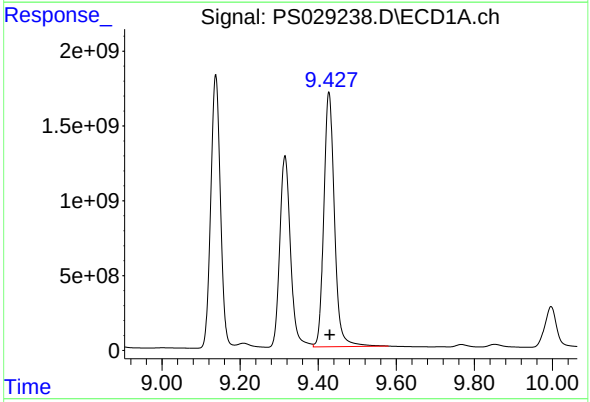
R.T.: 9.138 min
Delta R.T.: 0.000 min
Response: 31108399722
Conc: 1298.89 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



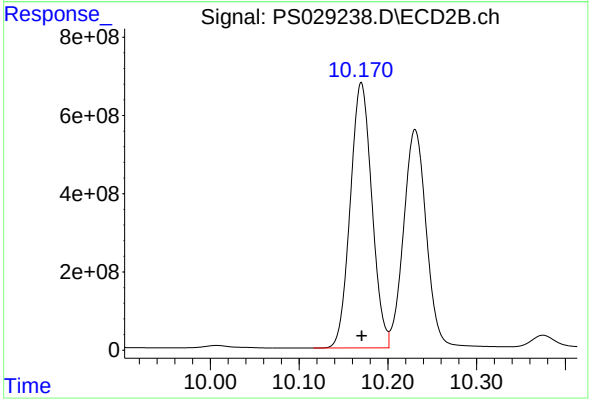
#11 2,4,5-TP (SILVEX)

R.T.: 9.756 min
Delta R.T.: 0.000 min
Response: 12548343048
Conc: 1394.87 ng/ml



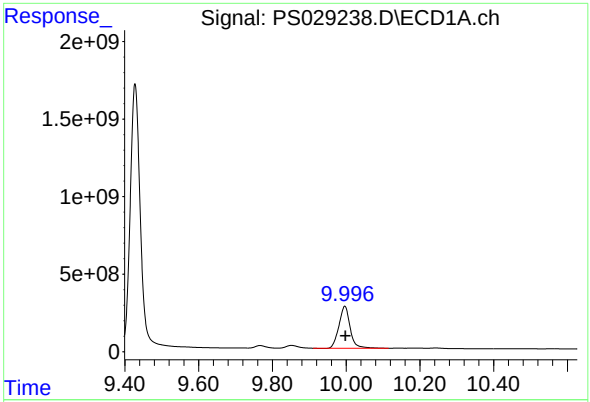
#12 2,4,5-T

R.T.: 9.428 min
Delta R.T.: -0.002 min
Response: 32195350320
Conc: 1295.05 ng/ml



#12 2,4,5-T

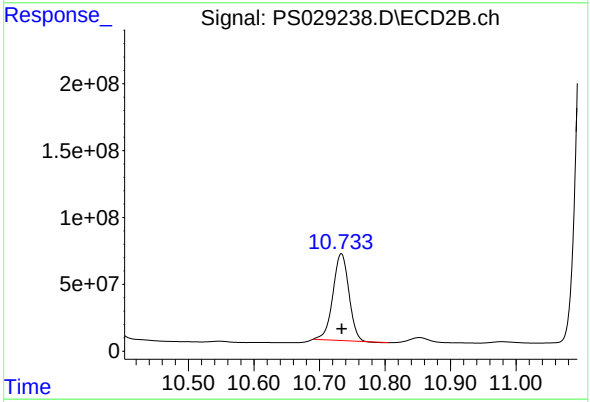
R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 11467843425
Conc: 1404.83 ng/ml



#13 2,4-DB

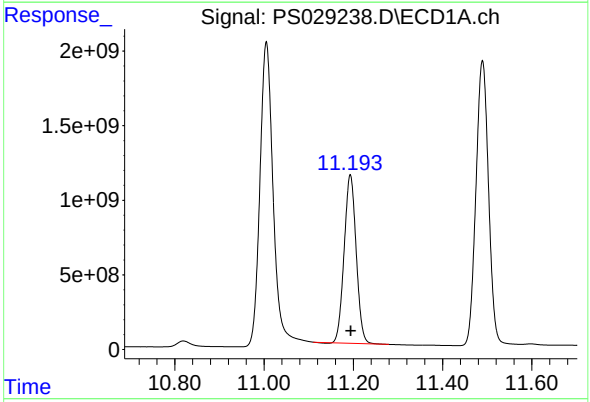
R.T.: 9.996 min
Delta R.T.: -0.002 min
Response: 5711124670
Conc: 1395.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



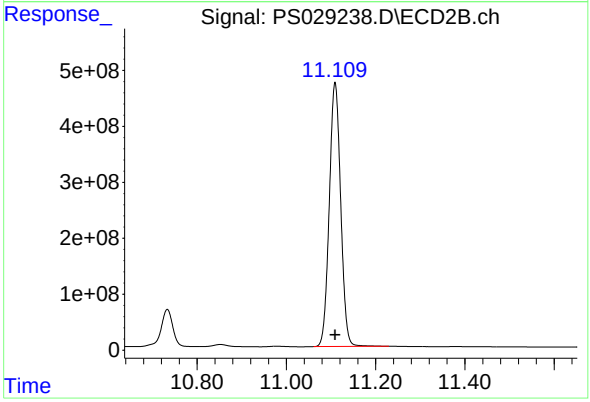
#13 2,4-DB

R.T.: 10.733 min
Delta R.T.: 0.000 min
Response: 1098082586
Conc: 1464.45 ng/ml



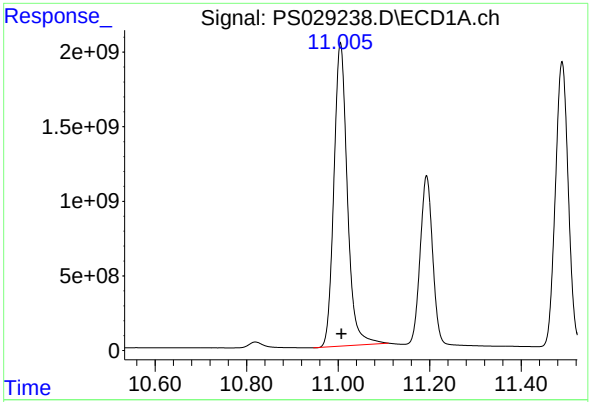
#14 DINOSEB

R.T.: 11.193 min
Delta R.T.: -0.001 min
Response: 21096868606
Conc: 1306.24 ng/ml



#14 DINOSEB

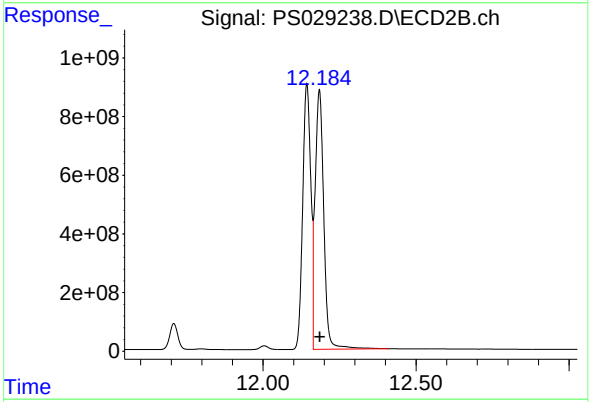
R.T.: 11.109 min
Delta R.T.: 0.000 min
Response: 8350523882
Conc: 1401.29 ng/ml



#15 Picloram

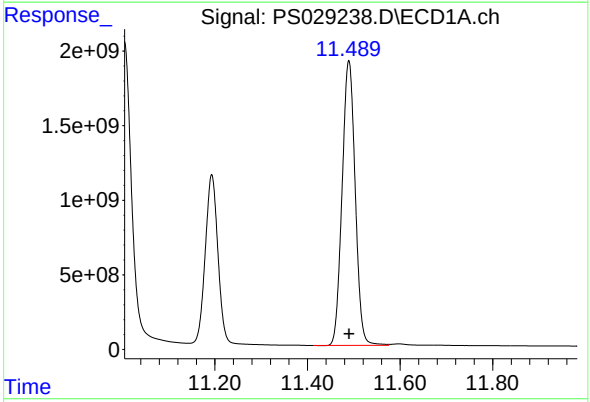
R.T.: 11.005 min
Delta R.T.: -0.002 min
Response: 41466531319
Conc: 1366.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



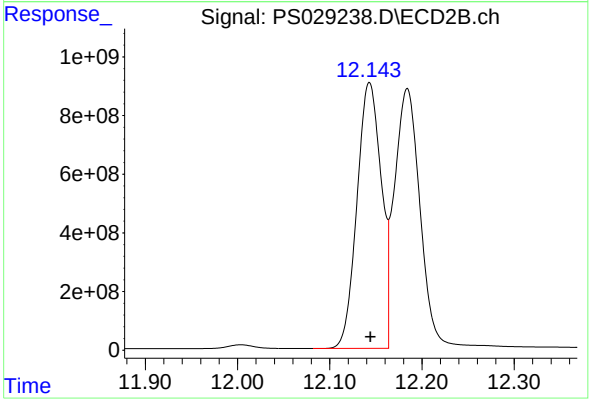
#15 Picloram

R.T.: 12.184 min
Delta R.T.: 0.000 min
Response: 17354912982
Conc: 1478.44 ng/ml



#16 DCPA

R.T.: 11.489 min
Delta R.T.: 0.000 min
Response: 37451604963
Conc: 1282.21 ng/ml



#16 DCPA

R.T.: 12.143 min
Delta R.T.: -0.001 min
Response: 16567633877
Conc: 1400.04 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 21:56
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS022125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 00:48:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.159	7.631	3006.3E6	696.2E6	760.470	758.413
	Target Compounds						
1) T	Dalapon	2.601	2.647	3672.9E6	1411.4E6	688.464	686.734
2) T	3,5-DICHL...	6.341	6.603	3997.2E6	979.2E6	703.903	706.431
3) T	4-Nitroph...	6.958	7.162	1586.8E6	534.7E6	683.748	686.872
5) T	DICAMBA	7.342	7.826	12149.2E6	3655.7E6	716.752	713.308
6) T	MCPP	7.523	7.931	877.8E6	168.1E6	70.814	71.451
7) T	MCPA	7.671	8.171	1179.4E6	225.5E6	70.221	70.791
8) T	DICHLORPROP	8.042	8.535	3120.1E6	886.8E6	711.599	712.198
9) T	2,4-D	8.270	8.860	3260.0E6	886.8E6	712.372	715.191
10) T	Pentachlo...	8.566	9.378	42728.6E6	16556.0E6	720.103	721.667
11) T	2,4,5-TP ...	9.137	9.755	17209.4E6	6480.5E6	718.554	720.373
12) T	2,4,5-T	9.428	10.169	17943.6E6	5874.7E6	721.778	719.658
13) T	2,4-DB	9.997	10.733	2931.8E6	536.7E6	716.459	715.709
14) T	DINOSEB	11.193	11.109	11470.9E6	4251.4E6	710.238	713.421
15) T	Picloram	11.006	12.183	21726.9E6	8497.3E6	716.090	723.872
16) T	DCPA	11.489	12.143	21240.2E6	8598.4E6	727.190	726.606

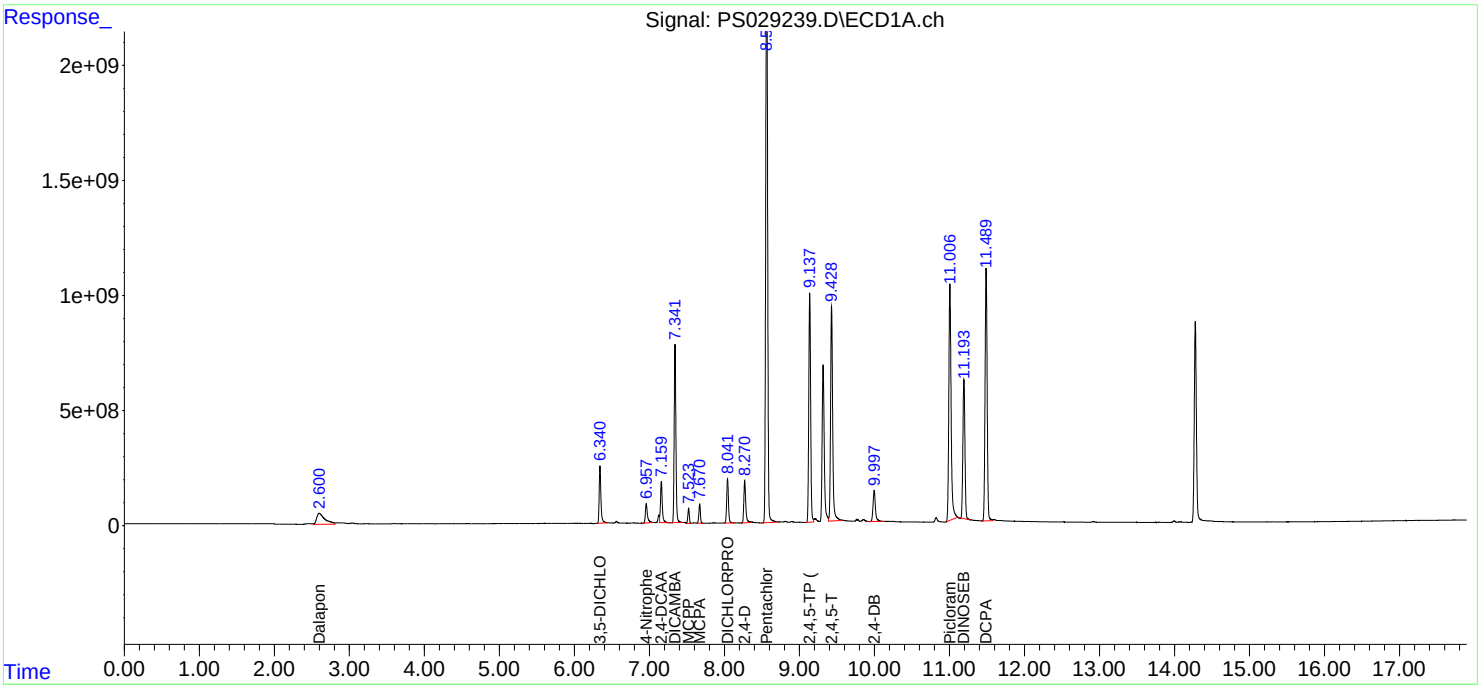
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

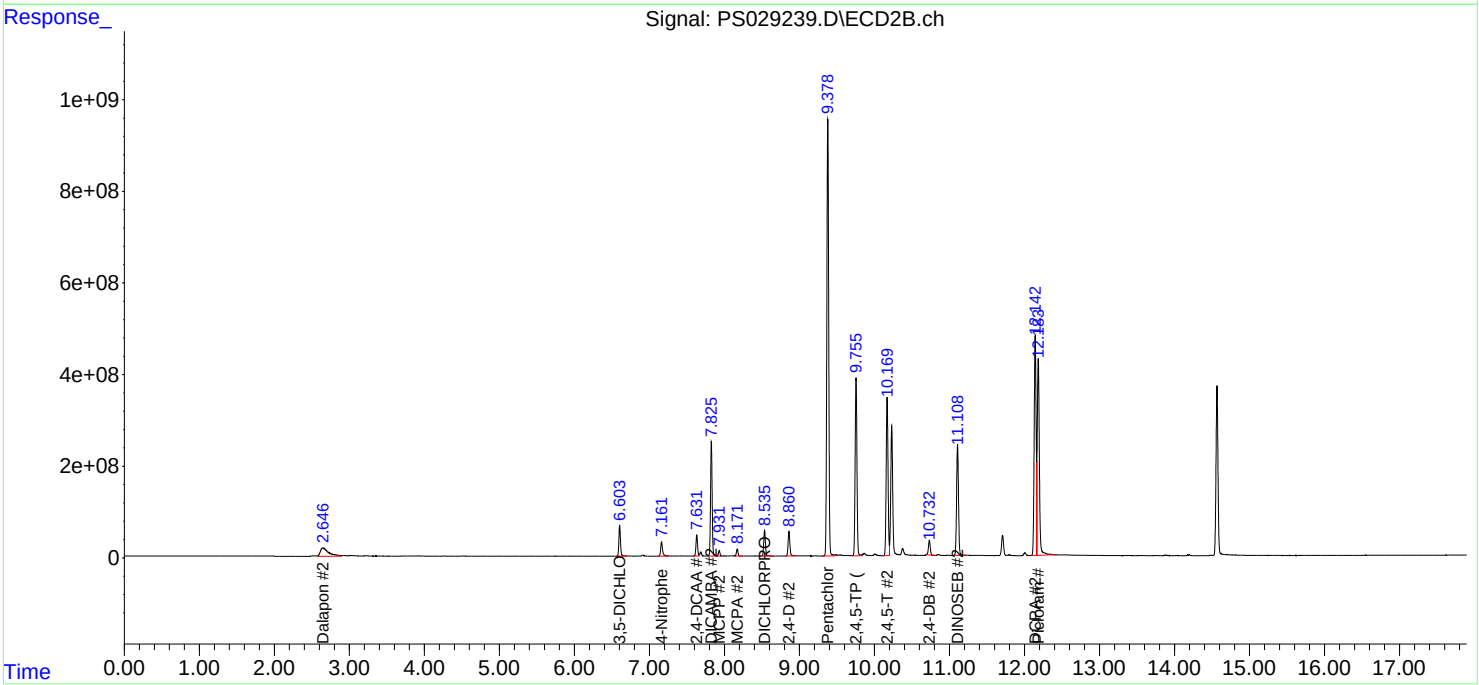
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 21:56
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

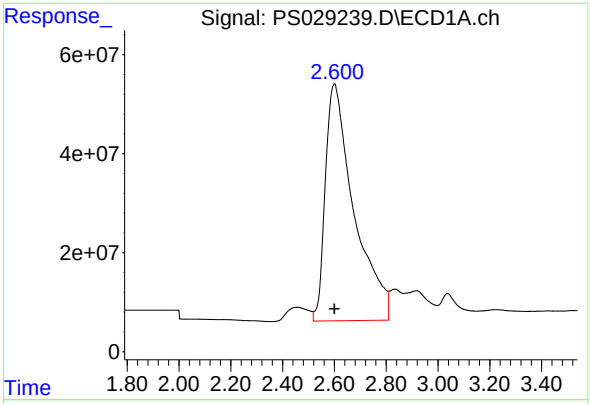
Instrument :
ECD_S
ClientSampleId :
ICVPS022125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 00:48:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 00:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



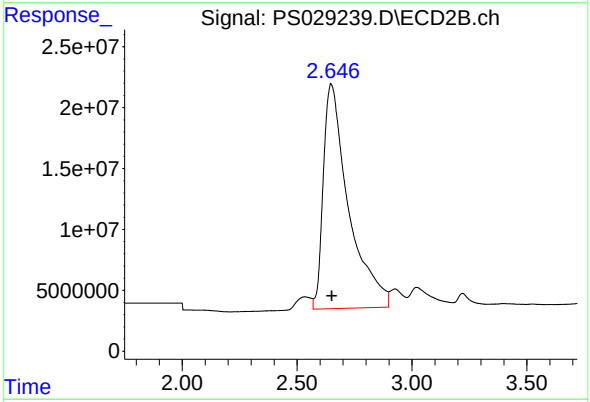




#1 Dalapon

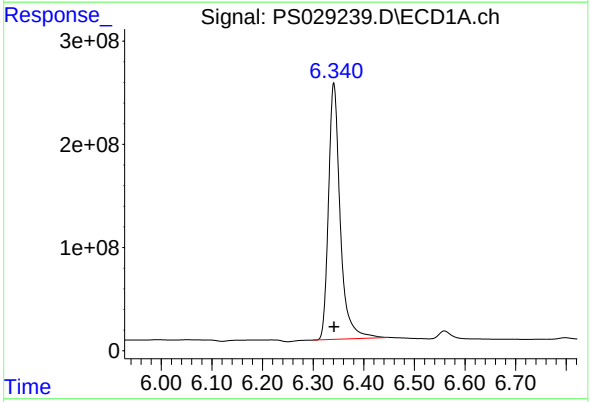
R.T.: 2.601 min
Delta R.T.: 0.000 min
Response: 3672933634
Conc: 688.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS022125



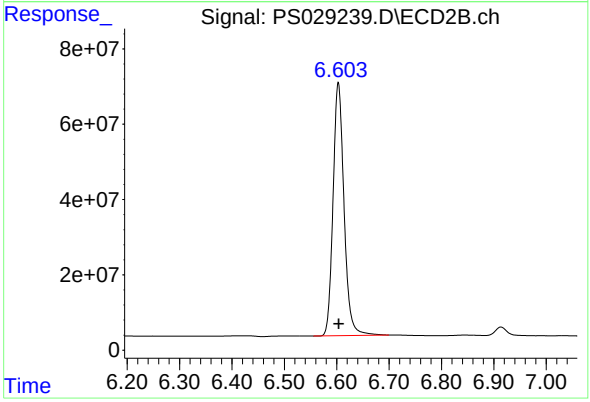
#1 Dalapon

R.T.: 2.647 min
Delta R.T.: -0.004 min
Response: 1411437306
Conc: 686.73 ng/ml



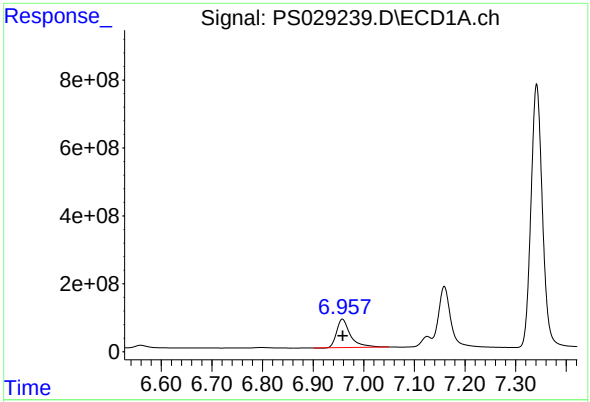
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 3997160630
Conc: 703.90 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

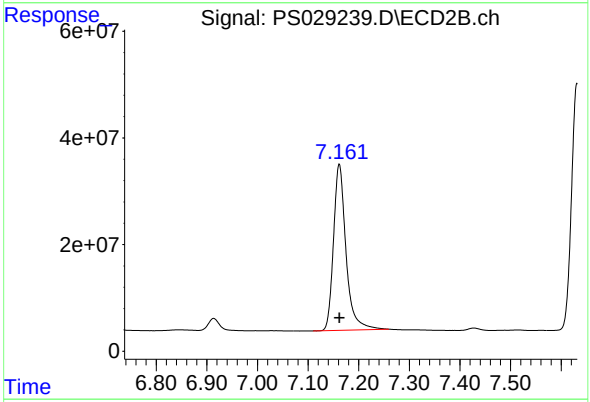
R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 979249364
Conc: 706.43 ng/ml



#3 4-Nitrophenol

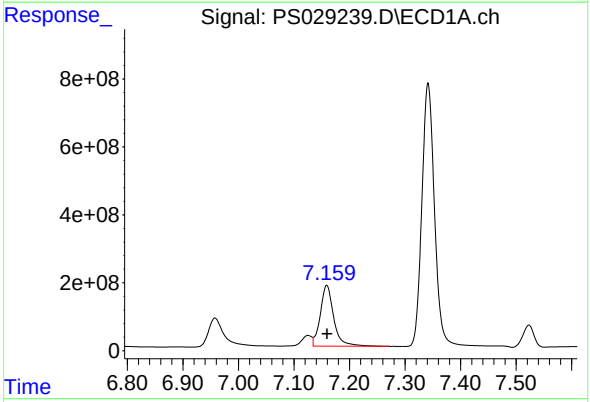
R.T.: 6.958 min
Delta R.T.: 0.000 min
Response: 1586766955
Conc: 683.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS022125



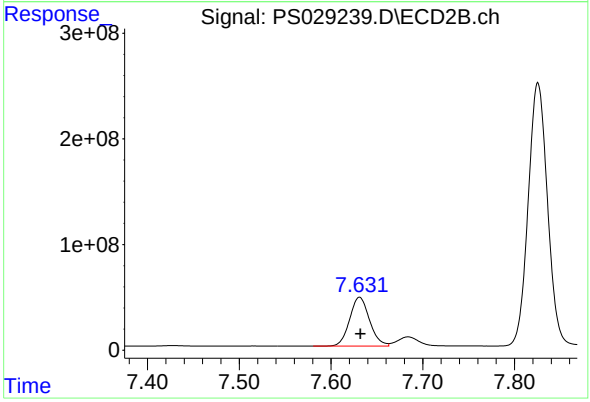
#3 4-Nitrophenol

R.T.: 7.162 min
Delta R.T.: 0.000 min
Response: 534703115
Conc: 686.87 ng/ml



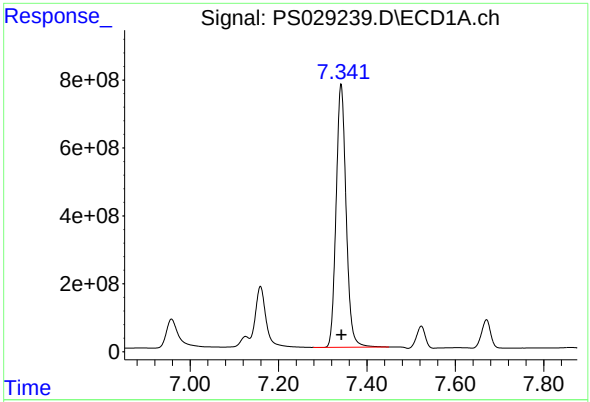
#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 3006318294
Conc: 760.47 ng/ml



#4 2,4-DCAA

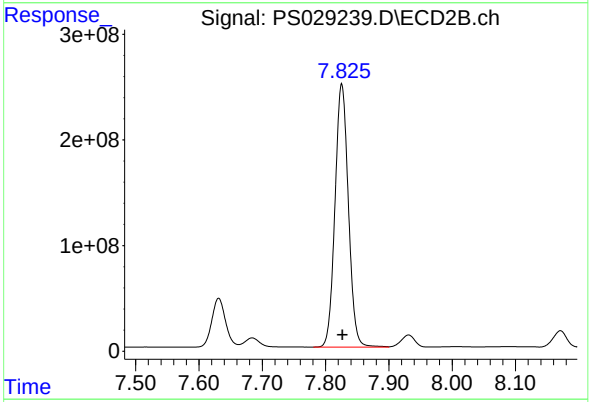
R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 696179041
Conc: 758.41 ng/ml



#5 DICAMBA

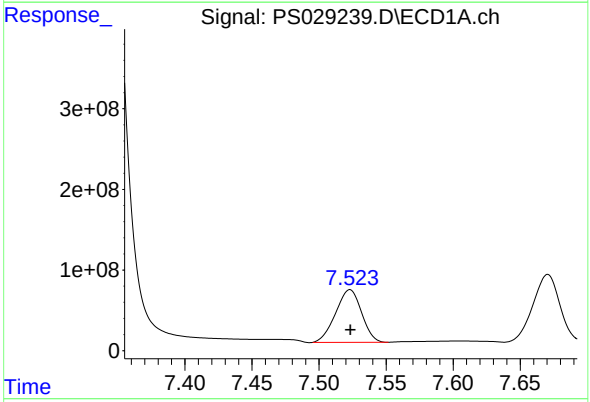
R.T.: 7.342 min
Delta R.T.: -0.001 min
Response: 12149233538
Conc: 716.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS022125



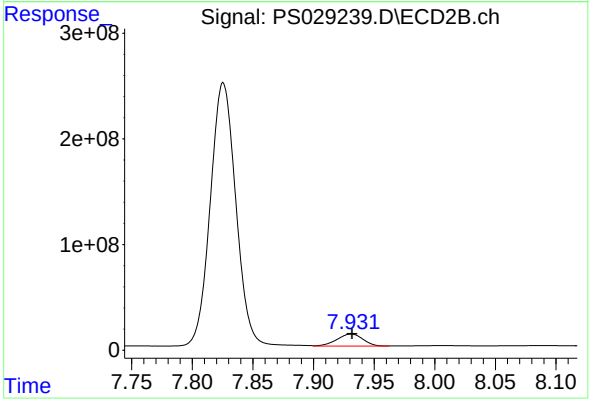
#5 DICAMBA

R.T.: 7.826 min
Delta R.T.: 0.000 min
Response: 3655688320
Conc: 713.31 ng/ml



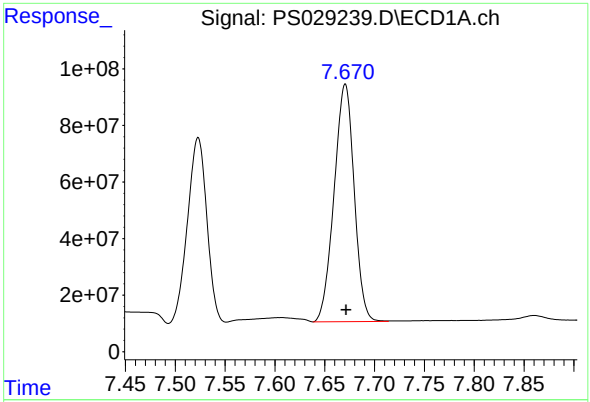
#6 MCPP

R.T.: 7.523 min
Delta R.T.: 0.000 min
Response: 877828120
Conc: 70.81 ug/ml



#6 MCPP

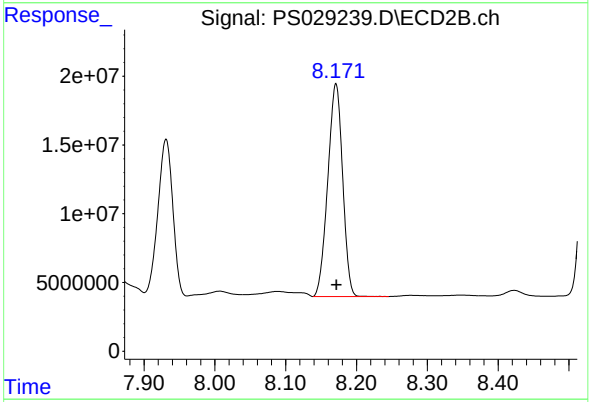
R.T.: 7.931 min
Delta R.T.: 0.000 min
Response: 168100941
Conc: 71.45 ug/ml



#7 MCPA

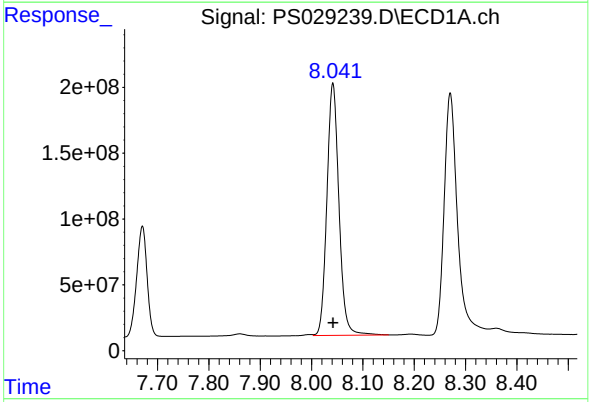
R.T.: 7.671 min
Delta R.T.: 0.000 min
Response: 1179424466
Conc: 70.22 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS022125



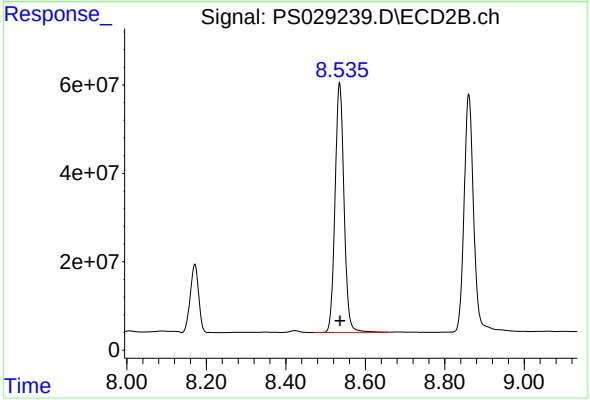
#7 MCPA

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 225507146
Conc: 70.79 ug/ml



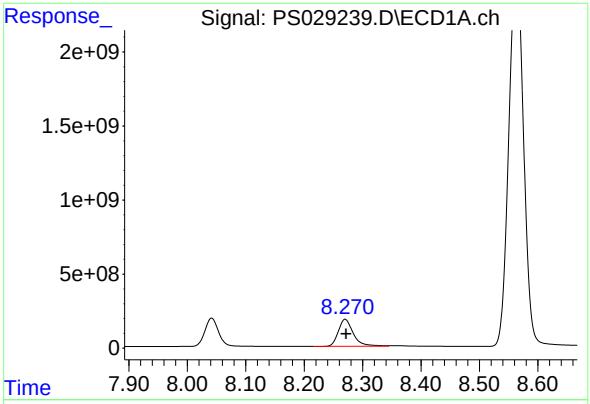
#8 DICHLORPROP

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 3120098229
Conc: 711.60 ng/ml



#8 DICHLORPROP

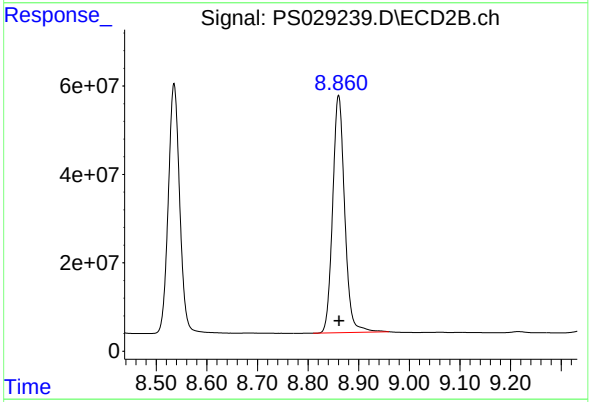
R.T.: 8.535 min
Delta R.T.: -0.001 min
Response: 886785123
Conc: 712.20 ng/ml



#9 2,4-D

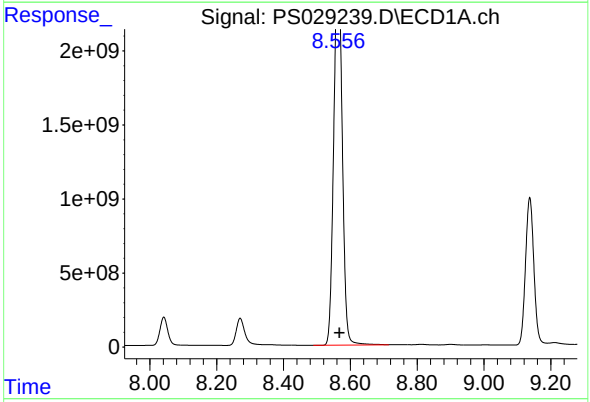
R.T.: 8.270 min
Delta R.T.: -0.001 min
Response: 3260026538
Conc: 712.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS022125



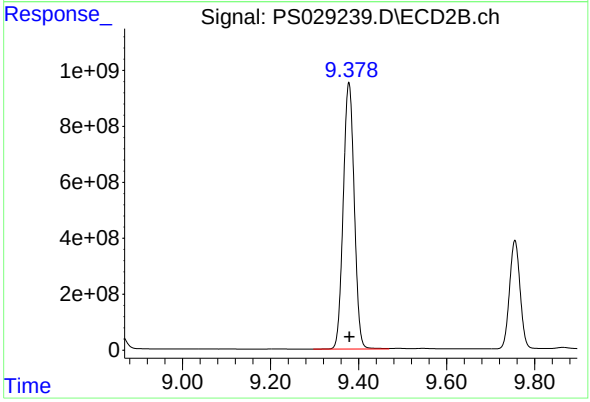
#9 2,4-D

R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 886809454
Conc: 715.19 ng/ml



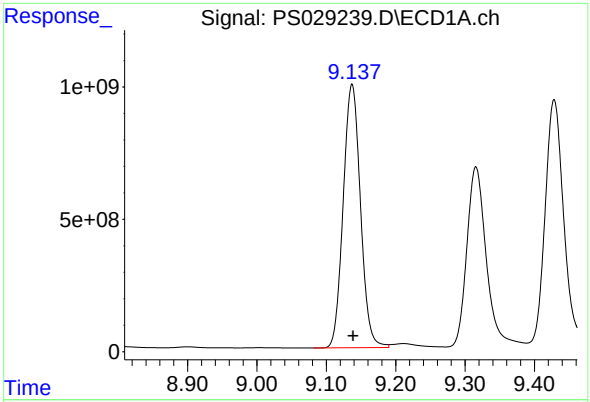
#10 Pentachlorophenol

R.T.: 8.566 min
Delta R.T.: 0.000 min
Response: 42728612521
Conc: 720.10 ng/ml



#10 Pentachlorophenol

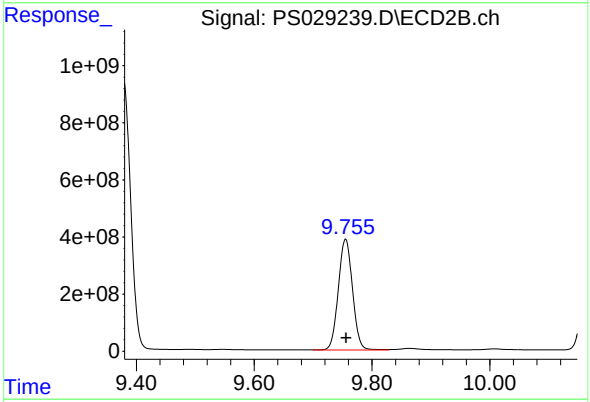
R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 16556037362
Conc: 721.67 ng/ml



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

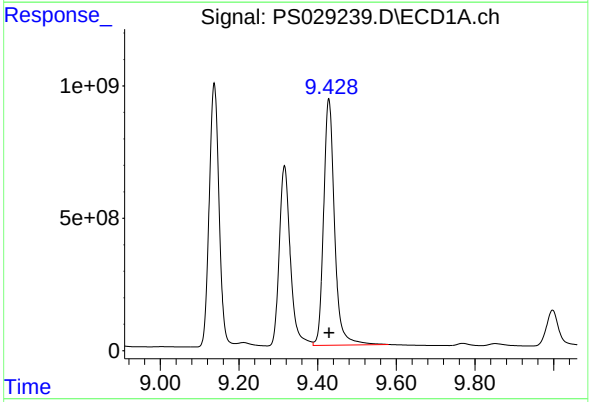
R.T.: 9.137 min
Delta R.T.: -0.001 min
Response: 17209365732
Conc: 718.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS022125



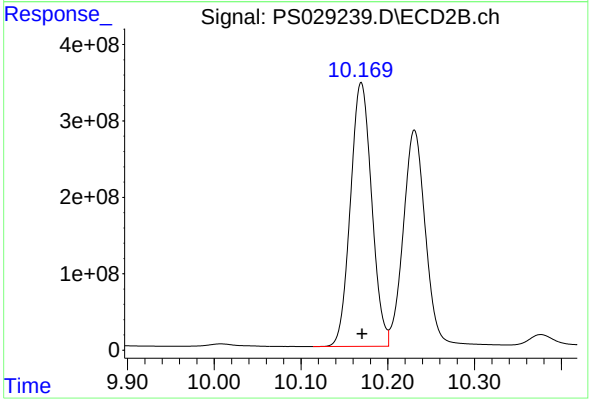
#11 2,4,5-TP (SILVEX)

R.T.: 9.755 min
Delta R.T.: 0.000 min
Response: 6480508039
Conc: 720.37 ng/ml



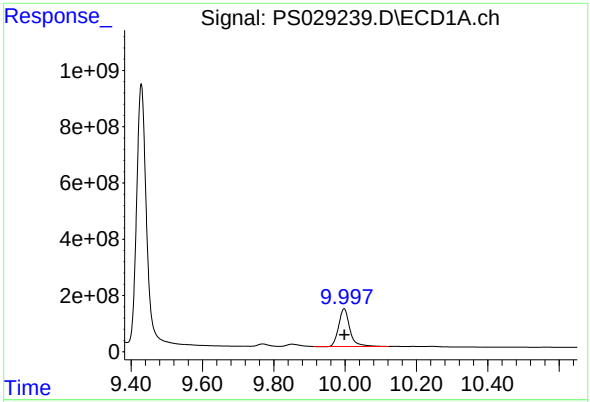
#12 2,4,5-T

R.T.: 9.428 min
Delta R.T.: 0.000 min
Response: 17943611089
Conc: 721.78 ng/ml



#12 2,4,5-T

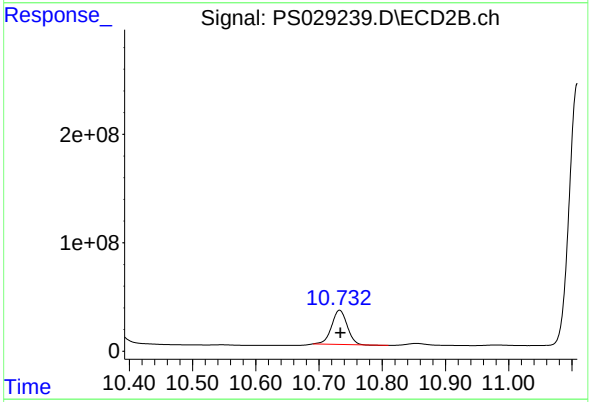
R.T.: 10.169 min
Delta R.T.: -0.001 min
Response: 5874685799
Conc: 719.66 ng/ml



#13 2,4-DB

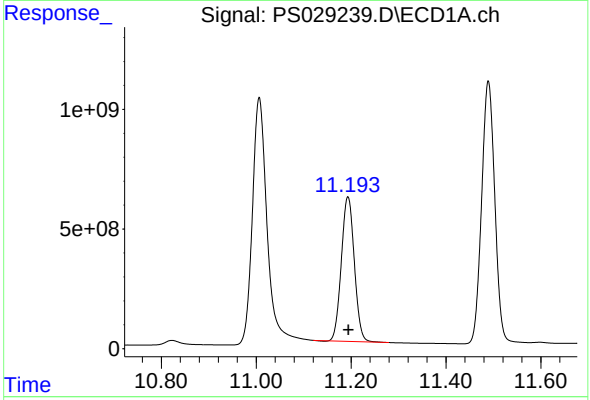
R.T.: 9.997 min
Delta R.T.: 0.000 min
Response: 2931802430
Conc: 716.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS022125



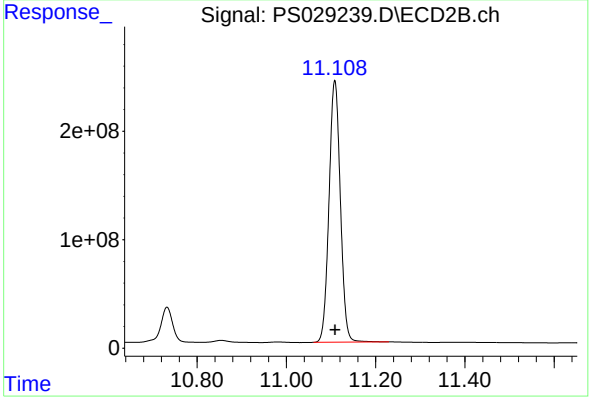
#13 2,4-DB

R.T.: 10.733 min
Delta R.T.: -0.001 min
Response: 536657625
Conc: 715.71 ng/ml



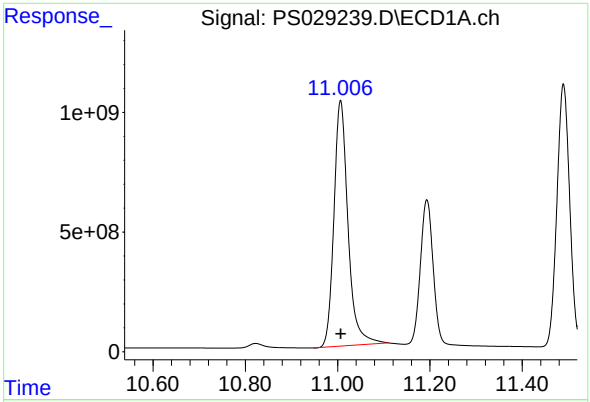
#14 DINOSEB

R.T.: 11.193 min
Delta R.T.: -0.001 min
Response: 11470913455
Conc: 710.24 ng/ml



#14 DINOSEB

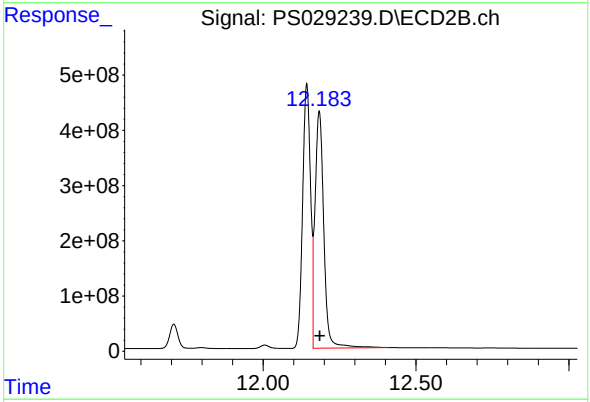
R.T.: 11.109 min
Delta R.T.: 0.000 min
Response: 4251391117
Conc: 713.42 ng/ml



#15 Picloram

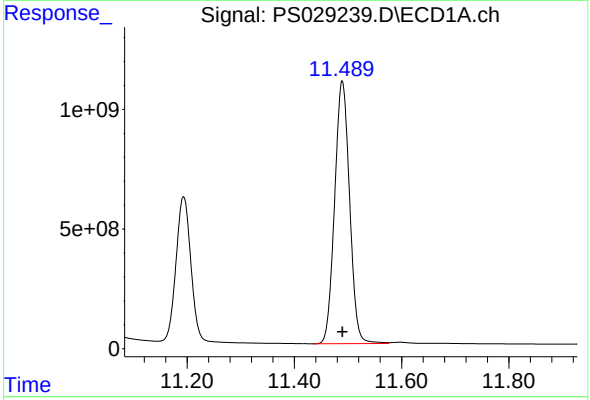
R.T.: 11.006 min
Delta R.T.: 0.000 min
Response: 21726851381
Conc: 716.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS022125



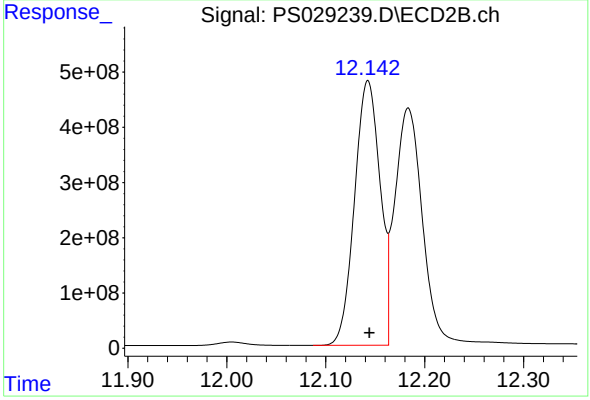
#15 Picloram

R.T.: 12.183 min
Delta R.T.: -0.002 min
Response: 8497319996
Conc: 723.87 ng/ml



#16 DCPA

R.T.: 11.489 min
Delta R.T.: 0.000 min
Response: 21240169581
Conc: 727.19 ng/ml



#16 DCPA

R.T.: 12.143 min
Delta R.T.: -0.001 min
Response: 8598414870
Conc: 726.61 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/21/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 22:44 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.34	7.34	7.24	7.44	0.00
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
Dalapon	2.60	2.60	2.50	2.70	0.00
DICHLORPROP	8.04	8.04	7.94	8.14	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.14	9.14	9.04	9.24	0.00
2,4,5-T	9.43	9.43	9.33	9.53	0.00
2,4-DB	10.00	10.00	9.90	10.10	0.00
Dinoseb	11.19	11.19	11.09	11.29	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/21/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 22:44 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.83	7.83	7.73	7.93	0.00
2,4-DCAA	7.63	7.63	7.53	7.73	0.00
Dalapon	2.65	2.65	2.55	2.75	0.00
DICHLORPROP	8.54	8.54	8.44	8.64	0.01
2,4-D	8.86	8.86	8.76	8.96	0.00
2,4,5-TP(Silvex)	9.76	9.76	9.66	9.86	0.00
2,4,5-T	10.17	10.17	10.07	10.27	0.00
2,4-DB	10.73	10.73	10.63	10.83	0.00
Dinoseb	11.11	11.11	11.01	11.21	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/21/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029241.D **Time Analyzed:** 22:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.428	9.329	9.529	695.300	712.500	-2.4
2,4,5-TP(Silvex)	9.137	9.038	9.238	693.810	712.500	-2.6
2,4-D	8.271	8.171	8.371	677.640	705.000	-3.9
2,4-DB	9.997	9.898	10.098	702.860	712.500	-1.4
2,4-DCAA	7.159	7.060	7.260	720.300	750.000	-4.0
Dalapon	2.599	2.500	2.700	658.620	682.500	-3.5
DICAMBA	7.342	7.243	7.443	690.300	705.000	-2.1
DICHLORPROP	8.042	7.942	8.142	670.150	705.000	-4.9
Dinoseb	11.194	11.094	11.294	687.340	705.000	-2.5

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/21/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029241.D **Time Analyzed:** 22:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.170	10.070	10.270	707.200	712.500	-0.7
2,4,5-TP(Silvex)	9.755	9.656	9.856	708.970	712.500	-0.5
2,4-D	8.861	8.761	8.961	687.930	705.000	-2.4
2,4-DB	10.732	10.634	10.834	690.110	712.500	-3.1
2,4-DCAA	7.631	7.532	7.732	730.910	750.000	-2.5
Dalapon	2.647	2.551	2.751	660.620	682.500	-3.2
DICAMBA	7.826	7.726	7.926	700.940	705.000	-0.6
DICHLORPROP	8.535	8.436	8.636	683.170	705.000	-3.1
Dinoseb	11.109	11.009	11.209	698.050	705.000	-1.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 22:44
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:12:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.159	7.631	2968.1E6	687.3E6	720.305	730.913
	Target Compounds						
1) T	Dalapon	2.599	2.647	3635.8E6	1398.6E6	658.624	660.625
2) T	3,5-DICHL...	6.341	6.603	3965.0E6	966.3E6	677.643	682.384
3) T	4-Nitroph...	6.958	7.161	1569.0E6	528.6E6	670.469	662.803
5) T	DICAMBA	7.342	7.826	11987.8E6	3611.9E6	690.302	700.939
6) T	MCPP	7.523	7.931	874.1E6	167.0E6	70.920	71.399
7) T	MCPA	7.671	8.171	1171.1E6	223.4E6	69.111	70.035
8) T	DICHLORPROP	8.042	8.535	3080.3E6	873.6E6	670.150	683.171
9) T	2,4-D	8.271	8.861	3219.1E6	873.6E6	677.636	687.930
10) T	Pentachlo...	8.567	9.378	42278.7E6	16372.7E6	724.494	711.463
11) T	2,4,5-TP ...	9.137	9.755	17058.5E6	6406.7E6	693.805	708.967
12) T	2,4,5-T	9.428	10.170	17722.2E6	5806.3E6	695.295	707.197
13) T	2,4-DB	9.997	10.732	2934.8E6	528.3E6	702.864	690.107
14) T	DINOSEB	11.194	11.109	11431.0E6	4231.2E6	687.337	698.050
15) T	Picloram	11.006	12.184	21456.4E6	8298.4E6	702.486	717.704
16) T	DCPA	11.489	12.142	21058.6E6	8495.1E6	701.872	717.697

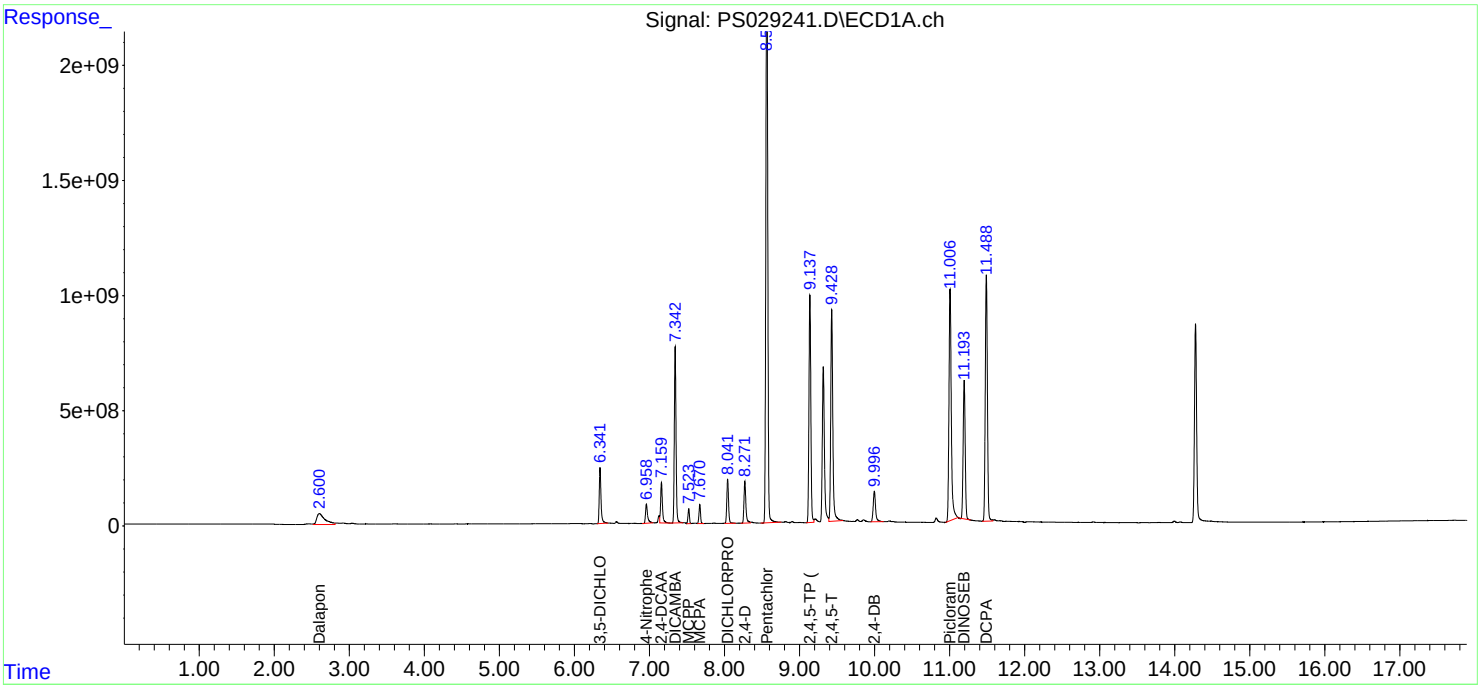
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

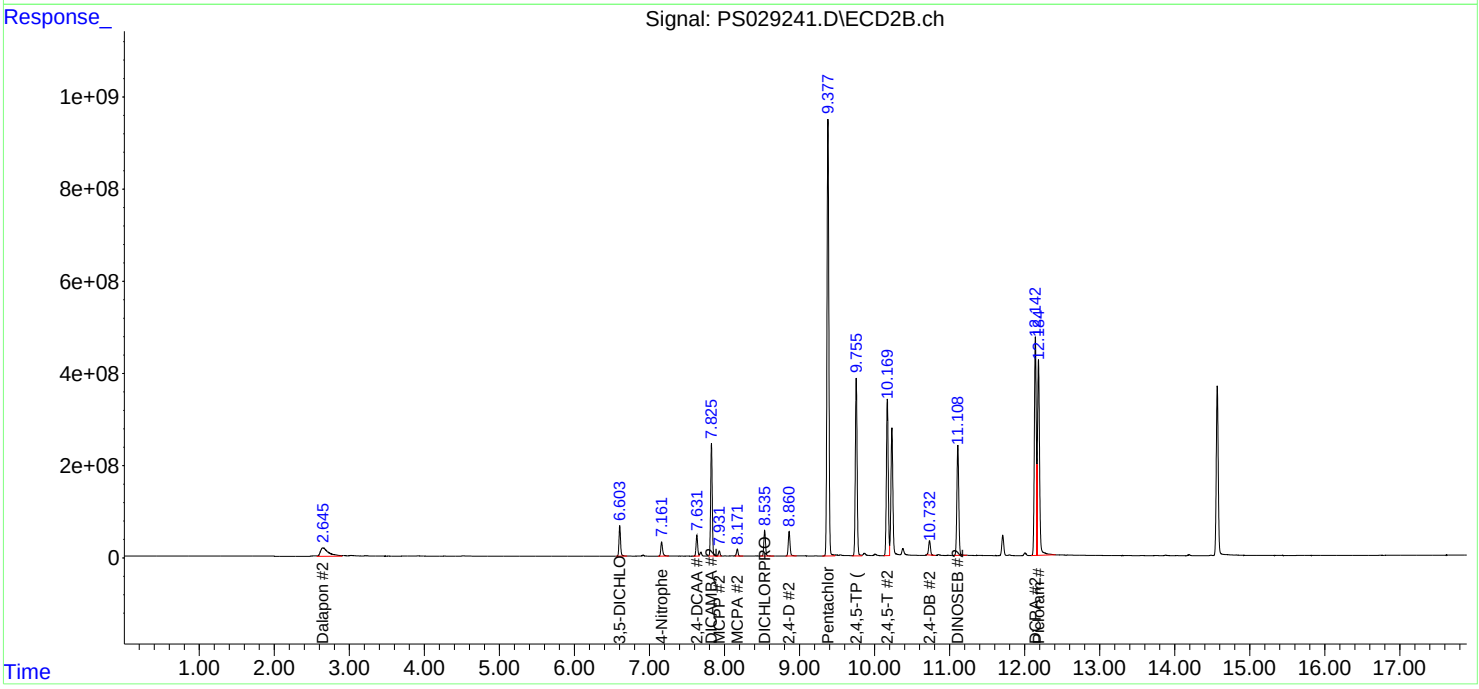
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 22:44
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

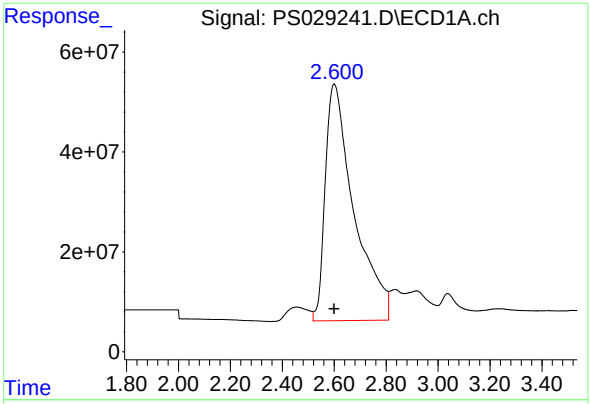
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:12:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



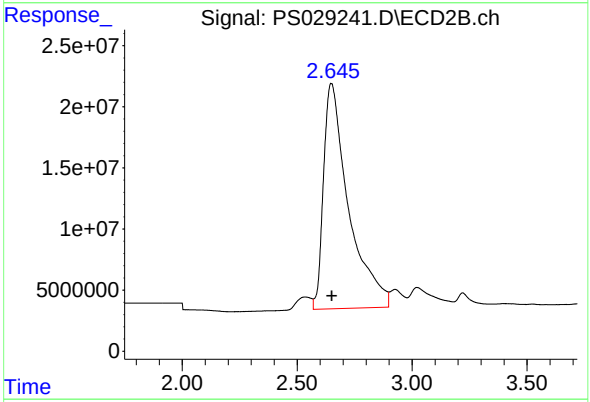




#1 Dalapon

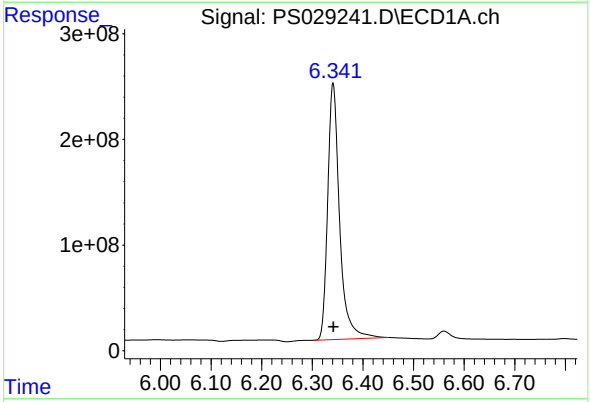
R.T.: 2.599 min
Delta R.T.: 0.000 min
Response: 3635793126
Conc: 658.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



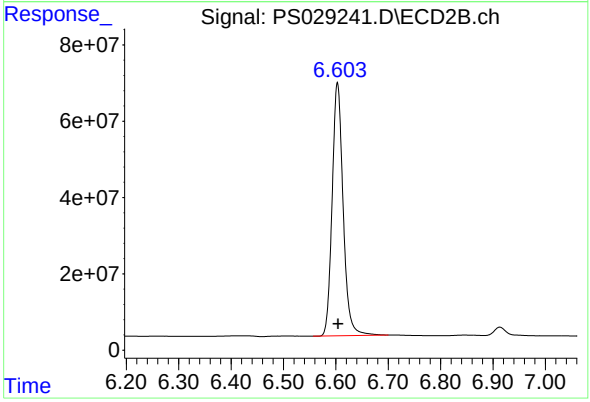
#1 Dalapon

R.T.: 2.647 min
Delta R.T.: -0.004 min
Response: 1398621675
Conc: 660.62 ng/ml



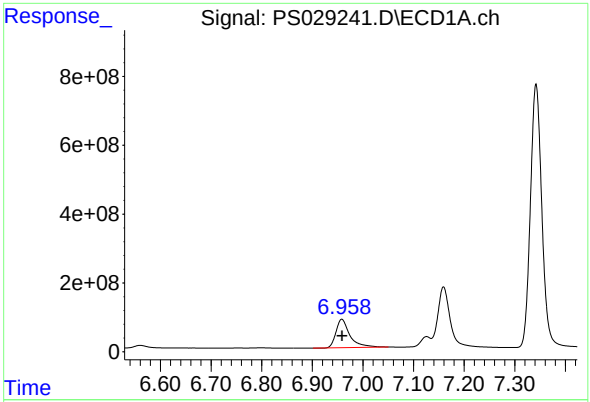
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 3964967682
Conc: 677.64 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

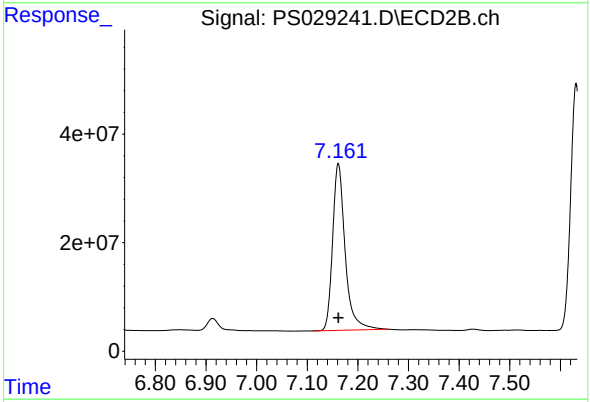
R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 966334032
Conc: 682.38 ng/ml



#3 4-Nitrophenol

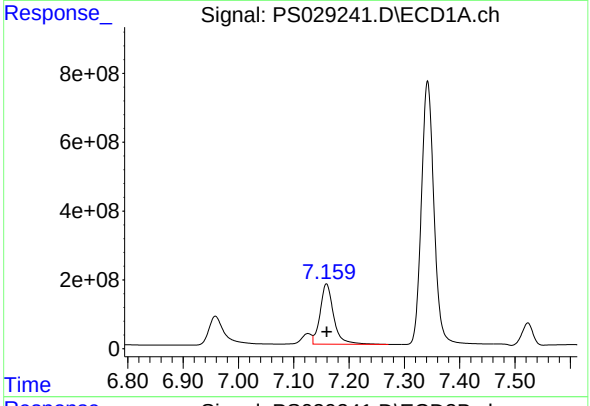
R.T.: 6.958 min
Delta R.T.: 0.000 min
Response: 1569020431
Conc: 670.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



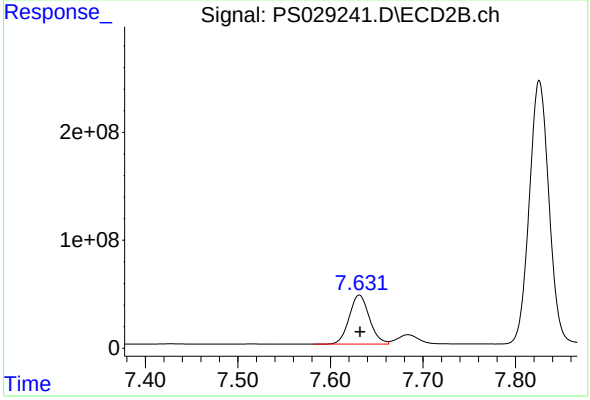
#3 4-Nitrophenol

R.T.: 7.161 min
Delta R.T.: 0.000 min
Response: 528617021
Conc: 662.80 ng/ml



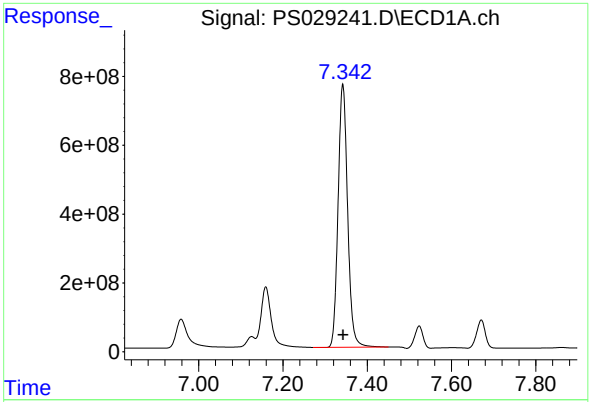
#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 2968072139
Conc: 720.30 ng/ml



#4 2,4-DCAA

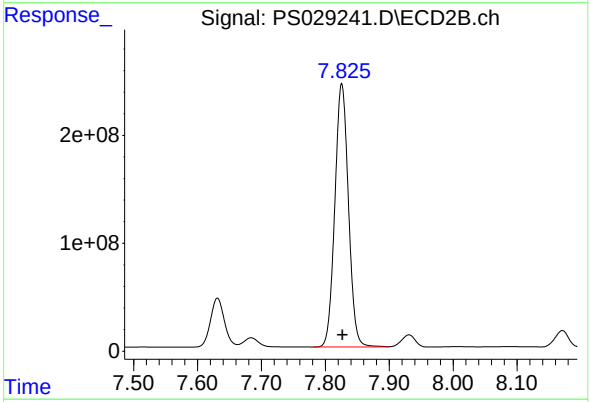
R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 687301202
Conc: 730.91 ng/ml



#5 DICAMBA

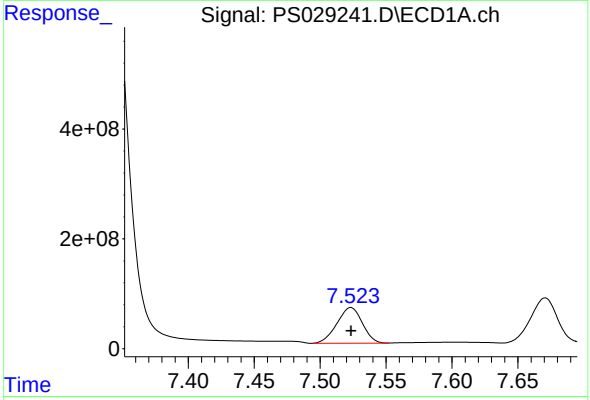
R.T.: 7.342 min
Delta R.T.: 0.000 min
Response: 11987753220
Conc: 690.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



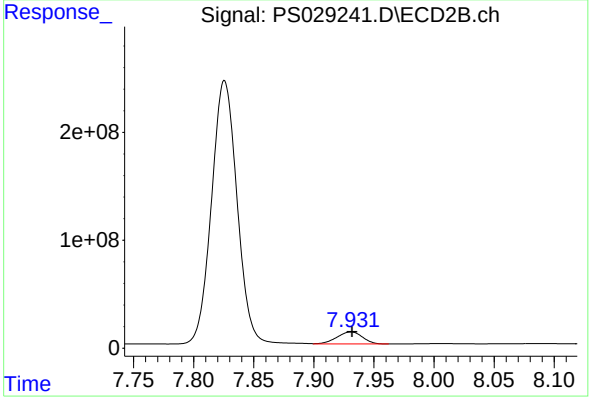
#5 DICAMBA

R.T.: 7.826 min
Delta R.T.: 0.000 min
Response: 3611920209
Conc: 700.94 ng/ml



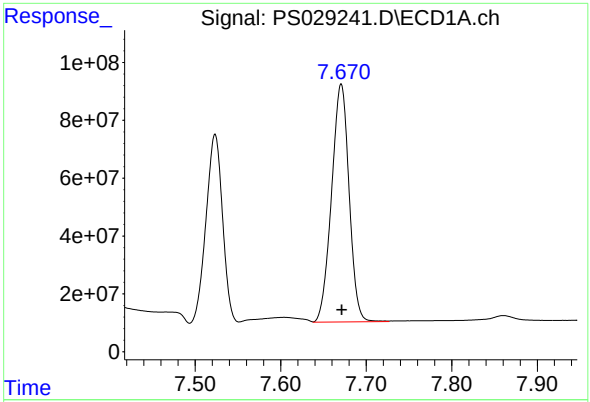
#6 MCPP

R.T.: 7.523 min
Delta R.T.: 0.000 min
Response: 874147640
Conc: 70.92 ug/ml



#6 MCPP

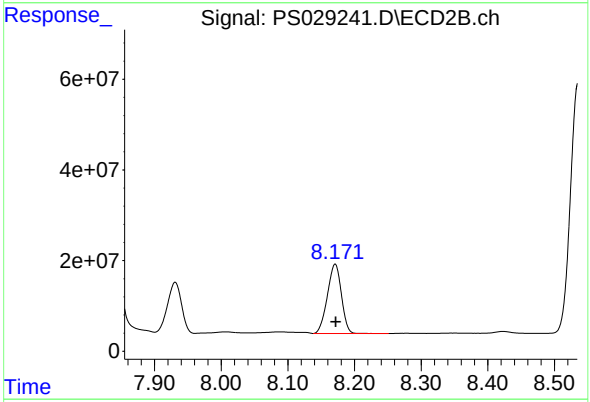
R.T.: 7.931 min
Delta R.T.: -0.001 min
Response: 167013060
Conc: 71.40 ug/ml



#7 MCPA

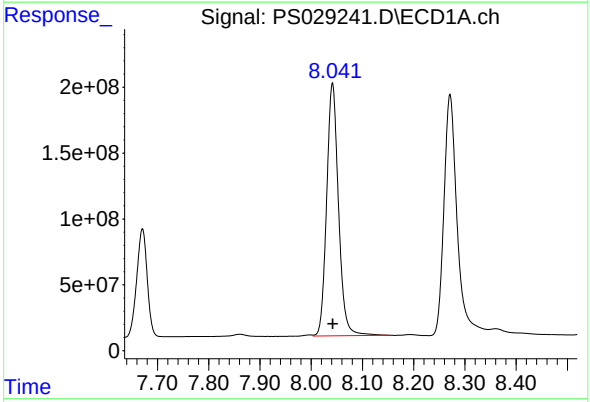
R.T.: 7.671 min
Delta R.T.: 0.000 min
Response: 1171113921
Conc: 69.11 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



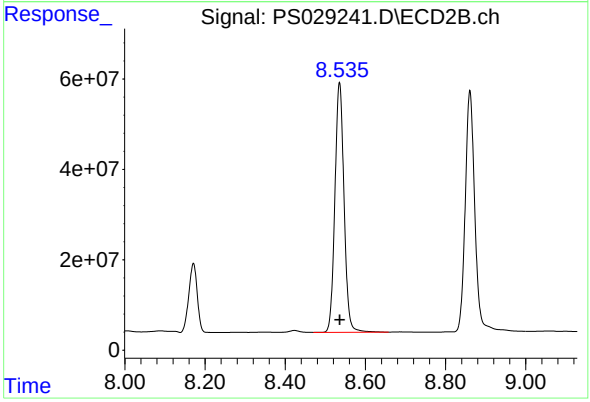
#7 MCPA

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 223390959
Conc: 70.03 ug/ml



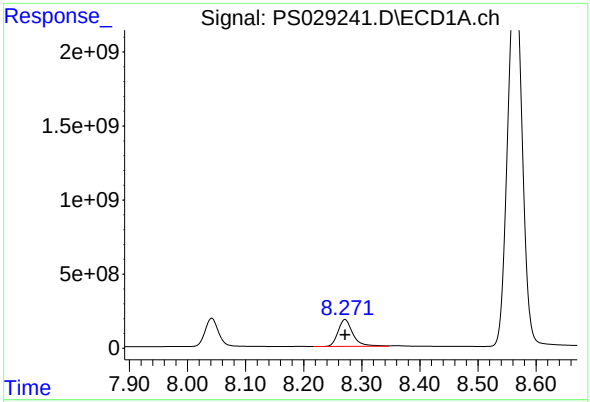
#8 DICHLORPROP

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 3080317614
Conc: 670.15 ng/ml



#8 DICHLORPROP

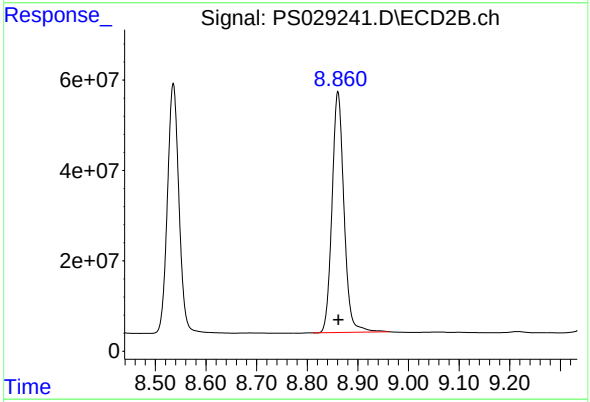
R.T.: 8.535 min
Delta R.T.: 0.000 min
Response: 873612356
Conc: 683.17 ng/ml



#9 2,4-D

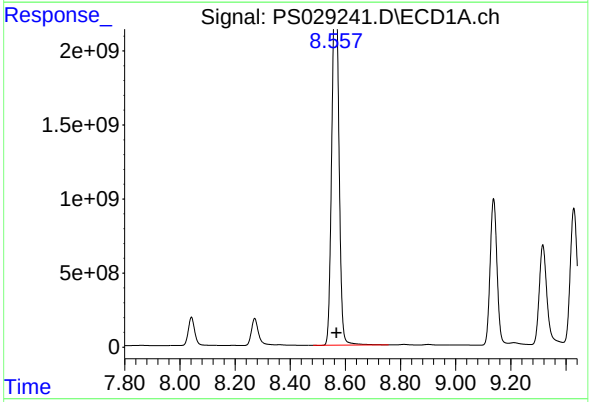
R.T.: 8.271 min
Delta R.T.: 0.000 min
Response: 3219062328
Conc: 677.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



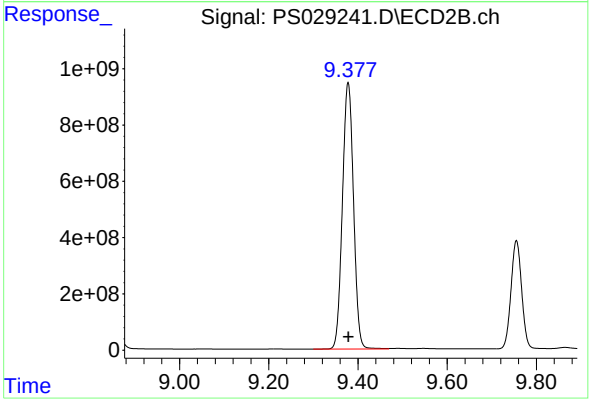
#9 2,4-D

R.T.: 8.861 min
Delta R.T.: 0.000 min
Response: 873598908
Conc: 687.93 ng/ml



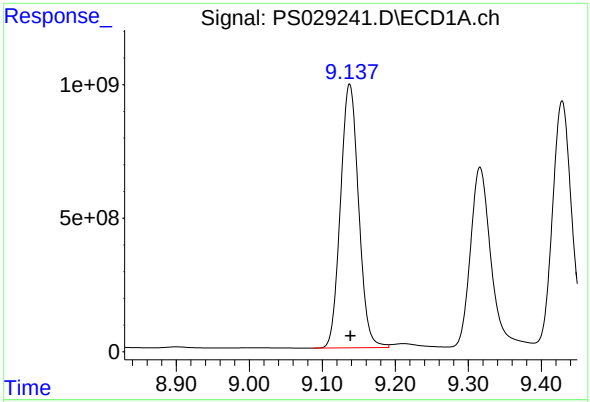
#10 Pentachlorophenol

R.T.: 8.567 min
Delta R.T.: 0.000 min
Response: 42278694768
Conc: 724.49 ng/ml



#10 Pentachlorophenol

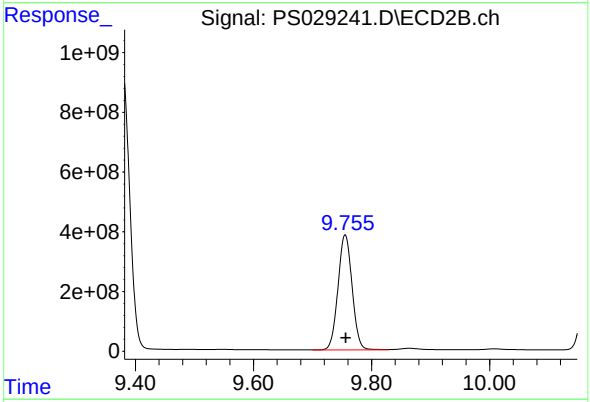
R.T.: 9.378 min
Delta R.T.: 0.000 min
Response: 16372662519
Conc: 711.46 ng/ml



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

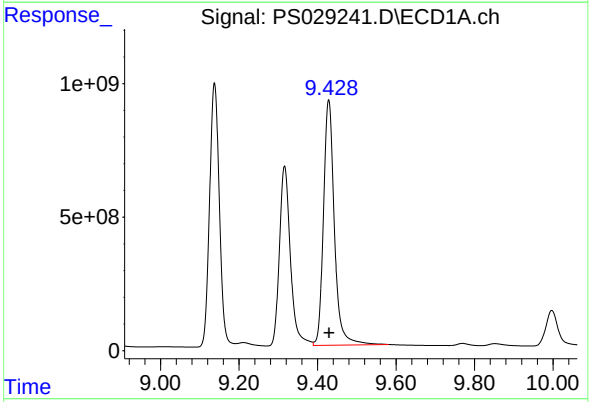
R.T.: 9.137 min
Delta R.T.: 0.000 min
Response: 17058546641
Conc: 693.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



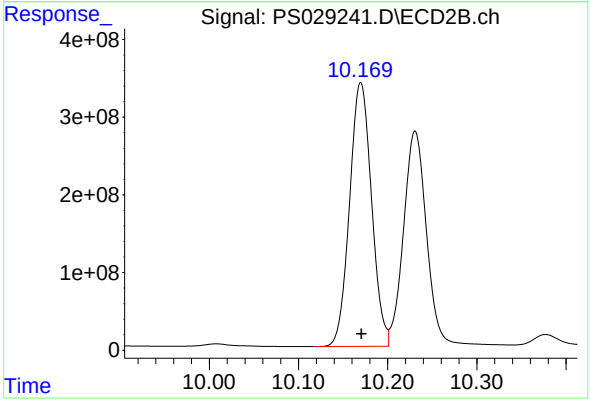
#11 2,4,5-TP (SILVEX)

R.T.: 9.755 min
Delta R.T.: 0.000 min
Response: 6406725261
Conc: 708.97 ng/ml



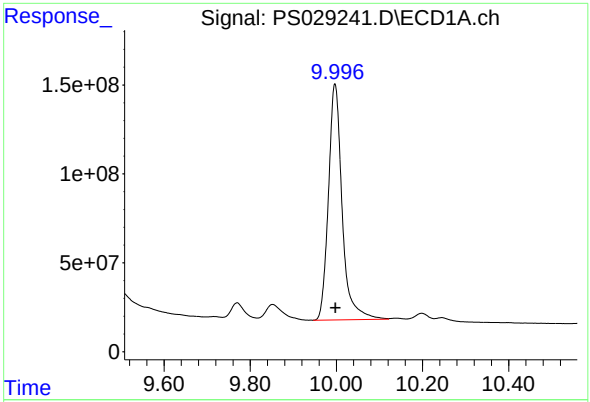
#12 2,4,5-T

R.T.: 9.428 min
Delta R.T.: 0.000 min
Response: 17722181698
Conc: 695.30 ng/ml



#12 2,4,5-T

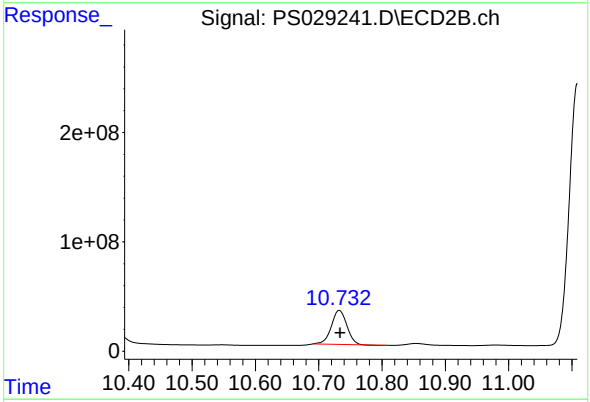
R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 5806295659
Conc: 707.20 ng/ml



#13 2,4-DB

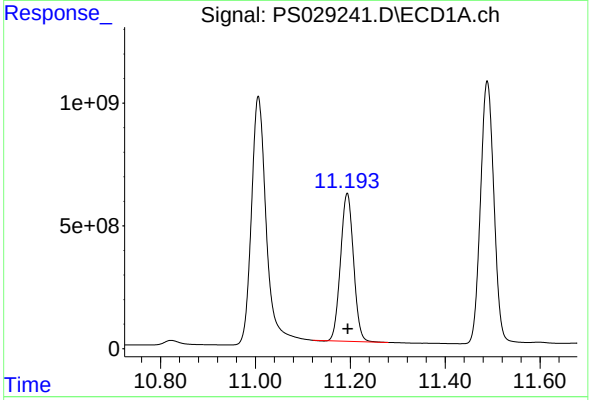
R.T.: 9.997 min
Delta R.T.: -0.002 min
Response: 2934759238
Conc: 702.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



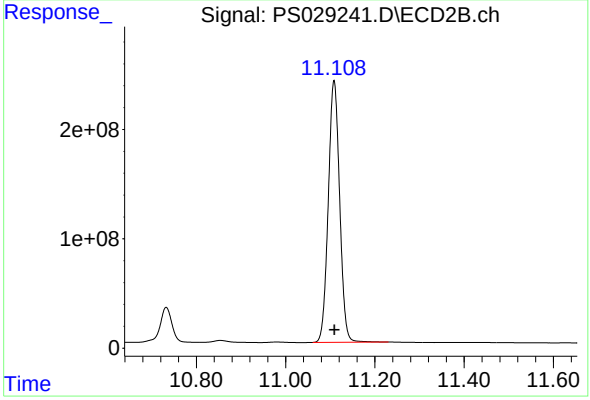
#13 2,4-DB

R.T.: 10.732 min
Delta R.T.: -0.001 min
Response: 528340073
Conc: 690.11 ng/ml



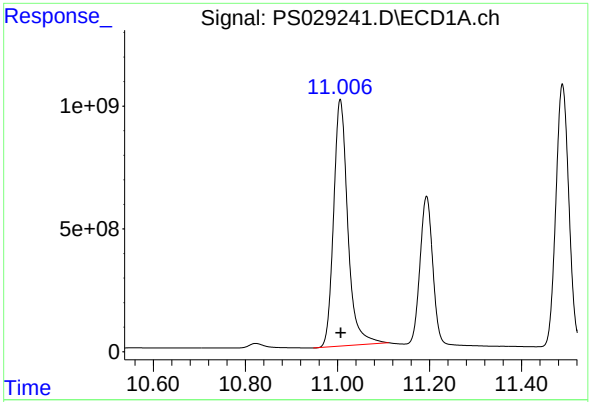
#14 DINOSEB

R.T.: 11.194 min
Delta R.T.: 0.000 min
Response: 11430982611
Conc: 687.34 ng/ml



#14 DINOSEB

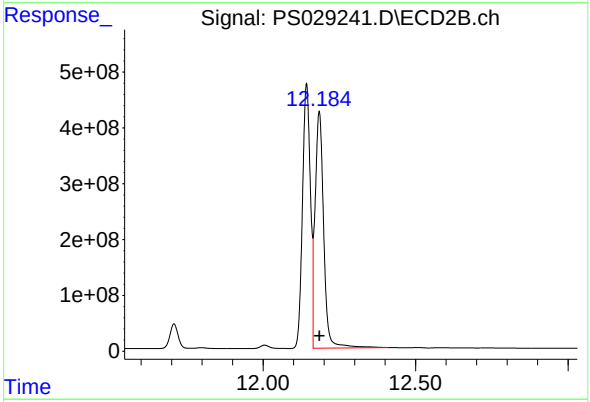
R.T.: 11.109 min
Delta R.T.: 0.000 min
Response: 4231248736
Conc: 698.05 ng/ml



#15 Picloram

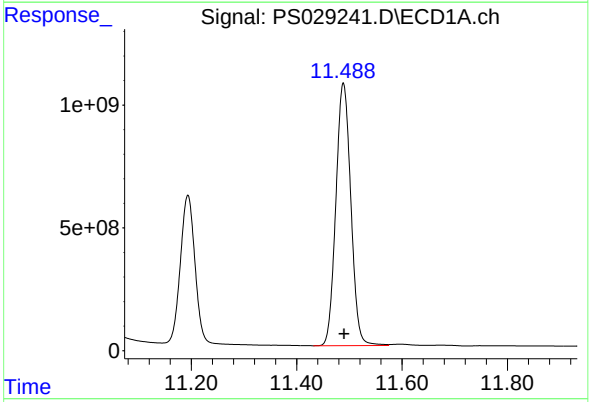
R.T.: 11.006 min
Delta R.T.: 0.000 min
Response: 21456386885
Conc: 702.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



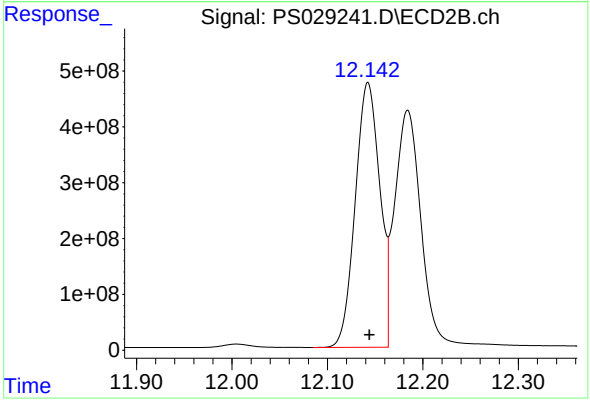
#15 Picloram

R.T.: 12.184 min
Delta R.T.: 0.000 min
Response: 8298405574
Conc: 717.70 ng/ml



#16 DCPA

R.T.: 11.489 min
Delta R.T.: -0.001 min
Response: 21058611668
Conc: 701.87 ng/ml



#16 DCPA

R.T.: 12.142 min
Delta R.T.: -0.002 min
Response: 8495053781
Conc: 717.70 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/22/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 03:08 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.34	7.34	7.24	7.44	0.00
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
Dalapon	2.60	2.60	2.50	2.70	0.00
DICHLORPROP	8.04	8.04	7.94	8.14	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.14	9.14	9.04	9.24	0.00
2,4,5-T	9.43	9.43	9.33	9.53	0.00
2,4-DB	10.00	10.00	9.90	10.10	0.00
Dinoseb	11.19	11.19	11.09	11.29	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/22/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 03:08 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.83	7.83	7.73	7.93	0.01
2,4-DCAA	7.63	7.63	7.53	7.73	0.00
Dalapon	2.65	2.65	2.55	2.75	0.00
DICHLORPROP	8.54	8.54	8.44	8.64	0.01
2,4-D	8.86	8.86	8.76	8.96	0.00
2,4,5-TP(Silvex)	9.75	9.76	9.66	9.86	0.01
2,4,5-T	10.17	10.17	10.07	10.27	0.00
2,4-DB	10.73	10.73	10.63	10.83	0.00
Dinoseb	11.11	11.11	11.01	11.21	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/22/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029252.D **Time Analyzed:** 03:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.428	9.329	9.529	705.420	712.500	-1.0
2,4,5-TP(Silvex)	9.137	9.038	9.238	704.100	712.500	-1.2
2,4-D	8.270	8.171	8.371	689.170	705.000	-2.2
2,4-DB	9.997	9.898	10.098	705.390	712.500	-1.0
2,4-DCAA	7.159	7.060	7.260	732.950	750.000	-2.3
Dalapon	2.598	2.500	2.700	659.270	682.500	-3.4
DICAMBA	7.342	7.243	7.443	700.100	705.000	-0.7
DICHLORPROP	8.041	7.942	8.142	681.040	705.000	-3.4
Dinoseb	11.193	11.094	11.294	695.210	705.000	-1.4

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/22/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029252.D **Time Analyzed:** 03:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.169	10.070	10.270	720.010	712.500	1.1
2,4,5-TP(Silvex)	9.754	9.656	9.856	720.050	712.500	1.1
2,4-D	8.860	8.761	8.961	703.860	705.000	-0.2
2,4-DB	10.732	10.634	10.834	702.690	712.500	-1.4
2,4-DCAA	7.630	7.532	7.732	744.150	750.000	-0.8
Dalapon	2.649	2.551	2.751	660.090	682.500	-3.3
DICAMBA	7.825	7.726	7.926	712.870	705.000	1.1
DICHLORPROP	8.535	8.436	8.636	700.090	705.000	-0.7
Dinoseb	11.108	11.009	11.209	705.230	705.000	0.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 03:08
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:17:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.159	7.630	3020.2E6	699.7E6	732.947	744.149
	Target Compounds						
1) T	Dalapon	2.598	2.649	3639.4E6	1397.5E6	659.269	660.088
2) T	3,5-DICHL...	6.341	6.603	4036.7E6	982.1E6	689.910	693.514
3) T	4-Nitroph...	6.958	7.161	1605.4E6	540.5E6	686.023	677.710
5) T	DICAMBA	7.342	7.825	12158.0E6	3673.4E6	700.104	712.872
6) T	MCPP	7.523	7.930	876.2E6	167.0E6	71.088	71.399
7) T	MCPA	7.671	8.171	1178.7E6	224.8E6	69.560	70.480
8) T	DICHLORPROP	8.041	8.535	3130.4E6	895.2E6	681.044	700.086
9) T	2,4-D	8.270	8.860	3273.8E6	893.8E6	689.167	703.862
10) T	Pentachlo...	8.566	9.377	42835.5E6	16618.7E6	734.036	722.152
11) T	2,4,5-TP ...	9.137	9.754	17311.6E6	6506.9E6	704.097	720.047
12) T	2,4,5-T	9.428	10.169	17980.2E6	5911.5E6	705.417	720.014
13) T	2,4-DB	9.997	10.732	2945.3E6	538.0E6	705.385	702.692
14) T	DINOSEB	11.193	11.108	11561.9E6	4274.8E6	695.211	705.228
15) T	Picloram	11.006	12.183	20880.4E6	7977.3E6	683.629	689.932
16) T	DCPA	11.488	12.141	21295.3E6	8685.2E6	709.761	733.759

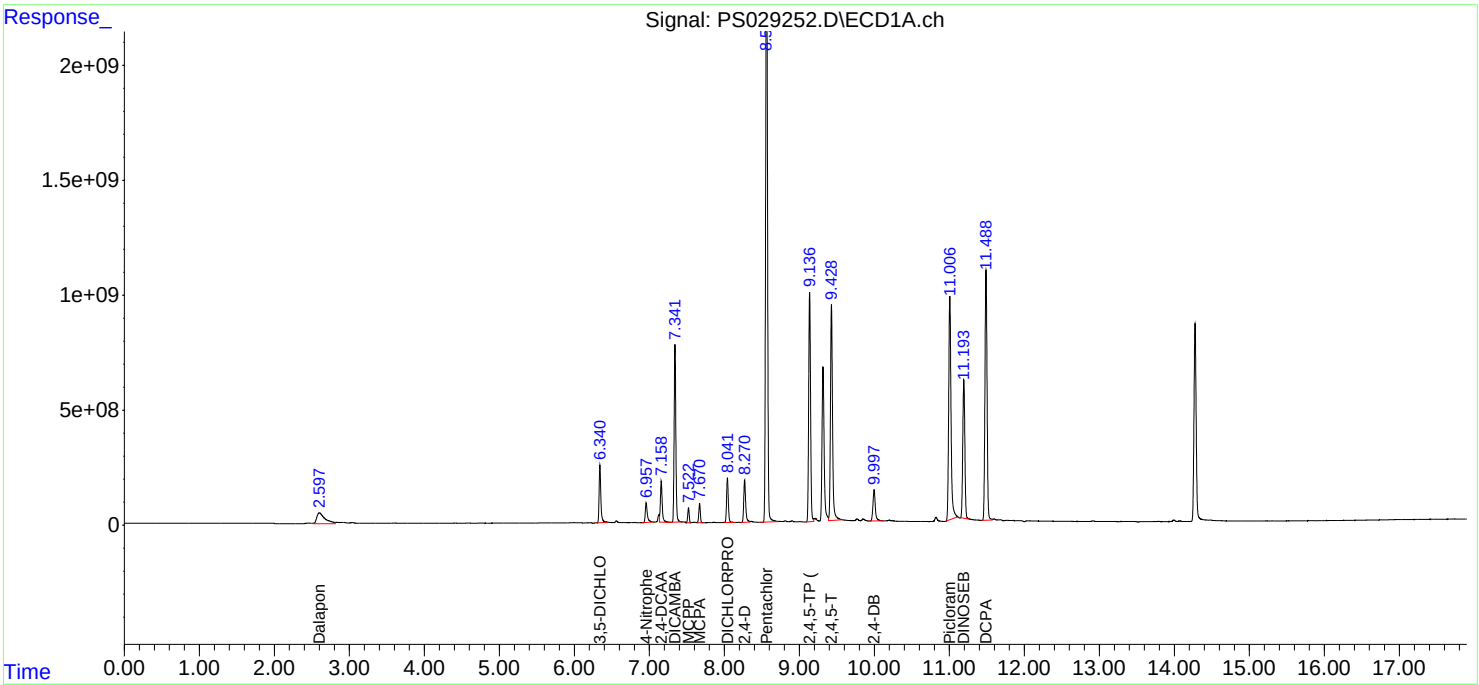
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

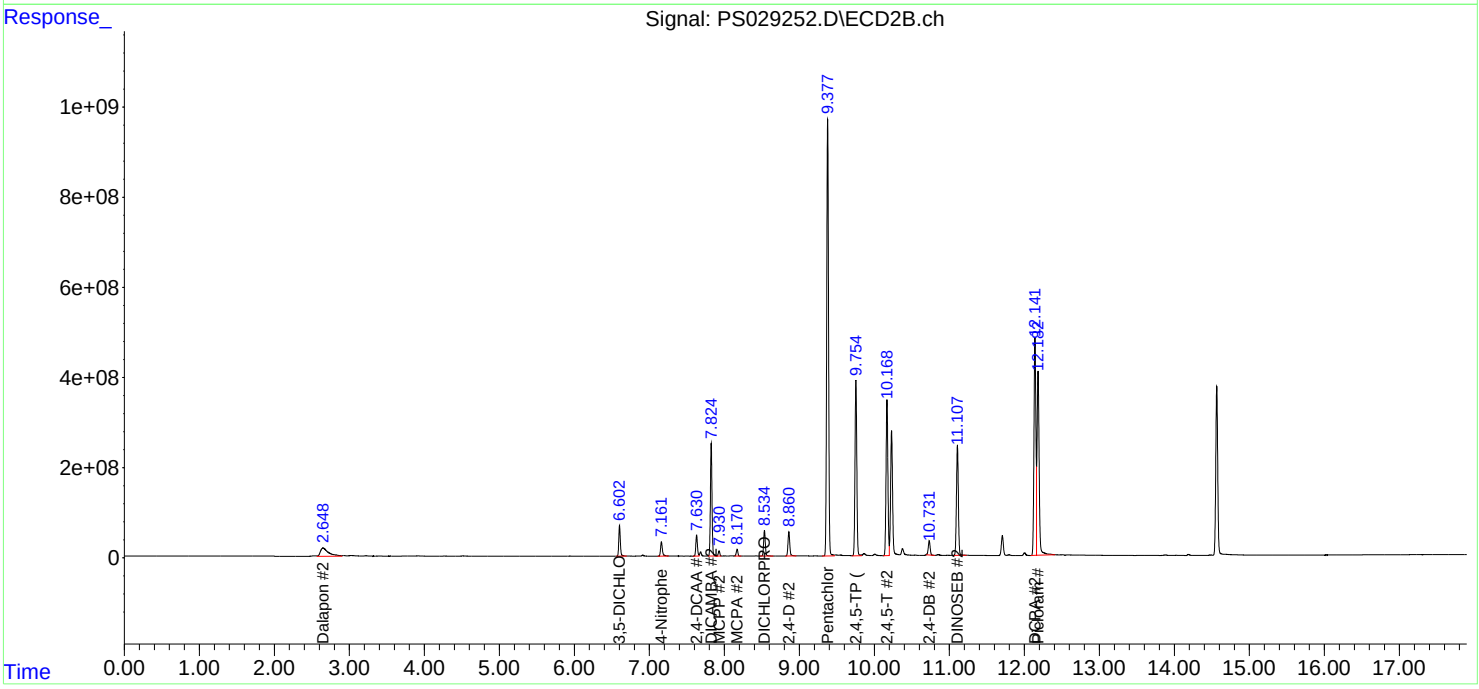
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 03:08
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

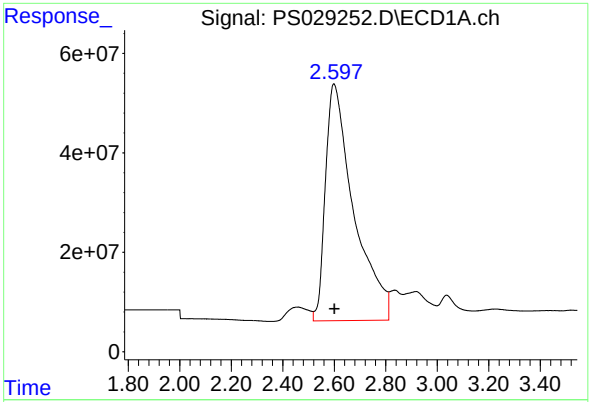
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:17:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



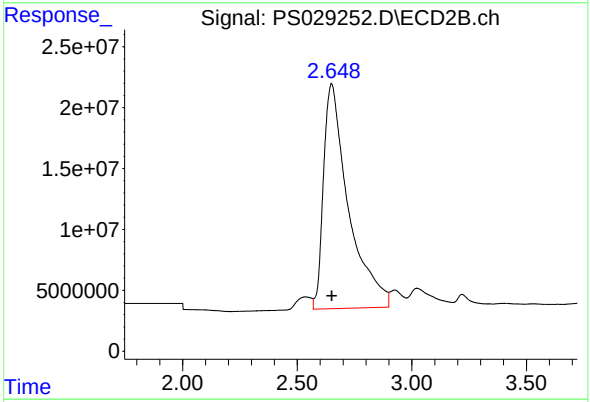




#1 Dalapon

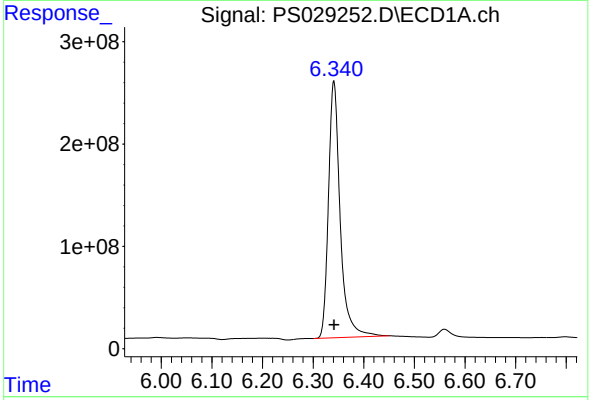
R.T.: 2.598 min
Delta R.T.: -0.002 min
Response: 3639352515
Conc: 659.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



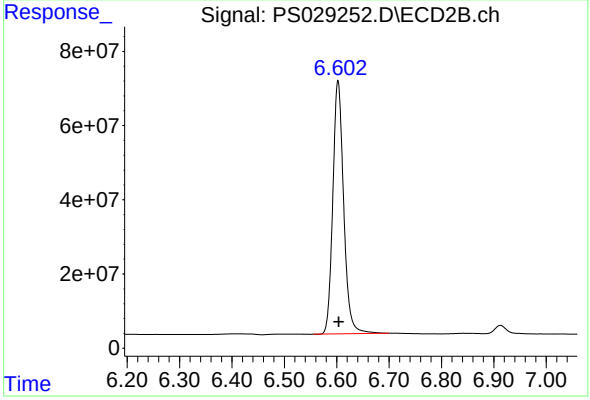
#1 Dalapon

R.T.: 2.649 min
Delta R.T.: -0.002 min
Response: 1397485860
Conc: 660.09 ng/ml



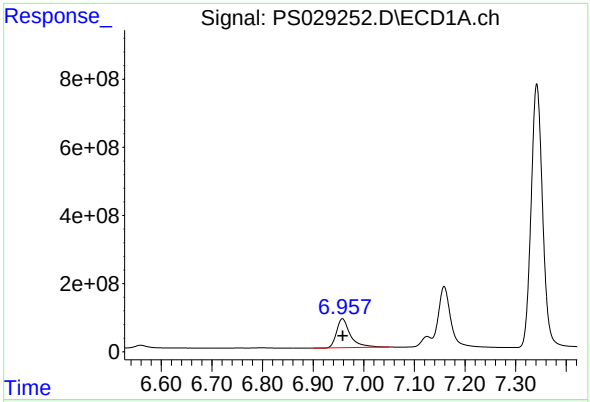
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 4036743473
Conc: 689.91 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

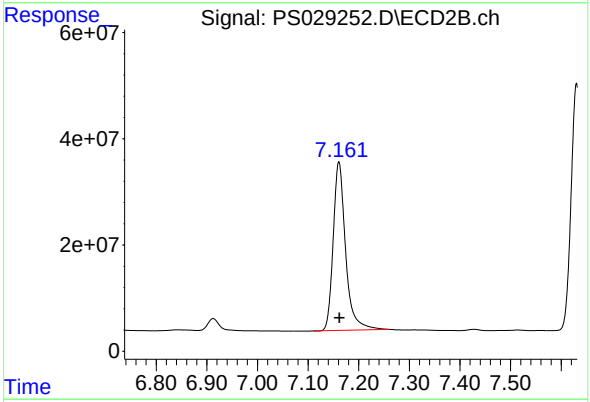
R.T.: 6.603 min
Delta R.T.: -0.002 min
Response: 982094875
Conc: 693.51 ng/ml



#3 4-Nitrophenol

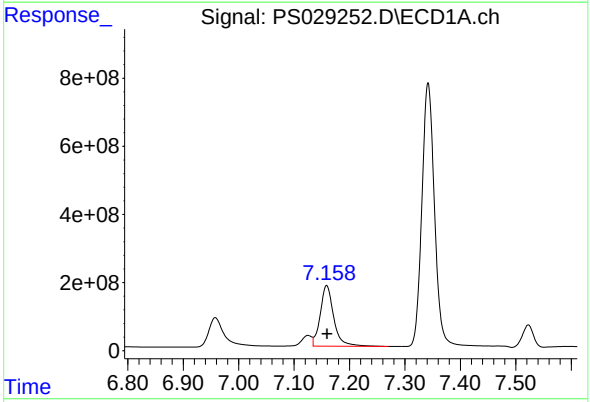
R.T.: 6.958 min
Delta R.T.: 0.000 min
Response: 1605419418
Conc: 686.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



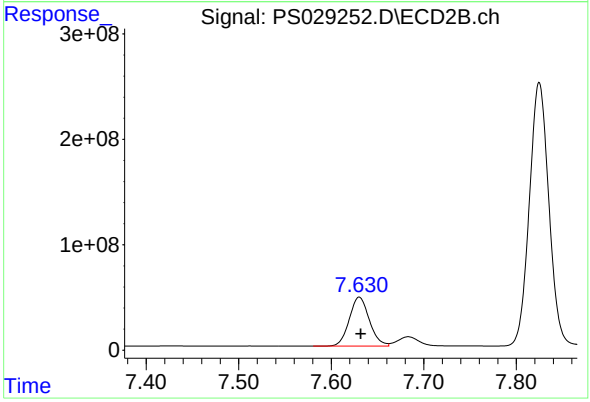
#3 4-Nitrophenol

R.T.: 7.161 min
Delta R.T.: -0.001 min
Response: 540506350
Conc: 677.71 ng/ml



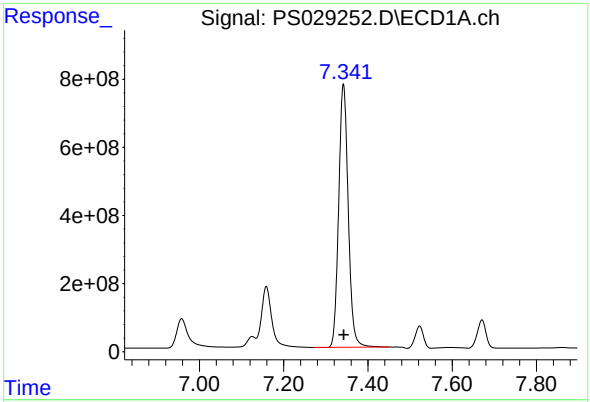
#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: -0.001 min
Response: 3020164139
Conc: 732.95 ng/ml



#4 2,4-DCAA

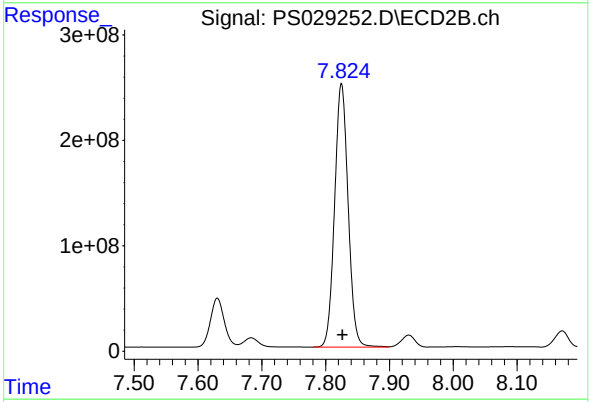
R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 699747339
Conc: 744.15 ng/ml



#5 DICAMBA

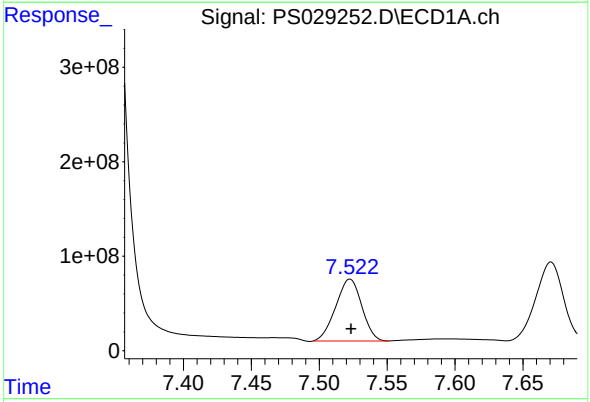
R.T.: 7.342 min
Delta R.T.: 0.000 min
Response: 12157977516
Conc: 700.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



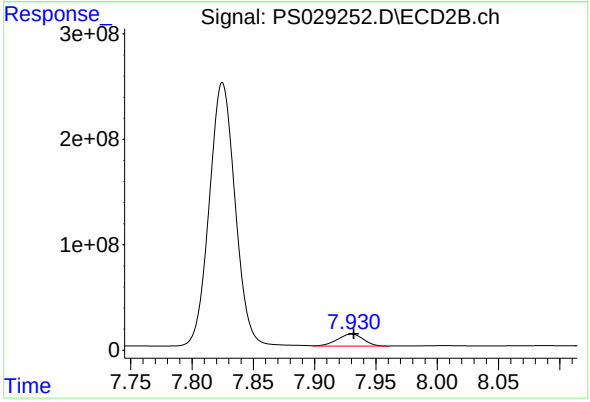
#5 DICAMBA

R.T.: 7.825 min
Delta R.T.: -0.002 min
Response: 3673405526
Conc: 712.87 ng/ml



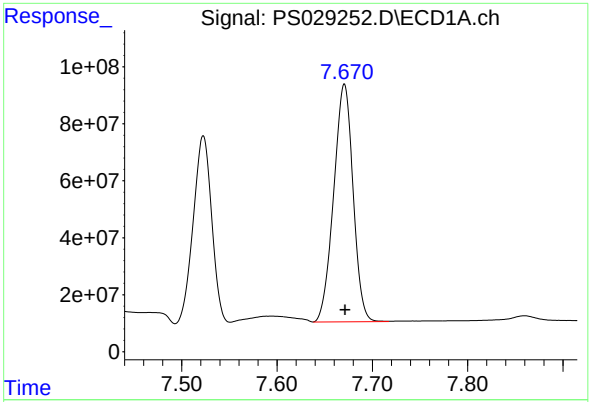
#6 MCPP

R.T.: 7.523 min
Delta R.T.: 0.000 min
Response: 876210648
Conc: 71.09 ug/ml



#6 MCPP

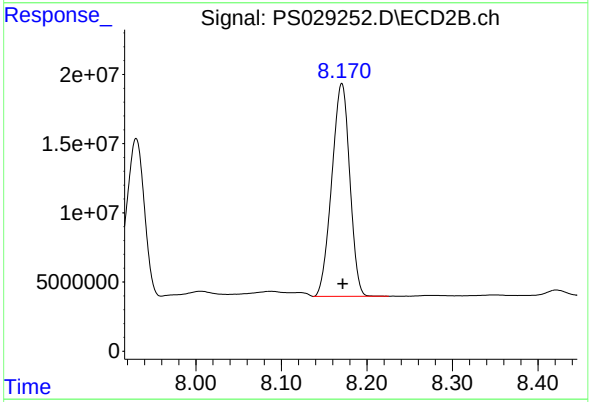
R.T.: 7.930 min
Delta R.T.: -0.002 min
Response: 167013014
Conc: 71.40 ug/ml



#7 MCPA

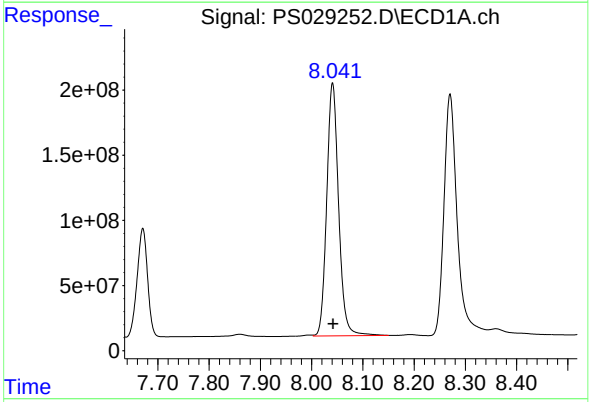
R.T.: 7.671 min
Delta R.T.: 0.000 min
Response: 1178721644
Conc: 69.56 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



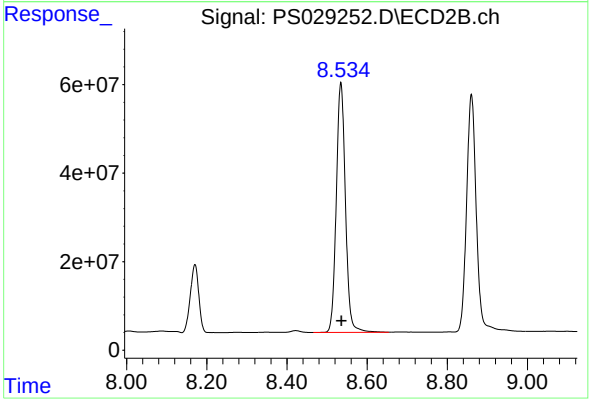
#7 MCPA

R.T.: 8.171 min
Delta R.T.: -0.001 min
Response: 224810677
Conc: 70.48 ug/ml



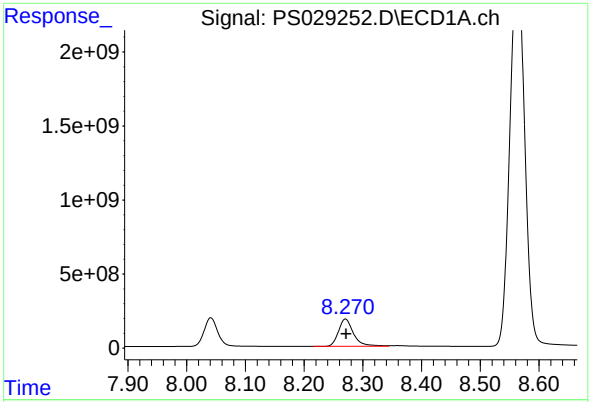
#8 DICHLORPROP

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 3130391805
Conc: 681.04 ng/ml



#8 DICHLORPROP

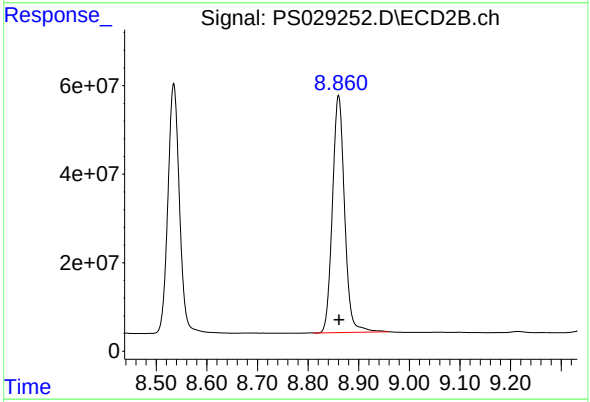
R.T.: 8.535 min
Delta R.T.: -0.002 min
Response: 895241532
Conc: 700.09 ng/ml



#9 2,4-D

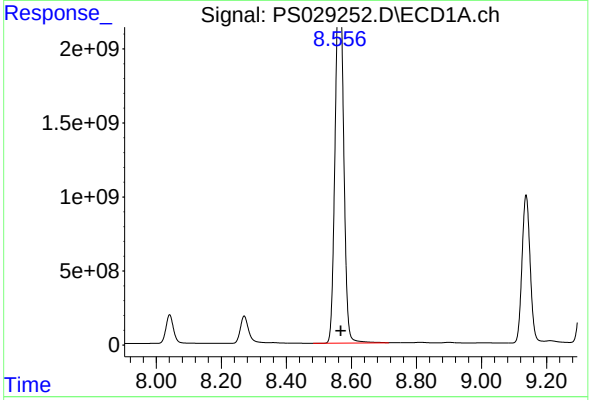
R.T.: 8.270 min
Delta R.T.: -0.001 min
Response: 3273838218
Conc: 689.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



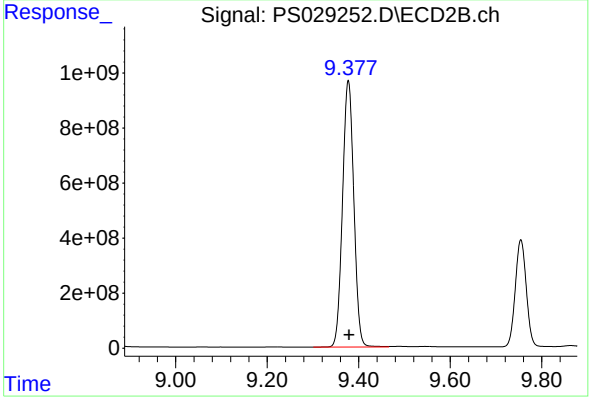
#9 2,4-D

R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 893831502
Conc: 703.86 ng/ml



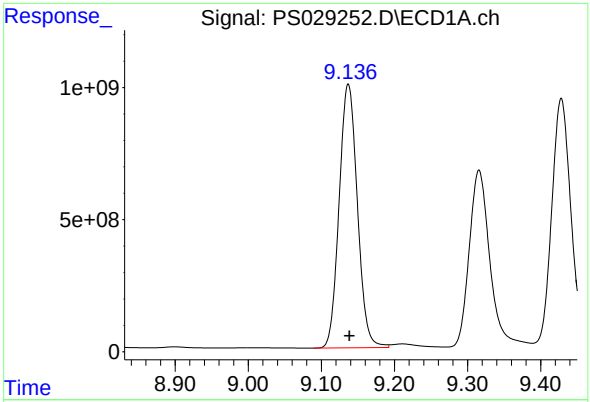
#10 Pentachlorophenol

R.T.: 8.566 min
Delta R.T.: 0.000 min
Response: 42835515817
Conc: 734.04 ng/ml



#10 Pentachlorophenol

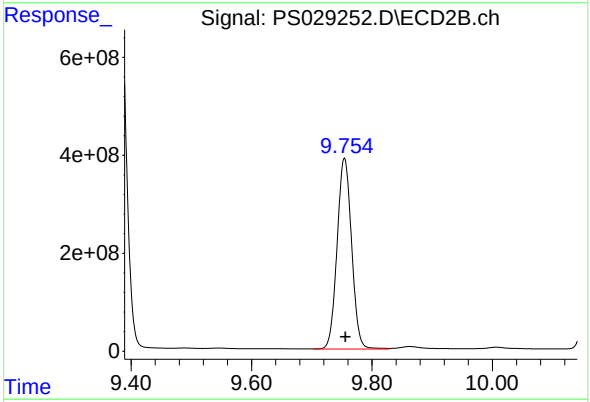
R.T.: 9.377 min
Delta R.T.: -0.002 min
Response: 16618662230
Conc: 722.15 ng/ml



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

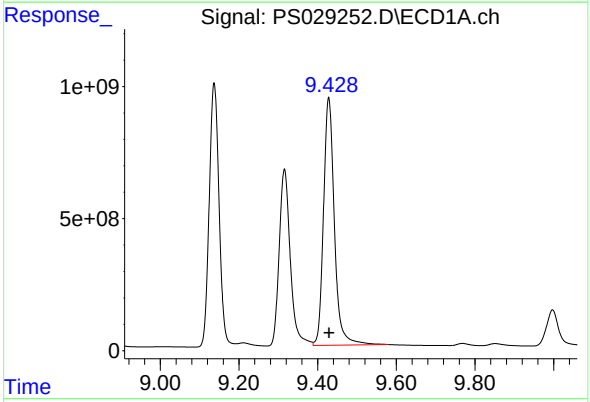
R.T.: 9.137 min
Delta R.T.: -0.002 min
Response: 17311578137
Conc: 704.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



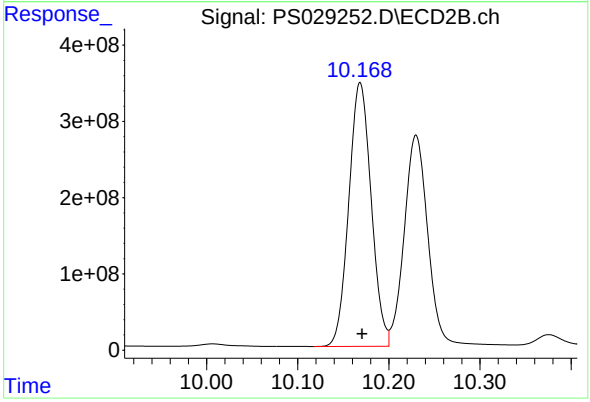
#11 2,4,5-TP (SILVEX)

R.T.: 9.754 min
Delta R.T.: -0.002 min
Response: 6506852909
Conc: 720.05 ng/ml



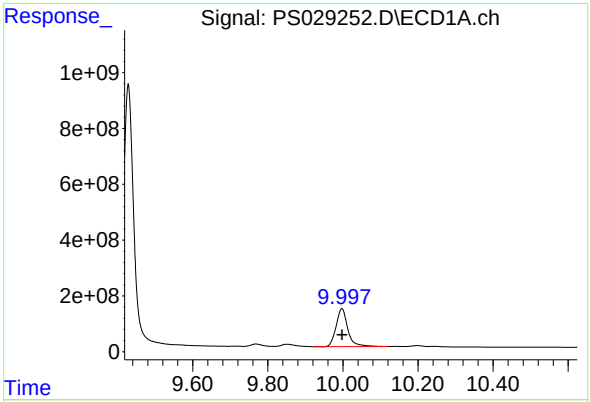
#12 2,4,5-T

R.T.: 9.428 min
Delta R.T.: 0.000 min
Response: 17980166572
Conc: 705.42 ng/ml



#12 2,4,5-T

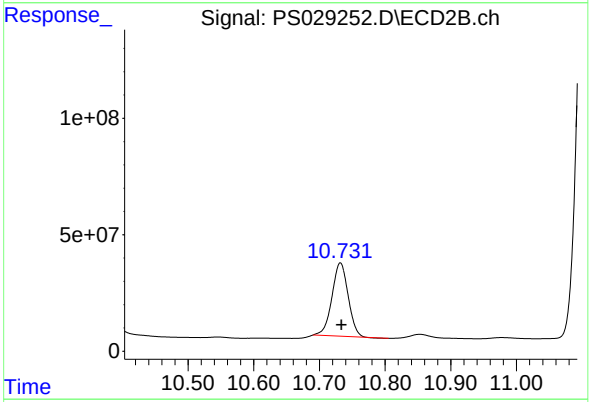
R.T.: 10.169 min
Delta R.T.: -0.002 min
Response: 5911525733
Conc: 720.01 ng/ml



#13 2,4-DB

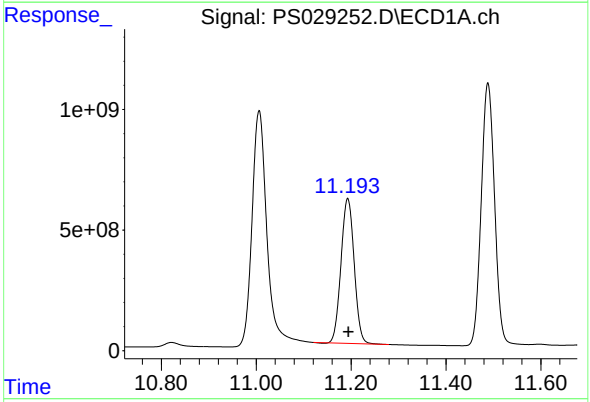
R.T.: 9.997 min
Delta R.T.: -0.001 min
Response: 2945286176
Conc: 705.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



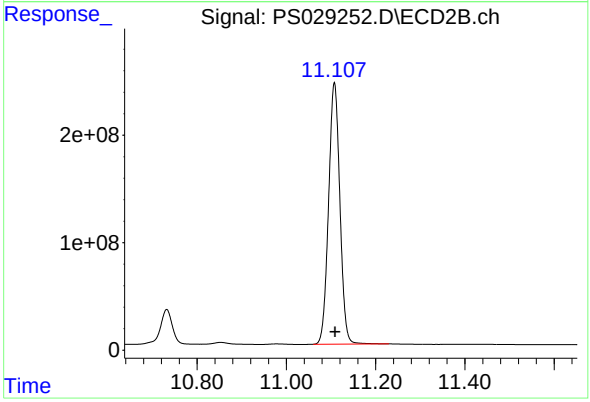
#13 2,4-DB

R.T.: 10.732 min
Delta R.T.: -0.002 min
Response: 537975201
Conc: 702.69 ng/ml



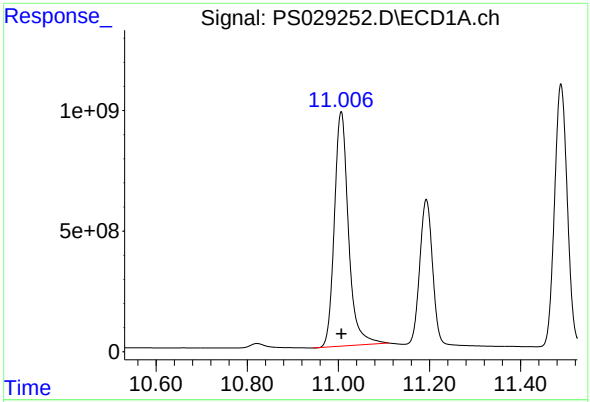
#14 DINOSEB

R.T.: 11.193 min
Delta R.T.: -0.002 min
Response: 11561939868
Conc: 695.21 ng/ml



#14 DINOSEB

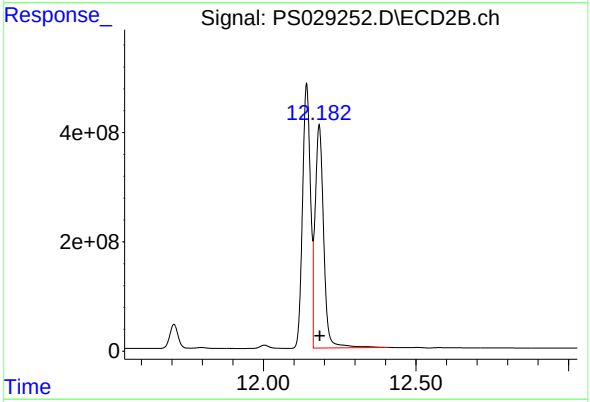
R.T.: 11.108 min
Delta R.T.: -0.002 min
Response: 4274760048
Conc: 705.23 ng/ml



#15 Picloram

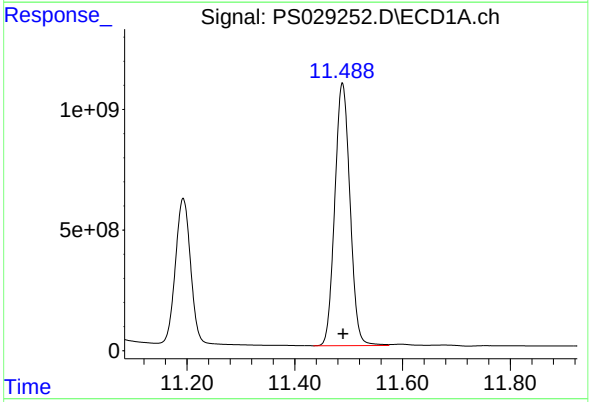
R.T.: 11.006 min
Delta R.T.: 0.000 min
Response: 20880418977
Conc: 683.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



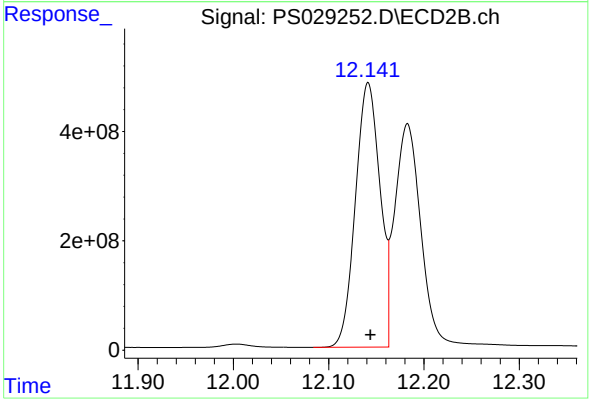
#15 Picloram

R.T.: 12.183 min
Delta R.T.: -0.002 min
Response: 7977289879
Conc: 689.93 ng/ml



#16 DCPA

R.T.: 11.488 min
Delta R.T.: -0.002 min
Response: 21295283321
Conc: 709.76 ng/ml



#16 DCPA

R.T.: 12.141 min
Delta R.T.: -0.003 min
Response: 8685176342
Conc: 733.76 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/24/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 09:50 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.34	7.34	7.24	7.44	0.00
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
Dalapon	2.60	2.60	2.50	2.70	0.00
DICHLORPROP	8.04	8.04	7.94	8.14	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.14	9.14	9.04	9.24	0.00
2,4,5-T	9.43	9.43	9.33	9.53	0.00
2,4-DB	10.00	10.00	9.90	10.10	0.00
Dinoseb	11.20	11.19	11.09	11.29	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/24/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 09:50 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.83	7.83	7.73	7.93	0.00
2,4-DCAA	7.63	7.63	7.53	7.73	0.00
Dalapon	2.65	2.65	2.55	2.75	0.00
DICHLORPROP	8.54	8.54	8.44	8.64	0.00
2,4-D	8.86	8.86	8.76	8.96	0.00
2,4,5-TP(Silvex)	9.76	9.76	9.66	9.86	0.00
2,4,5-T	10.17	10.17	10.07	10.27	0.00
2,4-DB	10.73	10.73	10.63	10.83	0.00
Dinoseb	11.11	11.11	11.01	11.21	0.00

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029255.D **Time Analyzed:** 09:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.430	9.329	9.529	732.010	712.500	2.7
2,4,5-TP(Silvex)	9.139	9.038	9.238	735.940	712.500	3.3
2,4-D	8.273	8.171	8.371	713.790	705.000	1.2
2,4-DB	9.998	9.898	10.098	734.640	712.500	3.1
2,4-DCAA	7.160	7.060	7.260	759.100	750.000	1.2
Dalapon	2.602	2.500	2.700	701.670	682.500	2.8
DICAMBA	7.343	7.243	7.443	726.940	705.000	3.1
DICHLORPROP	8.043	7.942	8.142	705.700	705.000	0.1
Dinoseb	11.195	11.094	11.294	721.410	705.000	2.3

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029255.D **Time Analyzed:** 09:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.171	10.070	10.270	720.880	712.500	1.2
2,4,5-TP(Silvex)	9.756	9.656	9.856	722.380	712.500	1.4
2,4-D	8.861	8.761	8.961	697.740	705.000	-1.0
2,4-DB	10.733	10.634	10.834	702.440	712.500	-1.4
2,4-DCAA	7.632	7.532	7.732	740.920	750.000	-1.2
Dalapon	2.651	2.551	2.751	671.610	682.500	-1.6
DICAMBA	7.826	7.726	7.926	712.330	705.000	1.0
DICHLORPROP	8.536	8.436	8.636	693.390	705.000	-1.6
Dinoseb	11.109	11.009	11.209	708.660	705.000	0.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 09:50
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: Feb 24 11:52:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.160	7.632	3127.9E6	696.7E6	759.101	740.919
	Target Compounds						
1) T	Dalapon	2.602	2.651	3873.4E6	1421.9E6	701.671	671.613
2) T	3,5-DICHL...	6.342	6.604	4179.7E6	985.2E6	714.338	695.677
3) T	4-Nitroph...	6.959	7.162	1676.8E6	553.9E6	716.519	694.558
5) T	DICAMBA	7.343	7.826	12624.1E6	3670.6E6	726.945	712.329
6) T	MCPP	7.524	7.932	915.3E6	166.4E6	74.257	71.135
7) T	MCPA	7.672	8.172	1223.4E6	224.0E6	72.199	70.223
8) T	DICHLORPROP	8.043	8.536	3243.7E6	886.7E6	705.699	693.393
9) T	2,4-D	8.273	8.861	3390.8E6	886.1E6	713.792	697.745
10) T	Pentachlo...	8.566	9.379	43452.1E6	16664.2E6	744.601	724.132
11) T	2,4,5-TP ...	9.139	9.756	18094.4E6	6528.0E6	735.935	722.383
12) T	2,4,5-T	9.430	10.171	18658.1E6	5918.6E6	732.014	720.880
13) T	2,4-DB	9.998	10.733	3067.4E6	537.8E6	734.642	702.439
14) T	DINOSEB	11.195	11.109	11997.7E6	4295.6E6	721.414	708.662
15) T	Picloram	11.008	12.184	22349.9E6	8241.0E6	731.742	712.743
16) T	DCPA	11.491	12.143	22074.7E6	8712.3E6	735.738	736.048

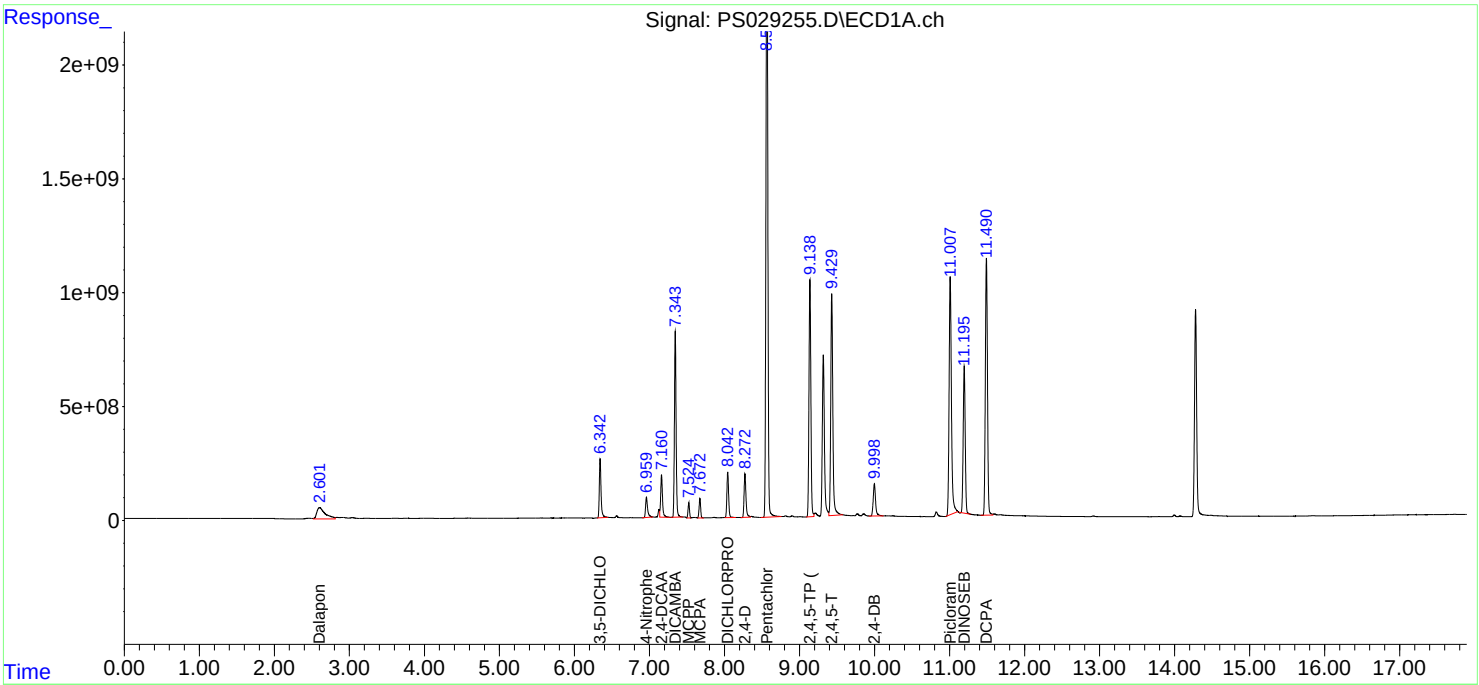
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

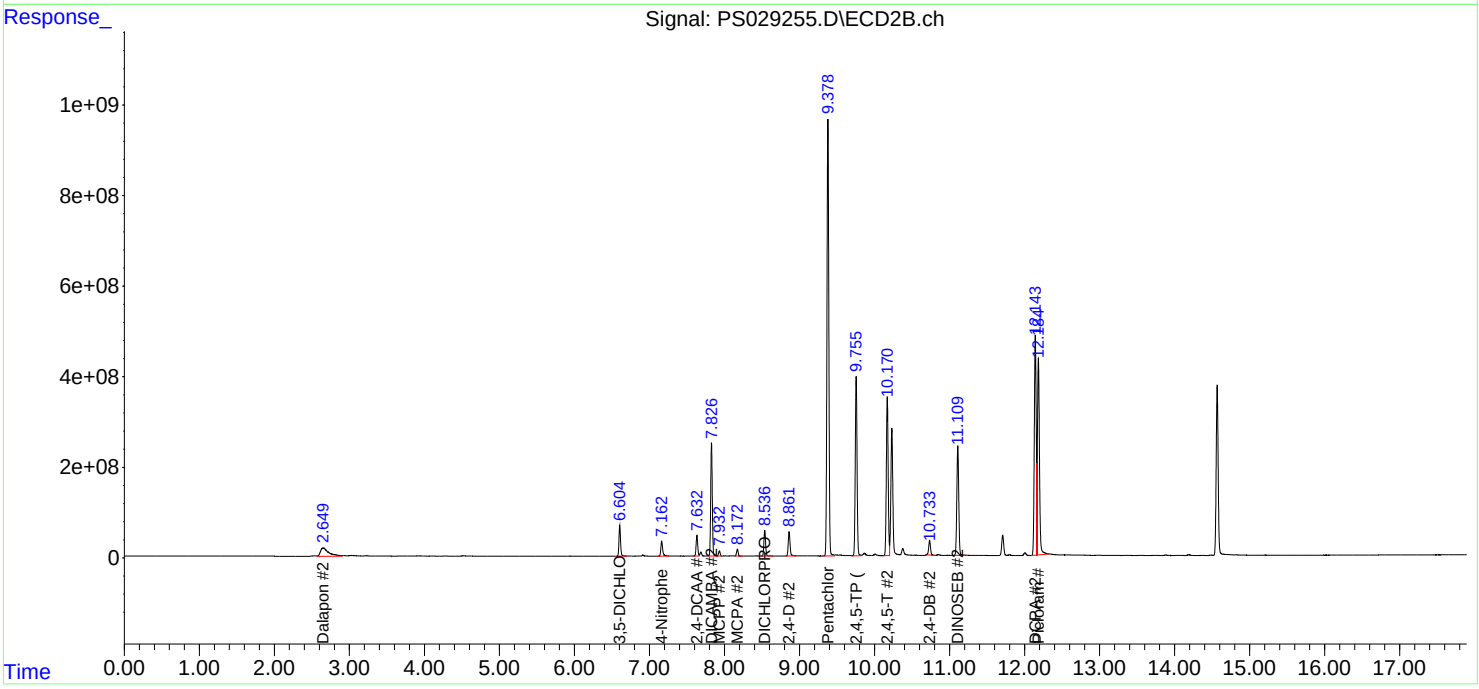
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 09:50
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

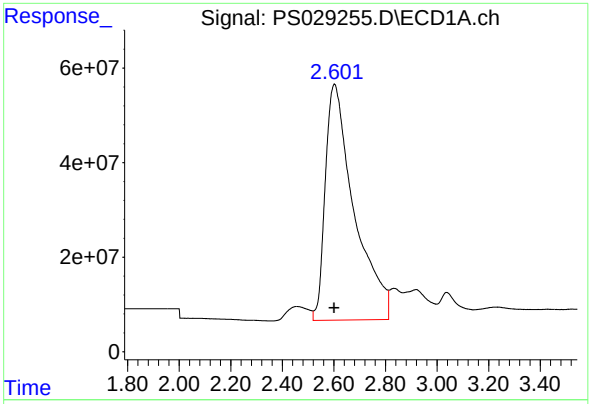
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 24 11:52:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



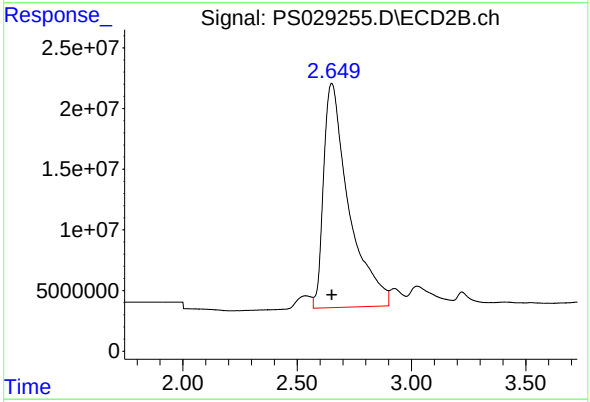




#1 Dalapon

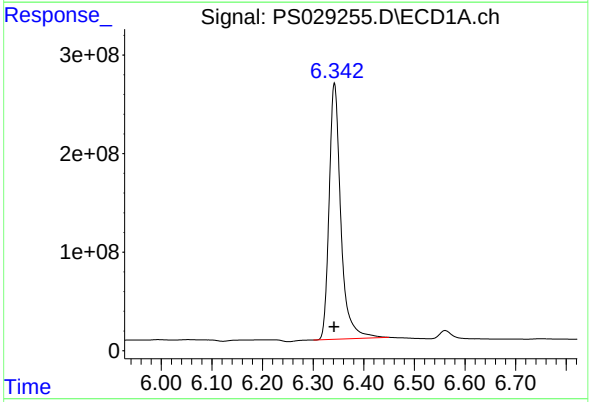
R.T.: 2.602 min
Delta R.T.: 0.002 min
Response: 3873424126
Conc: 701.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



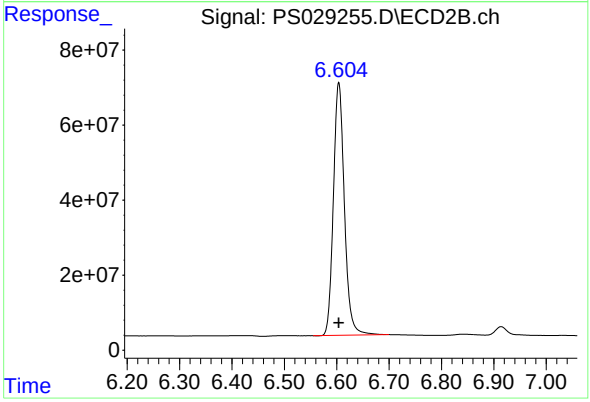
#1 Dalapon

R.T.: 2.651 min
Delta R.T.: 0.000 min
Response: 1421885785
Conc: 671.61 ng/ml



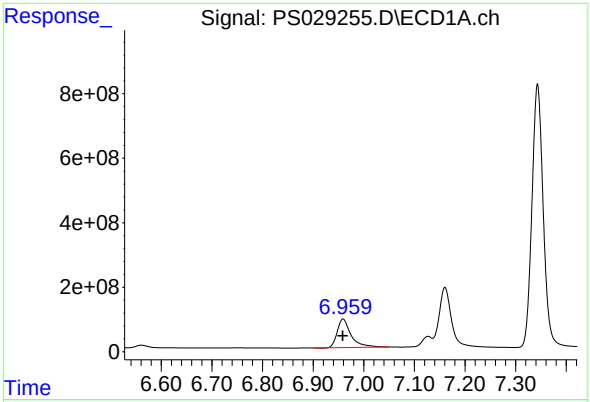
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 4179675979
Conc: 714.34 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

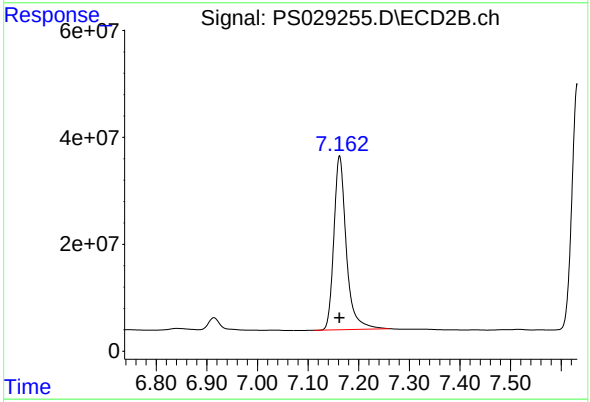
R.T.: 6.604 min
Delta R.T.: 0.000 min
Response: 985158699
Conc: 695.68 ng/ml



#3 4-Nitrophenol

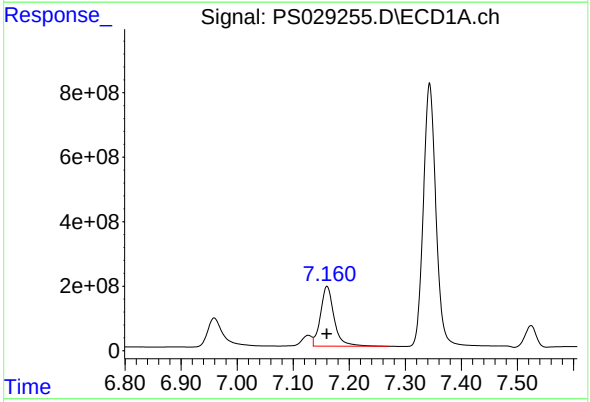
R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 1676786396
Conc: 716.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



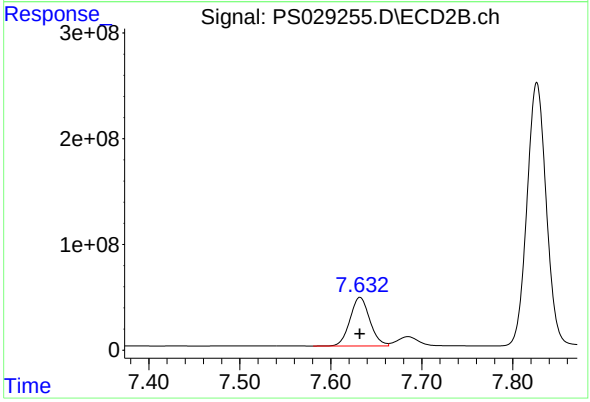
#3 4-Nitrophenol

R.T.: 7.162 min
Delta R.T.: 0.000 min
Response: 553943037
Conc: 694.56 ng/ml



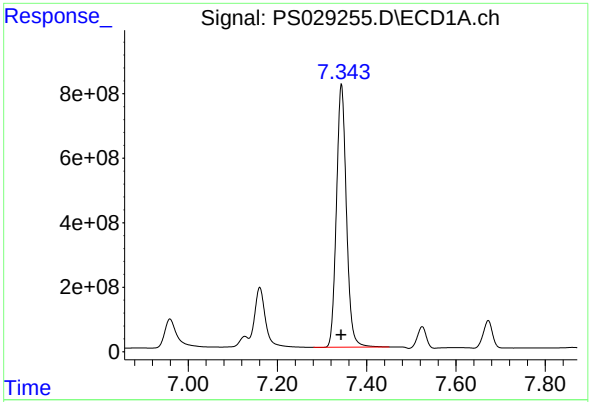
#4 2,4-DCAA

R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 3127935032
Conc: 759.10 ng/ml



#4 2,4-DCAA

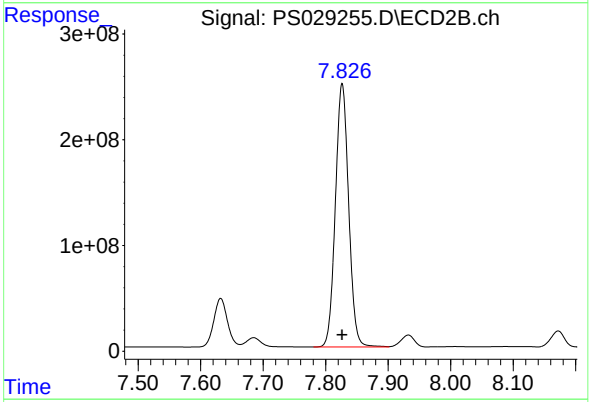
R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 696710577
Conc: 740.92 ng/ml



#5 DICAMBA

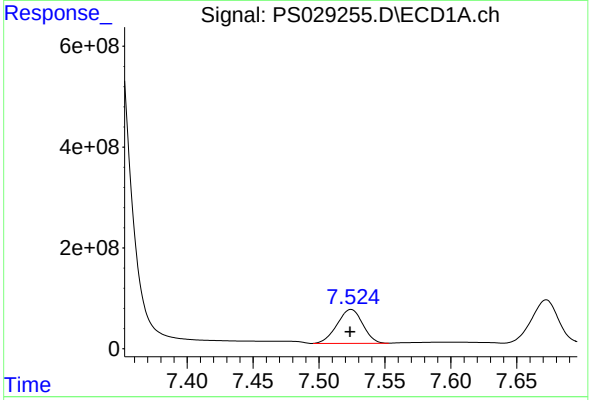
R.T.: 7.343 min
Delta R.T.: 0.000 min
Response: 12624084597
Conc: 726.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



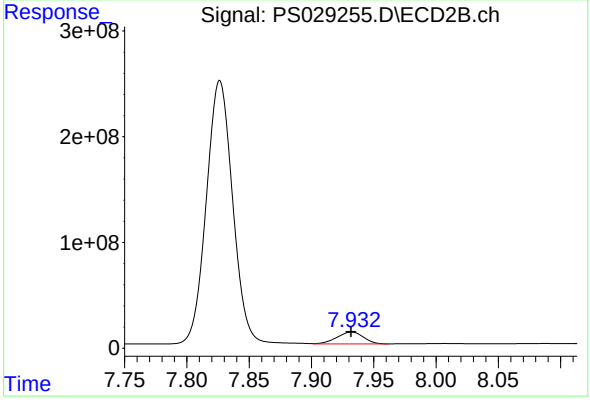
#5 DICAMBA

R.T.: 7.826 min
Delta R.T.: 0.000 min
Response: 3670611979
Conc: 712.33 ng/ml



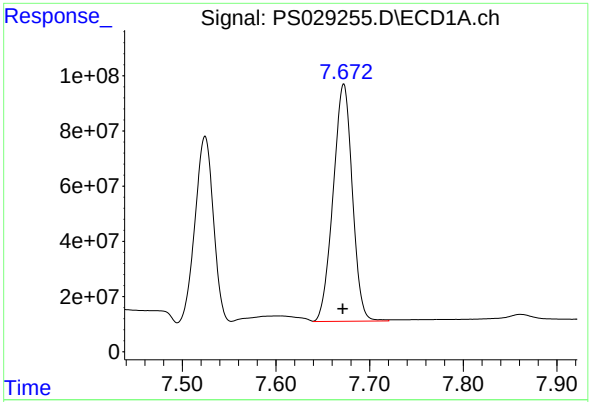
#6 MCPP

R.T.: 7.524 min
Delta R.T.: 0.000 min
Response: 915274395
Conc: 74.26 ug/ml



#6 MCPP

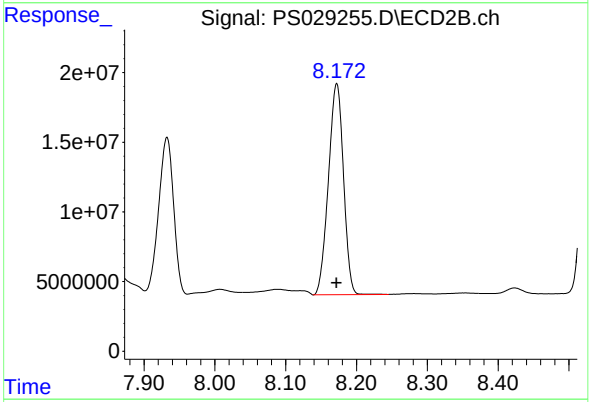
R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 166395104
Conc: 71.13 ug/ml



#7 MCPA

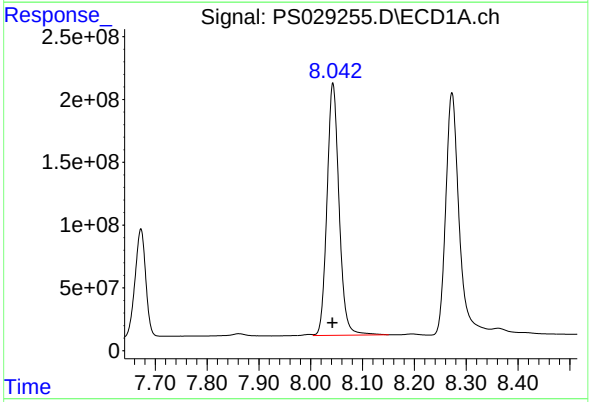
R.T.: 7.672 min
Delta R.T.: 0.000 min
Response: 1223438284
Conc: 72.20 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



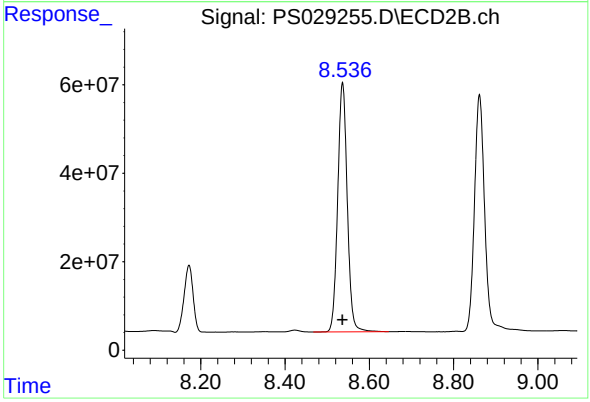
#7 MCPA

R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 223990440
Conc: 70.22 ug/ml



