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 : Q1883

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1883

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q1883-01	OU4-PCS-TC-27-042325
Q1883-02	OU4-PCS-TC-27-042325
Q1883-03	OU4-PCS-TC-28-042325
Q1883-04	OU4-PCS-TC-28-042325
Q1883-05	OU4-PCS-TC-29-042325
Q1883-06	OU4-PCS-TC-29-042325
Q1883-07	OU4-PCS-TC-30-042325
Q1883-08	OU4-PCS-TC-30-042325
Q1883-09	OU4-PCS-TC-31-042325
Q1883-10	OU4-PCS-TC-31-042325
Q1883-11	OU4-PCS-TC-32-042325
Q1883-12	OU4-PCS-TC-32-042325
Q1883-13	OU4-VSL-18-042325
Q1883-14	OU4-VSL-18-042325
Q1883-15	OU4-VSL-19-042325
Q1883-16	OU4-VSL-19-042325
Q1883-17	SO-TB-01-042325

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

Signature : _____

Date: 5/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Chemtech Project # Q1883
Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:
17 Solid samples were received on 04/25/2025.

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, VOCMS Group1 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 WC-5MS [2,4-DCAA(1) - 191%, 2,4-DCAA(2) - 303%], WC-5MSD [2,4-DCAA(1) - 194%, 2 and4-DCAA(2) - 308%]MS and MSD surrogate failure confirmed with parent sample.

The Retention Times were acceptable for all samples.

The MS {Q1906-05MS} with File ID: PS029999.D recoveries met the requirements for all compounds except for Dalapon[196%], Dinoseb[0%] Due to matrix interference..

The MSD {Q1906-05MSD} with File ID: PS030000.D recoveries met the acceptable requirements except for Dalapon[193%], Dinoseb[0%] Due to matrix interference.

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

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E. Additional Comments:

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

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

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

Signature_____

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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: Q1883 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 WC-5MS [2,4-DCAA(1) - 191%, 2,4-DCAA(2) - 303%], WC-5MSD [2,4-DCAA(1) - 194%, 2 and4-DCAA(2) - 308%]MS and MSD surrogate failure confirmed with parent sample.		✓	
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 {Q1906-05MS} with File ID: PS029999.D recoveries met the requirements for all compounds except for Dalapon[196%], Dinoseb[0%] Due to matrix interference.. The MSD {Q1906-05MSD} with File ID: PS030000.D recoveries met the acceptable requirements except for Dalapon[193%], Dinoseb[0%] Due to matrix interference. The Blank Spike met requirements for all samples . The RPD met criteria .		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1883

	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:** 05/07/2025

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LAB CHRONICLE

OrderID:	Q1883	**OrderDate:**	4/25/2025 10:10:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	L41,L51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1883-01	**OU4-PCS-TC-27-042325**	**SOIL**			**04/23/25**			**04/25/25**
			Herbicide Group1	8151A		04/30/25	05/01/25	
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-03	**OU4-PCS-TC-28-042325**	**SOIL**			**04/23/25**			**04/25/25**
			Herbicide Group1	8151A		04/30/25	05/01/25	
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-05	**OU4-PCS-TC-29-042325**	**SOIL**			**04/23/25**			**04/25/25**
			Herbicide Group1	8151A		04/30/25	05/01/25	
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-07	**OU4-PCS-TC-30-042325**	**SOIL**			**04/23/25**			**04/25/25**
			Herbicide Group1	8151A		04/30/25	05/01/25	
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-09	**OU4-PCS-TC-31-042325**	**SOIL**			**04/23/25**			**04/25/25**
			Herbicide Group1	8151A		04/30/25	05/01/25	
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-11	**OU4-PCS-TC-32-042325**	**SOIL**			**04/23/25**			**04/25/25**
			Herbicide Group1	8151A		04/30/25	05/01/25	

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LAB CHRONICLE

			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-13	**OU4-VSL-18-042325**	**SOIL**			**04/23/25**			**04/25/25**
			Herbicide Group1	8151A		04/30/25	05/01/25	
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-15	**OU4-VSL-19-042325**	**SOIL**			**04/23/25**			**04/25/25**
			Herbicide Group1	8151A		04/30/25	05/01/25	
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1883 **Order ID:** Q1883

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.: Q1883

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS029918.D	PIBLK-PS029918.D	2,4-DCAA	1	500	433	87		32	138
		2,4-DCAA	2	500	433	87		32	138
I.BLK-PS029990.D	PIBLK-PS029990.D	2,4-DCAA	1	500	525	105		32	138
		2,4-DCAA	2	500	558	112		32	138
Q1906-05MS	WC-5MS	2,4-DCAA	1	500	956	191	*	27	122
		2,4-DCAA	2	500	1520	303	*	27	122
Q1906-05MSD	WC-5MSD	2,4-DCAA	1	500	969	194	*	27	122
		2,4-DCAA	2	500	1540	308	*	27	122
I.BLK-PS030001.D	PIBLK-PS030001.D	2,4-DCAA	1	500	518	104		32	138
		2,4-DCAA	2	500	565	113		32	138
PB167796BL	PB167796BL	2,4-DCAA	1	500	433	87		27	122
		2,4-DCAA	2	500	413	83		27	122
I.BLK-PS030012.D	PIBLK-PS030012.D	2,4-DCAA	1	500	551	110		32	138
		2,4-DCAA	2	500	588	118		32	138
I.BLK-PS030015.D	PIBLK-PS030015.D	2,4-DCAA	1	500	534	107		32	138
		2,4-DCAA	2	500	567	113		32	138
Q1883-01	OU4-PCS-TC-27-042325	2,4-DCAA	1	500	412	82		27	122
		2,4-DCAA	2	500	400	80		27	122
Q1883-03	OU4-PCS-TC-28-042325	2,4-DCAA	1	500	338	68		27	122
		2,4-DCAA	2	500	337	67		27	122
Q1883-05	OU4-PCS-TC-29-042325	2,4-DCAA	1	500	138	28		27	122
		2,4-DCAA	2	500	135	27		27	122
Q1883-07	OU4-PCS-TC-30-042325	2,4-DCAA	1	500	371	74		27	122
		2,4-DCAA	2	500	350	70		27	122
Q1883-09	OU4-PCS-TC-31-042325	2,4-DCAA	1	500	390	78		27	122
		2,4-DCAA	2	500	380	76		27	122
Q1883-11	OU4-PCS-TC-32-042325	2,4-DCAA	1	500	327	65		27	122
		2,4-DCAA	2	500	318	64		27	122
Q1883-13	OU4-VSL-18-042325	2,4-DCAA	1	500	365	73		27	122
		2,4-DCAA	2	500	345	69		27	122
Q1883-15	OU4-VSL-19-042325	2,4-DCAA	1	500	401	80		27	122
		2,4-DCAA	2	500	409	82		27	122
I.BLK-PS030025.D	PIBLK-PS030025.D	2,4-DCAA	1	500	562	112		32	138
		2,4-DCAA	2	500	598	120		32	138
I.BLK-PS030028.D	PIBLK-PS030028.D	2,4-DCAA	1	500	530	106		32	138
		2,4-DCAA	2	500	553	111		32	138
PB167796BS	PB167796BS	2,4-DCAA	1	500	530	106		27	122
		2,4-DCAA	2	500	540	108		27	122
I.BLK-PS030040.D	PIBLK-PS030040.D	2,4-DCAA	1	500	529	106		32	138
		2,4-DCAA	2	500	552	110		32	138

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: 8151A **DataFile :** PS029999.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**WC-5MS**											
Q1906-05MS	DICAMBA	199.2	0	131	ug/Kg	66				38	132	
	Dalapon	199.2	0	391	ug/Kg	196	*			70	130	
	DICHLORPROP	199.2	0	135	ug/Kg	68				28	155	
	2,4-D	199.2	0	165	ug/Kg	83				28	144	
	2,4,5-TP(Silvex)	199.2	0	96.8	ug/Kg	49				43	129	
	2,4,5-T	199.2	0	111	ug/Kg	56				31	138	
	2,4-DB	199.2	0	81.8	ug/Kg	41				34	142	
	Dinoseb	199.2	0	0	ug/Kg	0	*			57	152	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: 8151A **DataFile :** PS030000.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**WC-5MSD**											
Q1906-05MSD	DICAMBA	199.3	0	133	ug/Kg	67		2		38	132	20
	Dalapon	199.3	0	384	ug/Kg	193	*	2		70	130	20
	DICHLORPROP	199.3	0	137	ug/Kg	69		1		28	155	20
	2,4-D	199.3	0	168	ug/Kg	84		1		28	144	20
	2,4,5-TP(Silvex)	199.3	0	100	ug/Kg	50		2		43	129	20
	2,4,5-T	199.3	0	113	ug/Kg	57		2		31	138	20
	2,4-DB	199.3	0	84.5	ug/Kg	42		2		34	142	20
	Dinoseb	199.3	0	0	ug/Kg	0	*	0		57	152	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: 8151A **Datafile :** PS030038.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167796BS	DICAMBA	166.6	172	ug/Kg	103				38	132	
	Dalapon	166.6	165	ug/Kg	99				70	130	
	DICHLORPROP	166.6	172	ug/Kg	103				28	155	
	2,4-D	166.6	170	ug/Kg	102				28	144	
	2,4,5-TP(Silvex)	166.6	175	ug/Kg	105				43	129	
	2,4,5-T	166.6	173	ug/Kg	104				31	138	
	2,4-DB	166.6	172	ug/Kg	103				34	142	
	Dinoseb	166.6	170	ug/Kg	102				57	152	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167796BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab Sample ID: PB167796BL Lab File ID: PS030011.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 04/30/2025

Date Analyzed (1): 05/01/2025 Date Analyzed (2): 05/01/2025

Time Analyzed (1): 11:24 Time Analyzed (2): 11:24

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
WC-5MS	Q1906-05MS	PS029999.D	05/01/2025	05/01/2025
WC-5MSD	Q1906-05MSD	PS030000.D	05/01/2025	05/01/2025
OU4-PCS-TC-27-042325	Q1883-01	PS030017.D	05/01/2025	05/01/2025
OU4-PCS-TC-28-042325	Q1883-03	PS030018.D	05/01/2025	05/01/2025
OU4-PCS-TC-29-042325	Q1883-05	PS030019.D	05/01/2025	05/01/2025
OU4-PCS-TC-30-042325	Q1883-07	PS030020.D	05/01/2025	05/01/2025
OU4-PCS-TC-31-042325	Q1883-09	PS030021.D	05/01/2025	05/01/2025
OU4-PCS-TC-32-042325	Q1883-11	PS030022.D	05/01/2025	05/01/2025
OU4-VSL-18-042325	Q1883-13	PS030023.D	05/01/2025	05/01/2025
OU4-VSL-19-042325	Q1883-15	PS030024.D	05/01/2025	05/01/2025
PB167796BS	PB167796BS	PS030038.D	05/05/2025	05/05/2025

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-27-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-01	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	94.5 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030017.D	1	04/30/25 08:50	05/01/25 13:51	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.035	U	0.0082	0.035	0.071	mg/Kg
75-99-0	DALAPON	0.053	U	0.019	0.053	0.071	mg/Kg
120-36-5	DICHLORPROP	0.035	U	0.014	0.035	0.071	mg/Kg
94-75-7	2,4-D	0.035	U	0.0096	0.035	0.071	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.035	U	0.0096	0.035	0.071	mg/Kg
93-76-5	2,4,5-T	0.035	U	0.0092	0.035	0.071	mg/Kg
94-82-6	2,4-DB	0.035	U	0.026	0.035	0.071	mg/Kg
88-85-7	DINOSEB	0.035	U	0.011	0.035	0.071	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	412		27 - 122		82%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:51
Operator : AR\AJ
Sample : Q1883-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.937	7.461	1013.4E6	281.8E6	411.762m	399.933m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:51
Operator : AR\AJ
Sample : Q1883-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

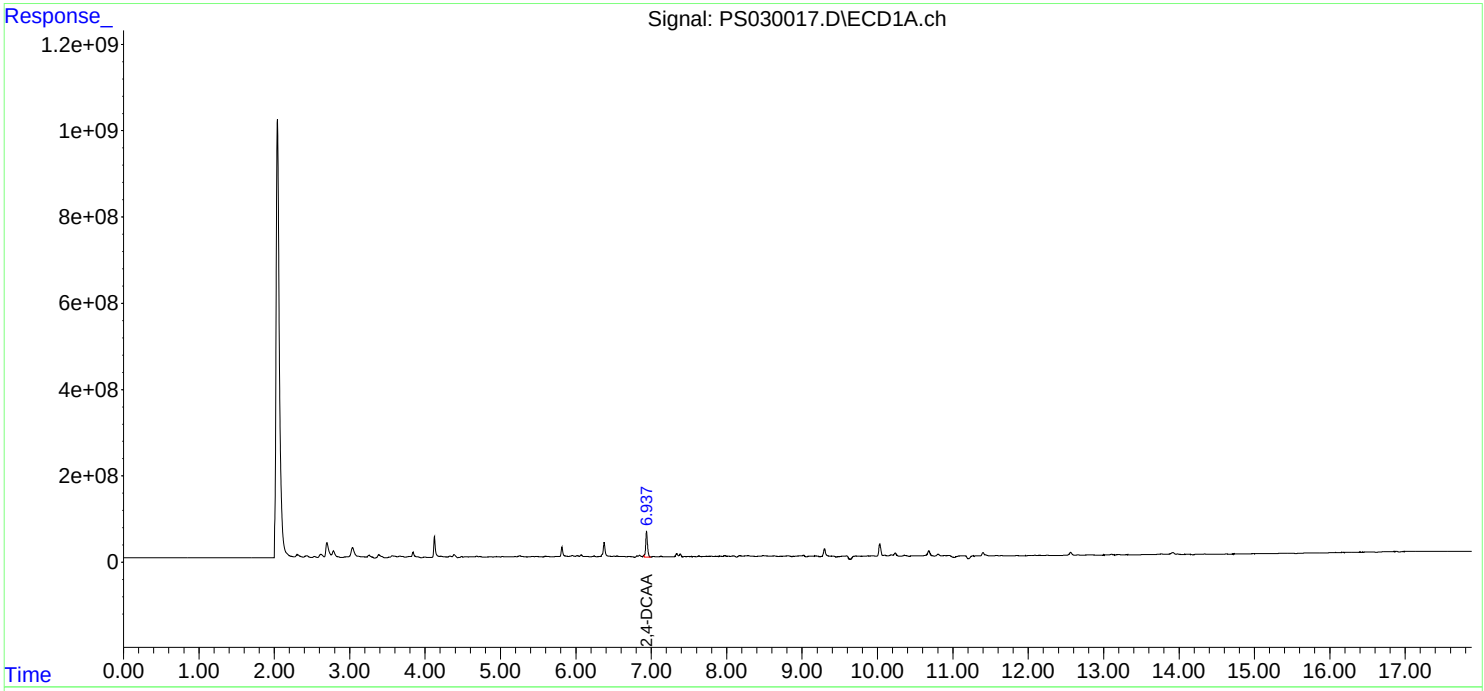
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325

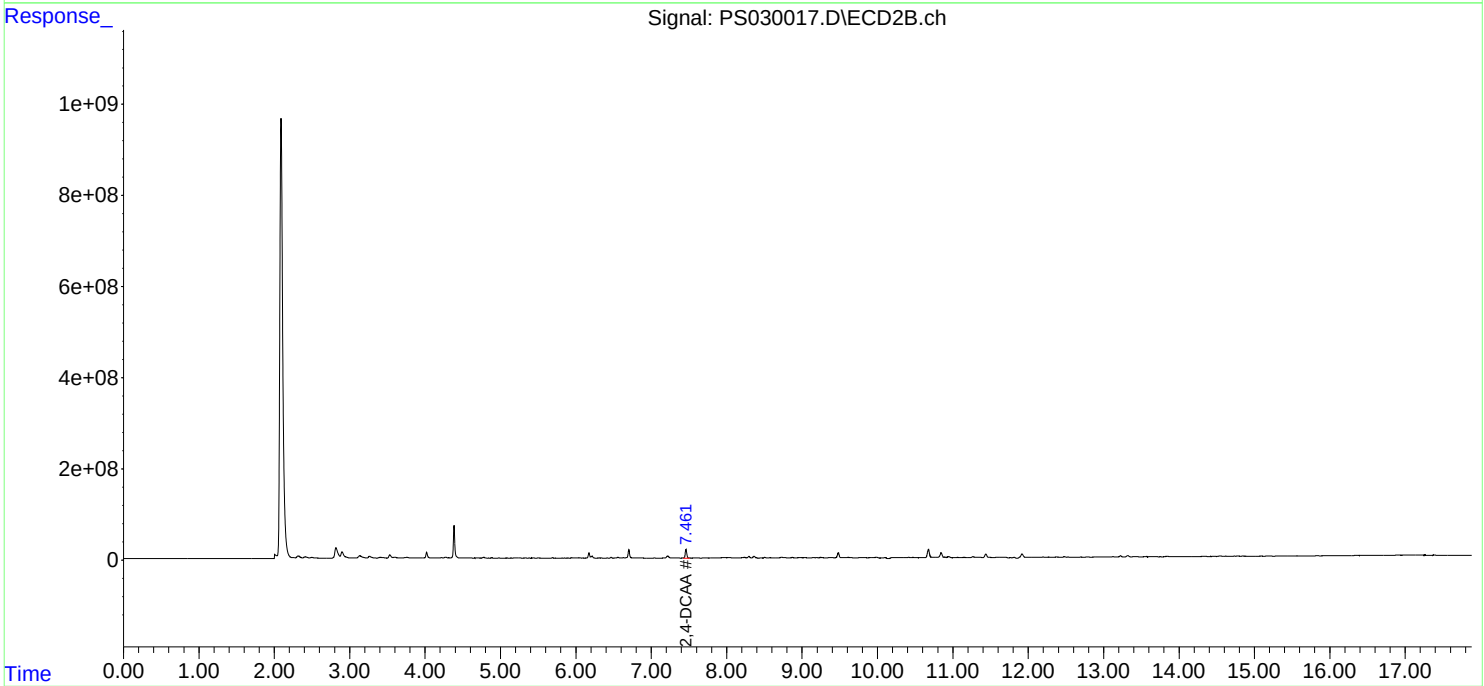
Manual Integrations APPROVED

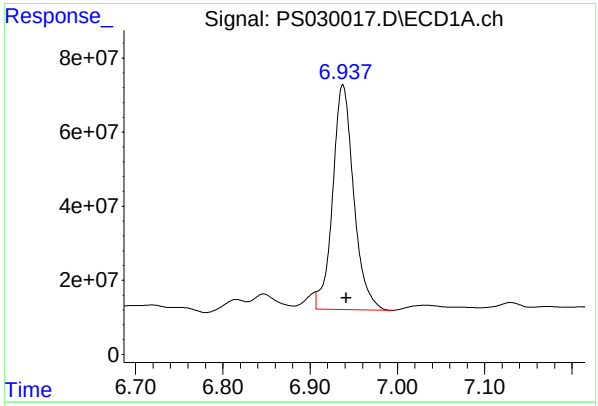
Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







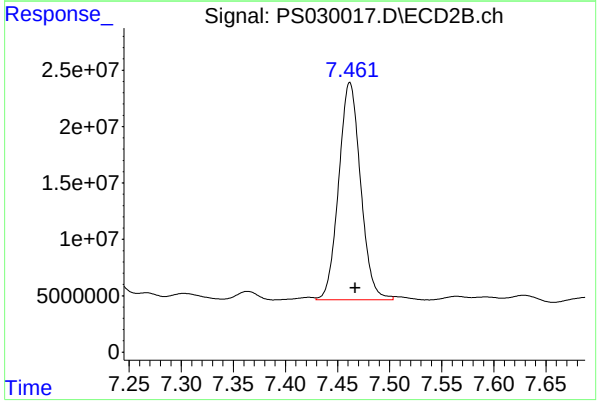
#4 2,4-DCAA

R.T.: 6.937 min
Delta R.T.: -0.004 mi
Response: 1013379759
Conc: 411.76 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 281759390
Conc: 399.93 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:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-28-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-03	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	94.5 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
PS030018.D	1	04/30/25 08:50	05/01/25 14:15	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.035	U	0.0082	0.035	0.071	mg/Kg
75-99-0	DALAPON	0.053	U	0.019	0.053	0.071	mg/Kg
120-36-5	DICHLORPROP	0.035	U	0.014	0.035	0.071	mg/Kg
94-75-7	2,4-D	0.035	U	0.0095	0.035	0.071	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.035	U	0.0096	0.035	0.071	mg/Kg
93-76-5	2,4,5-T	0.035	U	0.0092	0.035	0.071	mg/Kg
94-82-6	2,4-DB	0.035	U	0.026	0.035	0.071	mg/Kg
88-85-7	DINOSEB	0.035	U	0.011	0.035	0.071	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	338		27 - 122		68%	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\PS050125\
Data File : PS030018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:15
Operator : AR\AJ
Sample : Q1883-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.937	7.461	831.9E6	237.4E6	338.028m	337.021m
	Target Compounds						

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

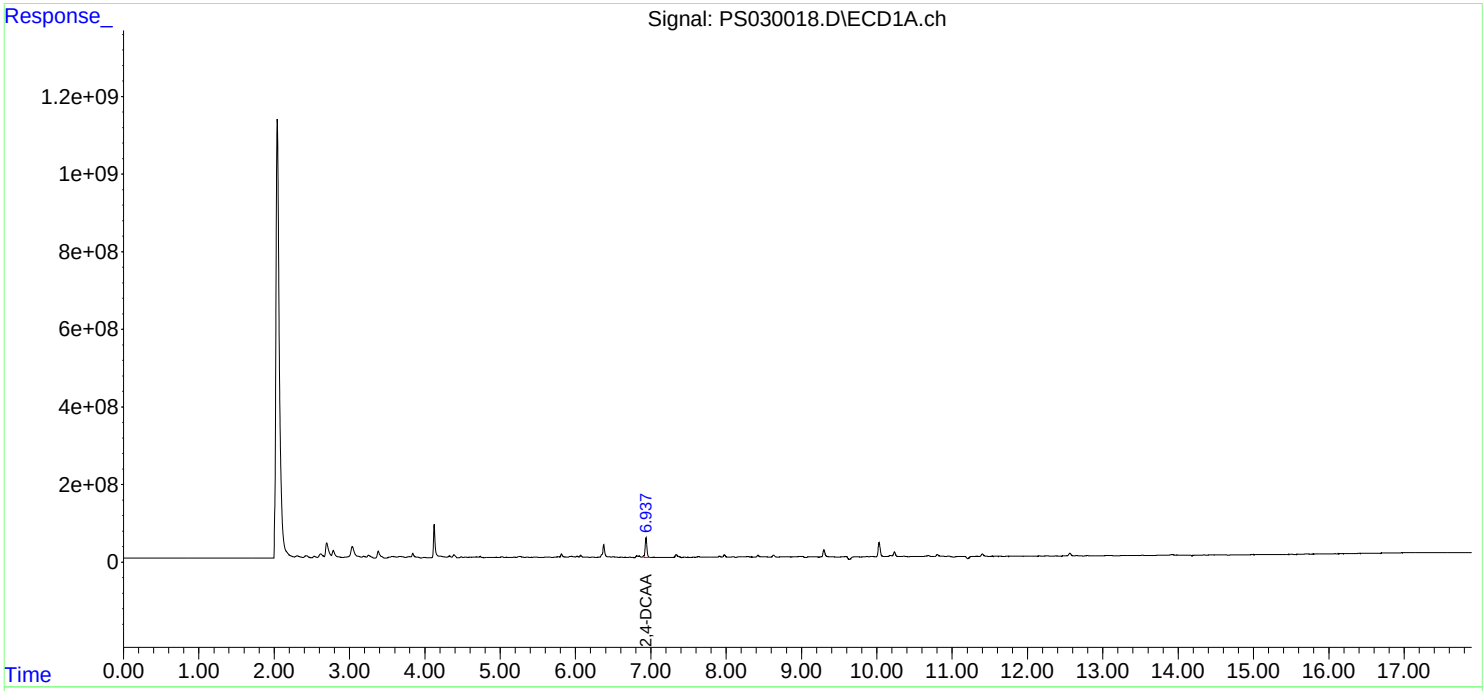
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:15
Operator : AR\AJ
Sample : Q1883-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

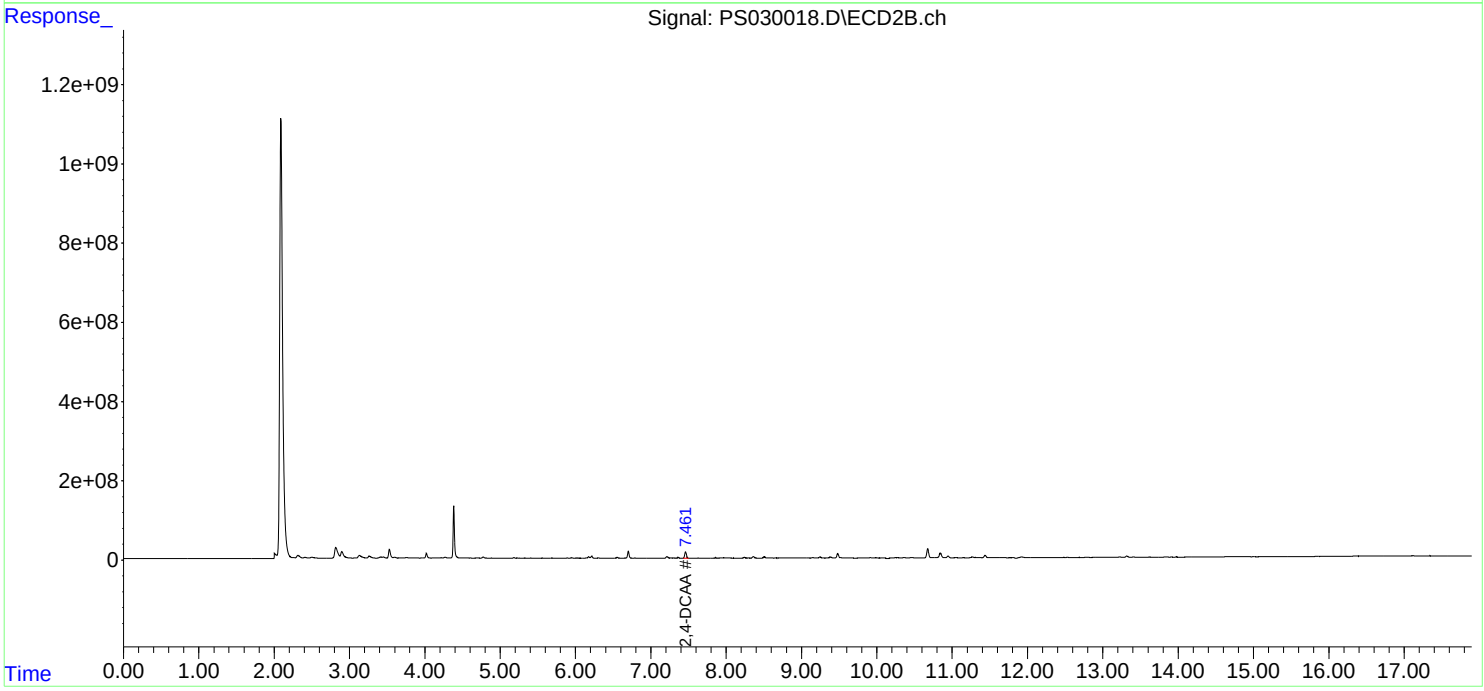
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325

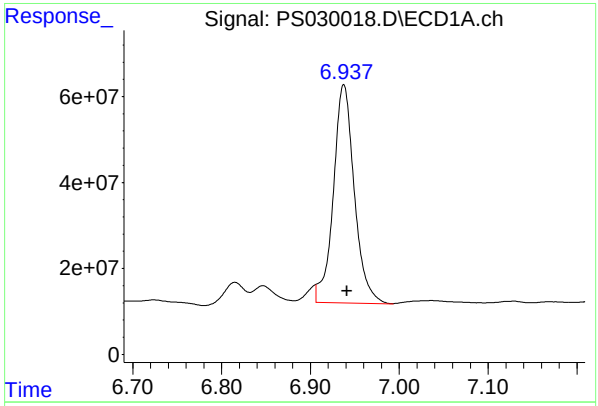
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







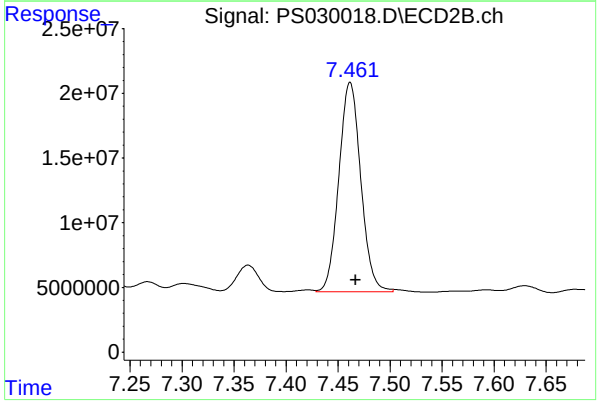
#4 2,4-DCAA

R.T.: 6.937 min
Delta R.T.: -0.004 mi
Response: 831913853
Conc: 338.03 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 237436771
Conc: 337.02 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:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-29-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-05	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	95.7 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
PS030019.D	1	04/30/25 08:50	05/01/25 14:39	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.034	U	0.0081	0.034	0.070	mg/Kg
75-99-0	DALAPON	0.052	U	0.018	0.052	0.070	mg/Kg
120-36-5	DICHLORPROP	0.034	U	0.013	0.034	0.070	mg/Kg
94-75-7	2,4-D	0.034	U	0.0094	0.034	0.070	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.034	U	0.0095	0.034	0.070	mg/Kg
93-76-5	2,4,5-T	0.034	U	0.0091	0.034	0.070	mg/Kg
94-82-6	2,4-DB	0.034	U	0.025	0.034	0.070	mg/Kg
88-85-7	DINOSEB	0.034	U	0.011	0.034	0.070	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	138		27 - 122		28%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:39
Operator : AR\AJ
Sample : Q1883-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-29-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.461	340.5E6	95257086	138.335	135.209
	Target Compounds						

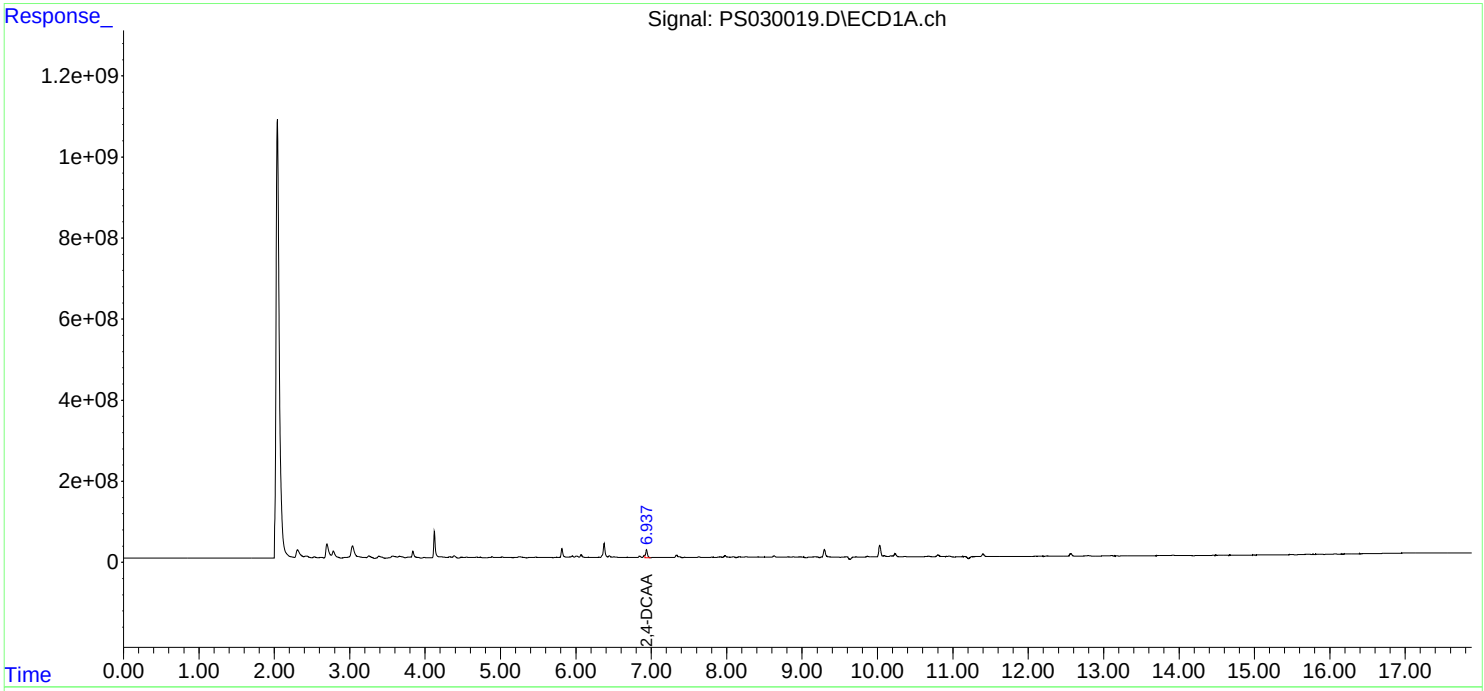
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

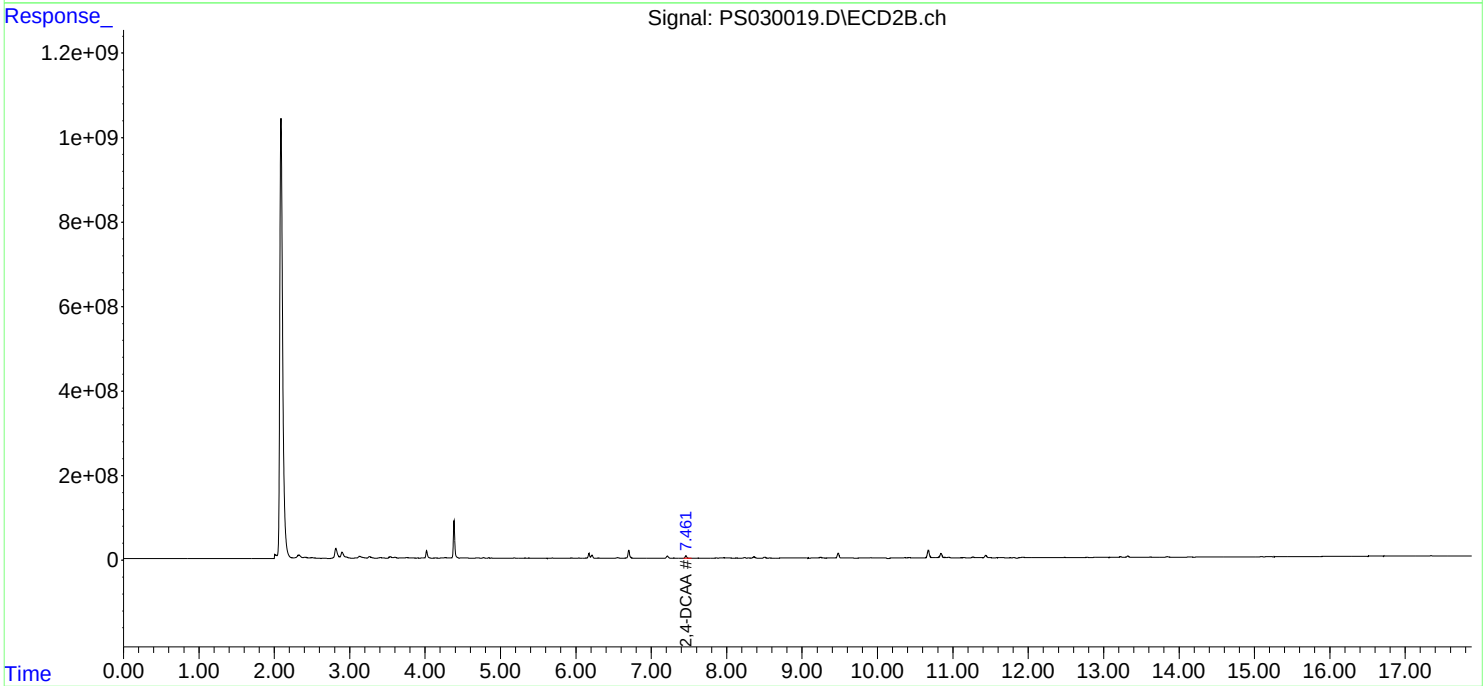
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:39
Operator : AR\AJ
Sample : Q1883-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

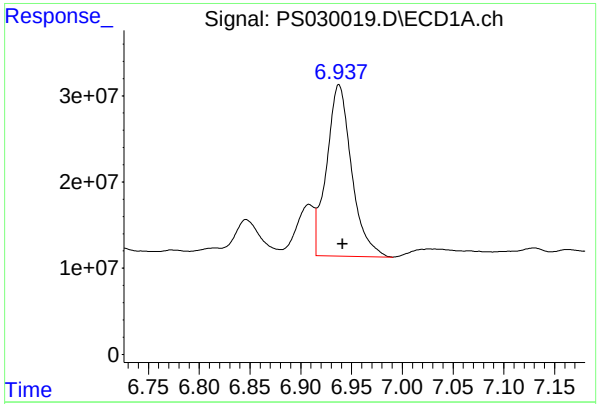
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-29-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



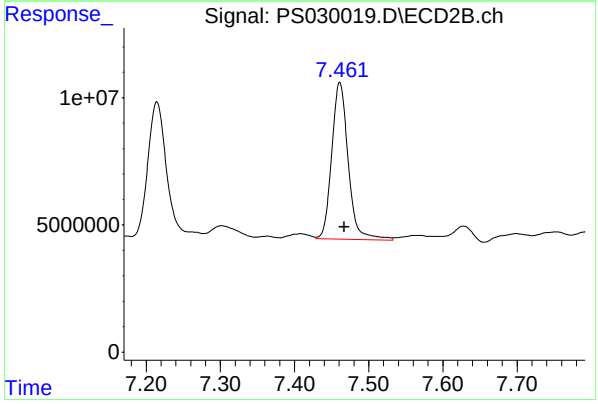




#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 340454069
Conc: 138.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-29-042325



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 95257086
Conc: 135.21 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:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-30-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-07	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	96.5 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
PS030020.D	1	04/30/25 08:50	05/01/25 15:04	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.034	U	0.0080	0.034	0.069	mg/Kg
75-99-0	DALAPON	0.052	U	0.018	0.052	0.069	mg/Kg
120-36-5	DICHLORPROP	0.034	U	0.013	0.034	0.069	mg/Kg
94-75-7	2,4-D	0.034	U	0.0094	0.034	0.069	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.034	U	0.0094	0.034	0.069	mg/Kg
93-76-5	2,4,5-T	0.034	U	0.0090	0.034	0.069	mg/Kg
94-82-6	2,4-DB	0.034	U	0.025	0.034	0.069	mg/Kg
88-85-7	DINOSEB	0.034	U	0.011	0.034	0.069	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	371		27 - 122		74%	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\PS050125\
Data File : PS030020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:04
Operator : AR\AJ
Sample : Q1883-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.937	7.461	912.0E6	246.3E6	370.553m	349.662m
	Target Compounds						

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

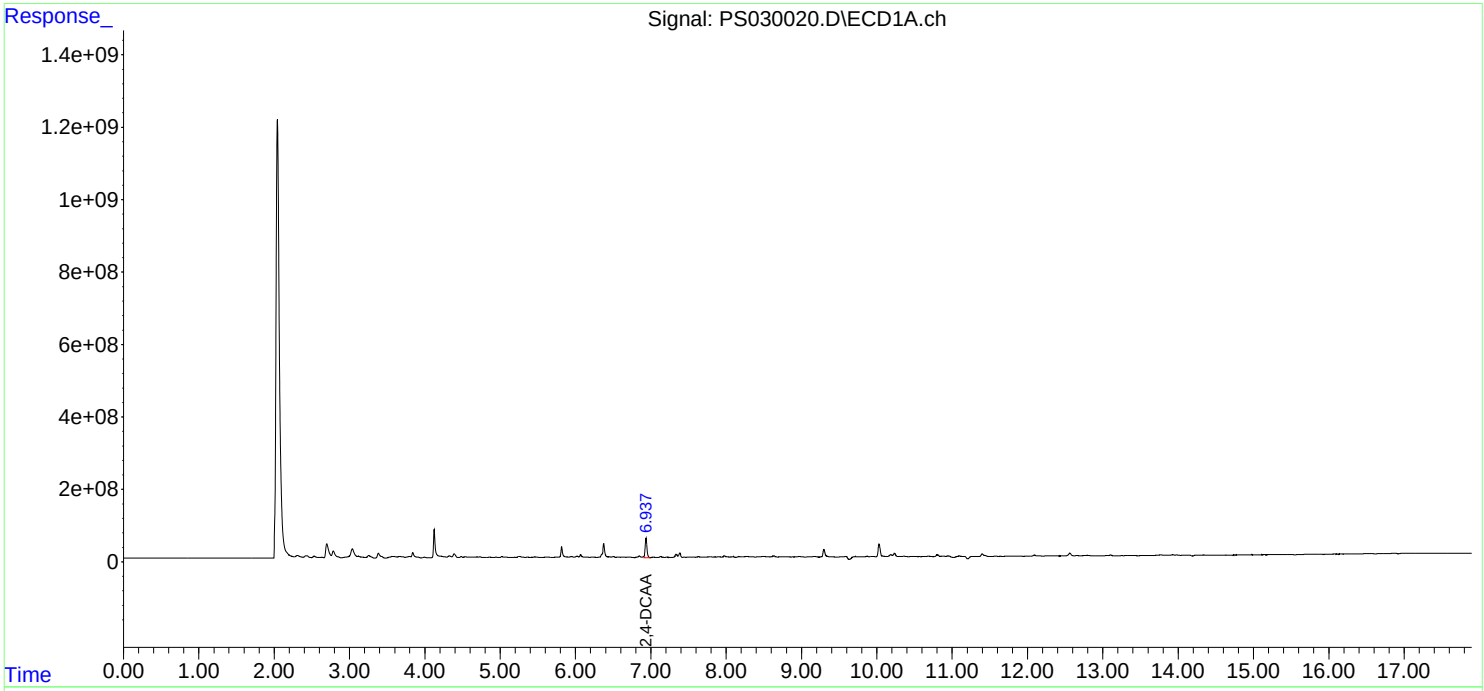
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:04
Operator : AR\AJ
Sample : Q1883-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

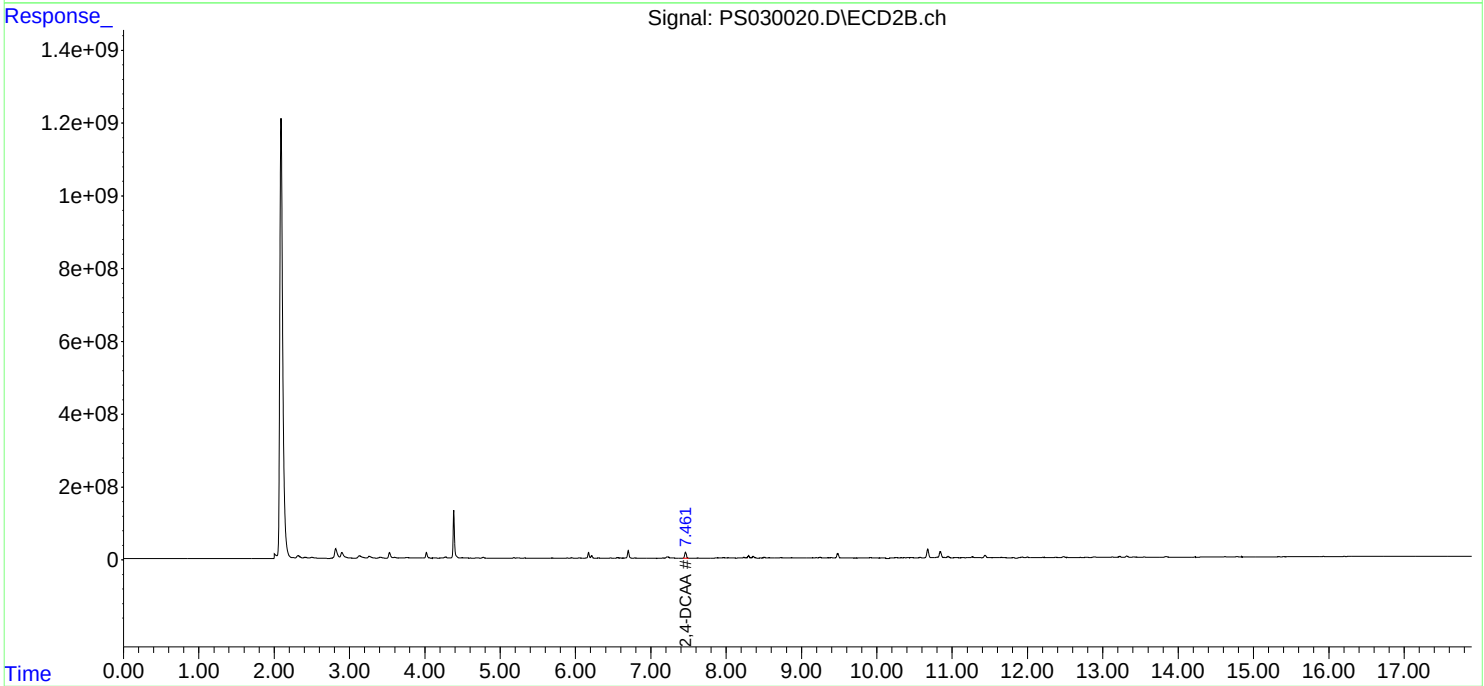
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325

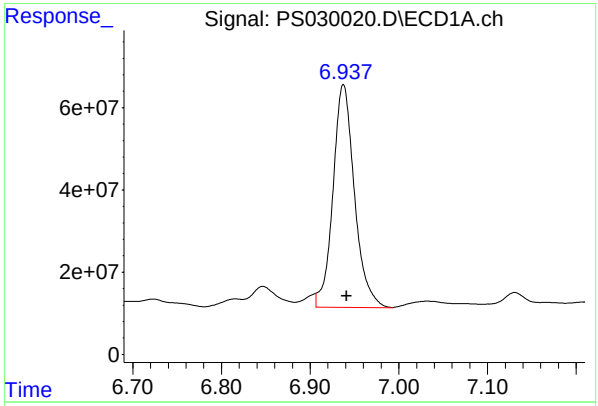
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







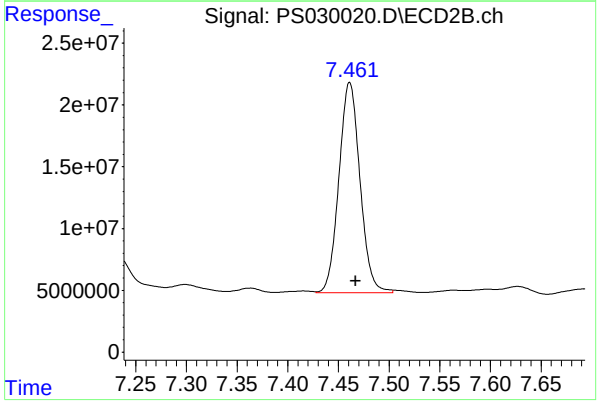
#4 2,4-DCAA

R.T.: 6.937 min
Delta R.T.: -0.004 mi
Response: 911959187
Conc: 370.55 ng/m

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 246342602
Conc: 349.66 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:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-31-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-09	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	96.9 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
PS030021.D	1	04/30/25 08:50	05/01/25 15:28	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.034	U	0.0080	0.034	0.069	mg/Kg
75-99-0	DALAPON	0.052	U	0.018	0.052	0.069	mg/Kg
120-36-5	DICHLORPROP	0.034	U	0.013	0.034	0.069	mg/Kg
94-75-7	2,4-D	0.034	U	0.0093	0.034	0.069	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.034	U	0.0093	0.034	0.069	mg/Kg
93-76-5	2,4,5-T	0.034	U	0.0090	0.034	0.069	mg/Kg
94-82-6	2,4-DB	0.034	U	0.025	0.034	0.069	mg/Kg
88-85-7	DINOSEB	0.034	U	0.011	0.034	0.069	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	390		27 - 122		78%	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\PS050125\
Data File : PS030021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:28
Operator : AR\AJ
Sample : Q1883-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.937	7.461	960.5E6	267.8E6	390.265m	380.058
	Target Compounds						

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

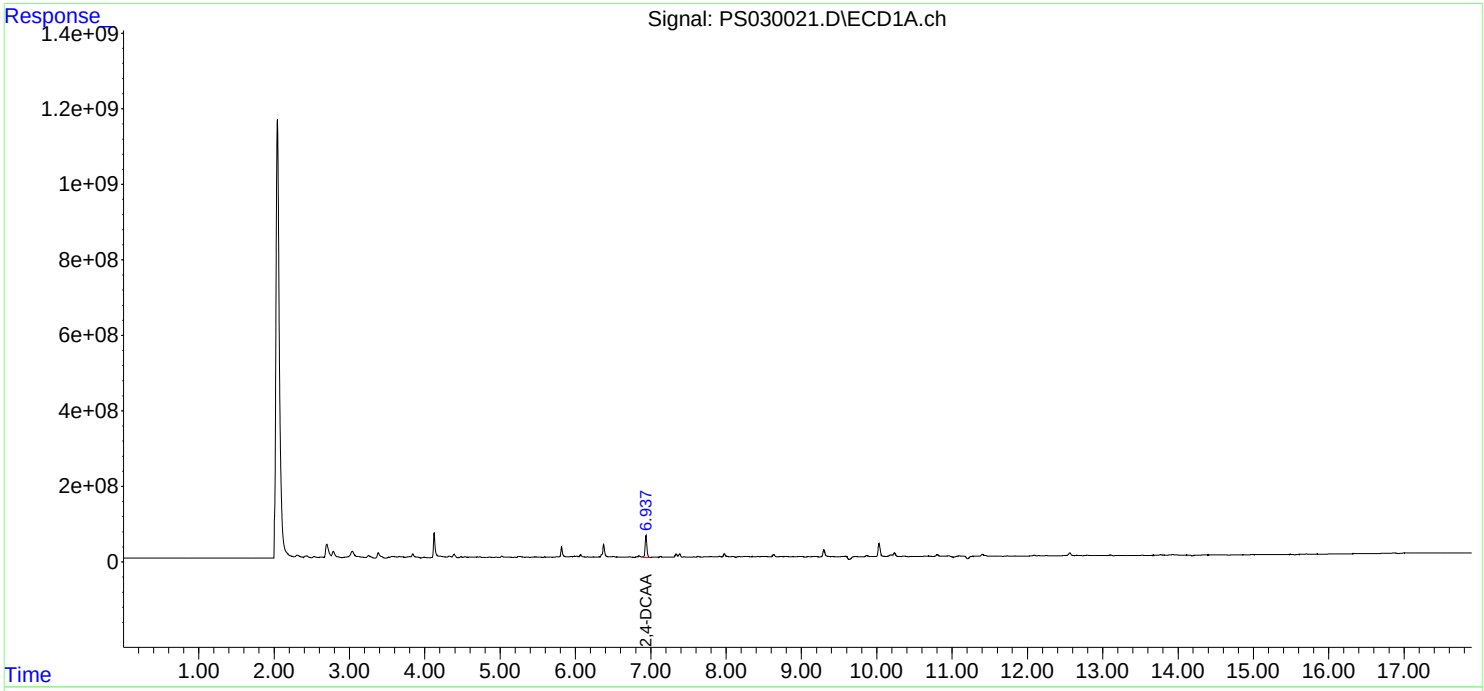
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:28
Operator : AR\AJ
Sample : Q1883-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

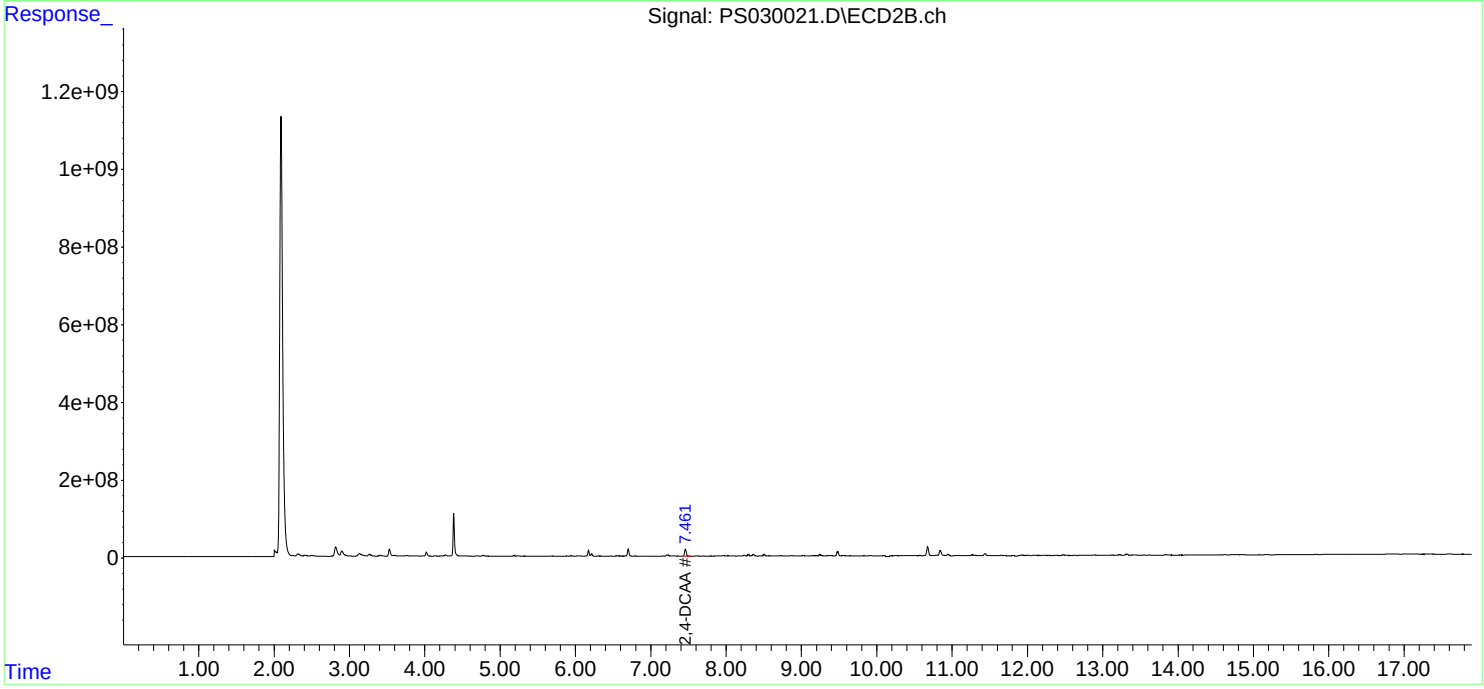
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325

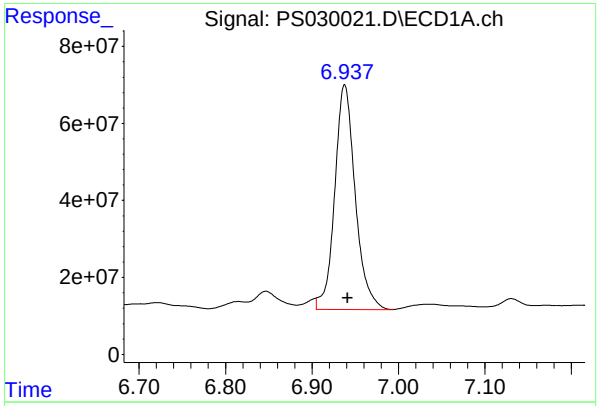
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







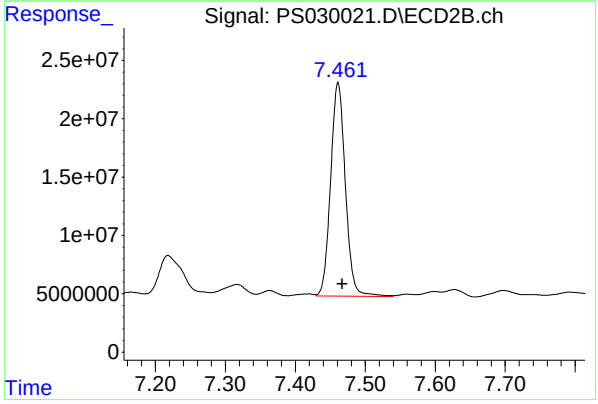
#4 2,4-DCAA

R.T.: 6.937 min
Delta R.T.: -0.004 min
Response: 960472157
Conc: 390.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 267757330
Conc: 380.06 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:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-32-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-11	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	97.3 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030022.D	1	04/30/25 08:50	05/01/25 15:52	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.034	U	0.0080	0.034	0.069	mg/Kg
75-99-0	DALAPON	0.051	U	0.018	0.051	0.069	mg/Kg
120-36-5	DICHLORPROP	0.034	U	0.013	0.034	0.069	mg/Kg
94-75-7	2,4-D	0.034	U	0.0093	0.034	0.069	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.034	U	0.0093	0.034	0.069	mg/Kg
93-76-5	2,4,5-T	0.034	U	0.0089	0.034	0.069	mg/Kg
94-82-6	2,4-DB	0.034	U	0.025	0.034	0.069	mg/Kg
88-85-7	DINOSEB	0.034	U	0.011	0.034	0.069	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	327		27 - 122		65%	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\PS050125\
Data File : PS030022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:52
Operator : AR\AJ
Sample : Q1883-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-32-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.461	804.3E6	223.7E6	326.812	317.536
	Target Compounds						

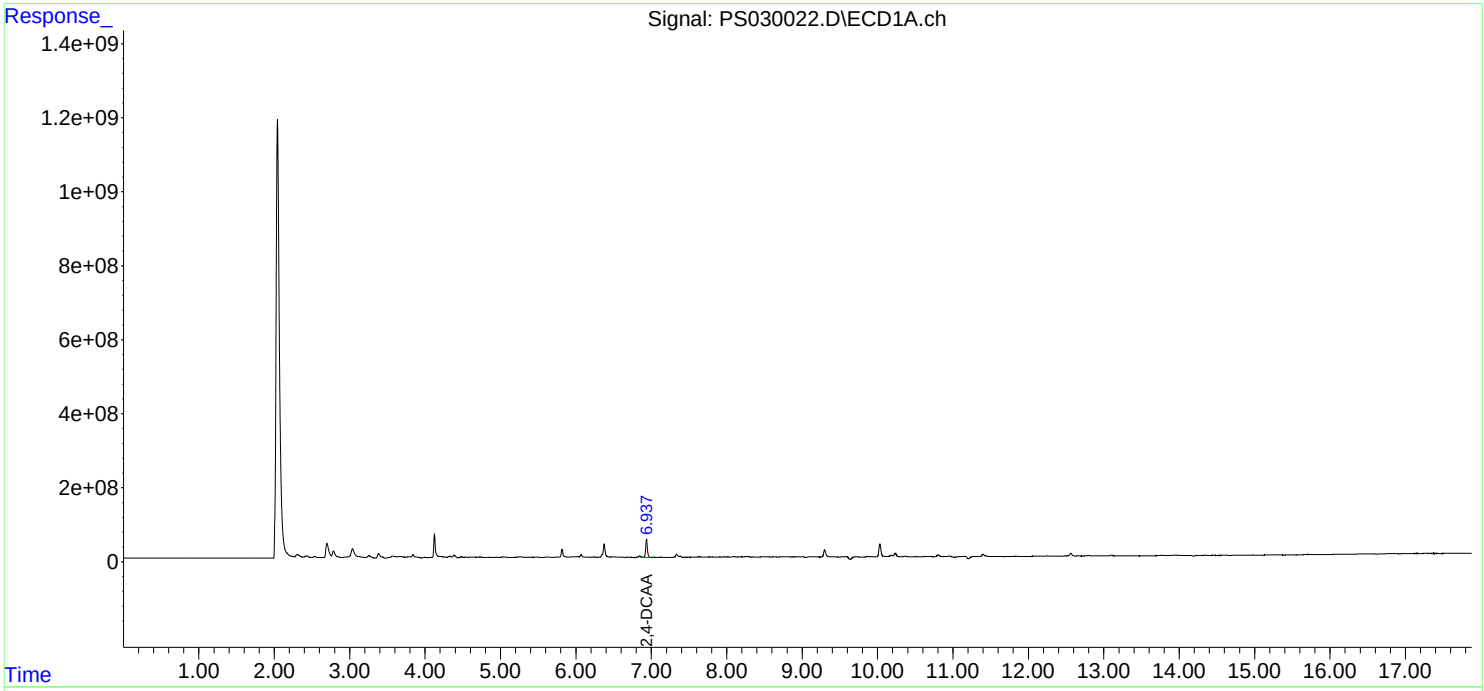
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

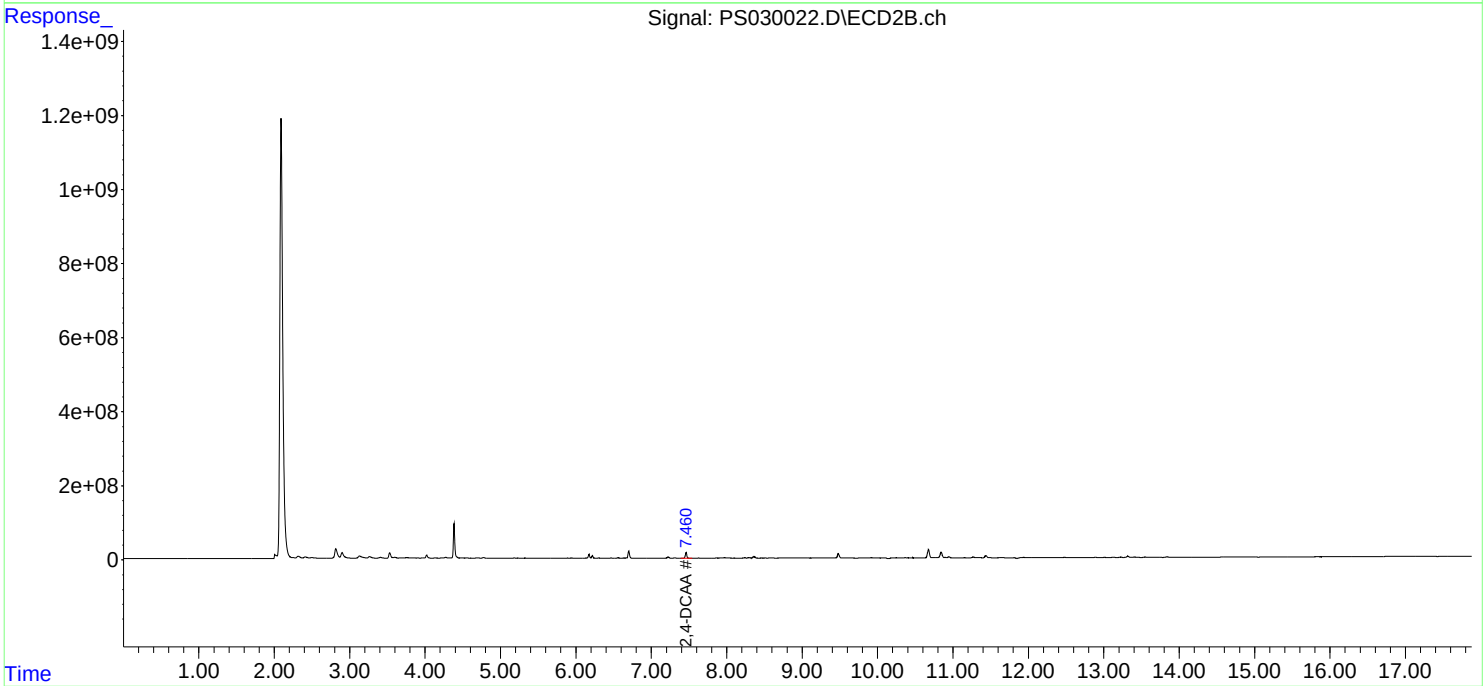
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:52
Operator : AR\AJ
Sample : Q1883-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

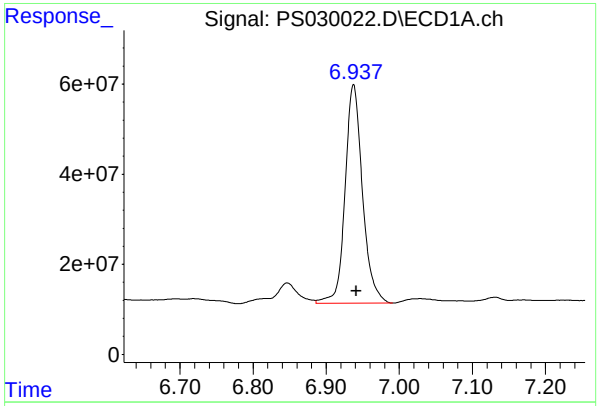
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-32-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



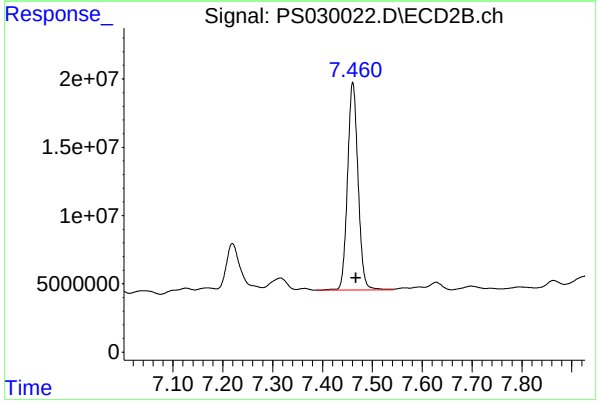




#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 804310408
Conc: 326.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-32-042325



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 223709231
Conc: 317.54 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:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-18-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-13	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	94.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030023.D	1	04/30/25 08:50	05/01/25 16:16	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.035	U	0.0082	0.035	0.071	mg/Kg
75-99-0	DALAPON	0.053	U	0.019	0.053	0.071	mg/Kg
120-36-5	DICHLORPROP	0.035	U	0.014	0.035	0.071	mg/Kg
94-75-7	2,4-D	0.035	U	0.0095	0.035	0.071	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.035	U	0.0096	0.035	0.071	mg/Kg
93-76-5	2,4,5-T	0.035	U	0.0092	0.035	0.071	mg/Kg
94-82-6	2,4-DB	0.035	U	0.026	0.035	0.071	mg/Kg
88-85-7	DINOSEB	0.035	U	0.011	0.035	0.071	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	365		27 - 122		73%	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\PS050125\
Data File : PS030023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 16:16
Operator : AR\AJ
Sample : Q1883-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-VSL-18-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #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	6.937	7.461	899.3E6	243.3E6	365.401	345.280
	Target Compounds						

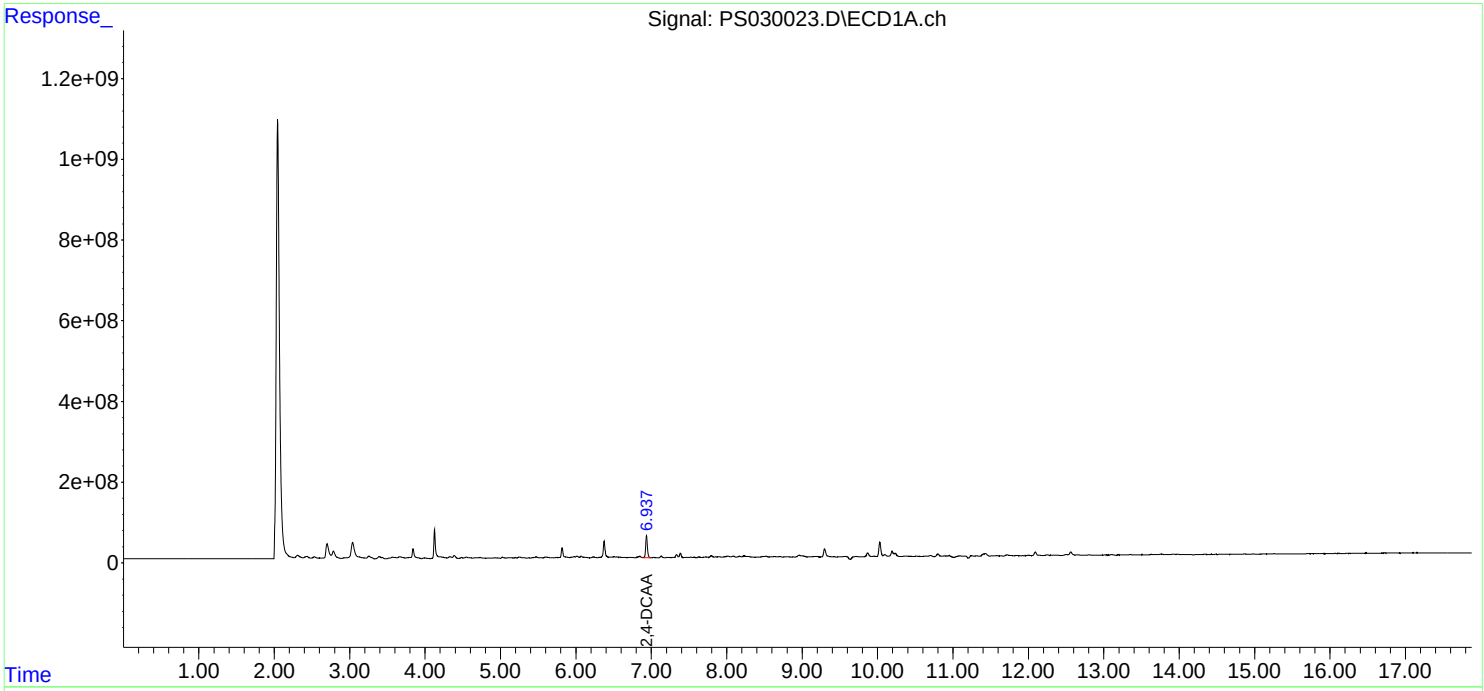
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