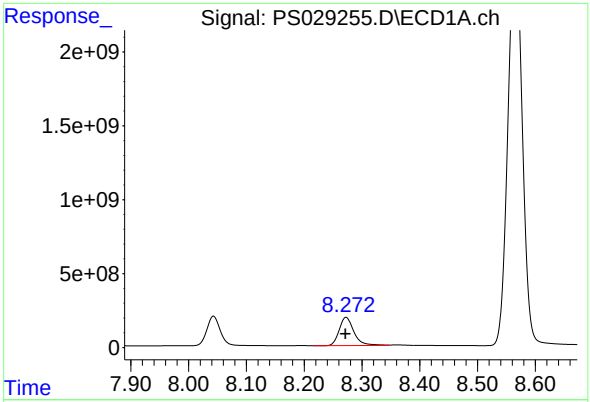
#8 DICHLORPROP

R.T.: 8.043 min
Delta R.T.: 0.000 min
Response: 3243718329
Conc: 705.70 ng/ml



#8 DICHLORPROP

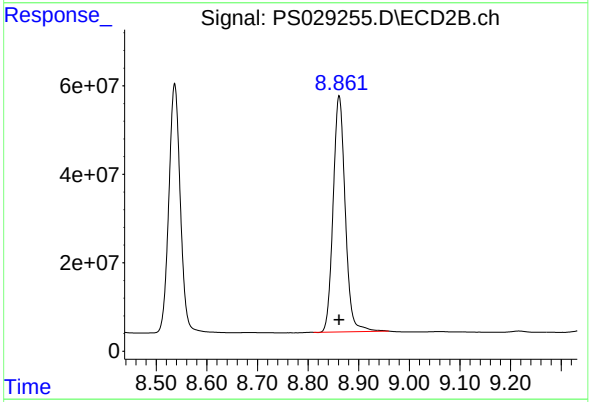
R.T.: 8.536 min
Delta R.T.: 0.000 min
Response: 886683123
Conc: 693.39 ng/ml



#9 2,4-D

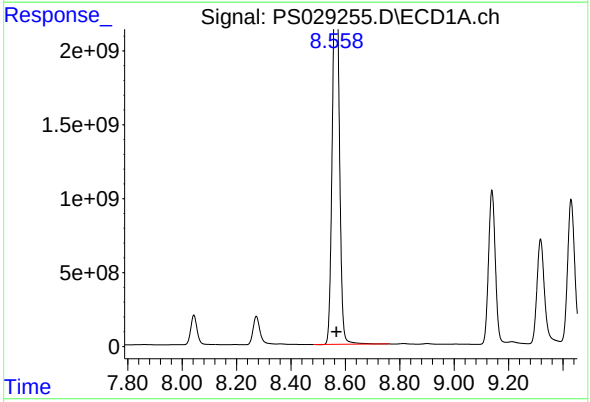
R.T.: 8.273 min
Delta R.T.: 0.001 min
Response: 3390817630
Conc: 713.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



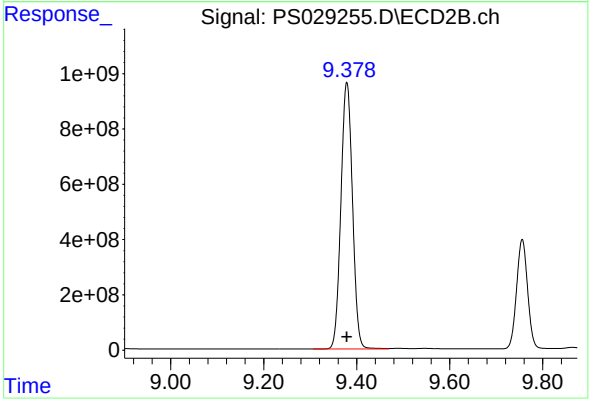
#9 2,4-D

R.T.: 8.861 min
Delta R.T.: 0.000 min
Response: 886063161
Conc: 697.74 ng/ml



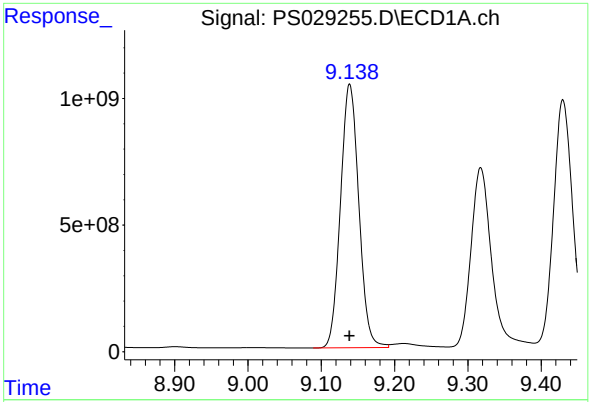
#10 Pentachlorophenol

R.T.: 8.566 min
Delta R.T.: 0.000 min
Response: 43452066493
Conc: 744.60 ng/ml



#10 Pentachlorophenol

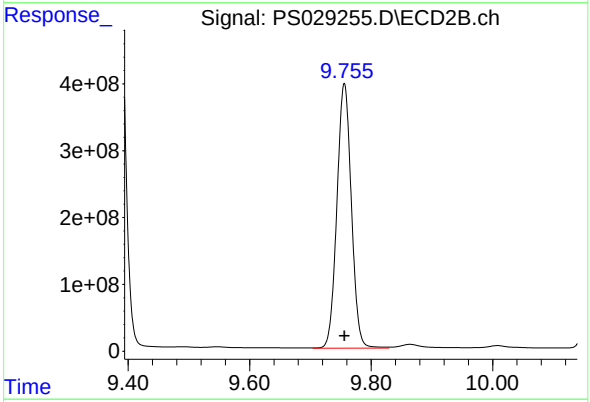
R.T.: 9.379 min
Delta R.T.: 0.000 min
Response: 16664209545
Conc: 724.13 ng/ml



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

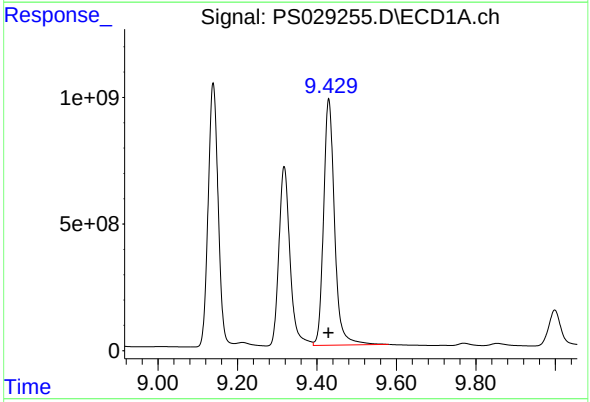
R.T.: 9.139 min
Delta R.T.: 0.000 min
Response: 18094399642
Conc: 735.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



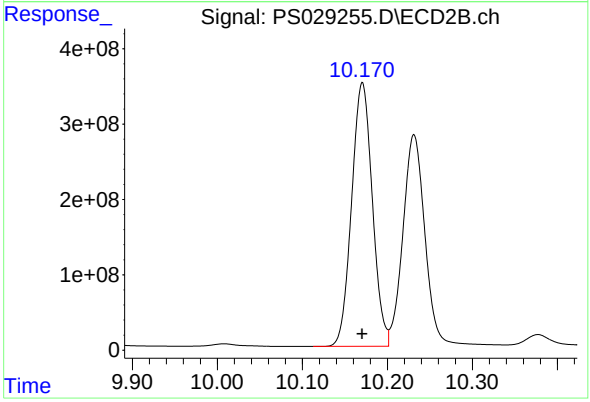
#11 2,4,5-TP (SILVEX)

R.T.: 9.756 min
Delta R.T.: 0.000 min
Response: 6527960902
Conc: 722.38 ng/ml



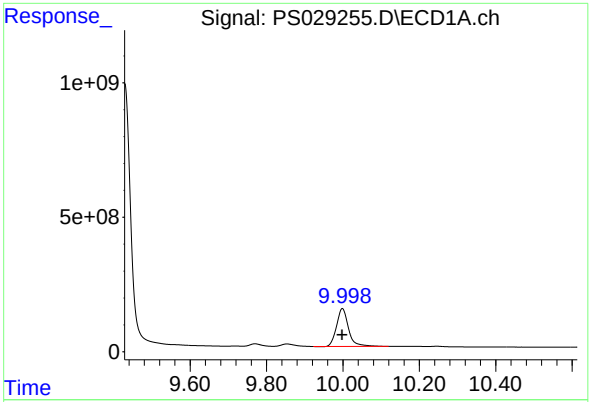
#12 2,4,5-T

R.T.: 9.430 min
Delta R.T.: 0.000 min
Response: 18658107457
Conc: 732.01 ng/ml



#12 2,4,5-T

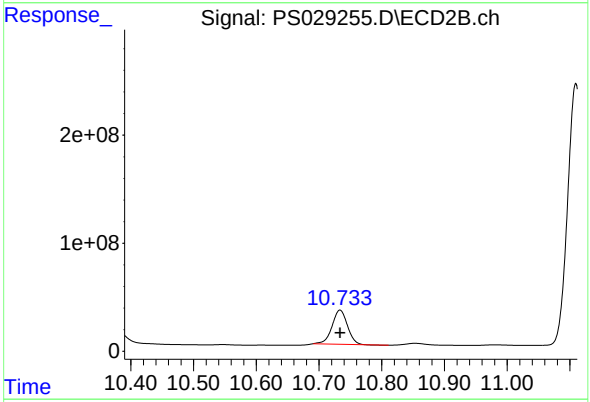
R.T.: 10.171 min
Delta R.T.: 0.000 min
Response: 5918634491
Conc: 720.88 ng/ml



#13 2,4-DB

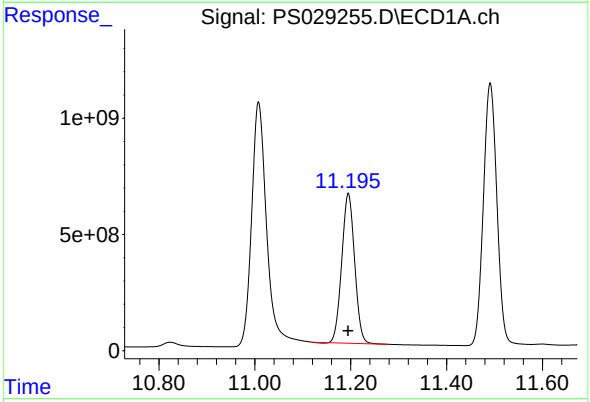
R.T.: 9.998 min
Delta R.T.: 0.000 min
Response: 3067444060
Conc: 734.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



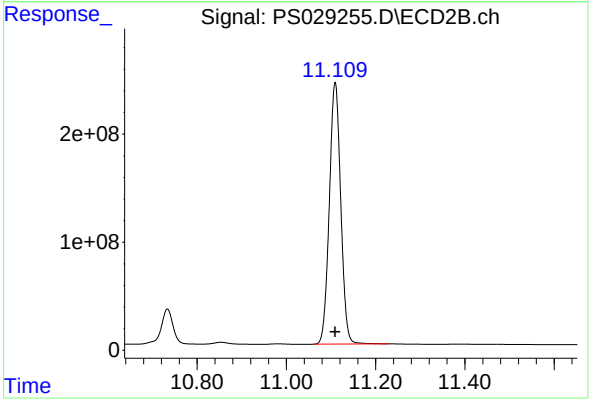
#13 2,4-DB

R.T.: 10.733 min
Delta R.T.: 0.000 min
Response: 537781487
Conc: 702.44 ng/ml



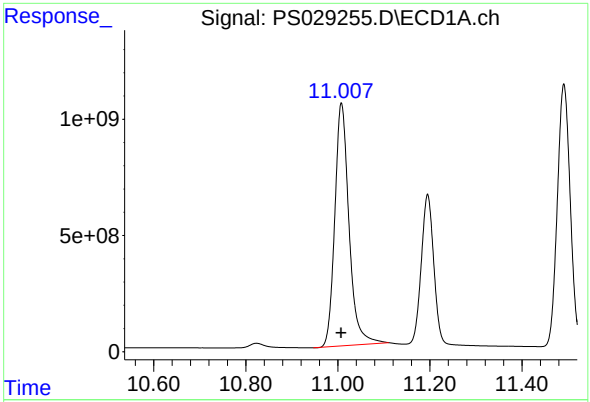
#14 DINOSEB

R.T.: 11.195 min
Delta R.T.: 0.000 min
Response: 11997706940
Conc: 721.41 ng/ml



#14 DINOSEB

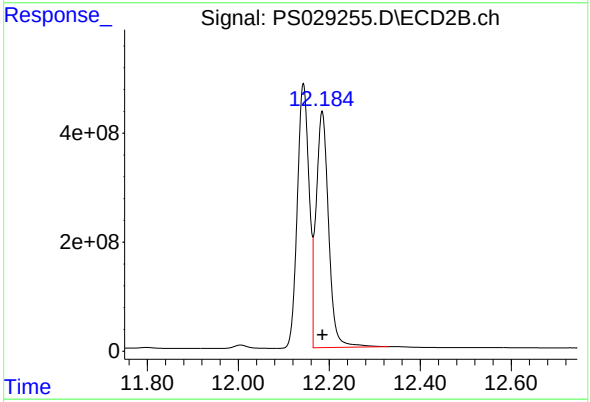
R.T.: 11.109 min
Delta R.T.: 0.000 min
Response: 4295570560
Conc: 708.66 ng/ml



#15 Picloram

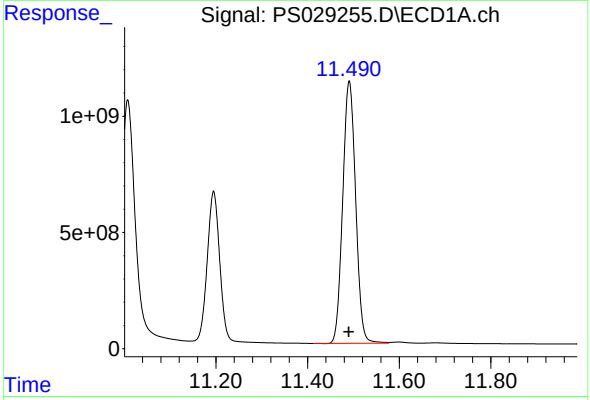
R.T.: 11.008 min
Delta R.T.: 0.000 min
Response: 22349944186
Conc: 731.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



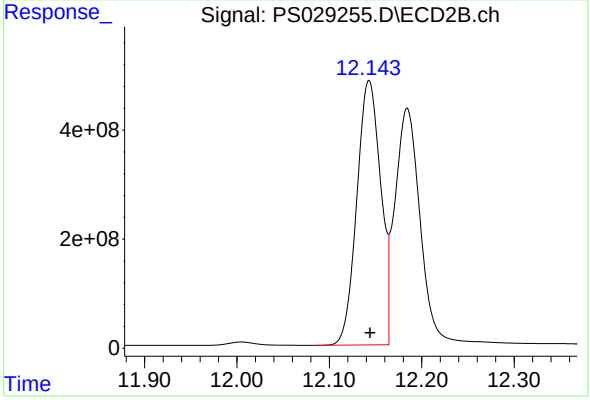
#15 Picloram

R.T.: 12.184 min
Delta R.T.: 0.000 min
Response: 8241039859
Conc: 712.74 ng/ml



#16 DCPA

R.T.: 11.491 min
Delta R.T.: 0.000 min
Response: 22074703390
Conc: 735.74 ng/ml



#16 DCPA

R.T.: 12.143 min
Delta R.T.: -0.001 min
Response: 8712273560
Conc: 736.05 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/24/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 15:59 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.34	7.34	7.24	7.44	0.00
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
Dalapon	2.60	2.60	2.50	2.70	0.00
DICHLORPROP	8.04	8.04	7.94	8.14	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.14	9.14	9.04	9.24	0.00
2,4,5-T	9.43	9.43	9.33	9.53	0.00
2,4-DB	10.00	10.00	9.90	10.10	0.00
Dinoseb	11.19	11.19	11.09	11.29	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/24/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 15:59 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.83	7.83	7.73	7.93	0.01
2,4-DCAA	7.63	7.63	7.53	7.73	0.00
Dalapon	2.65	2.65	2.55	2.75	0.00
DICHLORPROP	8.53	8.54	8.44	8.64	0.01
2,4-D	8.86	8.86	8.76	8.96	0.00
2,4,5-TP(Silvex)	9.76	9.76	9.66	9.86	0.00
2,4,5-T	10.17	10.17	10.07	10.27	0.00
2,4-DB	10.73	10.73	10.63	10.83	0.00
Dinoseb	11.11	11.11	11.01	11.21	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029267.D **Time Analyzed:** 15:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.429	9.329	9.529	749.180	712.500	5.1
2,4,5-TP(Silvex)	9.139	9.038	9.238	750.490	712.500	5.3
2,4-D	8.271	8.171	8.371	730.290	705.000	3.6
2,4-DB	9.999	9.898	10.098	752.770	712.500	5.7
2,4-DCAA	7.160	7.060	7.260	780.130	750.000	4.0
Dalapon	2.600	2.500	2.700	714.160	682.500	4.6
DICAMBA	7.343	7.243	7.443	741.780	705.000	5.2
DICHLORPROP	8.043	7.942	8.142	723.240	705.000	2.6
Dinoseb	11.194	11.094	11.294	753.630	705.000	6.9

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029267.D **Time Analyzed:** 15:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.169	10.070	10.270	742.180	712.500	4.2
2,4,5-TP(Silvex)	9.755	9.656	9.856	741.540	712.500	4.1
2,4-D	8.860	8.761	8.961	719.270	705.000	2.0
2,4-DB	10.732	10.634	10.834	714.910	712.500	0.3
2,4-DCAA	7.631	7.532	7.732	758.850	750.000	1.2
Dalapon	2.649	2.551	2.751	690.150	682.500	1.1
DICAMBA	7.825	7.726	7.926	732.490	705.000	3.9
DICHLORPROP	8.534	8.436	8.636	713.470	705.000	1.2
Dinoseb	11.108	11.009	11.209	727.580	705.000	3.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:59
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 00:55:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.160	7.631	3214.6E6	713.6E6	780.129	758.847
	Target Compounds						
1) T	Dalapon	2.600	2.649	3942.4E6	1461.1E6	714.161	690.154
2) T	3,5-DICHL...	6.342	6.603	4266.5E6	1005.3E6	729.184	709.880
3) T	4-Nitroph...	6.959	7.161	1702.5E6	559.1E6	727.504	700.986
5) T	DICAMBA	7.343	7.825	12881.7E6	3774.5E6	741.778	732.495
6) T	MCPP	7.524	7.931	941.7E6	170.9E6	76.402	73.049
7) T	MCPA	7.672	8.171	1250.7E6	230.3E6	73.808	72.190
8) T	DICHLORPROP	8.043	8.534	3324.3E6	912.4E6	723.239	713.467
9) T	2,4-D	8.271	8.860	3469.2E6	913.4E6	730.293	719.274
10) T	Pentachlo...	8.565	9.377	43981.1E6	17038.9E6	753.666	740.414
11) T	2,4,5-TP ...	9.139	9.755	18452.4E6	6701.1E6	750.494	741.544
12) T	2,4,5-T	9.429	10.169	19095.7E6	6093.6E6	749.181	742.185
13) T	2,4-DB	9.999	10.732	3143.1E6	547.3E6	752.771	714.908
14) T	DINOSEB	11.194	11.108	12533.5E6	4410.2E6	753.629m	727.576
15) T	Picloram	11.007	12.183	22709.7E6	8575.4E6	743.519	741.662
16) T	DCPA	11.491	12.141	22489.6E6	8871.4E6	749.567	749.492

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

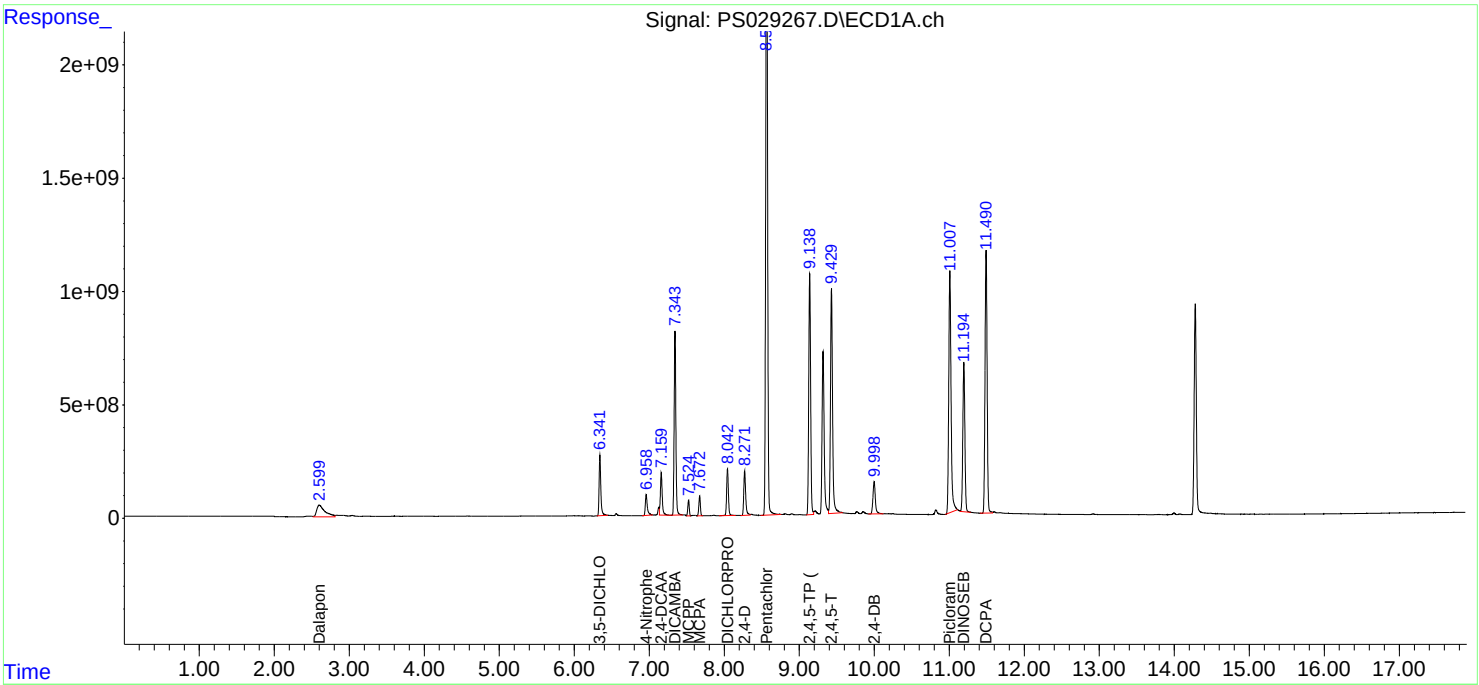
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:59
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

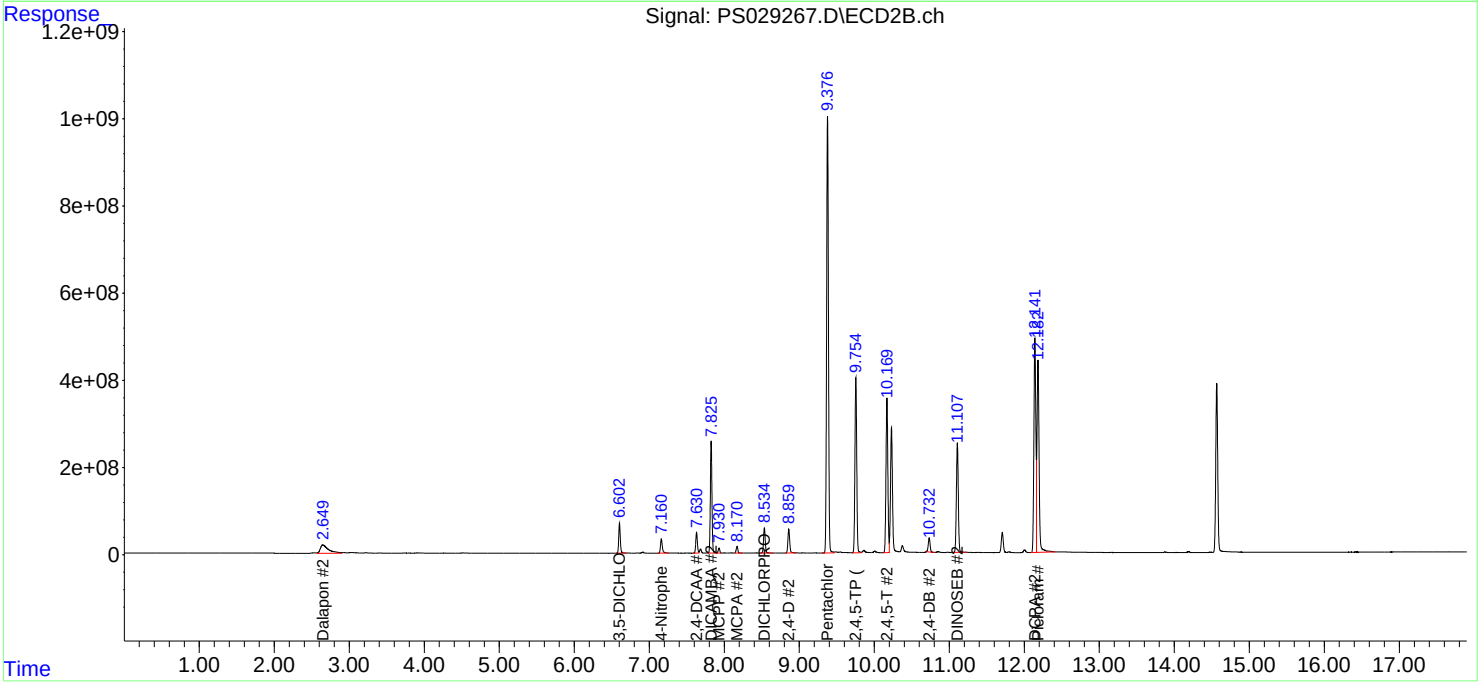
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

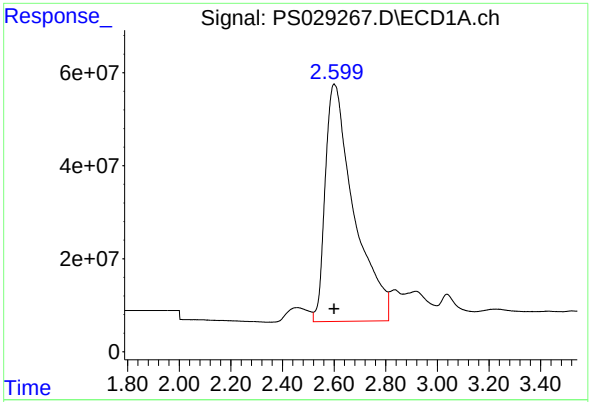
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 00:55:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







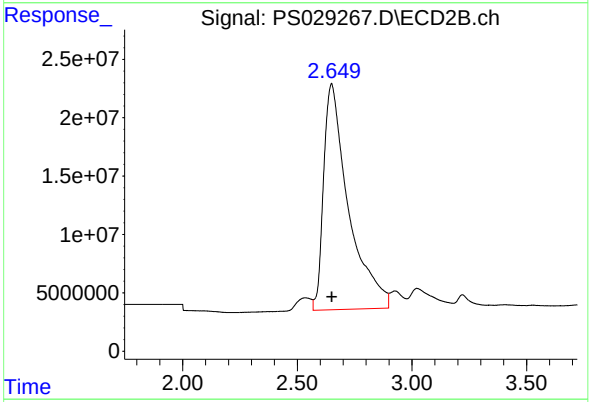
#1 Dalapon

R.T.: 2.600 min
Delta R.T.: 0.000 min
Response: 3942373726
Conc: 714.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

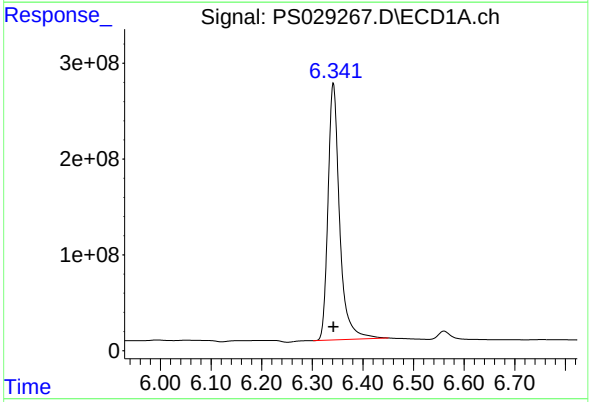
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



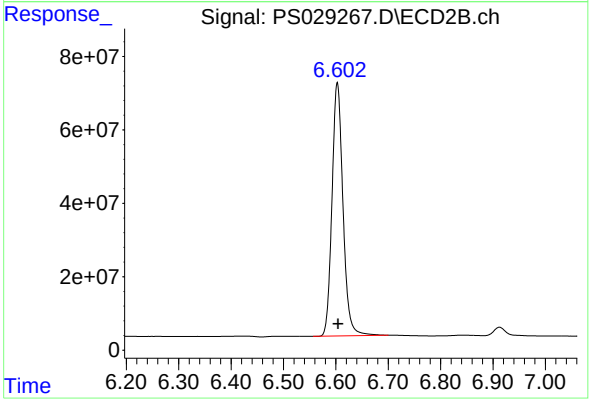
#1 Dalapon

R.T.: 2.649 min
Delta R.T.: -0.002 min
Response: 1461139203
Conc: 690.15 ng/ml



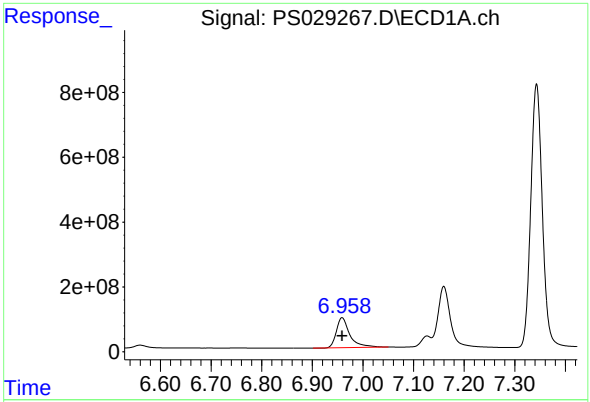
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 4266541036
Conc: 729.18 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.603 min
Delta R.T.: -0.001 min
Response: 1005271926
Conc: 709.88 ng/ml



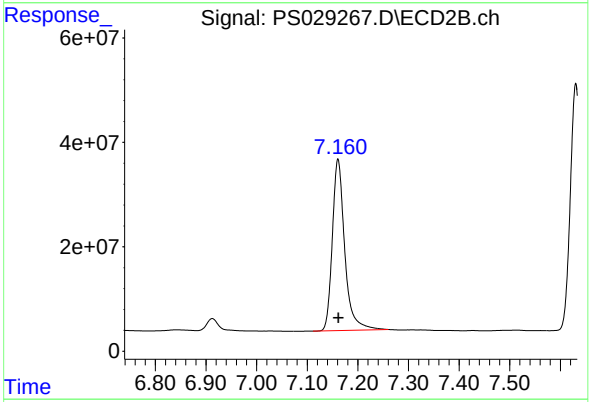
#3 4-Nitrophenol

R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 1702493389
Conc: 727.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

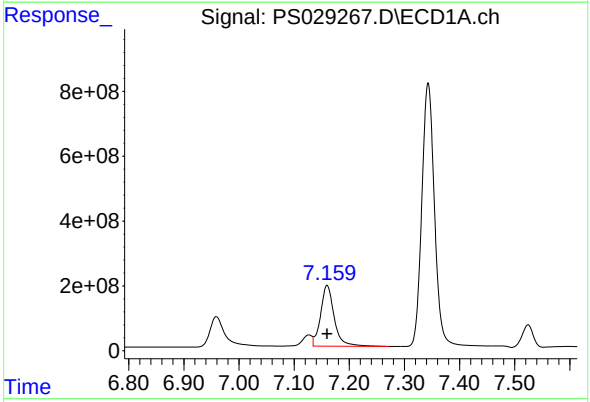
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



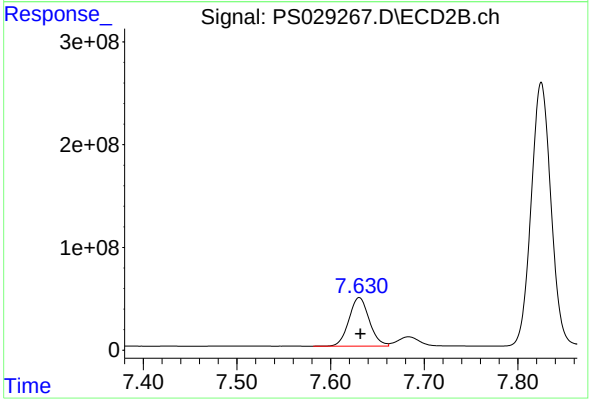
#3 4-Nitrophenol

R.T.: 7.161 min
Delta R.T.: -0.001 min
Response: 559070334
Conc: 700.99 ng/ml



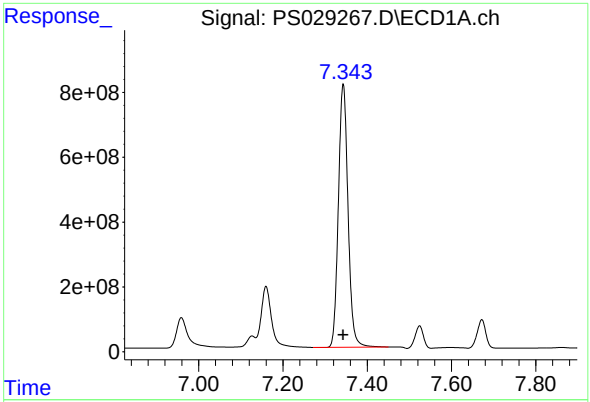
#4 2,4-DCAA

R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 3214583770
Conc: 780.13 ng/ml



#4 2,4-DCAA

R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 713568538
Conc: 758.85 ng/ml



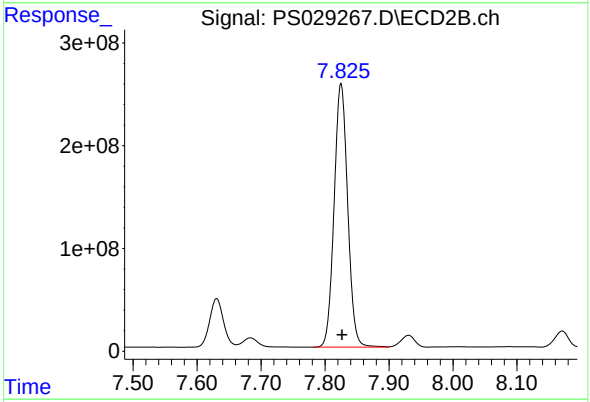
#5 DICAMBA

R.T.: 7.343 min
Delta R.T.: 0.000 min
Response: 12881673021
Conc: 741.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

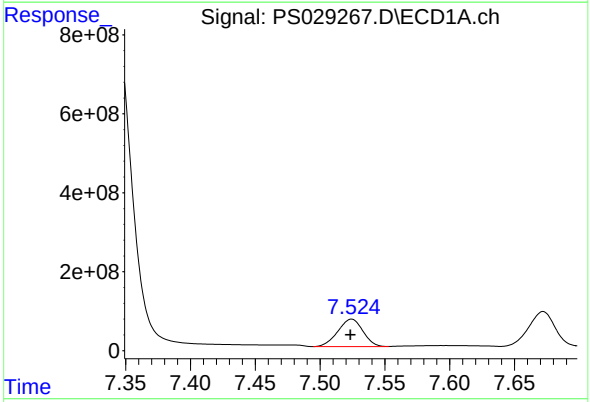
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



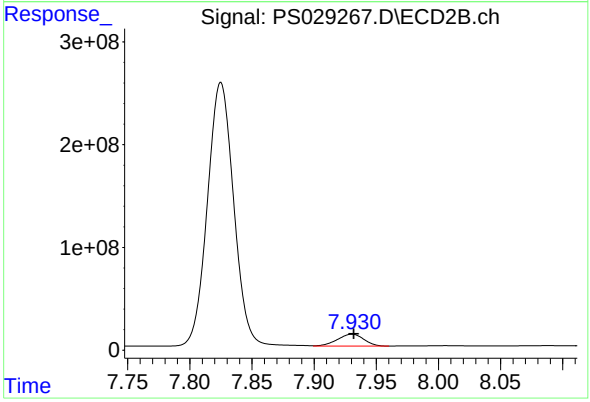
#5 DICAMBA

R.T.: 7.825 min
Delta R.T.: -0.001 min
Response: 3774523192
Conc: 732.49 ng/ml



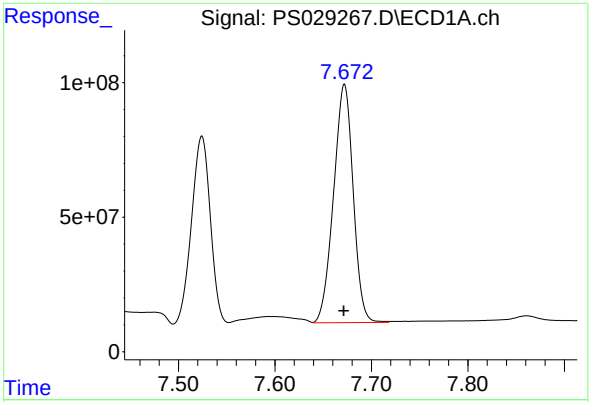
#6 MCPP

R.T.: 7.524 min
Delta R.T.: 0.000 min
Response: 941711911
Conc: 76.40 ug/ml



#6 MCPP

R.T.: 7.931 min
Delta R.T.: -0.001 min
Response: 170871936
Conc: 73.05 ug/ml



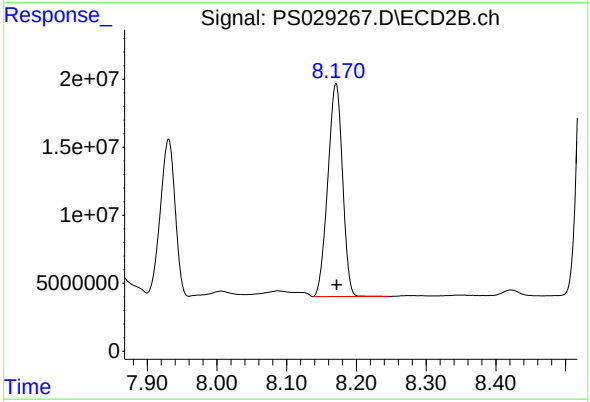
#7 MCPA

R.T.: 7.672 min
Delta R.T.: 0.000 min
Response: 1250709628
Conc: 73.81 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

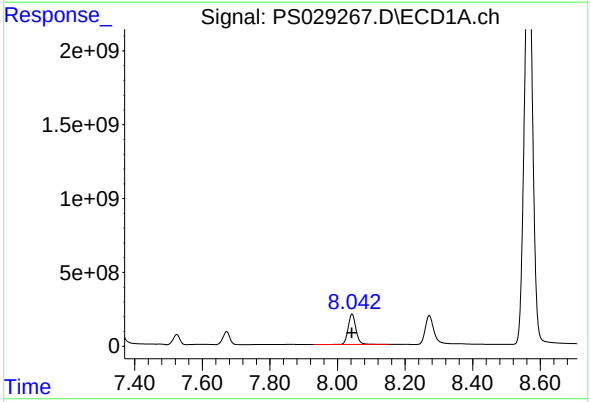
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



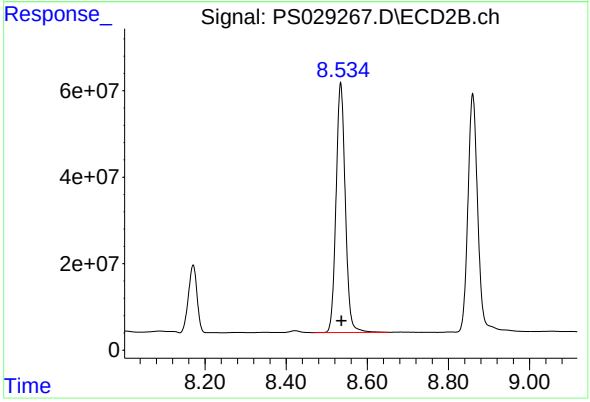
#7 MCPA

R.T.: 8.171 min
Delta R.T.: -0.001 min
Response: 230265628
Conc: 72.19 ug/ml



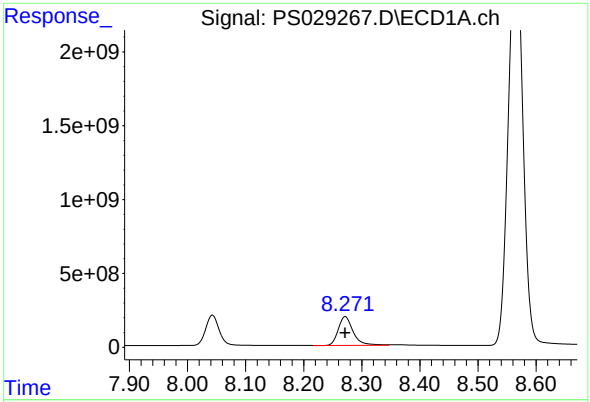
#8 DICHLORPROP

R.T.: 8.043 min
Delta R.T.: 0.000 min
Response: 3324340064
Conc: 723.24 ng/ml



#8 DICHLORPROP

R.T.: 8.534 min
Delta R.T.: -0.002 min
Response: 912353617
Conc: 713.47 ng/ml



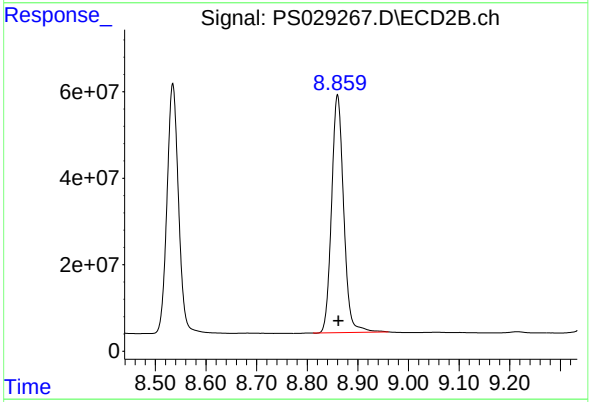
#9 2,4-D

R.T.: 8.271 min
Delta R.T.: 0.000 min
Response: 3469205096
Conc: 730.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

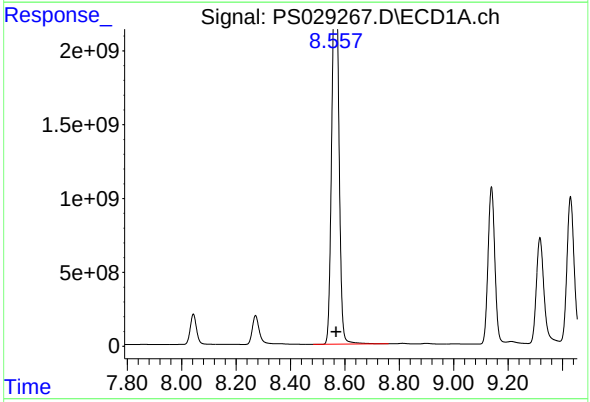
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 02/25/2025



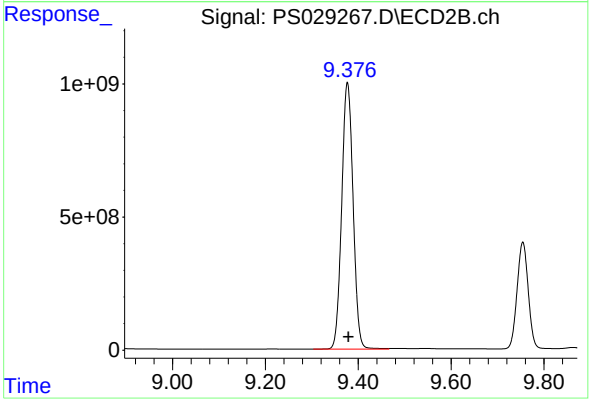
#9 2,4-D

R.T.: 8.860 min
Delta R.T.: -0.001 min
Response: 913403251
Conc: 719.27 ng/ml



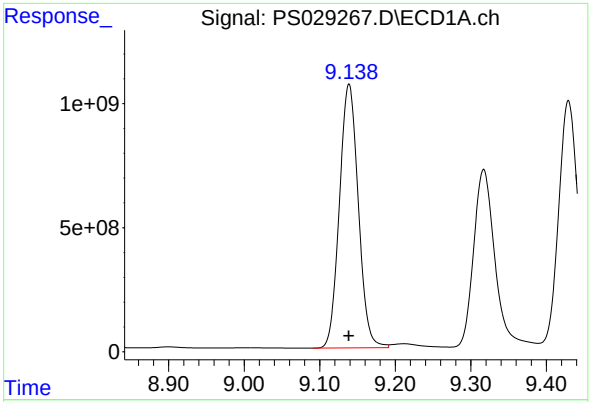
#10 Pentachlorophenol

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 43981102093
Conc: 753.67 ng/ml



#10 Pentachlorophenol

R.T.: 9.377 min
Delta R.T.: -0.002 min
Response: 17038919558
Conc: 740.41 ng/ml



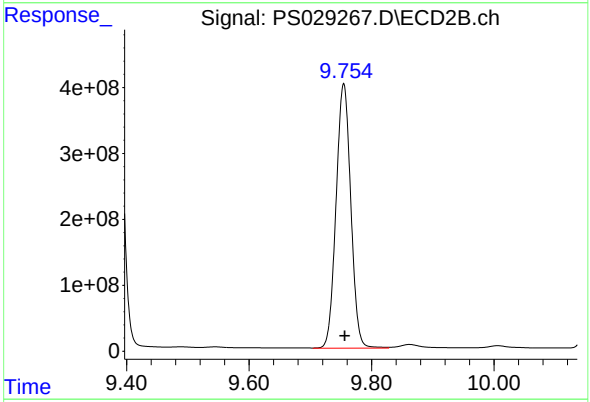
#11 2,4,5-TP (SILVEX)

R.T.: 9.139 min
Delta R.T.: 0.000 min
Response: 18452362726
Conc: 750.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

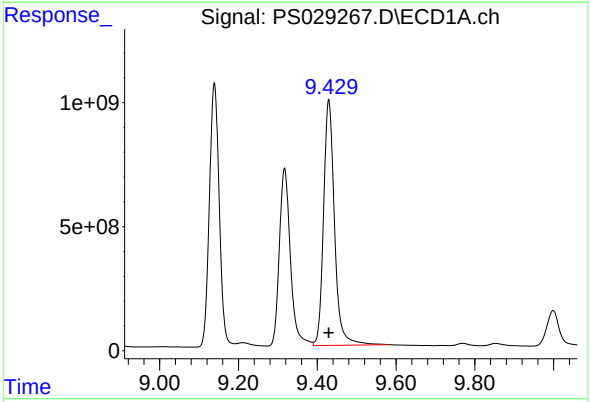
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



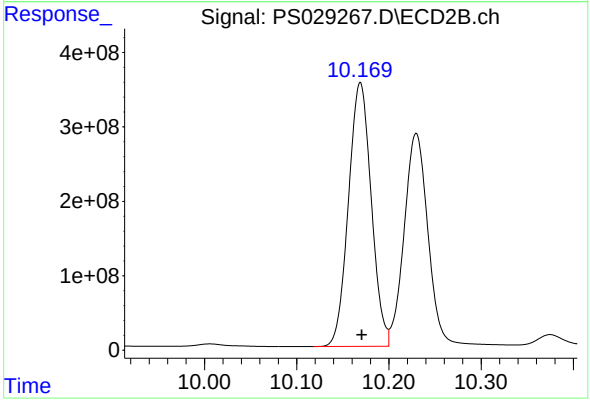
#11 2,4,5-TP (SILVEX)

R.T.: 9.755 min
Delta R.T.: -0.001 min
Response: 6701110015
Conc: 741.54 ng/ml



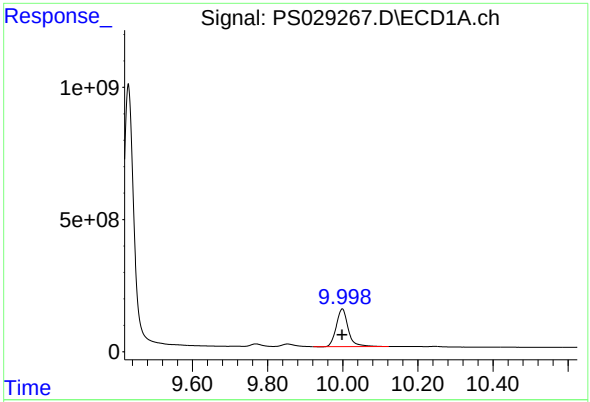
#12 2,4,5-T

R.T.: 9.429 min
Delta R.T.: 0.000 min
Response: 19095657389
Conc: 749.18 ng/ml



#12 2,4,5-T

R.T.: 10.169 min
Delta R.T.: -0.001 min
Response: 6093551999
Conc: 742.18 ng/ml



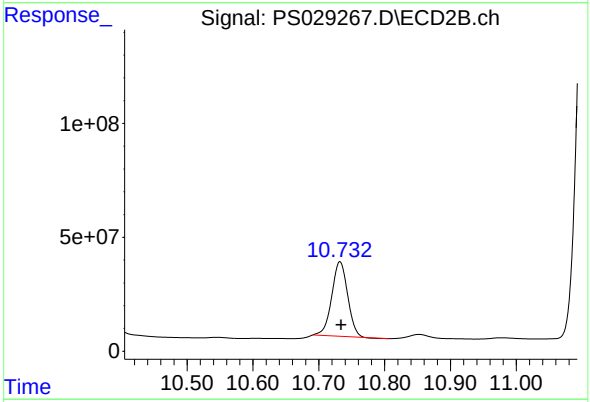
#13 2,4-DB

R.T.: 9.999 min
Delta R.T.: 0.000 min
Response: 3143141702
Conc: 752.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

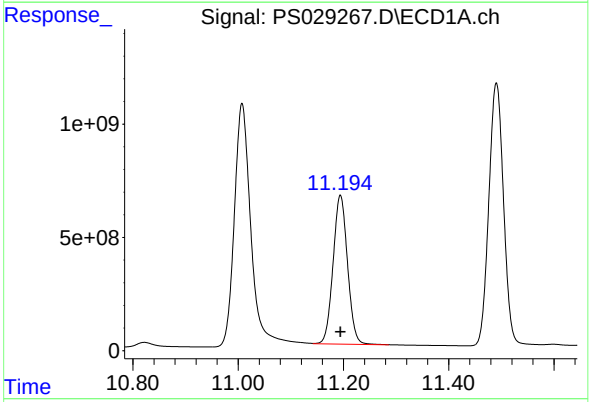
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



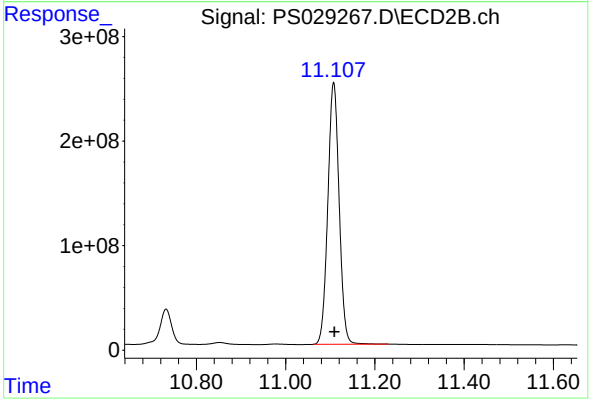
#13 2,4-DB

R.T.: 10.732 min
Delta R.T.: -0.002 min
Response: 547327416
Conc: 714.91 ng/ml



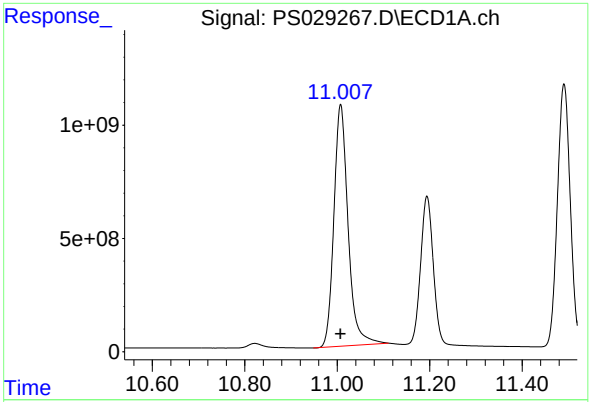
#14 DINOSEB

R.T.: 11.194 min
Delta R.T.: 0.000 min
Response: 12533474058
Conc: 753.63 ng/ml m



#14 DINOSEB

R.T.: 11.108 min
Delta R.T.: -0.002 min
Response: 4410222599
Conc: 727.58 ng/ml



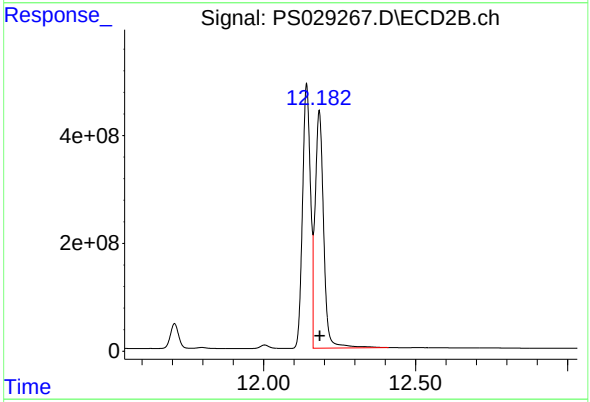
#15 Picloram

R.T.: 11.007 min
Delta R.T.: 0.000 min
Response: 22709666446
Conc: 743.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

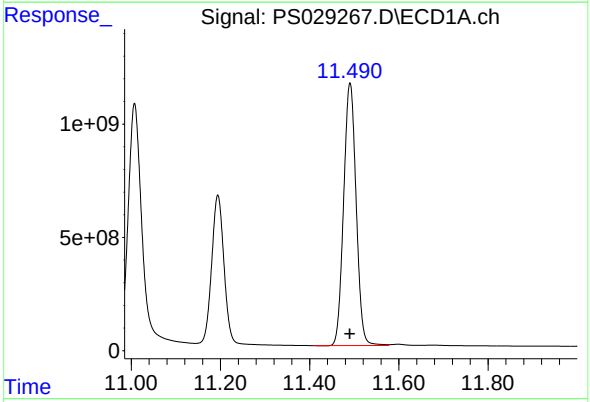
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/25/2025
Supervised By :Ankita Jodhani 02/25/2025



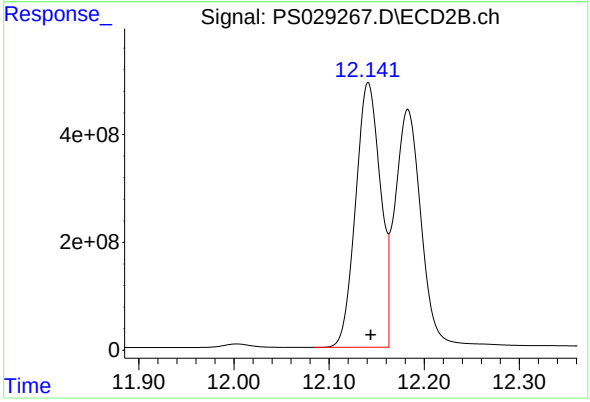
#15 Picloram

R.T.: 12.183 min
Delta R.T.: -0.002 min
Response: 8575415182
Conc: 741.66 ng/ml



#16 DCPA

R.T.: 11.491 min
Delta R.T.: 0.000 min
Response: 22489621954
Conc: 749.57 ng/ml



#16 DCPA

R.T.: 12.141 min
Delta R.T.: -0.003 min
Response: 8871400567
Conc: 749.49 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/26/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 12:55 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.35	7.34	7.24	7.44	0.00
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
Dalapon	2.60	2.60	2.50	2.70	0.00
DICHLORPROP	8.04	8.04	7.94	8.14	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.14	9.14	9.04	9.24	0.00
2,4,5-T	9.43	9.43	9.33	9.53	0.00
2,4-DB	10.00	10.00	9.90	10.10	0.00
Dinoseb	11.20	11.19	11.09	11.29	-0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/26/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 12:55 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.82	7.83	7.73	7.93	0.01
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
Dalapon	2.64	2.65	2.55	2.75	0.01
DICHLORPROP	8.53	8.54	8.44	8.64	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.75	9.76	9.66	9.86	0.01
2,4,5-T	10.16	10.17	10.07	10.27	0.01
2,4-DB	10.72	10.73	10.63	10.83	0.01
Dinoseb	11.10	11.11	11.01	11.21	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 02/26/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029291.D **Time Analyzed:** 12:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.432	9.329	9.529	761.190	712.500	6.8
2,4,5-TP(Silvex)	9.141	9.038	9.238	770.220	712.500	8.1
2,4-D	8.274	8.171	8.371	753.460	705.000	6.9
2,4-DB	10.001	9.898	10.098	781.280	712.500	9.7
2,4-DCAA	7.161	7.060	7.260	800.590	750.000	6.7
Dalapon	2.600	2.500	2.700	717.500	682.500	5.1
DICAMBA	7.345	7.243	7.443	765.710	705.000	8.6
DICHLORPROP	8.044	7.942	8.142	740.860	705.000	5.1
Dinoseb	11.199	11.094	11.294	754.060	705.000	7.0

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 02/26/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029291.D **Time Analyzed:** 12:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.162	10.070	10.270	757.150	712.500	6.3
2,4,5-TP(Silvex)	9.748	9.656	9.856	757.850	712.500	6.4
2,4-D	8.852	8.761	8.961	734.420	705.000	4.2
2,4-DB	10.724	10.634	10.834	780.800	712.500	9.6
2,4-DCAA	7.624	7.532	7.732	771.960	750.000	2.9
Dalapon	2.640	2.551	2.751	675.780	682.500	-1.0
DICAMBA	7.818	7.726	7.926	745.380	705.000	5.7
DICHLORPROP	8.528	8.436	8.636	723.010	705.000	2.6
Dinoseb	11.100	11.009	11.209	737.790	705.000	4.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 12:55
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:01:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.161	7.624	3298.9E6	725.9E6	800.587	771.965
		Target Compounds						
1)	T	Dalapon	2.600	2.640	3960.8E6	1430.7E6	717.502	675.779
2)	T	3,5-DICHL...	6.342	6.596	4472.5E6	1024.1E6	764.386	723.187
3)	T	4-Nitroph...	6.959	7.154	1832.6E6	577.0E6	783.092	723.436
5)	T	DICAMBA	7.345	7.818	13297.4E6	3840.9E6	765.714	745.385
6)	T	MCPP	7.527	7.925	956.0E6	169.1E6	77.563	72.310
7)	T	MCPA	7.675	8.165	1281.2E6	231.1E6	75.606	72.442
8)	T	DICHLORPROP	8.044	8.528	3405.3E6	924.6E6	740.861	723.008
9)	T	2,4-D	8.274	8.852	3579.3E6	932.6E6	753.461	734.422
10)	T	Pentachlo...	8.572	9.371	44745.0E6	17421.5E6	766.757	757.039
11)	T	2,4,5-TP ...	9.141	9.748	18937.3E6	6848.5E6	770.216	757.849
12)	T	2,4,5-T	9.432	10.162	19401.6E6	6216.4E6	761.185	757.147
13)	T	2,4-DB	10.001	10.724	3262.2E6	597.8E6	781.282	780.803m
14)	T	DINOSEB	11.199	11.100	12540.7E6	4472.1E6	754.065	737.787m
15)	T	Picloram	11.010	12.175	23609.8E6	8849.6E6	772.990	765.375
16)	T	DCPA	11.495	12.135	23271.5E6	9143.4E6	775.626	772.474

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

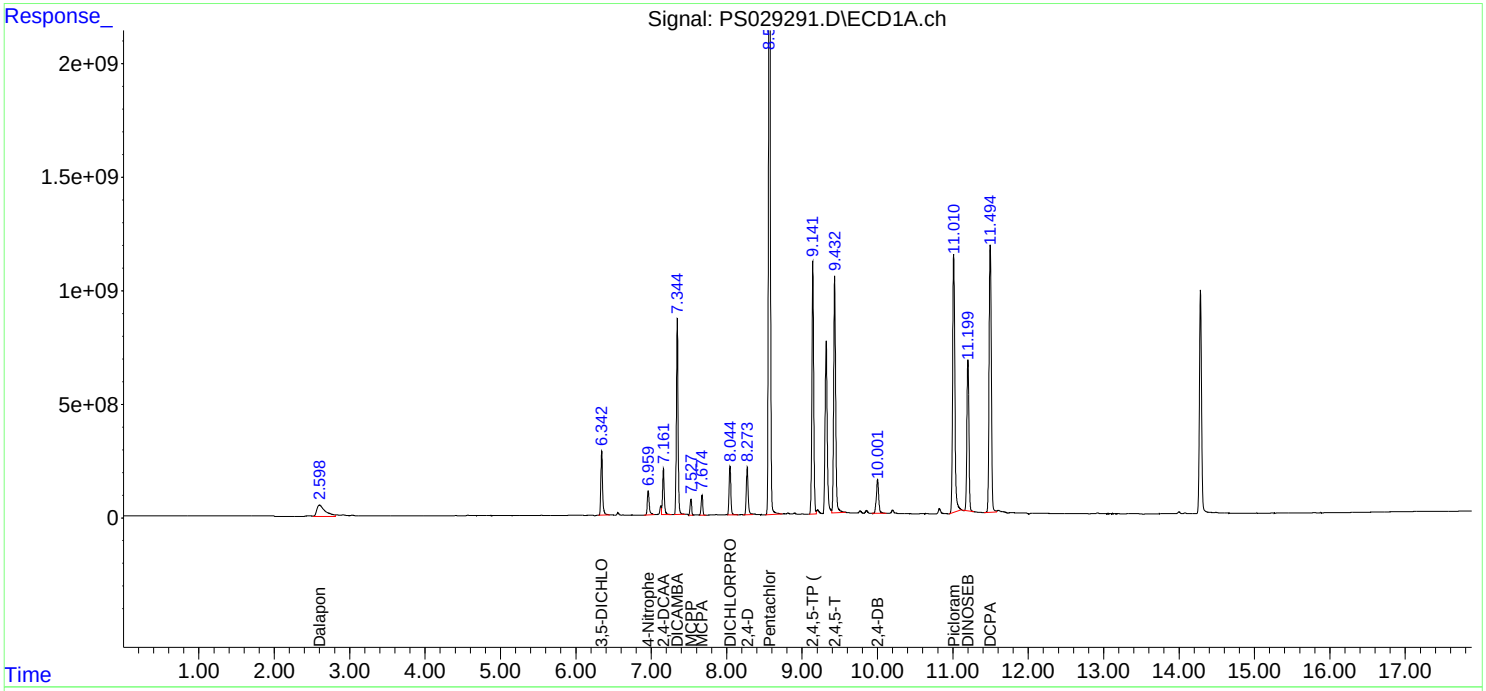
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 12:55
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

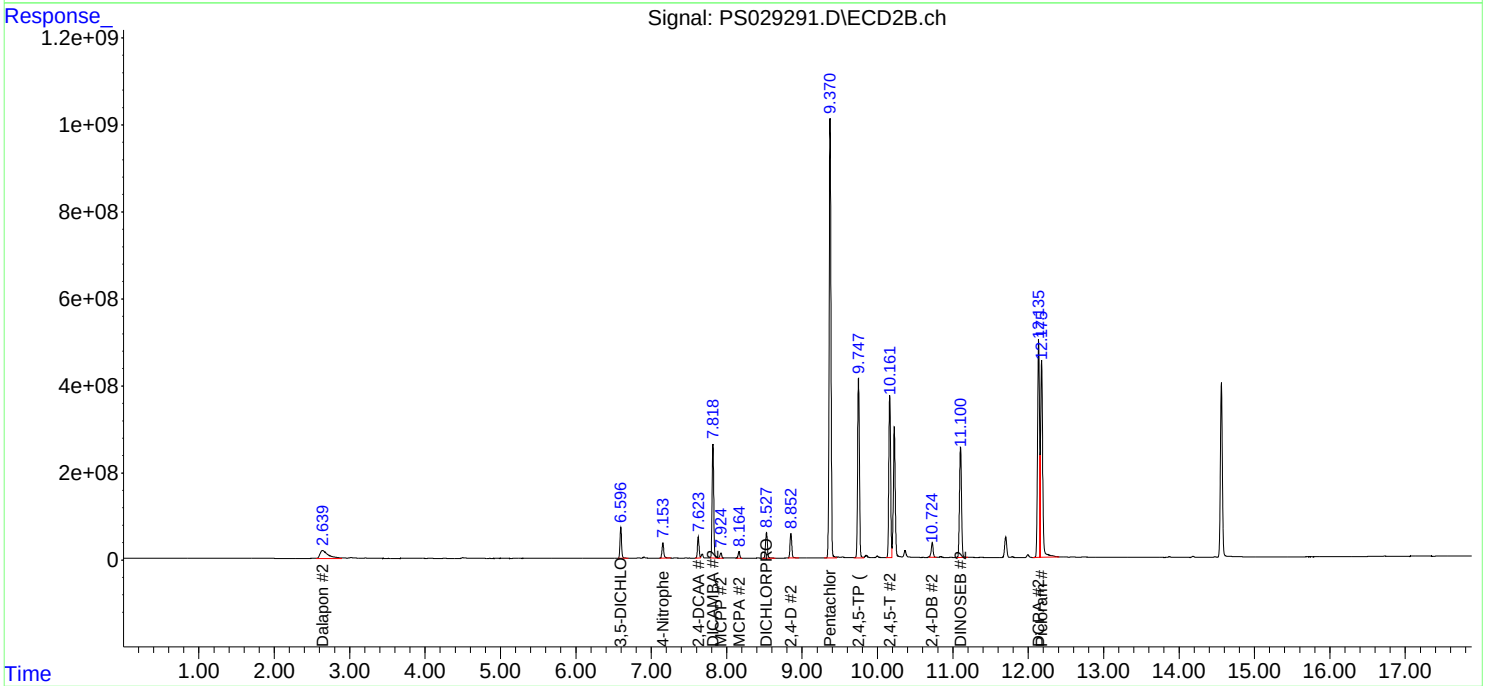
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

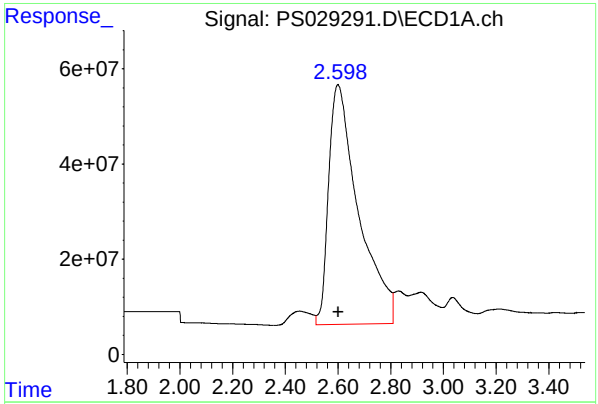
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Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:01:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







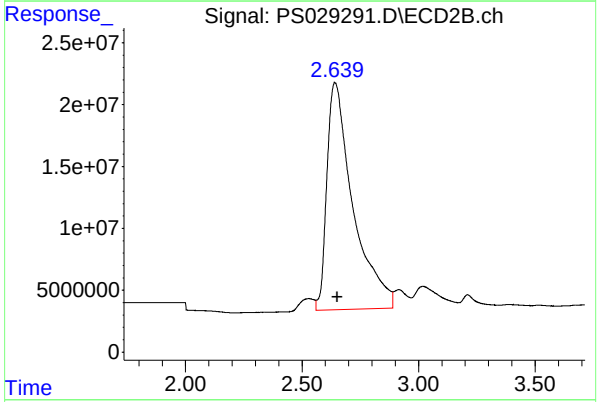
#1 Dalapon

R.T.: 2.600 min
Delta R.T.: 0.000 min
Response: 3960817195
Conc: 717.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

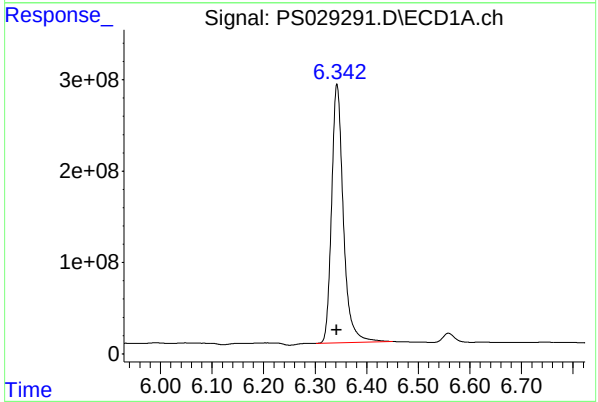
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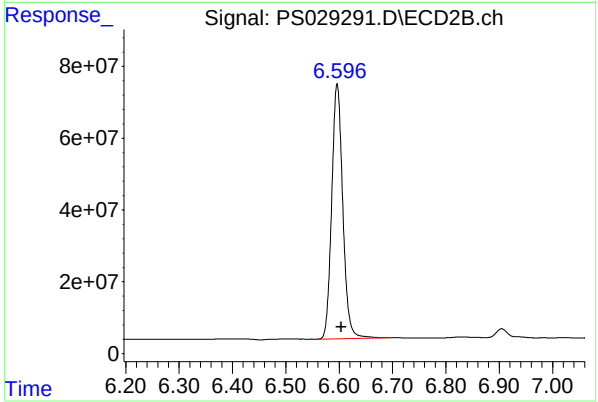
#1 Dalapon

R.T.: 2.640 min
Delta R.T.: -0.011 min
Response: 1430705235
Conc: 675.78 ng/ml



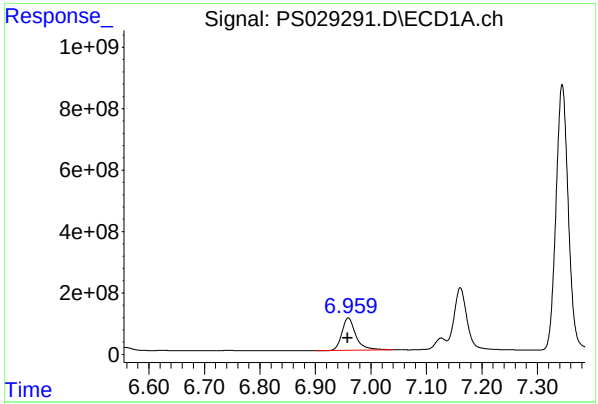
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 4472511577
Conc: 764.39 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.596 min
Delta R.T.: -0.008 min
Response: 1024116283
Conc: 723.19 ng/ml



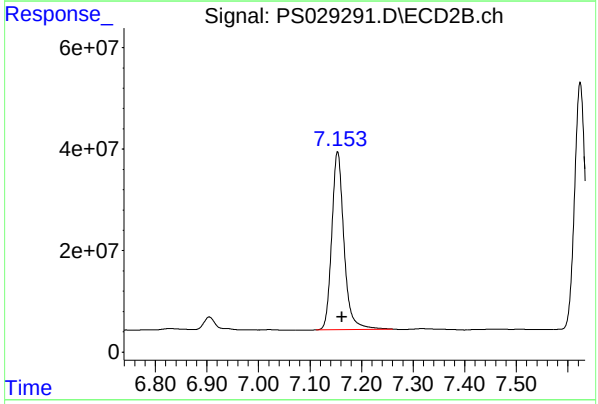
#3 4-Nitrophenol

R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 1832580157
Conc: 783.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

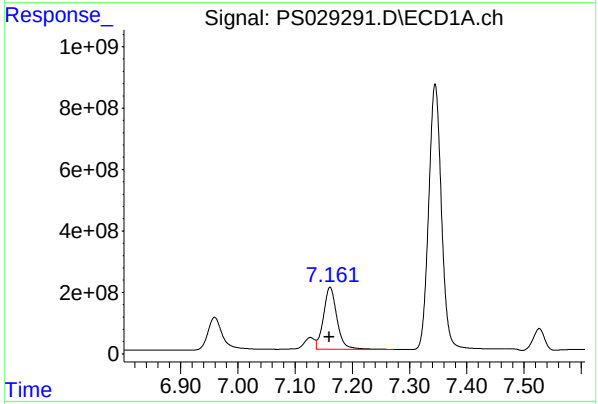
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Supervised By :Ankita Jodhani 02/28/2025



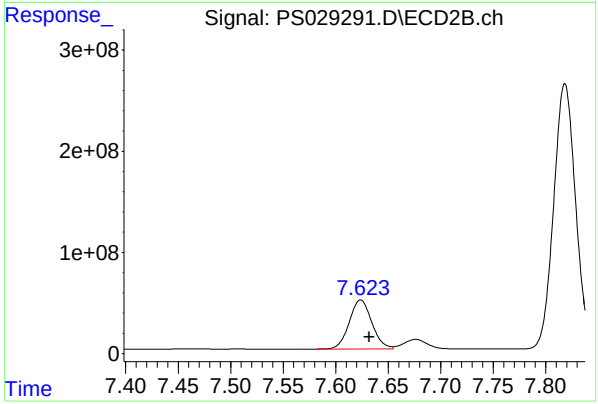
#3 4-Nitrophenol

R.T.: 7.154 min
Delta R.T.: -0.009 min
Response: 576975172
Conc: 723.44 ng/ml



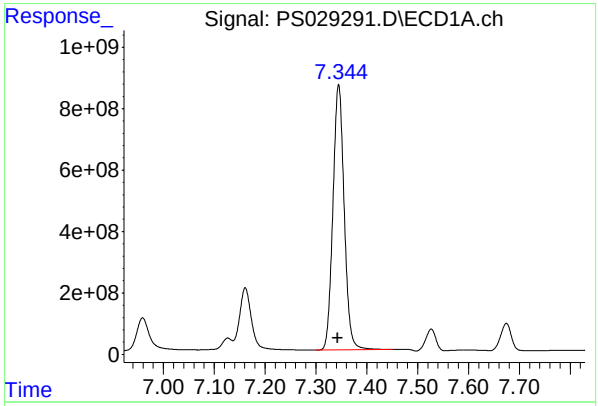
#4 2,4-DCAA

R.T.: 7.161 min
Delta R.T.: 0.001 min
Response: 3298883134
Conc: 800.59 ng/ml



#4 2,4-DCAA

R.T.: 7.624 min
Delta R.T.: -0.008 min
Response: 725903642
Conc: 771.96 ng/ml



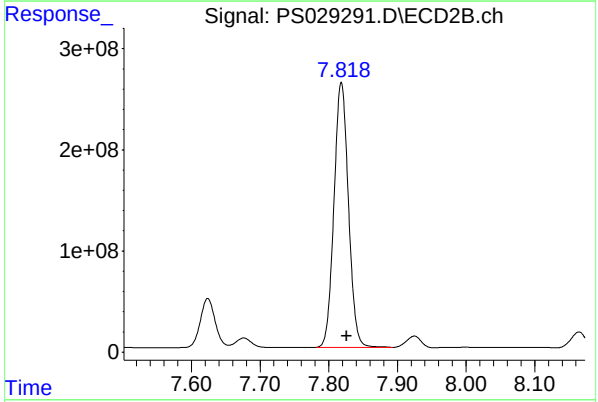
#5 DICAMBA

R.T.: 7.345 min
Delta R.T.: 0.002 min
Response: 13297357950
Conc: 765.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

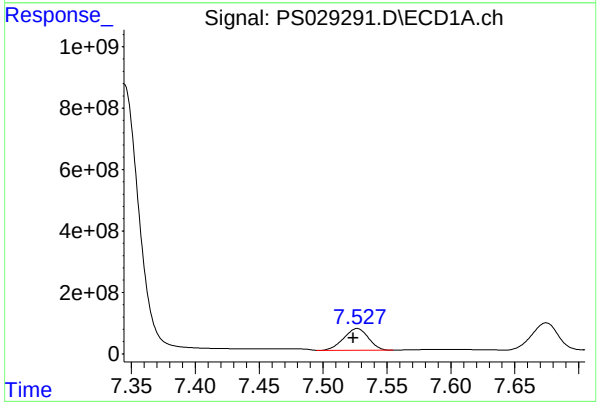
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 02/28/2025



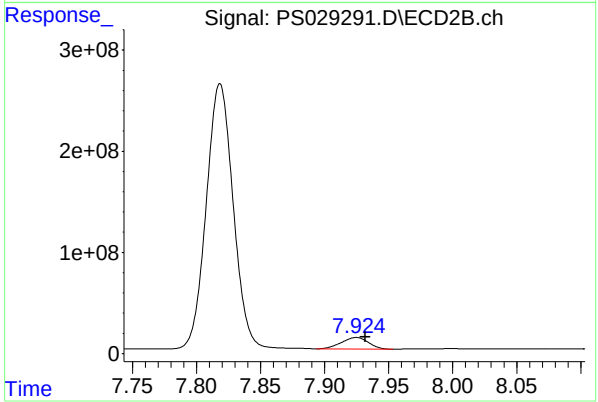
#5 DICAMBA

R.T.: 7.818 min
Delta R.T.: -0.008 min
Response: 3840944594
Conc: 745.38 ng/ml



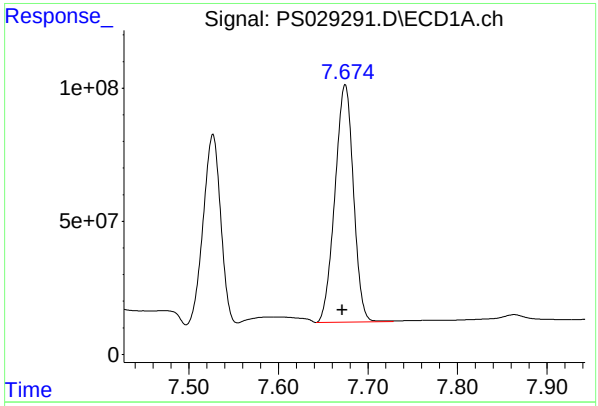
#6 MCPP

R.T.: 7.527 min
Delta R.T.: 0.003 min
Response: 956022849
Conc: 77.56 ug/ml



#6 MCPP

R.T.: 7.925 min
Delta R.T.: -0.007 min
Response: 169143552
Conc: 72.31 ug/ml



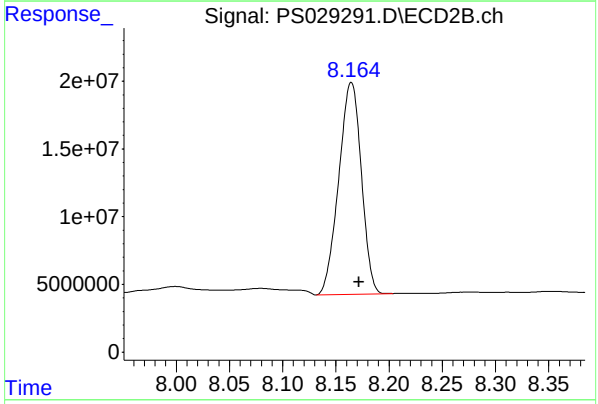
#7 MCPA

R.T.: 7.675 min
Delta R.T.: 0.003 min
Response: 1281166585
Conc: 75.61 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

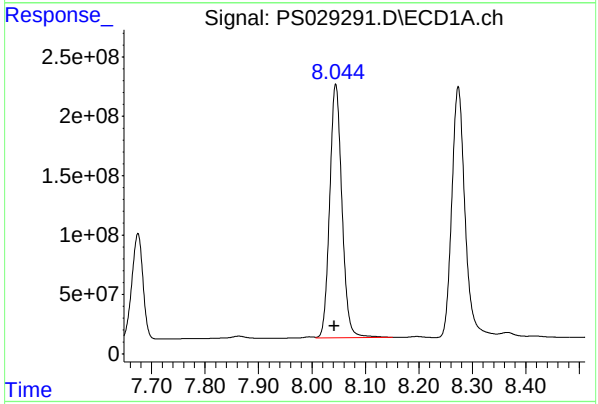
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 02/28/2025



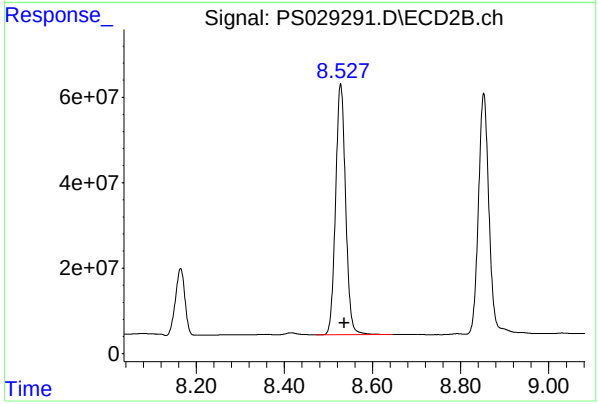
#7 MCPA

R.T.: 8.165 min
Delta R.T.: -0.007 min
Response: 231068348
Conc: 72.44 ug/ml



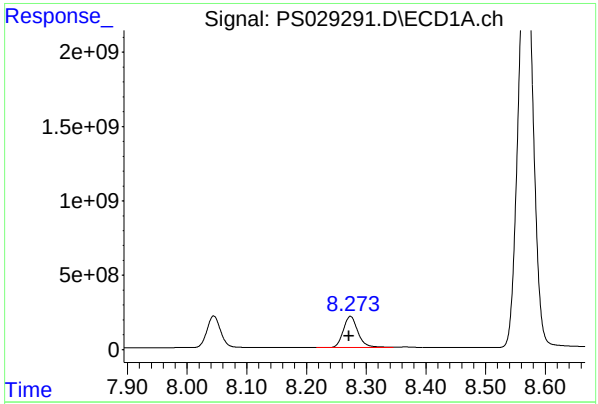
#8 DICHLORPROP

R.T.: 8.044 min
Delta R.T.: 0.003 min
Response: 3405338905
Conc: 740.86 ng/ml



#8 DICHLORPROP

R.T.: 8.528 min
Delta R.T.: -0.009 min
Response: 924553778
Conc: 723.01 ng/ml



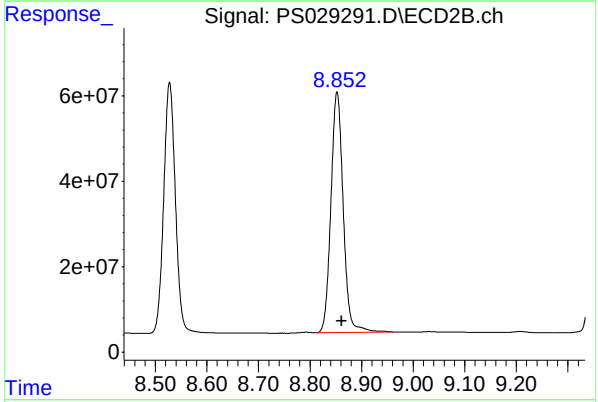
#9 2,4-D

R.T.: 8.274 min
Delta R.T.: 0.002 min
Response: 3579263531
Conc: 753.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

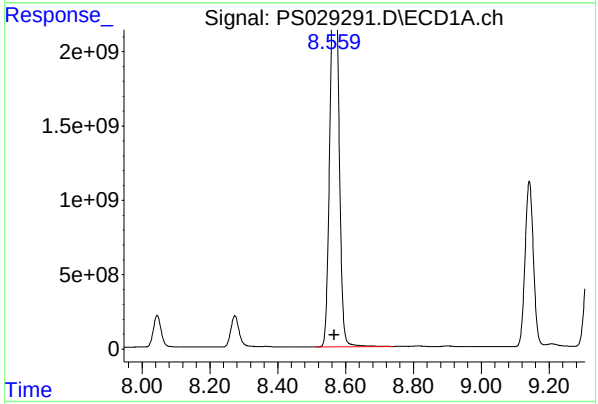
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 02/28/2025



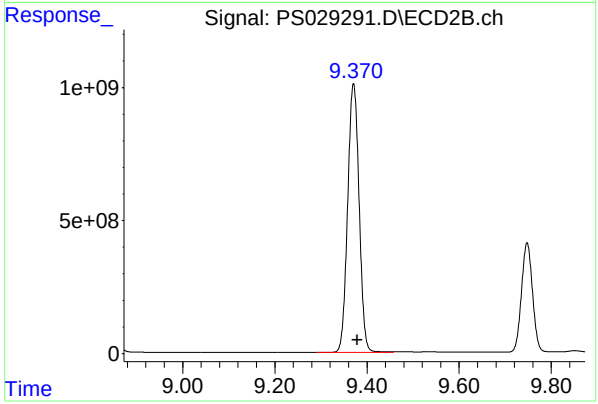
#9 2,4-D

R.T.: 8.852 min
Delta R.T.: -0.009 min
Response: 932639654
Conc: 734.42 ng/ml



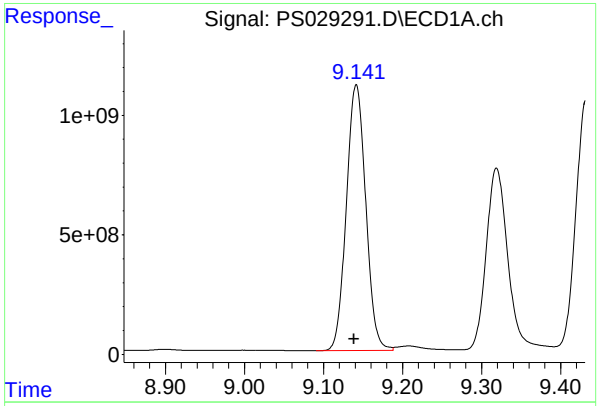
#10 Pentachlorophenol

R.T.: 8.572 min
Delta R.T.: 0.005 min
Response: 44745031571
Conc: 766.76 ng/ml



#10 Pentachlorophenol

R.T.: 9.371 min
Delta R.T.: -0.008 min
Response: 17421485799
Conc: 757.04 ng/ml



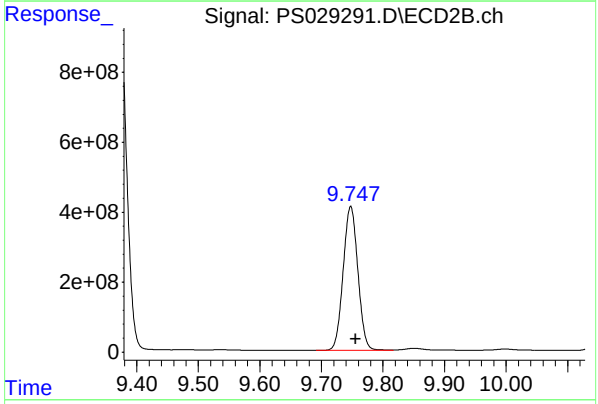
#11 2,4,5-TP (SILVEX)

R.T.: 9.141 min
Delta R.T.: 0.003 min
Response: 18937262517
Conc: 770.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

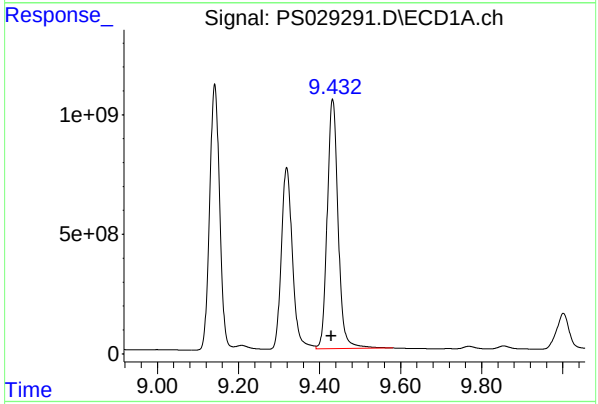
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 02/28/2025



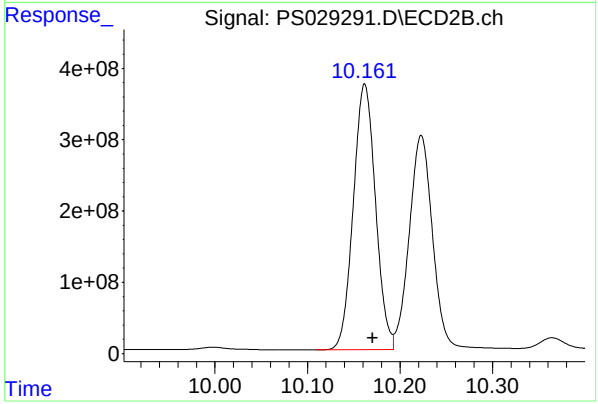
#11 2,4,5-TP (SILVEX)

R.T.: 9.748 min
Delta R.T.: -0.008 min
Response: 6848455979
Conc: 757.85 ng/ml



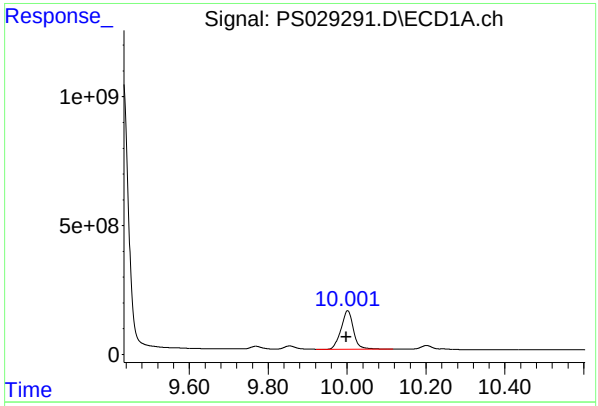
#12 2,4,5-T

R.T.: 9.432 min
Delta R.T.: 0.003 min
Response: 19401627424
Conc: 761.19 ng/ml



#12 2,4,5-T

R.T.: 10.162 min
Delta R.T.: -0.009 min
Response: 6216397596
Conc: 757.15 ng/ml



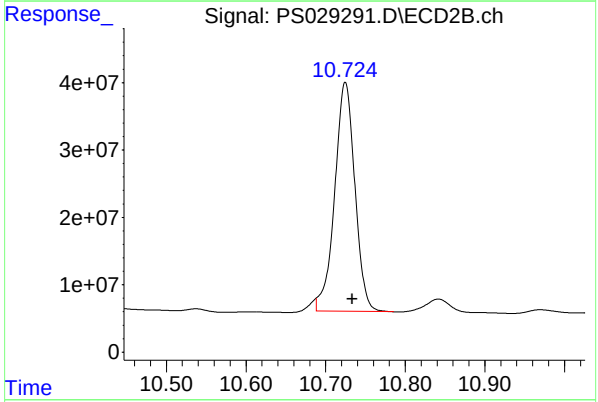
#13 2,4-DB

R.T.: 10.001 min
Delta R.T.: 0.003 mi
Response: 3262188436
Conc: 781.28 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

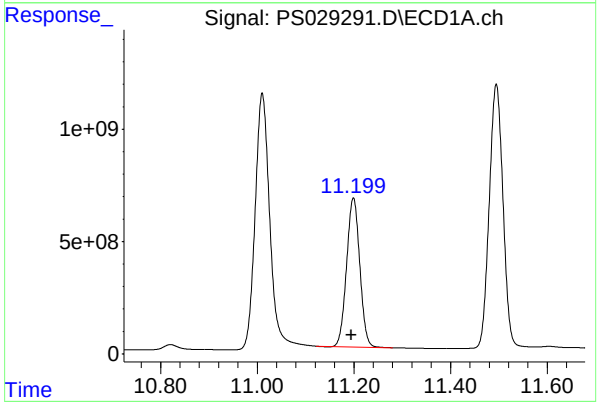
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Supervised By :Ankita Jodhani 02/28/2025



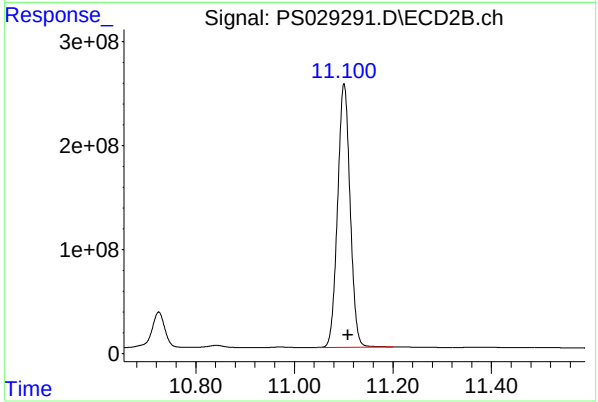
#13 2,4-DB

R.T.: 10.724 min
Delta R.T.: -0.009 min
Response: 597775707
Conc: 780.80 ng/ml m



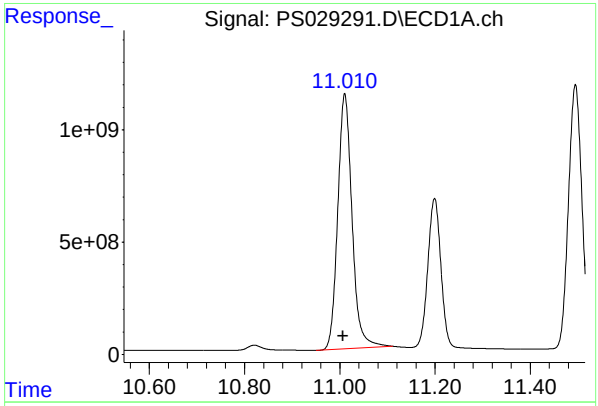
#14 DINOSEB

R.T.: 11.199 min
Delta R.T.: 0.005 min
Response: 12540721814
Conc: 754.06 ng/ml



#14 DINOSEB

R.T.: 11.100 min
Delta R.T.: -0.009 min
Response: 4472115205
Conc: 737.79 ng/ml m



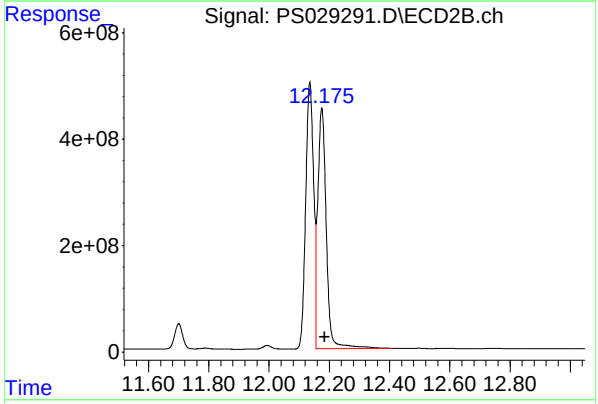
#15 Picloram

R.T.: 11.010 min
Delta R.T.: 0.004 min
Response: 23609806923
Conc: 772.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

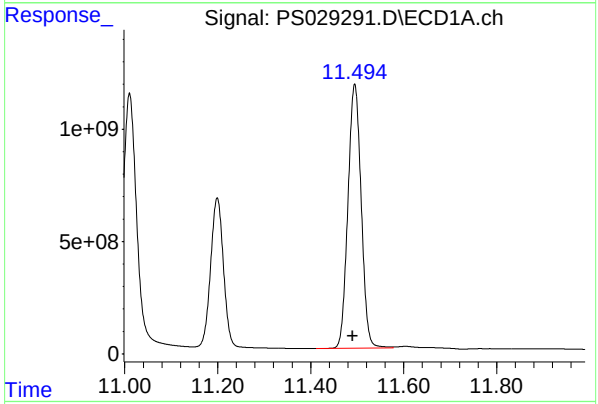
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 02/28/2025



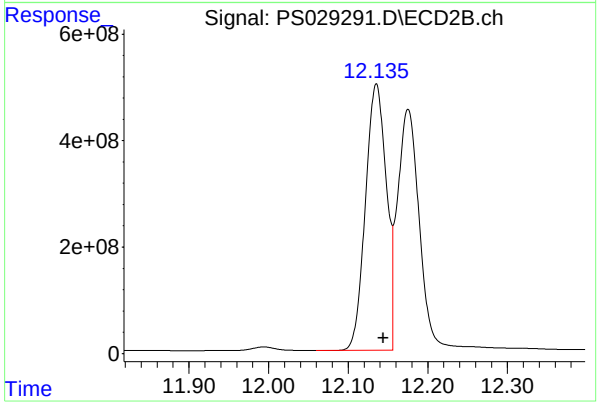
#15 Picloram

R.T.: 12.175 min
Delta R.T.: -0.010 min
Response: 8849592850
Conc: 765.37 ng/ml



#16 DCPA

R.T.: 11.495 min
Delta R.T.: 0.005 min
Response: 23271487472
Conc: 775.63 ng/ml



#16 DCPA

R.T.: 12.135 min
Delta R.T.: -0.009 min
Response: 9143433570
Conc: 772.47 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/26/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 19:23 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.34	7.34	7.24	7.44	0.00
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
Dalapon	2.60	2.60	2.50	2.70	0.00
DICHLORPROP	8.04	8.04	7.94	8.14	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.14	9.14	9.04	9.24	0.00
2,4,5-T	9.43	9.43	9.33	9.53	0.00
2,4-DB	10.00	10.00	9.90	10.10	0.00
Dinoseb	11.19	11.19	11.09	11.29	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/26/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 19:23 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.82	7.83	7.73	7.93	0.01
2,4-DCAA	7.63	7.63	7.53	7.73	0.00
Dalapon	2.65	2.65	2.55	2.75	0.00
DICHLORPROP	8.53	8.54	8.44	8.64	0.01
2,4-D	8.86	8.86	8.76	8.96	0.00
2,4,5-TP(Silvex)	9.75	9.76	9.66	9.86	0.01
2,4,5-T	10.17	10.17	10.07	10.27	0.01
2,4-DB	10.73	10.73	10.63	10.83	0.00
Dinoseb	11.10	11.11	11.01	11.21	0.01

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL06 **Date Analyzed:** 02/26/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029303.D **Time Analyzed:** 19:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.427	9.329	9.529	765.500	712.500	7.4
2,4,5-TP(Silvex)	9.137	9.038	9.238	766.410	712.500	7.6
2,4-D	8.269	8.171	8.371	750.970	705.000	6.5
2,4-DB	9.996	9.898	10.098	768.040	712.500	7.8
2,4-DCAA	7.158	7.060	7.260	796.740	750.000	6.2
Dalapon	2.600	2.500	2.700	689.240	682.500	1.0
DICAMBA	7.341	7.243	7.443	761.360	705.000	8.0
DICHLORPROP	8.040	7.942	8.142	740.310	705.000	5.0
Dinoseb	11.193	11.094	11.294	747.850	705.000	6.1

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL06 **Date Analyzed:** 02/26/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029303.D **Time Analyzed:** 19:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.165	10.070	10.270	764.870	712.500	7.4
2,4,5-TP(Silvex)	9.750	9.656	9.856	764.830	712.500	7.3
2,4-D	8.856	8.761	8.961	743.990	705.000	5.5
2,4-DB	10.728	10.634	10.834	714.720	712.500	0.3
2,4-DCAA	7.627	7.532	7.732	778.000	750.000	3.7
Dalapon	2.647	2.551	2.751	667.410	682.500	-2.2
DICAMBA	7.821	7.726	7.926	753.200	705.000	6.8
DICHLORPROP	8.531	8.436	8.636	740.930	705.000	5.1
Dinoseb	11.103	11.009	11.209	736.630	705.000	4.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 19:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:06:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.158	7.627	3283.0E6	731.6E6	796.743	778.000
	Target Compounds						
1) T	Dalapon	2.600	2.647	3804.8E6	1413.0E6	689.241	667.412
2) T	3,5-DICHL...	6.340	6.600	4408.9E6	1030.2E6	753.511	727.499
3) T	4-Nitroph...	6.957	7.157	1738.5E6	569.1E6	742.893	713.596
5) T	DICAMBA	7.341	7.821	13221.8E6	3881.2E6	761.361	753.198
6) T	MCPP	7.523	7.927	963.2E6	174.6E6	78.142	74.627
7) T	MCPA	7.671	8.167	1285.7E6	236.0E6	75.874	74.000
8) T	DICHLORPROP	8.040	8.531	3402.8E6	947.5E6	740.315	740.931
9) T	2,4-D	8.269	8.856	3567.4E6	944.8E6	750.967	743.986
10) T	Pentachlo...	8.567	9.373	44610.2E6	17597.1E6	764.447	764.670
11) T	2,4,5-TP ...	9.137	9.750	18843.6E6	6911.5E6	766.407	764.829
12) T	2,4,5-T	9.427	10.165	19511.7E6	6279.8E6	765.504	764.871
13) T	2,4-DB	9.996	10.728	3206.9E6	547.2E6	768.044	714.718
14) T	DINOSEB	11.193	11.103	12437.4E6	4465.1E6	747.855	736.630m
15) T	Picloram	11.005	12.178	22952.5E6	8402.9E6	751.469	726.740
16) T	DCPA	11.488	12.137	23129.5E6	9259.5E6	770.894	782.276

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

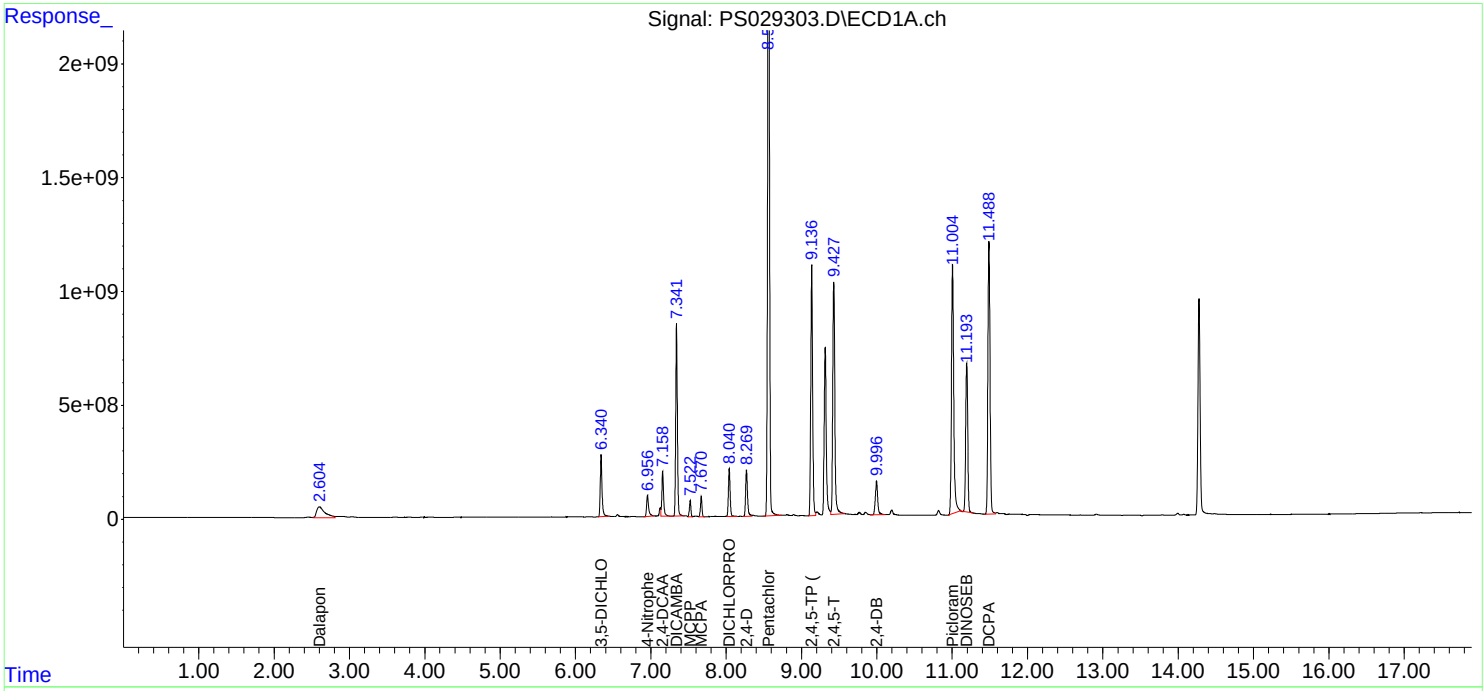
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Data File : PS029303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 19:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

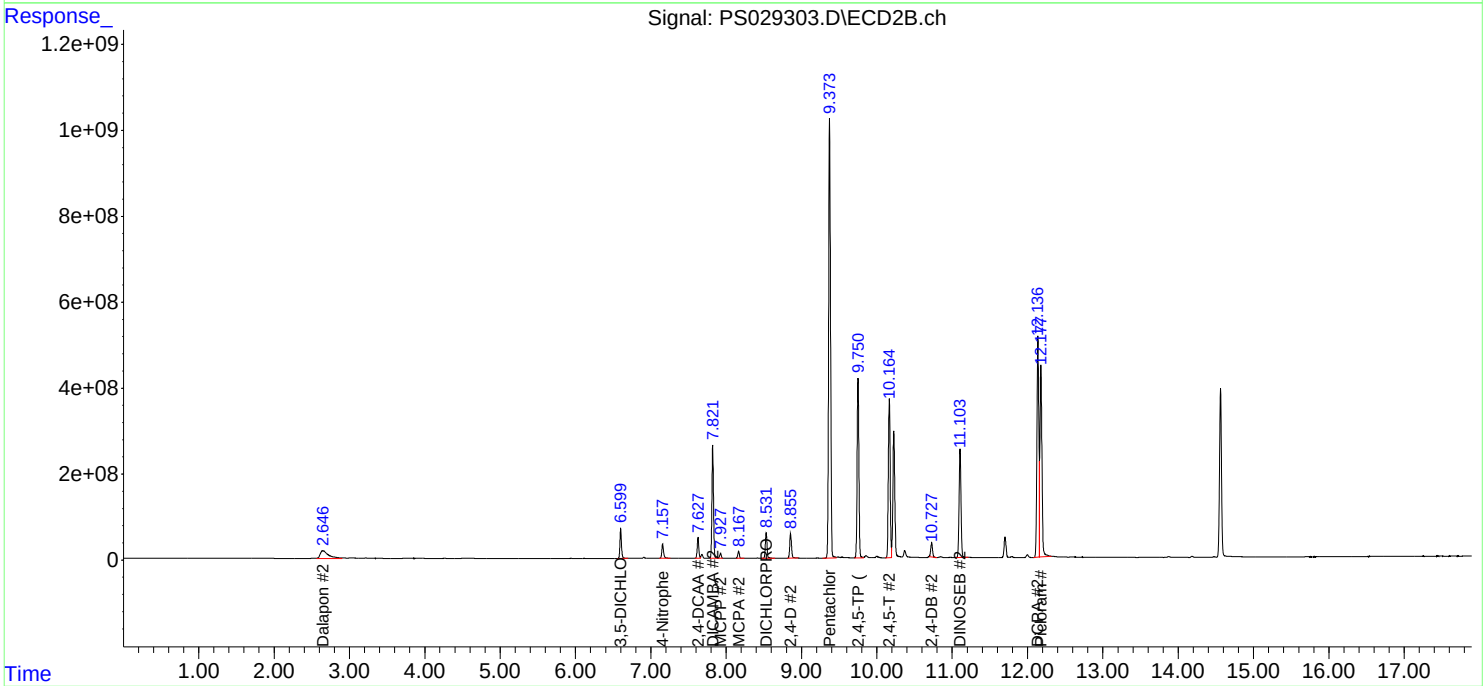
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

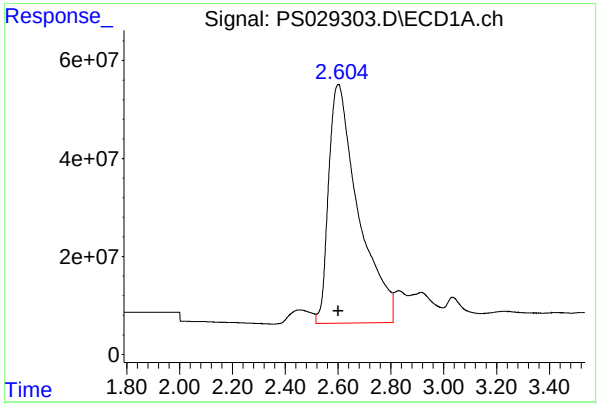
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:06:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







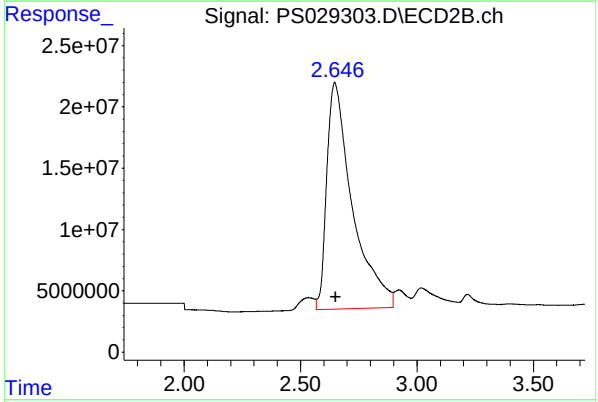
#1 Dalapon

R.T.: 2.600 min
Delta R.T.: 0.000 min
Response: 3804805677
Conc: 689.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

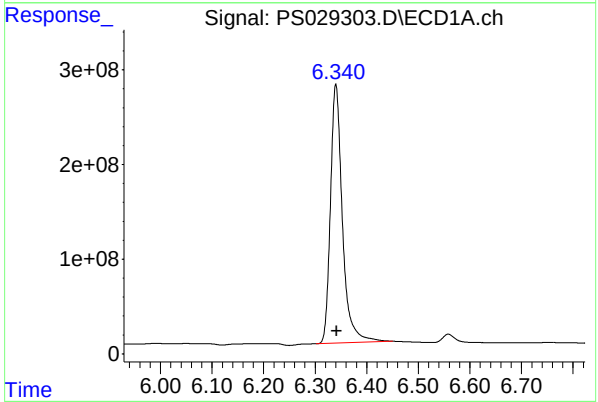
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



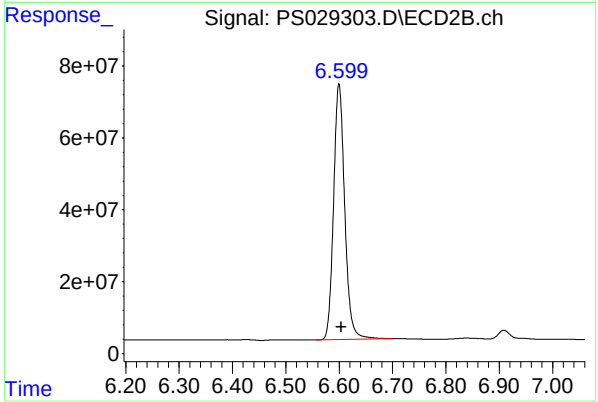
#1 Dalapon

R.T.: 2.647 min
Delta R.T.: -0.004 min
Response: 1412990643
Conc: 667.41 ng/ml



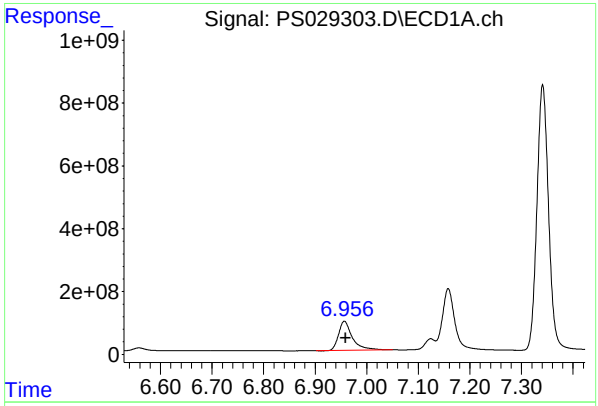
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.340 min
Delta R.T.: -0.001 min
Response: 4408883097
Conc: 753.51 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.600 min
Delta R.T.: -0.004 min
Response: 1030222349
Conc: 727.50 ng/ml



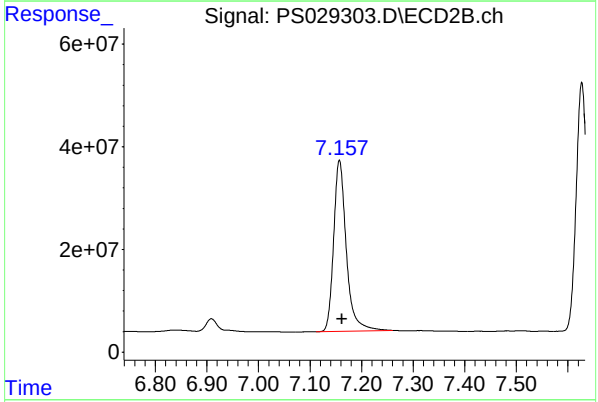
#3 4-Nitrophenol

R.T.: 6.957 min
Delta R.T.: -0.002 min
Response: 1738505367
Conc: 742.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

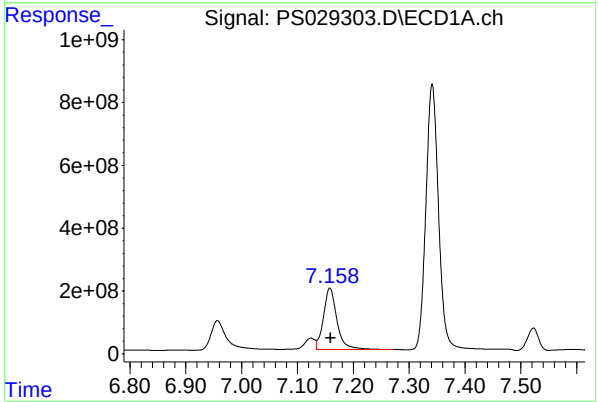
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



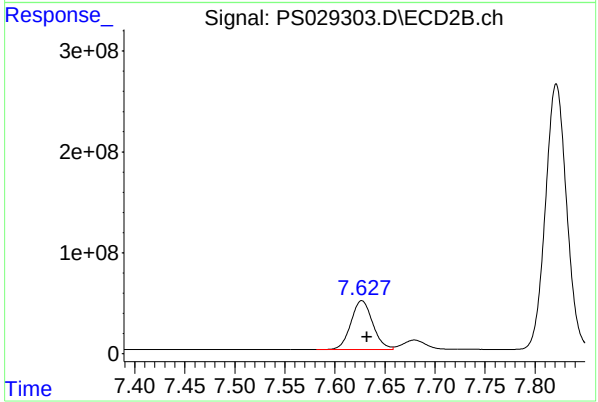
#3 4-Nitrophenol

R.T.: 7.157 min
Delta R.T.: -0.005 min
Response: 569126968
Conc: 713.60 ng/ml



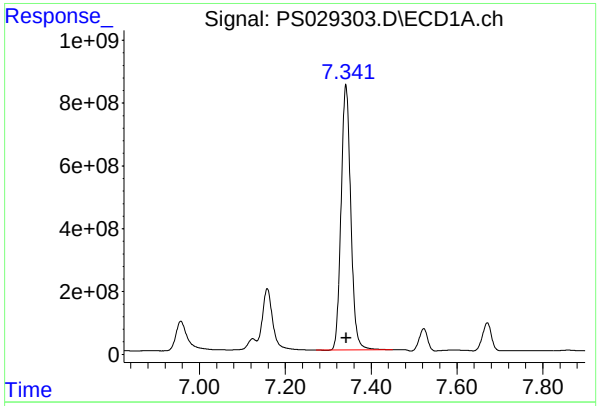
#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 3283039909
Conc: 796.74 ng/ml



#4 2,4-DCAA

R.T.: 7.627 min
Delta R.T.: -0.005 min
Response: 731578842
Conc: 778.00 ng/ml



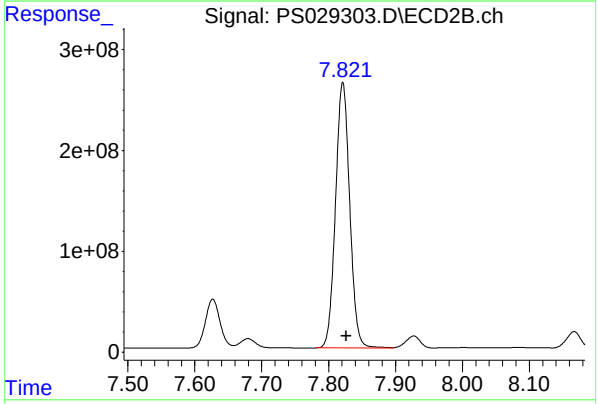
#5 DICAMBA

R.T.: 7.341 min
Delta R.T.: -0.001 min
Response: 13221756135
Conc: 761.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

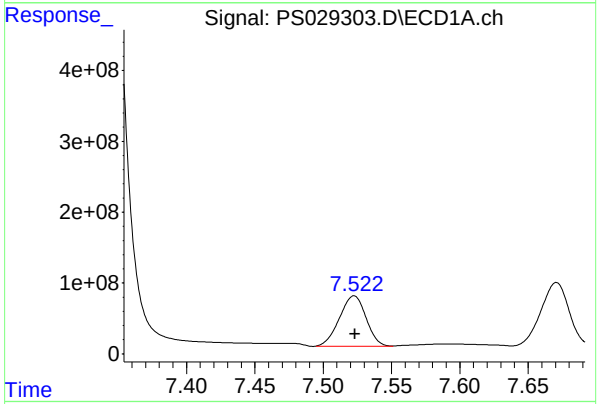
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



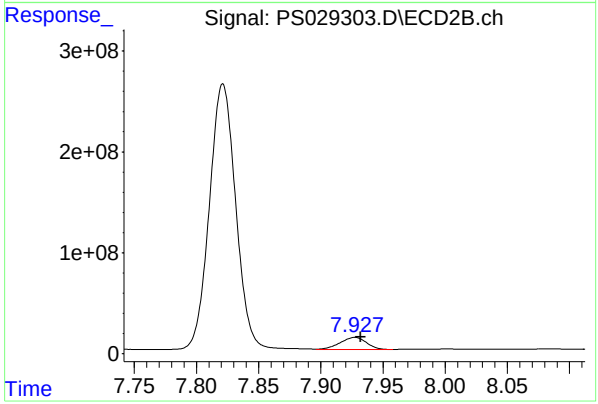
#5 DICAMBA

R.T.: 7.821 min
Delta R.T.: -0.005 min
Response: 3881205937
Conc: 753.20 ng/ml



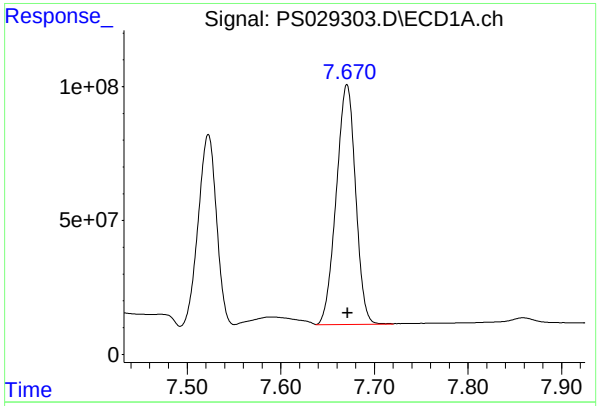
#6 MCPP

R.T.: 7.523 min
Delta R.T.: 0.000 min
Response: 963159321
Conc: 78.14 ug/ml



#6 MCPP

R.T.: 7.927 min
Delta R.T.: -0.005 min
Response: 174564165
Conc: 74.63 ug/ml



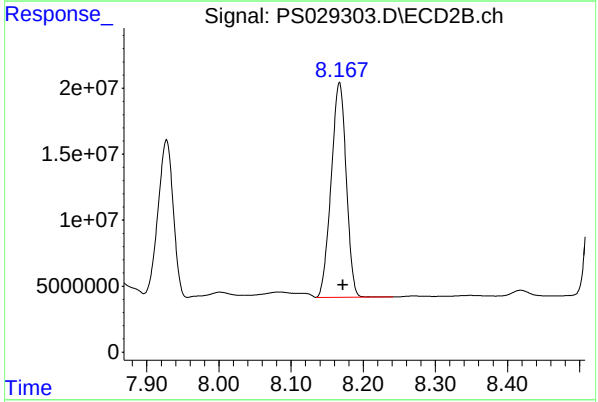
#7 MCPA

R.T.: 7.671 min
Delta R.T.: 0.000 min
Response: 1285713868
Conc: 75.87 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

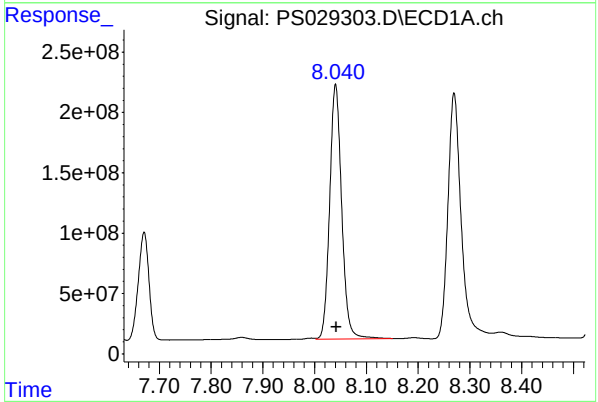
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



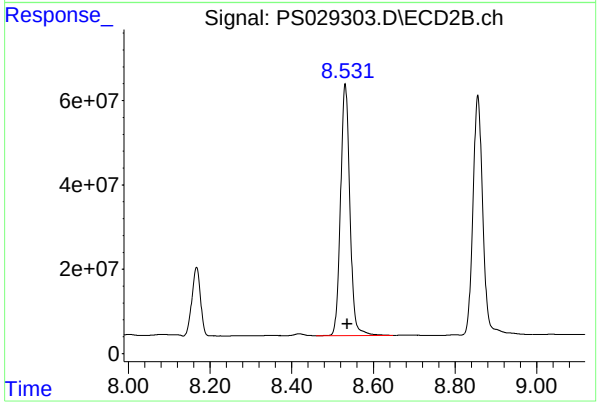
#7 MCPA

R.T.: 8.167 min
Delta R.T.: -0.005 min
Response: 236039621
Conc: 74.00 ug/ml



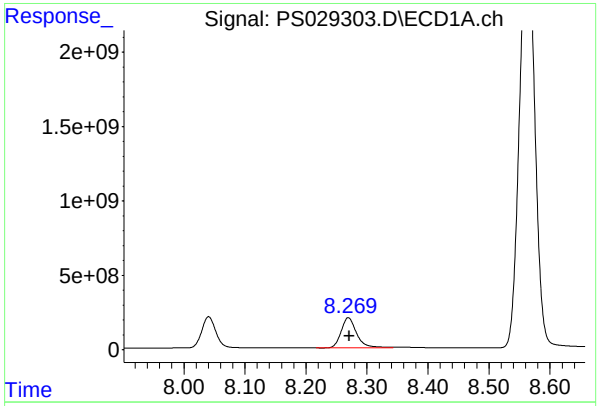
#8 DICHLORPROP

R.T.: 8.040 min
Delta R.T.: -0.001 min
Response: 3402827486
Conc: 740.31 ng/ml



#8 DICHLORPROP

R.T.: 8.531 min
Delta R.T.: -0.005 min
Response: 947473333
Conc: 740.93 ng/ml



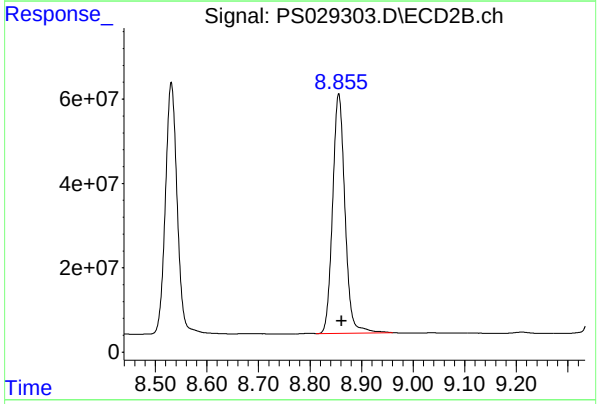
#9 2,4-D

R.T.: 8.269 min
Delta R.T.: -0.002 min
Response: 3567413792
Conc: 750.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

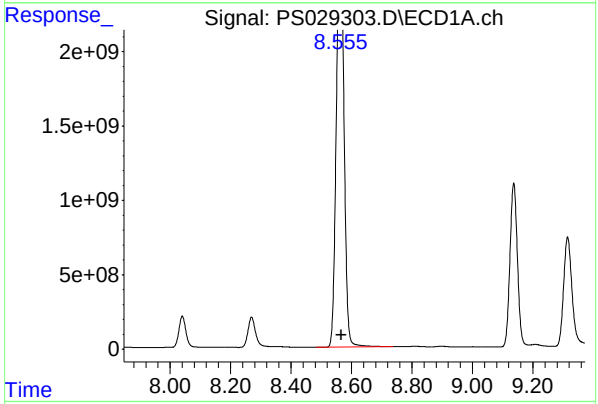
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



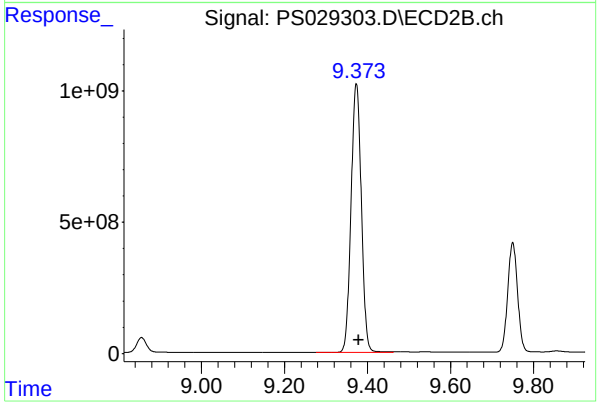
#9 2,4-D

R.T.: 8.856 min
Delta R.T.: -0.005 min
Response: 944784484
Conc: 743.99 ng/ml



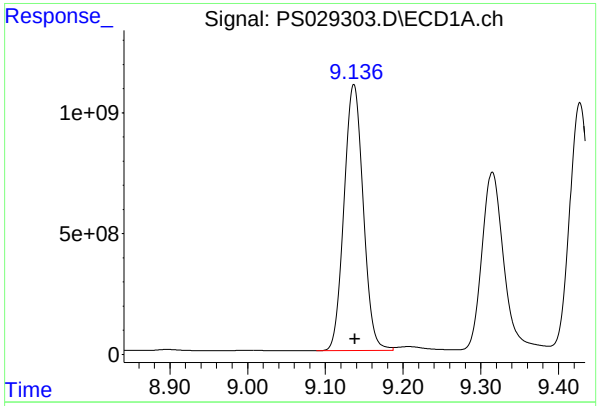
#10 Pentachlorophenol

R.T.: 8.567 min
Delta R.T.: 0.000 min
Response: 44610197167
Conc: 764.45 ng/ml



#10 Pentachlorophenol

R.T.: 9.373 min
Delta R.T.: -0.006 min
Response: 17597098346
Conc: 764.67 ng/ml



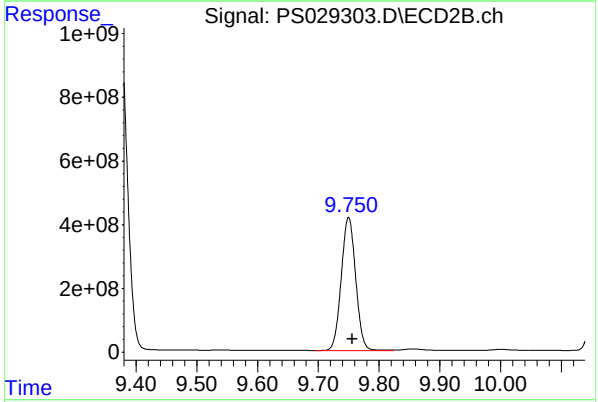
#11 2,4,5-TP (SILVEX)

R.T.: 9.137 min
Delta R.T.: -0.002 min
Response: 18843612084
Conc: 766.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

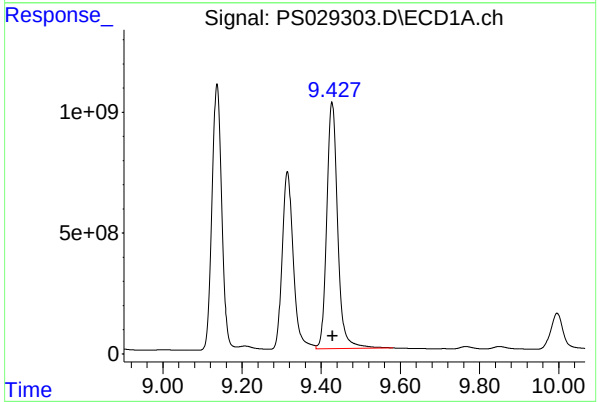
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



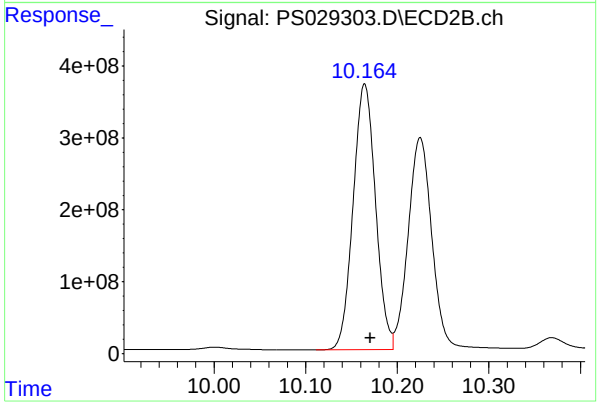
#11 2,4,5-TP (SILVEX)

R.T.: 9.750 min
Delta R.T.: -0.006 min
Response: 6911530143
Conc: 764.83 ng/ml



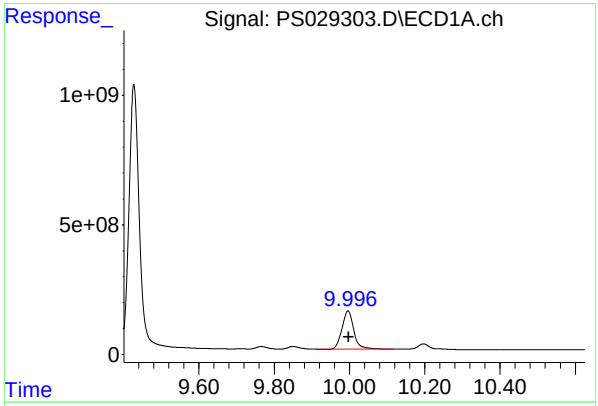
#12 2,4,5-T

R.T.: 9.427 min
Delta R.T.: -0.002 min
Response: 19511701928
Conc: 765.50 ng/ml



#12 2,4,5-T

R.T.: 10.165 min
Delta R.T.: -0.006 min
Response: 6279815603
Conc: 764.87 ng/ml



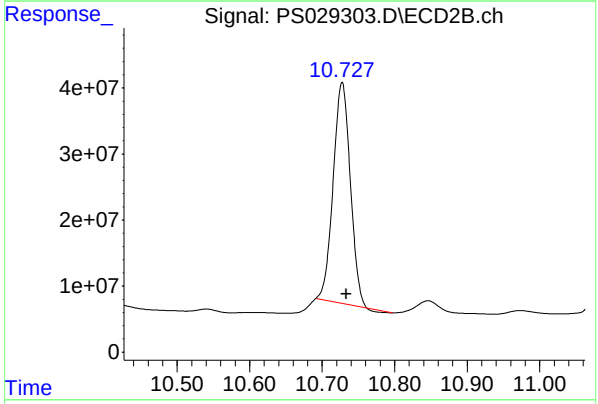
#13 2,4-DB

R.T.: 9.996 min
Delta R.T.: -0.002 min
Response: 3206911237
Conc: 768.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

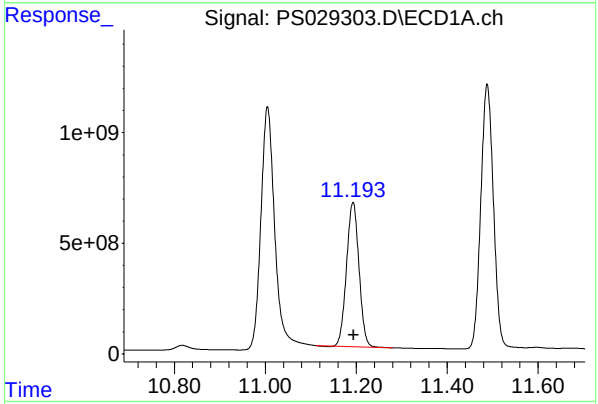
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



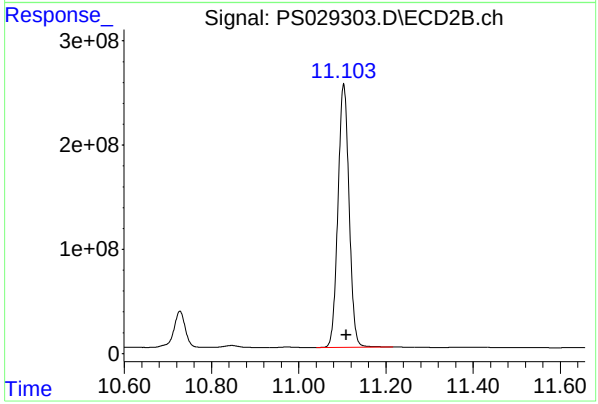
#13 2,4-DB

R.T.: 10.728 min
Delta R.T.: -0.006 min
Response: 547182210
Conc: 714.72 ng/ml



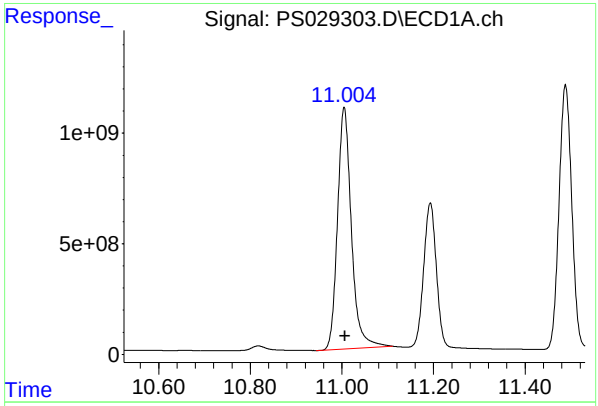
#14 DINOSEB

R.T.: 11.193 min
Delta R.T.: -0.001 min
Response: 12437444341
Conc: 747.85 ng/ml



#14 DINOSEB

R.T.: 11.103 min
Delta R.T.: -0.007 min
Response: 4465101466
Conc: 736.63 ng/ml m



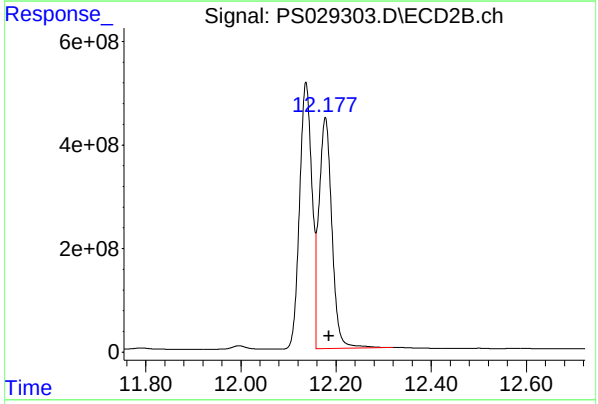
#15 Picloram

R.T.: 11.005 min
Delta R.T.: -0.002 min
Response: 22952488483
Conc: 751.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

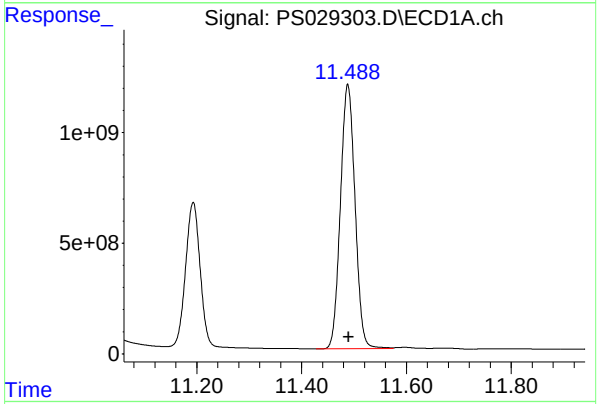
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



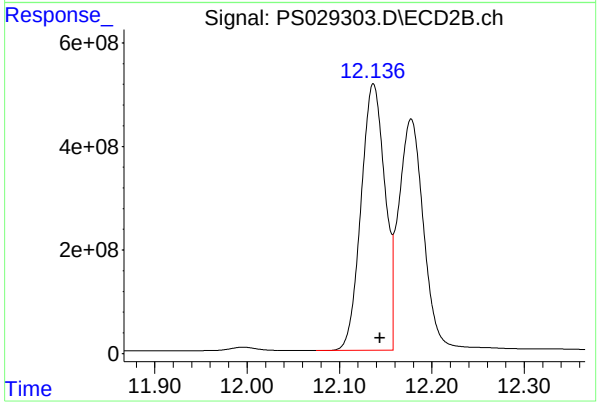
#15 Picloram

R.T.: 12.178 min
Delta R.T.: -0.008 min
Response: 8402886108
Conc: 726.74 ng/ml



#16 DCPA

R.T.: 11.488 min
Delta R.T.: -0.002 min
Response: 23129490951
Conc: 770.89 ng/ml



#16 DCPA

R.T.: 12.137 min
Delta R.T.: -0.007 min
Response: 9259455023
Conc: 782.28 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/26/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 21:23 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.34	7.34	7.24	7.44	0.00
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
Dalapon	2.60	2.60	2.50	2.70	0.00
DICHLORPROP	8.04	8.04	7.94	8.14	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.14	9.14	9.04	9.24	0.00
2,4,5-T	9.43	9.43	9.33	9.53	0.00
2,4-DB	10.00	10.00	9.90	10.10	0.01
Dinoseb	11.19	11.19	11.09	11.29	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/26/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 21:23 **Initial Calibration Time(s):** 19:56 21:32

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.82	7.83	7.73	7.93	0.01
2,4-DCAA	7.63	7.63	7.53	7.73	0.00
Dalapon	2.64	2.65	2.55	2.75	0.01
DICHLORPROP	8.53	8.54	8.44	8.64	0.01
2,4-D	8.86	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.75	9.76	9.66	9.86	0.01
2,4,5-T	10.16	10.17	10.07	10.27	0.01
2,4-DB	10.73	10.73	10.63	10.83	0.00
Dinoseb	11.10	11.11	11.01	11.21	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL07 **Date Analyzed:** 02/26/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029306.D **Time Analyzed:** 21:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.427	9.329	9.529	760.660	712.500	6.8
2,4,5-TP(Silvex)	9.136	9.038	9.238	760.160	712.500	6.7
2,4-D	8.269	8.171	8.371	741.530	705.000	5.2
2,4-DB	9.995	9.898	10.098	757.140	712.500	6.3
2,4-DCAA	7.158	7.060	7.260	789.260	750.000	5.2
Dalapon	2.598	2.500	2.700	681.100	682.500	-0.2
DICAMBA	7.341	7.243	7.443	755.860	705.000	7.2
DICHLORPROP	8.040	7.942	8.142	733.570	705.000	4.1
Dinoseb	11.190	11.094	11.294	754.200	705.000	7.0

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL07 **Date Analyzed:** 02/26/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029306.D **Time Analyzed:** 21:23

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.163	10.070	10.270	754.990	712.500	6.0
2,4,5-TP(Silvex)	9.749	9.656	9.856	755.460	712.500	6.0
2,4-D	8.855	8.761	8.961	732.860	705.000	4.0
2,4-DB	10.726	10.634	10.834	696.200	712.500	-2.3
2,4-DCAA	7.626	7.532	7.732	766.950	750.000	2.3
Dalapon	2.644	2.551	2.751	663.190	682.500	-2.8
DICAMBA	7.820	7.726	7.926	742.730	705.000	5.4
DICHLORPROP	8.530	8.436	8.636	728.530	705.000	3.3
Dinoseb	11.101	11.009	11.209	729.530	705.000	3.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 21:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:07:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.158	7.626	3252.2E6	721.2E6	789.261	766.949
	Target Compounds						
1) T	Dalapon	2.598	2.644	3759.9E6	1404.0E6	681.103	663.188
2) T	3,5-DICHL...	6.340	6.599	4345.9E6	1012.5E6	742.750	714.951
3) T	4-Nitroph...	6.957	7.156	1692.0E6	554.2E6	723.026	694.935
5) T	DICAMBA	7.341	7.820	13126.2E6	3827.3E6	755.856	742.730
6) T	MCPP	7.522	7.927	943.9E6	174.5E6	76.582	74.600
7) T	MCPA	7.670	8.166	1275.6E6	234.9E6	75.275	73.632
8) T	DICHLORPROP	8.040	8.530	3371.8E6	931.6E6	733.575	728.533
9) T	2,4-D	8.269	8.855	3522.6E6	930.7E6	741.526	732.859
10) T	Pentachlo...	8.566	9.372	44882.3E6	17387.9E6	769.110	755.580
11) T	2,4,5-TP ...	9.136	9.749	18690.1E6	6826.9E6	760.163	755.460
12) T	2,4,5-T	9.427	10.163	19388.2E6	6198.7E6	760.656	754.989
13) T	2,4-DB	9.995	10.726	3161.4E6	533.0E6	757.140	696.201
14) T	DINOSEB	11.190	11.101	12542.9E6	4422.1E6	754.197m	729.534m
15) T	Picloram	11.004	12.176	23037.3E6	8662.9E6	754.245	749.226
16) T	DCPA	11.487	12.135	22950.9E6	9116.0E6	764.940	770.154

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

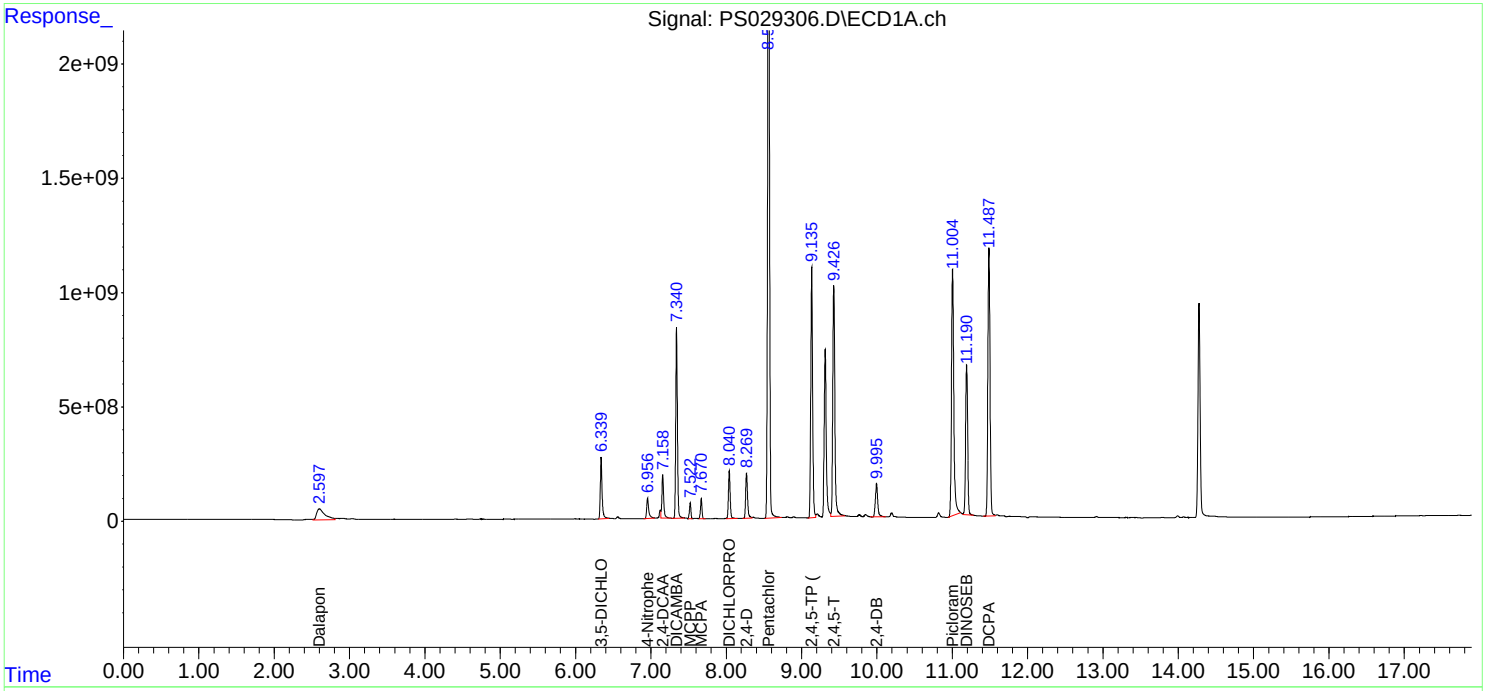
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 21:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

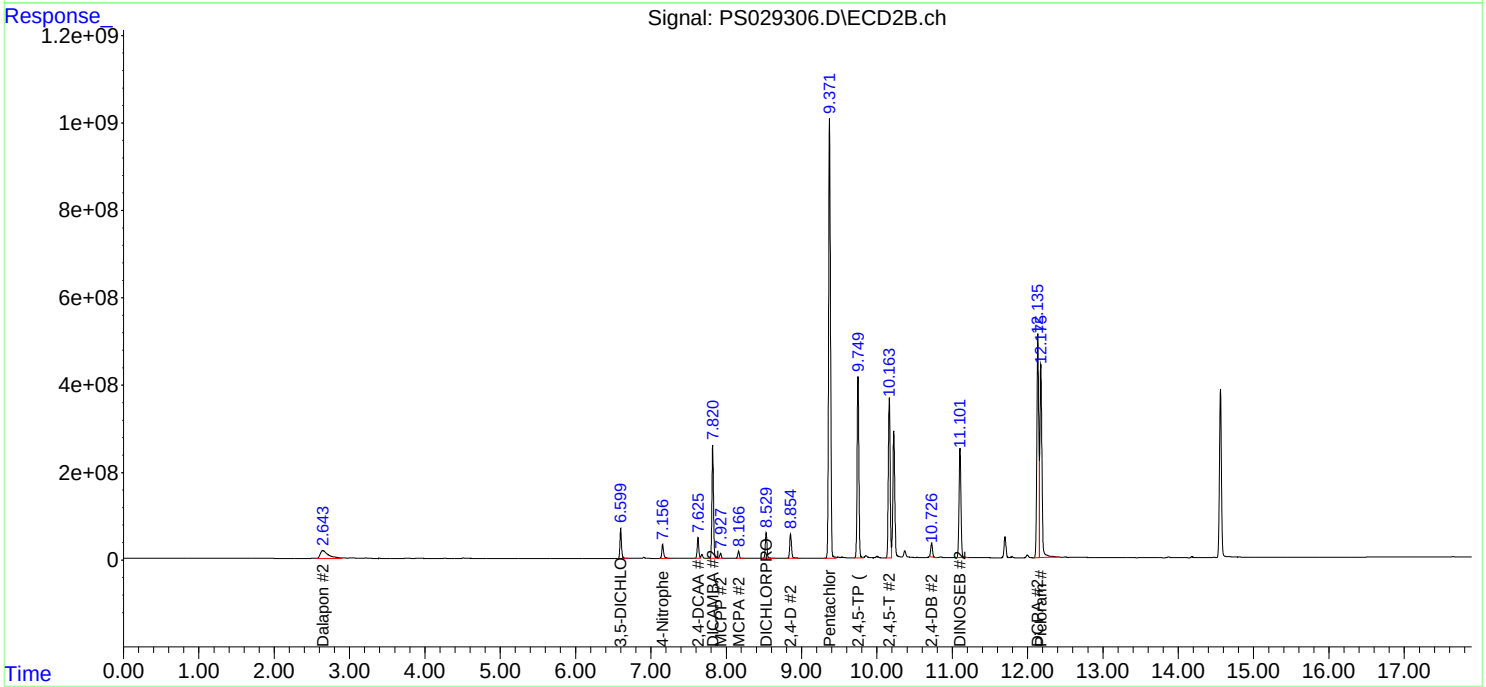
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

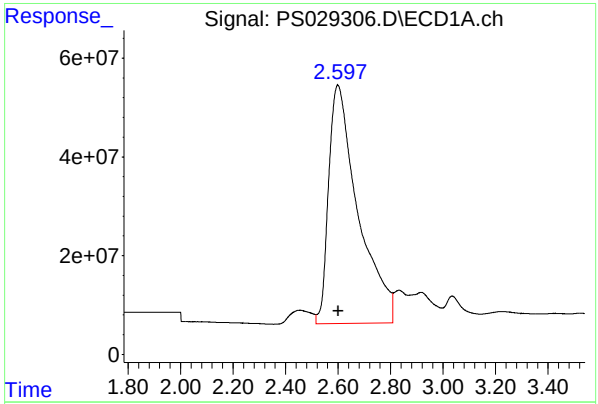
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:07:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







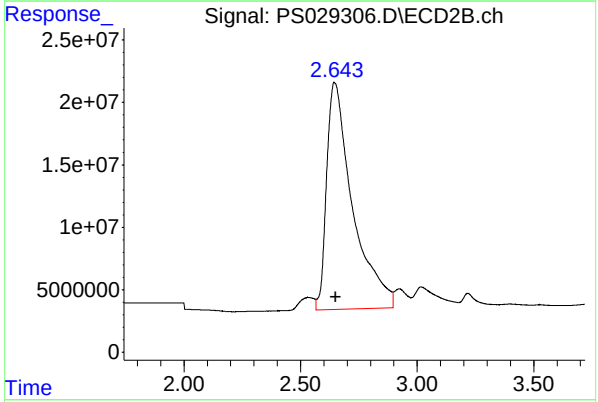
#1 Dalapon

R.T.: 2.598 min
Delta R.T.: -0.002 min
Response: 3759885340
Conc: 681.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

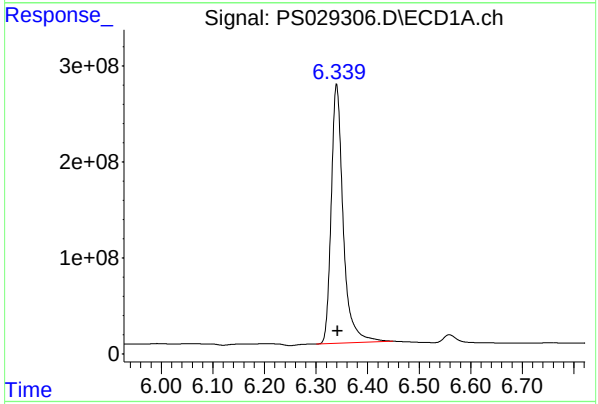
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



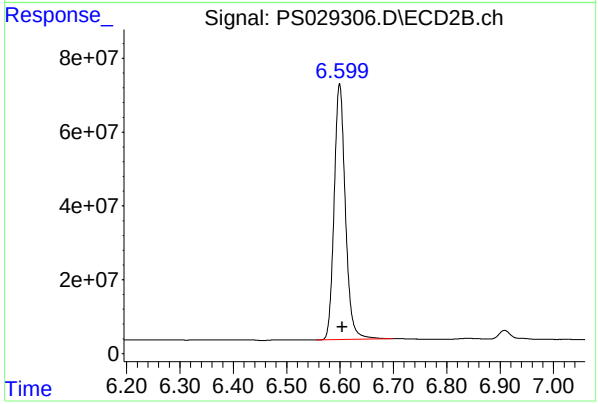
#1 Dalapon

R.T.: 2.644 min
Delta R.T.: -0.007 min
Response: 1404049629
Conc: 663.19 ng/ml



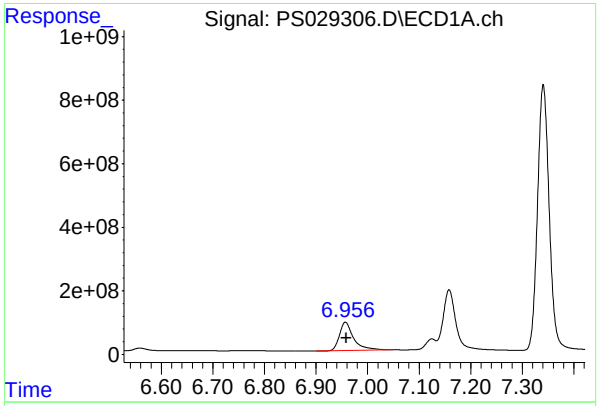
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.340 min
Delta R.T.: -0.002 min
Response: 4345917294
Conc: 742.75 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.599 min
Delta R.T.: -0.005 min
Response: 1012452952
Conc: 714.95 ng/ml



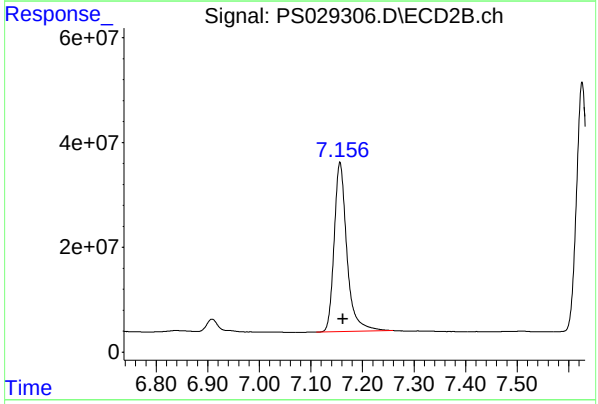
#3 4-Nitrophenol

R.T.: 6.957 min
Delta R.T.: -0.002 min
Response: 1692015051
Conc: 723.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