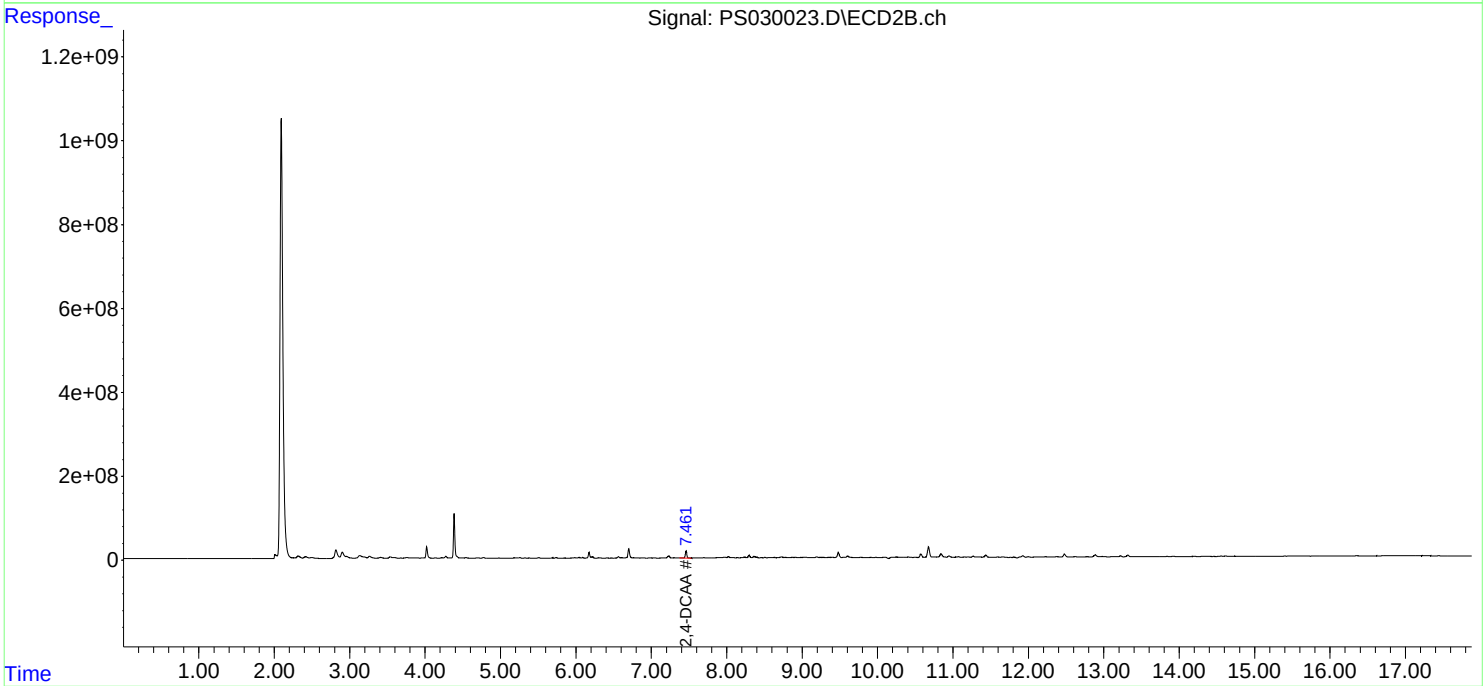
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 16:16
Operator : AR\AJ
Sample : Q1883-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

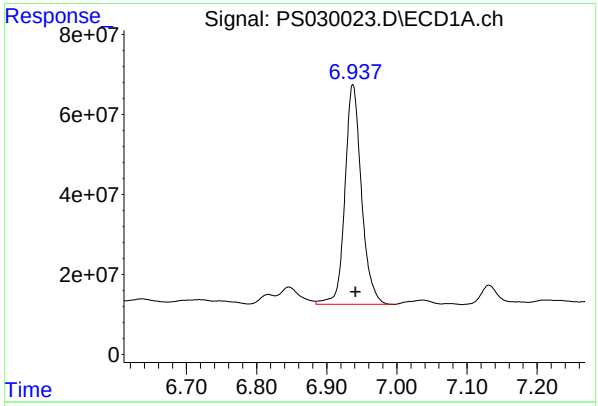
Instrument :
ECD_S
ClientSampleId :
OU4-VSL-18-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



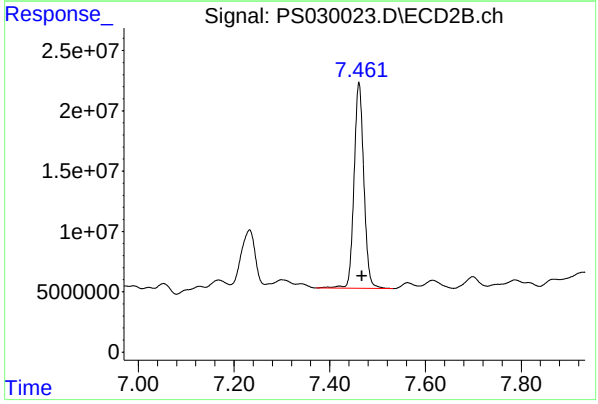




#4 2,4-DCAA

R.T.: 6.937 min
Delta R.T.: -0.004 min
Response: 899281602
Conc: 365.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-VSL-18-042325



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 243255379
Conc: 345.28 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:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-19-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-15	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	95.8 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
PS030024.D	1	04/30/25 08:50	05/01/25 16:40	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.034	U	0.0081	0.034	0.070	mg/Kg
75-99-0	DALAPON	0.052	U	0.018	0.052	0.070	mg/Kg
120-36-5	DICHLORPROP	0.034	U	0.013	0.034	0.070	mg/Kg
94-75-7	2,4-D	0.034	U	0.0094	0.034	0.070	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.034	U	0.0094	0.034	0.070	mg/Kg
93-76-5	2,4,5-T	0.034	U	0.0091	0.034	0.070	mg/Kg
94-82-6	2,4-DB	0.034	U	0.025	0.034	0.070	mg/Kg
88-85-7	DINOSEB	0.034	U	0.011	0.034	0.070	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	409		27 - 122		82%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 16:40
Operator : AR\AJ
Sample : Q1883-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-VSL-19-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:30:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.461	987.0E6	288.1E6	401.029	408.938
	Target Compounds						

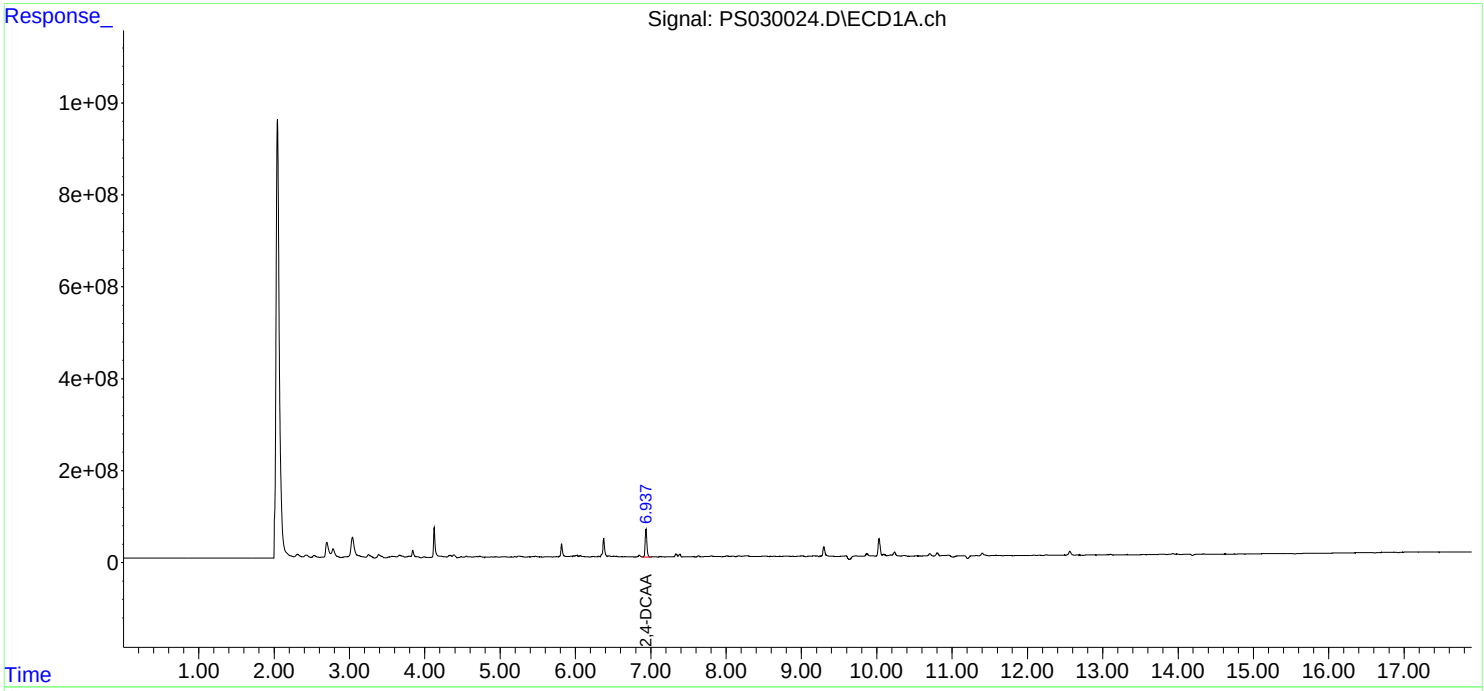
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

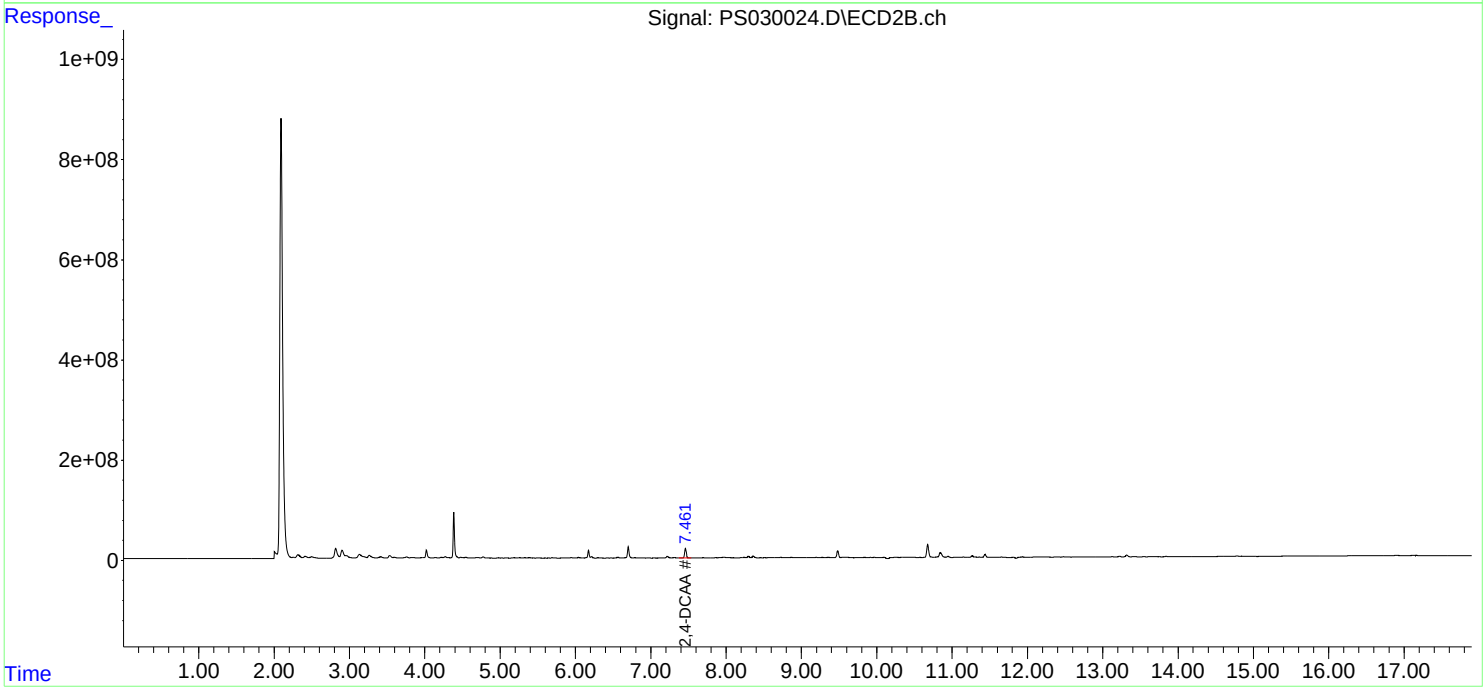
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 16:40
Operator : AR\AJ
Sample : Q1883-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

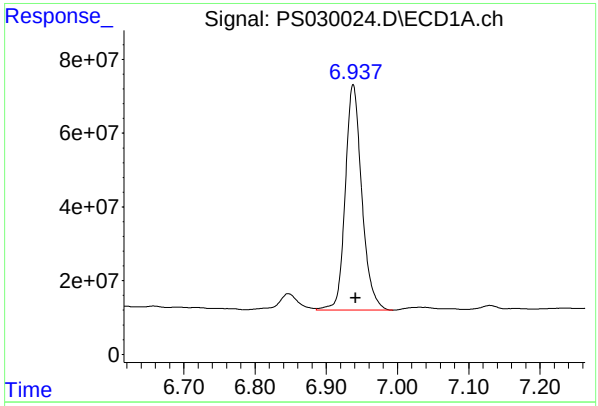
Instrument :
ECD_S
ClientSampleId :
OU4-VSL-19-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:30:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



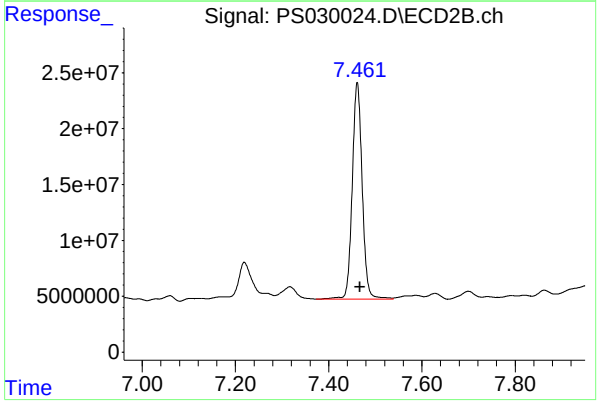




#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 986963633
Conc: 401.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-VSL-19-042325



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 288103690
Conc: 408.94 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Instrument ID: ECD_S **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:01 12:37

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

LAB FILE ID: RT 200 = PS029919.D RT 500 = PS029920.D

RT 750 = PS029921.D RT 1000 = PS029922.D RT 1500 = PS029923.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.15	9.15	9.14	9.14	9.14	9.14	9.04	9.24
2,4,5-TP(Silvex)	8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
2,4-D	8.02	8.02	8.02	8.02	8.02	8.02	7.92	8.12
2,4-DB	9.70	9.70	9.70	9.70	9.70	9.70	9.60	9.80
2,4-DCAA	6.94	6.94	6.94	6.94	6.94	6.94	6.84	7.04
Dalapon	2.45	2.45	2.45	2.45	2.45	2.45	2.35	2.55
DICAMBA	7.12	7.12	7.12	7.12	7.12	7.12	7.02	7.22
DICHLORPROP	7.80	7.80	7.80	7.80	7.80	7.80	7.70	7.90
Dinoseb	10.87	10.87	10.87	10.87	10.87	10.87	10.77	10.97

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.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Instrument ID: ECD_S **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:01 12:37

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

LAB FILE ID: RT 200 = PS029919.D RT 500 = PS029920.D

RT 750 = PS029921.D RT 1000 = PS029922.D RT 1500 = PS029923.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.95	9.95	9.95	9.95	9.95	9.95	9.85	10.05
2,4,5-TP(Silvex)	9.54	9.54	9.54	9.54	9.54	9.54	9.44	9.64
2,4-D	8.66	8.66	8.66	8.66	8.66	8.66	8.56	8.76
2,4-DB	10.51	10.51	10.51	10.51	10.51	10.51	10.41	10.61
2,4-DCAA	7.47	7.47	7.47	7.47	7.47	7.47	7.37	7.57
Dalapon	2.53	2.53	2.53	2.52	2.52	2.52	2.42	2.62
DICAMBA	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
DICHLORPROP	8.35	8.35	8.35	8.35	8.35	8.35	8.25	8.45
Dinoseb	10.88	10.88	10.88	10.88	10.88	10.88	10.78	10.98

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Instrument ID: ECD_S **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:01 12:37

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

LAB FILE ID: CF 200 = PS029919.D CF 500 = PS029920.D

CF 750 = PS029921.D CF 1000 = PS029922.D CF 1500 = PS029923.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16505300000	14051400000	13586300000	13082600000	13039900000	14053100000	10
2,4,5-TP(Silvex)	16213200000	13862200000	13431300000	12910500000	12897000000	13862800000	10
2,4-D	3379530000	2797950000	2695740000	2590800000	2600340000	2812870000	12
2,4-DB	2544360000	2254920000	2220820000	2167640000	2239040000	2285360000	7
2,4-DCAA	3038250000	2463560000	2343090000	2233670000	2226830000	2461080000	14
Dalapon	4639950000	4240730000	4001870000	3801310000	3792430000	4095260000	9
DICAMBA	11438400000	9878540000	9619200000	9265370000	9312840000	9902870000	9
DICHLORPROP	3106740000	2525040000	2414030000	2305320000	2319400000	2534110000	13
Dinoseb	12057500000	10136700000	9900160000	9369950000	9402820000	10173400000	11

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.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Instrument ID: ECD_S **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:01 12:37

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

LAB FILE ID: **CF 200 =** PS029919.D **CF 500 =** PS029920.D

CF 750 = PS029921.D **CF 1000 =** PS029922.D **CF 1500 =** PS029923.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	8525110000	7667180000	7627750000	7425390000	7567570000	7762600000	6
2,4,5-TP(Silvex)	8841790000	8081200000	8077540000	7871670000	8036560000	8181750000	5
2,4-D	1299090000	1113240000	1091000000	1054800000	1077400000	1127110000	9
2,4-DB	882651000	763494000	795790000	776318000	805960000	804842000	6
2,4-DCAA	807639000	692361000	682858000	661991000	677736000	704517000	8
Dalapon	2089590000	1714890000	1661930000	1593710000	1620600000	1736140000	12
DICAMBA	4120140000	3813580000	3900860000	3853240000	4062500000	3950060000	3
DICHLORPROP	1163430000	987784000	972110000	937504000	958998000	1003960000	9
Dinoseb	6538160000	5743240000	5708570000	5526360000	5638570000	5830980000	7

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:01
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:21:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.942	7.467	607.6E6	161.5E6	232.374	221.995
		Target Compounds						
1)	T	Dalapon	2.449	2.525	844.5E6	380.3E6	193.384m	208.714
2)	T	3,5-DICHL...	6.146	6.463	802.7E6	206.9E6	212.813	205.094
3)	T	4-Nitroph...	6.733	7.001	383.7E6	162.2E6	206.288	204.354
5)	T	DICAMBA	7.118	7.653	2150.4E6	774.6E6	208.534	196.353
6)	T	MCPP	7.295	7.758	112.8E6	31299306	18.132	18.050
7)	T	MCPA	7.437	7.988	169.4E6	48918025	19.260	20.374
8)	T	DICHLORPROP	7.799	8.348	584.1E6	218.7E6	217.778	210.088
9)	T	2,4-D	8.021	8.661	635.4E6	244.2E6	214.810	209.141
10)	T	Pentachlo...	8.298	9.163	7828.1E6	4208.5E6	211.528	201.368
11)	T	2,4,5-TP ...	8.862	9.542	3080.5E6	1679.9E6	212.416	201.589
12)	T	2,4,5-T	9.145	9.947	3136.0E6	1619.8E6	213.126	204.001
13)	T	2,4-DB	9.704	10.507	483.4E6	167.7E6	206.590	206.030
14)	T	DINOSEB	10.866	10.881	2266.8E6	1229.2E6	211.888	204.977
15)	T	Picloram	10.686	11.918	3927.9E6	2710.5E6	208.185	221.777m
16)	T	DCPA	11.167	11.918	3823.9E6	2388.5E6	214.204	203.950m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:01
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

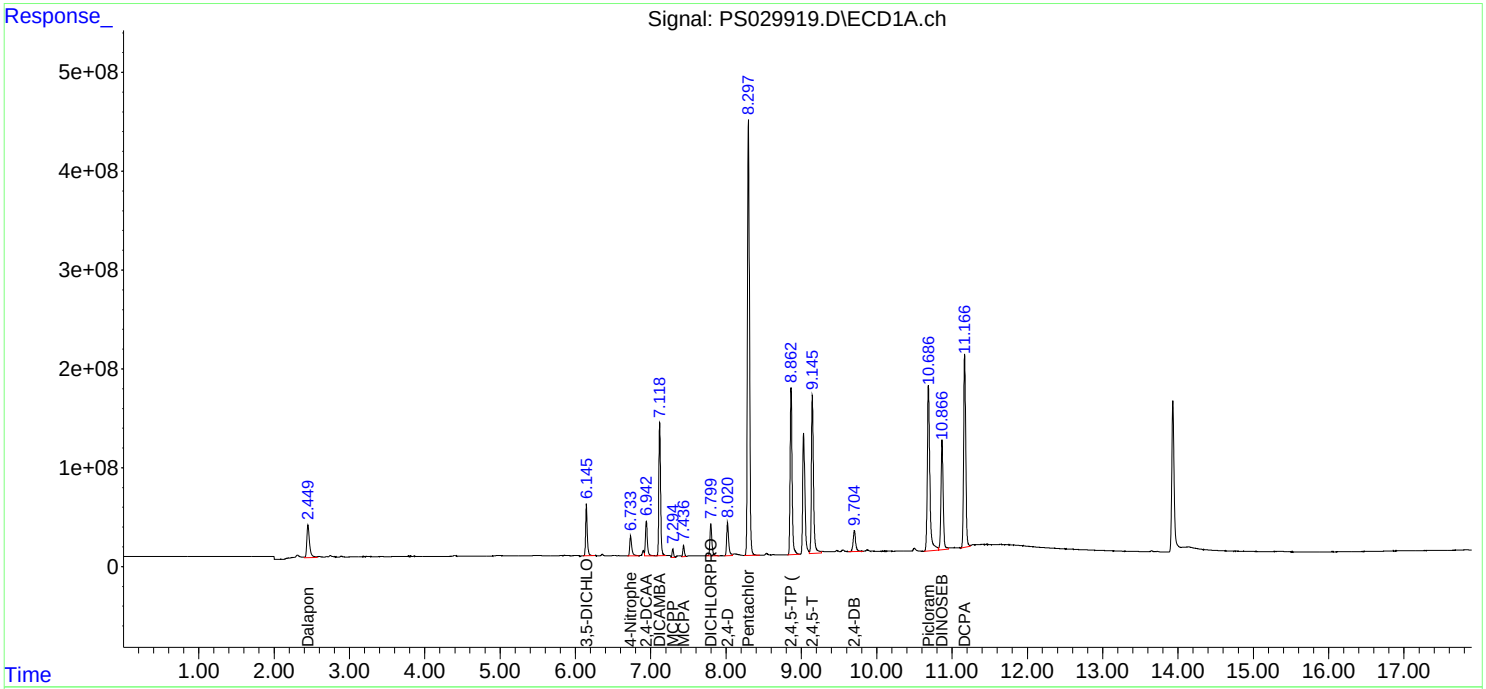
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

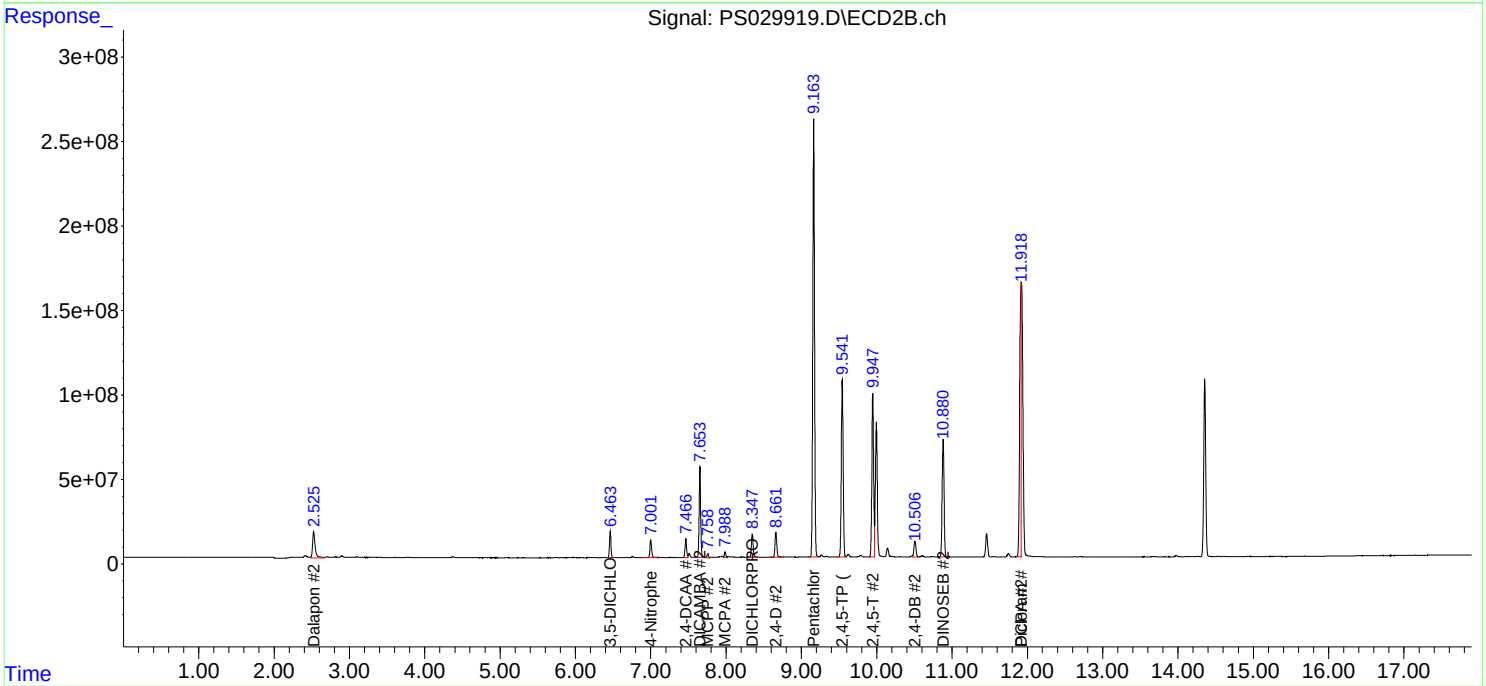
Manual Integrations APPROVED

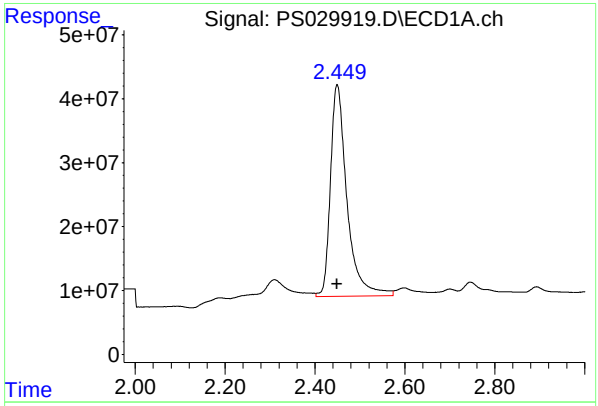
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:21:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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







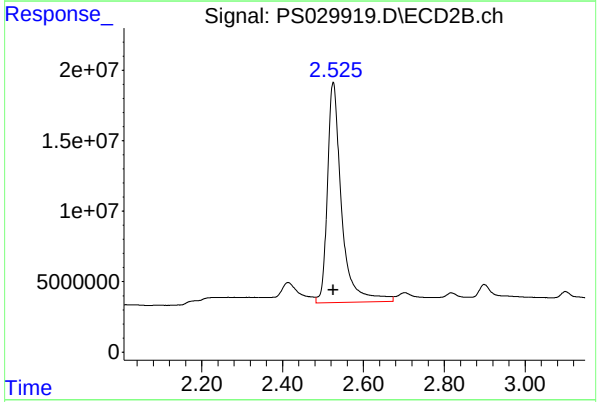
#1 Dalapon

R.T.: 2.449 min
Delta R.T.: 0.000 min
Response: 844471314
Conc: 193.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

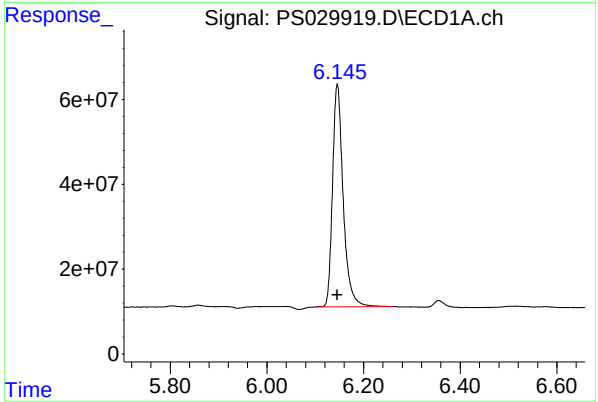
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



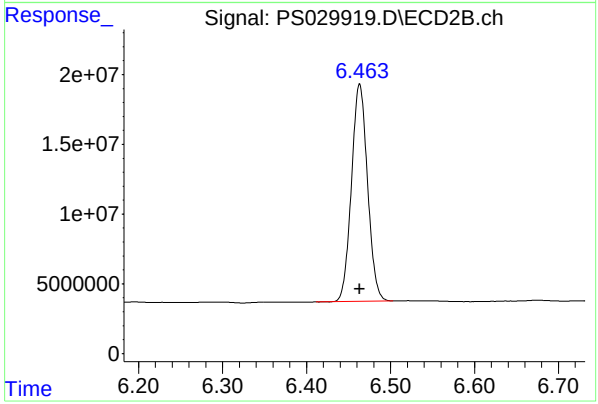
#1 Dalapon

R.T.: 2.525 min
Delta R.T.: 0.000 min
Response: 380305456
Conc: 208.71 ng/ml



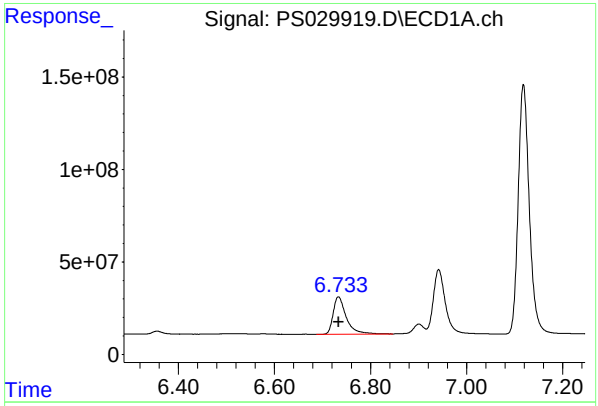
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.146 min
Delta R.T.: 0.000 min
Response: 802682173
Conc: 212.81 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 206925954
Conc: 205.09 ng/ml



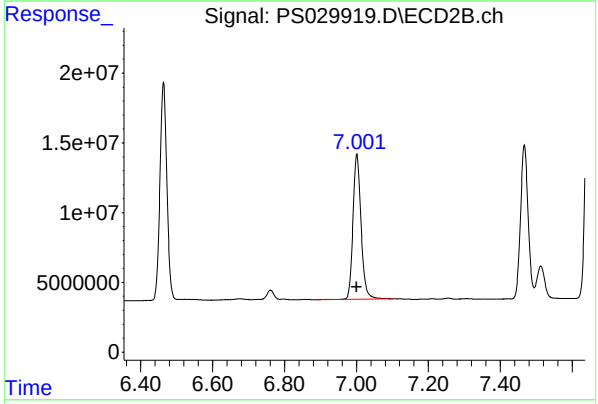
#3 4-Nitrophenol

R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 383695461
Conc: 206.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

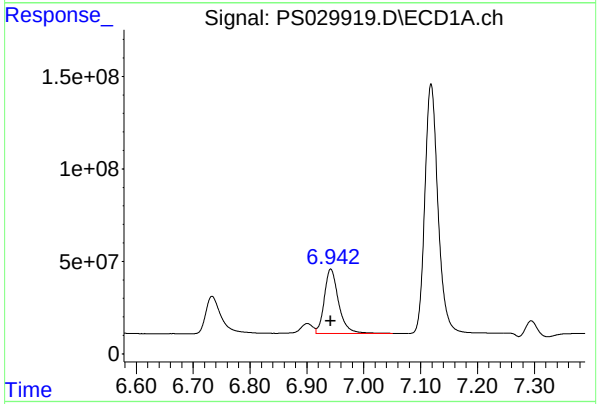
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



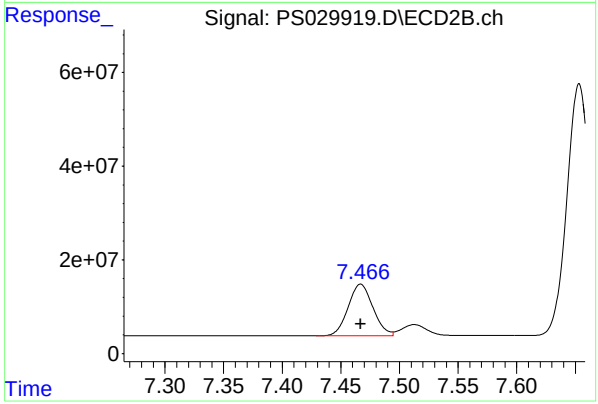
#3 4-Nitrophenol

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 162220636
Conc: 204.35 ng/ml



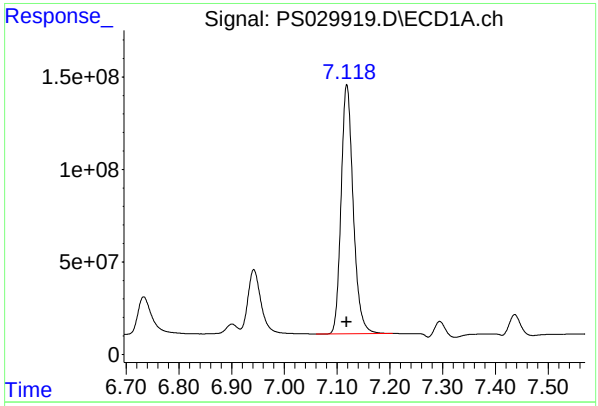
#4 2,4-DCAA

R.T.: 6.942 min
Delta R.T.: 0.000 min
Response: 607649568
Conc: 232.37 ng/ml



#4 2,4-DCAA

R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 161527736
Conc: 221.99 ng/ml



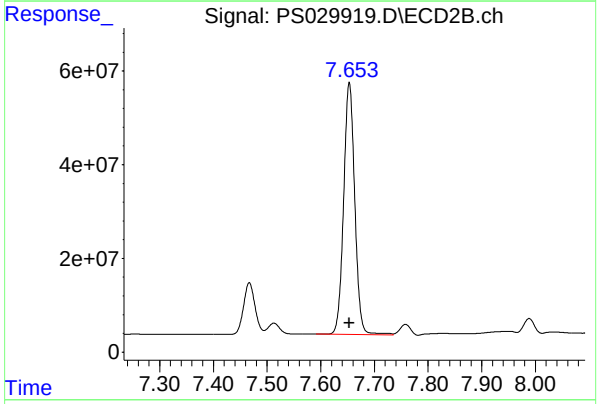
#5 DICAMBA

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 2150414141
Conc: 208.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

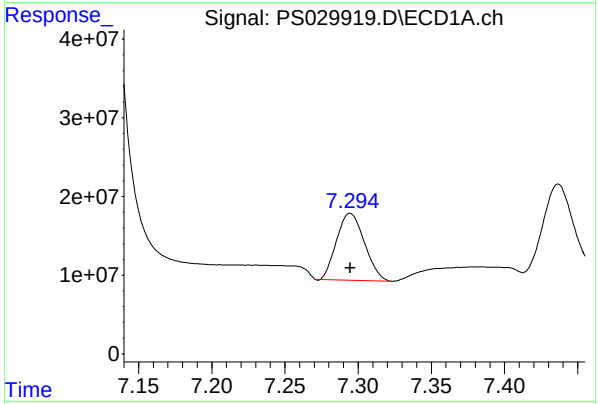
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



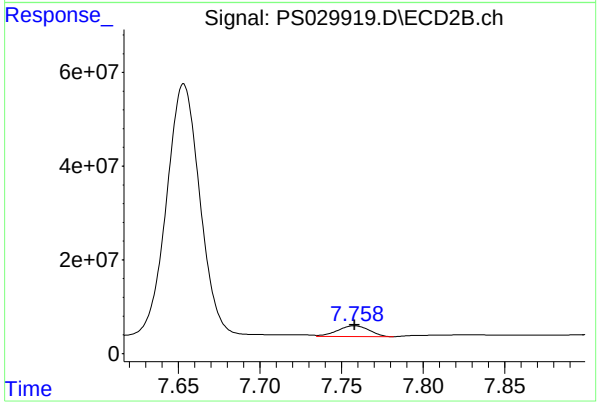
#5 DICAMBA

R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 774585769
Conc: 196.35 ng/ml



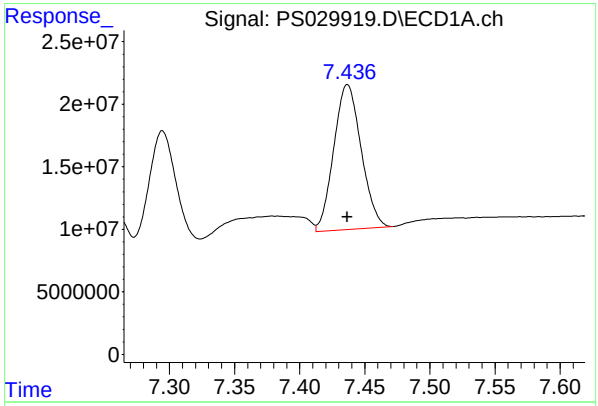
#6 MCPP

R.T.: 7.295 min
Delta R.T.: 0.000 min
Response: 112779199
Conc: 18.13 ug/ml



#6 MCPP

R.T.: 7.758 min
Delta R.T.: 0.000 min
Response: 31299306
Conc: 18.05 ug/ml



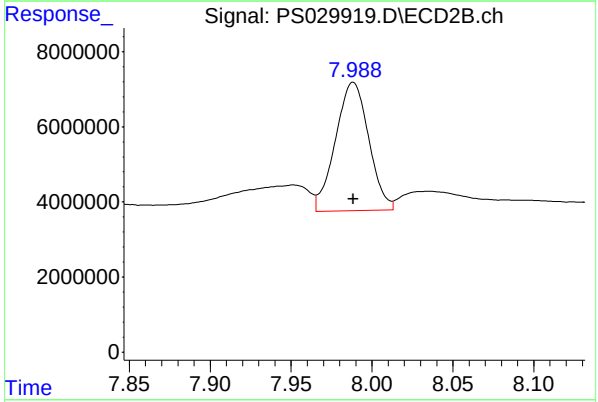
#7 MCPA

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 169402932
Conc: 19.26 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

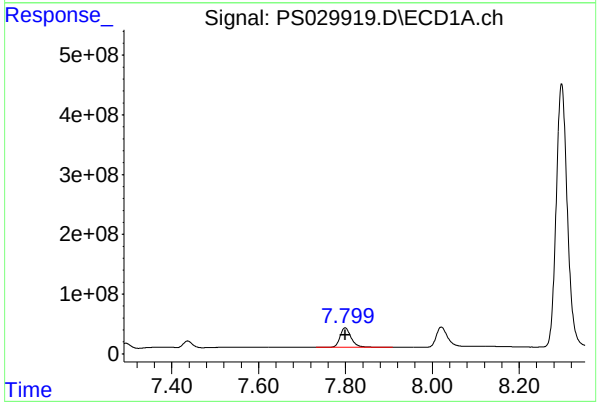
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



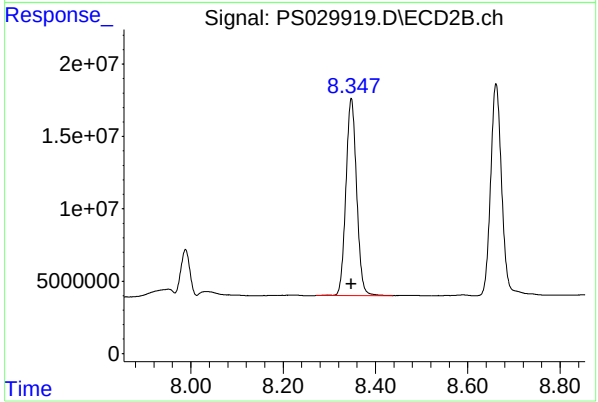
#7 MCPA

R.T.: 7.988 min
Delta R.T.: 0.000 min
Response: 48918025
Conc: 20.37 ug/ml



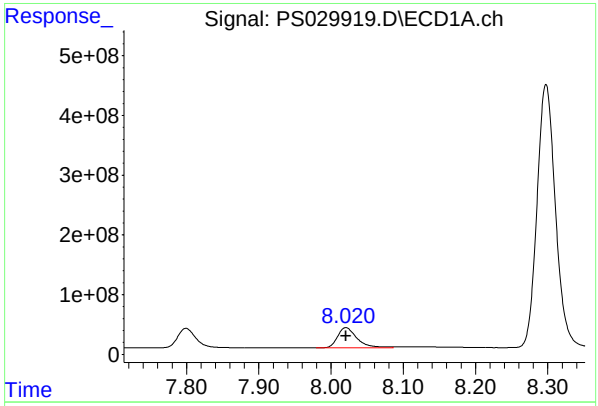
#8 DICHLORPROP

R.T.: 7.799 min
Delta R.T.: 0.000 min
Response: 584067087
Conc: 217.78 ng/ml



#8 DICHLORPROP

R.T.: 8.348 min
Delta R.T.: 0.000 min
Response: 218723918
Conc: 210.09 ng/ml



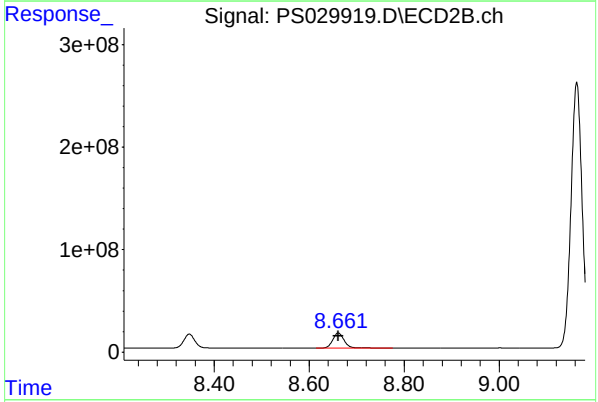
#9 2,4-D

R.T.: 8.021 min
Delta R.T.: 0.000 min
Response: 635351443
Conc: 214.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

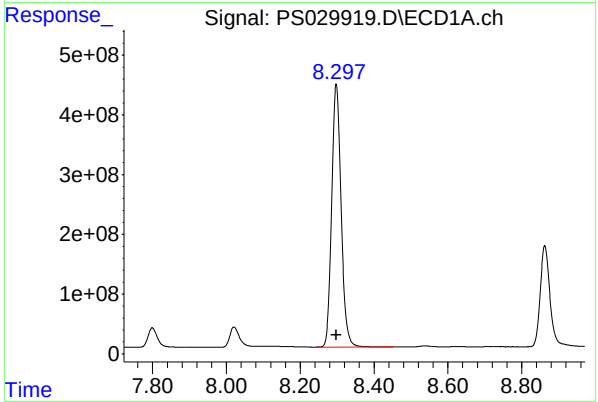
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



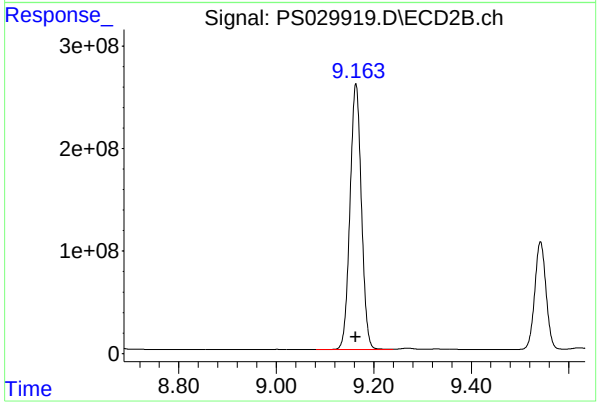
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 244229801
Conc: 209.14 ng/ml



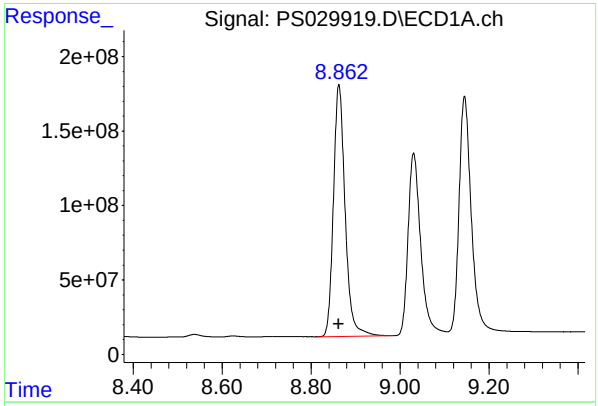
#10 Pentachlorophenol

R.T.: 8.298 min
Delta R.T.: 0.000 min
Response: 7828106091
Conc: 211.53 ng/ml



#10 Pentachlorophenol

R.T.: 9.163 min
Delta R.T.: 0.000 min
Response: 4208465177
Conc: 201.37 ng/ml



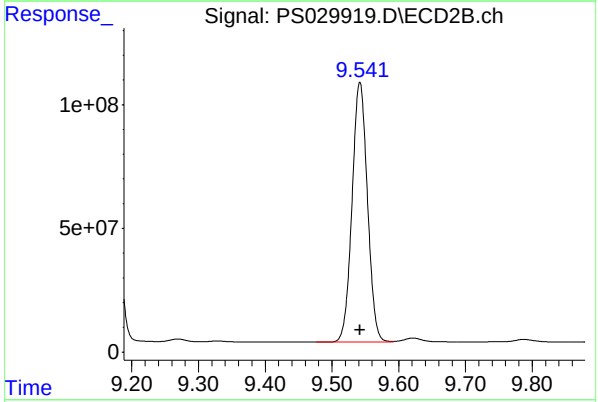
#11 2,4,5-TP (SILVEX)

R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 3080510531
Conc: 212.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

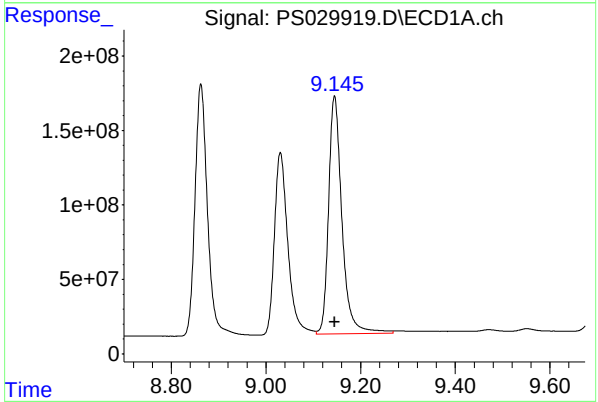
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



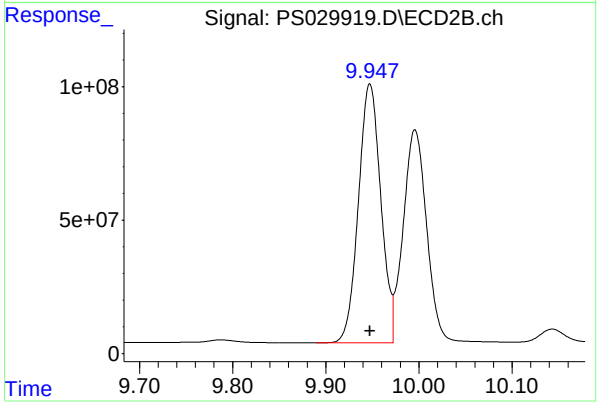
#11 2,4,5-TP (SILVEX)

R.T.: 9.542 min
Delta R.T.: 0.000 min
Response: 1679940962
Conc: 201.59 ng/ml



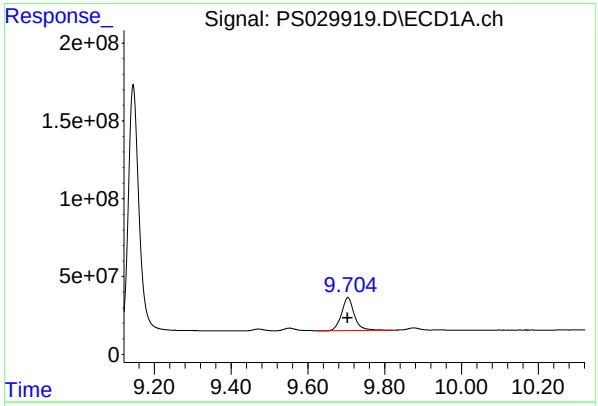
#12 2,4,5-T

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 3136007230
Conc: 213.13 ng/ml



#12 2,4,5-T

R.T.: 9.947 min
Delta R.T.: 0.000 min
Response: 1619770655
Conc: 204.00 ng/ml



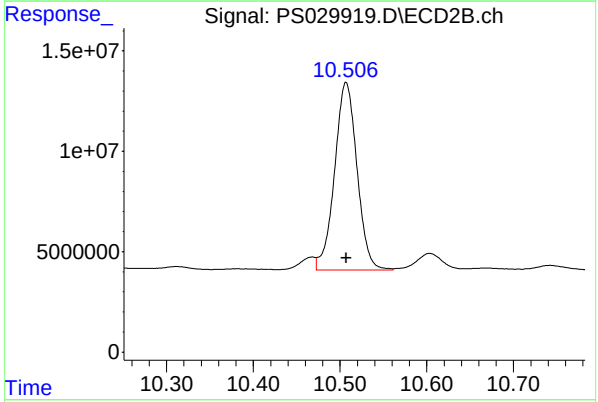
#13 2,4-DB

R.T.: 9.704 min
Delta R.T.: 0.000 min
Response: 483428317
Conc: 206.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

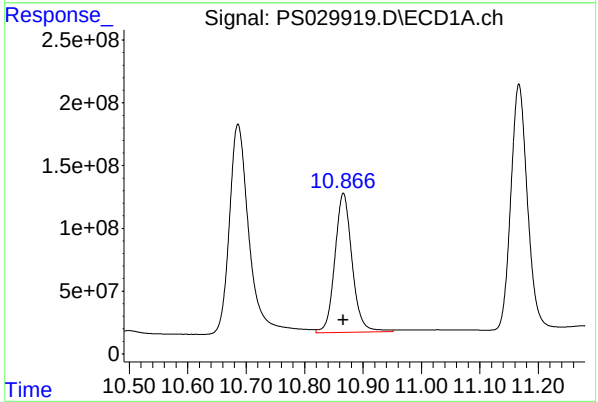
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



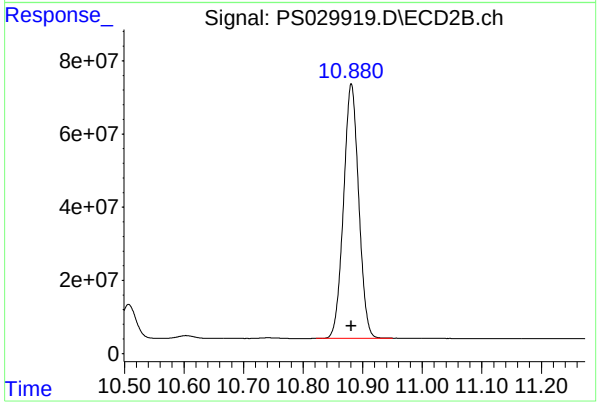
#13 2,4-DB

R.T.: 10.507 min
Delta R.T.: 0.000 min
Response: 167703688
Conc: 206.03 ng/ml



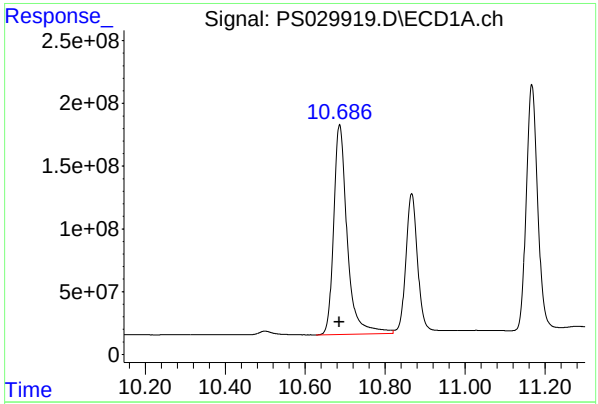
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 2266806582
Conc: 211.89 ng/ml



#14 DINOSEB

R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 1229173921
Conc: 204.98 ng/ml



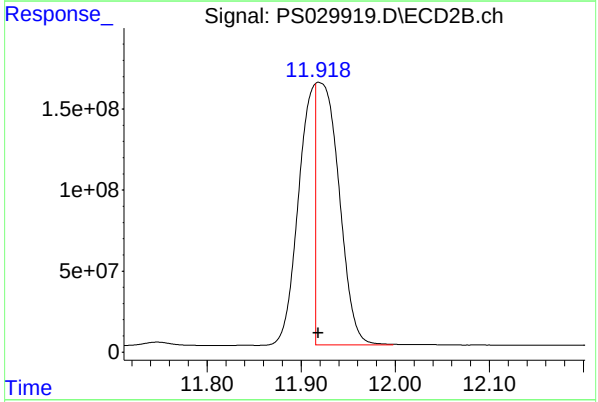
#15 Picloram

R.T.: 10.686 min
Delta R.T.: 0.000 mi
Response: 3927930714
Conc: 208.18 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

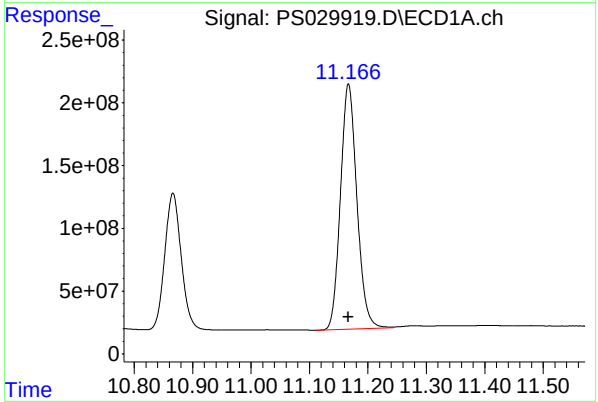
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



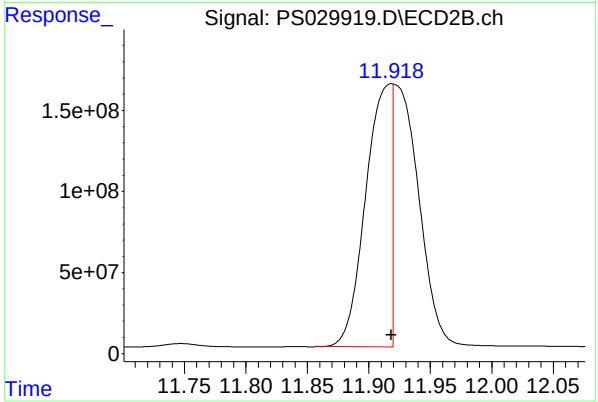
#15 Picloram

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 2710469284
Conc: 221.78 ng/ml m



#16 DCPA

R.T.: 11.167 min
Delta R.T.: 0.000 min
Response: 3823873526
Conc: 214.20 ng/ml



#16 DCPA

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 2388549576
Conc: 203.95 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:25
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:18:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.942	7.467	1231.8E6	346.2E6	512.532	503.455
	Target Compounds						
1) T	Dalapon	2.449	2.525	1929.5E6	780.3E6	468.186	462.137
2) T	3,5-DICHL...	6.146	6.463	1662.7E6	449.2E6	475.061	469.317
3) T	4-Nitroph...	6.733	7.001	802.3E6	342.6E6	462.200	459.862
5) T	DICAMBA	7.118	7.653	4642.9E6	1792.4E6	476.252	464.683
6) T	MCPP	7.296	7.759	290.7E6	82241844	45.918	46.500
7) T	MCPA	7.438	7.990	399.1E6	105.5E6	46.188	46.156
8) T	DICHLORPROP	7.799	8.347	1186.8E6	464.3E6	480.564	473.759
9) T	2,4-D	8.020	8.661	1315.0E6	523.2E6	478.744	474.742
10) T	Pentachlo...	8.297	9.164	16887.6E6	9661.5E6	483.734	476.543
11) T	2,4,5-TP ...	8.862	9.542	6584.5E6	3838.6E6	482.498	475.108
12) T	2,4,5-T	9.145	9.948	6674.4E6	3641.9E6	482.992	476.224
13) T	2,4-DB	9.703	10.507	1071.1E6	362.7E6	478.618	465.162
14) T	DINOSEB	10.866	10.881	4764.3E6	2699.3E6	475.549	471.423
15) T	Picloram	10.685	11.923	8585.2E6	5454.2E6	477.895	452.164m
16) T	DCPA	11.167	11.919	8208.3E6	5573.5E6	488.029	495.898m

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

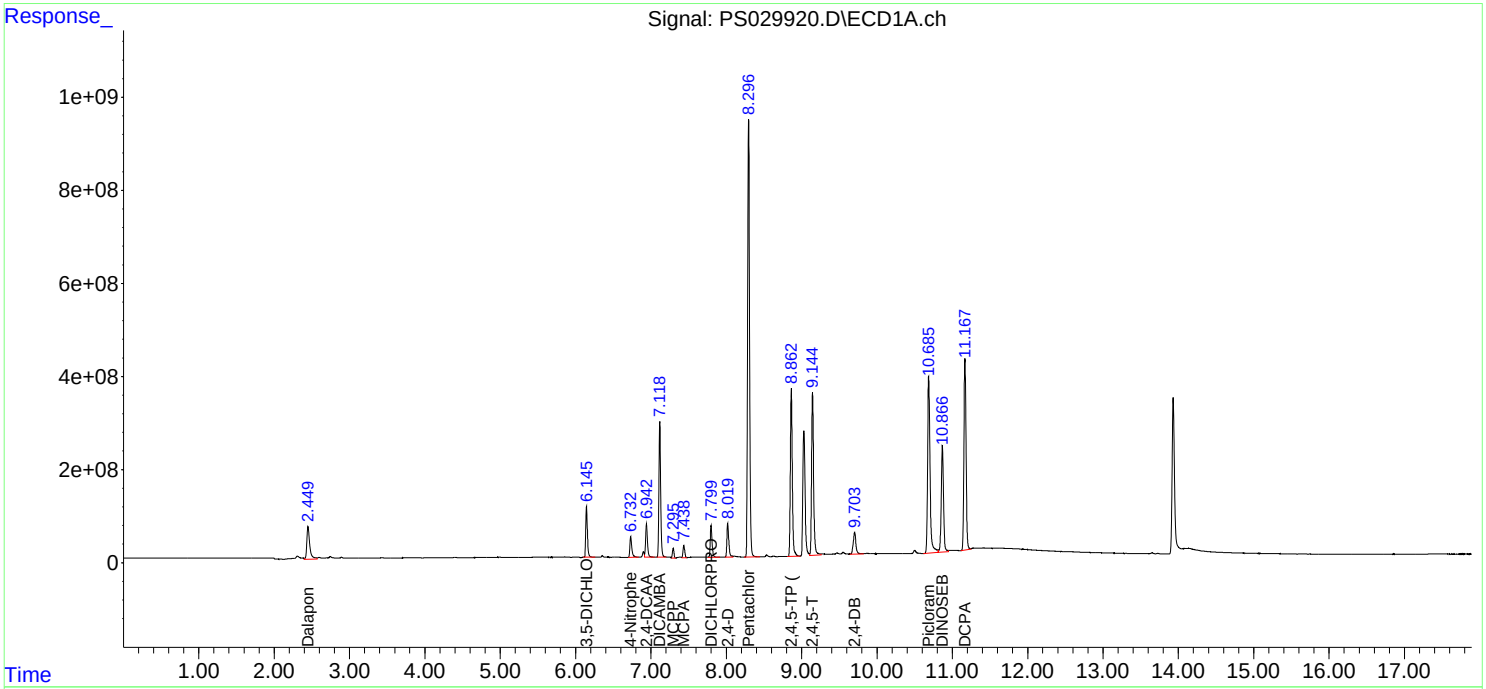
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:25
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

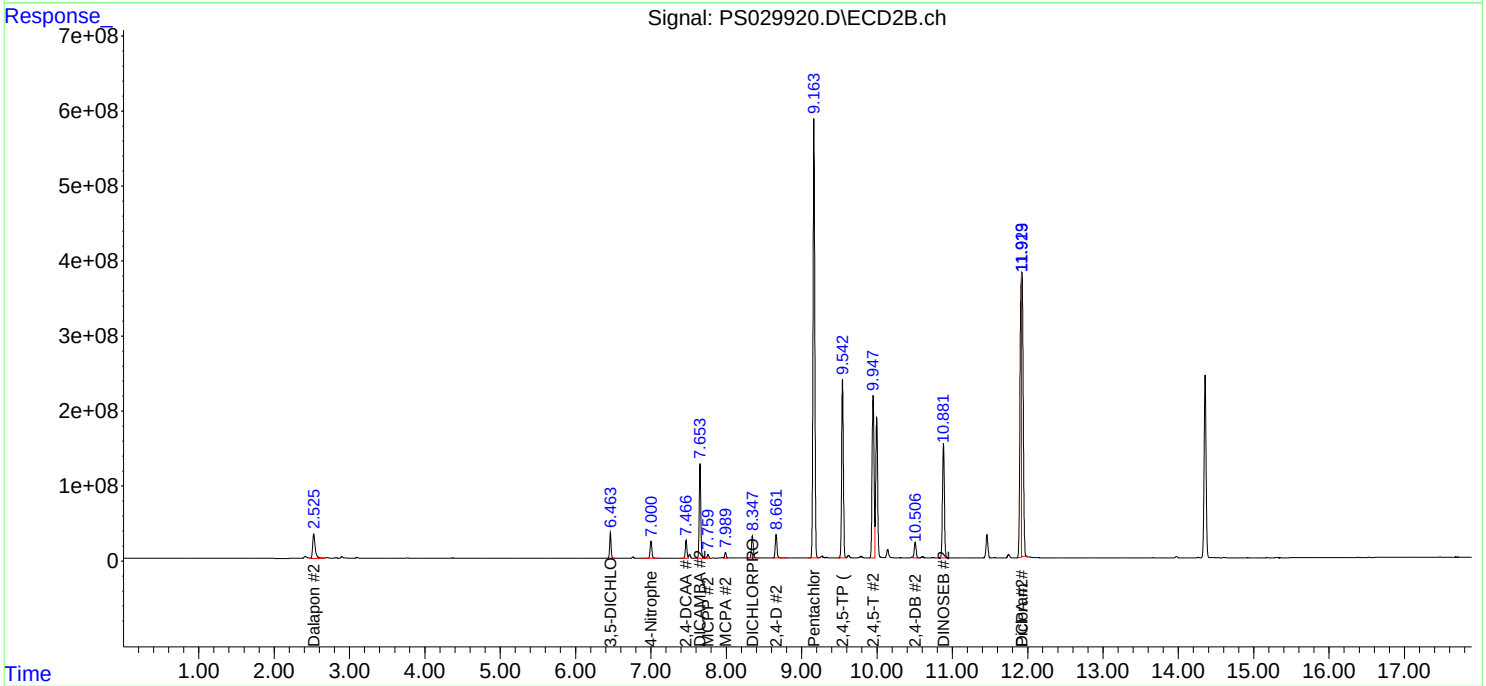
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

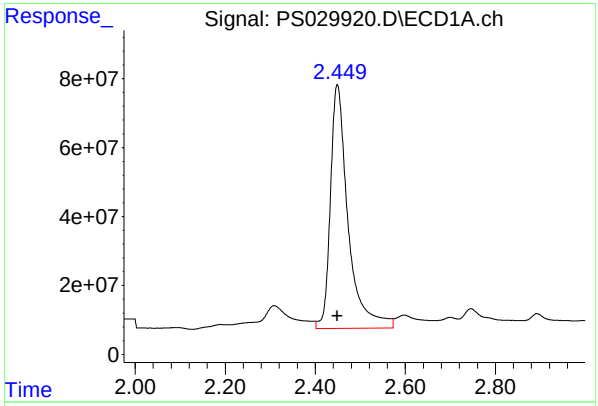
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:18:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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







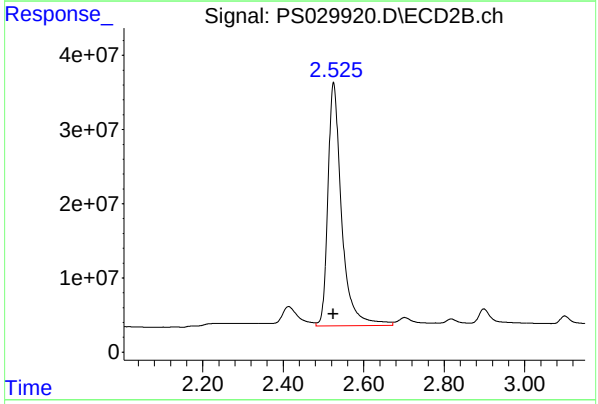
#1 Dalapon

R.T.: 2.449 min
Delta R.T.: 0.000 min
Response: 1929533765
Conc: 468.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

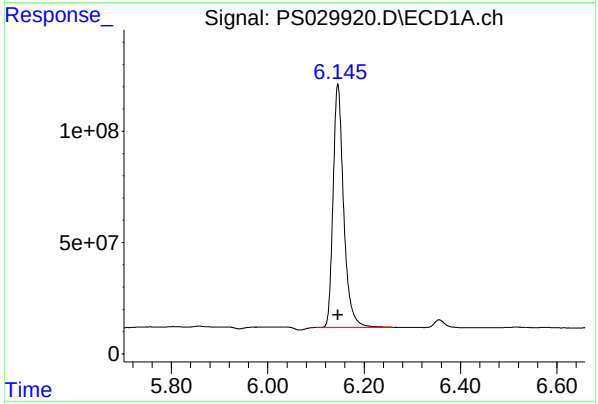
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



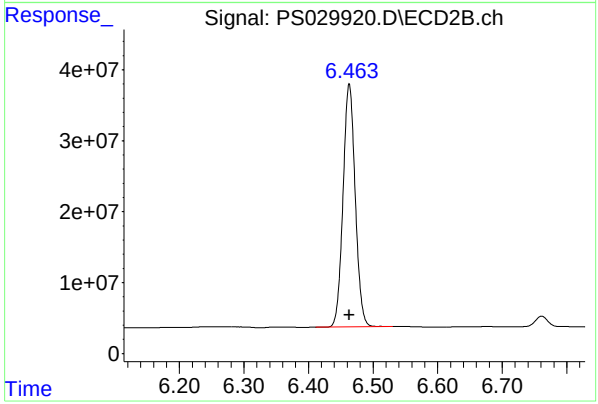
#1 Dalapon

R.T.: 2.525 min
Delta R.T.: 0.000 min
Response: 780277133
Conc: 462.14 ng/ml



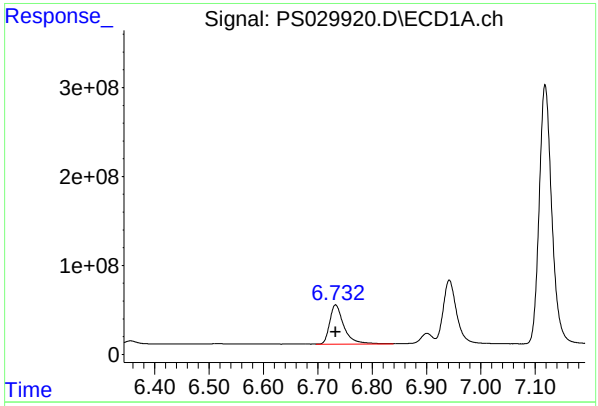
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.146 min
Delta R.T.: 0.000 min
Response: 1662675840
Conc: 475.06 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 449204324
Conc: 469.32 ng/ml



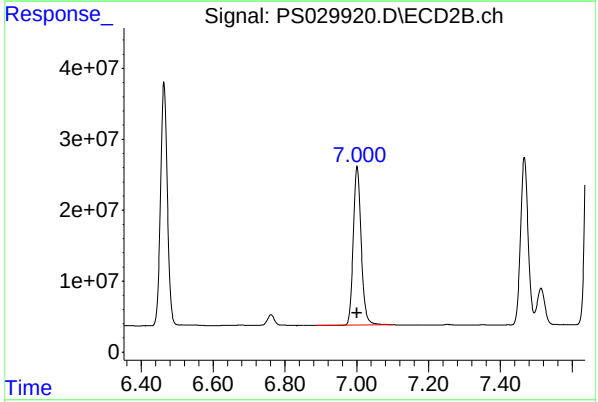
#3 4-Nitrophenol

R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 802328512
Conc: 462.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

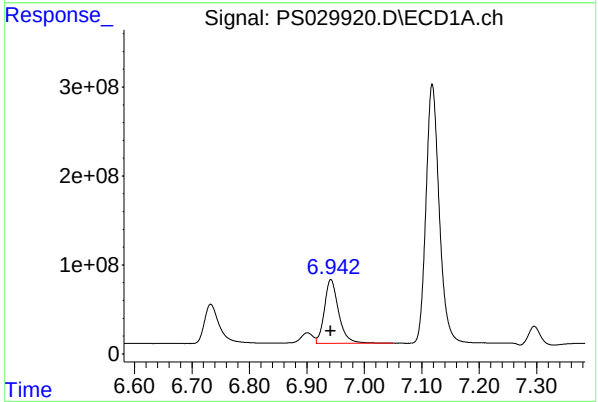
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



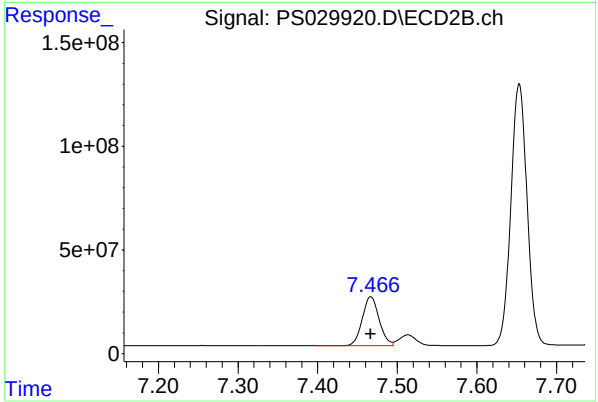
#3 4-Nitrophenol

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 342629938
Conc: 459.86 ng/ml



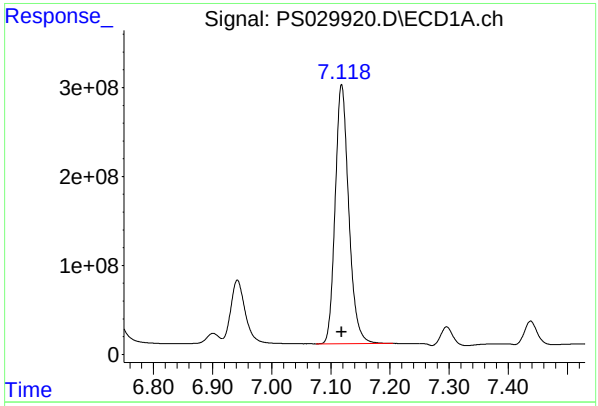
#4 2,4-DCAA

R.T.: 6.942 min
Delta R.T.: 0.000 min
Response: 1231780921
Conc: 512.53 ng/ml



#4 2,4-DCAA

R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 346180636
Conc: 503.46 ng/ml



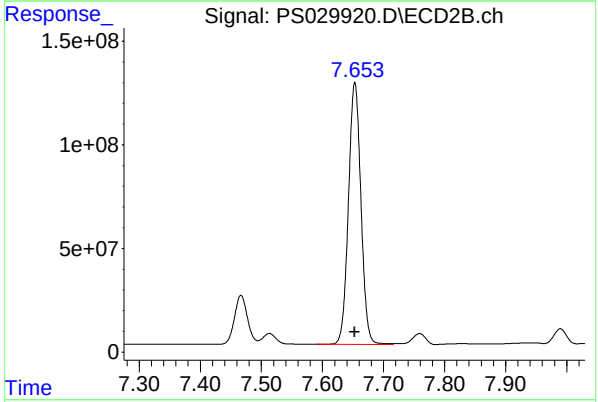
#5 DICAMBA

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 4642915948
Conc: 476.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

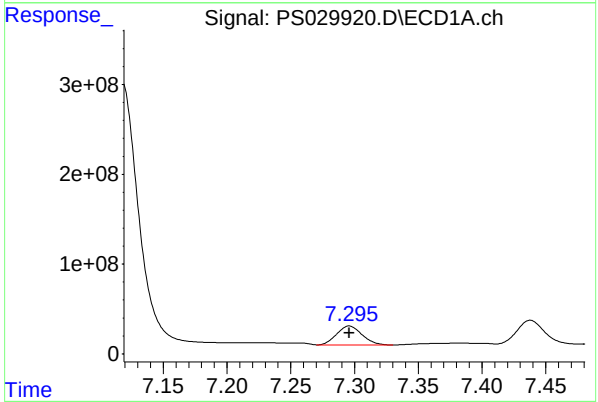
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



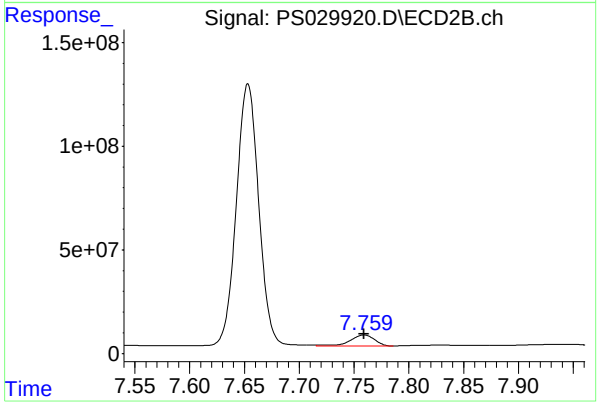
#5 DICAMBA

R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 1792383950
Conc: 464.68 ng/ml



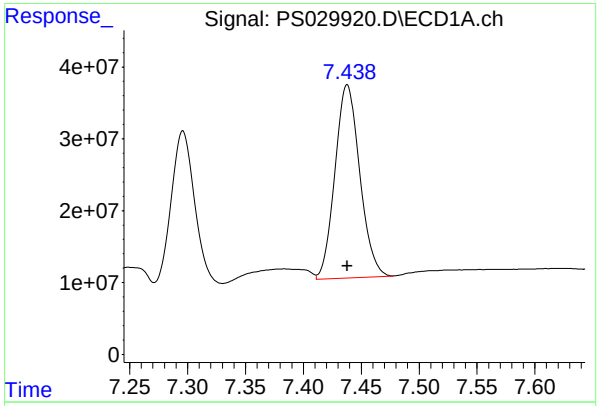
#6 MCPP

R.T.: 7.296 min
Delta R.T.: 0.000 min
Response: 290670931
Conc: 45.92 ug/ml



#6 MCPP

R.T.: 7.759 min
Delta R.T.: 0.000 min
Response: 82241844
Conc: 46.50 ug/ml



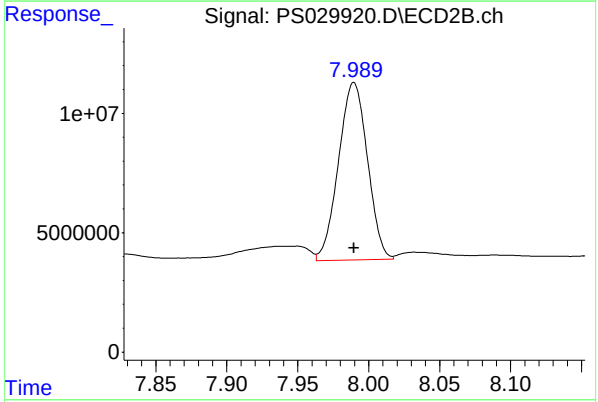
#7 MCPA

R.T.: 7.438 min
Delta R.T.: 0.000 min
Response: 399051123
Conc: 46.19 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

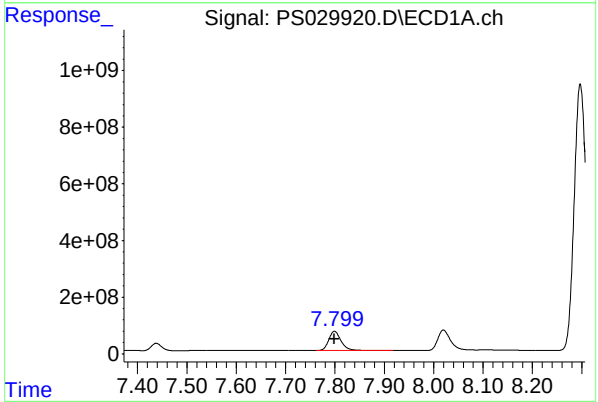
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



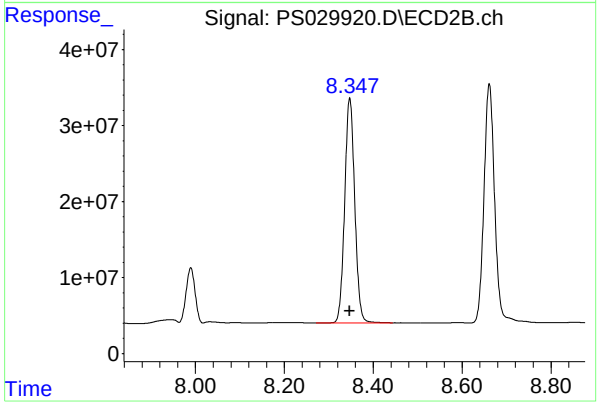
#7 MCPA

R.T.: 7.990 min
Delta R.T.: 0.000 min
Response: 105534297
Conc: 46.16 ug/ml



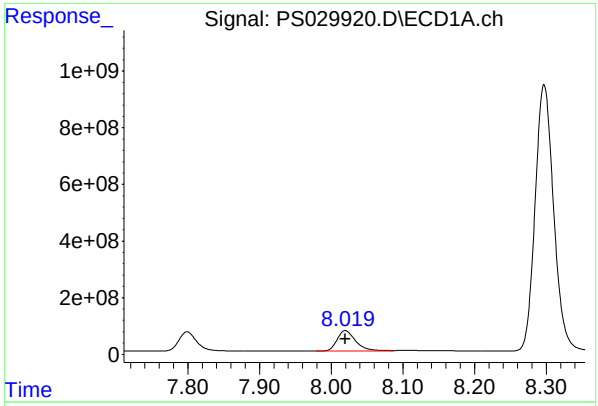
#8 DICHLORPROP

R.T.: 7.799 min
Delta R.T.: 0.000 min
Response: 1186769618
Conc: 480.56 ng/ml



#8 DICHLORPROP

R.T.: 8.347 min
Delta R.T.: 0.000 min
Response: 464258436
Conc: 473.76 ng/ml



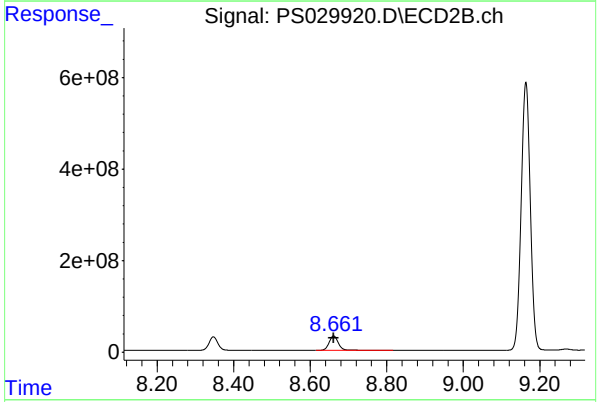
#9 2,4-D

R.T.: 8.020 min
Delta R.T.: 0.000 min
Response: 1315035111
Conc: 478.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

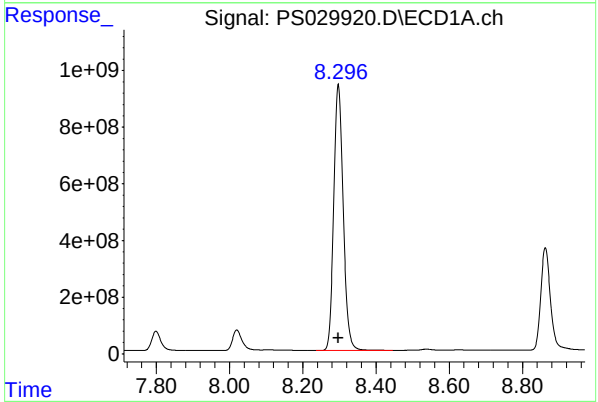
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



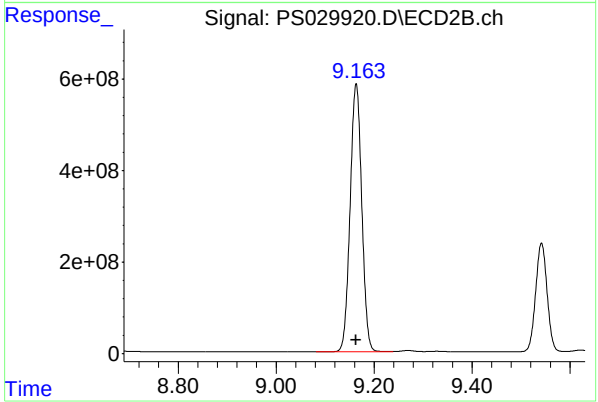
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 523223015
Conc: 474.74 ng/ml



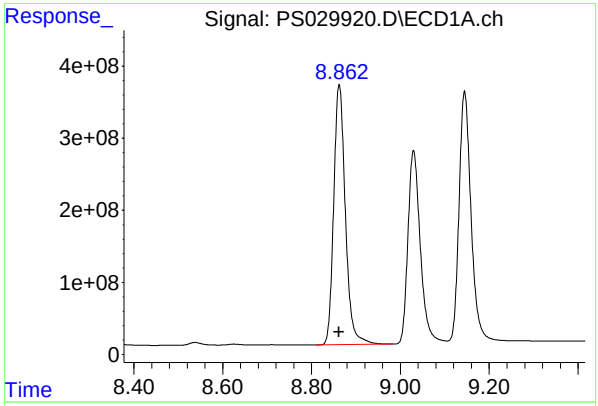
#10 Pentachlorophenol

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 16887638820
Conc: 483.73 ng/ml



#10 Pentachlorophenol

R.T.: 9.164 min
Delta R.T.: 0.000 min
Response: 9661508840
Conc: 476.54 ng/ml



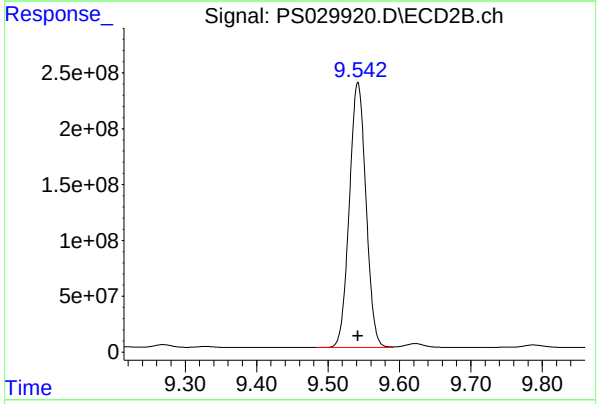
#11 2,4,5-TP (SILVEX)

R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 6584545232
Conc: 482.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

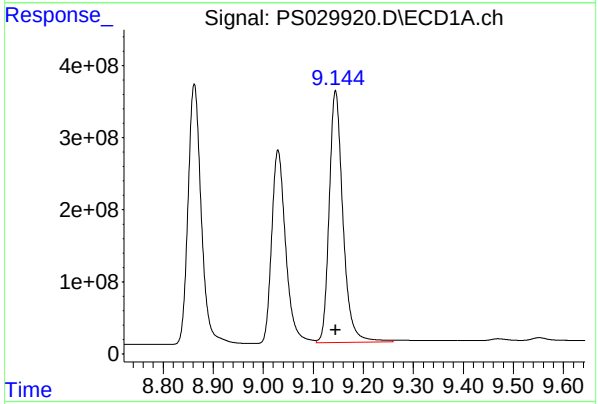
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



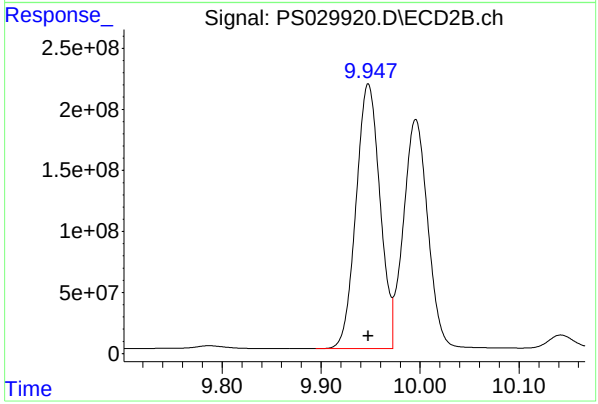
#11 2,4,5-TP (SILVEX)

R.T.: 9.542 min
Delta R.T.: 0.000 min
Response: 3838568800
Conc: 475.11 ng/ml



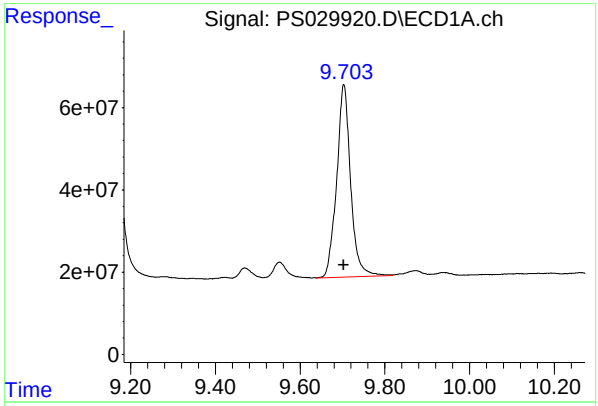
#12 2,4,5-T

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 6674392581
Conc: 482.99 ng/ml



#12 2,4,5-T

R.T.: 9.948 min
Delta R.T.: 0.000 min
Response: 3641908671
Conc: 476.22 ng/ml



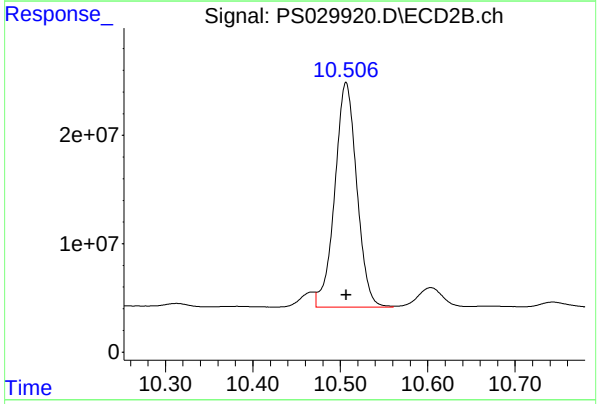
#13 2,4-DB

R.T.: 9.703 min
Delta R.T.: 0.000 min
Response: 1071085603
Conc: 478.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

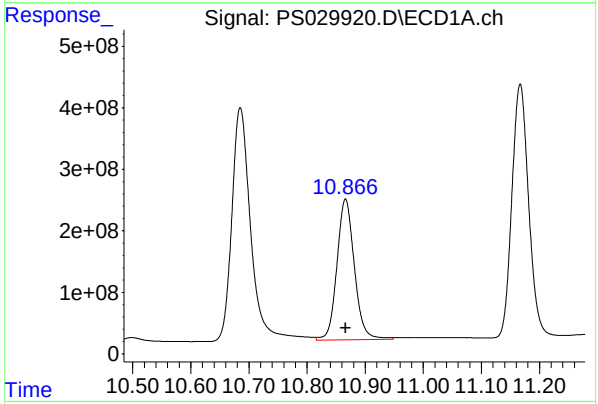
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



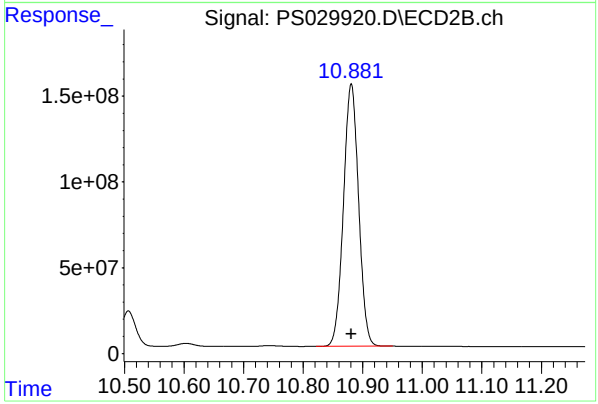
#13 2,4-DB

R.T.: 10.507 min
Delta R.T.: 0.000 min
Response: 362659677
Conc: 465.16 ng/ml



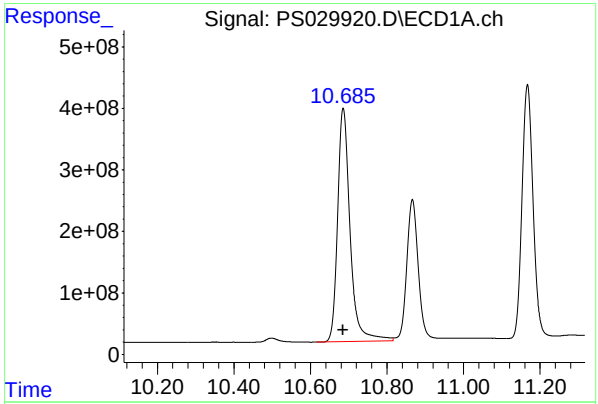
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 4764255395
Conc: 475.55 ng/ml



#14 DINOSEB

R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 2699322247
Conc: 471.42 ng/ml



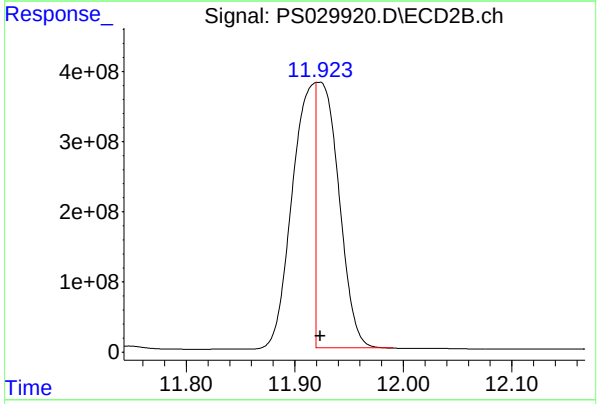
#15 Picloram

R.T.: 10.685 min
Delta R.T.: 0.000 mi
Response: 8585191140
Conc: 477.89 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

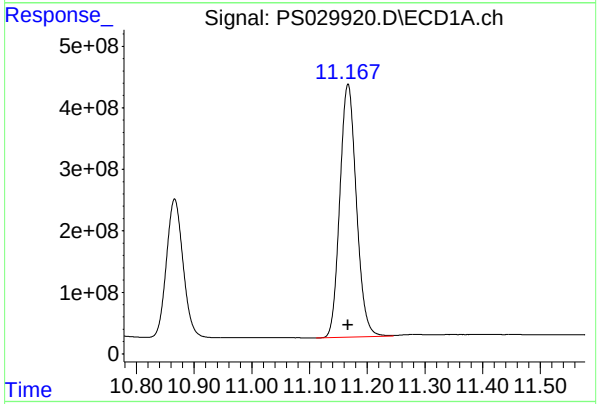
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



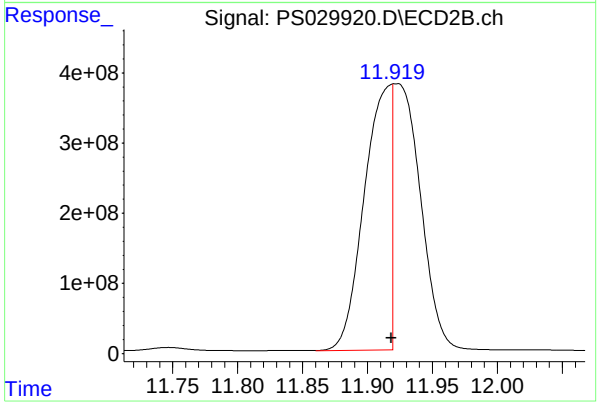
#15 Picloram

R.T.: 11.923 min
Delta R.T.: 0.000 min
Response: 5454177256
Conc: 452.16 ng/ml m



#16 DCPA

R.T.: 11.167 min
Delta R.T.: 0.000 min
Response: 8208335626
Conc: 488.03 ng/ml



#16 DCPA

R.T.: 11.919 min
Delta R.T.: 0.000 min
Response: 5573532100
Conc: 495.90 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:49
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:13:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.942	7.467	1757.3E6	512.1E6	750.000	750.000
	Target Compounds						
1) T	Dalapon	2.449	2.525	2731.3E6	1134.3E6	682.500	682.500
2) T	3,5-DICHL...	6.146	6.463	2388.4E6	661.4E6	697.500	697.500
3) T	4-Nitroph...	6.732	7.001	1166.0E6	503.1E6	682.500	682.500
5) T	DICAMBA	7.118	7.653	6781.5E6	2750.1E6	705.000	705.000
6) T	MCPP	7.297	7.761	456.6E6	126.0E6	70.500	70.500
7) T	MCPA	7.440	7.991	606.7E6	160.7E6	69.750	69.750
8) T	DICHLORPROP	7.799	8.348	1701.9E6	685.3E6	705.000	705.000
9) T	2,4-D	8.019	8.661	1900.5E6	769.2E6	705.000	705.000
10) T	Pentachlo...	8.297	9.163	24416.7E6	14398.4E6	712.500	712.500
11) T	2,4,5-TP ...	8.862	9.542	9569.8E6	5755.2E6	712.500	712.500
12) T	2,4,5-T	9.144	9.947	9680.3E6	5434.8E6	712.500	712.500
13) T	2,4-DB	9.703	10.507	1582.3E6	567.0E6	712.500	712.500
14) T	DINOSEB	10.866	10.881	6979.6E6	4024.5E6	705.000	705.000
15) T	Picloram	10.685	11.920	12721.8E6	8674.9E6	712.500	724.031m
16) T	DCPA	11.166	11.918	11907.4E6	8089.3E6	720.000	728.090m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:49
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

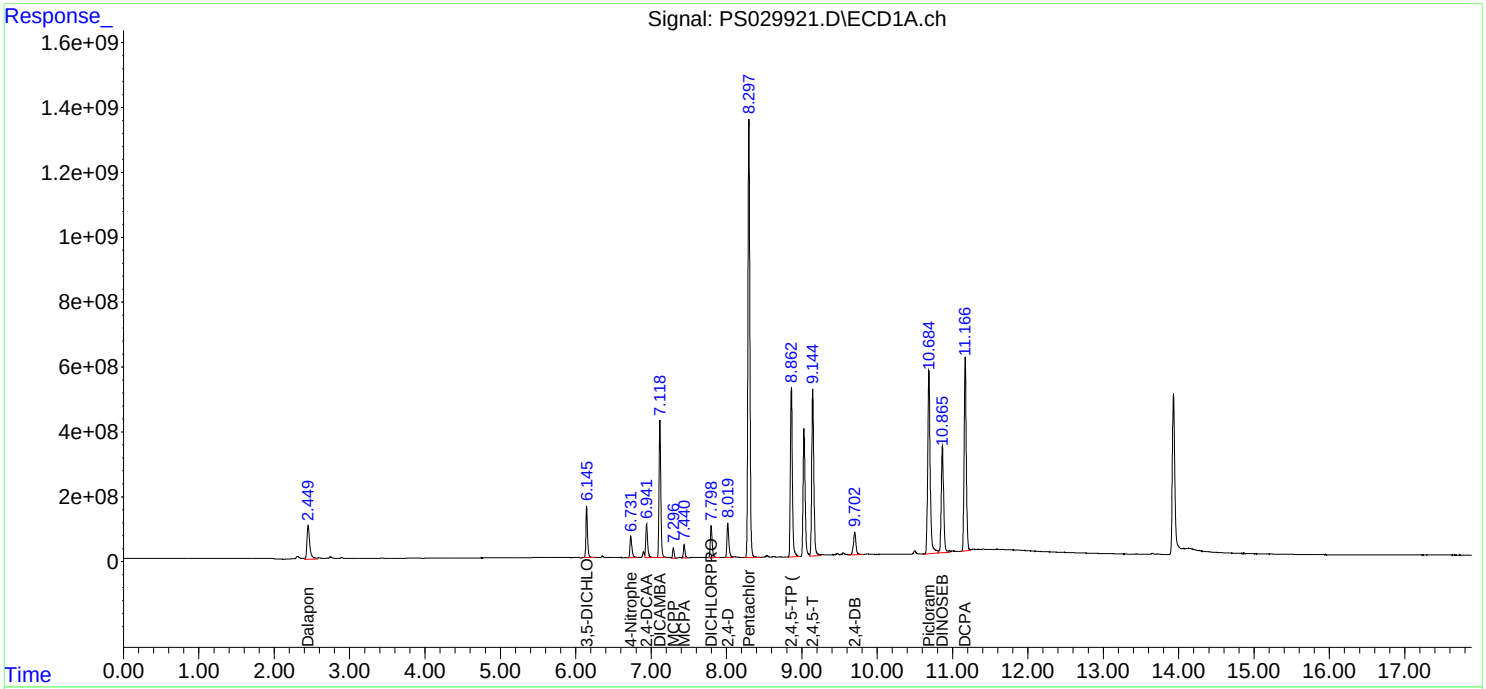
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

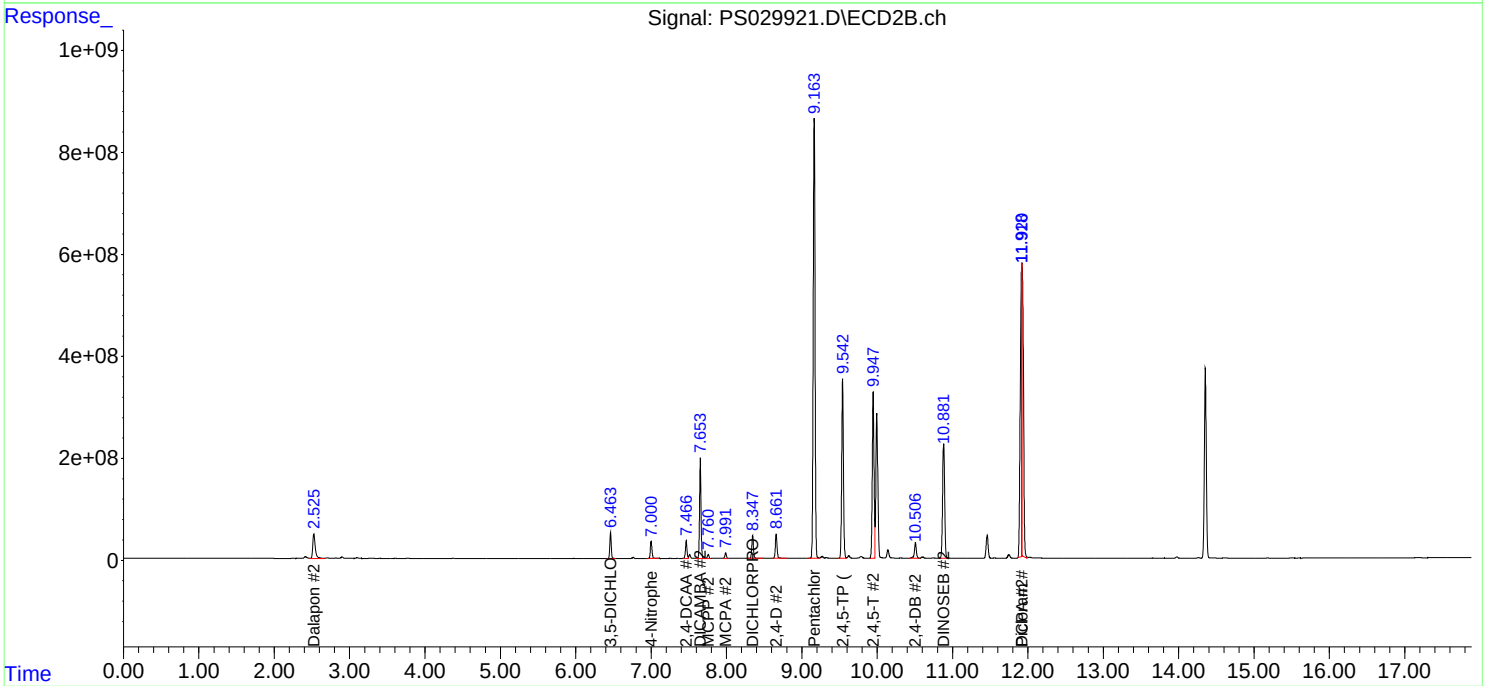
Manual Integrations APPROVED

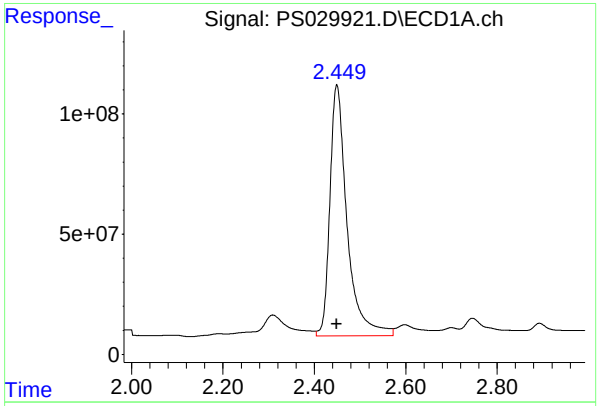
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:13:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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







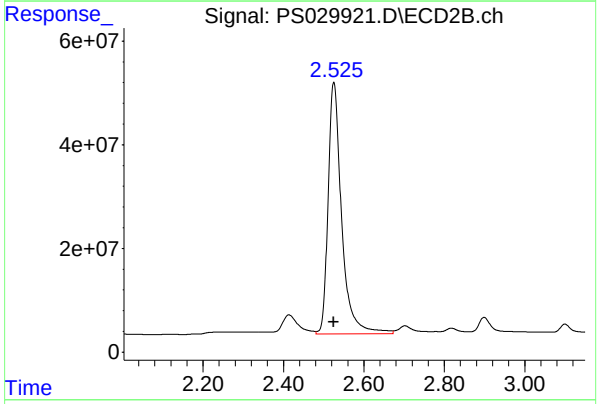
#1 Dalapon

R.T.: 2.449 min
Delta R.T.: 0.000 min
Response: 2731274284
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

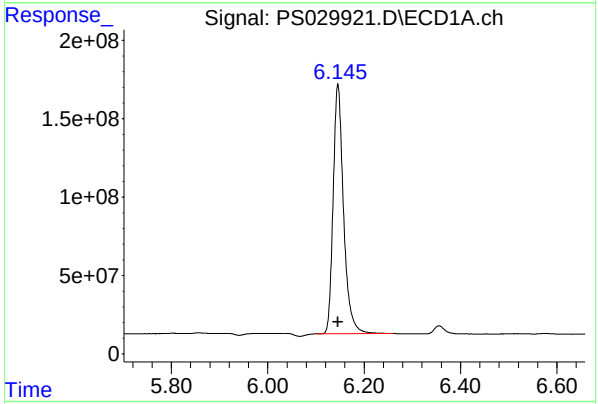
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



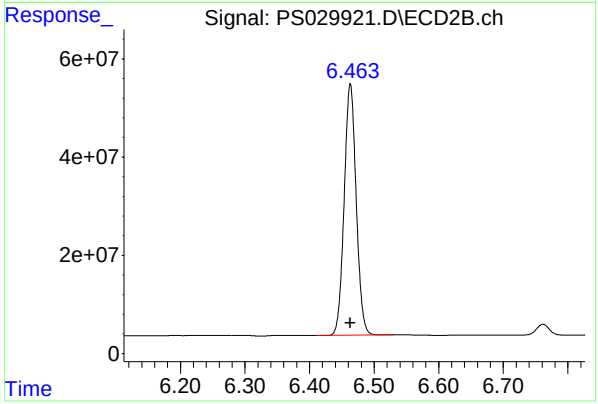
#1 Dalapon

R.T.: 2.525 min
Delta R.T.: 0.000 min
Response: 1134264471
Conc: 682.50 ng/ml



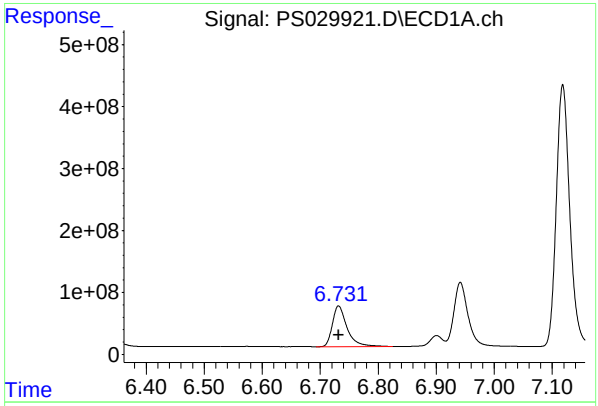
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.146 min
Delta R.T.: 0.000 min
Response: 2388375809
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 661411771
Conc: 697.50 ng/ml



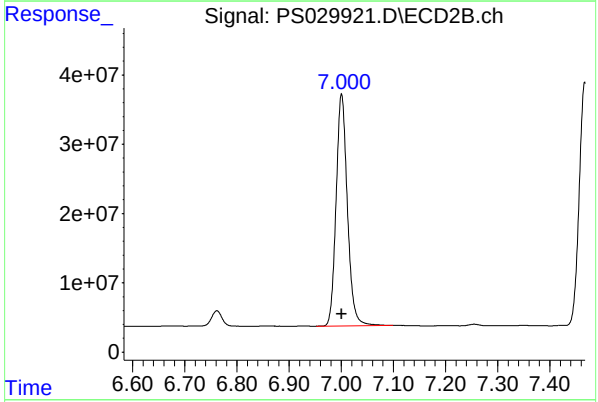
#3 4-Nitrophenol

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 1165994997
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

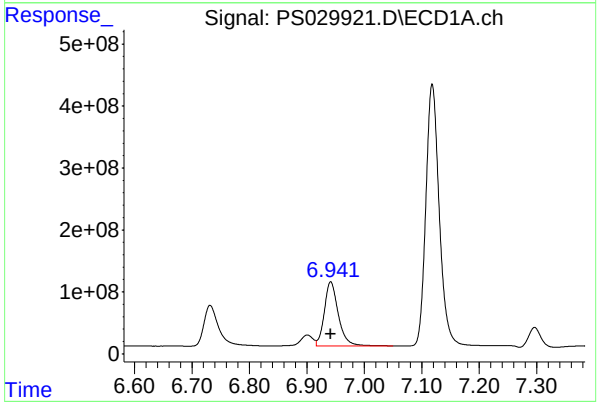
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



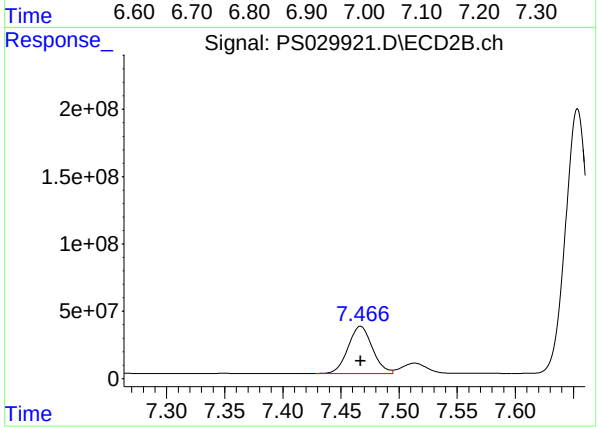
#3 4-Nitrophenol

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 503078374
Conc: 682.50 ng/ml



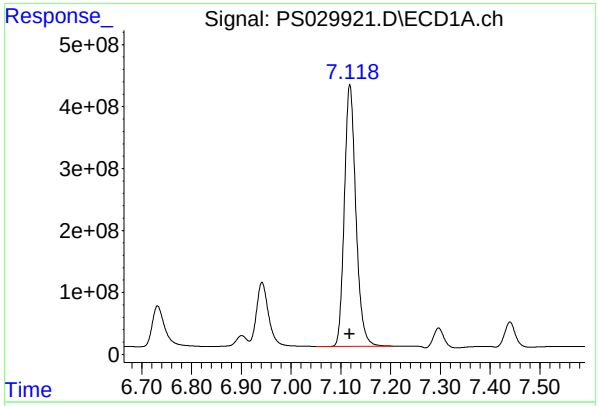
#4 2,4-DCAA

R.T.: 6.942 min
Delta R.T.: 0.000 min
Response: 1757314349
Conc: 750.00 ng/ml



#4 2,4-DCAA

R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 512143835
Conc: 750.00 ng/ml



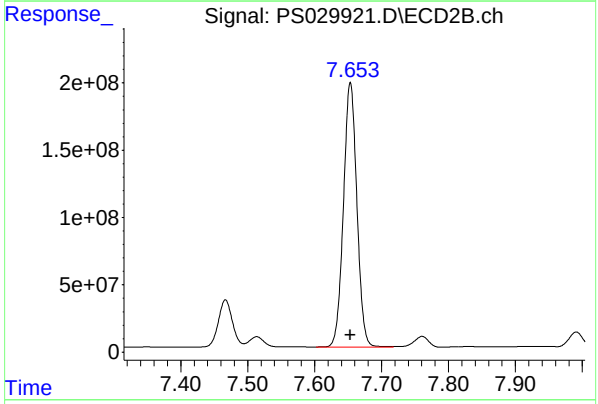
#5 DICAMBA

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 6781538346
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

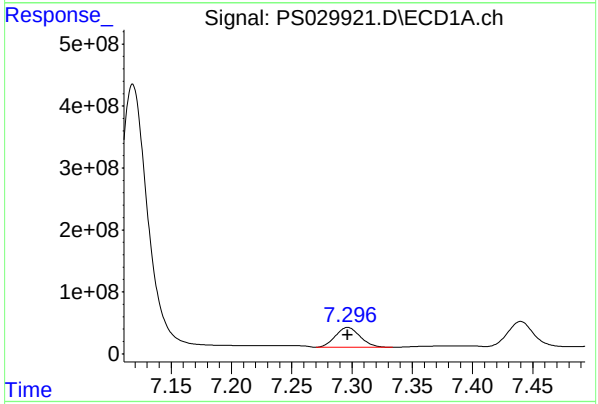
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



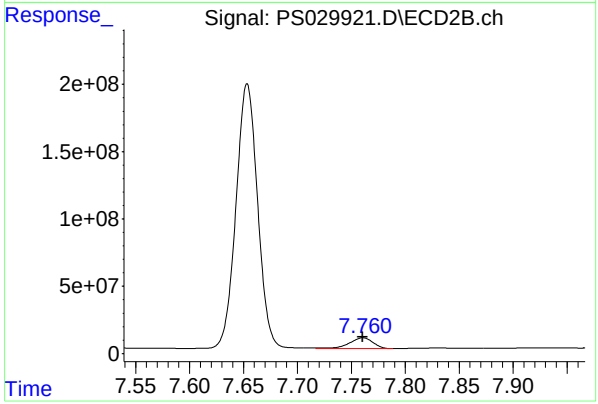
#5 DICAMBA

R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 2750105949
Conc: 705.00 ng/ml



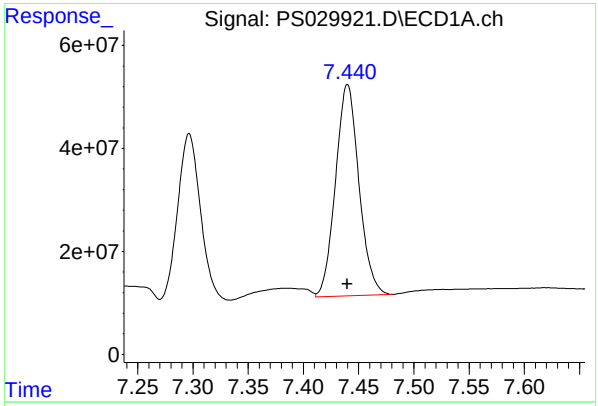
#6 MCPP

R.T.: 7.297 min
Delta R.T.: 0.000 min
Response: 456554341
Conc: 70.50 ug/ml



#6 MCPP

R.T.: 7.761 min
Delta R.T.: 0.000 min
Response: 126016285
Conc: 70.50 ug/ml



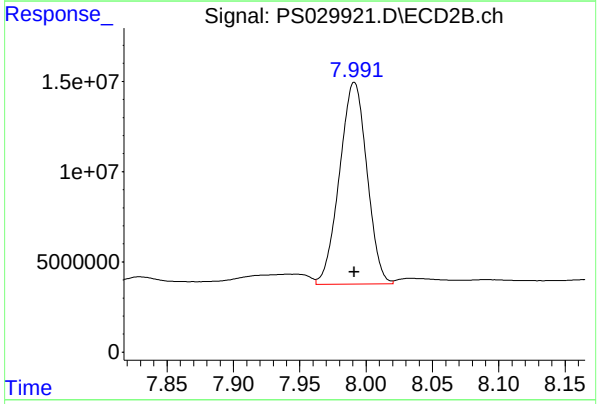
#7 MCPA

R.T.: 7.440 min
Delta R.T.: 0.000 min
Response: 606675377
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

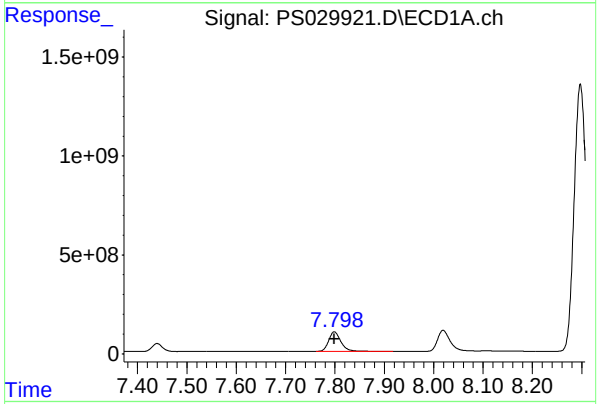
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



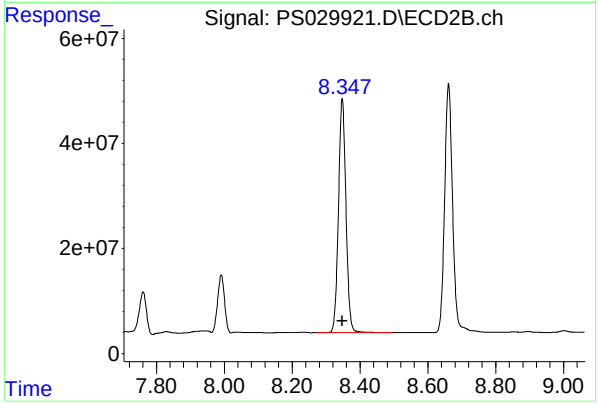
#7 MCPA

R.T.: 7.991 min
Delta R.T.: 0.000 min
Response: 160659432
Conc: 69.75 ug/ml



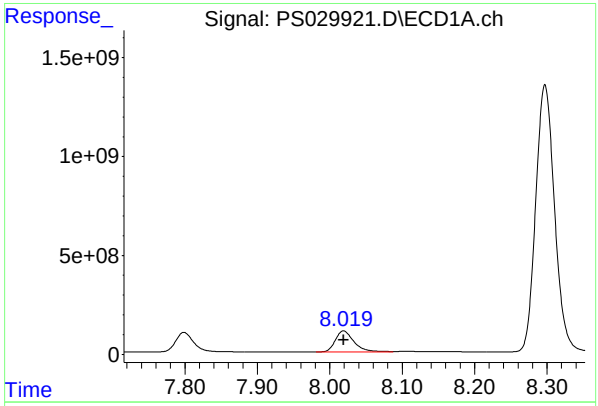
#8 DICHLORPROP

R.T.: 7.799 min
Delta R.T.: 0.000 min
Response: 1701892611
Conc: 705.00 ng/ml



#8 DICHLORPROP

R.T.: 8.348 min
Delta R.T.: 0.000 min
Response: 685337493
Conc: 705.00 ng/ml



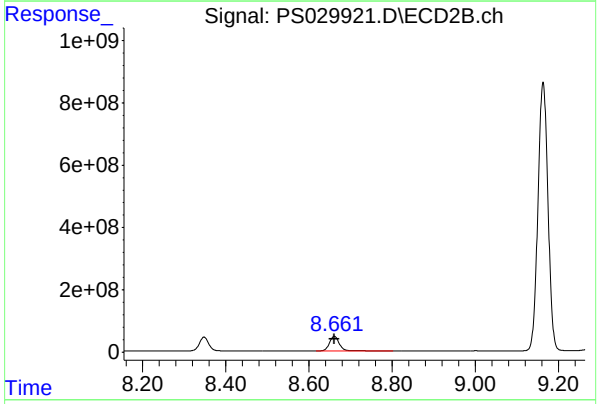
#9 2,4-D

R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 1900496204
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

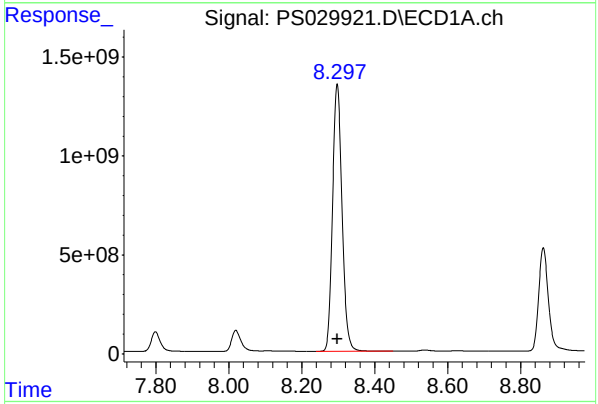
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



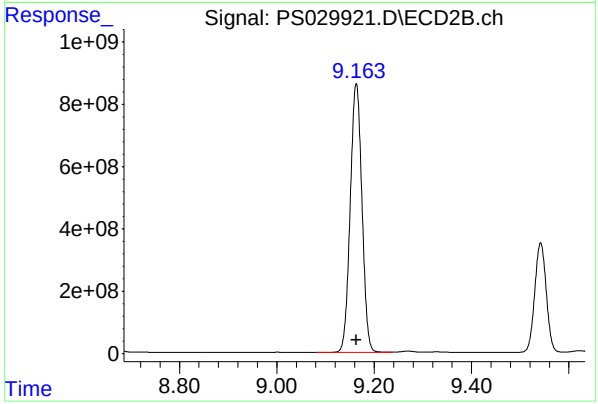
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 769155125
Conc: 705.00 ng/ml



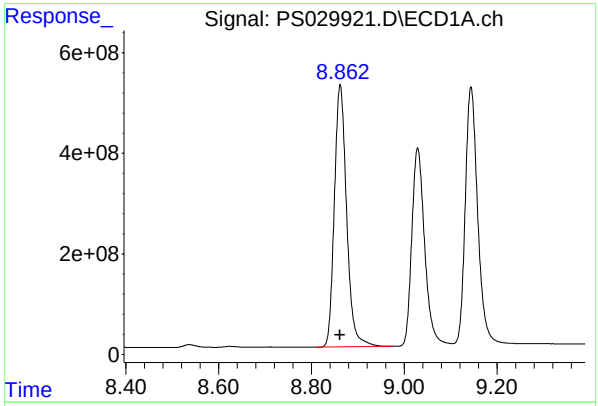
#10 Pentachlorophenol

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 24416691751
Conc: 712.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.163 min
Delta R.T.: 0.000 min
Response: 14398444463
Conc: 712.50 ng/ml



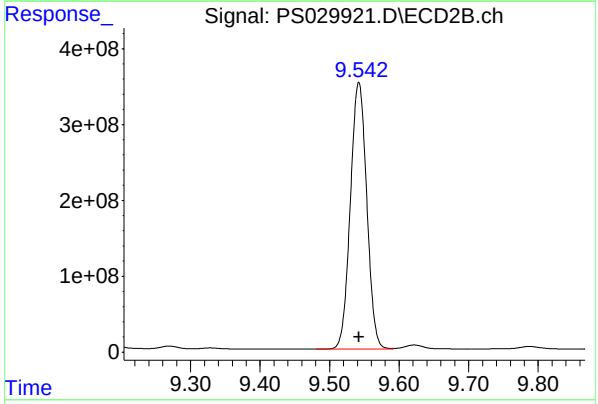
#11 2,4,5-TP (SILVEX)

R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 9569830576
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

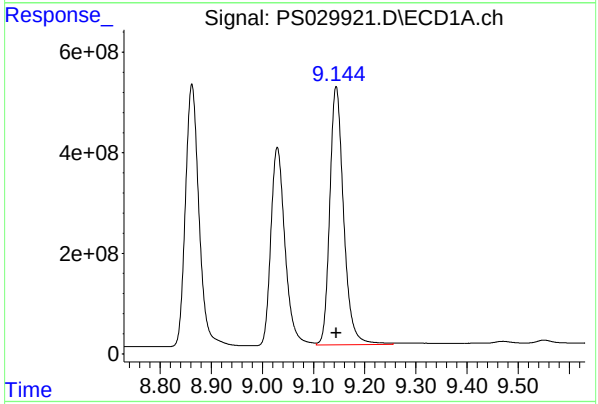
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



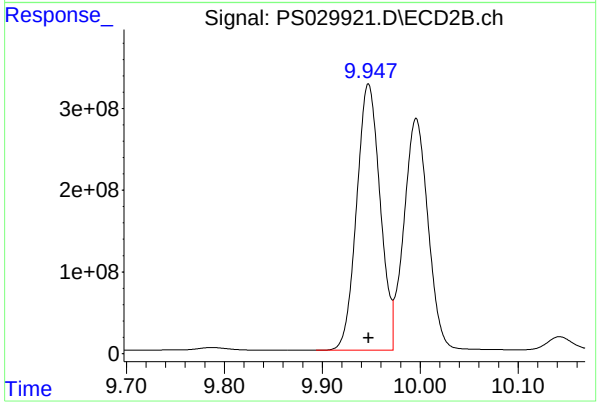
#11 2,4,5-TP (SILVEX)

R.T.: 9.542 min
Delta R.T.: 0.000 min
Response: 5755245929
Conc: 712.50 ng/ml



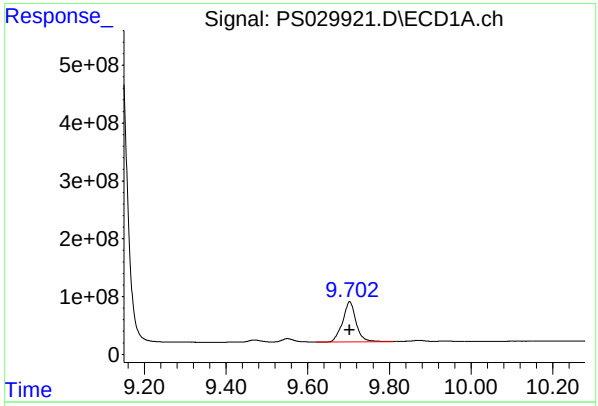
#12 2,4,5-T

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 9680261593
Conc: 712.50 ng/ml



#12 2,4,5-T

R.T.: 9.947 min
Delta R.T.: 0.000 min
Response: 5434774786
Conc: 712.50 ng/ml



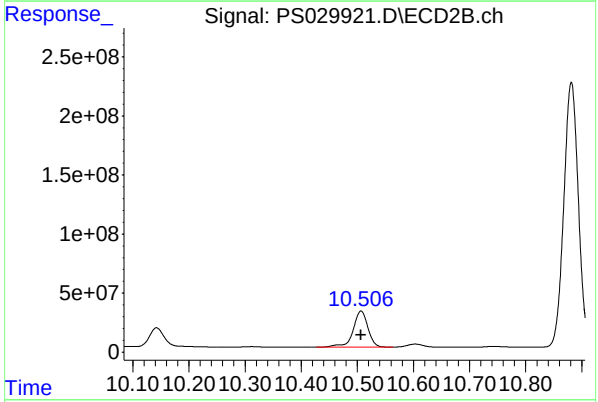
#13 2,4-DB

R.T.: 9.703 min
Delta R.T.: 0.000 min
Response: 1582337187
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

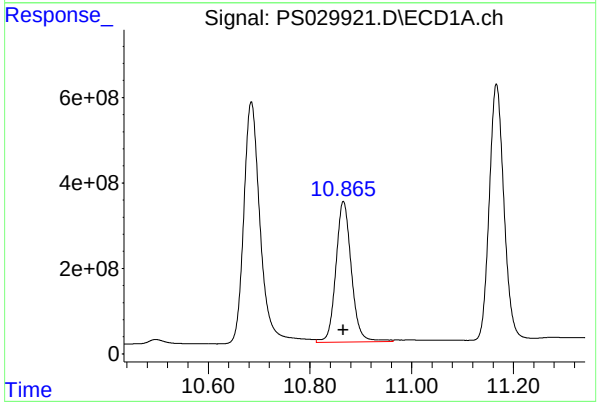
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



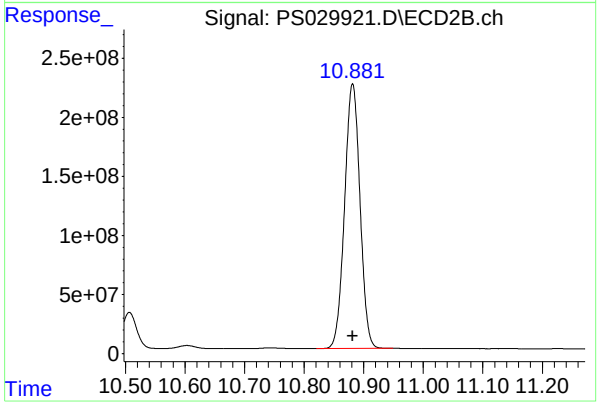
#13 2,4-DB

R.T.: 10.507 min
Delta R.T.: 0.000 min
Response: 567000464
Conc: 712.50 ng/ml



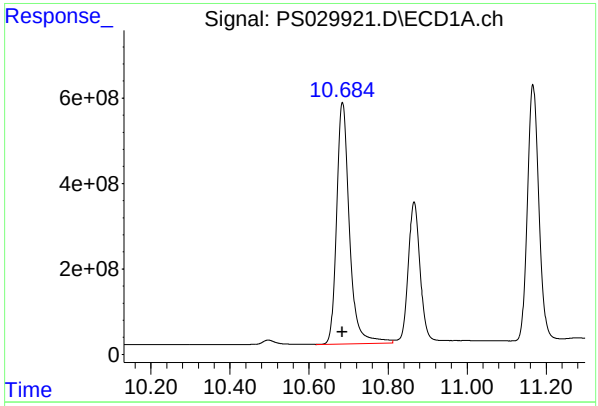
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 6979616298
Conc: 705.00 ng/ml



#14 DINOSEB

R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 4024544896
Conc: 705.00 ng/ml



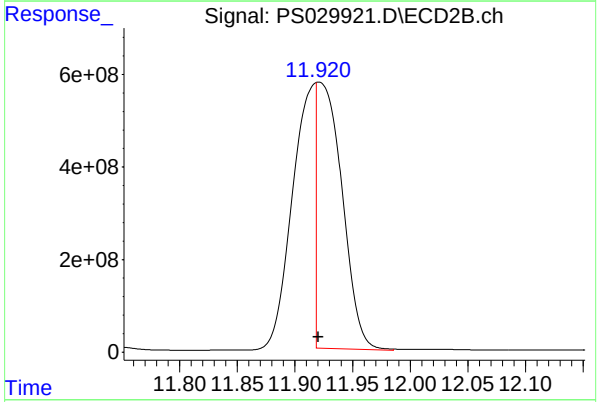
#15 Picloram

R.T.: 10.685 min
Delta R.T.: 0.000 min
Response: 12721770760
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

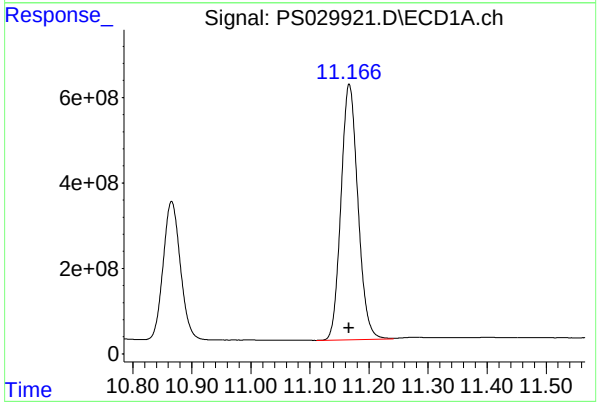
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



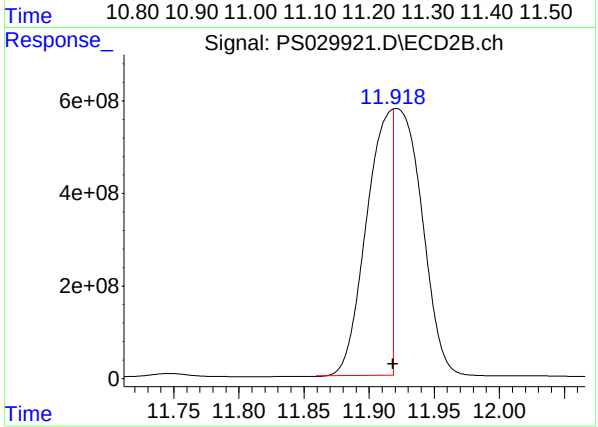
#15 Picloram

R.T.: 11.920 min
Delta R.T.: 0.000 min
Response: 8674908222
Conc: 724.03 ng/ml m



#16 DCPA

R.T.: 11.166 min
Delta R.T.: 0.000 min
Response: 11907371025
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 8089285607
Conc: 728.09 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:13
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:41:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.941	7.466	2233.7E6	662.0E6	886.503	930.792
		Target Compounds						
1)	T	Dalapon	2.448	2.524	3459.2E6	1450.3E6	829.350	821.672
2)	T	3,5-DICHL...	6.145	6.463	3047.9E6	855.5E6	835.452	867.026
3)	T	4-Nitroph...	6.731	7.000	1500.3E6	650.1E6	830.199	840.006
5)	T	DICAMBA	7.118	7.652	8709.4E6	3622.0E6	866.580	923.531
6)	T	MCPP	7.297	7.761	613.1E6	163.4E6	97.394	94.159
7)	T	MCPA	7.440	7.992	802.4E6	212.9E6	91.664	89.703
8)	T	DICHLORPROP	7.798	8.347	2167.0E6	881.3E6	837.398	868.054
9)	T	2,4-D	8.018	8.661	2435.4E6	991.5E6	849.738	870.102
10)	T	Pentachlo...	8.297	9.163	31038.8E6	18517.9E6	864.019	901.215
11)	T	2,4,5-TP ...	8.862	9.542	12264.9E6	7478.1E6	869.588	909.959
12)	T	2,4,5-T	9.144	9.947	12428.5E6	7054.1E6	868.738	903.059
13)	T	2,4-DB	9.702	10.506	2059.3E6	737.5E6	896.524	916.649
14)	T	DINOSEB	10.866	10.881	8807.7E6	5194.8E6	849.671	883.604
15)	T	Picloram	10.685	11.920	16510.1E6	11094.8E6	892.660	889.281m
16)	T	DCPA	11.166	11.918	15201.9E6	10311.4E6	876.317	906.507m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:13
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

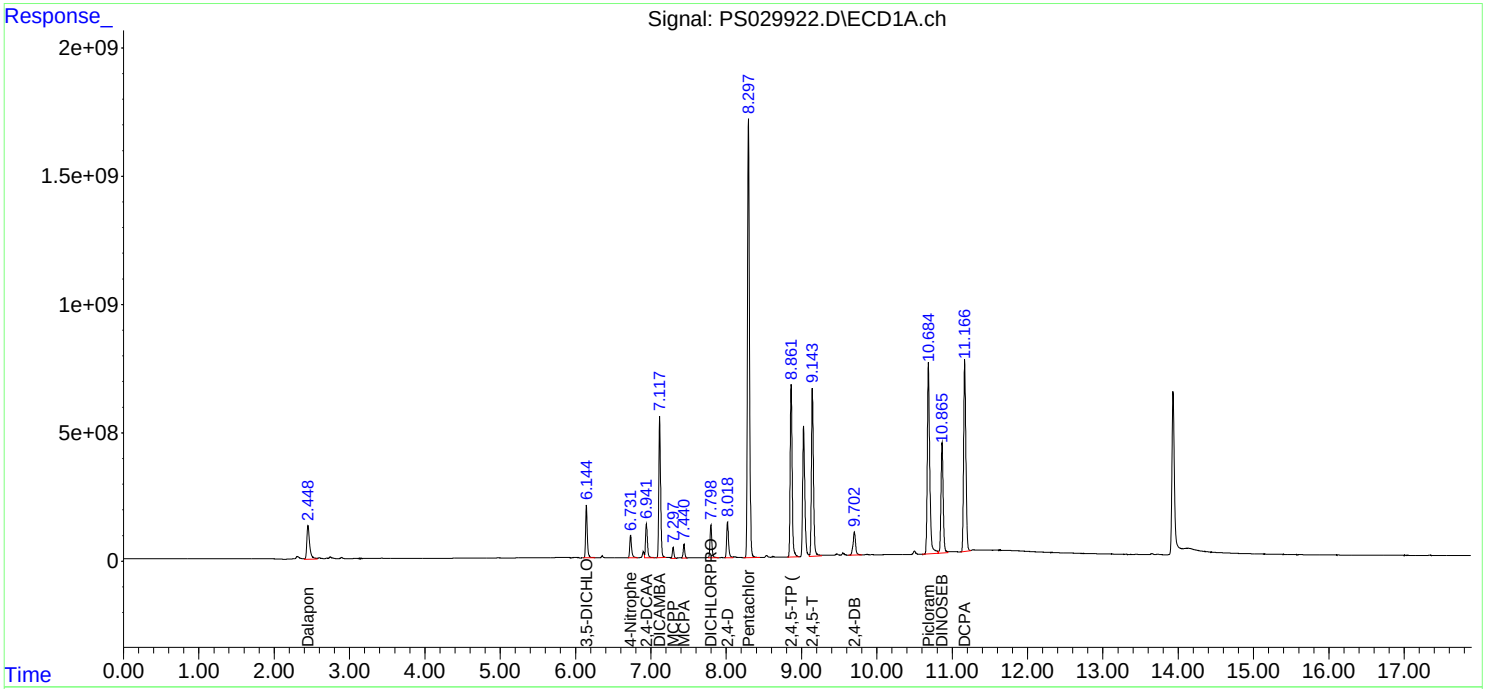
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

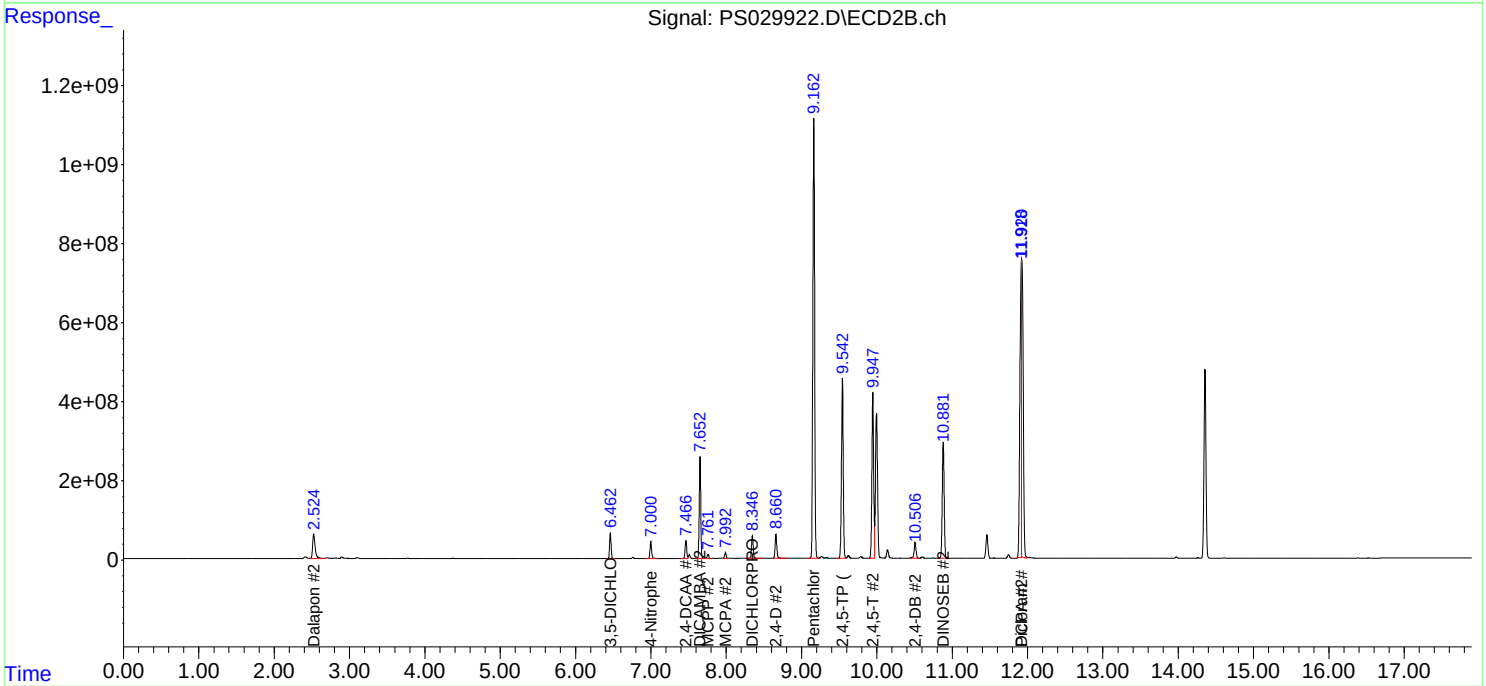
Manual Integrations APPROVED

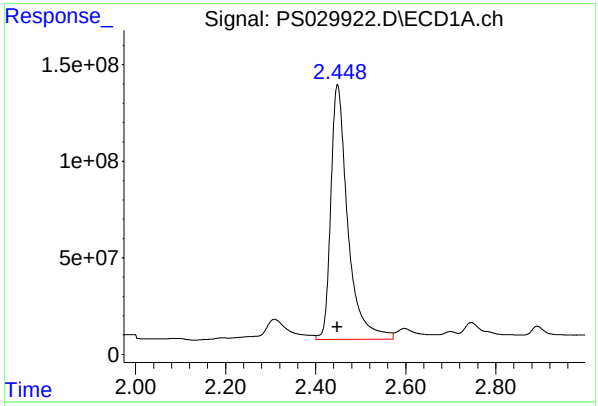
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:41:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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