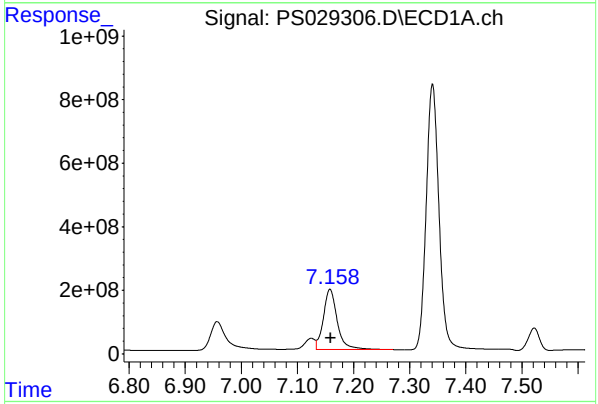
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



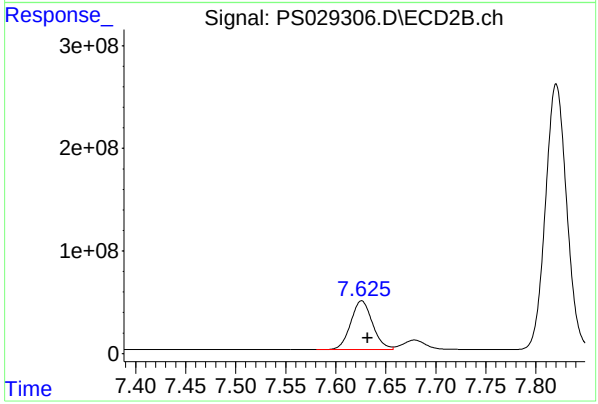
#3 4-Nitrophenol

R.T.: 7.156 min
Delta R.T.: -0.006 min
Response: 554244220
Conc: 694.94 ng/ml



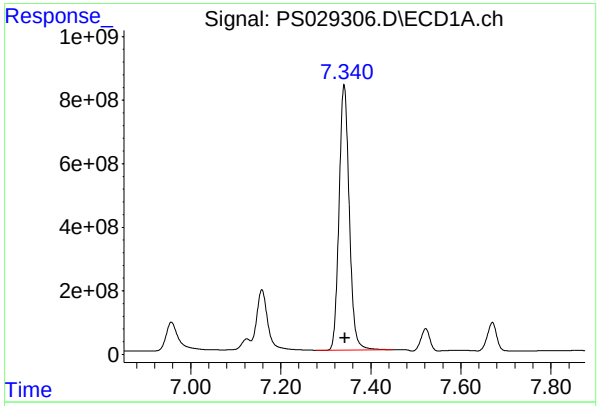
#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 3252213044
Conc: 789.26 ng/ml



#4 2,4-DCAA

R.T.: 7.626 min
Delta R.T.: -0.006 min
Response: 721187024
Conc: 766.95 ng/ml



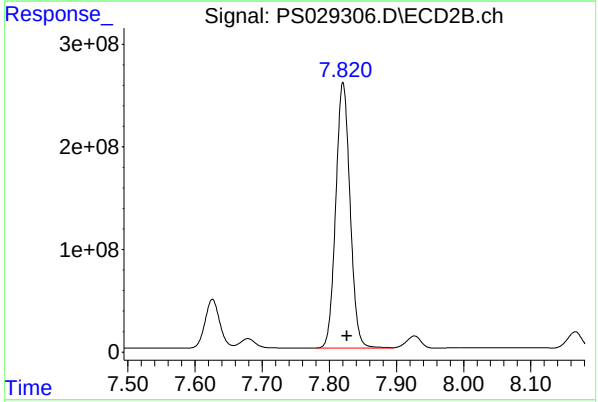
#5 DICAMBA

R.T.: 7.341 min
Delta R.T.: -0.002 min
Response: 13126154642
Conc: 755.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

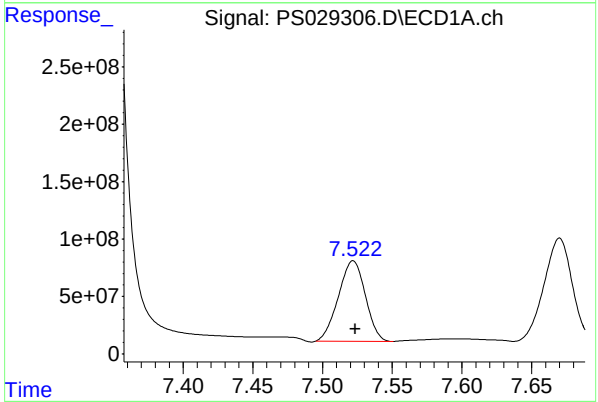
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



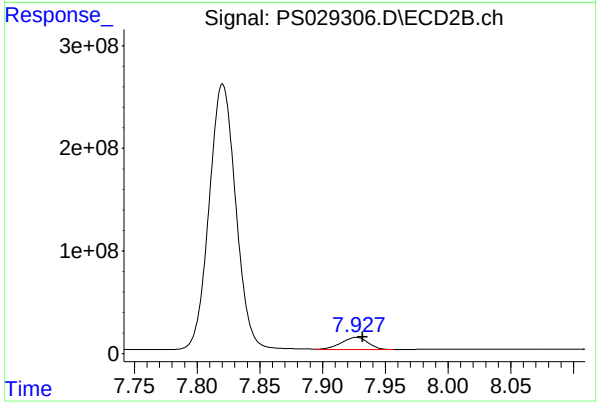
#5 DICAMBA

R.T.: 7.820 min
Delta R.T.: -0.006 min
Response: 3827266372
Conc: 742.73 ng/ml



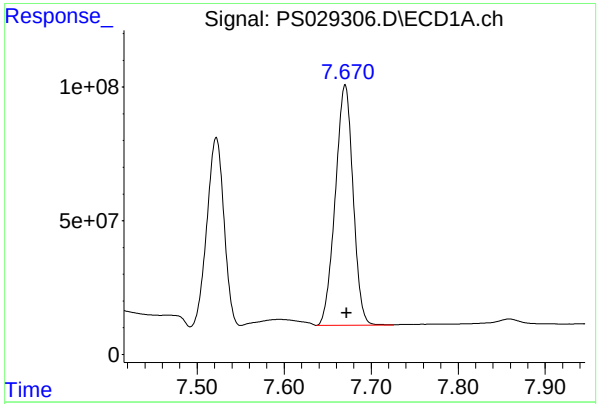
#6 MCPP

R.T.: 7.522 min
Delta R.T.: -0.002 min
Response: 943937795
Conc: 76.58 ug/ml



#6 MCPP

R.T.: 7.927 min
Delta R.T.: -0.005 min
Response: 174500446
Conc: 74.60 ug/ml



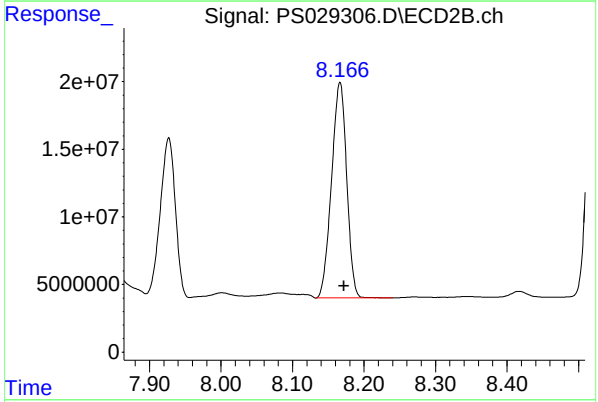
#7 MCPA

R.T.: 7.670 min
Delta R.T.: -0.001 min
Response: 1275559065
Conc: 75.27 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

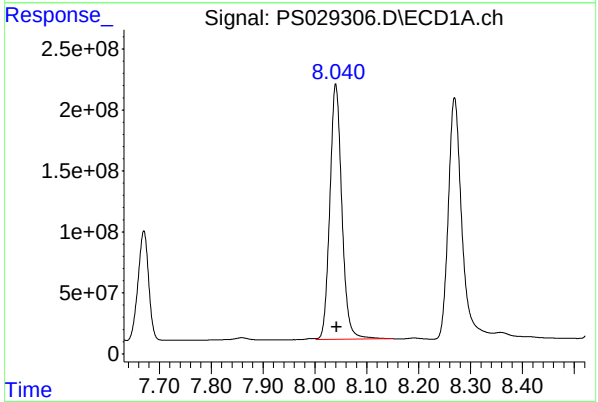
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



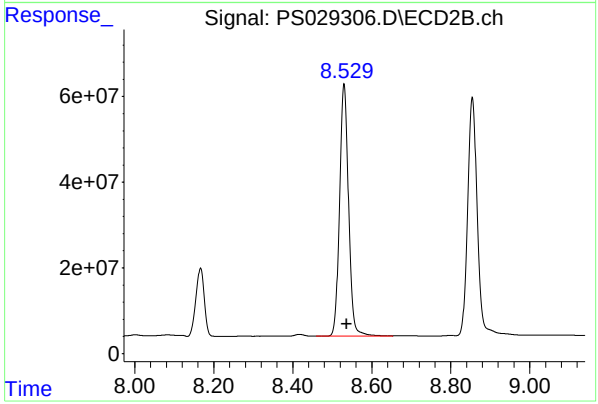
#7 MCPA

R.T.: 8.166 min
Delta R.T.: -0.005 min
Response: 234864179
Conc: 73.63 ug/ml



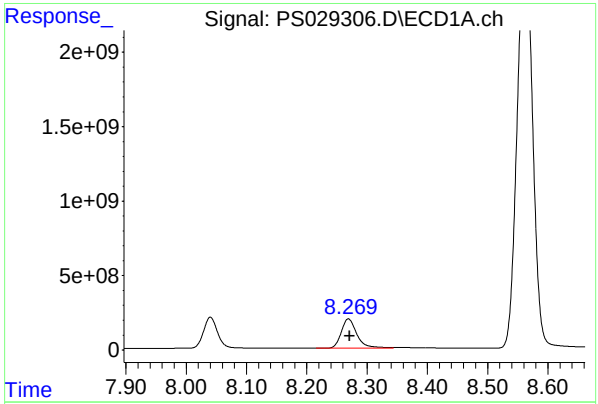
#8 DICHLORPROP

R.T.: 8.040 min
Delta R.T.: -0.002 min
Response: 3371848515
Conc: 733.57 ng/ml



#8 DICHLORPROP

R.T.: 8.530 min
Delta R.T.: -0.006 min
Response: 931619178
Conc: 728.53 ng/ml



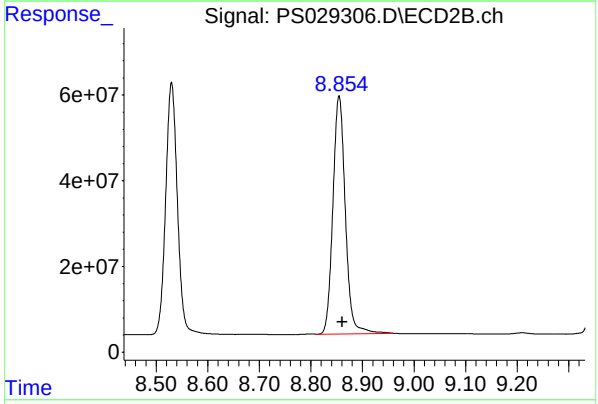
#9 2,4-D

R.T.: 8.269 min
Delta R.T.: -0.002 min
Response: 3522566041
Conc: 741.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

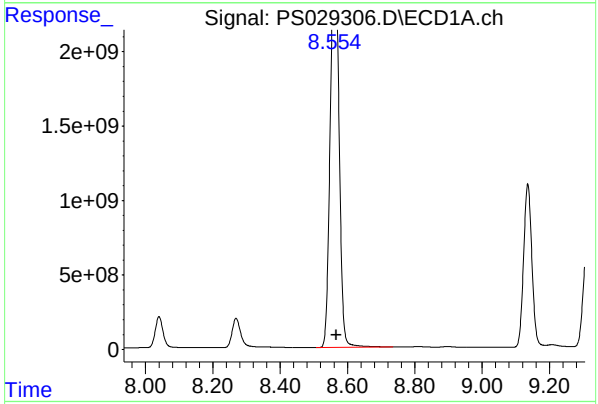
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



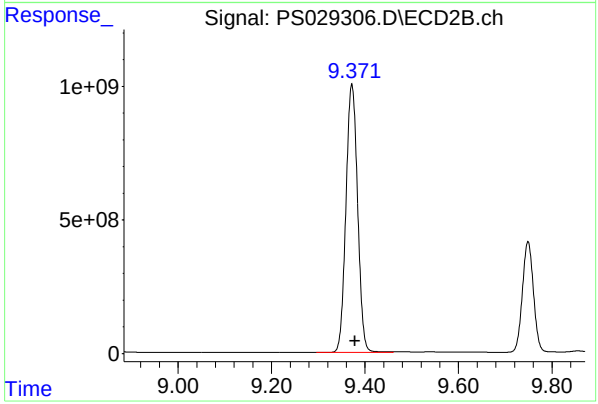
#9 2,4-D

R.T.: 8.855 min
Delta R.T.: -0.006 min
Response: 930654953
Conc: 732.86 ng/ml



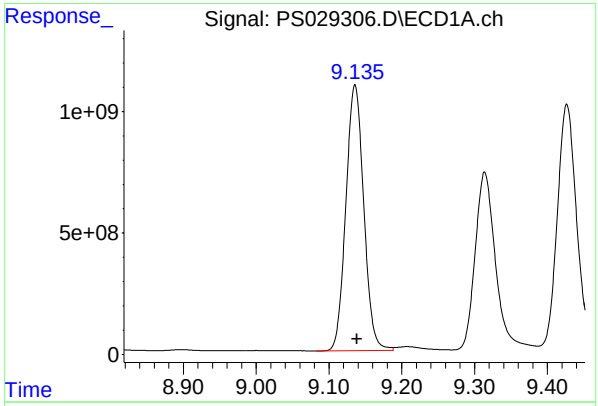
#10 Pentachlorophenol

R.T.: 8.566 min
Delta R.T.: 0.000 min
Response: 44882305103
Conc: 769.11 ng/ml



#10 Pentachlorophenol

R.T.: 9.372 min
Delta R.T.: -0.007 min
Response: 17387918867
Conc: 755.58 ng/ml



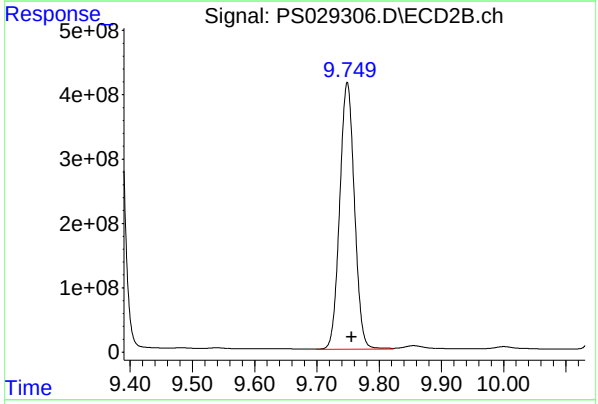
#11 2,4,5-TP (SILVEX)

R.T.: 9.136 min
Delta R.T.: -0.003 min
Response: 18690073647
Conc: 760.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

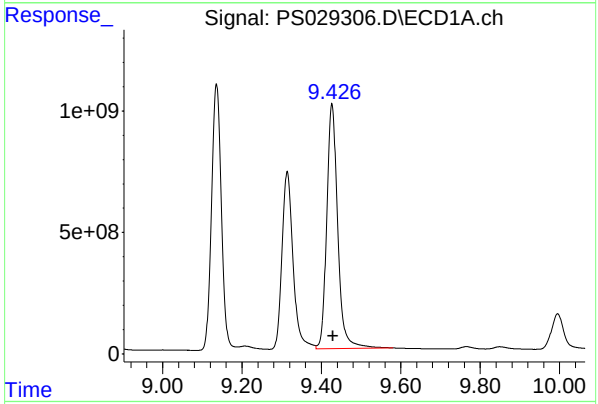
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



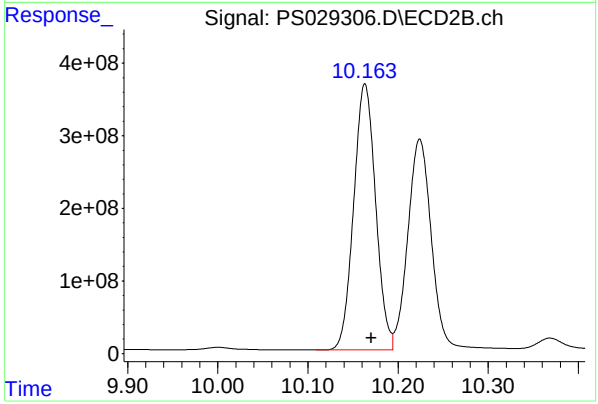
#11 2,4,5-TP (SILVEX)

R.T.: 9.749 min
Delta R.T.: -0.007 min
Response: 6826871156
Conc: 755.46 ng/ml



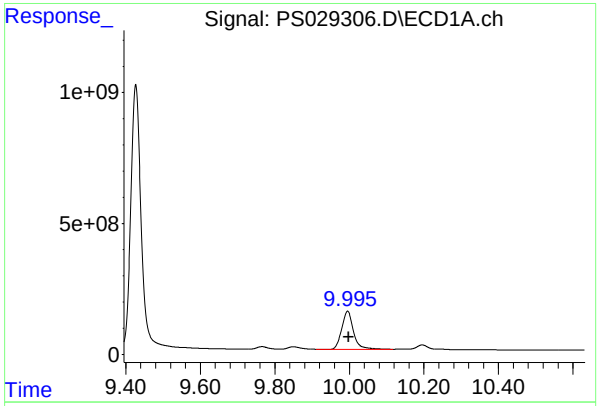
#12 2,4,5-T

R.T.: 9.427 min
Delta R.T.: -0.003 min
Response: 19388152440
Conc: 760.66 ng/ml



#12 2,4,5-T

R.T.: 10.163 min
Delta R.T.: -0.007 min
Response: 6198676727
Conc: 754.99 ng/ml



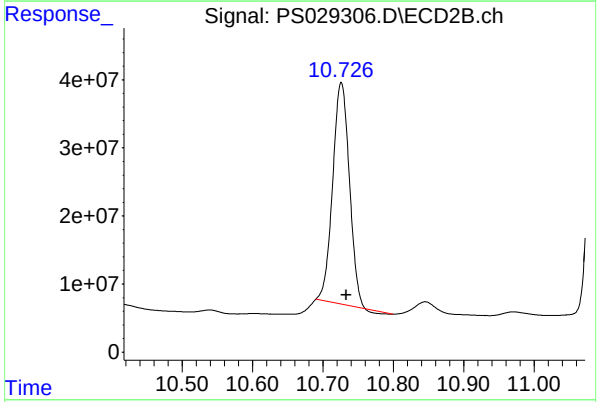
#13 2,4-DB

R.T.: 9.995 min
Delta R.T.: -0.003 mi
Response: 3161384432
Conc: 757.14 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

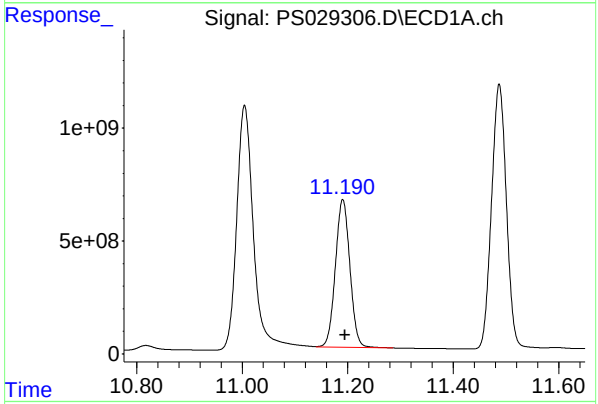
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



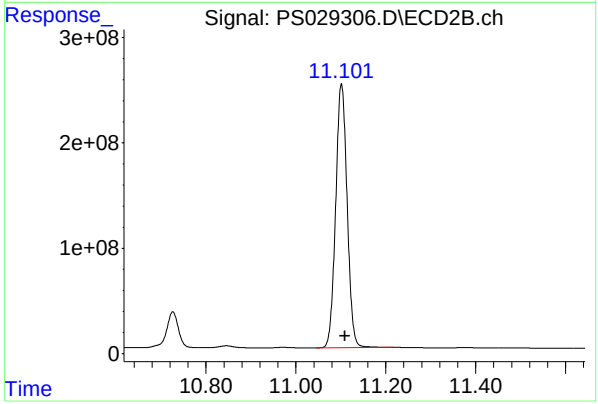
#13 2,4-DB

R.T.: 10.726 min
Delta R.T.: -0.007 min
Response: 533005804
Conc: 696.20 ng/ml



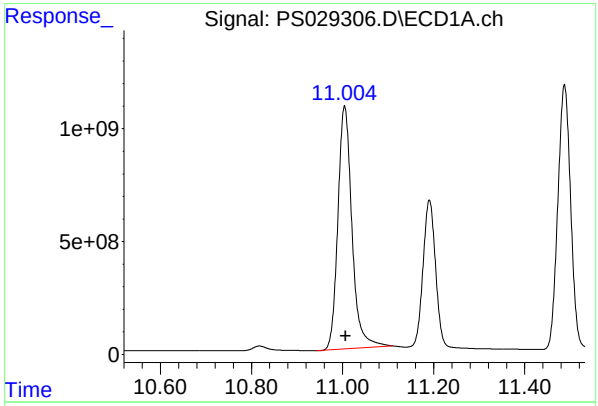
#14 DINOSEB

R.T.: 11.190 min
Delta R.T.: -0.004 min
Response: 12542917264
Conc: 754.20 ng/ml m



#14 DINOSEB

R.T.: 11.101 min
Delta R.T.: -0.008 min
Response: 4422087996
Conc: 729.53 ng/ml m



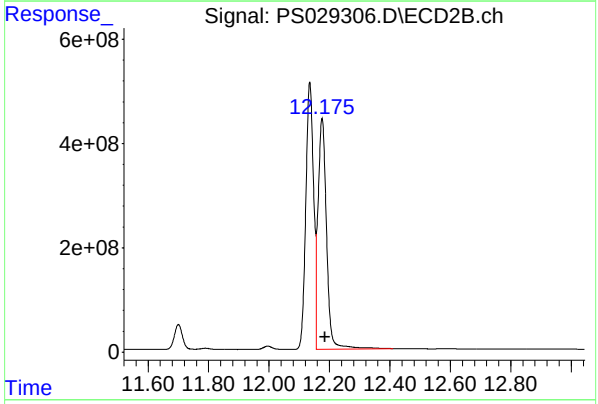
#15 Picloram

R.T.: 11.004 min
Delta R.T.: -0.002 min
Response: 23037282057
Conc: 754.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

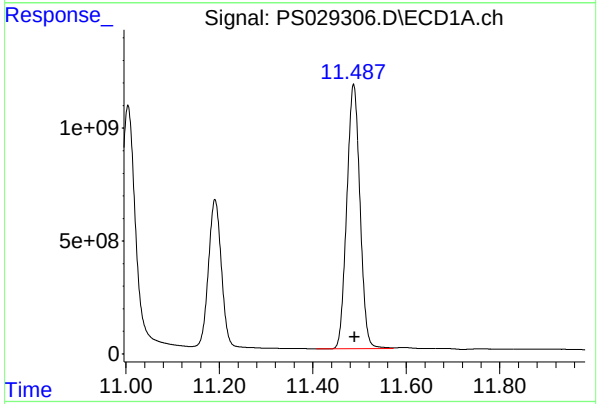
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



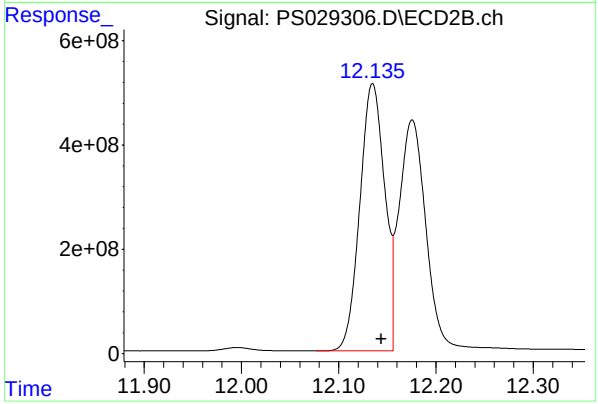
#15 Picloram

R.T.: 12.176 min
Delta R.T.: -0.009 min
Response: 8662880364
Conc: 749.23 ng/ml



#16 DCPA

R.T.: 11.487 min
Delta R.T.: -0.003 min
Response: 22950860795
Conc: 764.94 ng/ml



#16 DCPA

R.T.: 12.135 min
Delta R.T.: -0.009 min
Response: 9115966419
Conc: 770.15 ng/ml

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q1383

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

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/21/2025 02/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	02/21/2025	19:32	PS029233.D	7.16	0.00
HSTDICC200	HSTDICC200	02/21/2025	19:56	PS029234.D	7.16	0.00
HSTDICC500	HSTDICC500	02/21/2025	20:20	PS029235.D	7.16	0.00
HSTDICC750	HSTDICC750	02/21/2025	20:44	PS029236.D	7.16	0.00
HSTDICC1000	HSTDICC1000	02/21/2025	21:08	PS029237.D	7.16	0.00
HSTDICC1500	HSTDICC1500	02/21/2025	21:32	PS029238.D	7.16	0.00
I.BLK	I.BLK	02/21/2025	22:20	PS029240.D	7.16	0.00
HSTDCCC750	HSTDCCC750	02/21/2025	22:44	PS029241.D	7.16	0.00
OU4-PCS-TC-12-021725	Q1383-03	02/21/2025	23:08	PS029242.D	7.16	0.00
OU4-PCS-TC-13-021725	Q1383-05	02/21/2025	23:32	PS029243.D	7.16	0.00
OU4-PCS-TC-14-021725	Q1383-07	02/21/2025	23:56	PS029244.D	7.16	0.00
OU4-PCS-TC-15-021725	Q1383-09	02/22/2025	00:20	PS029245.D	7.16	0.00
OU4-PCS-TC-16-021725	Q1383-11	02/22/2025	00:44	PS029246.D	7.16	0.00
OU4-PCS-TC-17-021725	Q1383-13	02/22/2025	01:08	PS029247.D	7.16	0.00
OU4-PCS-TC-18-021725	Q1383-15	02/22/2025	01:32	PS029248.D	7.16	0.00
OU4-PCS-TC-19-021725	Q1383-17	02/22/2025	01:56	PS029249.D	7.16	0.00
OU4-PCS-TC-20-021725	Q1383-19	02/22/2025	02:20	PS029250.D	7.16	0.00
I.BLK	I.BLK	02/22/2025	02:44	PS029251.D	7.16	0.00
HSTDCCC750	HSTDCCC750	02/22/2025	03:08	PS029252.D	7.16	0.00
I.BLK	I.BLK	02/24/2025	09:26	PS029254.D	7.16	0.00
HSTDCCC750	HSTDCCC750	02/24/2025	09:50	PS029255.D	7.16	0.00
OU4-PCS-TC-17-021725RE	Q1383-13RE	02/24/2025	13:11	PS029260.D	7.16	0.00
I.BLK	I.BLK	02/24/2025	15:35	PS029266.D	7.16	0.00
HSTDCCC750	HSTDCCC750	02/24/2025	15:59	PS029267.D	7.16	0.00
I.BLK	I.BLK	02/26/2025	09:53	PS029290.D	7.16	0.00
HSTDCCC750	HSTDCCC750	02/26/2025	12:55	PS029291.D	7.16	0.00
OU4-CF-15-021725	Q1383-21	02/26/2025	14:58	PS029292.D	7.16	0.00
OU4-PCS-TC-11-021725	Q1383-01	02/26/2025	15:22	PS029293.D	7.16	0.00
OU4-PCS-TC-11-021725MS	Q1383-01MS	02/26/2025	15:46	PS029294.D	7.16	0.00
OU4-PCS-TC-11-021725MSD	Q1383-01MSD	02/26/2025	16:10	PS029295.D	7.16	0.00
PB166764BL	PB166764BL	02/26/2025	18:34	PS029301.D	7.16	0.00
I.BLK	I.BLK	02/26/2025	18:59	PS029302.D	7.16	0.00
HSTDCCC750	HSTDCCC750	02/26/2025	19:23	PS029303.D	7.16	0.00
PB166764BS	PB166764BS	02/26/2025	20:35	PS029304.D	7.16	0.00
I.BLK	I.BLK	02/26/2025	20:59	PS029305.D	7.16	0.00
HSTDCCC750	HSTDCCC750	02/26/2025	21:23	PS029306.D	7.16	0.00

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q1383

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

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/21/2025 02/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	02/21/2025	19:32	PS029233.D	7.63	0.00
HSTDICC200	HSTDICC200	02/21/2025	19:56	PS029234.D	7.63	0.00
HSTDICC500	HSTDICC500	02/21/2025	20:20	PS029235.D	7.63	0.00
HSTDICC750	HSTDICC750	02/21/2025	20:44	PS029236.D	7.63	0.00
HSTDICC1000	HSTDICC1000	02/21/2025	21:08	PS029237.D	7.63	0.00
HSTDICC1500	HSTDICC1500	02/21/2025	21:32	PS029238.D	7.63	0.00
I.BLK	I.BLK	02/21/2025	22:20	PS029240.D	7.63	0.00
HSTDCCC750	HSTDCCC750	02/21/2025	22:44	PS029241.D	7.63	0.00
OU4-PCS-TC-12-021725	Q1383-03	02/21/2025	23:08	PS029242.D	7.63	0.00
OU4-PCS-TC-13-021725	Q1383-05	02/21/2025	23:32	PS029243.D	7.63	0.00
OU4-PCS-TC-14-021725	Q1383-07	02/21/2025	23:56	PS029244.D	7.63	0.00
OU4-PCS-TC-15-021725	Q1383-09	02/22/2025	00:20	PS029245.D	7.63	0.00
OU4-PCS-TC-16-021725	Q1383-11	02/22/2025	00:44	PS029246.D	7.63	0.00
OU4-PCS-TC-17-021725	Q1383-13	02/22/2025	01:08	PS029247.D	7.63	0.00
OU4-PCS-TC-18-021725	Q1383-15	02/22/2025	01:32	PS029248.D	7.63	0.00
OU4-PCS-TC-19-021725	Q1383-17	02/22/2025	01:56	PS029249.D	7.63	0.00
OU4-PCS-TC-20-021725	Q1383-19	02/22/2025	02:20	PS029250.D	7.63	0.00
I.BLK	I.BLK	02/22/2025	02:44	PS029251.D	7.63	0.00
HSTDCCC750	HSTDCCC750	02/22/2025	03:08	PS029252.D	7.63	0.00
I.BLK	I.BLK	02/24/2025	09:26	PS029254.D	7.63	0.00
HSTDCCC750	HSTDCCC750	02/24/2025	09:50	PS029255.D	7.63	0.00
OU4-PCS-TC-17-021725RE	Q1383-13RE	02/24/2025	13:11	PS029260.D	7.63	0.00
I.BLK	I.BLK	02/24/2025	15:35	PS029266.D	7.63	0.00
HSTDCCC750	HSTDCCC750	02/24/2025	15:59	PS029267.D	7.63	0.00
I.BLK	I.BLK	02/26/2025	09:53	PS029290.D	7.63	0.00
HSTDCCC750	HSTDCCC750	02/26/2025	12:55	PS029291.D	7.62	0.00
OU4-CF-15-021725	Q1383-21	02/26/2025	14:58	PS029292.D	7.62	0.00
OU4-PCS-TC-11-021725	Q1383-01	02/26/2025	15:22	PS029293.D	7.63	0.00
OU4-PCS-TC-11-021725MS	Q1383-01MS	02/26/2025	15:46	PS029294.D	7.63	0.00
OU4-PCS-TC-11-021725MSD	Q1383-01MSD	02/26/2025	16:10	PS029295.D	7.63	0.00
PB166764BL	PB166764BL	02/26/2025	18:34	PS029301.D	7.63	0.00
I.BLK	I.BLK	02/26/2025	18:59	PS029302.D	7.63	0.00
HSTDCCC750	HSTDCCC750	02/26/2025	19:23	PS029303.D	7.63	0.00
PB166764BS	PB166764BS	02/26/2025	20:35	PS029304.D	7.63	0.00
I.BLK	I.BLK	02/26/2025	20:59	PS029305.D	7.63	0.00
HSTDCCC750	HSTDCCC750	02/26/2025	21:23	PS029306.D	7.63	0.00

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-11-021725MS

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Lab Sample ID: Q1383-01MS **Date(s) Analyzed:** 02/26/2025 02/26/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Dalapon	1	2.60	2.55	2.65	56.0	20.8
	2	2.65	2.60	2.70	69.0	
DICHLORPROP	1	8.04	7.99	8.09	99.9	21.6
	2	8.53	8.48	8.58	80.4	
2,4-D	1	8.27	8.22	8.32	115	14.3
	2	8.86	8.81	8.91	99.7	
2,4,5-TP(Silvex)	1	9.14	9.09	9.19	105	11.6
	2	9.75	9.70	9.80	93.5	
2,4,5-T	1	9.43	9.38	9.48	98.6	11.4
	2	10.17	10.12	10.22	88.0	
2,4-DB	1	10.00	9.95	10.05	75.3	11.4
	2	10.73	10.68	10.78	84.4	
DICAMBA	1	7.34	7.29	7.39	96.1	10.6
	2	7.82	7.77	7.87	86.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-11-021725MSD

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Lab Sample ID: Q1383-01MSD **Date(s) Analyzed:** 02/26/2025 02/26/2025

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	9.43	9.38	9.48	101	12
	2	10.17	10.12	10.22	89.6	
Dalapon	1	2.60	2.55	2.65	57.8	17.1
	2	2.65	2.60	2.70	68.6	
DICHLORPROP	1	8.04	7.99	8.09	102	23.2
	2	8.53	8.48	8.58	80.8	
2,4-D	1	8.27	8.22	8.32	117	13.7
	2	8.86	8.81	8.91	102	
2,4,5-TP(Silvex)	1	9.14	9.09	9.19	107	12.2
	2	9.75	9.70	9.80	94.7	
2,4-DB	1	10.00	9.95	10.05	78.6	8.8
	2	10.73	10.68	10.78	85.8	
DICAMBA	1	7.34	7.29	7.39	98.0	11.1
	2	7.82	7.77	7.87	87.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166764BS

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Lab Sample ID: PB166764BS **Date(s) Analyzed:** 02/26/2025 02/26/2025

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	9.43	9.38	9.48	181	5.7
	2	10.16	10.11	10.21	171	
2,4,5-TP(Silvex)	1	9.14	9.09	9.19	180	4.5
	2	9.75	9.70	9.80	172	
2,4-D	1	8.27	8.22	8.32	175	4.1
	2	8.86	8.81	8.91	168	
2,4-DB	1	10.00	9.95	10.05	174	9
	2	10.73	10.68	10.78	159	
Dalapon	1	2.61	2.56	2.66	159	4.5
	2	2.65	2.60	2.70	152	
DICHLORPROP	1	8.04	7.99	8.09	174	2.9
	2	8.53	8.48	8.58	169	
Dinoseb	1	11.19	11.14	11.24	176	5.8
	2	11.10	11.05	11.15	166	
DICAMBA	1	7.34	7.29	7.39	177	6.4
	2	7.82	7.77	7.87	166	

QC SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB166764BL	SDG No.:	Q1383
Lab Sample ID:	PB166764BL	Matrix:	SOIL
Analytical Method:	SW8151A	% 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
PS029301.D	1	02/18/25 14:17	02/26/25 18:34	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.033	U	0.0087	0.033	0.067	mg/Kg
75-99-0	DALAPON	0.050	U	0.025	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.033	U	0.0095	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.033	U	0.012	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.033	U	0.0094	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.033	U	0.010	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.033	U	0.018	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.050	U	0.012	0.050	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	512		27 - 122		102%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 18:34
Operator : AR\AJ
Sample : PB166764BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB166764BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:05:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.626	2111.5E6	458.3E6	512.420m	487.342m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 18:34
Operator : AR\AJ
Sample : PB166764BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

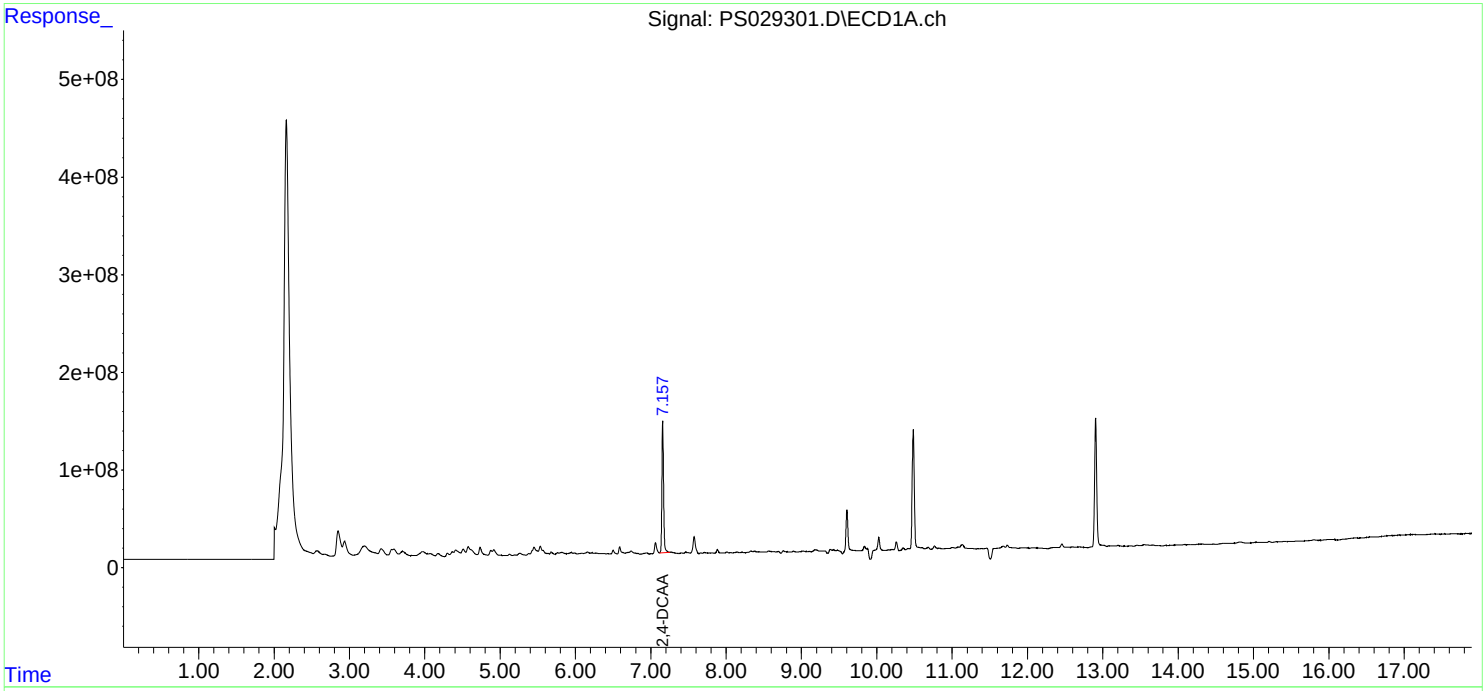
Instrument :
ECD_S
ClientSampleId :
PB166764BL

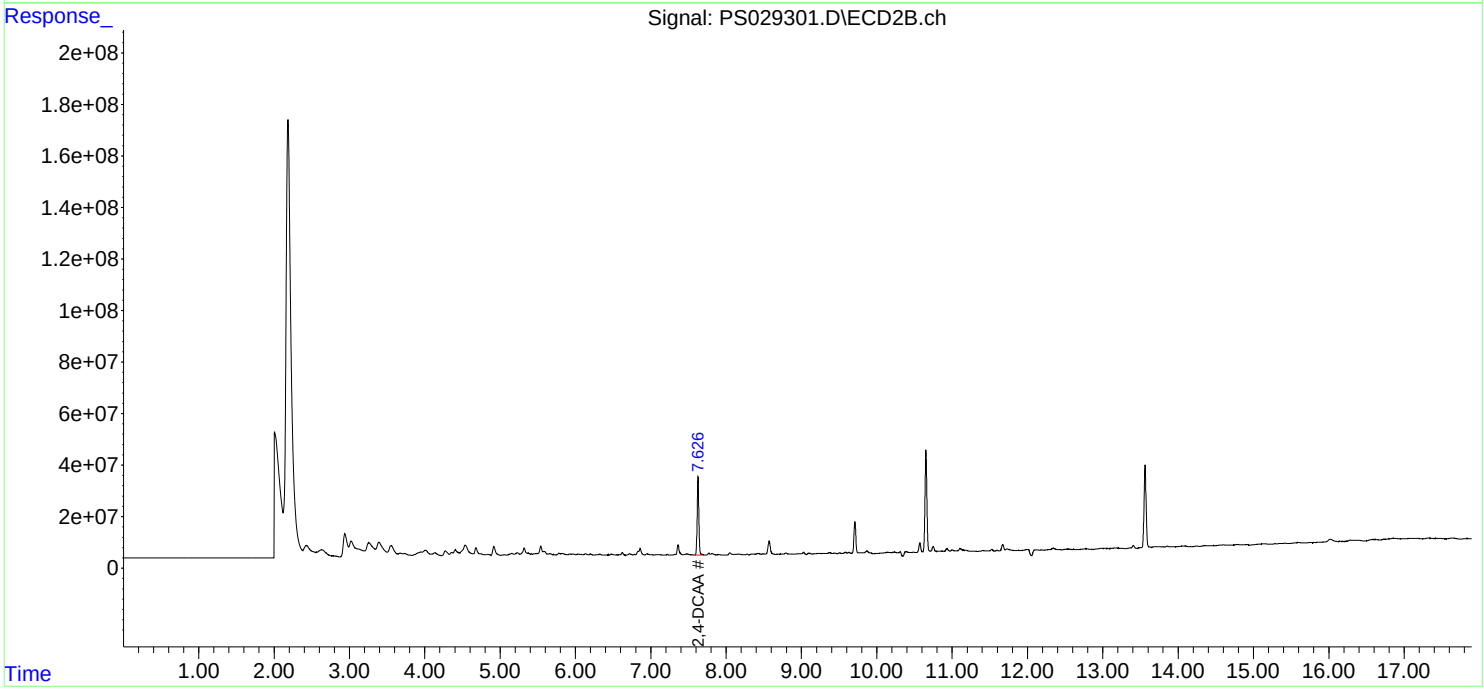
Manual Integrations APPROVED

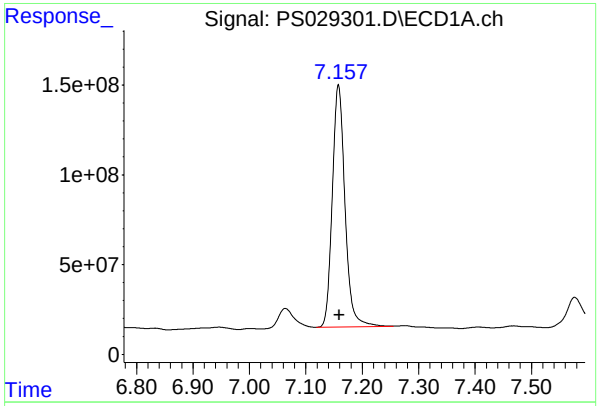
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:05:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







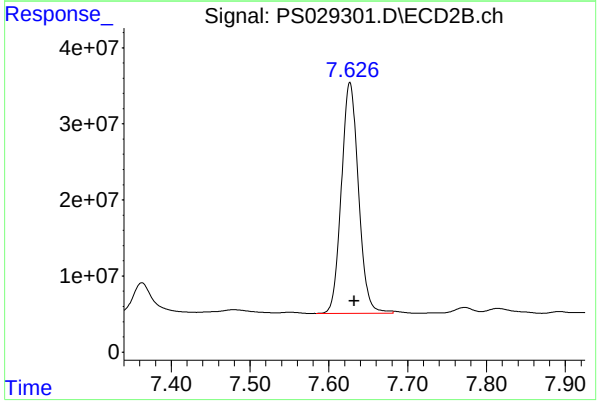
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.002 mi
Response: 2111466319
Conc: 512.42 ng/m

Instrument :
ECD_S
ClientSampleId :
PB166764BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



#4 2,4-DCAA

R.T.: 7.626 min
Delta R.T.: -0.006 min
Response: 458263676
Conc: 487.34 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/21/25
Project:	Raymark Superfund Site	Date Received:	02/21/25
Client Sample ID:	PIBLK-PS029233.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PS029233.D	Matrix:	WATER
Analytical Method:	SW8151A	% 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
PS029233.D	1		02/21/25	ps022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00042	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.0011	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00043	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00049	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00045	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00050	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00057	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00055	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	494		32 - 138		99%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 19:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 01:05:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.161	7.633	1959.5E6	464.9E6	475.547	494.404
	Target Compounds						

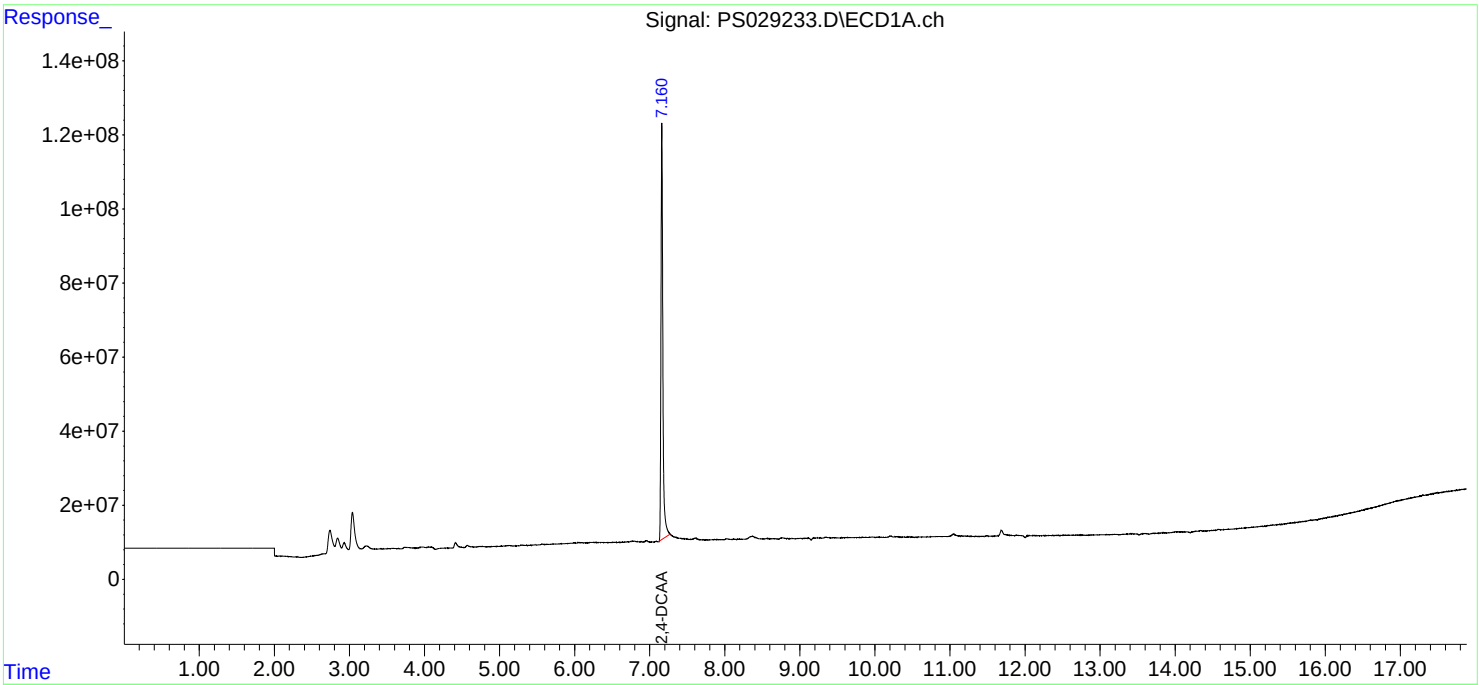
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

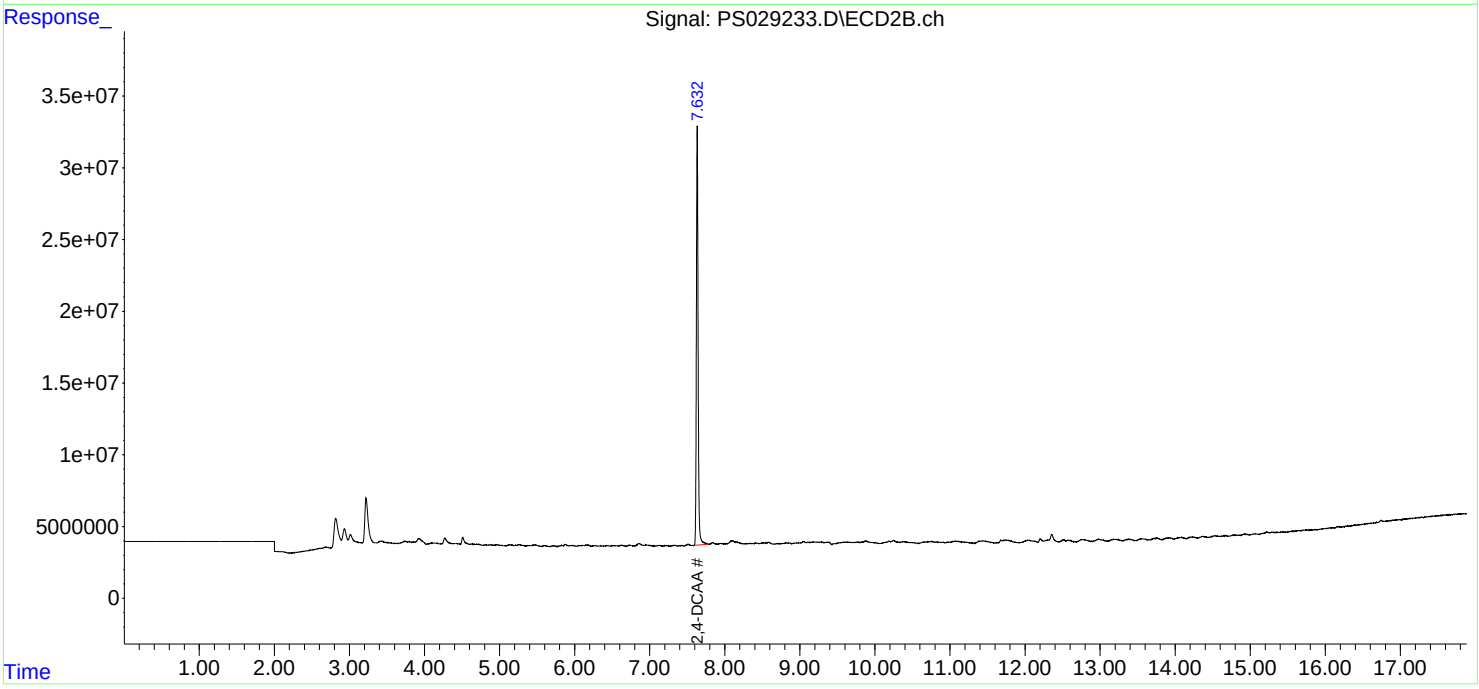
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 19:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

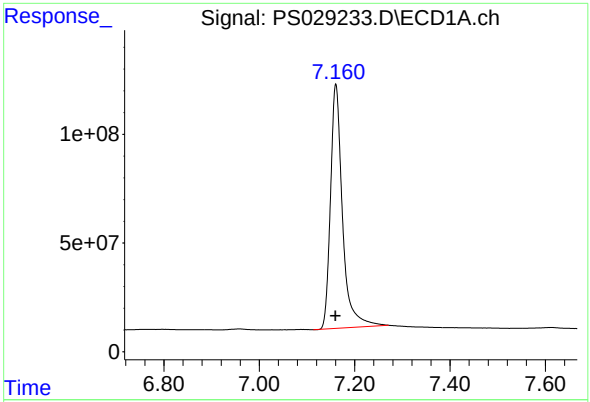
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 01:05:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



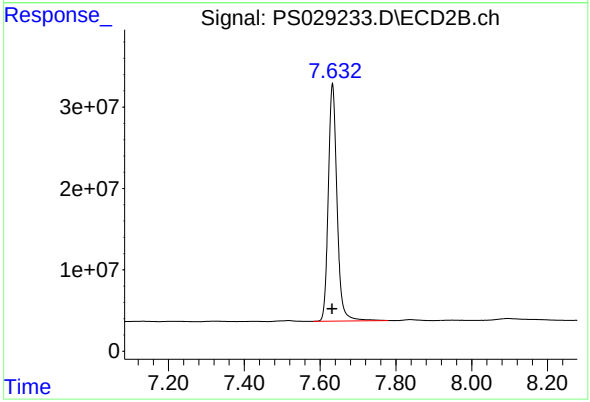




#4 2,4-DCAA

R.T.: 7.161 min
Delta R.T.: 0.000 min
Response: 1959528224
Conc: 475.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 464904309
Conc: 494.40 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:	02/21/25
Project:	Raymark Superfund Site	Date Received:	02/21/25
Client Sample ID:	PIBLK-PS029240.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PS029240.D	Matrix:	WATER
Analytical Method:	SW8151A	% 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
PS029240.D	1		02/21/25	ps022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00042	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.0011	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00043	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00049	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00045	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00050	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00057	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00055	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	493		32 - 138		99%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 22:20
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: Feb 22 01:05:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.160	7.632	1963.2E6	463.5E6	476.441	492.920
	Target Compounds						

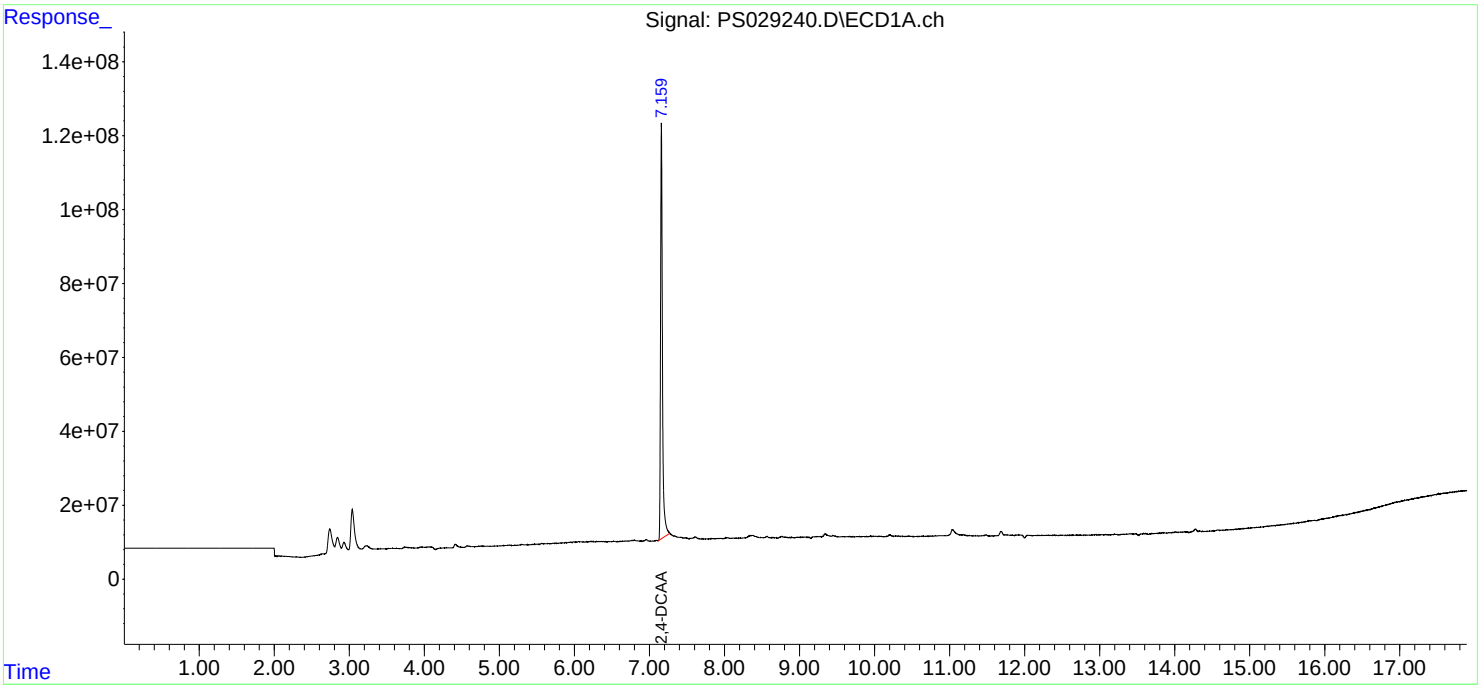
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

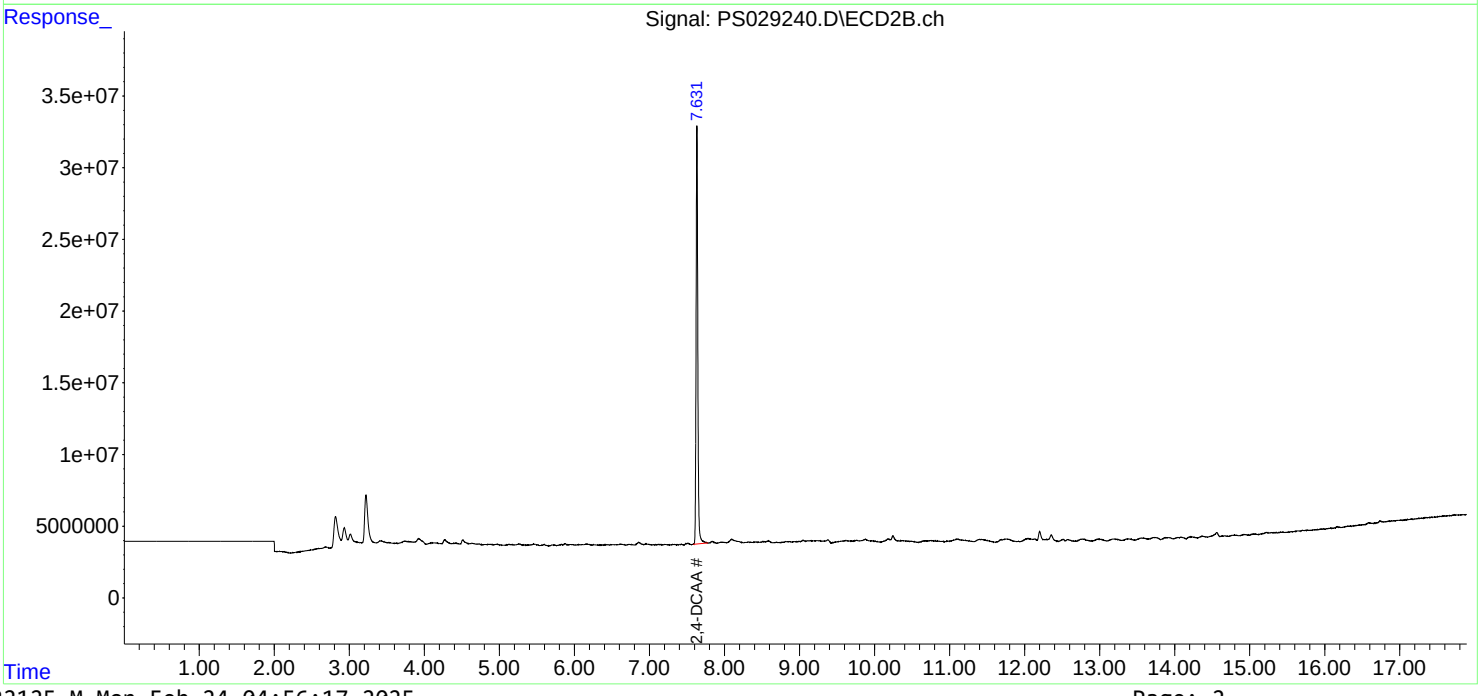
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 22:20
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

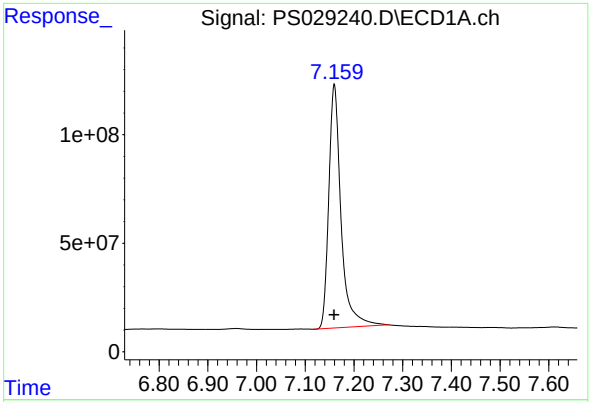
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 01:05:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



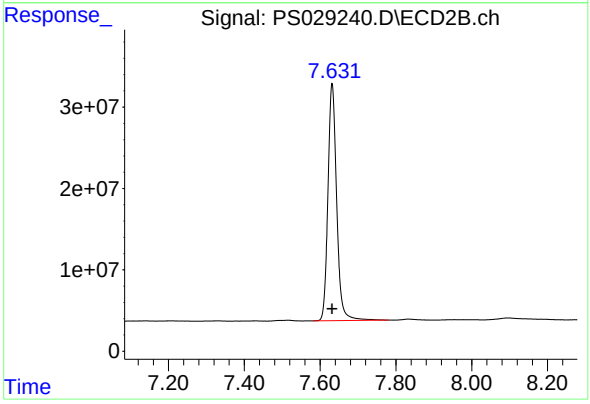




#4 2,4-DCAA

R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 1963213218
Conc: 476.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 463509084
Conc: 492.92 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:	02/22/25
Project:	Raymark Superfund Site	Date Received:	02/22/25
Client Sample ID:	PIBLK-PS029251.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PS029251.D	Matrix:	WATER
Analytical Method:	SW8151A	% 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
PS029251.D	1		02/22/25	ps022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00042	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.0011	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00043	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00049	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00045	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00050	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00057	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00055	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	502		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\PS022125\
Data File : PS029251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 02:44
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: Feb 22 05:17:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.159	7.630	1992.6E6	472.3E6	483.584	502.302
	Target Compounds						

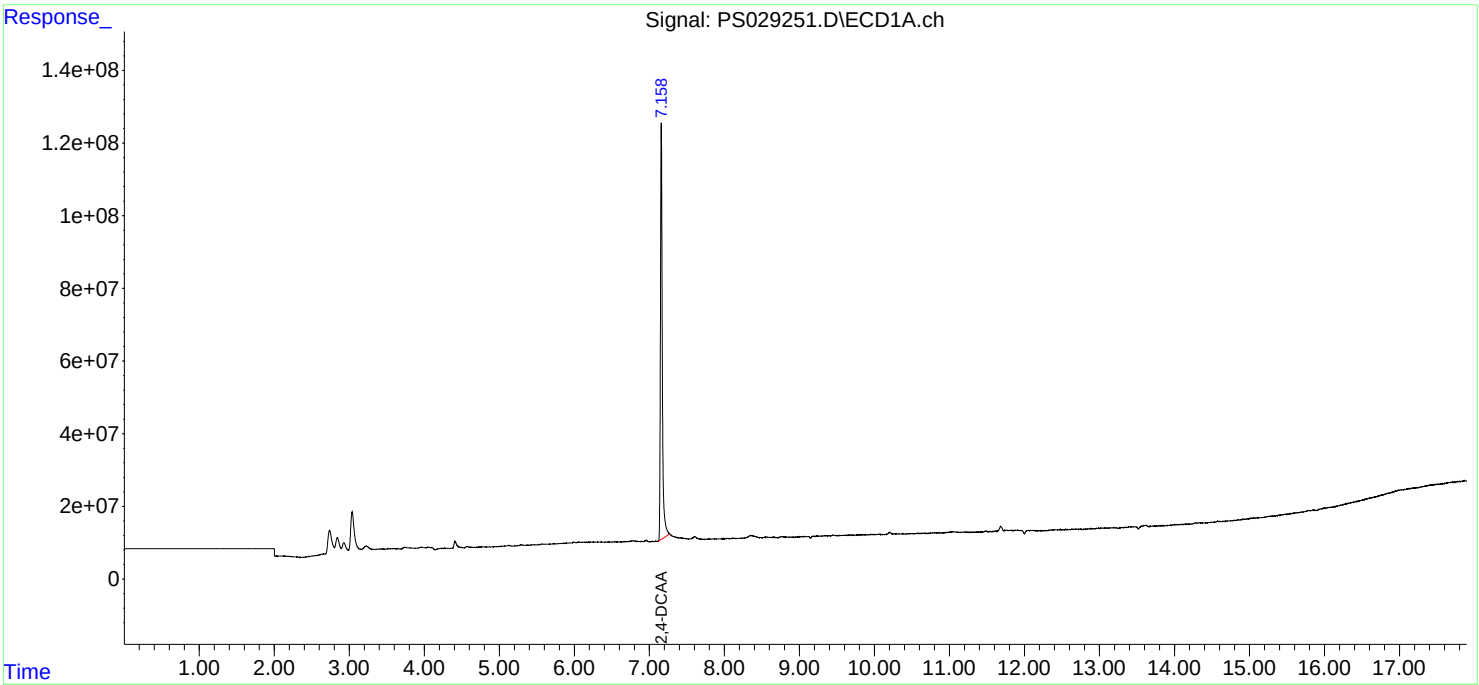
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

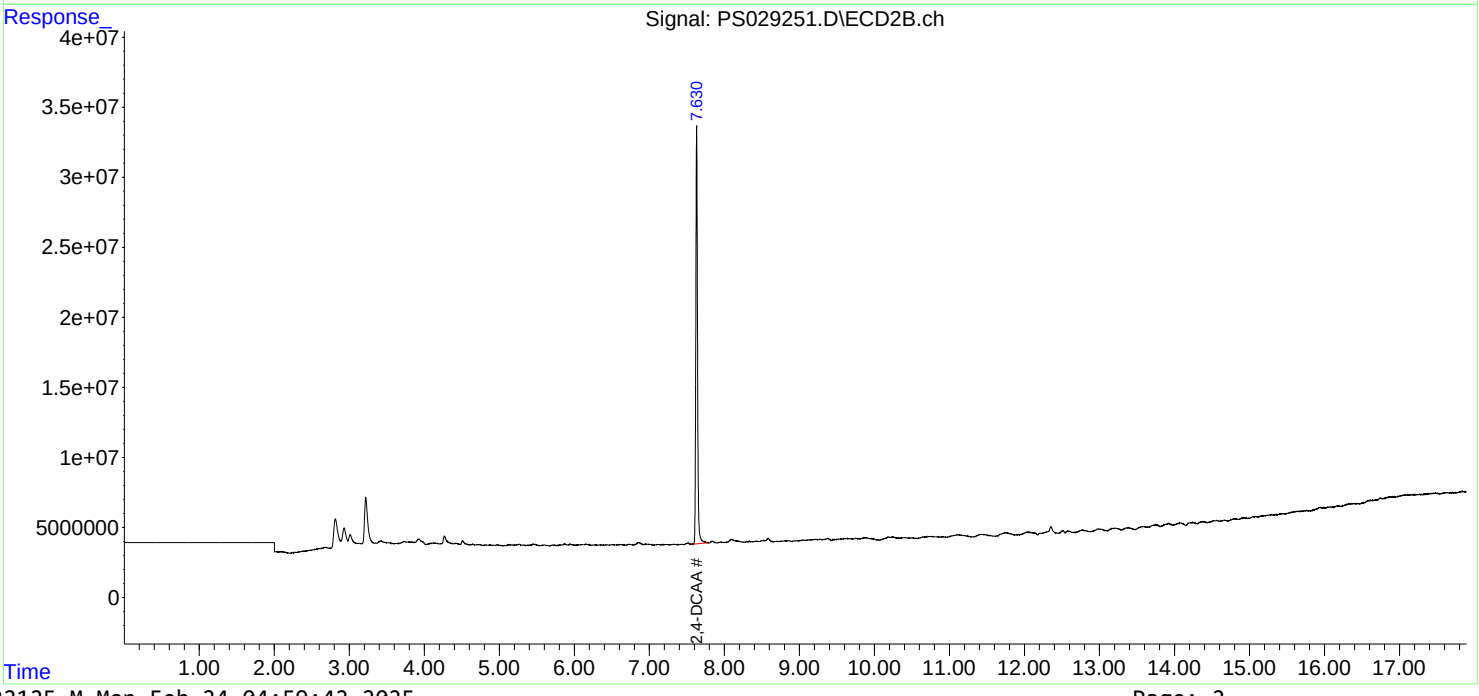
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 02:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

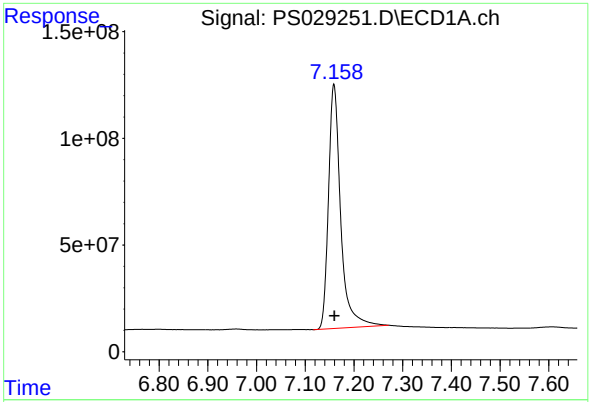
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:17:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



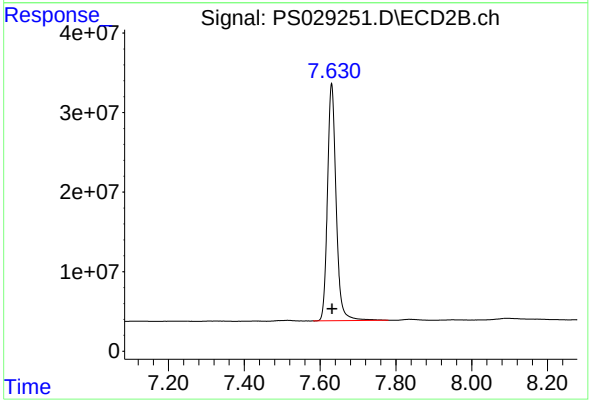




#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 1992643872
Conc: 483.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.630 min
Delta R.T.: -0.001 min
Response: 472330992
Conc: 502.30 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:	02/24/25
Project:	Raymark Superfund Site	Date Received:	02/24/25
Client Sample ID:	PIBLK-PS029254.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PS029254.D	Matrix:	WATER
Analytical Method:	SW8151A	% 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
PS029254.D	1		02/24/25	PS022425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00042	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.0011	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00043	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00049	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00045	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00050	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00057	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00055	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\PS022425\
Data File : PS029254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 09:26
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: Feb 24 11:51:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.161	7.631	2058.9E6	466.7E6	499.654	496.273
	Target Compounds						

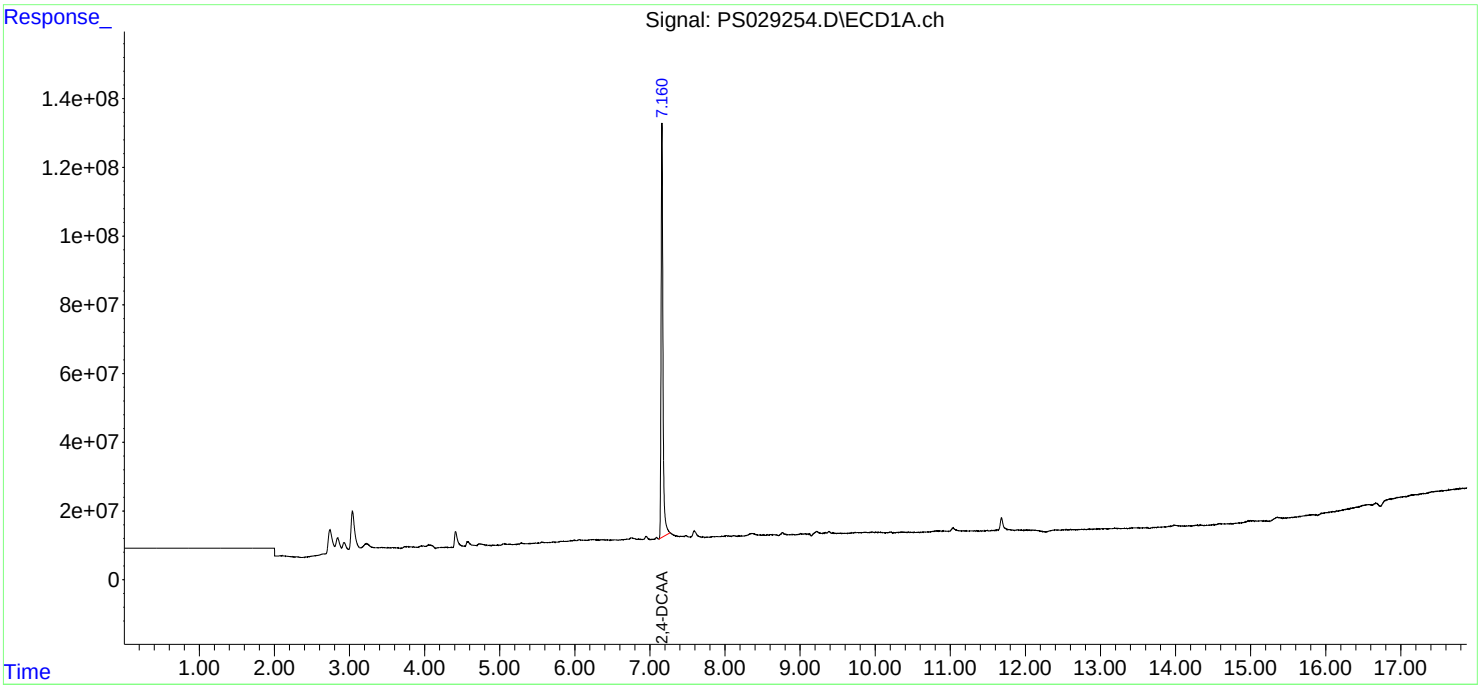
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

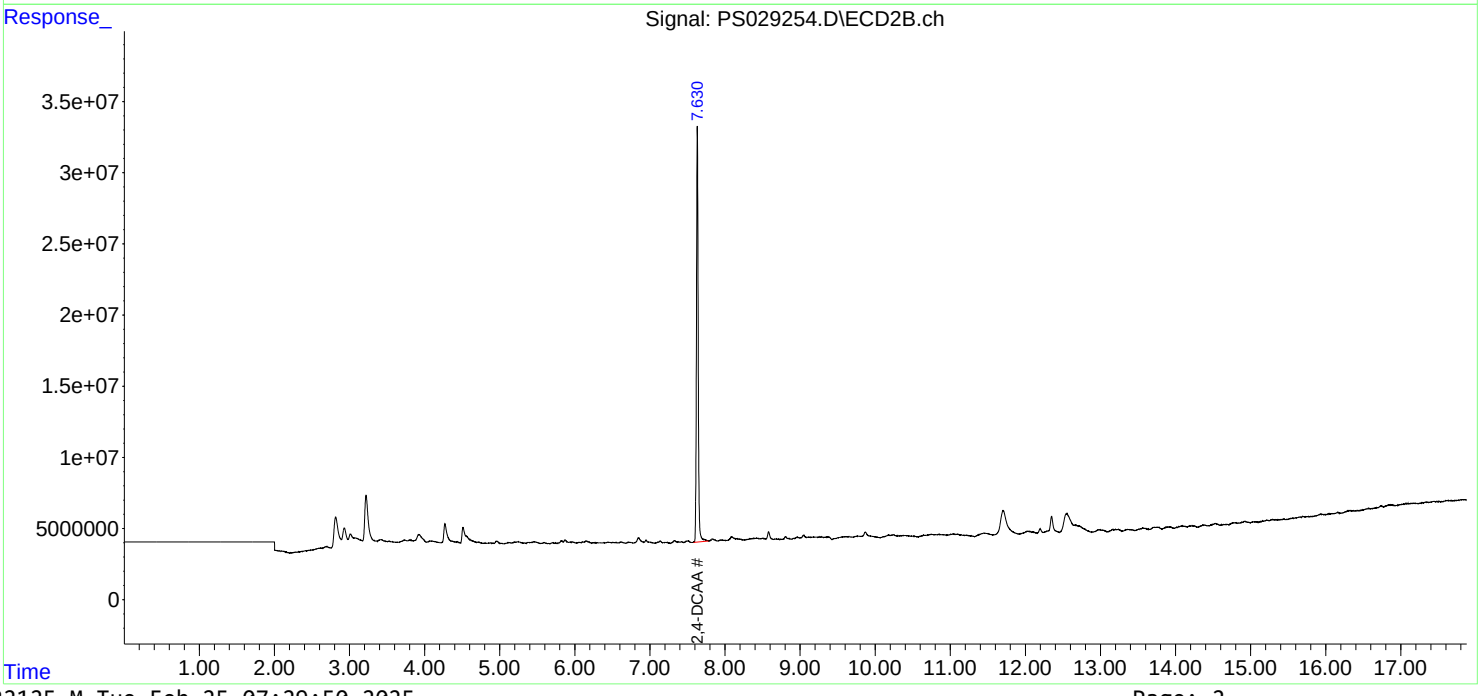
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 09:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

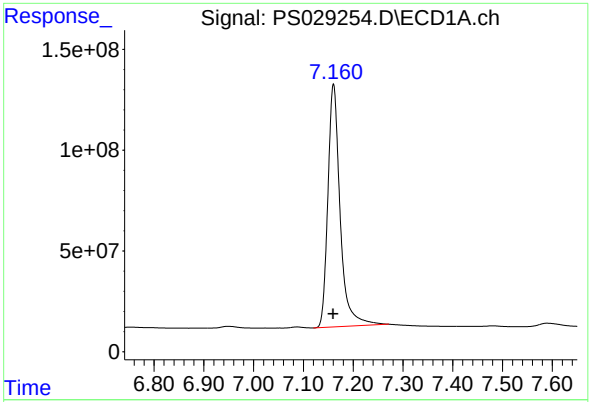
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 24 11:51:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



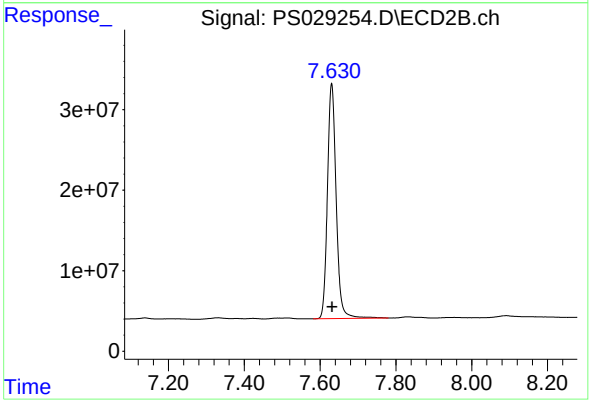




#4 2,4-DCAA

R.T.: 7.161 min
Delta R.T.: 0.000 min
Response: 2058862851
Conc: 499.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 466661909
Conc: 496.27 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:	02/24/25
Project:	Raymark Superfund Site	Date Received:	02/24/25
Client Sample ID:	PIBLK-PS029266.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PS029266.D	Matrix:	WATER
Analytical Method:	SW8151A	% 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
PS029266.D	1		02/24/25	PS022425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00042	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.0011	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00043	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00049	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00045	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00050	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00057	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00055	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	506		32 - 138		101%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 00:55:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.160	7.631	2084.0E6	472.4E6	505.743	502.327
	Target Compounds						

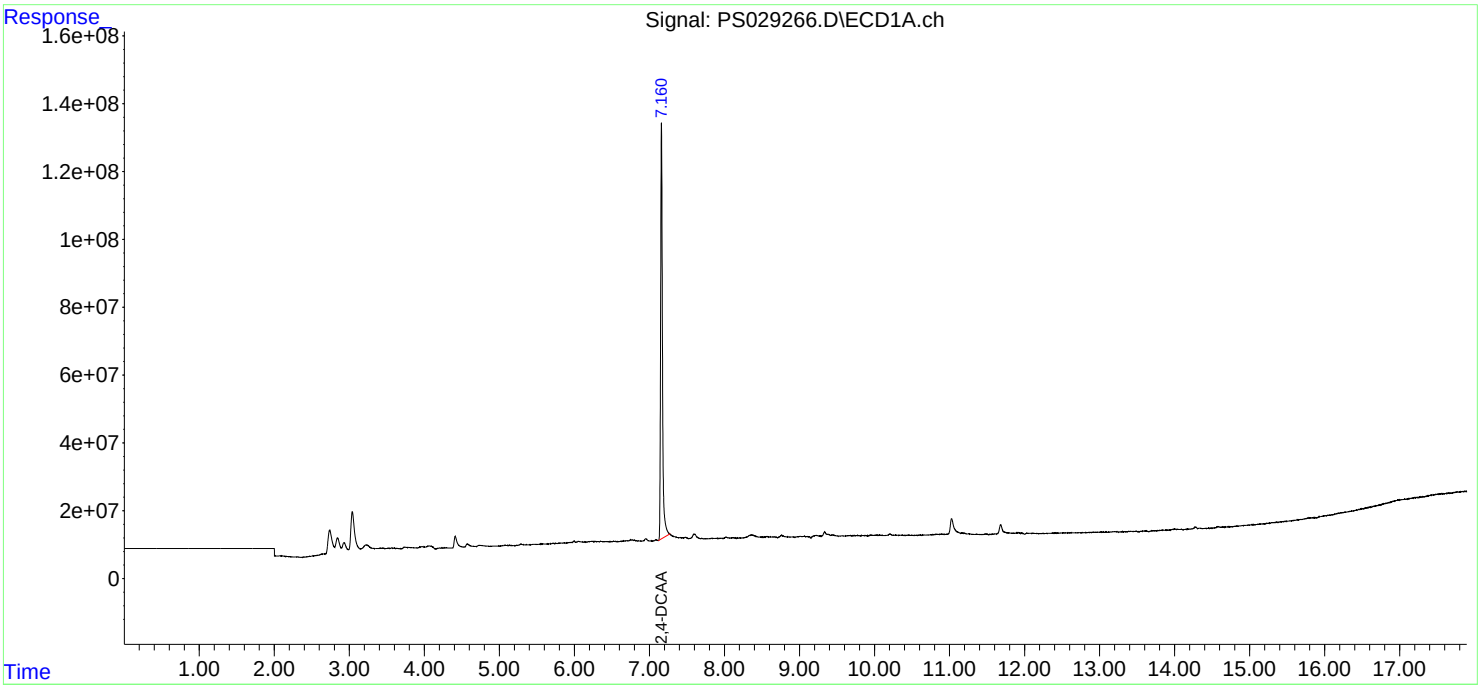
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

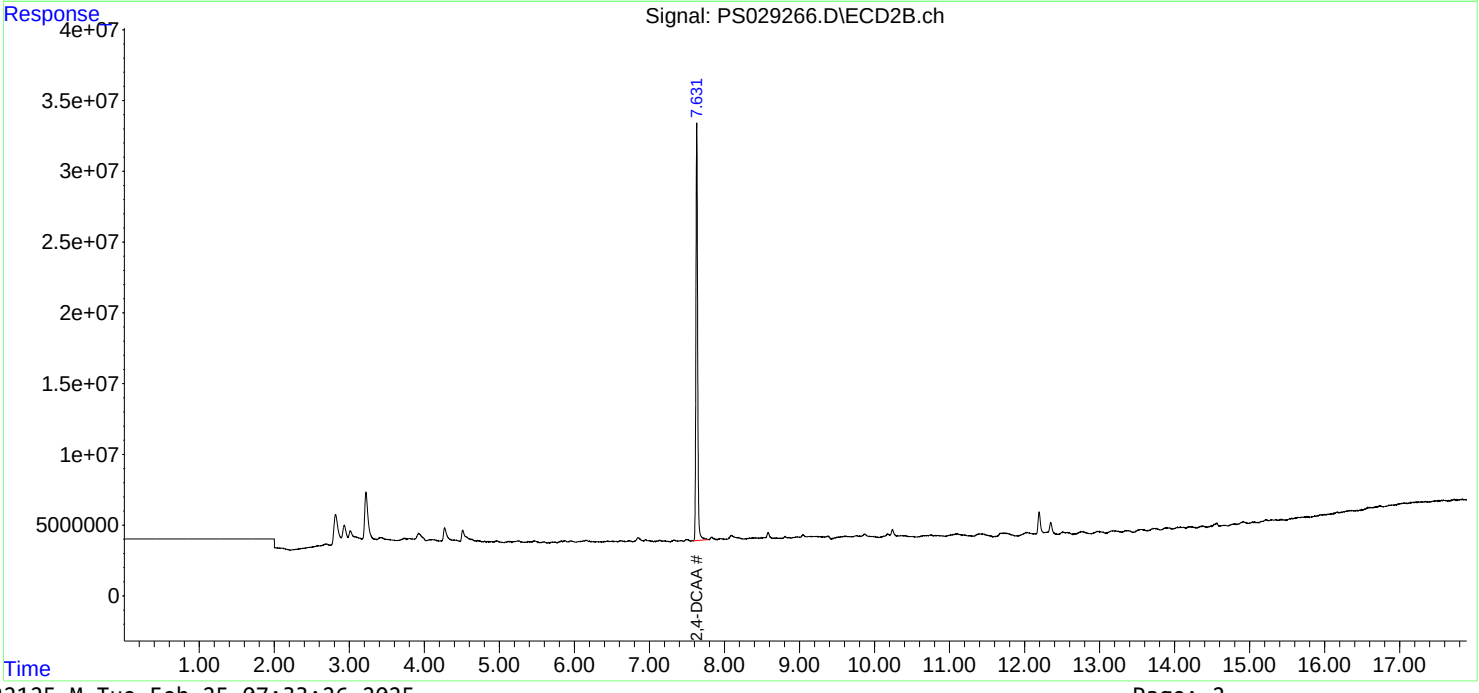
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

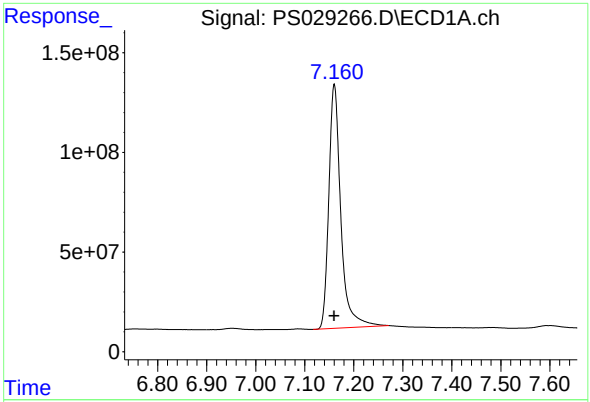
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 00:55:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



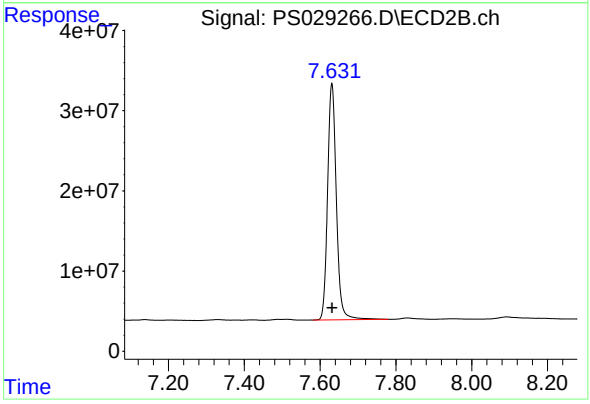




#4 2,4-DCAA

R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 2083954389
Conc: 505.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 472354621
Conc: 502.33 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/26/25
Project:	Raymark Superfund Site	Date Received:	02/26/25
Client Sample ID:	PIBLK-PS029290.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PS029290.D	Matrix:	WATER
Analytical Method:	SW8151A	% 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
PS029290.D	1		02/26/25	ps022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00042	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.0011	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00043	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00049	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00045	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00050	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00057	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00055	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	522		32 - 138		104%	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\PS022625\
Data File : PS029290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 09:53
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: Feb 27 04:00:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.159	7.628	2149.9E6	480.2E6	521.745	510.676
	Target Compounds						

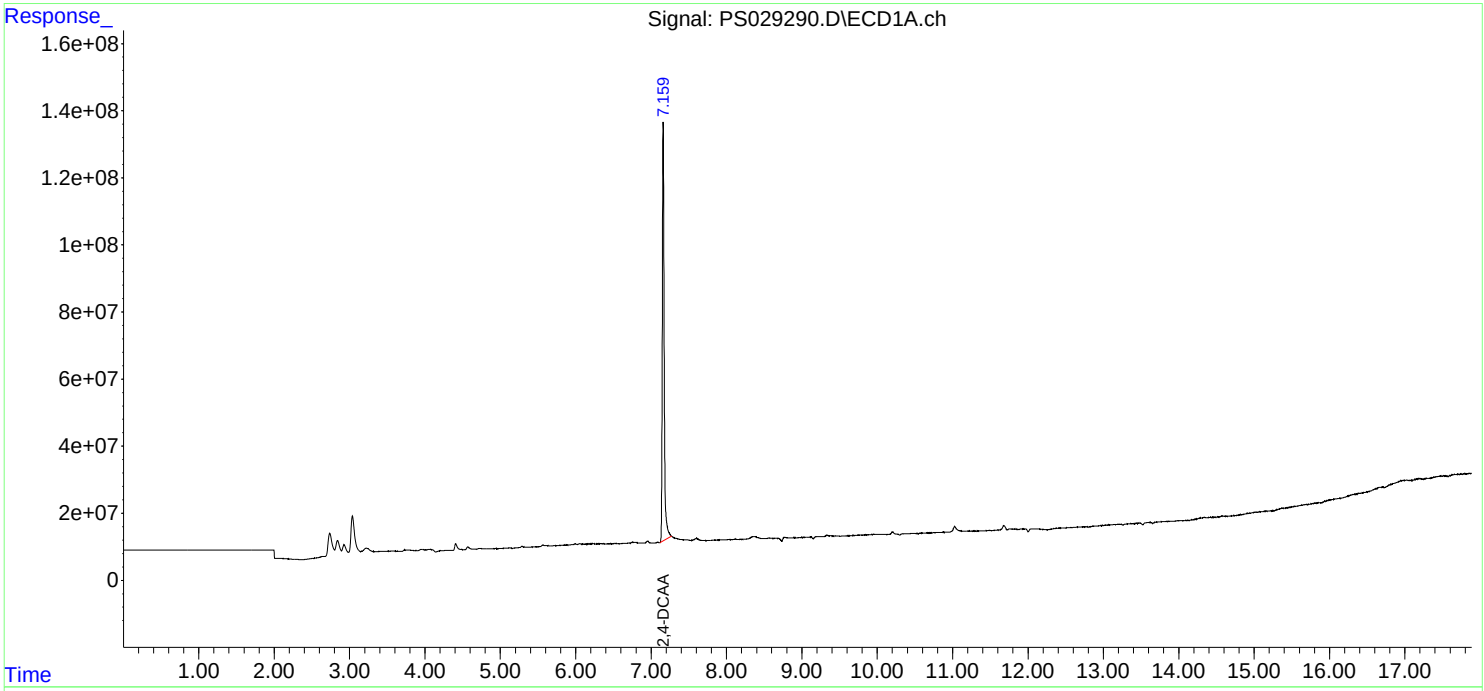
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

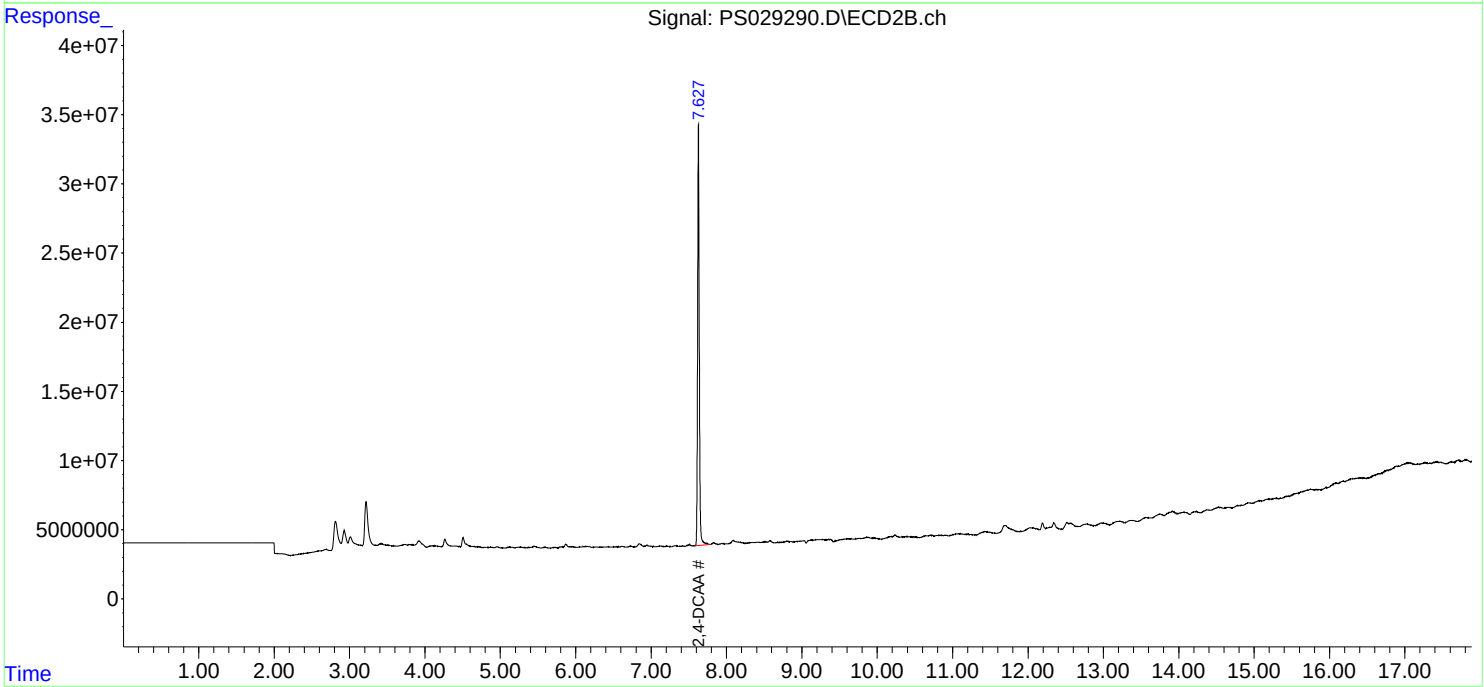
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 09:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

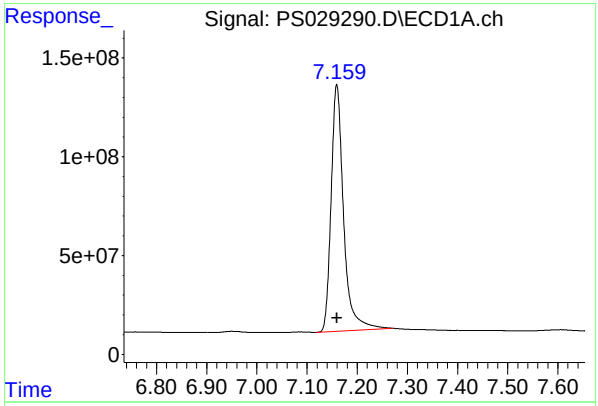
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:00:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



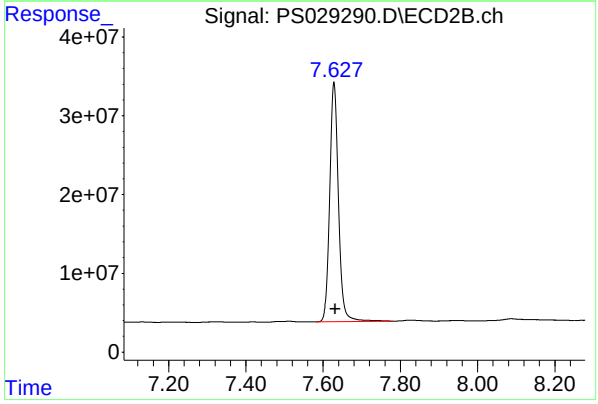




#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 2149889136
Conc: 521.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.628 min
Delta R.T.: -0.004 min
Response: 480205536
Conc: 510.68 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:	02/26/25
Project:	Raymark Superfund Site	Date Received:	02/26/25
Client Sample ID:	PIBLK-PS029302.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PS029302.D	Matrix:	WATER
Analytical Method:	SW8151A	% 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
PS029302.D	1		02/26/25	ps022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00042	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.0011	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00043	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00049	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00045	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00050	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00057	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00055	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	531		32 - 138		106%	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\PS022625\
Data File : PS029302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 18:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:05:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.159	7.627	2186.5E6	495.5E6	530.623	526.971
	Target Compounds						

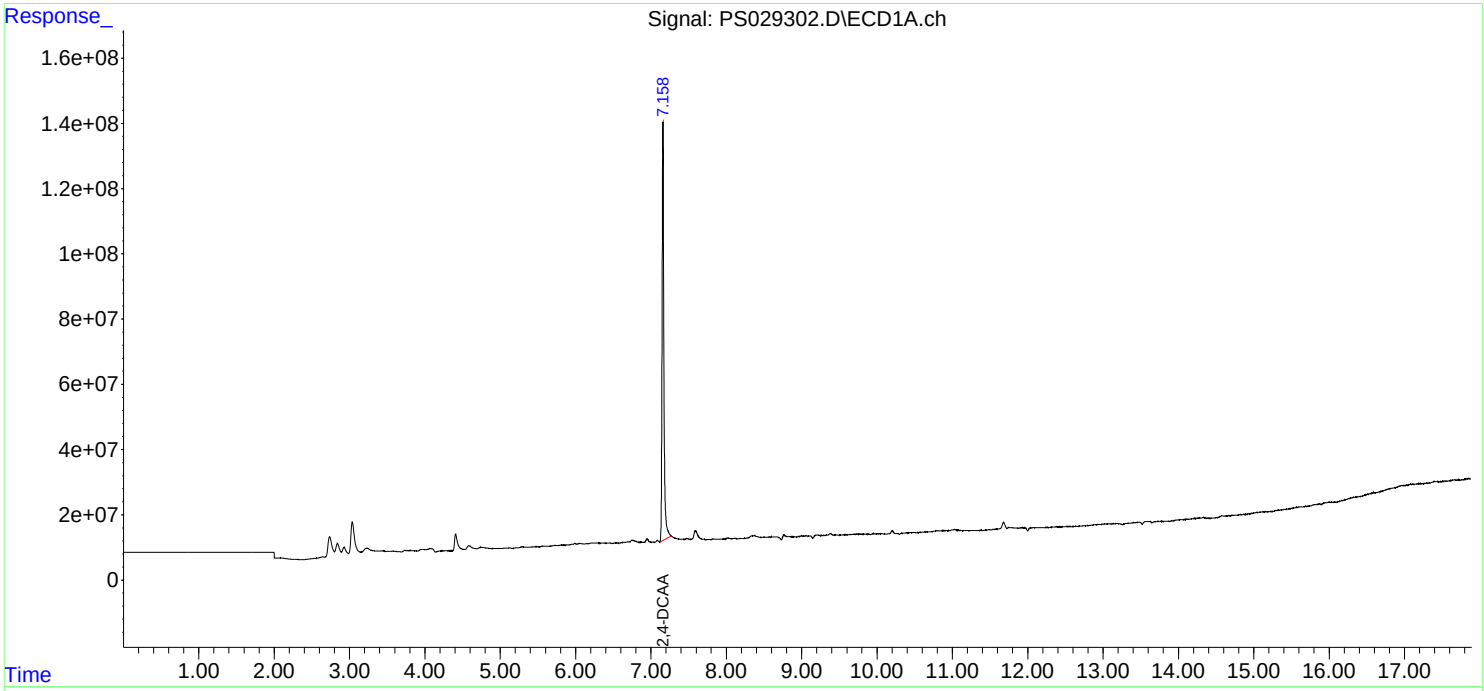
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

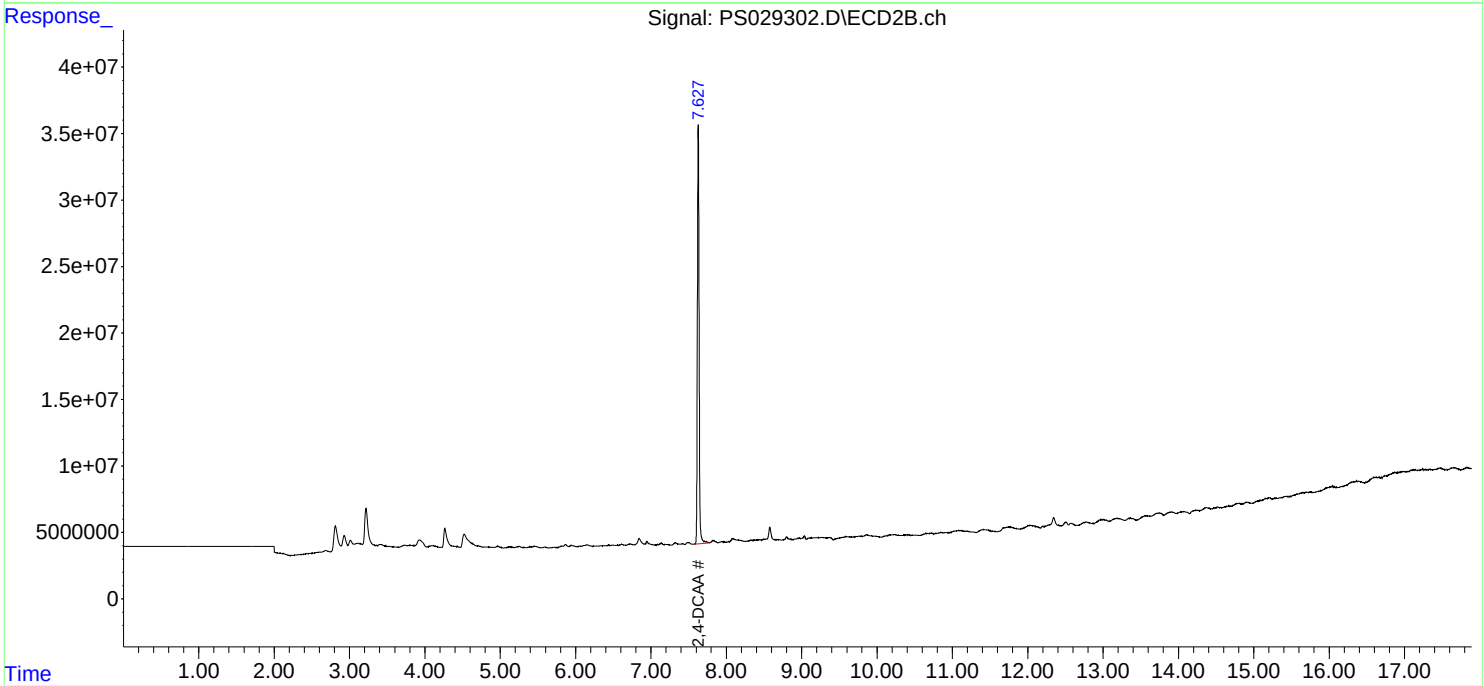
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 18:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

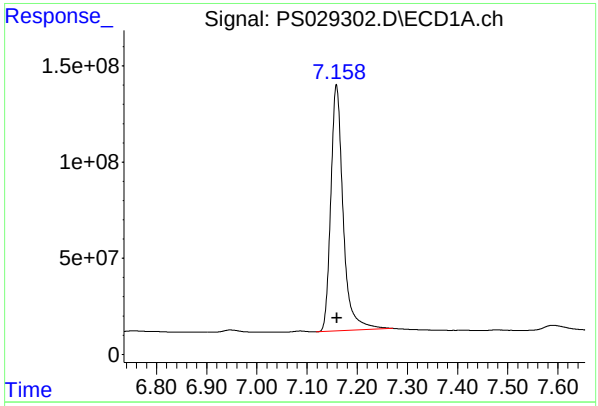
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:05:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



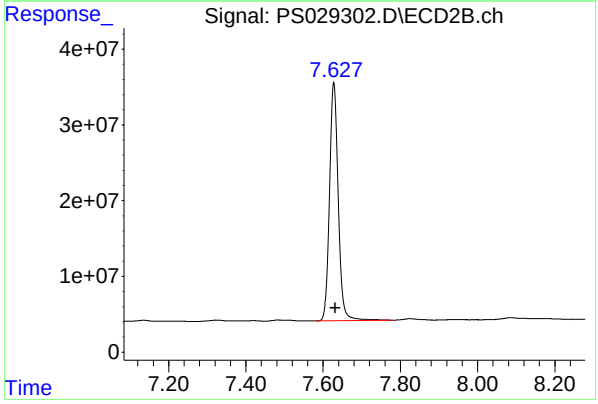




#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: -0.001 min
Response: 2186474185
Conc: 530.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.627 min
Delta R.T.: -0.005 min
Response: 495528357
Conc: 526.97 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:	02/26/25
Project:	Raymark Superfund Site	Date Received:	02/26/25
Client Sample ID:	PIBLK-PS029305.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PS029305.D	Matrix:	WATER
Analytical Method:	SW8151A	% 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
PS029305.D	1		02/26/25	ps022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00042	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.0011	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00043	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00049	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00045	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00050	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00057	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00055	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	524		32 - 138		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\PS022625\
Data File : PS029305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 20:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:07:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.158	7.626	2157.9E6	485.8E6	523.681	516.576
	Target Compounds						

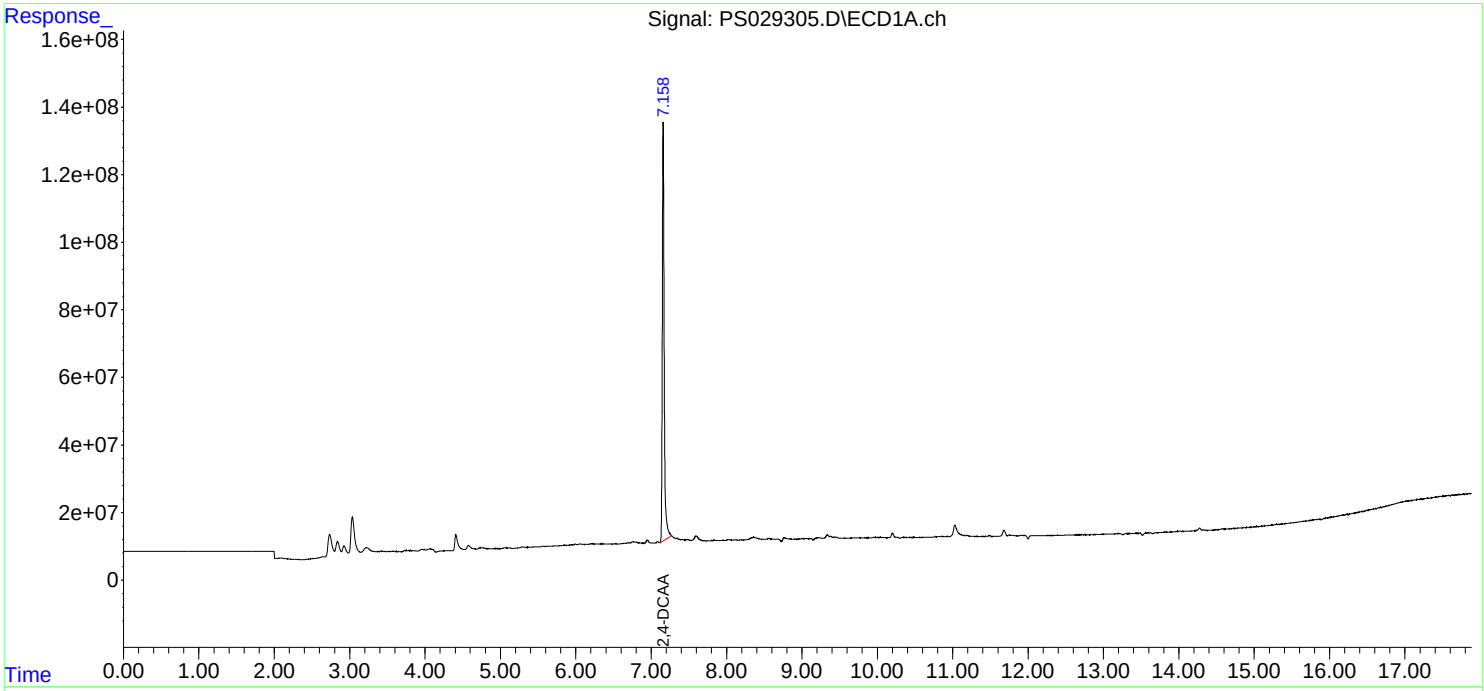
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

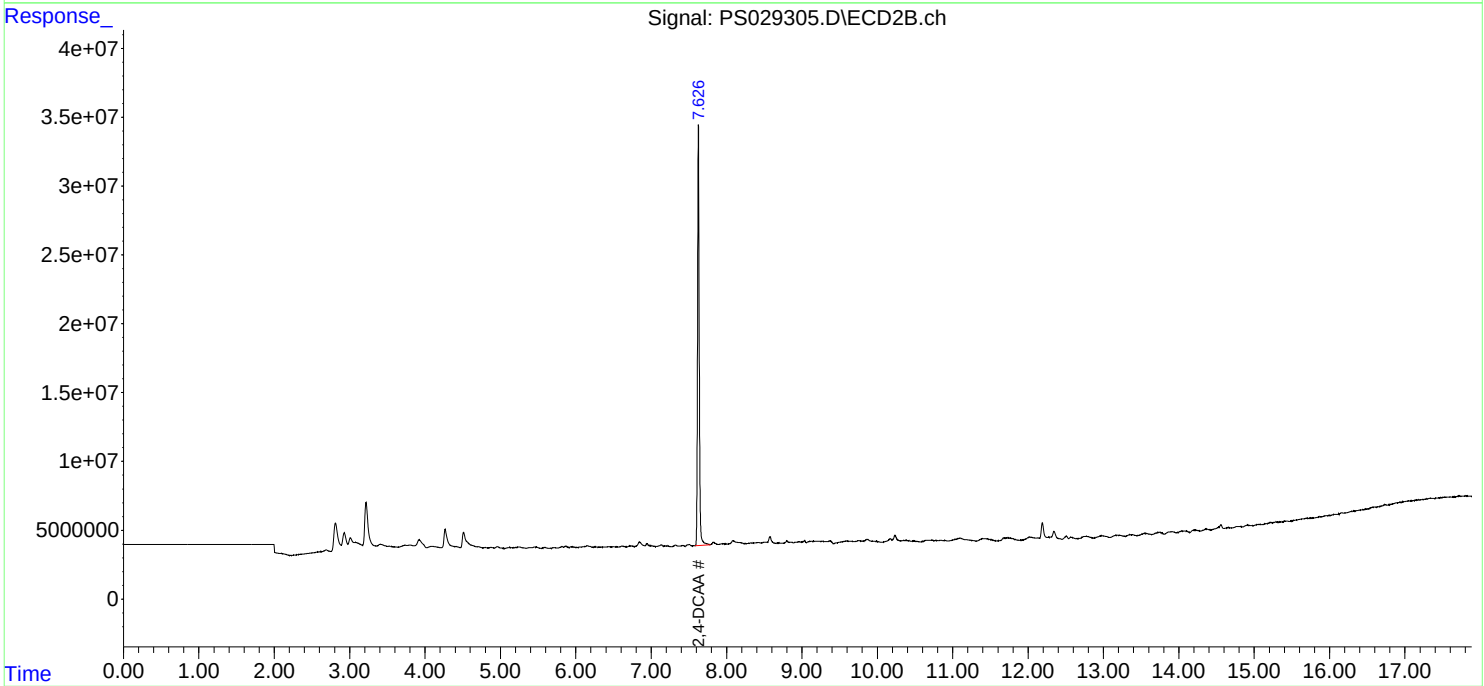
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 20:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

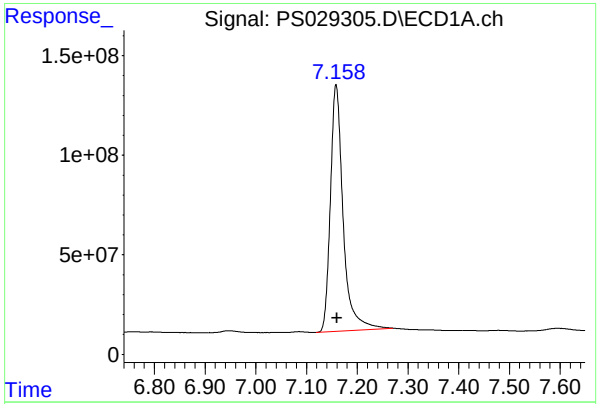
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:07:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



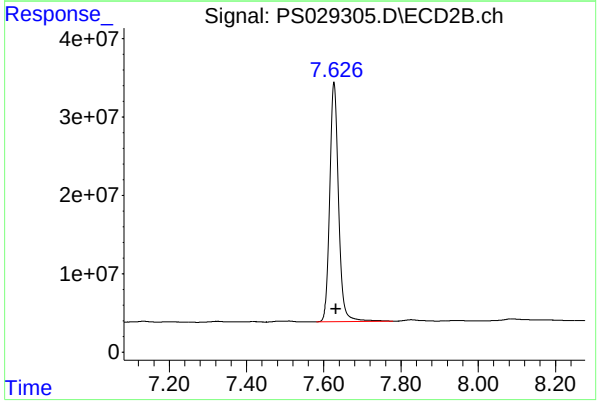




#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.001 mi
Response: 2157866637
Conc: 523.68 ng/m

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.626 min
Delta R.T.: -0.006 min
Response: 485753290
Conc: 516.58 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:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB166764BS	SDG No.:	Q1383
Lab Sample ID:	PB166764BS	Matrix:	SOIL
Analytical Method:	SW8151A	% 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
PS029304.D	1	02/18/25 14:17	02/26/25 20:35	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.18		0.0087	0.033	0.067	mg/Kg
75-99-0	DALAPON	0.16		0.025	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.17		0.0095	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.18		0.012	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.18		0.0094	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.18		0.010	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.17		0.018	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.18		0.012	0.050	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	560		27 - 122		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\PS022625\
Data File : PS029304.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 20:35
Operator : AR\AJ
Sample : PB166764BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB166764BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:07:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.158	7.627	2307.2E6	497.5E6	559.923	529.095
	Target Compounds						
1) T	Dalapon	2.605	2.648	2626.0E6	967.7E6	475.698	457.076
2) T	3,5-DICHL...	6.341	6.600	3084.1E6	699.4E6	527.098	493.865
3) T	4-Nitroph...	6.958	7.158	1165.8E6	384.8E6	498.150	482.419
5) T	DICAMBA	7.341	7.821	9235.8E6	2566.3E6	531.834	498.016
6) T	MCPP	7.520	7.925	620.0E6	115.4E6	50.304	49.344
7) T	MCPA	7.668	8.164	852.9E6	157.3E6	50.335	49.309
8) T	DICHLORPROP	8.041	8.531	2398.7E6	650.4E6	521.858	508.589
9) T	2,4-D	8.270	8.856	2499.4E6	638.8E6	526.149	503.024
10) T	Pentachlo...	8.563	9.373	35193.4E6	12002.5E6	603.079	521.560
11) T	2,4,5-TP ...	9.136	9.750	13307.9E6	4659.7E6	541.259	515.643
12) T	2,4,5-T	9.427	10.164	13858.5E6	4218.1E6	543.712	513.758
13) T	2,4-DB	9.997	10.727	2185.5E6	364.2E6	523.430	475.767
14) T	DINOSEB	11.191	11.103	8805.7E6	3022.3E6	529.482	498.599
15) T	Picloram	11.005	12.177	15985.7E6	5301.5E6	523.376	458.511
16) T	DCPA	11.487	12.136	16574.1E6	6190.0E6	552.407	522.954

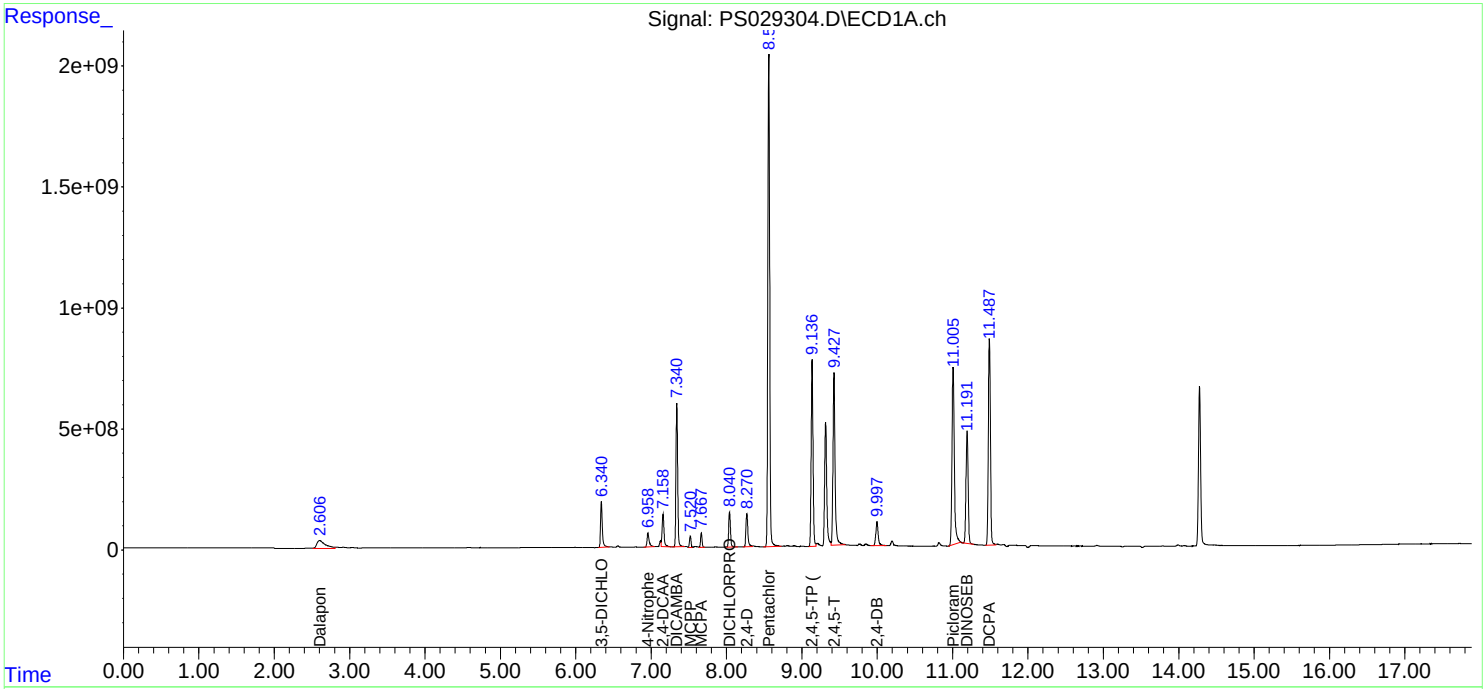
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

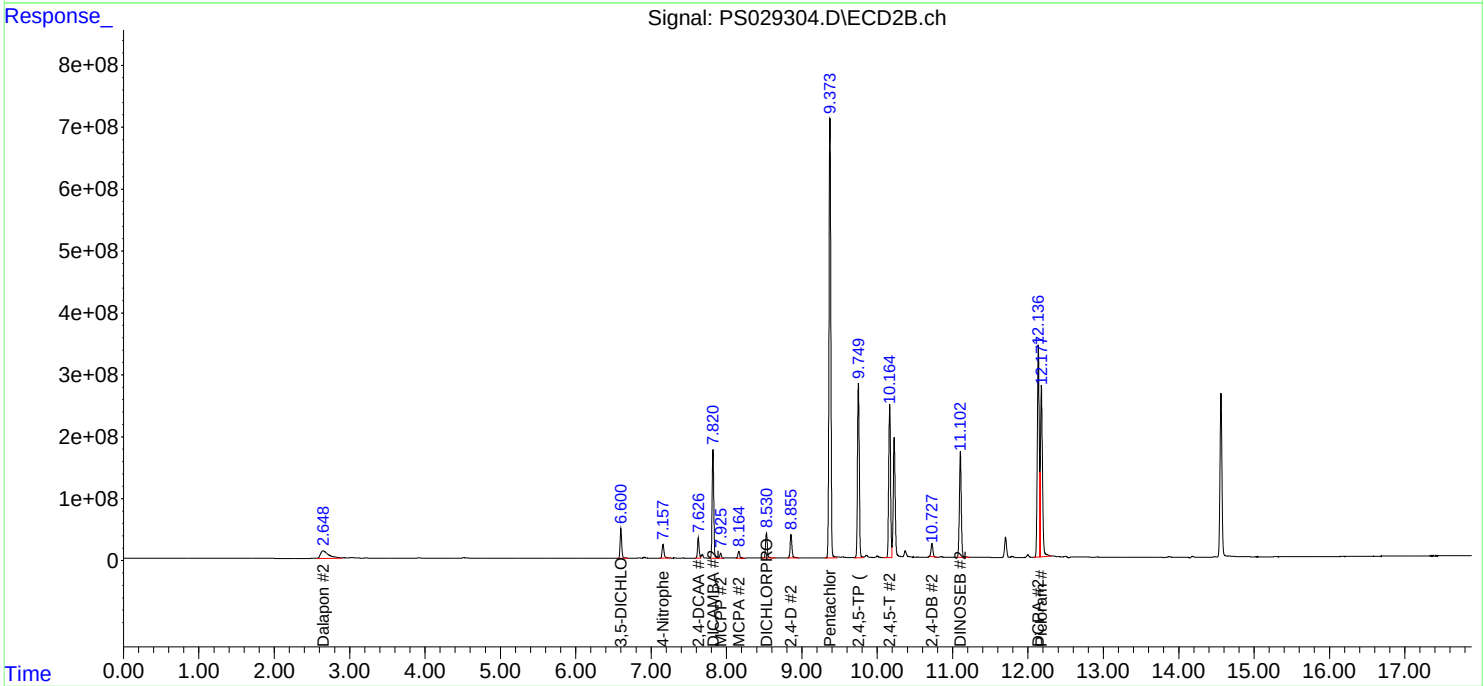
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029304.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 20:35
Operator : AR\AJ
Sample : PB166764BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

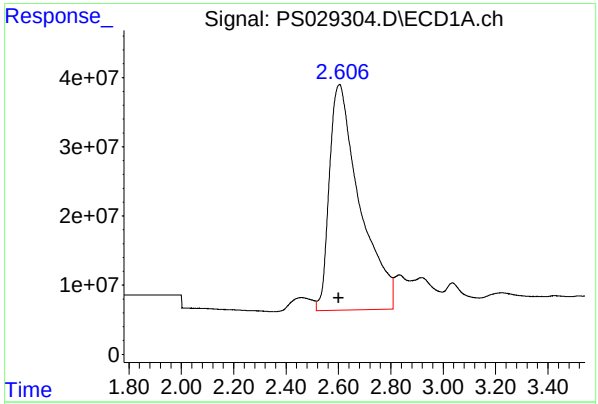
Instrument :
ECD_S
ClientSampleId :
PB166764BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:07:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



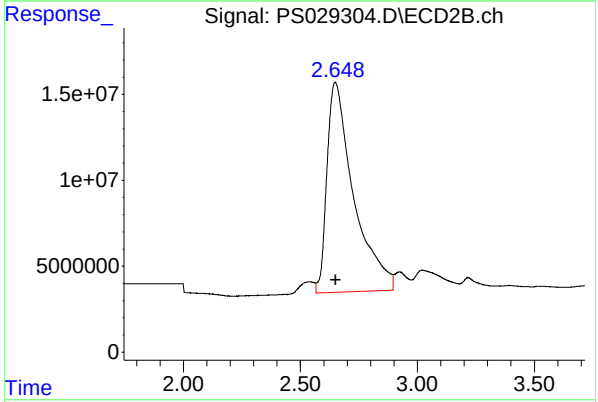




#1 Dalapon

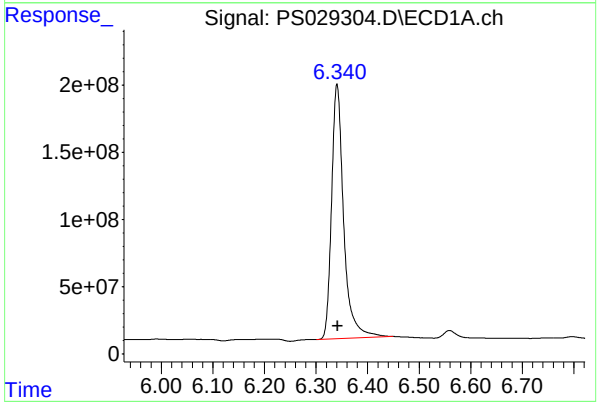
R.T.: 2.605 min
Delta R.T.: 0.005 min
Response: 2625986052
Conc: 475.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB166764BS



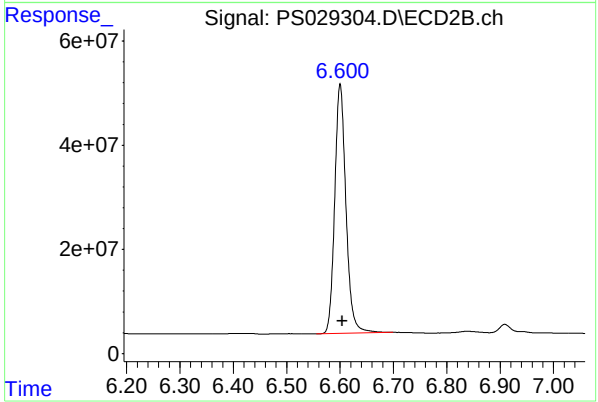
#1 Dalapon

R.T.: 2.648 min
Delta R.T.: -0.003 min
Response: 967683880
Conc: 457.08 ng/ml



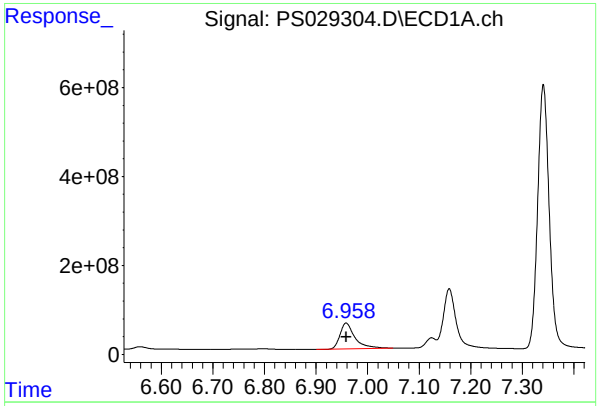
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 3084113224
Conc: 527.10 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

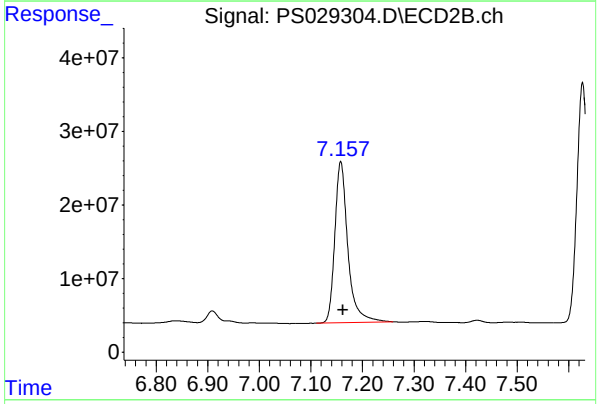
R.T.: 6.600 min
Delta R.T.: -0.004 min
Response: 699369201
Conc: 493.86 ng/ml



#3 4-Nitrophenol

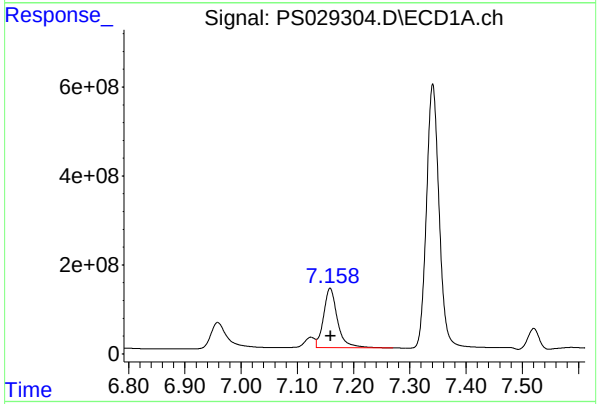
R.T.: 6.958 min
Delta R.T.: 0.000 mi
Response: 1165761979
Conc: 498.15 ng/m

Instrument :
ECD_S
ClientSampleId :
PB166764BS



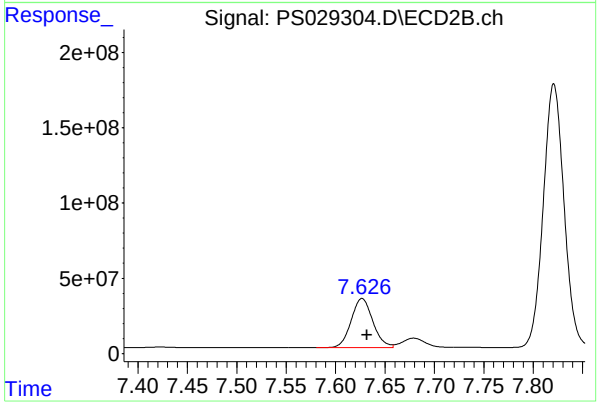
#3 4-Nitrophenol

R.T.: 7.158 min
Delta R.T.: -0.004 min
Response: 384752658
Conc: 482.42 ng/ml



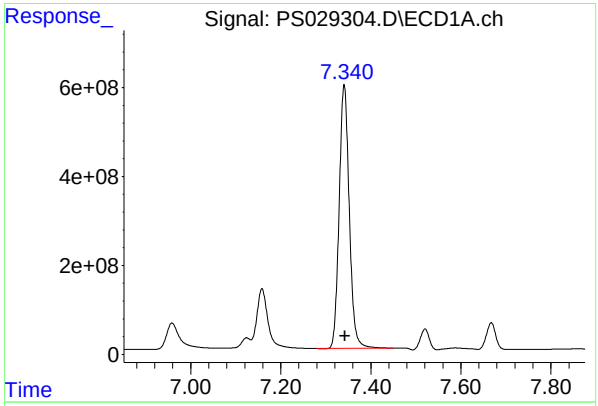
#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.001 min
Response: 2307205701
Conc: 559.92 ng/ml



#4 2,4-DCAA

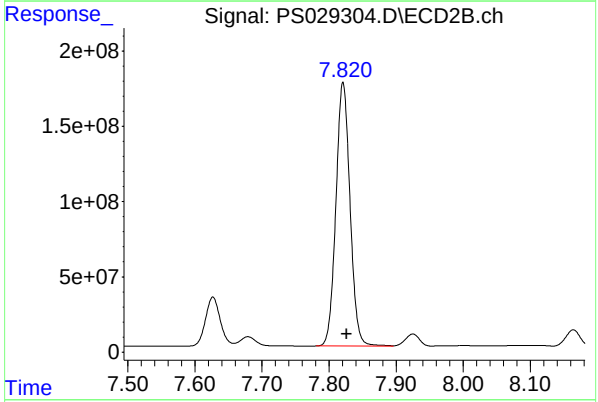
R.T.: 7.627 min
Delta R.T.: -0.005 min
Response: 497525331
Conc: 529.09 ng/ml



#5 DICAMBA

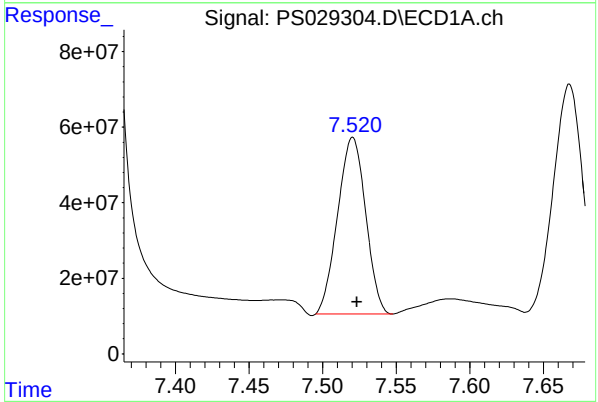
R.T.: 7.341 min
Delta R.T.: -0.002 min
Response: 9235798107
Conc: 531.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB166764BS



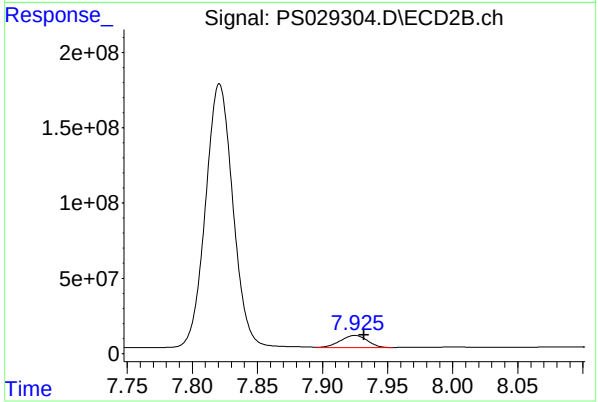
#5 DICAMBA

R.T.: 7.821 min
Delta R.T.: -0.005 min
Response: 2566260792
Conc: 498.02 ng/ml



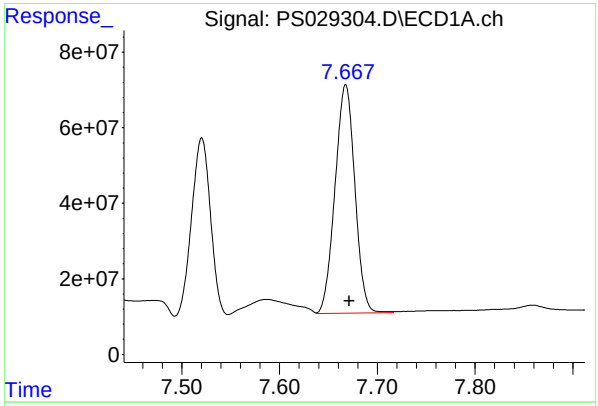
#6 MCPP

R.T.: 7.520 min
Delta R.T.: -0.003 min
Response: 620039759
Conc: 50.30 ug/ml



#6 MCPP

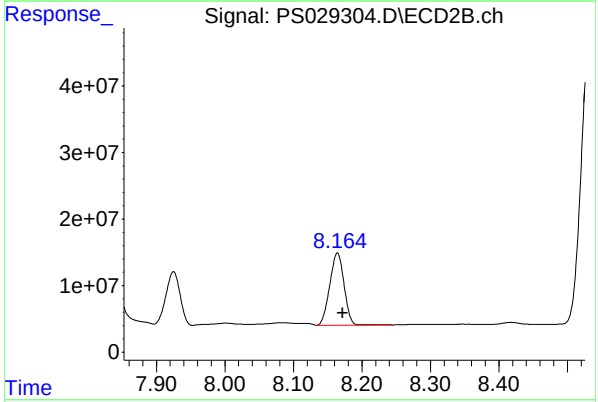
R.T.: 7.925 min
Delta R.T.: -0.007 min
Response: 115423614
Conc: 49.34 ug/ml



#7 MCPA

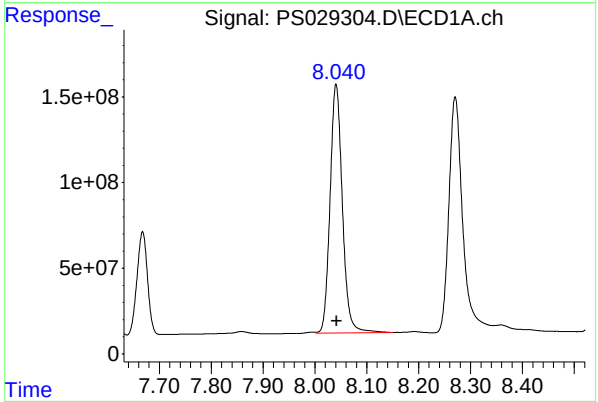
R.T.: 7.668 min
Delta R.T.: -0.004 min
Response: 852940729
Conc: 50.33 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB166764BS



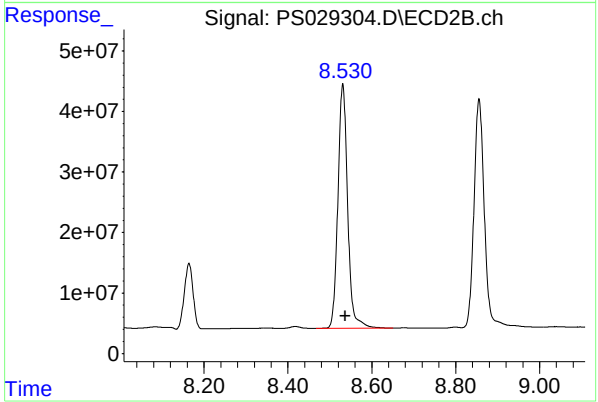
#7 MCPA

R.T.: 8.164 min
Delta R.T.: -0.008 min
Response: 157280692
Conc: 49.31 ug/ml



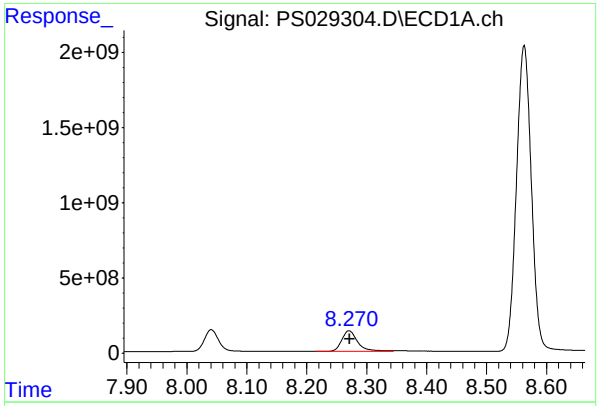
#8 DICHLORPROP

R.T.: 8.041 min
Delta R.T.: -0.001 min
Response: 2398701307
Conc: 521.86 ng/ml



#8 DICHLORPROP

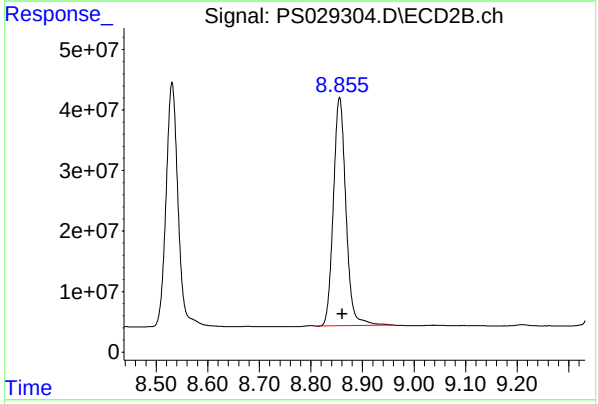
R.T.: 8.531 min
Delta R.T.: -0.005 min
Response: 650363144
Conc: 508.59 ng/ml



#9 2,4-D

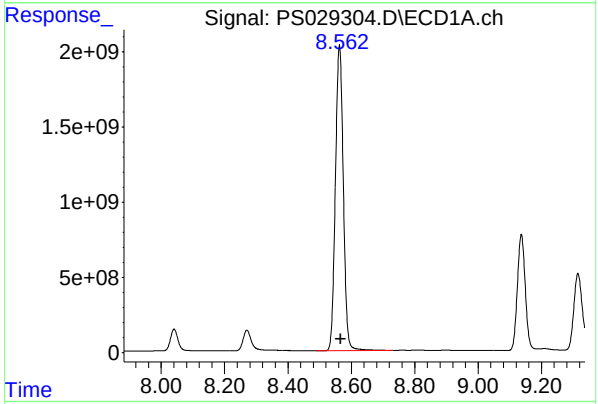
R.T.: 8.270 min
Delta R.T.: 0.000 min
Response: 2499435001
Conc: 526.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB166764BS



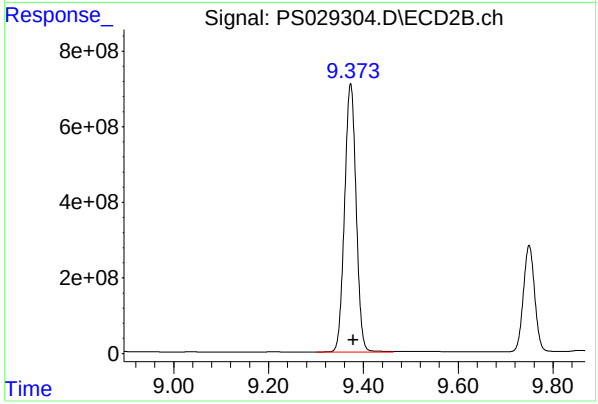
#9 2,4-D

R.T.: 8.856 min
Delta R.T.: -0.006 min
Response: 638788389
Conc: 503.02 ng/ml



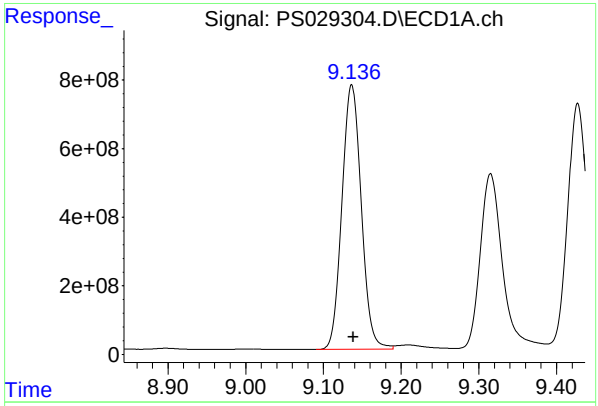
#10 Pentachlorophenol

R.T.: 8.563 min
Delta R.T.: -0.004 min
Response: 35193416998
Conc: 603.08 ng/ml



#10 Pentachlorophenol

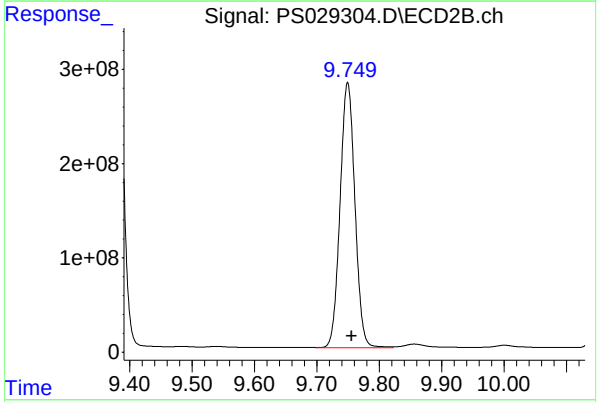
R.T.: 9.373 min
Delta R.T.: -0.006 min
Response: 12002487481
Conc: 521.56 ng/ml



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

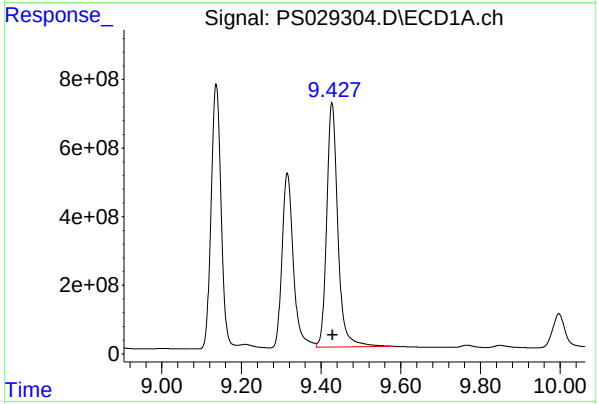
R.T.: 9.136 min
Delta R.T.: -0.002 min
Response: 13307910152
Conc: 541.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB166764BS



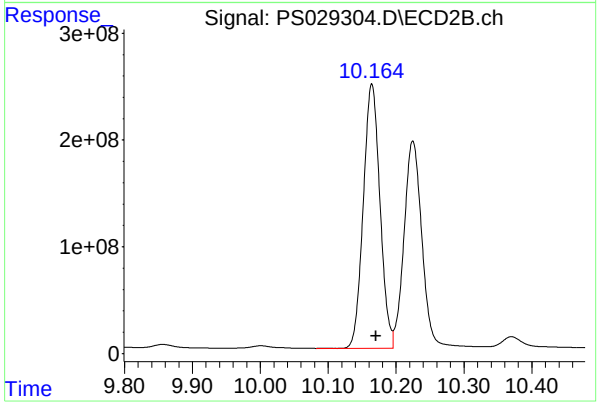
#11 2,4,5-TP (SILVEX)

R.T.: 9.750 min
Delta R.T.: -0.006 min
Response: 4659716142
Conc: 515.64 ng/ml



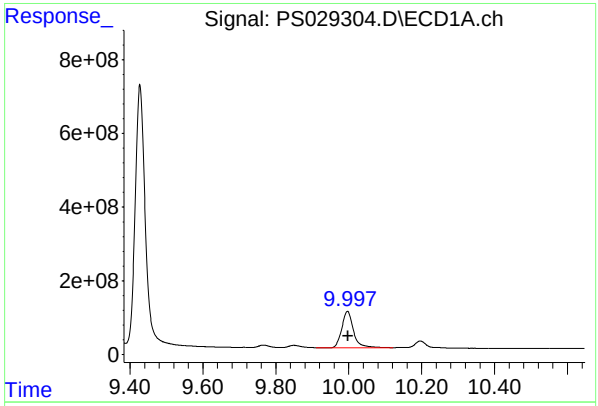
#12 2,4,5-T

R.T.: 9.427 min
Delta R.T.: -0.002 min
Response: 13858524272
Conc: 543.71 ng/ml



#12 2,4,5-T

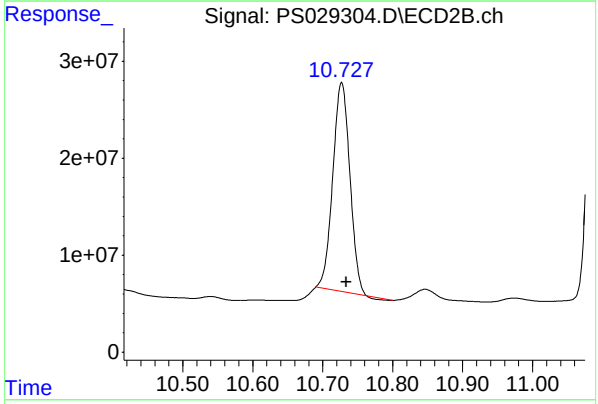
R.T.: 10.164 min
Delta R.T.: -0.006 min
Response: 4218102048
Conc: 513.76 ng/ml



#13 2,4-DB

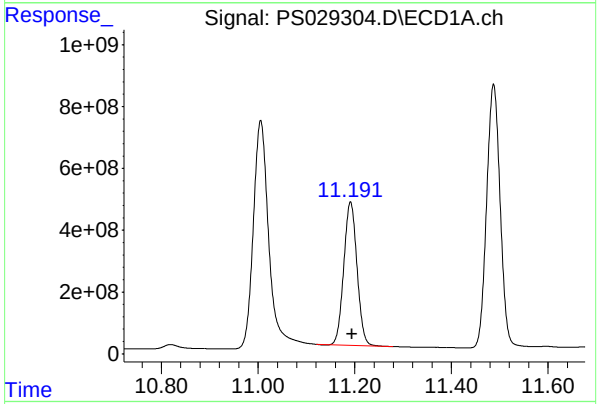
R.T.: 9.997 min
Delta R.T.: -0.002 min
Response: 2185546279
Conc: 523.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB166764BS



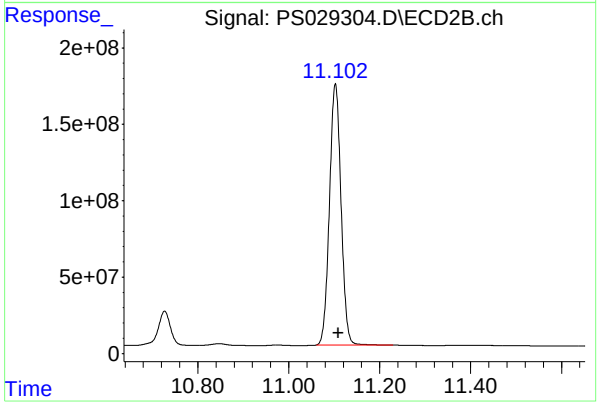
#13 2,4-DB

R.T.: 10.727 min
Delta R.T.: -0.007 min
Response: 364242799
Conc: 475.77 ng/ml



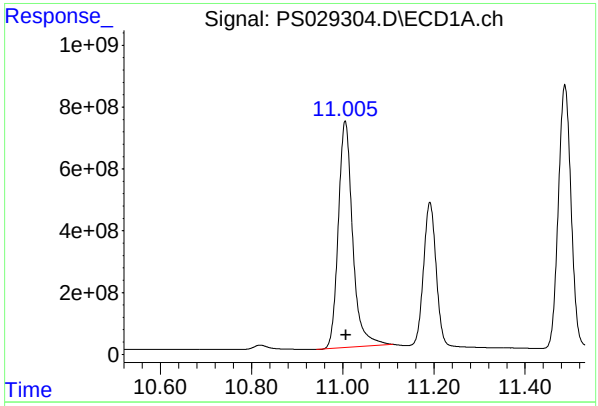
#14 DINOSEB

R.T.: 11.191 min
Delta R.T.: -0.003 min
Response: 8805723750
Conc: 529.48 ng/ml



#14 DINOSEB

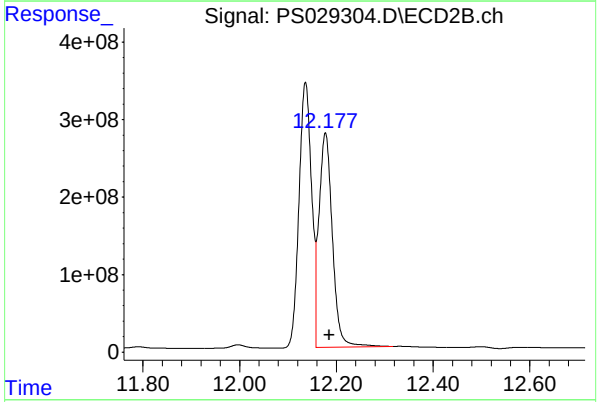
R.T.: 11.103 min
Delta R.T.: -0.007 min
Response: 3022270764
Conc: 498.60 ng/ml



#15 Picloram

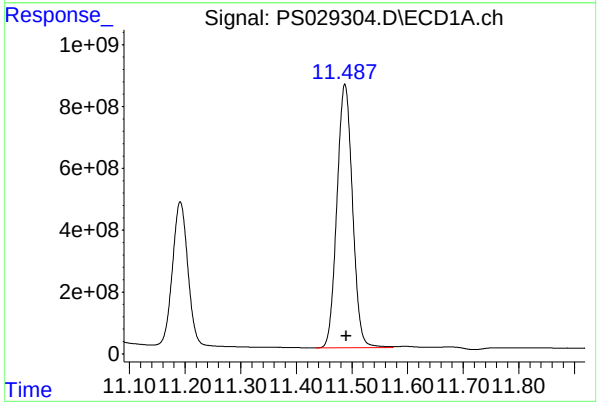
R.T.: 11.005 min
Delta R.T.: -0.001 min
Response: 15985717982
Conc: 523.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB166764BS



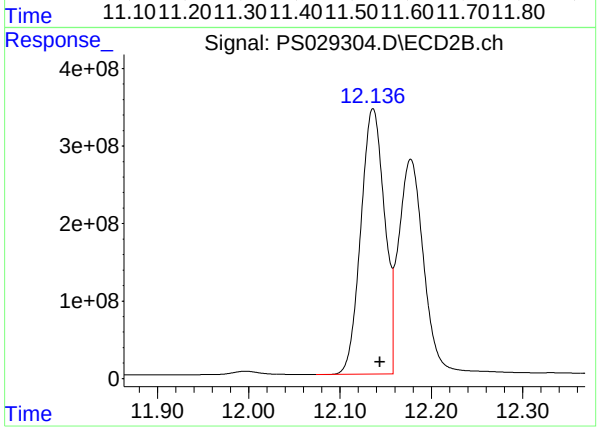
#15 Picloram

R.T.: 12.177 min
Delta R.T.: -0.008 min
Response: 5301504710
Conc: 458.51 ng/ml



#16 DCPA

R.T.: 11.487 min
Delta R.T.: -0.003 min
Response: 16574143037
Conc: 552.41 ng/ml



#16 DCPA

R.T.: 12.136 min
Delta R.T.: -0.008 min
Response: 6189970738
Conc: 522.95 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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-11-021725MS	SDG No.:	Q1383
Lab Sample ID:	Q1383-01MS	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92.6 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
PS029294.D	1	02/18/25 14:17	02/26/25 15:46	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.096		0.0093	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.069	J	0.027	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.10		0.010	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.12		0.013	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.11		0.010	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.099		0.011	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.084		0.020	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	337		27 - 122		67%	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\PS022625\
Data File : PS029294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 15:46
Operator : AR\AJ
Sample : Q1383-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.159	7.627	1387.8E6	256.6E6	336.791	272.864m
	Target Compounds						
1) T	Dalapon	2.601	2.650	860.4E6	406.3E6	155.857m	191.911m
2) T	3,5-DICHL...	6.341	6.601	1790.0E6	358.5E6	305.930	253.140m
3) T	4-Nitroph...	6.959	7.161	670.4E6	206.2E6	286.484m	258.512
5) T	DICAMBA	7.342	7.822	4642.6E6	1238.6E6	267.339	240.361m
6) T	MCPP	7.520	7.924	285.9E6	49039869	23.196	20.965
7) T	MCPA	7.667	8.163	441.6E6	75158308	26.062	23.563
8) T	DICHLORPROP	8.041	8.531	1277.5E6	286.0E6	277.938	223.616m
9) T	2,4-D	8.270	8.857	1523.6E6	352.2E6	320.724	277.313
10) T	Pentachlo...	8.564	9.374	15989.4E6	4999.2E6	273.996	217.238m
11) T	2,4,5-TP ...	9.138	9.751	7154.8E6	2352.0E6	291.001	260.276m
12) T	2,4,5-T	9.428	10.166	6996.4E6	2011.6E6	274.489	245.010m
13) T	2,4-DB	9.999	10.728	874.5E6	179.8E6	209.435m	234.865
14) T	DINOSEB	11.193	11.104	432.3E6	131.8E6	25.994m	21.743
15) T	Picloram	11.007	12.180	6814.3E6	2178.2E6	223.100	188.383
16) T	DCPA	11.486	12.138	6308.9E6	3105.7E6	210.274	262.379m

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

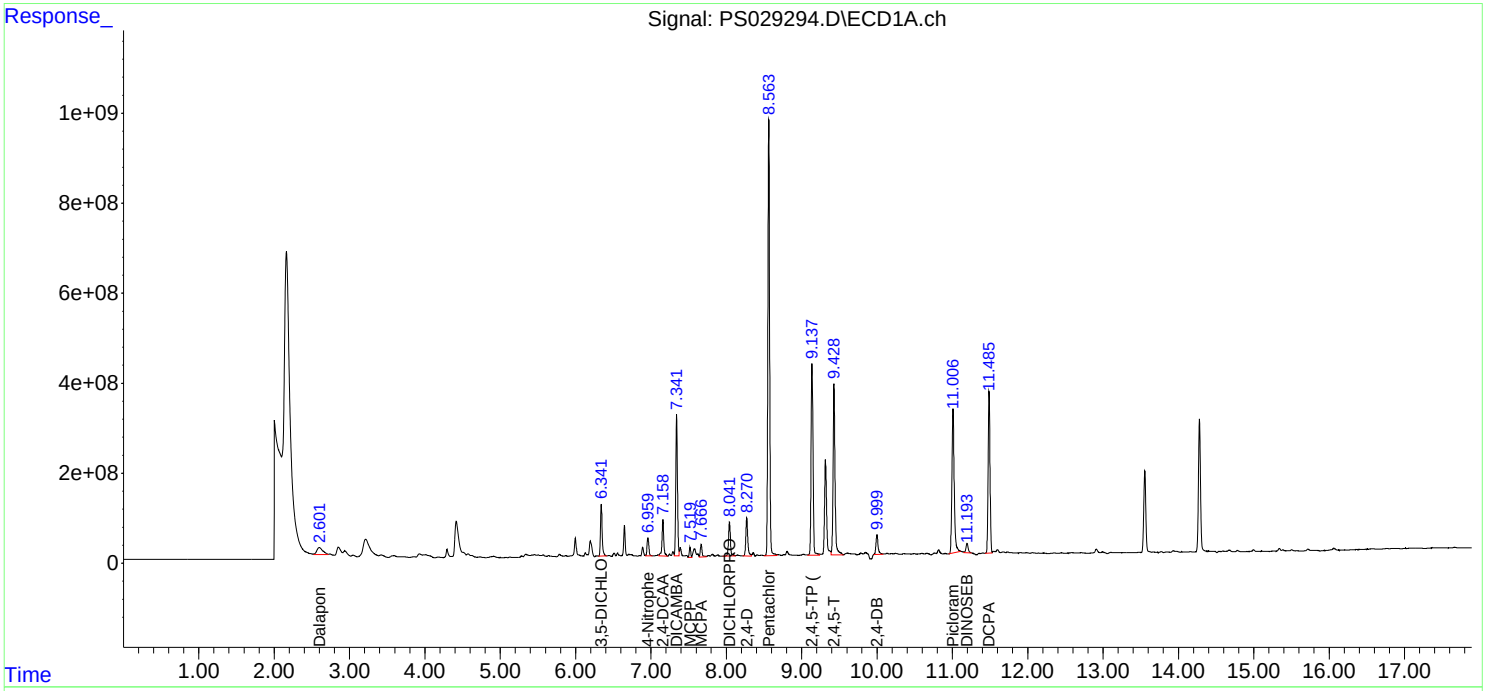
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 15:46
Operator : AR\AJ
Sample : Q1383-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

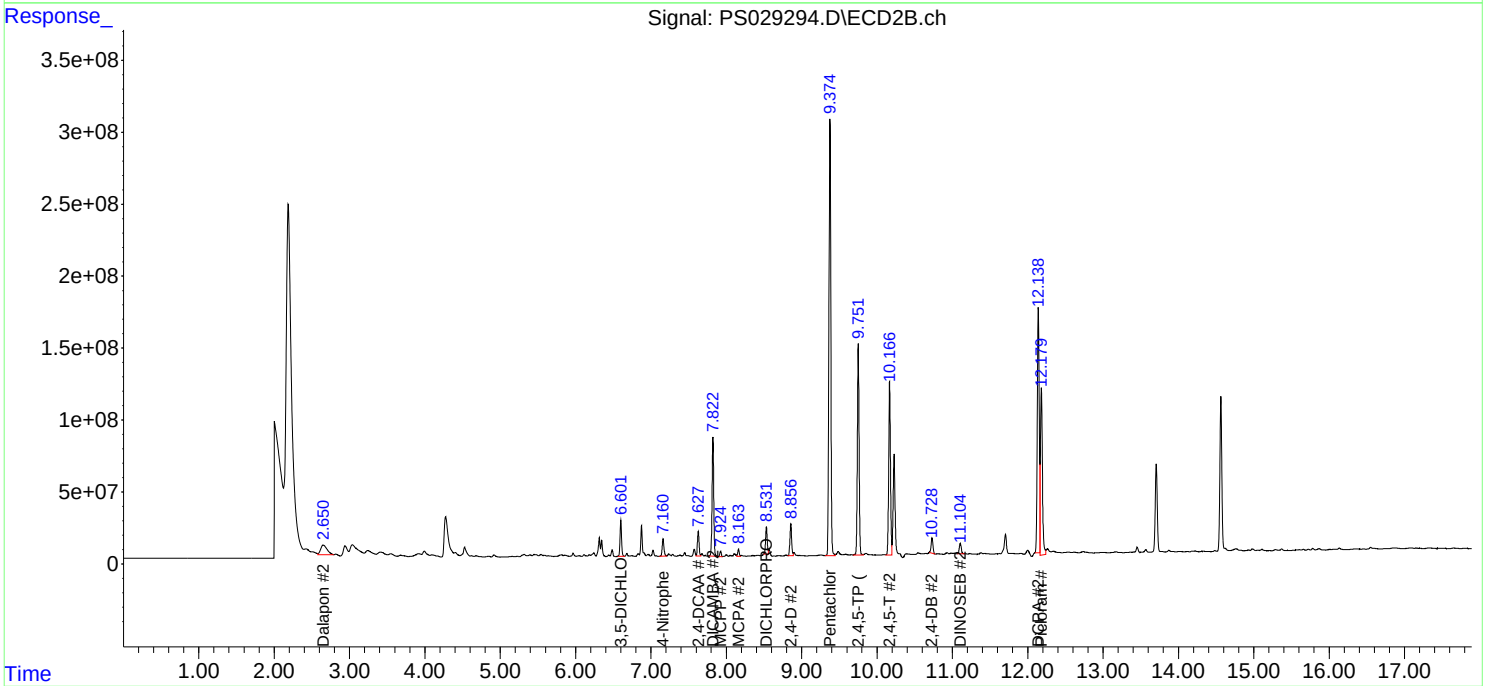
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

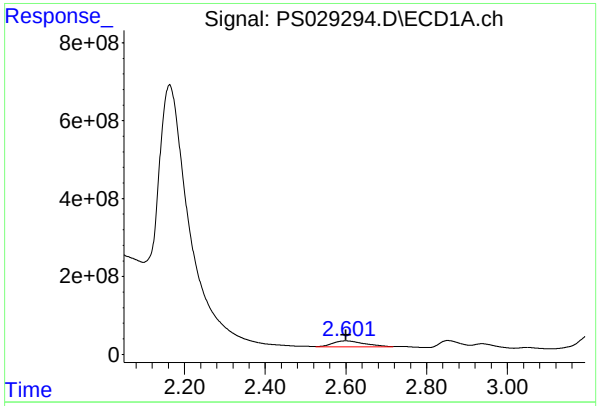
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







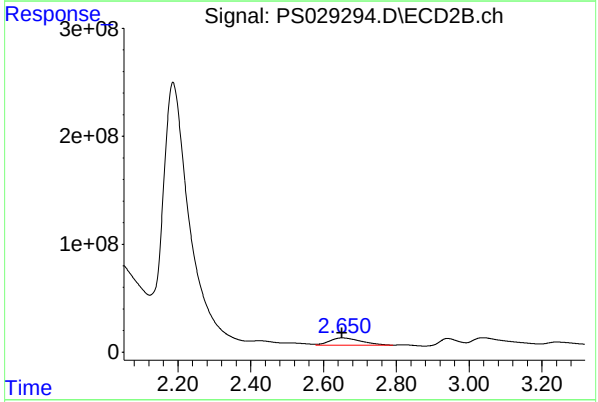
#1 Dalapon

R.T.: 2.601 min
Delta R.T.: 0.000 mi
Response: 860372862
Conc: 155.86 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

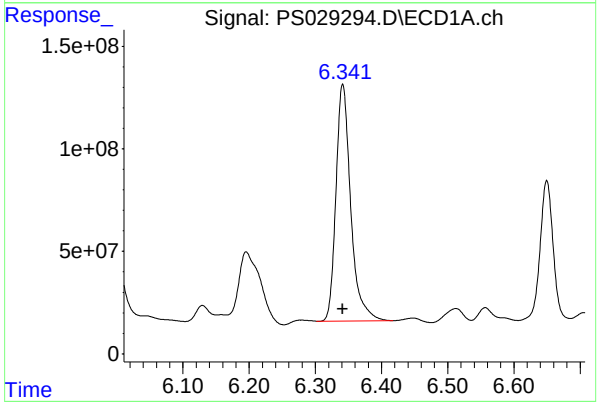
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



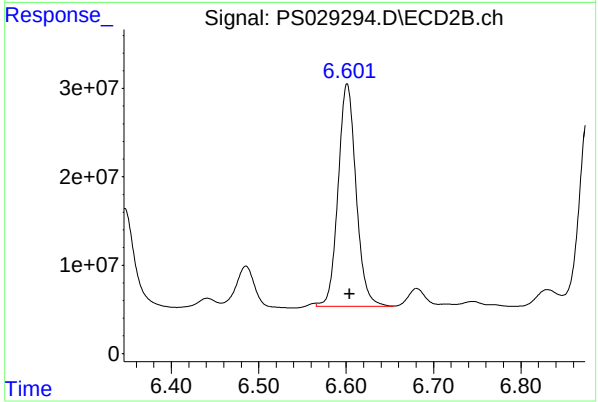
#1 Dalapon

R.T.: 2.650 min
Delta R.T.: 0.000 min
Response: 406299657
Conc: 191.91 ng/ml m



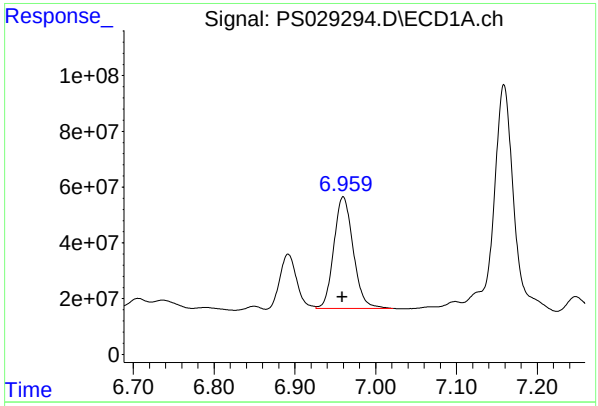
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 1790035346
Conc: 305.93 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.601 min
Delta R.T.: -0.003 min
Response: 358474977
Conc: 253.14 ng/ml m



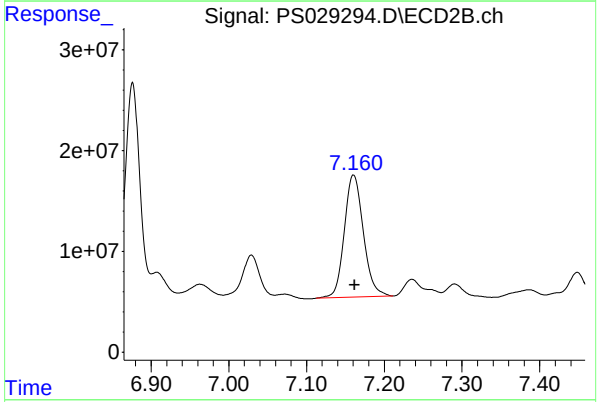
#3 4-Nitrophenol

R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 670424476
Conc: 286.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

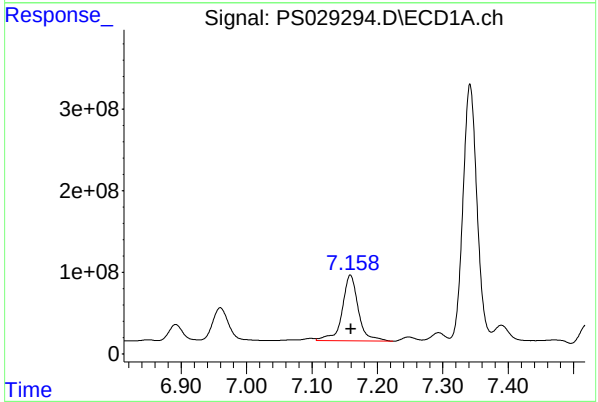
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



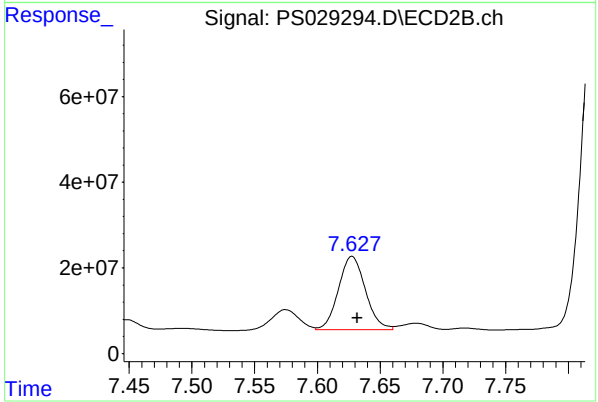
#3 4-Nitrophenol

R.T.: 7.161 min
Delta R.T.: -0.002 min
Response: 206175853
Conc: 258.51 ng/ml



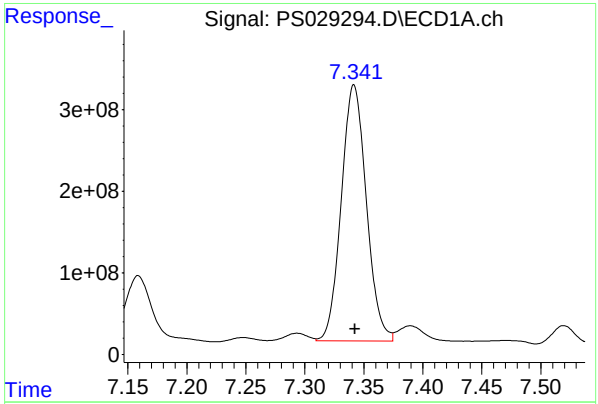
#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 1387774003
Conc: 336.79 ng/ml



#4 2,4-DCAA

R.T.: 7.627 min
Delta R.T.: -0.005 min
Response: 256583171
Conc: 272.86 ng/ml m



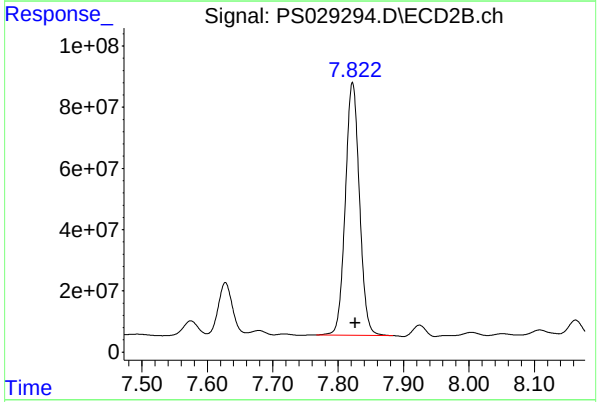
#5 DICAMBA

R.T.: 7.342 min
Delta R.T.: 0.000 mi
Response: 4642589777
Conc: 267.34 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

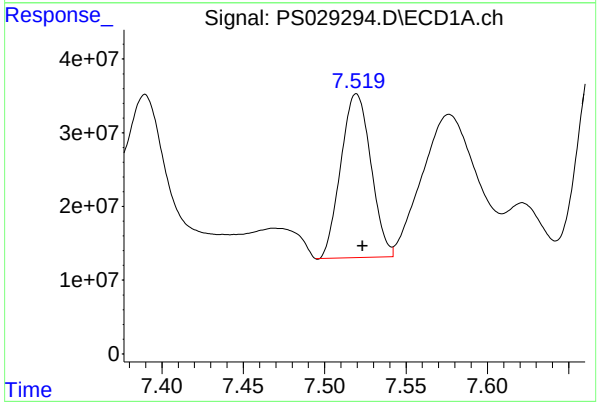
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



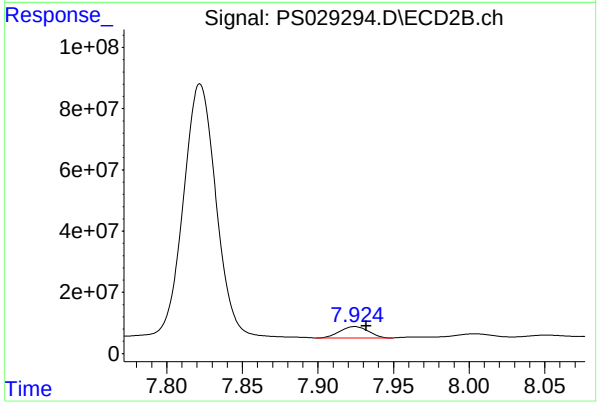
#5 DICAMBA

R.T.: 7.822 min
Delta R.T.: -0.005 min
Response: 1238573389
Conc: 240.36 ng/ml m



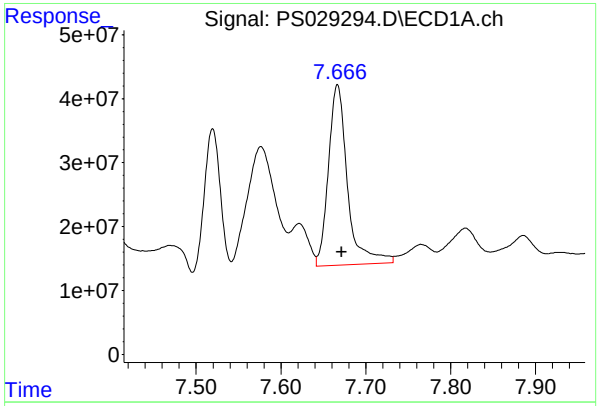
#6 MCPP

R.T.: 7.520 min
Delta R.T.: -0.004 min
Response: 285913073
Conc: 23.20 ug/ml



#6 MCPP

R.T.: 7.924 min
Delta R.T.: -0.007 min
Response: 49039869
Conc: 20.96 ug/ml



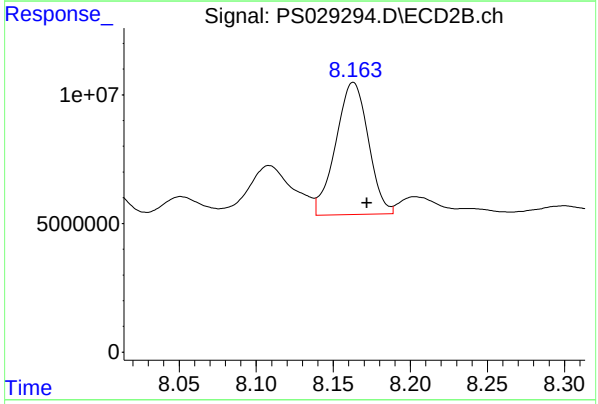
#7 MCPA

R.T.: 7.667 min
Delta R.T.: -0.005 mi
Response: 441637286
Conc: 26.06 ug/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

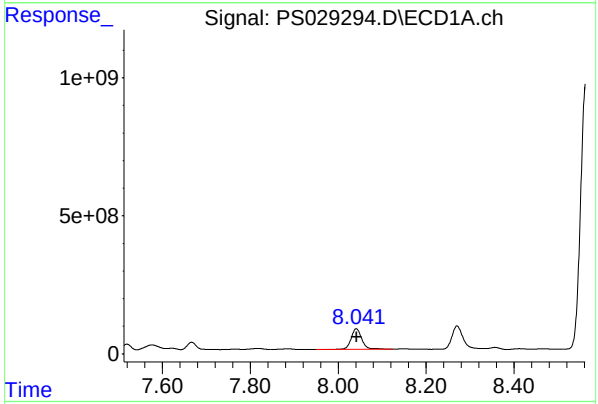
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



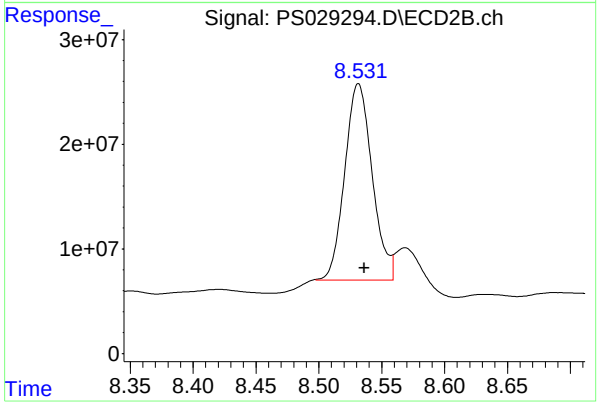
#7 MCPA

R.T.: 8.163 min
Delta R.T.: -0.009 min
Response: 75158308
Conc: 23.56 ug/ml



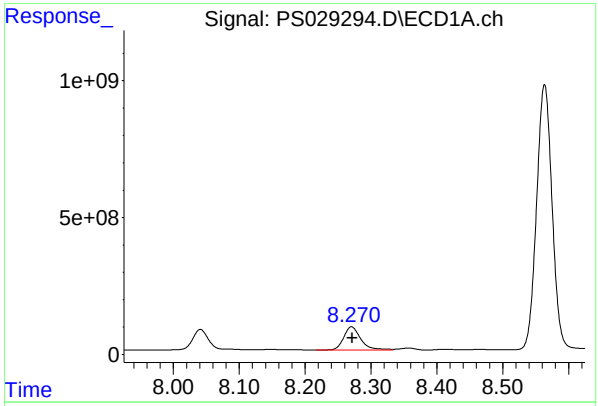
#8 DICHLORPROP

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 1277531616
Conc: 277.94 ng/ml



#8 DICHLORPROP

R.T.: 8.531 min
Delta R.T.: -0.005 min
Response: 285951477
Conc: 223.62 ng/ml m



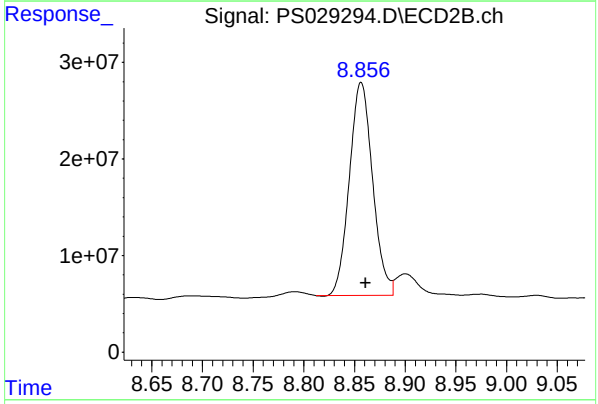
#9 2,4-D

R.T.: 8.270 min
Delta R.T.: 0.000 min
Response: 1523577751
Conc: 320.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

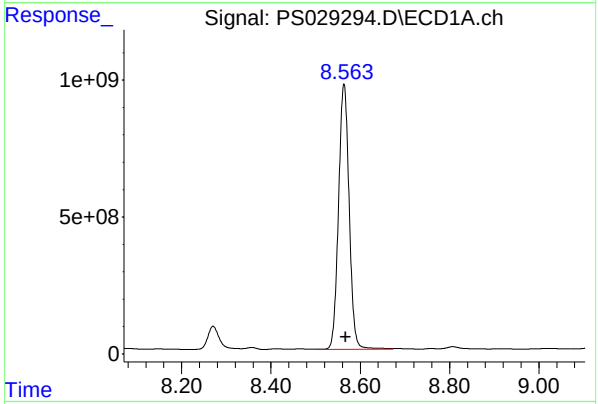
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



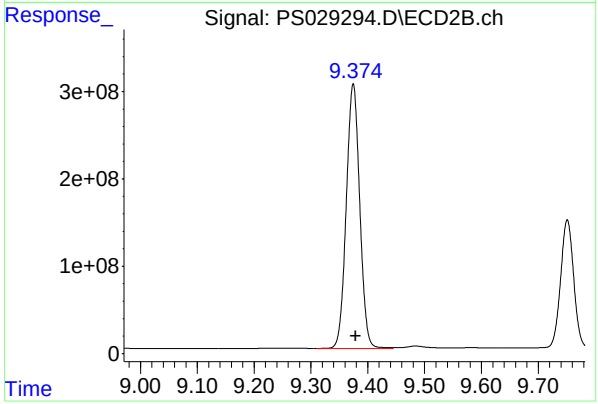
#9 2,4-D

R.T.: 8.857 min
Delta R.T.: -0.005 min
Response: 352159135
Conc: 277.31 ng/ml



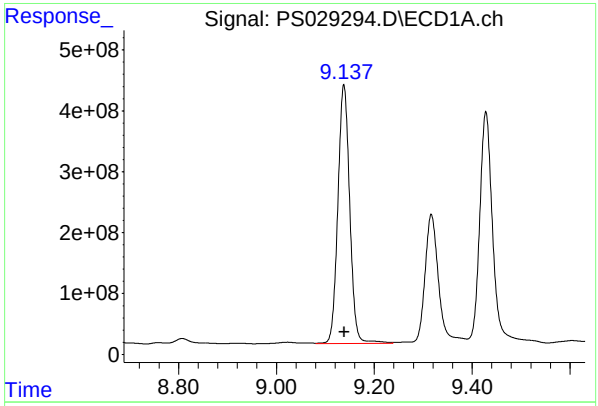
#10 Pentachlorophenol

R.T.: 8.564 min
Delta R.T.: -0.004 min
Response: 15989387005
Conc: 274.00 ng/ml



#10 Pentachlorophenol

R.T.: 9.374 min
Delta R.T.: -0.005 min
Response: 4999223225
Conc: 217.24 ng/ml m



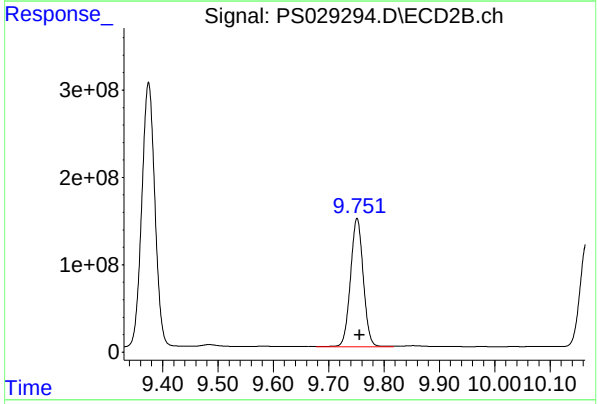
#11 2,4,5-TP (SILVEX)

R.T.: 9.138 min
Delta R.T.: 0.000 min
Response: 7154831076
Conc: 291.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

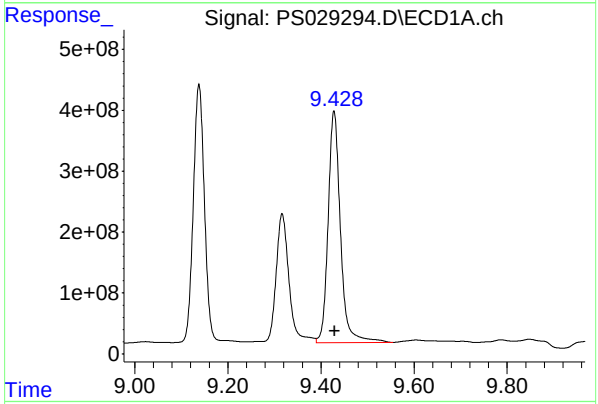
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



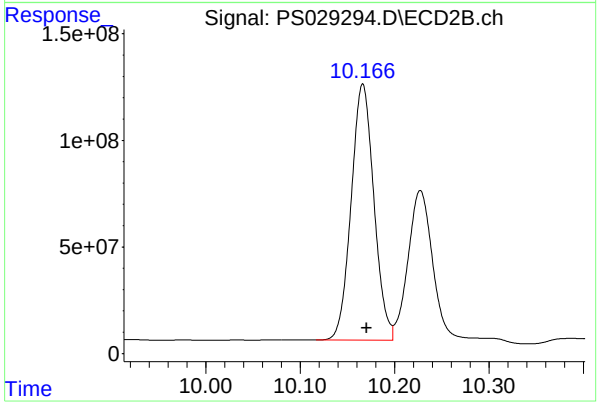
#11 2,4,5-TP (SILVEX)

R.T.: 9.751 min
Delta R.T.: -0.005 min
Response: 2352034487
Conc: 260.28 ng/ml m



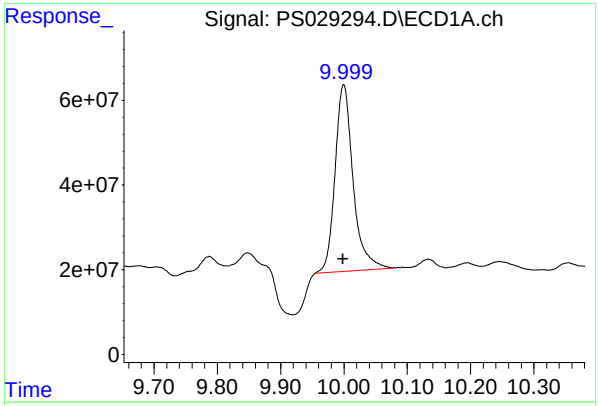
#12 2,4,5-T

R.T.: 9.428 min
Delta R.T.: -0.001 min
Response: 6996373937
Conc: 274.49 ng/ml



#12 2,4,5-T

R.T.: 10.166 min
Delta R.T.: -0.005 min
Response: 2011601513
Conc: 245.01 ng/ml m



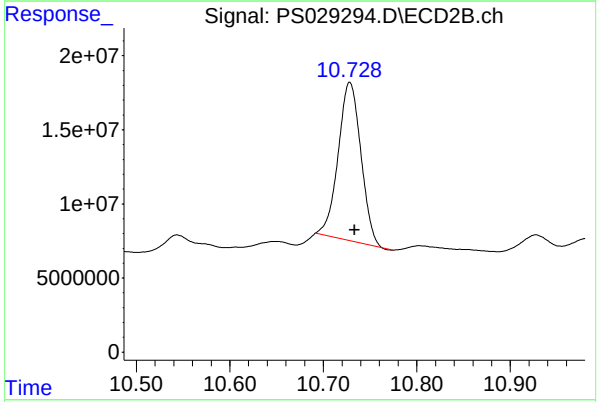
#13 2,4-DB

R.T.: 9.999 min
Delta R.T.: 0.000 mi
Response: 874481318
Conc: 209.44 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

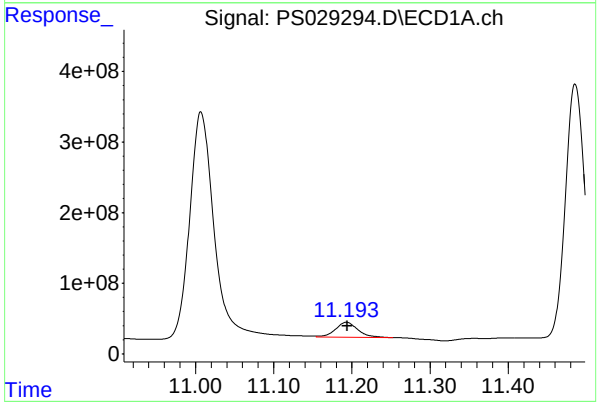
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



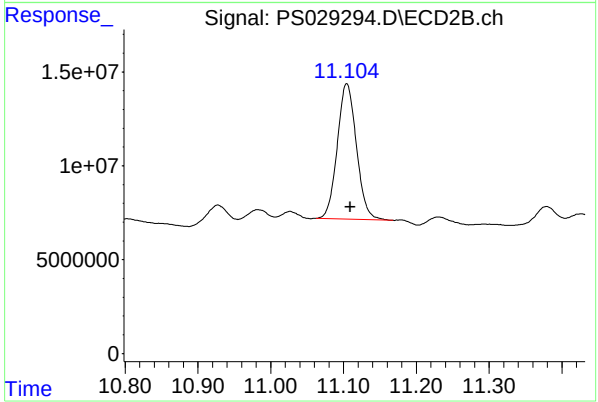
#13 2,4-DB

R.T.: 10.728 min
Delta R.T.: -0.005 min
Response: 179810929
Conc: 234.87 ng/ml



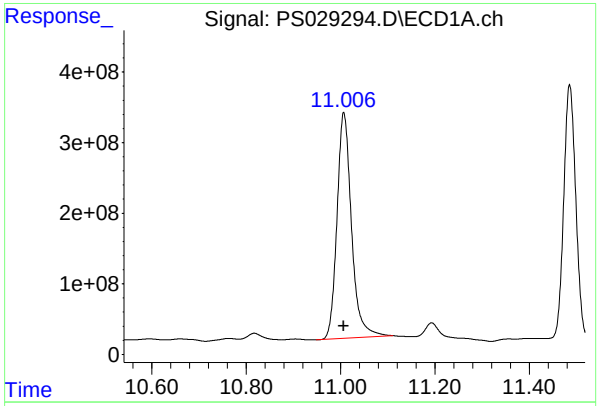
#14 DINOSEB

R.T.: 11.193 min
Delta R.T.: -0.002 min
Response: 432295995
Conc: 25.99 ng/ml m



#14 DINOSEB

R.T.: 11.104 min
Delta R.T.: -0.005 min
Response: 131794985
Conc: 21.74 ng/ml



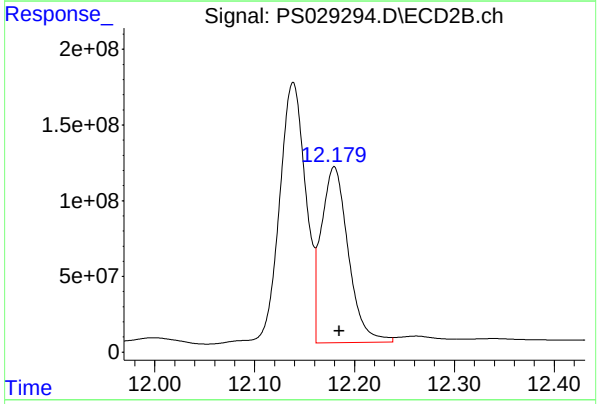
#15 Picloram

R.T.: 11.007 min
Delta R.T.: 0.000 min
Response: 6814258862
Conc: 223.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

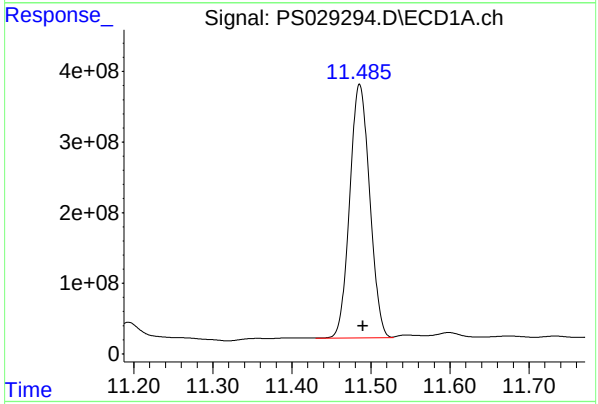
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 02/28/2025



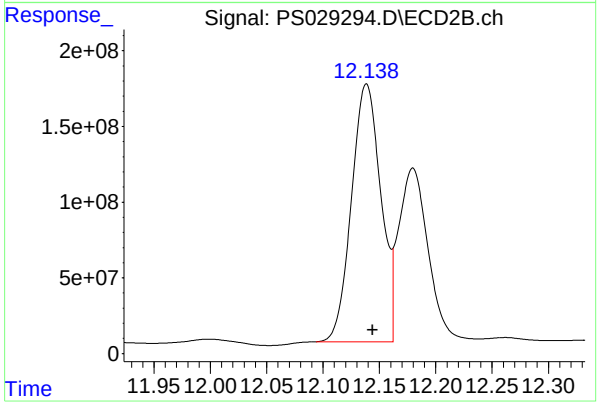
#15 Picloram

R.T.: 12.180 min
Delta R.T.: -0.005 min
Response: 2178165395
Conc: 188.38 ng/ml



#16 DCPA

R.T.: 11.486 min
Delta R.T.: -0.004 min
Response: 6308944103
Conc: 210.27 ng/ml



#16 DCPA

R.T.: 12.138 min
Delta R.T.: -0.006 min
Response: 3105659796
Conc: 262.38 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:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-11-021725MSD	SDG No.:	Q1383
Lab Sample ID:	Q1383-01MSD	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	92.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029295.D	1	02/18/25 14:17	02/26/25 16:10	PB166764

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.098		0.0094	0.036	0.072	mg/Kg
75-99-0	DALAPON	0.069	J	0.027	0.054	0.072	mg/Kg
120-36-5	DICHLORPROP	0.10		0.010	0.036	0.072	mg/Kg
94-75-7	2,4-D	0.12		0.013	0.036	0.072	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.11		0.010	0.036	0.072	mg/Kg
93-76-5	2,4,5-T	0.10		0.011	0.036	0.072	mg/Kg
94-82-6	2,4-DB	0.086		0.020	0.036	0.072	mg/Kg
88-85-7	DINOSEB	0.054	U	0.013	0.054	0.072	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	316		27 - 122		63%	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\PS022625\
Data File : PS029295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 16:10
Operator : AR\AJ
Sample : Q1383-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.158	7.627	1300.4E6	261.3E6	315.577m	277.895m
	Target Compounds						
1) T	Dalapon	2.599	2.651	886.6E6	403.9E6	160.616m	190.792m
2) T	3,5-DICHL...	6.341	6.601	1825.2E6	363.1E6	311.941	256.385m
3) T	4-Nitroph...	6.960	7.160	680.1E6	209.9E6	290.626m	263.196
5) T	DICAMBA	7.342	7.822	4733.4E6	1257.3E6	272.569	243.993m
6) T	MCPP	7.519	7.924	296.0E6	51347929	24.014	21.952
7) T	MCPA	7.666	8.163	463.8E6	80816251	27.368	25.337
8) T	DICHLORPROP	8.041	8.532	1307.0E6	287.1E6	284.355	224.551m
9) T	2,4-D	8.270	8.856	1542.7E6	360.8E6	324.758	284.106
10) T	Pentachlo...	8.564	9.374	16368.9E6	5101.0E6	280.501	221.660
11) T	2,4,5-TP ...	9.138	9.751	7300.6E6	2378.9E6	296.928	263.251m
12) T	2,4,5-T	9.428	10.165	7156.9E6	2046.0E6	280.787	249.197m
13) T	2,4-DB	9.999	10.728	912.3E6	182.7E6	218.485m	238.660
14) T	DINOSEB	11.193	11.104	443.6E6	141.8E6	26.671	23.389
15) T	Picloram	11.007	12.180	7006.2E6	2213.9E6	229.384	191.471
16) T	DCPA	11.485	12.137	6396.8E6	3127.9E6	213.202	264.253m

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

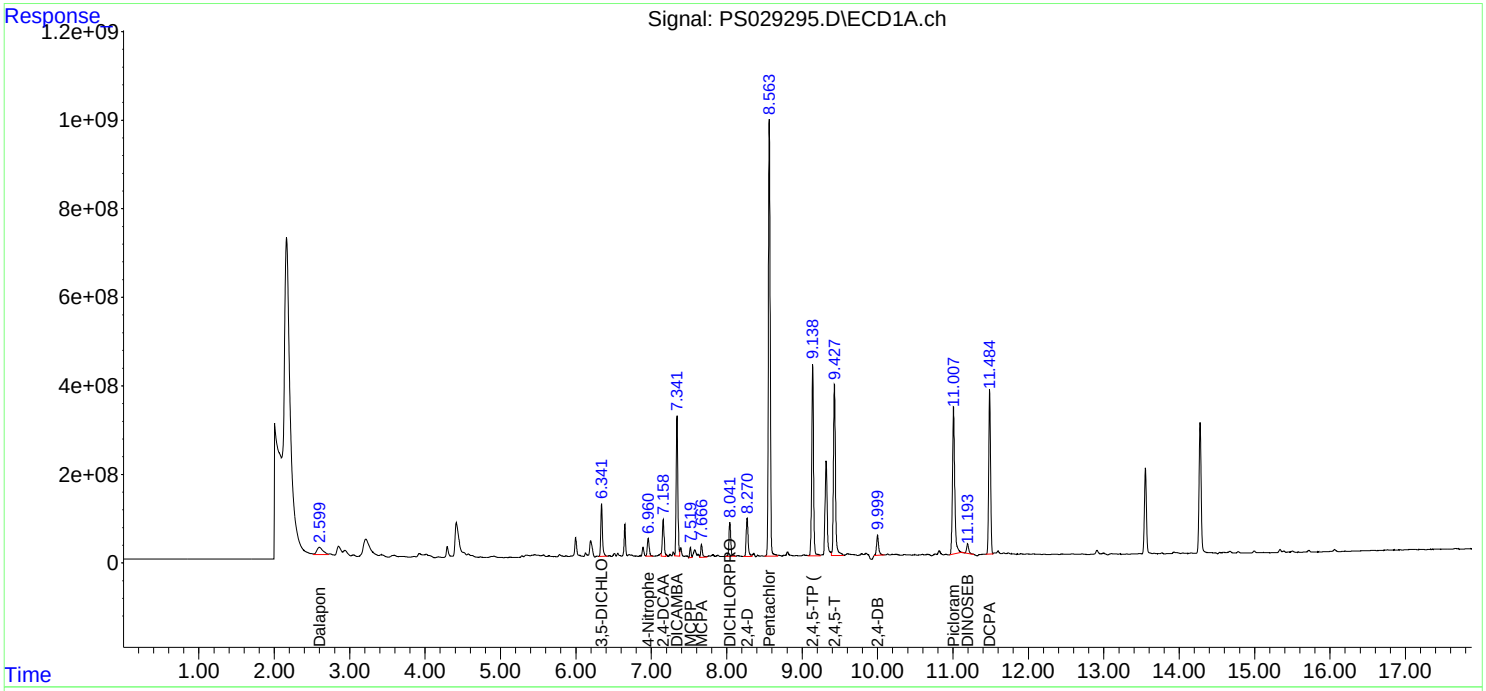
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 16:10
Operator : AR\AJ
Sample : Q1383-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

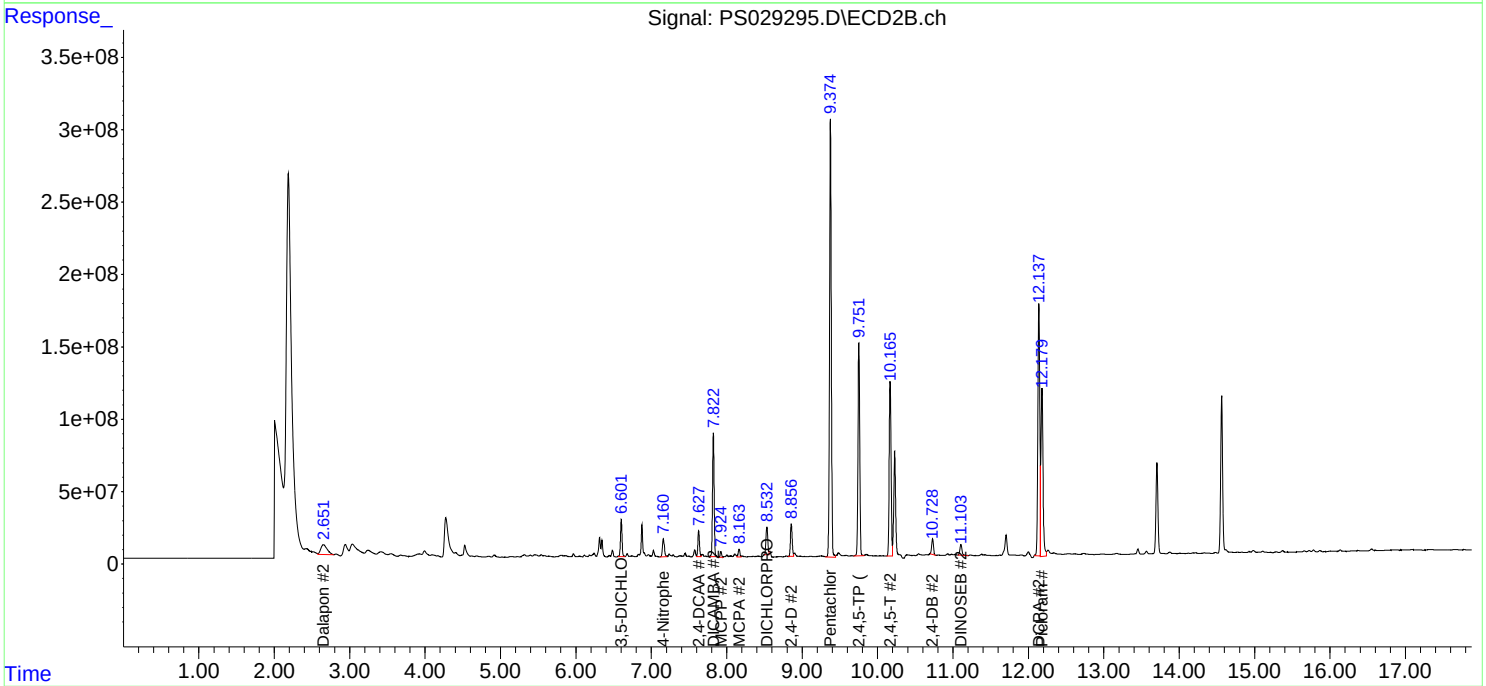
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

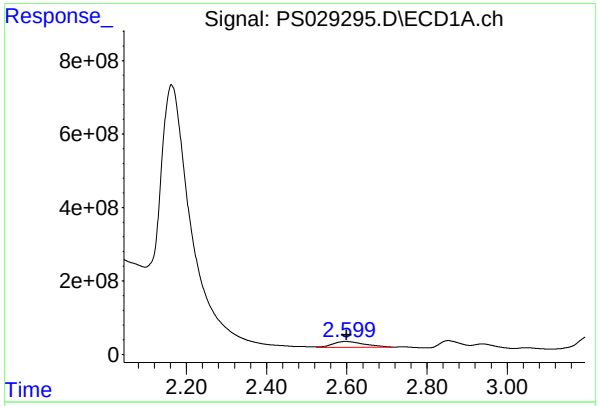
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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







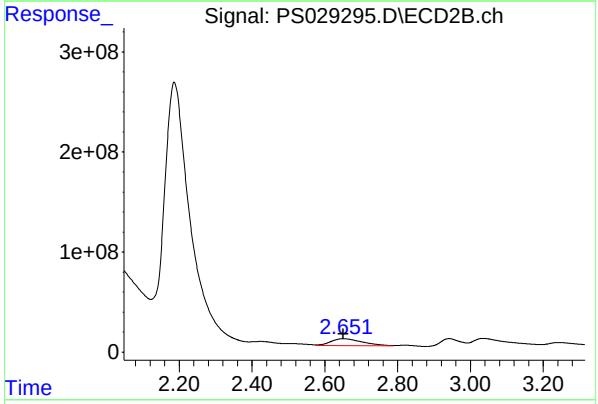
#1 Dalapon

R.T.: 2.599 min
Delta R.T.: 0.000 mi
Response: 886647787
Conc: 160.62 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

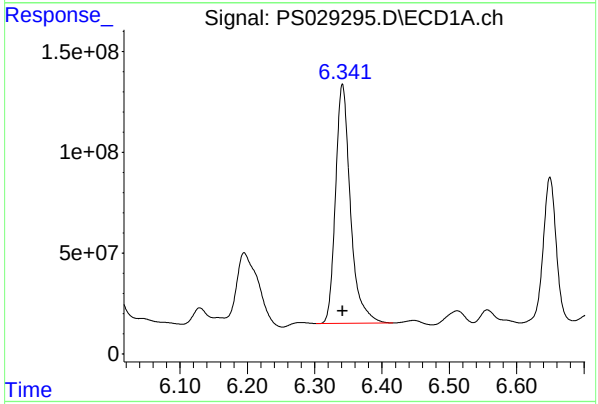
Manual Integrations APPROVED

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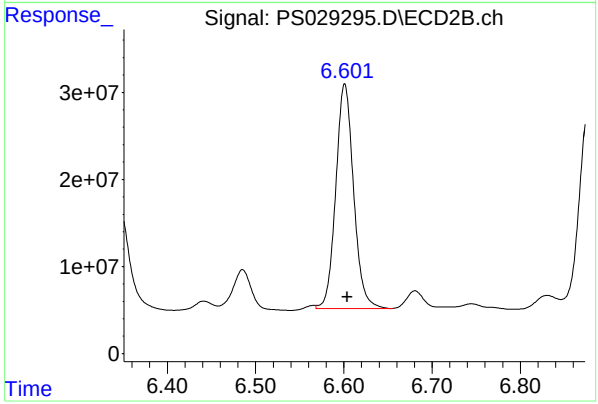
#1 Dalapon

R.T.: 2.651 min
Delta R.T.: 0.000 min
Response: 403929584
Conc: 190.79 ng/ml m



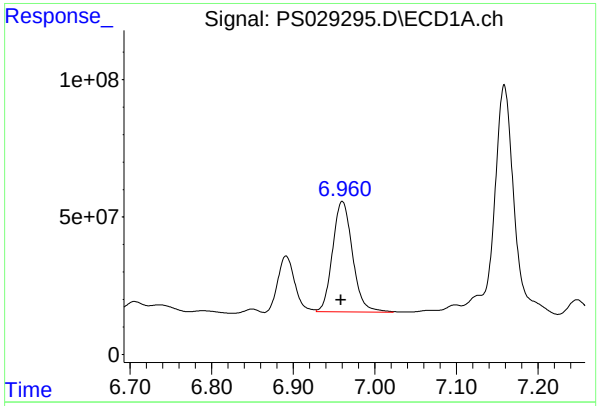
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 1825202217
Conc: 311.94 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.601 min
Delta R.T.: -0.004 min
Response: 363071023
Conc: 256.39 ng/ml m



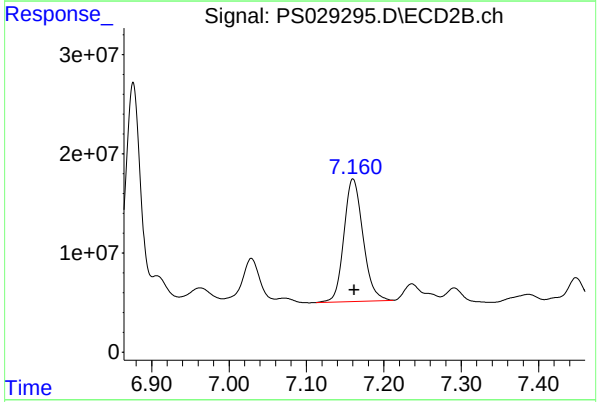
#3 4-Nitrophenol

R.T.: 6.960 min
Delta R.T.: 0.001 mi
Response: 680118722
Conc: 290.63 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

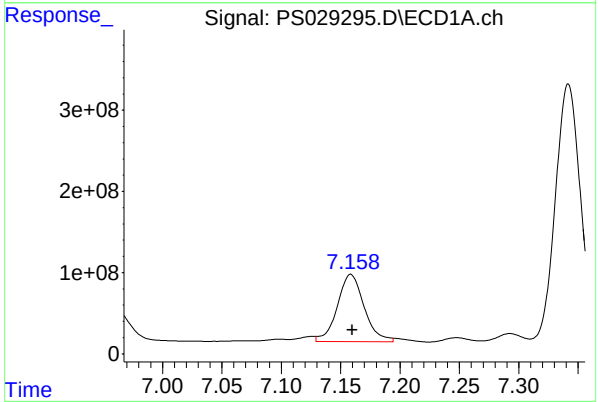
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



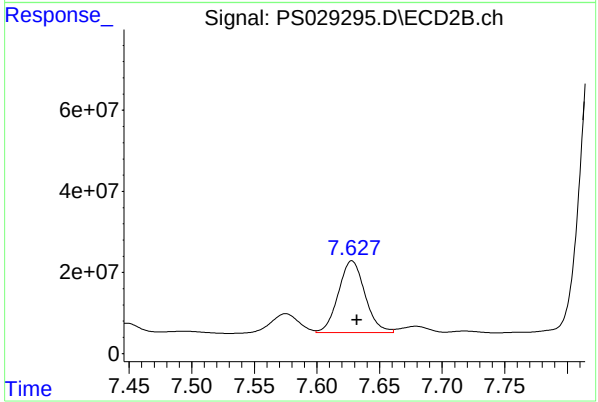
#3 4-Nitrophenol

R.T.: 7.160 min
Delta R.T.: -0.002 min
Response: 209911380
Conc: 263.20 ng/ml



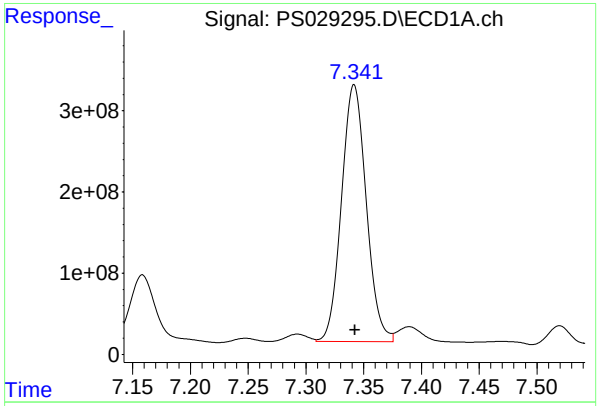
#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 1300359717
Conc: 315.58 ng/ml m



#4 2,4-DCAA

R.T.: 7.627 min
Delta R.T.: -0.004 min
Response: 261313798
Conc: 277.90 ng/ml m



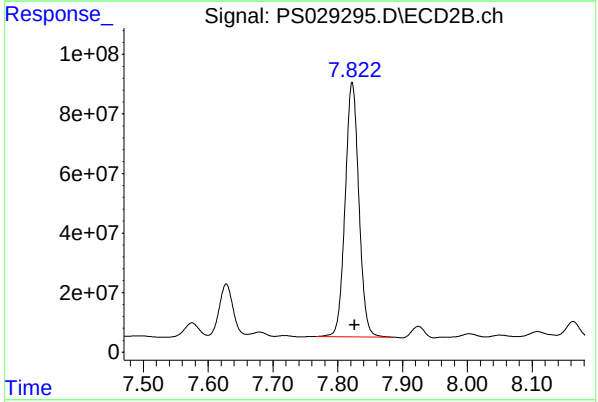
#5 DICAMBA

R.T.: 7.342 min
Delta R.T.: 0.000 mi
Response: 4733418726
Conc: 272.57 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

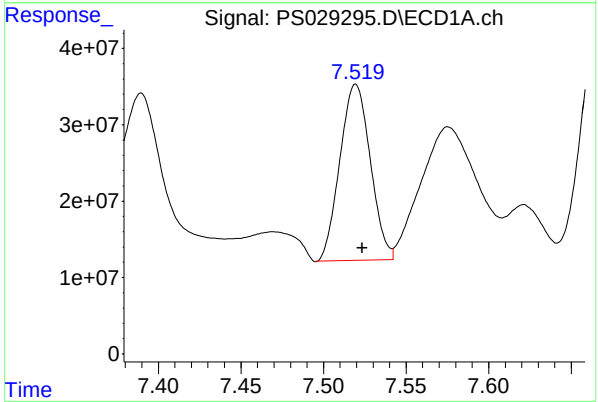
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/27/2025
Supervised By :Ankita Jodhani 02/28/2025



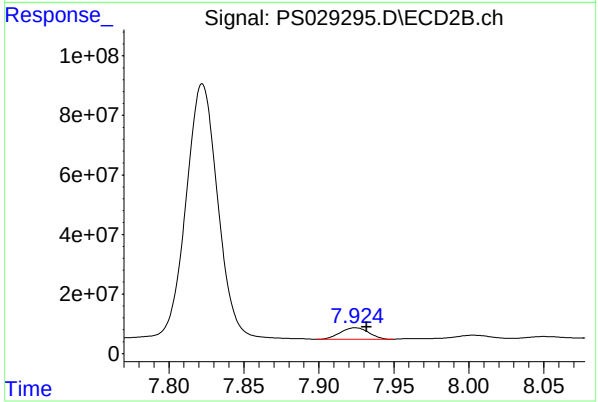
#5 DICAMBA

R.T.: 7.822 min
Delta R.T.: -0.005 min
Response: 1257287135
Conc: 243.99 ng/ml m



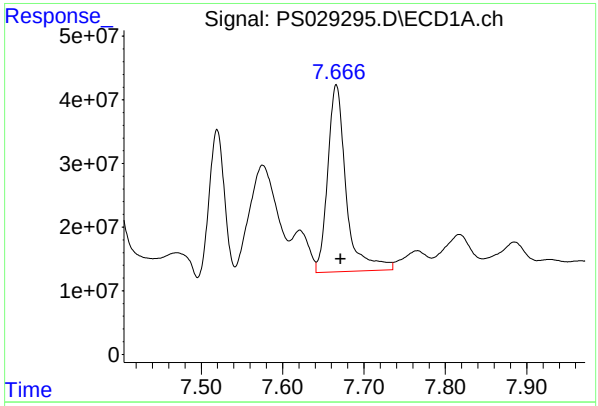
#6 MCPP

R.T.: 7.519 min
Delta R.T.: -0.004 min
Response: 295985965
Conc: 24.01 ug/ml



#6 MCPP

R.T.: 7.924 min
Delta R.T.: -0.008 min
Response: 51347929
Conc: 21.95 ug/ml



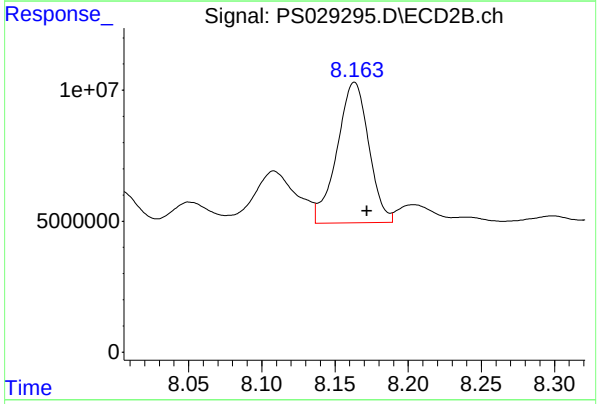
#7 MCPA

R.T.: 7.666 min
Delta R.T.: -0.005 mi
Response: 463753271
Conc: 27.37 ug/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

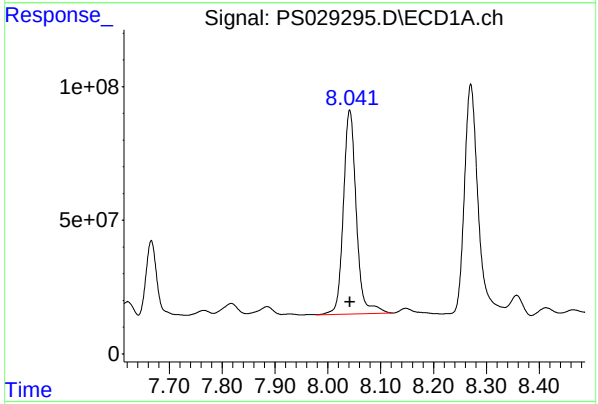
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 02/28/2025



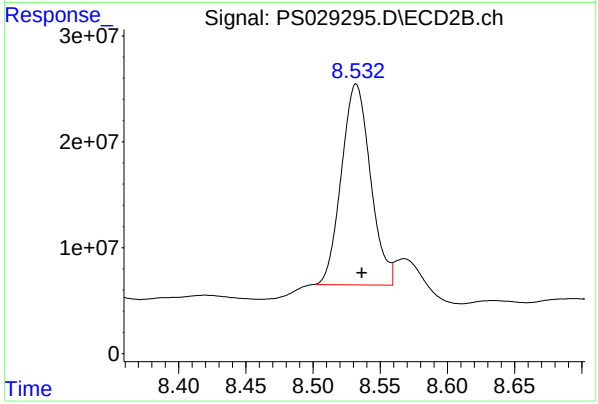
#7 MCPA

R.T.: 8.163 min
Delta R.T.: -0.009 min
Response: 80816251
Conc: 25.34 ug/ml



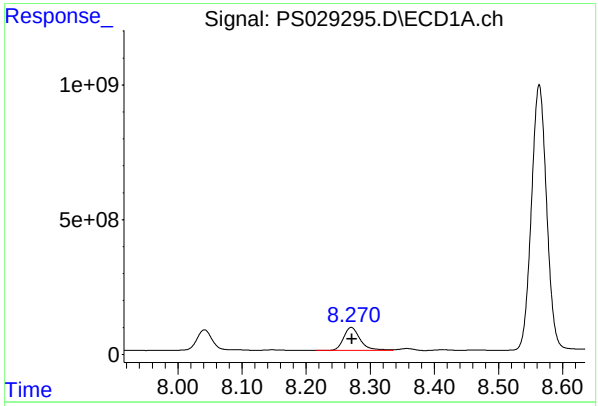
#8 DICHLORPROP

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 1307027302
Conc: 284.36 ng/ml



#8 DICHLORPROP

R.T.: 8.532 min
Delta R.T.: -0.005 min
Response: 287146893
Conc: 224.55 ng/ml m



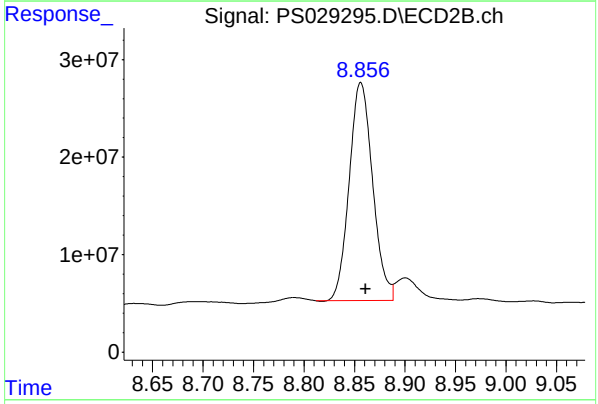
#9 2,4-D

R.T.: 8.270 min
Delta R.T.: -0.001 min
Response: 1542740316
Conc: 324.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

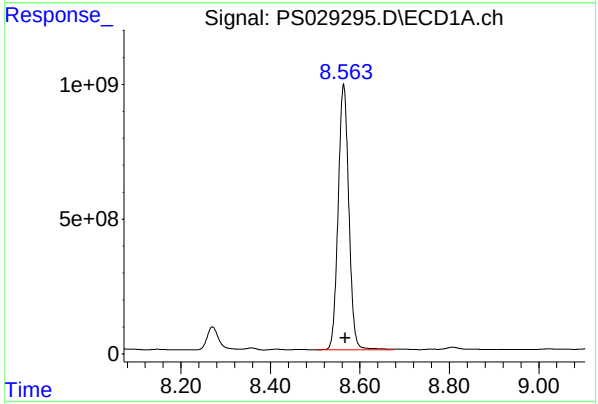
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 02/28/2025



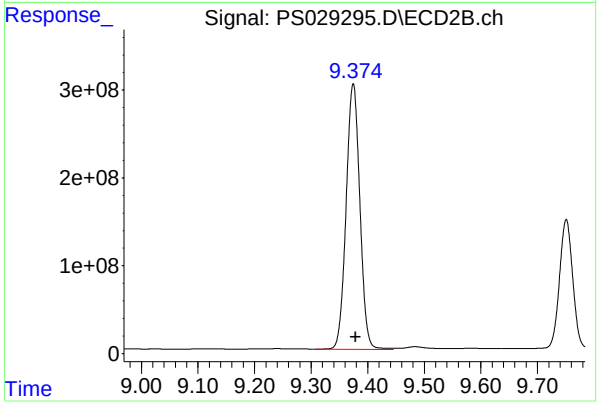
#9 2,4-D

R.T.: 8.856 min
Delta R.T.: -0.005 min
Response: 360785180
Conc: 284.11 ng/ml



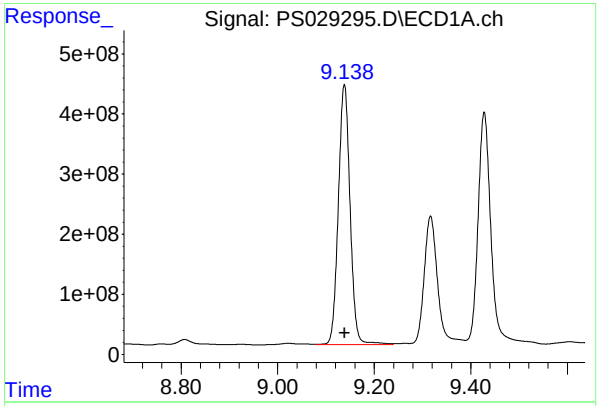
#10 Pentachlorophenol

R.T.: 8.564 min
Delta R.T.: -0.004 min
Response: 16368941085
Conc: 280.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.374 min
Delta R.T.: -0.004 min
Response: 5100980216
Conc: 221.66 ng/ml



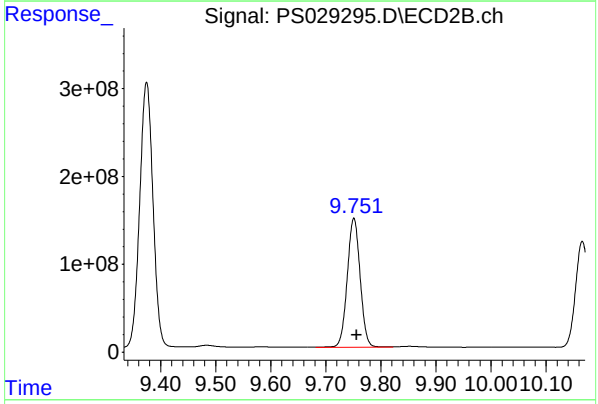
#11 2,4,5-TP (SILVEX)

R.T.: 9.138 min
Delta R.T.: 0.000 mi
Response: 7300561870
Conc: 296.93 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

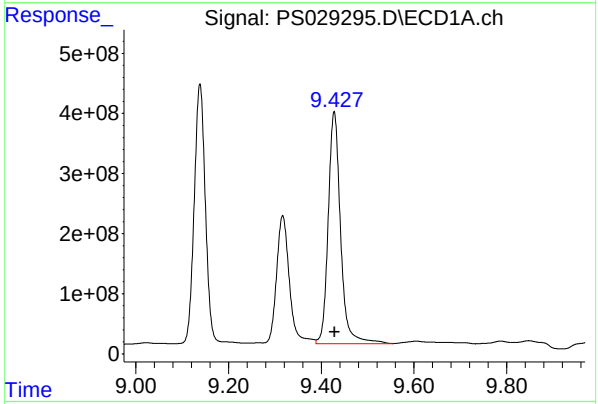
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 02/28/2025



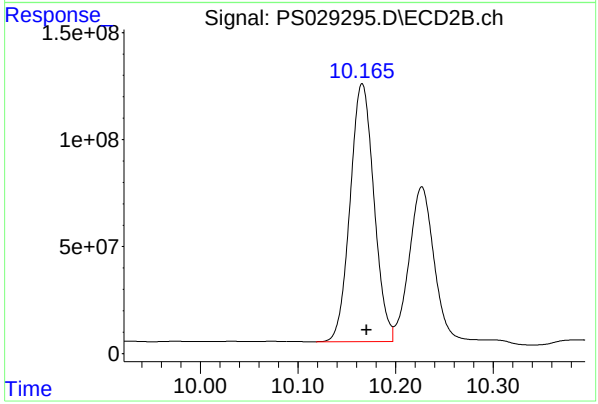
#11 2,4,5-TP (SILVEX)

R.T.: 9.751 min
Delta R.T.: -0.005 min
Response: 2378925186
Conc: 263.25 ng/ml m



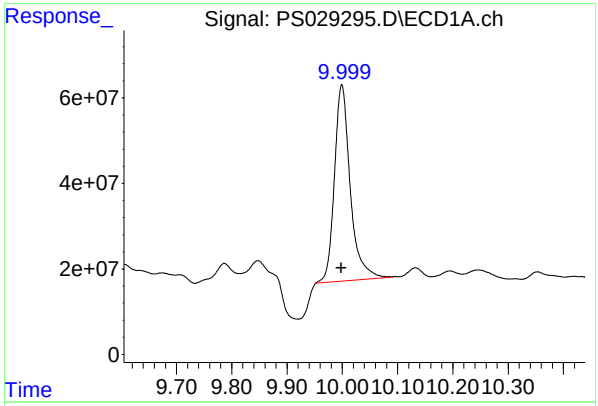
#12 2,4,5-T

R.T.: 9.428 min
Delta R.T.: -0.001 min
Response: 7156900366
Conc: 280.79 ng/ml



#12 2,4,5-T

R.T.: 10.165 min
Delta R.T.: -0.005 min
Response: 2045983007
Conc: 249.20 ng/ml m



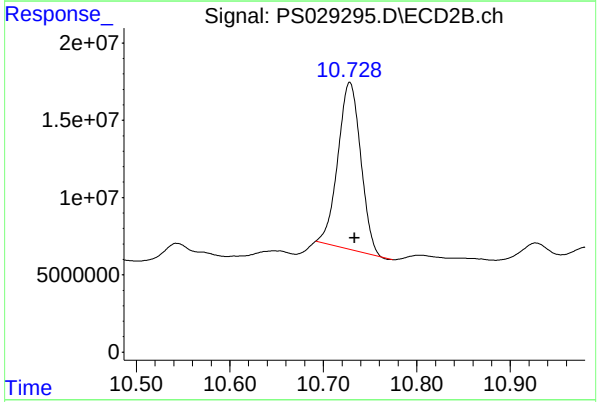
#13 2,4-DB

R.T.: 9.999 min
Delta R.T.: 0.000 min
Response: 912269846
Conc: 218.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

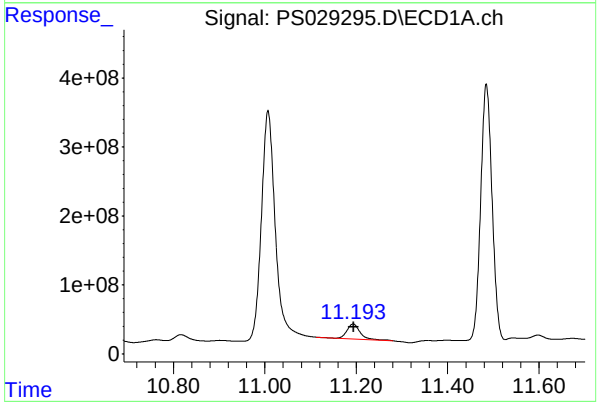
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 02/28/2025



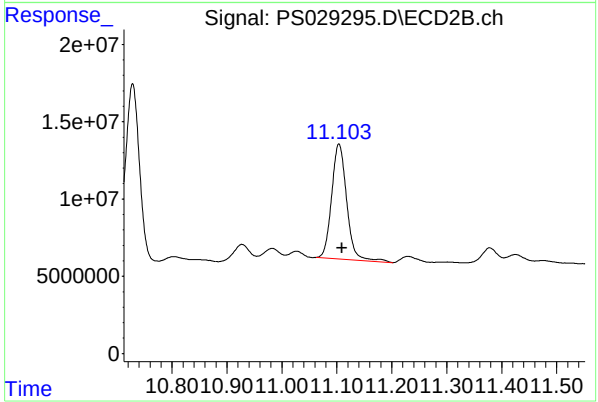
#13 2,4-DB

R.T.: 10.728 min
Delta R.T.: -0.005 min
Response: 182715960
Conc: 238.66 ng/ml



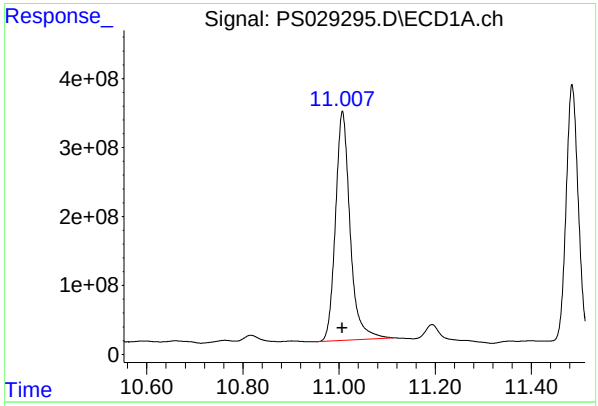
#14 DINOSEB

R.T.: 11.193 min
Delta R.T.: -0.001 min
Response: 443565942
Conc: 26.67 ng/ml



#14 DINOSEB

R.T.: 11.104 min
Delta R.T.: -0.005 min
Response: 141773205
Conc: 23.39 ng/ml



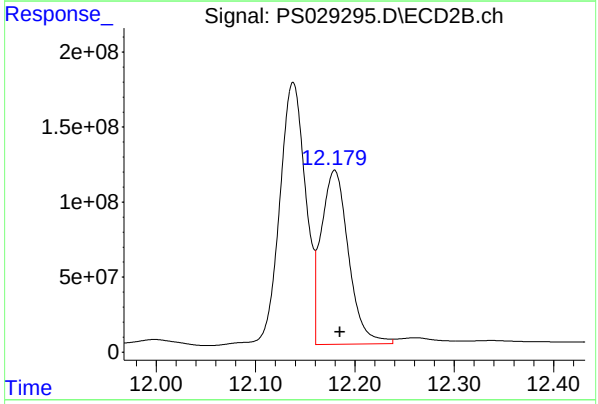
#15 Picloram

R.T.: 11.007 min
Delta R.T.: 0.000 min
Response: 7006195822
Conc: 229.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

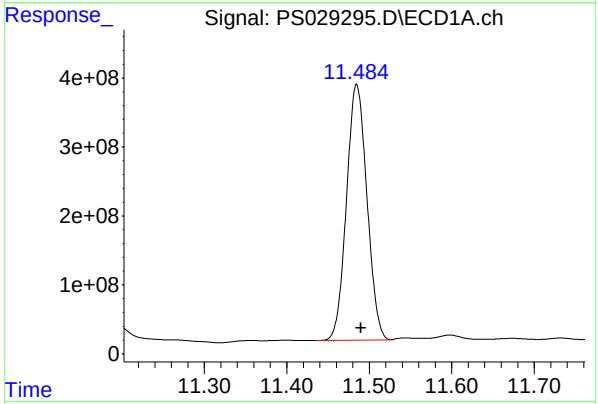
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Supervised By :Ankita Jodhani 02/28/2025



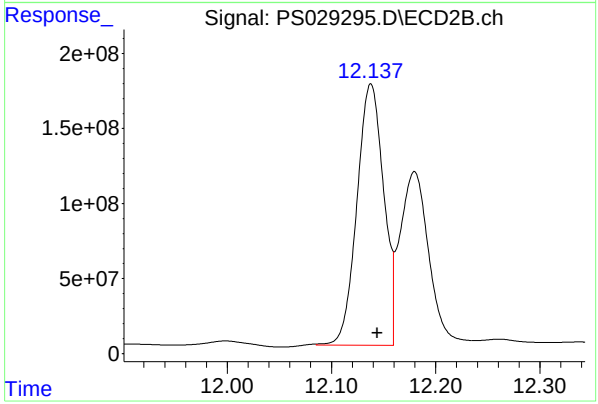
#15 Picloram

R.T.: 12.180 min
Delta R.T.: -0.006 min
Response: 2213869912
Conc: 191.47 ng/ml



#16 DCPA

R.T.: 11.485 min
Delta R.T.: -0.005 min
Response: 6396808742
Conc: 213.20 ng/ml



#16 DCPA

R.T.: 12.137 min
Delta R.T.: -0.007 min
Response: 3127850036
Conc: 264.25 ng/ml m

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

Manual Integration Report

Sequence:	ps022125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1383-03	PS029242.D	2,4-DCAA	Abdul	2/22/2025 8:31:16 PM	Ankita	2/24/2025 9:36:06	Peak Integrated by Software
Q1383-03	PS029242.D	2,4-DCAA #2	Abdul	2/22/2025 8:31:16 PM	Ankita	2/24/2025 9:36:06	Peak Integrated by Software
Q1383-05	PS029243.D	2,4-DCAA	Abdul	2/22/2025 8:31:50 PM	Ankita	2/24/2025 9:36:07	Peak Integrated by Software
Q1383-07	PS029244.D	2,4-DCAA	Abdul	2/22/2025 8:31:20 PM	Ankita	2/24/2025 9:36:11	Peak Integrated by Software
Q1383-09	PS029245.D	2,4-DCAA	Abdul	2/22/2025 8:31:24 PM	Ankita	2/24/2025 9:36:15	Peak Integrated by Software
Q1383-11	PS029246.D	2,4-DCAA	Abdul	2/22/2025 8:31:29 PM	Ankita	2/24/2025 9:36:19	Peak Integrated by Software
Q1383-11	PS029246.D	2,4-DCAA #2	Abdul	2/22/2025 8:31:29 PM	Ankita	2/24/2025 9:36:19	Peak Integrated by Software
Q1383-13	PS029247.D	2,4-DCAA	Abdul	2/22/2025 8:31:35 PM	Ankita	2/24/2025 9:36:21	Peak Integrated by Software
Q1383-13	PS029247.D	2,4-DCAA #2	Abdul	2/22/2025 8:31:35 PM	Ankita	2/24/2025 9:36:21	Peak Integrated by Software
Q1383-15	PS029248.D	2,4-DCAA	Abdul	2/22/2025 8:31:38 PM	Ankita	2/24/2025 9:36:24	Peak Integrated by Software
Q1383-15	PS029248.D	2,4-DCAA #2	Abdul	2/22/2025 8:31:38 PM	Ankita	2/24/2025 9:36:24	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS022425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1383-13RE	PS029260.D	2,4-DCAA	Abdul	2/25/2025 8:14:48 AM	Ankita	2/25/2025 9:49:34	Peak Integrated by Software
Q1383-13RE	PS029260.D	2,4-DCAA #2	Abdul	2/25/2025 8:14:48 AM	Ankita	2/25/2025 9:49:34	Peak Integrated by Software
HSTDCCC750	PS029267.D	DINOSEB	Abdul	2/25/2025 8:14:52 AM	Ankita	2/25/2025 9:49:36	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps022625	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS029291.D	2,4-DB #2	Abdul	2/27/2025 5:20:56 PM	Ankita	2/28/2025 10:01:14	Peak Integrated by Software
HSTDCCC750	PS029291.D	DINOSEB #2	Abdul	2/27/2025 5:20:56 PM	Ankita	2/28/2025 10:01:14	Peak Integrated by Software
Q1383-21	PS029292.D	2,4-DCAA #2	Abdul	2/27/2025 5:21:00 PM	Ankita	2/28/2025 10:01:16	Peak Integrated by Software
Q1383-01	PS029293.D	2,4-DCAA	Abdul	2/27/2025 5:21:07 PM	Ankita	2/28/2025 10:01:17	Peak Integrated by Software
Q1383-01	PS029293.D	2,4-DCAA #2	Abdul	2/27/2025 5:21:07 PM	Ankita	2/28/2025 10:01:17	Peak Integrated by Software
Q1383-01MS	PS029294.D	2,4,5-T #2	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MS	PS029294.D	2,4,5-TP (SILVEX) #2	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MS	PS029294.D	2,4-DB	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MS	PS029294.D	2,4-DCAA #2	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MS	PS029294.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MS	PS029294.D	4-Nitrophenol	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MS	PS029294.D	Dalapon	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MS	PS029294.D	Dalapon #2	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps022625	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1383-01MS	PS029294.D	DCPA #2	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MS	PS029294.D	DICAMBA #2	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MS	PS029294.D	DICHLORPROP #2	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MS	PS029294.D	DINOSEB	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MS	PS029294.D	Pentachlorophenol #2	Abdul	2/27/2025 5:21:47 PM	Ankita	2/28/2025 10:01:19	Peak Integrated by Software
Q1383-01MSD	PS029295.D	2,4,5-T #2	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software
Q1383-01MSD	PS029295.D	2,4,5-TP (SILVEX) #2	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software
Q1383-01MSD	PS029295.D	2,4-DB	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software
Q1383-01MSD	PS029295.D	2,4-DCAA	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software
Q1383-01MSD	PS029295.D	2,4-DCAA #2	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software
Q1383-01MSD	PS029295.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software
Q1383-01MSD	PS029295.D	4-Nitrophenol	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software
Q1383-01MSD	PS029295.D	Dalapon	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps022625	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1383-01MSD	PS029295.D	Dalapon #2	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software
Q1383-01MSD	PS029295.D	DCPA #2	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software
Q1383-01MSD	PS029295.D	DICAMBA #2	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software
Q1383-01MSD	PS029295.D	DICHLORPROP #2	Abdul	2/27/2025 5:22:22 PM	Ankita	2/28/2025 10:01:21	Peak Integrated by Software
PB166764BL	PS029301.D	2,4-DCAA	Abdul	2/27/2025 5:22:02 PM	Ankita	2/28/2025 10:01:30	Peak Integrated by Software
PB166764BL	PS029301.D	2,4-DCAA #2	Abdul	2/27/2025 5:22:02 PM	Ankita	2/28/2025 10:01:30	Peak Integrated by Software
HSTDCCC750	PS029303.D	DINOSEB #2	Abdul	2/27/2025 5:21:20 PM	Ankita	2/28/2025 10:01:31	Peak Integrated by Software
HSTDCCC750	PS029306.D	DINOSEB	Abdul	2/27/2025 5:21:27 PM	Ankita	2/28/2025 10:01:33	Peak Integrated by Software
HSTDCCC750	PS029306.D	DINOSEB #2	Abdul	2/27/2025 5:21:27 PM	Ankita	2/28/2025 10:01:33	Peak Integrated by Software

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022125

Review By	Abdul	Review On	2/22/2025 8:32:12 PM		
Supervise By	Ankita	Supervise On	2/24/2025 3:48:02 PM		
SubDirectory	PS022125	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029232.D	21 Feb 2025 19:08	AR\AJ	Ok
2	I.BLK	PS029233.D	21 Feb 2025 19:32	AR\AJ	Ok
3	HSTDICC200	PS029234.D	21 Feb 2025 19:56	AR\AJ	Ok
4	HSTDICC500	PS029235.D	21 Feb 2025 20:20	AR\AJ	Ok
5	HSTDICC750	PS029236.D	21 Feb 2025 20:44	AR\AJ	Ok
6	HSTDICC1000	PS029237.D	21 Feb 2025 21:08	AR\AJ	Ok
7	HSTDICC1500	PS029238.D	21 Feb 2025 21:32	AR\AJ	Ok
8	HSTDICV750	PS029239.D	21 Feb 2025 21:56	AR\AJ	Ok
9	I.BLK	PS029240.D	21 Feb 2025 22:20	AR\AJ	Ok
10	HSTDCCC750	PS029241.D	21 Feb 2025 22:44	AR\AJ	Ok
11	Q1383-03	PS029242.D	21 Feb 2025 23:08	AR\AJ	Ok,M
12	Q1383-05	PS029243.D	21 Feb 2025 23:32	AR\AJ	Ok,M
13	Q1383-07	PS029244.D	21 Feb 2025 23:56	AR\AJ	Ok,M
14	Q1383-09	PS029245.D	22 Feb 2025 00:20	AR\AJ	Ok,M
15	Q1383-11	PS029246.D	22 Feb 2025 00:44	AR\AJ	Ok,M
16	Q1383-13	PS029247.D	22 Feb 2025 01:08	AR\AJ	ReRun
17	Q1383-15	PS029248.D	22 Feb 2025 01:32	AR\AJ	Ok,M
18	Q1383-17	PS029249.D	22 Feb 2025 01:56	AR\AJ	Ok
19	Q1383-19	PS029250.D	22 Feb 2025 02:20	AR\AJ	Ok
20	I.BLK	PS029251.D	22 Feb 2025 02:44	AR\AJ	Ok
21	HSTDCCC750	PS029252.D	22 Feb 2025 03:08	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022425

Review By	Abdul	Review On	2/24/2025 5:06:33 PM		
Supervise By	Ankita	Supervise On	2/25/2025 9:50:08 AM		
SubDirectory	PS022425	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029253.D	24 Feb 2025 09:02	AR\AJ	Ok
2	I.BLK	PS029254.D	24 Feb 2025 09:26	AR\AJ	Ok
3	HSTDCCC750	PS029255.D	24 Feb 2025 09:50	AR\AJ	Ok
4	Q1393-05	PS029256.D	24 Feb 2025 11:35	AR\AJ	Ok
5	Q1393-01	PS029257.D	24 Feb 2025 11:59	AR\AJ	Ok
6	Q1393-01MS	PS029258.D	24 Feb 2025 12:23	AR\AJ	Ok,M
7	Q1393-01MSD	PS029259.D	24 Feb 2025 12:47	AR\AJ	Ok,M
8	Q1383-13RE	PS029260.D	24 Feb 2025 13:11	AR\AJ	Confirms
9	PB166802BL	PS029261.D	24 Feb 2025 13:35	AR\AJ	Ok
10	PB166802BS	PS029262.D	24 Feb 2025 13:59	AR\AJ	Ok
11	PB166802BSD	PS029263.D	24 Feb 2025 14:23	AR\AJ	Ok
12	PB166810BL	PS029264.D	24 Feb 2025 14:47	AR\AJ	Ok
13	PB166810BS	PS029265.D	24 Feb 2025 15:11	AR\AJ	Ok
14	I.BLK	PS029266.D	24 Feb 2025 15:35	AR\AJ	Ok
15	HSTDCCC750	PS029267.D	24 Feb 2025 15:59	AR\AJ	Ok,M
16	PB166836BL	PS029268.D	24 Feb 2025 16:35	AR\AJ	Ok
17	PB166836BS	PS029269.D	24 Feb 2025 16:59	AR\AJ	Ok,M
18	Q1395-01	PS029270.D	24 Feb 2025 17:23	AR\AJ	Ok,M
19	Q1397-01	PS029271.D	24 Feb 2025 17:47	AR\AJ	Not Ok
20	Q1397-01MS	PS029272.D	24 Feb 2025 18:11	AR\AJ	Not Ok
21	Q1397-01MSD	PS029273.D	24 Feb 2025 18:35	AR\AJ	Not Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022425

Review By	Abdul	Review On	2/24/2025 5:06:33 PM		
Supervise By	Ankita	Supervise On	2/25/2025 9:50:08 AM		
SubDirectory	PS022425	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1397-03	PS029274.D	24 Feb 2025 18:59	AR\AJ	ReRun
23	Q1397-05	PS029275.D	24 Feb 2025 19:23	AR\AJ	ReRun
24	Q1413-01	PS029276.D	24 Feb 2025 19:47	AR\AJ	Ok,M
25	I.BLK	PS029277.D	24 Feb 2025 20:11	AR\AJ	Ok
26	HSTDCCC750	PS029278.D	24 Feb 2025 20:35	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022625

Review By	Abdul	Review On	2/27/2025 5:22:52 PM		
Supervise By	Ankita	Supervise On	2/28/2025 10:01:46 AM		
SubDirectory	PS022625	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029289.D	26 Feb 2025 09:29	AR\AJ	Ok
2	I.BLK	PS029290.D	26 Feb 2025 09:53	AR\AJ	Ok
3	HSTDCCC750	PS029291.D	26 Feb 2025 12:55	AR\AJ	Ok,M
4	Q1383-21	PS029292.D	26 Feb 2025 14:58	AR\AJ	Ok,M
5	Q1383-01	PS029293.D	26 Feb 2025 15:22	AR\AJ	Ok,M
6	Q1383-01MS	PS029294.D	26 Feb 2025 15:46	AR\AJ	Ok,M
7	Q1383-01MSD	PS029295.D	26 Feb 2025 16:10	AR\AJ	Ok,M
8	Q1382-11	PS029296.D	26 Feb 2025 16:34	AR\AJ	Ok,M
9	Q1382-13	PS029297.D	26 Feb 2025 16:58	AR\AJ	Ok,M
10	Q1382-15	PS029298.D	26 Feb 2025 17:22	AR\AJ	Ok,M
11	Q1382-17	PS029299.D	26 Feb 2025 17:46	AR\AJ	Ok,M
12	Q1382-19	PS029300.D	26 Feb 2025 18:10	AR\AJ	Ok,M
13	PB166764BL	PS029301.D	26 Feb 2025 18:34	AR\AJ	Ok,M
14	I.BLK	PS029302.D	26 Feb 2025 18:59	AR\AJ	Ok
15	HSTDCCC750	PS029303.D	26 Feb 2025 19:23	AR\AJ	Ok,M
16	PB166764BS	PS029304.D	26 Feb 2025 20:35	AR\AJ	Ok
17	I.BLK	PS029305.D	26 Feb 2025 20:59	AR\AJ	Ok
18	HSTDCCC750	PS029306.D	26 Feb 2025 21:23	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022125

Review By	Abdul	Review On	2/22/2025 8:32:12 PM		
Supervise By	Ankita	Supervise On	2/24/2025 3:48:02 PM		
SubDirectory	PS022125	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029232.D	21 Feb 2025 19:08		AR\AJ	Ok
2	I.BLK	I.BLK	PS029233.D	21 Feb 2025 19:32		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS029234.D	21 Feb 2025 19:56		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS029235.D	21 Feb 2025 20:20		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS029236.D	21 Feb 2025 20:44	Method fail for comp 10	AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS029237.D	21 Feb 2025 21:08		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS029238.D	21 Feb 2025 21:32		AR\AJ	Ok
8	HSTDICV750	ICVPS022125	PS029239.D	21 Feb 2025 21:56		AR\AJ	Ok
9	I.BLK	I.BLK	PS029240.D	21 Feb 2025 22:20		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS029241.D	21 Feb 2025 22:44		AR\AJ	Ok
11	Q1383-03	OU4-PCS-TC-12-02172	PS029242.D	21 Feb 2025 23:08		AR\AJ	Ok,M
12	Q1383-05	OU4-PCS-TC-13-02172	PS029243.D	21 Feb 2025 23:32		AR\AJ	Ok,M
13	Q1383-07	OU4-PCS-TC-14-02172	PS029244.D	21 Feb 2025 23:56		AR\AJ	Ok,M
14	Q1383-09	OU4-PCS-TC-15-02172	PS029245.D	22 Feb 2025 00:20		AR\AJ	Ok,M
15	Q1383-11	OU4-PCS-TC-16-02172	PS029246.D	22 Feb 2025 00:44		AR\AJ	Ok,M
16	Q1383-13	OU4-PCS-TC-17-02172	PS029247.D	22 Feb 2025 01:08	2,4-DCAA high in 1st column	AR\AJ	ReRun
17	Q1383-15	OU4-PCS-TC-18-02172	PS029248.D	22 Feb 2025 01:32		AR\AJ	Ok,M
18	Q1383-17	OU4-PCS-TC-19-02172	PS029249.D	22 Feb 2025 01:56		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022125

Review By	Abdul	Review On	2/22/2025 8:32:12 PM		
Supervise By	Ankita	Supervise On	2/24/2025 3:48:02 PM		
SubDirectory	PS022125	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1383-19	OU4-PCS-TC-20-02172	PS029250.D	22 Feb 2025 02:20		AR\AJ	Ok
20	I.BLK	I.BLK	PS029251.D	22 Feb 2025 02:44		AR\AJ	Ok
21	HSTDCCC750	HSTDCCC750	PS029252.D	22 Feb 2025 03:08		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022425

Review By	Abdul	Review On	2/24/2025 5:06:33 PM		
Supervise By	Ankita	Supervise On	2/25/2025 9:50:08 AM		
SubDirectory	PS022425	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029253.D	24 Feb 2025 09:02		AR\AJ	Ok
2	I.BLK	I.BLK	PS029254.D	24 Feb 2025 09:26		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS029255.D	24 Feb 2025 09:50		AR\AJ	Ok
4	Q1393-05	PURGE-WATER-COMP	PS029256.D	24 Feb 2025 11:35		AR\AJ	Ok
5	Q1393-01	SOIL-COMP	PS029257.D	24 Feb 2025 11:59		AR\AJ	Ok
6	Q1393-01MS	SOIL-COMPMS	PS029258.D	24 Feb 2025 12:23	some compound recovery fail	AR\AJ	Ok,M
7	Q1393-01MSD	SOIL-COMPMSD	PS029259.D	24 Feb 2025 12:47	some compound recovery fail	AR\AJ	Ok,M
8	Q1383-13RE	OU4-PCS-TC-17-02172	PS029260.D	24 Feb 2025 13:11	2,4-DCAA high in 1st column	AR\AJ	Confirms
9	PB166802BL	PB166802BL	PS029261.D	24 Feb 2025 13:35		AR\AJ	Ok
10	PB166802BS	PB166802BS	PS029262.D	24 Feb 2025 13:59		AR\AJ	Ok
11	PB166802BSD	PB166802BSD	PS029263.D	24 Feb 2025 14:23		AR\AJ	Ok
12	PB166810BL	PB166810BL	PS029264.D	24 Feb 2025 14:47		AR\AJ	Ok
13	PB166810BS	PB166810BS	PS029265.D	24 Feb 2025 15:11		AR\AJ	Ok
14	I.BLK	I.BLK	PS029266.D	24 Feb 2025 15:35		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS029267.D	24 Feb 2025 15:59		AR\AJ	Ok,M
16	PB166836BL	PB166836BL	PS029268.D	24 Feb 2025 16:35		AR\AJ	Ok
17	PB166836BS	PB166836BS	PS029269.D	24 Feb 2025 16:59		AR\AJ	Ok,M
18	Q1395-01	BEL-25-0005	PS029270.D	24 Feb 2025 17:23		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022425

Review By	Abdul	Review On	2/24/2025 5:06:33 PM		
Supervise By	Ankita	Supervise On	2/25/2025 9:50:08 AM		
SubDirectory	PS022425	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1397-01	STOCK-PILE	PS029271.D	24 Feb 2025 17:47		AR\AJ	Not Ok
20	Q1397-01MS	STOCK-PILEMS	PS029272.D	24 Feb 2025 18:11	2,4-DCAA high in 1st column , some compound recovery fail	AR\AJ	Not Ok
21	Q1397-01MSD	STOCK-PILEMSD	PS029273.D	24 Feb 2025 18:35	2,4-DCAA high in 1st column , some compound recovery fail	AR\AJ	Not Ok
22	Q1397-03	TP7	PS029274.D	24 Feb 2025 18:59	2,4-DCAA high in 1st column	AR\AJ	ReRun
23	Q1397-05	TP8	PS029275.D	24 Feb 2025 19:23	2,4-DCAA high in 1st column	AR\AJ	ReRun
24	Q1413-01	BU-2-022125	PS029276.D	24 Feb 2025 19:47		AR\AJ	Ok,M
25	I.BLK	I.BLK	PS029277.D	24 Feb 2025 20:11		AR\AJ	Ok
26	HSTDCCC750	HSTDCCC750	PS029278.D	24 Feb 2025 20:35		AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022625

Review By	Abdul	Review On	2/27/2025 5:22:52 PM		
Supervise By	Ankita	Supervise On	2/28/2025 10:01:46 AM		
SubDirectory	PS022625	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029289.D	26 Feb 2025 09:29		AR\AJ	Ok
2	I.BLK	I.BLK	PS029290.D	26 Feb 2025 09:53		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS029291.D	26 Feb 2025 12:55		AR\AJ	Ok,M
4	Q1383-21	OU4-CF-15-021725	PS029292.D	26 Feb 2025 14:58		AR\AJ	Ok,M
5	Q1383-01	OU4-PCS-TC-11-02172	PS029293.D	26 Feb 2025 15:22		AR\AJ	Ok,M
6	Q1383-01MS	OU4-PCS-TC-11-02172	PS029294.D	26 Feb 2025 15:46	some compound recovery fail	AR\AJ	Ok,M
7	Q1383-01MSD	OU4-PCS-TC-11-02172	PS029295.D	26 Feb 2025 16:10	some compound recovery fail	AR\AJ	Ok,M
8	Q1382-11	OU4-PCS-TC-06-02172	PS029296.D	26 Feb 2025 16:34		AR\AJ	Ok,M
9	Q1382-13	OU4-PCS-TC-07-02172	PS029297.D	26 Feb 2025 16:58		AR\AJ	Ok,M
10	Q1382-15	OU4-PCS-TC-08-02172	PS029298.D	26 Feb 2025 17:22		AR\AJ	Ok,M
11	Q1382-17	OU4-PCS-TC-09-02172	PS029299.D	26 Feb 2025 17:46		AR\AJ	Ok,M
12	Q1382-19	OU4-PCS-TC-10-02172	PS029300.D	26 Feb 2025 18:10		AR\AJ	Ok,M
13	PB166764BL	PB166764BL	PS029301.D	26 Feb 2025 18:34		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS029302.D	26 Feb 2025 18:59		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS029303.D	26 Feb 2025 19:23		AR\AJ	Ok,M
16	PB166764BS	PB166764BS	PS029304.D	26 Feb 2025 20:35		AR\AJ	Ok
17	I.BLK	I.BLK	PS029305.D	26 Feb 2025 20:59		AR\AJ	Ok
18	HSTDCCC750	HSTDCCC750	PS029306.D	26 Feb 2025 21:23		AR\AJ	Ok,M

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022625

Review By	Abdul	Review On	2/27/2025 5:22:52 PM		
Supervise By	Ankita	Supervise On	2/28/2025 10:01:46 AM		
SubDirectory	PS022625	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134739

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
Q1380-06	BP-VPB-192-GW-725-727	1	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-07	Q1380-06MS	2	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-08	Q1380-06MSD	3	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1382-01	OU4-PCS-TC-01-021725	4	1.15	8.56	9.71	9.02	91.9	
Q1382-03	OU4-PCS-TC-02-021725	5	1.15	8.59	9.74	9.03	91.7	
Q1382-05	OU4-PCS-TC-03-021725	6	1.15	8.56	9.71	9.06	92.4	
Q1382-07	OU4-PCS-TC-04-021725	7	1.16	8.80	9.96	9.3	92.5	
Q1382-09	OU4-PCS-TC-05-021725	8	1.16	8.65	9.81	9.12	92.0	
Q1382-11	OU4-PCS-TC-06-021725	9	1.12	8.76	9.88	9.2	92.2	
Q1382-13	OU4-PCS-TC-07-021725	10	1.11	8.67	9.78	9.1	92.2	
Q1382-15	OU4-PCS-TC-08-021725	11	1.19	8.61	9.8	9.16	92.6	
Q1382-17	OU4-PCS-TC-09-021725	12	1.14	8.66	9.8	9.16	92.6	
Q1382-19	OU4-PCS-TC-10-021725	13	1.14	8.84	9.98	9.4	93.4	
Q1383-01	OU4-PCS-TC-11-021725	14	1.17	8.74	9.91	9.26	92.6	
Q1383-03	OU4-PCS-TC-12-021725	15	1.15	8.73	9.88	9.2	92.2	
Q1383-05	OU4-PCS-TC-13-021725	16	1.12	8.76	9.88	9.22	92.5	
Q1383-07	OU4-PCS-TC-14-021725	17	1.18	8.58	9.76	9.08	92.1	
Q1383-09	OU4-PCS-TC-15-021725	18	1.13	8.77	9.9	9.24	92.5	
Q1383-11	OU4-PCS-TC-16-021725	19	1.16	8.61	9.77	9.09	92.1	
Q1383-13	OU4-PCS-TC-17-021725	20	1.19	8.58	9.77	9.03	91.4	
Q1383-15	OU4-PCS-TC-18-021725	21	1.15	8.60	9.75	9.05	91.9	
Q1383-17	OU4-PCS-TC-19-021725	22	1.15	8.84	9.99	9.29	92.1	
Q1383-19	OU4-PCS-TC-20-021725	23	1.13	8.67	9.8	9.12	92.2	
Q1383-21	OU4-CF-15-021725	24	1.16	8.50	9.66	9.02	92.5	
Q1384-01	OR-03-021823025	25	1.15	8.81	9.96	8.96	88.6	
Q1384-02	OR-03-021823025-E2	26	1.17	8.82	9.99	9.04	89.2	
Q1385-01	ST-1	27	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1385-02	ST-1-E2	28	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134739

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

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 134739

WorkList Name : %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1380-06	BP-VPB-192-GW-725-727	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-07	Q1380-06MS	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-08	Q1380-06MSD	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1382-01	OU4-PCS-TC-01-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-03	OU4-PCS-TC-02-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-05	OU4-PCS-TC-03-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-07	OU4-PCS-TC-04-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-09	OU4-PCS-TC-05-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-11	OU4-PCS-TC-06-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-13	OU4-PCS-TC-07-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-15	OU4-PCS-TC-08-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-17	OU4-PCS-TC-09-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-19	OU4-PCS-TC-10-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-01	OU4-PCS-TC-11-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-03	OU4-PCS-TC-12-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-05	OU4-PCS-TC-13-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-07	OU4-PCS-TC-14-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-09	OU4-PCS-TC-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-11	OU4-PCS-TC-16-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-13	OU4-PCS-TC-17-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-15	OU4-PCS-TC-18-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO

Date/Time 02/18/25 15:00

Raw Sample Received by: TB WC

Raw Sample Relinquished by: CP

Date/Time 02/18/25 17:00

Raw Sample Received by: CP

Raw Sample Relinquished by: TB WC

VB1347 39

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1383-17	OU4-PCS-TC-19-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-19	OU4-PCS-TC-20-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-21	OU4-CF-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1384-01	OR-03-021823025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1384-02	OR-03-021823025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1385-01	ST-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO
Q1385-02	ST-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO

Date/Time 02/18/25 15:00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 02/18/25 17:00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166764

SOP ID:	M8151A-Herbicide-22				
Clean Up SOP #:	N/A			**Extraction Start Date :**	02/18/2025
Matrix :	Solid			**Extraction Start Time :**	14:17
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	02/19/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	14:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	3,4,7	**Supervisor By :**	rajesh

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	PP24079
Surrogate	1.0ML	5000 PPB	PP24196
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	EP2582
Acidified Na2SO4	N/A	EP2576
Sand	N/A	E2865
HCL	N/A	M6111
DI WATER	N/A	N/A
37% KOH	N/A	EP2563
Methylene Chloride	N/A	E3874
1:3 SULPHURIC ACID	N/A	EP2587
Ether	N/A	E3370
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14150
Diazomethane	N/A	EP2575
Hexane	N/A	E3872
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 BTS721.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/19/25	RP (SAA-lab)	Post PCB Lab
14:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166764

Analytical Method: M8151A-Herbicide-22 **Concentration Date:** 02/19/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166764BL	HBLK764	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10			U5-1
PB166764BS	HLCS764	Herbicide Group1	30.01	N/A	ritesh	Evelyn	10			2
Q1383-01	OU4-PCS-TC-11-021725	Herbicide Group1	30.08	N/A	ritesh	Evelyn	10	E		3
Q1383-01MS	OU4-PCS-TC-11-021725MS	Herbicide Group1	30.05	N/A	ritesh	Evelyn	10	E		4
Q1383-01MSD	OU4-PCS-TC-11-021725MSD	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		5
Q1383-03	OU4-PCS-TC-12-021725	Herbicide Group1	30.10	N/A	ritesh	Evelyn	10	E		6
Q1383-05	OU4-PCS-TC-13-021725	Herbicide Group1	30.04	N/A	ritesh	Evelyn	10	E		U6-1
Q1383-07	OU4-PCS-TC-14-021725	Herbicide Group1	30.06	N/A	ritesh	Evelyn	10	E		2
Q1383-09	OU4-PCS-TC-15-021725	Herbicide Group1	30.09	N/A	ritesh	Evelyn	10	E		3
Q1383-11	OU4-PCS-TC-16-021725	Herbicide Group1	30.05	N/A	ritesh	Evelyn	10	E		4
Q1383-13	OU4-PCS-TC-17-021725	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		5
Q1383-15	OU4-PCS-TC-18-021725	Herbicide Group1	30.08	N/A	ritesh	Evelyn	10	E		6
Q1383-17	OU4-PCS-TC-19-021725	Herbicide Group1	30.04	N/A	ritesh	Evelyn	10	E		U7-1
Q1383-19	OU4-PCS-TC-20-021725	Herbicide Group1	30.07	N/A	ritesh	Evelyn	10	E		2
Q1383-21	OU4-CF-15-021725	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		3

* **Extracts relinquished on the same date as received.**

2/19/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1383 **WorkList ID :** 187750 **Department :** Extraction **Date :** 02-18-2025 13:14:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1383-01	OU4-PCS-TC-11-021725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	H31	02/17/2025	8151A
Q1383-03	OU4-PCS-TC-12-021725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	H31	02/17/2025	8151A
Q1383-05	OU4-PCS-TC-13-021725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	H31	02/17/2025	8151A
Q1383-07	OU4-PCS-TC-14-021725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	H31	02/17/2025	8151A
Q1383-09	OU4-PCS-TC-15-021725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	H31	02/17/2025	8151A
Q1383-11	OU4-PCS-TC-16-021725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	H31	02/17/2025	8151A
Q1383-13	OU4-PCS-TC-17-021725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	H31	02/17/2025	8151A
Q1383-15	OU4-PCS-TC-18-021725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	H31	02/17/2025	8151A
Q1383-17	OU4-PCS-TC-19-021725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	H31	02/17/2025	8151A
Q1383-19	OU4-PCS-TC-20-021725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	H31	02/17/2025	8151A
Q1383-21	OU4-CF-15-021725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	H31	02/17/2025	8151A

Date/Time 02/18/25 14:15
Raw Sample Received by: RJ (Set Long)
Raw Sample Relinquished by: JM (SM)

Date/Time 02/18/25 14:40
Raw Sample Received by: JM (SM)
Raw Sample Relinquished by: RJ (Set Long)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1383

Test : Herbicide Group1

Prepbatch ID : PB166764,

Sequence ID/Qc Batch ID: ps022125,PS022425,ps022625,

Standard ID :
EP2576,EP2582,PP24061,PP24062,PP24064,PP24065,PP24066,PP24067,PP24068,PP24069,PP24070,PP24079,PP24196,

Chemical ID :
E2865,E3370,E3551,E3826,E3843,E3873,E3874,M5173,M6111,P10549,P11180,P11181,P12619,P12629,P12686,P12708,P12709,P13510,P13511,P13512,P13513,P13523,P13524,P13525,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
601	Acidified Sodium Sulphate 2	EP2576	01/06/2025	06/02/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/06/2025

FROM 100.00000ml of E3370 + 150.00000ml of M5173 + 3000.00000ml of E3551 = Final Quantity: 3000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2582	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3873 + 8000.00000ml of E3874 = Final Quantity: 16000.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1321	2/200 PPM Herb Mega Mix	PP24061	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024

FROM 0.20000ml of P10549 + 1.00000ml of P11180 + 1.00000ml of P12619 + 1.00000ml of P12629 + 1.00000ml of P12686 + 95.80000ml of E3826 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1851	2/200 PPM Herb Mega Mix 2nd Source	PP24062	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024

FROM 1.00000ml of P11181 + 1.00000ml of P12708 + 1.00000ml of P12709 + 97.00000ml of E3826 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1452	1500 PPB HERB MIX STD	PP24064	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024

FROM 0.25000ml of E3826 + 0.75000ml of PP24061 = 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	PP24065	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24061 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1454	750 PPB Herb MIX STD	PP24066	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024

FROM 0.25000ml of E3826 + 0.75000ml of PP24065 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1455	500 PPB Herb MIX STD	PP24067	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24061 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1456	200 PPB Herb MIX STD	PP24068	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024

FROM 0.90000ml of E3826 + 0.10000ml of PP24061 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1854	1000 PPB HERB MIX ICV STD	PP24069	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24062 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1691	750 PPB ICV HERB STD	PP24070	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024

FROM 0.25000ml of E3826 + 0.75000ml of PP24069 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24079	12/11/2024	06/05/2025	Abdul Mirza	None	None	Ankita Jodhani 12/17/2024

FROM 0.50000ml of P13525 + 1.00000ml of P13523 + 1.00000ml of P13524 + 47.50000ml of E3843 = Final Quantity: 50.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP24196	02/18/2025	07/29/2025	Abdul Mirza	None	None	Ankita Jodhani 02/21/2025

FROM 1.25000ml of P13510 + 1.25000ml of P13511 + 1.25000ml of P13512 + 1.25000ml of P13513 + 195.00000ml of E3873 = Final Quantity: 200.000 ml

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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 #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9244-03 / Ether, Anhydrous, Purified (cs/4x4L)	0000288039	07/17/2025	08/01/2022 / Rajesh	07/13/2022 / Rajesh	E3370

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	05/09/2025	11/09/2024 / Rajesh	11/07/2024 / Rajesh	E3826

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	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

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	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

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)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

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)	22F0762009	05/09/2027	11/04/2024 / Eman	09/29/2024 / Janvi	M6111

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32254 / Dalapon Methyl Ester, 1000 ug/ml	A0170243	05/26/2025	11/26/2024 / Ankita	04/06/2021 / dhaval	P10549

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	05/26/2025	11/26/2024 / Ankita	11/01/2021 / Abdul	P11180

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	05/26/2025	11/26/2024 / Ankita	11/01/2021 / Abdul	P11181

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	05/26/2025	11/26/2024 / Ankita	07/03/2023 / Abdul	P12619

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	05/26/2025	11/26/2024 / Ankita	07/03/2023 / Abdul	P12629

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	05/26/2025	11/26/2024 / Ankita	07/24/2023 / Abdul	P12686

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	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12708

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	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12708

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	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12709

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12709

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13510

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13511

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13513

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	06/11/2025	12/11/2024 / Abdul	09/03/2024 / Abdul	P13523

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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	06/11/2025	12/11/2024 / Abdul	09/03/2024 / Abdul	P13523

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	06/11/2025	12/11/2024 / Abdul	09/03/2024 / Abdul	P13524

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	06/11/2025	12/11/2024 / Abdul	09/03/2024 / Abdul	P13524

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	06/11/2025	12/11/2024 / Abdul	09/03/2024 / Abdul	P13525

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	06/11/2025	12/11/2024 / Abdul	09/03/2024 / Abdul	P13525

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Ether, Anhydrous
BAKER ANALYZED® A.C.S. Reagent
Contains BHT as a Preservative
Suitable for Fat Extraction

avantor™ | J.T.Baker®

Material No.: 9244-03
Batch No.: 0000288039
Manufactured Date: 2021/07/22
Expiration Date: 2023/07/22
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay ($(C_2H_5)_2O$) (by GC, corrected for water)	>= 99.0 %	100.0
Alcohol (C_2H_5OH)	Passes Test	PT
Carbonyl Compounds (as HCHO) (by polarography)	<= 0.001 %	< 0.001
Color (APHA)	<= 10	< 5
Peroxide (as H_2O_2)	<= 1 ppm	< 1
Preservative (BHT)	>= 7 ppm	9
Residue after Evaporation	<= 0.0010 %	< 0.0010
Titrable Acid (µeq/g)	<= 0.2	< 0.2
Water (by KF, coulometric)	<= 0.01 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US

Recd. by RP on 9/13/22

E 3370

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E3826

Rec'd by RP on 11/7/24

Jamie Croak
Director Quality Operations, Bioscience Production

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

Recd. by RP on 12/5/24

E 3843

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

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

Recd. by RP on 1/29/25

E 3873

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

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000281827

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

M6109
M6110
M6111

Received date 9/29/24 Met dig.

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22F0762009
Manufactured Date: 2022-05-10
Retest Date: 2027-05-09
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.6 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.190
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	0.8 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	14.9 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	< 0.4 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	0.2 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.: 22F0762009

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	0.8 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	< 0.2 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	1.0 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities - Sodium (Na)	≤ 100.0 ppb	0.7 ppb
Trace Impurities - Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Tantalum (Ta)	≤ 1.0 ppb	< 0.9 ppb
Trace Impurities - Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities - Titanium (Ti)	≤ 1.0 ppb	0.2 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	< 0.1 ppb

>>> Continued on page 3 >>>

For questions regarding 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®

Material No.: 9530-33
Batch No.: 22F0762009

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

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

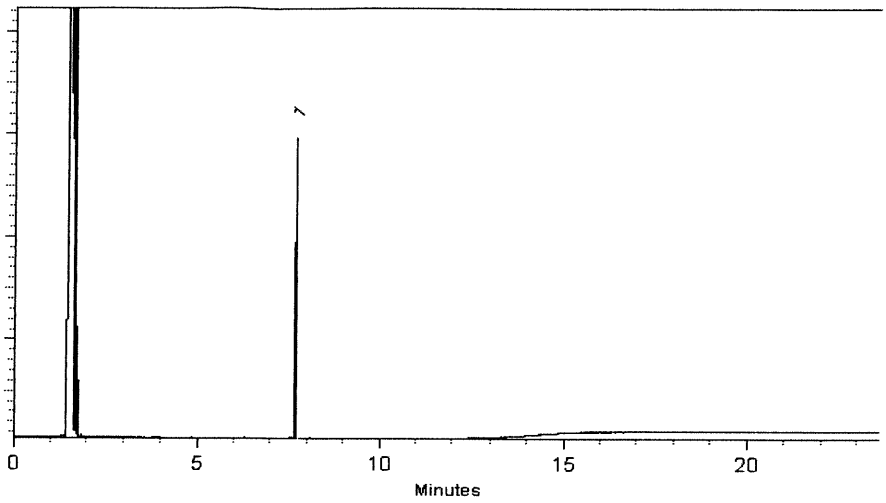
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 111177 to P 111186

AR 11/02/21

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323	µg/mL	Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182	µg/mL	Unstressed
	Purity 99%		+/- 6.8182	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P111177
↓
P111186

AR
11/02/21

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

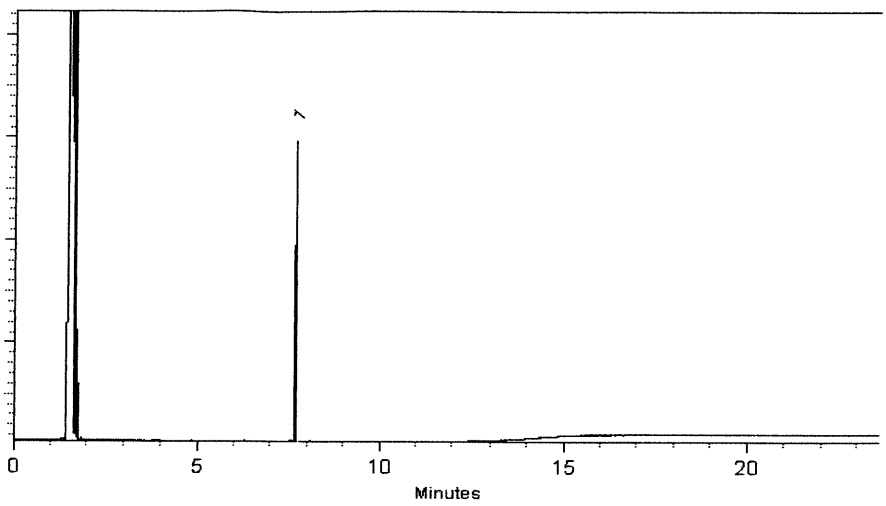
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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 11177 to P 11186

AR 11/02/21

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323	µg/mL	Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182	µg/mL	Unstressed
	Purity 99%		+/- 6.8182	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P111177
↓
P111186

AR
11/02/21

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A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12616 (5)
→ 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)

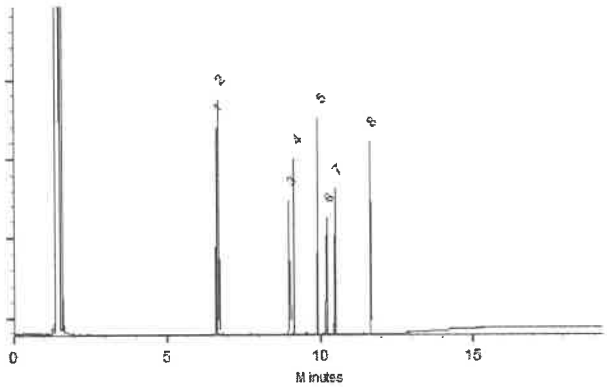
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12626 (5) - P12630

7/5/2023

Catalog No. : 32055 **Lot No.:** A0192429

Description : Herbicide Mix #1/ME (Methyl Ester)

Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	11705400	99%	201.6 µg/mL	+/- 3.4204
2	Dichlorprop methyl ester	57153-17-0	11672100	99%	201.4 µg/mL	+/- 3.4170
3	2,4-D methyl ester	1928-38-7	10048000	99%	201.2 µg/mL	+/- 3.4136
4	2,4,5-TP (silvex) methyl ester	4841-20-7	6364900	99%	201.2 µg/mL	+/- 3.4136
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	200.7 µg/mL	+/- 3.4052
6	Dinoseb methyl ether	6099-79-2	12914300	99%	200.8 µg/mL	+/- 3.4068
7	2,4-DB methyl ester	18625-12-2	12542000	99%	201.0 µg/mL	+/- 3.4102

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

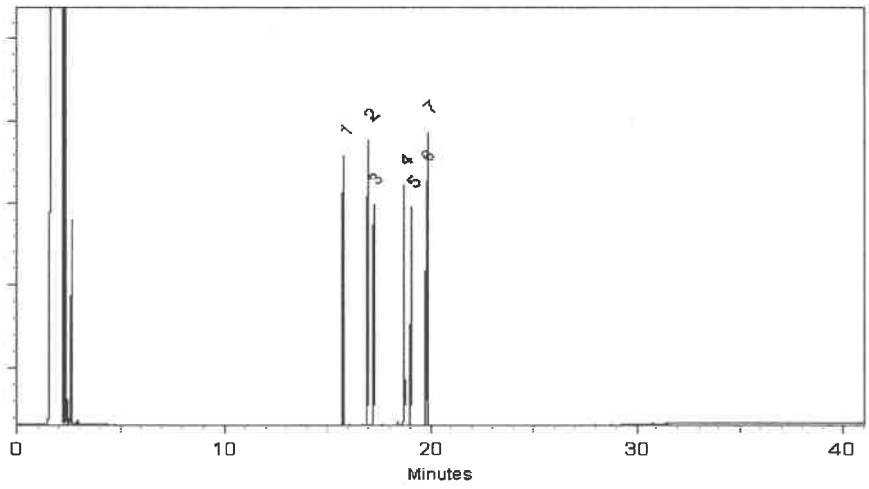
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 09-Dec-2022 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 12-Dec-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 12685 ↓ P 12689 (S)

7/24/23

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)

Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

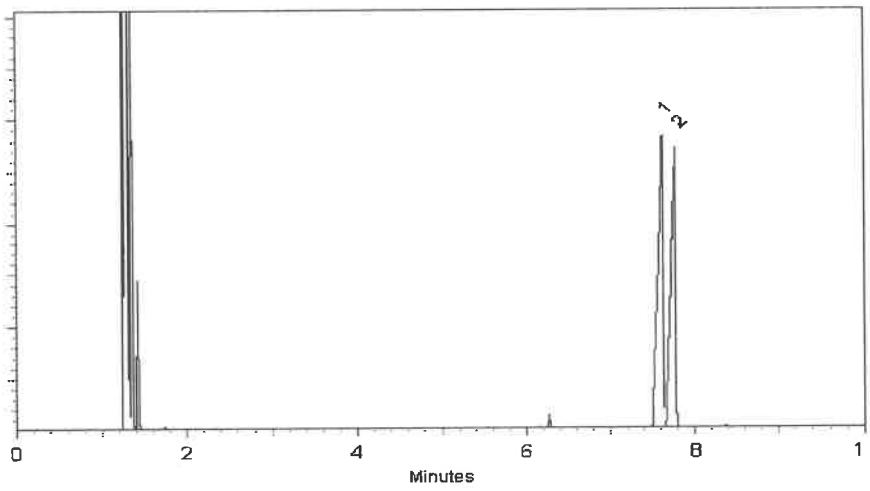
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Agilent

Trusted Answers

P12706 ↓ P12715 (10)

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Product Number: HBM-8151M-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006752480

Lot Issue Date: 18-Jul-2023

Expiration Date: 31-Aug-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen methyl ester	100.3	±	0.5 µg/mL	050594-67-7	RM03058
bentazon methyl derivative	100.2	±	0.5 µg/mL	061592-45-8	RM13829
chloramben methyl ester	100.4	±	0.5 µg/mL	007286-84-2	RM03055
2,4-D methyl ester	100.2	±	0.5 µg/mL	001928-38-7	RM03040
dalapon methyl ester	100.4	±	0.5 µg/mL	017640-02-7	RM14219
2,4-DB methyl ester	100.2	±	0.5 µg/mL	018625-12-2	RM03029
DCPA	100.2	±	0.5 µg/mL	001861-32-1	RM13426
dicamba methyl ester	100.4	±	0.5 µg/mL	006597-78-0	RM03039
methyl-3,5-dichlorobenzoate	100.1	±	0.5 µg/mL	002905-67-1	RM03048
dichlorprop methyl ester	100.4	±	0.5 µg/mL	057153-17-0	NT02086
dinoseb methyl ether	100.5	±	0.5 µg/mL	006099-79-2	RM03051
MCPA methyl ester	10031	±	50 µg/mL	002436-73-9	RM12863
MCPP methyl ester	10031	±	50 µg/mL	023844-56-6	RM20060
4-nitroanisole	100.3	±	0.5 µg/mL	000100-17-4	RM02806
pentachloroanisole	100.4	±	0.5 µg/mL	001825-21-4	RM02457
picloram methyl ester	100.2	±	0.5 µg/mL	014143-55-6	RM03044
silvex methyl ester	100.2	±	0.5 µg/mL	004841-20-7	RM03799
2,4,5-T methyl ester	100.4	±	0.5 µg/mL	001928-37-6	RM03033

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Agilent

Trusted Answers

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

P12706 (10)
↓
P12715

8.15.23

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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:
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Sample lot approver:

Monica Bourgeois
QMS Representative

P12706 (10)
↓
P12715

8.15.23

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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Certificate #3222.01

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. : 32049 **Lot No.:** A0212676

Description : 2,4-Dichlorophenylacetic Acid Standard

2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P13497 ↓ P13515 } Y.P. 08/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:
150mm x 4.6mm
Allure C18 Cat.(#9164565)

Flow Rate:
1.0 ml/min.

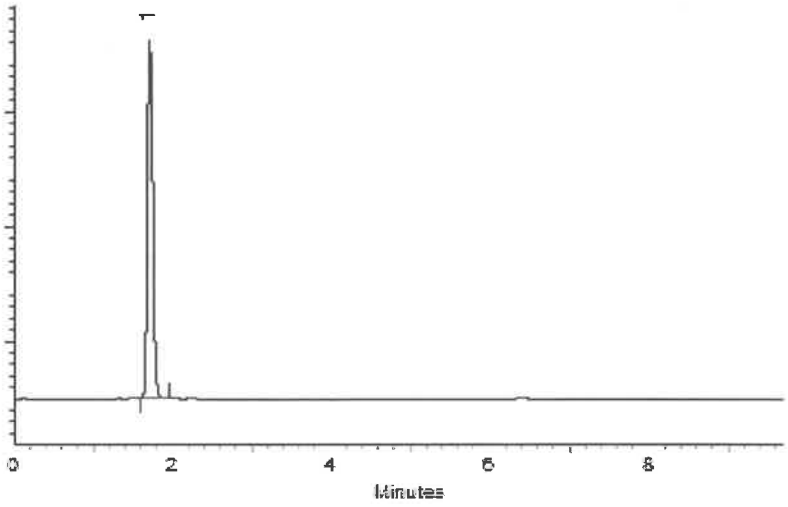
Mobile Phase A:
0.14% H3PO4 in water

Mobile Phase B:
acetonitrile

Mobile Phase Composition:
90%B Isocratic

Det. Type:
Wavelength: 220 & 254 nm

Inj. Vol
5µl



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: 11-Jun-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.

Catalog No. : 32049 **Lot No.:** A0212676

Description : 2,4-Dichlorophenylacetic Acid Standard

2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P13497 ↓ P13515 } Y.P. 08/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:
150mm x 4.6mm
Allure C18 Cat.(#9164565)

Flow Rate:
1.0 ml/min.

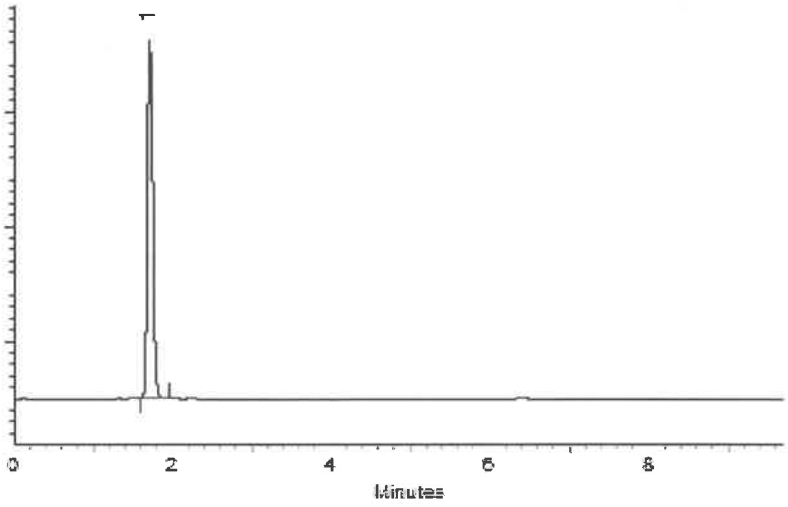
Mobile Phase A:
0.14% H3PO4 in water

Mobile Phase B:
acetonitrile

Mobile Phase Composition:
90%B Isocratic

Det. Type:
Wavelength: 220 & 254 nm

Inj. Vol
5µl



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: 11-Jun-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.

Catalog No. : 32049 **Lot No.:** A0212676

P13497 ↓ P13515 } Y.P. 08/16/24

Description : 2,4-Dichlorophenylacetic Acid Standard

2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2027 **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-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:
150mm x 4.6mm
Allure C18 Cat.(#9164565)

Flow Rate:
1.0 ml/min.

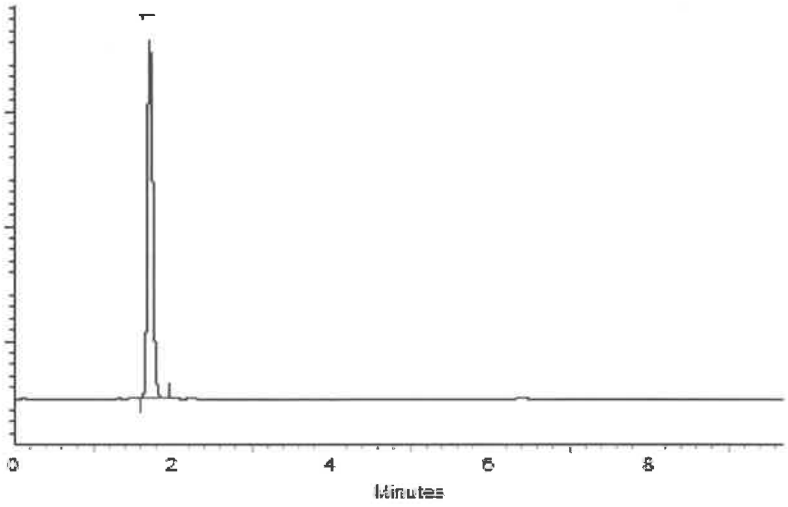
Mobile Phase A:
0.14% H3PO4 in water

Mobile Phase B:
acetonitrile

Mobile Phase Composition:
90%B Isocratic

Det. Type:
Wavelength: 220 & 254 nm

Inj. Vol
5µl



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: 11-Jun-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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. : 32049 **Lot No.:** A0212676

Description : 2,4-Dichlorophenylacetic Acid Standard

2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P13497 ↓ P13515 } Y.P. 08/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:
150mm x 4.6mm
Allure C18 Cat.(#9164565)

Flow Rate:
1.0 ml/min.

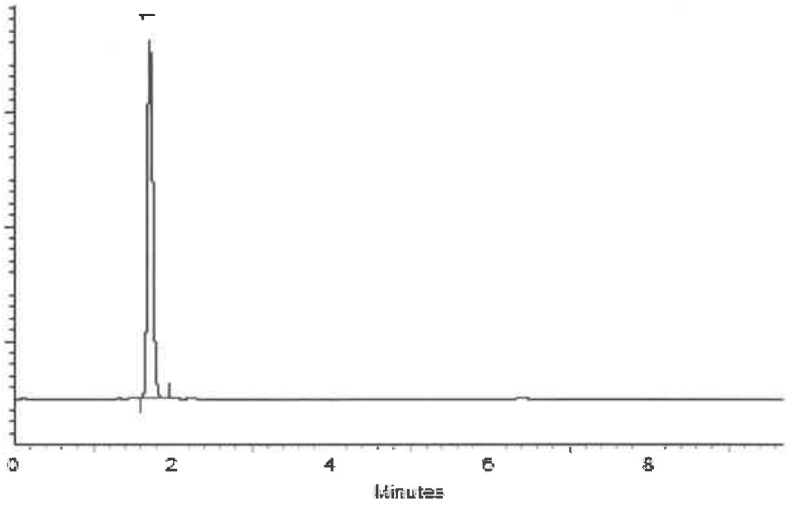
Mobile Phase A:
0.14% H3PO4 in water

Mobile Phase B:
acetonitrile

Mobile Phase Composition:
90%B Isocratic

Det. Type:
Wavelength: 220 & 254 nm

Inj. Vol
5µl



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: 11-Jun-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

(18)

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Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13520 ↓ P13536 (18)

CSD-QA-015.2

9/4/2024

ISO 17025
Cert No. AT-1937

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(18)

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13520 ↓ P13536 (18)

CSD-QA-015.2

ISO 17025
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9/4/2024

(18)

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

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Homogeneity:
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P13520 ↓ P13536 (18)

CSD-QA-015.2

9/4/2024

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SHIPPING DOCUMENTS

Q1383

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page __2__ of __2__

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	A. Brittingham

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1] Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	
	OU4-PCS-TC-11-021725	2/17/25	9:20	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-12-021725	2/17/25	9:25	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-13-021725	2/17/25	9:30	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-14-021725	2/17/25	9:35	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-15-021725	2/17/25	9:40	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-16-021725	2/17/25	9:45	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-17-021725	2/17/25	9:50	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-18-021725	2/17/25	9:55	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-19-021725	2/17/25	10:00	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-20-021725	2/17/25	10:05	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-CF-15-021725	2/17/25	8:15	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	

[2] Preservation Code
Lab Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 2/17/25 1200
Received by: (signature)	Date/Time: 2-18-25 10:25
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:
IR Cuvette
3.1 C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1383 NOBI03 **Order Date :** 2/18/2025 11:19:00 AM **Project Mgr :**
Client Name : Nobis Group **Project Name :** Raymark Superfund Site **Report Type :** Level 4
Client Contact : Adam Roy **Receive DateTime :** 2/18/2025 10:25:00 AM **EDD Type :** EQUIS
Invoice Name : Nobis Group **Purchase Order :** **Hard Copy Date :**
Invoice Contact : Adam Roy **Date Signoff :**

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1383-01	OU4-PCS-TC-11-021725	Solid	02/17/2025	09:20					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-03	OU4-PCS-TC-12-021725	Solid	02/17/2025	09:25					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-05	OU4-PCS-TC-13-021725	Solid	02/17/2025	09:30					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-07	OU4-PCS-TC-14-021725	Solid	02/17/2025	09:35					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-09	OU4-PCS-TC-15-021725	Solid	02/17/2025	09:40					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-11	OU4-PCS-TC-16-021725	Solid	02/17/2025	09:45					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-13	OU4-PCS-TC-17-021725	Solid	02/17/2025	09:50					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-15	OU4-PCS-TC-18-021725	Solid	02/17/2025	09:55					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1383 NOBI03 **Order Date :** 2/18/2025 11:19:00 AM **Project Mgr :**
Client Name : Nobis Group **Project Name :** Raymark Superfund Site **Report Type :** Level 4
Client Contact : Adam Roy **Receive DateTime :** 2/18/2025 10:25:00 AM **EDD Type :** EQUIS
Invoice Name : Nobis Group **Purchase Order :** **Hard Copy Date :**
Invoice Contact : Adam Roy **Date Signoff :**

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-17	OU4-PCS-TC-19-021725	Solid	02/17/2025	10:00					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-19	OU4-PCS-TC-20-021725	Solid	02/17/2025	10:05					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-21	~~OU4-PCS-TC-1~~-021725 OU4-EF-15	Solid	02/17/2025	08:15					
					VOCMS Group3		8260D	10 Bus. Days	

Relinguished By : _____
Date / Time : 2-18-25 1245

Received By : _____
Date / Time : 02/18/25

Storage Area : **VOA Refridgerator Room**

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:08
Operator : AR\AJ
Sample : Q1383-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:12:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.631	1880.0E6	414.9E6	456.235	441.208	
	Target Compounds							
1) T	Dalapon	2.560f	0.000	765.2E6	0	138.610	N.D.	#
2) T	3,5-DICHL...	6.325	6.610	46640380	15852994	7.971	11.195	#
3) T	4-Nitroph...	6.919f	7.171	156.5E6	36008941	66.870	45.150	#
5) T	DICAMBA	7.355	7.865f	16648626	9435039	<MDL	1.831	#
6) T	MCPP	7.527	7.954	34103305	21969173	2.767	9.392	#
7) T	MCPA	7.669	8.174	73364357	14686435	4.329	4.604	
8) T	DICHLORPROP	8.040	8.574f	35973301	138.2E6	7.826	108.077	#
9) T	2,4-D	8.306f	8.841	239.2E6	79389566	50.347	62.517	
10) T	Pentachlo...	8.524f	9.340f	257.6E6	36129056	4.414	1.570	#
11) T	2,4,5-TP ...	9.102f	9.763	283.1E6	51869164	11.515	5.740	#
12) T	2,4,5-T	9.416	10.198f	70276018	138.9E6	2.757	16.919	#
13) T	2,4-DB	9.978	10.740	215.8E6	-4278760	51.693	N.D.	#
14) T	DINOSEB	11.224f	11.118	117.7E6	49228152	7.078	8.121	
15) T	Picloram	11.011	12.185	982.0E6	415.9E6	32.152	35.972	
16) T	DCPA	11.463f	12.185f	213.1E6	415.9E6	7.102	35.139	#

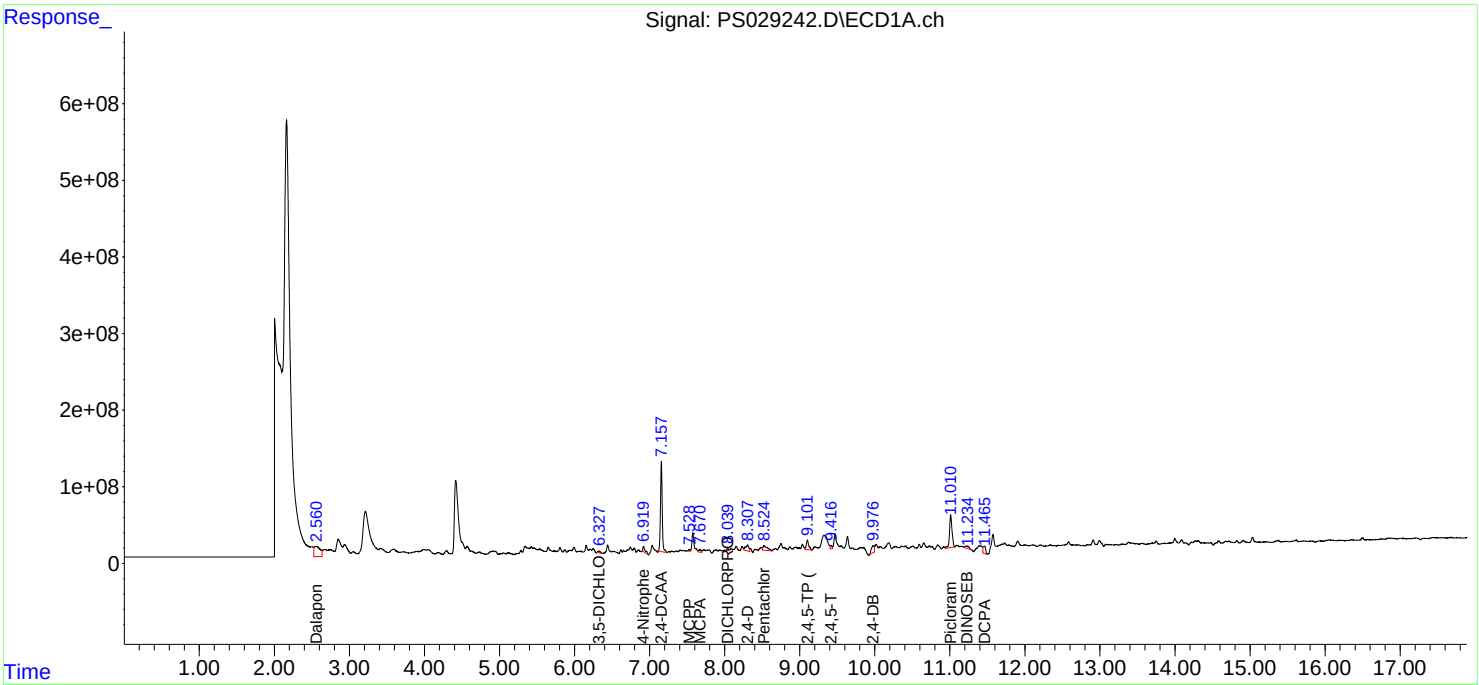
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

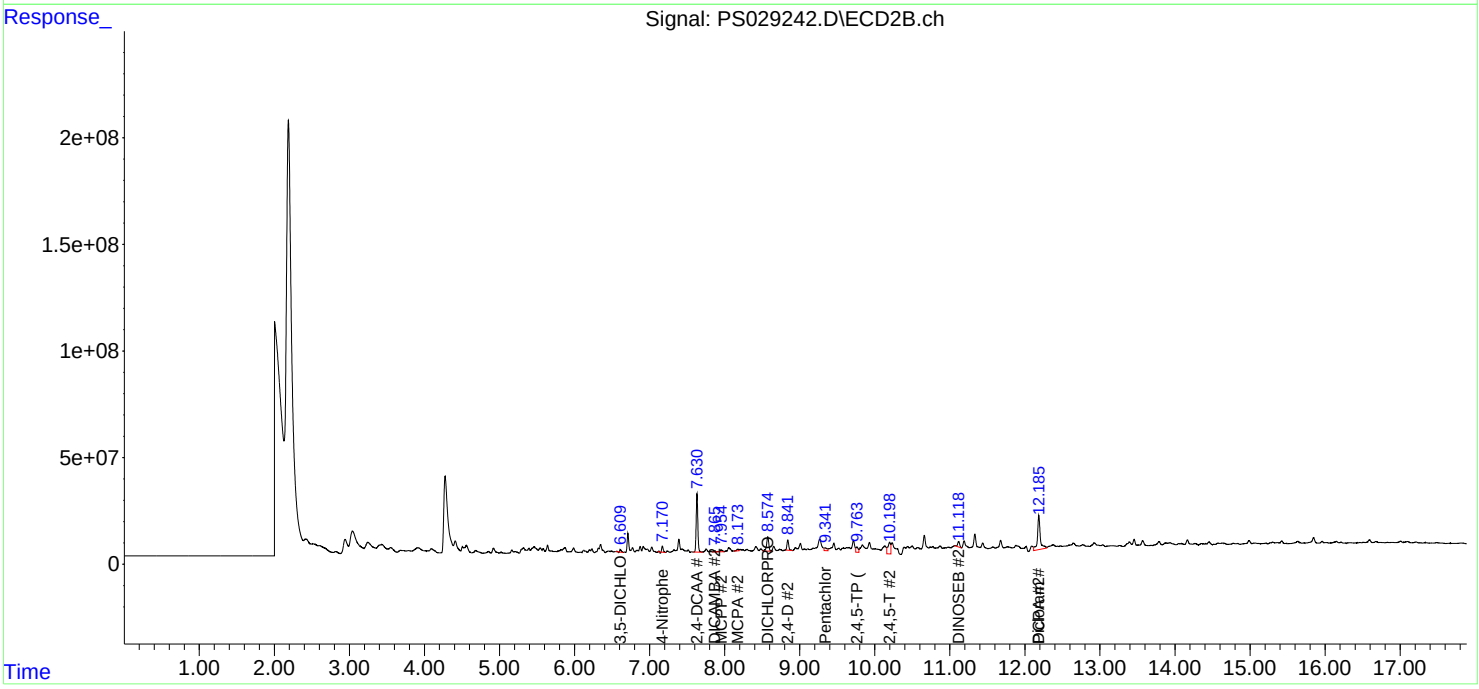
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:08
Operator : AR\AJ
Sample : Q1383-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

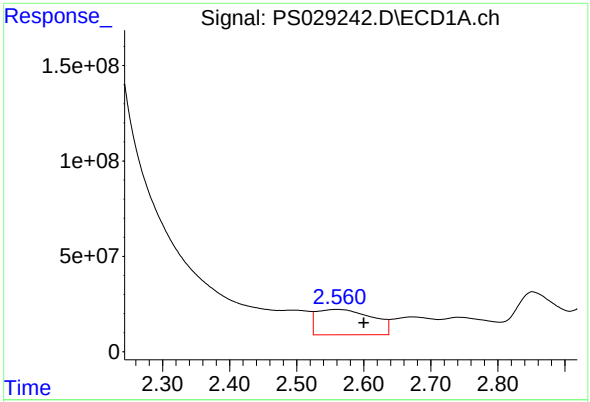
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:12:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



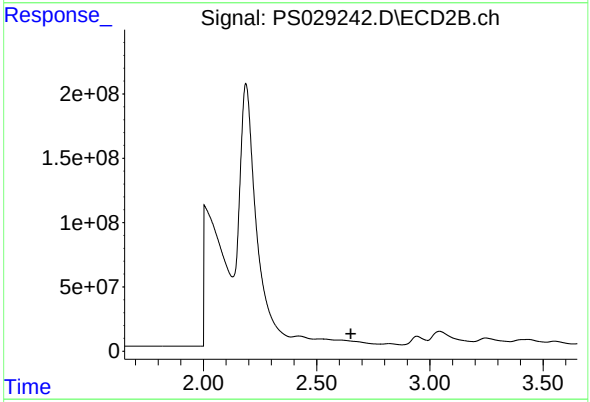




#1 Dalapon

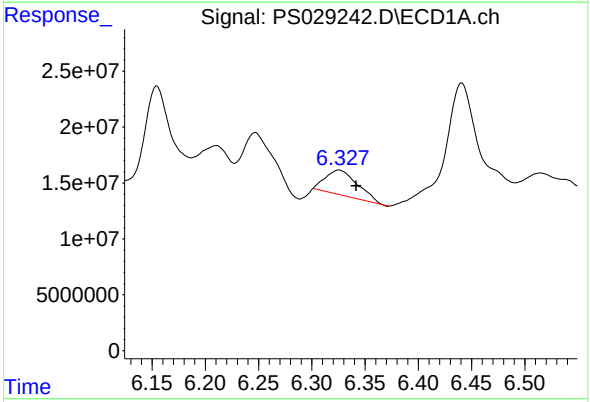
R.T.: 2.560 min
Delta R.T.: -0.040 min
Response: 765166103
Conc: 138.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725



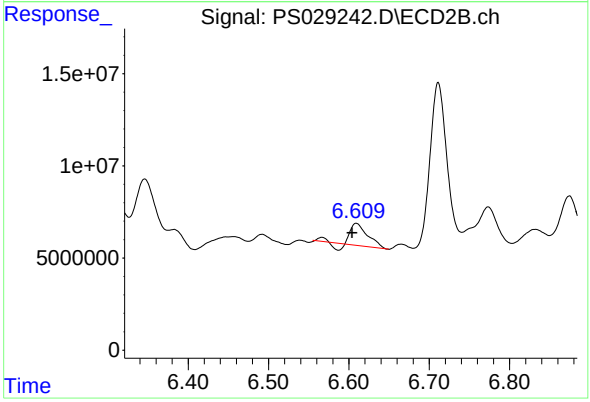
#1 Dalapon

R.T.: 0.000 min
Exp R.T. : 2.651 min
Response: 0
Conc: N.D.