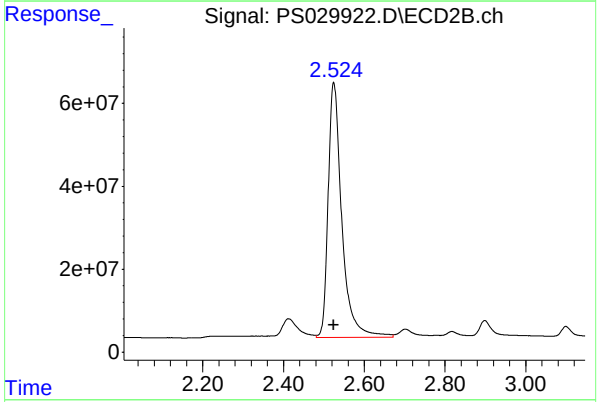
#1 Dalapon

R.T.: 2.448 min
Delta R.T.: 0.000 min
Response: 3459192542
Conc: 829.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

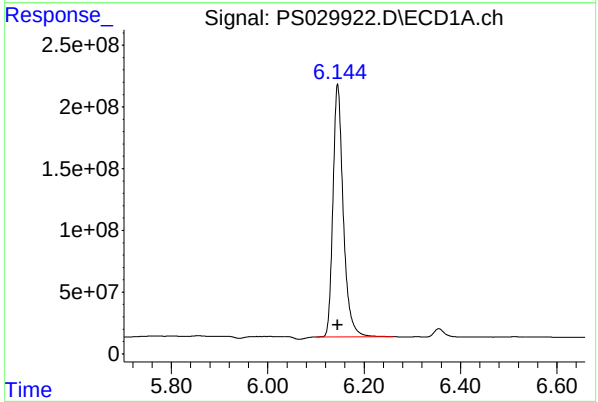
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



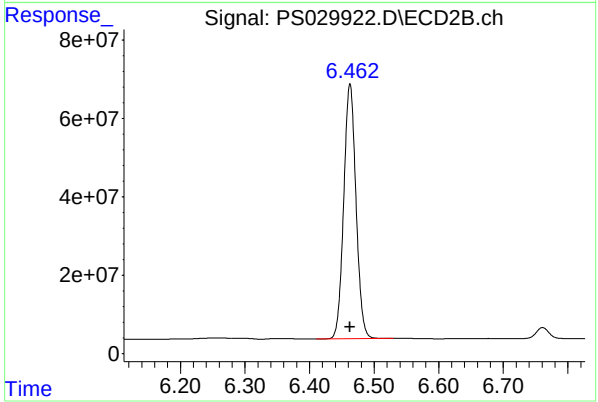
#1 Dalapon

R.T.: 2.524 min
Delta R.T.: 0.000 min
Response: 1450275646
Conc: 821.67 ng/ml



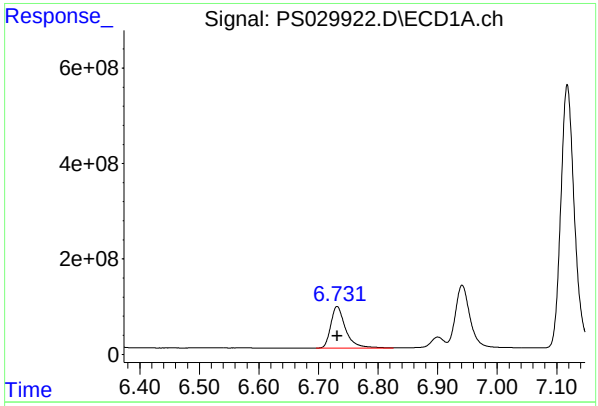
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.145 min
Delta R.T.: 0.000 min
Response: 3047853600
Conc: 835.45 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 855462143
Conc: 867.03 ng/ml



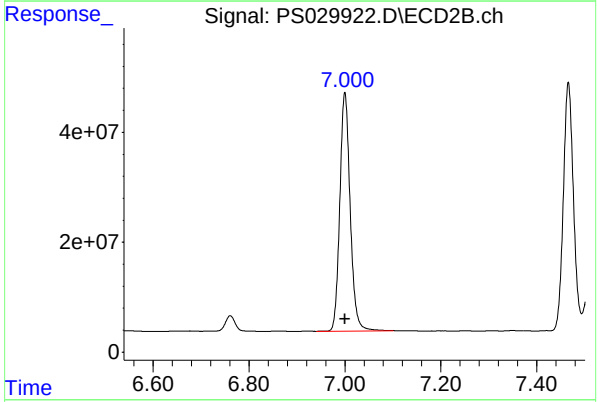
#3 4-Nitrophenol

R.T.: 6.731 min
Delta R.T.: 0.000 min
Response: 1500313179
Conc: 830.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

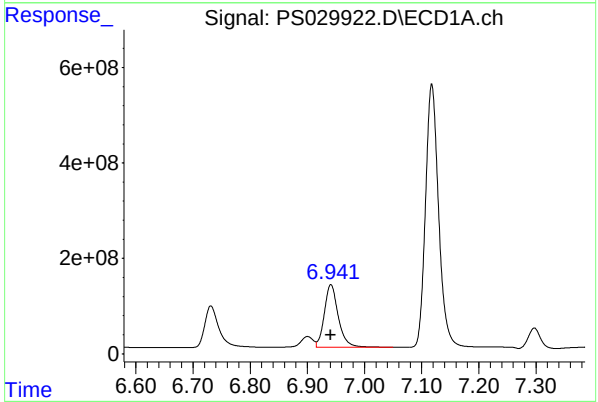
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



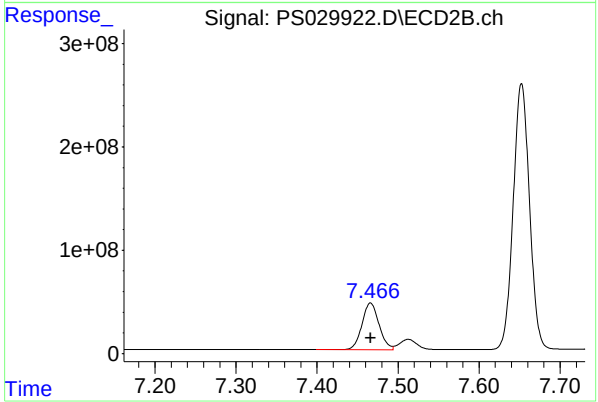
#3 4-Nitrophenol

R.T.: 7.000 min
Delta R.T.: 0.000 min
Response: 650145921
Conc: 840.01 ng/ml



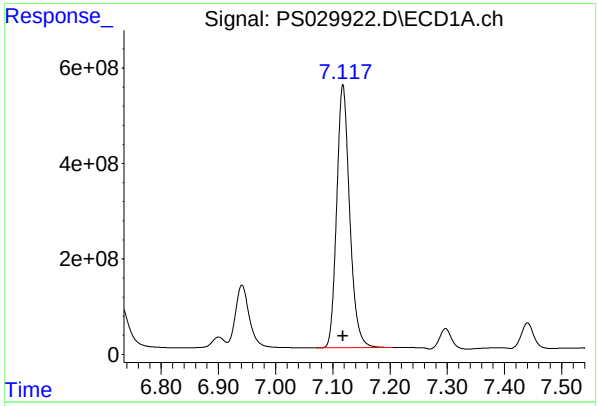
#4 2,4-DCAA

R.T.: 6.941 min
Delta R.T.: 0.000 min
Response: 2233667943
Conc: 886.50 ng/ml



#4 2,4-DCAA

R.T.: 7.466 min
Delta R.T.: 0.000 min
Response: 661990920
Conc: 930.79 ng/ml



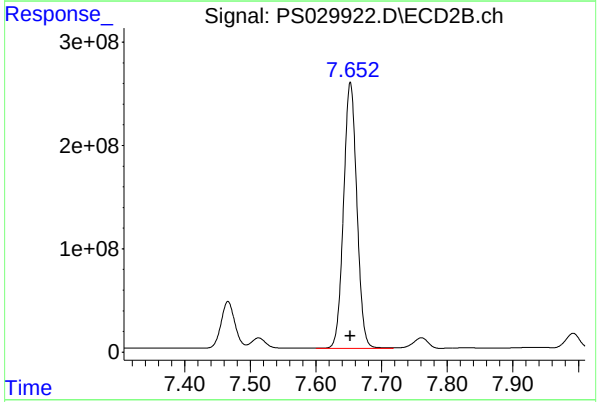
#5 DICAMBA

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 8709449271
Conc: 866.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

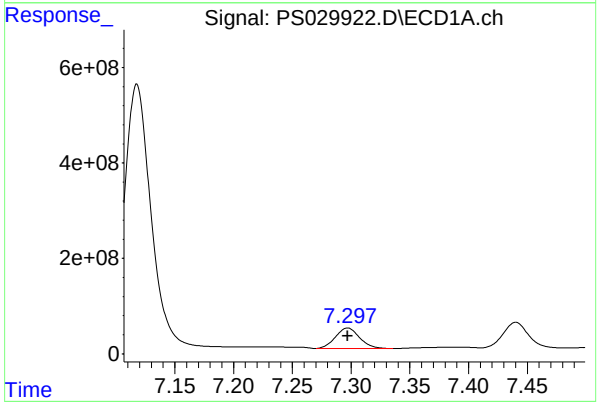
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



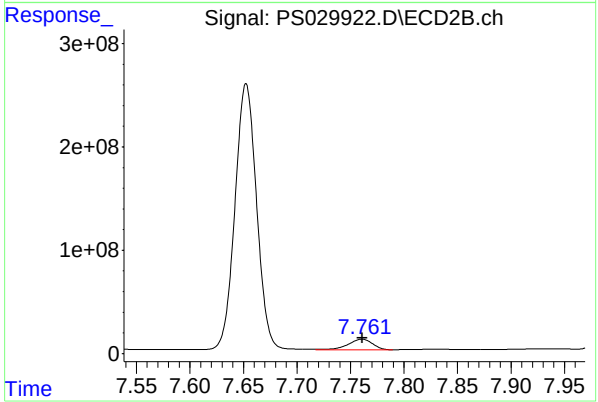
#5 DICAMBA

R.T.: 7.652 min
Delta R.T.: 0.000 min
Response: 3622048735
Conc: 923.53 ng/ml



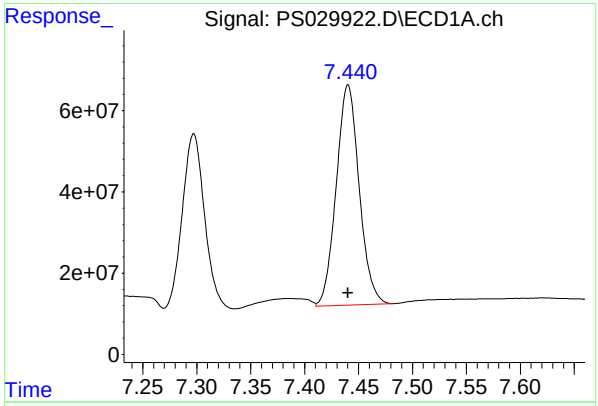
#6 MCPP

R.T.: 7.297 min
Delta R.T.: 0.000 min
Response: 613146849
Conc: 97.39 ug/ml



#6 MCPP

R.T.: 7.761 min
Delta R.T.: 0.000 min
Response: 163368164
Conc: 94.16 ug/ml



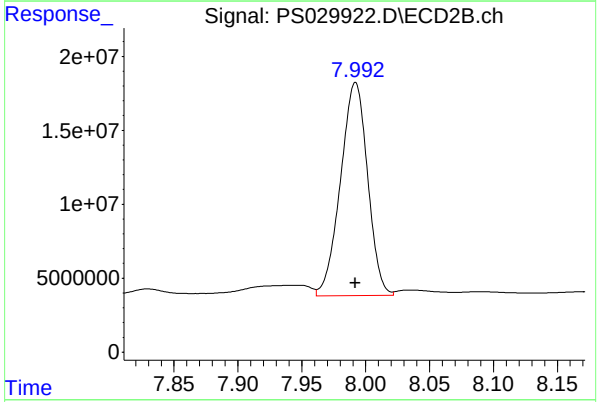
#7 MCPA

R.T.: 7.440 min
Delta R.T.: 0.000 min
Response: 802417459
Conc: 91.66 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

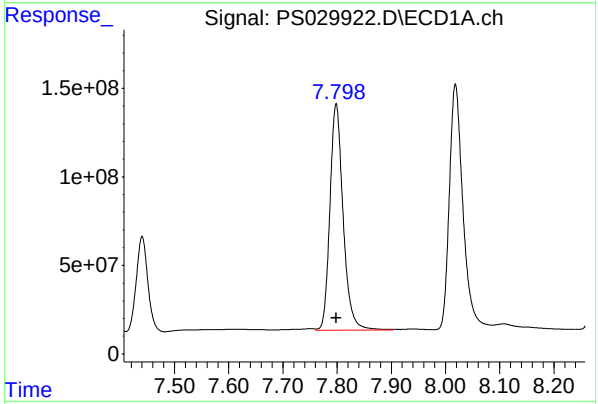
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



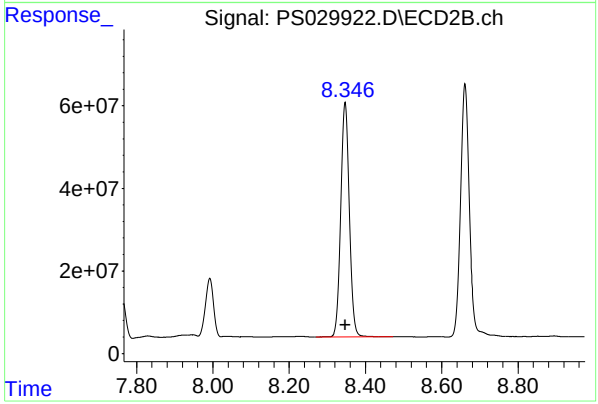
#7 MCPA

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 212857828
Conc: 89.70 ug/ml



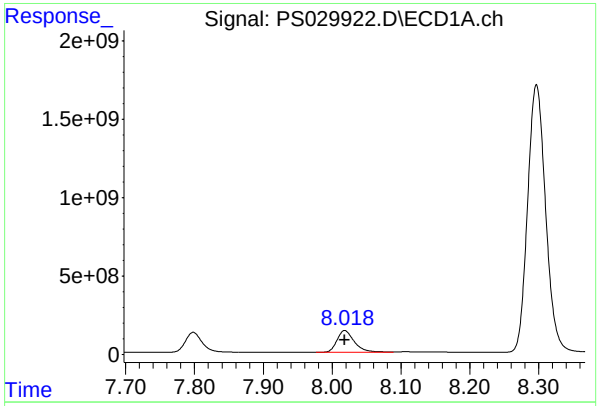
#8 DICHLORPROP

R.T.: 7.798 min
Delta R.T.: 0.000 min
Response: 2167004704
Conc: 837.40 ng/ml



#8 DICHLORPROP

R.T.: 8.347 min
Delta R.T.: 0.000 min
Response: 881253779
Conc: 868.05 ng/ml



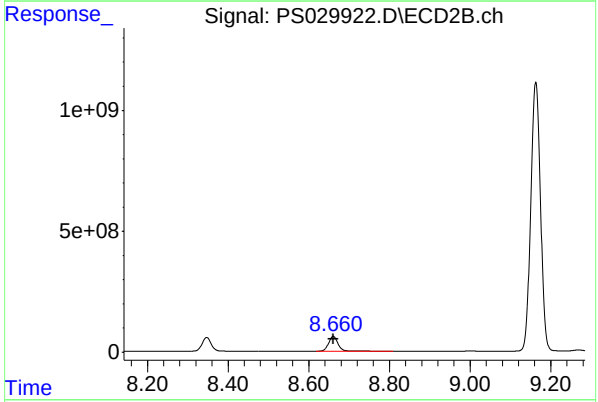
#9 2,4-D

R.T.: 8.018 min
Delta R.T.: 0.000 min
Response: 2435353652
Conc: 849.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

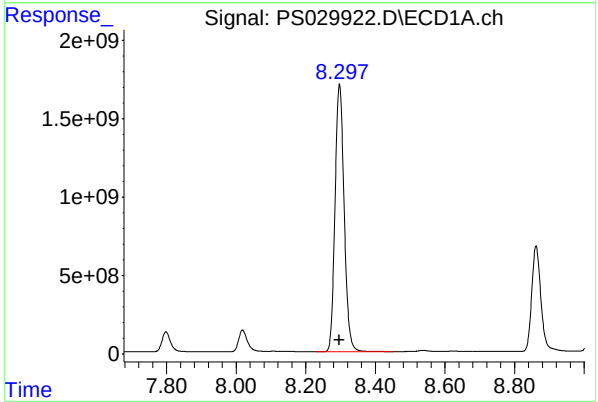
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



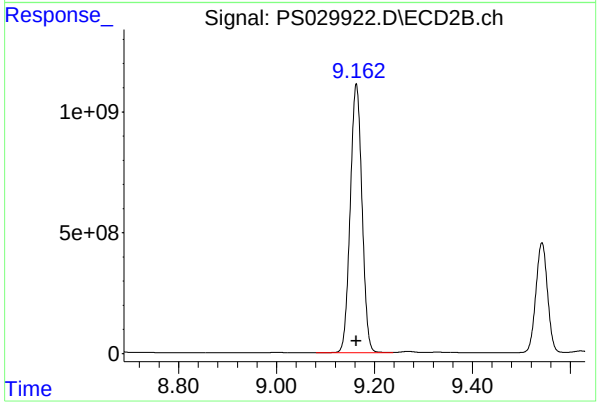
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 991509756
Conc: 870.10 ng/ml



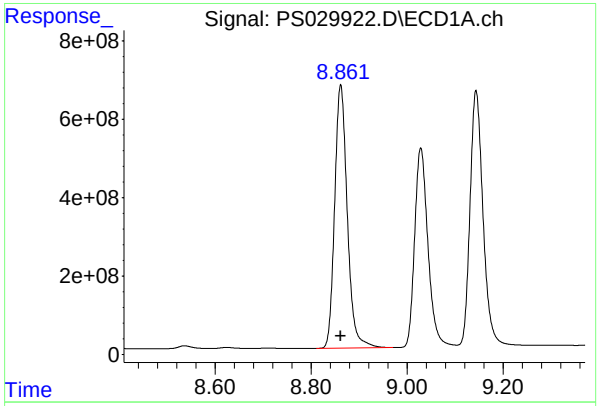
#10 Pentachlorophenol

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 31038781576
Conc: 864.02 ng/ml



#10 Pentachlorophenol

R.T.: 9.163 min
Delta R.T.: 0.000 min
Response: 18517872387
Conc: 901.22 ng/ml



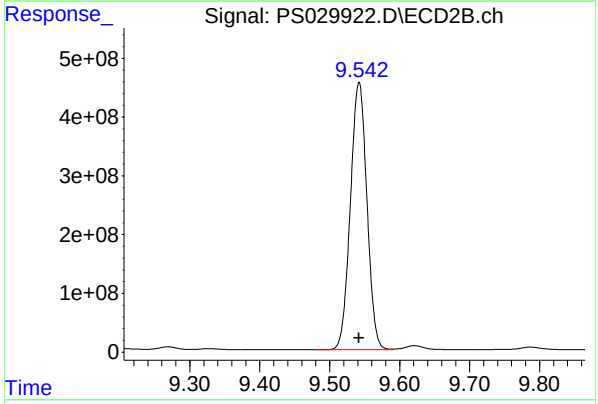
#11 2,4,5-TP (SILVEX)

R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 12264939701
Conc: 869.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

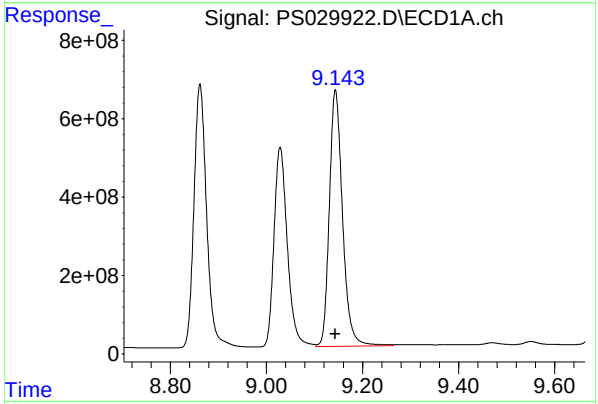
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



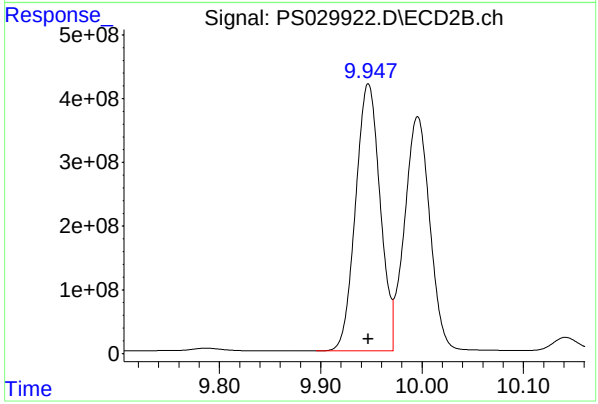
#11 2,4,5-TP (SILVEX)

R.T.: 9.542 min
Delta R.T.: 0.000 min
Response: 7478086402
Conc: 909.96 ng/ml



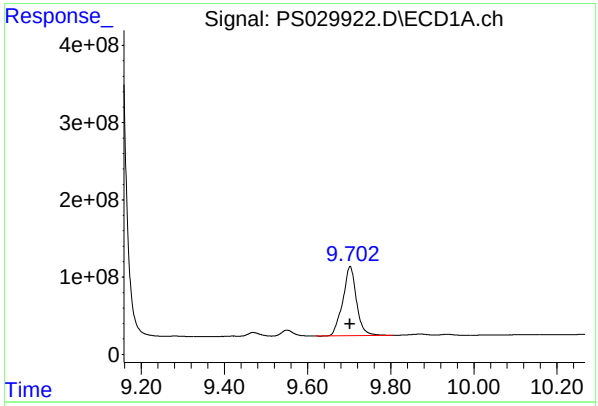
#12 2,4,5-T

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 12428516949
Conc: 868.74 ng/ml



#12 2,4,5-T

R.T.: 9.947 min
Delta R.T.: 0.000 min
Response: 7054117355
Conc: 903.06 ng/ml



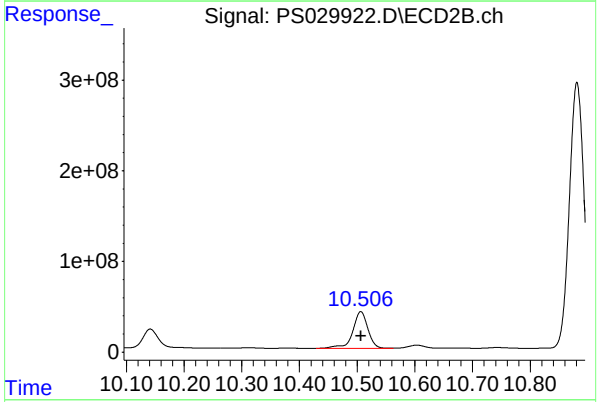
#13 2,4-DB

R.T.: 9.702 min
Delta R.T.: 0.000 min
Response: 2059257414
Conc: 896.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

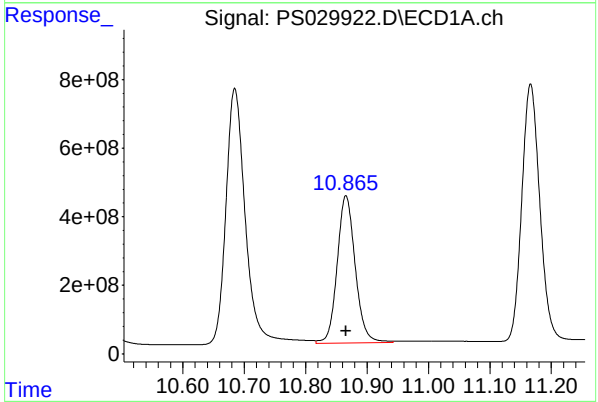
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



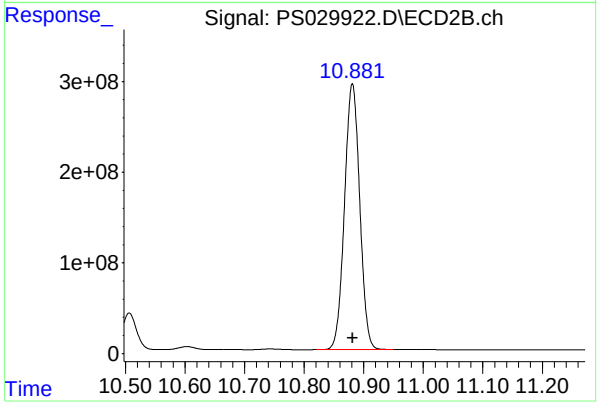
#13 2,4-DB

R.T.: 10.506 min
Delta R.T.: 0.000 min
Response: 737501651
Conc: 916.65 ng/ml



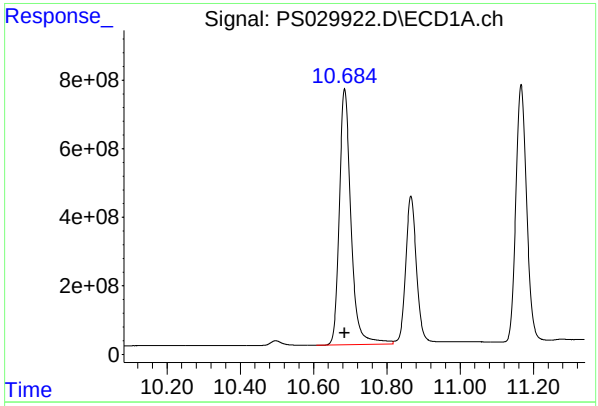
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 8807749773
Conc: 849.67 ng/ml



#14 DINOSEB

R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 5194780641
Conc: 883.60 ng/ml



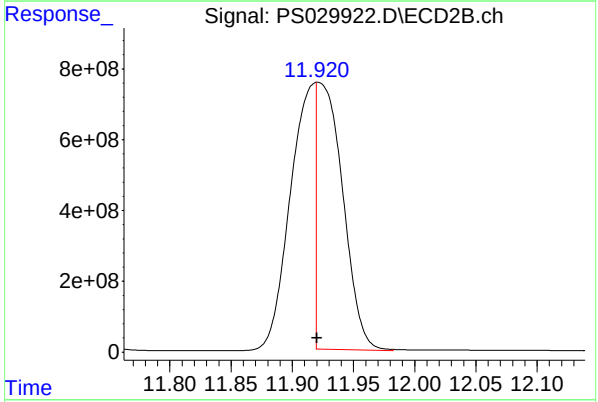
#15 Picloram

R.T.: 10.685 min
Delta R.T.: 0.000 mi
Response: 16510101945
Conc: 892.66 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

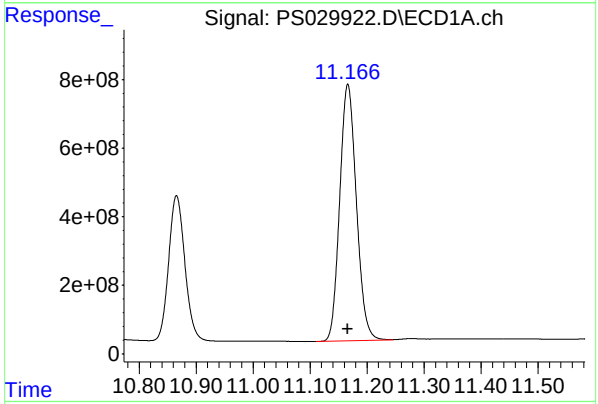
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



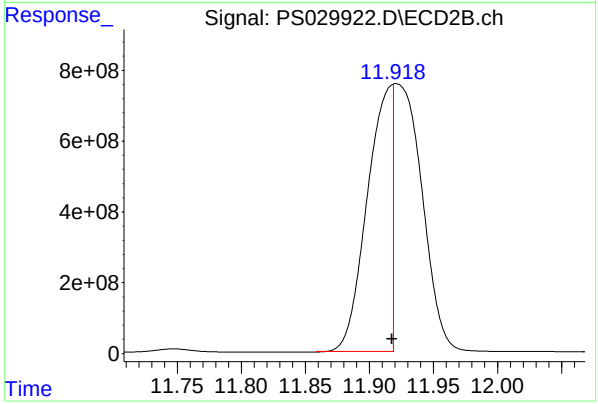
#15 Picloram

R.T.: 11.920 min
Delta R.T.: 0.000 min
Response: 11094799278
Conc: 889.28 ng/ml m



#16 DCPA

R.T.: 11.166 min
Delta R.T.: 0.000 min
Response: 15201932980
Conc: 876.32 ng/ml



#16 DCPA

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 10311432555
Conc: 906.51 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:37
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:55:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.941	7.467	3340.2E6	1016.6E6	1357.229	1442.979
		Target Compounds						
1)	T	Dalapon	2.448	2.524	5176.7E6	2212.1E6	1264.064	1274.156
2)	T	3,5-DICHL...	6.145	6.463	4570.5E6	1313.0E6	1278.892	1343.156
3)	T	4-Nitroph...	6.731	7.001	2304.0E6	1001.5E6	1291.971	1307.566
5)	T	DICAMBA	7.118	7.654	13131.1E6	5728.1E6	1325.990	1450.134
6)	T	MCPP	7.300	7.765	992.1E6	254.5E6	153.962	145.490
7)	T	MCPA	7.444	7.996	1275.2E6	326.1E6	144.397	137.819
8)	T	DICHLORPROP	7.799	8.348	3270.4E6	1352.2E6	1290.535	1346.848
9)	T	2,4-D	8.019	8.661	3666.5E6	1519.1E6	1303.464	1347.820
10)	T	Pentachlo...	8.300	9.164	43790.4E6	27835.1E6	1255.279	1368.166
11)	T	2,4,5-TP ...	8.862	9.543	18378.2E6	11452.1E6	1325.717	1399.712
12)	T	2,4,5-T	9.144	9.947	18581.8E6	10783.8E6	1322.259	1389.199
13)	T	2,4-DB	9.702	10.507	3190.6E6	1148.5E6	1396.120	1426.978
14)	T	DINOSEB	10.866	10.881	13258.0E6	7950.4E6	1303.197	1363.473
15)	T	Picloram	10.684	11.923	25181.9E6	16837.9E6	1373.763	1364.679m
16)	T	DCPA	11.166	11.918	22629.5E6	14875.5E6	1329.504	1311.664m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:37
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

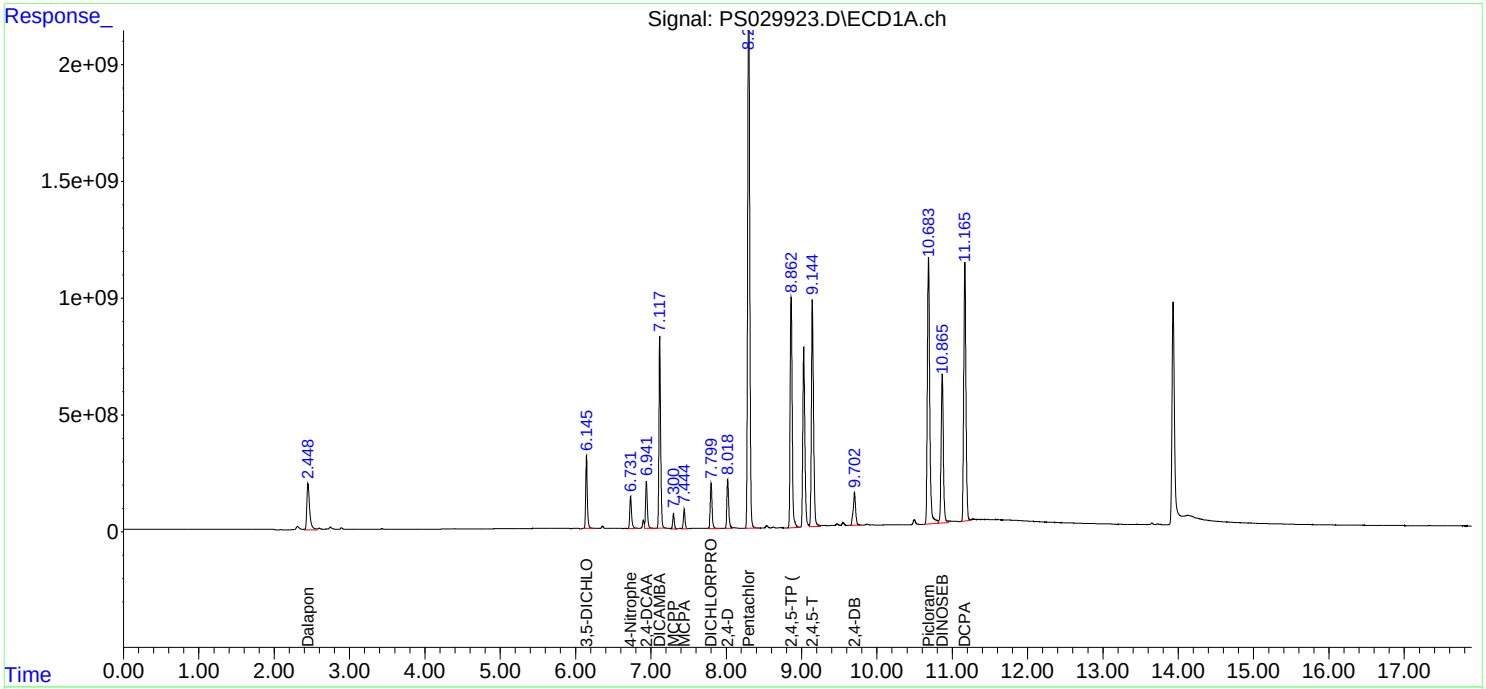
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

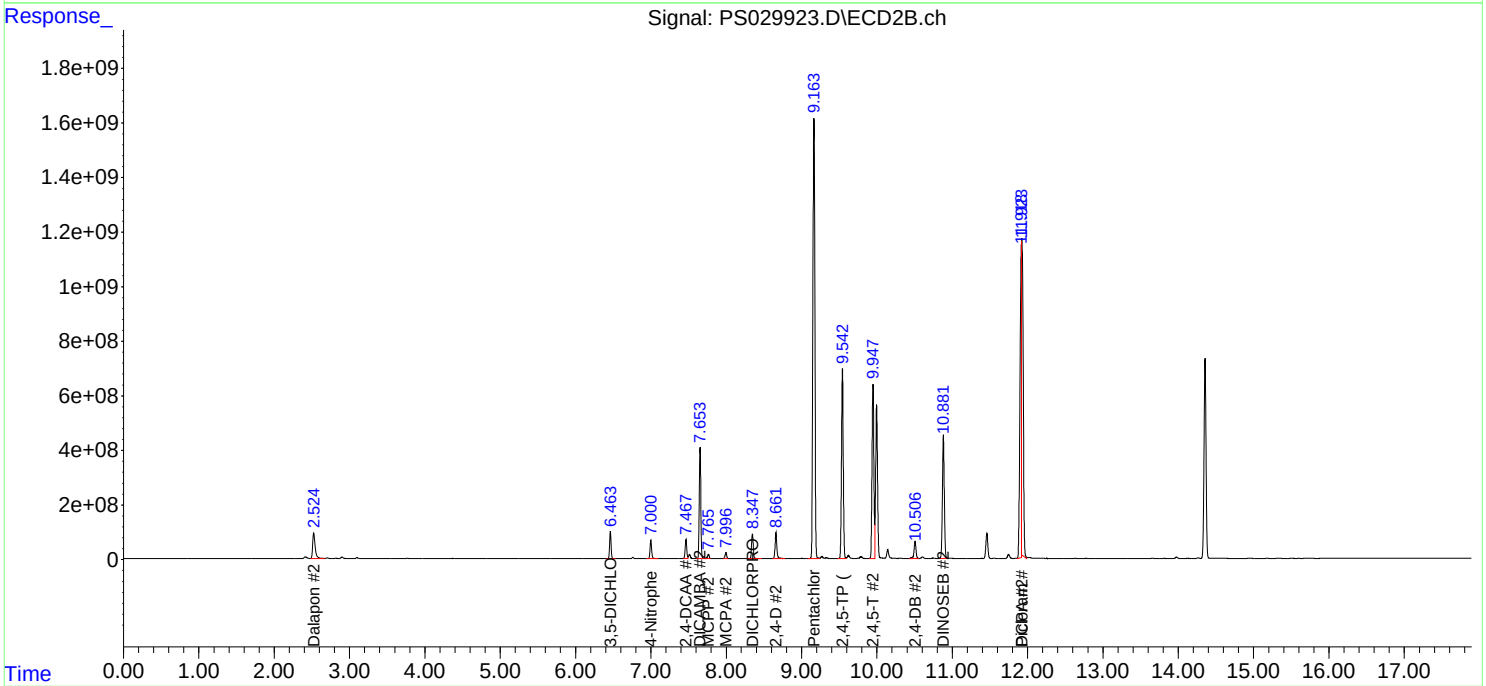
Manual Integrations APPROVED

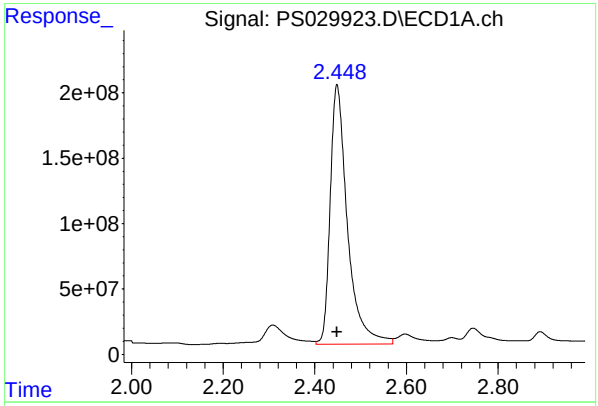
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:55:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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







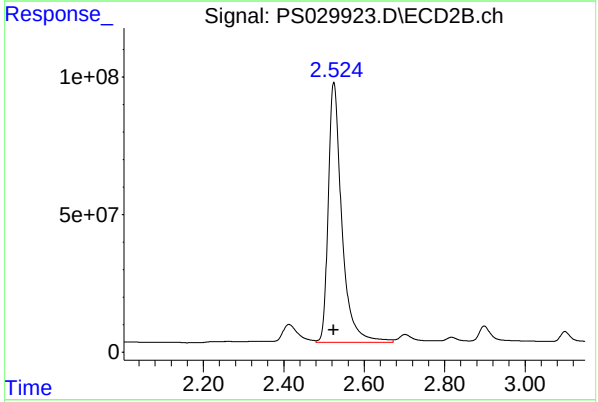
#1 Dalapon

R.T.: 2.448 min
Delta R.T.: 0.000 min
Response: 5176670282
Conc: 1264.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

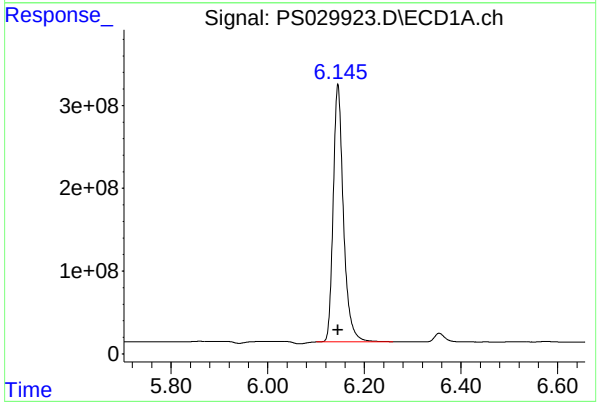
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



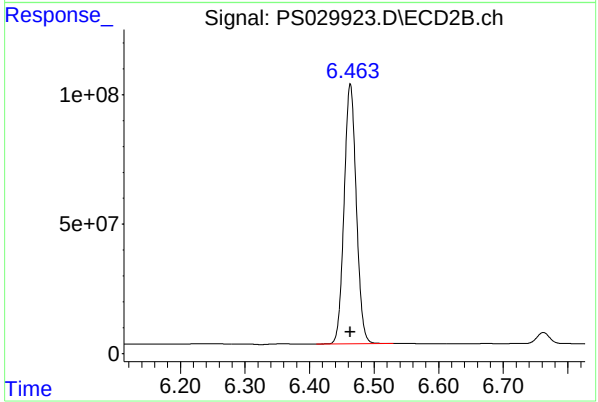
#1 Dalapon

R.T.: 2.524 min
Delta R.T.: 0.000 min
Response: 2212117489
Conc: 1274.16 ng/ml



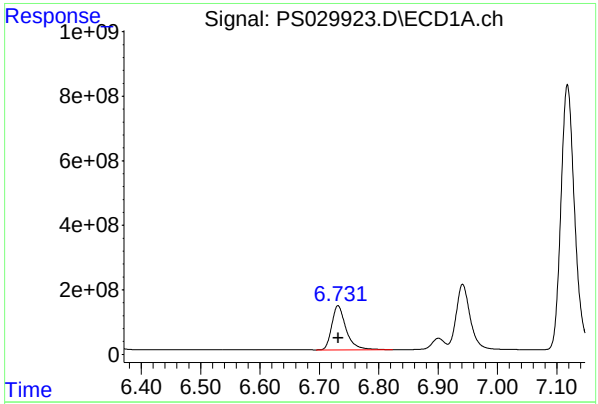
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.145 min
Delta R.T.: 0.000 min
Response: 4570485622
Conc: 1278.89 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 1313041128
Conc: 1343.16 ng/ml



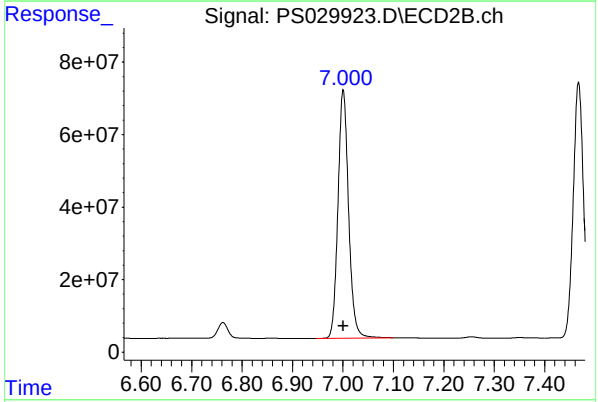
#3 4-Nitrophenol

R.T.: 6.731 min
Delta R.T.: 0.000 min
Response: 2303997056
Conc: 1291.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

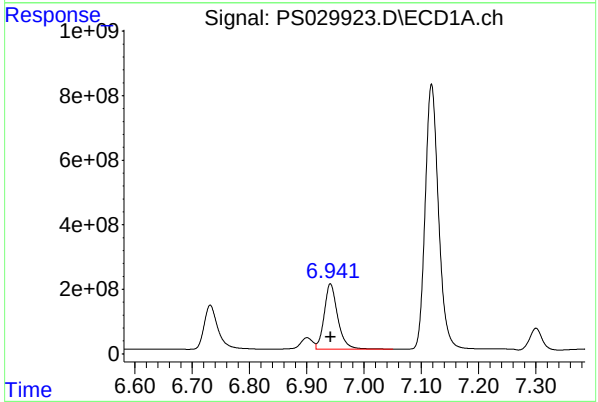
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



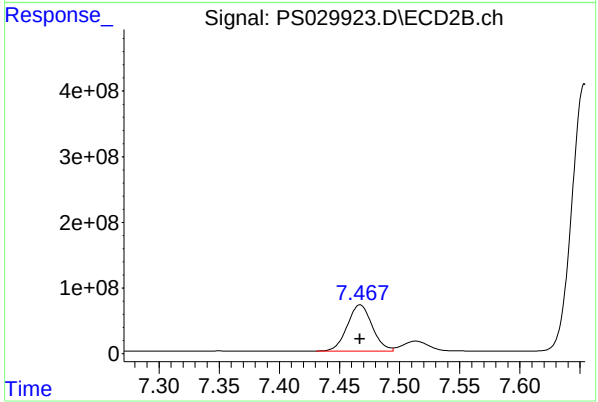
#3 4-Nitrophenol

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 1001492635
Conc: 1307.57 ng/ml



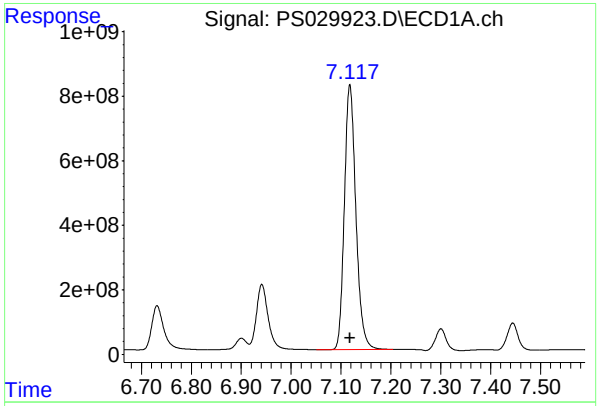
#4 2,4-DCAA

R.T.: 6.941 min
Delta R.T.: 0.000 min
Response: 3340247176
Conc: 1357.23 ng/ml



#4 2,4-DCAA

R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 1016603254
Conc: 1442.98 ng/ml



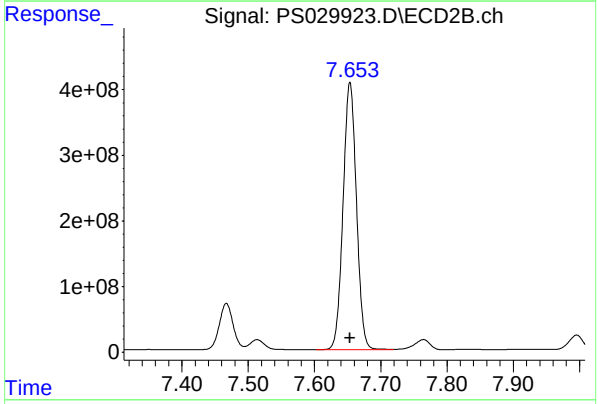
#5 DICAMBA

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 13131098945
Conc: 1325.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

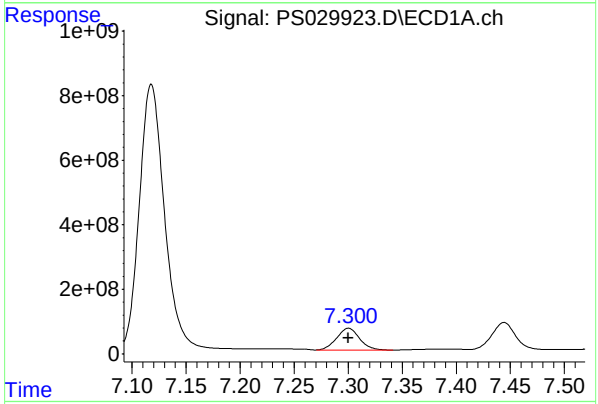
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



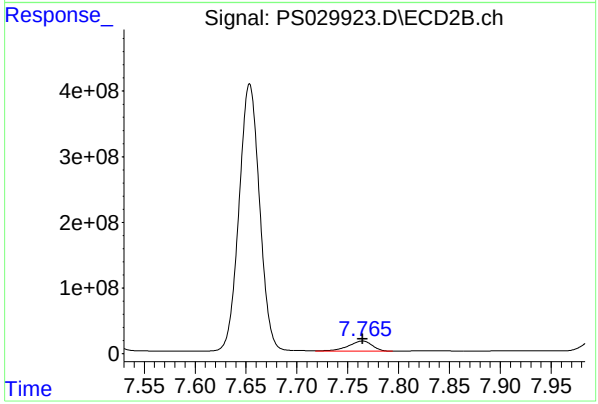
#5 DICAMBA

R.T.: 7.654 min
Delta R.T.: 0.000 min
Response: 5728123349
Conc: 1450.13 ng/ml



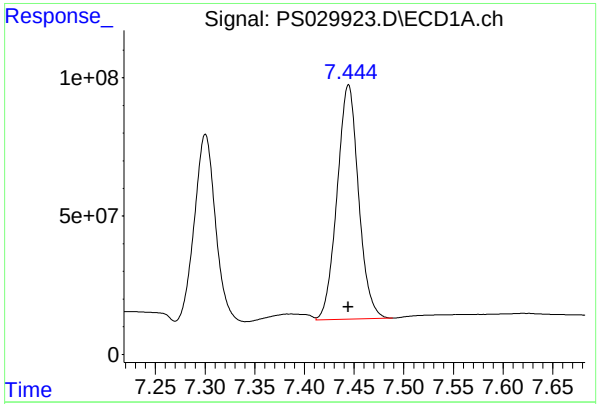
#6 MCPP

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 992077341
Conc: 153.96 ug/ml



#6 MCPP

R.T.: 7.765 min
Delta R.T.: 0.000 min
Response: 254454768
Conc: 145.49 ug/ml



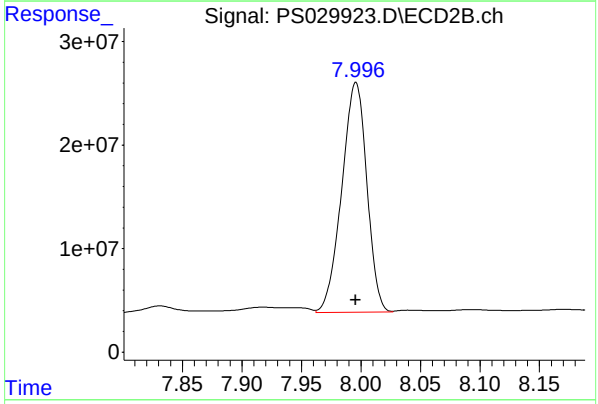
#7 MCPA

R.T.: 7.444 min
Delta R.T.: 0.000 min
Response: 1275219029
Conc: 144.40 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

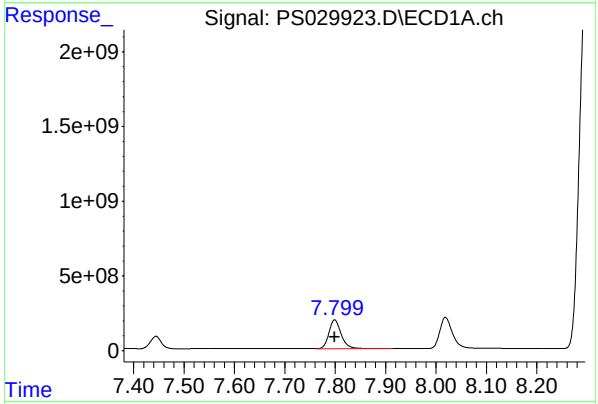
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



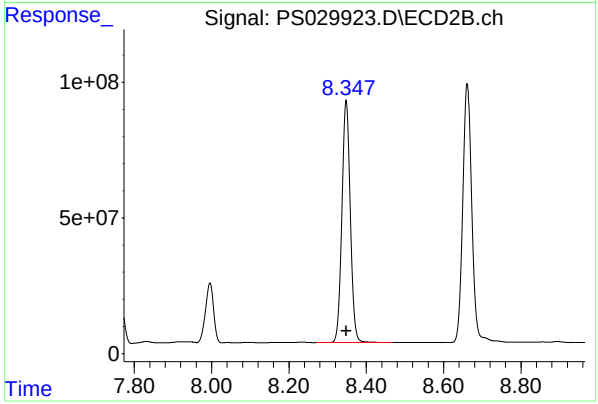
#7 MCPA

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 326053003
Conc: 137.82 ug/ml



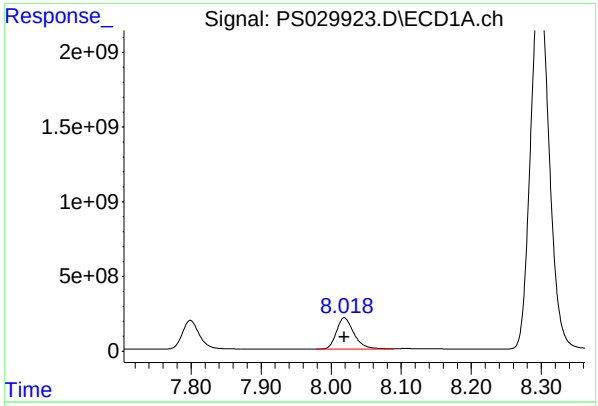
#8 DICHLORPROP

R.T.: 7.799 min
Delta R.T.: 0.000 min
Response: 3270356058
Conc: 1290.54 ng/ml



#8 DICHLORPROP

R.T.: 8.348 min
Delta R.T.: 0.000 min
Response: 1352187583
Conc: 1346.85 ng/ml



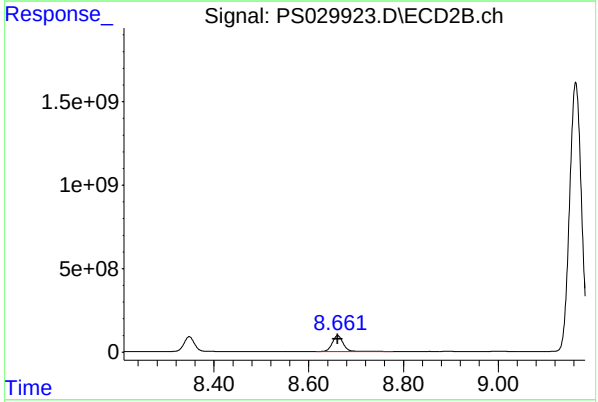
#9 2,4-D

R.T.: 8.019 min
Delta R.T.: 0.000 mi
Response: 3666476235
Conc: 1303.46 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

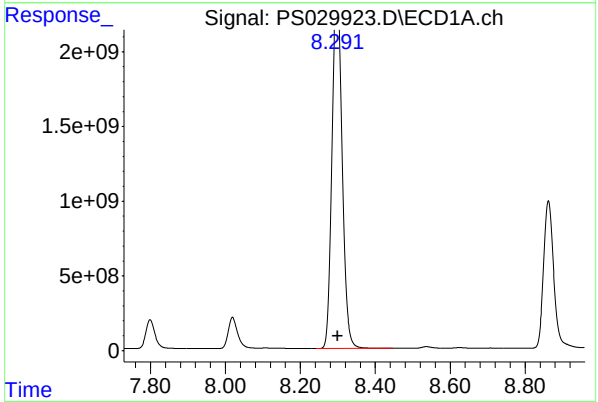
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



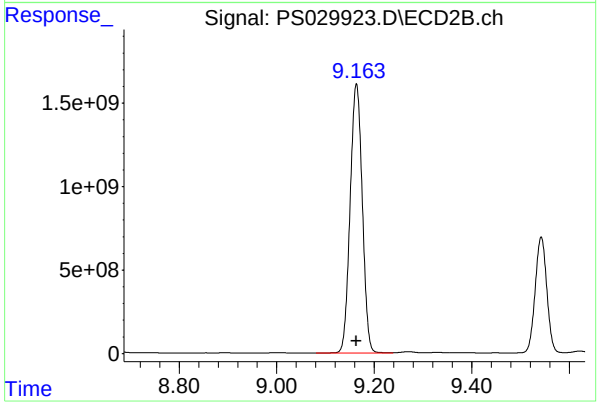
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 1519137434
Conc: 1347.82 ng/ml



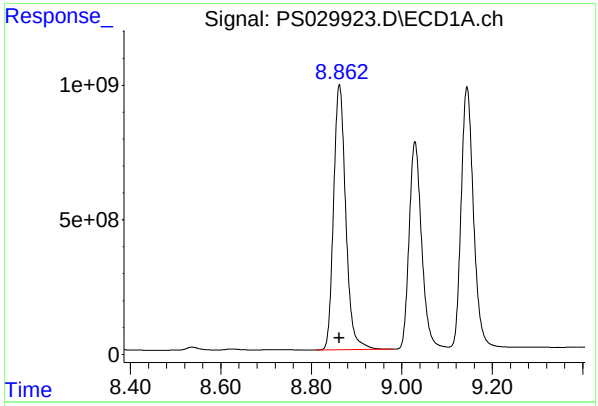
#10 Pentachlorophenol

R.T.: 8.300 min
Delta R.T.: 0.000 min
Response: 43790422023
Conc: 1255.28 ng/ml



#10 Pentachlorophenol

R.T.: 9.164 min
Delta R.T.: 0.000 min
Response: 27835080663
Conc: 1368.17 ng/ml



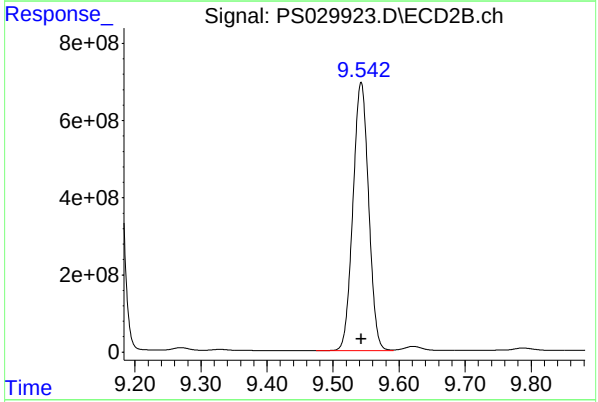
#11 2,4,5-TP (SILVEX)

R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 18378203400
Conc: 1325.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

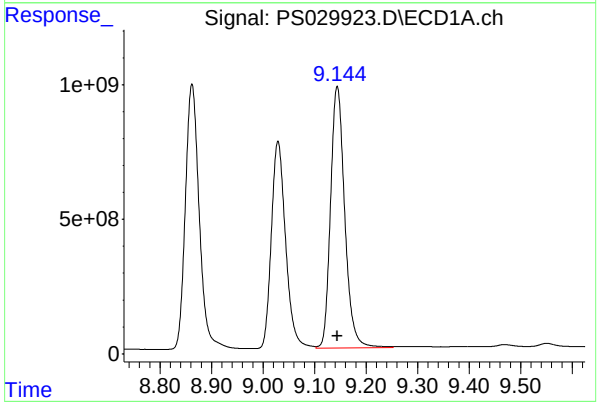
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



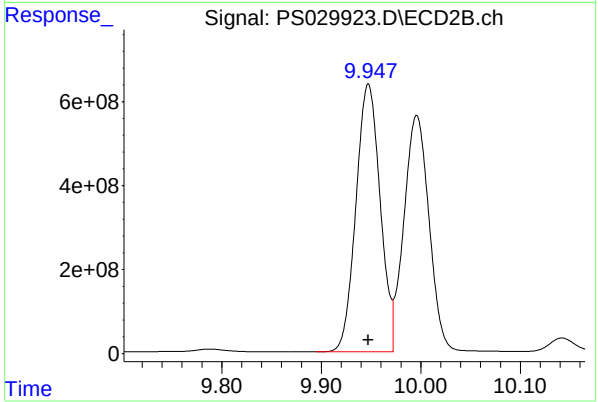
#11 2,4,5-TP (SILVEX)

R.T.: 9.543 min
Delta R.T.: 0.000 min
Response: 11452091600
Conc: 1399.71 ng/ml



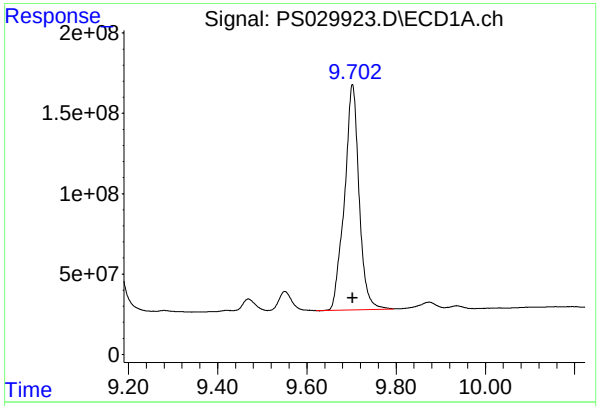
#12 2,4,5-T

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 18581844789
Conc: 1322.26 ng/ml



#12 2,4,5-T

R.T.: 9.947 min
Delta R.T.: 0.000 min
Response: 10783792004
Conc: 1389.20 ng/ml



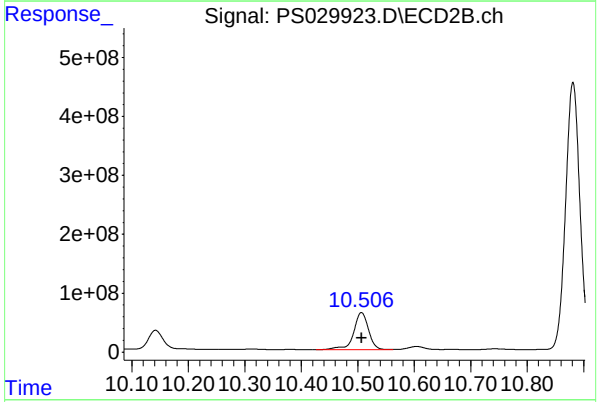
#13 2,4-DB

R.T.: 9.702 min
Delta R.T.: 0.000 min
Response: 3190632076
Conc: 1396.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

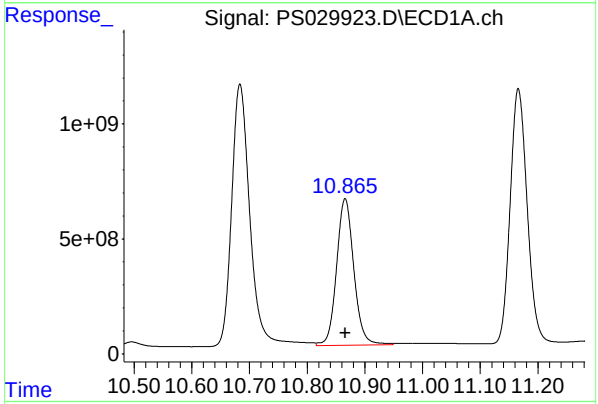
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



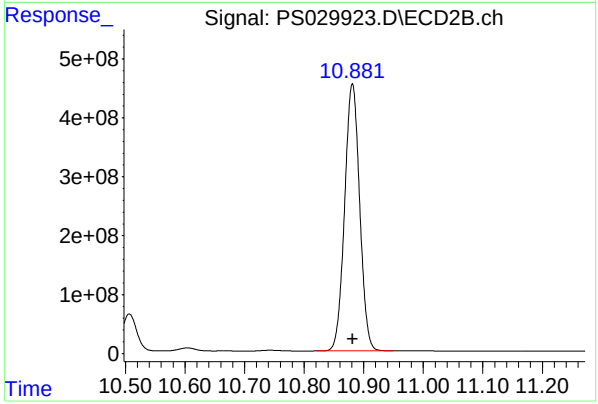
#13 2,4-DB

R.T.: 10.507 min
Delta R.T.: 0.000 min
Response: 1148492462
Conc: 1426.98 ng/ml



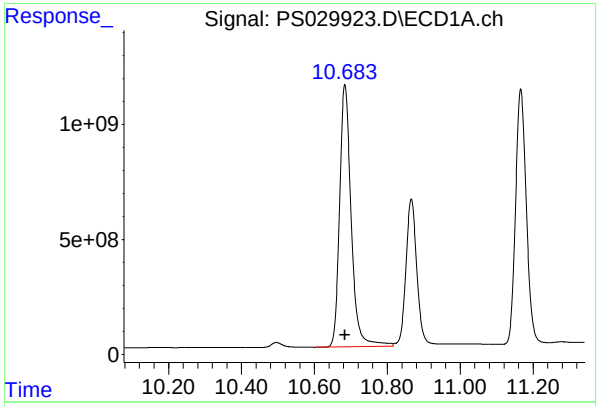
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 13257982778
Conc: 1303.20 ng/ml



#14 DINOSEB

R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 7950383575
Conc: 1363.47 ng/ml



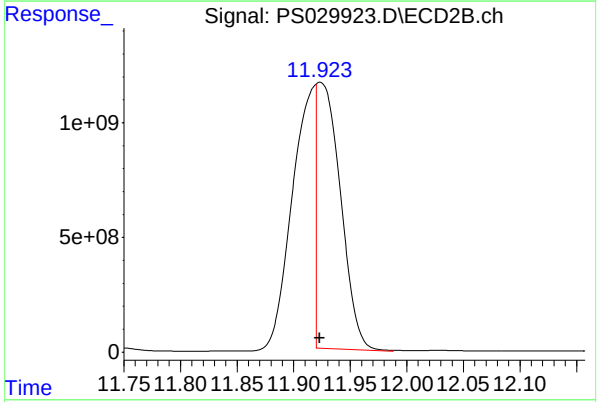
#15 Picloram

R.T.: 10.684 min
Delta R.T.: 0.000 min
Response: 25181937899
Conc: 1373.76 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

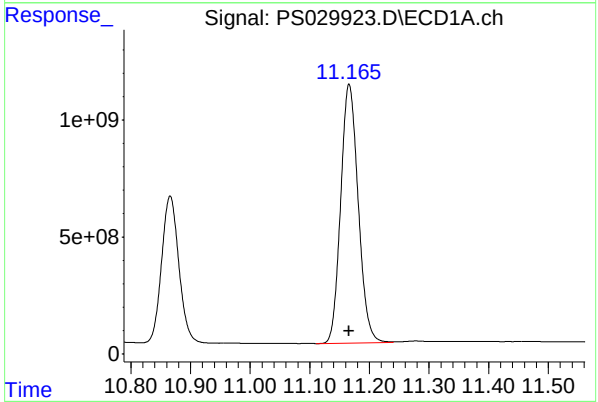
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



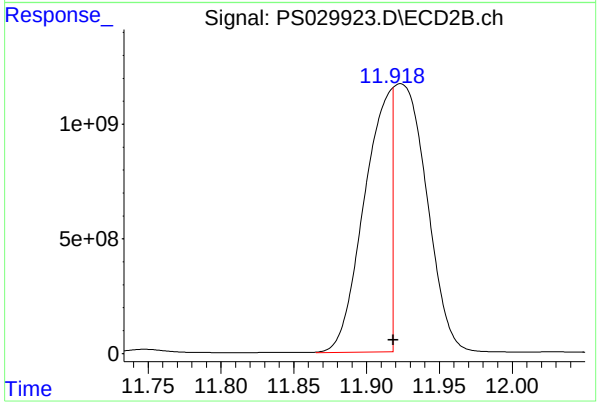
#15 Picloram

R.T.: 11.923 min
Delta R.T.: 0.000 min
Response: 16837876459
Conc: 1364.68 ng/ml m



#16 DCPA

R.T.: 11.166 min
Delta R.T.: 0.000 min
Response: 22629488258
Conc: 1329.50 ng/ml



#16 DCPA

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 14875468261
Conc: 1311.66 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 13:01
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS042325

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 13:20:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.941	7.467	1785.1E6	522.8E6	725.315	742.096
	Target Compounds						
1) T	Dalapon	2.449	2.525	2793.7E6	1167.7E6	682.183	672.600
2) T	3,5-DICHL...	6.145	6.463	2447.4E6	679.4E6	684.816	695.005
3) T	4-Nitroph...	6.732	7.000	1167.8E6	514.6E6	654.846	671.850
5) T	DICAMBA	7.118	7.653	6990.7E6	2822.8E6	705.926	714.619
6) T	MCPP	7.297	7.760	467.2E6	127.4E6	72.508	72.837
7) T	MCPA	7.439	7.991	617.1E6	165.5E6	69.876	69.959
8) T	DICHLORPROP	7.798	8.347	1751.5E6	702.7E6	691.189	699.969
9) T	2,4-D	8.018	8.661	1976.8E6	789.4E6	702.764	700.374
10) T	Pentachlo...	8.297	9.163	25231.5E6	14767.7E6	723.277	725.871
11) T	2,4,5-TP ...	8.862	9.542	9894.0E6	5913.4E6	713.706	722.753
12) T	2,4,5-T	9.144	9.947	9990.5E6	5588.6E6	710.908	719.944
13) T	2,4-DB	9.702	10.506	1649.4E6	582.7E6	721.719	724.013
14) T	DINOSEB	10.866	10.881	7070.7E6	4118.9E6	695.014	706.382
15) T	Picloram	10.685	11.923	13255.1E6	9024.0E6	723.112	734.636m
16) T	DCPA	11.167	11.918	12285.5E6	8142.3E6	721.785	722.370m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 13:01
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

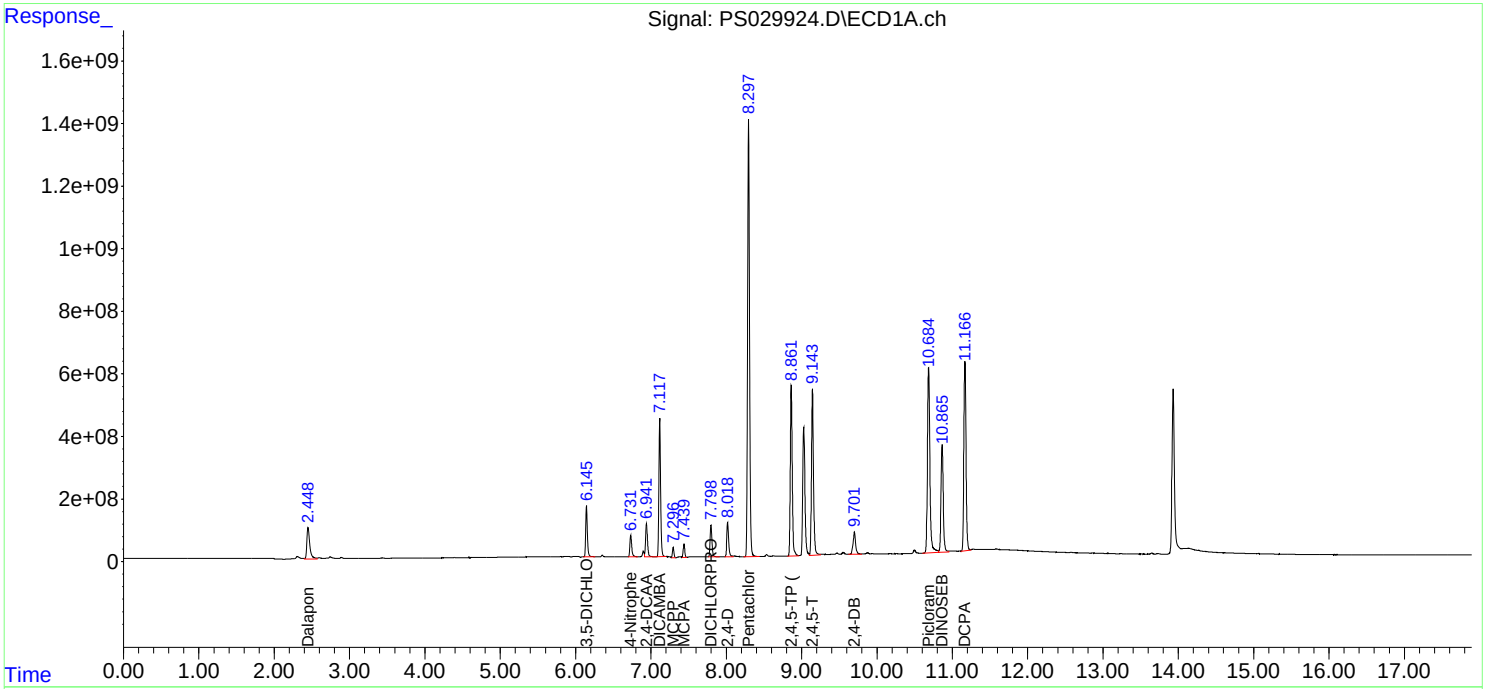
Instrument :
ECD_S
ClientSampleId :
ICVPS042325

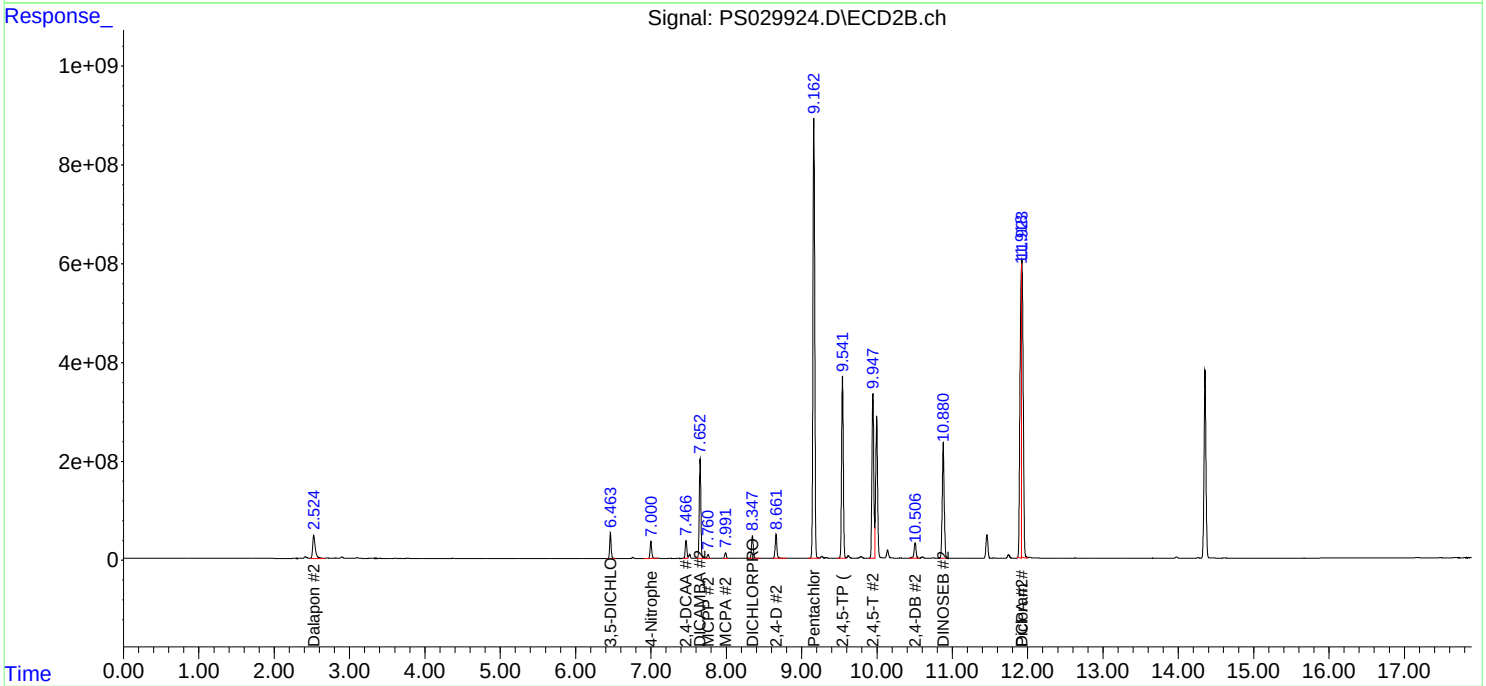
Manual Integrations APPROVED

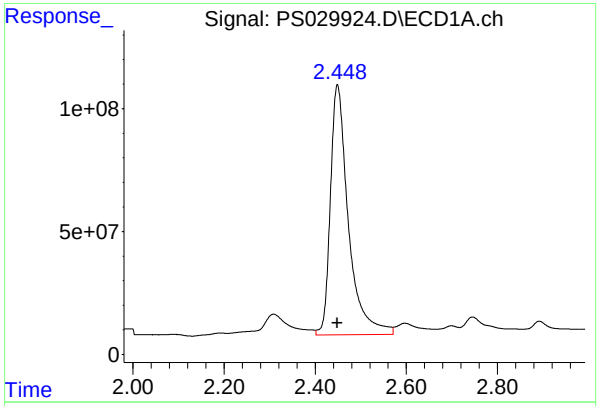
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 13:20:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







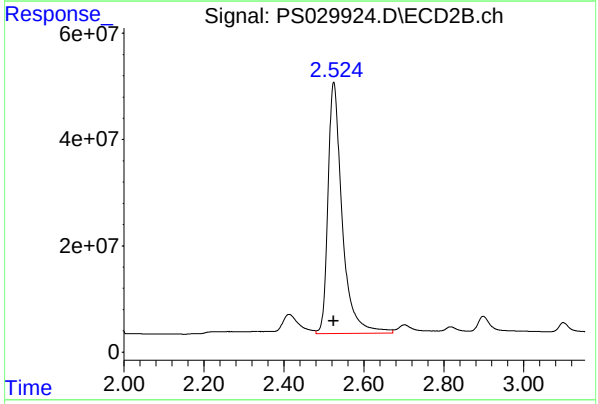
#1 Dalapon

R.T.: 2.449 min
Delta R.T.: 0.000 min
Response: 2793715347
Conc: 682.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325

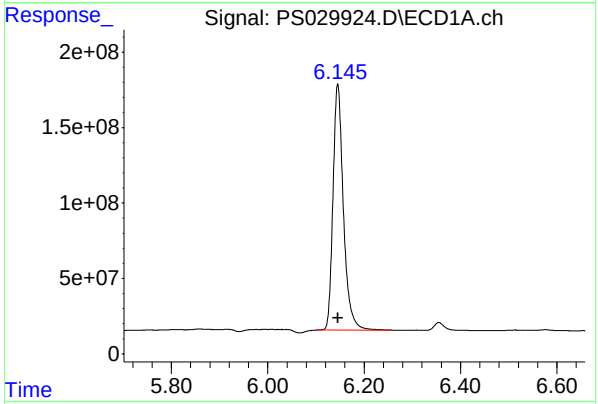
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



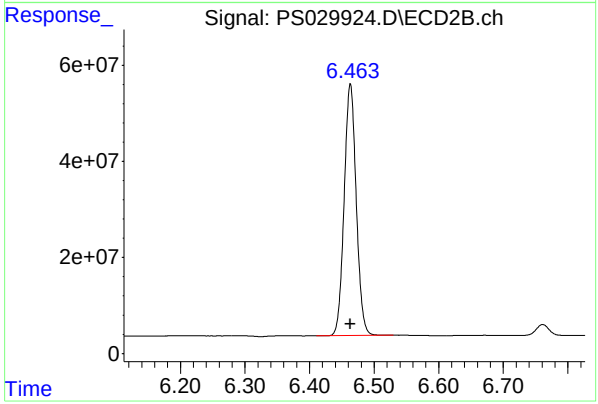
#1 Dalapon

R.T.: 2.525 min
Delta R.T.: 0.000 min
Response: 1167729659
Conc: 672.60 ng/ml



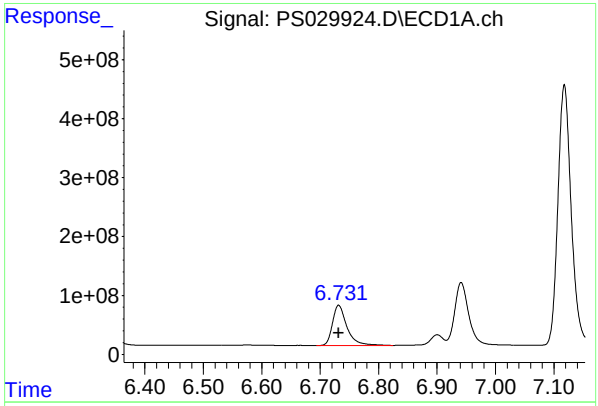
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.145 min
Delta R.T.: 0.000 min
Response: 2447386587
Conc: 684.82 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 679422841
Conc: 695.01 ng/ml



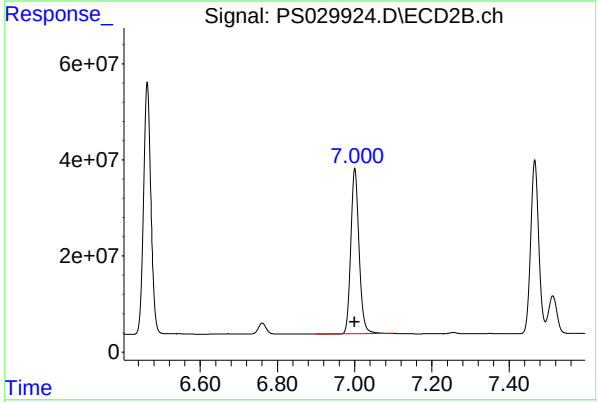
#3 4-Nitrophenol

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 1167800121
Conc: 654.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325

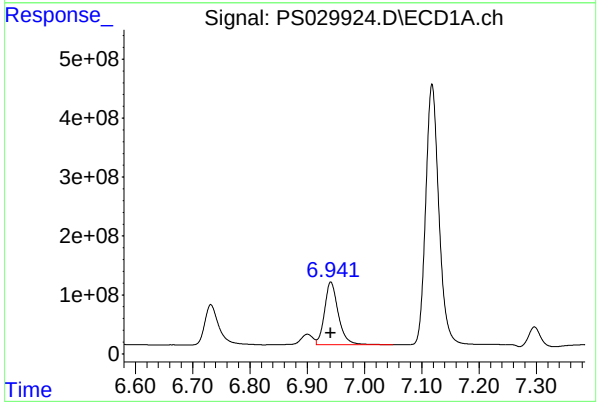
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



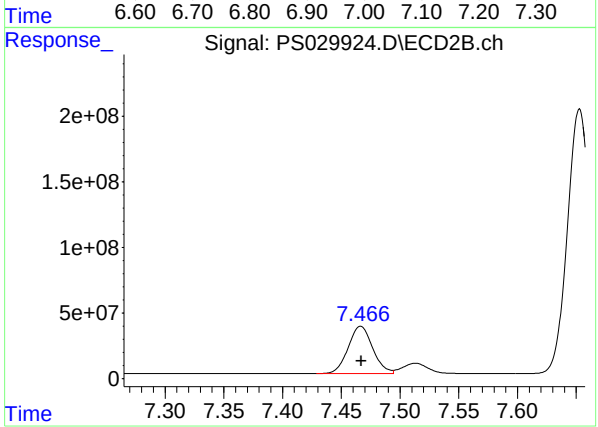
#3 4-Nitrophenol

R.T.: 7.000 min
Delta R.T.: 0.000 min
Response: 514583941
Conc: 671.85 ng/ml



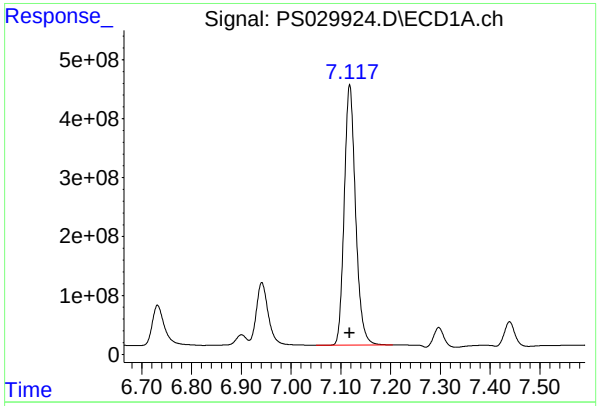
#4 2,4-DCAA

R.T.: 6.941 min
Delta R.T.: 0.000 min
Response: 1785057977
Conc: 725.32 ng/ml



#4 2,4-DCAA

R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 522819399
Conc: 742.10 ng/ml



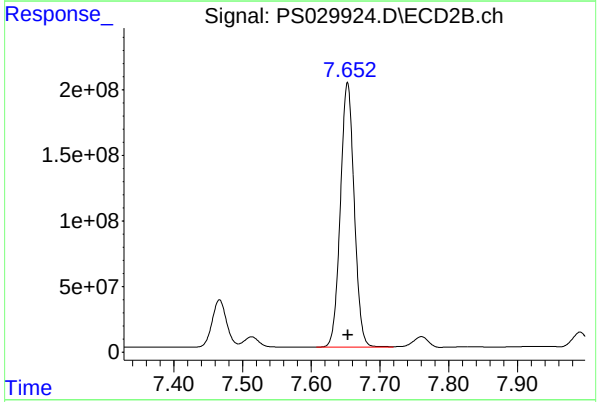
#5 DICAMBA

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 6990688242
Conc: 705.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325

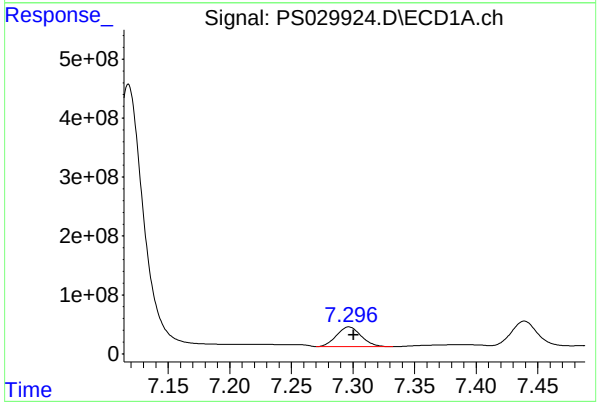
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



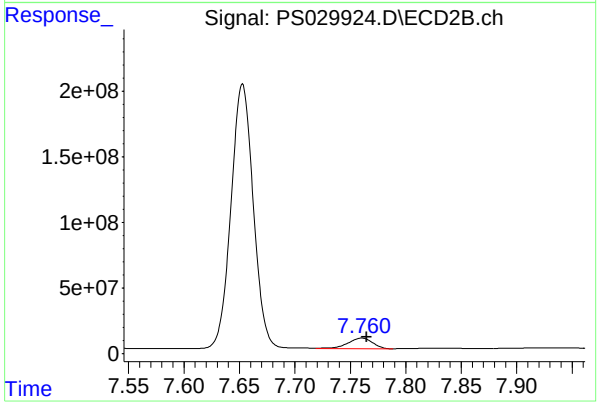
#5 DICAMBA

R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 2822792480
Conc: 714.62 ng/ml



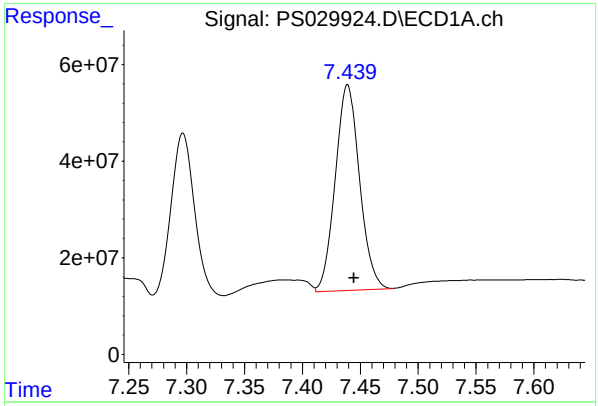
#6 MCPP

R.T.: 7.297 min
Delta R.T.: -0.004 min
Response: 467215325
Conc: 72.51 ug/ml



#6 MCPP

R.T.: 7.760 min
Delta R.T.: -0.004 min
Response: 127389122
Conc: 72.84 ug/ml



#7 MCPA

R.T.: 7.439 min
Delta R.T.: -0.005 min
Response: 617101386
Conc: 69.88 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325

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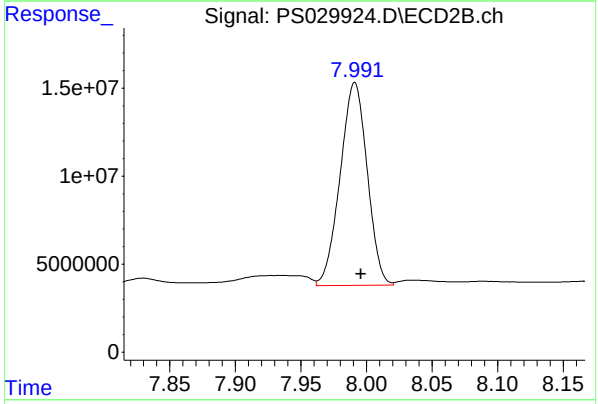
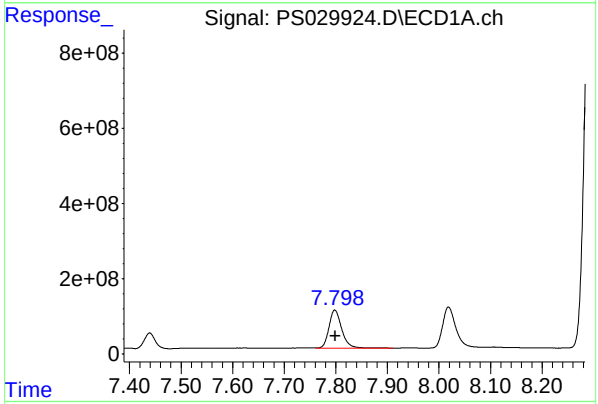
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



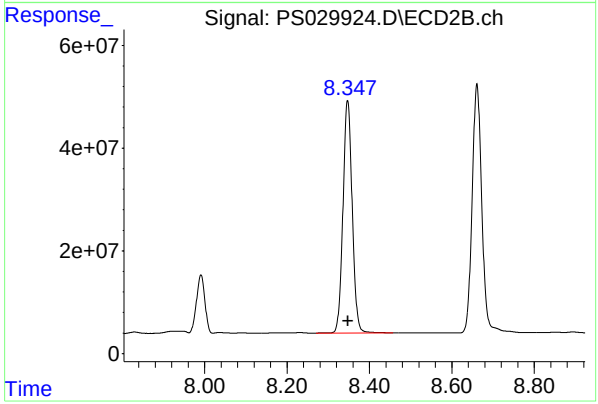
#7 MCPA

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 165509058
Conc: 69.96 ug/ml



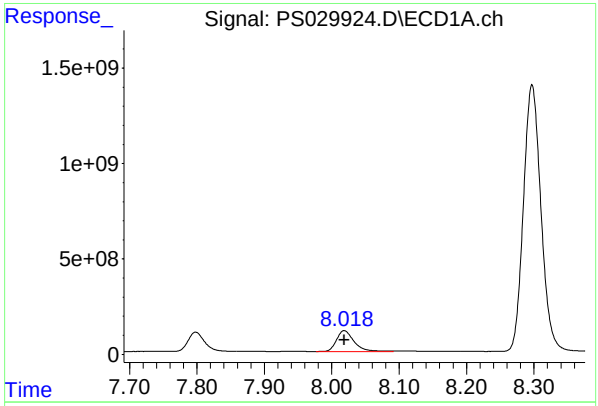
#8 DICHLORPROP

R.T.: 7.798 min
Delta R.T.: 0.000 min
Response: 1751547333
Conc: 691.19 ng/ml



#8 DICHLORPROP

R.T.: 8.347 min
Delta R.T.: 0.000 min
Response: 702743426
Conc: 699.97 ng/ml



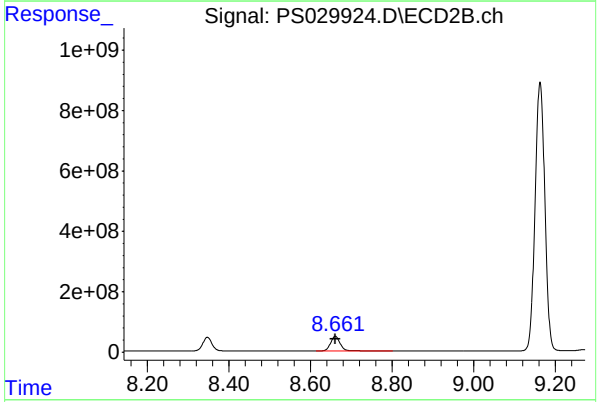
#9 2,4-D

R.T.: 8.018 min
Delta R.T.: 0.000 min
Response: 1976784235
Conc: 702.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325

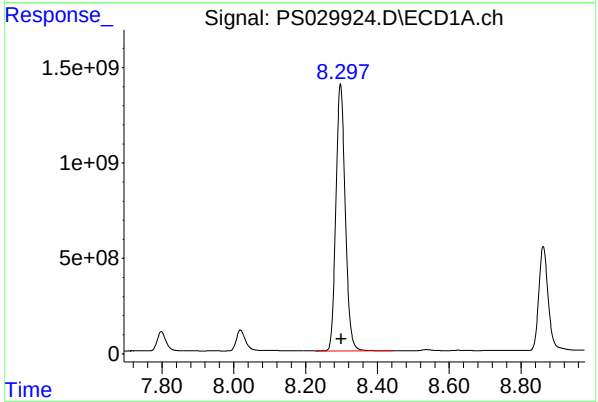
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



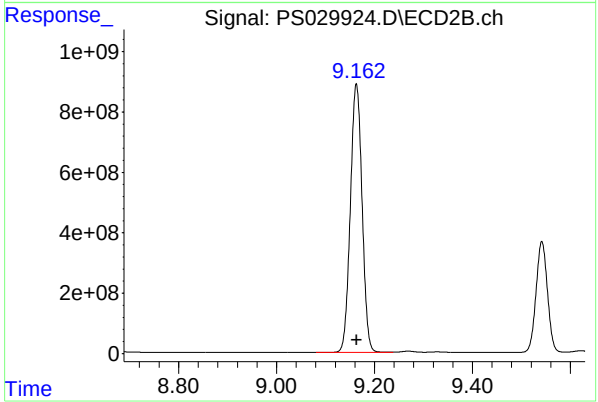
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 789396429
Conc: 700.37 ng/ml



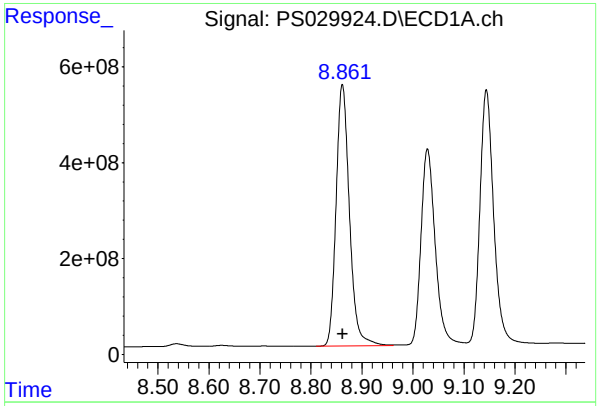
#10 Pentachlorophenol

R.T.: 8.297 min
Delta R.T.: -0.002 min
Response: 25231541630
Conc: 723.28 ng/ml



#10 Pentachlorophenol

R.T.: 9.163 min
Delta R.T.: 0.000 min
Response: 14767707242
Conc: 725.87 ng/ml



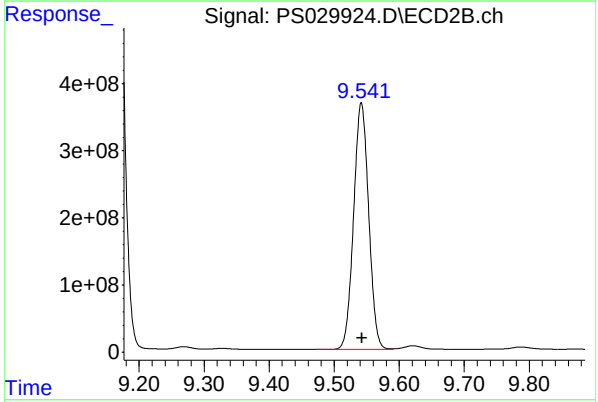
#11 2,4,5-TP (SILVEX)

R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 9893987718
Conc: 713.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325

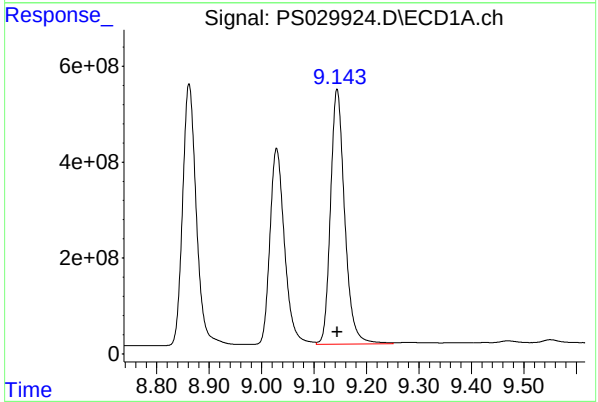
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



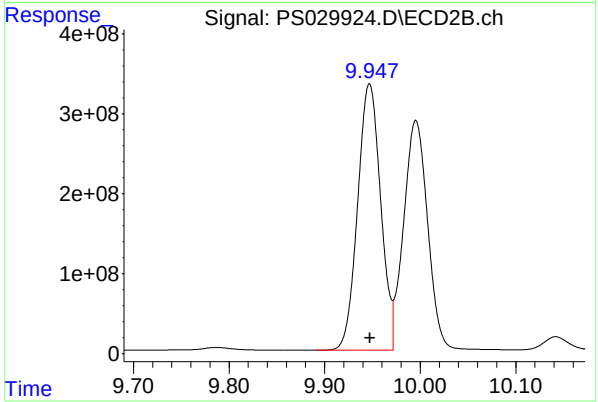
#11 2,4,5-TP (SILVEX)

R.T.: 9.542 min
Delta R.T.: 0.000 min
Response: 5913388172
Conc: 722.75 ng/ml



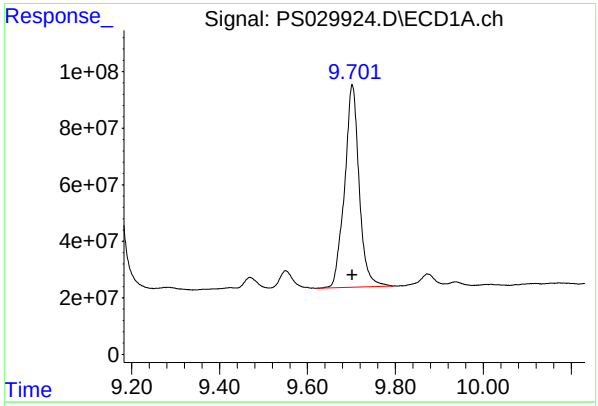
#12 2,4,5-T

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 9990461422
Conc: 710.91 ng/ml



#12 2,4,5-T

R.T.: 9.947 min
Delta R.T.: 0.000 min
Response: 5588639706
Conc: 719.94 ng/ml



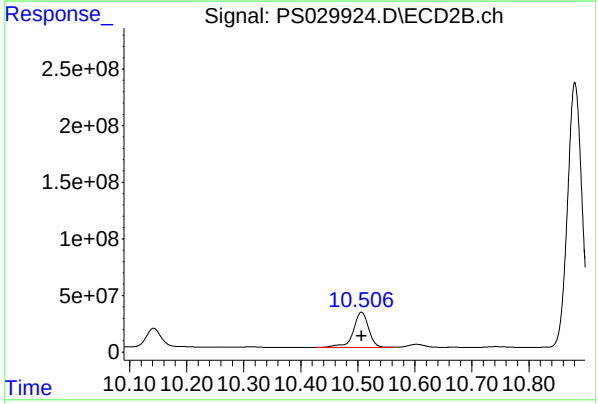
#13 2,4-DB

R.T.: 9.702 min
Delta R.T.: 0.000 min
Response: 1649385436
Conc: 721.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325

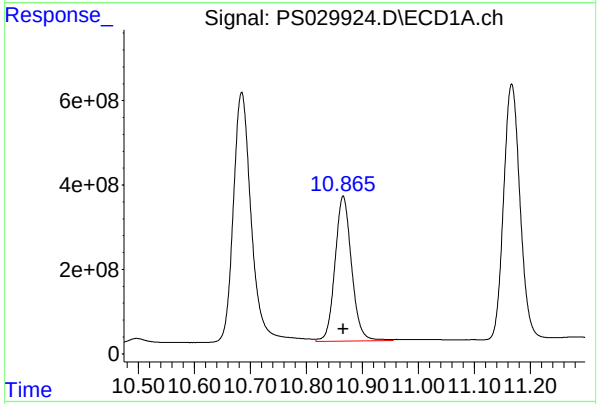
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



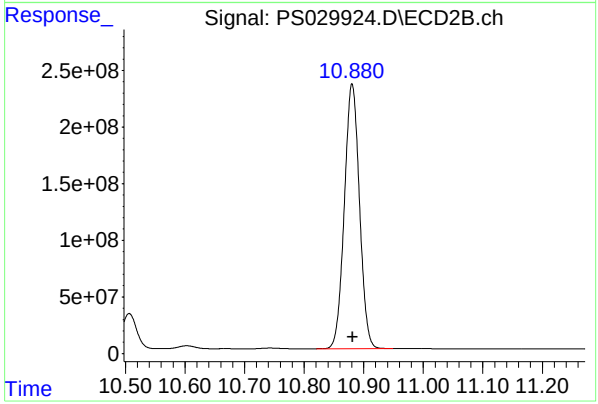
#13 2,4-DB

R.T.: 10.506 min
Delta R.T.: 0.000 min
Response: 582716222
Conc: 724.01 ng/ml



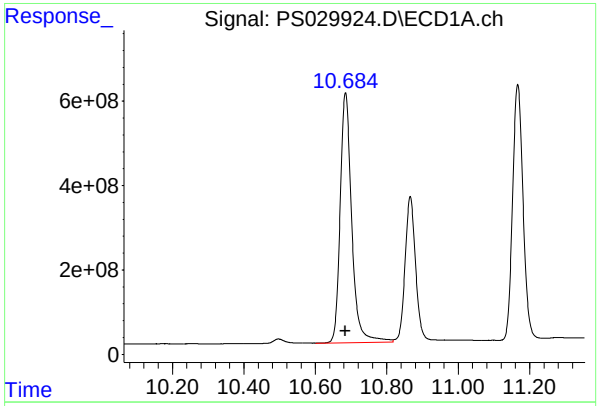
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 7070677904
Conc: 695.01 ng/ml



#14 DINOSEB

R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 4118901701
Conc: 706.38 ng/ml



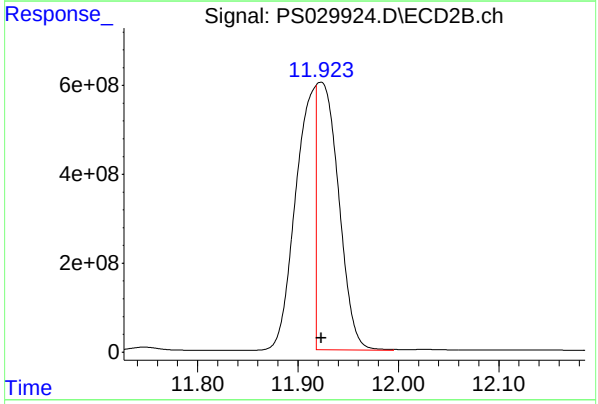
#15 Picloram

R.T.: 10.685 min
Delta R.T.: 0.000 min
Response: 13255096434
Conc: 723.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325

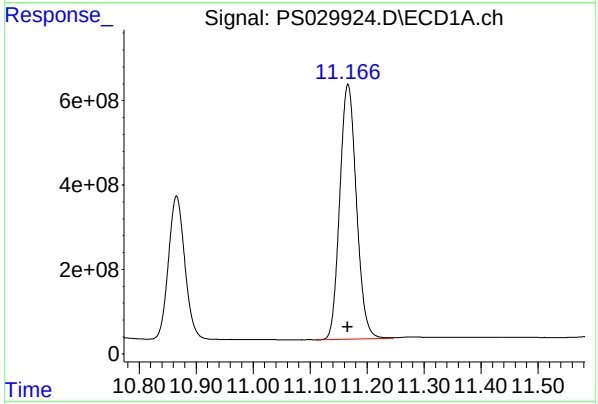
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



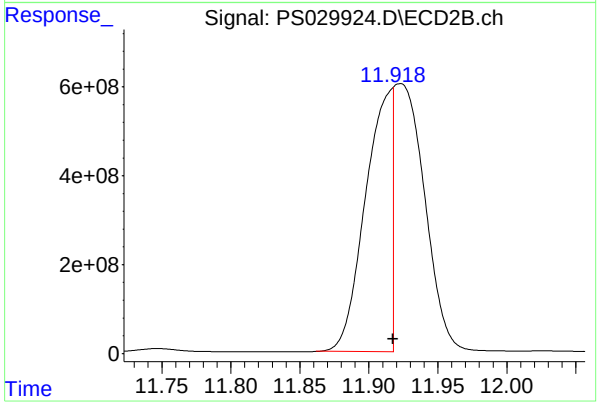
#15 Picloram

R.T.: 11.923 min
Delta R.T.: 0.000 min
Response: 9024004077
Conc: 734.64 ng/ml m



#16 DCPA

R.T.: 11.167 min
Delta R.T.: 0.000 min
Response: 12285496361
Conc: 721.78 ng/ml



#16 DCPA

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 8142309135
Conc: 722.37 ng/ml m

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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.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/01/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 01:22 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.12	7.12	7.02	7.22	0.00
2,4-DCAA	6.94	6.94	6.84	7.04	0.00
Dalapon	2.45	2.45	2.35	2.55	0.00
DICHLORPROP	7.80	7.80	7.70	7.90	0.00
2,4-D	8.02	8.02	7.92	8.12	0.00
2,4,5-TP(Silvex)	8.86	8.86	8.76	8.96	0.00
2,4,5-T	9.14	9.14	9.04	9.24	0.00
2,4-DB	9.70	9.70	9.60	9.80	0.00
Dinoseb	10.86	10.87	10.77	10.97	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.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/01/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 01:22 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.65	7.65	7.55	7.75	0.00
2,4-DCAA	7.46	7.47	7.37	7.57	0.01
Dalapon	2.52	2.53	2.43	2.63	0.01
DICHLORPROP	8.34	8.35	8.25	8.45	0.01
2,4-D	8.66	8.66	8.56	8.76	0.01
2,4,5-TP(Silvex)	9.53	9.54	9.44	9.64	0.01
2,4,5-T	9.94	9.95	9.85	10.05	0.01
2,4-DB	10.50	10.51	10.41	10.61	0.01
Dinoseb	10.87	10.88	10.78	10.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/01/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029991.D **Time Analyzed:** 01:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.141	9.044	9.244	736.550	712.500	3.4
2,4,5-TP(Silvex)	8.858	8.762	8.962	730.550	712.500	2.5
2,4-D	8.016	7.919	8.119	715.650	705.000	1.5
2,4-DB	9.699	9.603	9.803	764.140	712.500	7.2
2,4-DCAA	6.939	6.842	7.042	758.550	750.000	1.1
Dalapon	2.449	2.349	2.549	706.400	682.500	3.5
DICAMBA	7.116	7.018	7.218	723.860	705.000	2.7
DICHLORPROP	7.796	7.699	7.899	704.420	705.000	-0.1
Dinoseb	10.861	10.766	10.966	714.800	705.000	1.4

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.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/01/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029991.D **Time Analyzed:** 01:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.938	9.847	10.047	776.840	712.500	9.0
2,4,5-TP(Silvex)	9.534	9.442	9.642	786.260	712.500	10.4
2,4-D	8.655	8.561	8.761	748.240	705.000	6.1
2,4-DB	10.497	10.407	10.607	729.270	712.500	2.4
2,4-DCAA	7.463	7.367	7.567	801.050	750.000	6.8
Dalapon	2.523	2.425	2.625	711.230	682.500	4.2
DICAMBA	7.649	7.553	7.753	781.610	705.000	10.9
DICHLORPROP	8.342	8.248	8.448	757.570	705.000	7.5
Dinoseb	10.870	10.781	10.981	758.310	705.000	7.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS029991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 01:22
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 01:46:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.939	7.463	1866.9E6	564.4E6	758.552	801.051
		Target Compounds						
1)	T	Dalapon	2.449	2.523	2892.9E6	1234.8E6	706.400	711.228
2)	T	3,5-DICHL...	6.143	6.460	2518.3E6	726.1E6	704.648	742.792
3)	T	4-Nitroph...	6.729	6.996	1243.4E6	555.8E6	697.248	725.719
5)	T	DICAMBA	7.116	7.649	7168.2E6	3087.4E6	723.855	781.611
6)	T	MCPP	7.294	7.756	466.6E6	129.0E6	72.412	73.739
7)	T	MCPA	7.437	7.986	642.6E6	171.6E6	72.763	72.534
8)	T	DICHLORPROP	7.796	8.342	1785.1E6	760.6E6	704.424	757.567
9)	T	2,4-D	8.016	8.655	2013.0E6	843.4E6	715.648	748.243
10)	T	Pentachlo...	8.294	9.156	25792.5E6	16172.6E6	739.359	794.924
11)	T	2,4,5-TP ...	8.858	9.534	10127.5E6	6432.9E6	730.547	786.255
12)	T	2,4,5-T	9.141	9.938	10350.9E6	6030.3E6	736.554	776.838
13)	T	2,4-DB	9.699	10.497	1746.3E6	586.9E6	764.144	729.270
14)	T	DINOSEB	10.861	10.870	7271.9E6	4421.7E6	714.798	758.306
15)	T	Picloram	10.680	11.908	13551.6E6	9856.9E6	739.289	802.440m
16)	T	DCPA	11.163	11.903	12619.6E6	8081.5E6	741.412	716.977m

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

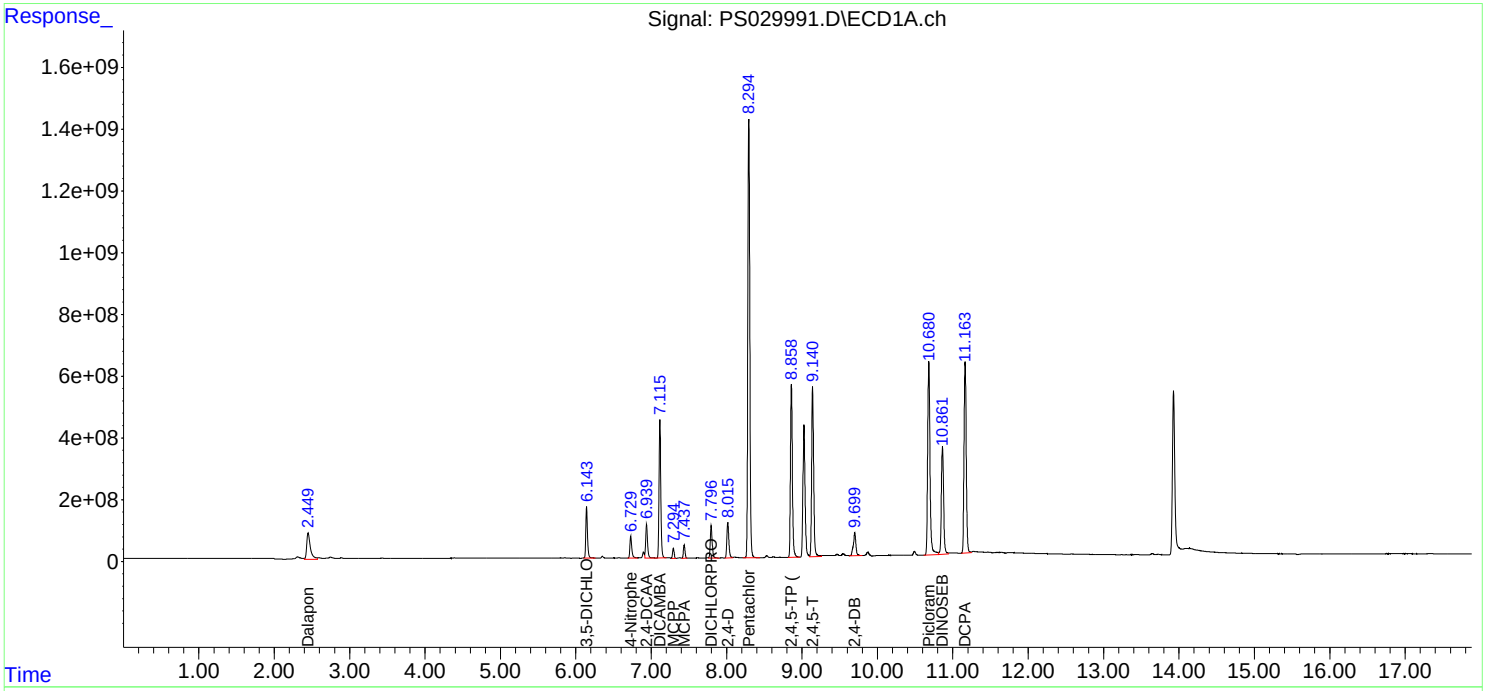
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS029991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 01:22
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

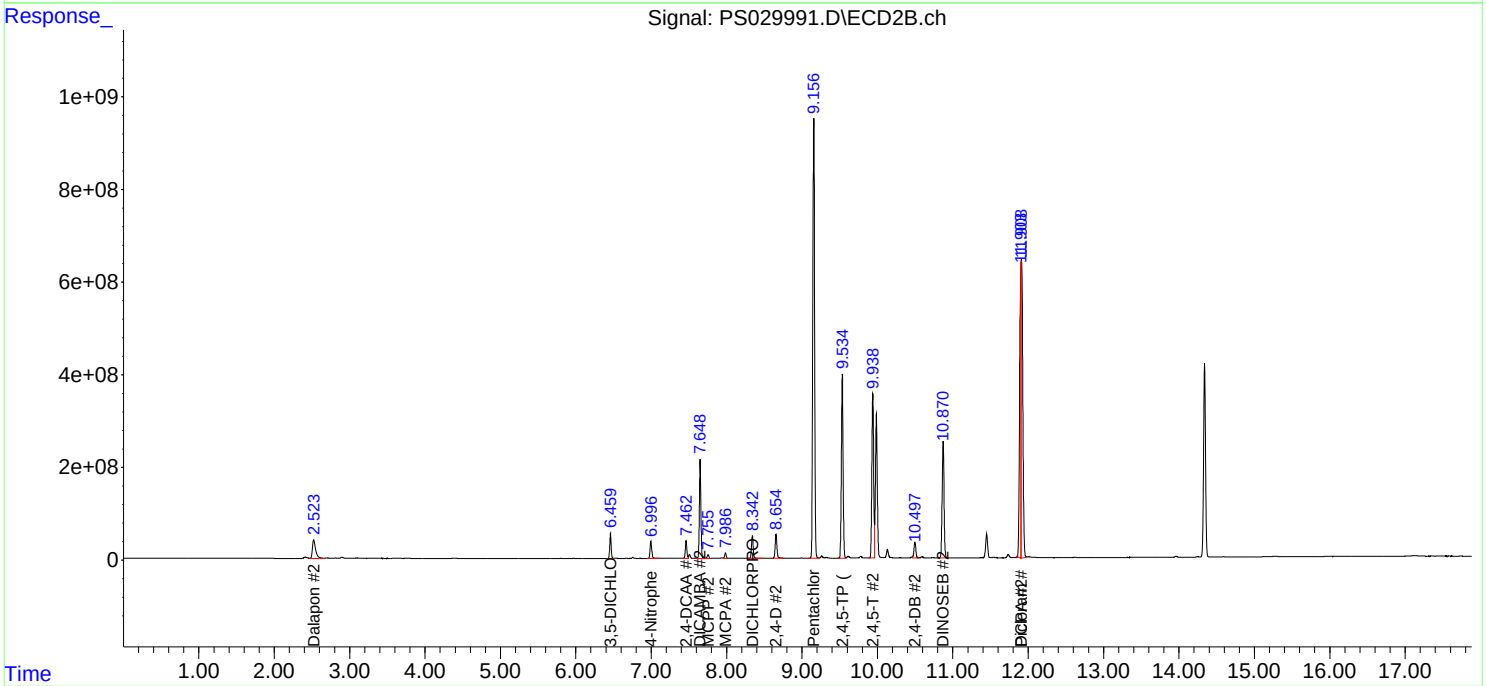
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

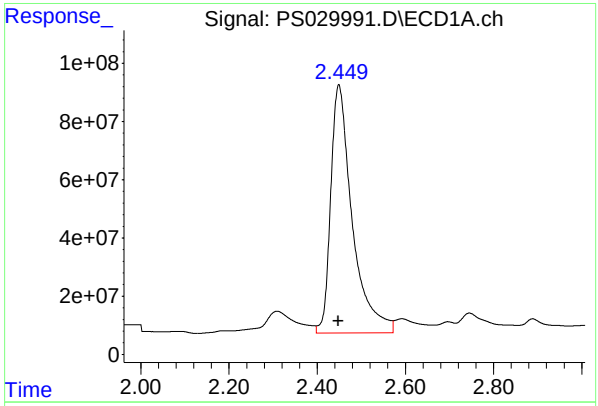
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 01:46:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







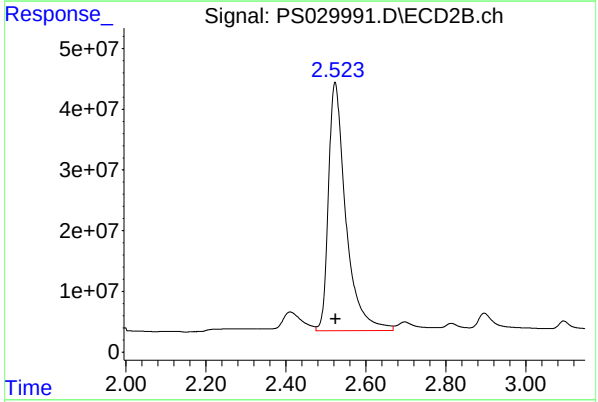
#1 Dalapon

R.T.: 2.449 min
Delta R.T.: 0.001 min
Response: 2892891563
Conc: 706.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

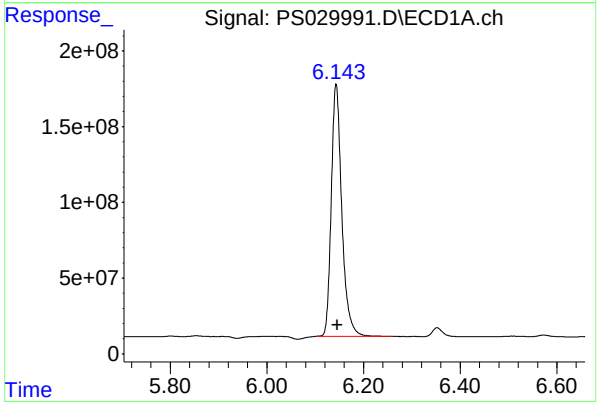
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



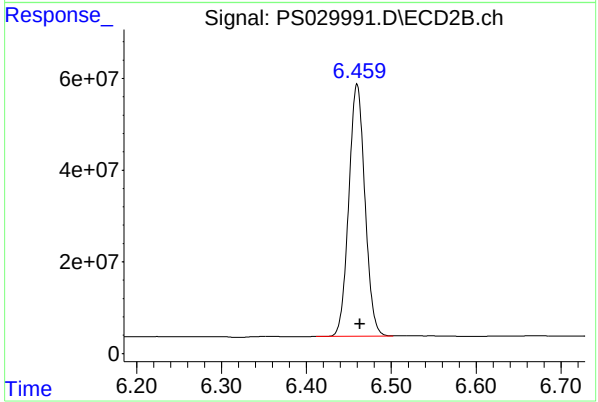
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: -0.001 min
Response: 1234794085
Conc: 711.23 ng/ml



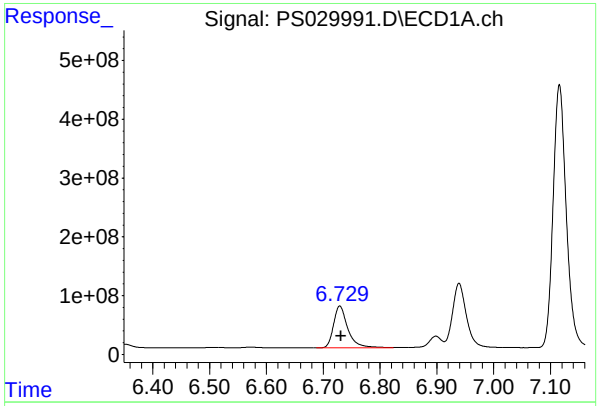
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.143 min
Delta R.T.: -0.002 min
Response: 2518260122
Conc: 704.65 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.460 min
Delta R.T.: -0.003 min
Response: 726137732
Conc: 742.79 ng/ml



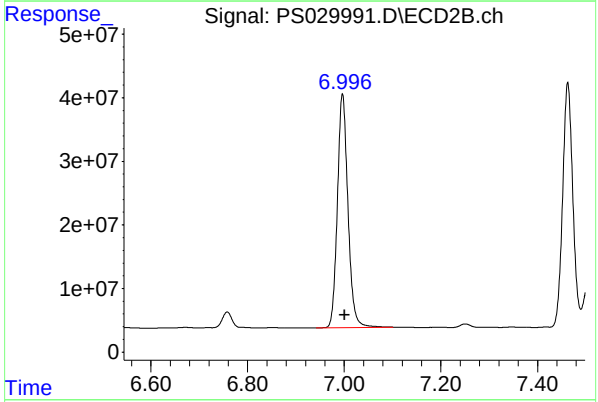
#3 4-Nitrophenol

R.T.: 6.729 min
Delta R.T.: -0.002 min
Response: 1243415669
Conc: 697.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

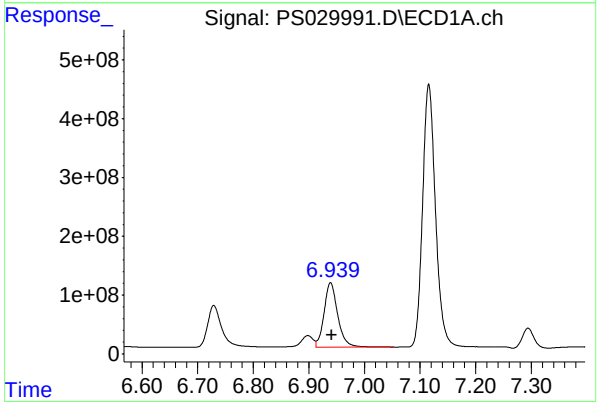
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



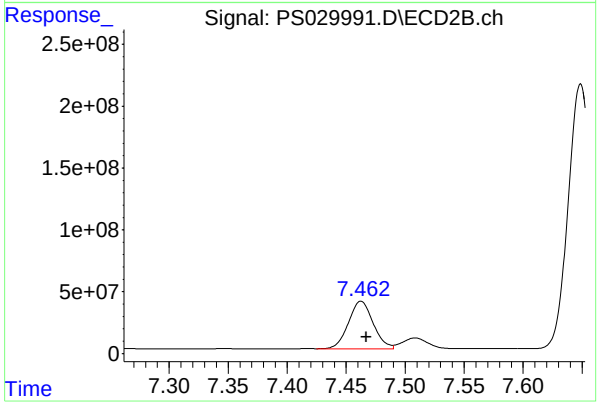
#3 4-Nitrophenol

R.T.: 6.996 min
Delta R.T.: -0.004 min
Response: 555843920
Conc: 725.72 ng/ml



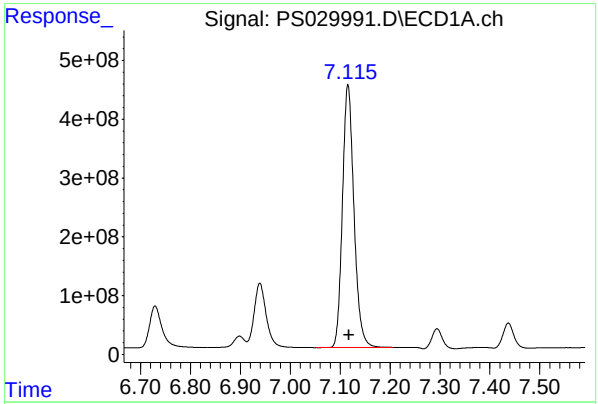
#4 2,4-DCAA

R.T.: 6.939 min
Delta R.T.: -0.002 min
Response: 1866856353
Conc: 758.55 ng/ml



#4 2,4-DCAA

R.T.: 7.463 min
Delta R.T.: -0.004 min
Response: 564353935
Conc: 801.05 ng/ml



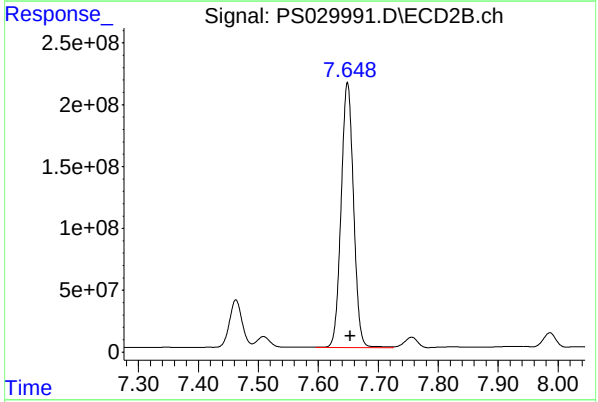
#5 DICAMBA

R.T.: 7.116 min
Delta R.T.: -0.002 min
Response: 7168239889
Conc: 723.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

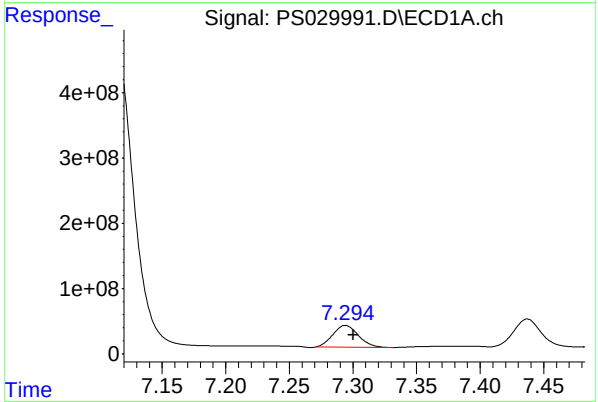
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



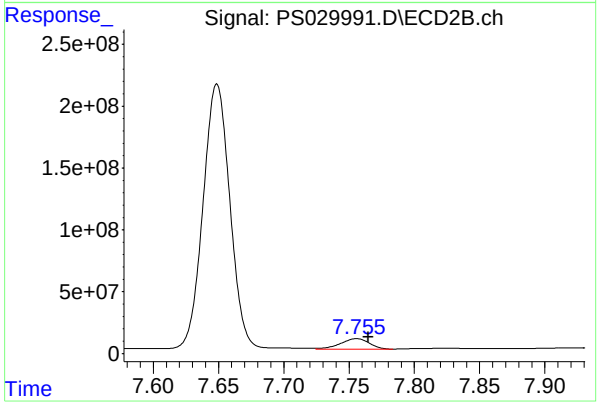
#5 DICAMBA

R.T.: 7.649 min
Delta R.T.: -0.005 min
Response: 3087414925
Conc: 781.61 ng/ml



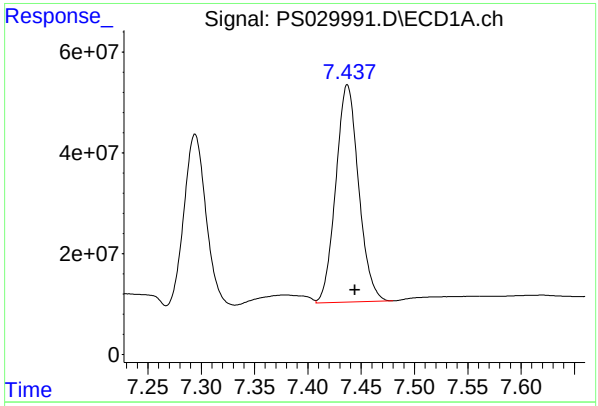
#6 MCPP

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 466598554
Conc: 72.41 ug/ml



#6 MCPP

R.T.: 7.756 min
Delta R.T.: -0.009 min
Response: 128965896
Conc: 73.74 ug/ml



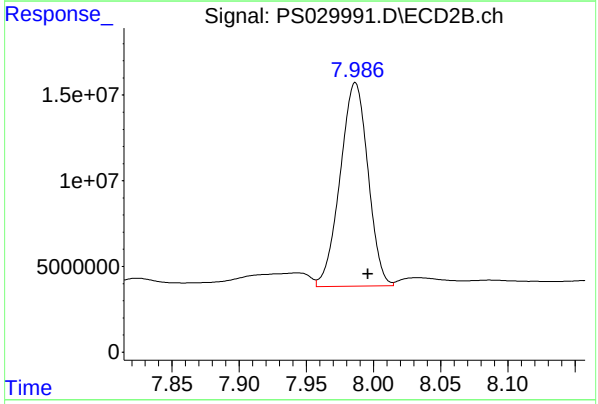
#7 MCPA

R.T.: 7.437 min
Delta R.T.: -0.007 min
Response: 642595119
Conc: 72.76 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

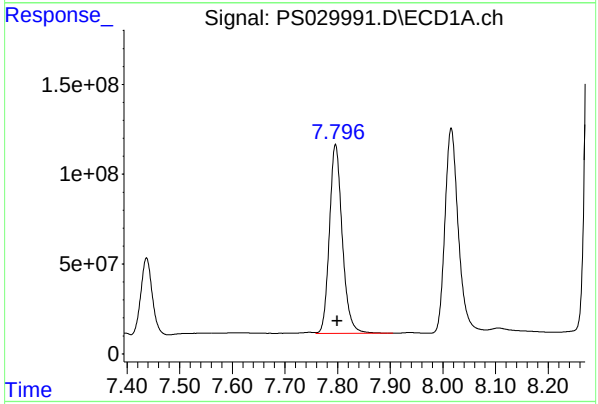
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



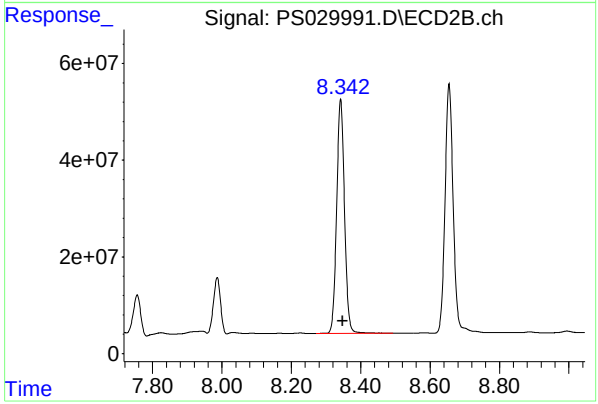
#7 MCPA

R.T.: 7.986 min
Delta R.T.: -0.009 min
Response: 171601600
Conc: 72.53 ug/ml



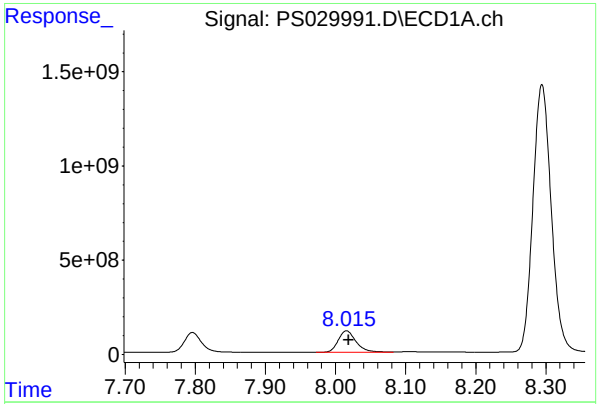
#8 DICHLORPROP

R.T.: 7.796 min
Delta R.T.: -0.003 min
Response: 1785086910
Conc: 704.42 ng/ml



#8 DICHLORPROP

R.T.: 8.342 min
Delta R.T.: -0.006 min
Response: 760570474
Conc: 757.57 ng/ml



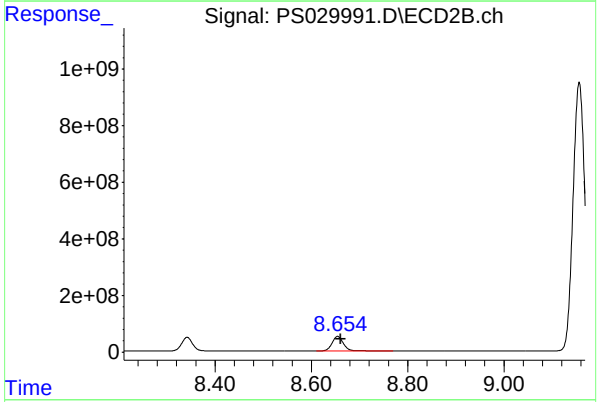
#9 2,4-D

R.T.: 8.016 min
Delta R.T.: -0.003 min
Response: 2013024091
Conc: 715.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

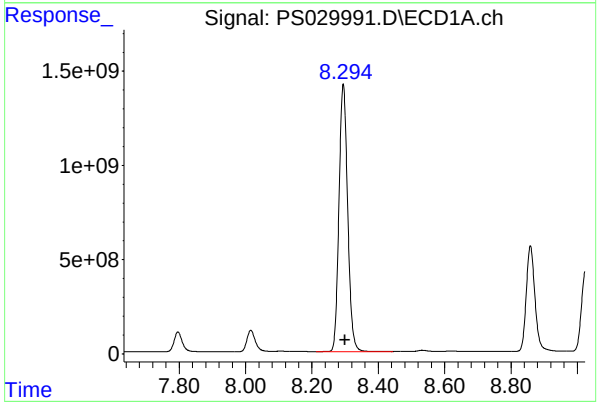
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



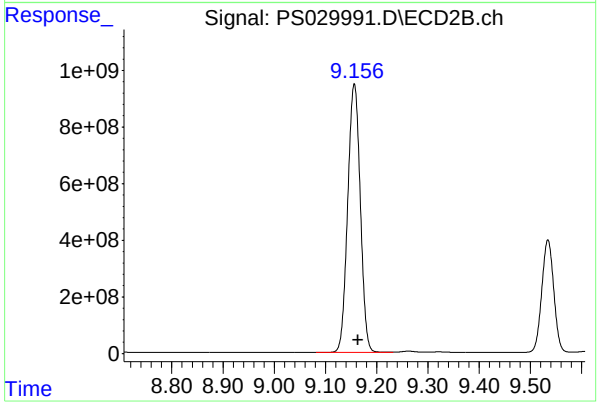
#9 2,4-D

R.T.: 8.655 min
Delta R.T.: -0.007 min
Response: 843350175
Conc: 748.24 ng/ml



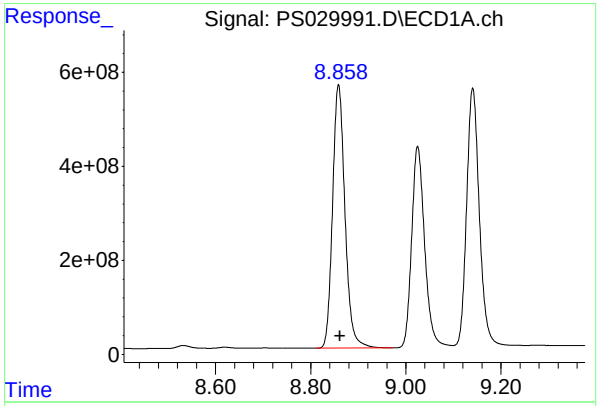
#10 Pentachlorophenol

R.T.: 8.294 min
Delta R.T.: -0.005 min
Response: 25792542501
Conc: 739.36 ng/ml



#10 Pentachlorophenol

R.T.: 9.156 min
Delta R.T.: -0.007 min
Response: 16172585032
Conc: 794.92 ng/ml



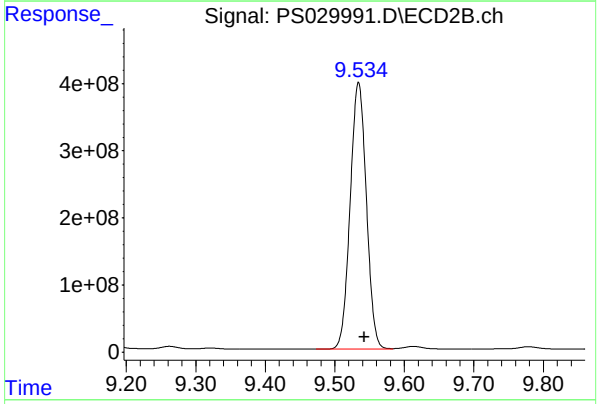
#11 2,4,5-TP (SILVEX)

R.T.: 8.858 min
Delta R.T.: -0.004 min
Response: 10127462888
Conc: 730.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

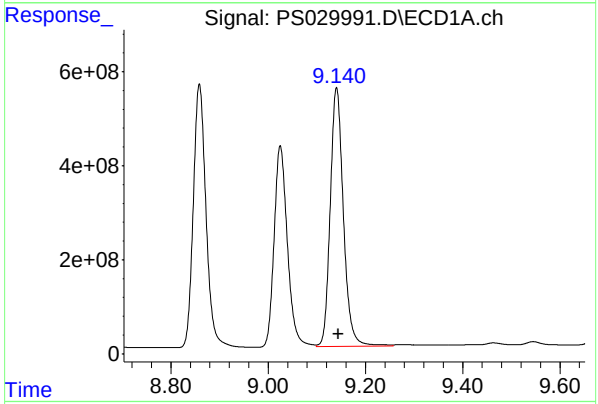
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