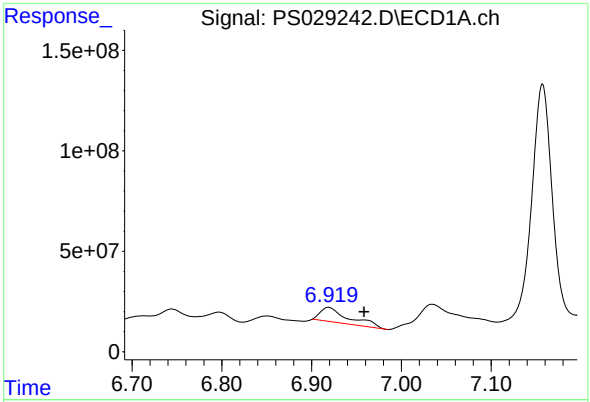
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.325 min
Delta R.T.: -0.016 min
Response: 46640380
Conc: 7.97 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

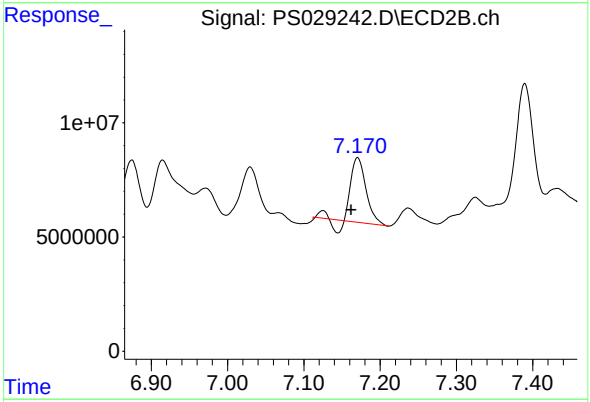
R.T.: 6.610 min
Delta R.T.: 0.005 min
Response: 15852994
Conc: 11.19 ng/ml



#3 4-Nitrophenol

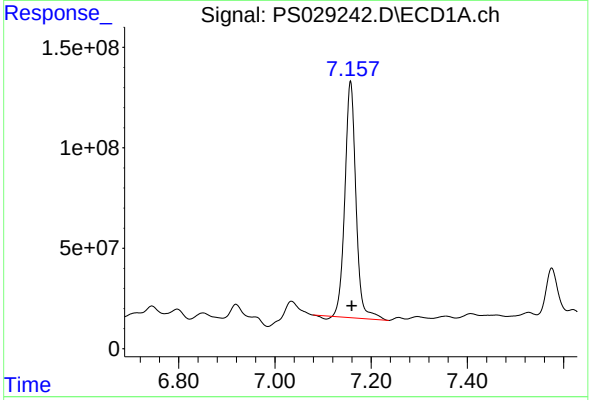
R.T.: 6.919 min
Delta R.T.: -0.040 min
Response: 156487607
Conc: 66.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725



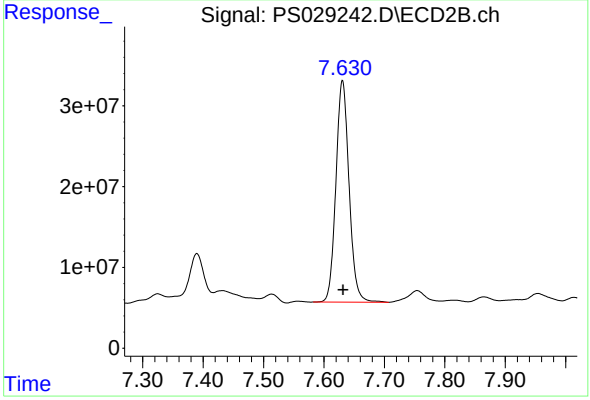
#3 4-Nitrophenol

R.T.: 7.171 min
Delta R.T.: 0.009 min
Response: 36008941
Conc: 45.15 ng/ml



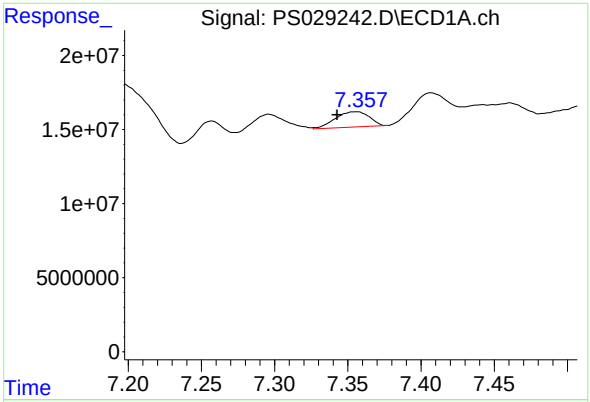
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 1879953257
Conc: 456.24 ng/ml



#4 2,4-DCAA

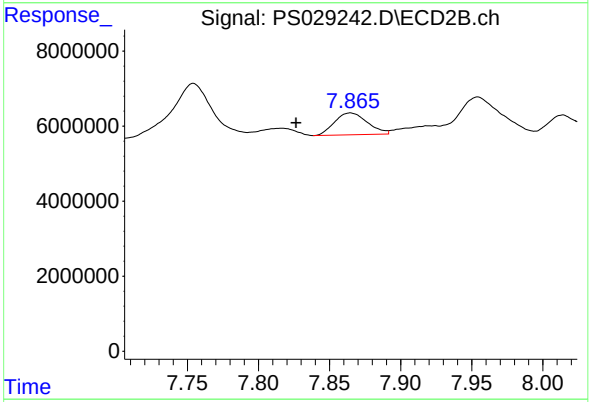
R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 414882192
Conc: 441.21 ng/ml



#5 DICAMBA

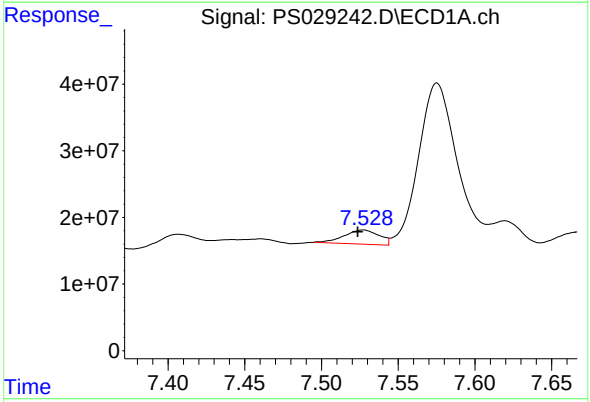
R.T.: 7.355 min
Delta R.T.: 0.013 min
Response: 16648626
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725



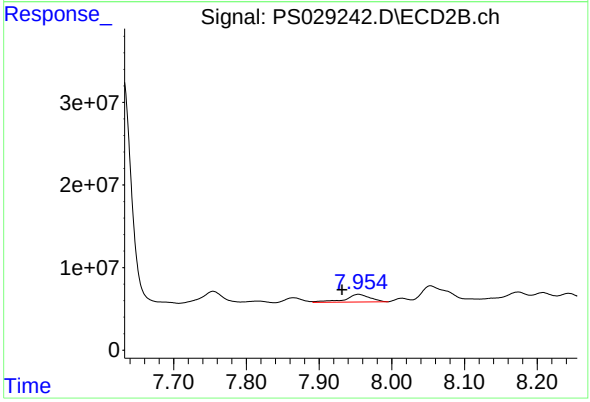
#5 DICAMBA

R.T.: 7.865 min
Delta R.T.: 0.038 min
Response: 9435039
Conc: 1.83 ng/ml



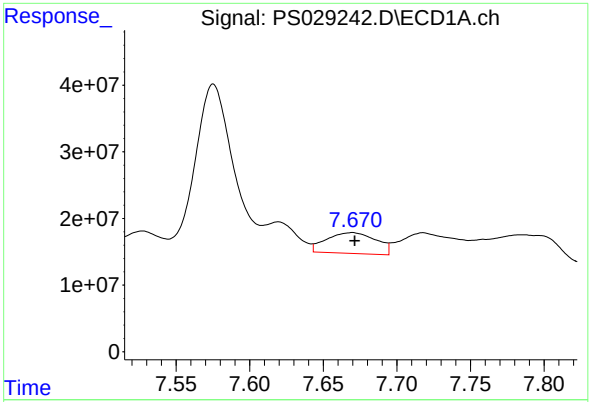
#6 MCPP

R.T.: 7.527 min
Delta R.T.: 0.004 min
Response: 34103305
Conc: 2.77 ug/ml



#6 MCPP

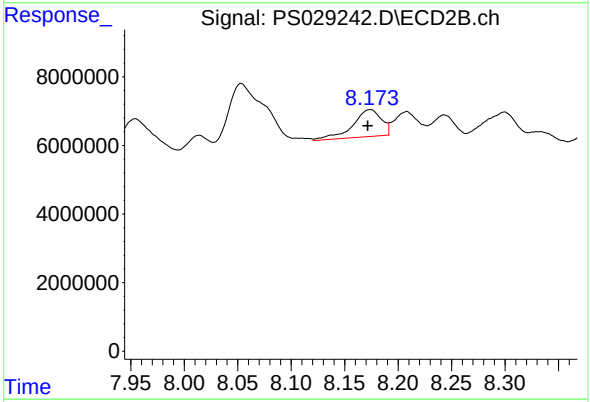
R.T.: 7.954 min
Delta R.T.: 0.022 min
Response: 21969173
Conc: 9.39 ug/ml



#7 MCPA

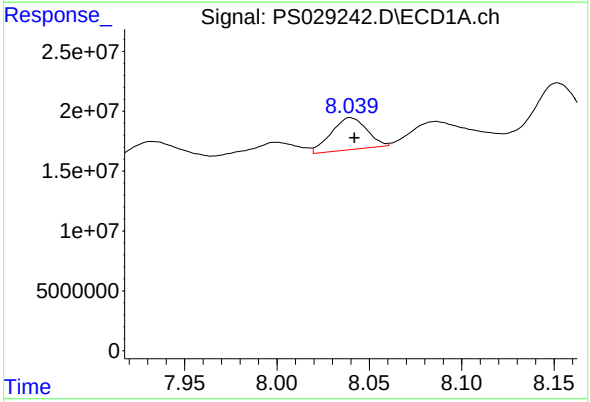
R.T.: 7.669 min
Delta R.T.: -0.002 min
Response: 73364357
Conc: 4.33 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725



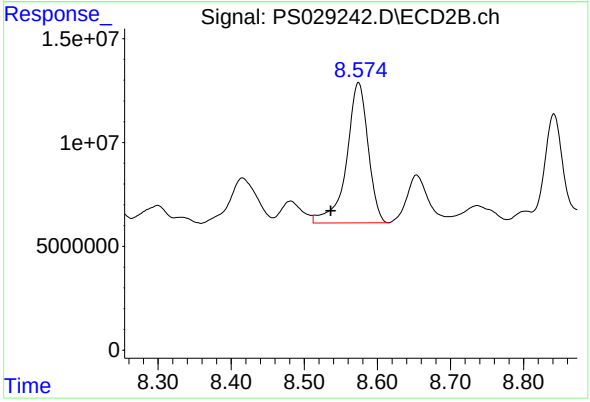
#7 MCPA

R.T.: 8.174 min
Delta R.T.: 0.002 min
Response: 14686435
Conc: 4.60 ug/ml



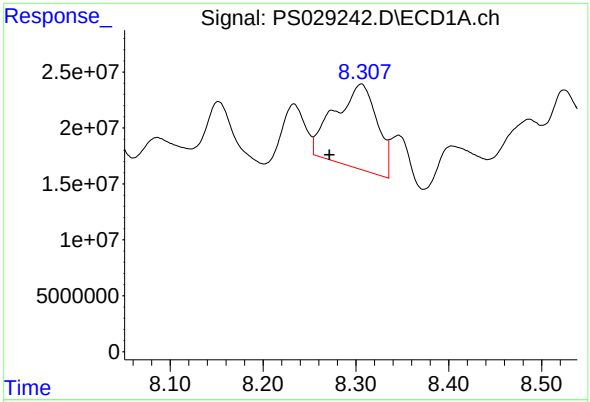
#8 DICHLORPROP

R.T.: 8.040 min
Delta R.T.: -0.002 min
Response: 35973301
Conc: 7.83 ng/ml



#8 DICHLORPROP

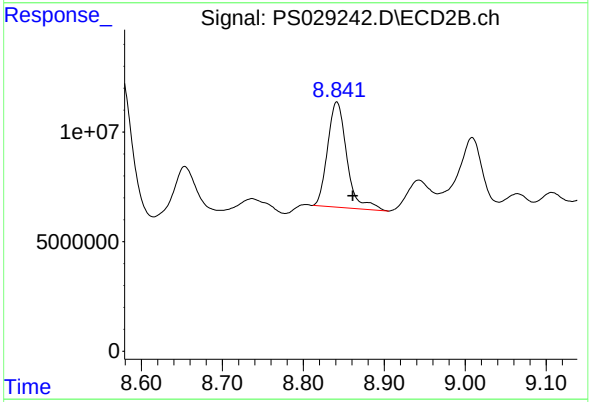
R.T.: 8.574 min
Delta R.T.: 0.038 min
Response: 138204802
Conc: 108.08 ng/ml



#9 2,4-D

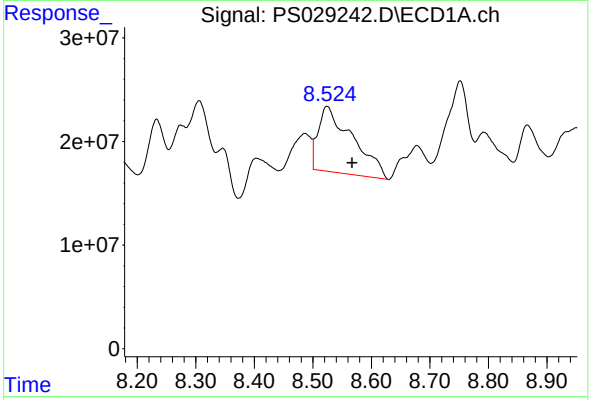
R.T.: 8.306 min
Delta R.T.: 0.034 min
Response: 239172053
Conc: 50.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725



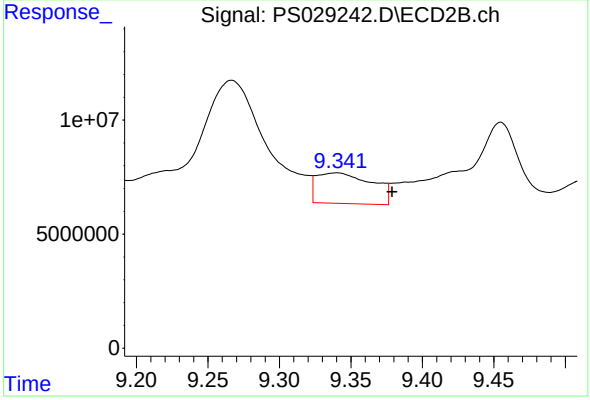
#9 2,4-D

R.T.: 8.841 min
Delta R.T.: -0.020 min
Response: 79389566
Conc: 62.52 ng/ml



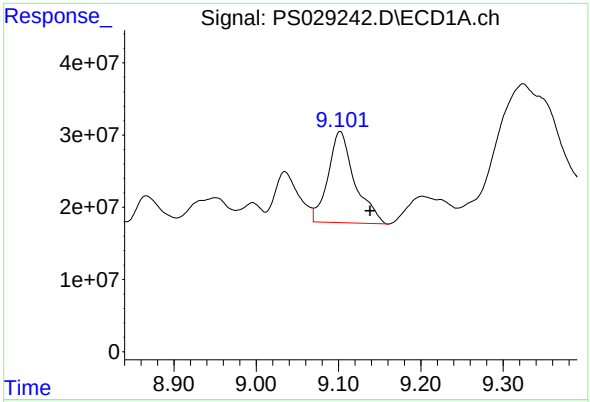
#10 Pentachlorophenol

R.T.: 8.524 min
Delta R.T.: -0.043 min
Response: 257567953
Conc: 4.41 ng/ml



#10 Pentachlorophenol

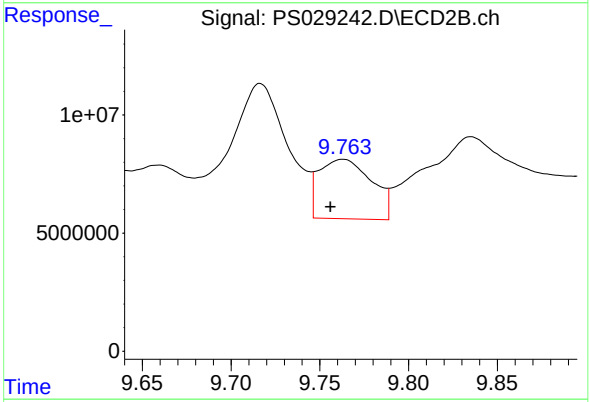
R.T.: 9.340 min
Delta R.T.: -0.039 min
Response: 36129056
Conc: 1.57 ng/ml



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

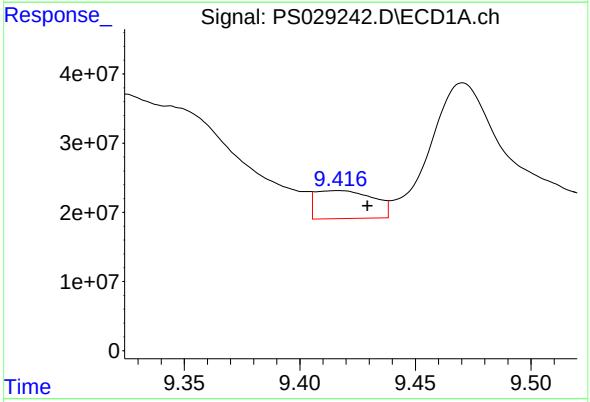
R.T.: 9.102 min
Delta R.T.: -0.036 min
Response: 283109693
Conc: 11.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725



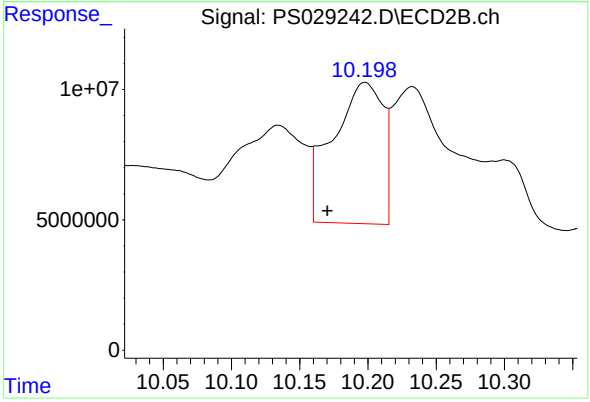
#11 2,4,5-TP (SILVEX)

R.T.: 9.763 min
Delta R.T.: 0.007 min
Response: 51869164
Conc: 5.74 ng/ml



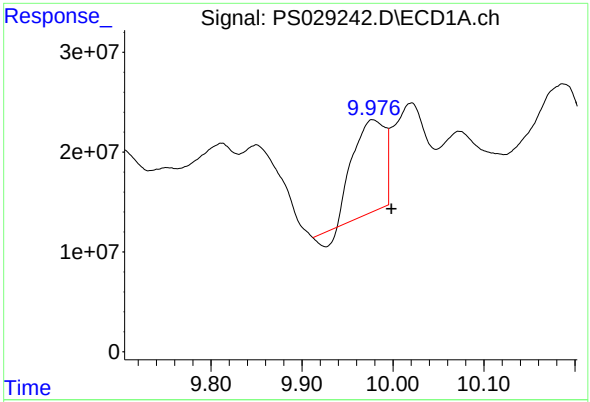
#12 2,4,5-T

R.T.: 9.416 min
Delta R.T.: -0.013 min
Response: 70276018
Conc: 2.76 ng/ml



#12 2,4,5-T

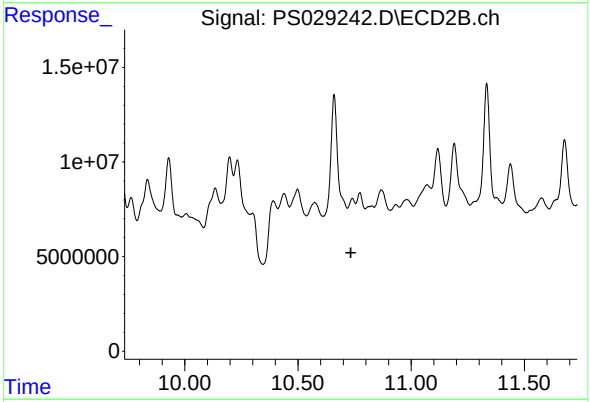
R.T.: 10.198 min
Delta R.T.: 0.028 min
Response: 138909340
Conc: 16.92 ng/ml



#13 2,4-DB

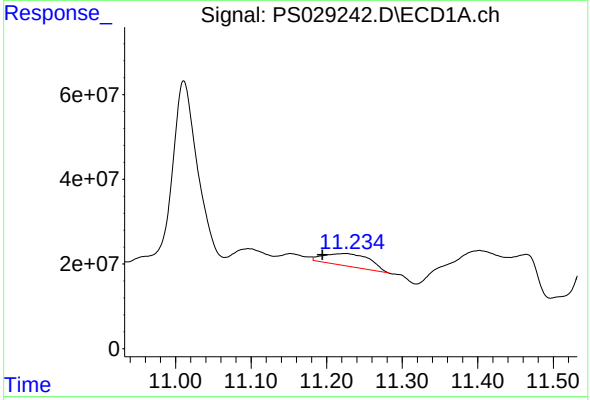
R.T.: 9.978 min
Delta R.T.: -0.020 min
Response: 215842504
Conc: 51.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725



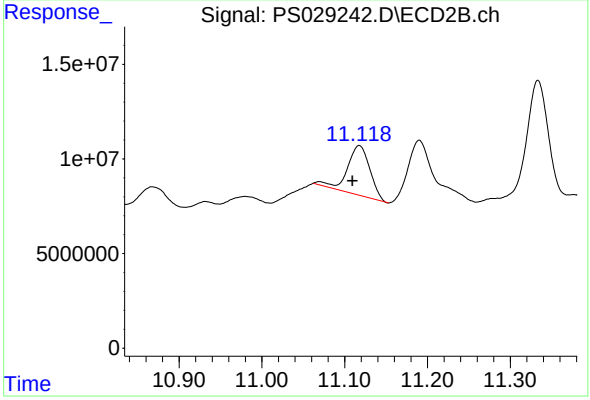
#13 2,4-DB

R.T.: 10.740 min
Delta R.T.: 0.006 min
Response: -4278760
Conc: N.D.



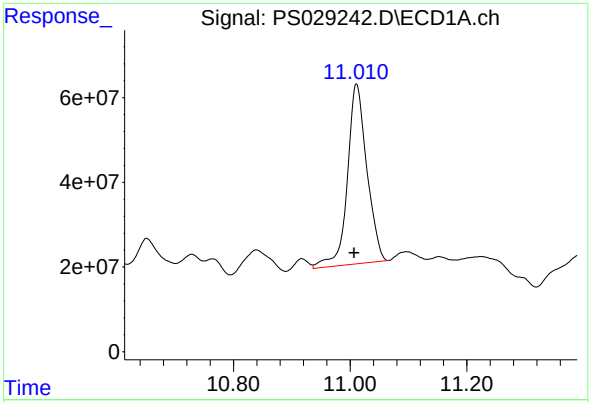
#14 DINOSEB

R.T.: 11.224 min
Delta R.T.: 0.030 min
Response: 117708224
Conc: 7.08 ng/ml



#14 DINOSEB

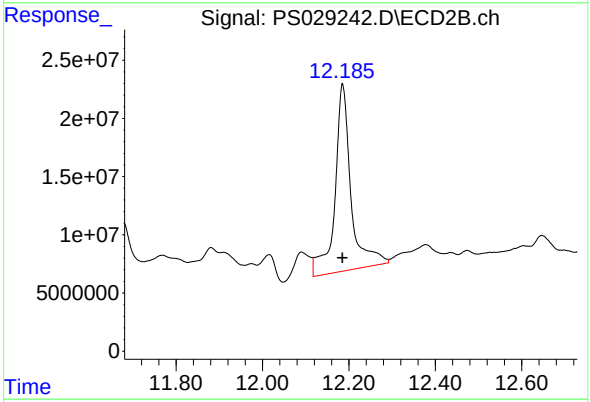
R.T.: 11.118 min
Delta R.T.: 0.008 min
Response: 49228152
Conc: 8.12 ng/ml



#15 Picloram

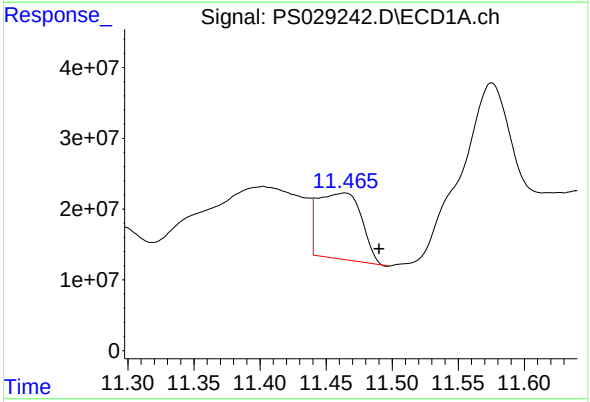
R.T.: 11.011 min
Delta R.T.: 0.004 min
Response: 982024413
Conc: 32.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-12-021725



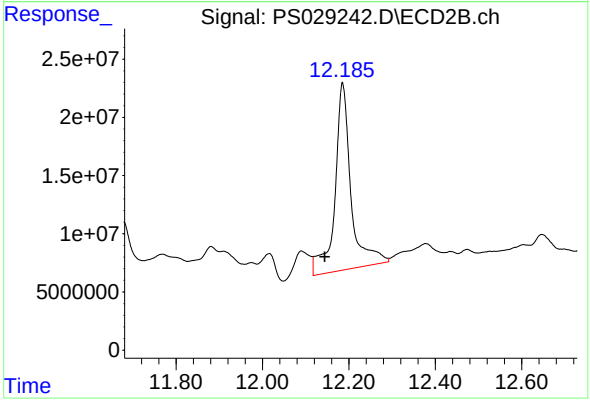
#15 Picloram

R.T.: 12.185 min
Delta R.T.: 0.000 min
Response: 415921422
Conc: 35.97 ng/ml



#16 DCPA

R.T.: 11.463 min
Delta R.T.: -0.027 min
Response: 213071391
Conc: 7.10 ng/ml



#16 DCPA

R.T.: 12.185 min
Delta R.T.: 0.041 min
Response: 415921422
Conc: 35.14 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:32
Operator : AR\AJ
Sample : Q1383-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : ECD_S
ClientSampleId : OU4-PCS-TC-13-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:13:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.631	2005.9E6	445.4E6	486.799	473.683	
	Target Compounds							
1) T	Dalapon	2.560f	0.000	734.1E6	0	132.977	N.D.	#
2) T	3,5-DICHL...	6.325	6.609	40871662	35997797	6.985	25.420	#
3) T	4-Nitroph...	6.960	7.171	22325616	84031264	9.540	105.362	#
5) T	DICAMBA	7.357	7.866f	14224613	1025443	<MDL	<MDL	#
6) T	MCPP	7.525	7.953	61856239	54070227	5.018	23.115	#
7) T	MCPA	7.661	8.171	91412027	23630078	5.395	7.408	#
8) T	DICHLORPROP	8.039	8.574f	86083908	119.8E6	18.728	93.651	#
9) T	2,4-D	8.303f	8.841	323.1E6	111.6E6	68.019	87.865	#
10) T	Pentachlo...	8.525f	9.339f	314.8E6	47268991	5.395	2.054	#
11) T	2,4,5-TP ...	9.103f	9.760	348.4E6	42327595	14.169	4.684	#
12) T	2,4,5-T	9.418	10.199f	74855289	272.3E6	2.937	33.160	#
13) T	2,4-DB	10.021	10.739	186.9E6	-909553	44.763	N.D.	#
14) T	DINOSEB	11.231f	11.120	140.2E6	63314057	8.428	10.445	
15) T	Picloram	11.021	12.188	445.6E6	74544672	14.588	6.447	#
16) T	DCPA	11.458f	12.147	220.5E6	56230673	7.350	4.751	#

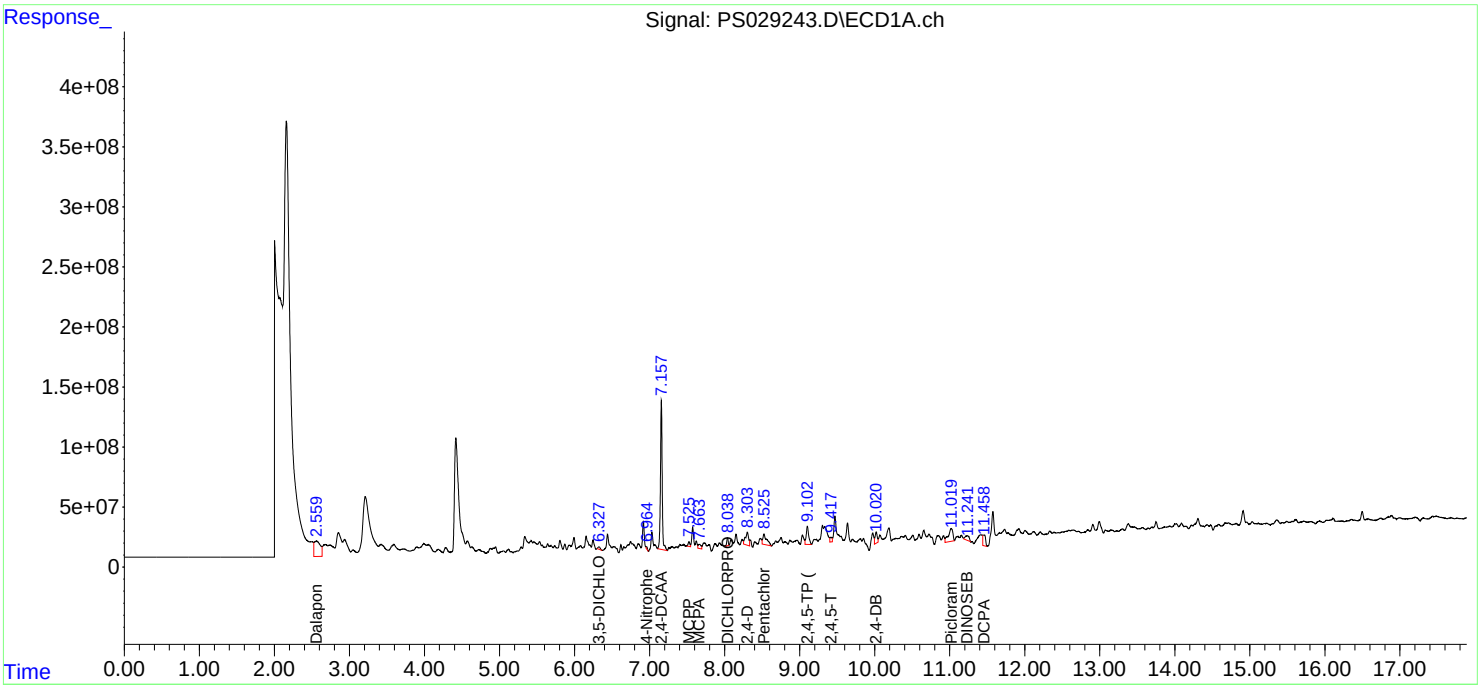
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

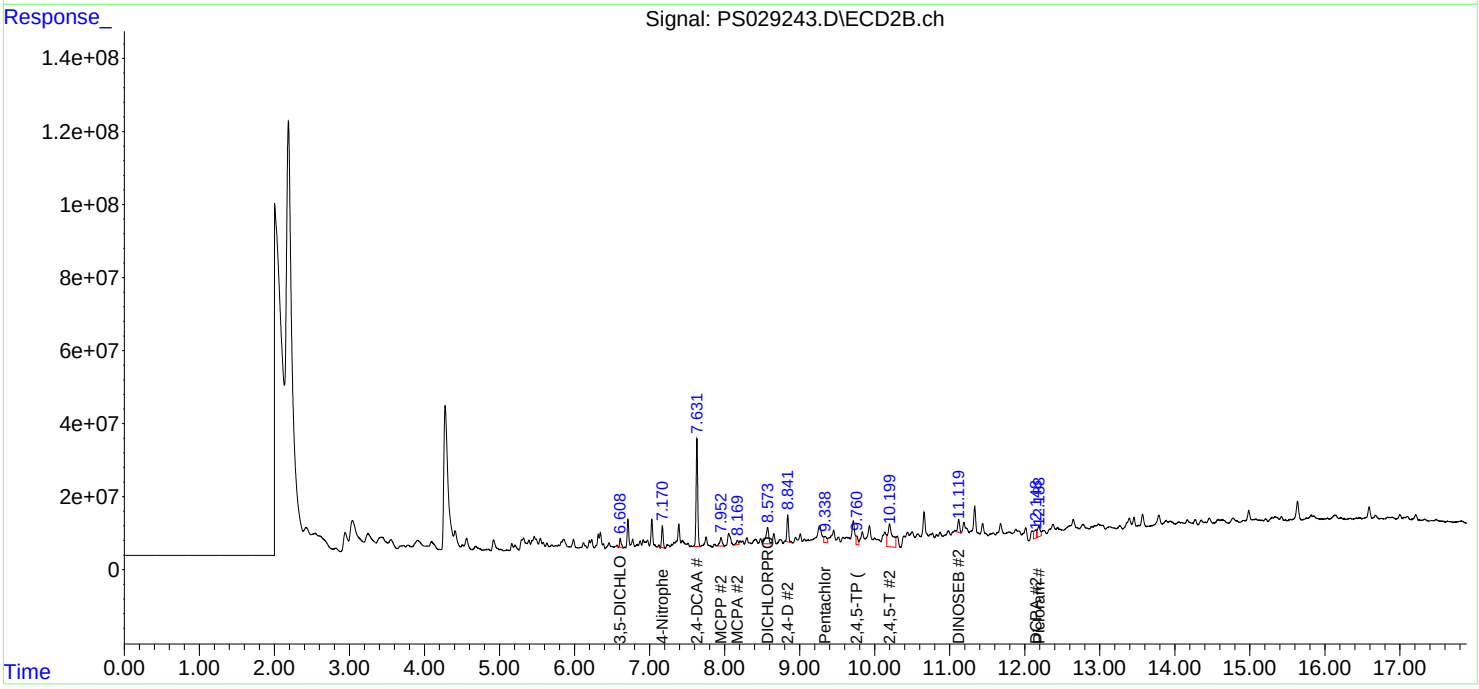
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:32
Operator : AR\AJ
Sample : Q1383-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

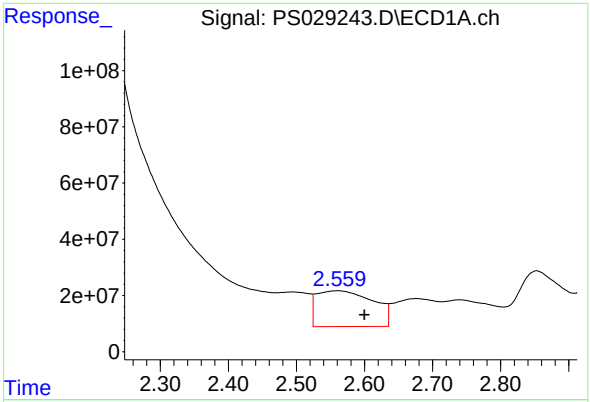
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:13:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



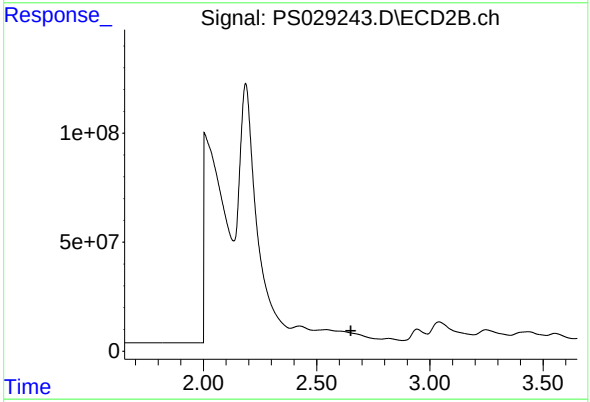




#1 Dalapon

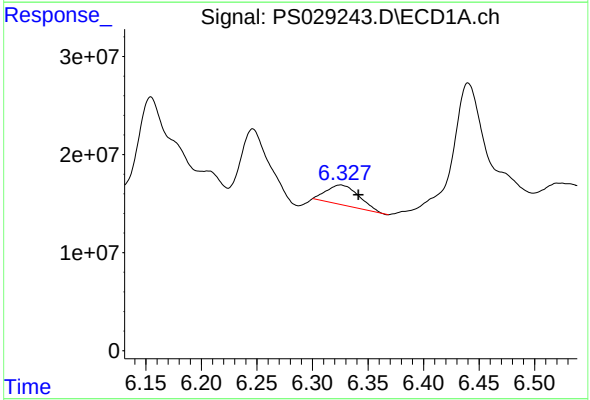
R.T.: 2.560 min
Delta R.T.: -0.040 min
Response: 734069986
Conc: 132.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725



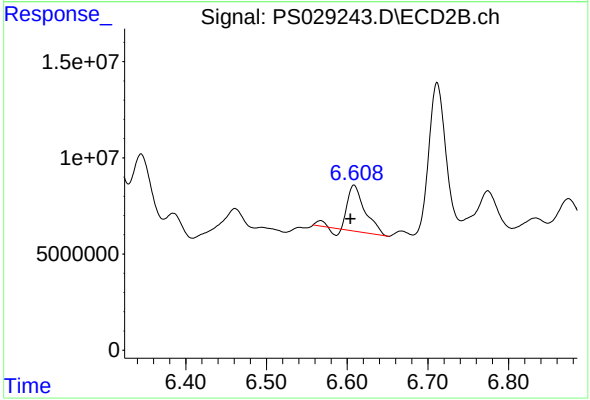
#1 Dalapon

R.T.: 0.000 min
Exp R.T. : 2.651 min
Response: 0
Conc: N.D.



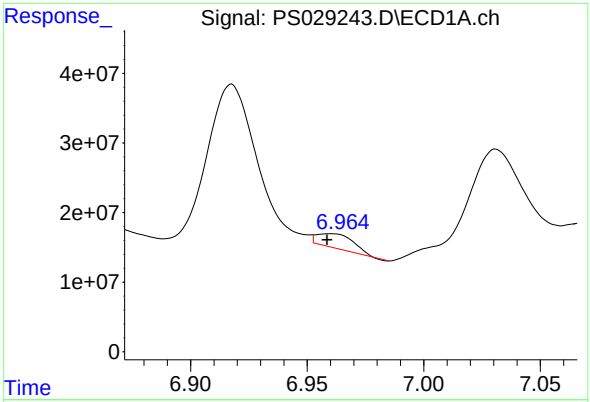
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.325 min
Delta R.T.: -0.016 min
Response: 40871662
Conc: 6.99 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

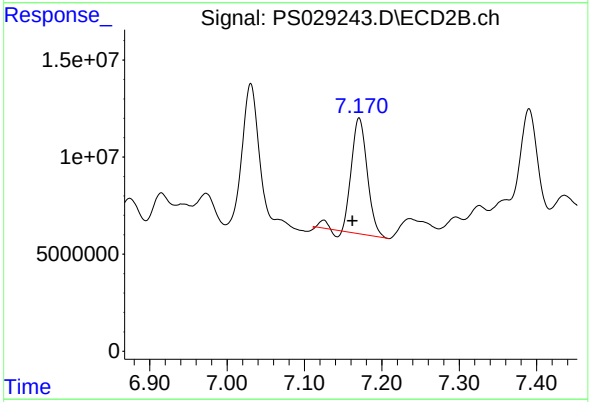
R.T.: 6.609 min
Delta R.T.: 0.005 min
Response: 35997797
Conc: 25.42 ng/ml



#3 4-Nitrophenol

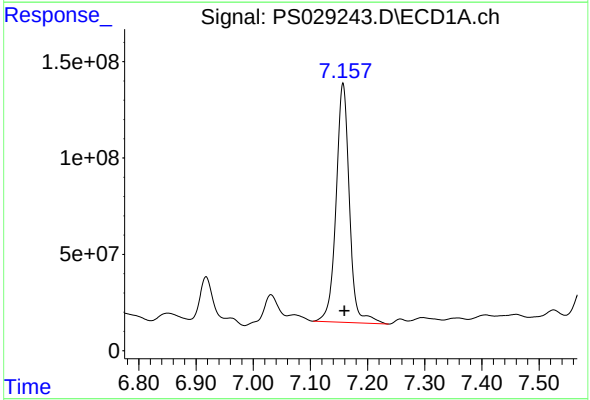
R.T.: 6.960 min
Delta R.T.: 0.001 min
Response: 22325616
Conc: 9.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725



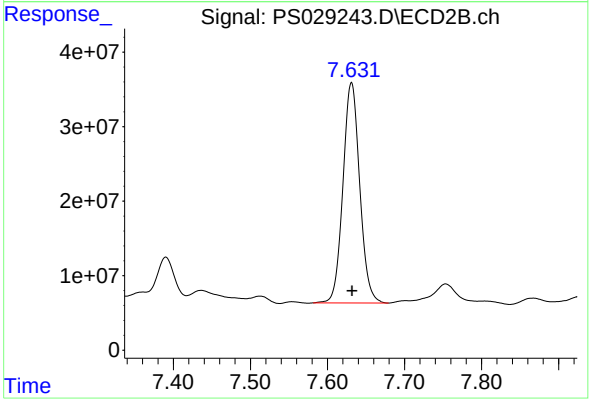
#3 4-Nitrophenol

R.T.: 7.171 min
Delta R.T.: 0.009 min
Response: 84031264
Conc: 105.36 ng/ml



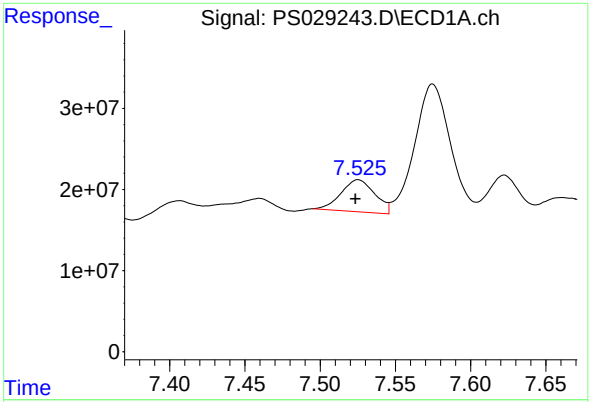
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 2005893076
Conc: 486.80 ng/ml



#4 2,4-DCAA

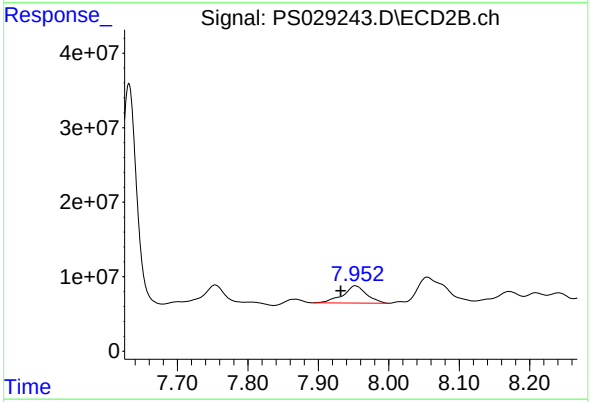
R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 445419783
Conc: 473.68 ng/ml



#6 MCPP

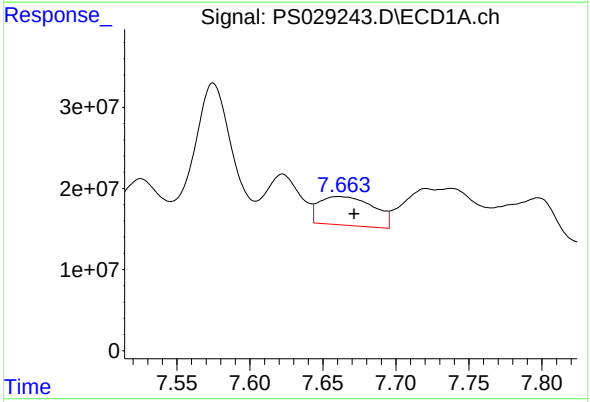
R.T.: 7.525 min
Delta R.T.: 0.002 min
Response: 61856239
Conc: 5.02 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725



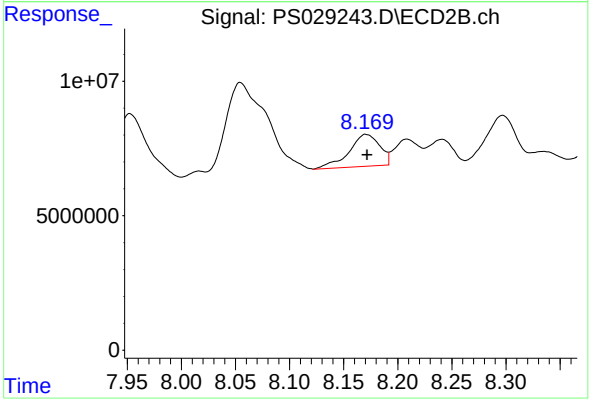
#6 MCPP

R.T.: 7.953 min
Delta R.T.: 0.021 min
Response: 54070227
Conc: 23.12 ug/ml



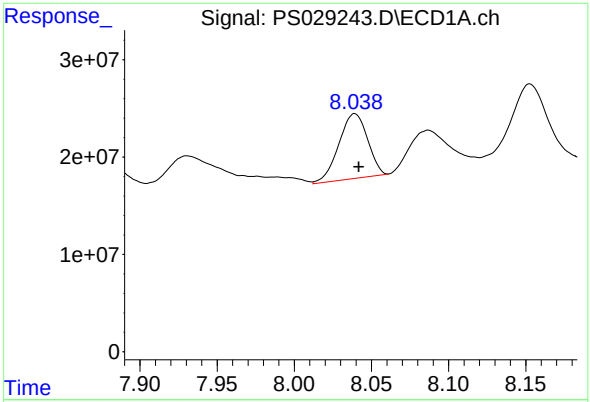
#7 MCPA

R.T.: 7.661 min
Delta R.T.: -0.010 min
Response: 91412027
Conc: 5.39 ug/ml



#7 MCPA

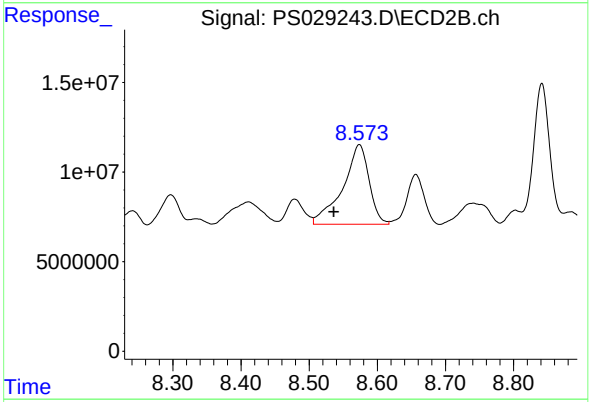
R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 23630078
Conc: 7.41 ug/ml



#8 DICHLORPROP

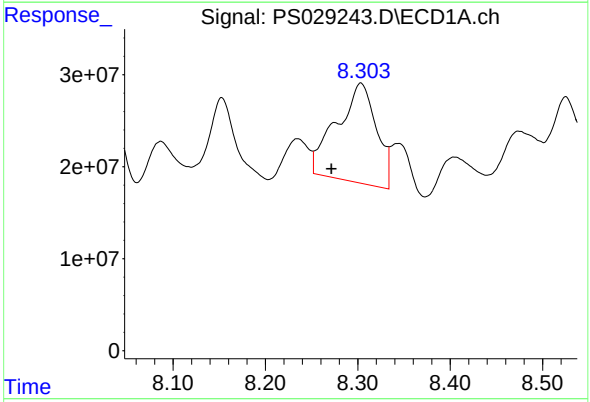
R.T.: 8.039 min
Delta R.T.: -0.003 min
Response: 86083908
Conc: 18.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725



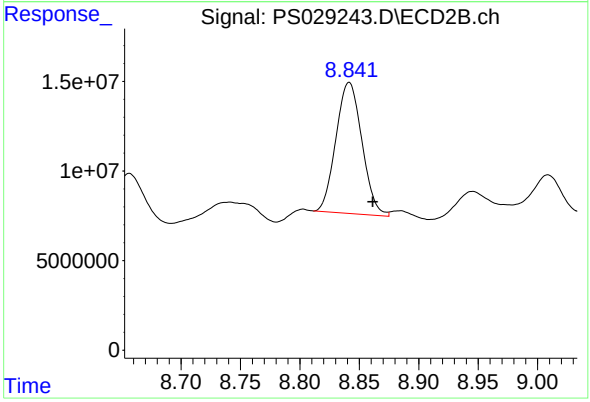
#8 DICHLORPROP

R.T.: 8.574 min
Delta R.T.: 0.037 min
Response: 119757703
Conc: 93.65 ng/ml



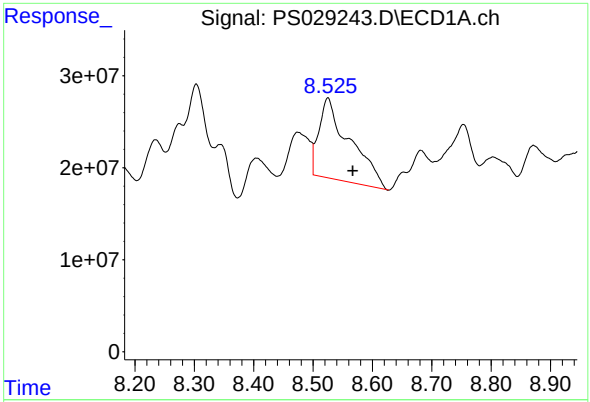
#9 2,4-D

R.T.: 8.303 min
Delta R.T.: 0.032 min
Response: 323119086
Conc: 68.02 ng/ml



#9 2,4-D

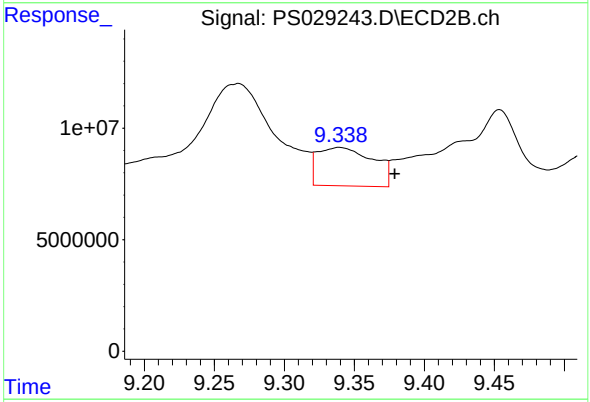
R.T.: 8.841 min
Delta R.T.: -0.020 min
Response: 111579864
Conc: 87.87 ng/ml



#10 Pentachlorophenol

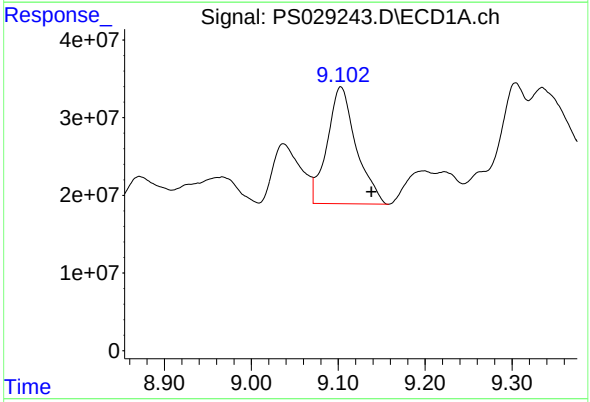
R.T.: 8.525 min
Delta R.T.: -0.042 min
Response: 314846585
Conc: 5.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725



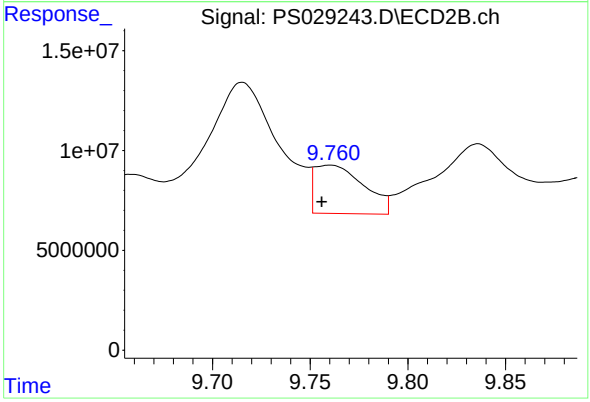
#10 Pentachlorophenol

R.T.: 9.339 min
Delta R.T.: -0.040 min
Response: 47268991
Conc: 2.05 ng/ml



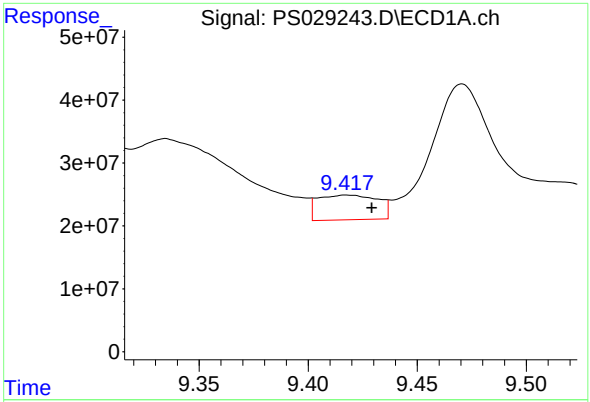
#11 2,4,5-TP (SILVEX)

R.T.: 9.103 min
Delta R.T.: -0.035 min
Response: 348368741
Conc: 14.17 ng/ml



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

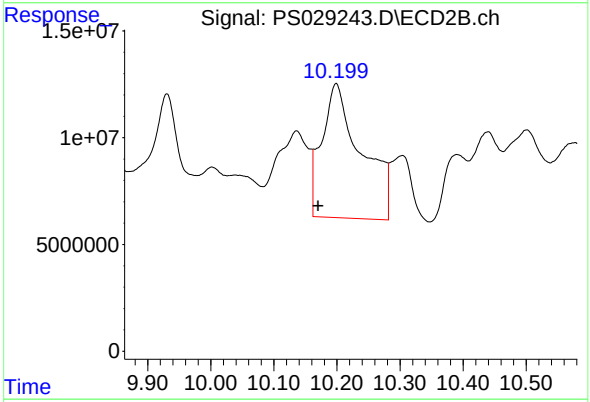
R.T.: 9.760 min
Delta R.T.: 0.004 min
Response: 42327595
Conc: 4.68 ng/ml



#12 2,4,5-T

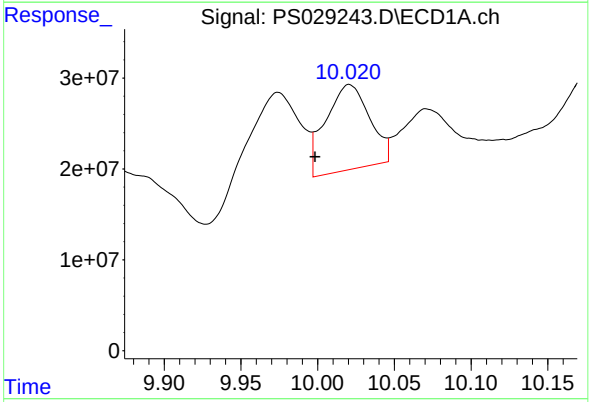
R.T.: 9.418 min
Delta R.T.: -0.011 min
Response: 74855289
Conc: 2.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725



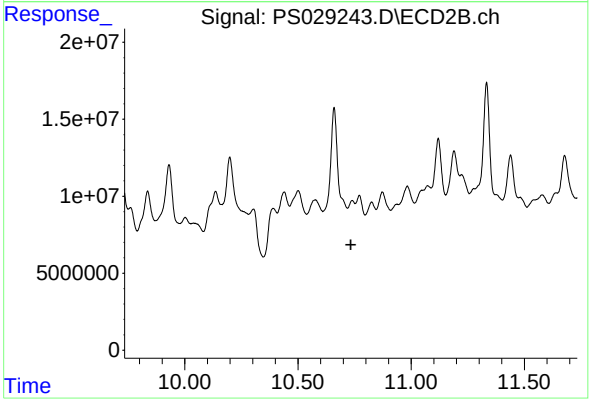
#12 2,4,5-T

R.T.: 10.199 min
Delta R.T.: 0.028 min
Response: 272254548
Conc: 33.16 ng/ml



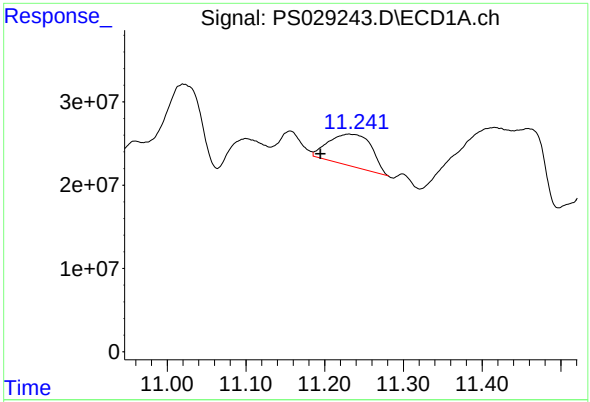
#13 2,4-DB

R.T.: 10.021 min
Delta R.T.: 0.022 min
Response: 186904266
Conc: 44.76 ng/ml



#13 2,4-DB

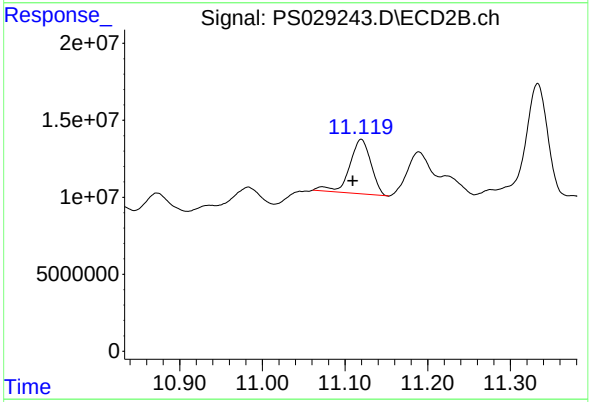
R.T.: 10.739 min
Delta R.T.: 0.006 min
Response: -909553
Conc: N.D.



#14 DINOSEB

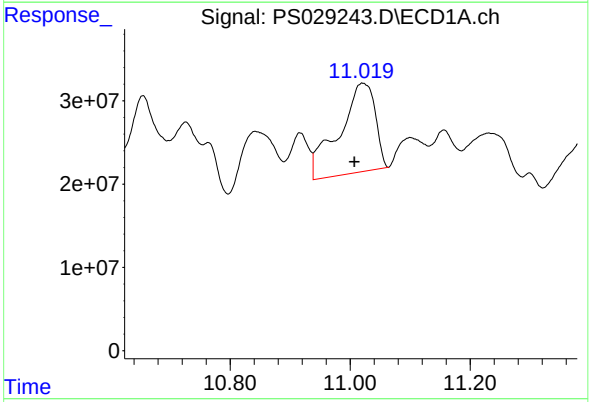
R.T.: 11.231 min
Delta R.T.: 0.037 min
Response: 140169481
Conc: 8.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725



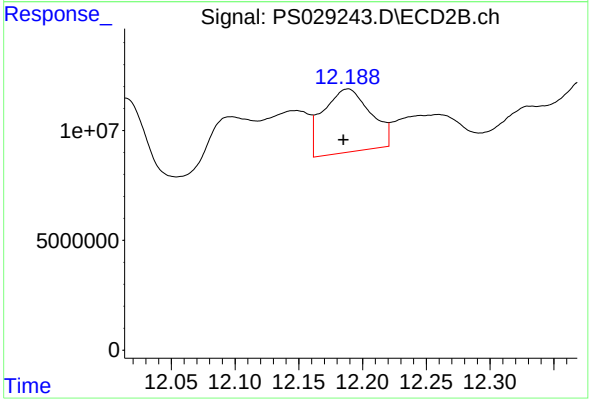
#14 DINOSEB

R.T.: 11.120 min
Delta R.T.: 0.010 min
Response: 63314057
Conc: 10.45 ng/ml



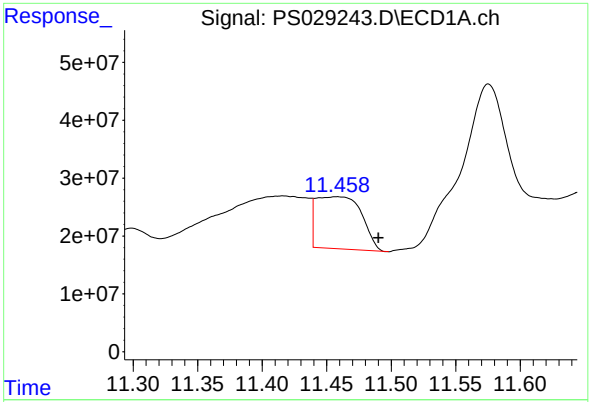
#15 Picloram

R.T.: 11.021 min
Delta R.T.: 0.014 min
Response: 445553444
Conc: 14.59 ng/ml



#15 Picloram

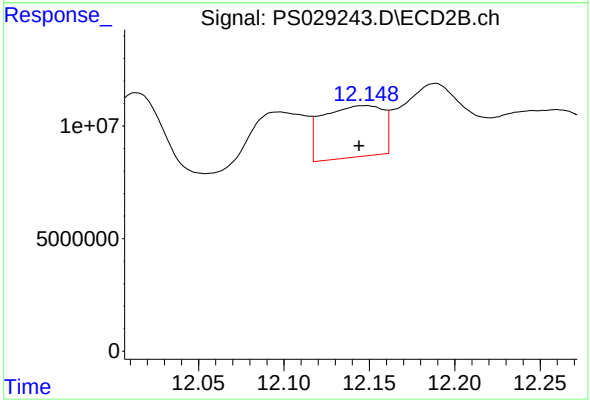
R.T.: 12.188 min
Delta R.T.: 0.003 min
Response: 74544672
Conc: 6.45 ng/ml



#16 DCPA

R.T.: 11.458 min
Delta R.T.: -0.032 min
Response: 220537737
Conc: 7.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-13-021725



#16 DCPA

R.T.: 12.147 min
Delta R.T.: 0.003 min
Response: 56230673
Conc: 4.75 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:56
Operator : AR\AJ
Sample : Q1383-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.630	1831.2E6	407.6E6	444.411	433.489	
	Target Compounds							
1) T	Dalapon	2.560f	0.000	714.1E6	0	129.358	N.D.	#
2) T	3,5-DICHL...	6.326	6.610	46525192	17562716	7.952	12.402	#
3) T	4-Nitroph...	6.961	7.169	28023000	101.2E6	11.975	126.852	#
5) T	DICAMBA	7.354	7.864f	14883538	542795	<MDL	<MDL	#
6) T	MCPP	7.523	7.951	41461175	34194404	3.364	14.618	#
7) T	MCPA	7.668	8.170	78438048	23107153	4.629	7.244	#
8) T	DICHLORPROP	8.039	8.572f	74236058	94940736	16.151	74.244	#
9) T	2,4-D	8.303f	8.841	291.2E6	98955203	61.306	77.924	#
10) T	Pentachlo...	8.562	9.381	143.9E6	33587101	2.466	1.460	#
11) T	2,4,5-TP ...	9.102f	9.758	320.6E6	48157554	13.040	5.329	#
12) T	2,4,5-T	9.416	10.197f	68525603	262.3E6	2.688	31.942	#
13) T	2,4-DB	10.020	10.736	187.1E6	-172644	44.799	N.D.	#
14) T	DINOSEB	11.231f	11.120	138.9E6	133.9E6	8.352	22.097	#
15) T	Picloram	11.032f	12.189	338.4E6	51446399	11.080	4.449	#
16) T	DCPA	11.457f	12.146	271.7E6	49225879	9.057	4.159	#

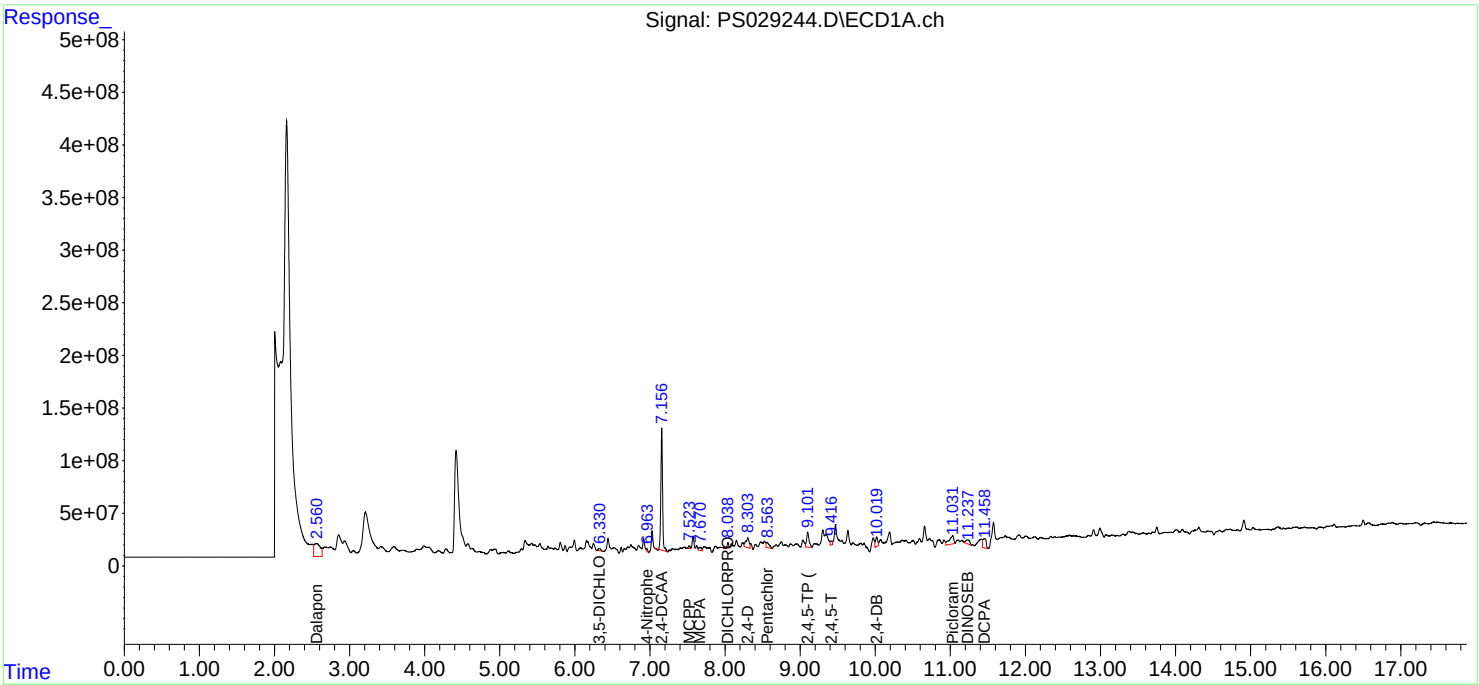
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

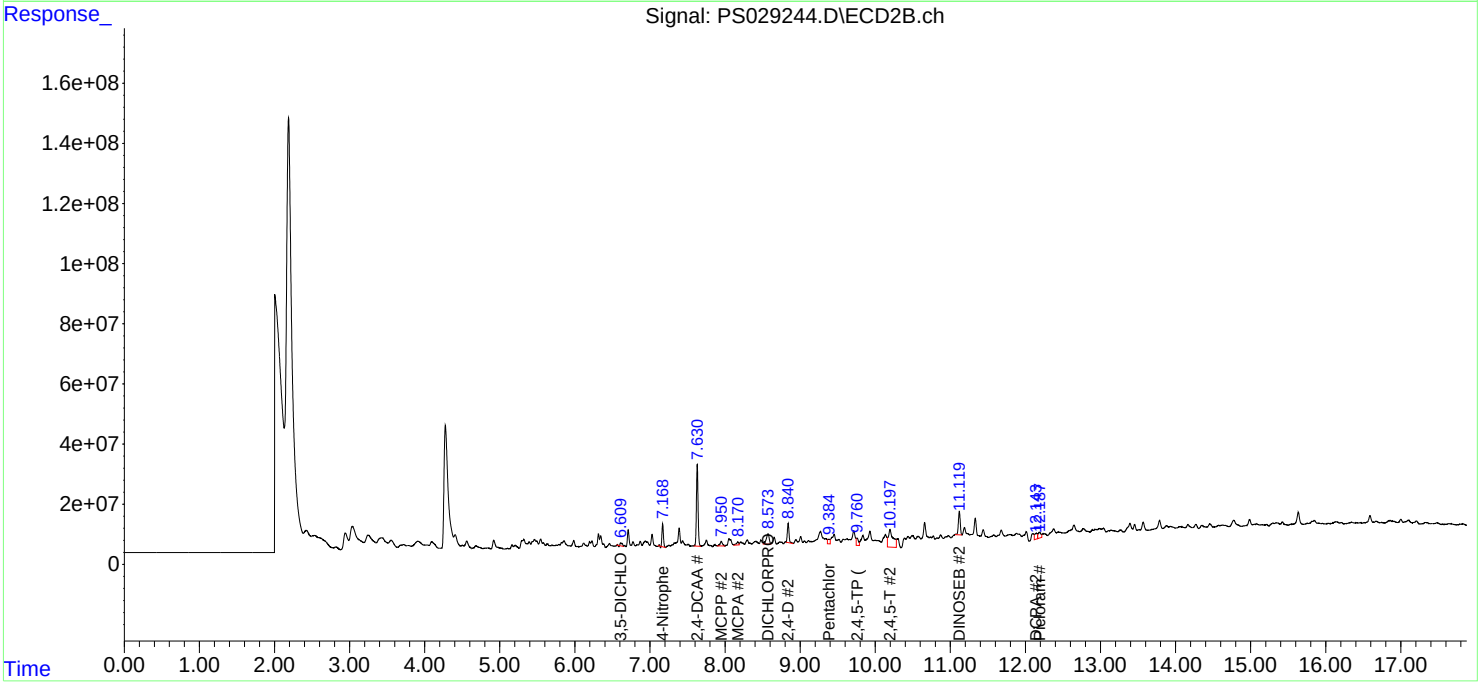
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Feb 2025 23:56
Operator : AR\AJ
Sample : Q1383-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

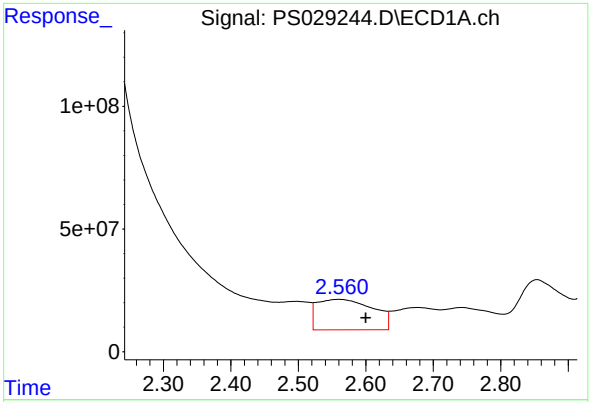
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



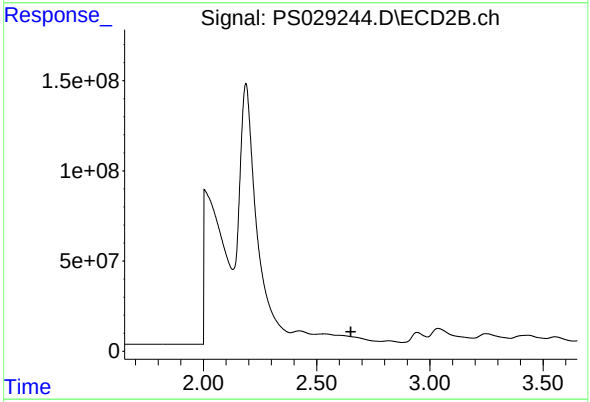




#1 Dalapon

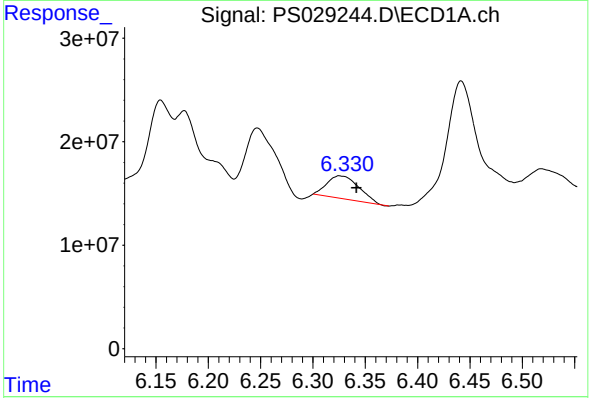
R.T.: 2.560 min
Delta R.T.: -0.040 min
Response: 714093988
Conc: 129.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725



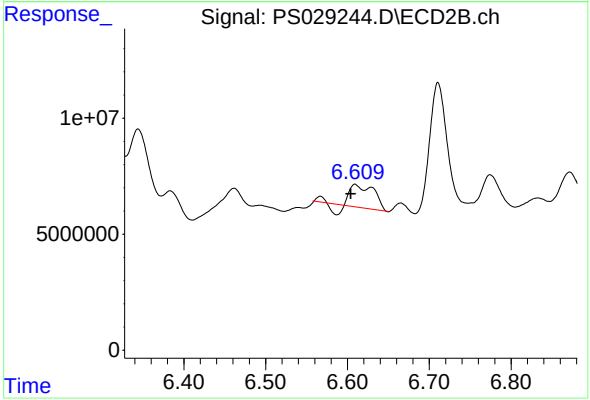
#1 Dalapon

R.T.: 0.000 min
Exp R.T. : 2.651 min
Response: 0
Conc: N.D.



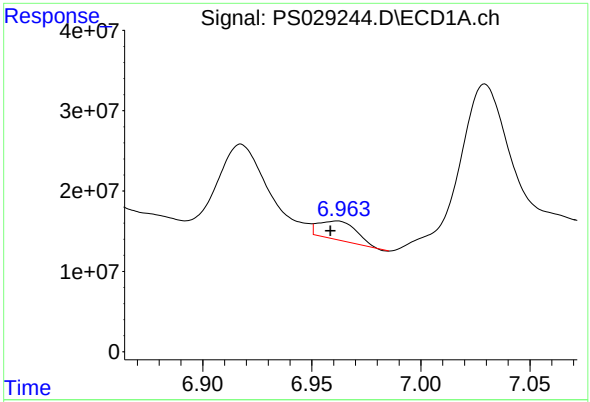
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.326 min
Delta R.T.: -0.015 min
Response: 46525192
Conc: 7.95 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

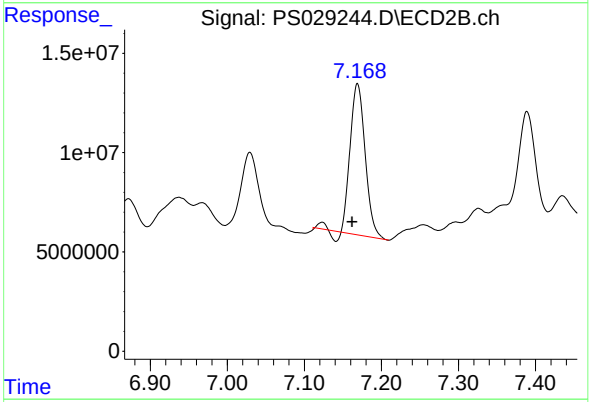
R.T.: 6.610 min
Delta R.T.: 0.005 min
Response: 17562716
Conc: 12.40 ng/ml



#3 4-Nitrophenol

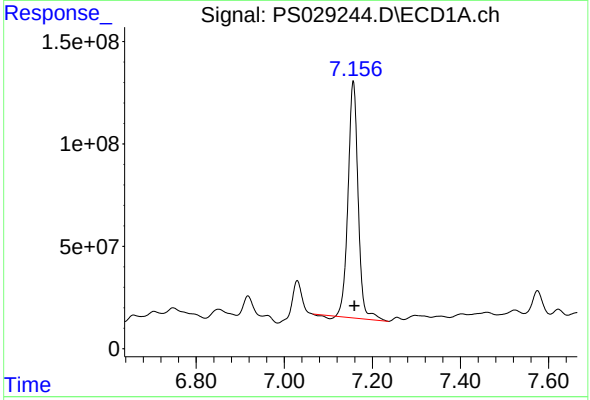
R.T.: 6.961 min
Delta R.T.: 0.002 min
Response: 28023000
Conc: 11.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725



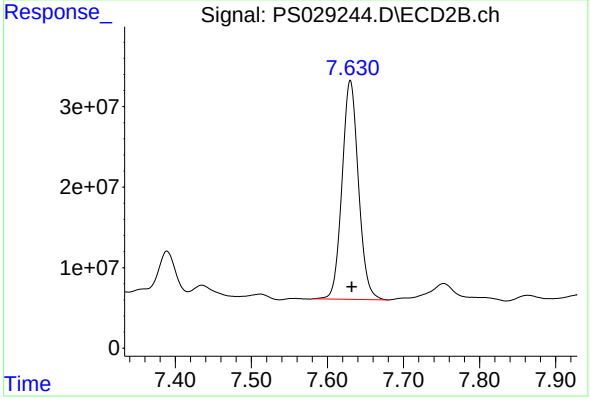
#3 4-Nitrophenol

R.T.: 7.169 min
Delta R.T.: 0.007 min
Response: 101170800
Conc: 126.85 ng/ml



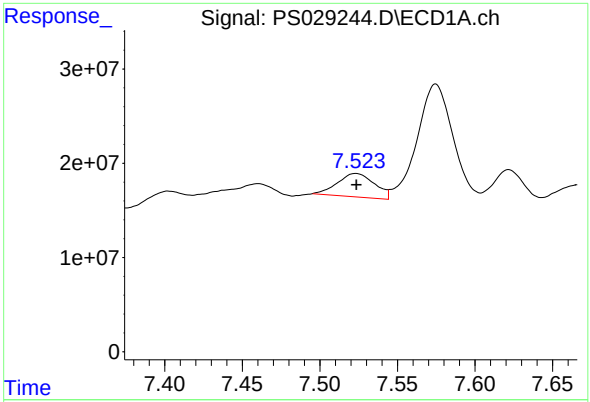
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 1831229873
Conc: 444.41 ng/ml



#4 2,4-DCAA

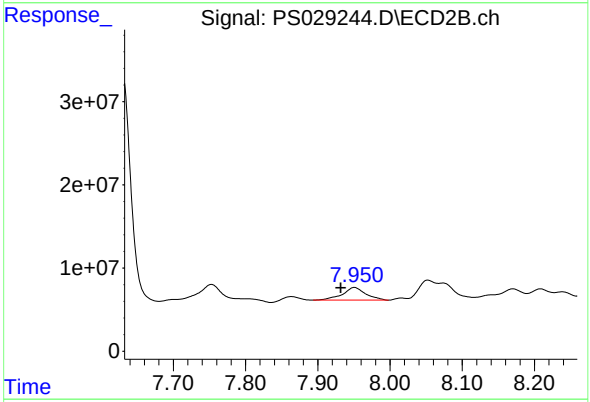
R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 407623726
Conc: 433.49 ng/ml



#6 MCPP

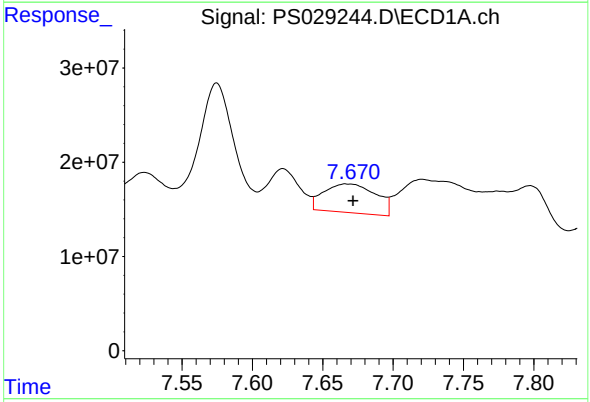
R.T.: 7.523 min
Delta R.T.: 0.000 min
Response: 41461175
Conc: 3.36 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725



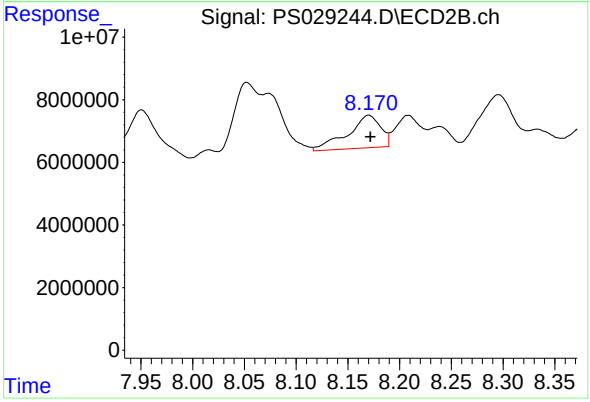
#6 MCPP

R.T.: 7.951 min
Delta R.T.: 0.019 min
Response: 34194404
Conc: 14.62 ug/ml



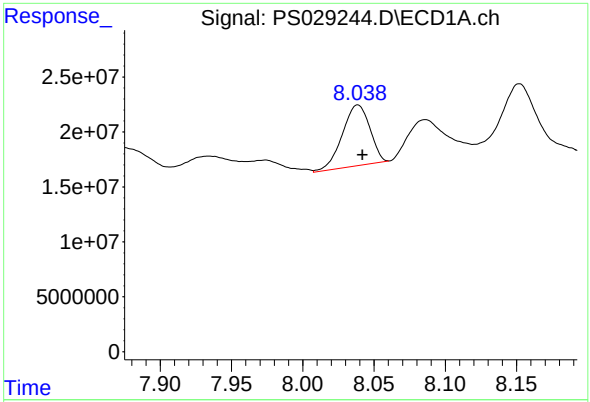
#7 MCPA

R.T.: 7.668 min
Delta R.T.: -0.004 min
Response: 78438048
Conc: 4.63 ug/ml



#7 MCPA

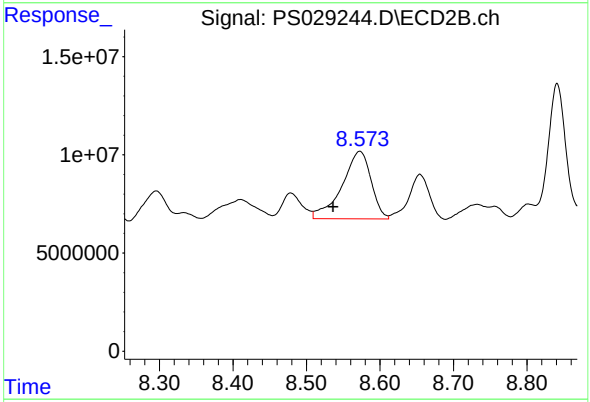
R.T.: 8.170 min
Delta R.T.: -0.002 min
Response: 23107153
Conc: 7.24 ug/ml



#8 DICHLORPROP

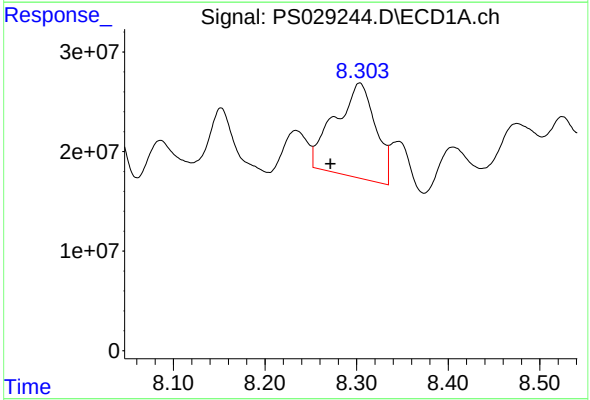
R.T.: 8.039 min
Delta R.T.: -0.003 min
Response: 74236058
Conc: 16.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725



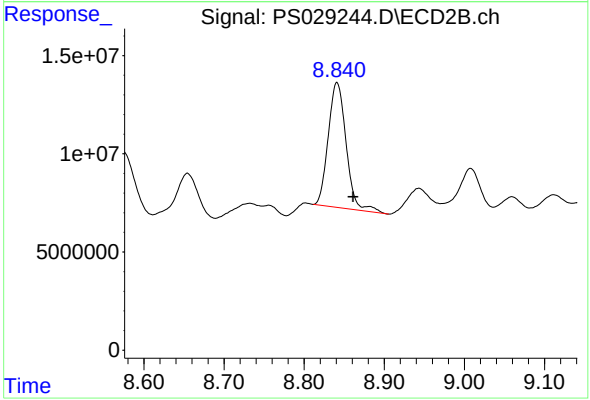
#8 DICHLORPROP

R.T.: 8.572 min
Delta R.T.: 0.036 min
Response: 94940736
Conc: 74.24 ng/ml



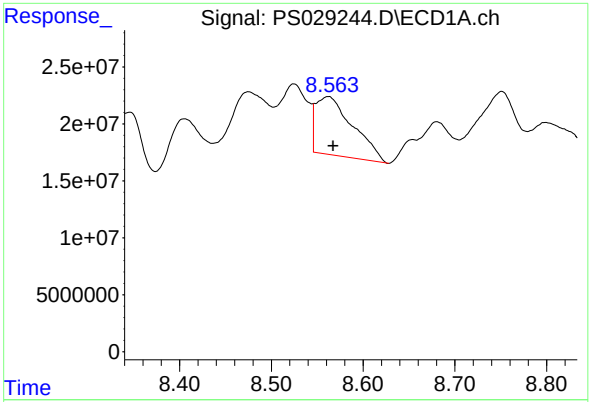
#9 2,4-D

R.T.: 8.303 min
Delta R.T.: 0.032 min
Response: 291227786
Conc: 61.31 ng/ml



#9 2,4-D

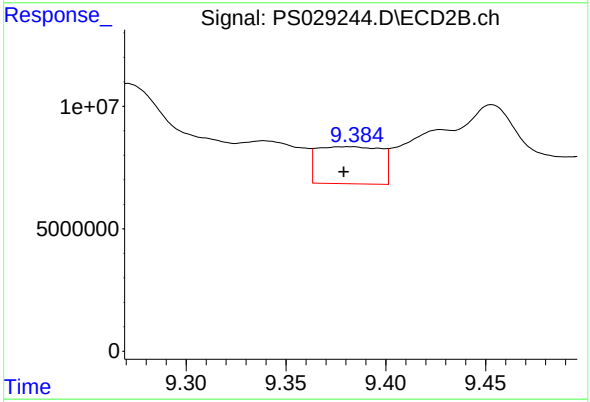
R.T.: 8.841 min
Delta R.T.: -0.020 min
Response: 98955203
Conc: 77.92 ng/ml



#10 Pentachlorophenol

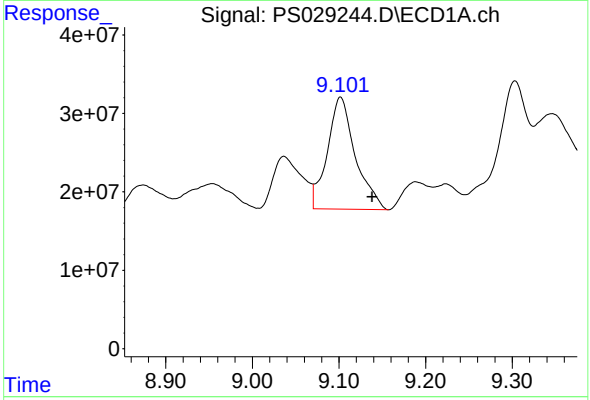
R.T.: 8.562 min
Delta R.T.: -0.005 min
Response: 143883013
Conc: 2.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725



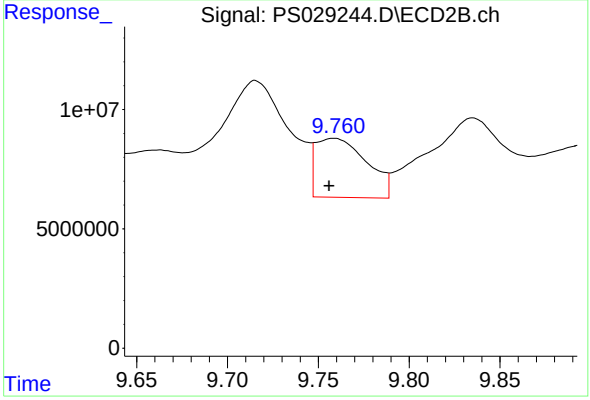
#10 Pentachlorophenol

R.T.: 9.381 min
Delta R.T.: 0.002 min
Response: 33587101
Conc: 1.46 ng/ml



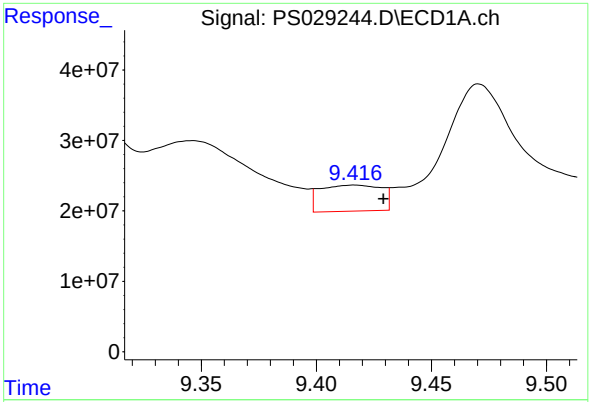
#11 2,4,5-TP (SILVEX)

R.T.: 9.102 min
Delta R.T.: -0.037 min
Response: 320613820
Conc: 13.04 ng/ml



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

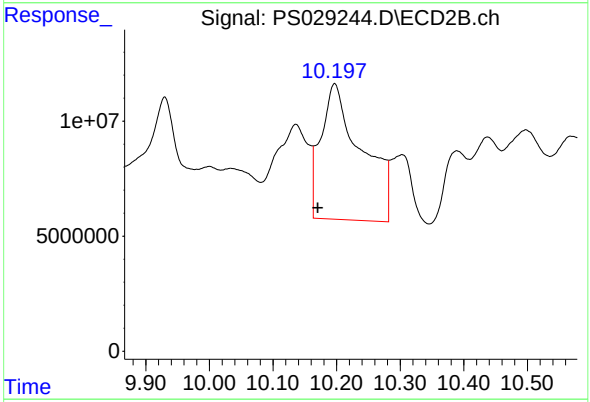
R.T.: 9.758 min
Delta R.T.: 0.002 min
Response: 48157554
Conc: 5.33 ng/ml



#12 2,4,5-T

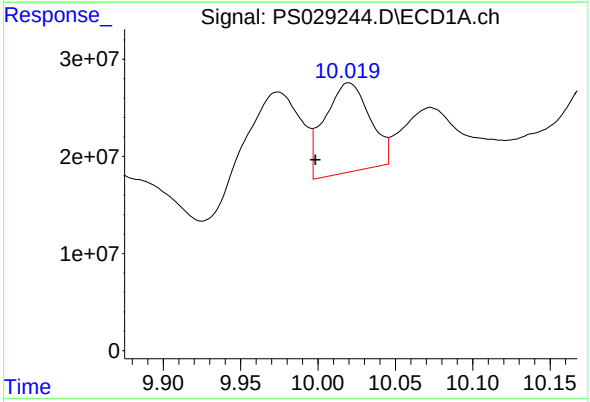
R.T.: 9.416 min
Delta R.T.: -0.013 min
Response: 68525603
Conc: 2.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725



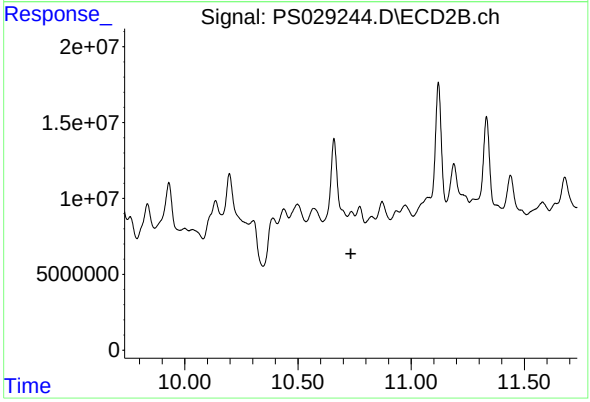
#12 2,4,5-T

R.T.: 10.197 min
Delta R.T.: 0.027 min
Response: 262255555
Conc: 31.94 ng/ml



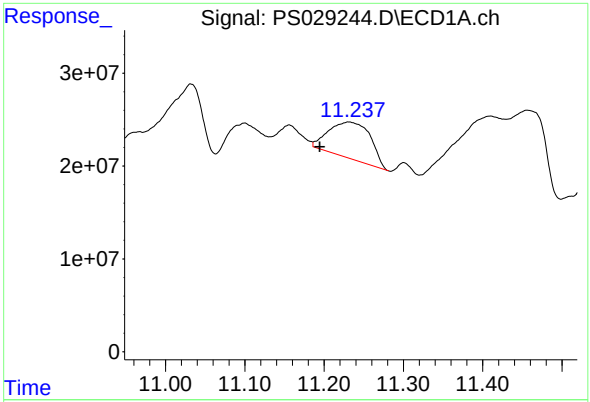
#13 2,4-DB

R.T.: 10.020 min
Delta R.T.: 0.022 min
Response: 187054595
Conc: 44.80 ng/ml



#13 2,4-DB

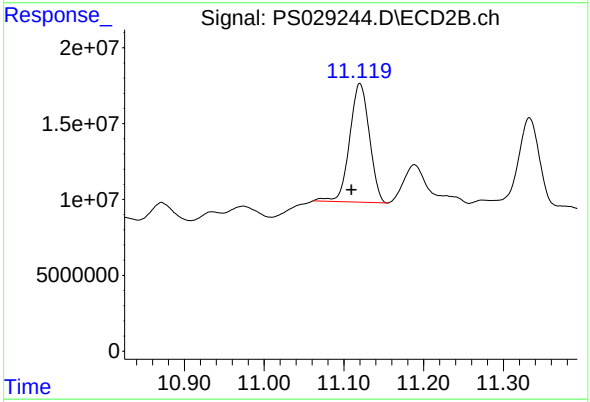
R.T.: 10.736 min
Delta R.T.: 0.002 min
Response: -172644
Conc: N.D.



#14 DINOSEB

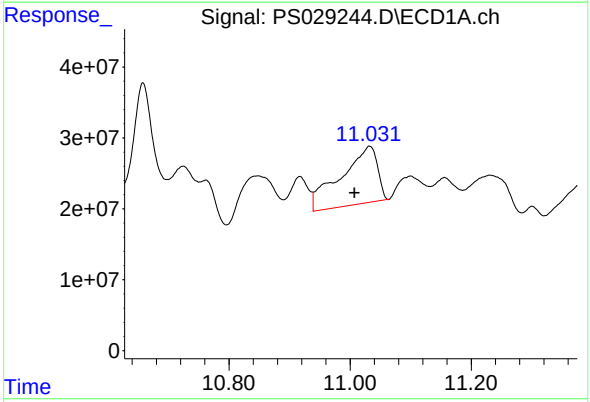
R.T.: 11.231 min
Delta R.T.: 0.037 min
Response: 138900671
Conc: 8.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725



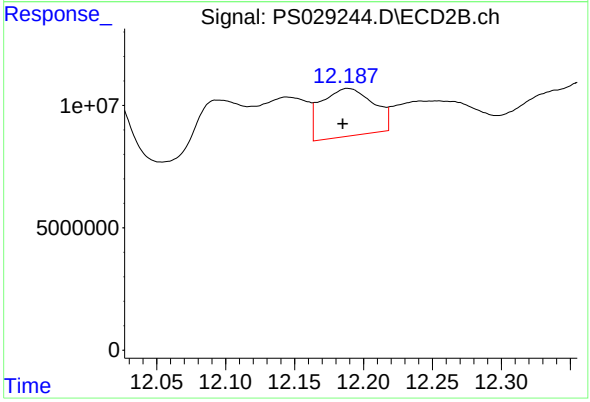
#14 DINOSEB

R.T.: 11.120 min
Delta R.T.: 0.011 min
Response: 133940255
Conc: 22.10 ng/ml



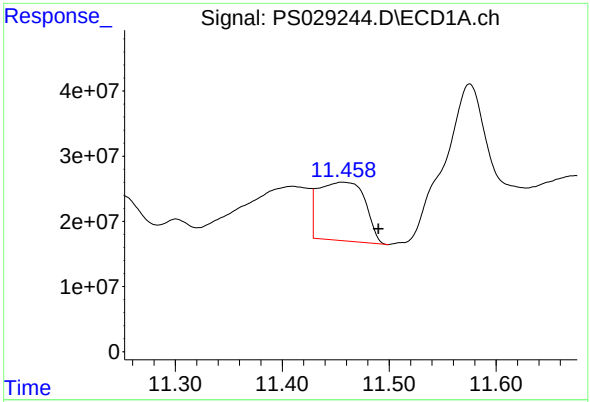
#15 Picloram

R.T.: 11.032 min
Delta R.T.: 0.025 min
Response: 338414112
Conc: 11.08 ng/ml



#15 Picloram

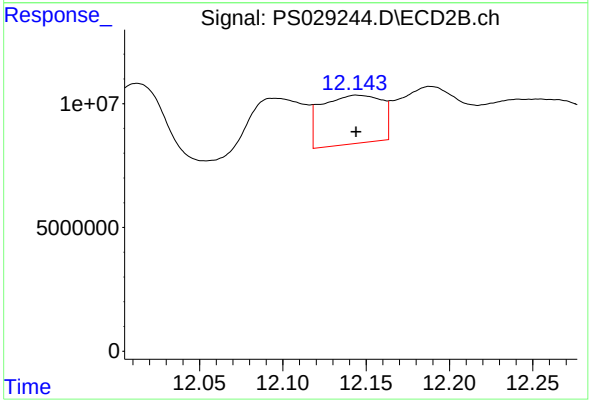
R.T.: 12.189 min
Delta R.T.: 0.004 min
Response: 51446399
Conc: 4.45 ng/ml



#16 DCPA

R.T.: 11.457 min
Delta R.T.: -0.033 min
Response: 271747139
Conc: 9.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-14-021725



#16 DCPA

R.T.: 12.146 min
Delta R.T.: 0.002 min
Response: 49225879
Conc: 4.16 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029245.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 00:20
Operator : AR\AJ
Sample : Q1383-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.630	1990.8E6	419.0E6	483.147	445.574	
	Target Compounds							
1) T	Dalapon	2.562f	0.000	683.7E6	0	123.849	N.D.	#
2) T	3,5-DICHL...	6.324	6.609	37072177	13738212	6.336	9.701	#
3) T	4-Nitroph...	6.963	7.170	10256686	42329464	4.383	53.074	#
5) T	DICAMBA	7.354	7.863f	23280457	9453028	1.341	1.834	#
6) T	MCPP	7.526	7.953	52813581	31607624	4.285	13.512	#
7) T	MCPA	7.667	8.172	75395058	18484230	4.449	5.795	#
8) T	DICHLORPROP	8.039	8.573f	64703598	103.1E6	14.077	80.656	#
9) T	2,4-D	8.303f	8.841	270.1E6	78138102	56.853	61.531	
10) T	Pentachlo...	8.564	9.341f	113.0E6	46891461	1.936	2.038	
11) T	2,4,5-TP ...	9.102f	9.761	261.8E6	45911897	10.646	5.081	#
12) T	2,4,5-T	9.416	10.199f	78818214	236.7E6	3.092	28.830	#
13) T	2,4-DB	10.021	10.739	222.9E6	2012999	53.395	2.629	#
14) T	DINOSEB	11.227f	11.118	90674760	57633109	5.452	9.508	#
15) T	Picloram	11.034f	12.187	272.2E6	22880436	8.913	1.979	#
16) T	DCPA	11.466	12.143	193.6E6	38282867	6.453	3.234	#

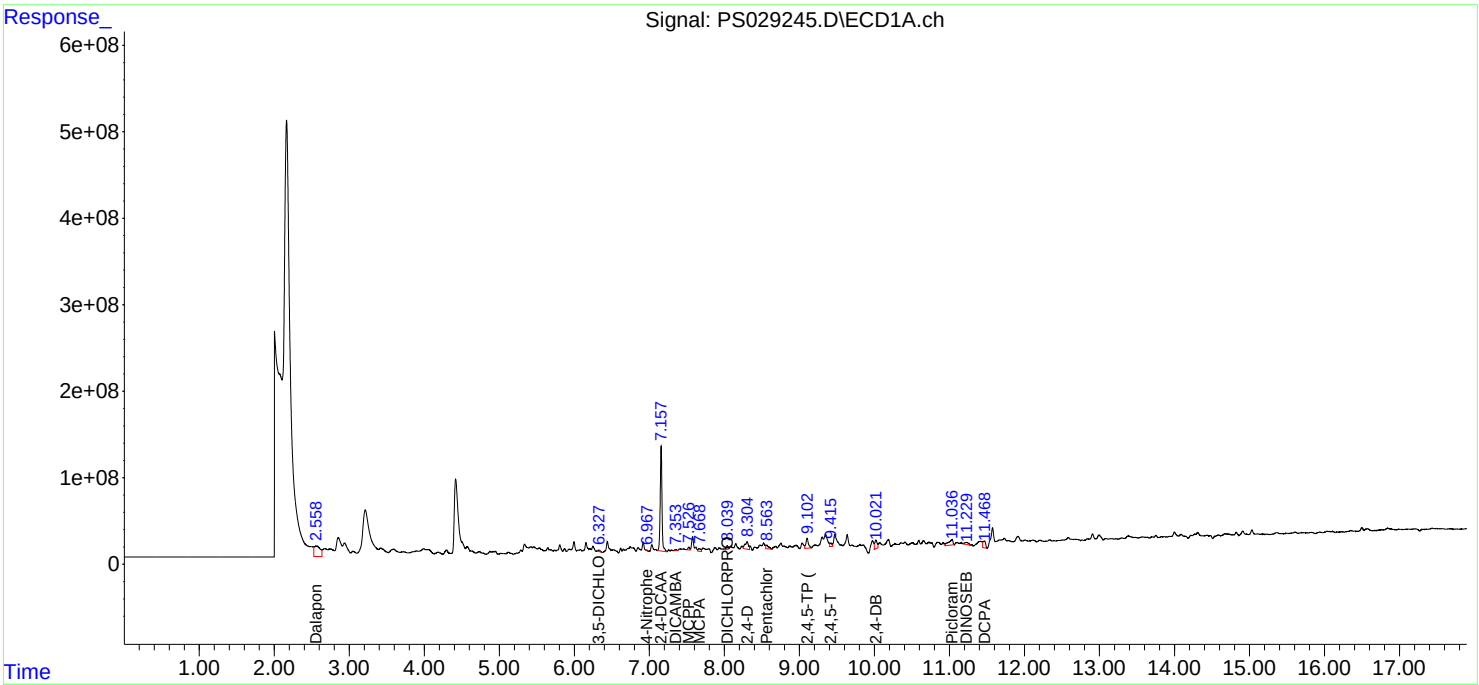
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

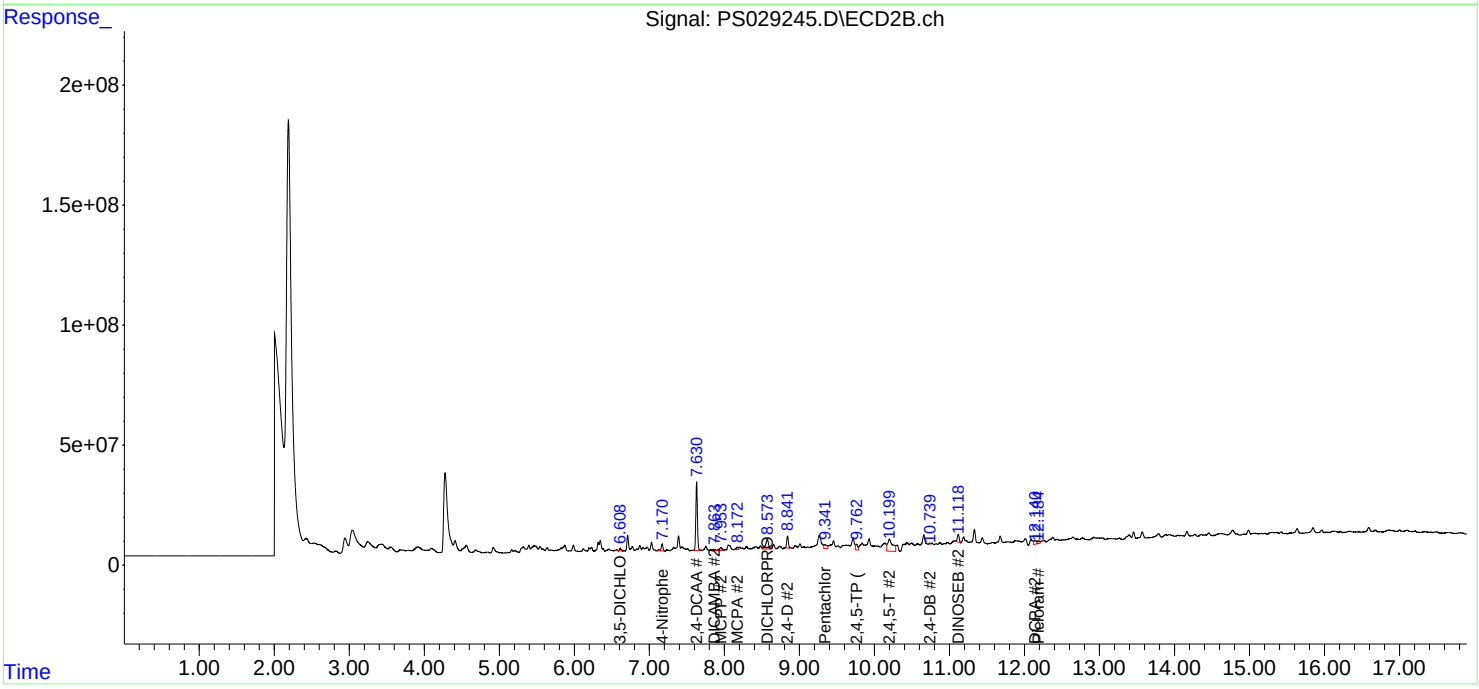
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029245.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 00:20
Operator : AR\AJ
Sample : Q1383-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

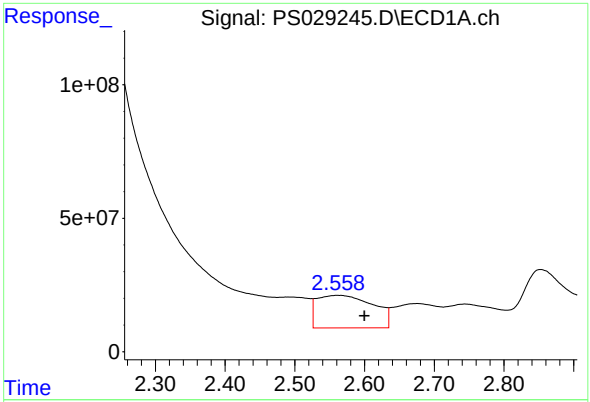
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



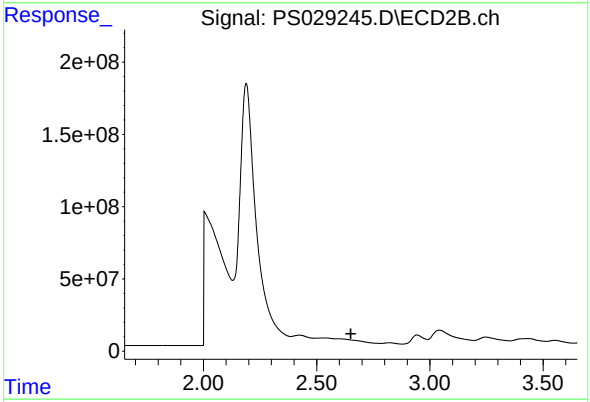




#1 Dalapon

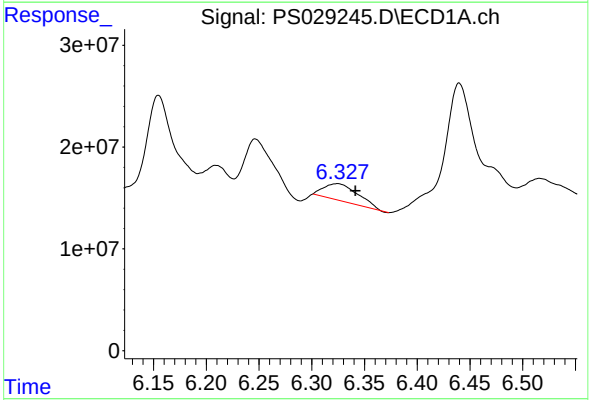
R.T.: 2.562 min
Delta R.T.: -0.038 min
Response: 683681720
Conc: 123.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725



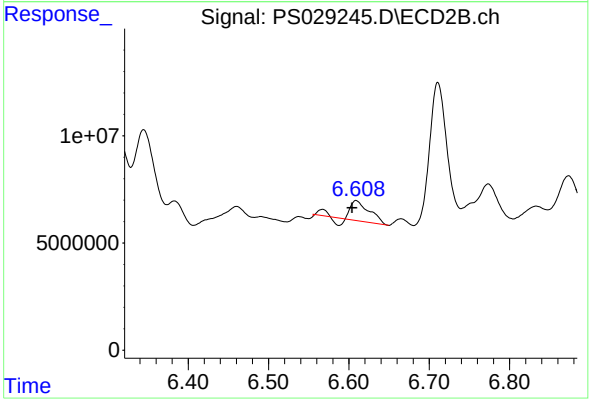
#1 Dalapon

R.T.: 0.000 min
Exp R.T. : 2.651 min
Response: 0
Conc: N.D.



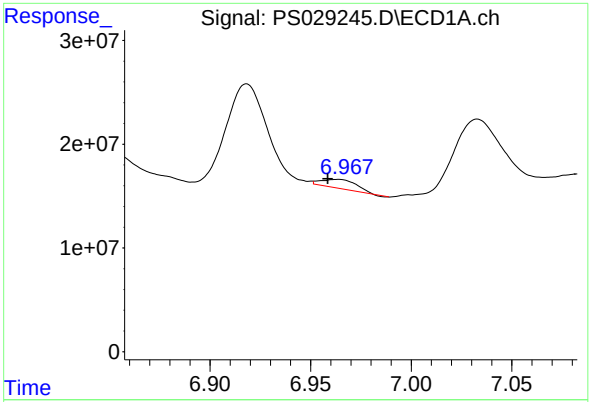
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.324 min
Delta R.T.: -0.017 min
Response: 37072177
Conc: 6.34 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

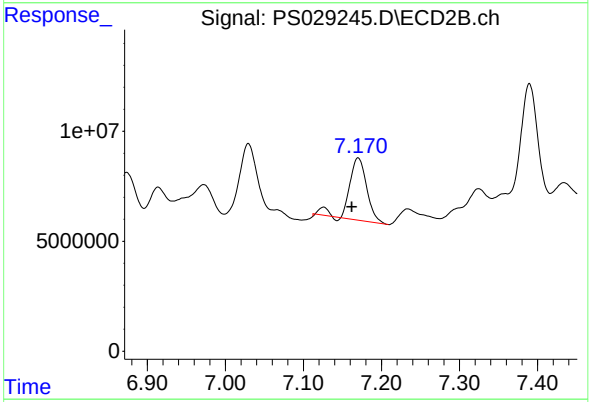
R.T.: 6.609 min
Delta R.T.: 0.005 min
Response: 13738212
Conc: 9.70 ng/ml



#3 4-Nitrophenol

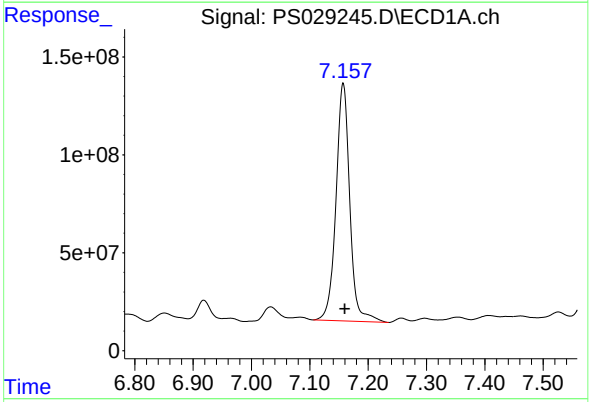
R.T.: 6.963 min
Delta R.T.: 0.004 min
Response: 10256686
Conc: 4.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725



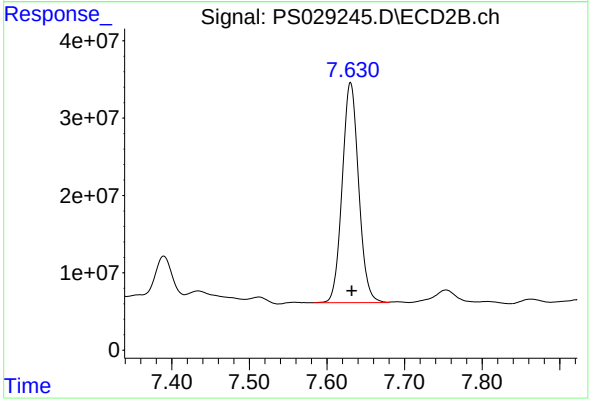
#3 4-Nitrophenol

R.T.: 7.170 min
Delta R.T.: 0.008 min
Response: 42329464
Conc: 53.07 ng/ml



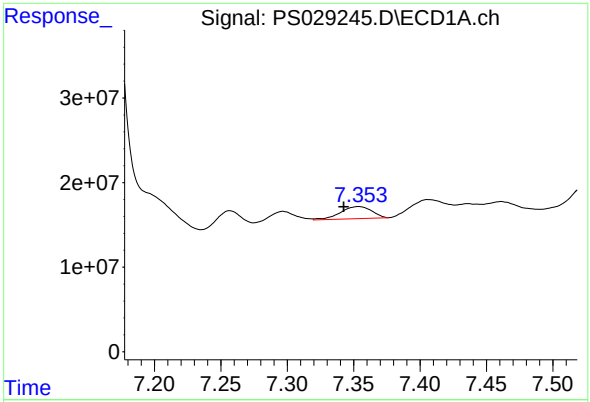
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 1990844028
Conc: 483.15 ng/ml



#4 2,4-DCAA

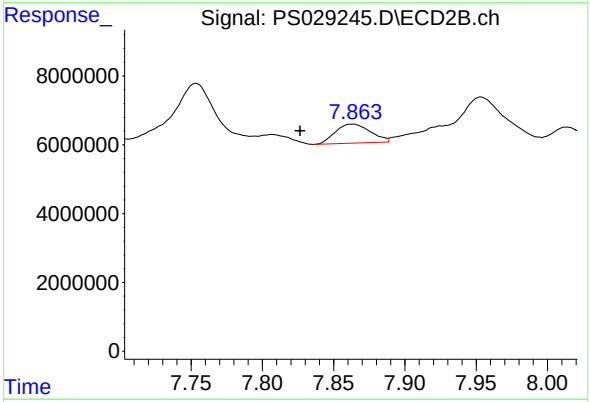
R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 418988256
Conc: 445.57 ng/ml



#5 DICAMBA

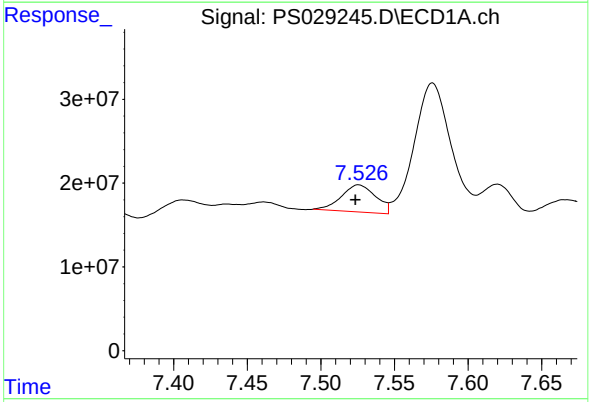
R.T.: 7.354 min
Delta R.T.: 0.011 min
Response: 23280457
Conc: 1.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725



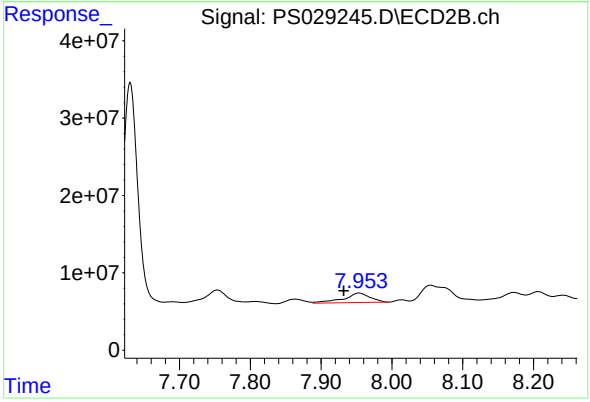
#5 DICAMBA

R.T.: 7.863 min
Delta R.T.: 0.037 min
Response: 9453028
Conc: 1.83 ng/ml



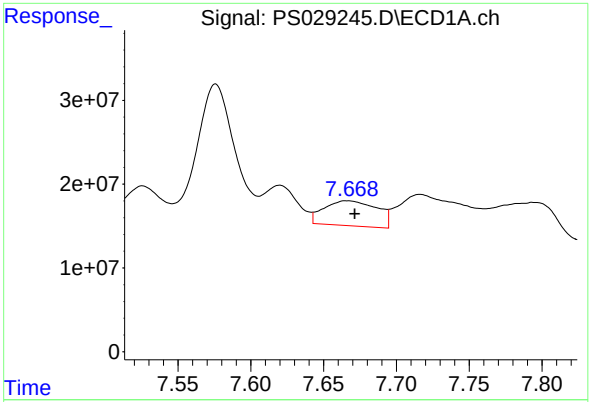
#6 MCPP

R.T.: 7.526 min
Delta R.T.: 0.002 min
Response: 52813581
Conc: 4.28 ug/ml



#6 MCPP

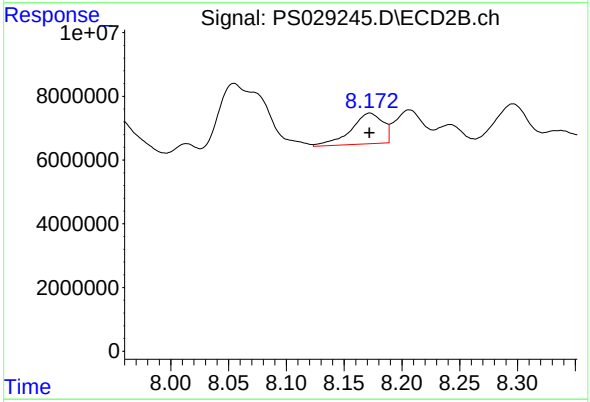
R.T.: 7.953 min
Delta R.T.: 0.021 min
Response: 31607624
Conc: 13.51 ug/ml



#7 MCPA

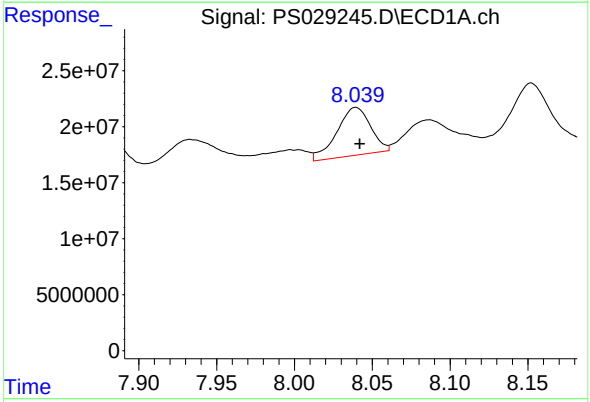
R.T.: 7.667 min
Delta R.T.: -0.005 min
Response: 75395058
Conc: 4.45 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725



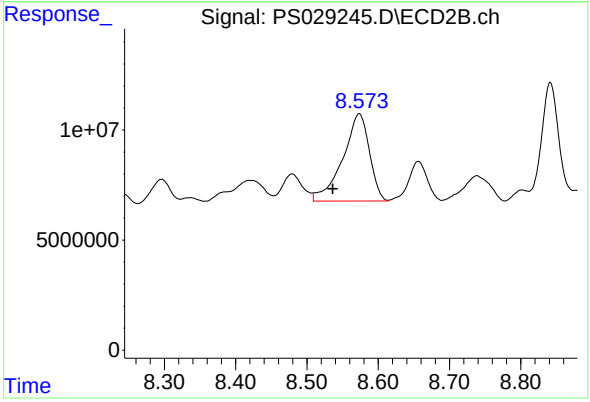
#7 MCPA

R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 18484230
Conc: 5.79 ug/ml



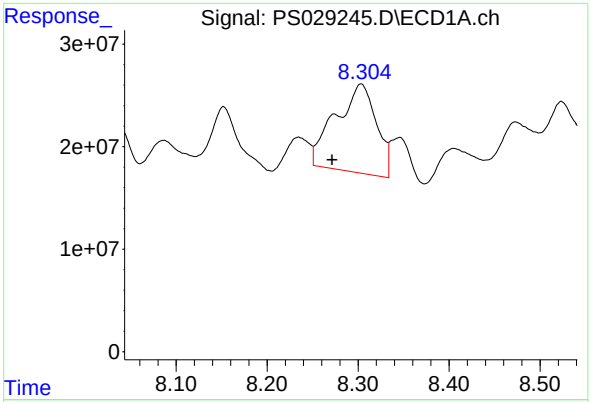
#8 DICHLORPROP

R.T.: 8.039 min
Delta R.T.: -0.002 min
Response: 64703598
Conc: 14.08 ng/ml



#8 DICHLORPROP

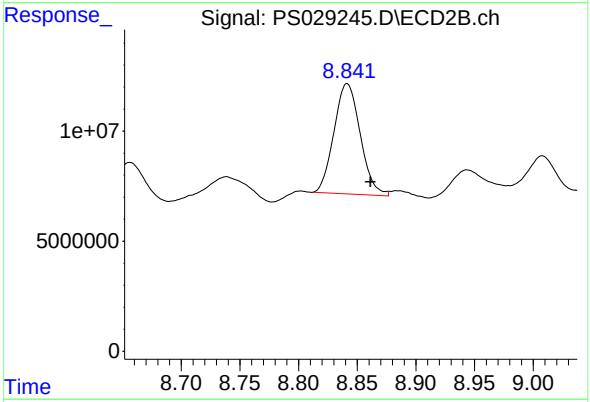
R.T.: 8.573 min
Delta R.T.: 0.037 min
Response: 103139225
Conc: 80.66 ng/ml



#9 2,4-D

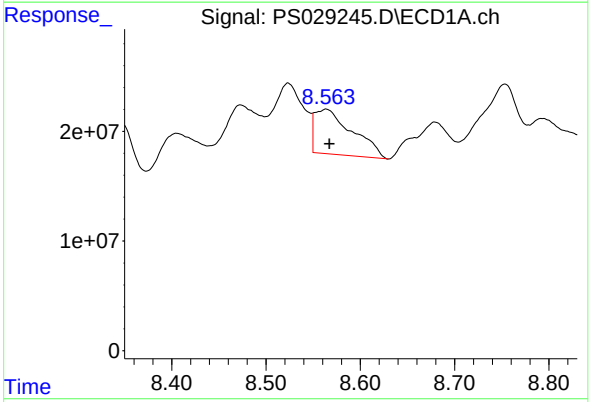
R.T.: 8.303 min
Delta R.T.: 0.032 min
Response: 270078125
Conc: 56.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725



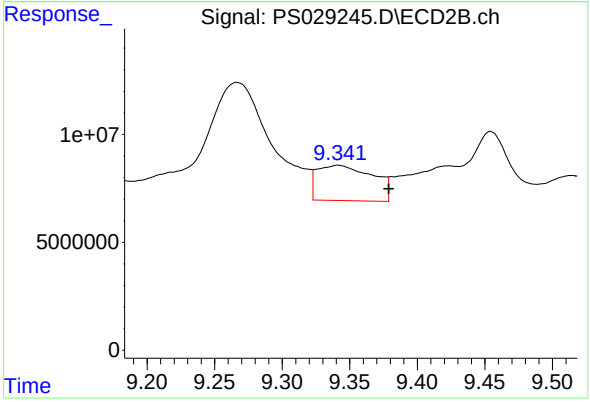
#9 2,4-D

R.T.: 8.841 min
Delta R.T.: -0.020 min
Response: 78138102
Conc: 61.53 ng/ml



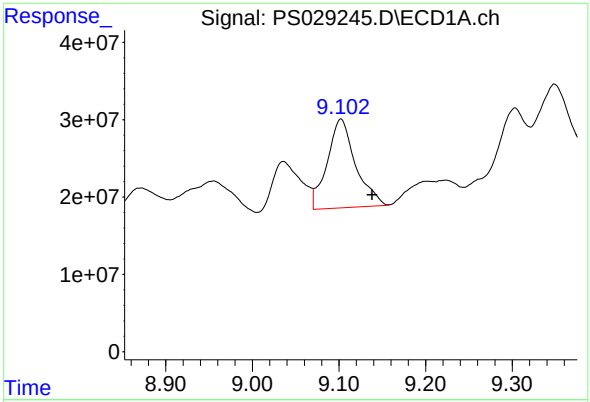
#10 Pentachlorophenol

R.T.: 8.564 min
Delta R.T.: -0.003 min
Response: 112996439
Conc: 1.94 ng/ml



#10 Pentachlorophenol

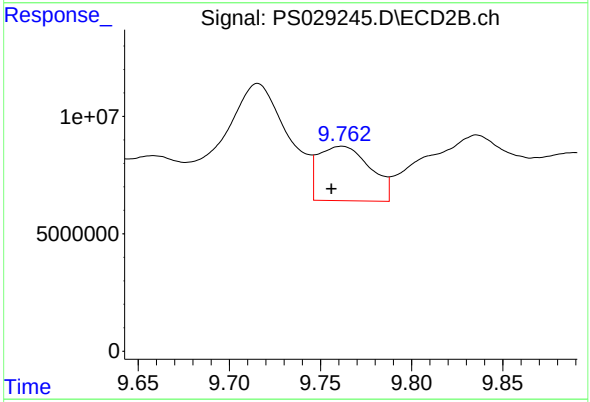
R.T.: 9.341 min
Delta R.T.: -0.037 min
Response: 46891461
Conc: 2.04 ng/ml



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

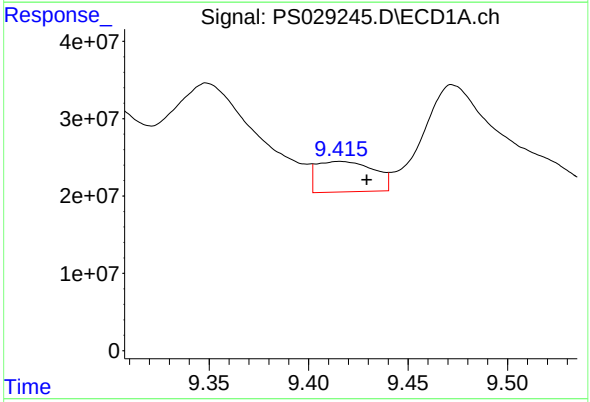
R.T.: 9.102 min
Delta R.T.: -0.036 min
Response: 261752949
Conc: 10.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725



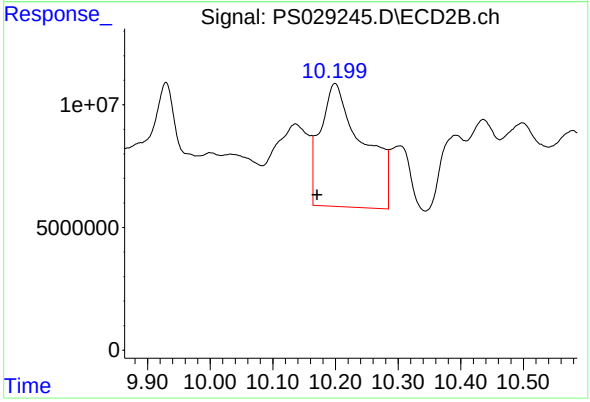
#11 2,4,5-TP (SILVEX)

R.T.: 9.761 min
Delta R.T.: 0.005 min
Response: 45911897
Conc: 5.08 ng/ml



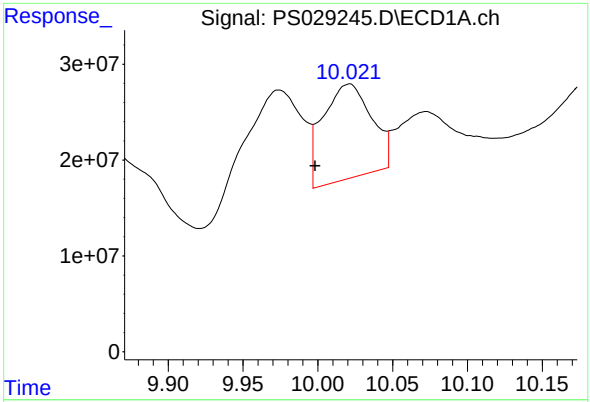
#12 2,4,5-T

R.T.: 9.416 min
Delta R.T.: -0.013 min
Response: 78818214
Conc: 3.09 ng/ml



#12 2,4,5-T

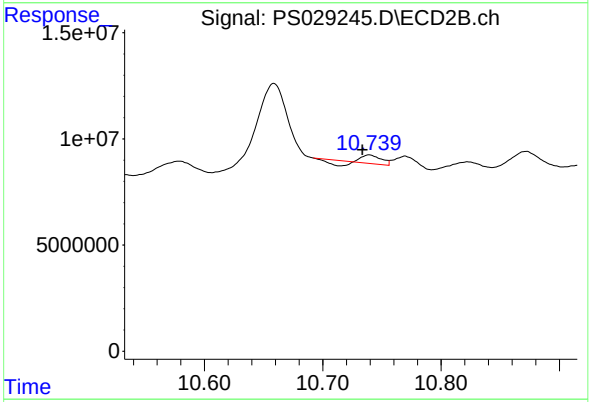
R.T.: 10.199 min
Delta R.T.: 0.029 min
Response: 236705572
Conc: 28.83 ng/ml



#13 2,4-DB

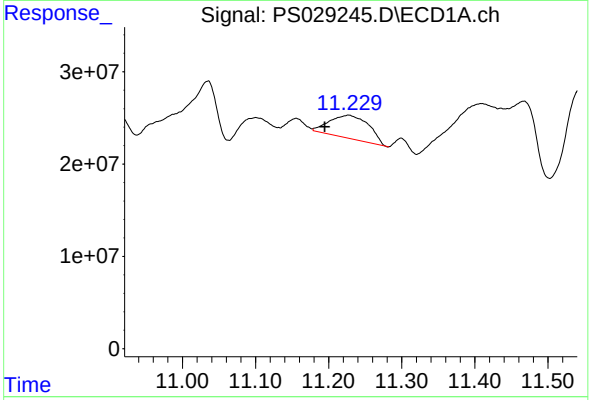
R.T.: 10.021 min
Delta R.T.: 0.022 min
Response: 222945209
Conc: 53.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725



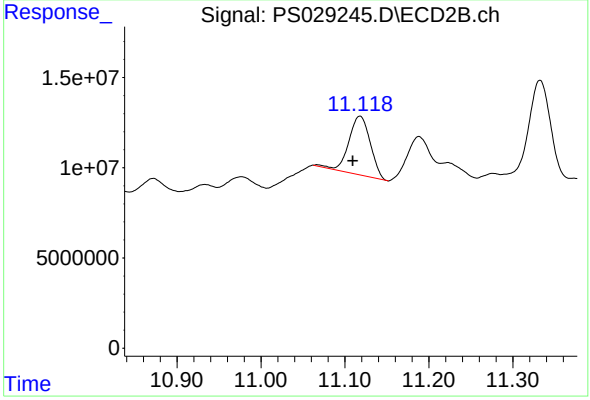
#13 2,4-DB

R.T.: 10.739 min
Delta R.T.: 0.006 min
Response: 2012999
Conc: 2.63 ng/ml



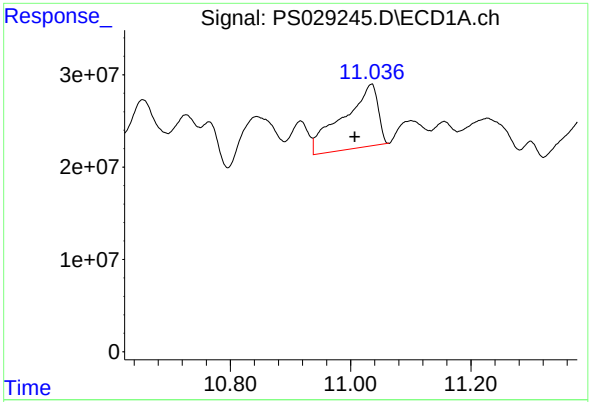
#14 DINOSEB

R.T.: 11.227 min
Delta R.T.: 0.033 min
Response: 90674760
Conc: 5.45 ng/ml



#14 DINOSEB

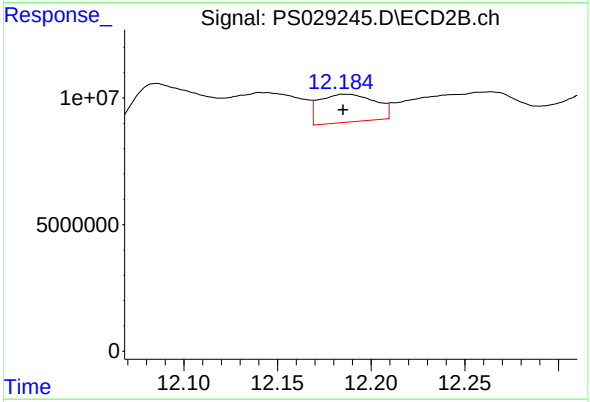
R.T.: 11.118 min
Delta R.T.: 0.008 min
Response: 57633109
Conc: 9.51 ng/ml



#15 Picloram

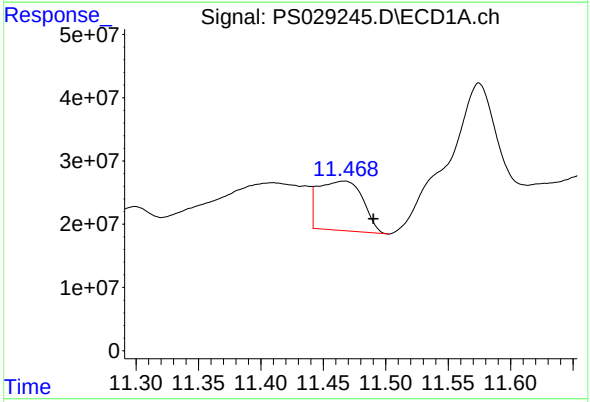
R.T.: 11.034 min
Delta R.T.: 0.027 min
Response: 272222812
Conc: 8.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-15-021725



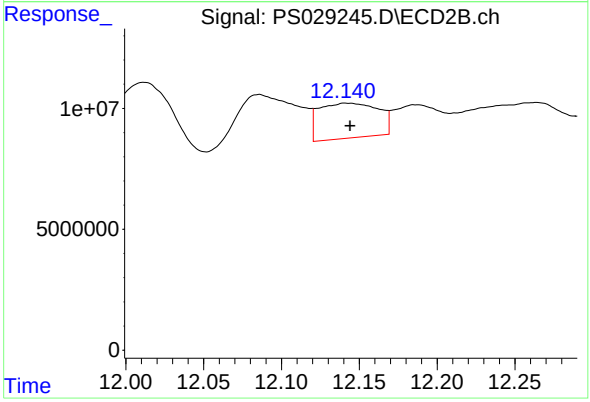
#15 Picloram

R.T.: 12.187 min
Delta R.T.: 0.002 min
Response: 22880436
Conc: 1.98 ng/ml



#16 DCPA

R.T.: 11.466 min
Delta R.T.: -0.024 min
Response: 193622563
Conc: 6.45 ng/ml



#16 DCPA

R.T.: 12.143 min
Delta R.T.: -0.001 min
Response: 38282867
Conc: 3.23 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 00:44
Operator : AR\AJ
Sample : Q1383-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:14:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.630	2306.0E6	484.2E6	559.634	514.872	
		Target Compounds							
1)	T	Dalapon	2.563f	0.000	723.2E6	0	131.011	N.D.	#
2)	T	3,5-DICHL...	6.326	6.609	41550025	37044247	7.101	26.159	#
3)	T	4-Nitroph...	6.963	7.170	23249214	28582101	9.935	35.837	#
5)	T	DICAMBA	7.355	7.864f	14107389	11974725	<MDL	2.324	#
6)	T	MCPP	7.526	7.922	57071760	7424615	4.630	3.174	#
7)	T	MCPA	7.672	8.172	61774905	12248344	3.646	3.840	
8)	T	DICHLORPROP	8.042	8.569f	36430966	112.8E6	7.926	88.181	#
9)	T	2,4-D	8.305f	8.840	317.2E6	57560743	66.783	45.327	#
10)	T	Pentachlo...	8.560	9.341f	151.6E6	47014721	2.598	2.043	
11)	T	2,4,5-TP ...	9.102f	9.764	231.2E6	61290587	9.404	6.782	#
12)	T	2,4,5-T	9.418	10.198f	82238056	202.0E6	3.226	24.601	#
13)	T	2,4-DB	10.021	10.738	259.7E6	-2320243	62.196	N.D.	#
14)	T	DINOSEB	11.231f	11.117	50758071	113.5E6	3.052	18.732	#
15)	T	Picloram	11.036f	12.186	329.1E6	30417500	10.776	2.631	#
16)	T	DCPA	11.463f	12.146	281.5E6	48864530	9.381	4.128	#

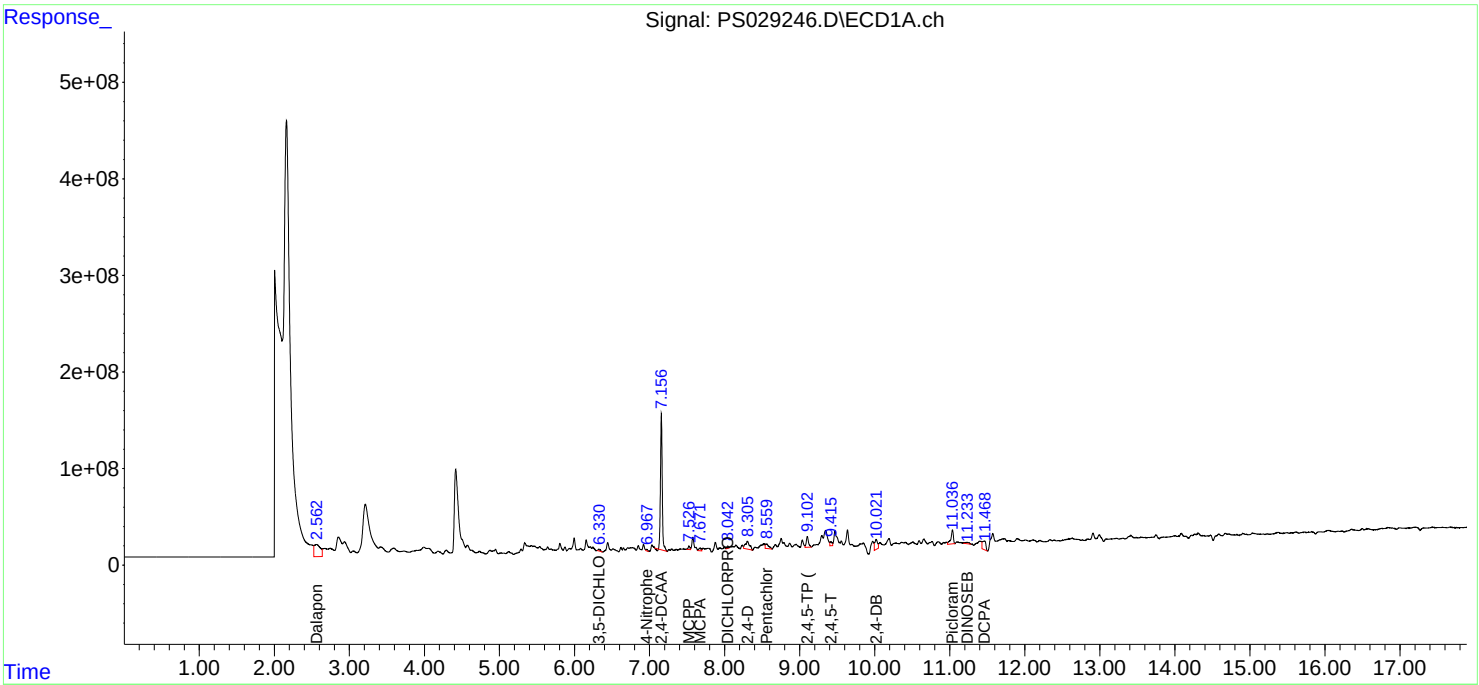
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

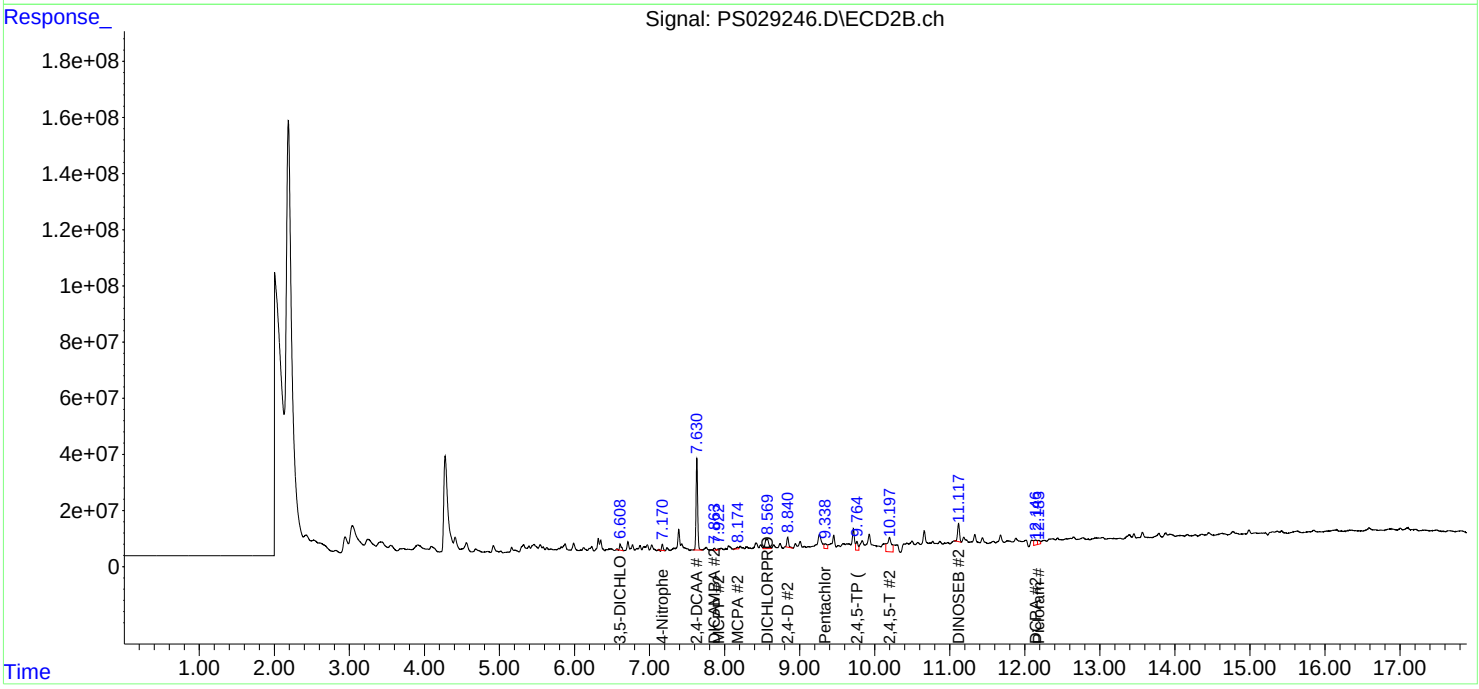
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 00:44
Operator : AR\AJ
Sample : Q1383-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

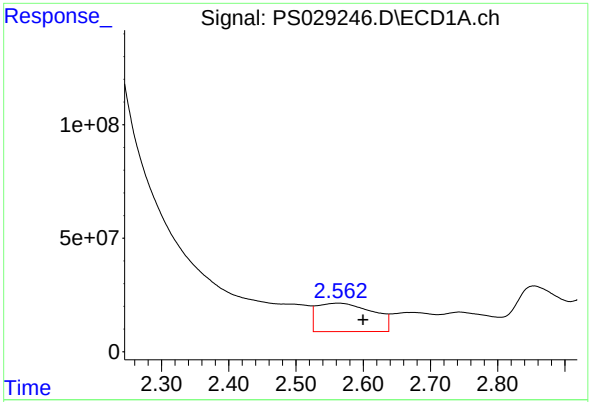
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:14:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



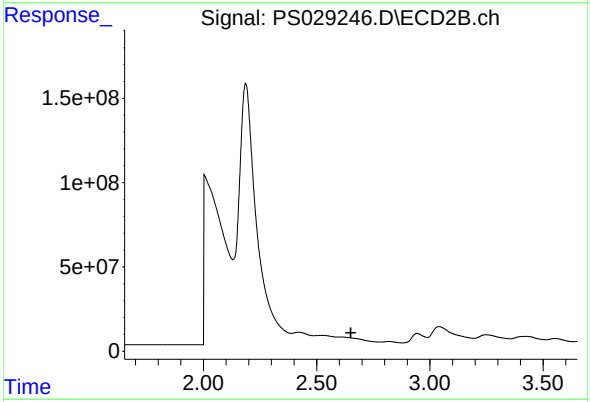




#1 Dalapon

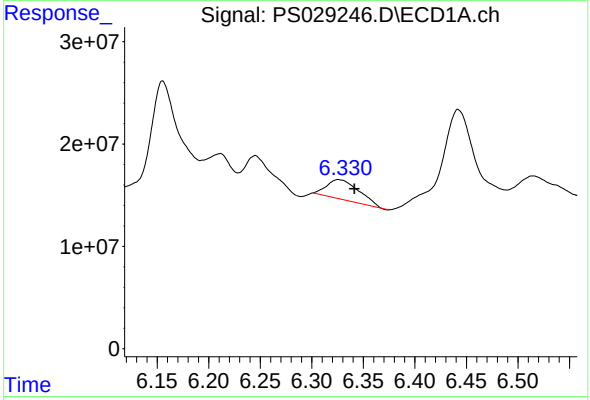
R.T.: 2.563 min
Delta R.T.: -0.037 min
Response: 723220108
Conc: 131.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725



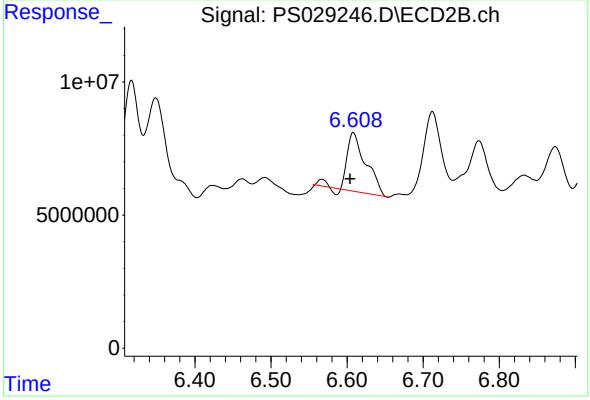
#1 Dalapon

R.T.: 0.000 min
Exp R.T. : 2.651 min
Response: 0
Conc: N.D.



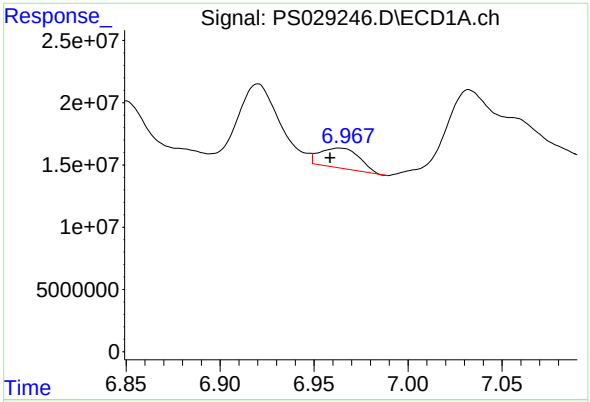
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.326 min
Delta R.T.: -0.015 min
Response: 41550025
Conc: 7.10 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

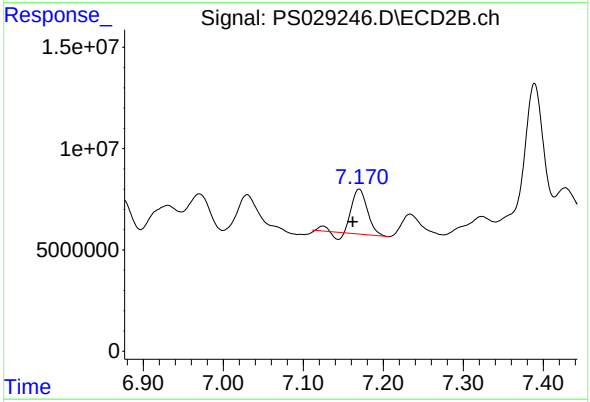
R.T.: 6.609 min
Delta R.T.: 0.004 min
Response: 37044247
Conc: 26.16 ng/ml



#3 4-Nitrophenol

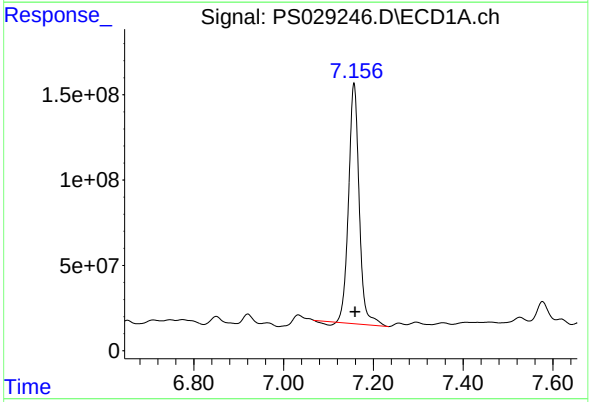
R.T.: 6.963 min
Delta R.T.: 0.005 min
Response: 23249214
Conc: 9.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725



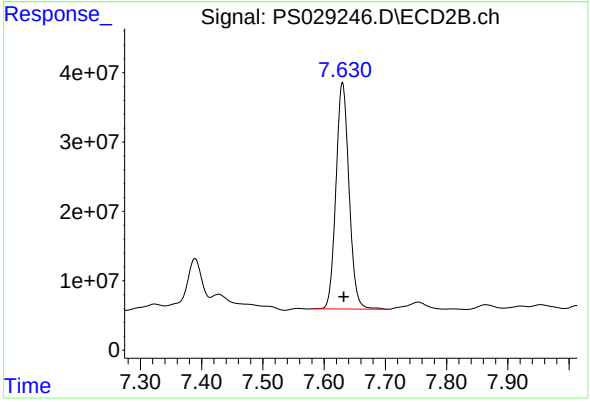
#3 4-Nitrophenol

R.T.: 7.170 min
Delta R.T.: 0.008 min
Response: 28582101
Conc: 35.84 ng/ml



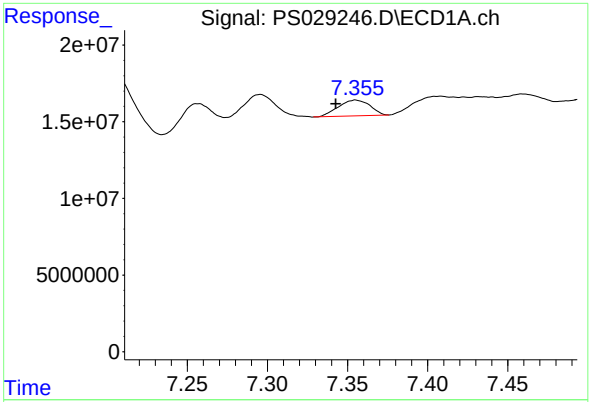
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 2306017184
Conc: 559.63 ng/ml



#4 2,4-DCAA

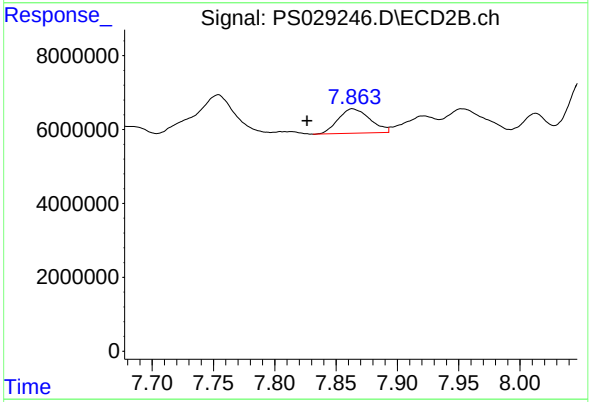
R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 484151365
Conc: 514.87 ng/ml



#5 DICAMBA

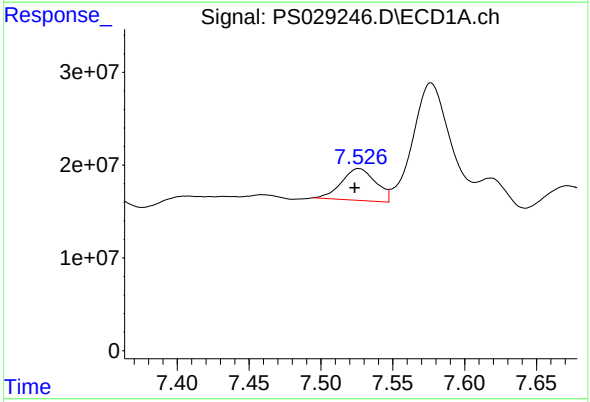
R.T.: 7.355 min
Delta R.T.: 0.013 min
Response: 14107389
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725



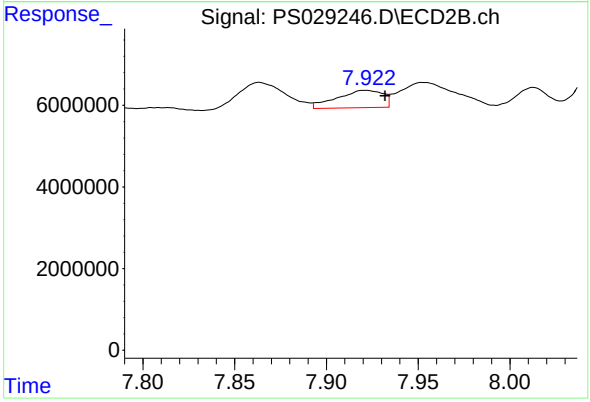
#5 DICAMBA

R.T.: 7.864 min
Delta R.T.: 0.037 min
Response: 11974725
Conc: 2.32 ng/ml



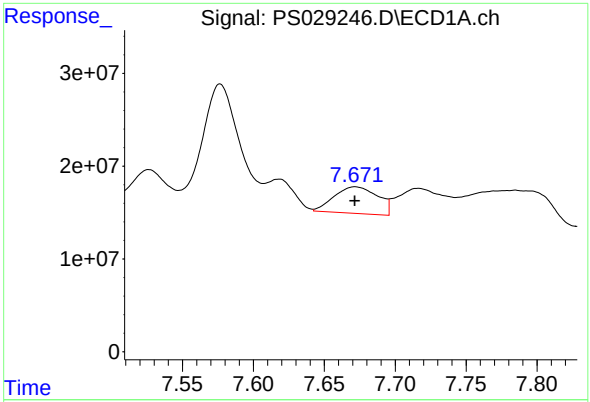
#6 MCPP

R.T.: 7.526 min
Delta R.T.: 0.003 min
Response: 57071760
Conc: 4.63 ug/ml



#6 MCPP

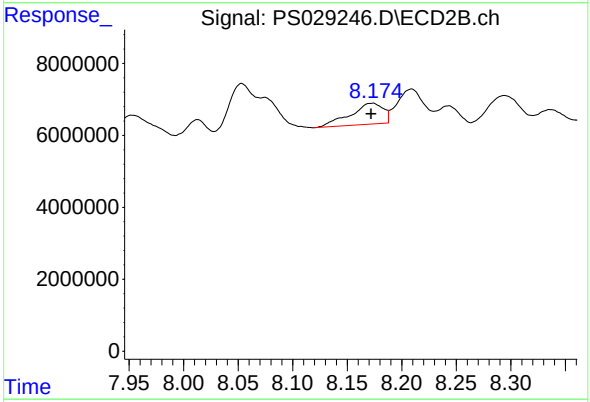
R.T.: 7.922 min
Delta R.T.: -0.010 min
Response: 7424615
Conc: 3.17 ug/ml



#7 MCPA

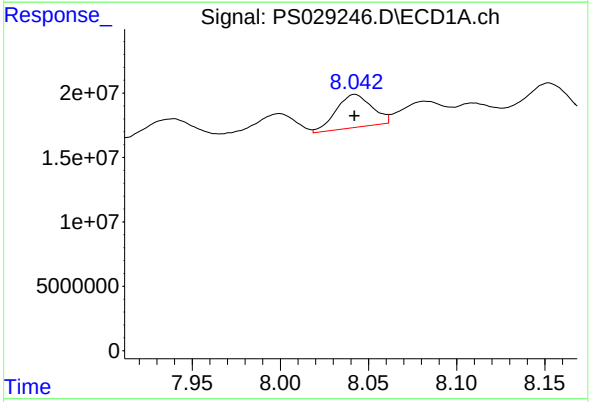
R.T.: 7.672 min
Delta R.T.: 0.000 min
Response: 61774905
Conc: 3.65 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725



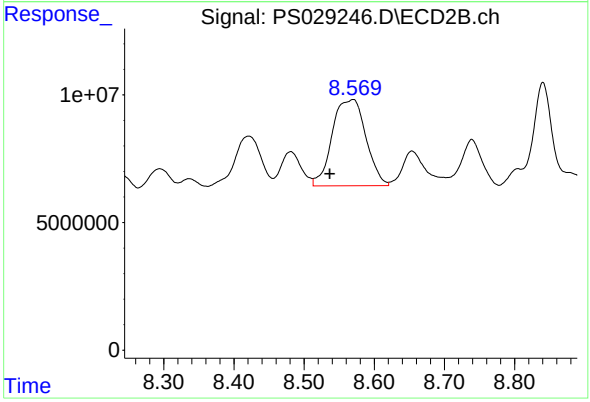
#7 MCPA

R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 12248344
Conc: 3.84 ug/ml



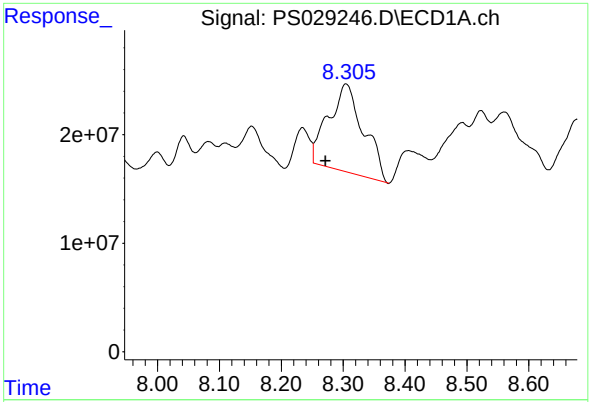
#8 DICHLORPROP

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 36430966
Conc: 7.93 ng/ml



#8 DICHLORPROP

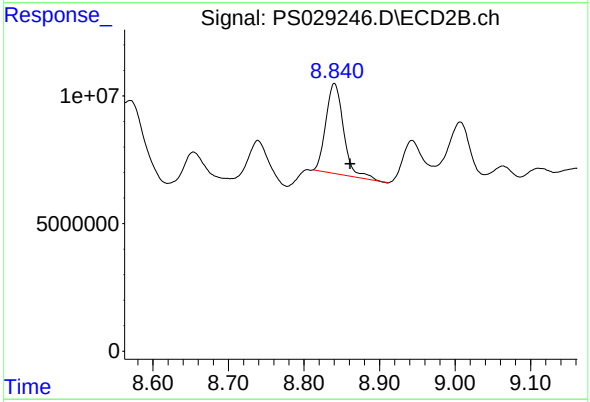
R.T.: 8.569 min
Delta R.T.: 0.033 min
Response: 112761903
Conc: 88.18 ng/ml



#9 2,4-D

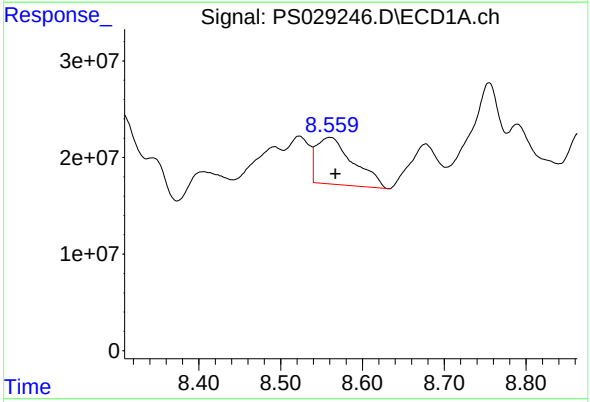
R.T.: 8.305 min
Delta R.T.: 0.033 min
Response: 317246585
Conc: 66.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725



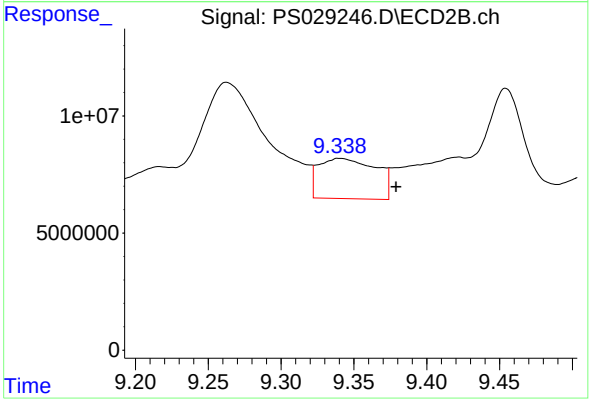
#9 2,4-D

R.T.: 8.840 min
Delta R.T.: -0.021 min
Response: 57560743
Conc: 45.33 ng/ml



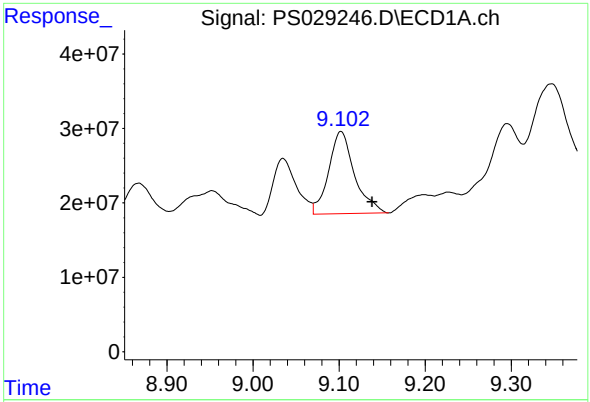
#10 Pentachlorophenol

R.T.: 8.560 min
Delta R.T.: -0.007 min
Response: 151608112
Conc: 2.60 ng/ml



#10 Pentachlorophenol

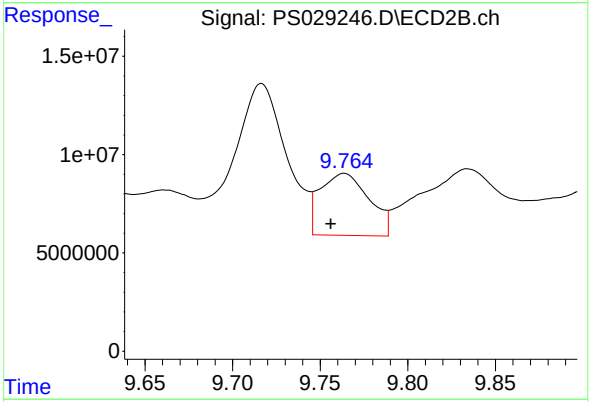
R.T.: 9.341 min
Delta R.T.: -0.038 min
Response: 47014721
Conc: 2.04 ng/ml



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

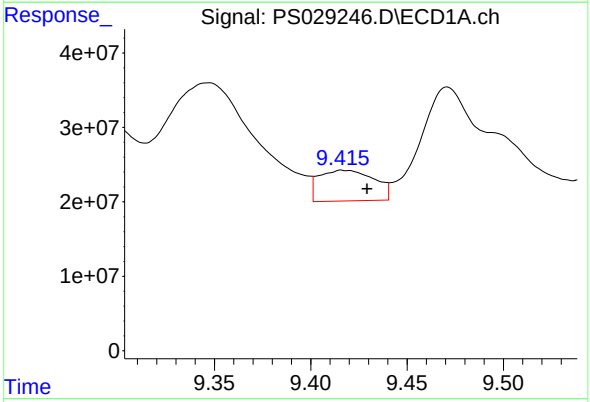
R.T.: 9.102 min
Delta R.T.: -0.036 min
Response: 231216162
Conc: 9.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725



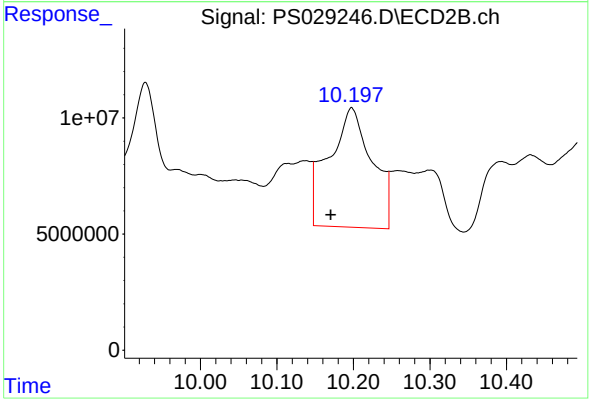
#11 2,4,5-TP (SILVEX)

R.T.: 9.764 min
Delta R.T.: 0.008 min
Response: 61290587
Conc: 6.78 ng/ml



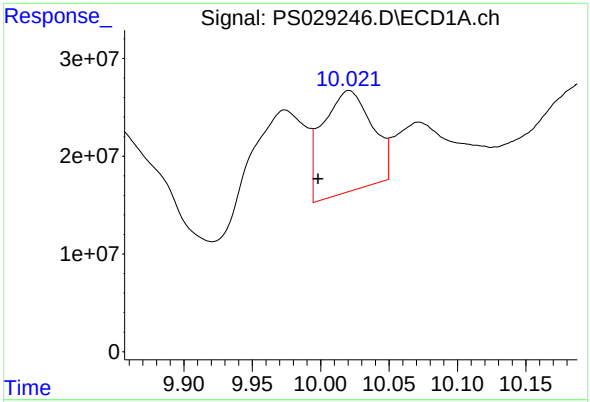
#12 2,4,5-T

R.T.: 9.418 min
Delta R.T.: -0.012 min
Response: 82238056
Conc: 3.23 ng/ml



#12 2,4,5-T

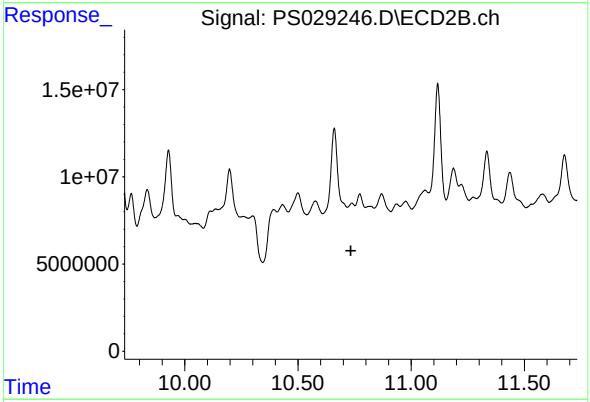
R.T.: 10.198 min
Delta R.T.: 0.027 min
Response: 201977370
Conc: 24.60 ng/ml



#13 2,4-DB

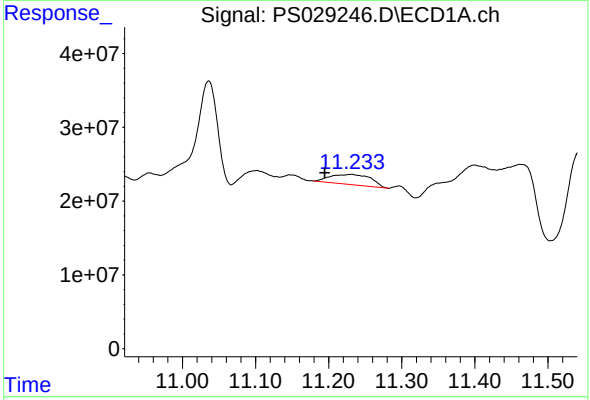
R.T.: 10.021 min
Delta R.T.: 0.022 min
Response: 259696387
Conc: 62.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725



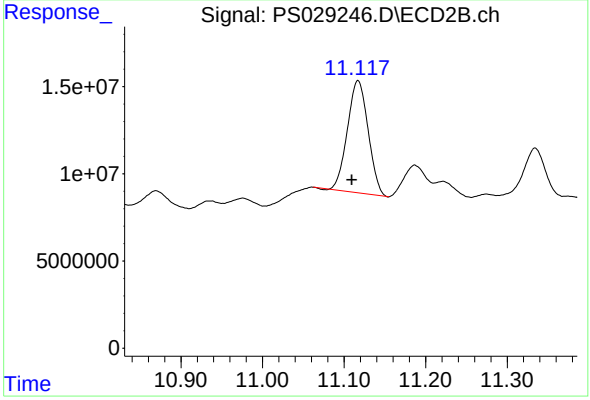
#13 2,4-DB

R.T.: 10.738 min
Delta R.T.: 0.005 min
Response: -2320243
Conc: N.D.