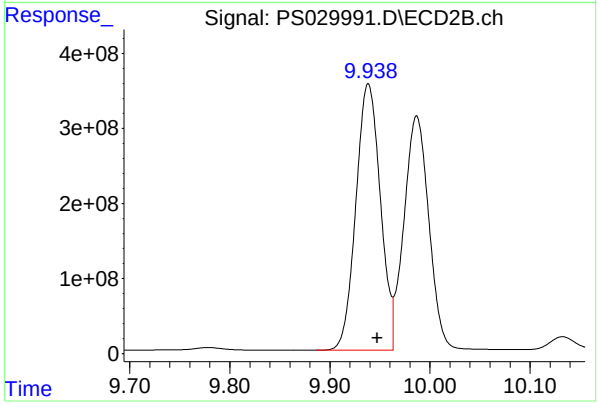
#11 2,4,5-TP (SILVEX)

R.T.: 9.534 min
Delta R.T.: -0.008 min
Response: 6432945338
Conc: 786.26 ng/ml



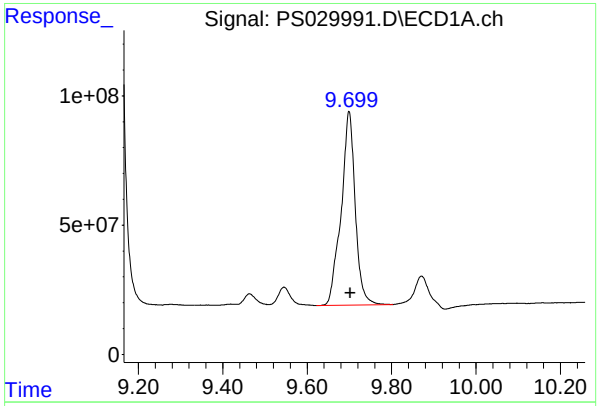
#12 2,4,5-T

R.T.: 9.141 min
Delta R.T.: -0.003 min
Response: 10350875514
Conc: 736.55 ng/ml



#12 2,4,5-T

R.T.: 9.938 min
Delta R.T.: -0.009 min
Response: 6030280570
Conc: 776.84 ng/ml



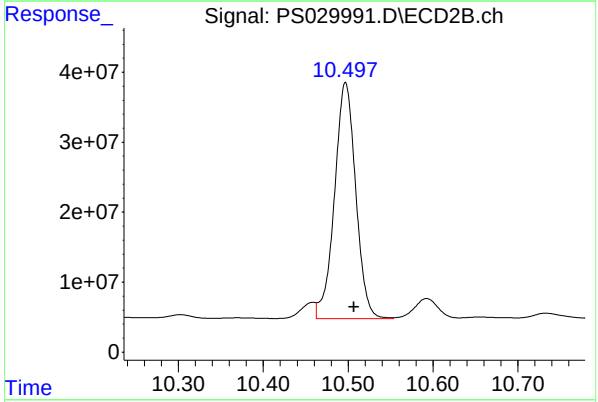
#13 2,4-DB

R.T.: 9.699 min
Delta R.T.: -0.003 min
Response: 1746342018
Conc: 764.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

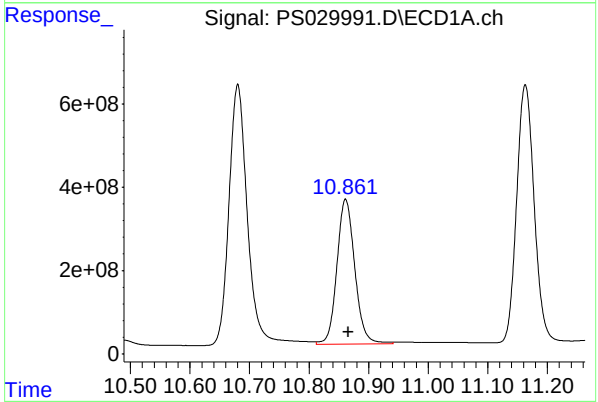
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



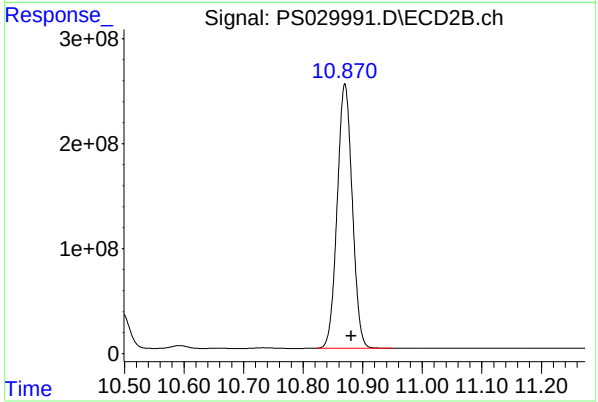
#13 2,4-DB

R.T.: 10.497 min
Delta R.T.: -0.010 min
Response: 586947234
Conc: 729.27 ng/ml



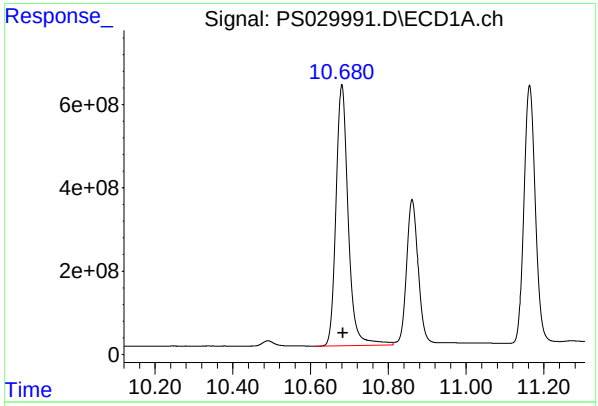
#14 DINOSEB

R.T.: 10.861 min
Delta R.T.: -0.005 min
Response: 7271944355
Conc: 714.80 ng/ml



#14 DINOSEB

R.T.: 10.870 min
Delta R.T.: -0.011 min
Response: 4421665636
Conc: 758.31 ng/ml



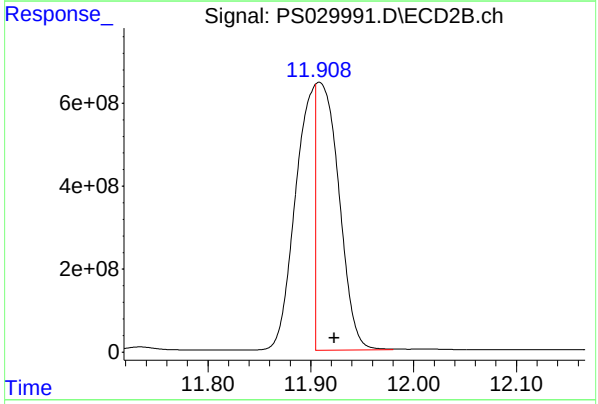
#15 Picloram

R.T.: 10.680 min
Delta R.T.: -0.003 min
Response: 13551620682
Conc: 739.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

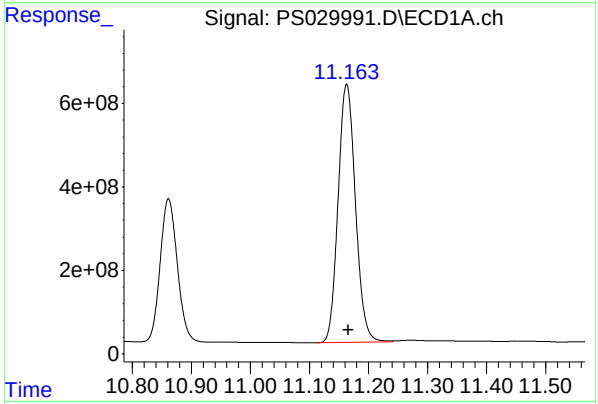
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



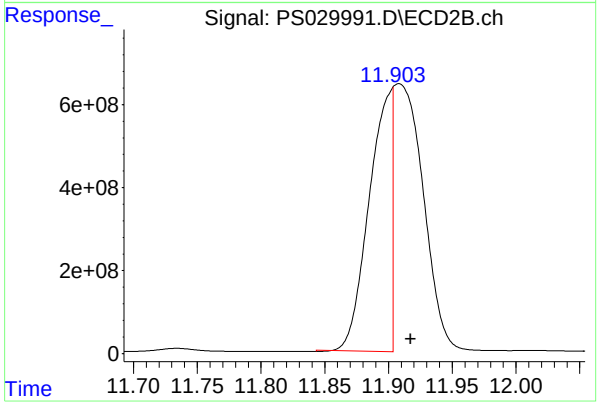
#15 Picloram

R.T.: 11.908 min
Delta R.T.: -0.015 min
Response: 9856886671
Conc: 802.44 ng/ml m



#16 DCPA

R.T.: 11.163 min
Delta R.T.: -0.003 min
Response: 12619577763
Conc: 741.41 ng/ml



#16 DCPA

R.T.: 11.903 min
Delta R.T.: -0.014 min
Response: 8081518817
Conc: 716.98 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/01/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 06:59 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.12	7.12	7.02	7.22	0.01
2,4-DCAA	6.94	6.94	6.84	7.04	0.00
Dalapon	2.45	2.45	2.35	2.55	0.00
DICHLORPROP	7.80	7.80	7.70	7.90	0.00
2,4-D	8.02	8.02	7.92	8.12	0.00
2,4,5-TP(Silvex)	8.86	8.86	8.76	8.96	0.00
2,4,5-T	9.14	9.14	9.04	9.24	0.00
2,4-DB	9.70	9.70	9.60	9.80	0.00
Dinoseb	10.86	10.87	10.77	10.97	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.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/01/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 06:59 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.65	7.65	7.55	7.75	0.00
2,4-DCAA	7.46	7.47	7.37	7.57	0.01
Dalapon	2.52	2.53	2.43	2.63	0.01
DICHLORPROP	8.34	8.35	8.25	8.45	0.01
2,4-D	8.66	8.66	8.56	8.76	0.01
2,4,5-TP(Silvex)	9.53	9.54	9.44	9.64	0.01
2,4,5-T	9.94	9.95	9.85	10.05	0.01
2,4-DB	10.50	10.51	10.41	10.61	0.01
Dinoseb	10.87	10.88	10.78	10.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/01/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030002.D **Time Analyzed:** 06:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.140	9.044	9.244	722.200	712.500	1.4
2,4,5-TP(Silvex)	8.858	8.762	8.962	720.000	712.500	1.1
2,4-D	8.015	7.919	8.119	700.150	705.000	-0.7
2,4-DB	9.698	9.603	9.803	748.260	712.500	5.0
2,4-DCAA	6.939	6.842	7.042	735.570	750.000	-1.9
Dalapon	2.449	2.349	2.549	677.710	682.500	-0.7
DICAMBA	7.115	7.018	7.218	705.880	705.000	0.1
DICHLORPROP	7.796	7.699	7.899	687.850	705.000	-2.4
Dinoseb	10.860	10.766	10.966	690.110	705.000	-2.1

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/01/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030002.D **Time Analyzed:** 06:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.938	9.847	10.047	770.350	712.500	8.1
2,4,5-TP(Silvex)	9.534	9.442	9.642	779.550	712.500	9.4
2,4-D	8.655	8.561	8.761	741.780	705.000	5.2
2,4-DB	10.496	10.407	10.607	739.380	712.500	3.8
2,4-DCAA	7.462	7.367	7.567	794.140	750.000	5.9
Dalapon	2.523	2.425	2.625	696.160	682.500	2.0
DICAMBA	7.648	7.553	7.753	780.920	705.000	10.8
DICHLORPROP	8.342	8.248	8.448	760.750	705.000	7.9
Dinoseb	10.870	10.781	10.981	739.550	705.000	4.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 06:59
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 07:14:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.939	7.462	1810.3E6	559.5E6	735.571	794.137
		Target Compounds						
1)	T	Dalapon	2.449	2.523	2775.4E6	1208.6E6	677.707	696.158
2)	T	3,5-DICHL...	6.143	6.459	2465.8E6	721.5E6	689.978	738.090
3)	T	4-Nitroph...	6.729	6.996	1209.4E6	555.7E6	678.175	725.560
5)	T	DICAMBA	7.115	7.648	6990.3E6	3084.7E6	705.883	780.916
6)	T	MCPP	7.294	7.756	452.6E6	123.1E6	70.239	70.364
7)	T	MCPA	7.437	7.986	612.8E6	164.2E6	69.392	69.420
8)	T	DICHLORPROP	7.796	8.342	1743.1E6	763.8E6	687.852	760.753
9)	T	2,4-D	8.015	8.655	1969.4E6	836.1E6	700.153	741.775
10)	T	Pentachlo...	8.294	9.155	25274.2E6	16072.4E6	724.501	790.000
11)	T	2,4,5-TP ...	8.858	9.534	9981.3E6	6378.1E6	720.003	779.555
12)	T	2,4,5-T	9.140	9.938	10149.2E6	5979.9E6	722.205	770.353
13)	T	2,4-DB	9.698	10.496	1710.1E6	595.1E6	748.265	739.381
14)	T	DINOSEB	10.860	10.870	7020.8E6	4312.3E6	690.113	739.552
15)	T	Picloram	10.679	11.907	13213.8E6	9663.9E6	720.858	786.730m
16)	T	DCPA	11.162	11.904	12337.1E6	8644.1E6	724.817	766.893m

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

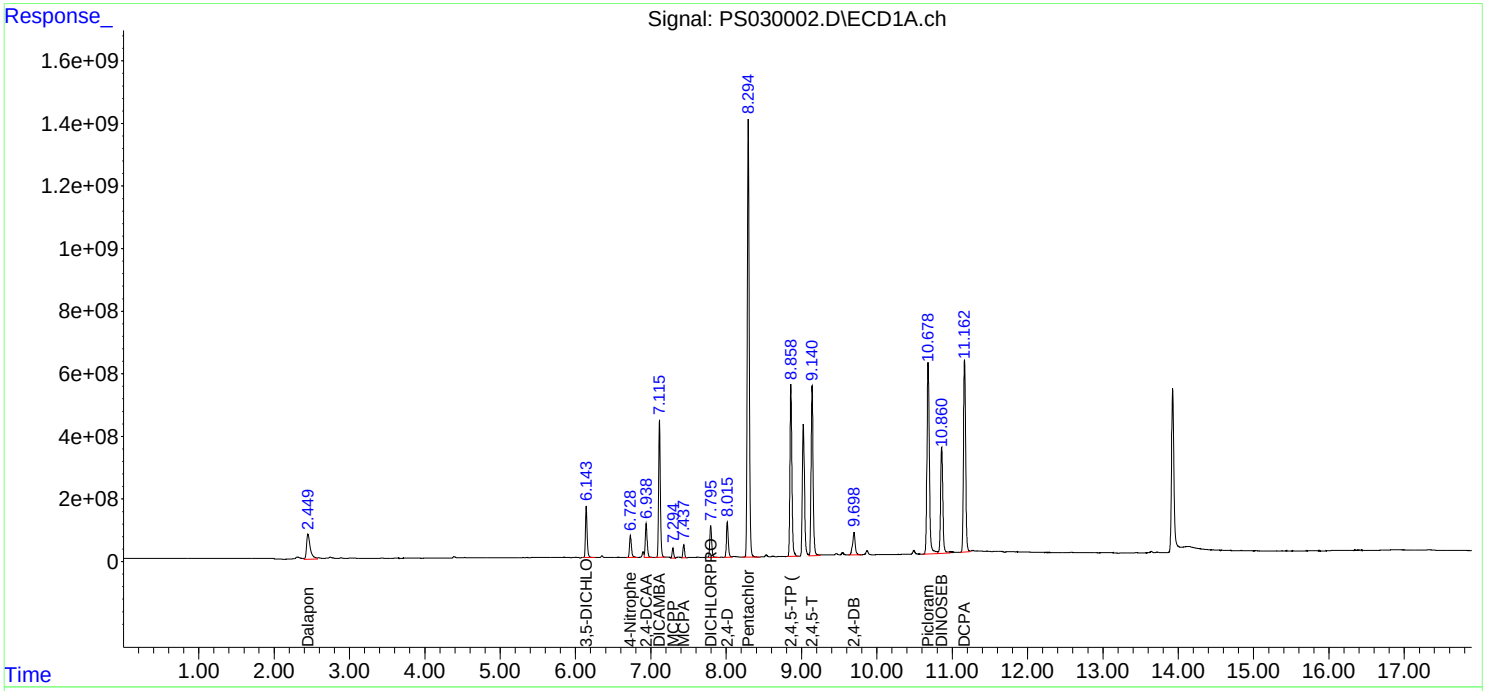
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 06:59
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 30 Sample Multiplier: 1

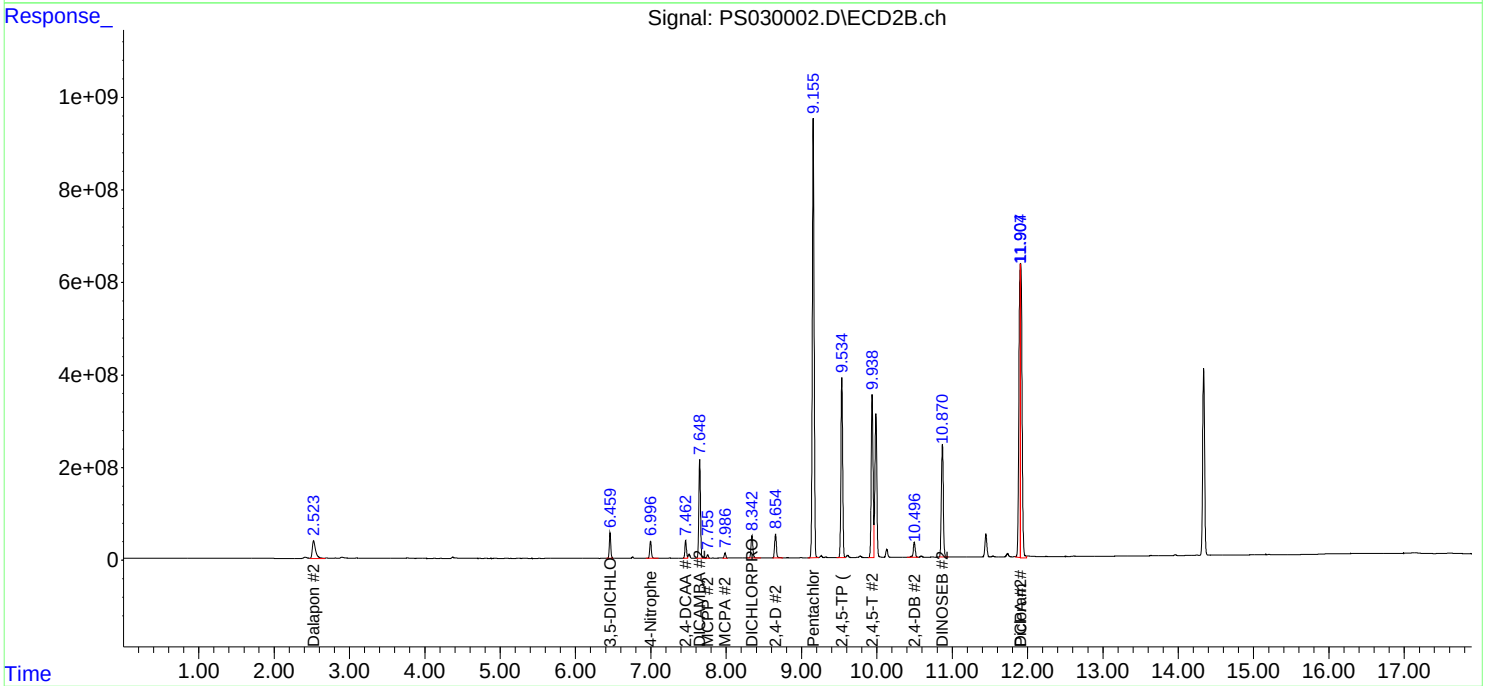
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

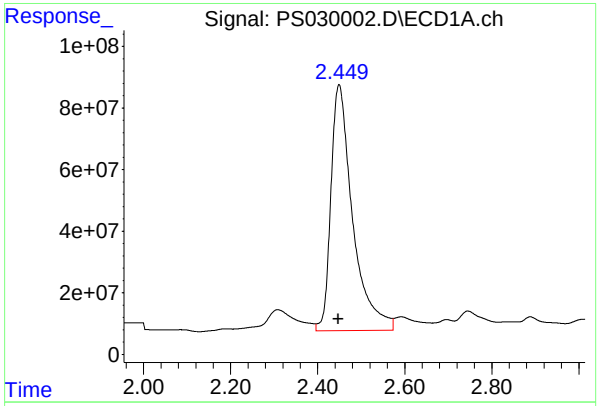
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 07:14:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







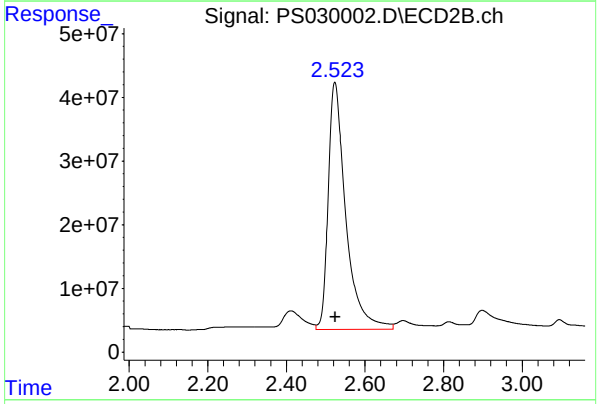
#1 Dalapon

R.T.: 2.449 min
Delta R.T.: 0.001 min
Response: 2775385295
Conc: 677.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

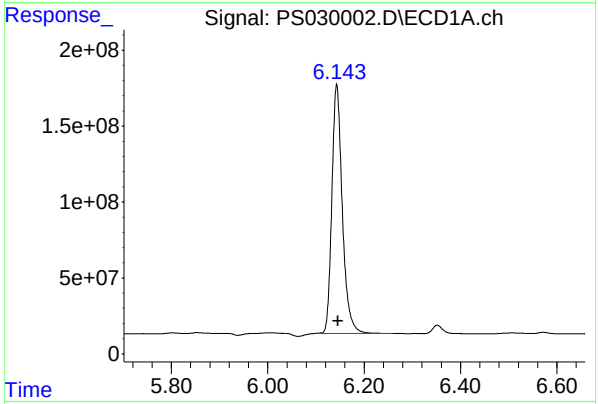
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



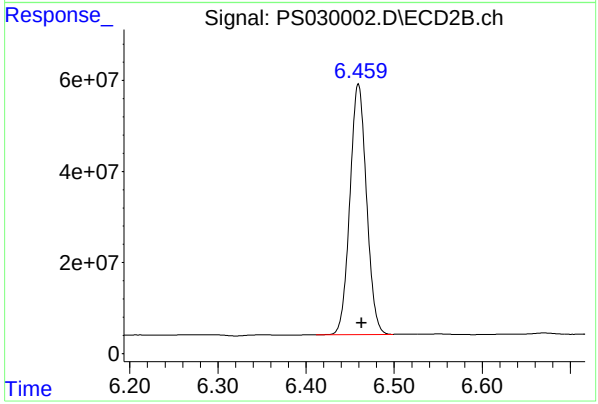
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: 0.000 min
Response: 1208630888
Conc: 696.16 ng/ml



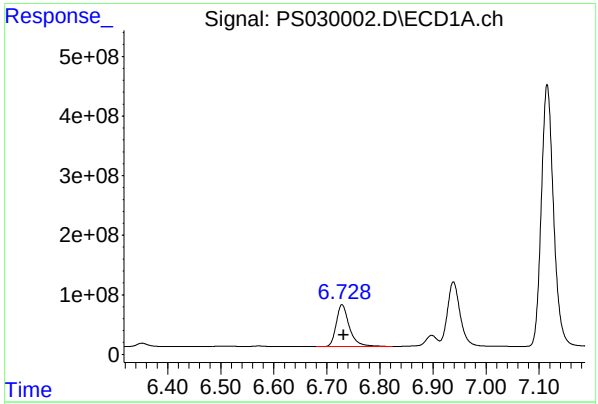
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.143 min
Delta R.T.: -0.002 min
Response: 2465834422
Conc: 689.98 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 721541539
Conc: 738.09 ng/ml



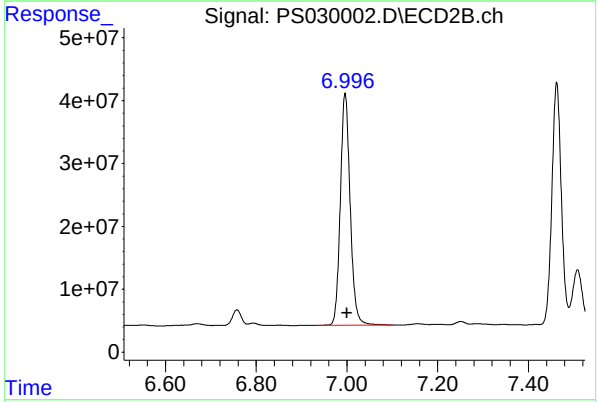
#3 4-Nitrophenol

R.T.: 6.729 min
Delta R.T.: -0.003 min
Response: 1209402202
Conc: 678.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

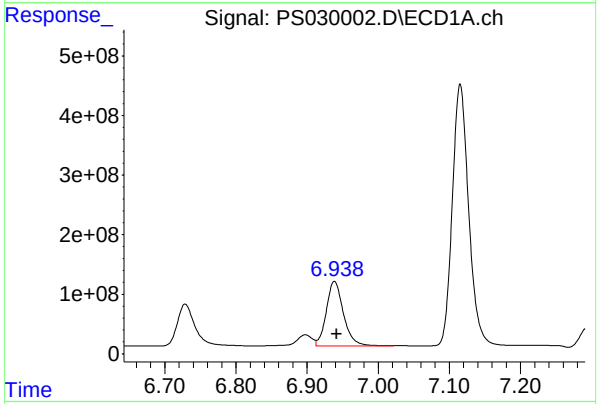
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



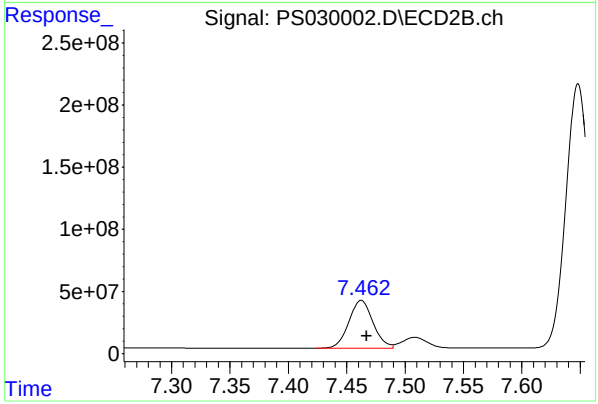
#3 4-Nitrophenol

R.T.: 6.996 min
Delta R.T.: -0.005 min
Response: 555722167
Conc: 725.56 ng/ml



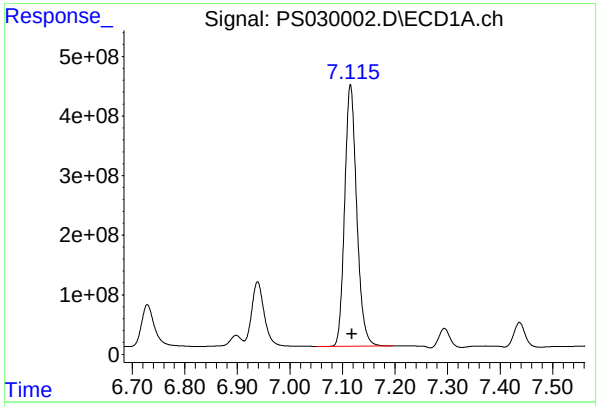
#4 2,4-DCAA

R.T.: 6.939 min
Delta R.T.: -0.003 min
Response: 1810298034
Conc: 735.57 ng/ml



#4 2,4-DCAA

R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 559483066
Conc: 794.14 ng/ml



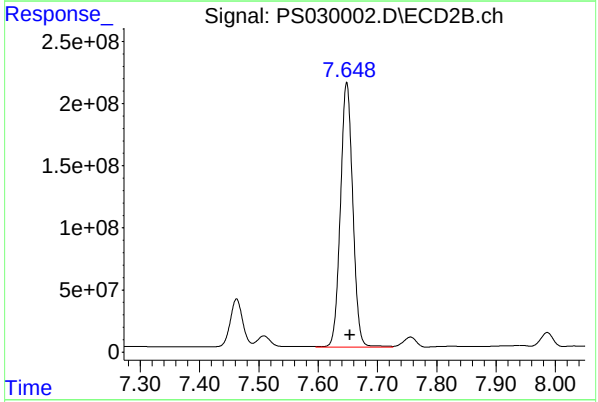
#5 DICAMBA

R.T.: 7.115 min
Delta R.T.: -0.003 min
Response: 6990261354
Conc: 705.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

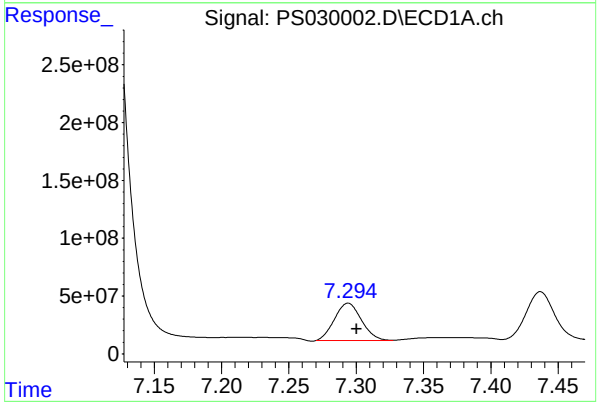
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



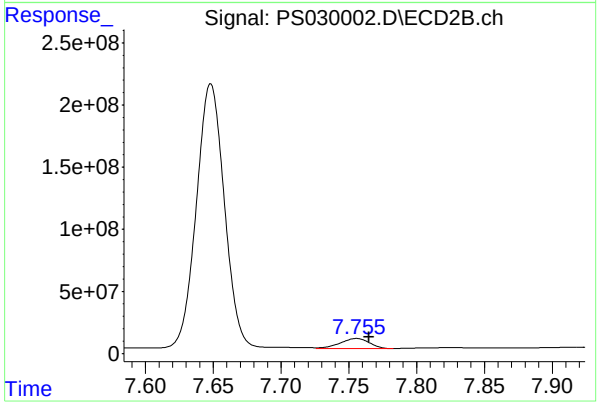
#5 DICAMBA

R.T.: 7.648 min
Delta R.T.: -0.005 min
Response: 3084666816
Conc: 780.92 ng/ml



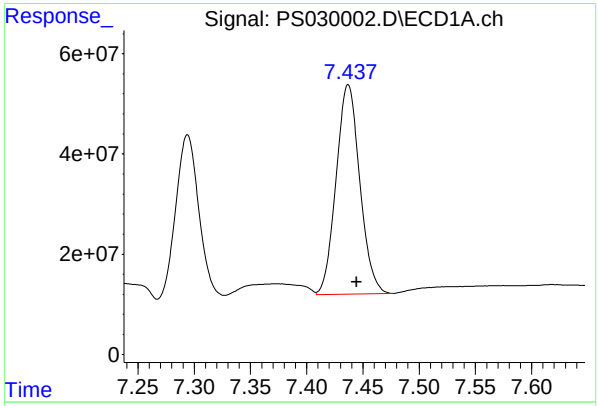
#6 MCPP

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 452596677
Conc: 70.24 ug/ml



#6 MCPP

R.T.: 7.756 min
Delta R.T.: -0.009 min
Response: 123062529
Conc: 70.36 ug/ml



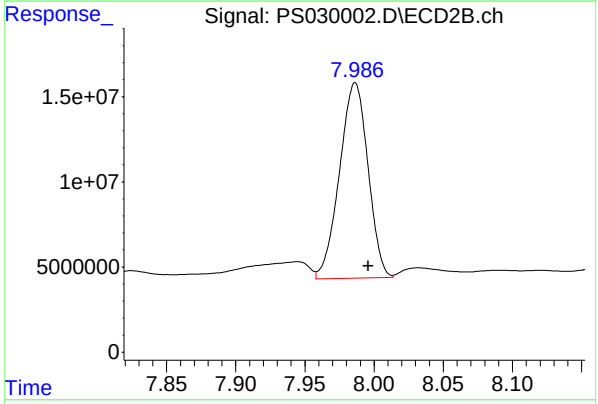
#7 MCPA

R.T.: 7.437 min
Delta R.T.: -0.008 min
Response: 612821796
Conc: 69.39 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

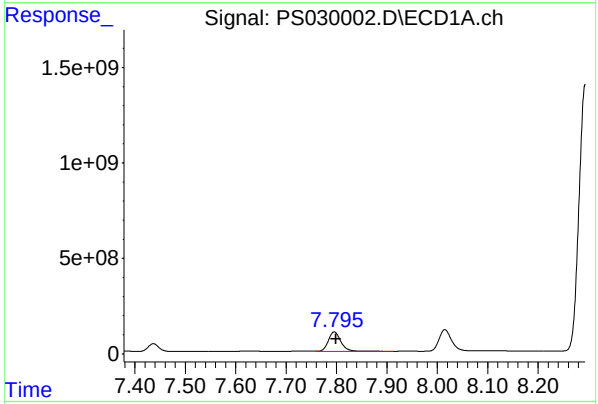
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



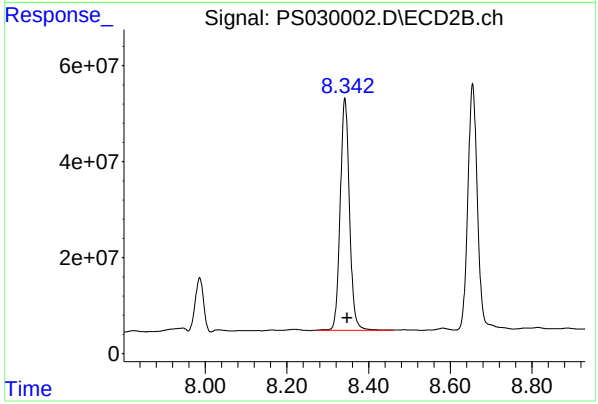
#7 MCPA

R.T.: 7.986 min
Delta R.T.: -0.009 min
Response: 164234366
Conc: 69.42 ug/ml



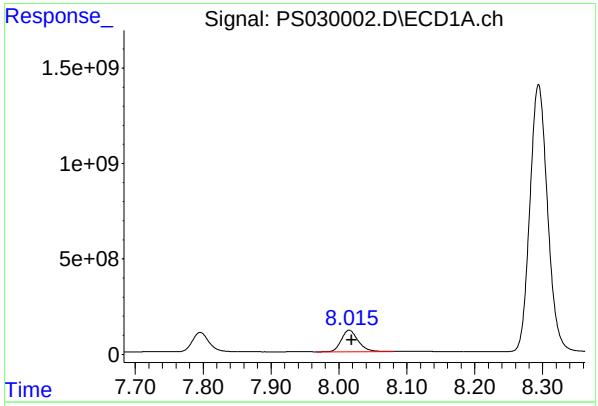
#8 DICHLORPROP

R.T.: 7.796 min
Delta R.T.: -0.003 min
Response: 1743091262
Conc: 687.85 ng/ml



#8 DICHLORPROP

R.T.: 8.342 min
Delta R.T.: -0.006 min
Response: 763768910
Conc: 760.75 ng/ml



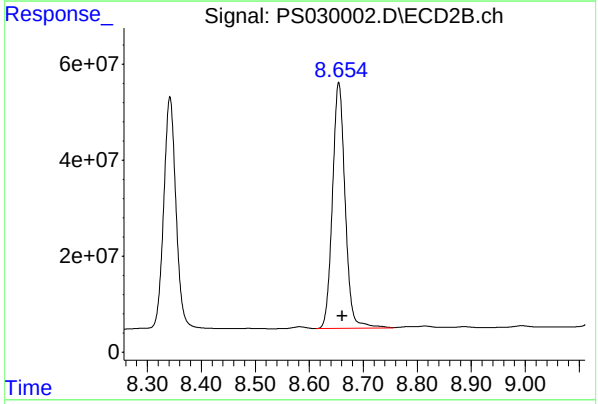
#9 2,4-D

R.T.: 8.015 min
Delta R.T.: -0.004 min
Response: 1969440235
Conc: 700.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

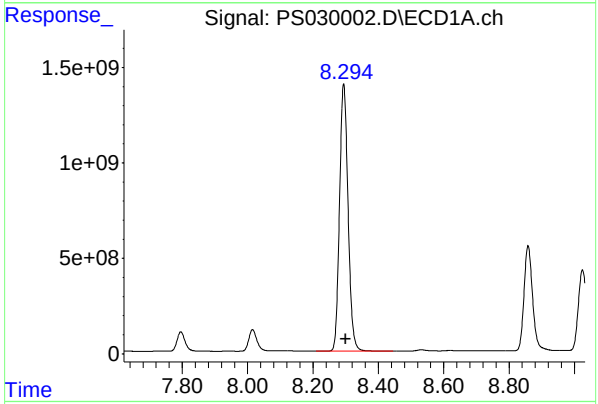
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



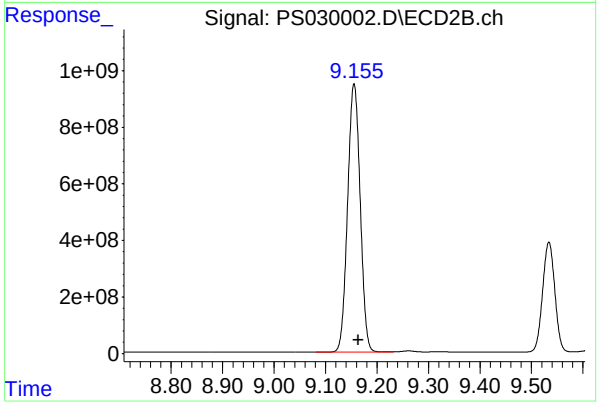
#9 2,4-D

R.T.: 8.655 min
Delta R.T.: -0.006 min
Response: 836059988
Conc: 741.78 ng/ml



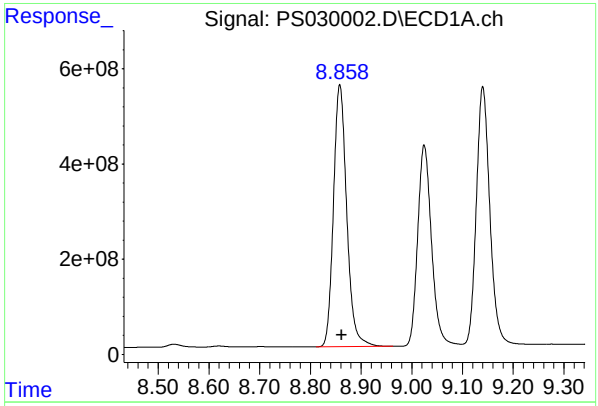
#10 Pentachlorophenol

R.T.: 8.294 min
Delta R.T.: -0.006 min
Response: 25274216279
Conc: 724.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.155 min
Delta R.T.: -0.008 min
Response: 16072410428
Conc: 790.00 ng/ml



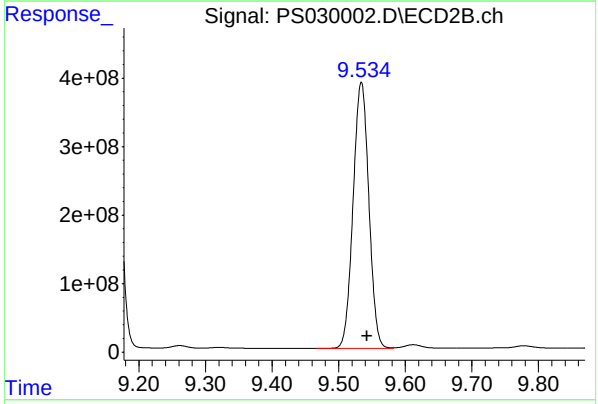
#11 2,4,5-TP (SILVEX)

R.T.: 8.858 min
Delta R.T.: -0.004 min
Response: 9981291001
Conc: 720.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

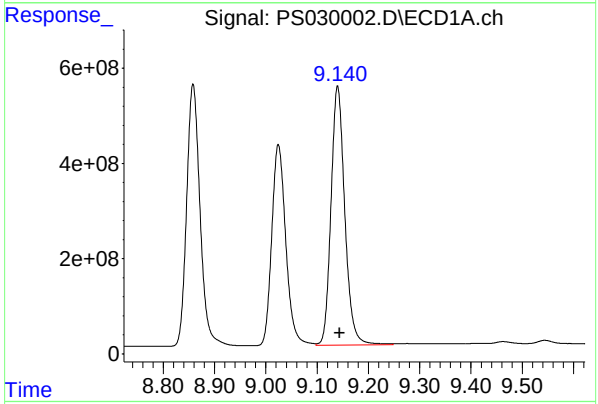
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



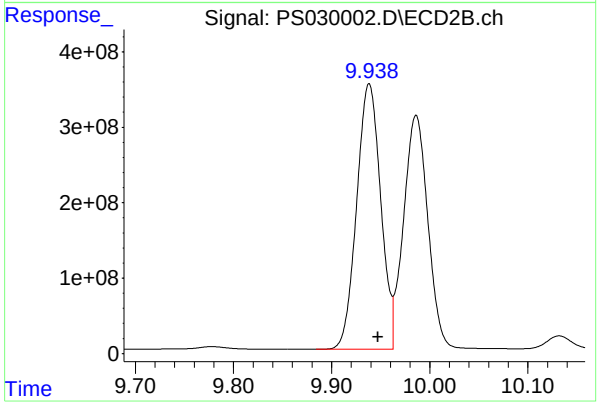
#11 2,4,5-TP (SILVEX)

R.T.: 9.534 min
Delta R.T.: -0.009 min
Response: 6378120993
Conc: 779.55 ng/ml



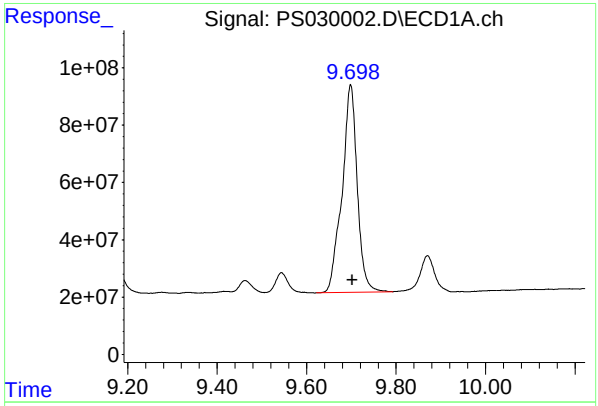
#12 2,4,5-T

R.T.: 9.140 min
Delta R.T.: -0.004 min
Response: 10149222516
Conc: 722.20 ng/ml



#12 2,4,5-T

R.T.: 9.938 min
Delta R.T.: -0.009 min
Response: 5979942577
Conc: 770.35 ng/ml



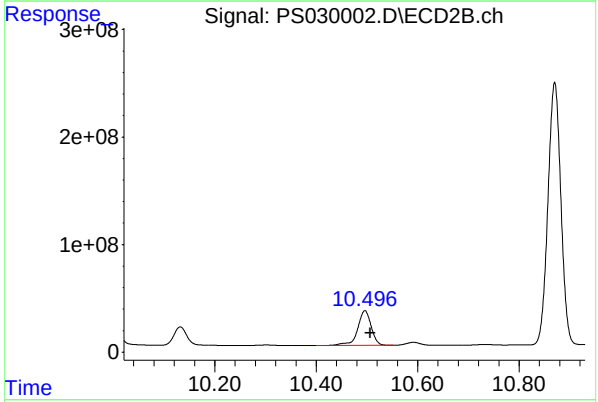
#13 2,4-DB

R.T.: 9.698 min
Delta R.T.: -0.004 min
Response: 1710051124
Conc: 748.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

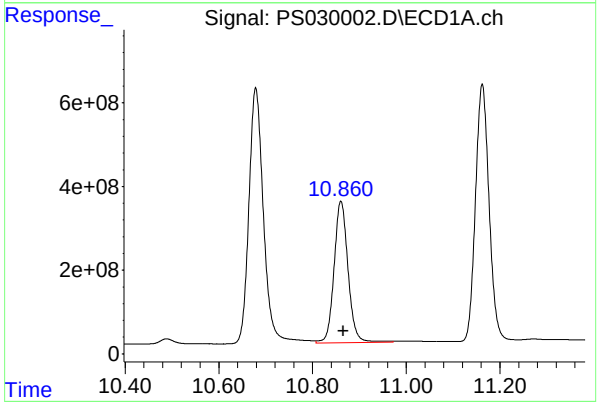
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



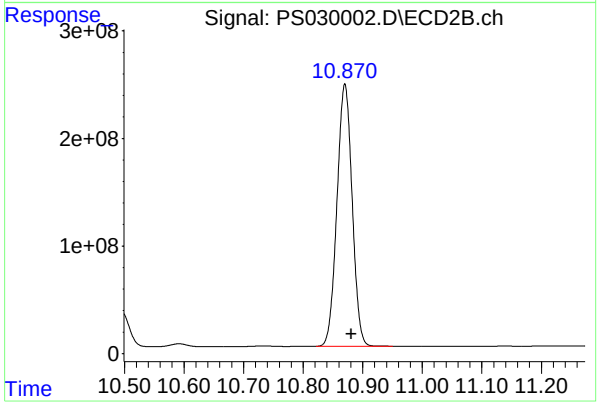
#13 2,4-DB

R.T.: 10.496 min
Delta R.T.: -0.010 min
Response: 595085100
Conc: 739.38 ng/ml



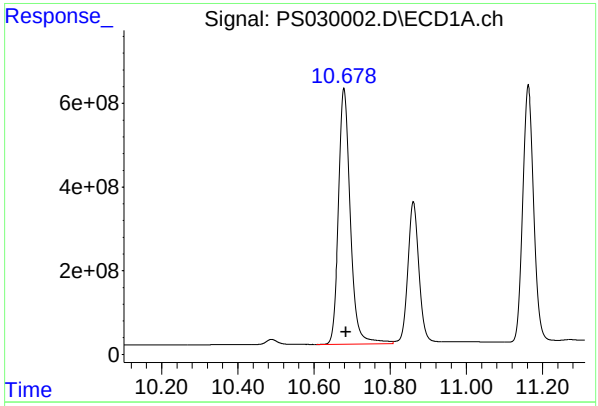
#14 DINOSEB

R.T.: 10.860 min
Delta R.T.: -0.005 min
Response: 7020810578
Conc: 690.11 ng/ml



#14 DINOSEB

R.T.: 10.870 min
Delta R.T.: -0.011 min
Response: 4312313988
Conc: 739.55 ng/ml



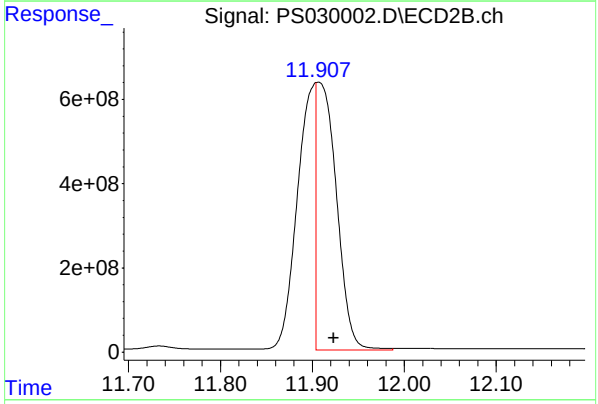
#15 Picloram

R.T.: 10.679 min
Delta R.T.: -0.005 mi
Response: 13213782052
Conc: 720.86 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

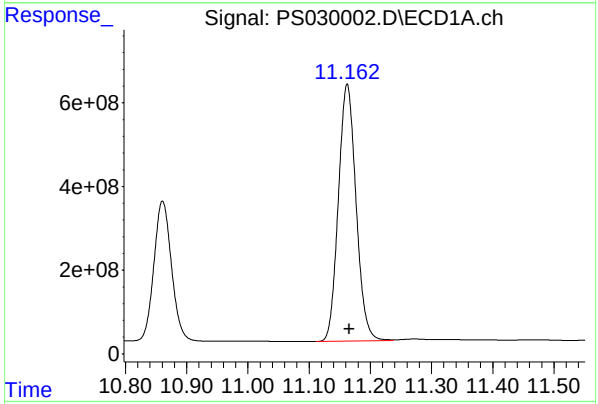
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



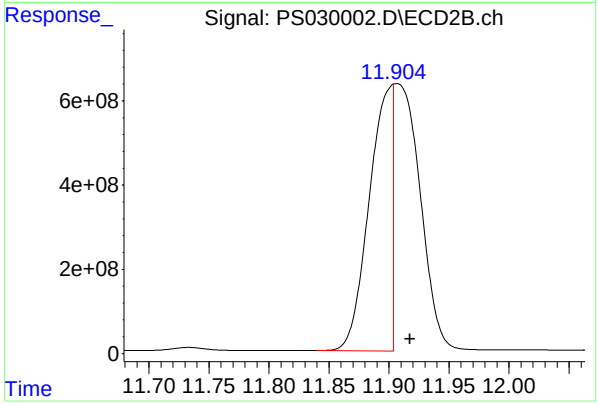
#15 Picloram

R.T.: 11.907 min
Delta R.T.: -0.016 min
Response: 9663913283
Conc: 786.73 ng/ml m



#16 DCPA

R.T.: 11.162 min
Delta R.T.: -0.004 min
Response: 12337113007
Conc: 724.82 ng/ml



#16 DCPA

R.T.: 11.904 min
Delta R.T.: -0.014 min
Response: 8644146772
Conc: 766.89 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/01/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 12:12 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.12	7.12	7.02	7.22	0.00
2,4-DCAA	6.94	6.94	6.84	7.04	0.00
Dalapon	2.45	2.45	2.35	2.55	0.00
DICHLORPROP	7.80	7.80	7.70	7.90	0.00
2,4-D	8.02	8.02	7.92	8.12	0.00
2,4,5-TP(Silvex)	8.86	8.86	8.76	8.96	0.00
2,4,5-T	9.14	9.14	9.04	9.24	0.00
2,4-DB	9.70	9.70	9.60	9.80	0.00
Dinoseb	10.86	10.87	10.77	10.97	0.01

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/01/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 12:12 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.65	7.65	7.55	7.75	0.00
2,4-DCAA	7.46	7.47	7.37	7.57	0.01
Dalapon	2.52	2.53	2.43	2.63	0.01
DICHLORPROP	8.34	8.35	8.25	8.45	0.01
2,4-D	8.65	8.66	8.56	8.76	0.01
2,4,5-TP(Silvex)	9.53	9.54	9.44	9.64	0.01
2,4,5-T	9.94	9.95	9.85	10.05	0.01
2,4-DB	10.50	10.51	10.41	10.61	0.02
Dinoseb	10.87	10.88	10.78	10.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/01/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030013.D **Time Analyzed:** 12:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.140	9.044	9.244	745.600	712.500	4.6
2,4,5-TP(Silvex)	8.858	8.762	8.962	742.010	712.500	4.1
2,4-D	8.015	7.919	8.119	720.060	705.000	2.1
2,4-DB	9.698	9.603	9.803	763.740	712.500	7.2
2,4-DCAA	6.939	6.842	7.042	760.450	750.000	1.4
Dalapon	2.450	2.349	2.549	694.070	682.500	1.7
DICAMBA	7.116	7.018	7.218	728.740	705.000	3.4
DICHLORPROP	7.796	7.699	7.899	708.330	705.000	0.5
Dinoseb	10.861	10.766	10.966	719.310	705.000	2.0

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/01/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030013.D **Time Analyzed:** 12:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.937	9.847	10.047	784.080	712.500	10.0
2,4,5-TP(Silvex)	9.533	9.442	9.642	796.690	712.500	11.8
2,4-D	8.654	8.561	8.761	757.120	705.000	7.4
2,4-DB	10.495	10.407	10.607	757.220	712.500	6.3
2,4-DCAA	7.462	7.367	7.567	820.590	750.000	9.4
Dalapon	2.523	2.425	2.625	705.560	682.500	3.4
DICAMBA	7.648	7.553	7.753	800.730	705.000	13.6
DICHLORPROP	8.341	8.248	8.448	768.250	705.000	9.0
Dinoseb	10.869	10.781	10.981	755.960	705.000	7.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 12:12
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 04:57:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.939	7.462	1871.5E6	578.1E6	760.455	820.588
		Target Compounds						
1)	T	Dalapon	2.450	2.523	2842.4E6	1225.0E6	694.072	705.564
2)	T	3,5-DICHL...	6.143	6.459	2534.7E6	733.0E6	709.256	749.766
3)	T	4-Nitroph...	6.729	6.996	1248.9E6	553.9E6	700.337	723.117
5)	T	DICAMBA	7.116	7.648	7216.6E6	3162.9E6	728.740	800.727
6)	T	MCPP	7.294	7.755	476.8E6	127.0E6	73.990	72.588
7)	T	MCPA	7.437	7.986	642.0E6	173.5E6	72.694	73.321
8)	T	DICHLORPROP	7.796	8.341	1795.0E6	771.3E6	708.332	768.253
9)	T	2,4-D	8.015	8.654	2025.4E6	853.4E6	720.064	757.125
10)	T	Pentachlo...	8.294	9.155	25966.6E6	16440.0E6	744.350	808.069
11)	T	2,4,5-TP ...	8.858	9.533	10286.3E6	6518.3E6	742.007	796.691
12)	T	2,4,5-T	9.140	9.937	10478.0E6	6086.5E6	745.600	784.085
13)	T	2,4-DB	9.698	10.495	1745.4E6	609.4E6	763.742	757.220
14)	T	DINOSEB	10.861	10.869	7317.8E6	4408.0E6	719.308	755.957
15)	T	Picloram	10.680	11.905	13288.4E6	8972.7E6	724.926	730.458m
16)	T	DCPA	11.162	11.901	12725.4E6	7783.9E6	747.629	690.569m

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

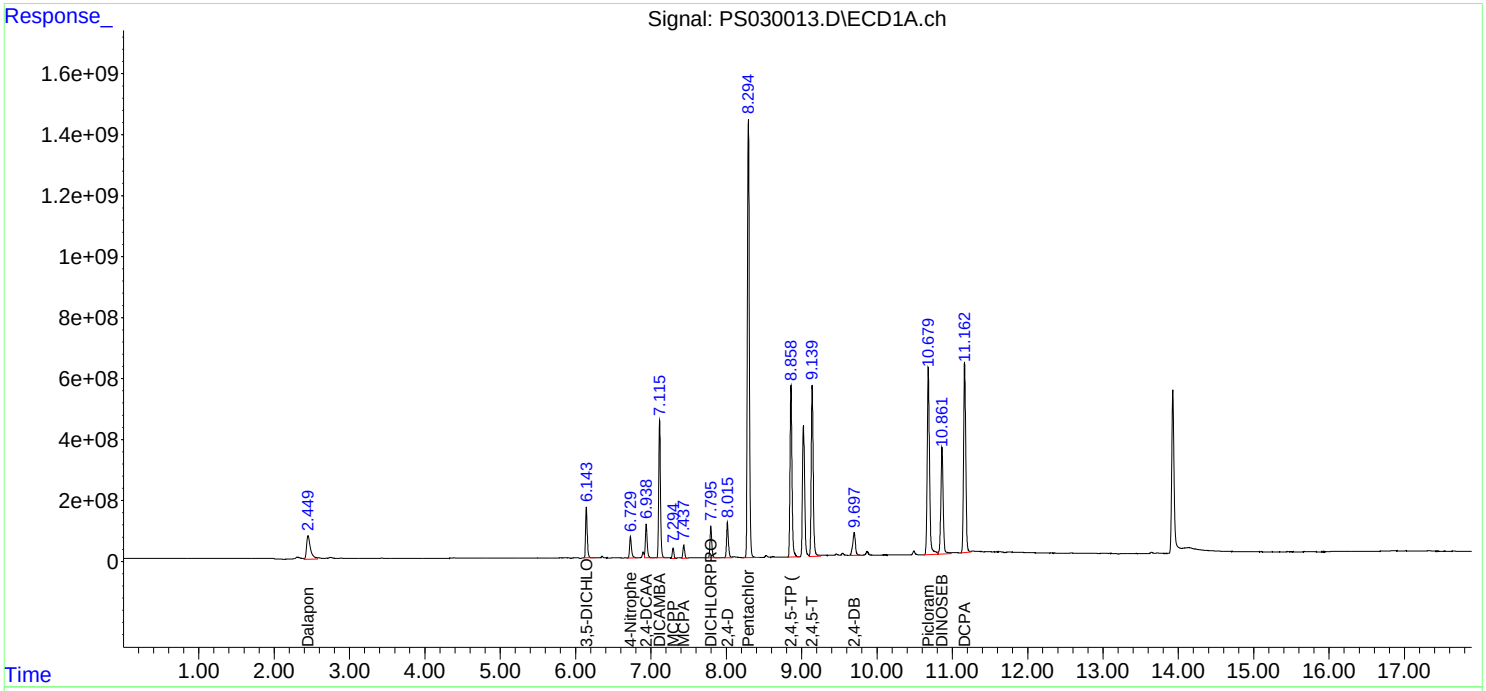
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 12:12
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

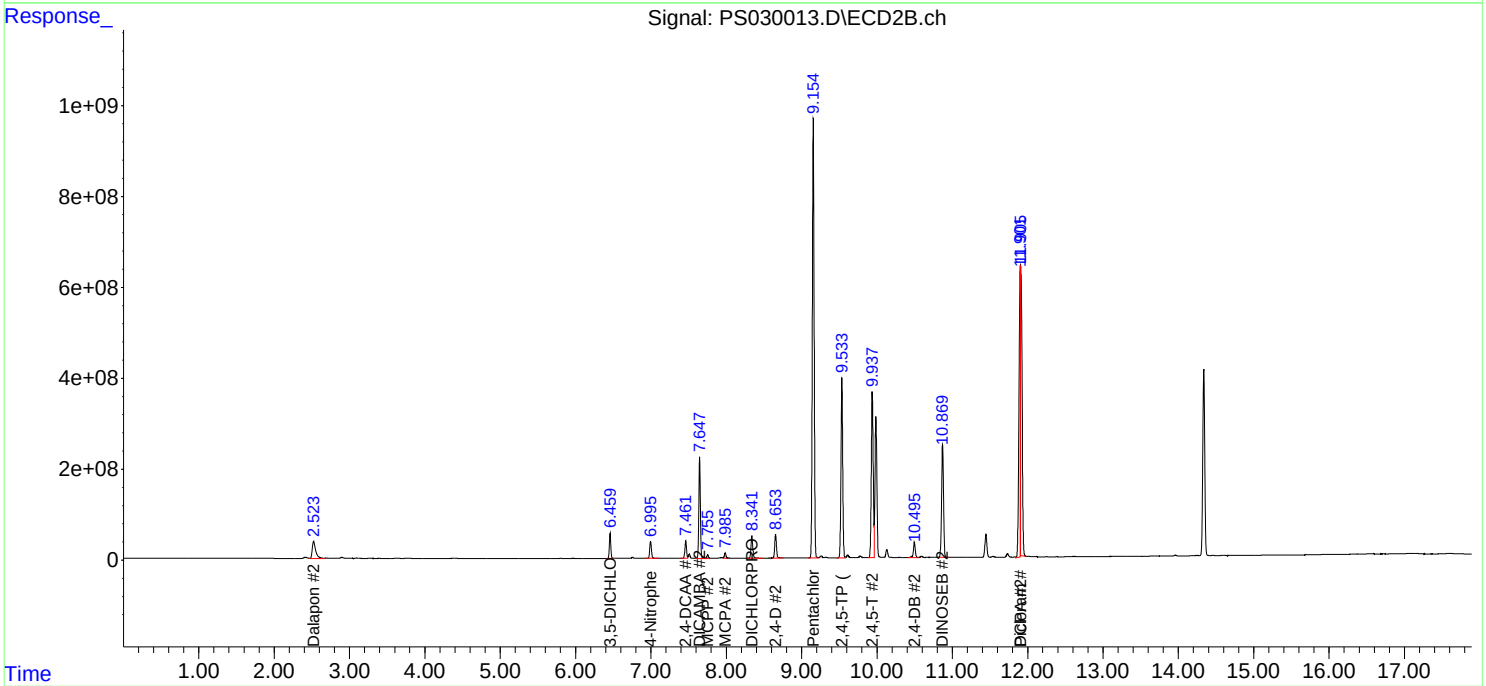
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

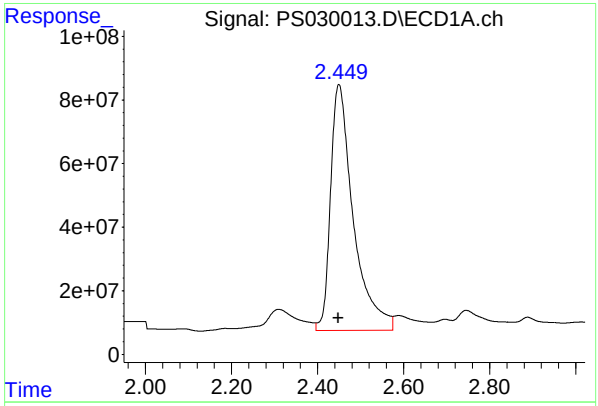
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 04:57:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







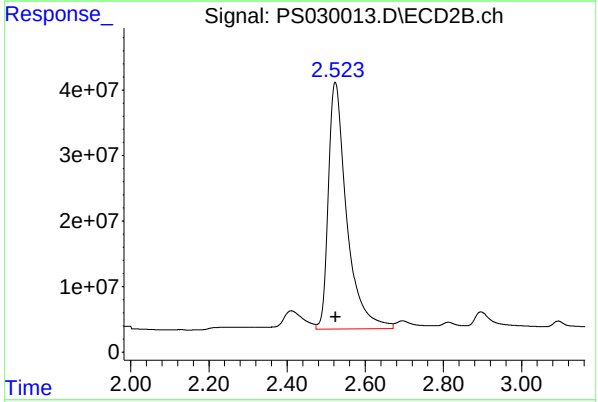
#1 Dalapon

R.T.: 2.450 min
Delta R.T.: 0.002 min
Response: 2842405390
Conc: 694.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

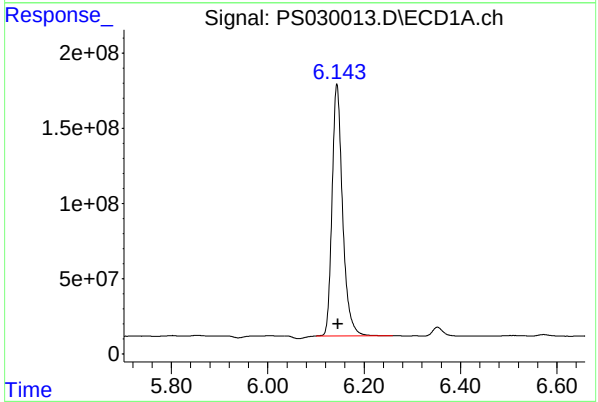
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



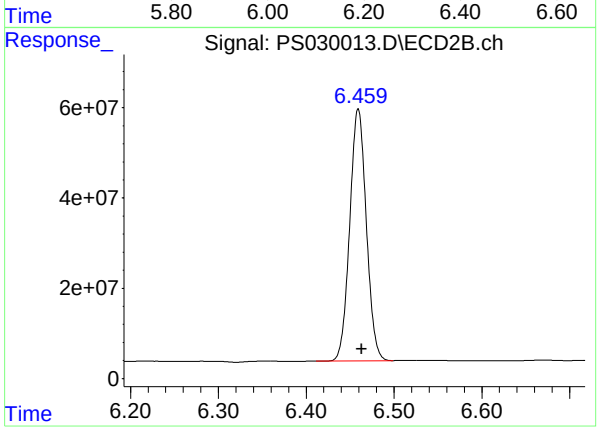
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: -0.001 min
Response: 1224960796
Conc: 705.56 ng/ml



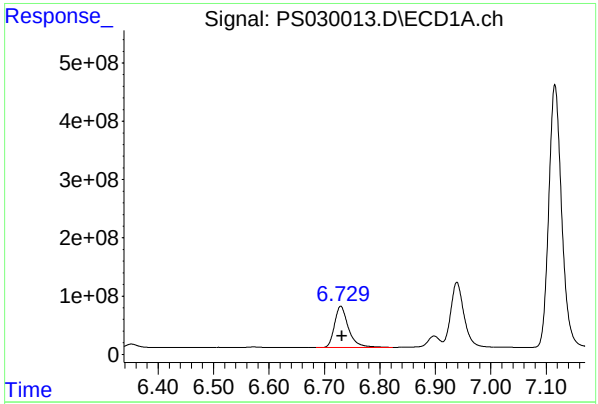
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.143 min
Delta R.T.: -0.002 min
Response: 2534729517
Conc: 709.26 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 732955479
Conc: 749.77 ng/ml



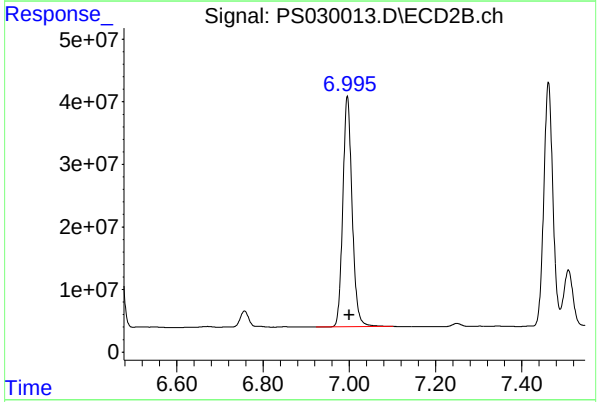
#3 4-Nitrophenol

R.T.: 6.729 min
Delta R.T.: -0.002 min
Response: 1248924020
Conc: 700.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

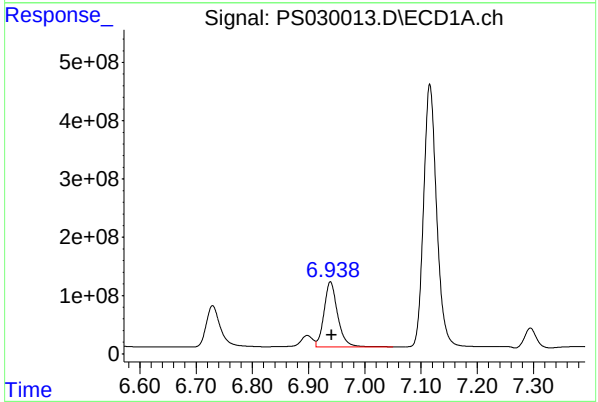
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



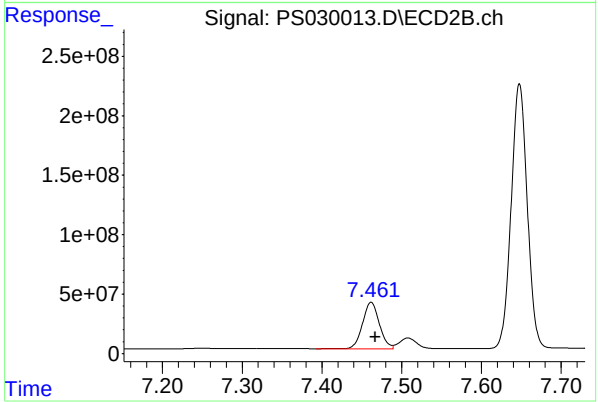
#3 4-Nitrophenol

R.T.: 6.996 min
Delta R.T.: -0.005 min
Response: 553850837
Conc: 723.12 ng/ml



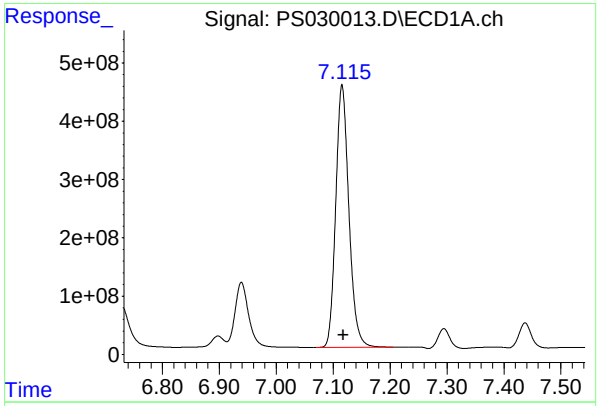
#4 2,4-DCAA

R.T.: 6.939 min
Delta R.T.: -0.003 min
Response: 1871539269
Conc: 760.45 ng/ml



#4 2,4-DCAA

R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 578117969
Conc: 820.59 ng/ml



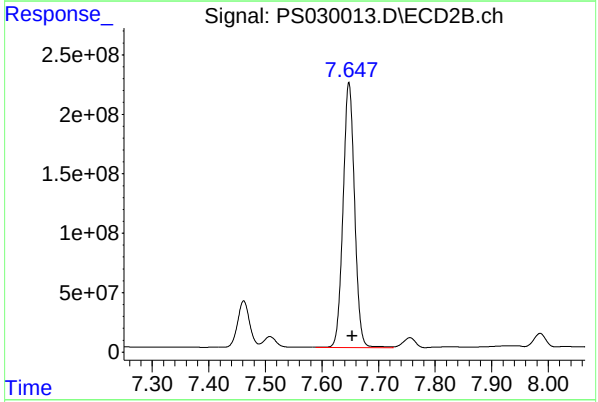
#5 DICAMBA

R.T.: 7.116 min
Delta R.T.: -0.002 mi
Response: 7216610889
Conc: 728.74 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

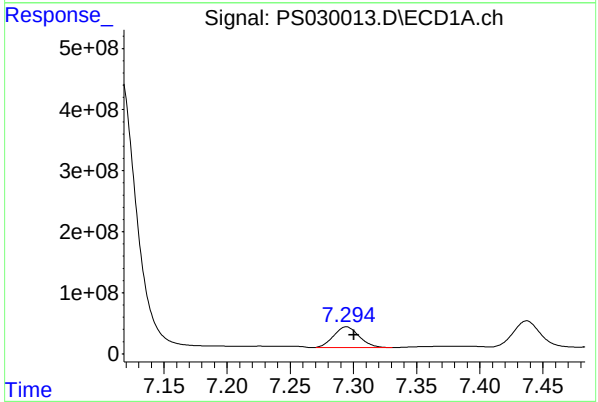
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



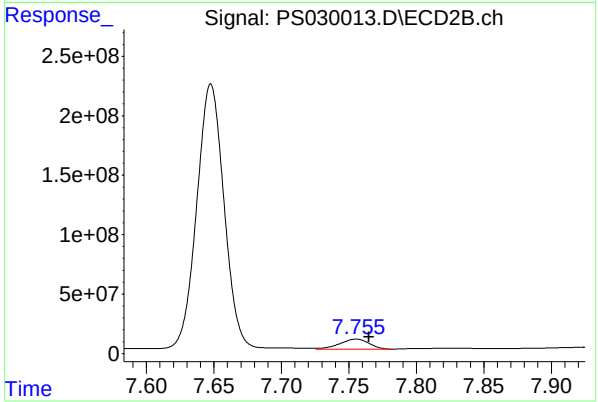
#5 DICAMBA

R.T.: 7.648 min
Delta R.T.: -0.006 min
Response: 3162921794
Conc: 800.73 ng/ml



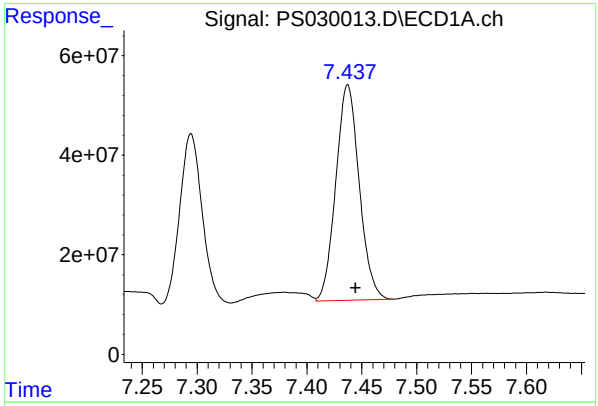
#6 MCPP

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 476765864
Conc: 73.99 ug/ml



#6 MCPP

R.T.: 7.755 min
Delta R.T.: -0.009 min
Response: 126951961
Conc: 72.59 ug/ml



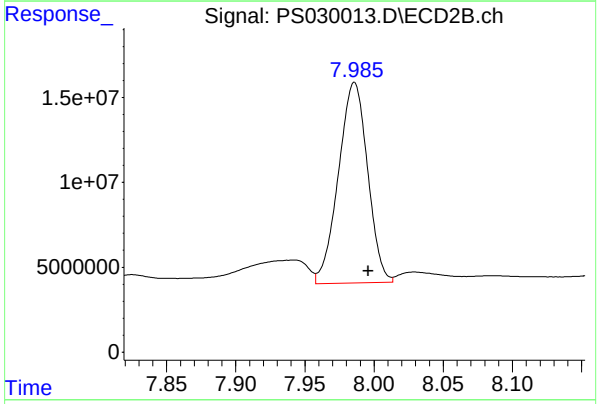
#7 MCPA

R.T.: 7.437 min
Delta R.T.: -0.007 min
Response: 641986097
Conc: 72.69 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

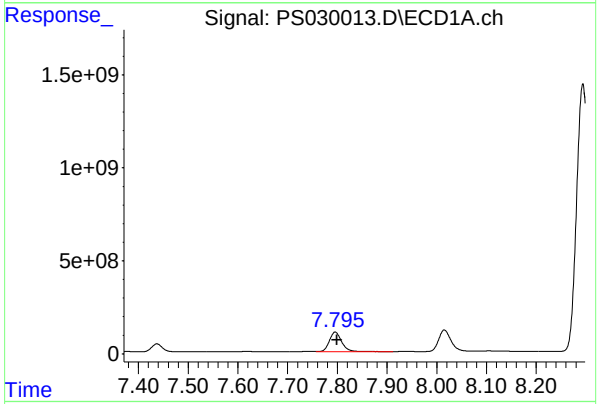
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



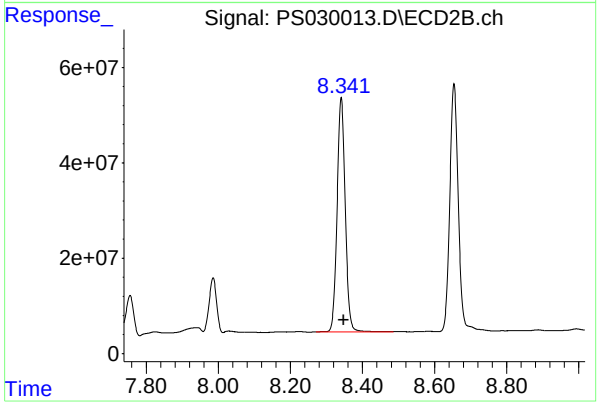
#7 MCPA

R.T.: 7.986 min
Delta R.T.: -0.010 min
Response: 173462992
Conc: 73.32 ug/ml



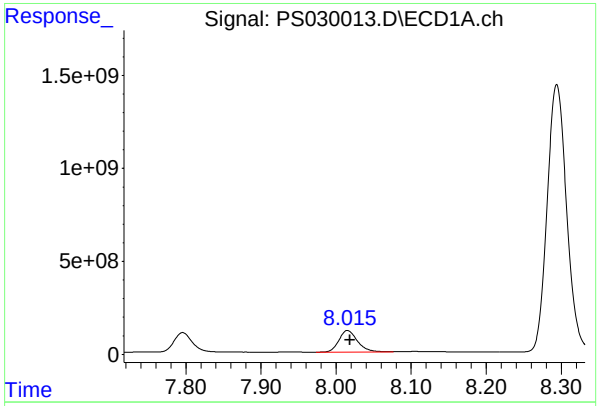
#8 DICHLORPROP

R.T.: 7.796 min
Delta R.T.: -0.003 min
Response: 1794988816
Conc: 708.33 ng/ml



#8 DICHLORPROP

R.T.: 8.341 min
Delta R.T.: -0.007 min
Response: 771298752
Conc: 768.25 ng/ml



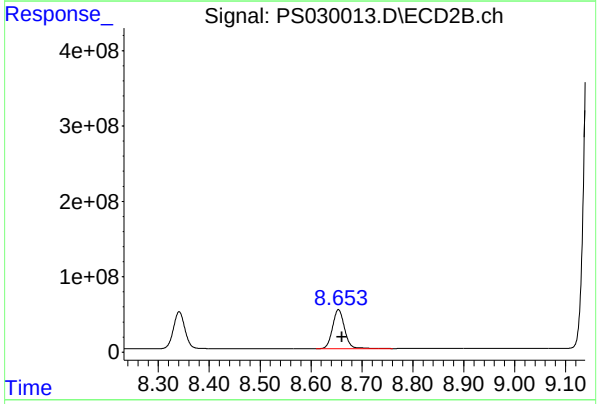
#9 2,4-D

R.T.: 8.015 min
Delta R.T.: -0.003 min
Response: 2025447050
Conc: 720.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

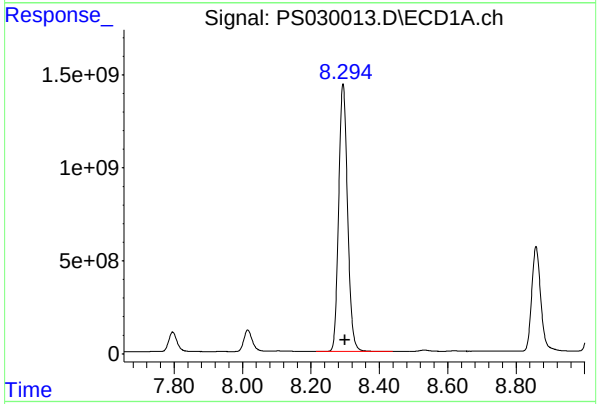
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



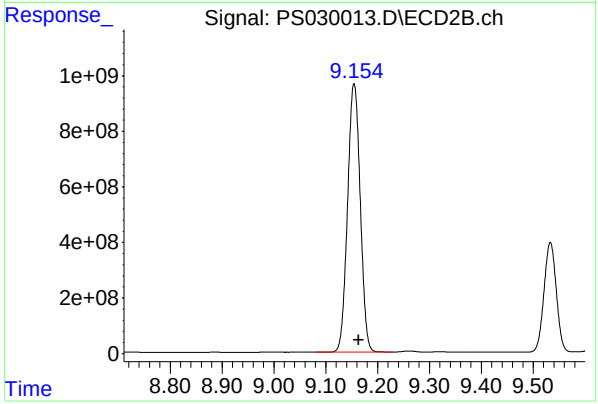
#9 2,4-D

R.T.: 8.654 min
Delta R.T.: -0.007 min
Response: 853360684
Conc: 757.12 ng/ml



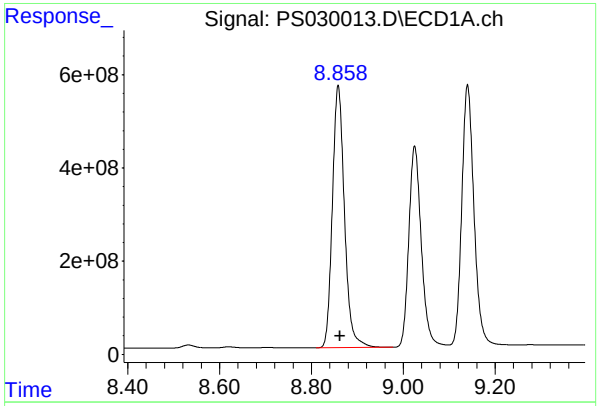
#10 Pentachlorophenol

R.T.: 8.294 min
Delta R.T.: -0.006 min
Response: 25966648022
Conc: 744.35 ng/ml



#10 Pentachlorophenol

R.T.: 9.155 min
Delta R.T.: -0.009 min
Response: 16440020170
Conc: 808.07 ng/ml



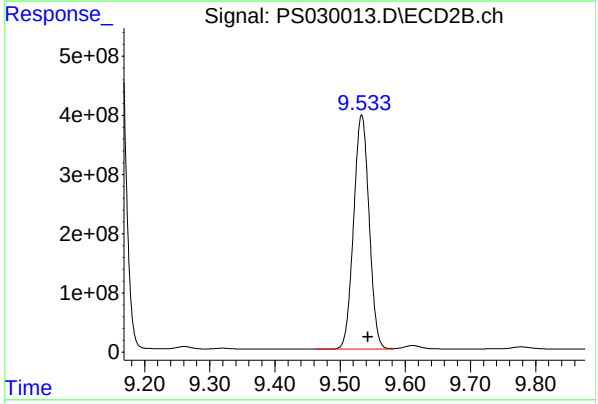
#11 2,4,5-TP (SILVEX)

R.T.: 8.858 min
Delta R.T.: -0.004 min
Response: 10286319183
Conc: 742.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

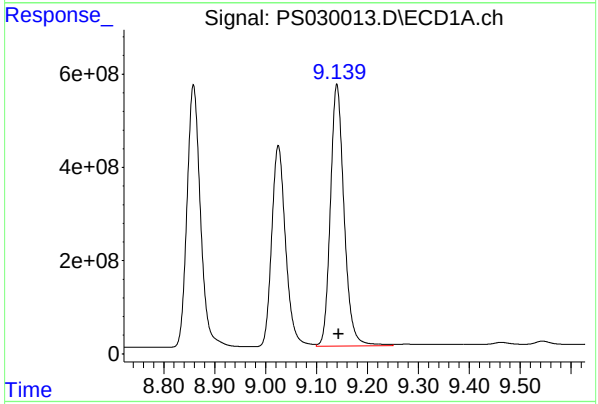
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



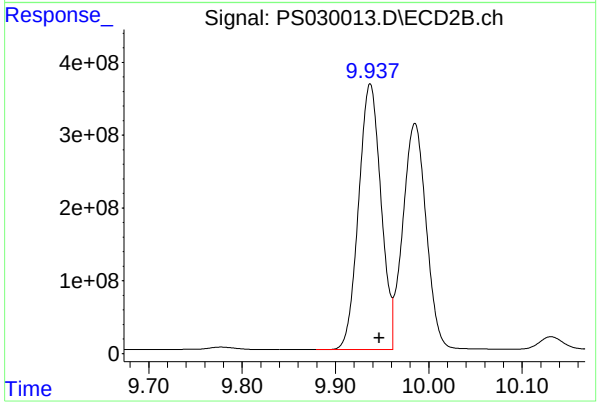
#11 2,4,5-TP (SILVEX)

R.T.: 9.533 min
Delta R.T.: -0.010 min
Response: 6518329316
Conc: 796.69 ng/ml



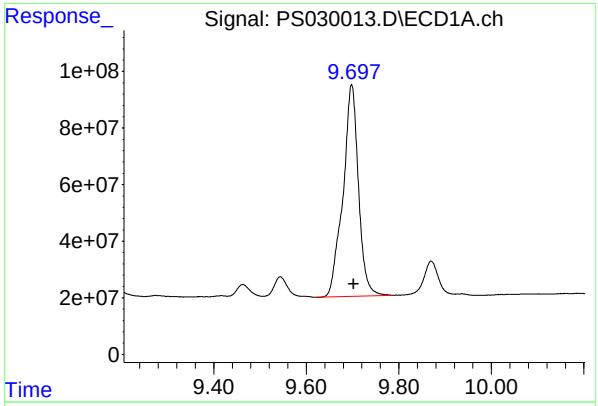
#12 2,4,5-T

R.T.: 9.140 min
Delta R.T.: -0.004 min
Response: 10478000956
Conc: 745.60 ng/ml



#12 2,4,5-T

R.T.: 9.937 min
Delta R.T.: -0.010 min
Response: 6086536736
Conc: 784.08 ng/ml



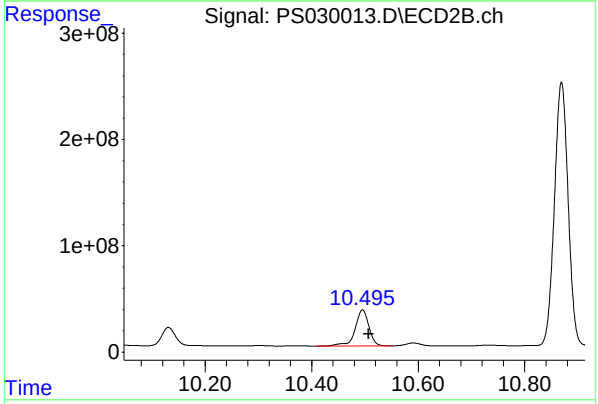
#13 2,4-DB

R.T.: 9.698 min
Delta R.T.: -0.004 min
Response: 1745423457
Conc: 763.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

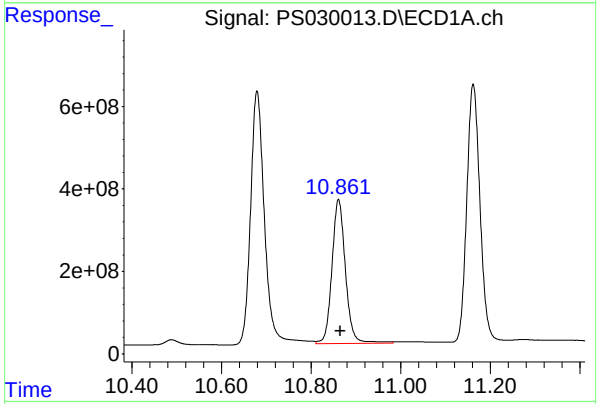
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



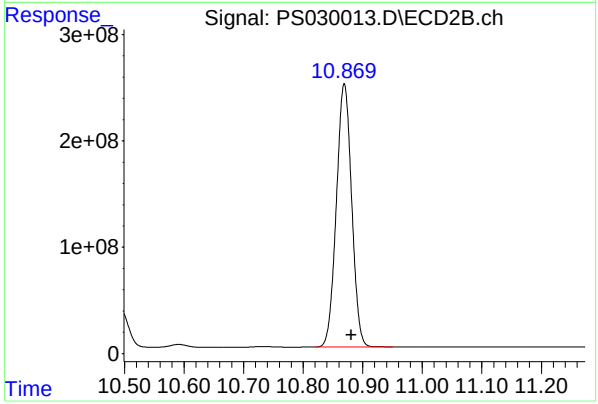
#13 2,4-DB

R.T.: 10.495 min
Delta R.T.: -0.011 min
Response: 609442670
Conc: 757.22 ng/ml



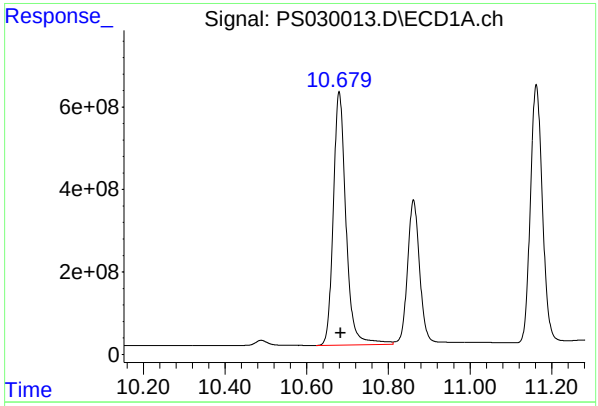
#14 DINOSEB

R.T.: 10.861 min
Delta R.T.: -0.005 min
Response: 7317825824
Conc: 719.31 ng/ml



#14 DINOSEB

R.T.: 10.869 min
Delta R.T.: -0.012 min
Response: 4407971468
Conc: 755.96 ng/ml



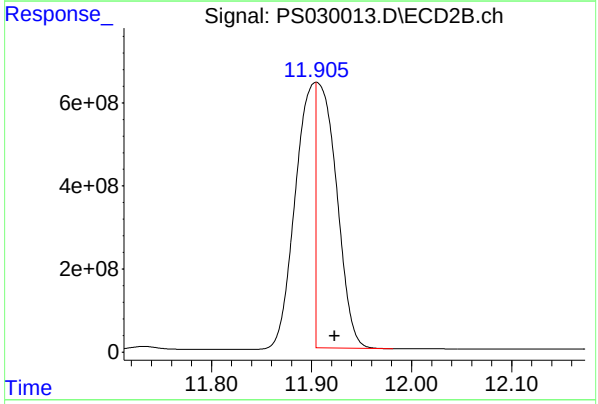
#15 Picloram

R.T.: 10.680 min
Delta R.T.: -0.004 min
Response: 13288353705
Conc: 724.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

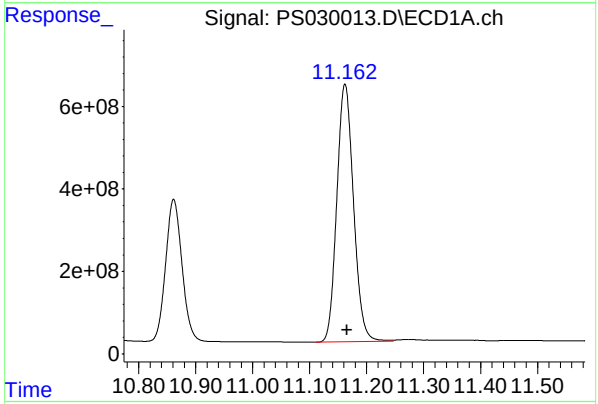
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



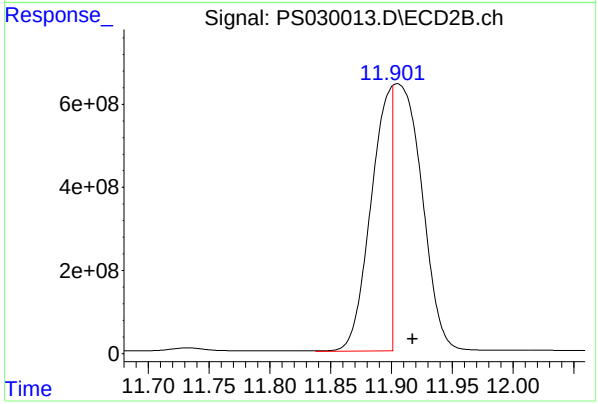
#15 Picloram

R.T.: 11.905 min
Delta R.T.: -0.018 min
Response: 8972685377
Conc: 730.46 ng/ml m



#16 DCPA

R.T.: 11.162 min
Delta R.T.: -0.004 min
Response: 12725385376
Conc: 747.63 ng/ml



#16 DCPA

R.T.: 11.901 min
Delta R.T.: -0.017 min
Response: 7783857280
Conc: 690.57 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/01/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 13:27 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.12	7.12	7.02	7.22	0.01
2,4-DCAA	6.94	6.94	6.84	7.04	0.00
Dalapon	2.45	2.45	2.35	2.55	0.00
DICHLORPROP	7.80	7.80	7.70	7.90	0.00
2,4-D	8.01	8.02	7.92	8.12	0.01
2,4,5-TP(Silvex)	8.86	8.86	8.76	8.96	0.00
2,4,5-T	9.14	9.14	9.04	9.24	0.00
2,4-DB	9.70	9.70	9.60	9.80	0.00
Dinoseb	10.86	10.87	10.77	10.97	0.01

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/01/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 13:27 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.65	7.65	7.55	7.75	0.00
2,4-DCAA	7.46	7.47	7.37	7.57	0.01
Dalapon	2.52	2.53	2.43	2.63	0.01
DICHLORPROP	8.34	8.35	8.25	8.45	0.01
2,4-D	8.65	8.66	8.56	8.76	0.01
2,4,5-TP(Silvex)	9.53	9.54	9.44	9.64	0.01
2,4,5-T	9.94	9.95	9.85	10.05	0.01
2,4-DB	10.50	10.51	10.41	10.61	0.02
Dinoseb	10.87	10.88	10.78	10.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/01/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030016.D **Time Analyzed:** 13:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.139	9.044	9.244	754.230	712.500	5.9
2,4,5-TP(Silvex)	8.858	8.762	8.962	749.690	712.500	5.2
2,4-D	8.014	7.919	8.119	725.960	705.000	3.0
2,4-DB	9.698	9.603	9.803	768.520	712.500	7.9
2,4-DCAA	6.938	6.842	7.042	765.770	750.000	2.1
Dalapon	2.449	2.349	2.549	683.250	682.500	0.1
DICAMBA	7.115	7.018	7.218	731.570	705.000	3.8
DICHLORPROP	7.795	7.699	7.899	714.120	705.000	1.3
Dinoseb	10.860	10.766	10.966	724.710	705.000	2.8

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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.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/01/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030016.D **Time Analyzed:** 13:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.937	9.847	10.047	784.510	712.500	10.1
2,4,5-TP(Silvex)	9.533	9.442	9.642	796.150	712.500	11.7
2,4-D	8.654	8.561	8.761	757.870	705.000	7.5
2,4-DB	10.495	10.407	10.607	769.370	712.500	8.0
2,4-DCAA	7.462	7.367	7.567	816.790	750.000	8.9
Dalapon	2.523	2.425	2.625	696.660	682.500	2.1
DICAMBA	7.648	7.553	7.753	796.150	705.000	12.9
DICHLORPROP	8.341	8.248	8.448	771.490	705.000	9.4
Dinoseb	10.869	10.781	10.981	758.940	705.000	7.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #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	6.938	7.462	1884.6E6	575.4E6	765.767	816.786
		Target Compounds						
1)	T	Dalapon	2.449	2.523	2798.1E6	1209.5E6	683.247	696.662
2)	T	3,5-DICHL...	6.143	6.459	2544.7E6	733.9E6	712.034	750.706
3)	T	4-Nitroph...	6.728	6.996	1257.5E6	552.2E6	705.169	720.931
5)	T	DICAMBA	7.115	7.648	7244.6E6	3144.8E6	731.569	796.146
6)	T	MCPP	7.294	7.755	469.8E6	129.0E6	72.914	73.740
7)	T	MCPA	7.436	7.986	645.8E6	171.6E6	73.130	72.542
8)	T	DICHLORPROP	7.795	8.341	1809.7E6	774.5E6	714.123	771.491
9)	T	2,4-D	8.014	8.654	2042.0E6	854.2E6	725.956	757.867
10)	T	Pentachlo...	8.293	9.155	26148.2E6	16409.8E6	749.553	806.585
11)	T	2,4,5-TP ...	8.858	9.533	10392.9E6	6513.9E6	749.693	796.152
12)	T	2,4,5-T	9.139	9.937	10599.2E6	6089.9E6	754.227	784.513
13)	T	2,4-DB	9.698	10.495	1756.3E6	619.2E6	768.523	769.370
14)	T	DINOSEB	10.860	10.869	7372.8E6	4425.3E6	724.708	758.937
15)	T	Picloram	10.679	11.905	13694.5E6	8880.4E6	747.085	722.943m
16)	T	DCPA	11.161	11.900	12916.6E6	7671.9E6	758.863	680.636m

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

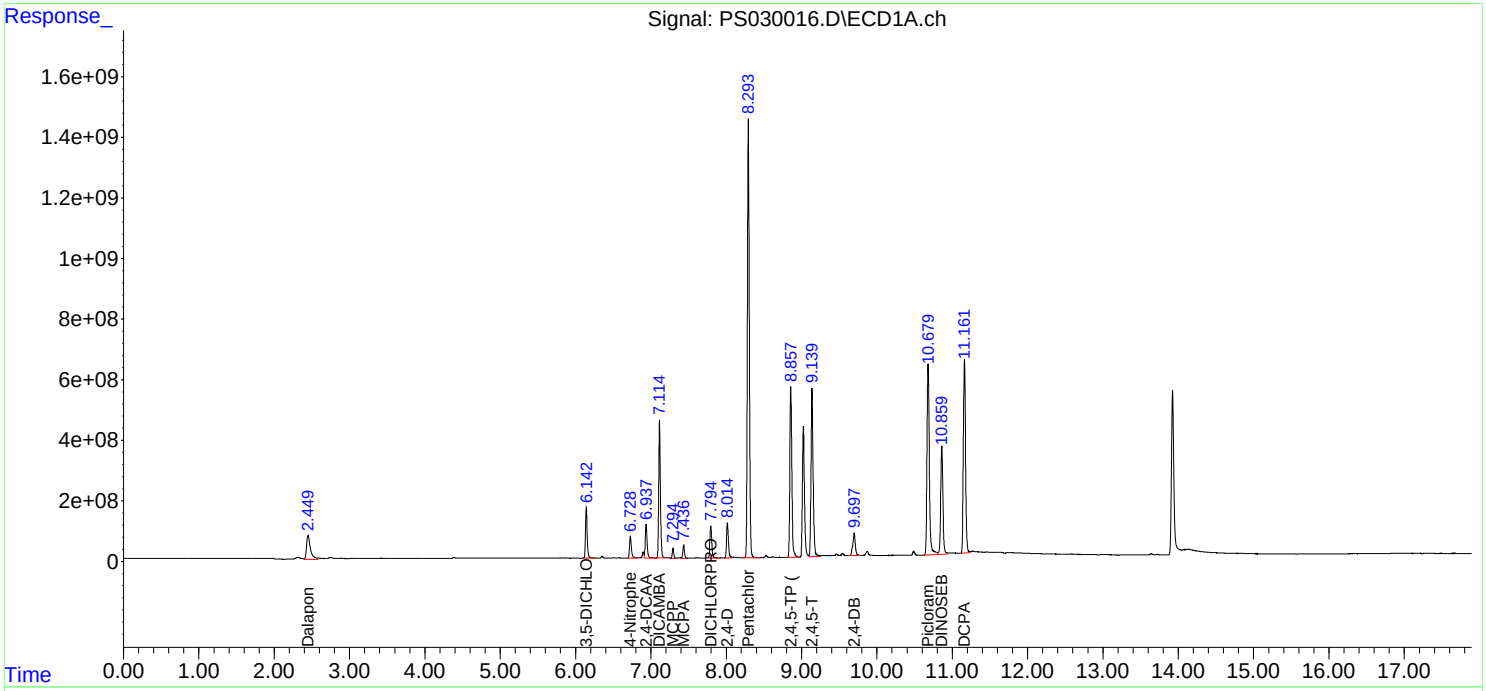
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

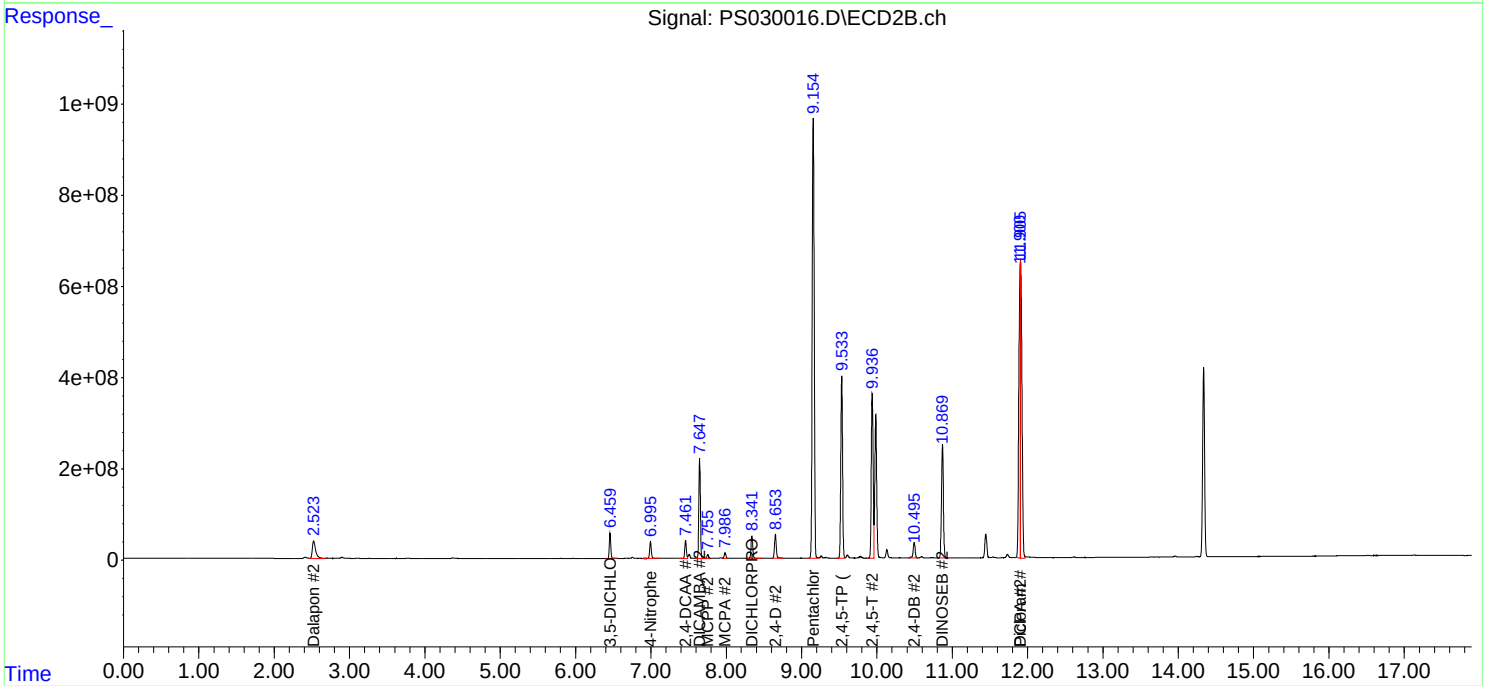
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

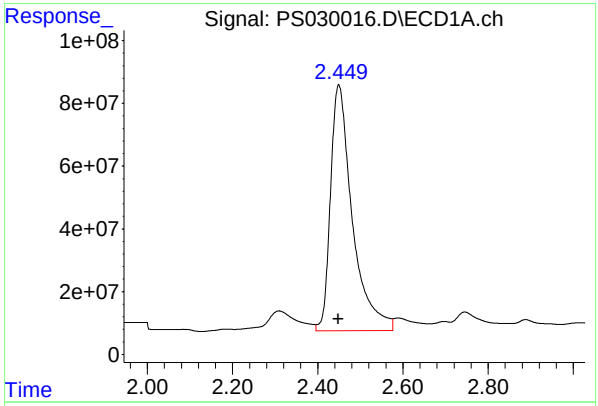
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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.: 2.449 min
Delta R.T.: 0.001 min
Response: 2798074434
Conc: 683.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

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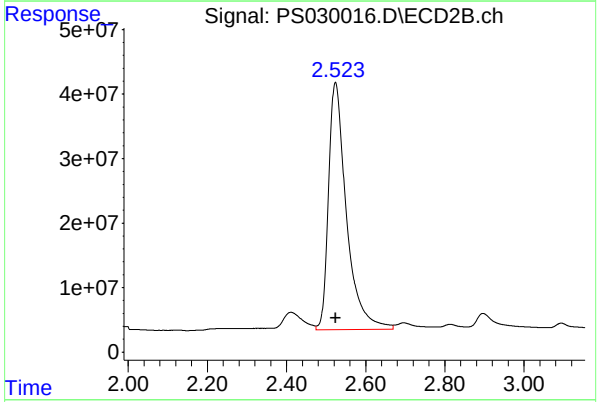
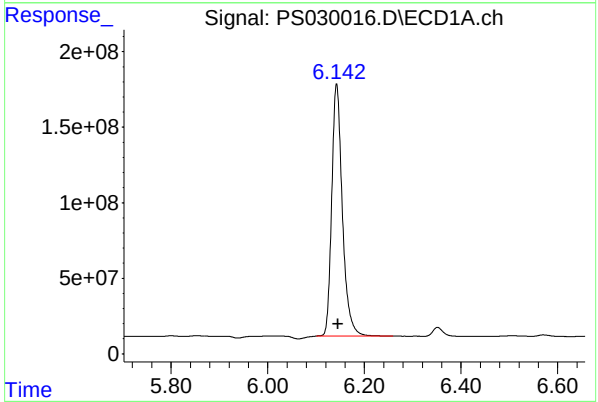


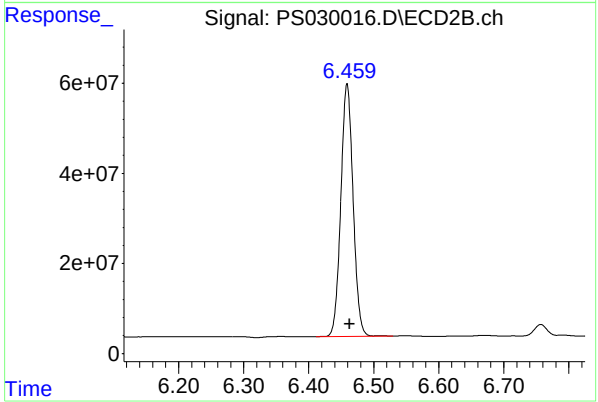
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: 0.000 min
Response: 1209506191
Conc: 696.66 ng/ml



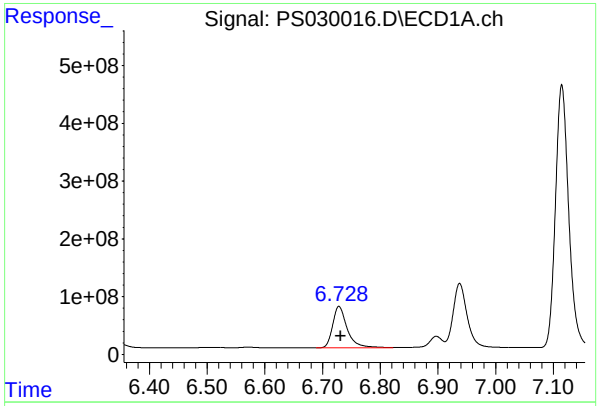
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.143 min
Delta R.T.: -0.003 min
Response: 2544656484
Conc: 712.03 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 733875039
Conc: 750.71 ng/ml



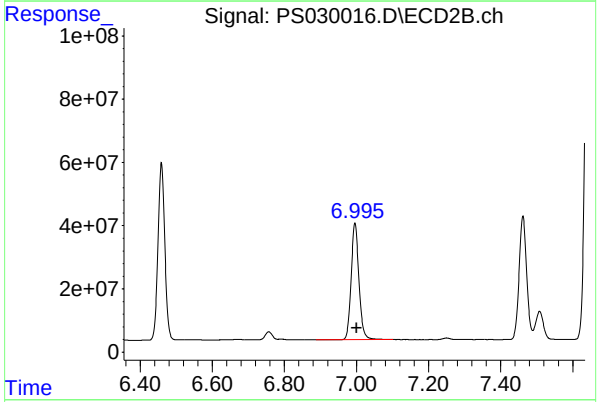
#3 4-Nitrophenol

R.T.: 6.728 min
Delta R.T.: -0.003 min
Response: 1257541620
Conc: 705.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

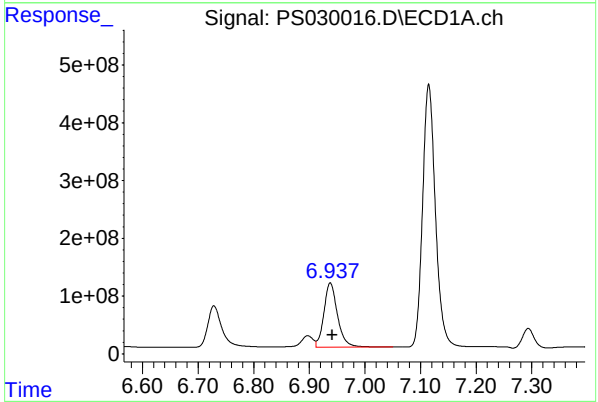
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



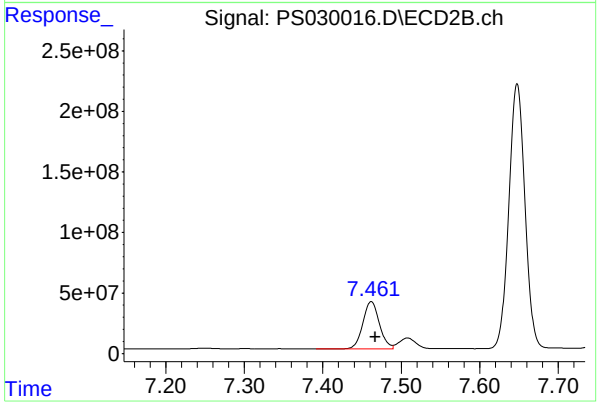
#3 4-Nitrophenol

R.T.: 6.996 min
Delta R.T.: -0.005 min
Response: 552176387
Conc: 720.93 ng/ml



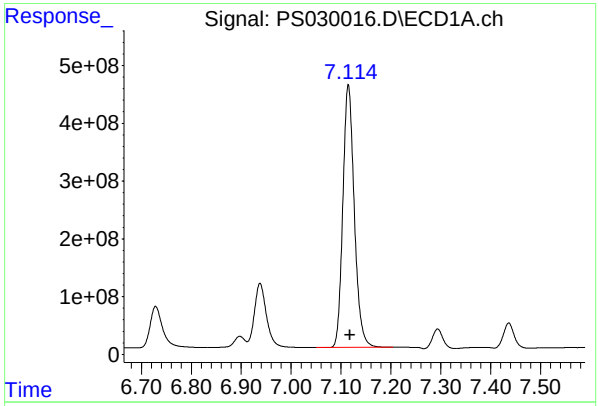
#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 1884613932
Conc: 765.77 ng/ml



#4 2,4-DCAA

R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 575439313
Conc: 816.79 ng/ml



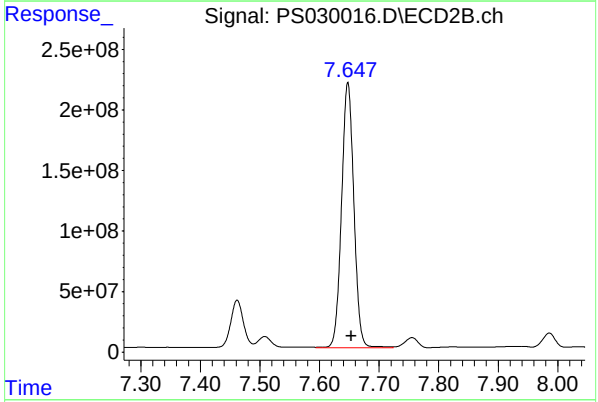
#5 DICAMBA

R.T.: 7.115 min
Delta R.T.: -0.003 min
Response: 7244628718
Conc: 731.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

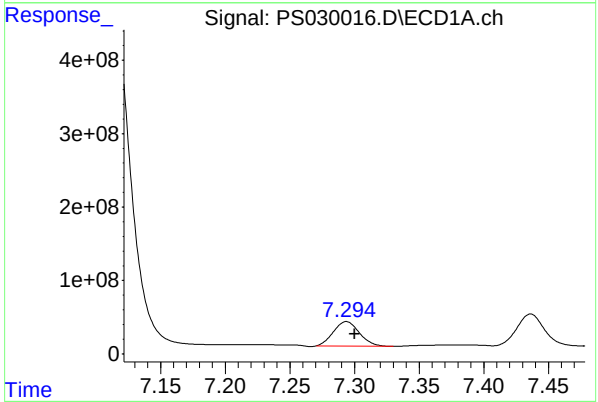
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



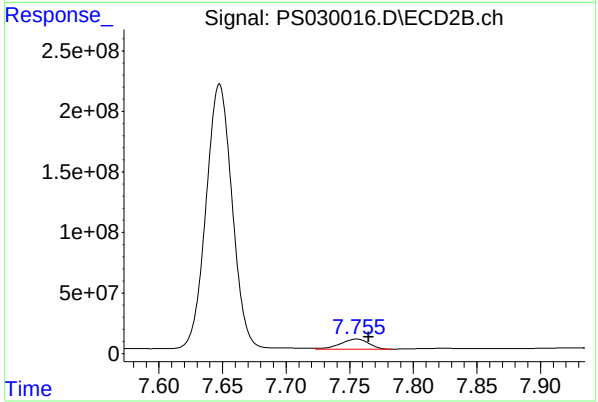
#5 DICAMBA

R.T.: 7.648 min
Delta R.T.: -0.006 min
Response: 3144828216
Conc: 796.15 ng/ml



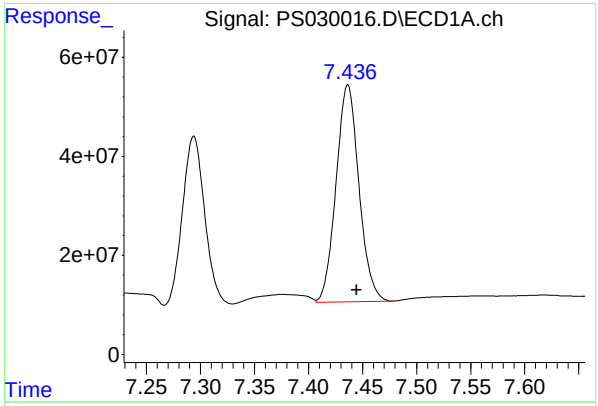
#6 MCPP

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 469831489
Conc: 72.91 ug/ml



#6 MCPP

R.T.: 7.755 min
Delta R.T.: -0.010 min
Response: 128968282
Conc: 73.74 ug/ml



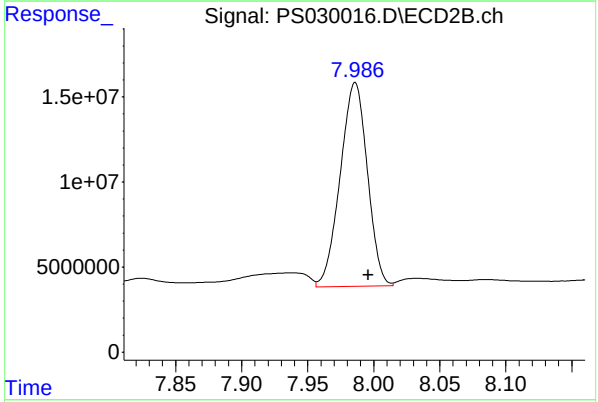
#7 MCPA

R.T.: 7.436 min
Delta R.T.: -0.008 min
Response: 645840618
Conc: 73.13 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

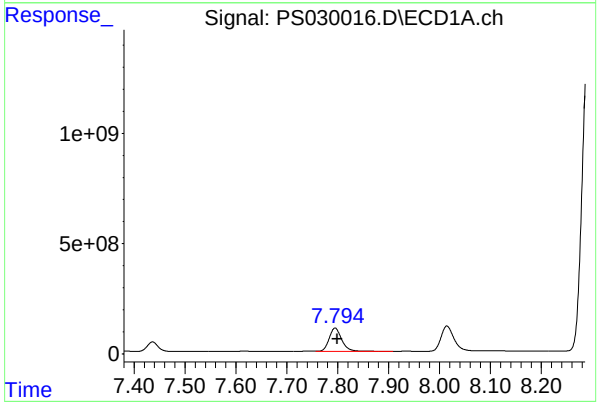
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



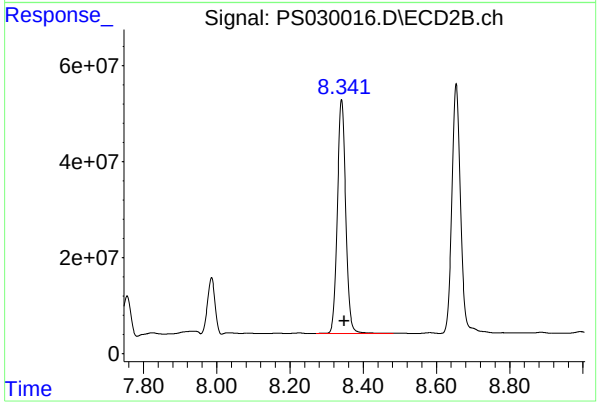
#7 MCPA

R.T.: 7.986 min
Delta R.T.: -0.010 min
Response: 171619066
Conc: 72.54 ug/ml



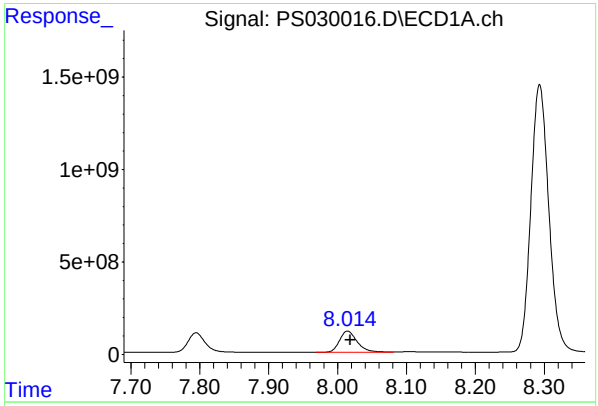
#8 DICHLORPROP

R.T.: 7.795 min
Delta R.T.: -0.004 min
Response: 1809664833
Conc: 714.12 ng/ml



#8 DICHLORPROP

R.T.: 8.341 min
Delta R.T.: -0.007 min
Response: 774549366
Conc: 771.49 ng/ml



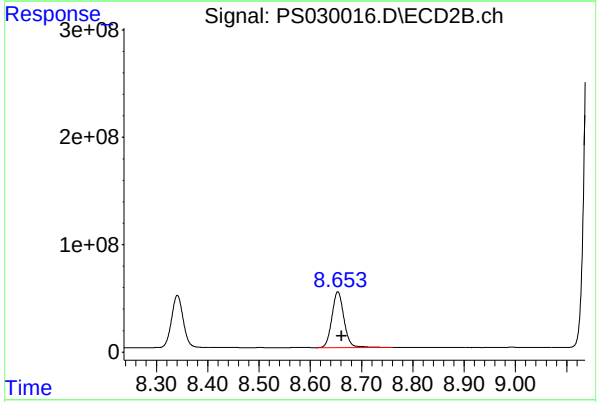
#9 2,4-D

R.T.: 8.014 min
Delta R.T.: -0.004 min
Response: 2042021191
Conc: 725.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

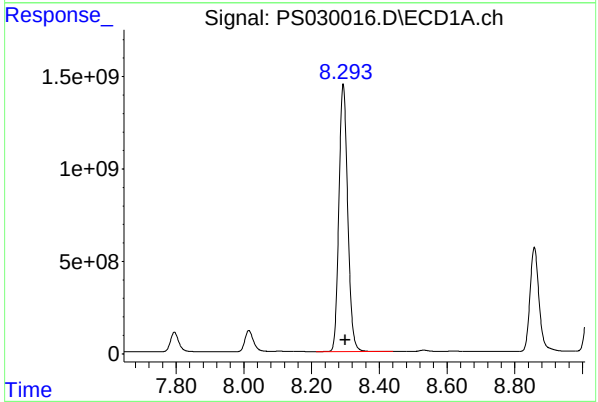
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



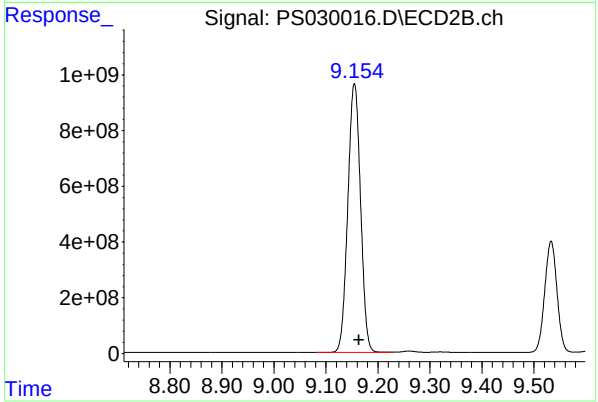
#9 2,4-D

R.T.: 8.654 min
Delta R.T.: -0.007 min
Response: 854197073
Conc: 757.87 ng/ml



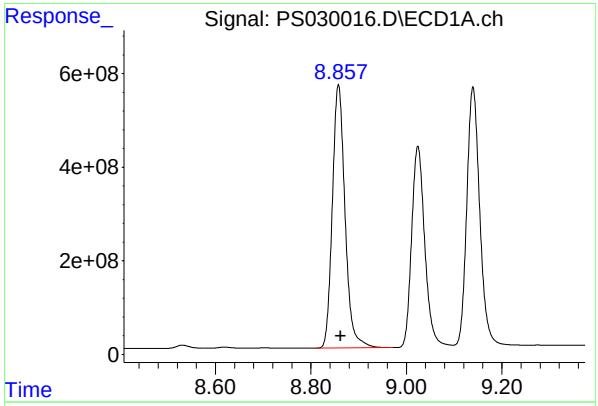
#10 Pentachlorophenol

R.T.: 8.293 min
Delta R.T.: -0.006 min
Response: 26148171863
Conc: 749.55 ng/ml



#10 Pentachlorophenol

R.T.: 9.155 min
Delta R.T.: -0.009 min
Response: 16409812223
Conc: 806.58 ng/ml



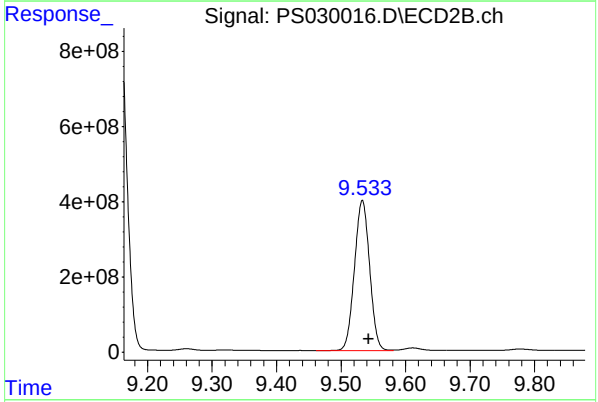
#11 2,4,5-TP (SILVEX)

R.T.: 8.858 min
Delta R.T.: -0.004 min
Response: 10392876642
Conc: 749.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

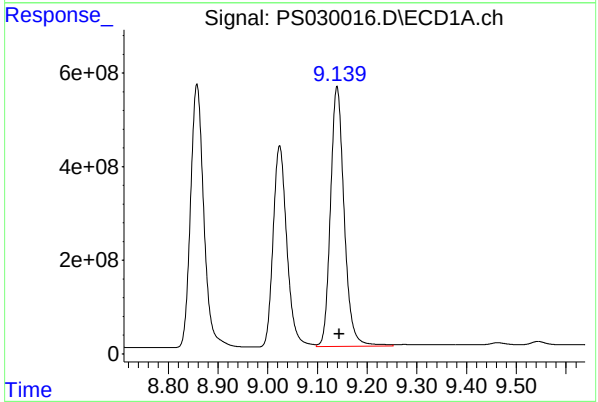
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



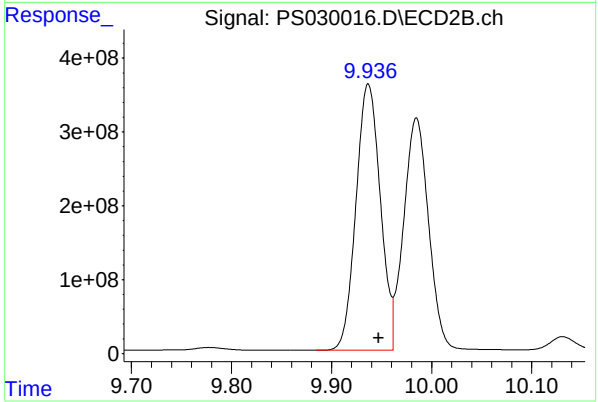
#11 2,4,5-TP (SILVEX)

R.T.: 9.533 min
Delta R.T.: -0.010 min
Response: 6513919285
Conc: 796.15 ng/ml



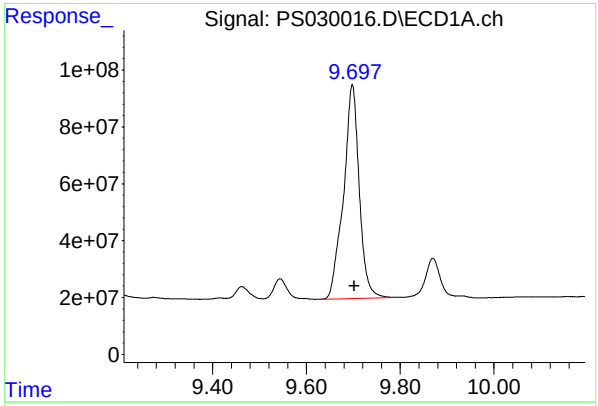
#12 2,4,5-T

R.T.: 9.139 min
Delta R.T.: -0.005 min
Response: 10599227676
Conc: 754.23 ng/ml



#12 2,4,5-T

R.T.: 9.937 min
Delta R.T.: -0.010 min
Response: 6089857207
Conc: 784.51 ng/ml



#13 2,4-DB

R.T.: 9.698 min
Delta R.T.: -0.004 min
Response: 1756348858
Conc: 768.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
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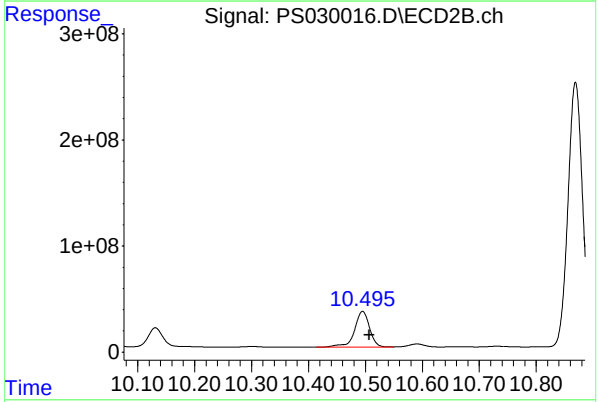
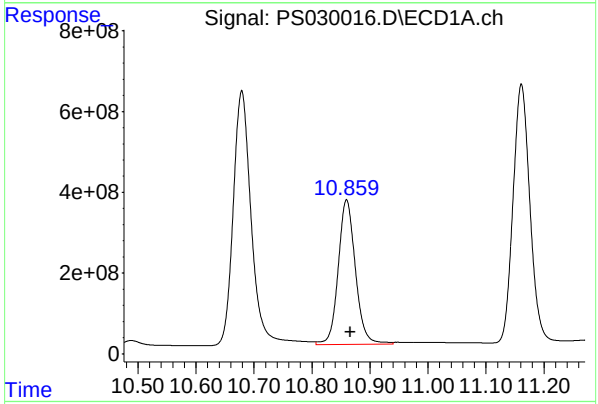


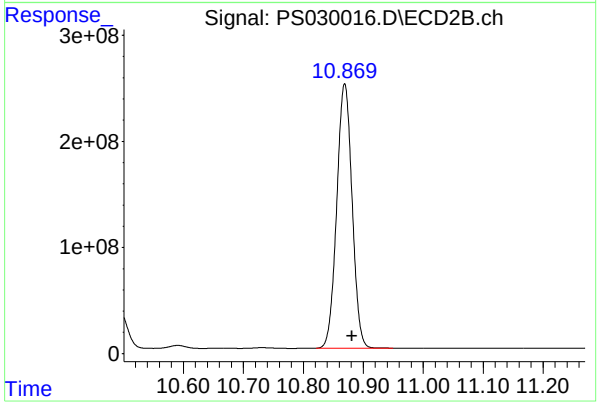
#13 2,4-DB

R.T.: 10.495 min
Delta R.T.: -0.011 min
Response: 619221462
Conc: 769.37 ng/ml



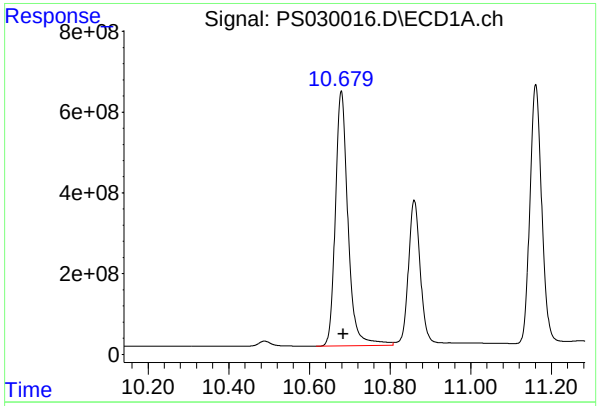
#14 DINOSEB

R.T.: 10.860 min
Delta R.T.: -0.006 min
Response: 7372763225
Conc: 724.71 ng/ml



#14 DINOSEB

R.T.: 10.869 min
Delta R.T.: -0.012 min
Response: 4425346841
Conc: 758.94 ng/ml



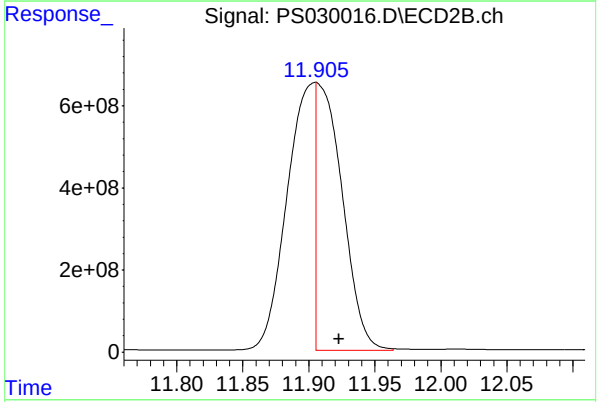
#15 Picloram

R.T.: 10.679 min
Delta R.T.: -0.005 min
Response: 13694525497
Conc: 747.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

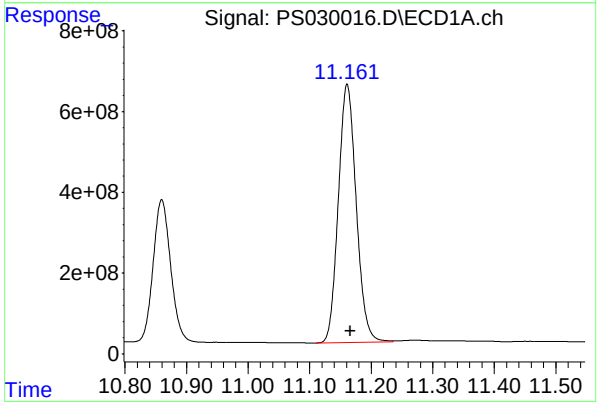
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



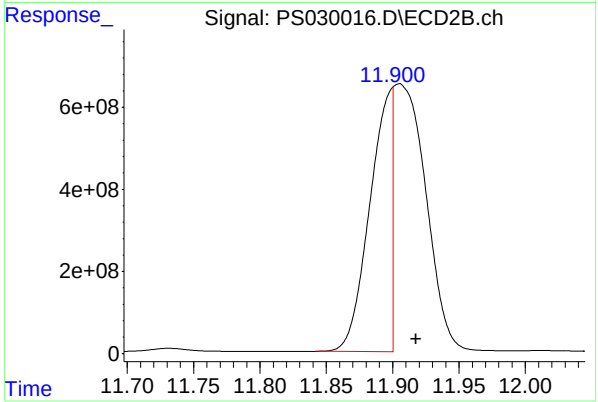
#15 Picloram

R.T.: 11.905 min
Delta R.T.: -0.018 min
Response: 8880378028
Conc: 722.94 ng/ml m



#16 DCPA

R.T.: 11.161 min
Delta R.T.: -0.005 min
Response: 12916607287
Conc: 758.86 ng/ml



#16 DCPA

R.T.: 11.900 min
Delta R.T.: -0.018 min
Response: 7671890624
Conc: 680.64 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/01/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 17:28 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.11	7.12	7.02	7.22	0.01
2,4-DCAA	6.94	6.94	6.84	7.04	0.00
Dalapon	2.45	2.45	2.35	2.55	0.00
DICHLORPROP	7.80	7.80	7.70	7.90	0.00
2,4-D	8.02	8.02	7.92	8.12	0.00
2,4,5-TP(Silvex)	8.86	8.86	8.76	8.96	0.00
2,4,5-T	9.14	9.14	9.04	9.24	0.00
2,4-DB	9.70	9.70	9.60	9.80	0.00
Dinoseb	10.86	10.87	10.77	10.97	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.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/01/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 17:28 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.65	7.65	7.55	7.75	0.00
2,4-DCAA	7.46	7.47	7.37	7.57	0.01
Dalapon	2.52	2.53	2.43	2.63	0.01
DICHLORPROP	8.34	8.35	8.25	8.45	0.01
2,4-D	8.65	8.66	8.56	8.76	0.01
2,4,5-TP(Silvex)	9.53	9.54	9.44	9.64	0.01
2,4,5-T	9.94	9.95	9.85	10.05	0.01
2,4-DB	10.50	10.51	10.41	10.61	0.02
Dinoseb	10.87	10.88	10.78	10.98	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.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/01/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030026.D **Time Analyzed:** 17:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.139	9.044	9.244	757.220	712.500	6.3
2,4,5-TP(Silvex)	8.857	8.762	8.962	751.430	712.500	5.5
2,4-D	8.015	7.919	8.119	727.280	705.000	3.2
2,4-DB	9.698	9.603	9.803	769.080	712.500	7.9
2,4-DCAA	6.938	6.842	7.042	767.300	750.000	2.3
Dalapon	2.448	2.349	2.549	682.430	682.500	0.0
DICAMBA	7.114	7.018	7.218	731.810	705.000	3.8
DICHLORPROP	7.795	7.699	7.899	717.350	705.000	1.8
Dinoseb	10.860	10.766	10.966	739.100	705.000	4.8

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/01/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030026.D **Time Analyzed:** 17:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.937	9.847	10.047	790.510	712.500	10.9
2,4,5-TP(Silvex)	9.533	9.442	9.642	801.340	712.500	12.5
2,4-D	8.653	8.561	8.761	765.270	705.000	8.5
2,4-DB	10.495	10.407	10.607	767.700	712.500	7.7
2,4-DCAA	7.462	7.367	7.567	808.570	750.000	7.8
Dalapon	2.523	2.425	2.625	682.630	682.500	0.0
DICAMBA	7.648	7.553	7.753	797.610	705.000	13.1
DICHLORPROP	8.341	8.248	8.448	798.240	705.000	13.2
Dinoseb	10.869	10.781	10.981	761.200	705.000	8.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 17:28
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:30:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.462	1888.4E6	569.7E6	767.297	808.568
		Target Compounds						
1)	T	Dalapon	2.448	2.523	2794.7E6	1185.1E6	682.429	682.626
2)	T	3,5-DICHL...	6.142	6.459	2569.7E6	738.2E6	719.036	755.171
3)	T	4-Nitroph...	6.728	6.995	1269.3E6	560.2E6	711.772	731.395
5)	T	DICAMBA	7.114	7.648	7247.0E6	3150.6E6	731.806	797.615
6)	T	MCPP	7.293	7.755	448.3E6	125.9E6	69.578	72.009
7)	T	MCPA	7.436	7.985	641.0E6	170.3E6	72.586	71.966
8)	T	DICHLORPROP	7.795	8.341	1817.9E6	801.4E6	717.354	798.239
9)	T	2,4-D	8.015	8.653	2045.8E6	862.5E6	727.283	765.272
10)	T	Pentachlo...	8.293	9.154	26237.5E6	16512.9E6	752.115	811.653
11)	T	2,4,5-TP ...	8.857	9.533	10417.0E6	6556.3E6	751.434	801.336
12)	T	2,4,5-T	9.139	9.937	10641.3E6	6136.4E6	757.218	790.511
13)	T	2,4-DB	9.698	10.495	1757.6E6	617.9E6	769.084	767.700
14)	T	DINOSEB	10.860	10.869	7519.2E6	4438.6E6	739.099	761.205
15)	T	Picloram	10.678	11.905	13425.7E6	8937.7E6	732.418	727.610m
16)	T	DCPA	11.161	11.901	12986.2E6	8028.3E6	762.952	712.257m

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

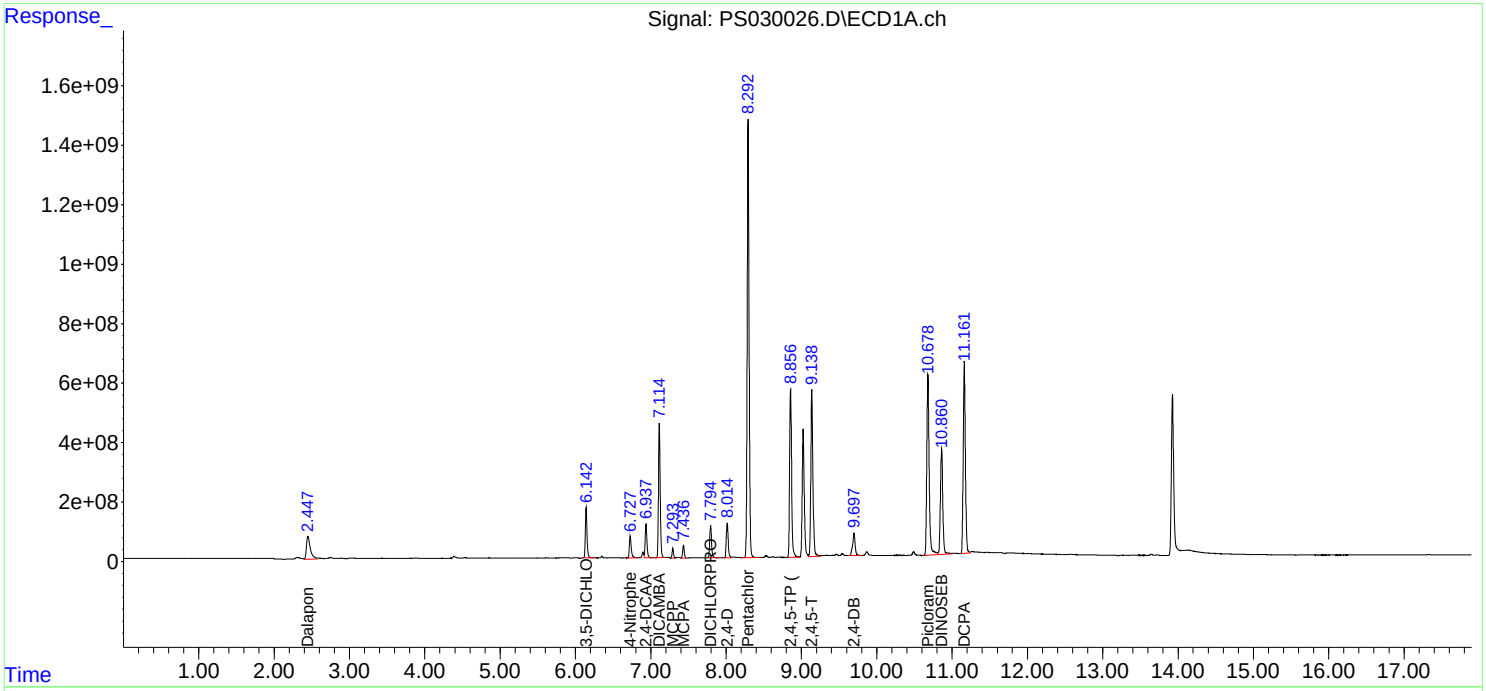
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 17:28
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