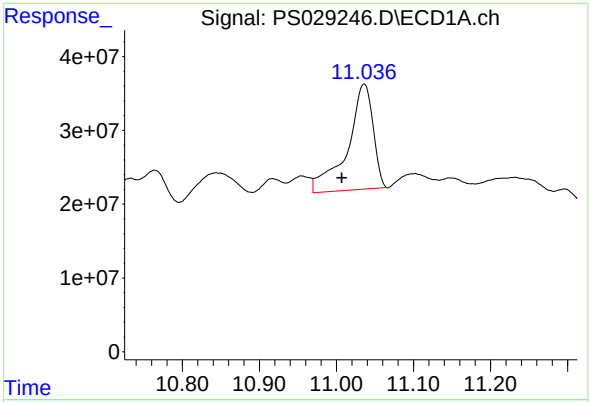
#14 DINOSEB

R.T.: 11.231 min
Delta R.T.: 0.036 min
Response: 50758071
Conc: 3.05 ng/ml



#14 DINOSEB

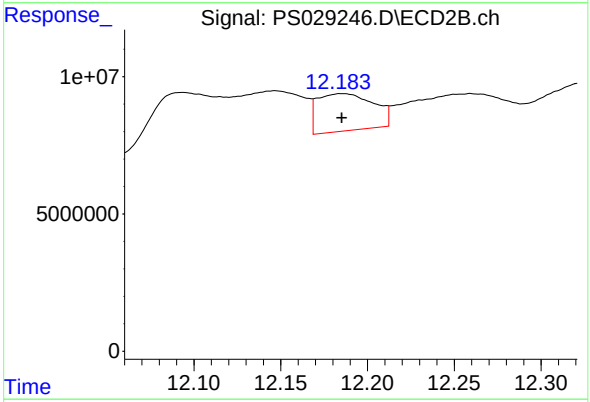
R.T.: 11.117 min
Delta R.T.: 0.008 min
Response: 113541857
Conc: 18.73 ng/ml



#15 Picloram

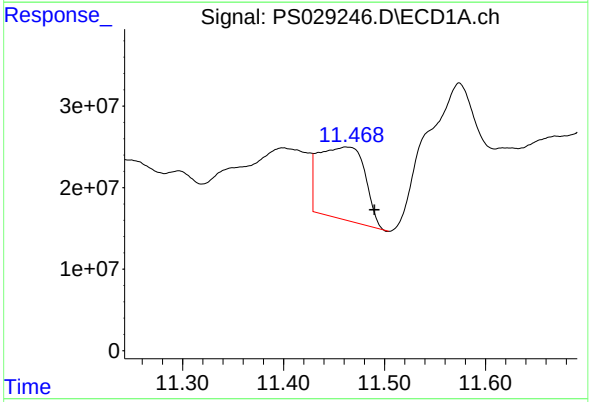
R.T.: 11.036 min
Delta R.T.: 0.029 min
Response: 329129652
Conc: 10.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-16-021725



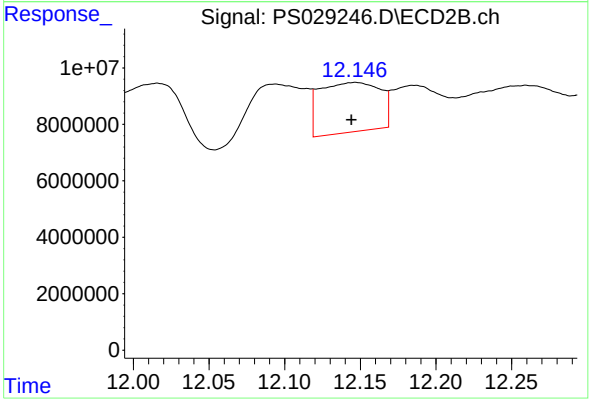
#15 Picloram

R.T.: 12.186 min
Delta R.T.: 0.000 min
Response: 30417500
Conc: 2.63 ng/ml



#16 DCPA

R.T.: 11.463 min
Delta R.T.: -0.027 min
Response: 281459102
Conc: 9.38 ng/ml



#16 DCPA

R.T.: 12.146 min
Delta R.T.: 0.002 min
Response: 48864530
Conc: 4.13 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 01:08
Operator : AR\AJ
Sample : Q1383-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.630	2453.3E6	529.4E6	595.377	562.957	
	Target Compounds							
1) T	Dalapon	2.563f	0.000	813.6E6	0	147.377	N.D.	#
2) T	3,5-DICHL...	6.326	6.608	26073323	37122323	4.456	26.214	#
3) T	4-Nitroph...	6.961	7.170	26964383	21008154	11.522	26.341	#
5) T	DICAMBA	7.354	7.862f	21076622	3693597	1.214	<MDL	#
6) T	MCPP	7.526	7.923	43062309	6527505	3.494	2.791	
7) T	MCPA	7.672	8.174	63190974	14298595	3.729	4.483	
8) T	DICHLORPROP	8.044	8.572f	36057671	82717425	7.845	64.686	#
9) T	2,4-D	8.275	8.841	87724309	48478685	18.467	38.175	#
10) T	Pentachlo...	8.563	9.381	115.6E6	21812859	1.980	<MDL	#
11) T	2,4,5-TP ...	9.102f	9.765	190.4E6	59062230	7.742	6.536	
12) T	2,4,5-T	9.420	10.198f	56059614	269.9E6	2.199	32.871	#
13) T	2,4-DB	10.021	10.773f	287.7E6	11084180	68.894	14.478	#
14) T	DINOSEB	11.232f	11.117	45450163	136.5E6	2.733	22.511	#
15) T	Picloram	11.037f	12.185	372.0E6	31108349	12.179	2.690	#
16) T	DCPA	11.462f	12.147	238.4E6	55286882	7.946	4.671	#

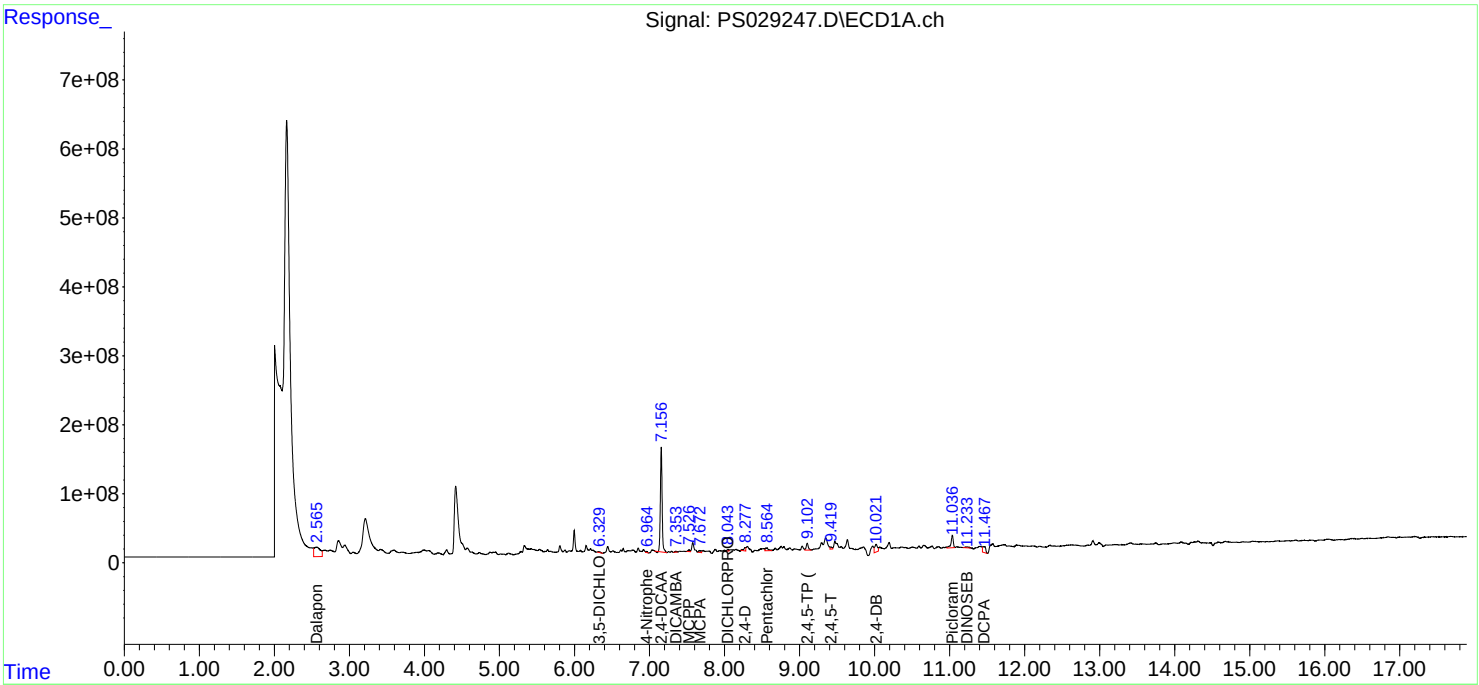
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

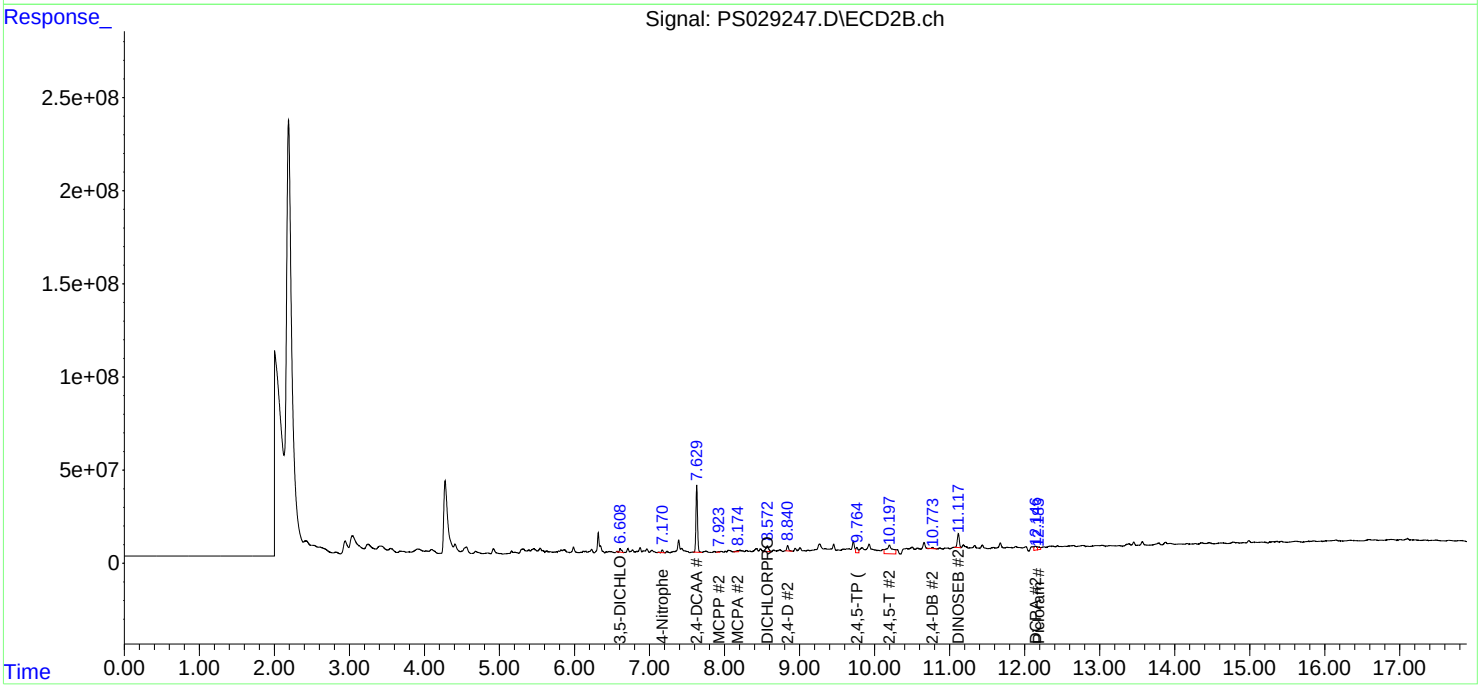
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 01:08
Operator : AR\AJ
Sample : Q1383-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

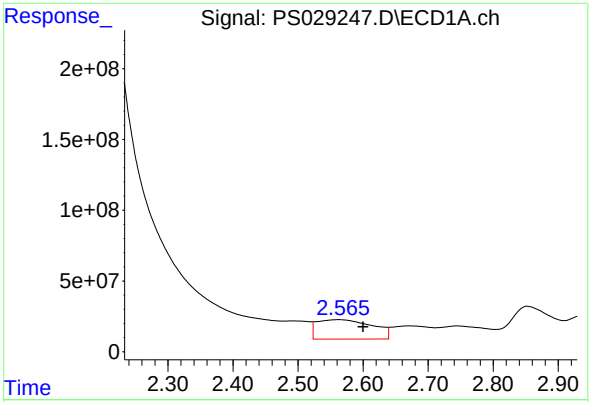
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



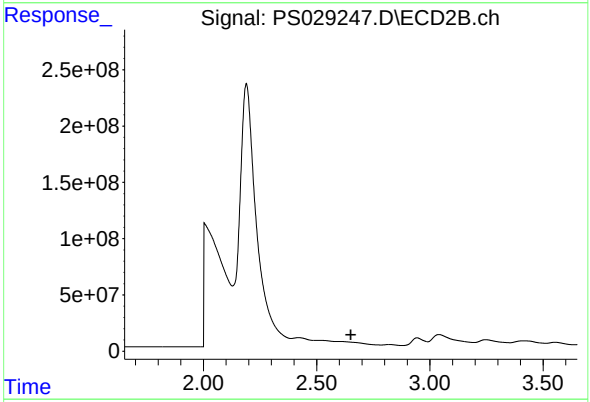




#1 Dalapon

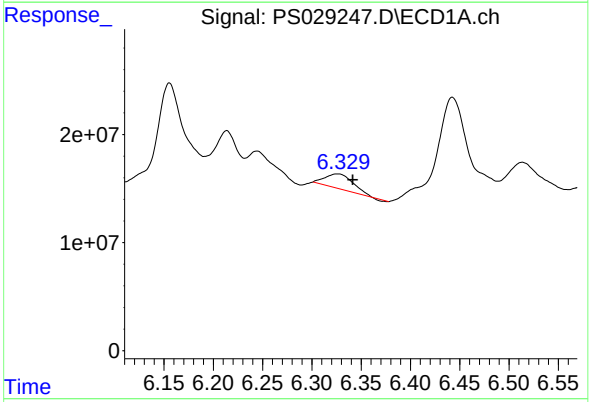
R.T.: 2.563 min
Delta R.T.: -0.037 min
Response: 813560479
Conc: 147.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725



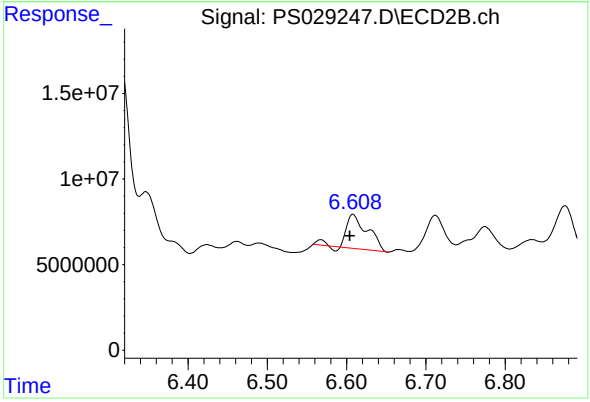
#1 Dalapon

R.T.: 0.000 min
Exp R.T. : 2.651 min
Response: 0
Conc: N.D.



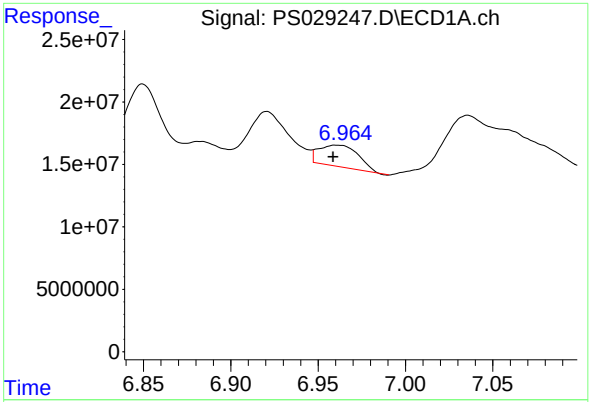
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.326 min
Delta R.T.: -0.015 min
Response: 26073323
Conc: 4.46 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

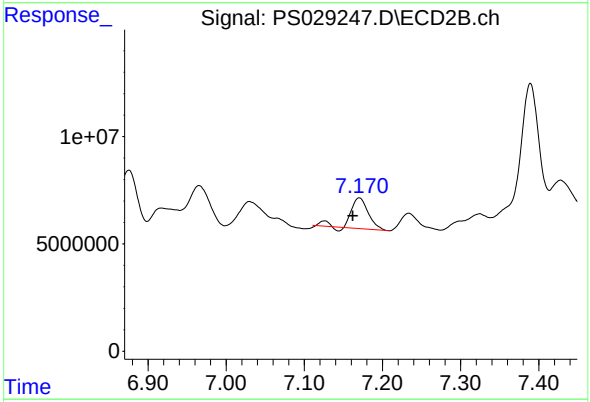
R.T.: 6.608 min
Delta R.T.: 0.004 min
Response: 37122323
Conc: 26.21 ng/ml



#3 4-Nitrophenol

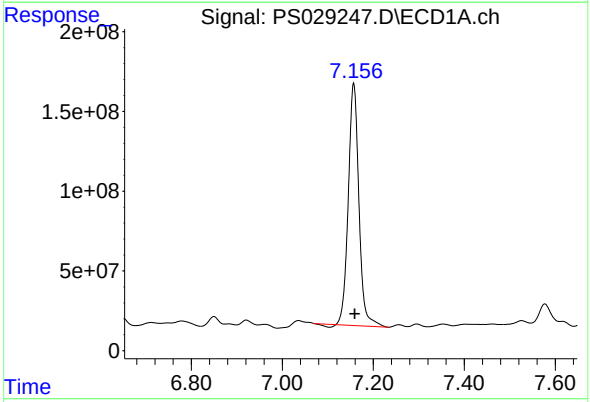
R.T.: 6.961 min
Delta R.T.: 0.002 min
Response: 26964383
Conc: 11.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725



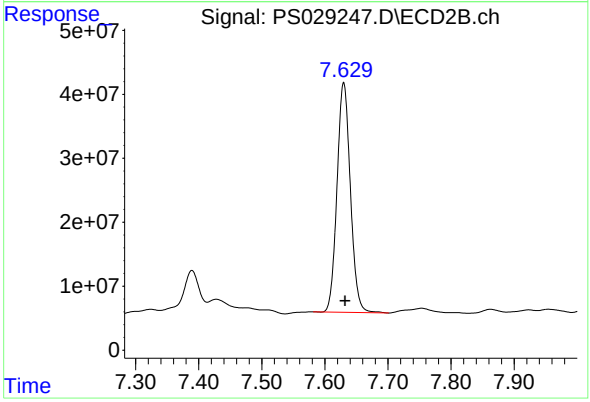
#3 4-Nitrophenol

R.T.: 7.170 min
Delta R.T.: 0.008 min
Response: 21008154
Conc: 26.34 ng/ml



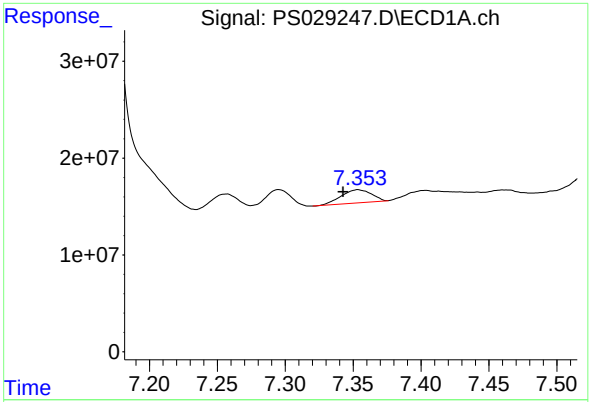
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 2453297255
Conc: 595.38 ng/ml



#4 2,4-DCAA

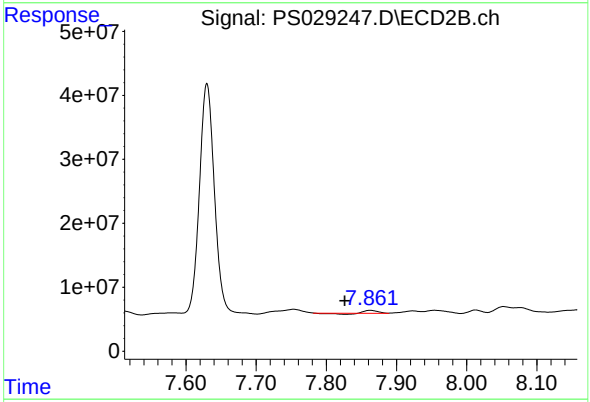
R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 529366865
Conc: 562.96 ng/ml



#5 DICAMBA

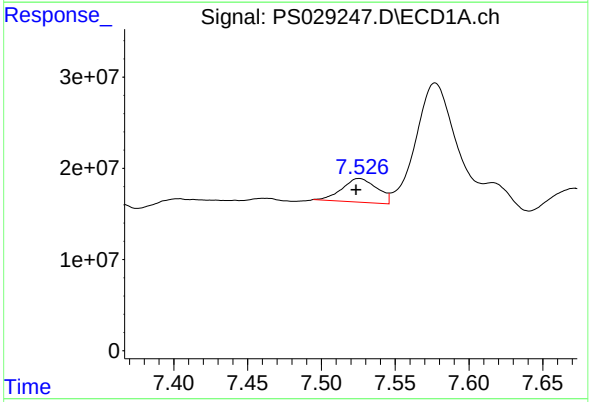
R.T.: 7.354 min
Delta R.T.: 0.011 min
Response: 21076622
Conc: 1.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725



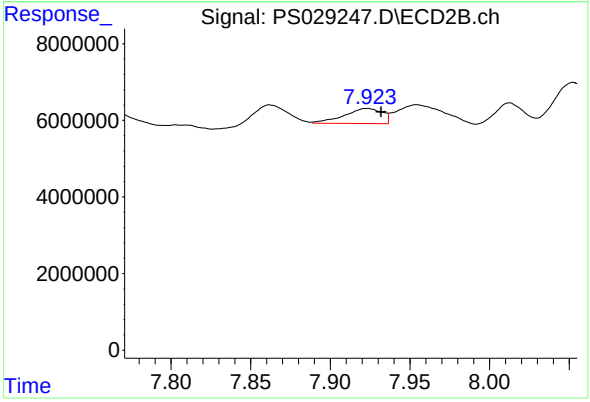
#5 DICAMBA

R.T.: 7.862 min
Delta R.T.: 0.036 min
Response: 3693597
Conc: N.D.



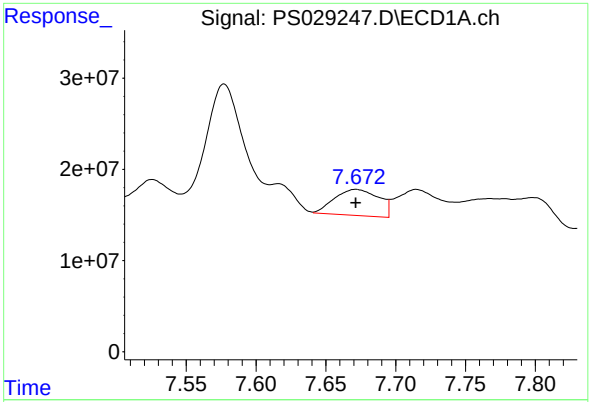
#6 MCPP

R.T.: 7.526 min
Delta R.T.: 0.002 min
Response: 43062309
Conc: 3.49 ug/ml



#6 MCPP

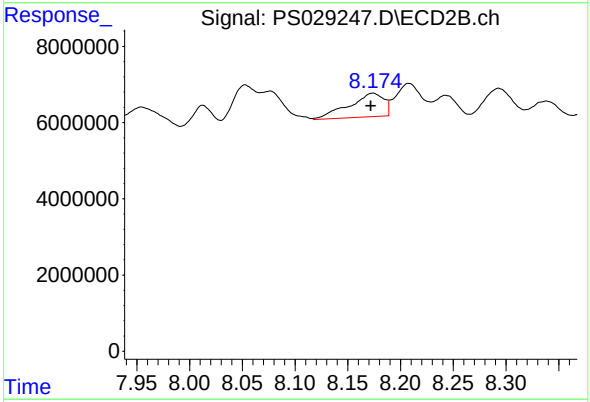
R.T.: 7.923 min
Delta R.T.: -0.009 min
Response: 6527505
Conc: 2.79 ug/ml



#7 MCPA

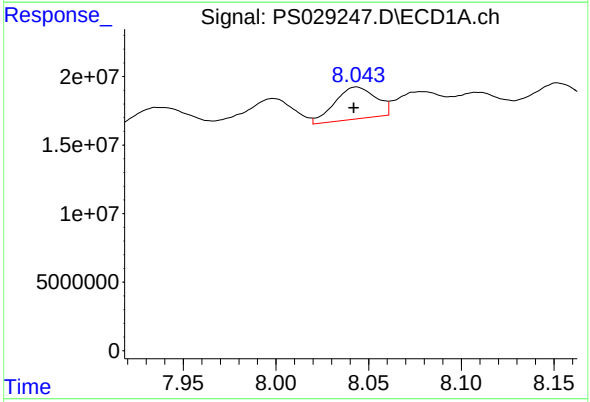
R.T.: 7.672 min
Delta R.T.: 0.000 min
Response: 63190974
Conc: 3.73 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725



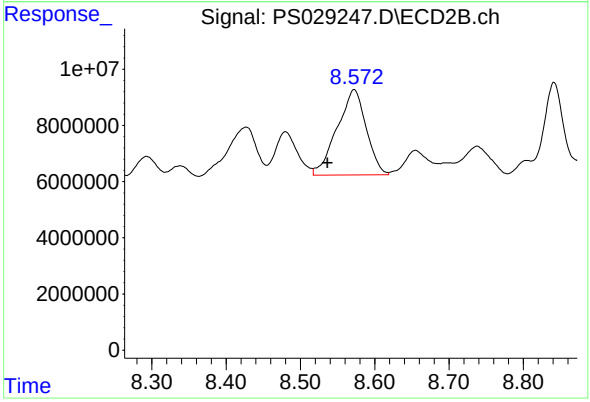
#7 MCPA

R.T.: 8.174 min
Delta R.T.: 0.002 min
Response: 14298595
Conc: 4.48 ug/ml



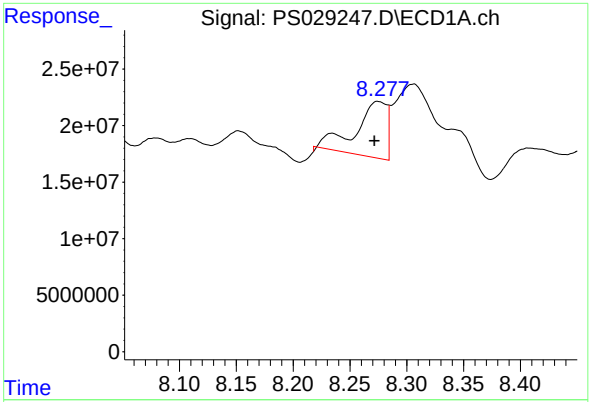
#8 DICHLORPROP

R.T.: 8.044 min
Delta R.T.: 0.002 min
Response: 36057671
Conc: 7.84 ng/ml



#8 DICHLORPROP

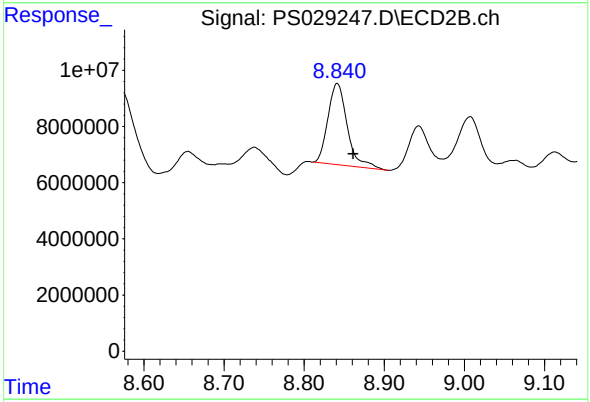
R.T.: 8.572 min
Delta R.T.: 0.036 min
Response: 82717425
Conc: 64.69 ng/ml



#9 2,4-D

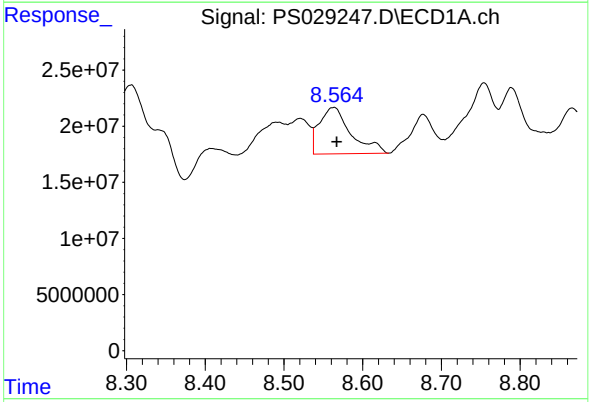
R.T.: 8.275 min
Delta R.T.: 0.004 min
Response: 87724309
Conc: 18.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725



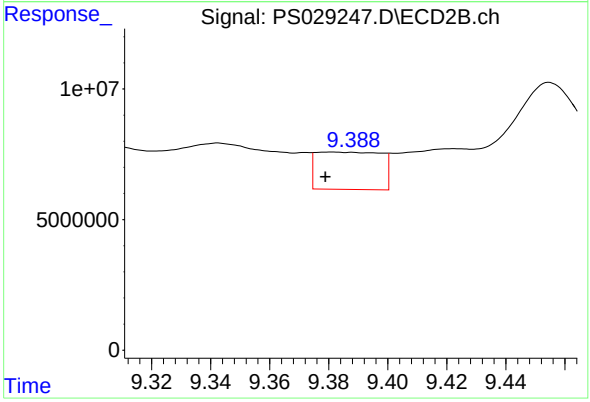
#9 2,4-D

R.T.: 8.841 min
Delta R.T.: -0.020 min
Response: 48478685
Conc: 38.18 ng/ml



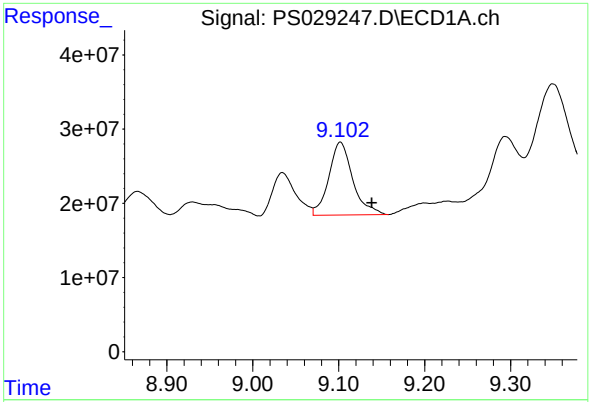
#10 Pentachlorophenol

R.T.: 8.563 min
Delta R.T.: -0.004 min
Response: 115559570
Conc: 1.98 ng/ml



#10 Pentachlorophenol

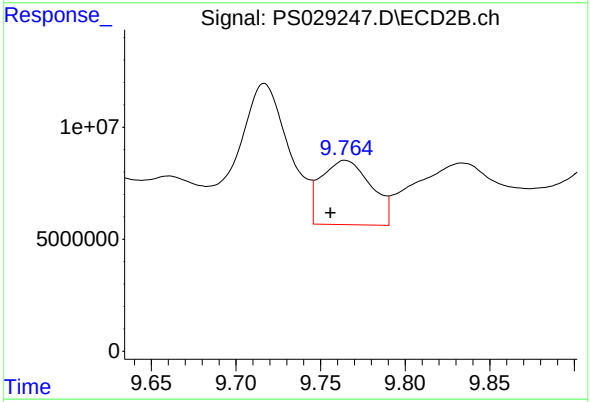
R.T.: 9.381 min
Delta R.T.: 0.002 min
Response: 21812859
Conc: N.D.



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

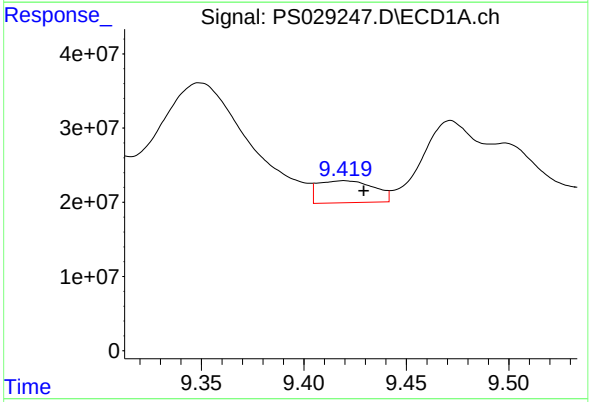
R.T.: 9.102 min
Delta R.T.: -0.036 min
Response: 190362060
Conc: 7.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725



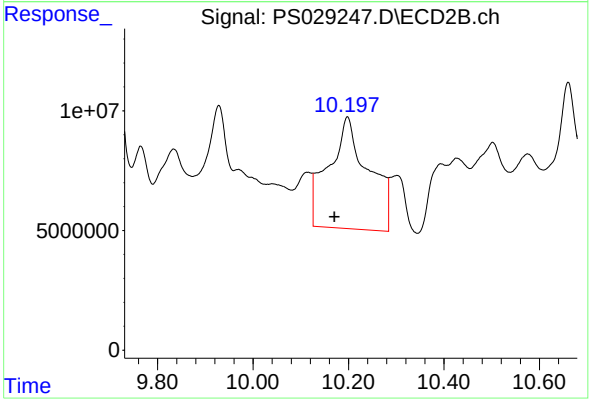
#11 2,4,5-TP (SILVEX)

R.T.: 9.765 min
Delta R.T.: 0.009 min
Response: 59062230
Conc: 6.54 ng/ml



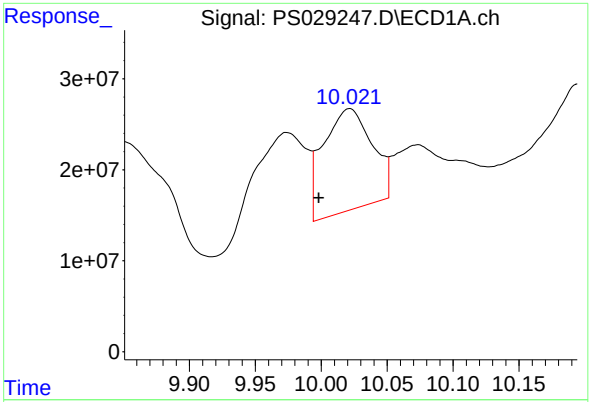
#12 2,4,5-T

R.T.: 9.420 min
Delta R.T.: -0.010 min
Response: 56059614
Conc: 2.20 ng/ml



#12 2,4,5-T

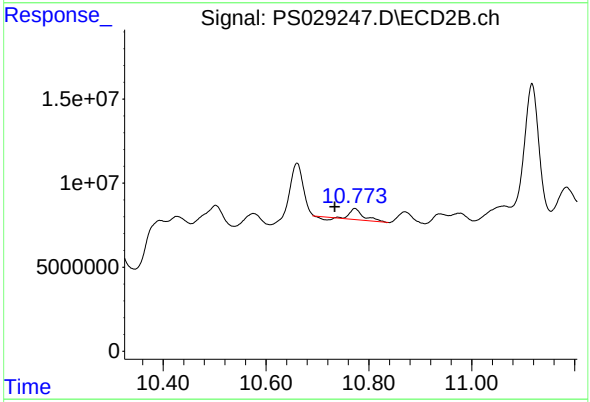
R.T.: 10.198 min
Delta R.T.: 0.027 min
Response: 269878553
Conc: 32.87 ng/ml



#13 2,4-DB

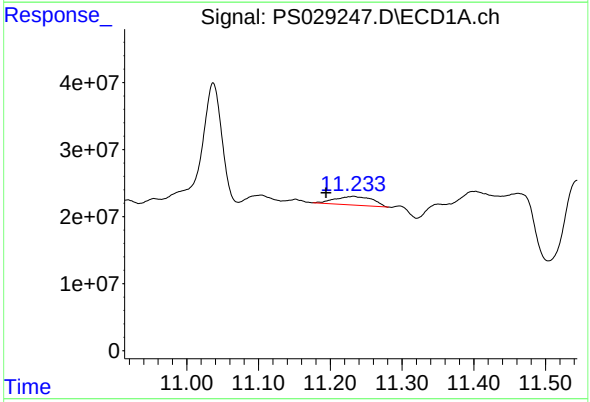
R.T.: 10.021 min
Delta R.T.: 0.023 min
Response: 287661997
Conc: 68.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725



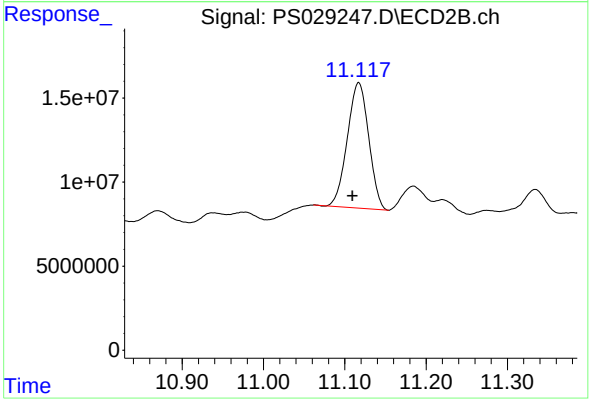
#13 2,4-DB

R.T.: 10.773 min
Delta R.T.: 0.039 min
Response: 11084180
Conc: 14.48 ng/ml



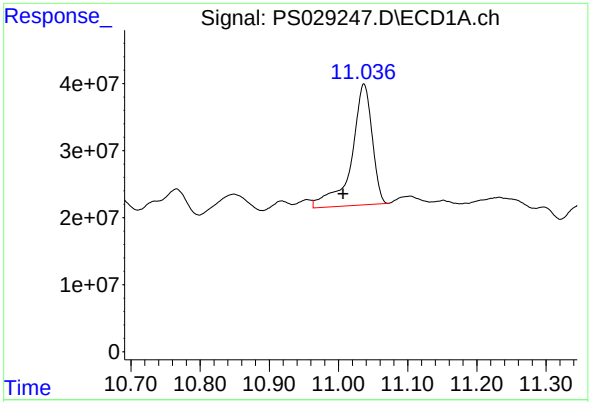
#14 DINOSEB

R.T.: 11.232 min
Delta R.T.: 0.037 min
Response: 45450163
Conc: 2.73 ng/ml



#14 DINOSEB

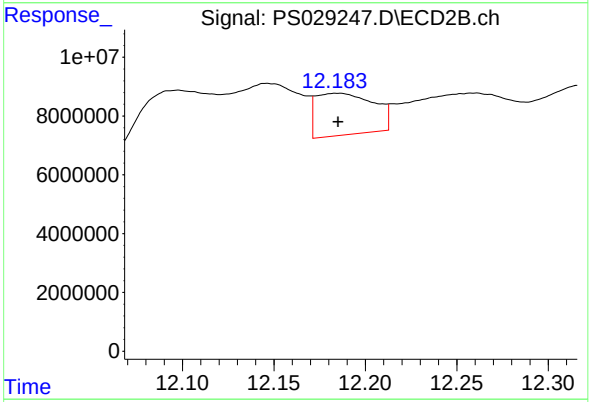
R.T.: 11.117 min
Delta R.T.: 0.008 min
Response: 136452718
Conc: 22.51 ng/ml



#15 Picloram

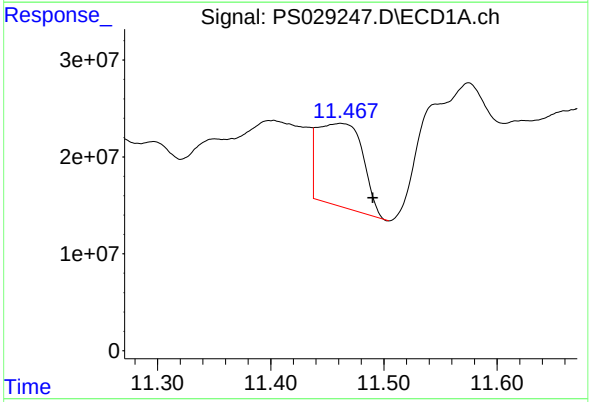
R.T.: 11.037 min
Delta R.T.: 0.030 min
Response: 372000160
Conc: 12.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725



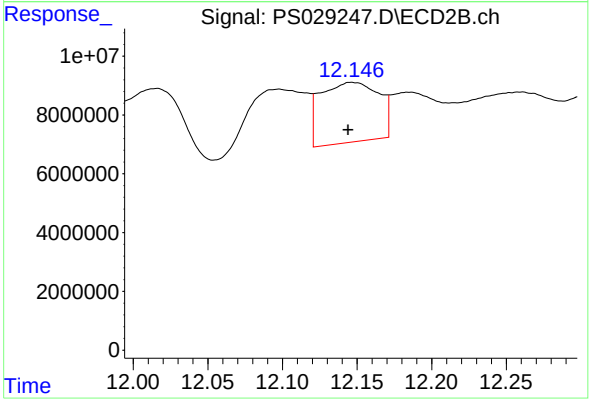
#15 Picloram

R.T.: 12.185 min
Delta R.T.: 0.000 min
Response: 31108349
Conc: 2.69 ng/ml



#16 DCPA

R.T.: 11.462 min
Delta R.T.: -0.028 min
Response: 238418909
Conc: 7.95 ng/ml



#16 DCPA

R.T.: 12.147 min
Delta R.T.: 0.003 min
Response: 55286882
Conc: 4.67 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 01:32
Operator : AR\AJ
Sample : Q1383-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:15:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.158	7.631	1128.2E6	237.2E6	273.805	252.240	
	Target Compounds							
1) T	Dalapon	2.564f	2.617f	638.2E6	267.4E6	115.615	126.293	
2) T	3,5-DICHL...	6.355	6.610	7349429	8848311	1.256	6.248	#
3) T	4-Nitroph...	6.962	7.171	10128248	3819264	4.328	4.789	
5) T	DICAMBA	7.356	0.000	13426290	0	<MDL	N.D.	#
6) T	MCPP	7.530	7.961f	6445109	5058363	<MDL	2.162	#
7) T	MCPA	7.670	8.177	32140669	16777908	1.897	5.260	#
8) T	DICHLORPROP	8.019	8.498f	42927649	12690570	9.339	9.924	
9) T	2,4-D	8.279	0.000	36222087	0	7.625	N.D.	#
10) T	Pentachlo...	8.558	9.374	54961903	15809969	<MDL	<MDL	#
11) T	2,4,5-TP ...	9.161	9.763	13144938	23654437	<MDL	2.618	#
12) T	2,4,5-T	9.470f	10.197f	155.5E6	207.6E6	6.099	25.281	#
13) T	2,4-DB	10.027f	0.000	408.4E6	0	97.815	N.D.	#
14) T	DINOSEB	11.217	11.107	64279066	24066174	3.865	3.970	
15) T	Picloram	11.027	12.192	54129739	35305248	1.772	3.053	#
16) T	DCPA	11.465f	12.145	128.2E6	19181270	4.274	1.621	#

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

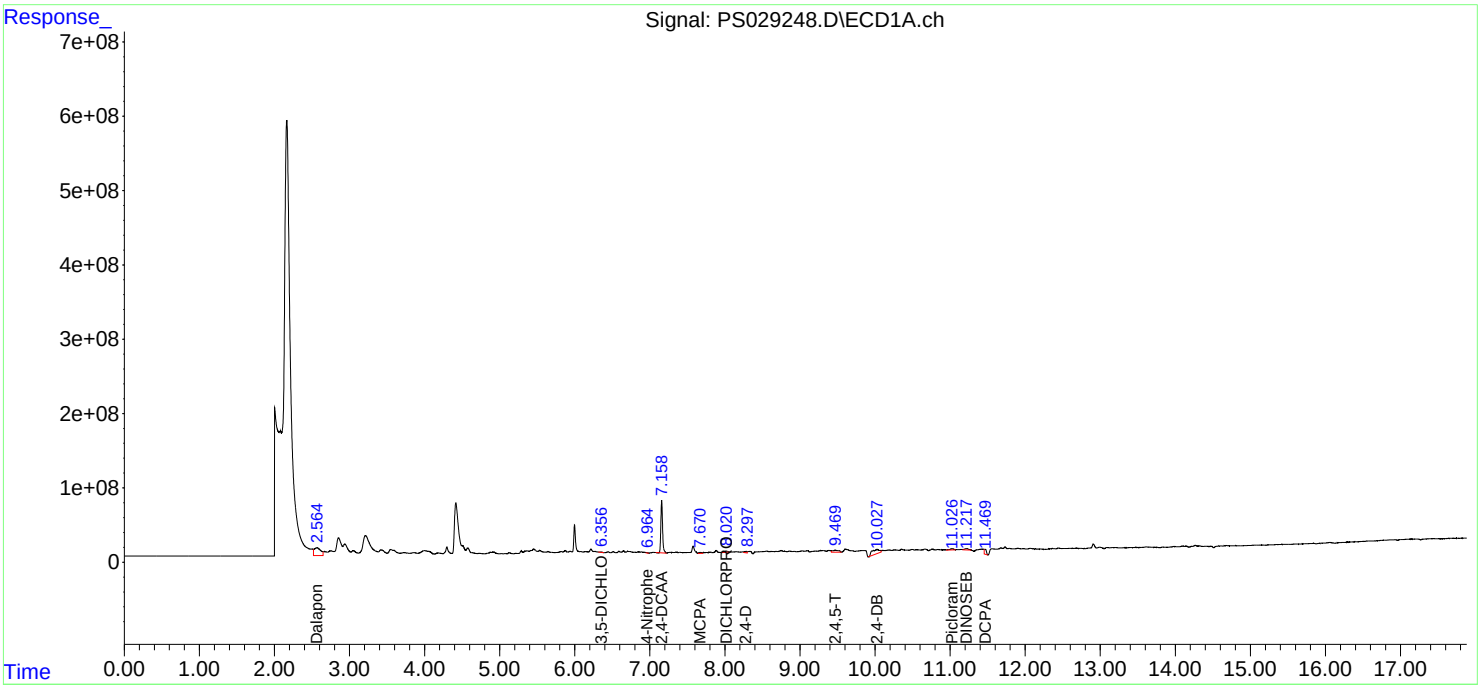
Quantitation Report (Not Reviewed)

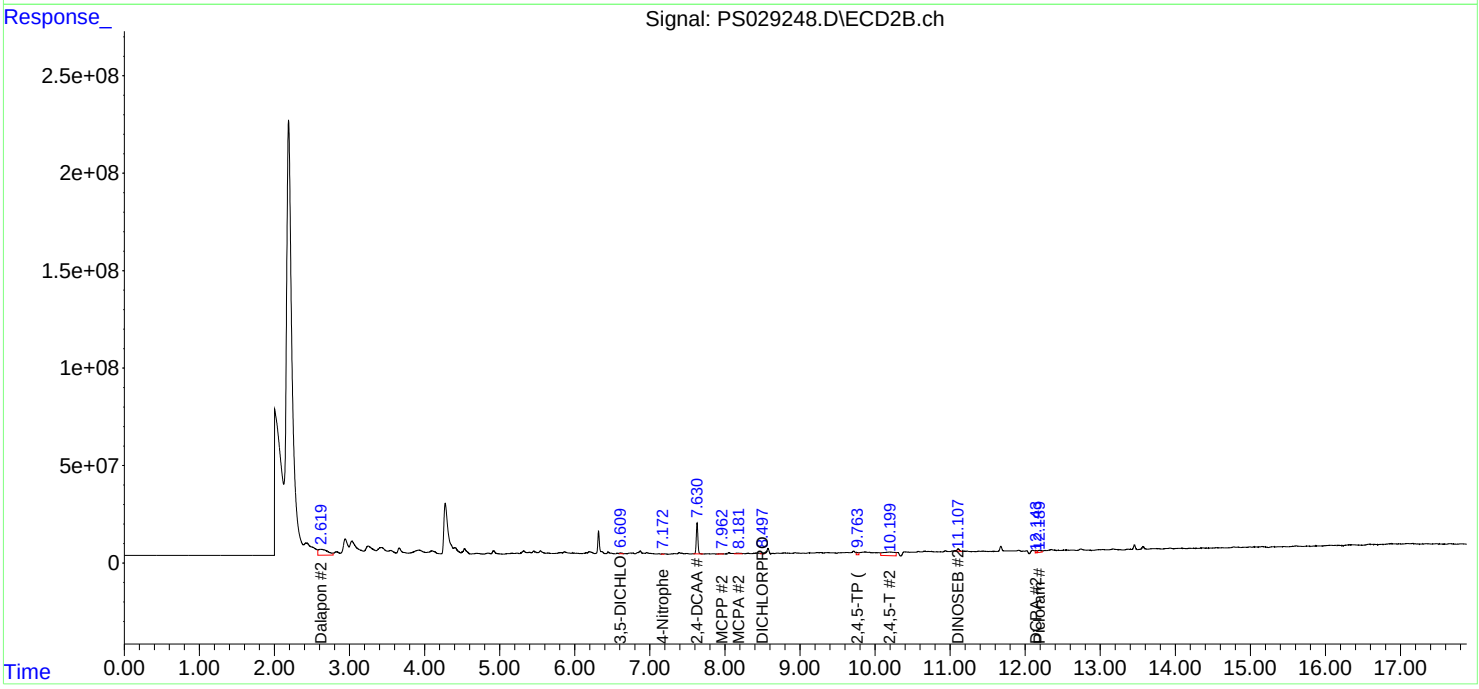
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022125\
Data File : PS029248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2025 01:32
Operator : AR\AJ
Sample : Q1383-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

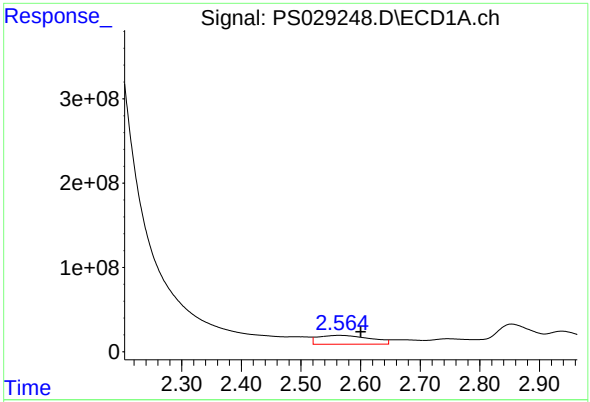
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 05:15:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



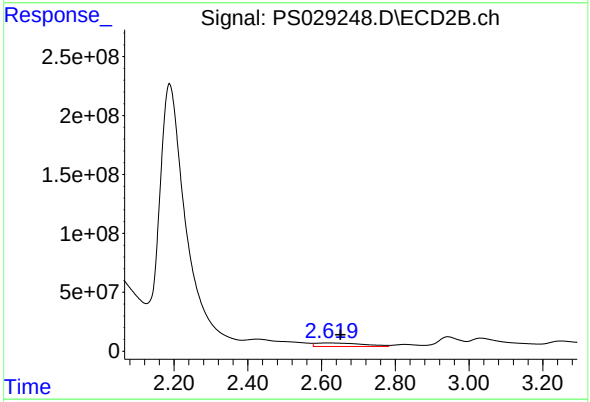




#1 Dalapon

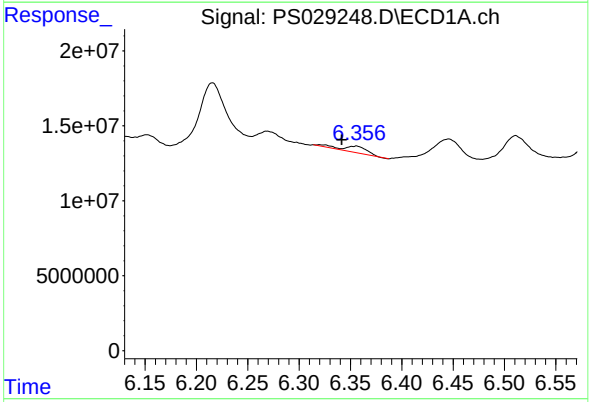
R.T.: 2.564 min
Delta R.T.: -0.036 min
Response: 638225526
Conc: 115.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725



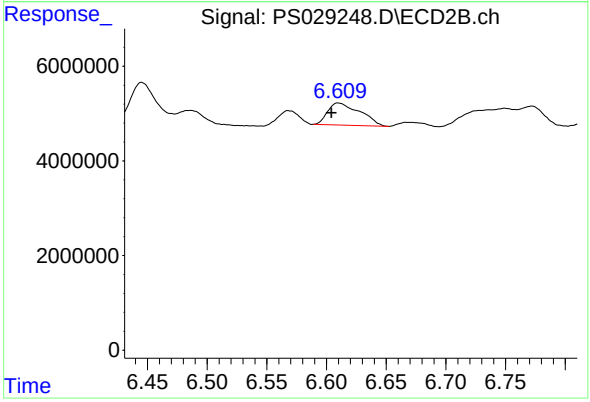
#1 Dalapon

R.T.: 2.617 min
Delta R.T.: -0.034 min
Response: 267376679
Conc: 126.29 ng/ml



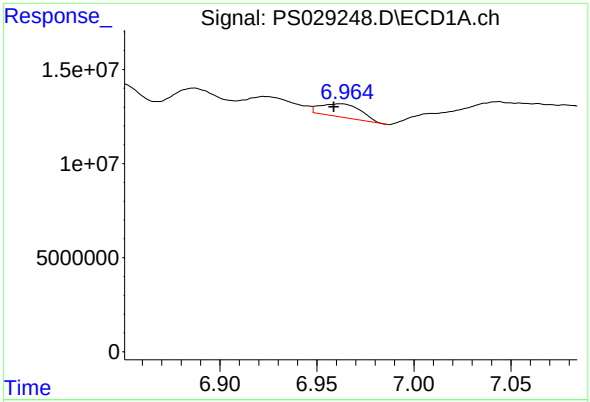
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.355 min
Delta R.T.: 0.013 min
Response: 7349429
Conc: 1.26 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

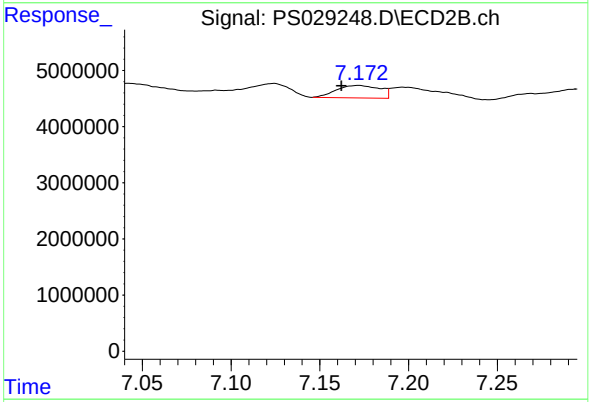
R.T.: 6.610 min
Delta R.T.: 0.006 min
Response: 8848311
Conc: 6.25 ng/ml



#3 4-Nitrophenol

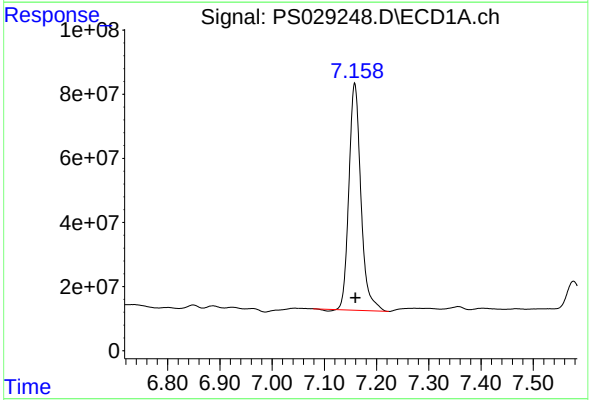
R.T.: 6.962 min
Delta R.T.: 0.003 min
Response: 10128248
Conc: 4.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725



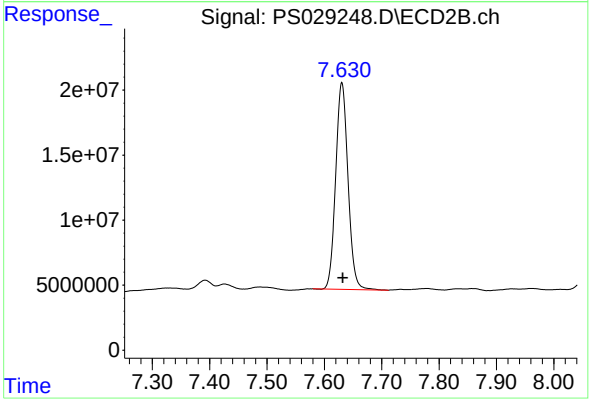
#3 4-Nitrophenol

R.T.: 7.171 min
Delta R.T.: 0.009 min
Response: 3819264
Conc: 4.79 ng/ml



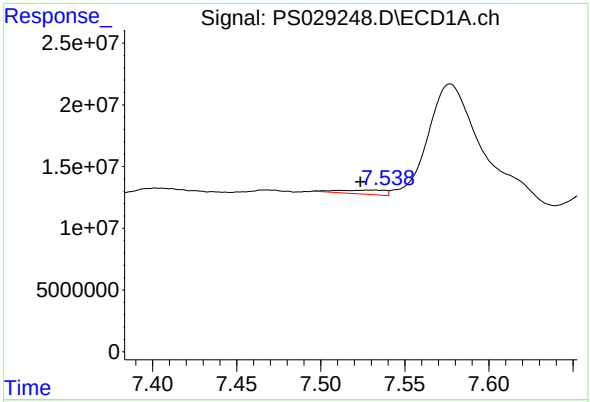
#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 1128234736
Conc: 273.80 ng/ml



#4 2,4-DCAA

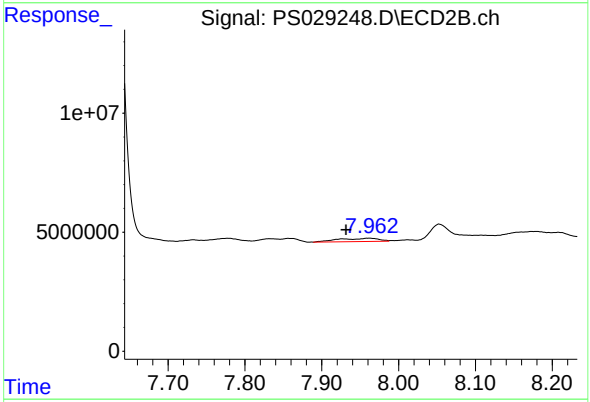
R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 237189545
Conc: 252.24 ng/ml



#6 MCPP

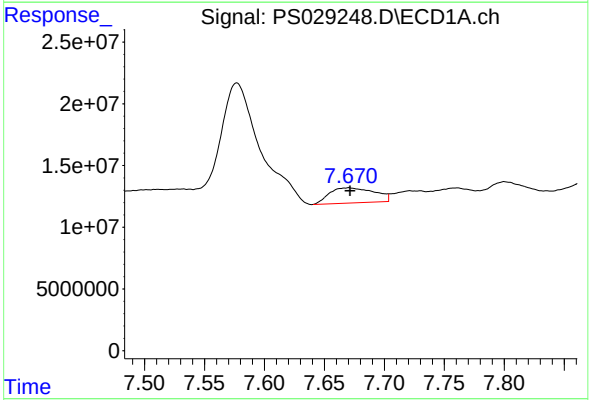
R.T.: 7.530 min
Delta R.T.: 0.007 min
Response: 6445109
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725



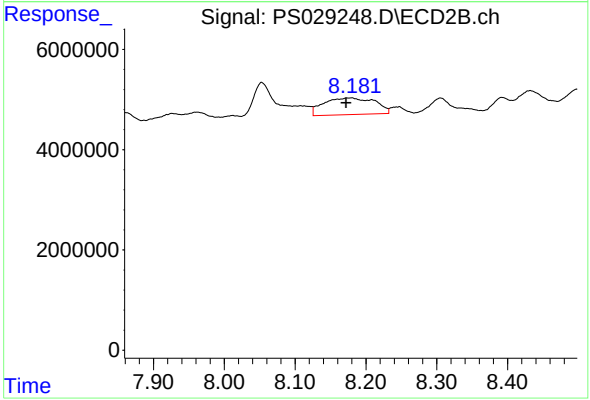
#6 MCPP

R.T.: 7.961 min
Delta R.T.: 0.029 min
Response: 5058363
Conc: 2.16 ug/ml



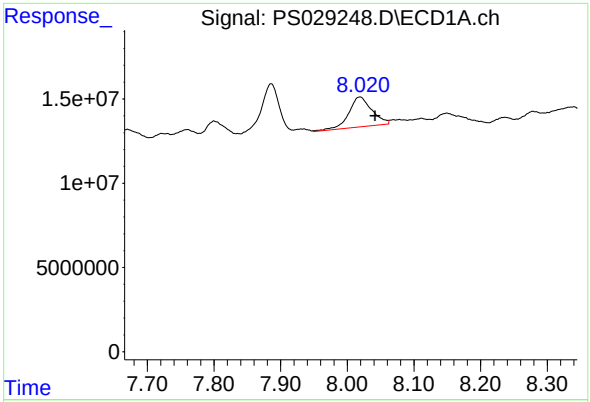
#7 MCPA

R.T.: 7.670 min
Delta R.T.: -0.002 min
Response: 32140669
Conc: 1.90 ug/ml



#7 MCPA

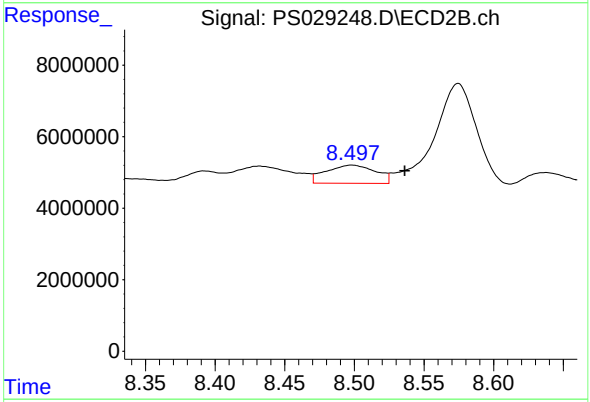
R.T.: 8.177 min
Delta R.T.: 0.006 min
Response: 16777908
Conc: 5.26 ug/ml



#8 DICHLORPROP

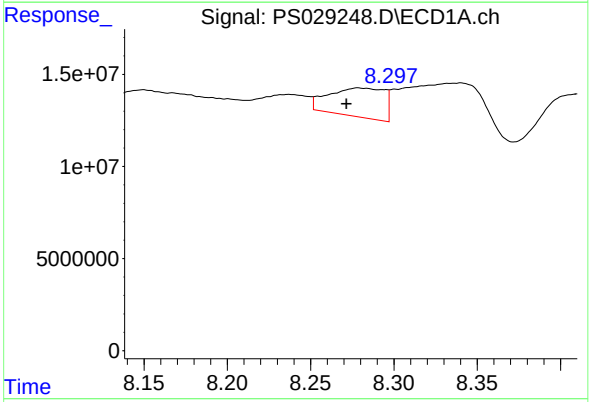
R.T.: 8.019 min
Delta R.T.: -0.023 min
Response: 42927649
Conc: 9.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725



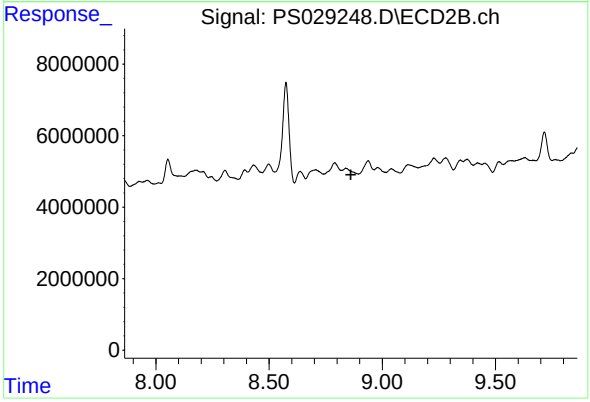
#8 DICHLORPROP

R.T.: 8.498 min
Delta R.T.: -0.038 min
Response: 12690570
Conc: 9.92 ng/ml



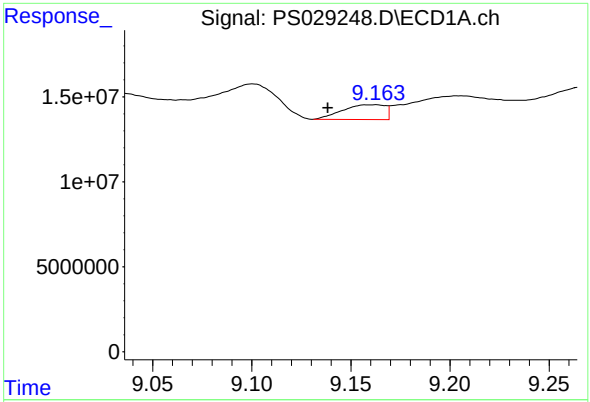
#9 2,4-D

R.T.: 8.279 min
Delta R.T.: 0.008 min
Response: 36222087
Conc: 7.63 ng/ml



#9 2,4-D

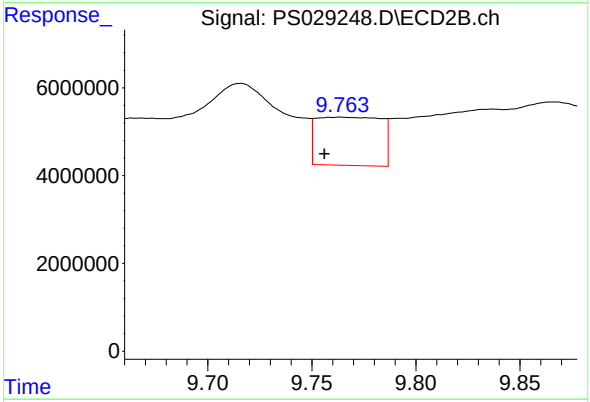
R.T.: 0.000 min
Exp R.T. : 8.861 min
Response: 0
Conc: N.D.



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

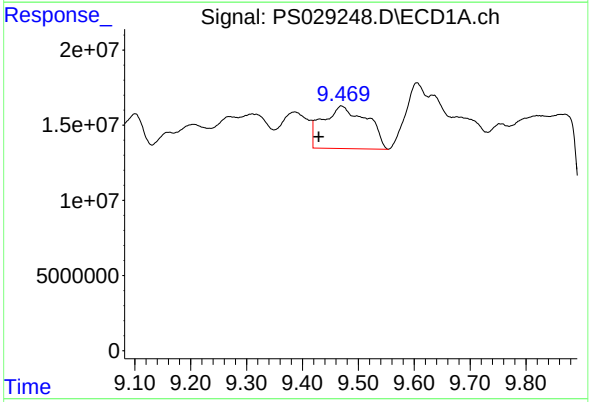
R.T.: 9.161 min
Delta R.T.: 0.022 min
Response: 13144938
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725



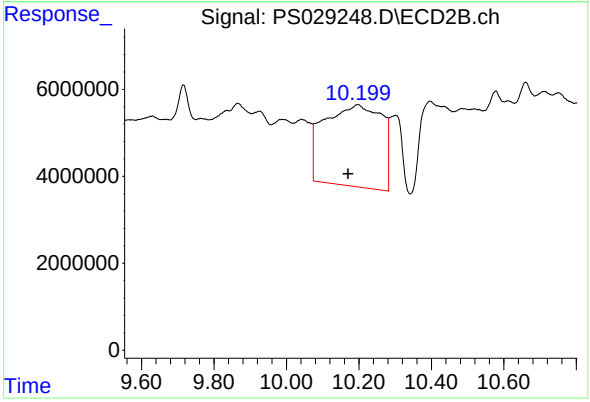
#11 2,4,5-TP (SILVEX)

R.T.: 9.763 min
Delta R.T.: 0.008 min
Response: 23654437
Conc: 2.62 ng/ml



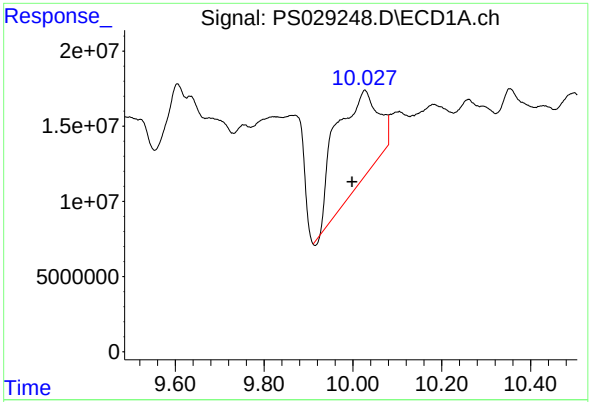
#12 2,4,5-T

R.T.: 9.470 min
Delta R.T.: 0.041 min
Response: 155457246
Conc: 6.10 ng/ml



#12 2,4,5-T

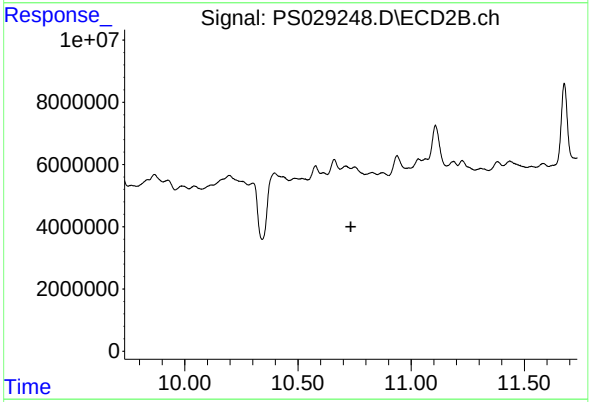
R.T.: 10.197 min
Delta R.T.: 0.026 min
Response: 207561411
Conc: 25.28 ng/ml



#13 2,4-DB

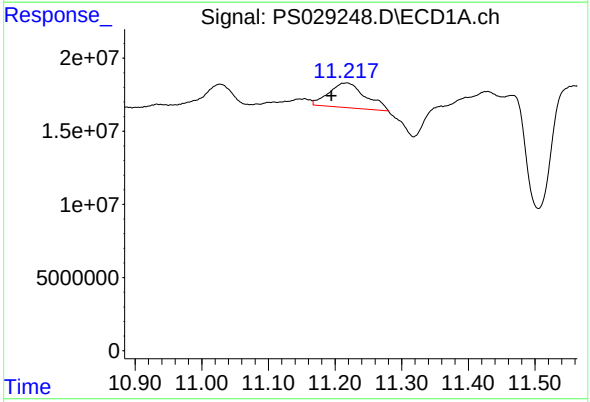
R.T.: 10.027 min
Delta R.T.: 0.029 min
Response: 408419738
Conc: 97.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725



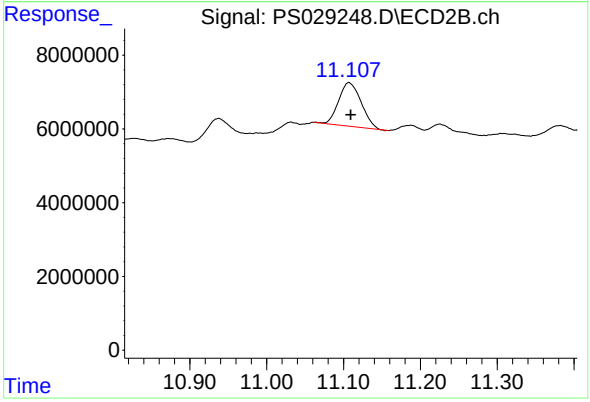
#13 2,4-DB

R.T.: 0.000 min
Exp R.T. : 10.734 min
Response: 0
Conc: N.D.



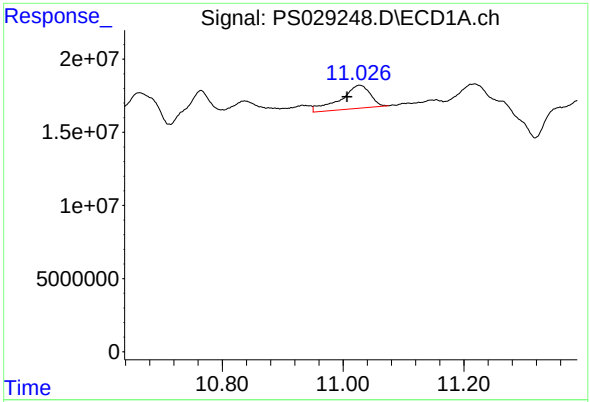
#14 DINOSEB

R.T.: 11.217 min
Delta R.T.: 0.022 min
Response: 64279066
Conc: 3.87 ng/ml



#14 DINOSEB

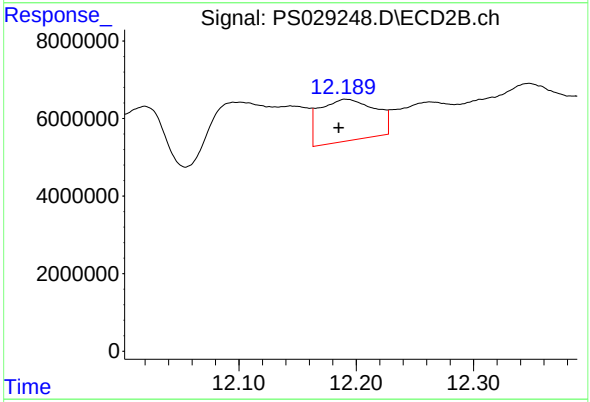
R.T.: 11.107 min
Delta R.T.: -0.002 min
Response: 24066174
Conc: 3.97 ng/ml



#15 Picloram

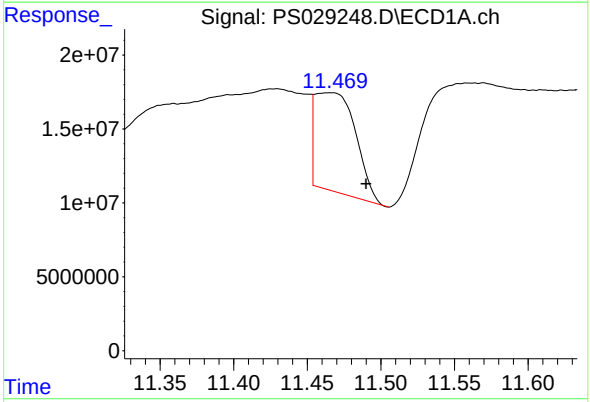
R.T.: 11.027 min
Delta R.T.: 0.020 min
Response: 54129739
Conc: 1.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-18-021725



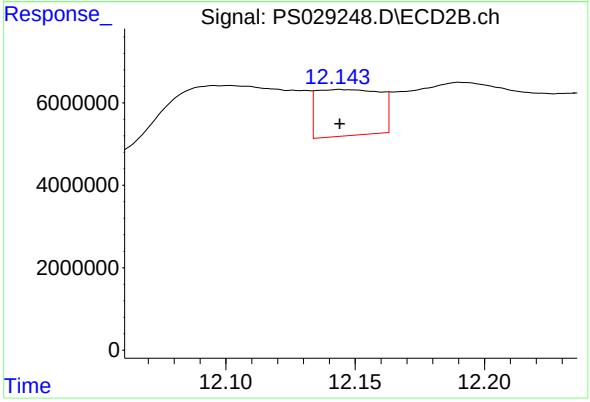
#15 Picloram

R.T.: 12.192 min
Delta R.T.: 0.006 min
Response: 35305248
Conc: 3.05 ng/ml



#16 DCPA

R.T.: 11.465 min
Delta R.T.: -0.025 min
Response: 128237795
Conc: 4.27 ng/ml



#16 DCPA

R.T.: 12.145 min
Delta R.T.: 0.000 min
Response: 19181270
Conc: 1.62 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 13:11
Operator : AR\AJ
Sample : Q1383-13RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 00:52:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.158	7.630	2584.2E6	506.1E6	627.153	538.233	
	Target Compounds							
1) T	Dalapon	2.565f	0.000	818.9E6	0	148.346	N.D.	#
2) T	3,5-DICHL...	6.328	6.632f	21341885	93296769	3.647	65.882	#
3) T	4-Nitroph...	6.960	7.171	89431586	18043967	38.216	22.624	#
5) T	DICAMBA	7.351	7.859f	26032372	15806437	1.499	3.067	#
6) T	MCPP	7.526	7.922	40358588	3969651	3.274	1.697	#
7) T	MCPA	7.688	8.144f	133.1E6	68912902	7.856	21.605	#
8) T	DICHLORPROP	8.047	8.573f	47726274	95946314	10.383	75.031	#
9) T	2,4-D	8.272	8.841	201.1E6	121.8E6	42.331	95.880	#
10) T	Pentachlo...	8.565	0.000	186.9E6	0	3.202	N.D.	#
11) T	2,4,5-TP ...	9.103f	9.766	177.7E6	82504790	7.229	9.130	#
12) T	2,4,5-T	9.474f	10.196f	355.4E6	243.3E6	13.944	29.631	#
13) T	2,4-DB	10.021	10.743	365.6E6	-4638484	87.569	N.D.	#
14) T	DINOSEB	11.178	11.119	-12279396	182.8E6	N.D.	30.158	
15) T	Picloram	11.038f	12.182	407.0E6	39346145	13.324	3.403	#
16) T	DCPA	11.462f	12.145	303.7E6	56648914	10.122	4.786	#

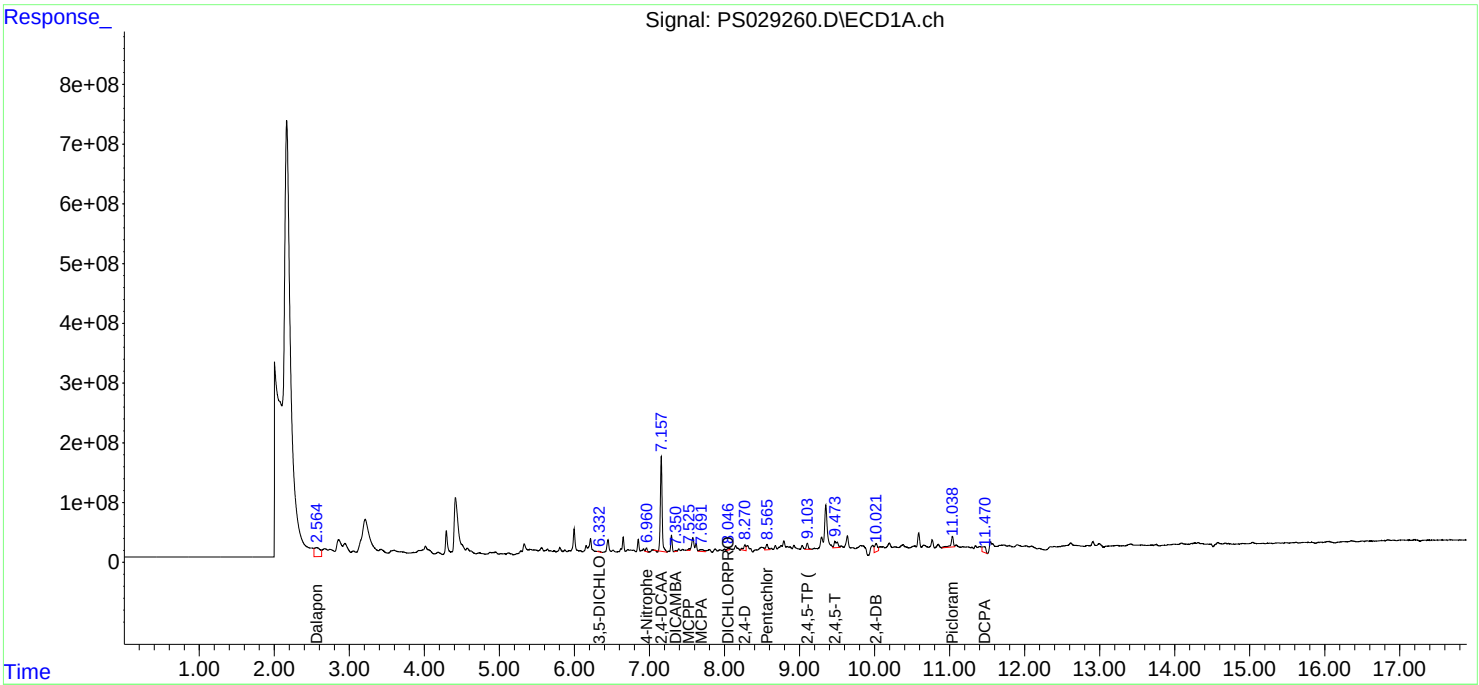
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

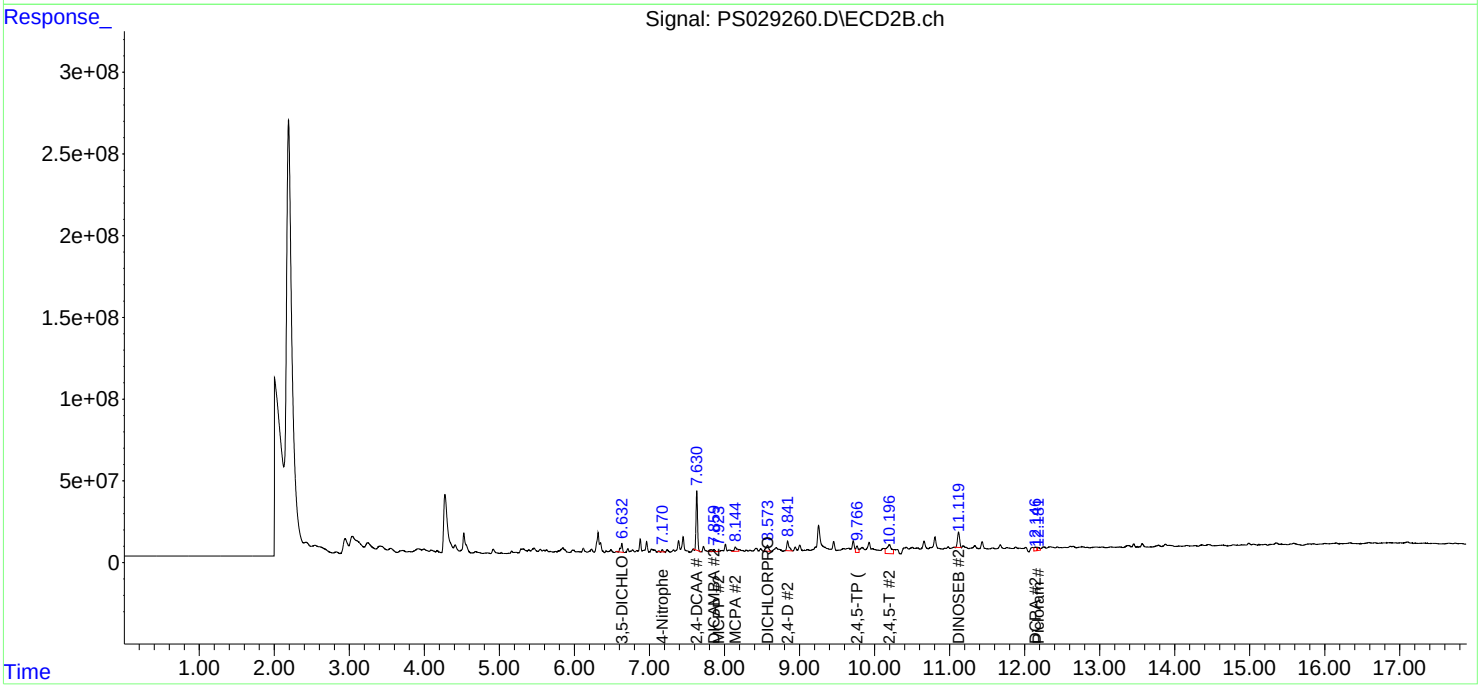
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 13:11
Operator : AR\AJ
Sample : Q1383-13RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

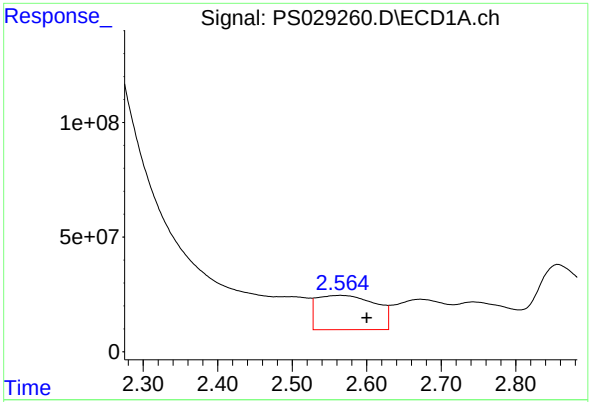
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 00:52:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



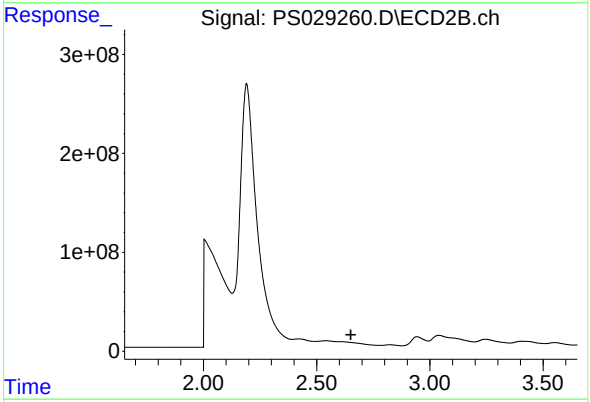




#1 Dalapon

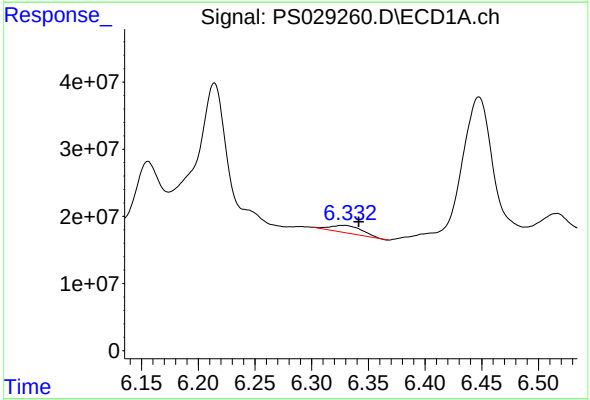
R.T.: 2.565 min
Delta R.T.: -0.035 min
Response: 818914154
Conc: 148.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE



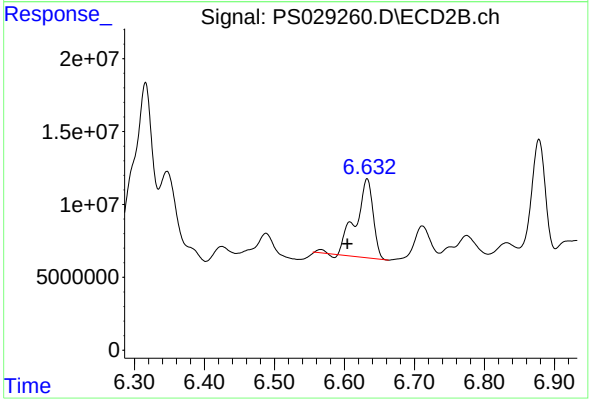
#1 Dalapon

R.T.: 0.000 min
Exp R.T. : 2.651 min
Response: 0
Conc: N.D.



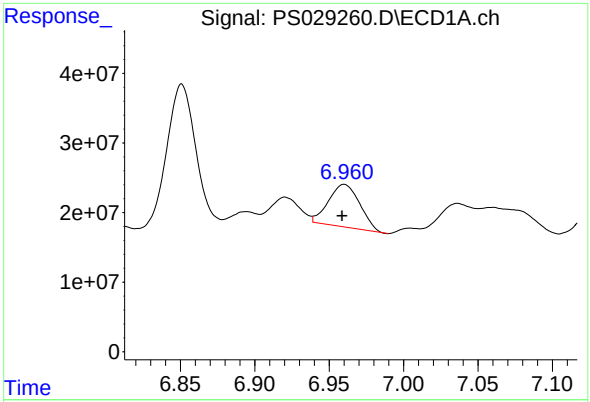
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.328 min
Delta R.T.: -0.014 min
Response: 21341885
Conc: 3.65 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

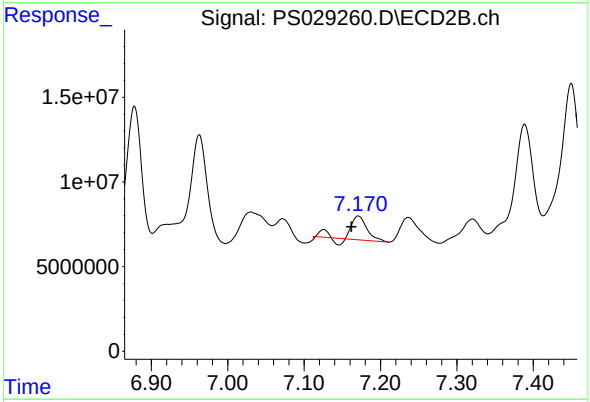
R.T.: 6.632 min
Delta R.T.: 0.028 min
Response: 93296769
Conc: 65.88 ng/ml



#3 4-Nitrophenol

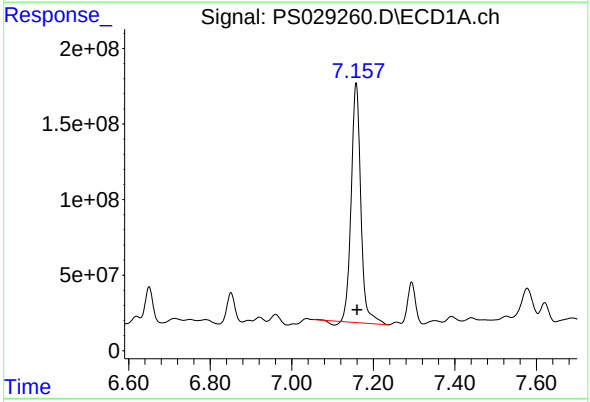
R.T.: 6.960 min
Delta R.T.: 0.002 min
Response: 89431586
Conc: 38.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE



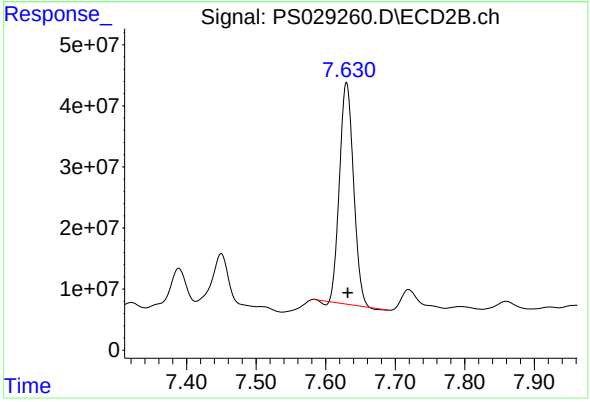
#3 4-Nitrophenol

R.T.: 7.171 min
Delta R.T.: 0.009 min
Response: 18043967
Conc: 22.62 ng/ml



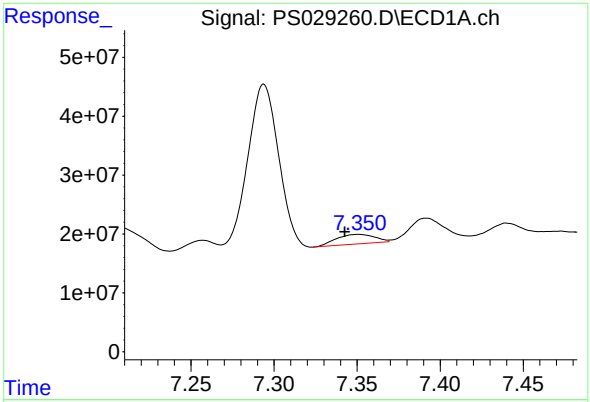
#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 2584234397
Conc: 627.15 ng/ml



#4 2,4-DCAA

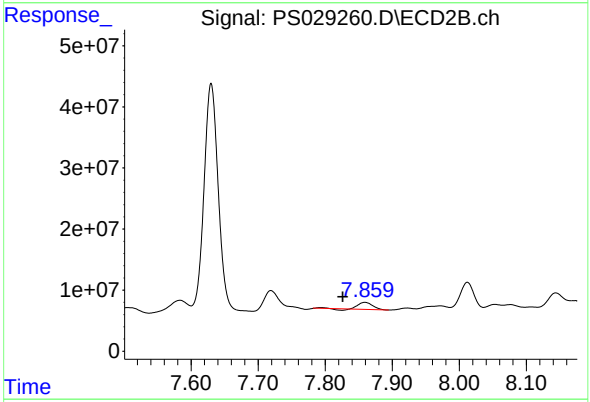
R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 506118293
Conc: 538.23 ng/ml



#5 DICAMBA

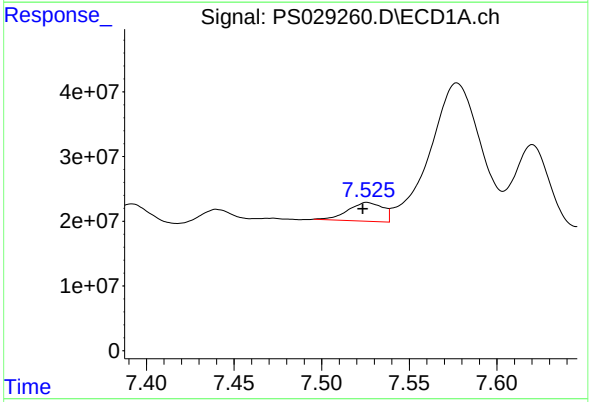
R.T.: 7.351 min
Delta R.T.: 0.008 min
Response: 26032372
Conc: 1.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE



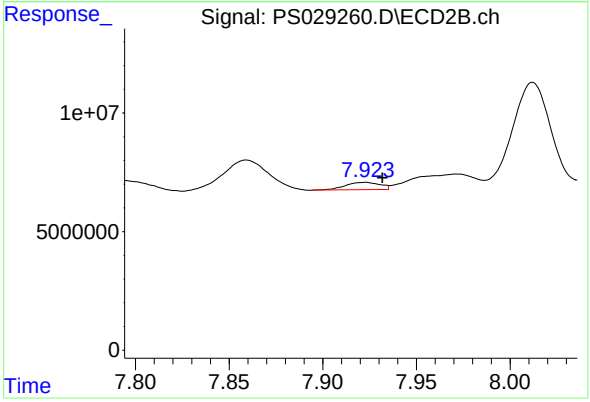
#5 DICAMBA

R.T.: 7.859 min
Delta R.T.: 0.033 min
Response: 15806437
Conc: 3.07 ng/ml



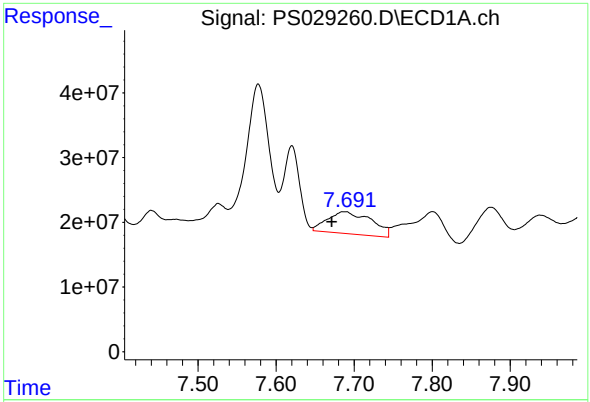
#6 MCPP

R.T.: 7.526 min
Delta R.T.: 0.003 min
Response: 40358588
Conc: 3.27 ug/ml



#6 MCPP

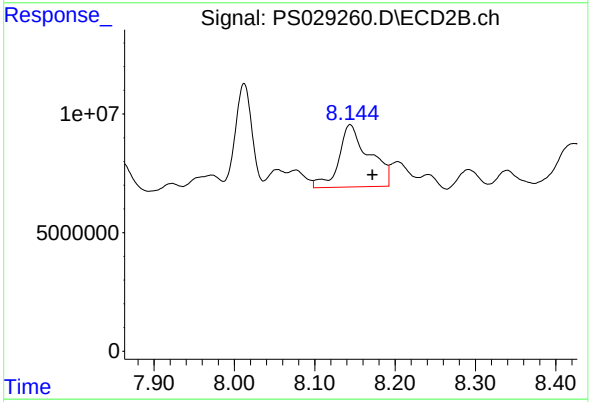
R.T.: 7.922 min
Delta R.T.: -0.010 min
Response: 3969651
Conc: 1.70 ug/ml



#7 MCPA

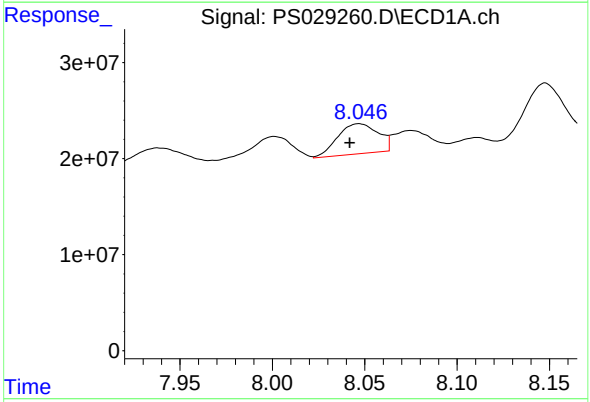
R.T.: 7.688 min
Delta R.T.: 0.016 min
Response: 133115575
Conc: 7.86 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE



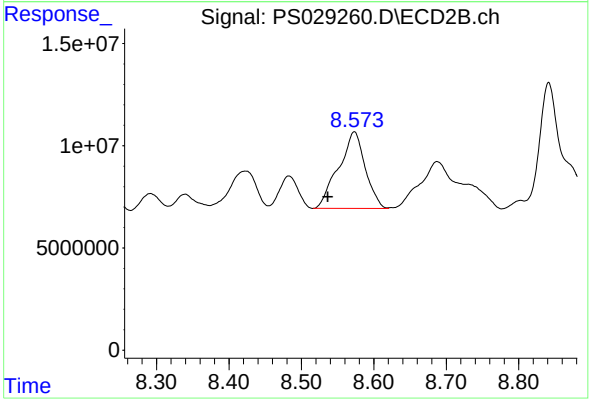
#7 MCPA

R.T.: 8.144 min
Delta R.T.: -0.028 min
Response: 68912902
Conc: 21.60 ug/ml



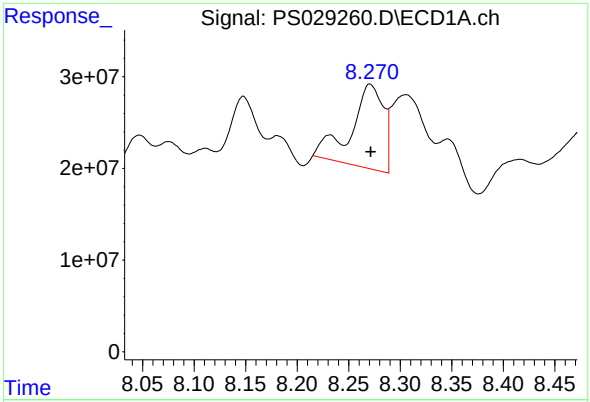
#8 DICHLORPROP

R.T.: 8.047 min
Delta R.T.: 0.005 min
Response: 47726274
Conc: 10.38 ng/ml



#8 DICHLORPROP

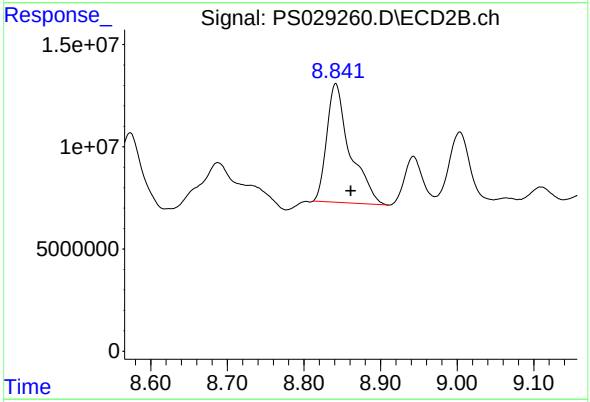
R.T.: 8.573 min
Delta R.T.: 0.037 min
Response: 95946314
Conc: 75.03 ng/ml



#9 2,4-D

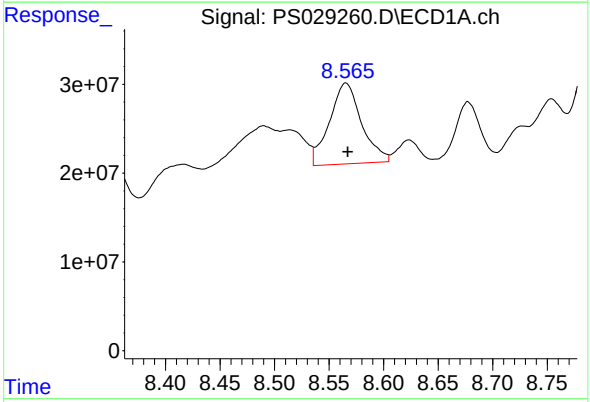
R.T.: 8.272 min
Delta R.T.: 0.000 min
Response: 201089399
Conc: 42.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE



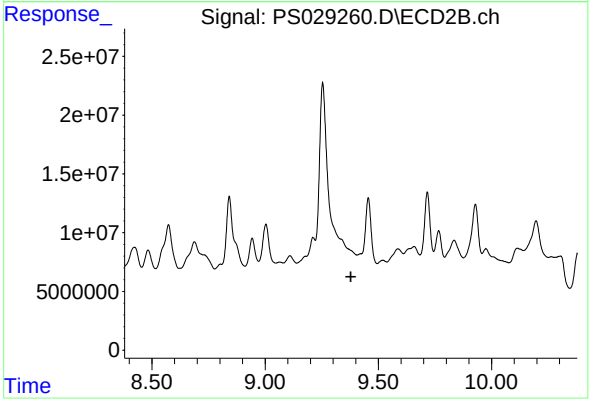
#9 2,4-D

R.T.: 8.841 min
Delta R.T.: -0.020 min
Response: 121757335
Conc: 95.88 ng/ml



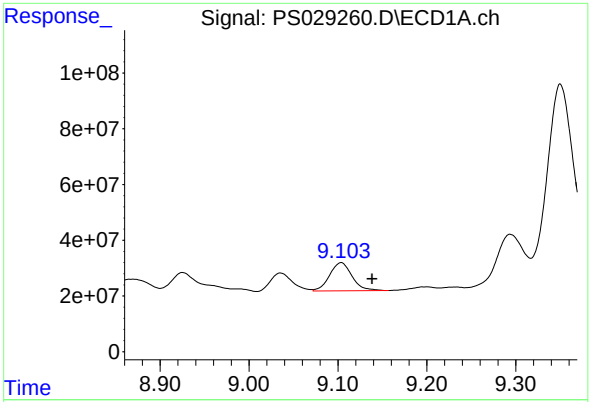
#10 Pentachlorophenol

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 186858409
Conc: 3.20 ng/ml



#10 Pentachlorophenol

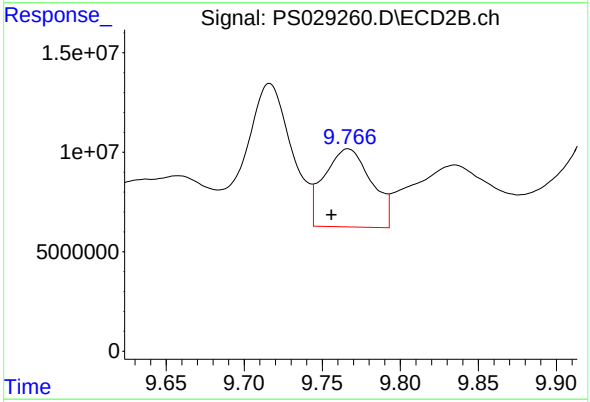
R.T.: 0.000 min
Exp R.T. : 9.379 min
Response: 0
Conc: N.D.



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

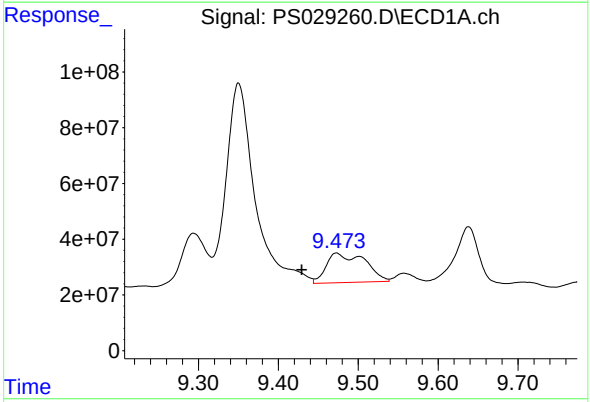
R.T.: 9.103 min
Delta R.T.: -0.035 min
Response: 177746437
Conc: 7.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE



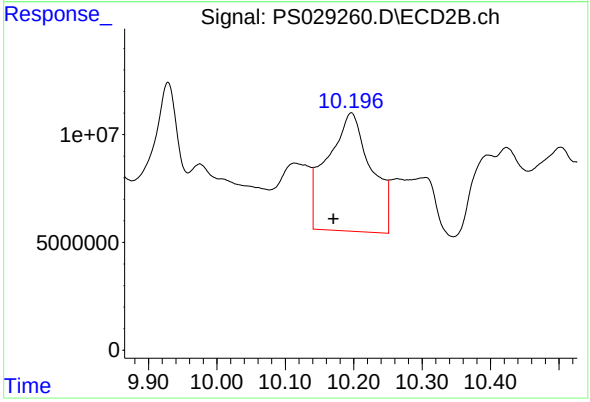
#11 2,4,5-TP (SILVEX)

R.T.: 9.766 min
Delta R.T.: 0.010 min
Response: 82504790
Conc: 9.13 ng/ml



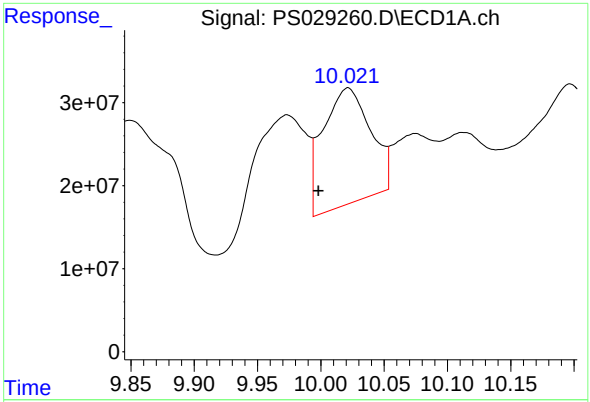
#12 2,4,5-T

R.T.: 9.474 min
Delta R.T.: 0.045 min
Response: 355409709
Conc: 13.94 ng/ml



#12 2,4,5-T

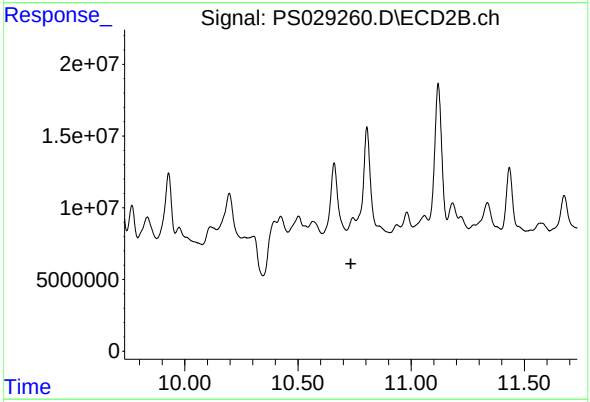
R.T.: 10.196 min
Delta R.T.: 0.026 min
Response: 243277285
Conc: 29.63 ng/ml



#13 2,4-DB

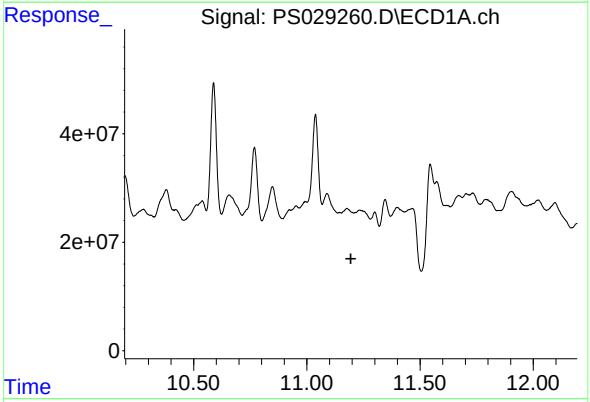
R.T.: 10.021 min
Delta R.T.: 0.023 min
Response: 365636957
Conc: 87.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE



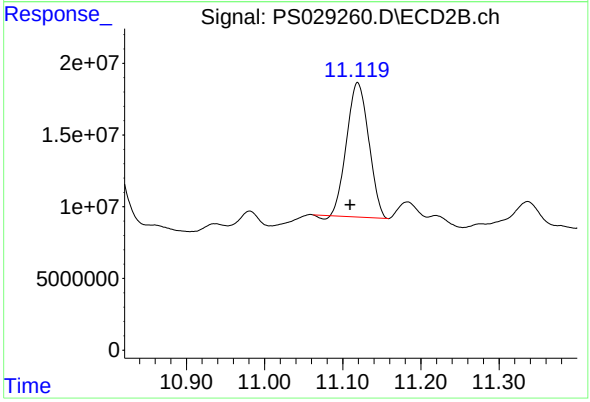
#13 2,4-DB

R.T.: 10.743 min
Delta R.T.: 0.009 min
Response: -4638484
Conc: N.D.



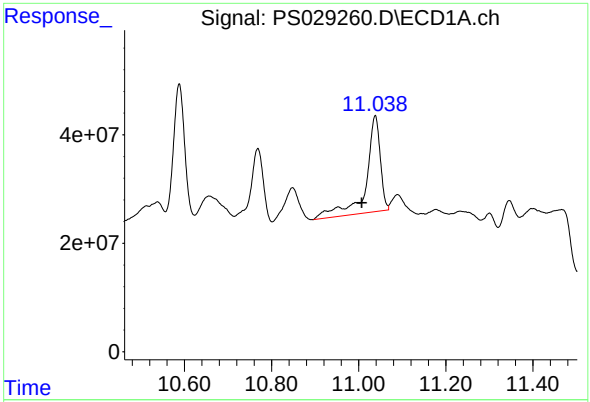
#14 DINOSEB

R.T.: 11.178 min
Delta R.T.: -0.017 min
Response: -12279396
Conc: N.D.



#14 DINOSEB

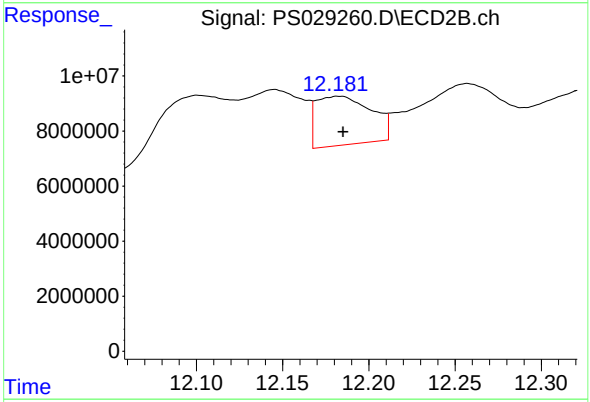
R.T.: 11.119 min
Delta R.T.: 0.010 min
Response: 182800731
Conc: 30.16 ng/ml



#15 Picloram

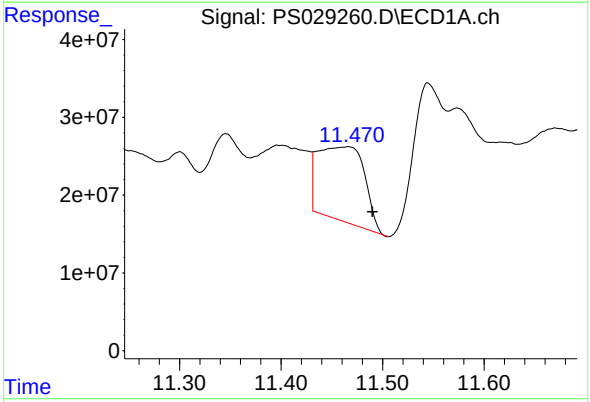
R.T.: 11.038 min
Delta R.T.: 0.031 min
Response: 406958395
Conc: 13.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-17-021725RE



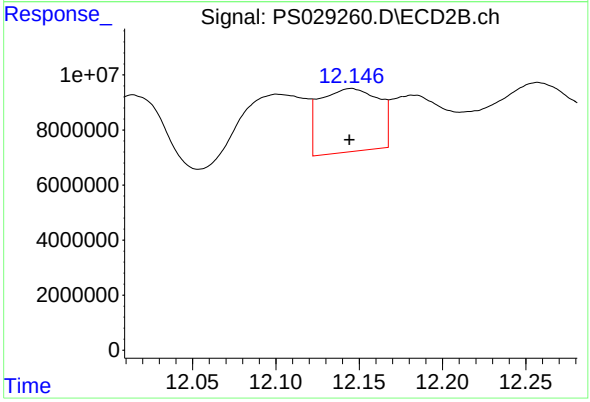
#15 Picloram

R.T.: 12.182 min
Delta R.T.: -0.003 min
Response: 39346145
Conc: 3.40 ng/ml



#16 DCPA

R.T.: 11.462 min
Delta R.T.: -0.028 min
Response: 303692414
Conc: 10.12 ng/ml



#16 DCPA

R.T.: 12.145 min
Delta R.T.: 0.001 min
Response: 56648914
Conc: 4.79 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:59
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: Feb 25 00:55:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.160	7.631	3214.6E6	713.6E6	780.129	758.847
	Target Compounds						
1) T	Dalapon	2.600	2.649	3942.4E6	1461.1E6	714.161	690.154
2) T	3,5-DICHL...	6.342	6.603	4266.5E6	1005.3E6	729.184	709.880
3) T	4-Nitroph...	6.959	7.161	1702.5E6	559.1E6	727.504	700.986
5) T	DICAMBA	7.343	7.825	12881.7E6	3774.5E6	741.778	732.495
6) T	MCPP	7.524	7.931	941.7E6	170.9E6	76.402	73.049
7) T	MCPA	7.672	8.171	1250.7E6	230.3E6	73.808	72.190
8) T	DICHLORPROP	8.043	8.534	3324.3E6	912.4E6	723.239	713.467
9) T	2,4-D	8.271	8.860	3469.2E6	913.4E6	730.293	719.274
10) T	Pentachlo...	8.565	9.377	43981.1E6	17038.9E6	753.666	740.414
11) T	2,4,5-TP ...	9.139	9.755	18452.4E6	6701.1E6	750.494	741.544
12) T	2,4,5-T	9.429	10.169	19095.7E6	6093.6E6	749.181	742.185
13) T	2,4-DB	9.999	10.732	3143.1E6	547.3E6	752.771	714.908
14) T	DINOSEB	11.194	11.108	12333.6E6	4410.2E6	741.611	727.576
15) T	Picloram	11.007	12.183	22709.7E6	8575.4E6	743.519	741.662
16) T	DCPA	11.491	12.141	22489.6E6	8871.4E6	749.567	749.492

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

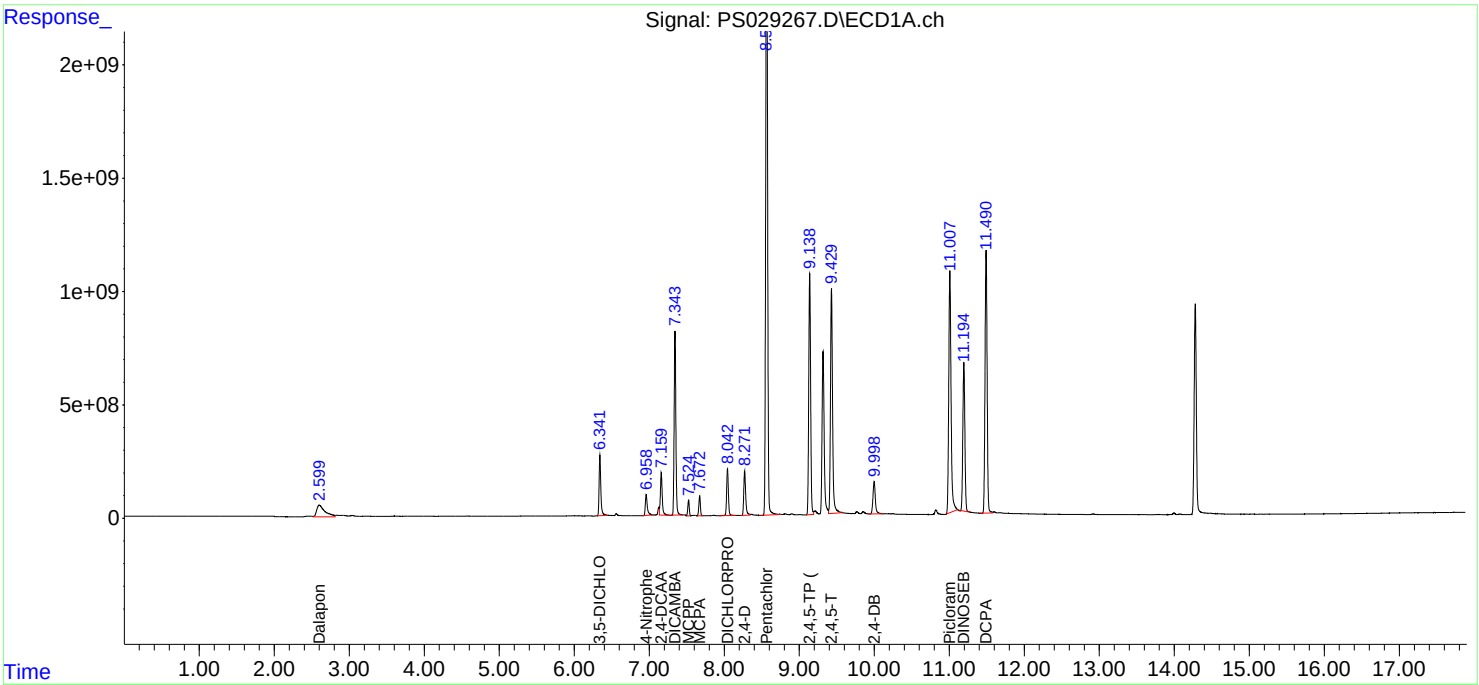
Quantitation Report (Not Reviewed)

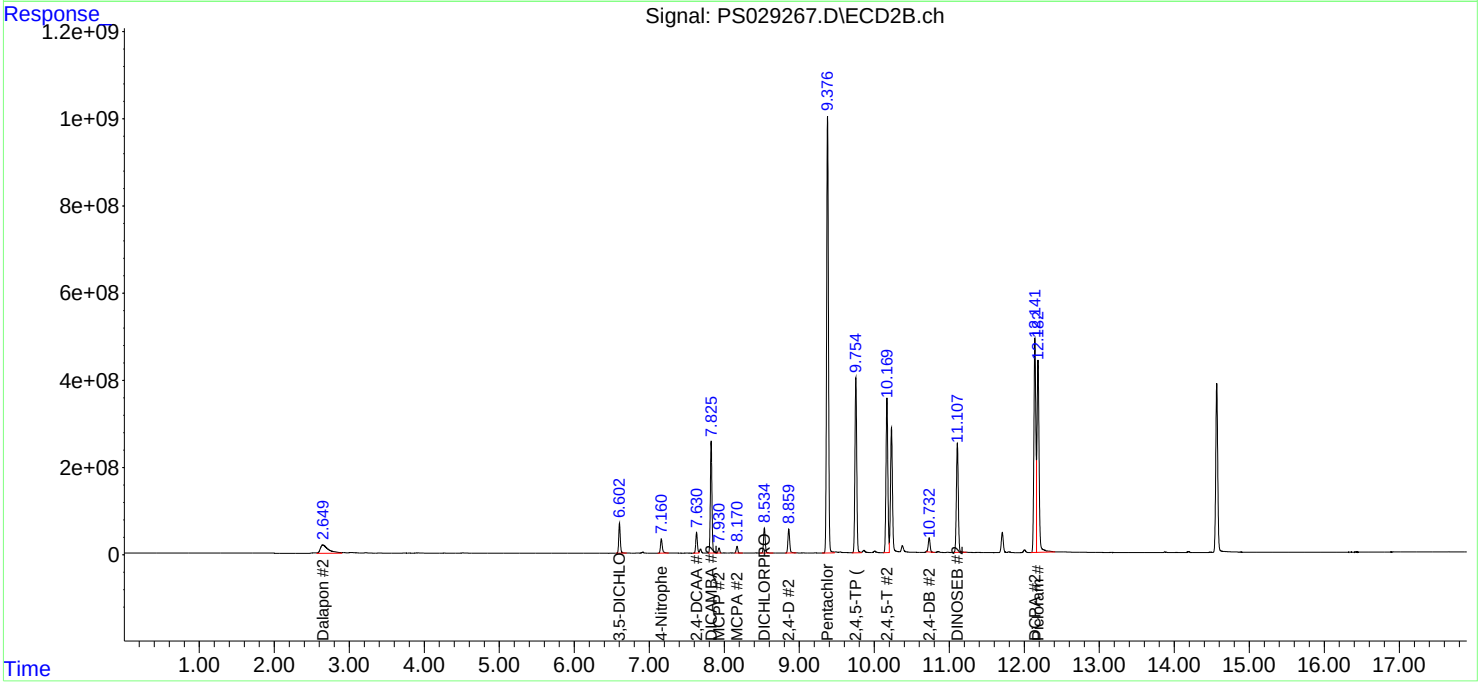
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022425\
Data File : PS029267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Feb 2025 15:59
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

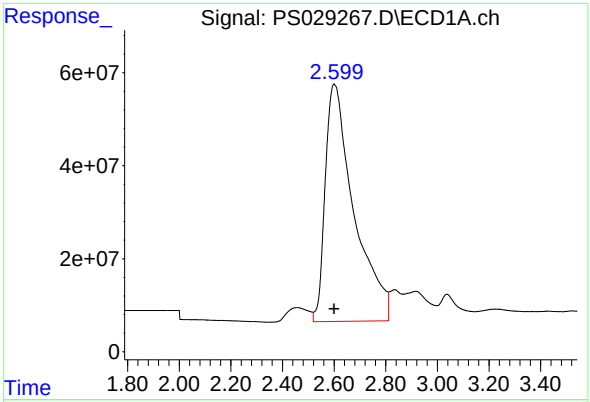
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 25 00:55:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



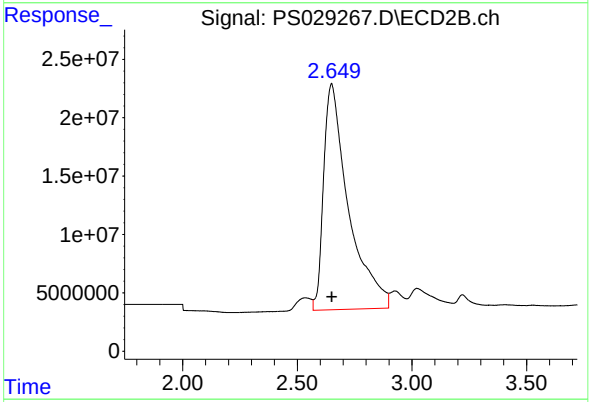




#1 Dalapon

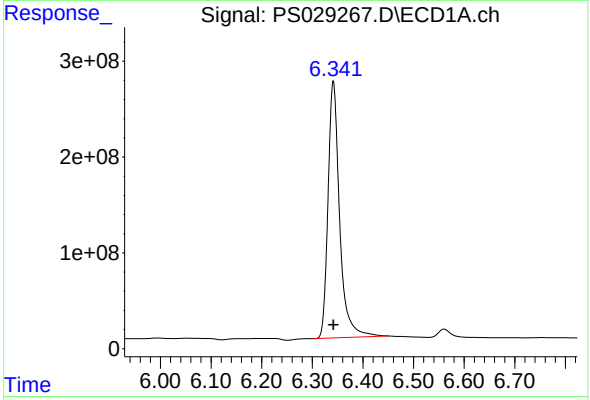
R.T.: 2.600 min
Delta R.T.: 0.000 min
Response: 3942373726
Conc: 714.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



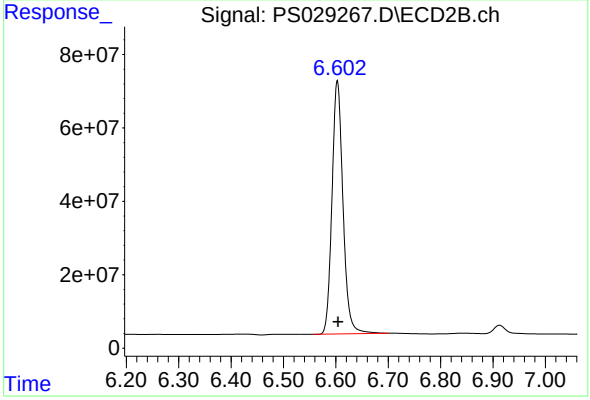
#1 Dalapon

R.T.: 2.649 min
Delta R.T.: -0.002 min
Response: 1461139203
Conc: 690.15 ng/ml



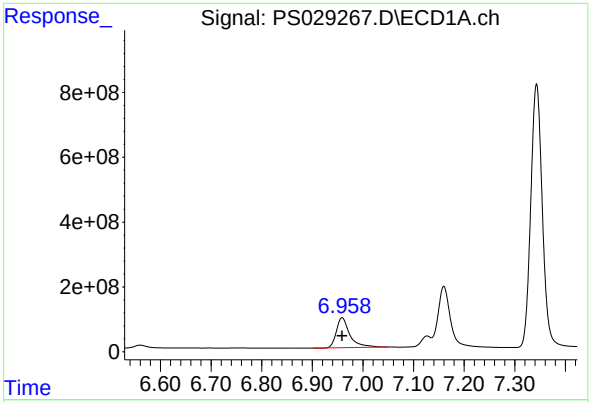
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 4266541036
Conc: 729.18 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

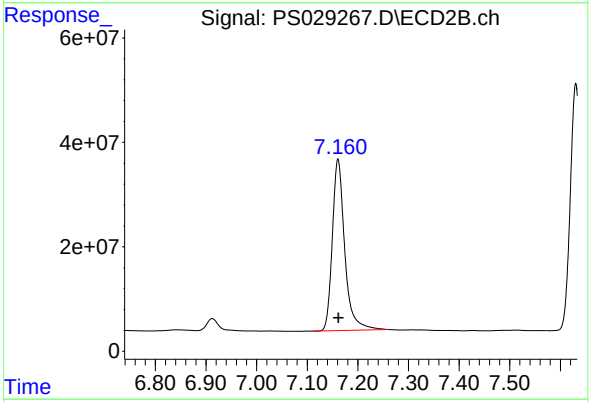
R.T.: 6.603 min
Delta R.T.: -0.001 min
Response: 1005271926
Conc: 709.88 ng/ml



#3 4-Nitrophenol

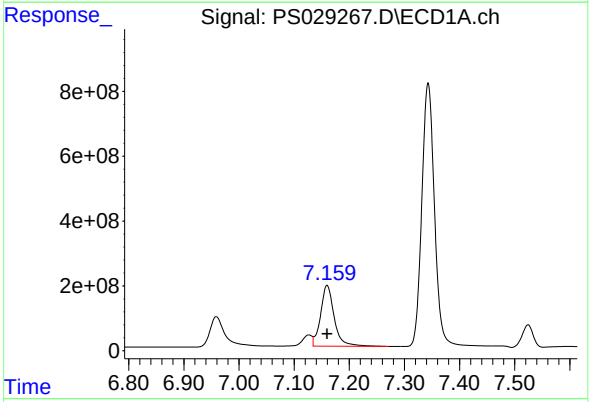
R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 1702493389
Conc: 727.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



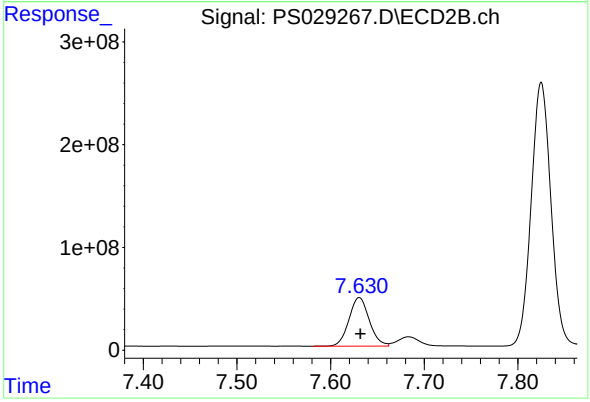
#3 4-Nitrophenol

R.T.: 7.161 min
Delta R.T.: -0.001 min
Response: 559070334
Conc: 700.99 ng/ml



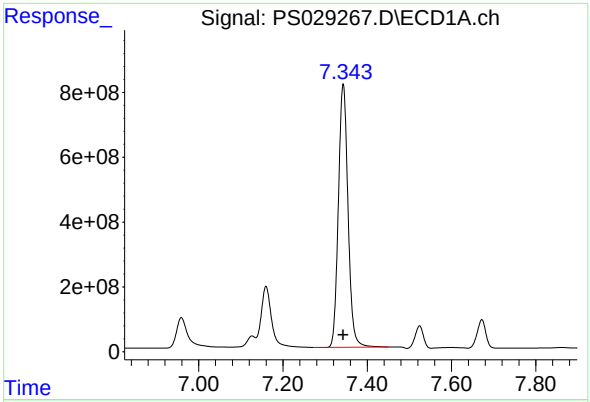
#4 2,4-DCAA

R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 3214583770
Conc: 780.13 ng/ml



#4 2,4-DCAA

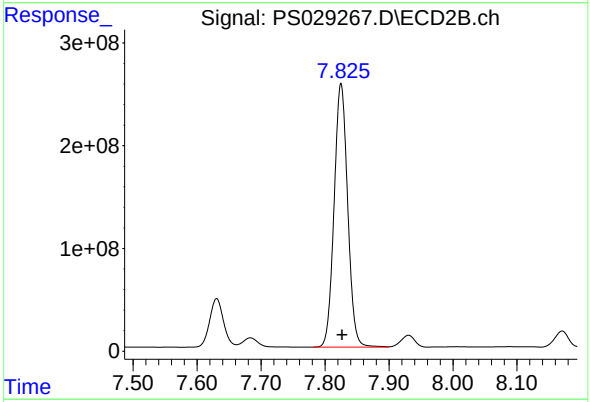
R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 713568538
Conc: 758.85 ng/ml



#5 DICAMBA

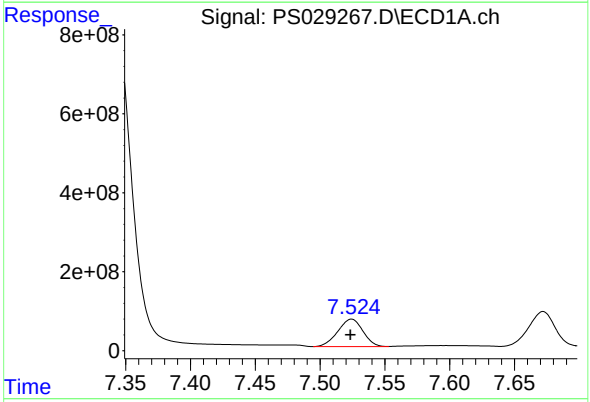
R.T.: 7.343 min
Delta R.T.: 0.000 min
Response: 12881673021
Conc: 741.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



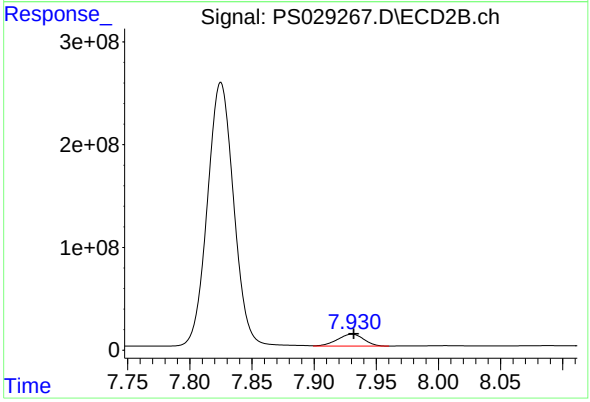
#5 DICAMBA

R.T.: 7.825 min
Delta R.T.: -0.001 min
Response: 3774523192
Conc: 732.49 ng/ml



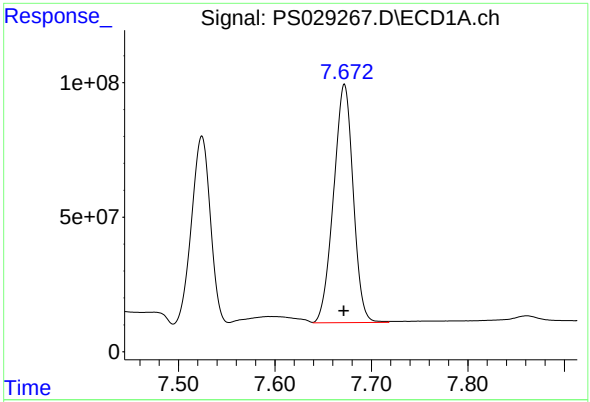
#6 MCPP

R.T.: 7.524 min
Delta R.T.: 0.000 min
Response: 941711911
Conc: 76.40 ug/ml



#6 MCPP

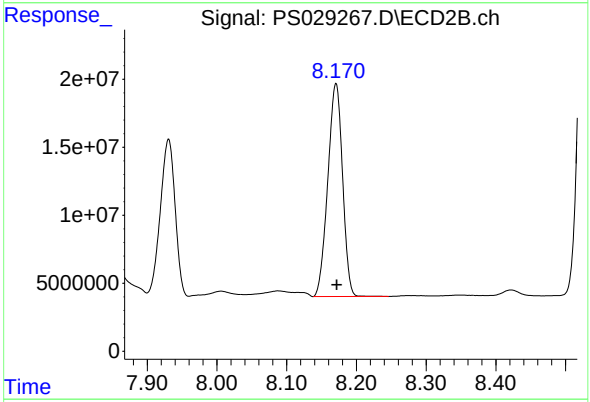
R.T.: 7.931 min
Delta R.T.: -0.001 min
Response: 170871936
Conc: 73.05 ug/ml



#7 MCPA

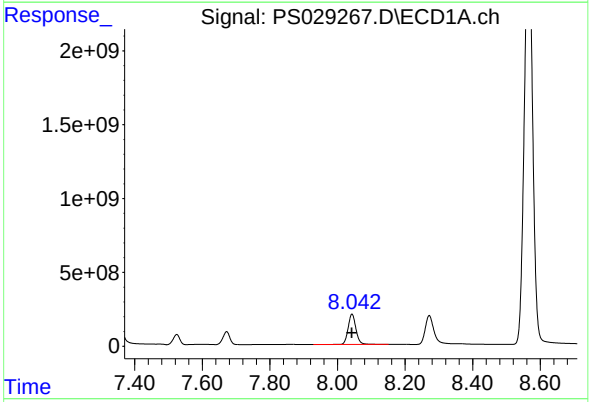
R.T.: 7.672 min
Delta R.T.: 0.000 min
Response: 1250709628
Conc: 73.81 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



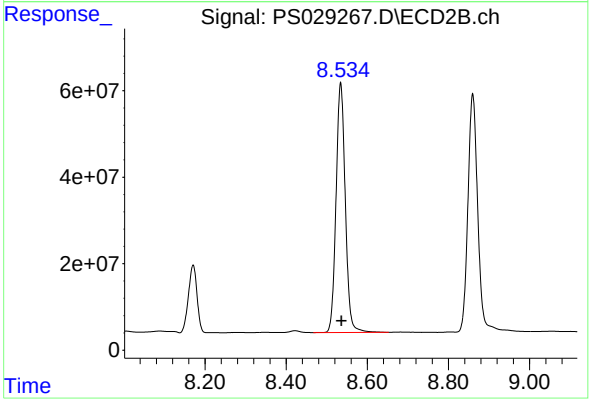
#7 MCPA

R.T.: 8.171 min
Delta R.T.: -0.001 min
Response: 230265628
Conc: 72.19 ug/ml



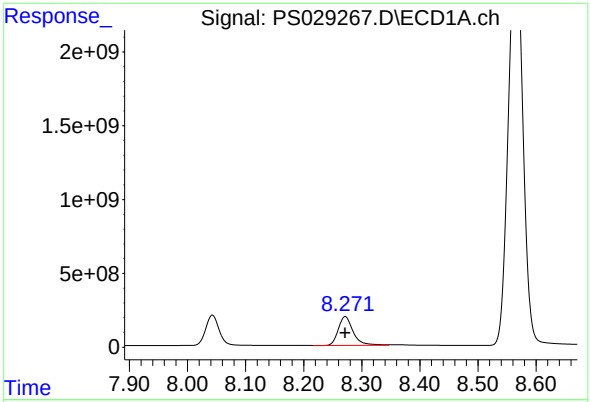
#8 DICHLORPROP

R.T.: 8.043 min
Delta R.T.: 0.000 min
Response: 3324340064
Conc: 723.24 ng/ml



#8 DICHLORPROP

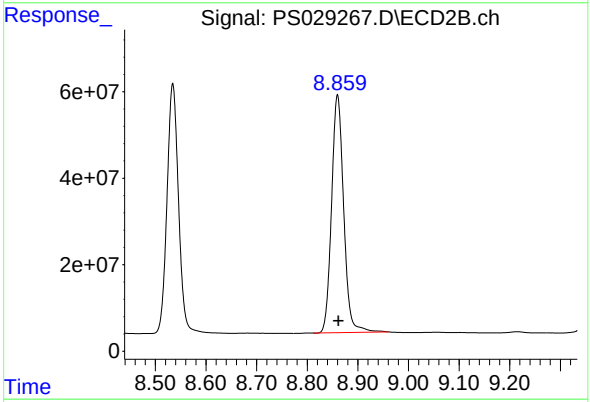
R.T.: 8.534 min
Delta R.T.: -0.002 min
Response: 912353617
Conc: 713.47 ng/ml



#9 2,4-D

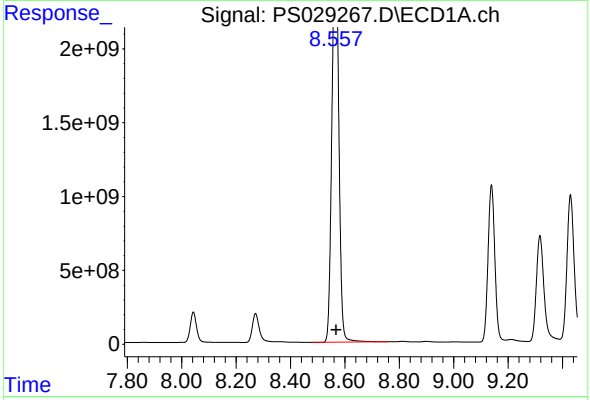
R.T.: 8.271 min
Delta R.T.: 0.000 min
Response: 3469205096
Conc: 730.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



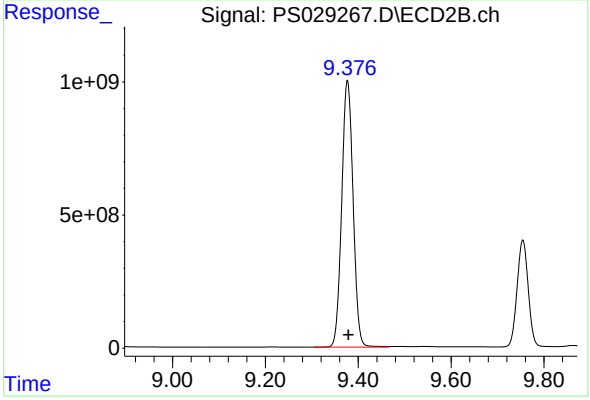
#9 2,4-D

R.T.: 8.860 min
Delta R.T.: -0.001 min
Response: 913403251
Conc: 719.27 ng/ml



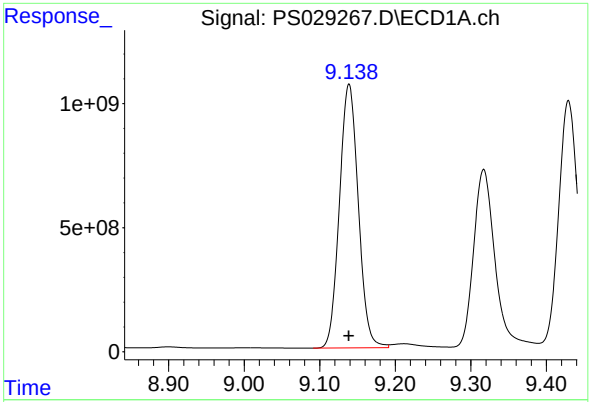
#10 Pentachlorophenol

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 43981102093
Conc: 753.67 ng/ml



#10 Pentachlorophenol

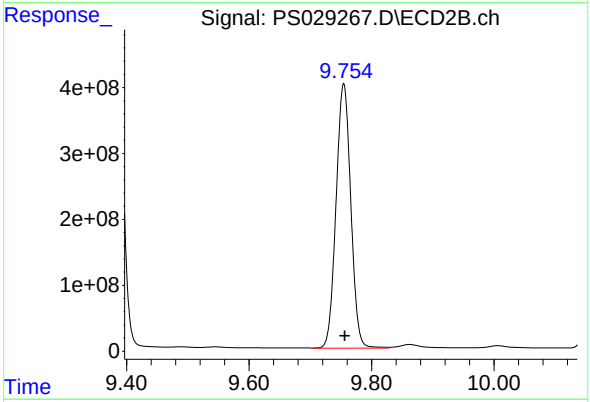
R.T.: 9.377 min
Delta R.T.: -0.002 min
Response: 17038919558
Conc: 740.41 ng/ml



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

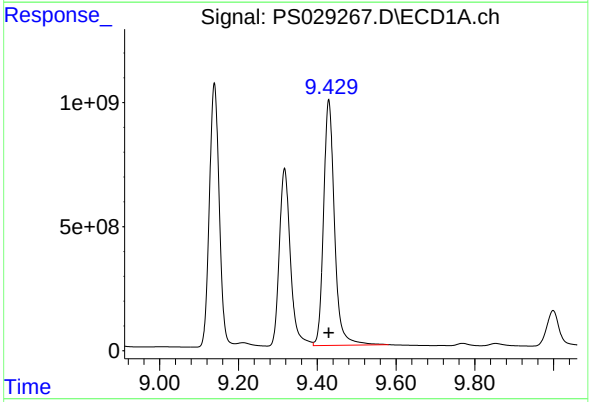
R.T.: 9.139 min
Delta R.T.: 0.000 min
Response: 18452362726
Conc: 750.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



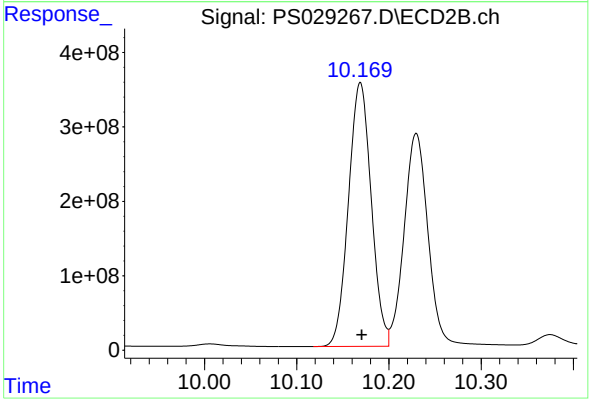
#11 2,4,5-TP (SILVEX)

R.T.: 9.755 min
Delta R.T.: -0.001 min
Response: 6701110015
Conc: 741.54 ng/ml



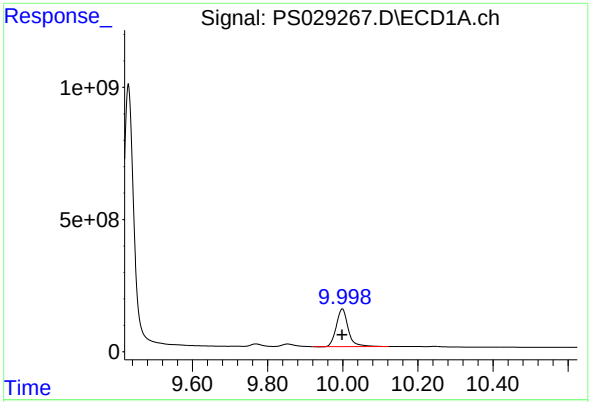
#12 2,4,5-T

R.T.: 9.429 min
Delta R.T.: 0.000 min
Response: 19095657389
Conc: 749.18 ng/ml



#12 2,4,5-T

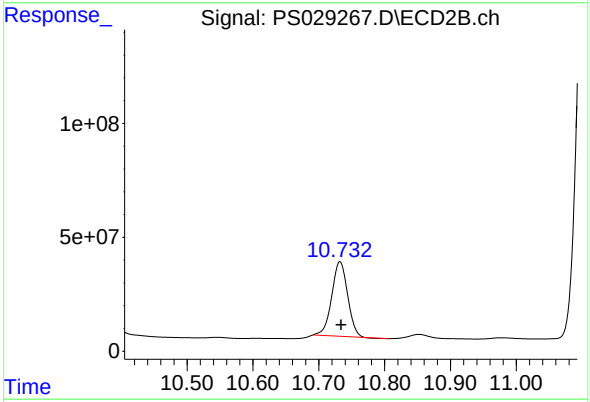
R.T.: 10.169 min
Delta R.T.: -0.001 min
Response: 6093551999
Conc: 742.18 ng/ml



#13 2,4-DB

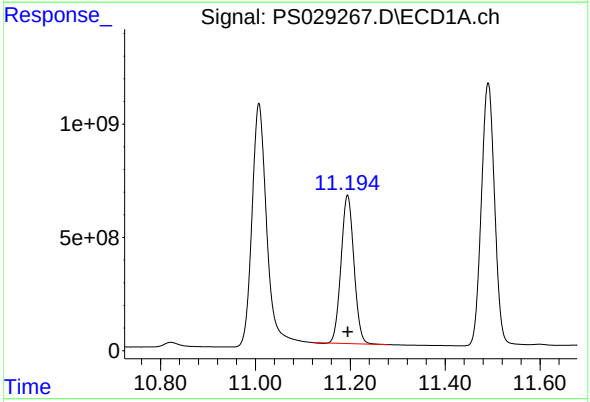
R.T.: 9.999 min
Delta R.T.: 0.000 min
Response: 3143141702
Conc: 752.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



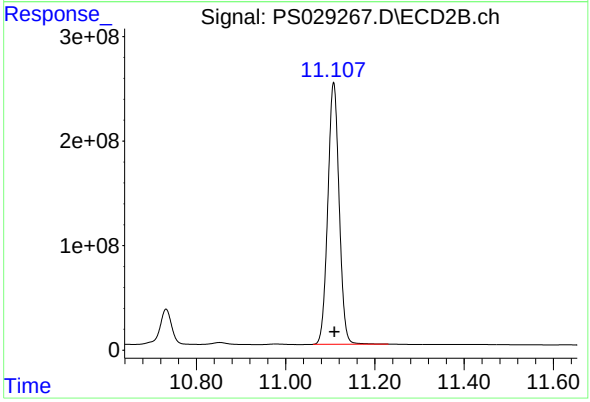
#13 2,4-DB

R.T.: 10.732 min
Delta R.T.: -0.002 min
Response: 547327416
Conc: 714.91 ng/ml



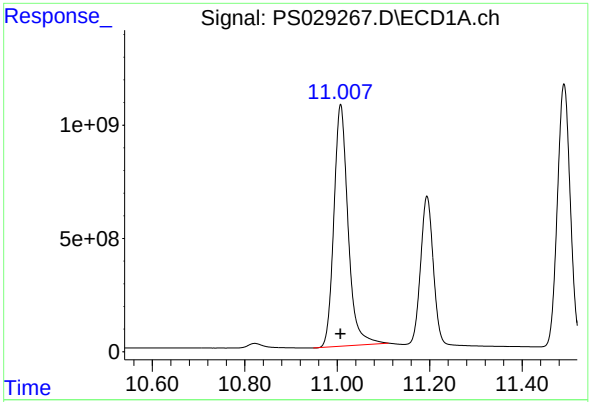
#14 DINOSEB

R.T.: 11.194 min
Delta R.T.: 0.000 min
Response: 12333606207
Conc: 741.61 ng/ml



#14 DINOSEB

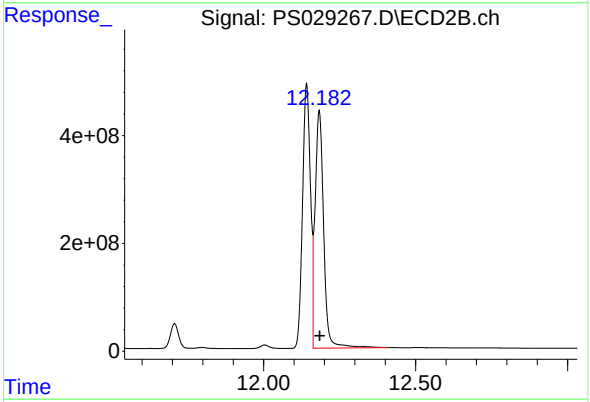
R.T.: 11.108 min
Delta R.T.: -0.002 min
Response: 4410222599
Conc: 727.58 ng/ml



#15 Picloram

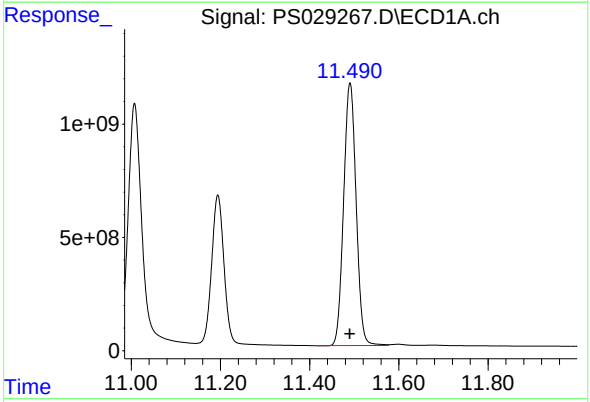
R.T.: 11.007 min
Delta R.T.: 0.000 min
Response: 22709666446
Conc: 743.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



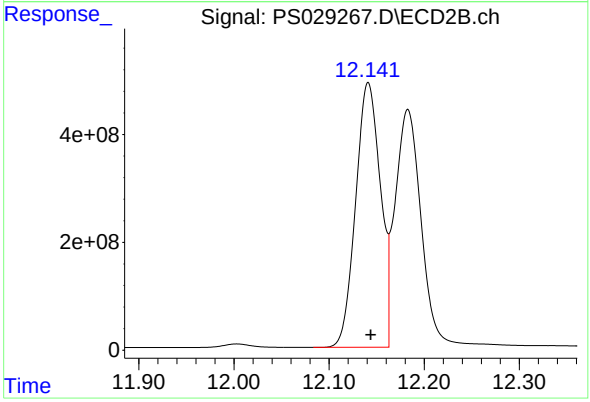
#15 Picloram

R.T.: 12.183 min
Delta R.T.: -0.002 min
Response: 8575415182
Conc: 741.66 ng/ml



#16 DCPA

R.T.: 11.491 min
Delta R.T.: 0.000 min
Response: 22489621954
Conc: 749.57 ng/ml



#16 DCPA

R.T.: 12.141 min
Delta R.T.: -0.003 min
Response: 8871400567
Conc: 749.49 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 12:55
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: Feb 27 04:01:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.161	7.624	3298.9E6	725.9E6	800.587	771.965
	Target Compounds						
1) T	Dalapon	2.600	2.640	3960.8E6	1430.7E6	717.502	675.779
2) T	3,5-DICHL...	6.342	6.596	4472.5E6	1024.1E6	764.386	723.187
3) T	4-Nitroph...	6.959	7.154	1832.6E6	577.0E6	783.092	723.436
5) T	DICAMBA	7.345	7.818	13297.4E6	3840.9E6	765.714	745.385
6) T	MCPP	7.527	7.925	956.0E6	169.1E6	77.563	72.310
7) T	MCPA	7.675	8.165	1281.2E6	231.1E6	75.606	72.442
8) T	DICHLORPROP	8.044	8.528	3405.3E6	924.6E6	740.861	723.008
9) T	2,4-D	8.274	8.852	3579.3E6	932.6E6	753.461	734.422
10) T	Pentachlo...	8.572	9.371	44745.0E6	17421.5E6	766.757	757.039
11) T	2,4,5-TP ...	9.141	9.748	18937.3E6	6848.5E6	770.216	757.849
12) T	2,4,5-T	9.432	10.162	19401.6E6	6216.4E6	761.185	757.147
13) T	2,4-DB	10.001	10.725	3262.2E6	528.1E6	781.282	689.842
14) T	DINOSEB	11.199	11.101	12540.7E6	4438.1E6	754.065	732.183
15) T	Picloram	11.010	12.175	23609.8E6	8849.6E6	772.990	765.375
16) T	DCPA	11.495	12.135	23271.5E6	9143.4E6	775.626	772.474

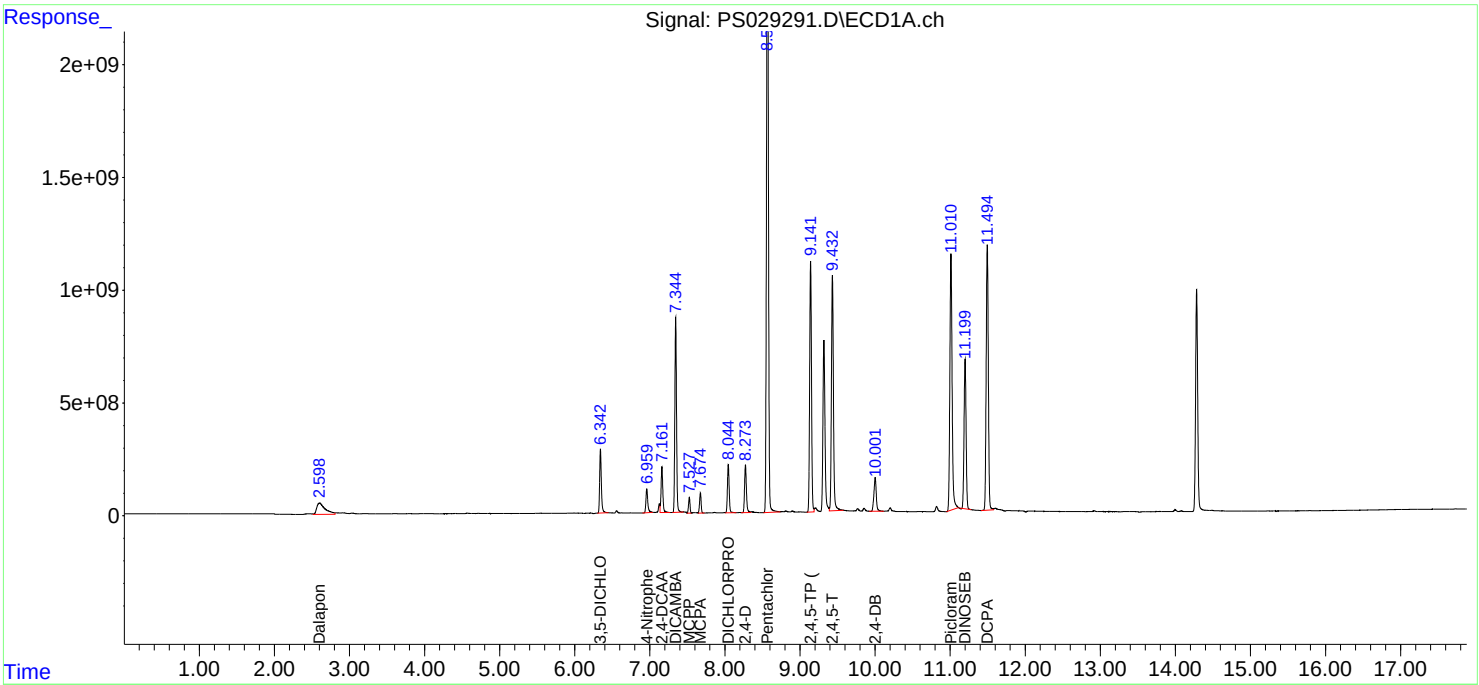
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

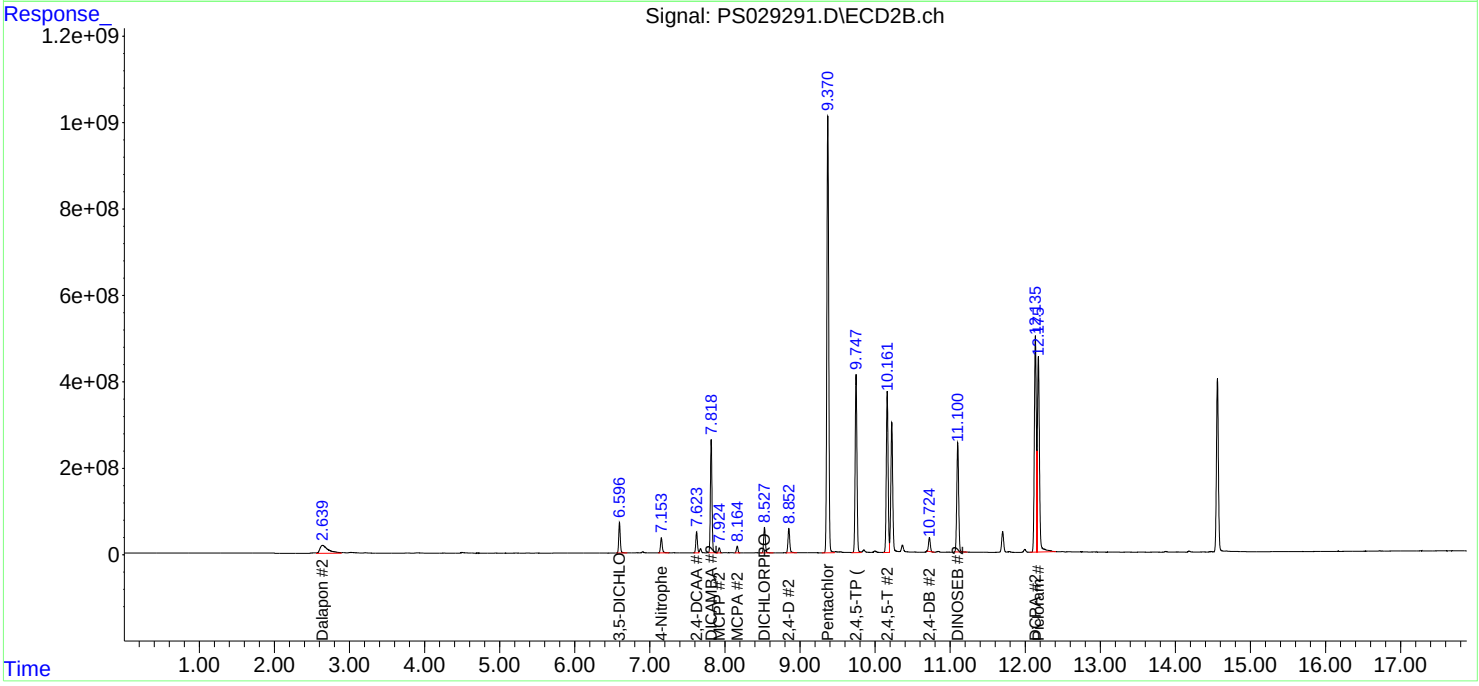
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 12:55
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

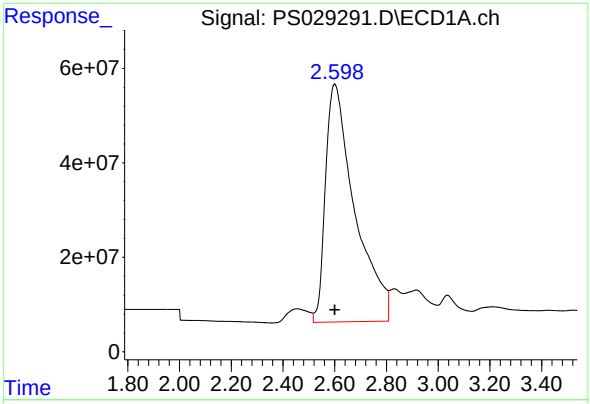
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:01:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



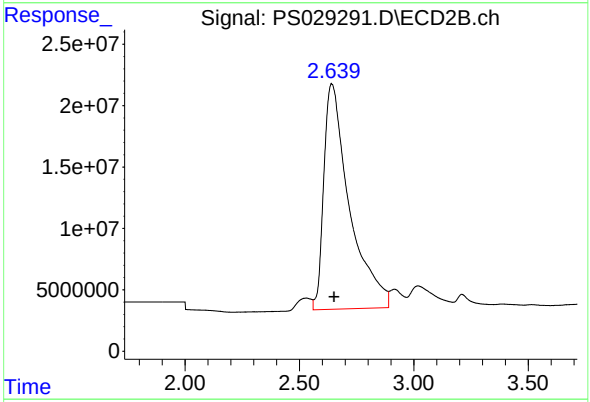




#1 Dalapon

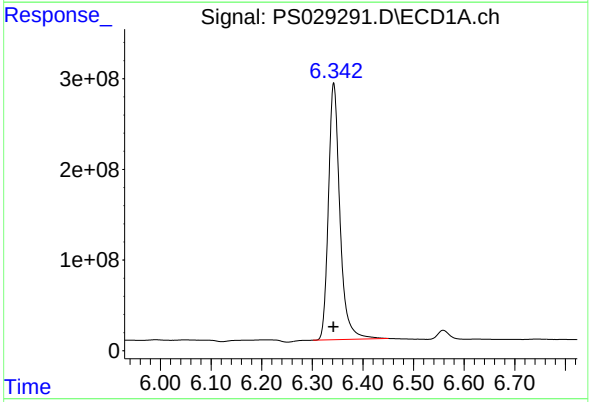
R.T.: 2.600 min
Delta R.T.: 0.000 min
Response: 3960817195
Conc: 717.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



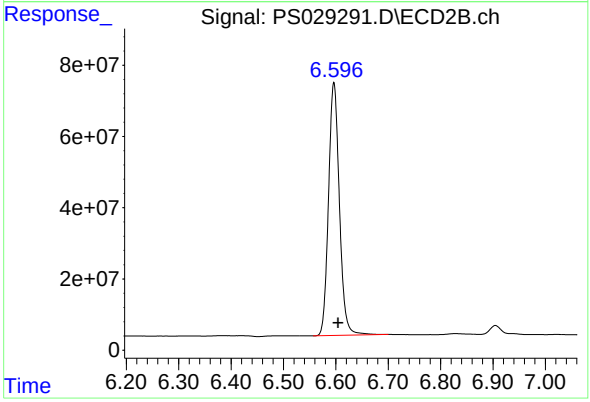
#1 Dalapon

R.T.: 2.640 min
Delta R.T.: -0.011 min
Response: 1430705235
Conc: 675.78 ng/ml



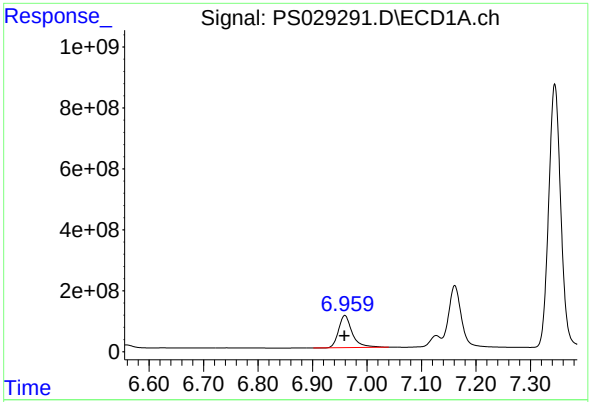
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 4472511577
Conc: 764.39 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

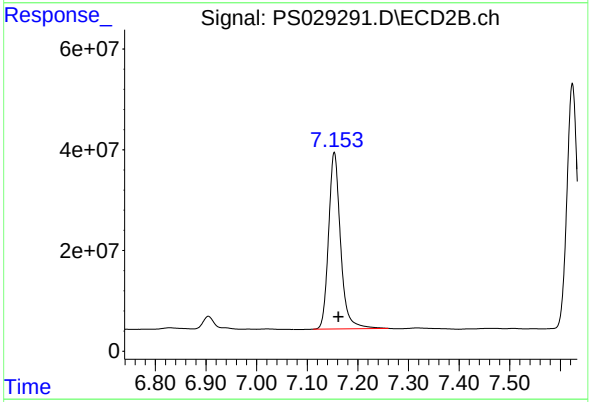
R.T.: 6.596 min
Delta R.T.: -0.008 min
Response: 1024116283
Conc: 723.19 ng/ml



#3 4-Nitrophenol

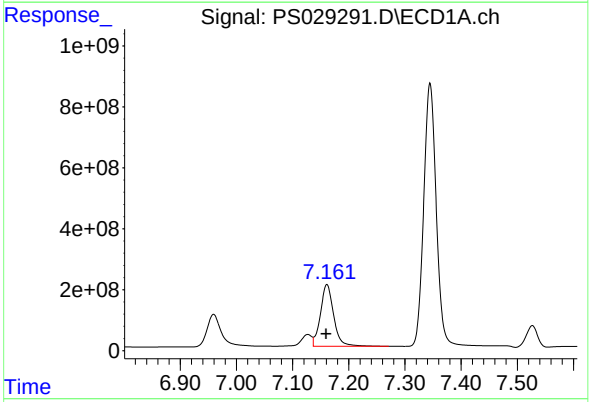
R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 1832580157
Conc: 783.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



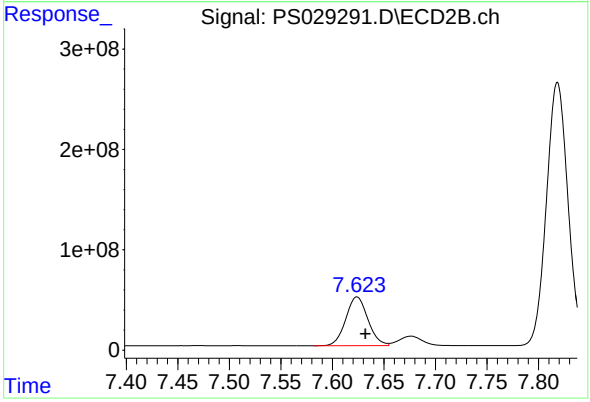
#3 4-Nitrophenol

R.T.: 7.154 min
Delta R.T.: -0.009 min
Response: 576975172
Conc: 723.44 ng/ml



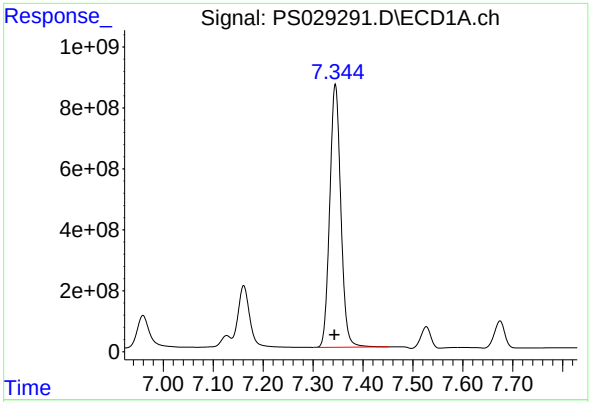
#4 2,4-DCAA

R.T.: 7.161 min
Delta R.T.: 0.001 min
Response: 3298883134
Conc: 800.59 ng/ml



#4 2,4-DCAA

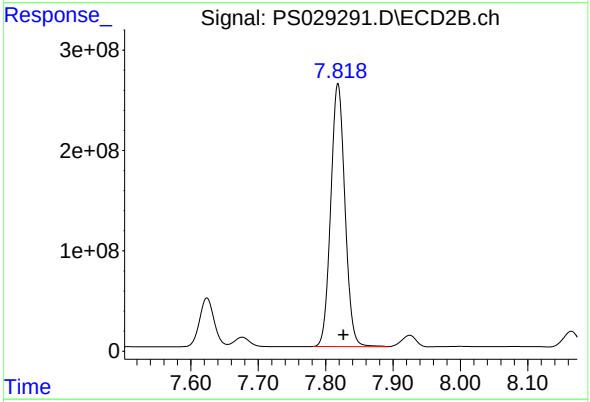
R.T.: 7.624 min
Delta R.T.: -0.008 min
Response: 725903642
Conc: 771.96 ng/ml



#5 DICAMBA

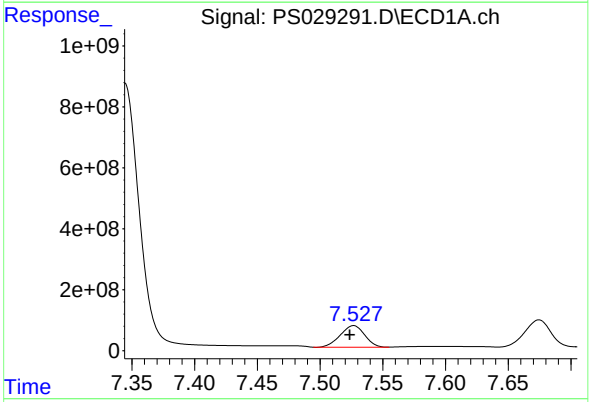
R.T.: 7.345 min
Delta R.T.: 0.002 min
Response: 13297357950
Conc: 765.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



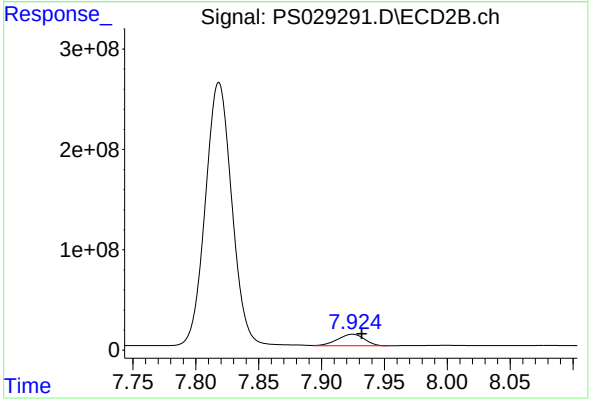
#5 DICAMBA

R.T.: 7.818 min
Delta R.T.: -0.008 min
Response: 3840944594
Conc: 745.38 ng/ml



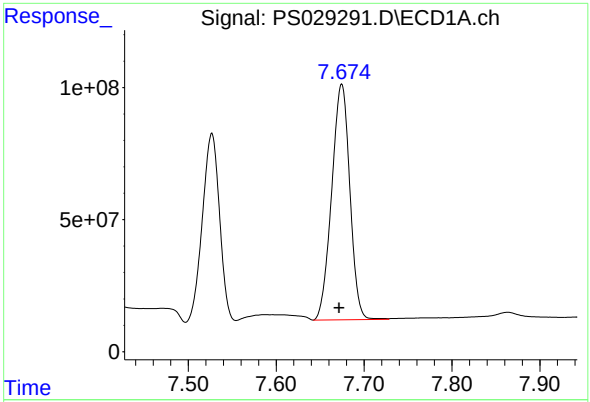
#6 MCPP

R.T.: 7.527 min
Delta R.T.: 0.003 min
Response: 956022849
Conc: 77.56 ug/ml



#6 MCPP

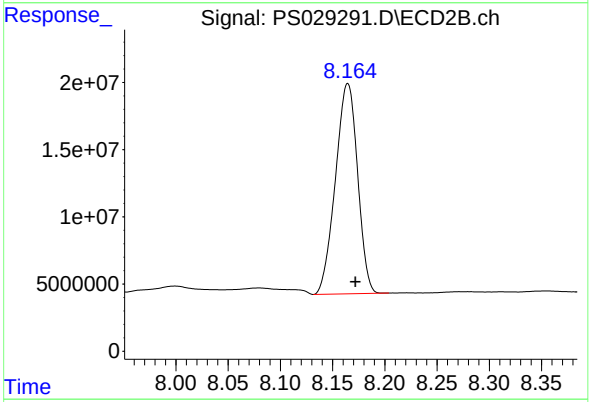
R.T.: 7.925 min
Delta R.T.: -0.007 min
Response: 169143552
Conc: 72.31 ug/ml



#7 MCPA

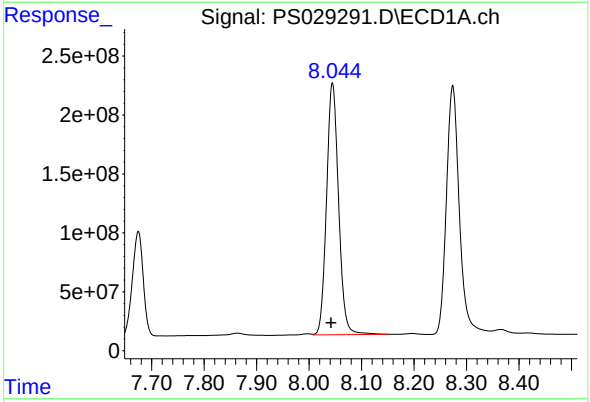
R.T.: 7.675 min
Delta R.T.: 0.003 min
Response: 1281166585
Conc: 75.61 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



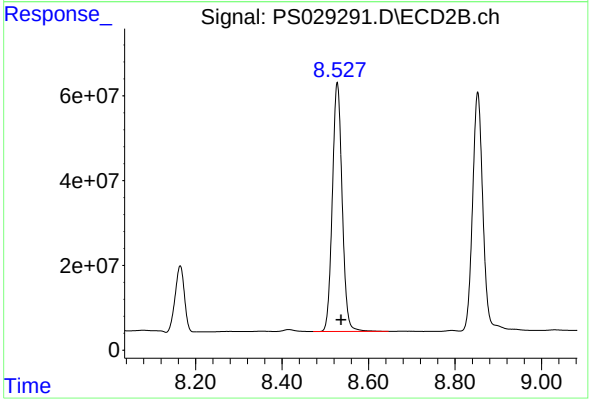
#7 MCPA

R.T.: 8.165 min
Delta R.T.: -0.007 min
Response: 231068348
Conc: 72.44 ug/ml



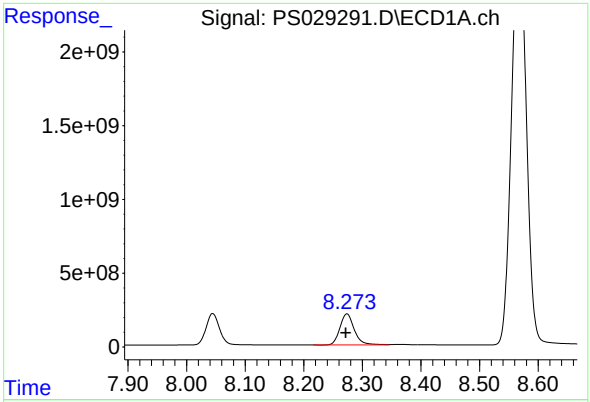
#8 DICHLORPROP

R.T.: 8.044 min
Delta R.T.: 0.003 min
Response: 3405338905
Conc: 740.86 ng/ml



#8 DICHLORPROP

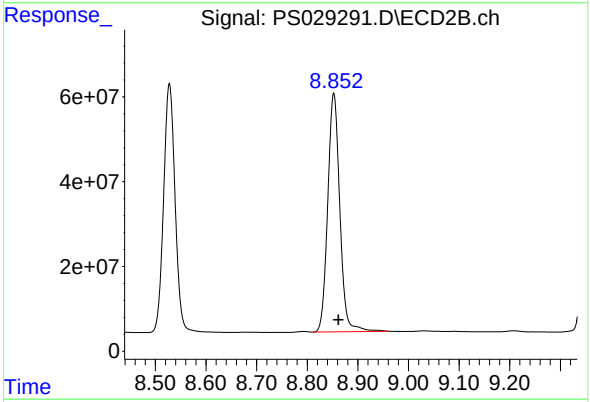
R.T.: 8.528 min
Delta R.T.: -0.009 min
Response: 924553778
Conc: 723.01 ng/ml



#9 2,4-D

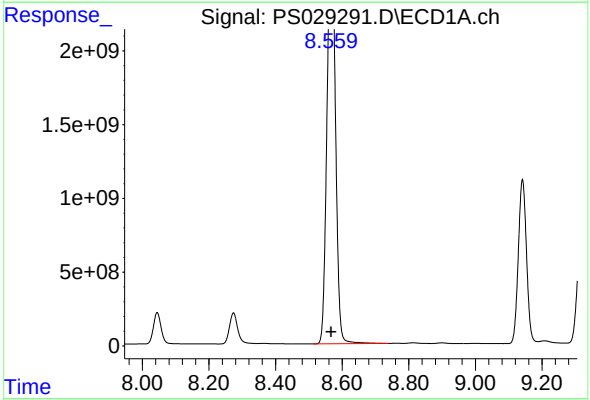
R.T.: 8.274 min
Delta R.T.: 0.002 min
Response: 3579263531
Conc: 753.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



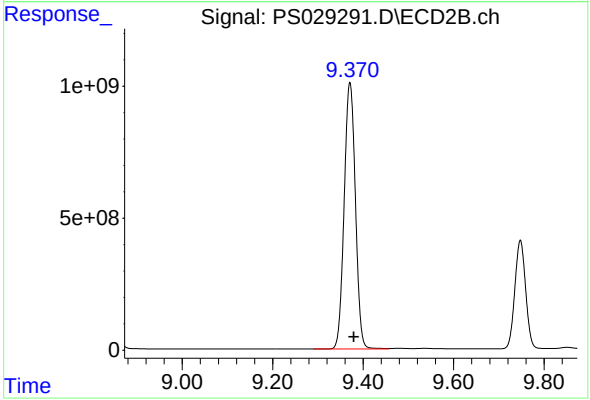
#9 2,4-D

R.T.: 8.852 min
Delta R.T.: -0.009 min
Response: 932639654
Conc: 734.42 ng/ml



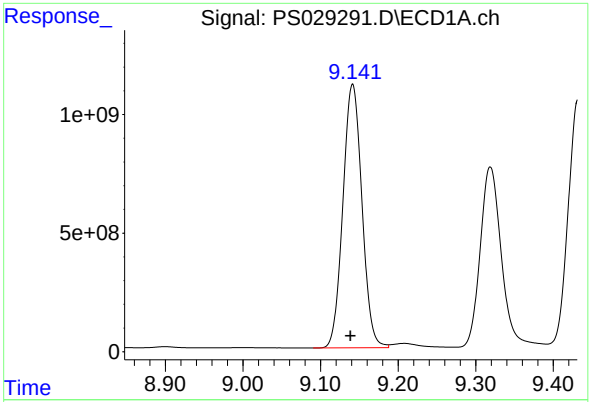
#10 Pentachlorophenol

R.T.: 8.572 min
Delta R.T.: 0.005 min
Response: 44745031571
Conc: 766.76 ng/ml



#10 Pentachlorophenol

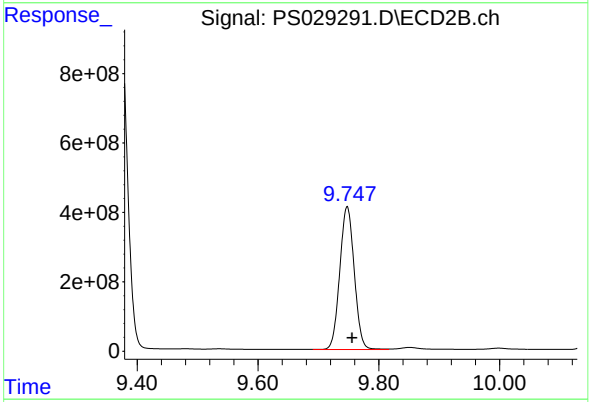
R.T.: 9.371 min
Delta R.T.: -0.008 min
Response: 17421485799
Conc: 757.04 ng/ml



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

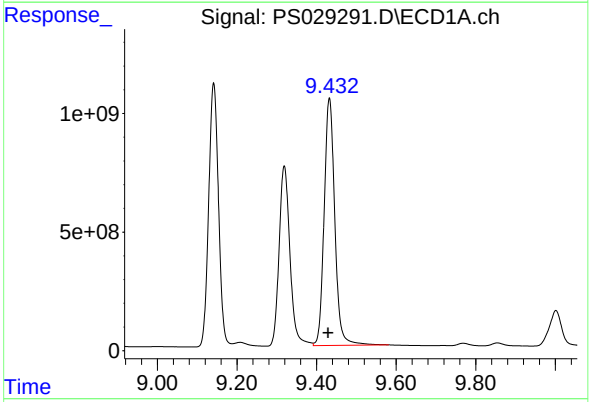
R.T.: 9.141 min
Delta R.T.: 0.003 min
Response: 18937262517
Conc: 770.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



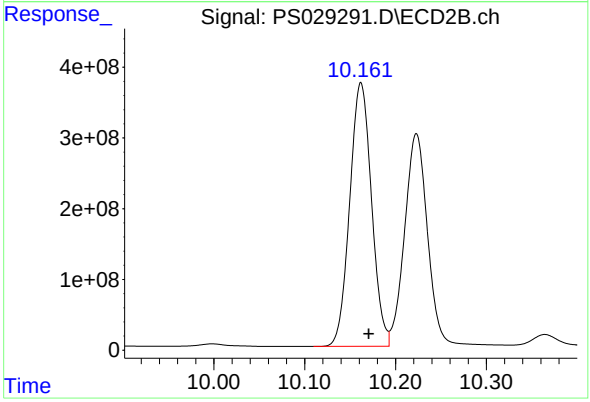
#11 2,4,5-TP (SILVEX)

R.T.: 9.748 min
Delta R.T.: -0.008 min
Response: 6848455979
Conc: 757.85 ng/ml



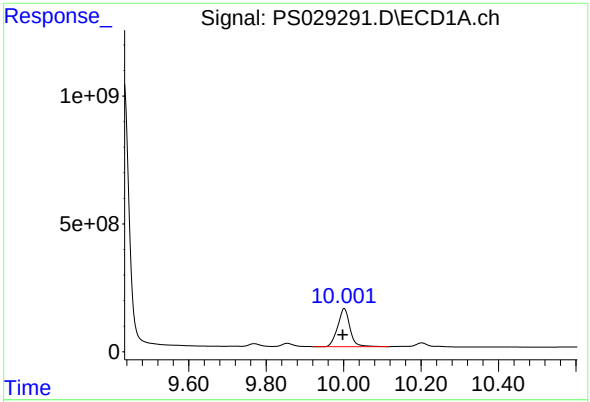
#12 2,4,5-T

R.T.: 9.432 min
Delta R.T.: 0.003 min
Response: 19401627424
Conc: 761.19 ng/ml



#12 2,4,5-T

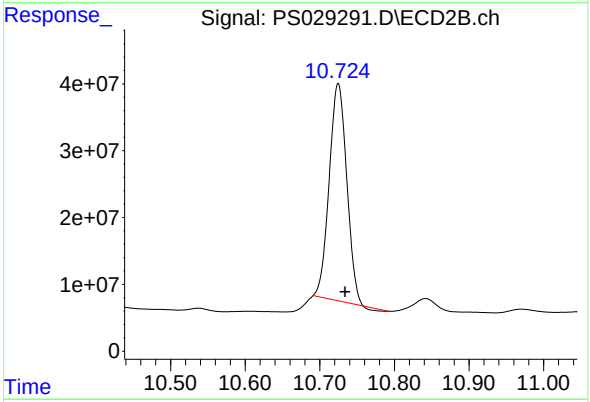
R.T.: 10.162 min
Delta R.T.: -0.009 min
Response: 6216397596
Conc: 757.15 ng/ml



#13 2,4-DB

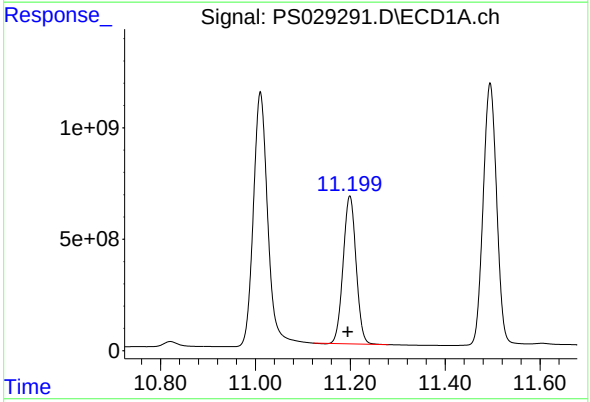
R.T.: 10.001 min
Delta R.T.: 0.003 min
Response: 3262188436
Conc: 781.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



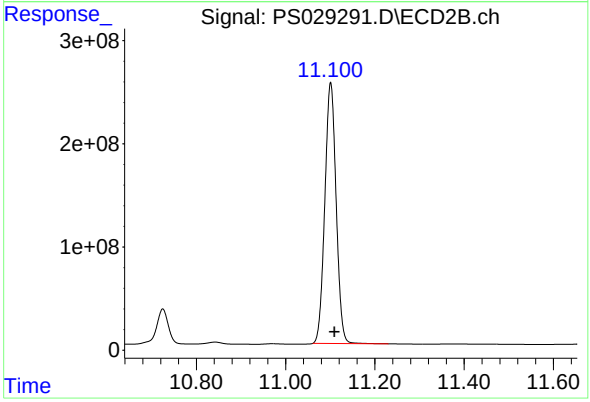
#13 2,4-DB

R.T.: 10.725 min
Delta R.T.: -0.009 min
Response: 528137275
Conc: 689.84 ng/ml



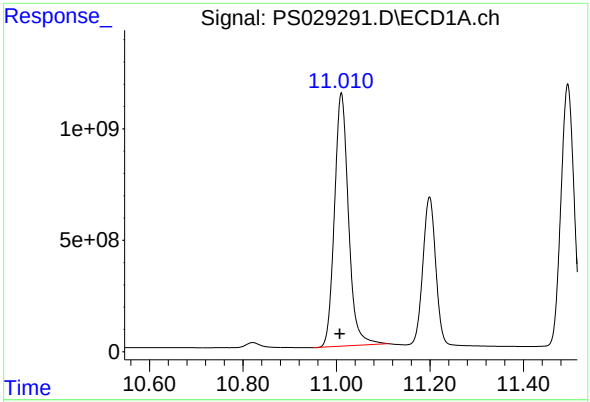
#14 DINOSEB

R.T.: 11.199 min
Delta R.T.: 0.005 min
Response: 12540721814
Conc: 754.06 ng/ml



#14 DINOSEB

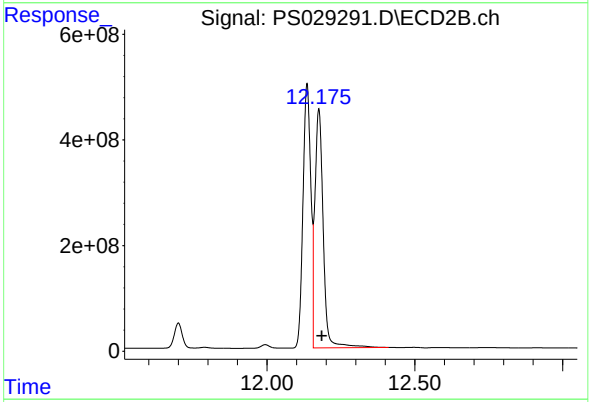
R.T.: 11.101 min
Delta R.T.: -0.008 min
Response: 4438145417
Conc: 732.18 ng/ml



#15 Picloram

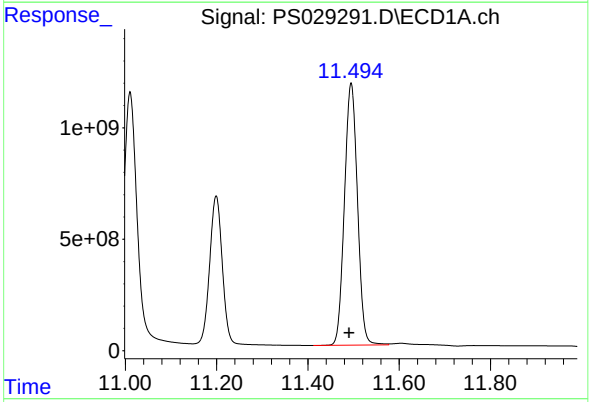
R.T.: 11.010 min
Delta R.T.: 0.004 min
Response: 23609806923
Conc: 772.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



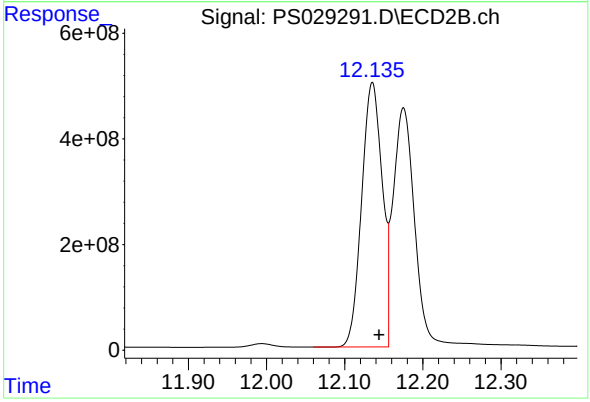
#15 Picloram

R.T.: 12.175 min
Delta R.T.: -0.010 min
Response: 8849592850
Conc: 765.37 ng/ml



#16 DCPA

R.T.: 11.495 min
Delta R.T.: 0.005 min
Response: 23271487472
Conc: 775.63 ng/ml



#16 DCPA

R.T.: 12.135 min
Delta R.T.: -0.009 min
Response: 9143433570
Conc: 772.47 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 14:58
Operator : AR\AJ
Sample : Q1383-21
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:01:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.161	7.625	1298.2E6	214.9E6	315.044	228.504	#
	Target Compounds							
1) T	Dalapon	2.568f	2.629	755.0E6	329.3E6	136.767	155.544	
2) T	3,5-DICHL...	6.326	6.628	-2064429	16542175	N.D.	11.681	
3) T	4-Nitroph...	6.964	7.167	2884639	10289730	1.233	12.902	#
5) T	DICAMBA	7.359	0.000	32221157	0	1.855	N.D.	#
6) T	MCPP	0.000	7.910	0	3771412	N.D.	1.612	
7) T	MCPA	7.694	8.138f	80336072	30047529	4.741	9.420	#
8) T	DICHLORPROP	8.044	8.568f	18783370	84822345	4.086	66.332	#
9) T	2,4-D	8.249	0.000	128.8E6	0	27.118	N.D.	#
10) T	Pentachlo...	8.566	9.364	55768039	11978341	<MDL	<MDL	#
11) T	2,4,5-TP ...	9.098f	9.794f	47915872	47353490	1.949	5.240	#
12) T	2,4,5-T	9.434	10.165	53827917	84446417	2.112	10.285	#
13) T	2,4-DB	10.029f	0.000	369.4E6	0	88.465	N.D.	#
14) T	DINOSEB	11.186	11.099	2837305	27123982	<MDL	4.475	#
15) T	Picloram	11.017	12.180	413.1E6	160.0E6	13.525	13.835	
16) T	DCPA	0.000	12.180f	0	160.0E6	N.D.	13.515	

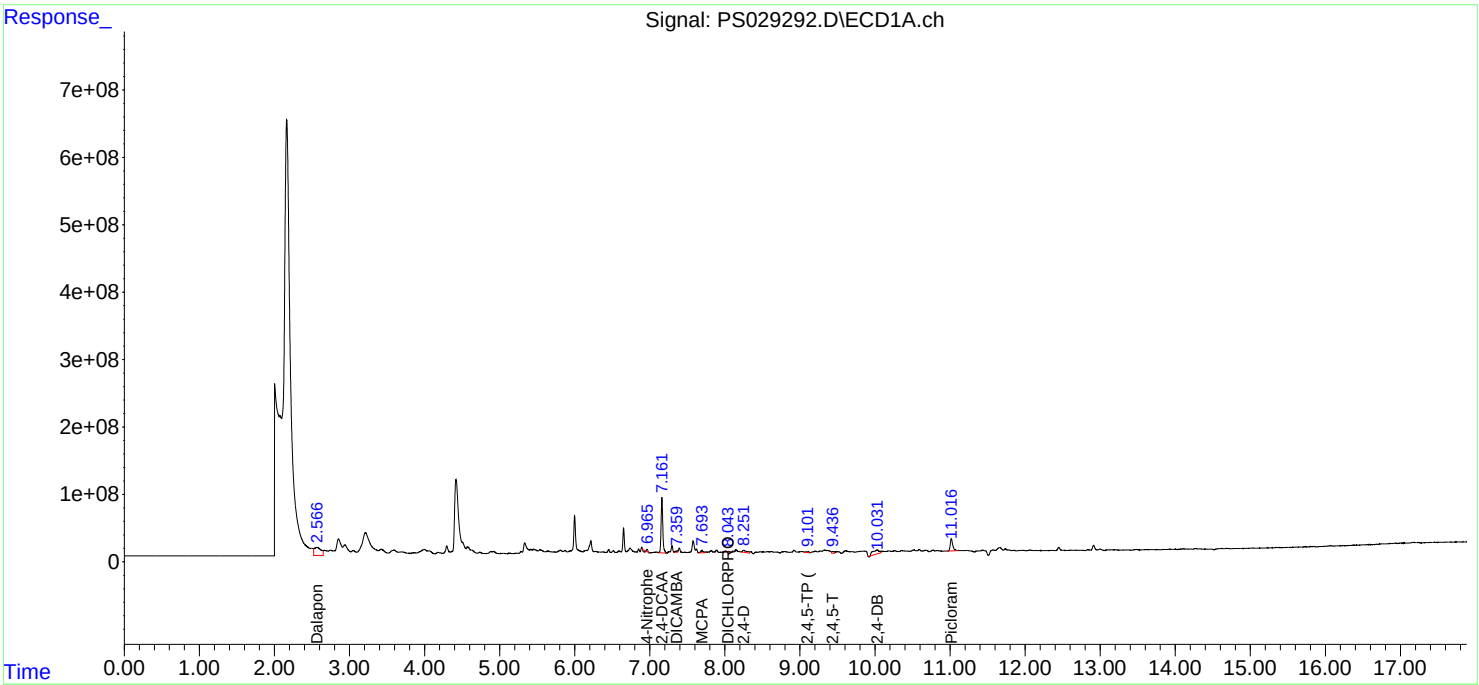
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

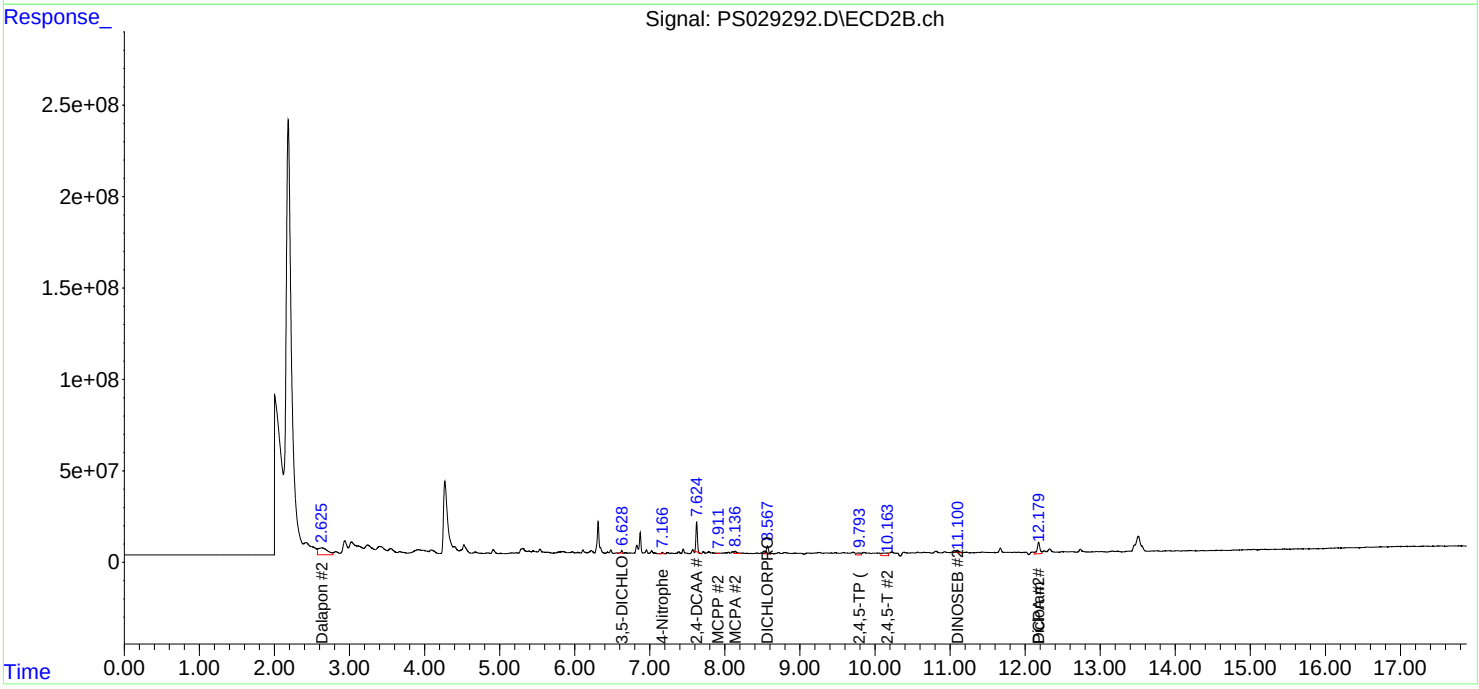
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 14:58
Operator : AR\AJ
Sample : Q1383-21
Misc :
ALS Vial : 4 Sample Multiplier: 1

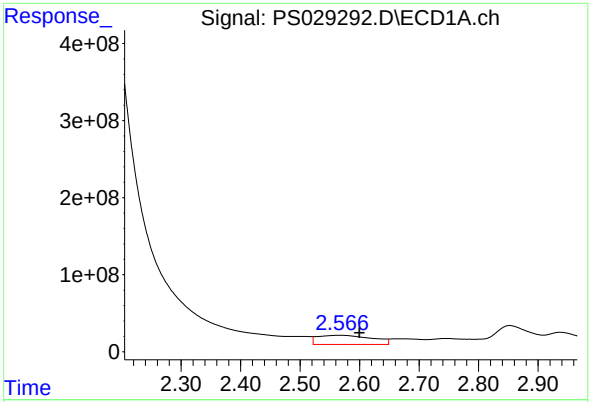
Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:01:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



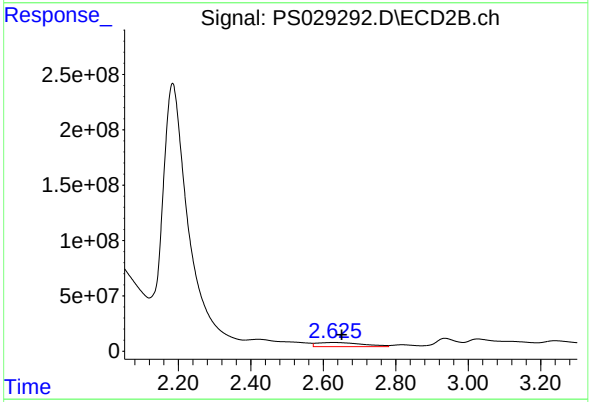




#1 Dalapon

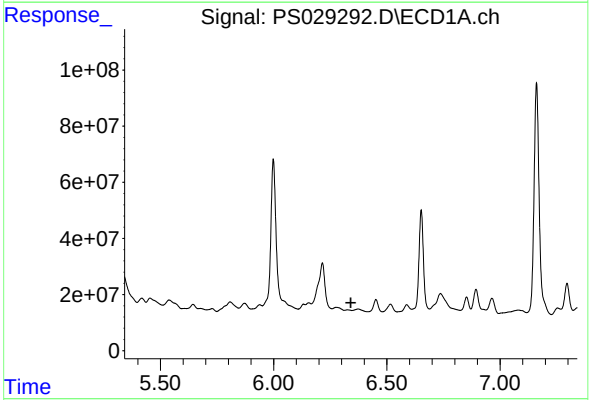
R.T.: 2.568 min
Delta R.T.: -0.032 min
Response: 754990691
Conc: 136.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725



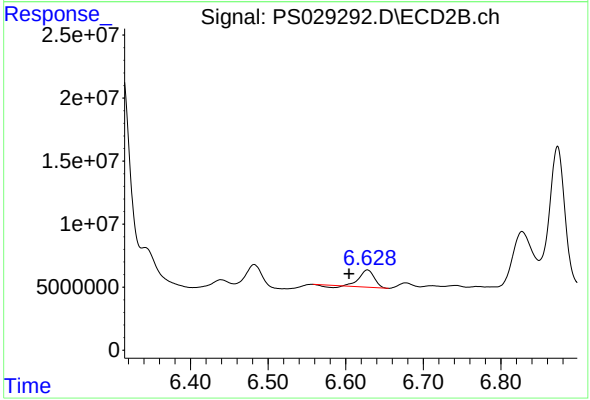
#1 Dalapon

R.T.: 2.629 min
Delta R.T.: -0.022 min
Response: 329304337
Conc: 155.54 ng/ml



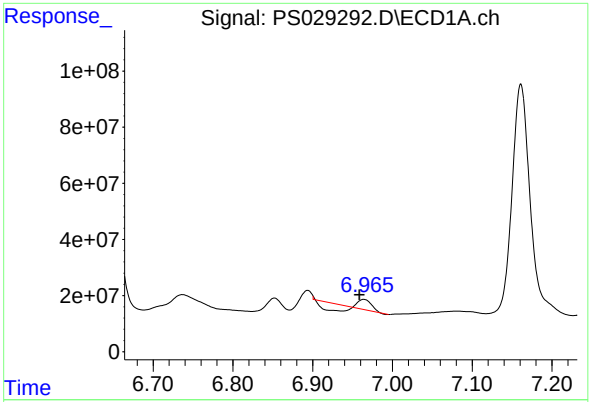
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.326 min
Delta R.T.: -0.015 min
Response: -2064429
Conc: N.D.



#2 3,5-DICHLOROBENZOIC ACID

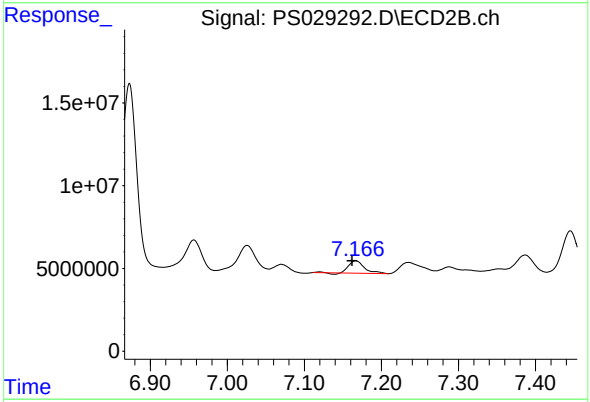
R.T.: 6.628 min
Delta R.T.: 0.024 min
Response: 16542175
Conc: 11.68 ng/ml



#3 4-Nitrophenol

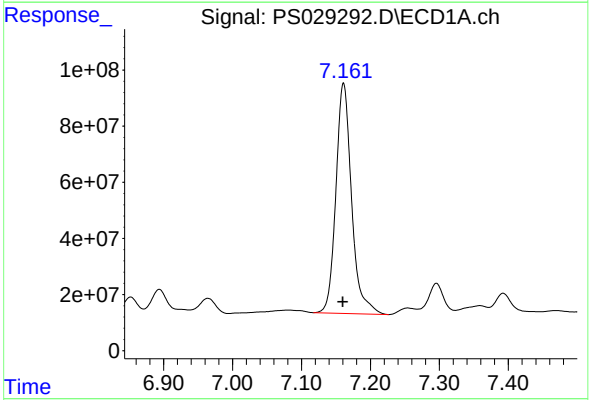
R.T.: 6.964 min
Delta R.T.: 0.006 min
Response: 2884639
Conc: 1.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725



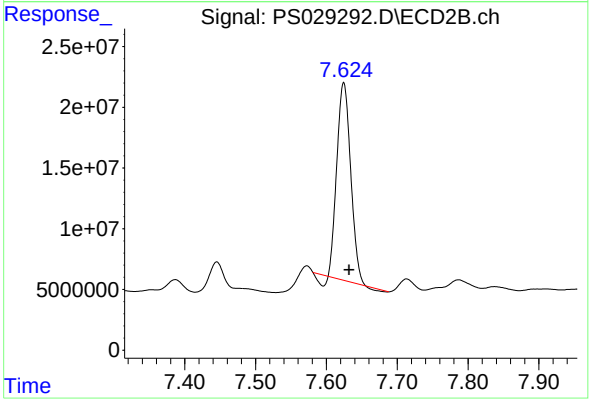
#3 4-Nitrophenol

R.T.: 7.167 min
Delta R.T.: 0.005 min
Response: 10289730
Conc: 12.90 ng/ml



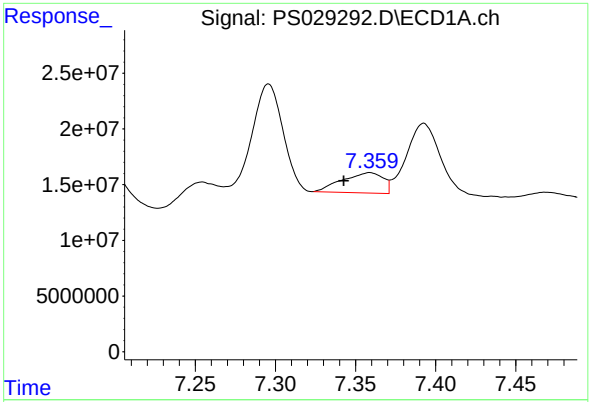
#4 2,4-DCAA

R.T.: 7.161 min
Delta R.T.: 0.001 min
Response: 1298164681
Conc: 315.04 ng/ml



#4 2,4-DCAA

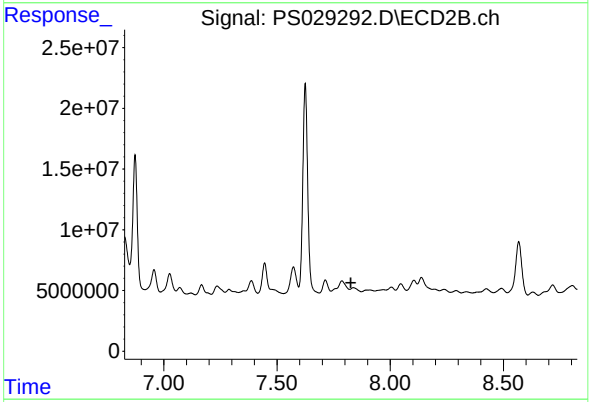
R.T.: 7.625 min
Delta R.T.: -0.007 min
Response: 214870041
Conc: 228.50 ng/ml



#5 DICAMBA

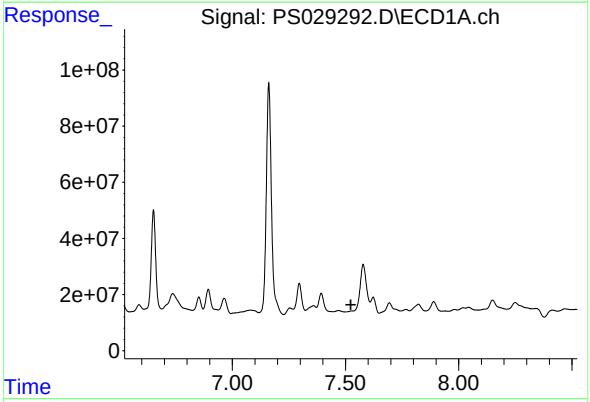
R.T.: 7.359 min
Delta R.T.: 0.016 min
Response: 32221157
Conc: 1.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725



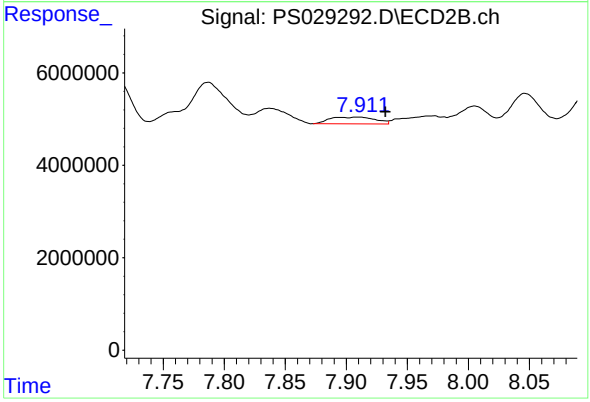
#5 DICAMBA

R.T.: 0.000 min
Exp R.T. : 7.826 min
Response: 0
Conc: N.D.



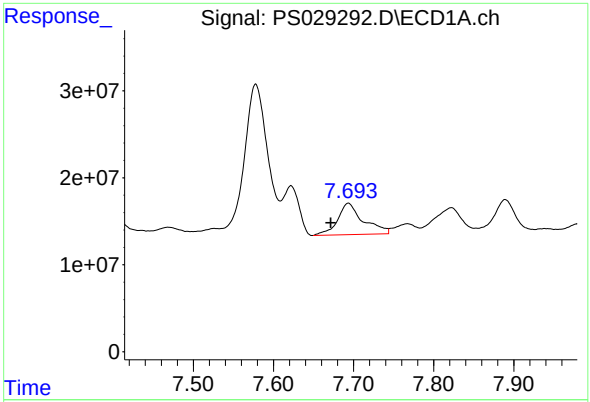
#6 MCPP

R.T.: 0.000 min
Exp R.T. : 7.524 min
Response: 0
Conc: N.D.



#6 MCPP

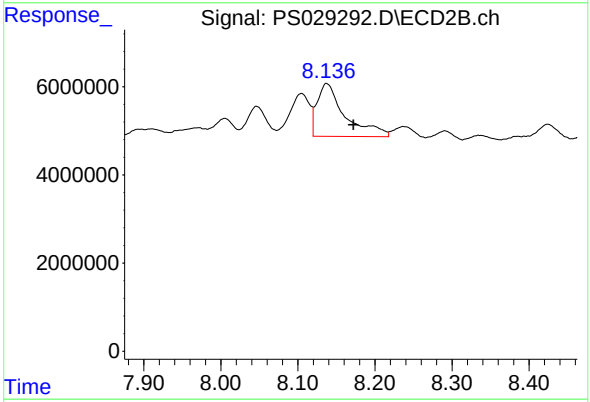
R.T.: 7.910 min
Delta R.T.: -0.022 min
Response: 3771412
Conc: 1.61 ug/ml



#7 MCPA

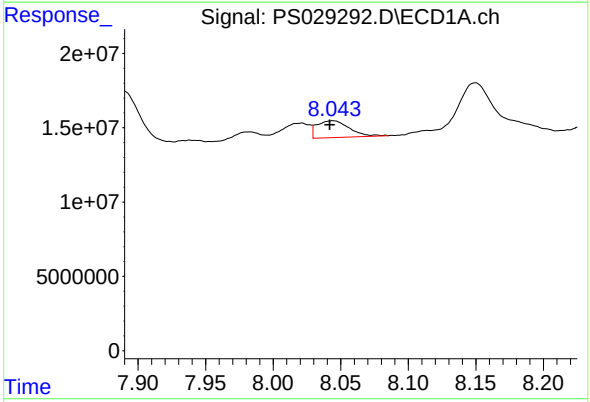
R.T.: 7.694 min
Delta R.T.: 0.022 min
Response: 80336072
Conc: 4.74 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725



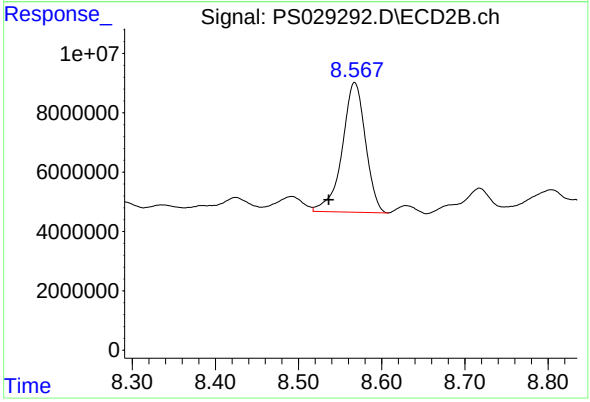
#7 MCPA

R.T.: 8.138 min
Delta R.T.: -0.034 min
Response: 30047529
Conc: 9.42 ug/ml



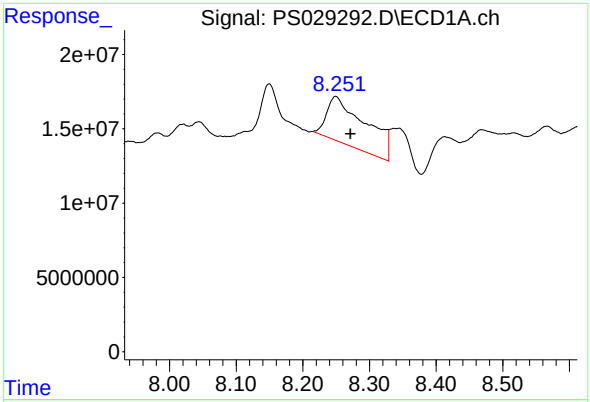
#8 DICHLORPROP

R.T.: 8.044 min
Delta R.T.: 0.002 min
Response: 18783370
Conc: 4.09 ng/ml



#8 DICHLORPROP

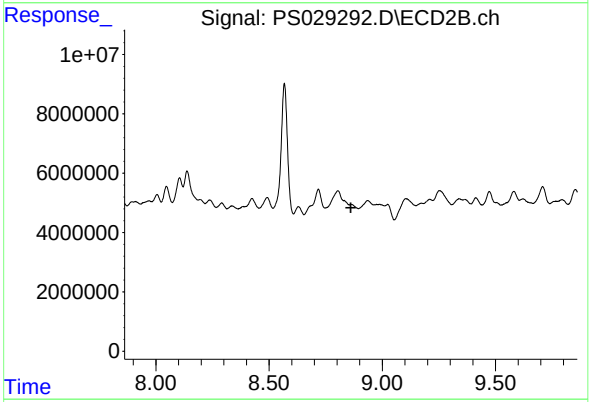
R.T.: 8.568 min
Delta R.T.: 0.031 min
Response: 84822345
Conc: 66.33 ng/ml



#9 2,4-D

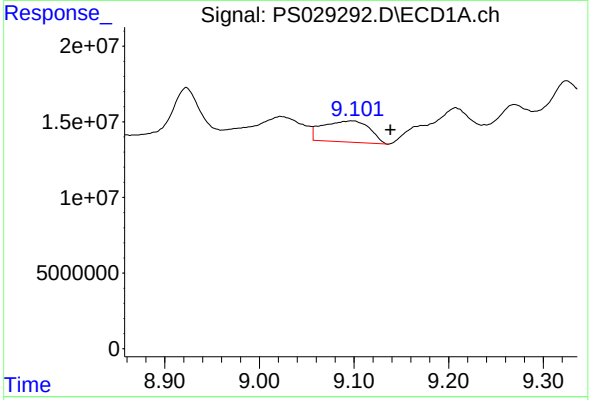
R.T.: 8.249 min
Delta R.T.: -0.022 min
Response: 128821950
Conc: 27.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725



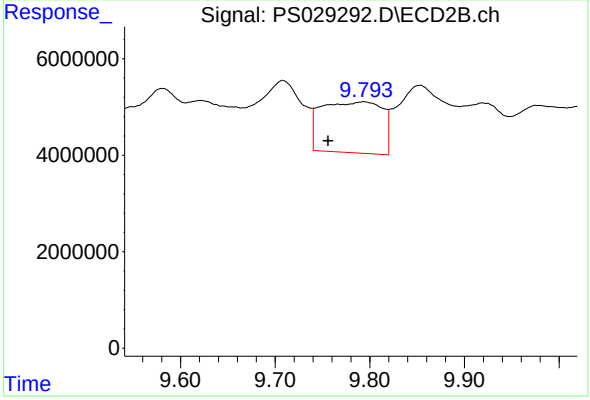
#9 2,4-D

R.T.: 0.000 min
Exp R.T. : 8.861 min
Response: 0
Conc: N.D.



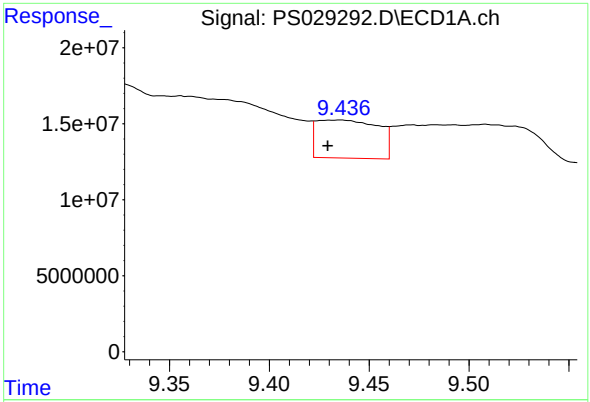
#11 2,4,5-TP (SILVEX)

R.T.: 9.098 min
Delta R.T.: -0.041 min
Response: 47915872
Conc: 1.95 ng/ml



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

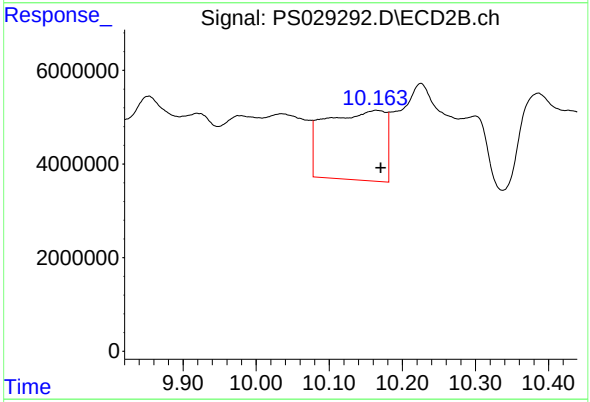
R.T.: 9.794 min
Delta R.T.: 0.038 min
Response: 47353490
Conc: 5.24 ng/ml



#12 2,4,5-T

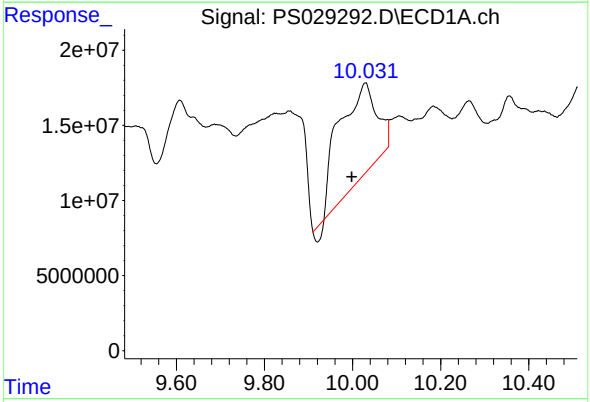
R.T.: 9.434 min
Delta R.T.: 0.005 min
Response: 53827917
Conc: 2.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725



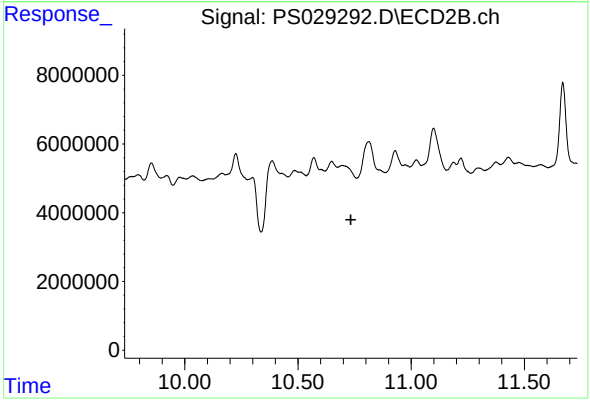
#12 2,4,5-T

R.T.: 10.165 min
Delta R.T.: -0.006 min
Response: 84446417
Conc: 10.29 ng/ml



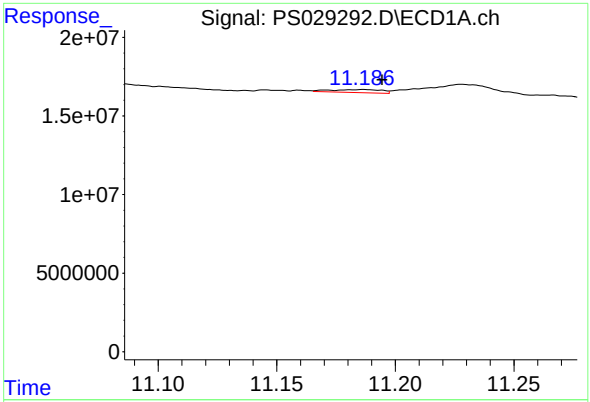
#13 2,4-DB

R.T.: 10.029 min
Delta R.T.: 0.031 min
Response: 369380177
Conc: 88.47 ng/ml



#13 2,4-DB

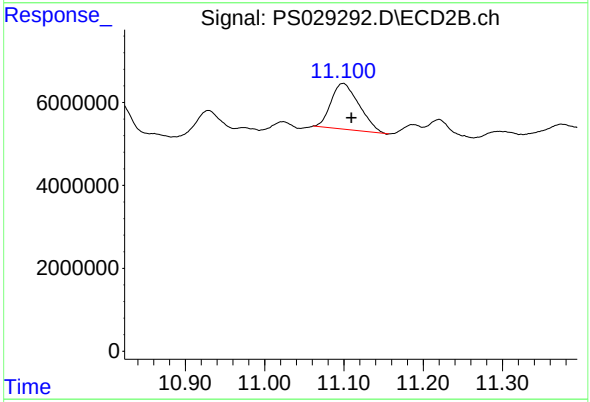
R.T.: 0.000 min
Exp R.T. : 10.734 min
Response: 0
Conc: N.D.



#14 DINOSEB

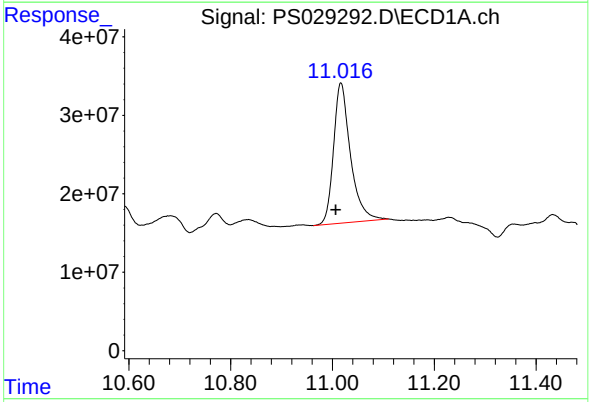
R.T.: 11.186 min
Delta R.T.: -0.009 min
Response: 2837305
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725



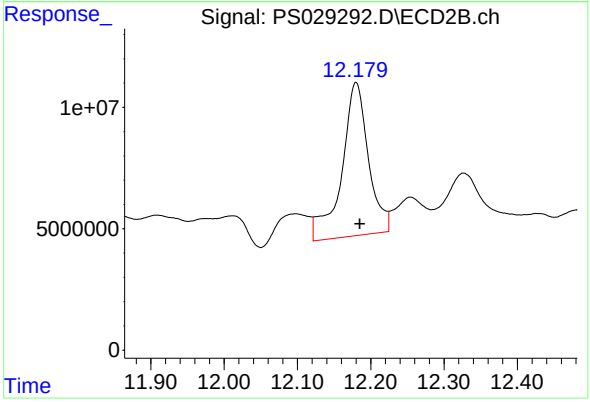
#14 DINOSEB

R.T.: 11.099 min
Delta R.T.: -0.011 min
Response: 27123982
Conc: 4.47 ng/ml



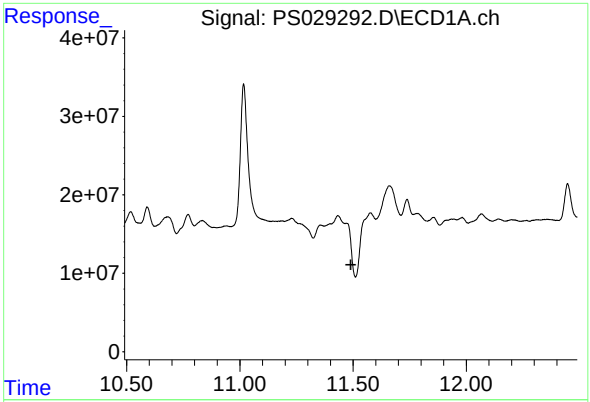
#15 Picloram

R.T.: 11.017 min
Delta R.T.: 0.010 min
Response: 413104263
Conc: 13.53 ng/ml



#15 Picloram

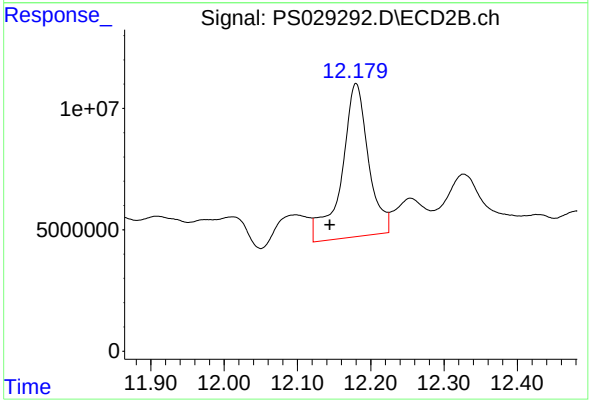
R.T.: 12.180 min
Delta R.T.: -0.005 min
Response: 159969957
Conc: 13.84 ng/ml



#16 DCPA

R.T.: 0.000 min
Exp R.T. : 11.490 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-CF-15-021725



#16 DCPA

R.T.: 12.180 min
Delta R.T.: 0.036 min
Response: 159969957
Conc: 13.51 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 15:22
Operator : AR\AJ
Sample : Q1383-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.157	7.627	2234.9E6	435.6E6	542.382	463.204	
	Target Compounds							
1) T	Dalapon	2.560f	0.000	643.1E6	0	116.506	N.D.	#
2) T	3,5-DICHL...	6.328	6.605	46851653	40304880	8.007	28.462	#
3) T	4-Nitroph...	6.962	7.167	49250980	80639394	21.046	101.109	#
5) T	DICAMBA	7.360	7.855f	20808836	47595954	1.198	9.237	#
6) T	MCPP	7.526	7.949	176.3E6	25756746	14.302	11.011	
7) T	MCPA	7.678	8.169	83494232	123.6E6	4.927	38.736	#
8) T	DICHLORPROP	8.043	8.569f	111.8E6	114.4E6	24.321	89.460	#
9) T	2,4-D	8.265	8.838	93518458	175.9E6	19.686	138.527	#
10) T	Pentachlo...	8.565	0.000	267.2E6	0	4.580	N.D.	#
11) T	2,4,5-TP ...	9.104f	9.759	607.0E6	84406589	24.686	9.340	#
12) T	2,4,5-T	9.471f	10.193	814.9E6	296.1E6	31.972	36.069	
13) T	2,4-DB	9.977	10.771f	416.7E6	9461217	99.796	12.358	#
14) T	DINOSEB	11.156f	11.115	-29158617	123.2E6	N.D.	20.329	
15) T	Picloram	11.034f	12.178	302.7E6	39817460	9.909	3.444	#
16) T	DCPA	11.462f	12.137	214.1E6	56271651	7.134	4.754	#

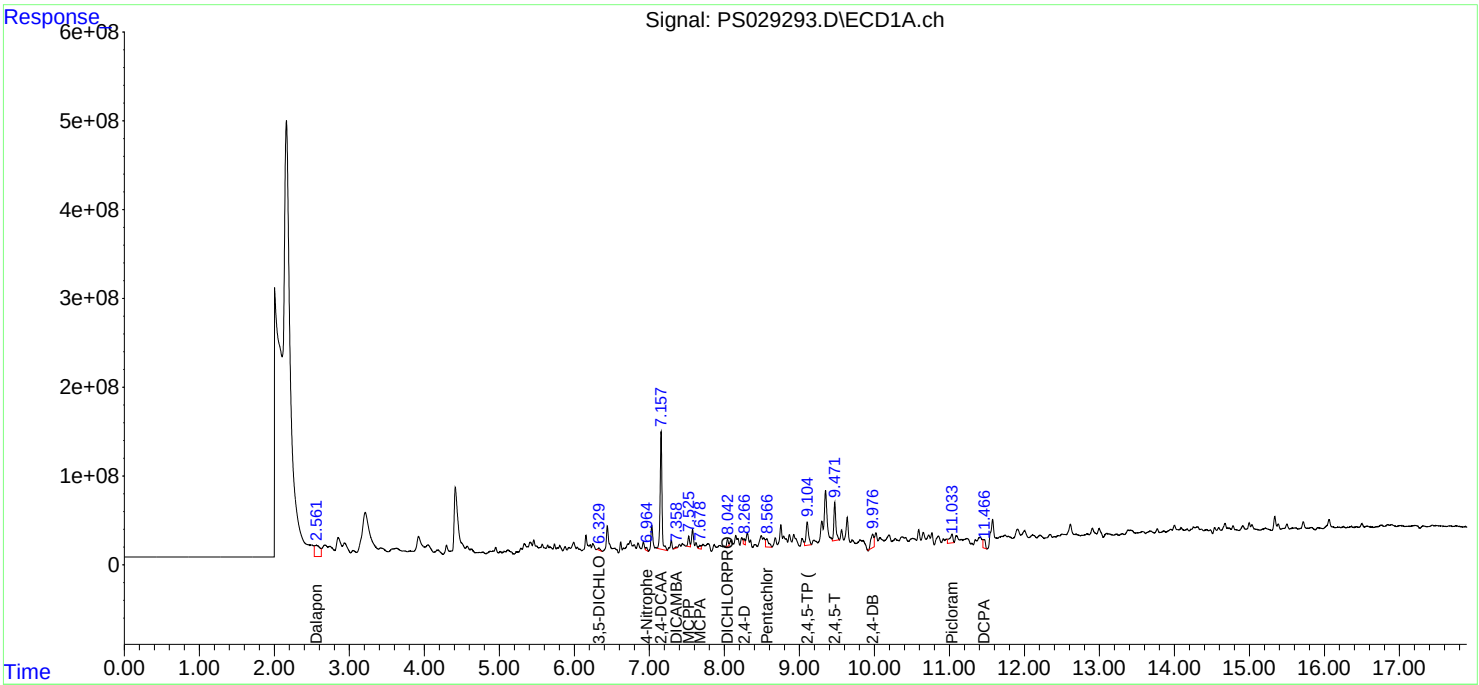
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

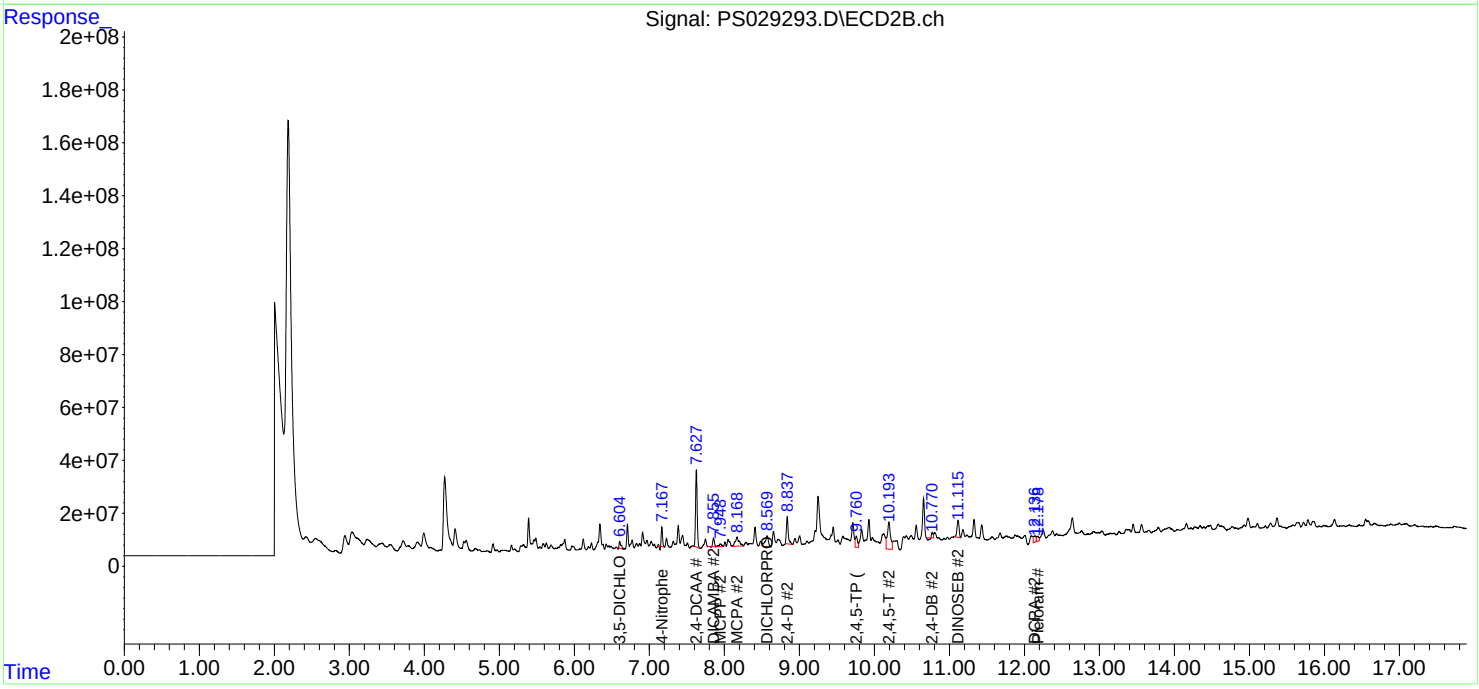
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 15:22
Operator : AR\AJ
Sample : Q1383-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

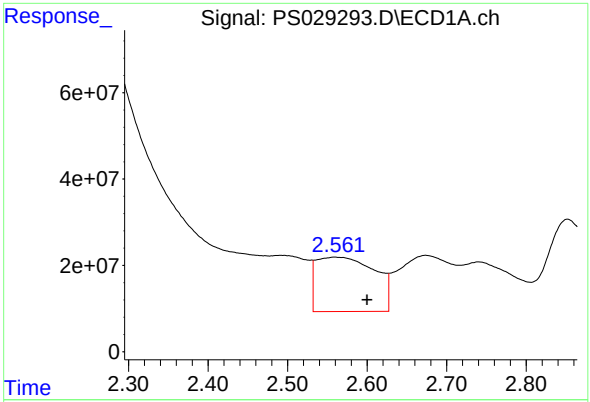
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



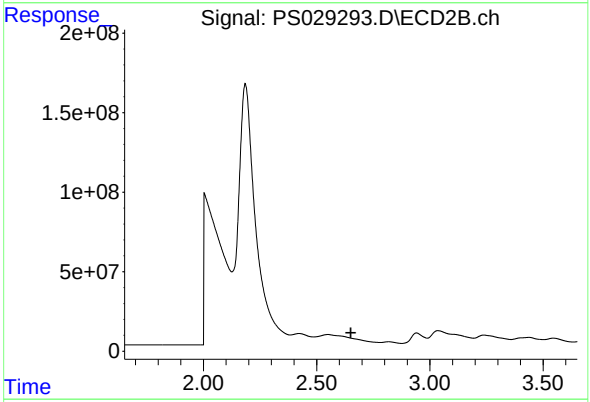




#1 Dalapon

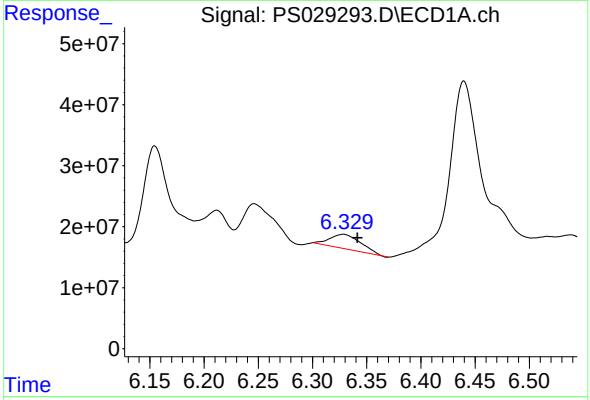
R.T.: 2.560 min
Delta R.T.: -0.040 min
Response: 643146512
Conc: 116.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725



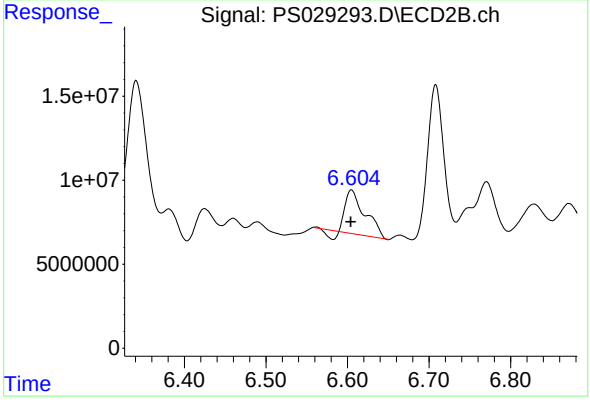
#1 Dalapon

R.T.: 0.000 min
Exp R.T. : 2.651 min
Response: 0
Conc: N.D.



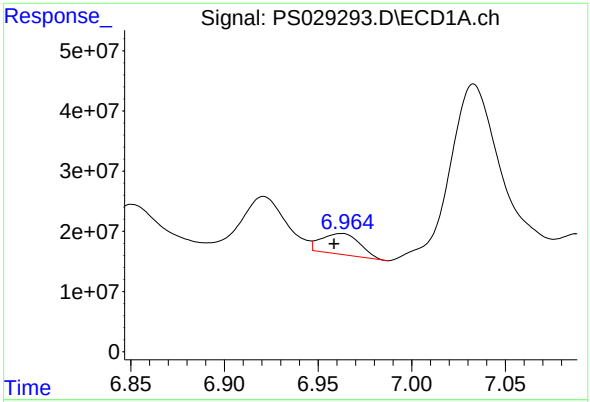
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.328 min
Delta R.T.: -0.013 min
Response: 46851653
Conc: 8.01 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

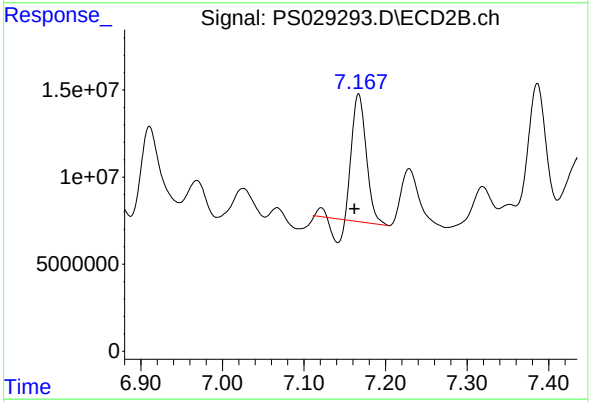
R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 40304880
Conc: 28.46 ng/ml



#3 4-Nitrophenol

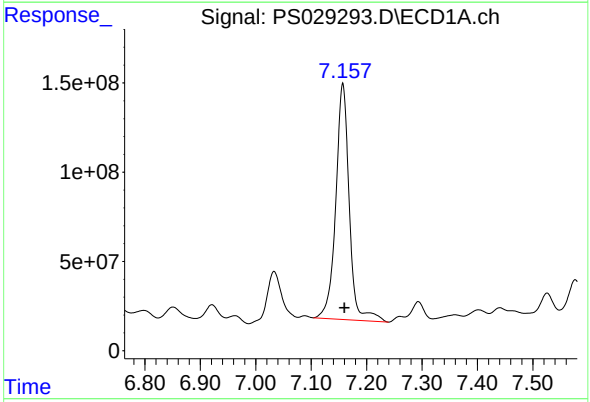
R.T.: 6.962 min
Delta R.T.: 0.003 min
Response: 49250980
Conc: 21.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725



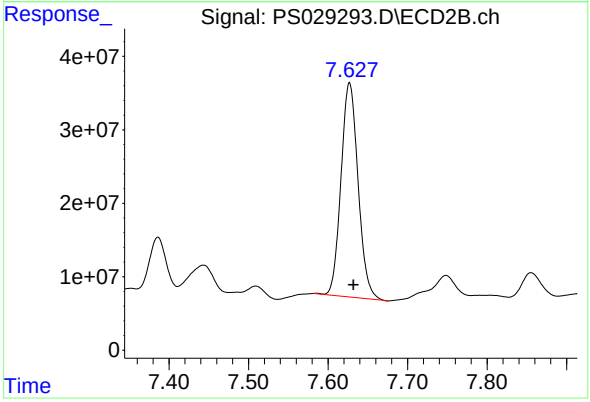
#3 4-Nitrophenol

R.T.: 7.167 min
Delta R.T.: 0.005 min
Response: 80639394
Conc: 101.11 ng/ml



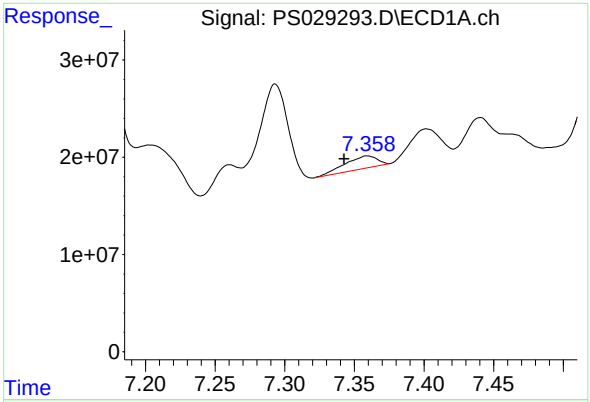
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 2234925486
Conc: 542.38 ng/ml



#4 2,4-DCAA

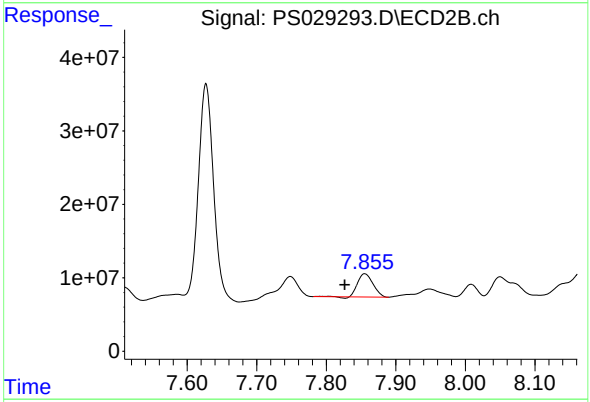
R.T.: 7.627 min
Delta R.T.: -0.005 min
Response: 435566318
Conc: 463.20 ng/ml



#5 DICAMBA

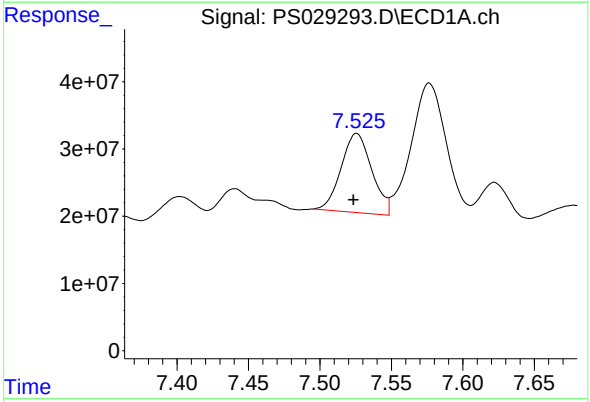
R.T.: 7.360 min
Delta R.T.: 0.017 min
Response: 20808836
Conc: 1.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725



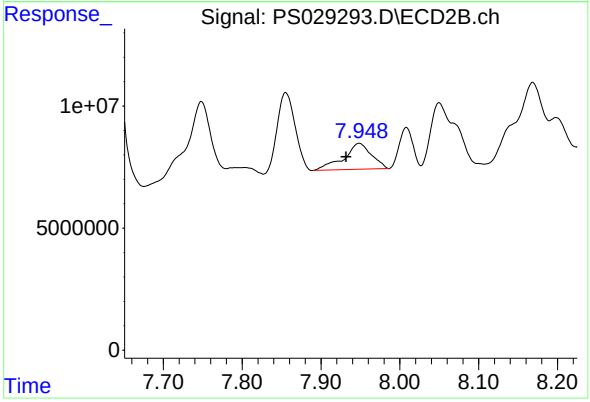
#5 DICAMBA

R.T.: 7.855 min
Delta R.T.: 0.029 min
Response: 47595954
Conc: 9.24 ng/ml



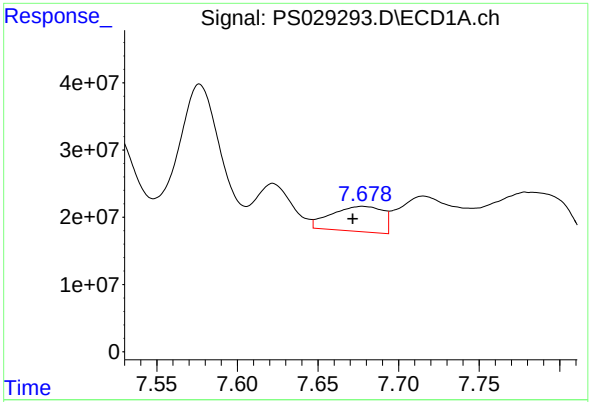
#6 MCPP

R.T.: 7.526 min
Delta R.T.: 0.002 min
Response: 176287297
Conc: 14.30 ug/ml



#6 MCPP

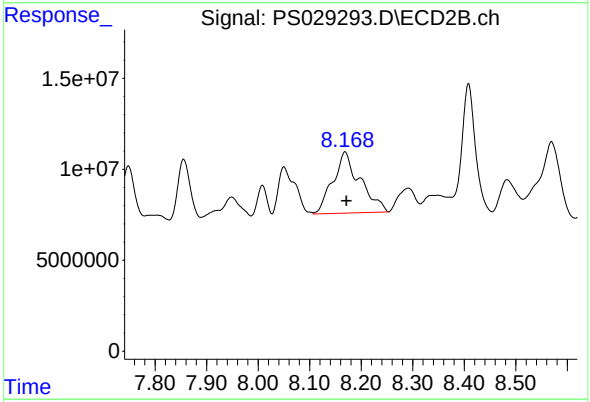
R.T.: 7.949 min
Delta R.T.: 0.017 min
Response: 25756746
Conc: 11.01 ug/ml



#7 MCPA

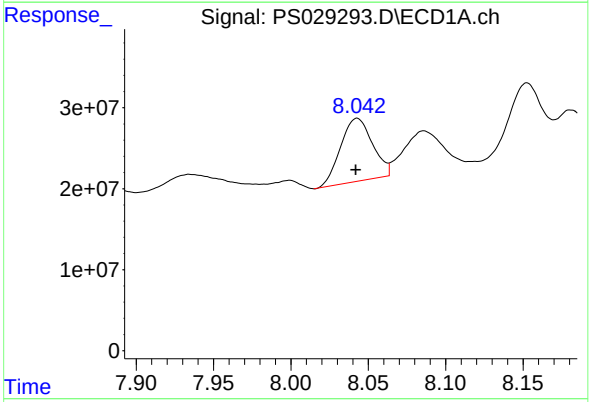
R.T.: 7.678 min
Delta R.T.: 0.006 min
Response: 83494232
Conc: 4.93 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725



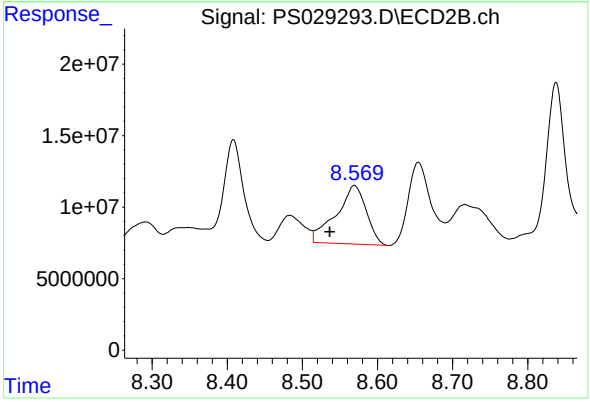
#7 MCPA

R.T.: 8.169 min
Delta R.T.: -0.003 min
Response: 123557712
Conc: 38.74 ug/ml



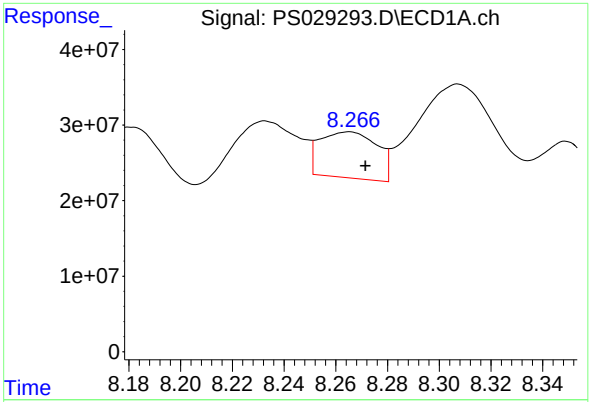
#8 DICHLORPROP

R.T.: 8.043 min
Delta R.T.: 0.000 min
Response: 111792267
Conc: 24.32 ng/ml



#8 DICHLORPROP

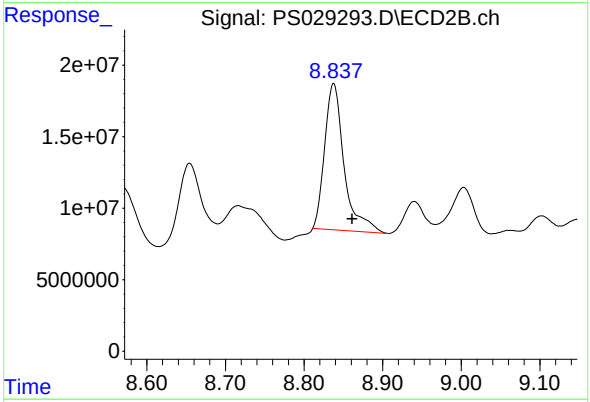
R.T.: 8.569 min
Delta R.T.: 0.033 min
Response: 114397971
Conc: 89.46 ng/ml



#9 2,4-D

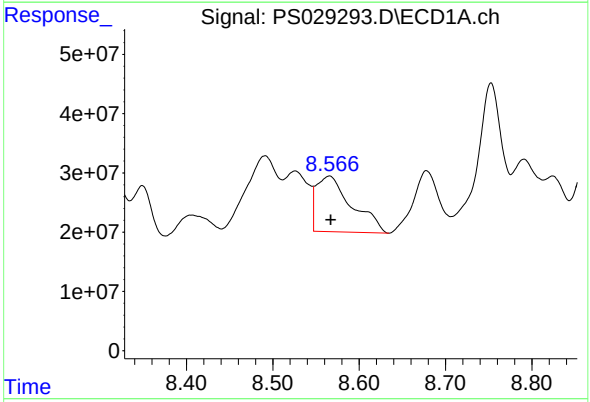
R.T.: 8.265 min
Delta R.T.: -0.007 min
Response: 93518458
Conc: 19.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725



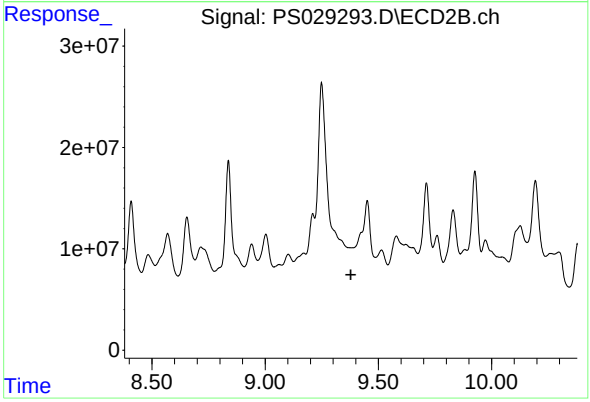
#9 2,4-D

R.T.: 8.838 min
Delta R.T.: -0.024 min
Response: 175915084
Conc: 138.53 ng/ml



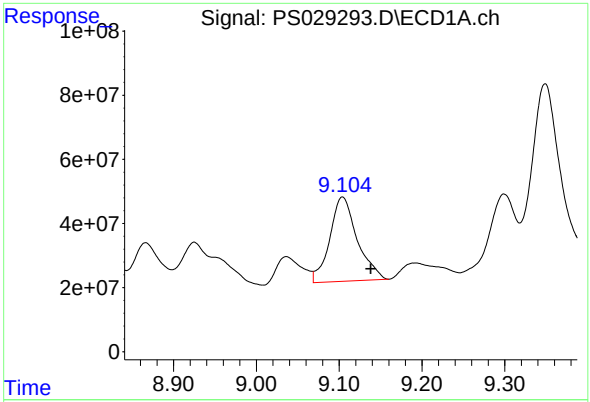
#10 Pentachlorophenol

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 267246952
Conc: 4.58 ng/ml



#10 Pentachlorophenol

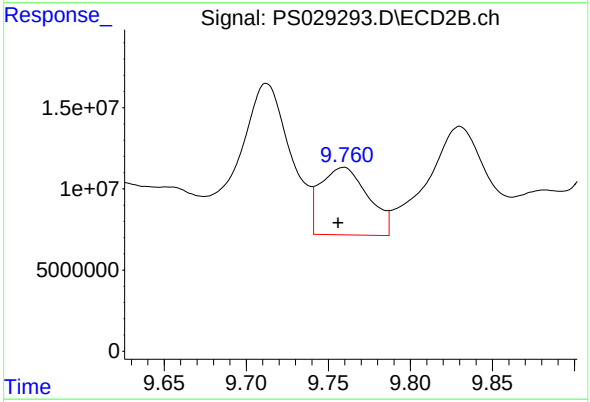
R.T.: 0.000 min
Exp R.T. : 9.379 min
Response: 0
Conc: N.D.



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

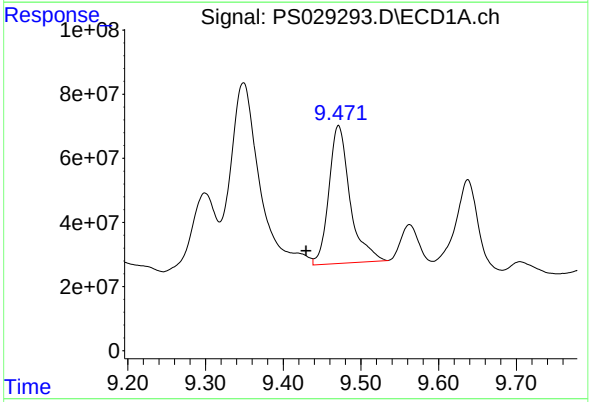
R.T.: 9.104 min
Delta R.T.: -0.034 min
Response: 606952796
Conc: 24.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725



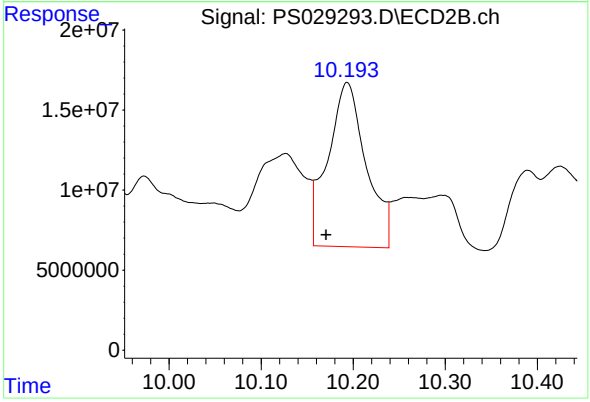
#11 2,4,5-TP (SILVEX)

R.T.: 9.759 min
Delta R.T.: 0.003 min
Response: 84406589
Conc: 9.34 ng/ml



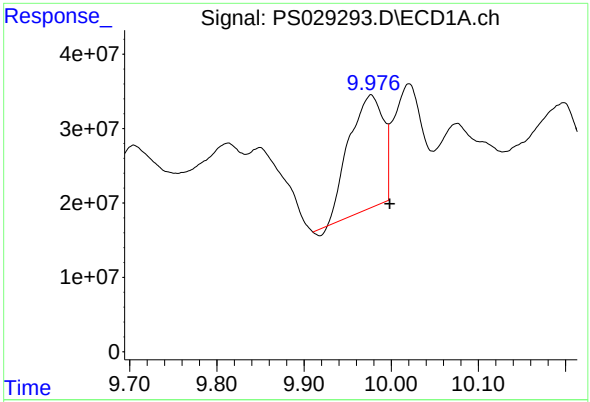
#12 2,4,5-T

R.T.: 9.471 min
Delta R.T.: 0.042 min
Response: 814918066
Conc: 31.97 ng/ml



#12 2,4,5-T

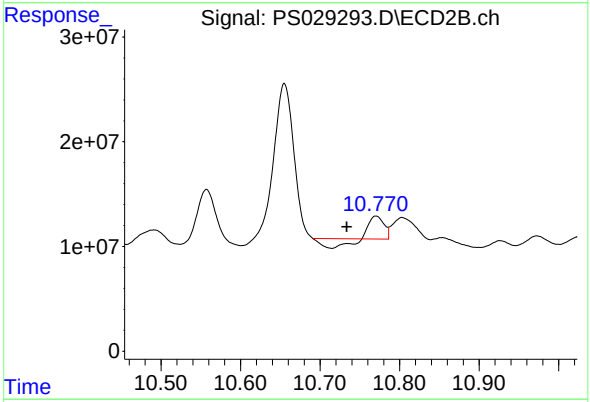
R.T.: 10.193 min
Delta R.T.: 0.023 min
Response: 296138234
Conc: 36.07 ng/ml



#13 2,4-DB

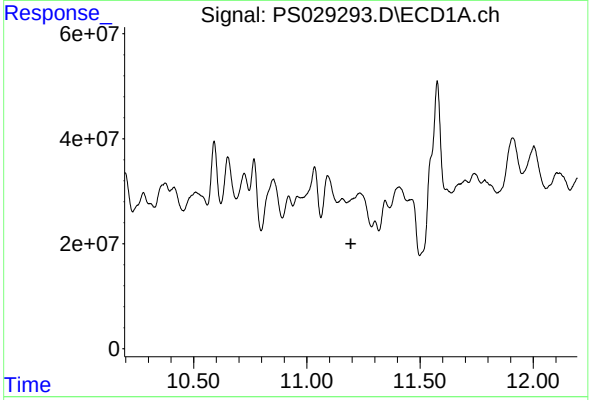
R.T.: 9.977 min
Delta R.T.: -0.021 min
Response: 416693095
Conc: 99.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725



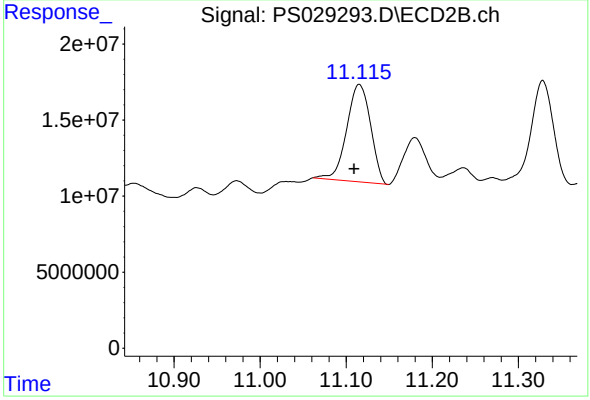
#13 2,4-DB

R.T.: 10.771 min
Delta R.T.: 0.037 min
Response: 9461217
Conc: 12.36 ng/ml



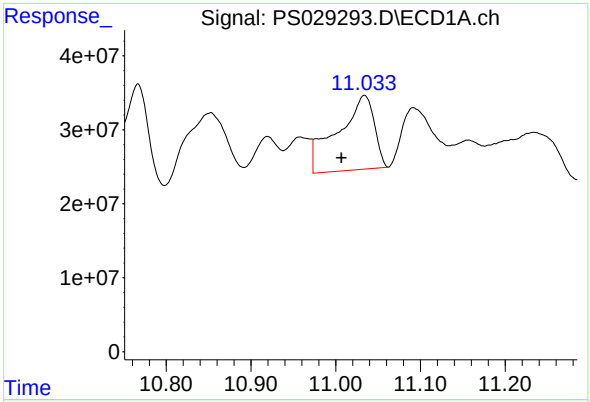
#14 DINOSEB

R.T.: 11.156 min
Delta R.T.: -0.038 min
Response: -29158617
Conc: N.D.



#14 DINOSEB

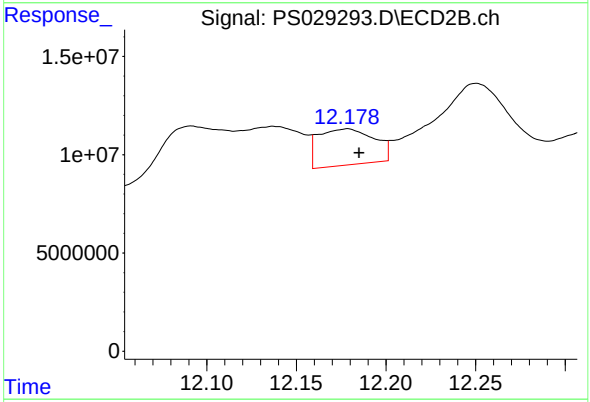
R.T.: 11.115 min
Delta R.T.: 0.006 min
Response: 123226804
Conc: 20.33 ng/ml



#15 Picloram

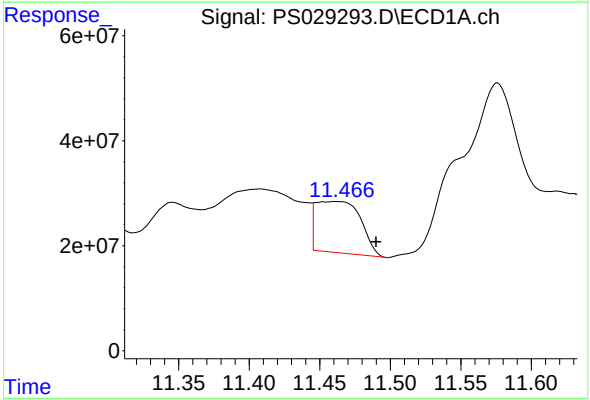
R.T.: 11.034 min
Delta R.T.: 0.027 min
Response: 302668030
Conc: 9.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725



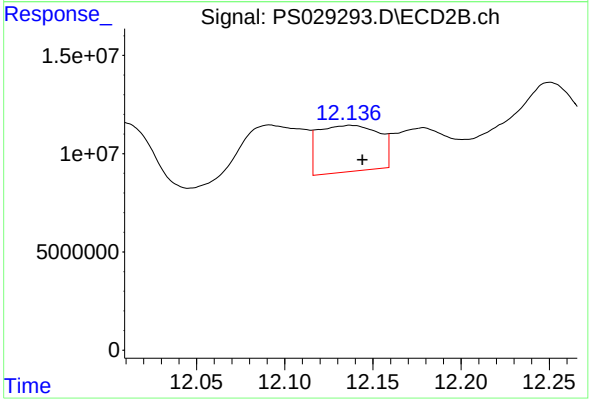
#15 Picloram

R.T.: 12.178 min
Delta R.T.: -0.007 min
Response: 39817460
Conc: 3.44 ng/ml



#16 DCPA

R.T.: 11.462 min
Delta R.T.: -0.029 min
Response: 214051048
Conc: 7.13 ng/ml



#16 DCPA

R.T.: 12.137 min
Delta R.T.: -0.007 min
Response: 56271651
Conc: 4.75 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 15:46
Operator : AR\AJ
Sample : Q1383-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.159	7.628	1387.8E6	169.5E6	336.791	180.253 #
	Target Compounds						
1) T	Dalapon	2.600	2.651	2011.7E6	696.0E6	364.418	328.770
2) T	3,5-DICHL...	6.341	6.601	1790.0E6	357.9E6	305.930	252.760
3) T	4-Nitroph...	6.960	7.161	249.8E6	206.2E6	106.750	258.512 #
5) T	DICAMBA	7.342	7.822	4642.6E6	1232.6E6	267.339	239.193
6) T	MCPP	7.520	7.924	285.9E6	49039869	23.196	20.965
7) T	MCPA	7.667	8.163	441.6E6	75158308	26.062	23.563
8) T	DICHLORPROP	8.041	8.532	1277.5E6	363.3E6	277.938	284.129
9) T	2,4-D	8.270	8.857	1523.6E6	352.2E6	320.724	277.313
10) T	Pentachlo...	8.564	9.374	15989.4E6	5024.0E6	273.996	218.316
11) T	2,4,5-TP ...	9.138	9.751	7154.8E6	2449.0E6	291.001	271.002
12) T	2,4,5-T	9.428	10.166	6996.4E6	2094.9E6	274.489	255.159
13) T	2,4-DB	10.000	10.728	1351.6E6	179.8E6	323.694	234.865 #
14) T	DINOSEB	11.193	11.104	425.9E6	131.8E6	25.609	21.743
15) T	Picloram	11.007	12.180	6814.3E6	2178.2E6	223.100	188.383
16) T	DCPA	11.486	12.139	6308.9E6	3168.2E6	210.274	267.665 #

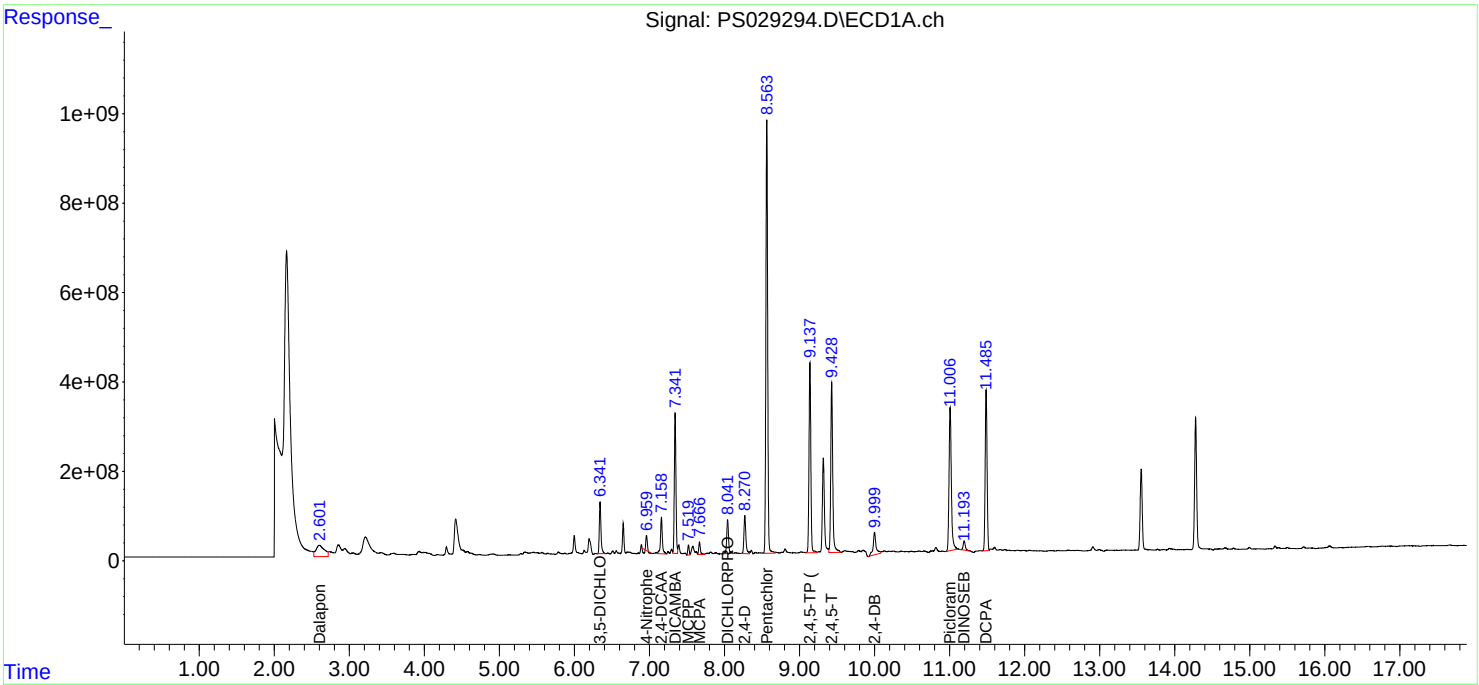
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

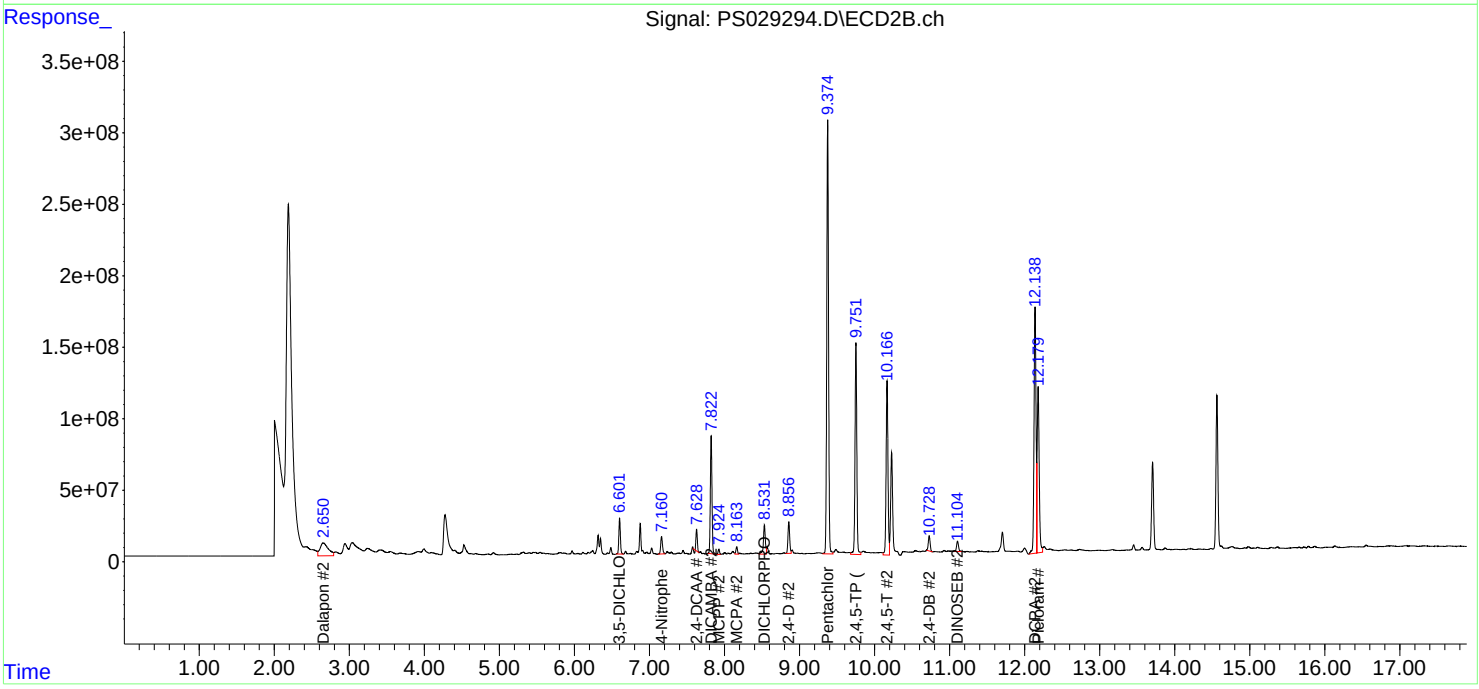
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 15:46
Operator : AR\AJ
Sample : Q1383-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

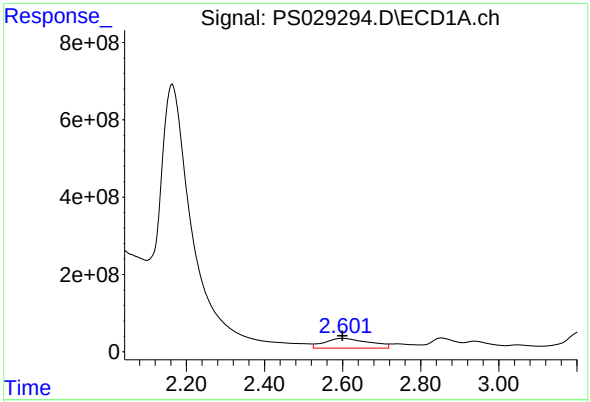
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



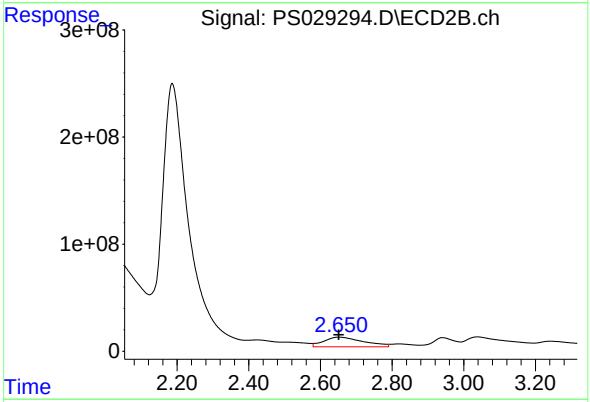




#1 Dalapon

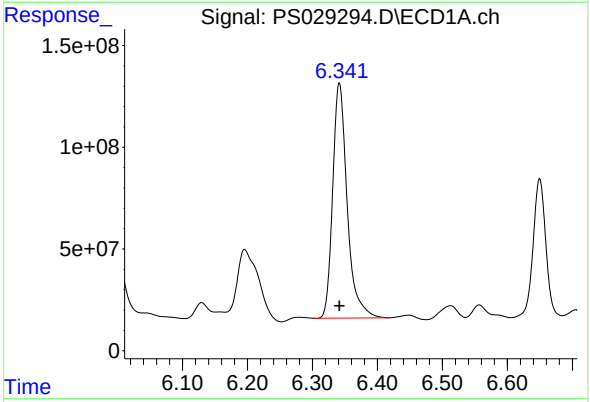
R.T.: 2.600 min
Delta R.T.: 0.000 min
Response: 2011690105
Conc: 364.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS



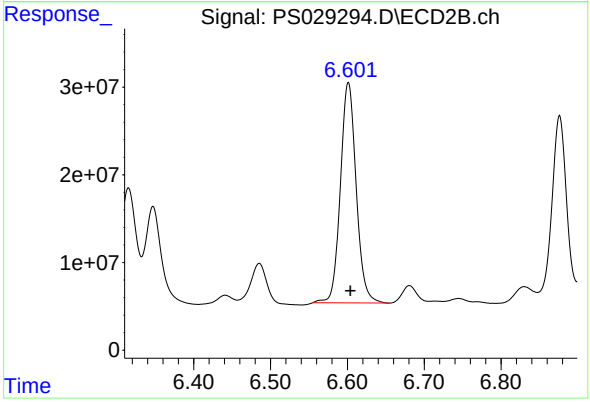
#1 Dalapon

R.T.: 2.651 min
Delta R.T.: 0.000 min
Response: 696046577
Conc: 328.77 ng/ml



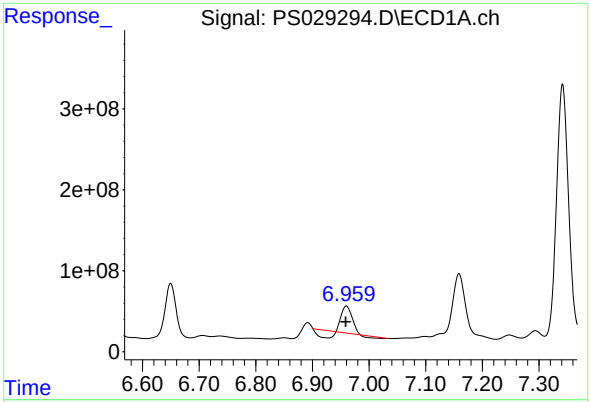
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 1790035346
Conc: 305.93 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

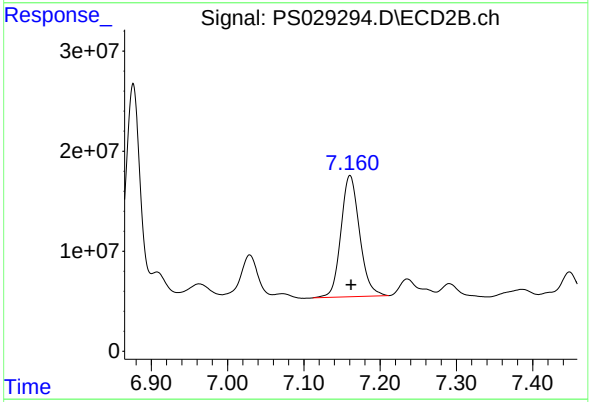
R.T.: 6.601 min
Delta R.T.: -0.003 min
Response: 357937209
Conc: 252.76 ng/ml



#3 4-Nitrophenol

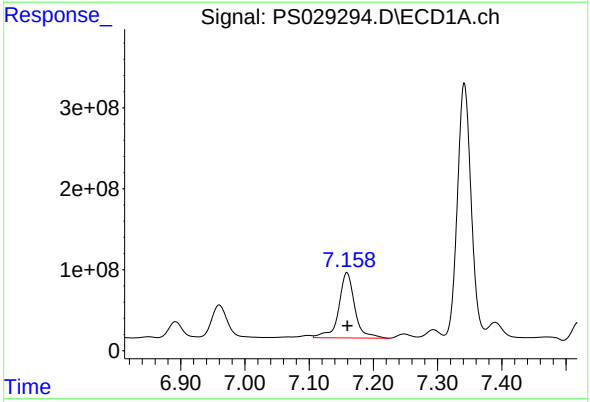
R.T.: 6.960 min
Delta R.T.: 0.001 min
Response: 249815736
Conc: 106.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS



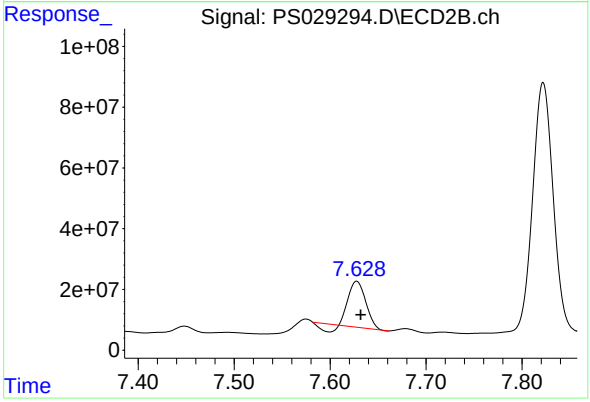
#3 4-Nitrophenol

R.T.: 7.161 min
Delta R.T.: -0.002 min
Response: 206175853
Conc: 258.51 ng/ml



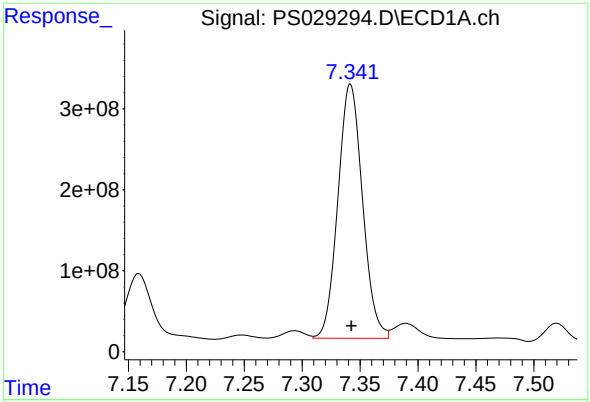
#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 1387774003
Conc: 336.79 ng/ml



#4 2,4-DCAA

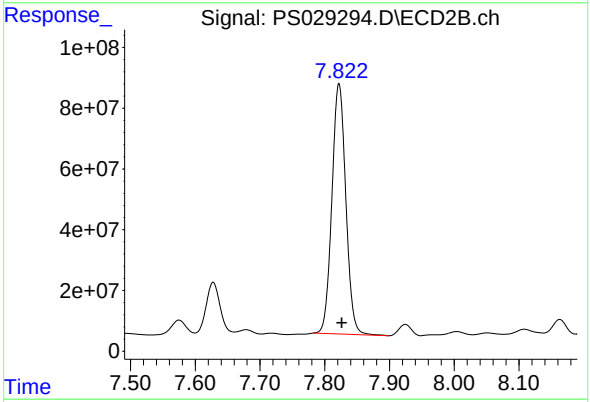
R.T.: 7.628 min
Delta R.T.: -0.004 min
Response: 169498149
Conc: 180.25 ng/ml



#5 DICAMBA

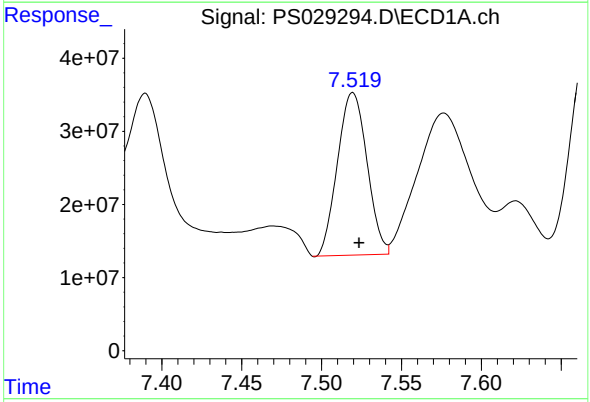
R.T.: 7.342 min
Delta R.T.: 0.000 min
Response: 4642589777
Conc: 267.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS



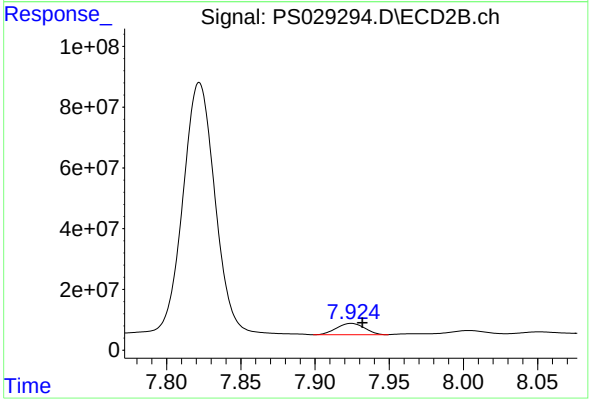
#5 DICAMBA

R.T.: 7.822 min
Delta R.T.: -0.004 min
Response: 1232552008
Conc: 239.19 ng/ml



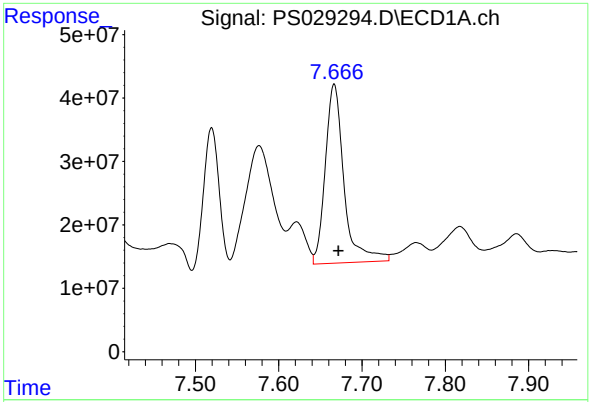
#6 MCPP

R.T.: 7.520 min
Delta R.T.: -0.004 min
Response: 285913073
Conc: 23.20 ug/ml



#6 MCPP

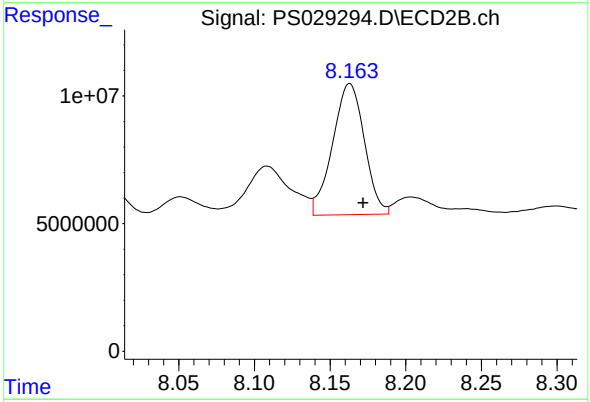
R.T.: 7.924 min
Delta R.T.: -0.007 min
Response: 49039869
Conc: 20.96 ug/ml



#7 MCPA

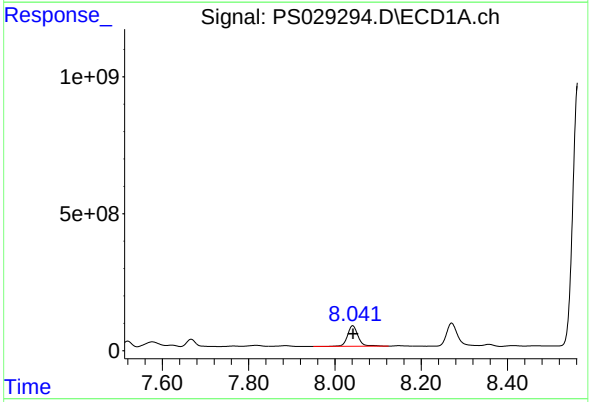
R.T.: 7.667 min
Delta R.T.: -0.005 min
Response: 441637286
Conc: 26.06 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS



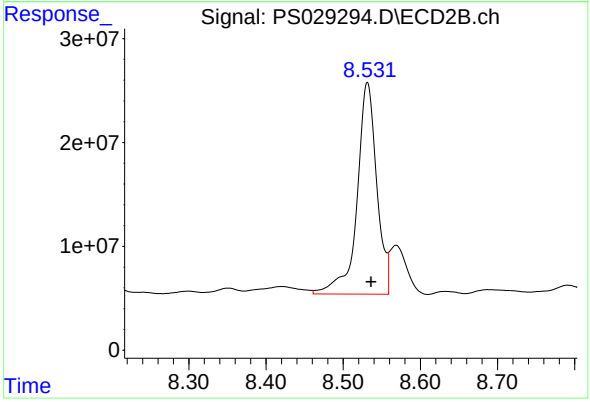
#7 MCPA

R.T.: 8.163 min
Delta R.T.: -0.009 min
Response: 75158308
Conc: 23.56 ug/ml



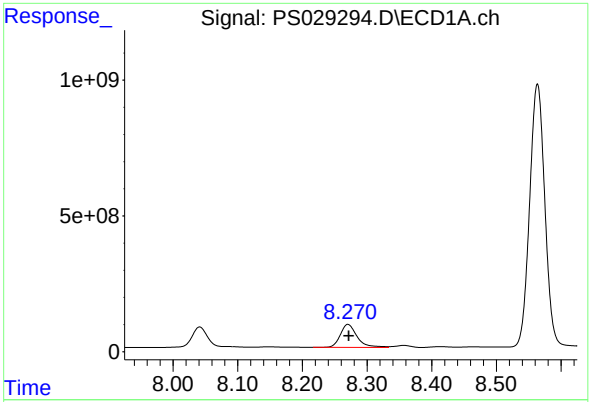
#8 DICHLORPROP

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 1277531616
Conc: 277.94 ng/ml



#8 DICHLORPROP

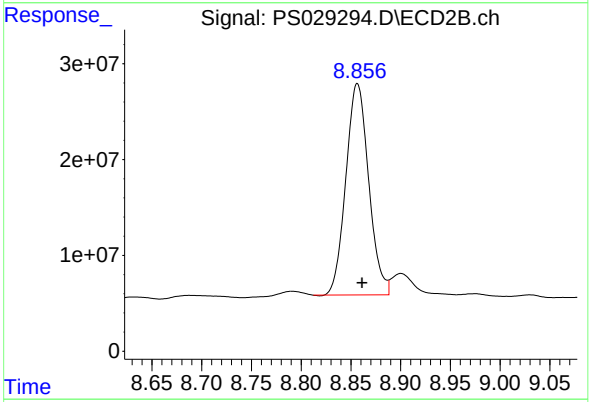
R.T.: 8.532 min
Delta R.T.: -0.005 min
Response: 363332750
Conc: 284.13 ng/ml



#9 2,4-D

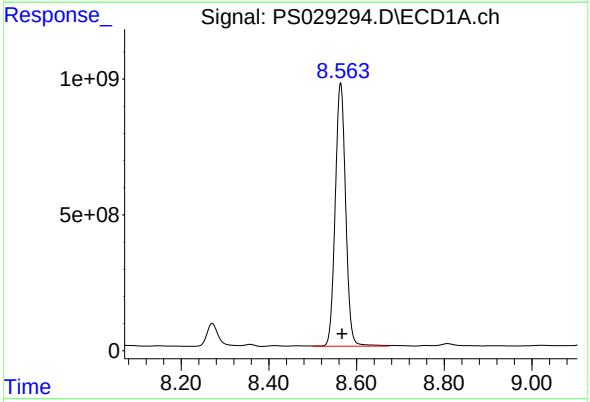
R.T.: 8.270 min
Delta R.T.: 0.000 min
Response: 1523577751
Conc: 320.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS



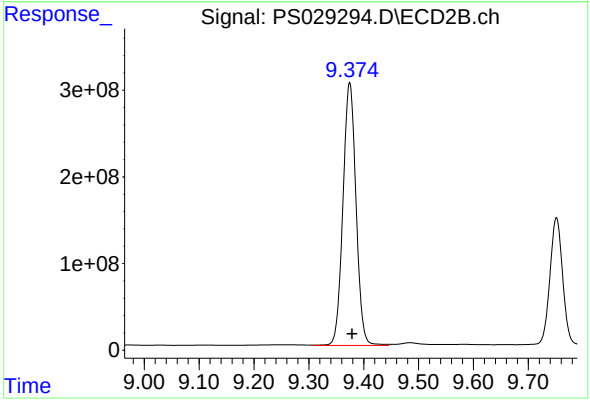
#9 2,4-D

R.T.: 8.857 min
Delta R.T.: -0.005 min
Response: 352159135
Conc: 277.31 ng/ml



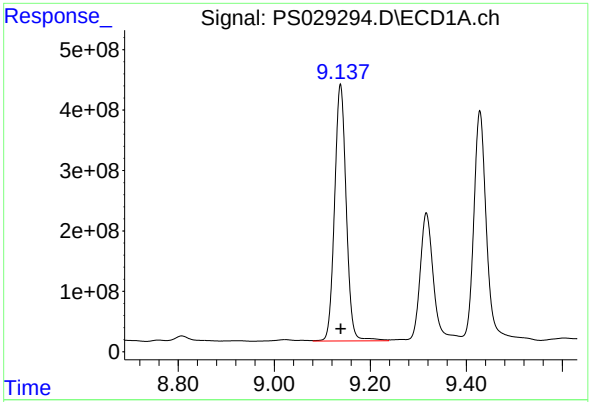
#10 Pentachlorophenol

R.T.: 8.564 min
Delta R.T.: -0.004 min
Response: 15989387005
Conc: 274.00 ng/ml



#10 Pentachlorophenol

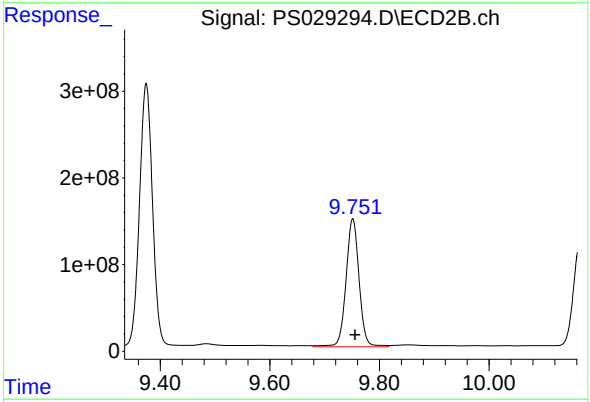
R.T.: 9.374 min
Delta R.T.: -0.004 min
Response: 5024038983
Conc: 218.32 ng/ml



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

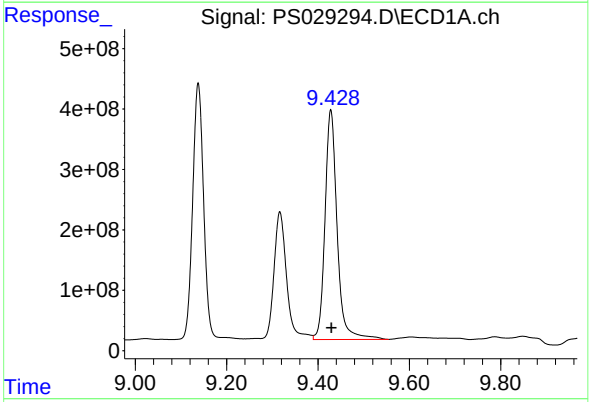
R.T.: 9.138 min
Delta R.T.: 0.000 min
Response: 7154831076
Conc: 291.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS



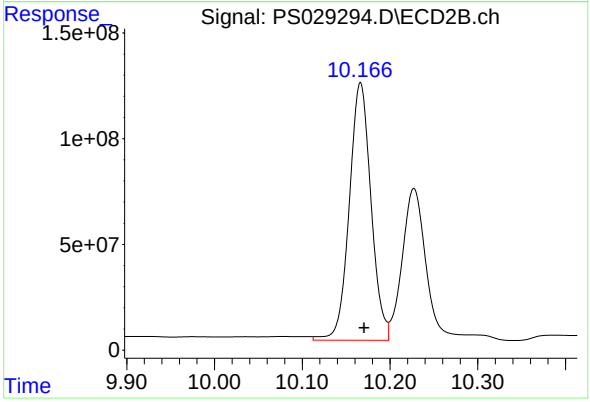
#11 2,4,5-TP (SILVEX)

R.T.: 9.751 min
Delta R.T.: -0.005 min
Response: 2448961303
Conc: 271.00 ng/ml



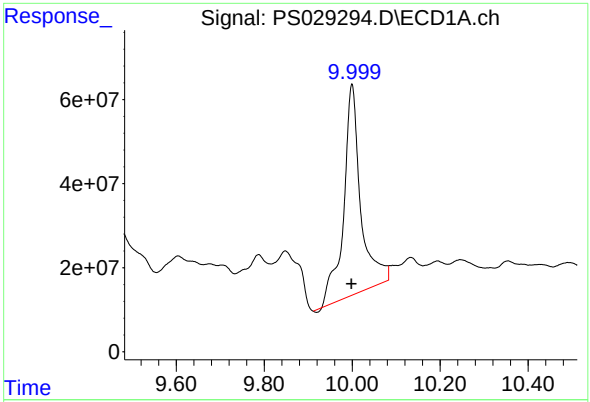
#12 2,4,5-T

R.T.: 9.428 min
Delta R.T.: -0.001 min
Response: 6996373937
Conc: 274.49 ng/ml



#12 2,4,5-T

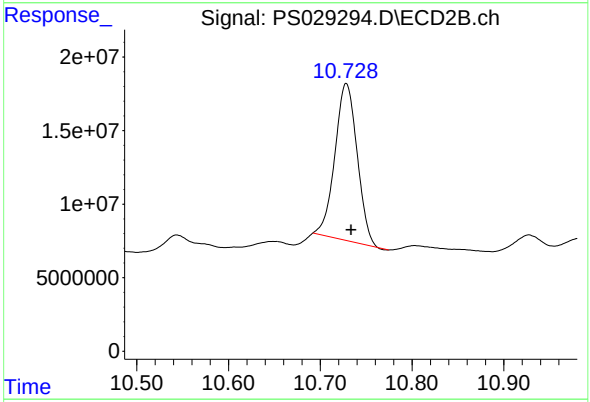
R.T.: 10.166 min
Delta R.T.: -0.004 min
Response: 2094932665
Conc: 255.16 ng/ml



#13 2,4-DB

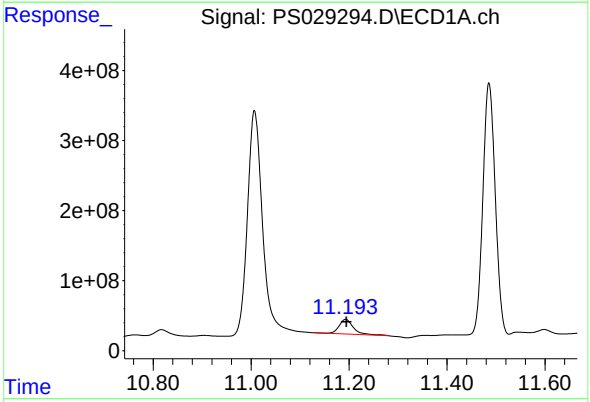
R.T.: 10.000 min
Delta R.T.: 0.001 min
Response: 1351562223
Conc: 323.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS



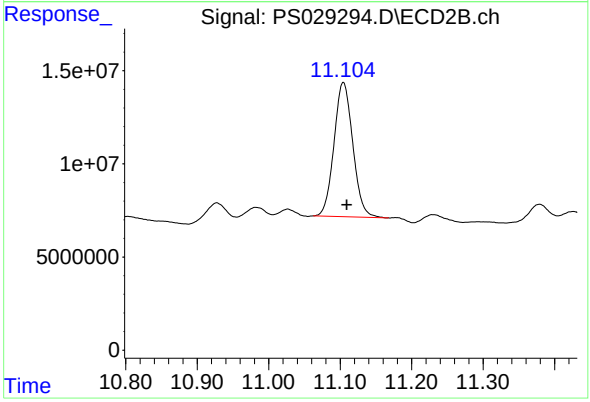
#13 2,4-DB

R.T.: 10.728 min
Delta R.T.: -0.005 min
Response: 179810929
Conc: 234.87 ng/ml



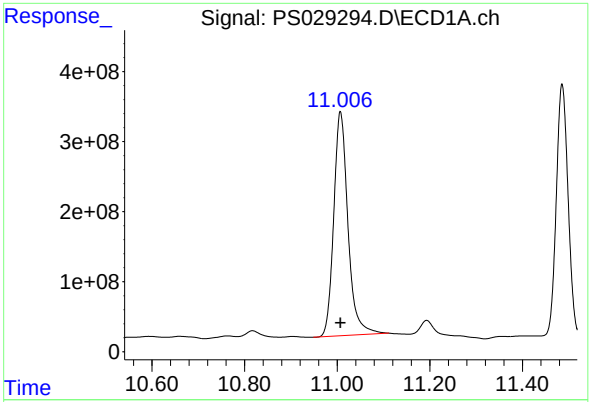
#14 DINOSEB

R.T.: 11.193 min
Delta R.T.: -0.001 min
Response: 425899440
Conc: 25.61 ng/ml



#14 DINOSEB

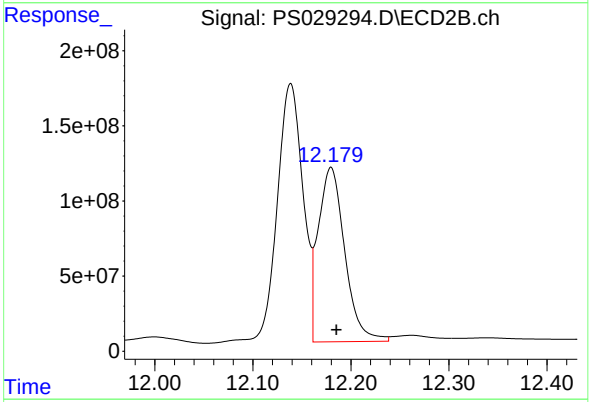
R.T.: 11.104 min
Delta R.T.: -0.005 min
Response: 131794985
Conc: 21.74 ng/ml



#15 Picloram

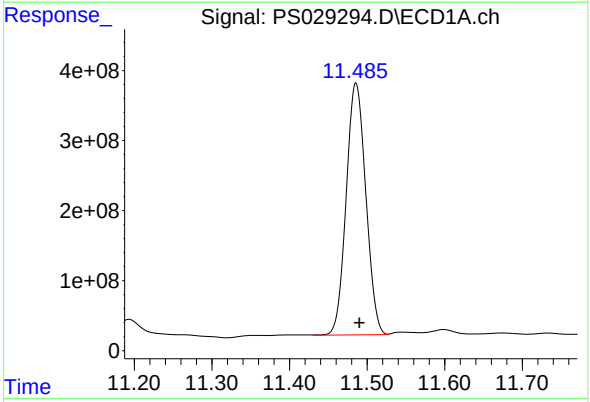
R.T.: 11.007 min
Delta R.T.: 0.000 min
Response: 6814258862
Conc: 223.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MS



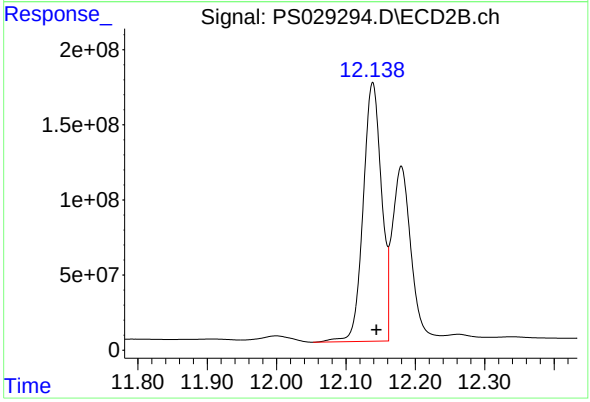
#15 Picloram

R.T.: 12.180 min
Delta R.T.: -0.005 min
Response: 2178165395
Conc: 188.38 ng/ml



#16 DCPA

R.T.: 11.486 min
Delta R.T.: -0.004 min
Response: 6308944103
Conc: 210.27 ng/ml



#16 DCPA

R.T.: 12.139 min
Delta R.T.: -0.006 min
Response: 3168230698
Conc: 267.66 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 16:10
Operator : AR\AJ
Sample : Q1383-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.159	7.628	1445.6E6	174.4E6	350.812	185.481 #
	Target Compounds						
1) T	Dalapon	2.597	2.651	2048.0E6	713.7E6	370.988	337.087
2) T	3,5-DICHL...	6.341	6.601	1825.2E6	362.0E6	311.941	255.633
3) T	4-Nitroph...	6.960	7.160	430.3E6	209.9E6	183.868	263.196 #
5) T	DICAMBA	7.342	7.822	4733.4E6	1249.1E6	272.569	242.407
6) T	MCPP	7.519	7.924	296.0E6	51347929	24.014	21.952
7) T	MCPA	7.666	8.163	463.8E6	80816251	27.368	25.337
8) T	DICHLORPROP	8.041	8.532	1307.0E6	367.8E6	284.355	287.605
9) T	2,4-D	8.270	8.856	1542.7E6	360.8E6	324.758	284.106
10) T	Pentachlo...	8.564	9.374	16368.9E6	5101.0E6	280.501	221.660
11) T	2,4,5-TP ...	9.138	9.751	7300.6E6	2478.0E6	296.928	274.210
12) T	2,4,5-T	9.428	10.166	7156.9E6	2118.0E6	280.787	257.969
13) T	2,4-DB	9.999	10.728	1342.2E6	182.7E6	321.456	238.660 #
14) T	DINOSEB	11.193	11.104	443.6E6	141.8E6	26.671	23.389
15) T	Picloram	11.007	12.180	7006.2E6	2213.9E6	229.384	191.471
16) T	DCPA	11.485	12.138	6396.8E6	3192.2E6	213.202	269.690 #

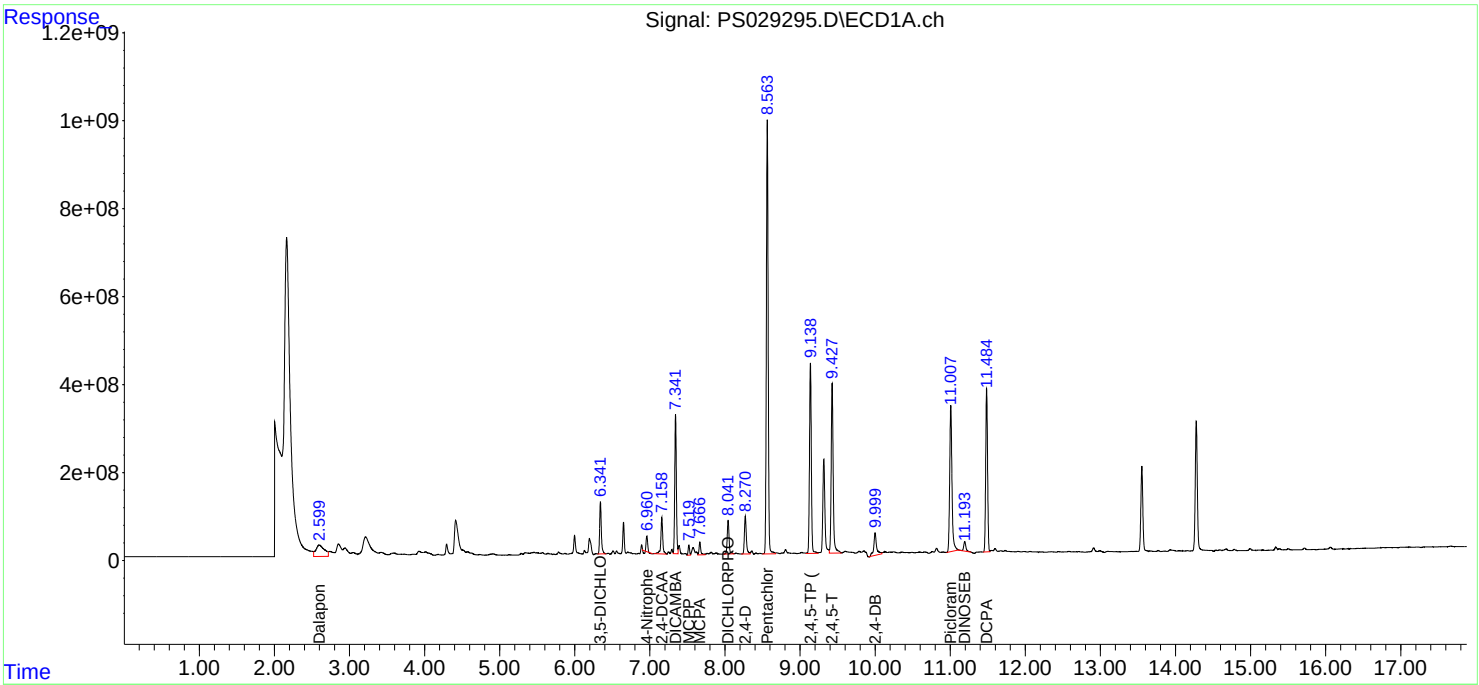
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

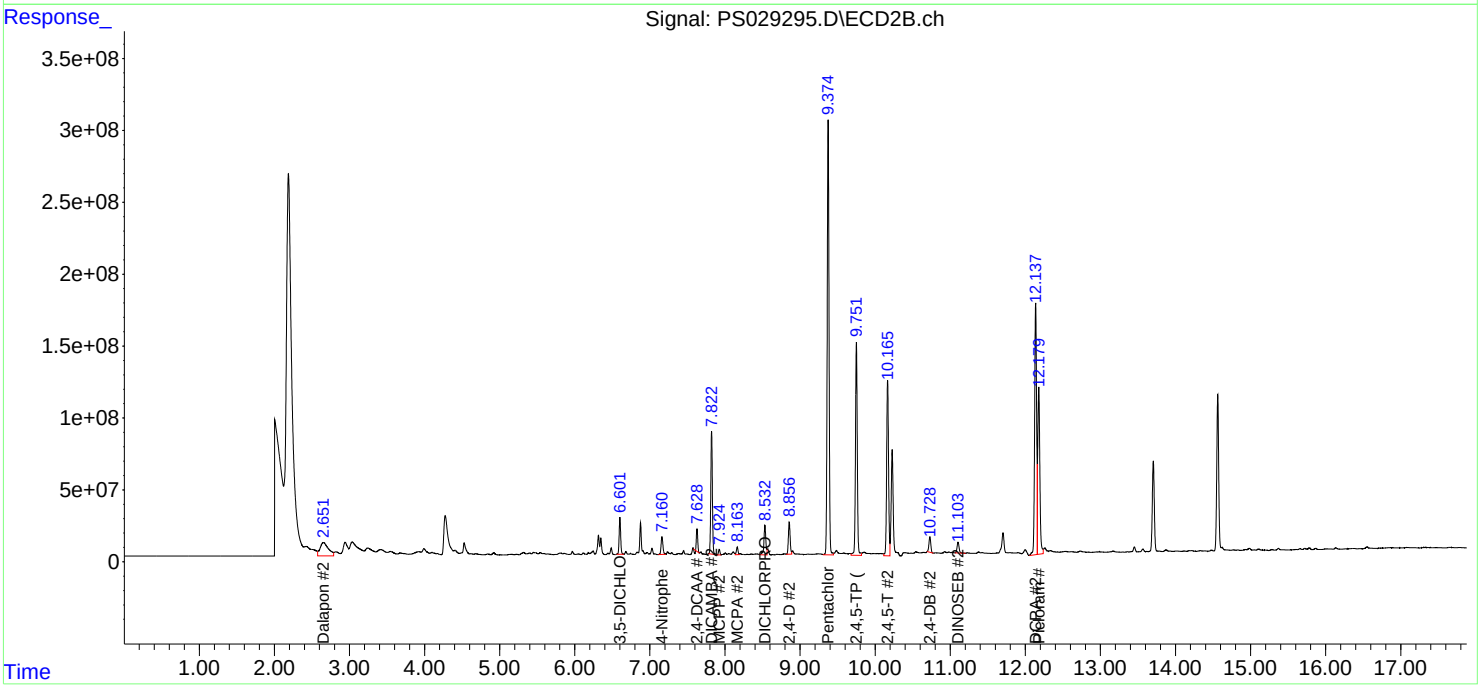
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 16:10
Operator : AR\AJ
Sample : Q1383-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

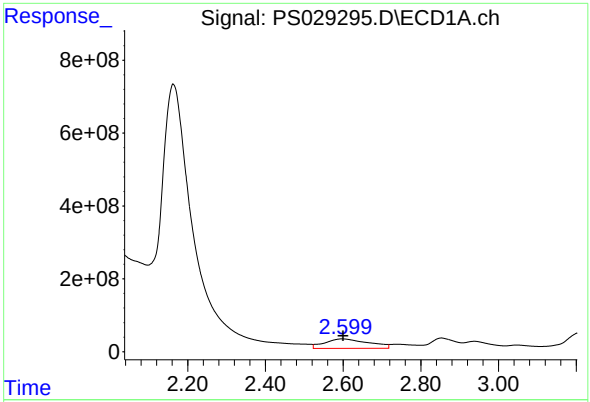
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:02:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



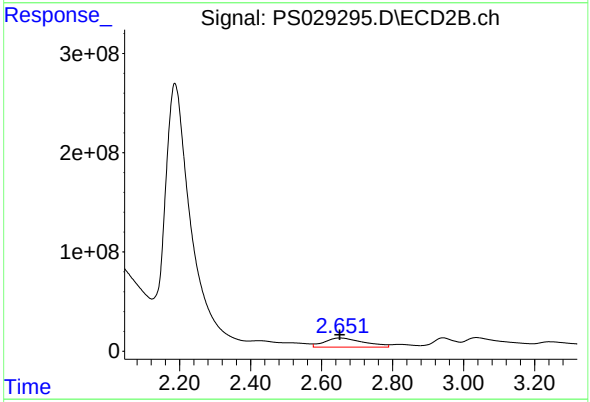




#1 Dalapon

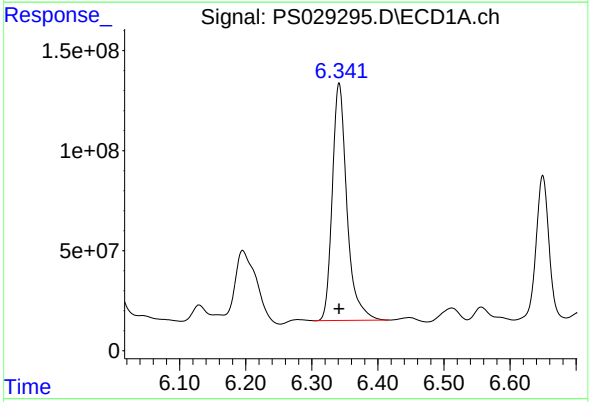
R.T.: 2.597 min
Delta R.T.: -0.003 min
Response: 2047959660
Conc: 370.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD



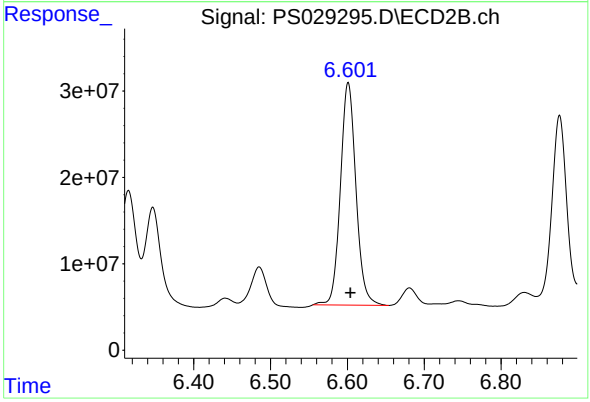
#1 Dalapon

R.T.: 2.651 min
Delta R.T.: 0.000 min
Response: 713653019
Conc: 337.09 ng/ml



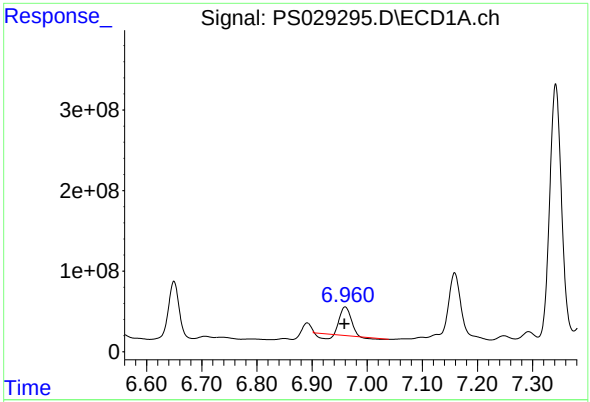
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 1825202217
Conc: 311.94 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

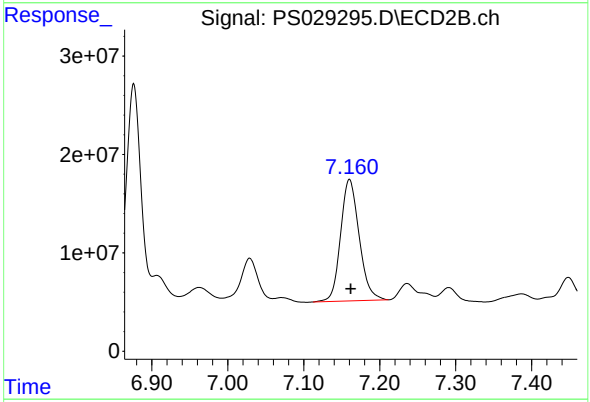
R.T.: 6.601 min
Delta R.T.: -0.003 min
Response: 362005991
Conc: 255.63 ng/ml



#3 4-Nitrophenol

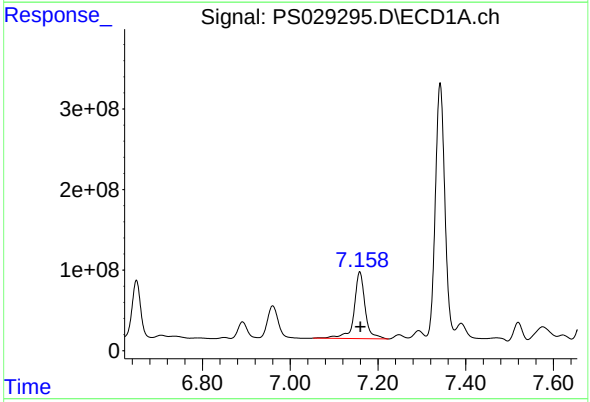
R.T.: 6.960 min
Delta R.T.: 0.002 min
Response: 430284465
Conc: 183.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD



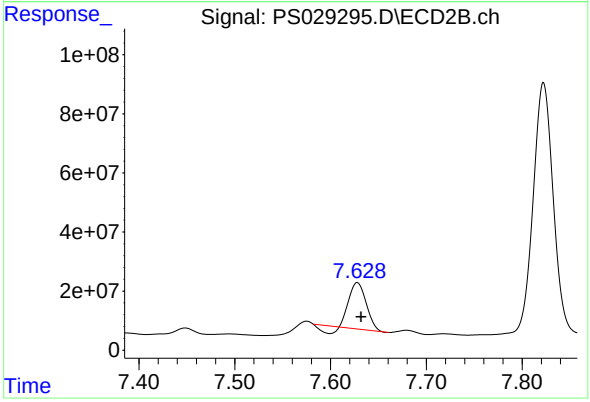
#3 4-Nitrophenol

R.T.: 7.160 min
Delta R.T.: -0.002 min
Response: 209911380
Conc: 263.20 ng/ml



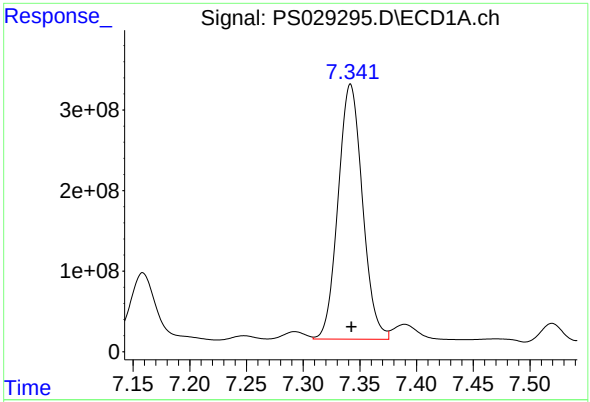
#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: -0.001 min
Response: 1445550048
Conc: 350.81 ng/ml



#4 2,4-DCAA

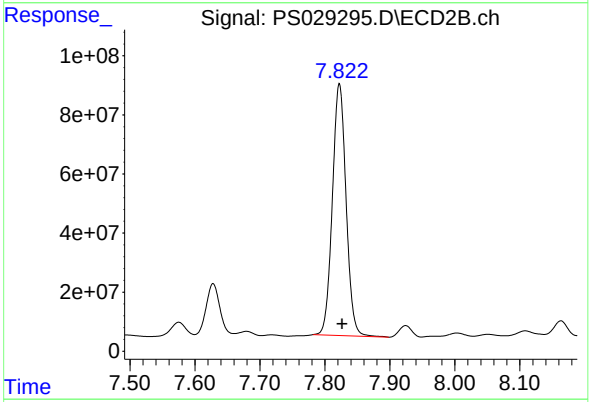
R.T.: 7.628 min
Delta R.T.: -0.004 min
Response: 174413795
Conc: 185.48 ng/ml



#5 DICAMBA

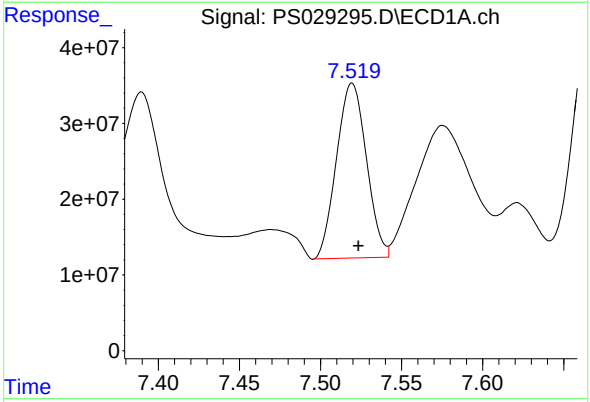
R.T.: 7.342 min
Delta R.T.: 0.000 min
Response: 4733418726
Conc: 272.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD



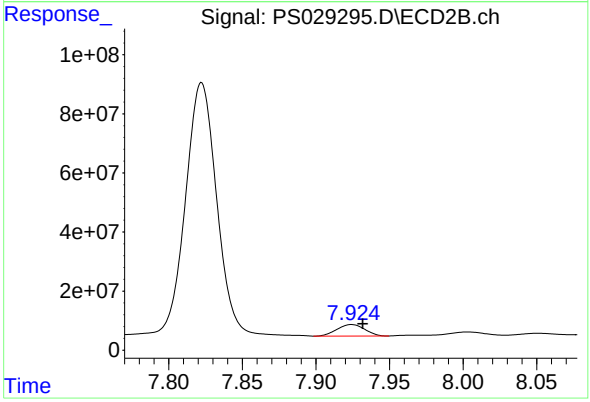
#5 DICAMBA

R.T.: 7.822 min
Delta R.T.: -0.004 min
Response: 1249114516
Conc: 242.41 ng/ml



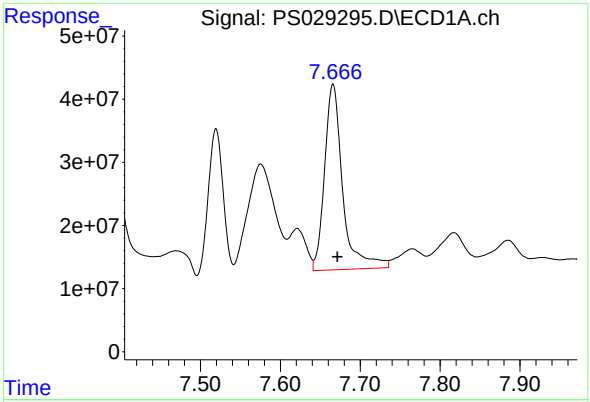
#6 MCPP

R.T.: 7.519 min
Delta R.T.: -0.004 min
Response: 295985965
Conc: 24.01 ug/ml



#6 MCPP

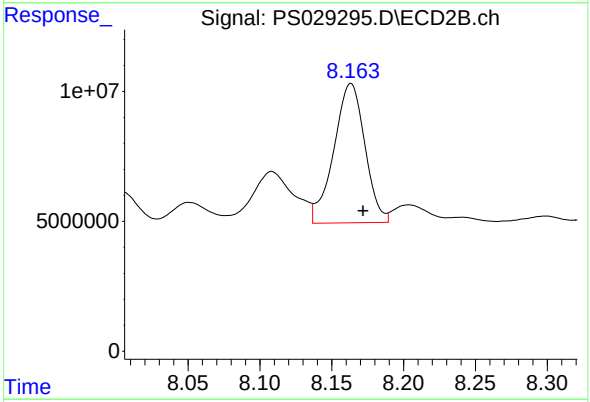
R.T.: 7.924 min
Delta R.T.: -0.008 min
Response: 51347929
Conc: 21.95 ug/ml



#7 MCPA

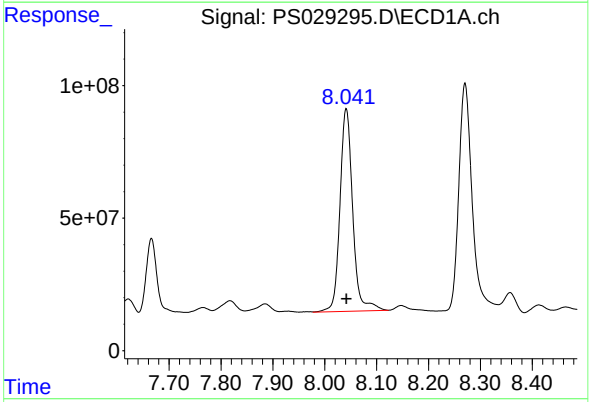
R.T.: 7.666 min
Delta R.T.: -0.005 min
Response: 463753271
Conc: 27.37 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD



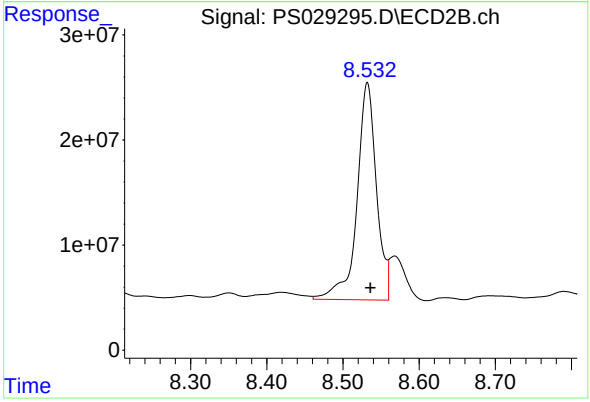
#7 MCPA

R.T.: 8.163 min
Delta R.T.: -0.009 min
Response: 80816251
Conc: 25.34 ug/ml



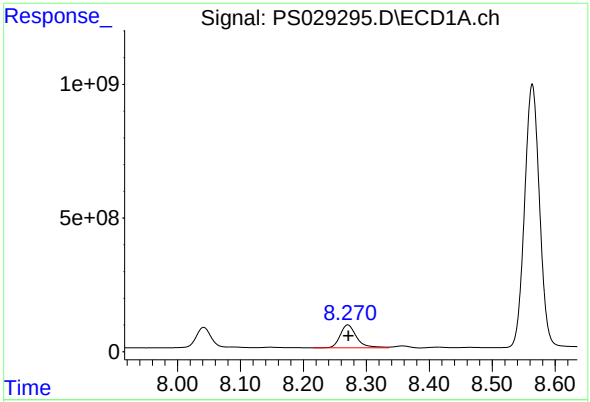
#8 DICHLORPROP

R.T.: 8.041 min
Delta R.T.: 0.000 min
Response: 1307027302
Conc: 284.36 ng/ml



#8 DICHLORPROP

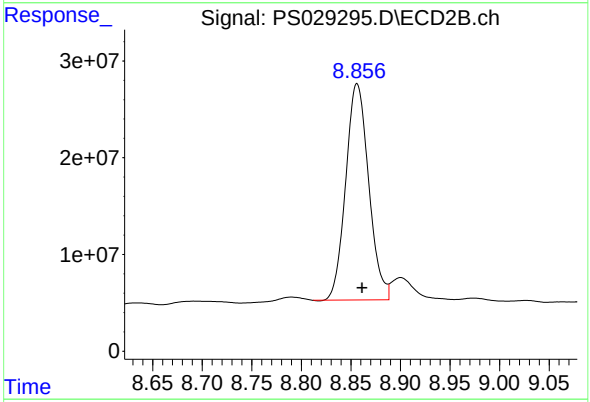
R.T.: 8.532 min
Delta R.T.: -0.004 min
Response: 367777488
Conc: 287.60 ng/ml



#9 2,4-D

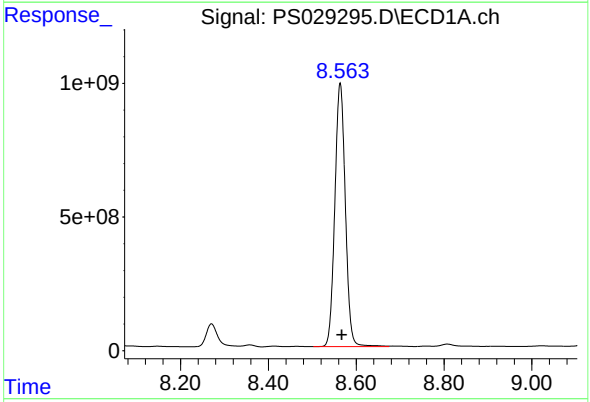
R.T.: 8.270 min
Delta R.T.: -0.001 min
Response: 1542740316
Conc: 324.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD



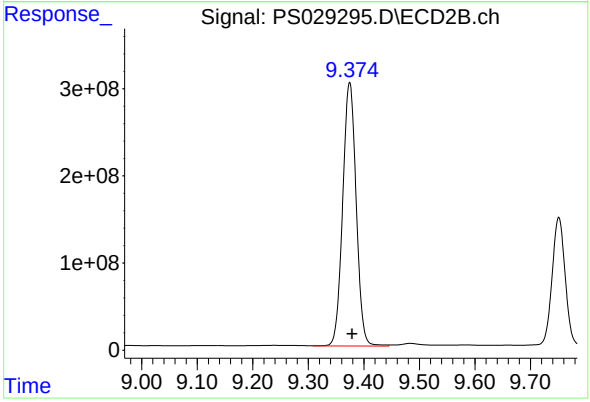
#9 2,4-D

R.T.: 8.856 min
Delta R.T.: -0.005 min
Response: 360785180
Conc: 284.11 ng/ml



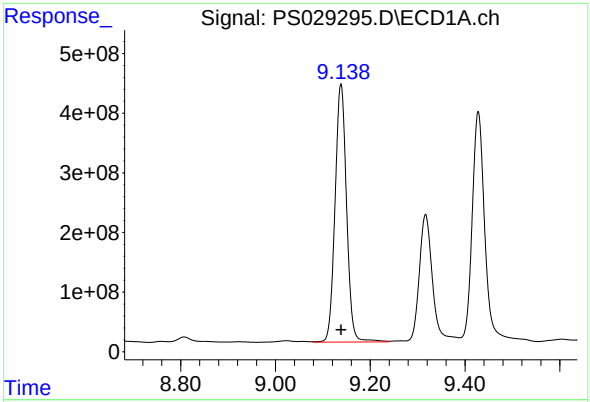
#10 Pentachlorophenol

R.T.: 8.564 min
Delta R.T.: -0.004 min
Response: 16368941085
Conc: 280.50 ng/ml



#10 Pentachlorophenol

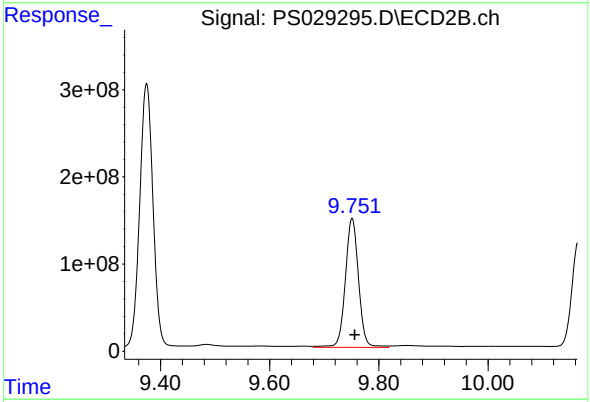
R.T.: 9.374 min
Delta R.T.: -0.004 min
Response: 5100980216
Conc: 221.66 ng/ml



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

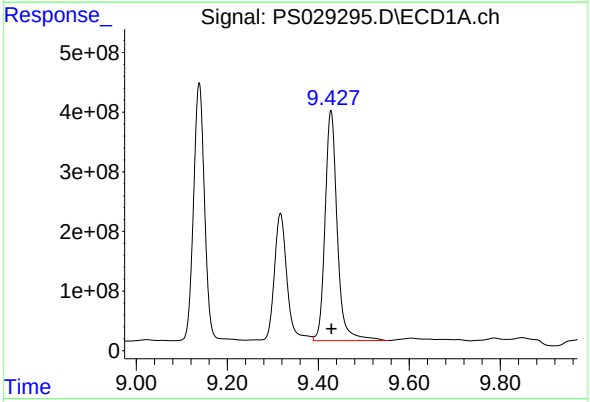
R.T.: 9.138 min
Delta R.T.: 0.000 min
Response: 7300561870
Conc: 296.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD



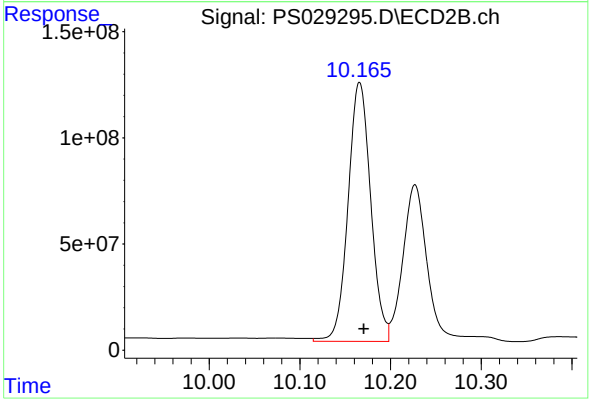
#11 2,4,5-TP (SILVEX)

R.T.: 9.751 min
Delta R.T.: -0.005 min
Response: 2477950080
Conc: 274.21 ng/ml



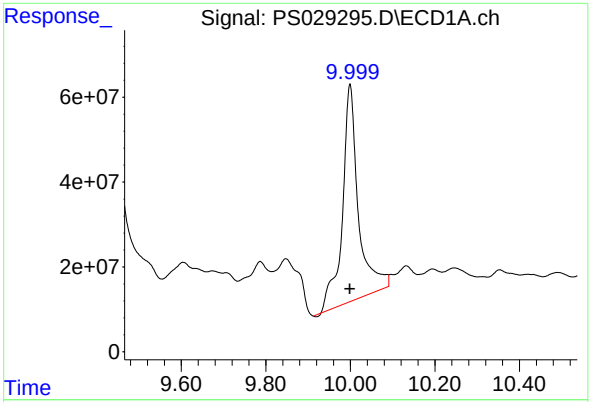
#12 2,4,5-T

R.T.: 9.428 min
Delta R.T.: -0.001 min
Response: 7156900366
Conc: 280.79 ng/ml



#12 2,4,5-T

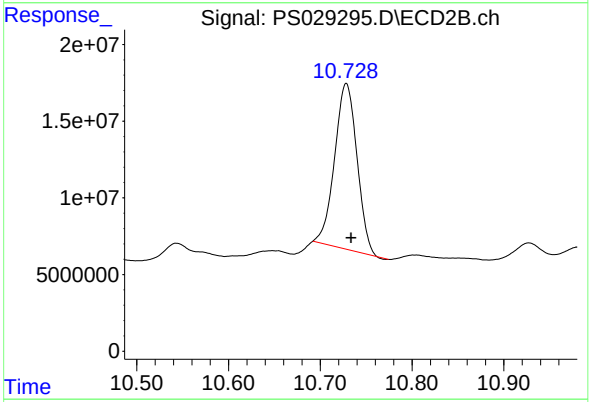
R.T.: 10.166 min
Delta R.T.: -0.005 min
Response: 2118001980
Conc: 257.97 ng/ml



#13 2,4-DB

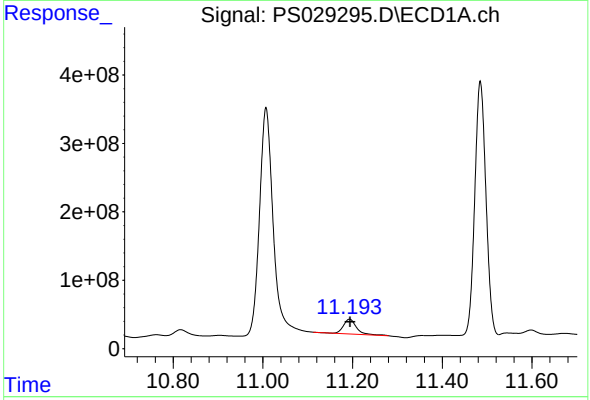
R.T.: 9.999 min
Delta R.T.: 0.001 min
Response: 1342216338
Conc: 321.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD



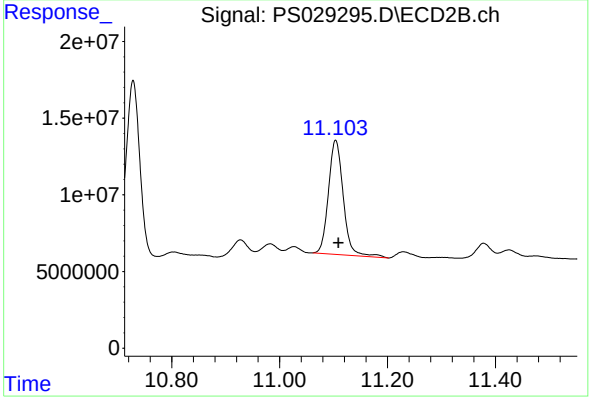
#13 2,4-DB

R.T.: 10.728 min
Delta R.T.: -0.005 min
Response: 182715960
Conc: 238.66 ng/ml



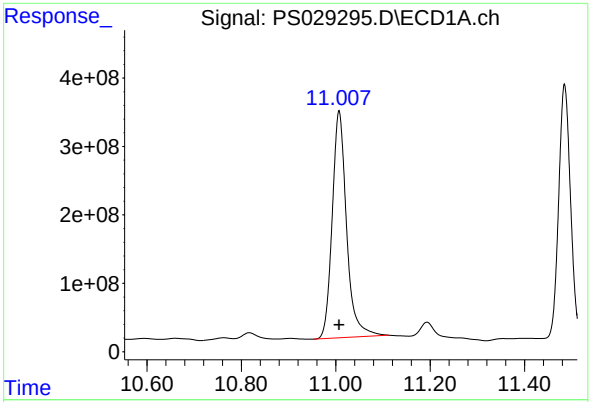
#14 DINOSEB

R.T.: 11.193 min
Delta R.T.: -0.001 min
Response: 443565942
Conc: 26.67 ng/ml



#14 DINOSEB

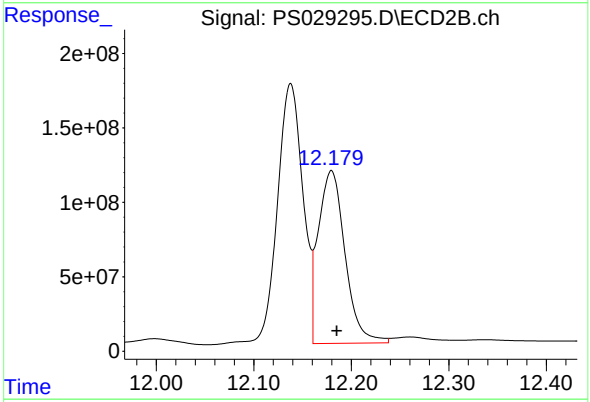
R.T.: 11.104 min
Delta R.T.: -0.005 min
Response: 141773205
Conc: 23.39 ng/ml



#15 Picloram

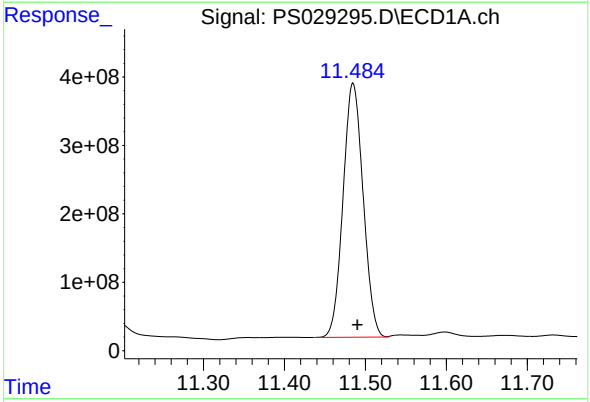
R.T.: 11.007 min
Delta R.T.: 0.000 min
Response: 7006195822
Conc: 229.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-11-021725MSD



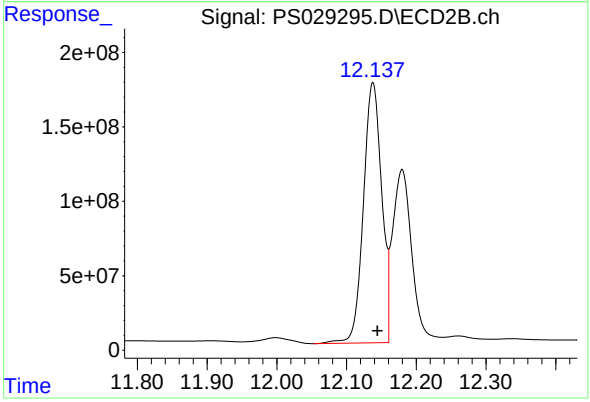
#15 Picloram

R.T.: 12.180 min
Delta R.T.: -0.006 min
Response: 2213869912
Conc: 191.47 ng/ml



#16 DCPA

R.T.: 11.485 min
Delta R.T.: -0.005 min
Response: 6396808742
Conc: 213.20 ng/ml



#16 DCPA

R.T.: 12.138 min
Delta R.T.: -0.006 min
Response: 3192194174
Conc: 269.69 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 18:34
Operator : AR\AJ
Sample : PB166764BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB166764BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:05:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.158	7.627	2042.1E6	459.5E6	495.594	488.648	
	Target Compounds							
1) T	Dalapon	2.568f	2.633	490.0E6	281.7E6	88.760	133.052	#
2) T	3,5-DICHL...	6.358	6.623	1115594	16270141	<MDL	11.489	#
3) T	4-Nitroph...	6.946	0.000	26580357	0	11.358	N.D.	#
5) T	DICAMBA	0.000	7.815	0	3546309	N.D.	<MDL	
6) T	MCPP	0.000	7.893f	0	4744966	N.D.	2.029	
7) T	MCPA	7.663	8.166	15096021	15000362	<MDL	4.703	#
8) T	DICHLORPROP	8.060	8.571f	4266819	111.0E6	<MDL	86.831	#
10) T	Pentachlo...	8.565	9.374	88713557	37290568	1.520	1.620	
11) T	2,4,5-TP ...	9.109f	9.776	33012644	37232036	1.343	4.120	#
12) T	2,4,5-T	9.428	10.141f	109.2E6	94571229	4.283	11.519	#
13) T	2,4-DB	10.025f	10.747	730.1E6	22655422	174.860	29.592	#
14) T	DINOSEB	0.000	11.106	0	27687988	N.D.	4.568	
15) T	Picloram	11.002	12.188	20063507	39299232	<MDL	3.399	#
16) T	DCPA	11.457f	12.128	321.1E6	95369712	10.702	8.057	

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

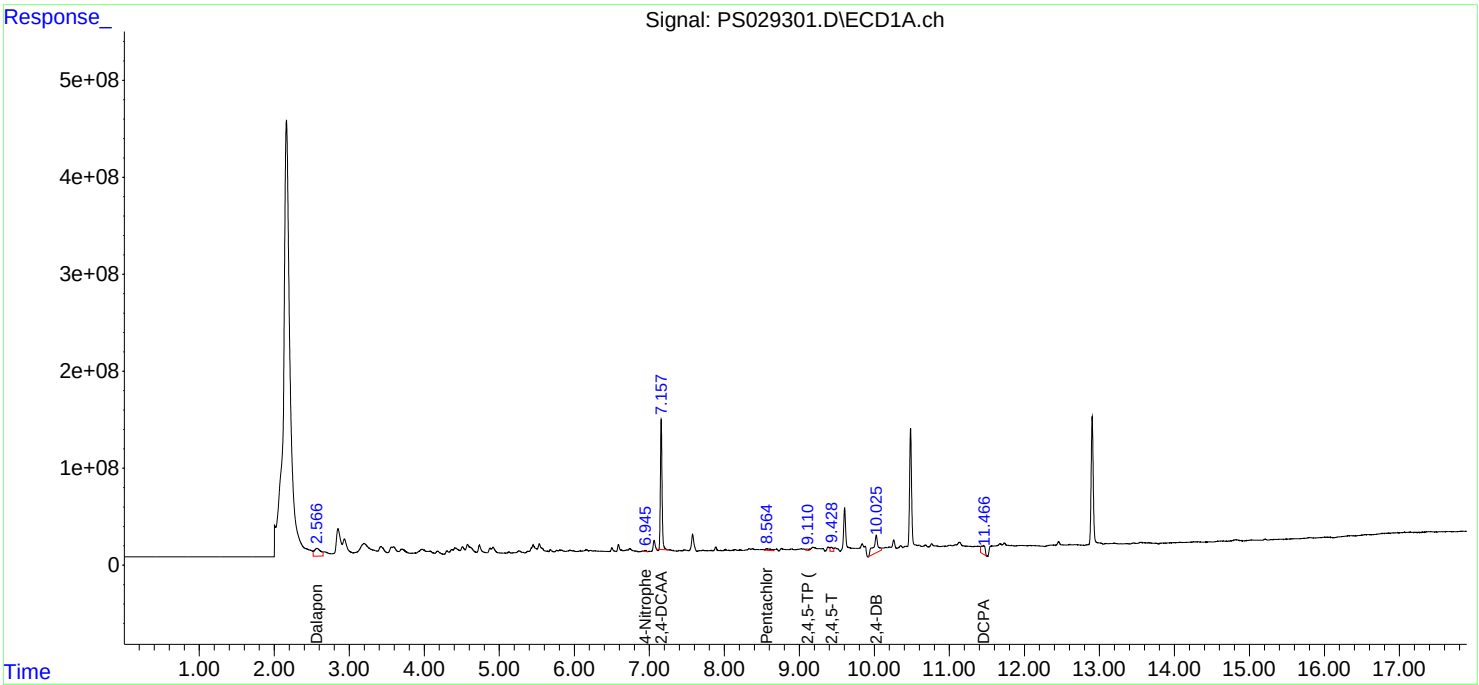
Quantitation Report (Not Reviewed)

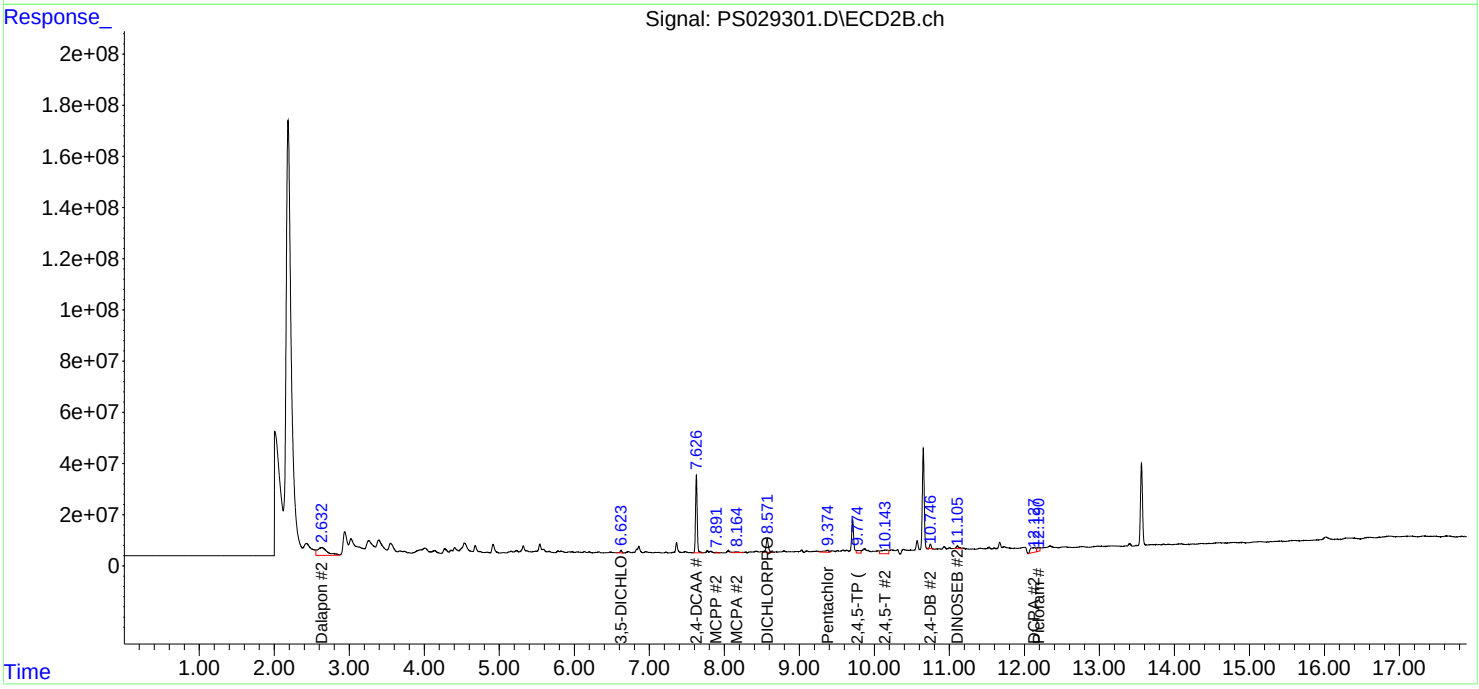
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 18:34
Operator : AR\AJ
Sample : PB166764BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

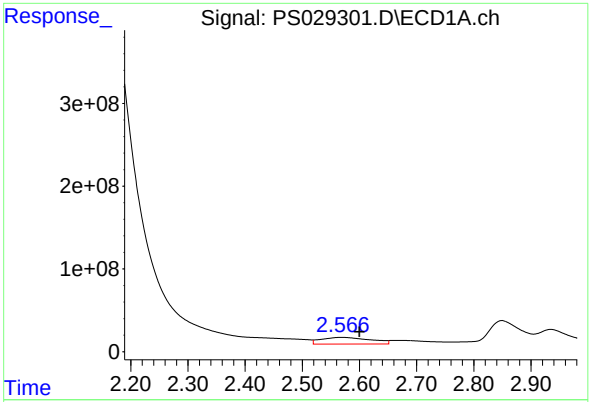
Instrument :
ECD_S
ClientSampleId :
PB166764BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:05:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #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



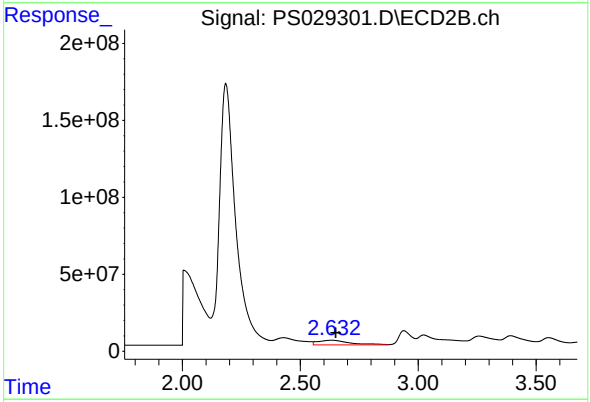




#1 Dalapon

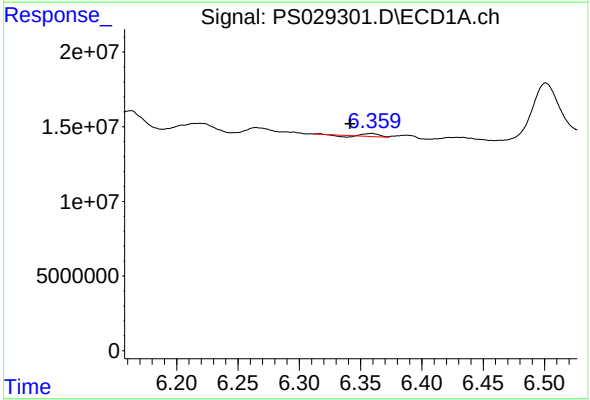
R.T.: 2.568 min
Delta R.T.: -0.032 min
Response: 489979126
Conc: 88.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB166764BL



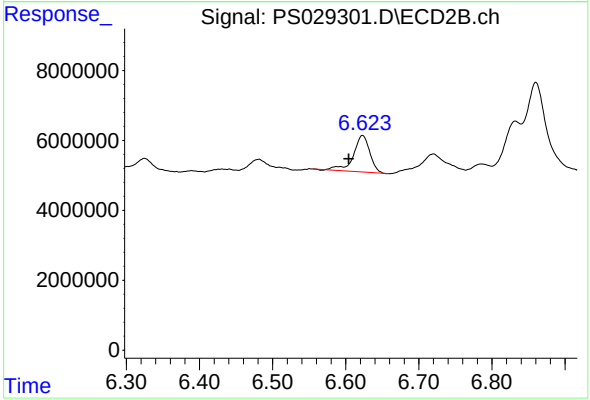
#1 Dalapon

R.T.: 2.633 min
Delta R.T.: -0.018 min
Response: 281687699
Conc: 133.05 ng/ml



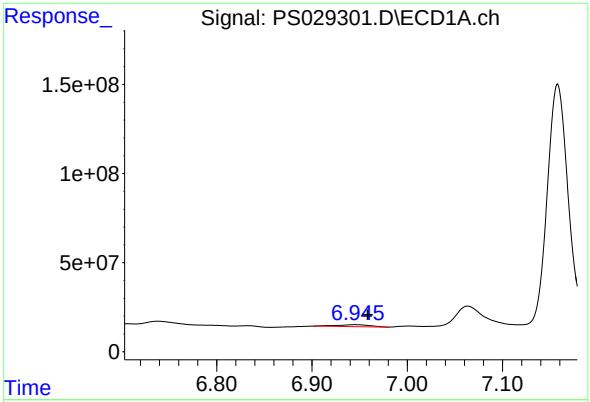
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.358 min
Delta R.T.: 0.017 min
Response: 1115594
Conc: N.D.



#2 3,5-DICHLOROBENZOIC ACID

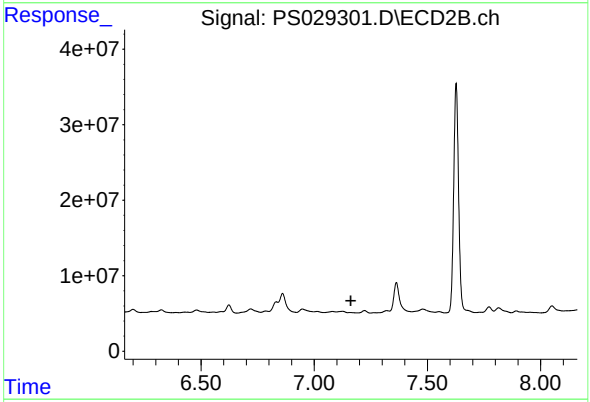
R.T.: 6.623 min
Delta R.T.: 0.019 min
Response: 16270141
Conc: 11.49 ng/ml



#3 4-Nitrophenol

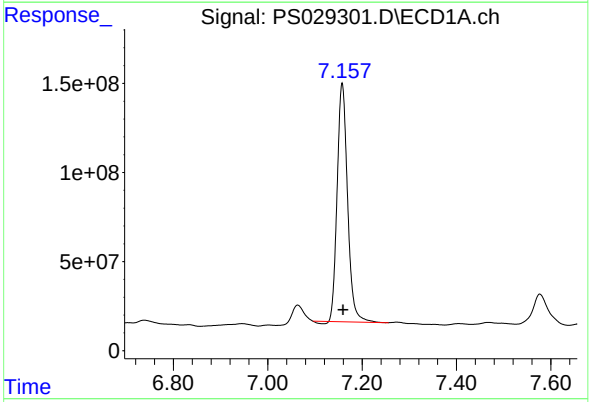
R.T.: 6.946 min
Delta R.T.: -0.013 min
Response: 26580357
Conc: 11.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB166764BL



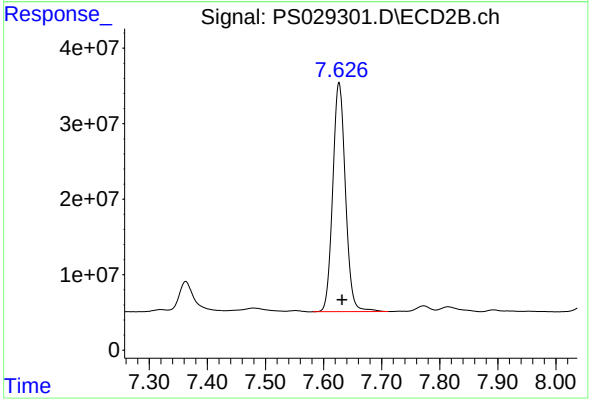
#3 4-Nitrophenol

R.T.: 0.000 min
Exp R.T. : 7.162 min
Response: 0
Conc: N.D.



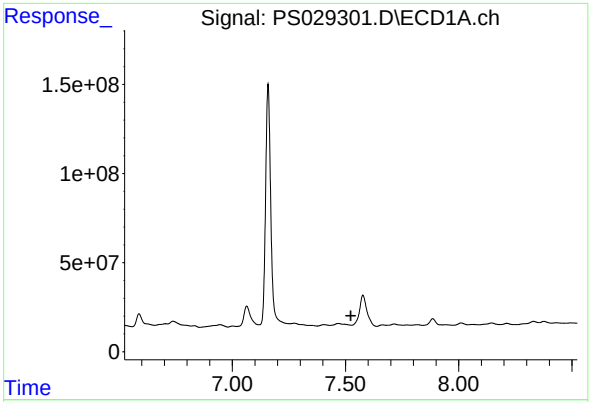
#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 2042133513
Conc: 495.59 ng/ml



#4 2,4-DCAA

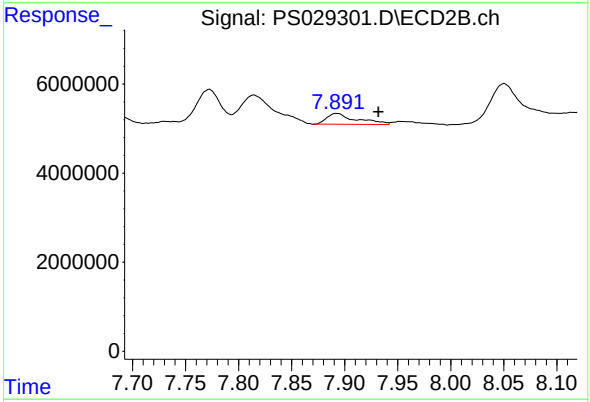
R.T.: 7.627 min
Delta R.T.: -0.005 min
Response: 459491569
Conc: 488.65 ng/ml



#6 MCPP

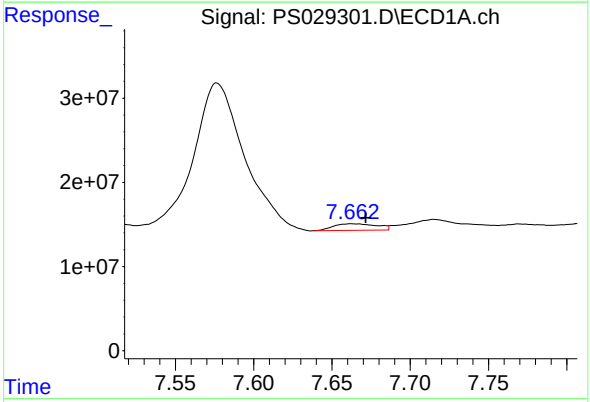
R.T.: 0.000 min
Exp R.T. : 7.524 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
PB166764BL



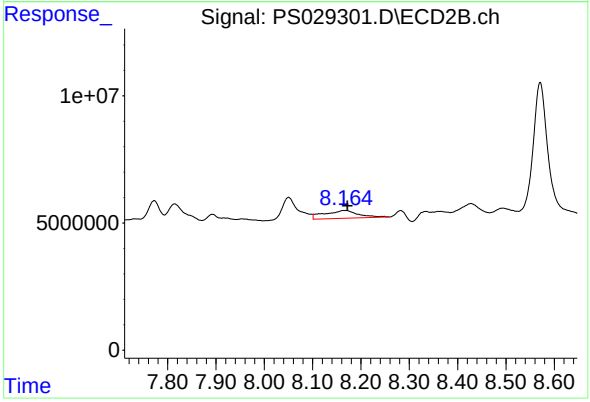
#6 MCPP

R.T.: 7.893 min
Delta R.T.: -0.039 min
Response: 4744966
Conc: 2.03 ug/ml



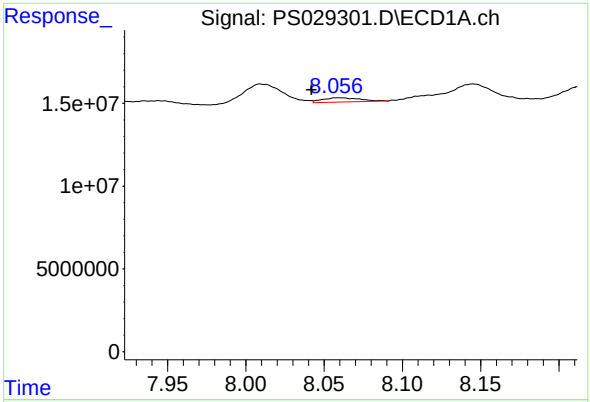
#7 MCPA

R.T.: 7.663 min
Delta R.T.: -0.008 min
Response: 15096021
Conc: N.D.



#7 MCPA

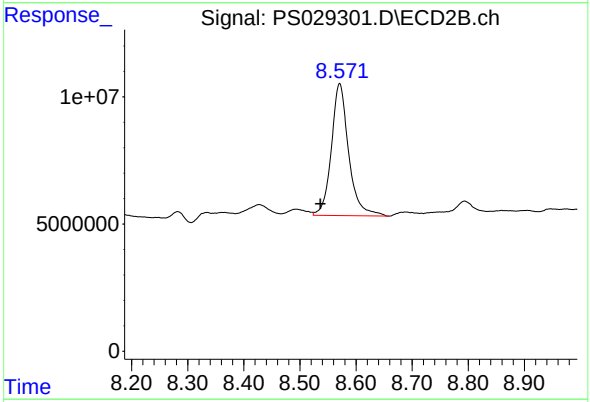
R.T.: 8.166 min
Delta R.T.: -0.005 min
Response: 15000362
Conc: 4.70 ug/ml



#8 DICHLORPROP

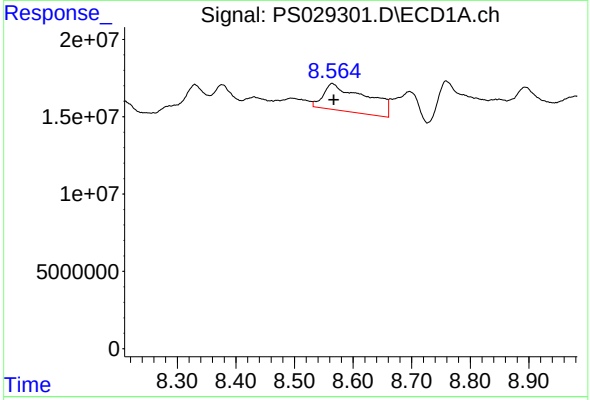
R.T.: 8.060 min
Delta R.T.: 0.018 min
Response: 4266819
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
PB166764BL



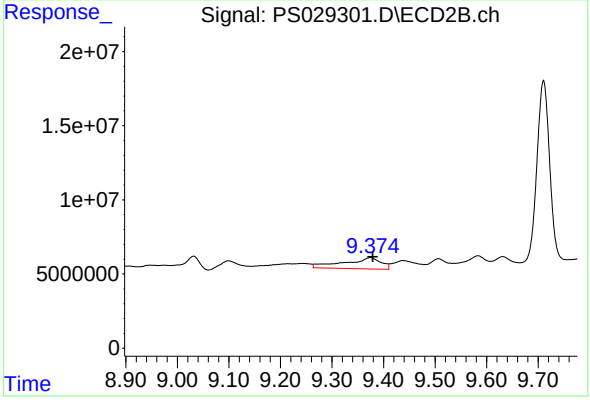
#8 DICHLORPROP

R.T.: 8.571 min
Delta R.T.: 0.035 min
Response: 111035503
Conc: 86.83 ng/ml



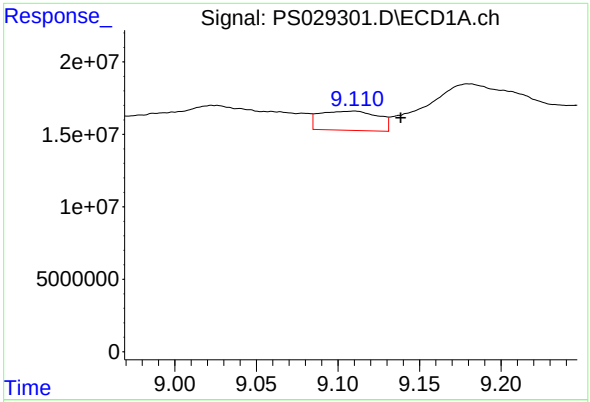
#10 Pentachlorophenol

R.T.: 8.565 min
Delta R.T.: -0.002 min
Response: 88713557
Conc: 1.52 ng/ml



#10 Pentachlorophenol

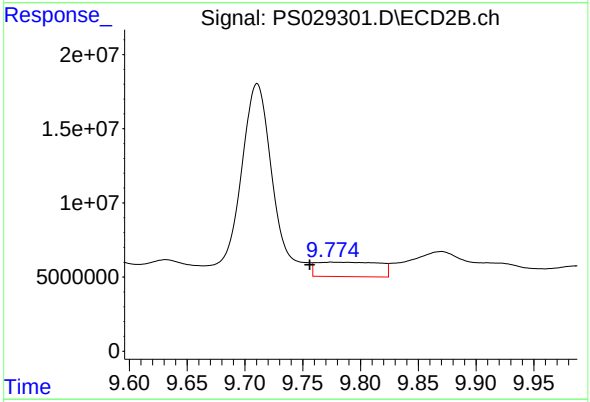
R.T.: 9.374 min
Delta R.T.: -0.005 min
Response: 37290568
Conc: 1.62 ng/ml



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

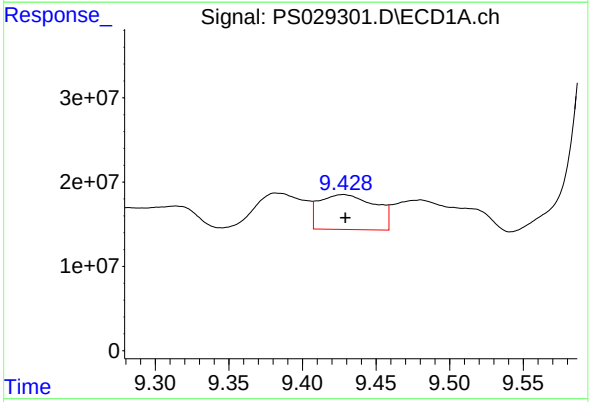
R.T.: 9.109 min
Delta R.T.: -0.030 min
Response: 33012644
Conc: 1.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB166764BL



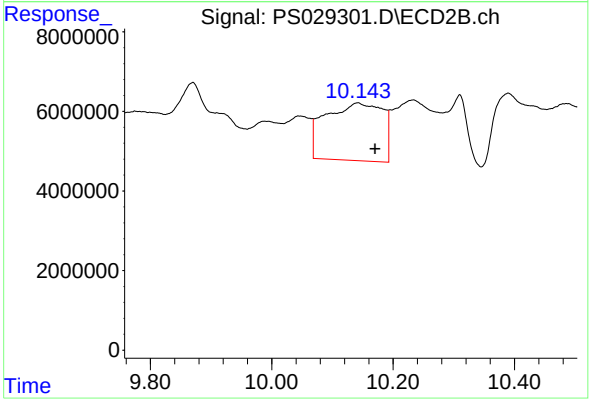
#11 2,4,5-TP (SILVEX)

R.T.: 9.776 min
Delta R.T.: 0.020 min
Response: 37232036
Conc: 4.12 ng/ml



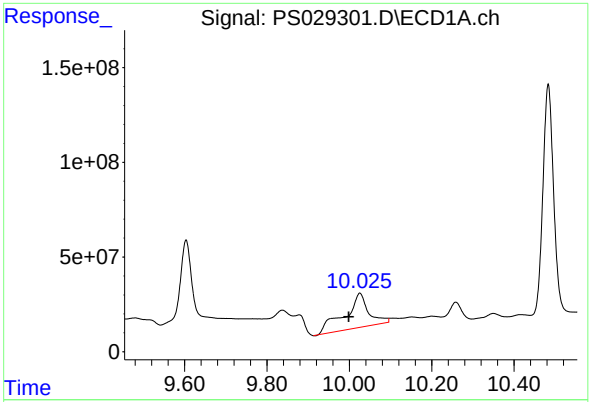
#12 2,4,5-T

R.T.: 9.428 min
Delta R.T.: -0.002 min
Response: 109166002
Conc: 4.28 ng/ml



#12 2,4,5-T

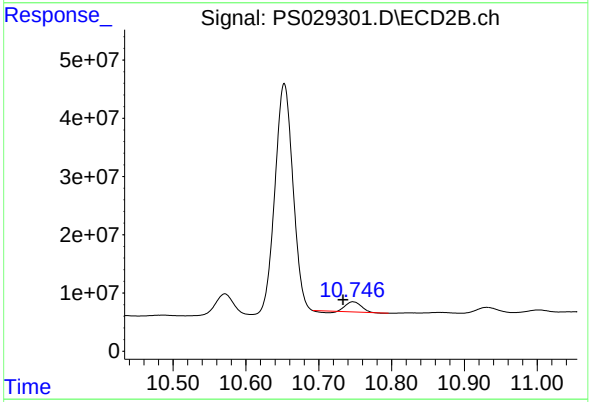
R.T.: 10.141 min
Delta R.T.: -0.029 min
Response: 94571229
Conc: 11.52 ng/ml



#13 2,4-DB

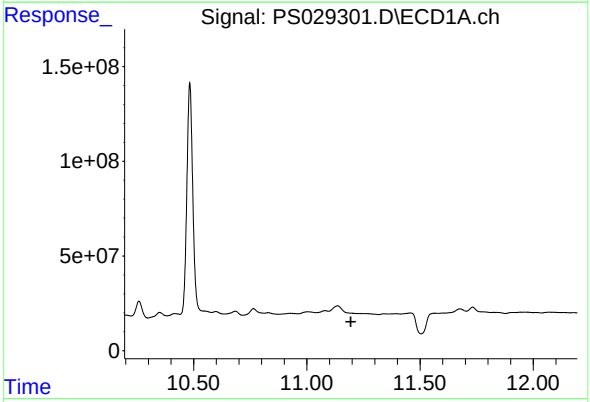
R.T.: 10.025 min
Delta R.T.: 0.027 min
Response: 730114460
Conc: 174.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB166764BL



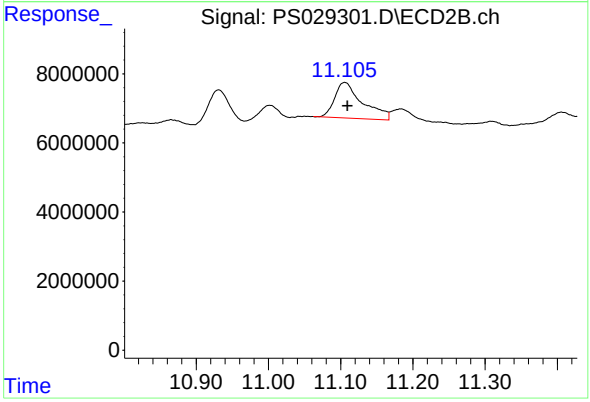
#13 2,4-DB

R.T.: 10.747 min
Delta R.T.: 0.014 min
Response: 22655422
Conc: 29.59 ng/ml



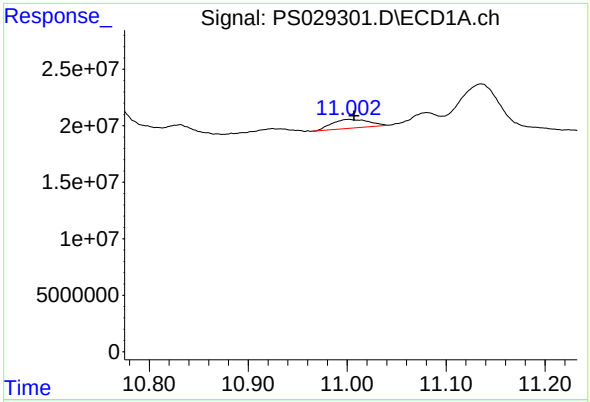
#14 DINOSEB

R.T.: 0.000 min
Exp R.T. : 11.194 min
Response: 0
Conc: N.D.



#14 DINOSEB

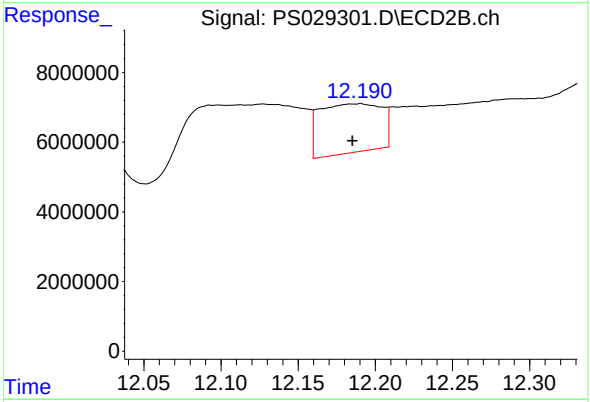
R.T.: 11.106 min
Delta R.T.: -0.004 min
Response: 27687988
Conc: 4.57 ng/ml



#15 Picloram

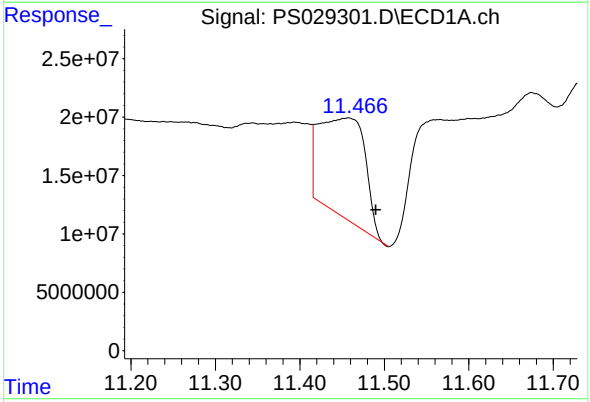
R.T.: 11.002 min
Delta R.T.: -0.005 min
Response: 20063507
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
PB166764BL



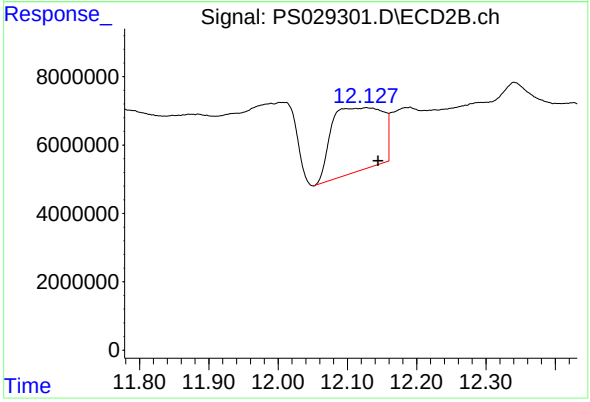
#15 Picloram

R.T.: 12.188 min
Delta R.T.: 0.003 min
Response: 39299232
Conc: 3.40 ng/ml



#16 DCPA

R.T.: 11.457 min
Delta R.T.: -0.034 min
Response: 321089320
Conc: 10.70 ng/ml



#16 DCPA

R.T.: 12.128 min
Delta R.T.: -0.016 min
Response: 95369712
Conc: 8.06 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 19:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:06:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.158	7.627	3283.0E6	731.6E6	796.743	778.000
	Target Compounds						
1) T	Dalapon	2.600	2.647	3804.8E6	1413.0E6	689.241	667.412
2) T	3,5-DICHL...	6.340	6.600	4408.9E6	1030.2E6	753.511	727.499
3) T	4-Nitroph...	6.957	7.157	1738.5E6	569.1E6	742.893	713.596
5) T	DICAMBA	7.341	7.821	13221.8E6	3881.2E6	761.361	753.198
6) T	MCPP	7.523	7.927	963.2E6	174.6E6	78.142	74.627
7) T	MCPA	7.671	8.167	1285.7E6	236.0E6	75.874	74.000
8) T	DICHLORPROP	8.040	8.531	3402.8E6	947.5E6	740.315	740.931
9) T	2,4-D	8.269	8.856	3567.4E6	944.8E6	750.967	743.986
10) T	Pentachlo...	8.567	9.373	44610.2E6	17597.1E6	764.447	764.670
11) T	2,4,5-TP ...	9.137	9.750	18843.6E6	6911.5E6	766.407	764.829
12) T	2,4,5-T	9.427	10.165	19511.7E6	6279.8E6	765.504	764.871
13) T	2,4-DB	9.996	10.728	3206.9E6	547.2E6	768.044	714.718
14) T	DINOSEB	11.193	11.103	12437.4E6	4447.5E6	747.855	733.733
15) T	Picloram	11.005	12.178	22952.5E6	8402.9E6	751.469	726.740
16) T	DCPA	11.488	12.137	23129.5E6	9259.5E6	770.894	782.276

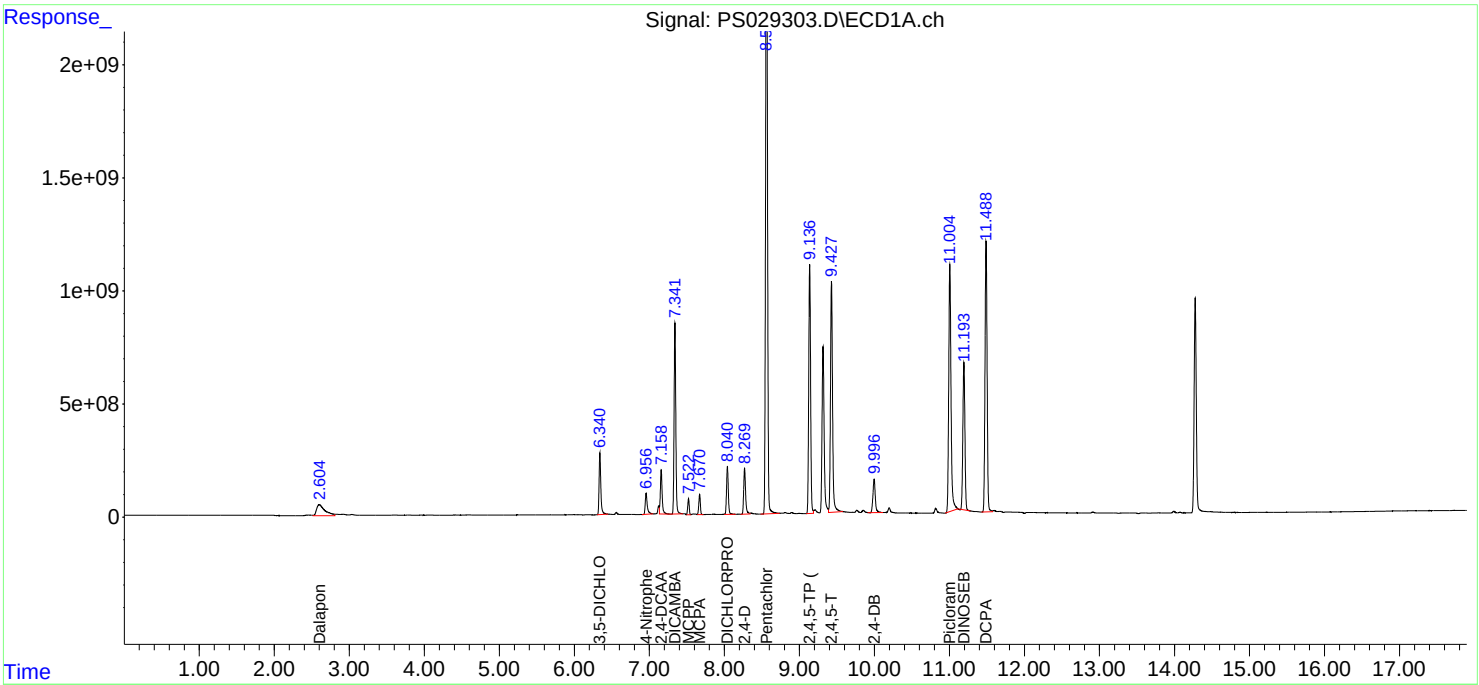
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

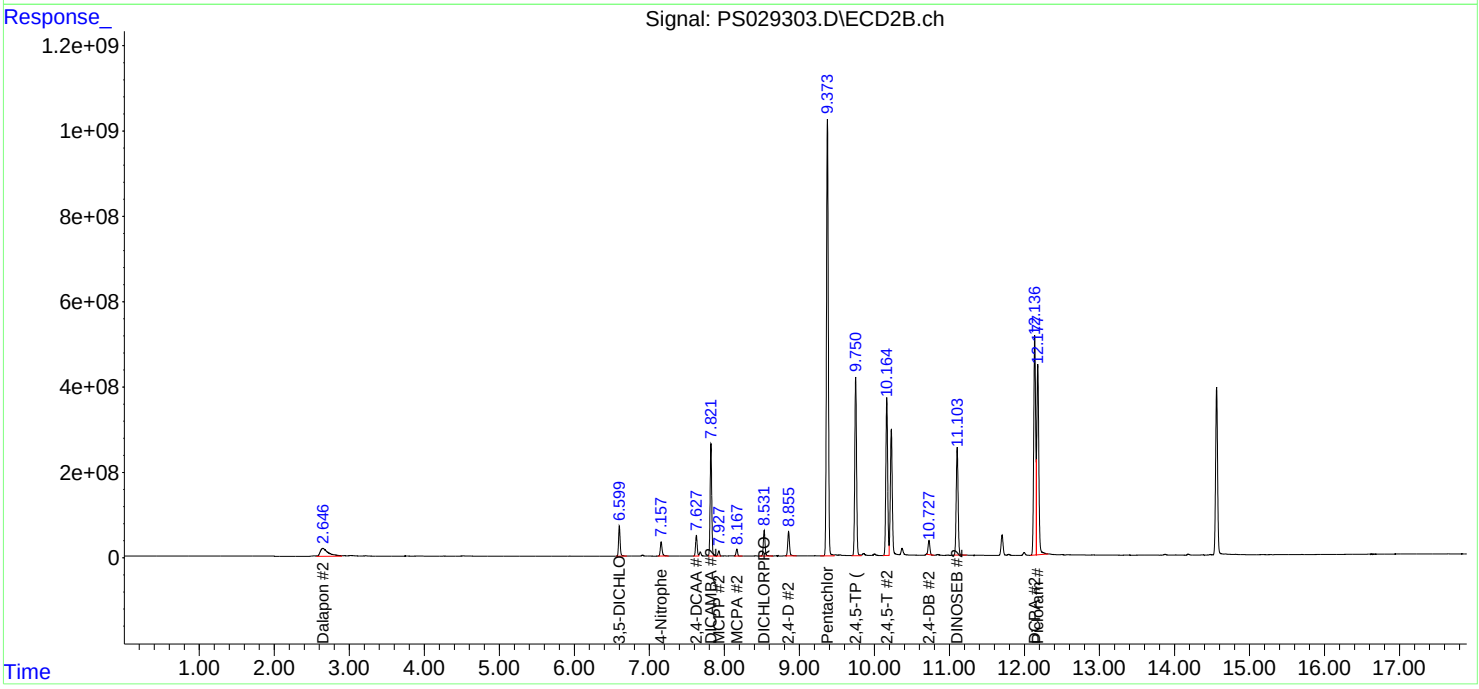
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 19:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

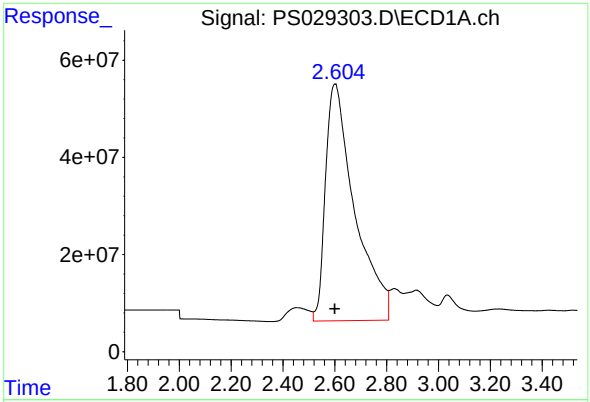
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:06:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



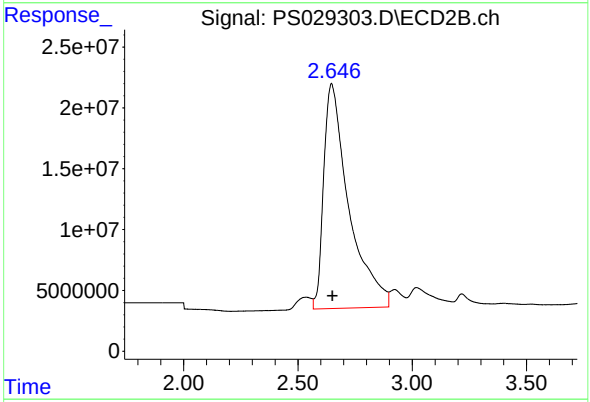




#1 Dalapon

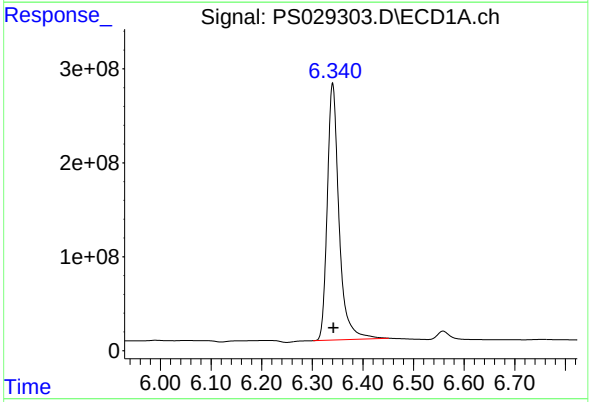
R.T.: 2.600 min
Delta R.T.: 0.000 min
Response: 3804805677
Conc: 689.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



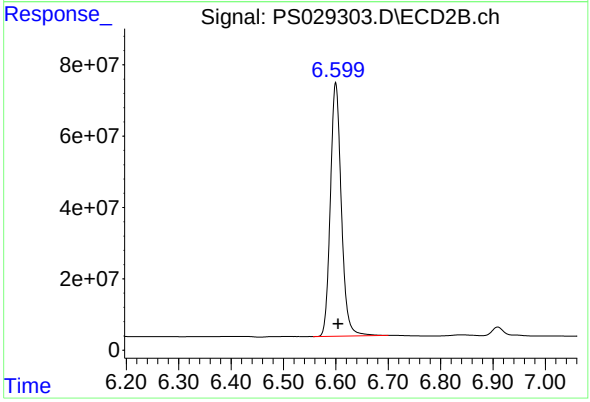
#1 Dalapon

R.T.: 2.647 min
Delta R.T.: -0.004 min
Response: 1412990643
Conc: 667.41 ng/ml



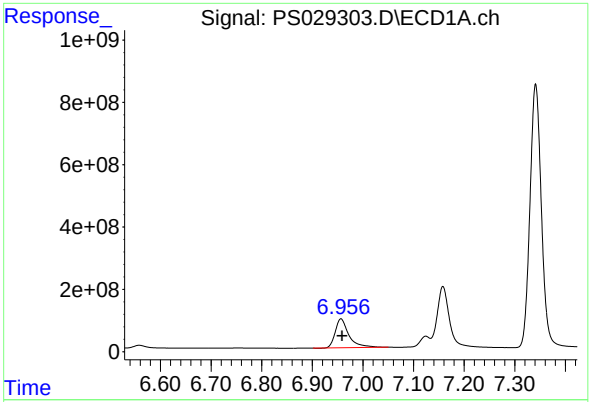
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.340 min
Delta R.T.: -0.001 min
Response: 4408883097
Conc: 753.51 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

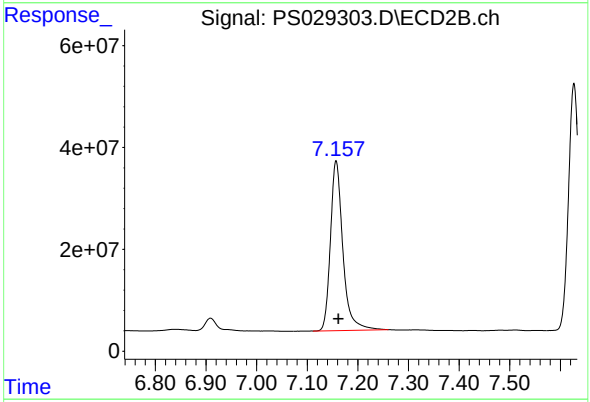
R.T.: 6.600 min
Delta R.T.: -0.004 min
Response: 1030222349
Conc: 727.50 ng/ml



#3 4-Nitrophenol

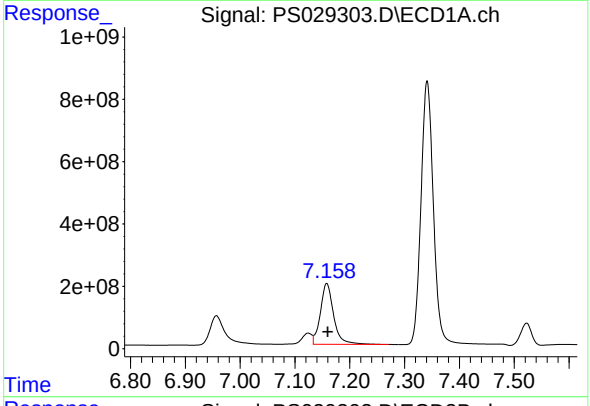
R.T.: 6.957 min
Delta R.T.: -0.002 min
Response: 1738505367
Conc: 742.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



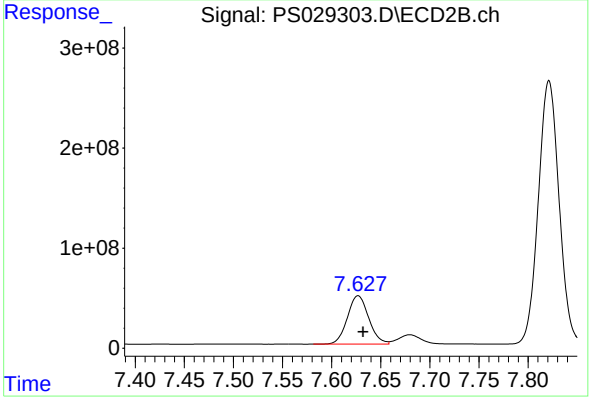
#3 4-Nitrophenol

R.T.: 7.157 min
Delta R.T.: -0.005 min
Response: 569126968
Conc: 713.60 ng/ml



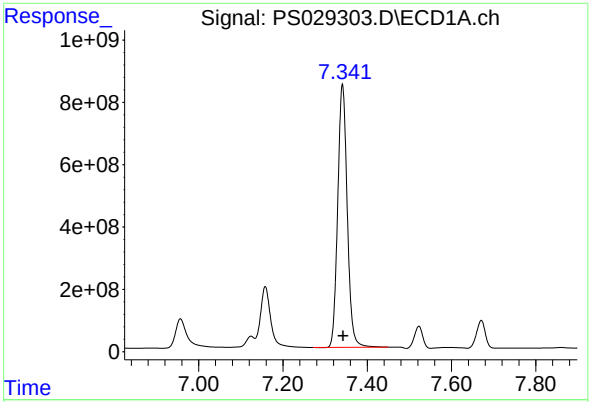
#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 3283039909
Conc: 796.74 ng/ml



#4 2,4-DCAA

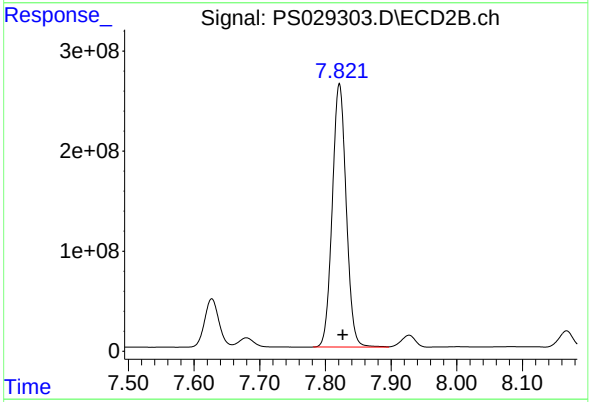
R.T.: 7.627 min
Delta R.T.: -0.005 min
Response: 731578842
Conc: 778.00 ng/ml



#5 DICAMBA

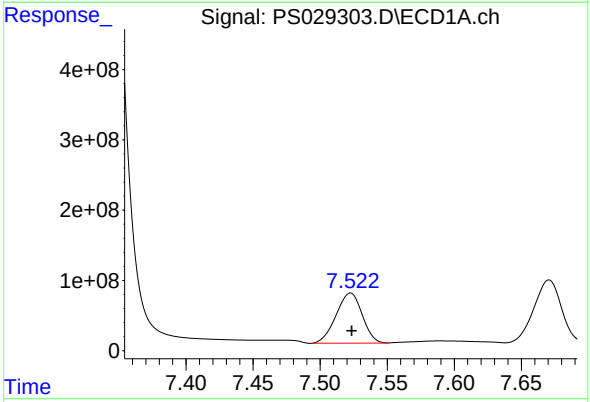
R.T.: 7.341 min
Delta R.T.: -0.001 min
Response: 13221756135
Conc: 761.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



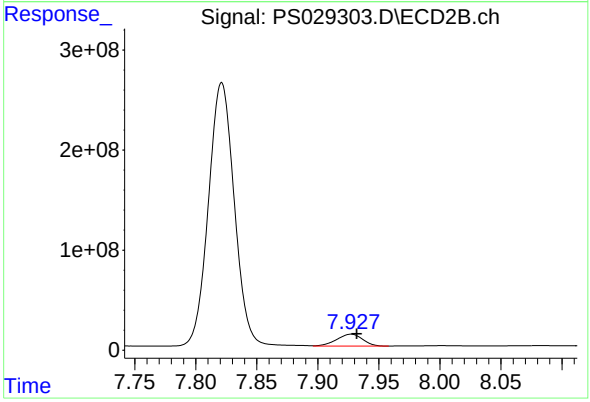
#5 DICAMBA

R.T.: 7.821 min
Delta R.T.: -0.005 min
Response: 3881205937
Conc: 753.20 ng/ml



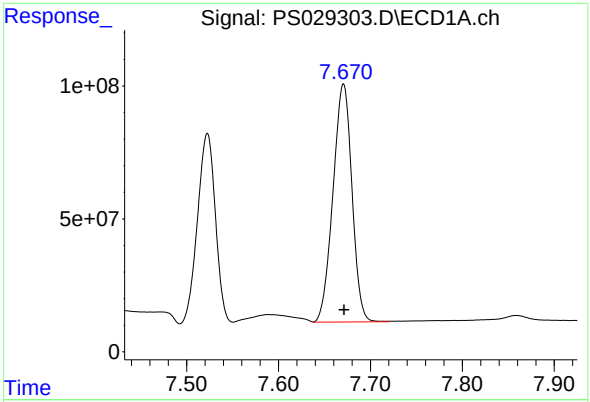
#6 MCPP

R.T.: 7.523 min
Delta R.T.: 0.000 min
Response: 963159321
Conc: 78.14 ug/ml



#6 MCPP

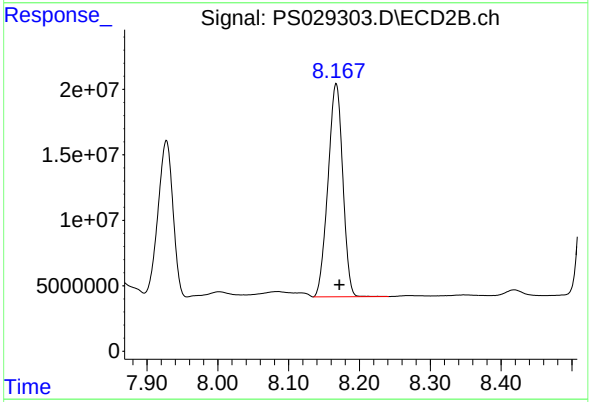
R.T.: 7.927 min
Delta R.T.: -0.005 min
Response: 174564165
Conc: 74.63 ug/ml



#7 MCPA

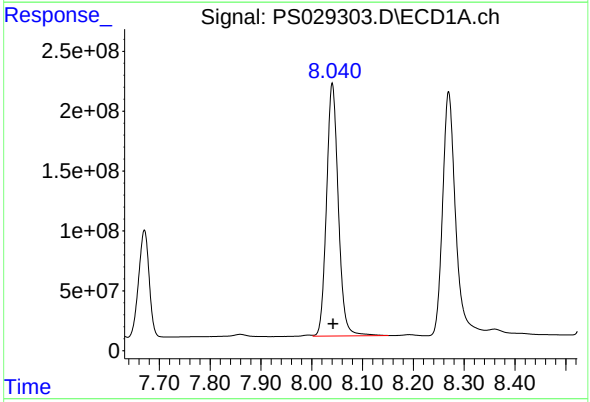
R.T.: 7.671 min
Delta R.T.: 0.000 min
Response: 1285713868
Conc: 75.87 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



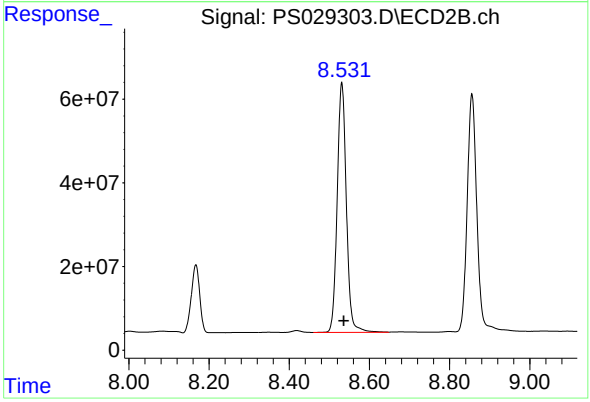
#7 MCPA

R.T.: 8.167 min
Delta R.T.: -0.005 min
Response: 236039621
Conc: 74.00 ug/ml



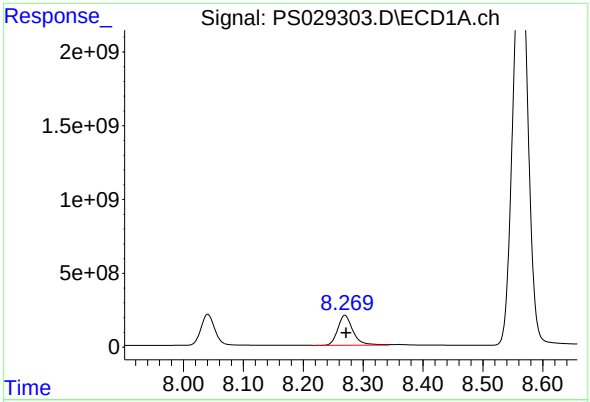
#8 DICHLORPROP

R.T.: 8.040 min
Delta R.T.: -0.001 min
Response: 3402827486
Conc: 740.31 ng/ml



#8 DICHLORPROP

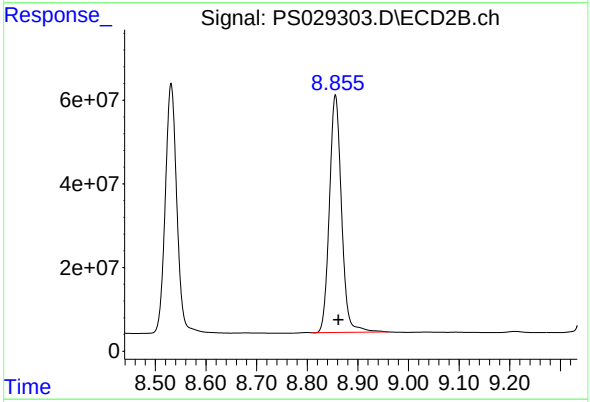
R.T.: 8.531 min
Delta R.T.: -0.005 min
Response: 947473333
Conc: 740.93 ng/ml



#9 2,4-D

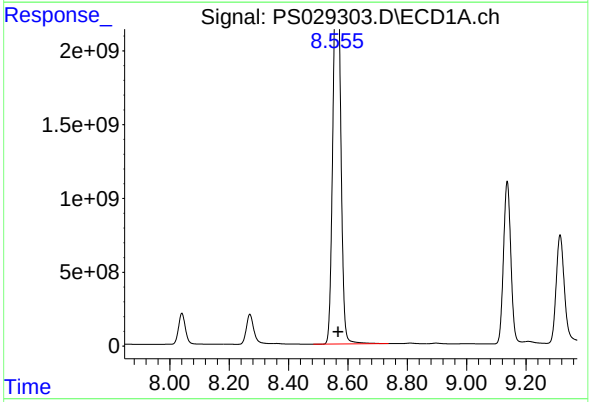
R.T.: 8.269 min
Delta R.T.: -0.002 min
Response: 3567413792
Conc: 750.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



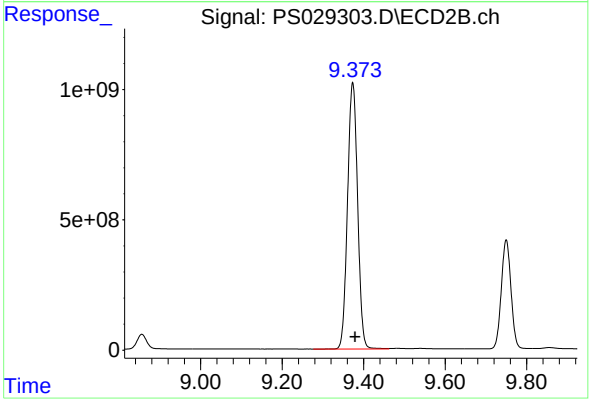
#9 2,4-D

R.T.: 8.856 min
Delta R.T.: -0.005 min
Response: 944784484
Conc: 743.99 ng/ml



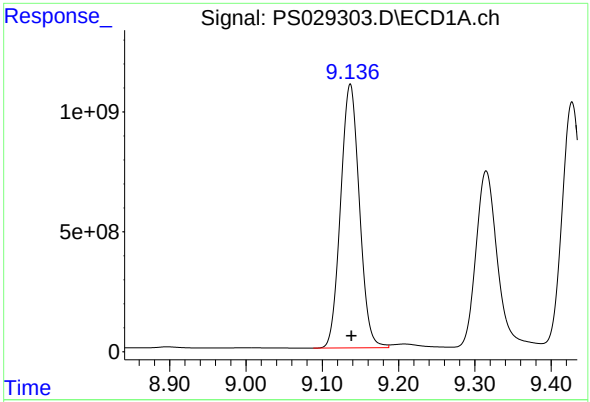
#10 Pentachlorophenol

R.T.: 8.567 min
Delta R.T.: 0.000 min
Response: 44610197167
Conc: 764.45 ng/ml



#10 Pentachlorophenol

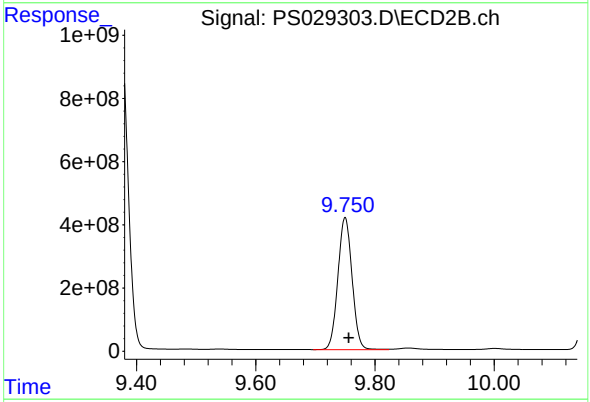
R.T.: 9.373 min
Delta R.T.: -0.006 min
Response: 17597098346
Conc: 764.67 ng/ml



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

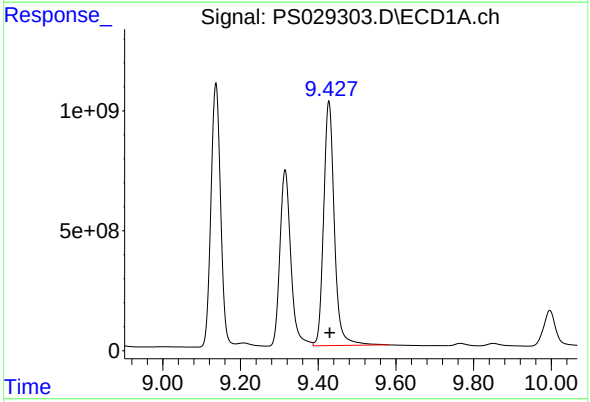
R.T.: 9.137 min
Delta R.T.: -0.002 min
Response: 18843612084
Conc: 766.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



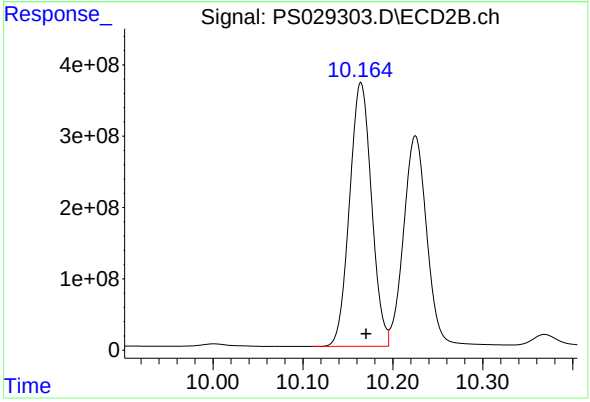
#11 2,4,5-TP (SILVEX)

R.T.: 9.750 min
Delta R.T.: -0.006 min
Response: 6911530143
Conc: 764.83 ng/ml



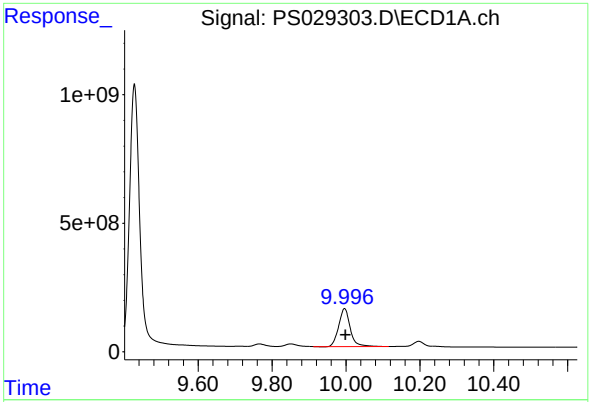
#12 2,4,5-T

R.T.: 9.427 min
Delta R.T.: -0.002 min
Response: 19511701928
Conc: 765.50 ng/ml



#12 2,4,5-T

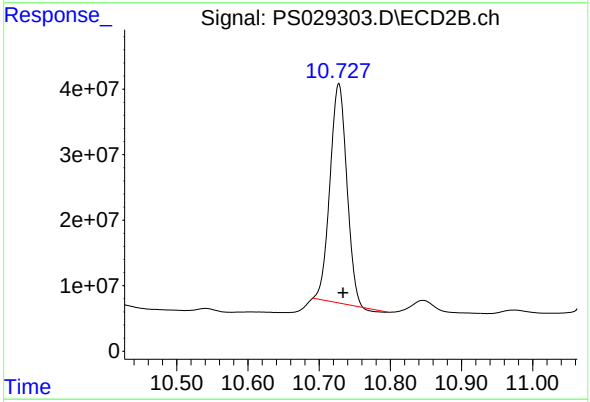
R.T.: 10.165 min
Delta R.T.: -0.006 min
Response: 6279815603
Conc: 764.87 ng/ml



#13 2,4-DB

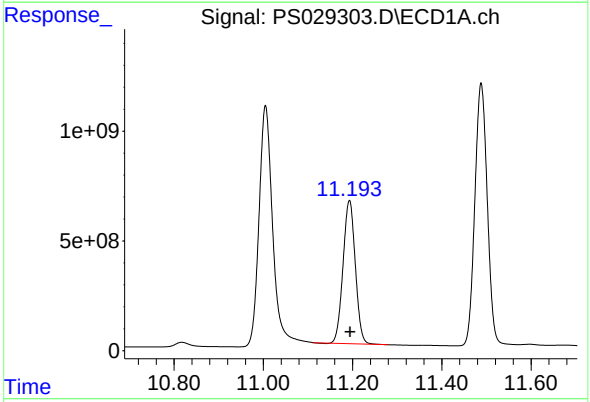
R.T.: 9.996 min
Delta R.T.: -0.002 min
Response: 3206911237
Conc: 768.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



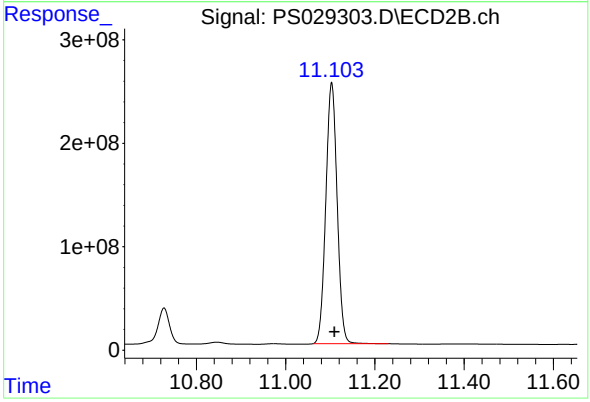
#13 2,4-DB

R.T.: 10.728 min
Delta R.T.: -0.006 min
Response: 547182210
Conc: 714.72 ng/ml



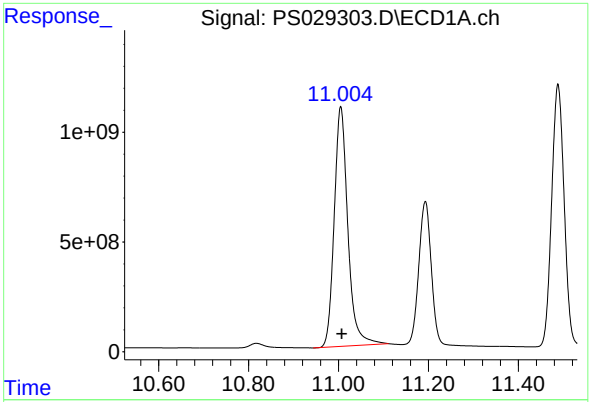
#14 DINOSEB

R.T.: 11.193 min
Delta R.T.: -0.001 min
Response: 12437444341
Conc: 747.85 ng/ml



#14 DINOSEB

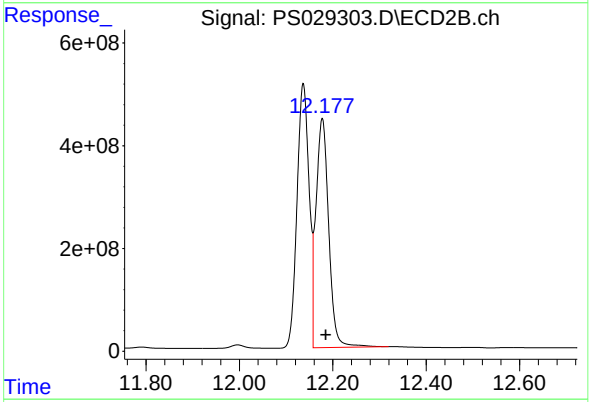
R.T.: 11.103 min
Delta R.T.: -0.006 min
Response: 4447537940
Conc: 733.73 ng/ml



#15 Picloram

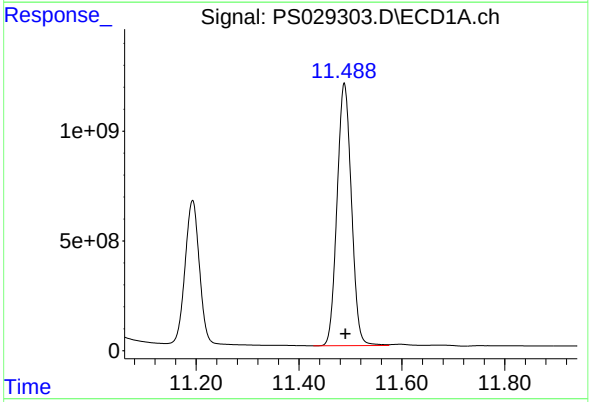
R.T.: 11.005 min
Delta R.T.: -0.002 min
Response: 22952488483
Conc: 751.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



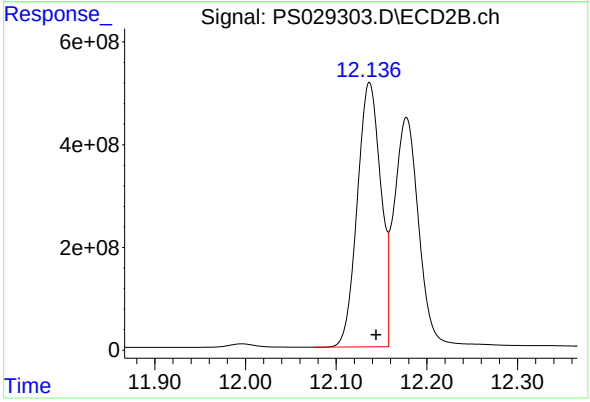
#15 Picloram

R.T.: 12.178 min
Delta R.T.: -0.008 min
Response: 8402886108
Conc: 726.74 ng/ml



#16 DCPA

R.T.: 11.488 min
Delta R.T.: -0.002 min
Response: 23129490951
Conc: 770.89 ng/ml



#16 DCPA

R.T.: 12.137 min
Delta R.T.: -0.007 min
Response: 9259455023
Conc: 782.28 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 21:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:07:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.158	7.626	3252.2E6	721.2E6	789.261	766.949
	Target Compounds						
1) T	Dalapon	2.598	2.644	3759.9E6	1404.0E6	681.103	663.188
2) T	3,5-DICHL...	6.340	6.599	4345.9E6	1012.5E6	742.750	714.951
3) T	4-Nitroph...	6.957	7.156	1692.0E6	554.2E6	723.026	694.935
5) T	DICAMBA	7.341	7.820	13126.2E6	3827.3E6	755.856	742.730
6) T	MCPP	7.522	7.927	943.9E6	174.5E6	76.582	74.600
7) T	MCPA	7.670	8.166	1275.6E6	234.9E6	75.275	73.632
8) T	DICHLORPROP	8.040	8.530	3371.8E6	931.6E6	733.575	728.533
9) T	2,4-D	8.269	8.855	3522.6E6	930.7E6	741.526	732.859
10) T	Pentachlo...	8.566	9.372	44882.3E6	17387.9E6	769.110	755.580
11) T	2,4,5-TP ...	9.136	9.749	18690.1E6	6826.9E6	760.163	755.460
12) T	2,4,5-T	9.427	10.163	19388.2E6	6198.7E6	760.656	754.989
13) T	2,4-DB	9.995	10.726	3161.4E6	533.0E6	757.140	696.201
14) T	DINOSEB	11.191	11.101	12261.1E6	4402.3E6	737.248	726.266
15) T	Picloram	11.004	12.176	23037.3E6	8662.9E6	754.245	749.226
16) T	DCPA	11.487	12.135	22950.9E6	9116.0E6	764.940	770.154

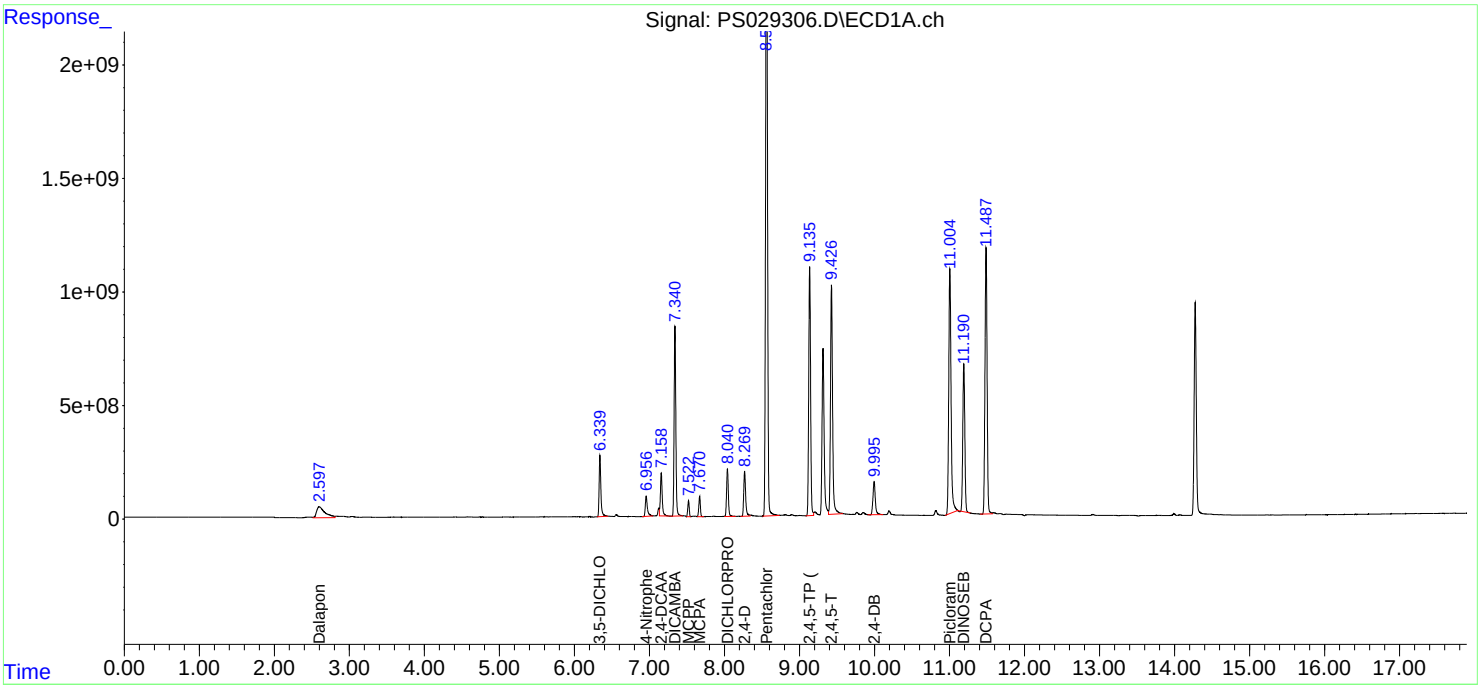
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

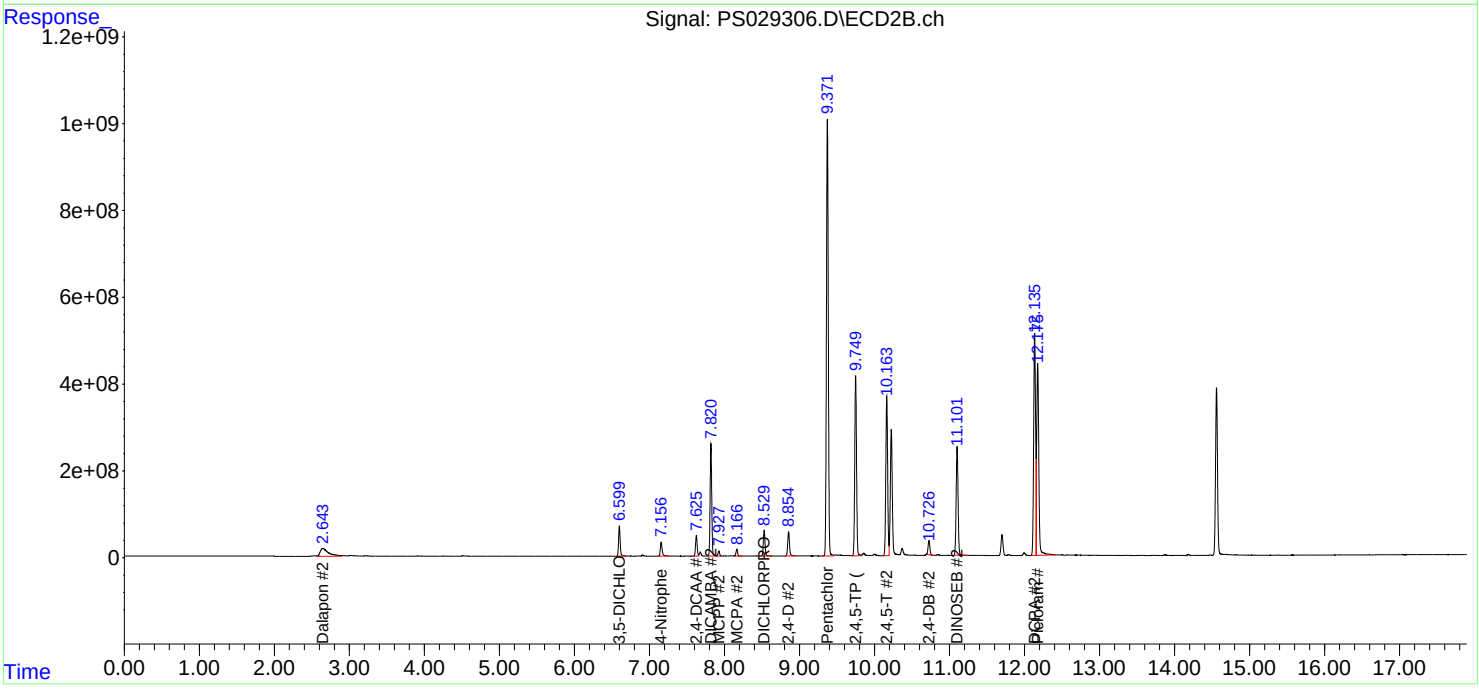
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS022625\
Data File : PS029306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Feb 2025 21:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

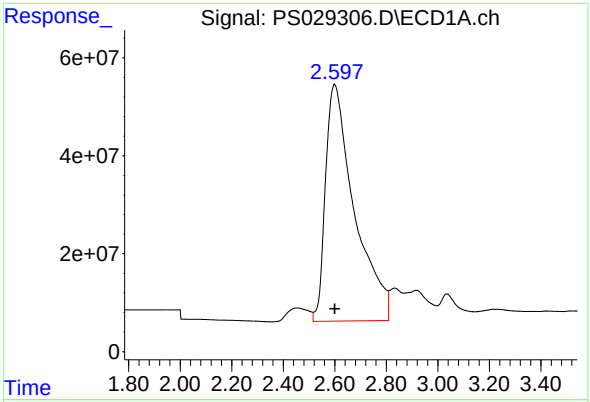
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 04:07:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



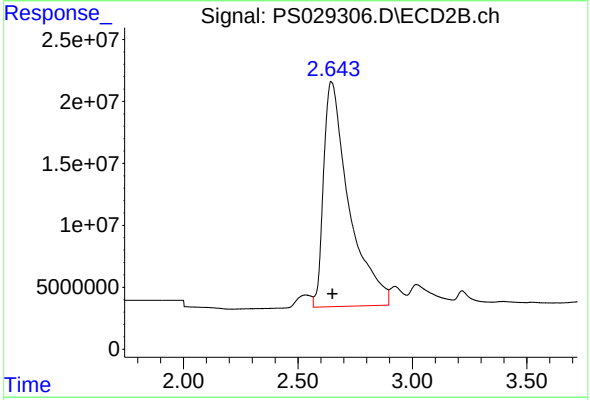




#1 Dalapon

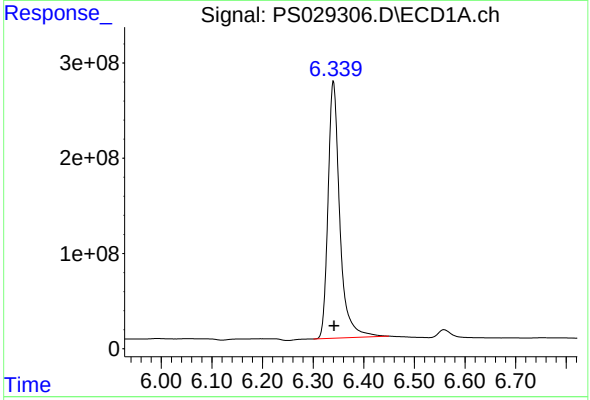
R.T.: 2.598 min
Delta R.T.: -0.002 min
Response: 3759885340
Conc: 681.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



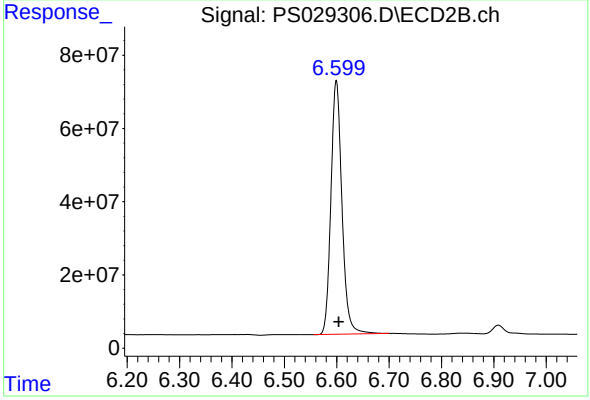
#1 Dalapon

R.T.: 2.644 min
Delta R.T.: -0.007 min
Response: 1404049629
Conc: 663.19 ng/ml



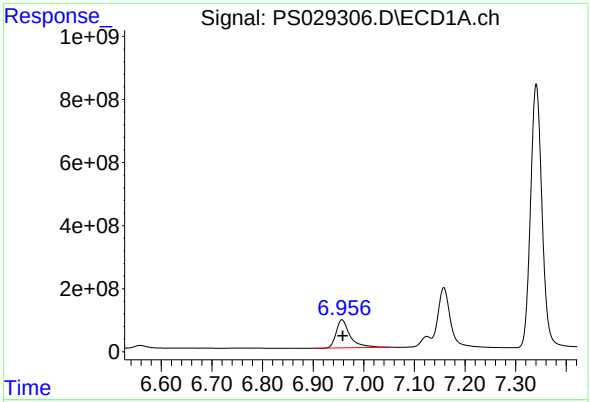
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.340 min
Delta R.T.: -0.002 min
Response: 4345917294
Conc: 742.75 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

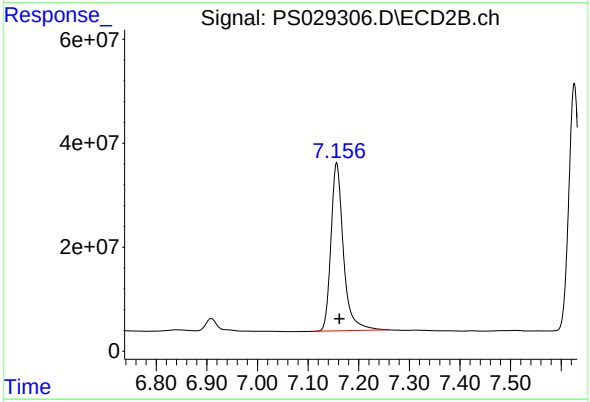
R.T.: 6.599 min
Delta R.T.: -0.005 min
Response: 1012452952
Conc: 714.95 ng/ml



#3 4-Nitrophenol

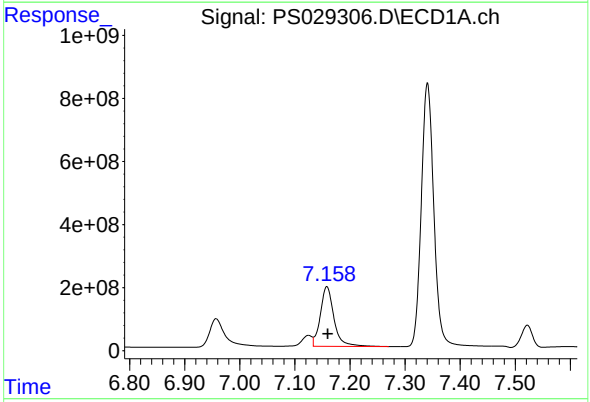
R.T.: 6.957 min
Delta R.T.: -0.002 min
Response: 1692015051
Conc: 723.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



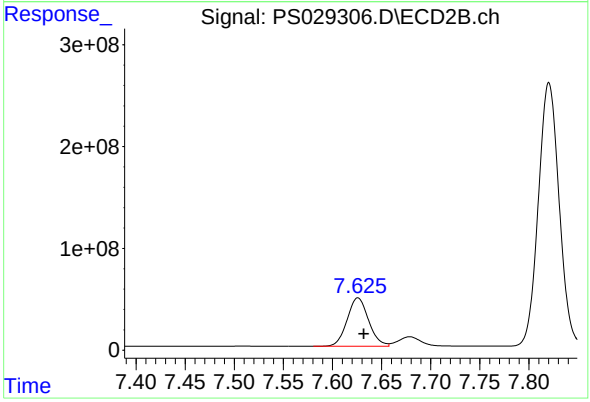
#3 4-Nitrophenol

R.T.: 7.156 min
Delta R.T.: -0.006 min
Response: 554244220
Conc: 694.94 ng/ml



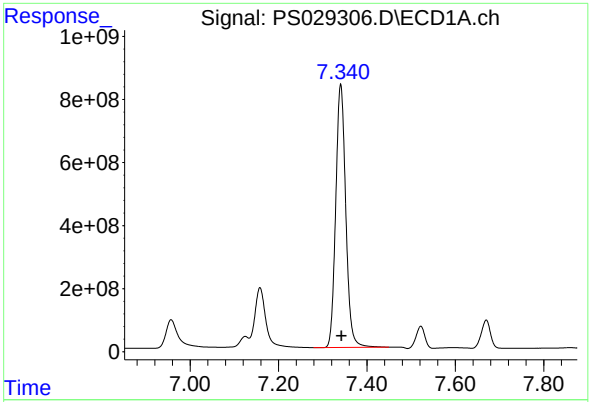
#4 2,4-DCAA

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 3252213044
Conc: 789.26 ng/ml



#4 2,4-DCAA

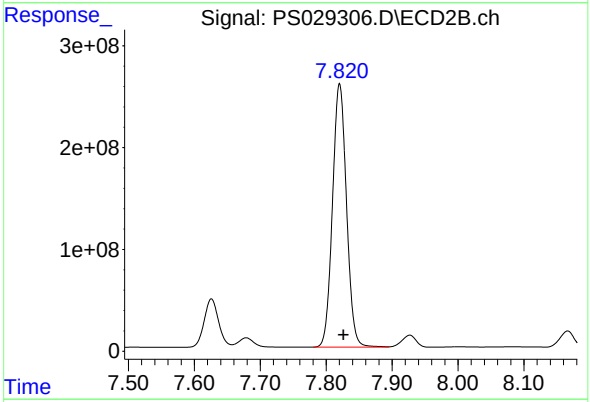
R.T.: 7.626 min
Delta R.T.: -0.006 min
Response: 721187024
Conc: 766.95 ng/ml



#5 DICAMBA

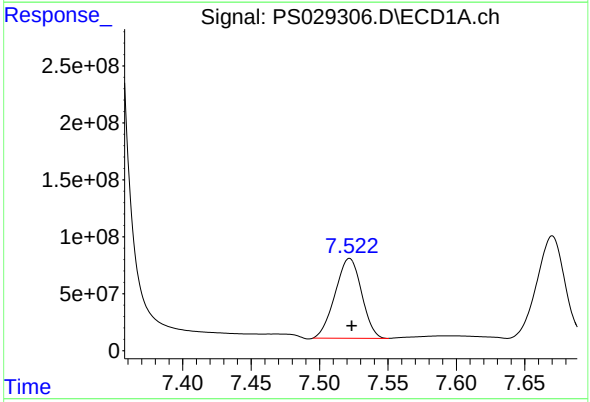
R.T.: 7.341 min
Delta R.T.: -0.002 min
Response: 13126154642
Conc: 755.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



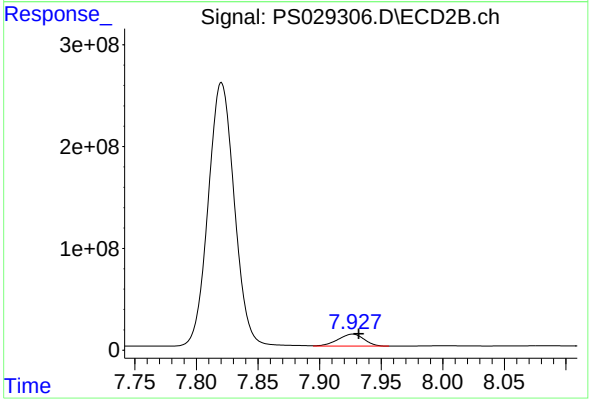
#5 DICAMBA

R.T.: 7.820 min
Delta R.T.: -0.006 min
Response: 3827266372
Conc: 742.73 ng/ml



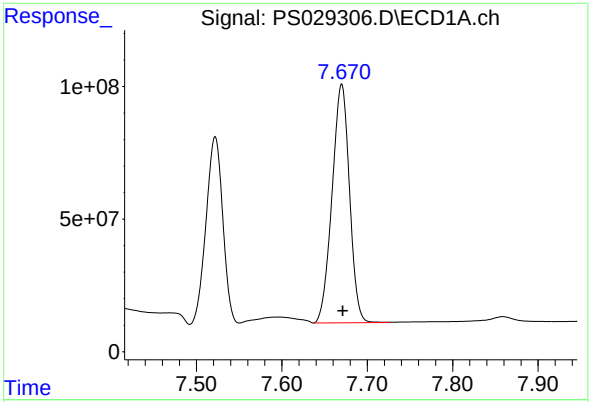
#6 MCPP

R.T.: 7.522 min
Delta R.T.: -0.002 min
Response: 943937795
Conc: 76.58 ug/ml



#6 MCPP

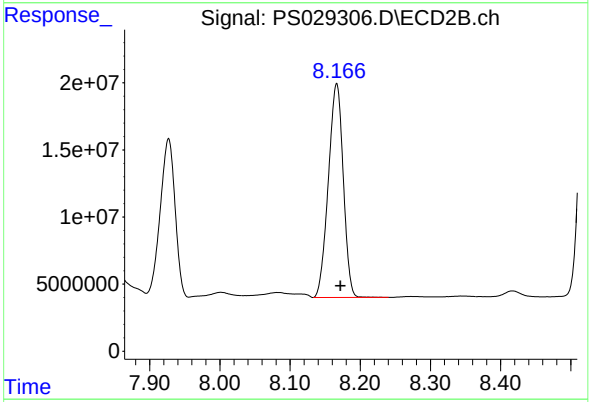
R.T.: 7.927 min
Delta R.T.: -0.005 min
Response: 174500446
Conc: 74.60 ug/ml



#7 MCPA

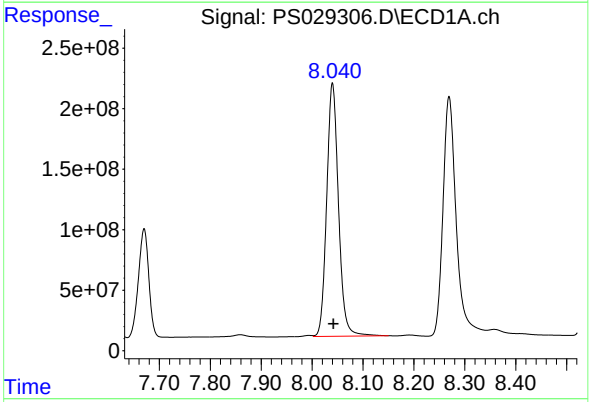
R.T.: 7.670 min
Delta R.T.: -0.001 min
Response: 1275559065
Conc: 75.27 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



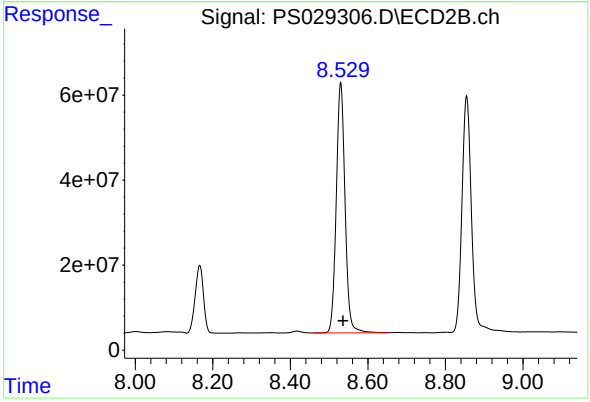
#7 MCPA

R.T.: 8.166 min
Delta R.T.: -0.005 min
Response: 234864179
Conc: 73.63 ug/ml



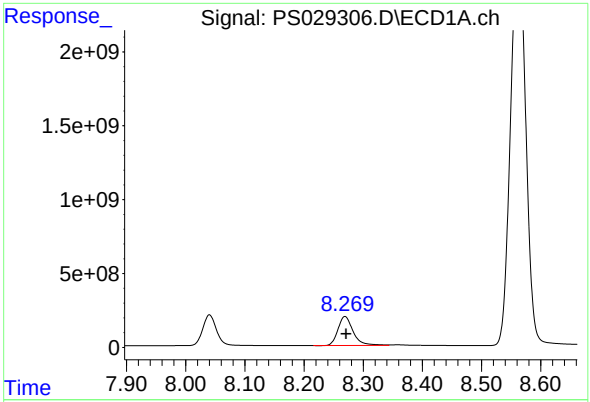
#8 DICHLORPROP

R.T.: 8.040 min
Delta R.T.: -0.002 min
Response: 3371848515
Conc: 733.57 ng/ml



#8 DICHLORPROP

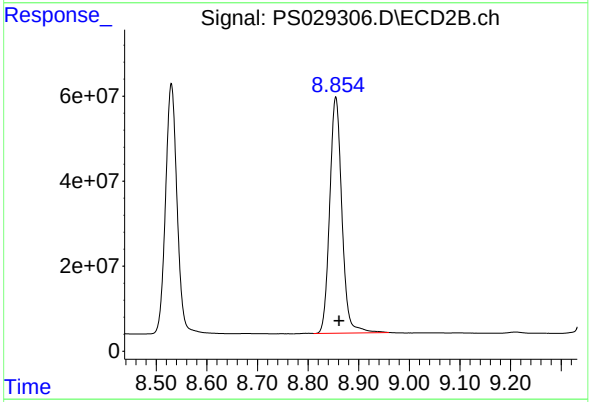
R.T.: 8.530 min
Delta R.T.: -0.006 min
Response: 931619178
Conc: 728.53 ng/ml



#9 2,4-D

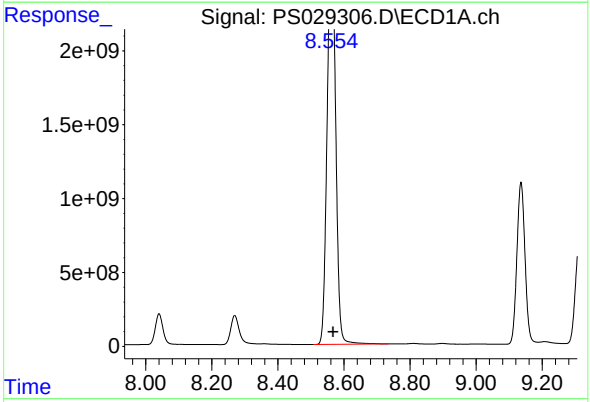
R.T.: 8.269 min
Delta R.T.: -0.002 min
Response: 3522566041
Conc: 741.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



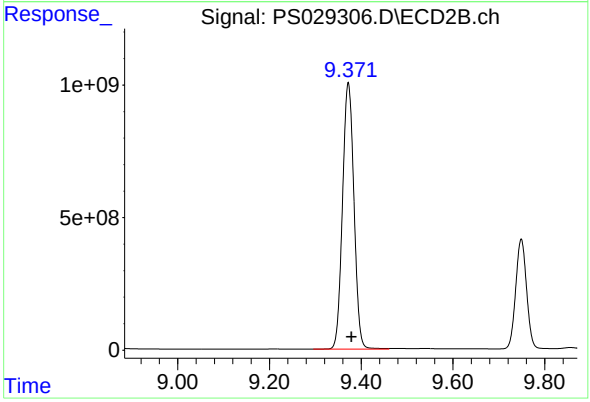
#9 2,4-D

R.T.: 8.855 min
Delta R.T.: -0.006 min
Response: 930654953
Conc: 732.86 ng/ml



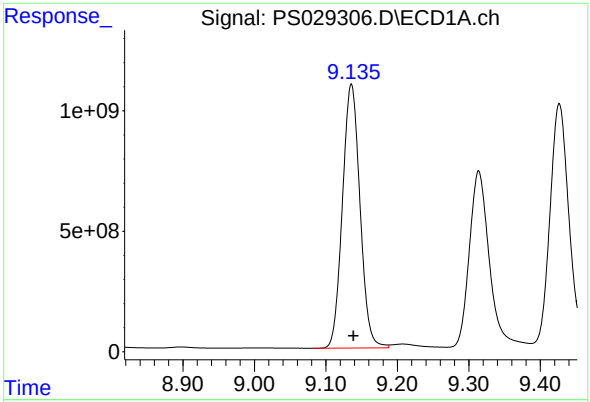
#10 Pentachlorophenol

R.T.: 8.566 min
Delta R.T.: 0.000 min
Response: 44882305103
Conc: 769.11 ng/ml



#10 Pentachlorophenol

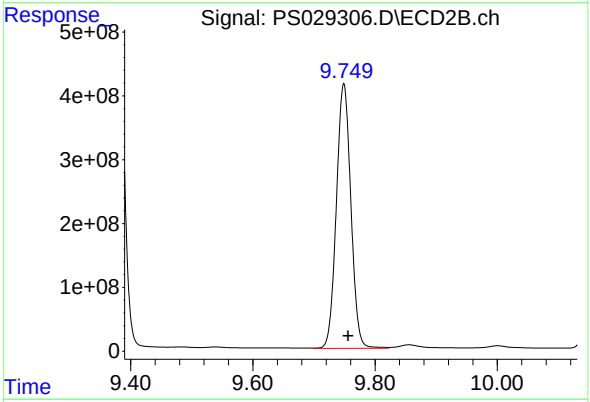
R.T.: 9.372 min
Delta R.T.: -0.007 min
Response: 17387918867
Conc: 755.58 ng/ml



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

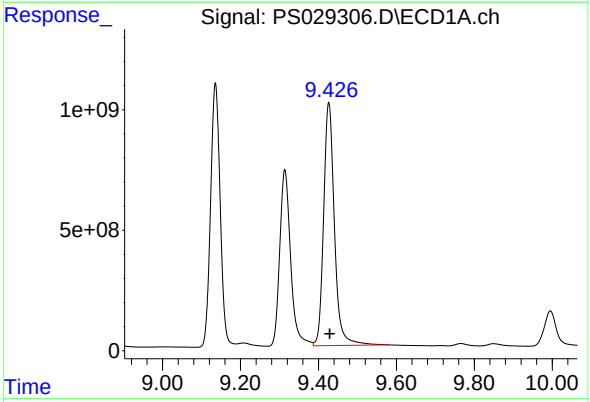
R.T.: 9.136 min
Delta R.T.: -0.003 min
Response: 18690073647
Conc: 760.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



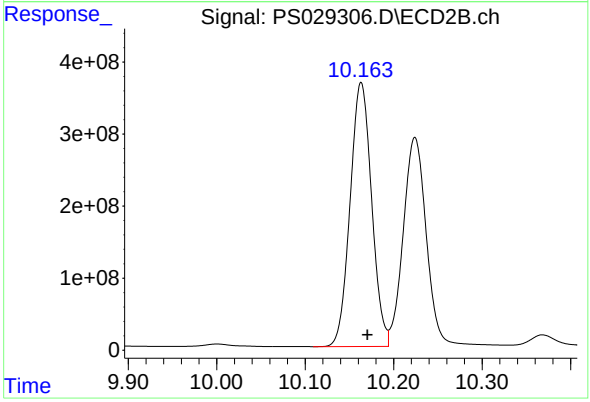
#11 2,4,5-TP (SILVEX)

R.T.: 9.749 min
Delta R.T.: -0.007 min
Response: 6826871156
Conc: 755.46 ng/ml



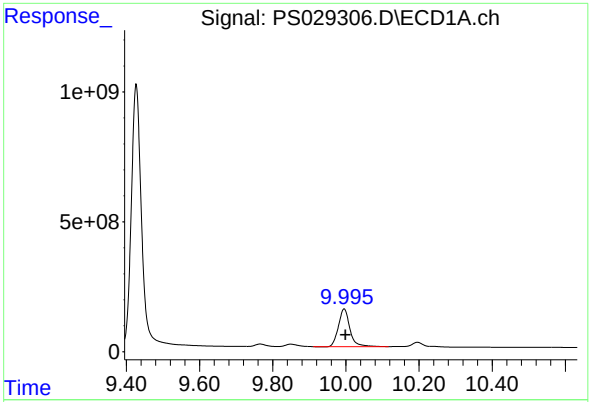
#12 2,4,5-T

R.T.: 9.427 min
Delta R.T.: -0.003 min
Response: 19388152440
Conc: 760.66 ng/ml



#12 2,4,5-T

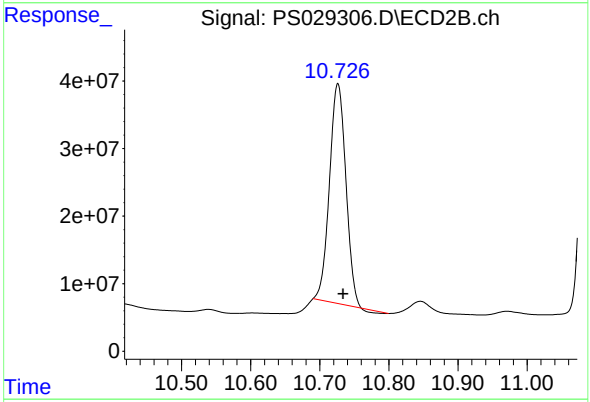
R.T.: 10.163 min
Delta R.T.: -0.007 min
Response: 6198676727
Conc: 754.99 ng/ml



#13 2,4-DB

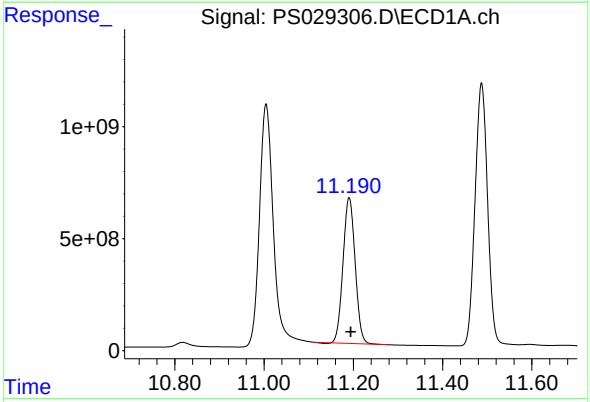
R.T.: 9.995 min
Delta R.T.: -0.003 min
Response: 3161384432
Conc: 757.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



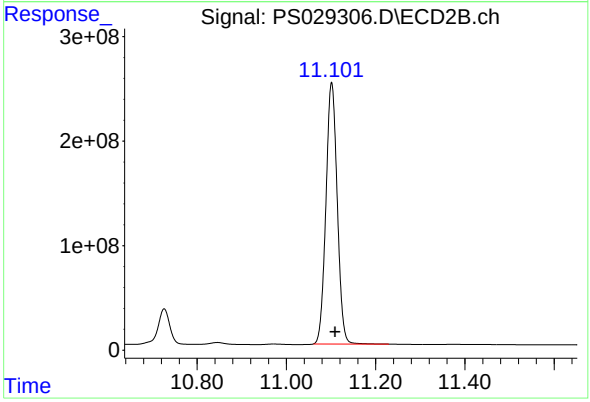
#13 2,4-DB

R.T.: 10.726 min
Delta R.T.: -0.007 min
Response: 533005804
Conc: 696.20 ng/ml



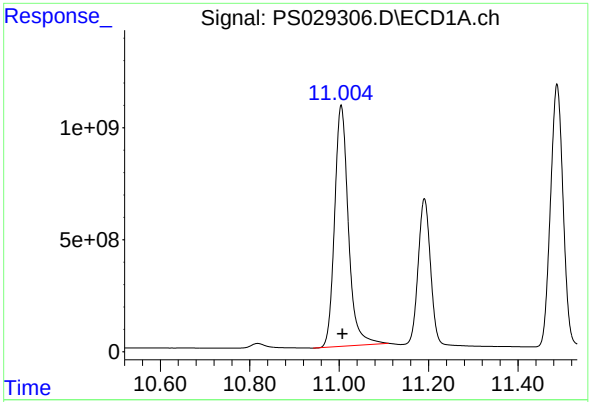
#14 DINOSEB

R.T.: 11.191 min
Delta R.T.: -0.004 min
Response: 12261050281
Conc: 737.25 ng/ml



#14 DINOSEB

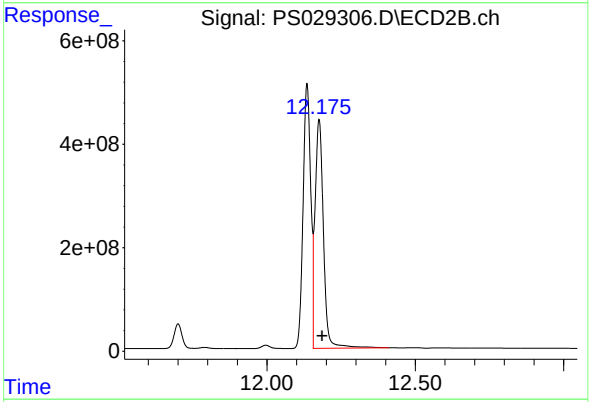
R.T.: 11.101 min
Delta R.T.: -0.008 min
Response: 4402281918
Conc: 726.27 ng/ml



#15 Picloram

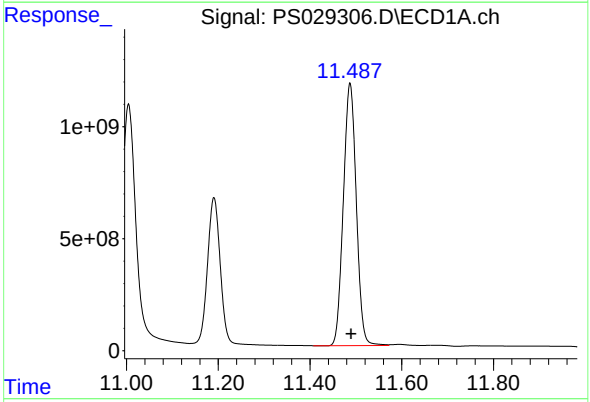
R.T.: 11.004 min
Delta R.T.: -0.002 min
Response: 23037282057
Conc: 754.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



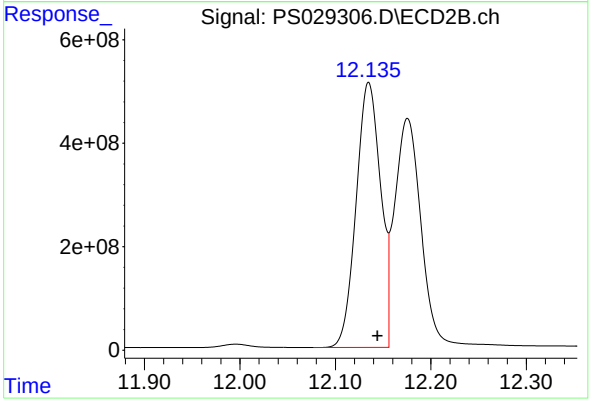
#15 Picloram

R.T.: 12.176 min
Delta R.T.: -0.009 min
Response: 8662880364
Conc: 749.23 ng/ml



#16 DCPA

R.T.: 11.487 min
Delta R.T.: -0.003 min
Response: 22950860795
Conc: 764.94 ng/ml



#16 DCPA

R.T.: 12.135 min
Delta R.T.: -0.009 min
Response: 9115966419
Conc: 770.15 ng/ml