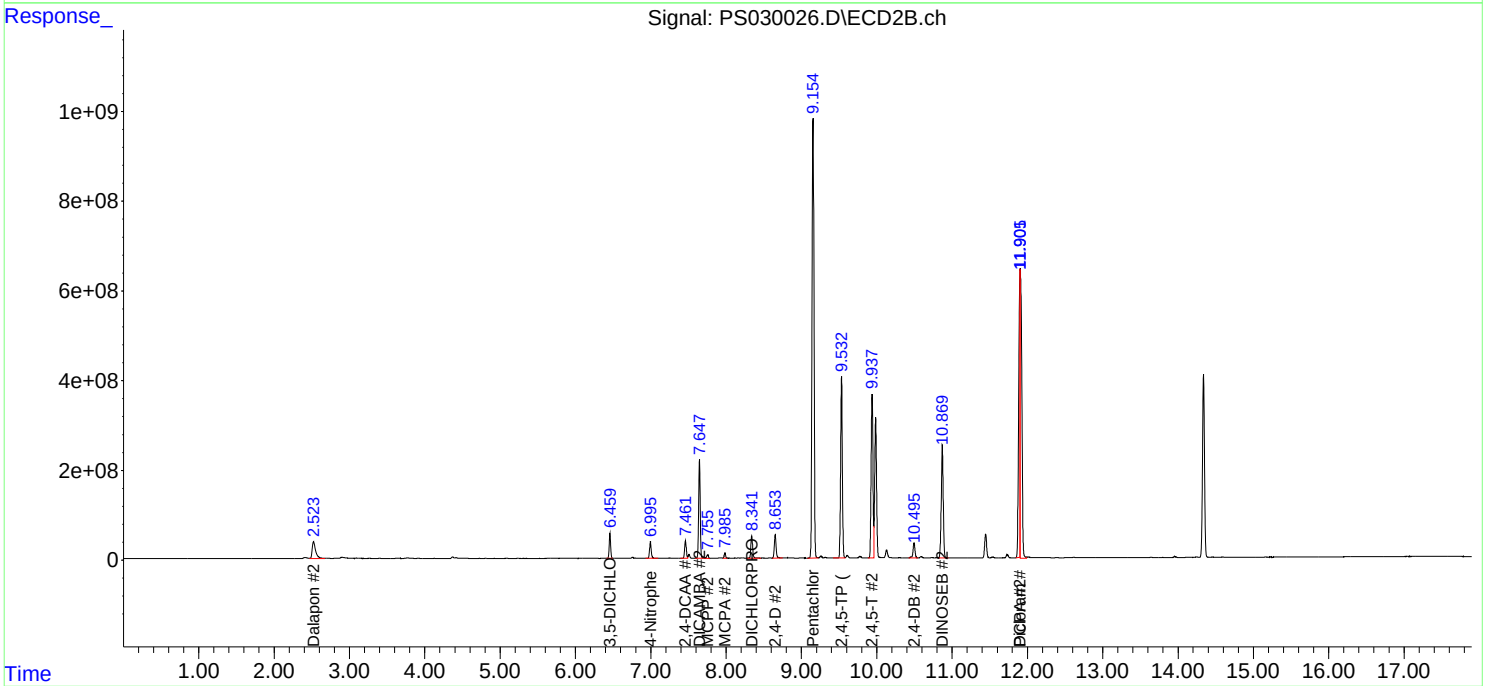
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

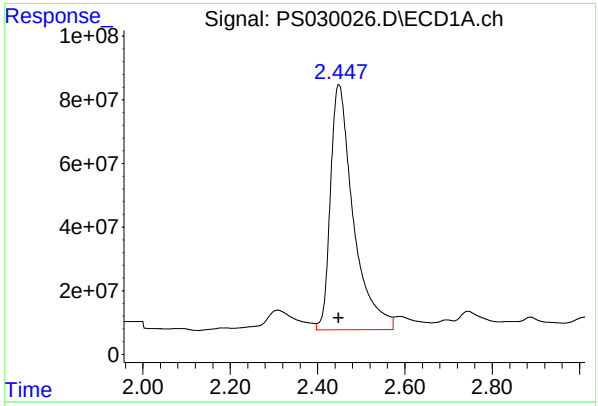
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:30:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







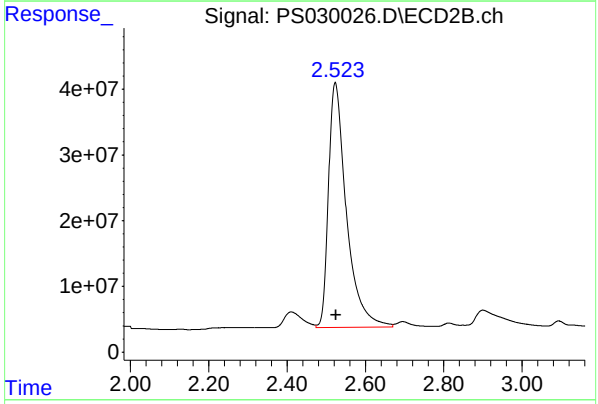
#1 Dalapon

R.T.: 2.448 min
Delta R.T.: 0.000 min
Response: 2794723971
Conc: 682.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

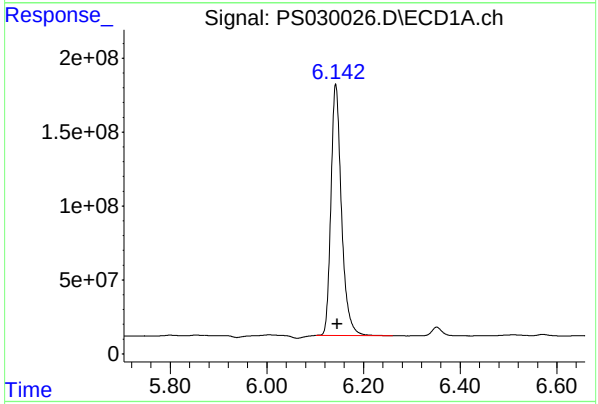
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



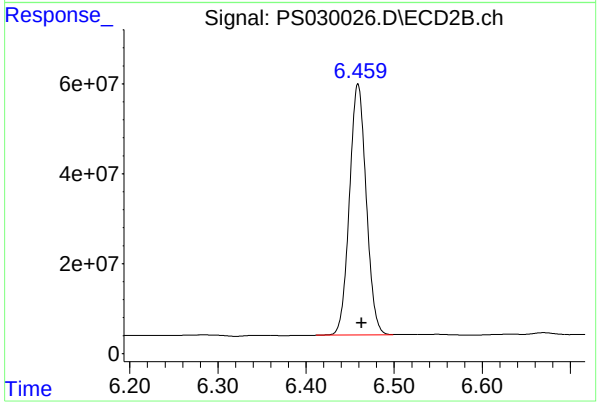
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: -0.002 min
Response: 1185136689
Conc: 682.63 ng/ml



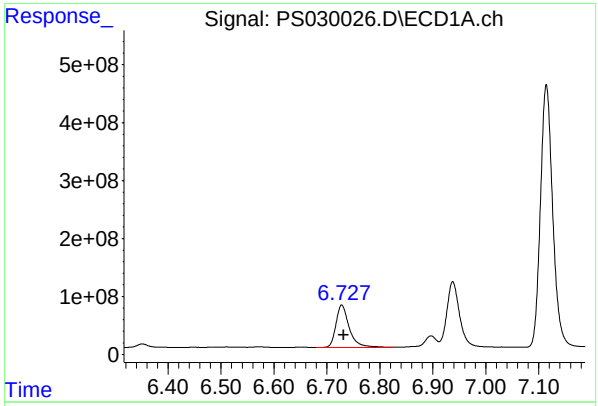
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.142 min
Delta R.T.: -0.003 min
Response: 2569680983
Conc: 719.04 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 738239496
Conc: 755.17 ng/ml



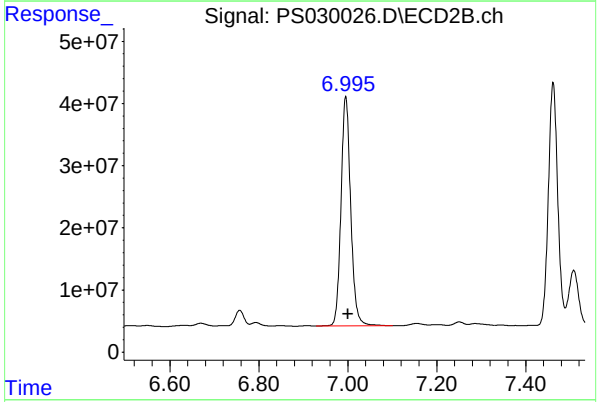
#3 4-Nitrophenol

R.T.: 6.728 min
Delta R.T.: -0.003 min
Response: 1269317960
Conc: 711.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

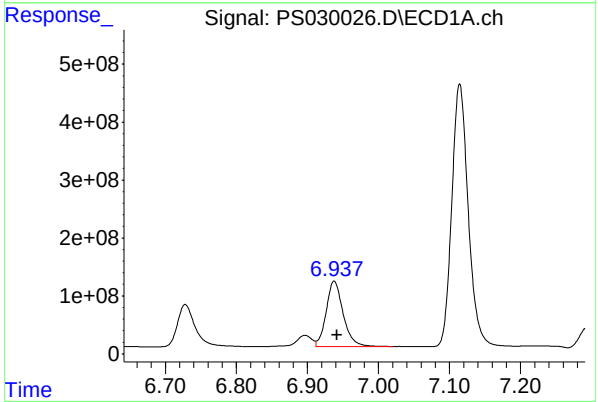
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



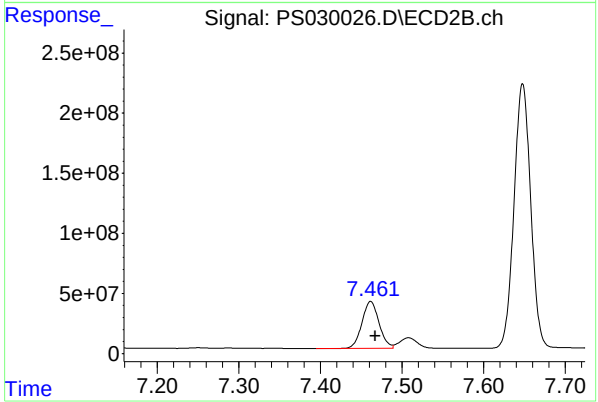
#3 4-Nitrophenol

R.T.: 6.995 min
Delta R.T.: -0.005 min
Response: 560191374
Conc: 731.40 ng/ml



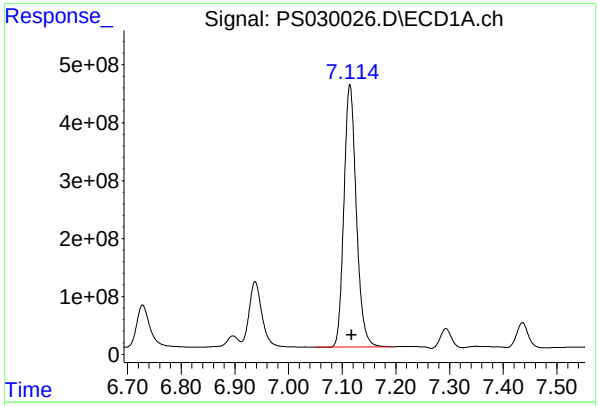
#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 1888378898
Conc: 767.30 ng/ml



#4 2,4-DCAA

R.T.: 7.462 min
Delta R.T.: -0.006 min
Response: 569650088
Conc: 808.57 ng/ml



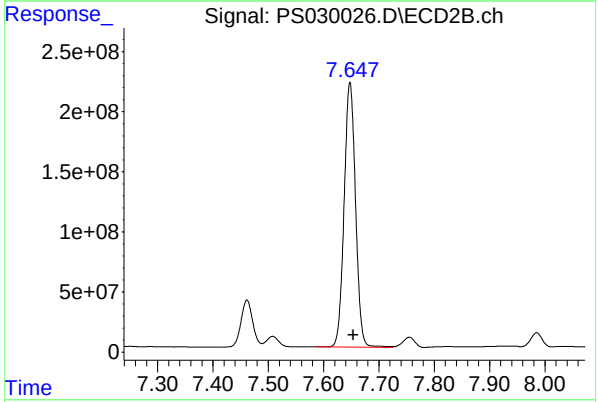
#5 DICAMBA

R.T.: 7.114 min
Delta R.T.: -0.003 min
Response: 7246972846
Conc: 731.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

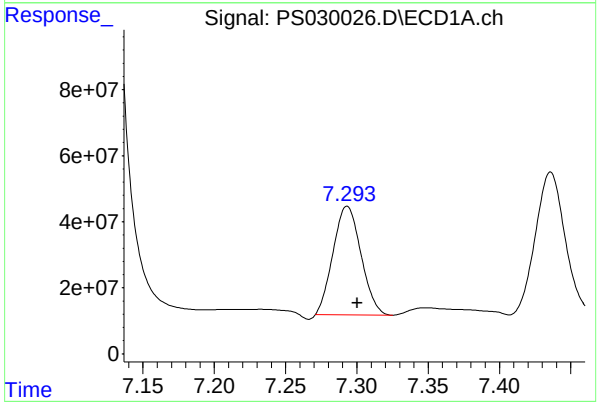
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



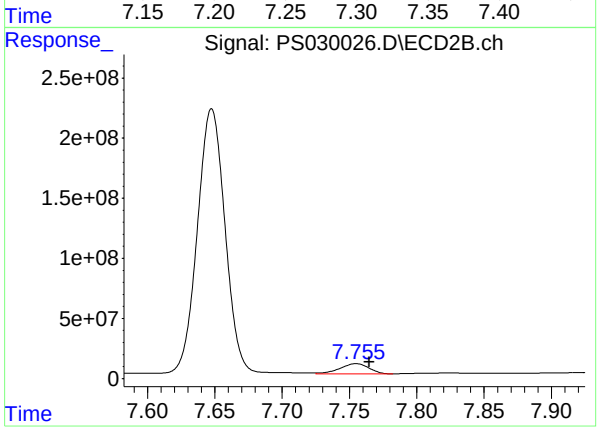
#5 DICAMBA

R.T.: 7.648 min
Delta R.T.: -0.006 min
Response: 3150630491
Conc: 797.61 ng/ml



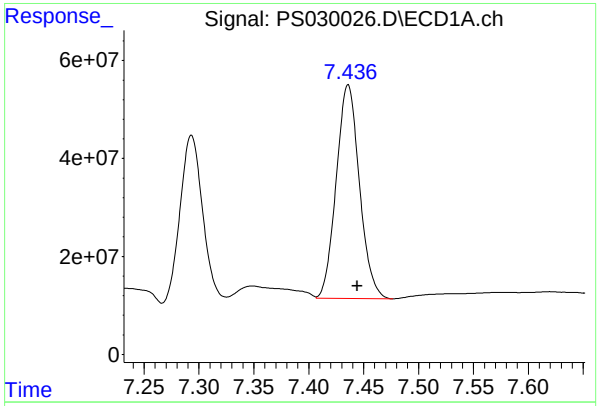
#6 MCPP

R.T.: 7.293 min
Delta R.T.: -0.007 min
Response: 448334279
Conc: 69.58 ug/ml



#6 MCPP

R.T.: 7.755 min
Delta R.T.: -0.010 min
Response: 125940998
Conc: 72.01 ug/ml



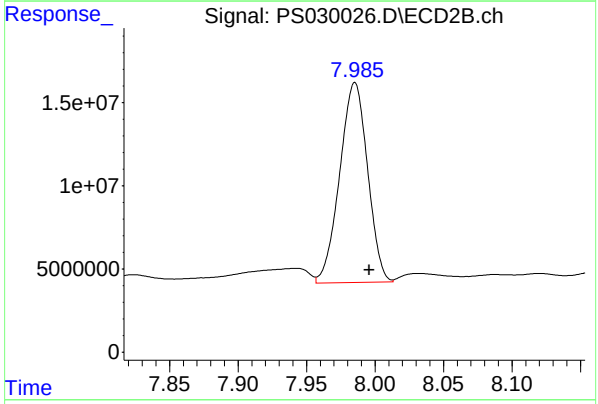
#7 MCPA

R.T.: 7.436 min
Delta R.T.: -0.009 min
Response: 641028979
Conc: 72.59 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

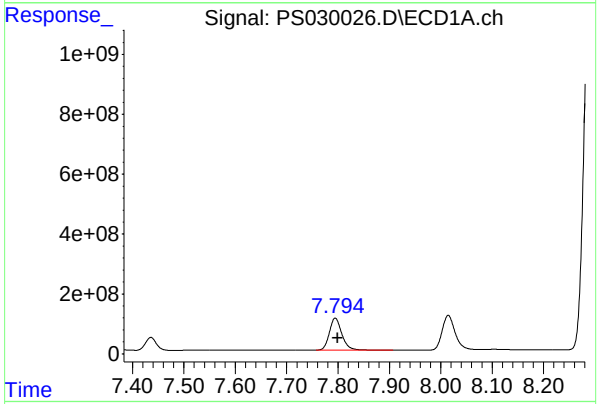
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



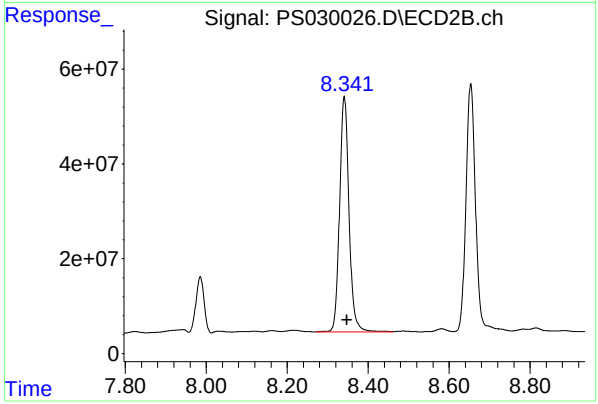
#7 MCPA

R.T.: 7.985 min
Delta R.T.: -0.010 min
Response: 170258090
Conc: 71.97 ug/ml



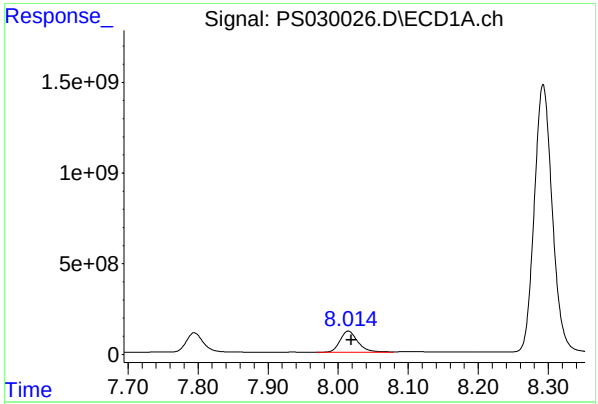
#8 DICHLORPROP

R.T.: 7.795 min
Delta R.T.: -0.004 min
Response: 1817853046
Conc: 717.35 ng/ml



#8 DICHLORPROP

R.T.: 8.341 min
Delta R.T.: -0.007 min
Response: 801403222
Conc: 798.24 ng/ml



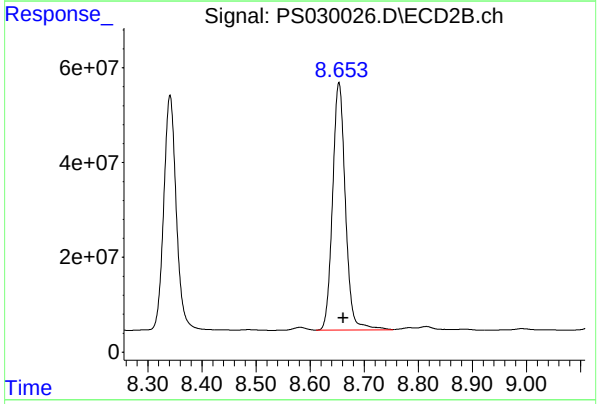
#9 2,4-D

R.T.: 8.015 min
Delta R.T.: -0.004 min
Response: 2045753582
Conc: 727.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

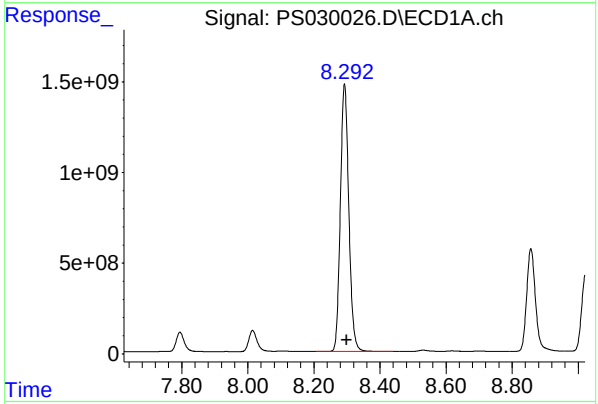
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



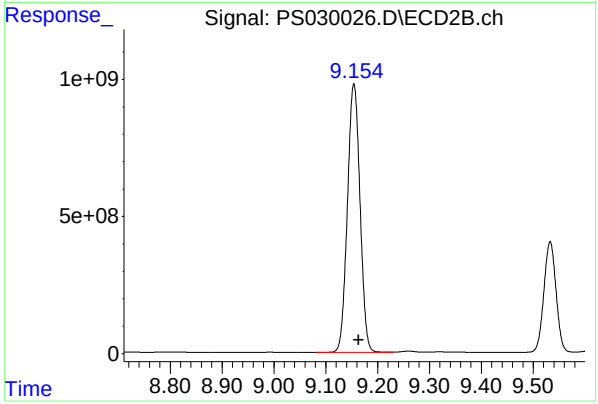
#9 2,4-D

R.T.: 8.653 min
Delta R.T.: -0.008 min
Response: 862543014
Conc: 765.27 ng/ml



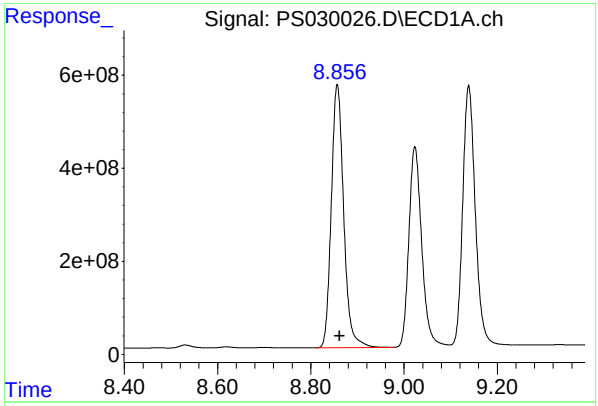
#10 Pentachlorophenol

R.T.: 8.293 min
Delta R.T.: -0.007 min
Response: 26237549087
Conc: 752.12 ng/ml



#10 Pentachlorophenol

R.T.: 9.154 min
Delta R.T.: -0.009 min
Response: 16512921319
Conc: 811.65 ng/ml



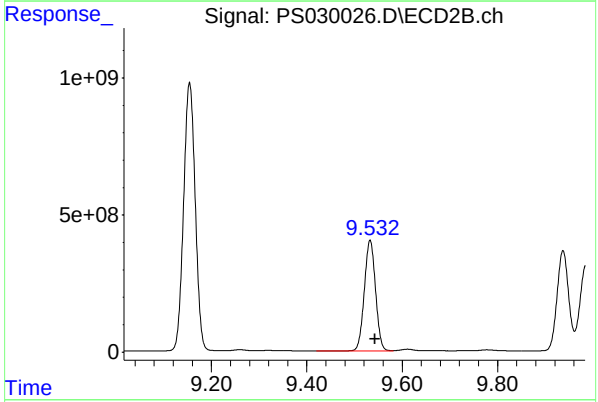
#11 2,4,5-TP (SILVEX)

R.T.: 8.857 min
Delta R.T.: -0.005 min
Response: 10417003423
Conc: 751.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

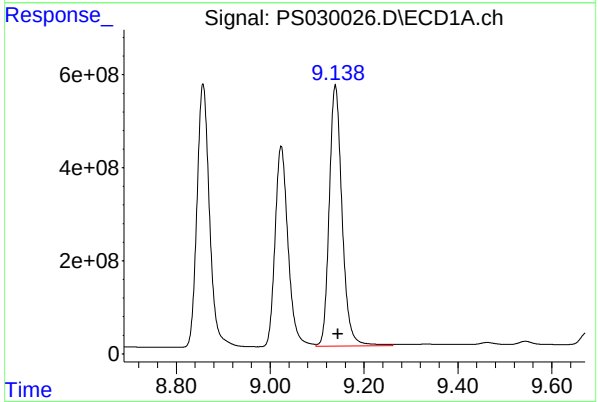
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



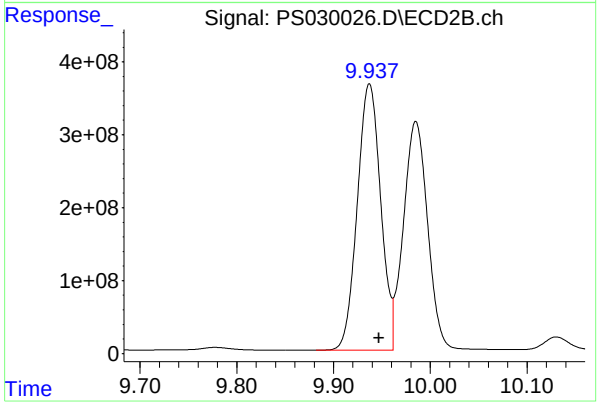
#11 2,4,5-TP (SILVEX)

R.T.: 9.533 min
Delta R.T.: -0.010 min
Response: 6556330082
Conc: 801.34 ng/ml



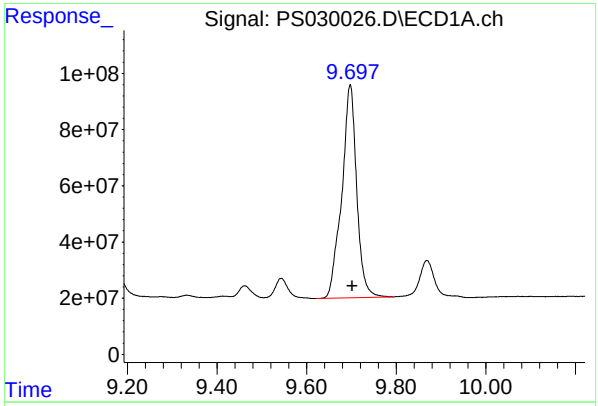
#12 2,4,5-T

R.T.: 9.139 min
Delta R.T.: -0.005 min
Response: 10641265427
Conc: 757.22 ng/ml



#12 2,4,5-T

R.T.: 9.937 min
Delta R.T.: -0.010 min
Response: 6136416767
Conc: 790.51 ng/ml



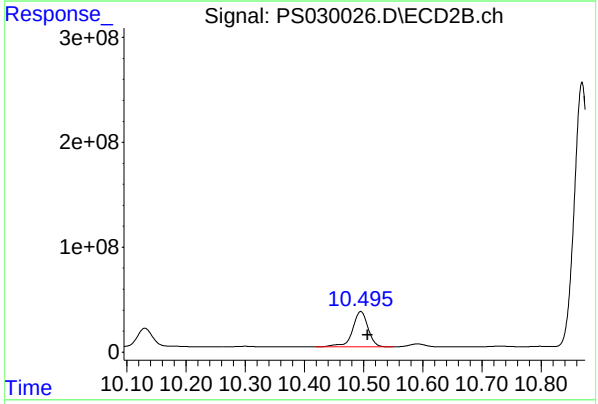
#13 2,4-DB

R.T.: 9.698 min
Delta R.T.: -0.004 min
Response: 1757631293
Conc: 769.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

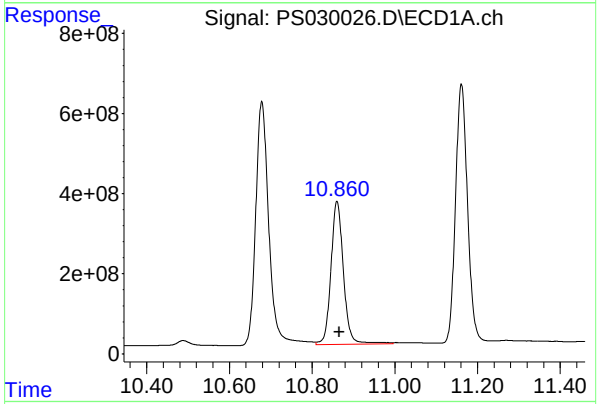
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



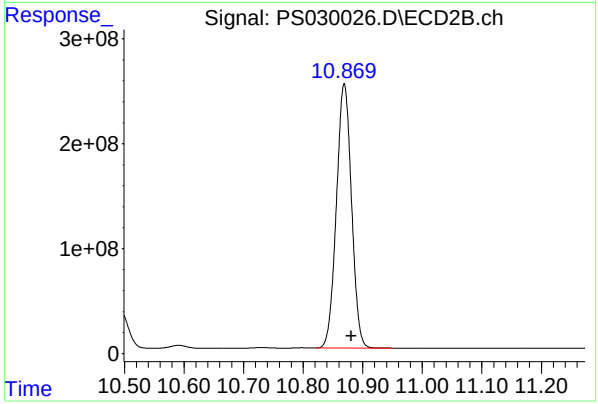
#13 2,4-DB

R.T.: 10.495 min
Delta R.T.: -0.011 min
Response: 617877165
Conc: 767.70 ng/ml



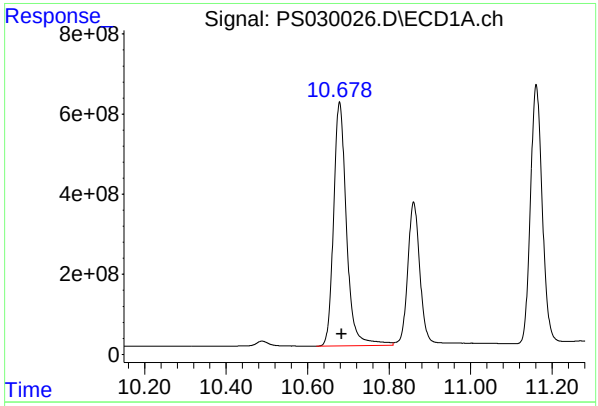
#14 DINOSEB

R.T.: 10.860 min
Delta R.T.: -0.006 min
Response: 7519170257
Conc: 739.10 ng/ml



#14 DINOSEB

R.T.: 10.869 min
Delta R.T.: -0.012 min
Response: 4438570711
Conc: 761.20 ng/ml



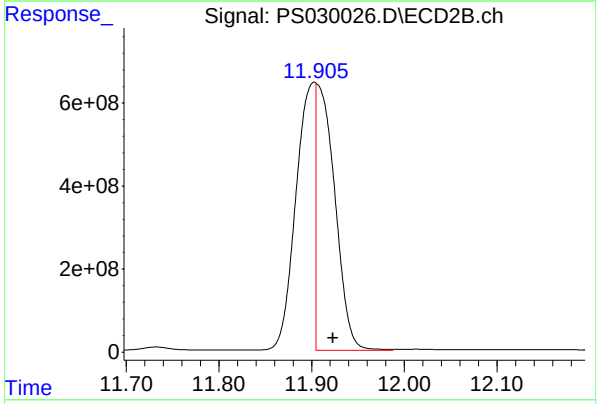
#15 Picloram

R.T.: 10.678 min
Delta R.T.: -0.005 mi
Response: 13425673369
Conc: 732.42 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

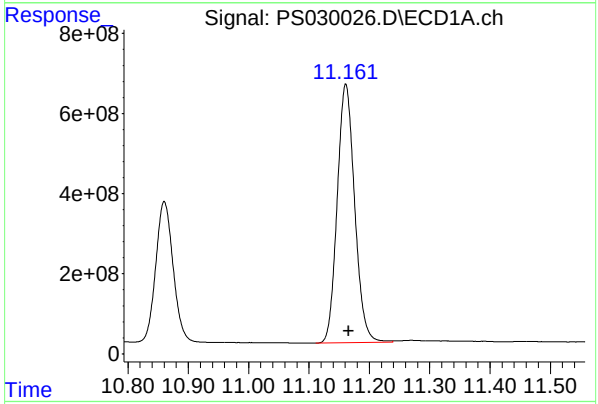
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



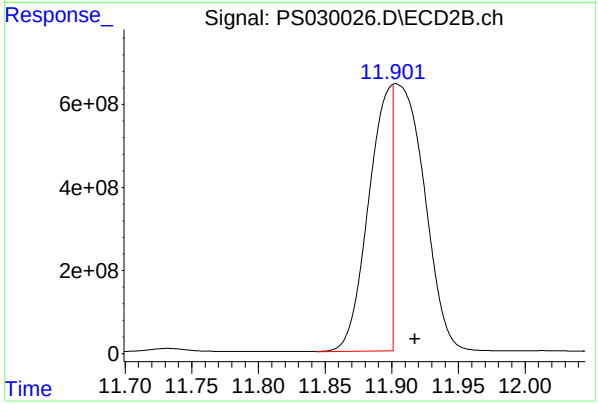
#15 Picloram

R.T.: 11.905 min
Delta R.T.: -0.018 min
Response: 8937696368
Conc: 727.61 ng/ml m



#16 DCPA

R.T.: 11.161 min
Delta R.T.: -0.005 min
Response: 12986203927
Conc: 762.95 ng/ml



#16 DCPA

R.T.: 11.901 min
Delta R.T.: -0.017 min
Response: 8028317306
Conc: 712.26 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/05/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.11	7.12	7.02	7.22	0.01
2,4-DCAA	6.94	6.94	6.84	7.04	0.00
Dalapon	2.45	2.45	2.35	2.55	0.00
DICHLORPROP	7.80	7.80	7.70	7.90	0.00
2,4-D	8.02	8.02	7.92	8.12	0.00
2,4,5-TP(Silvex)	8.86	8.86	8.76	8.96	0.00
2,4,5-T	9.14	9.14	9.04	9.24	0.00
2,4-DB	9.70	9.70	9.60	9.80	0.00
Dinoseb	10.86	10.87	10.77	10.97	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/05/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.64	7.65	7.55	7.75	0.01
2,4-DCAA	7.46	7.47	7.37	7.57	0.01
Dalapon	2.52	2.53	2.43	2.63	0.01
DICHLORPROP	8.34	8.35	8.25	8.45	0.01
2,4-D	8.65	8.66	8.56	8.76	0.01
2,4,5-TP(Silvex)	9.53	9.54	9.44	9.64	0.01
2,4,5-T	9.93	9.95	9.85	10.05	0.02
2,4-DB	10.49	10.51	10.41	10.61	0.02
Dinoseb	10.87	10.88	10.78	10.98	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030029.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.140	9.044	9.244	757.080	712.500	6.3
2,4,5-TP(Silvex)	8.857	8.762	8.962	758.140	712.500	6.4
2,4-D	8.015	7.919	8.119	776.810	705.000	10.2
2,4-DB	9.698	9.603	9.803	770.300	712.500	8.1
2,4-DCAA	6.938	6.842	7.042	772.860	750.000	3.0
Dalapon	2.446	2.349	2.549	769.750	682.500	12.8
DICAMBA	7.114	7.018	7.218	745.680	705.000	5.8
DICHLORPROP	7.795	7.699	7.899	758.480	705.000	7.6
Dinoseb	10.861	10.766	10.966	741.300	705.000	5.1

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL06 **Date Analyzed:** 05/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030029.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.933	9.847	10.047	770.140	712.500	8.1
2,4,5-TP(Silvex)	9.528	9.442	9.642	784.120	712.500	10.1
2,4-D	8.649	8.561	8.761	745.960	705.000	5.8
2,4-DB	10.491	10.407	10.607	757.060	712.500	6.3
2,4-DCAA	7.456	7.367	7.567	788.400	750.000	5.1
Dalapon	2.517	2.425	2.625	730.340	682.500	7.0
DICAMBA	7.642	7.553	7.753	789.280	705.000	12.0
DICHLORPROP	8.336	8.248	8.448	749.950	705.000	6.4
Dinoseb	10.865	10.781	10.981	753.620	705.000	6.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 09:55
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 12:29:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #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	6.938	7.456	1902.1E6	555.4E6	772.860	788.396
	Target Compounds						
1) T	Dalapon	2.446	2.517	3152.3E6	1268.0E6	769.749	730.345
2) T	3,5-DICHL...	6.142	6.454	2580.1E6	718.9E6	721.950	735.376
3) T	4-Nitroph...	6.728	6.990	1270.3E6	554.2E6	712.324	723.635
5) T	DICAMBA	7.114	7.642	7384.3E6	3117.7E6	745.677	789.285
6) T	MCPP	7.293	7.750	474.5E6	139.3E6	73.642	79.630
7) T	MCPA	7.436	7.981	643.1E6	166.0E6	72.816	70.169
8) T	DICHLORPROP	7.795	8.336	1922.1E6	752.9E6	758.477	749.952
9) T	2,4-D	8.015	8.649	2185.1E6	840.8E6	776.807	745.962
10) T	Pentachlo...	8.293	9.150	26374.8E6	16140.6E6	756.051	793.353
11) T	2,4,5-TP ...	8.857	9.528	10510.0E6	6415.5E6	758.140	784.122
12) T	2,4,5-T	9.140	9.933	10639.4E6	5978.3E6	757.082	770.140
13) T	2,4-DB	9.698	10.491	1760.4E6	609.3E6	770.297	757.064
14) T	DINOSEB	10.861	10.865	7541.6E6	4394.3E6	741.305	753.615
15) T	Picloram	10.679	11.902	13895.4E6	8583.7E6	758.042	698.789m
16) T	DCPA	11.162	11.900	12980.1E6	8855.1E6	762.591	785.607m

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

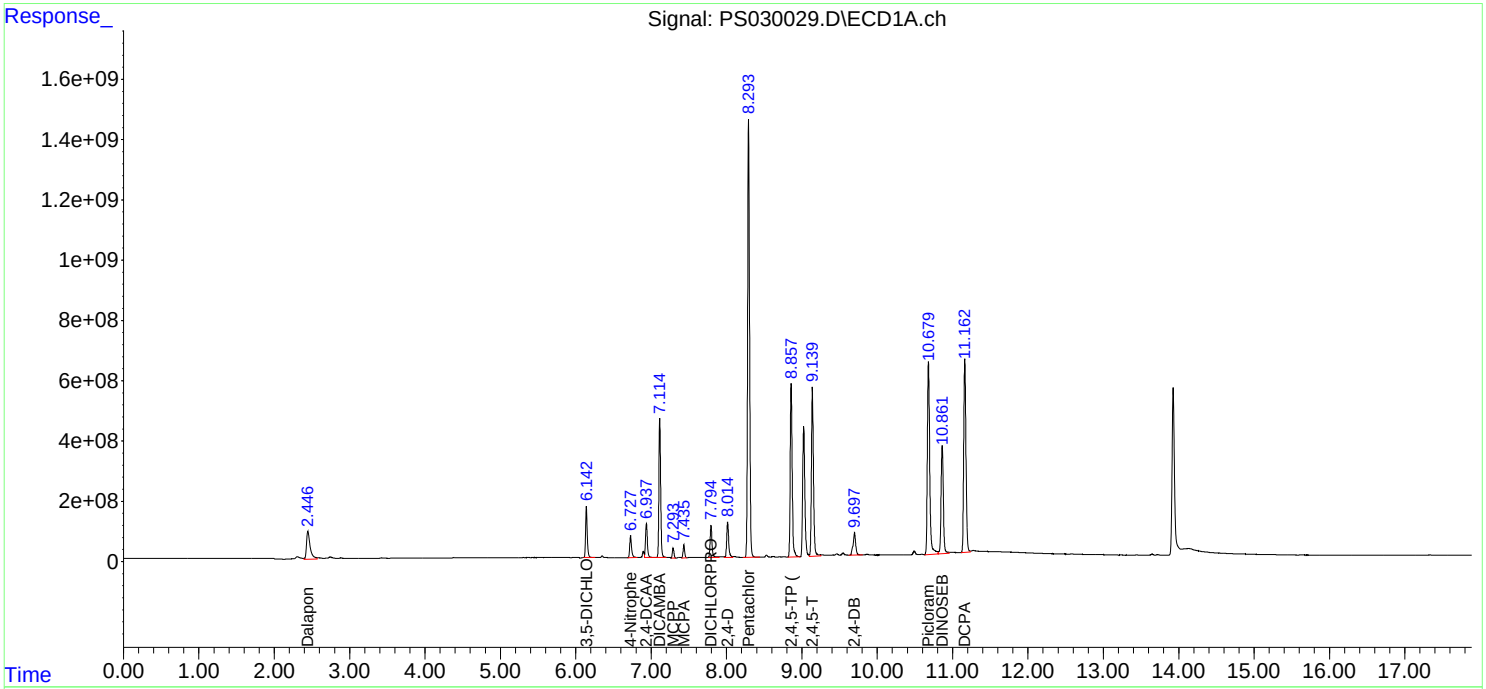
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 09:55
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

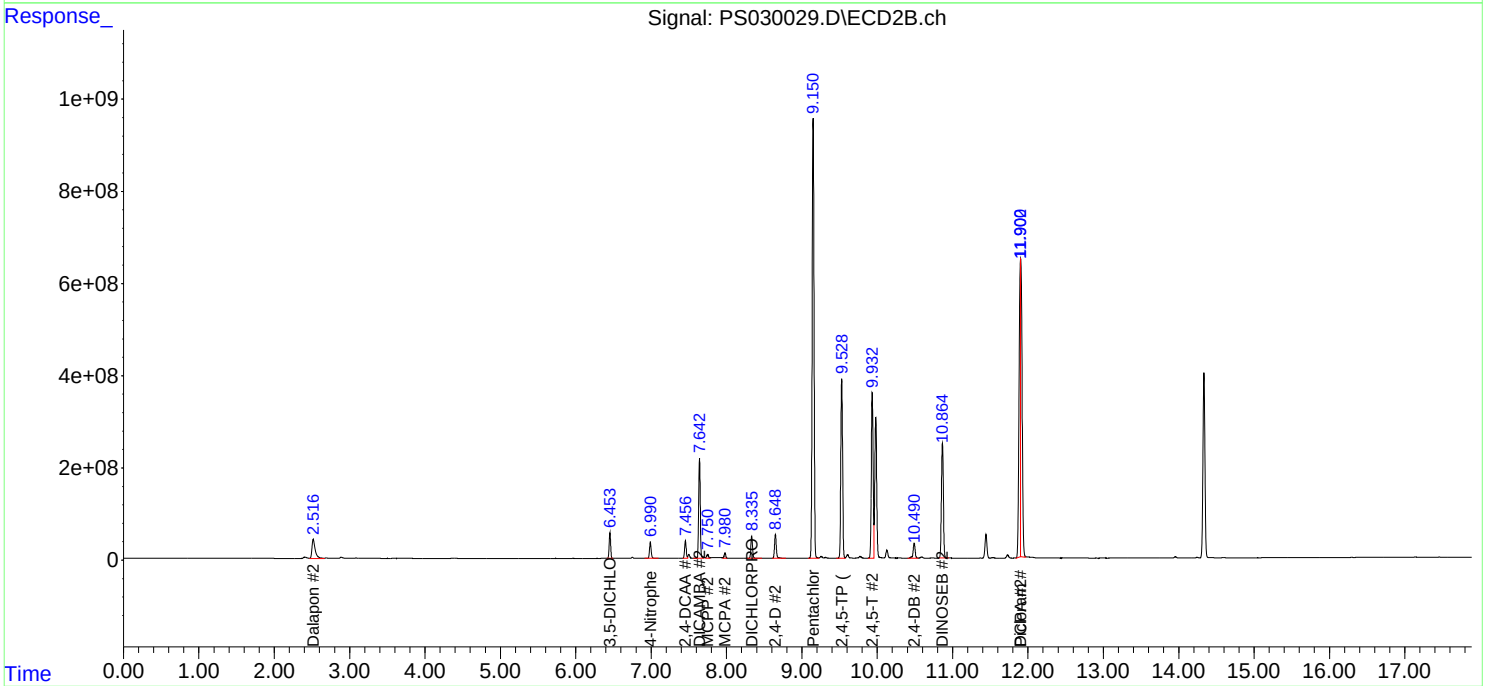
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

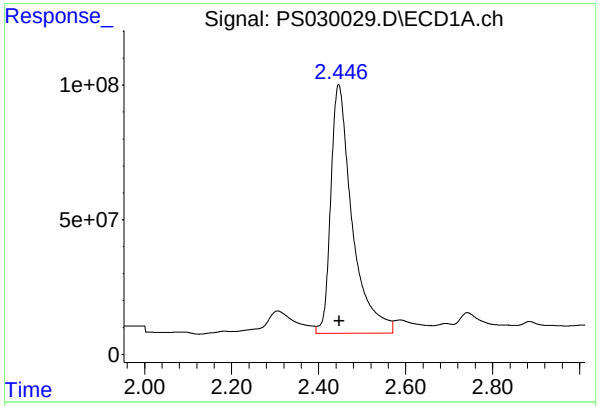
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 12:29:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







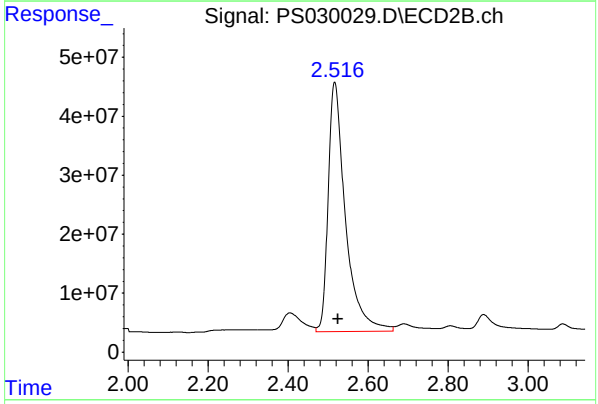
#1 Dalapon

R.T.: 2.446 min
Delta R.T.: -0.002 min
Response: 3152321923
Conc: 769.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

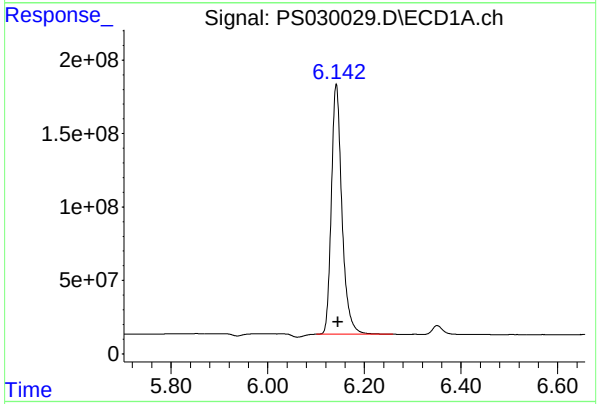
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



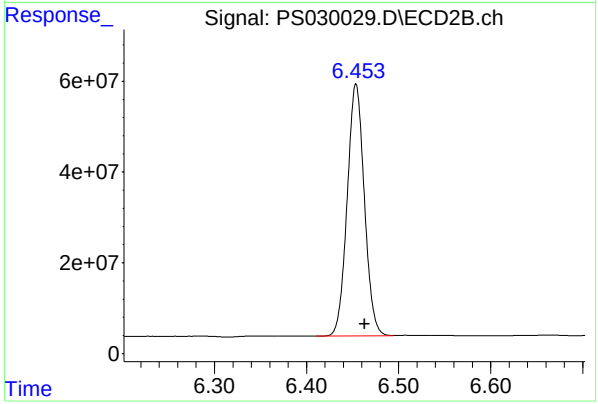
#1 Dalapon

R.T.: 2.517 min
Delta R.T.: -0.008 min
Response: 1267983437
Conc: 730.34 ng/ml



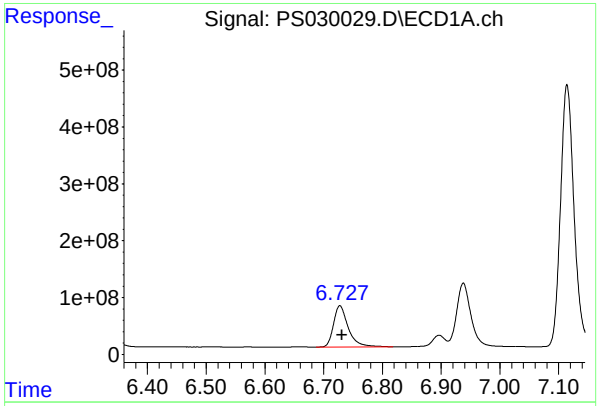
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.142 min
Delta R.T.: -0.003 min
Response: 2580095757
Conc: 721.95 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.454 min
Delta R.T.: -0.009 min
Response: 718888293
Conc: 735.38 ng/ml



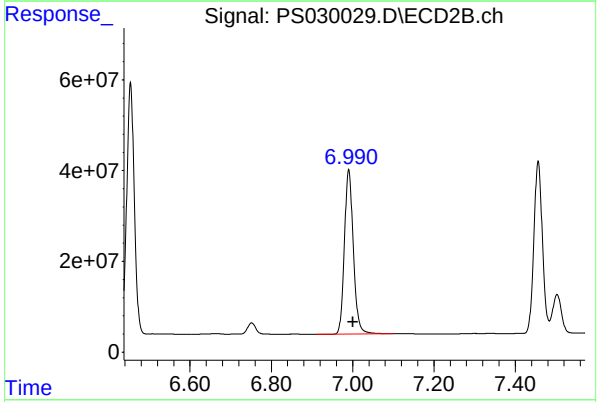
#3 4-Nitrophenol

R.T.: 6.728 min
Delta R.T.: -0.004 min
Response: 1270301802
Conc: 712.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

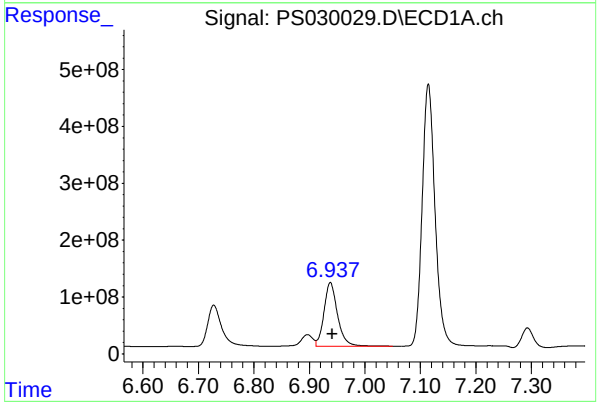
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



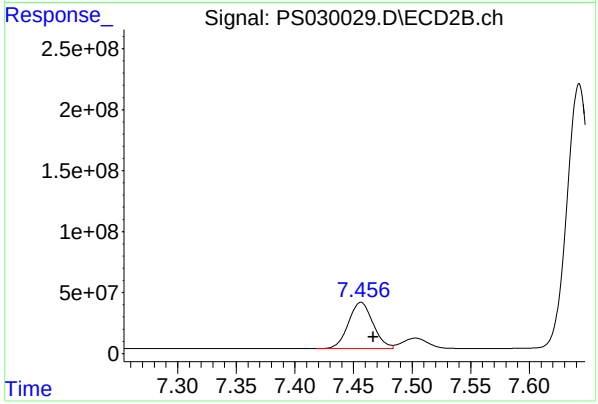
#3 4-Nitrophenol

R.T.: 6.990 min
Delta R.T.: -0.010 min
Response: 554247176
Conc: 723.63 ng/ml



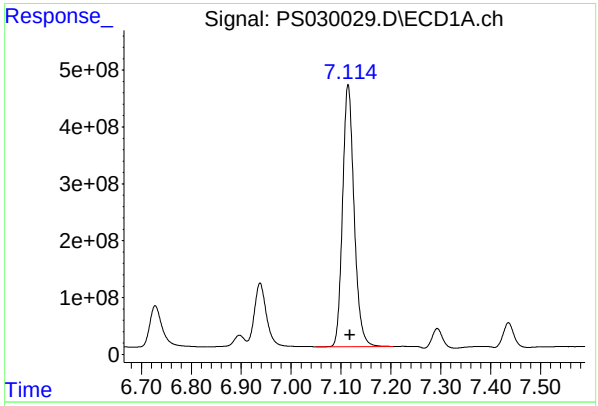
#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 1902069709
Conc: 772.86 ng/ml



#4 2,4-DCAA

R.T.: 7.456 min
Delta R.T.: -0.011 min
Response: 555438378
Conc: 788.40 ng/ml



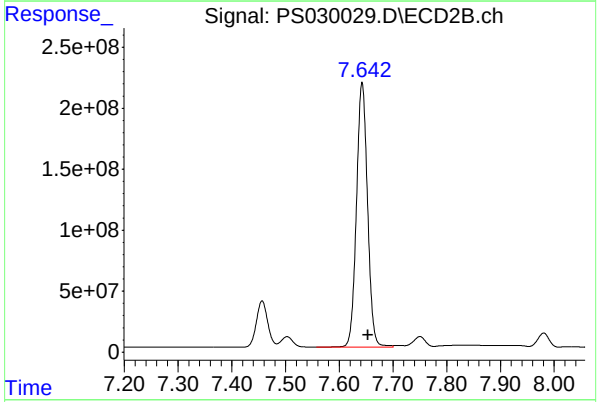
#5 DICAMBA

R.T.: 7.114 min
Delta R.T.: -0.004 min
Response: 7384334899
Conc: 745.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

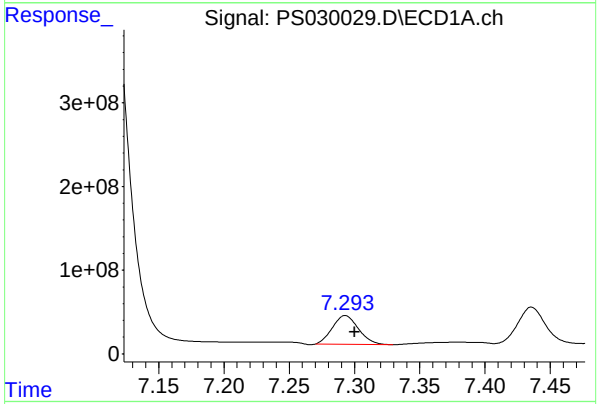
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



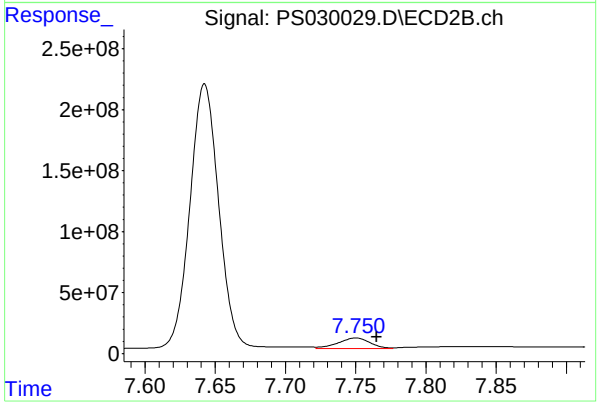
#5 DICAMBA

R.T.: 7.642 min
Delta R.T.: -0.011 min
Response: 3117725389
Conc: 789.28 ng/ml



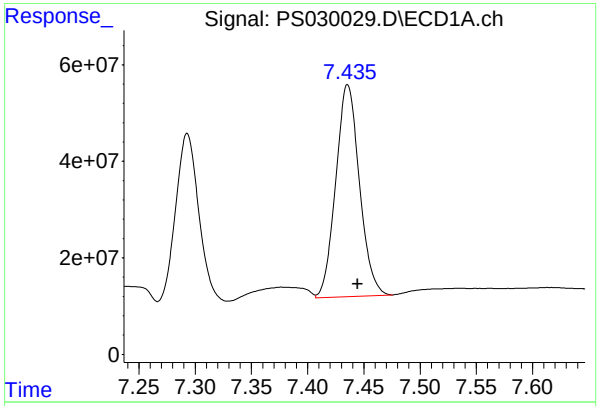
#6 MCPP

R.T.: 7.293 min
Delta R.T.: -0.007 min
Response: 474519993
Conc: 73.64 ug/ml



#6 MCPP

R.T.: 7.750 min
Delta R.T.: -0.014 min
Response: 139269003
Conc: 79.63 ug/ml



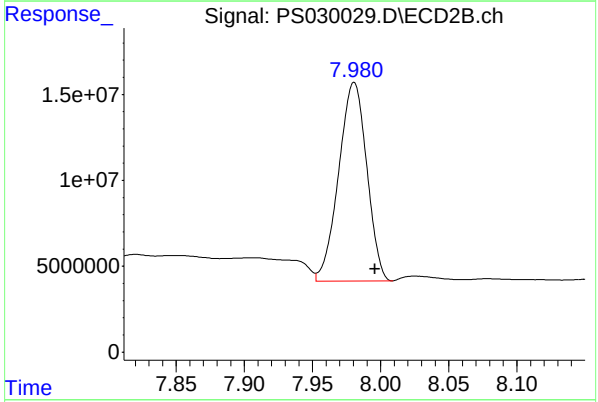
#7 MCPA

R.T.: 7.436 min
Delta R.T.: -0.009 min
Response: 643063428
Conc: 72.82 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

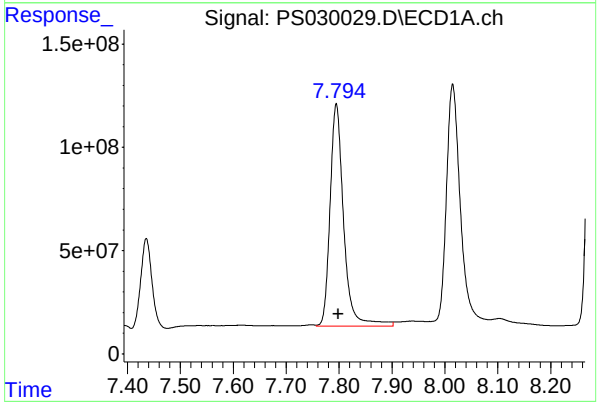
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



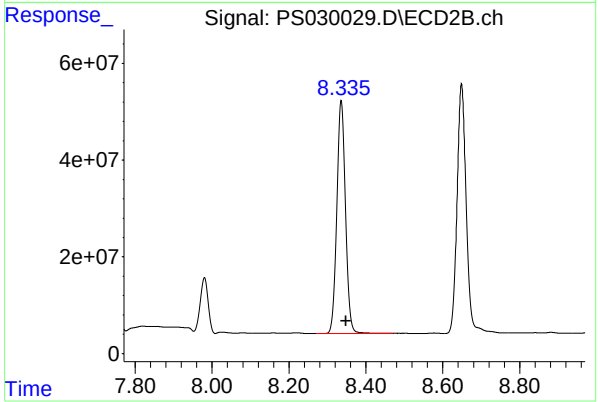
#7 MCPA

R.T.: 7.981 min
Delta R.T.: -0.015 min
Response: 166006369
Conc: 70.17 ug/ml



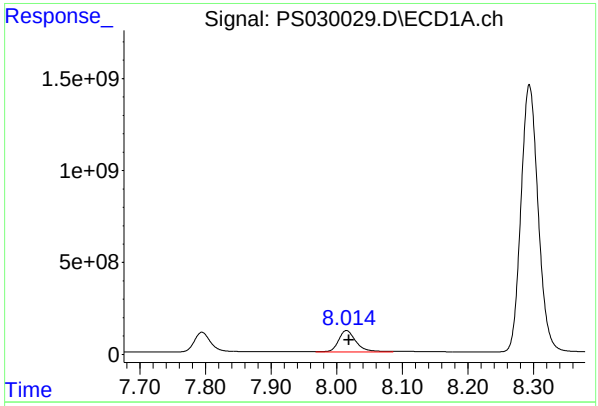
#8 DICHLORPROP

R.T.: 7.795 min
Delta R.T.: -0.004 min
Response: 1922063526
Conc: 758.48 ng/ml



#8 DICHLORPROP

R.T.: 8.336 min
Delta R.T.: -0.012 min
Response: 752925374
Conc: 749.95 ng/ml



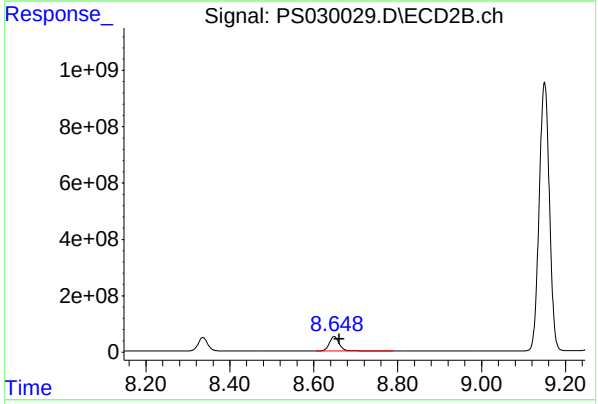
#9 2,4-D

R.T.: 8.015 min
Delta R.T.: -0.004 min
Response: 2185058539
Conc: 776.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

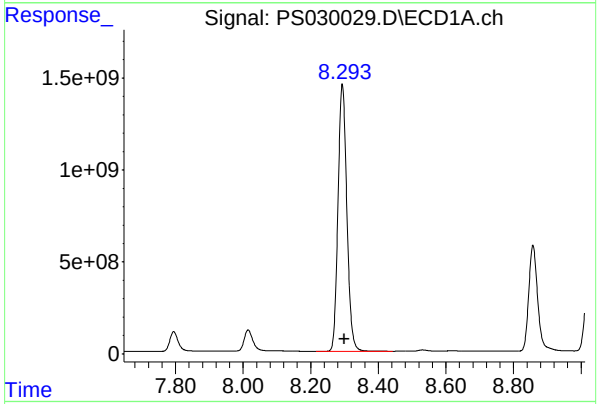
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



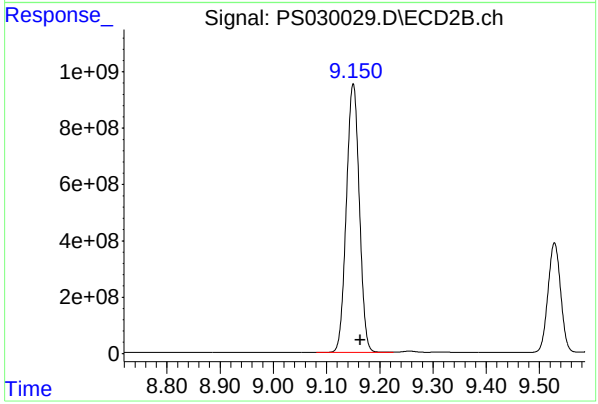
#9 2,4-D

R.T.: 8.649 min
Delta R.T.: -0.012 min
Response: 840778929
Conc: 745.96 ng/ml



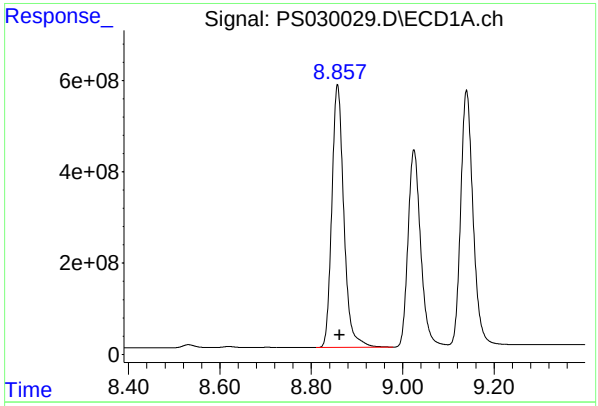
#10 Pentachlorophenol

R.T.: 8.293 min
Delta R.T.: -0.006 min
Response: 26374849284
Conc: 756.05 ng/ml



#10 Pentachlorophenol

R.T.: 9.150 min
Delta R.T.: -0.013 min
Response: 16140623302
Conc: 793.35 ng/ml



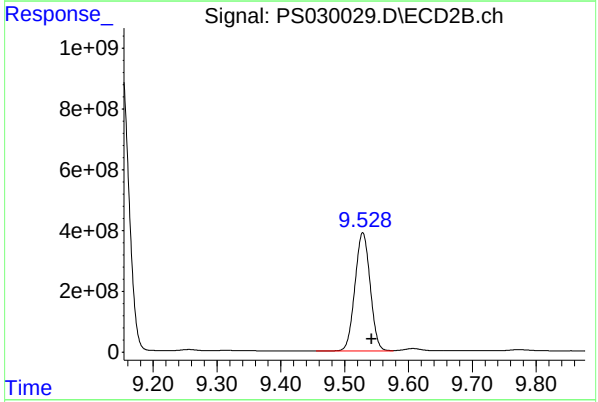
#11 2,4,5-TP (SILVEX)

R.T.: 8.857 min
Delta R.T.: -0.005 min
Response: 10509968082
Conc: 758.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

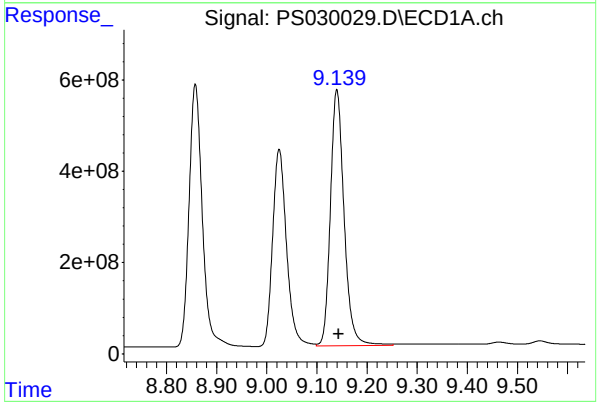
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



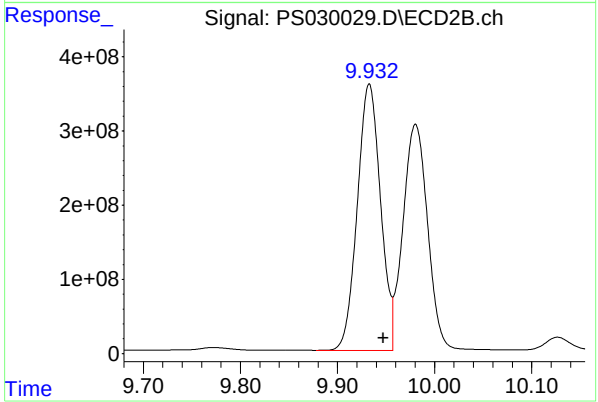
#11 2,4,5-TP (SILVEX)

R.T.: 9.528 min
Delta R.T.: -0.014 min
Response: 6415490809
Conc: 784.12 ng/ml



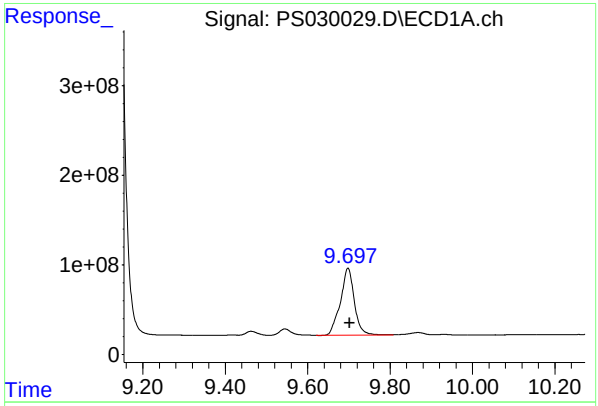
#12 2,4,5-T

R.T.: 9.140 min
Delta R.T.: -0.004 min
Response: 10639353854
Conc: 757.08 ng/ml



#12 2,4,5-T

R.T.: 9.933 min
Delta R.T.: -0.015 min
Response: 5978287108
Conc: 770.14 ng/ml



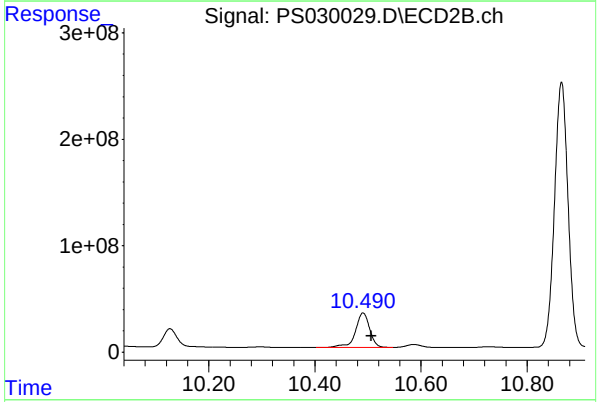
#13 2,4-DB

R.T.: 9.698 min
Delta R.T.: -0.004 min
Response: 1760403680
Conc: 770.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

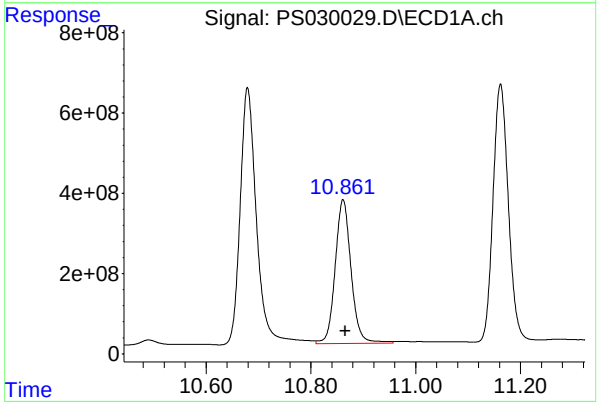
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



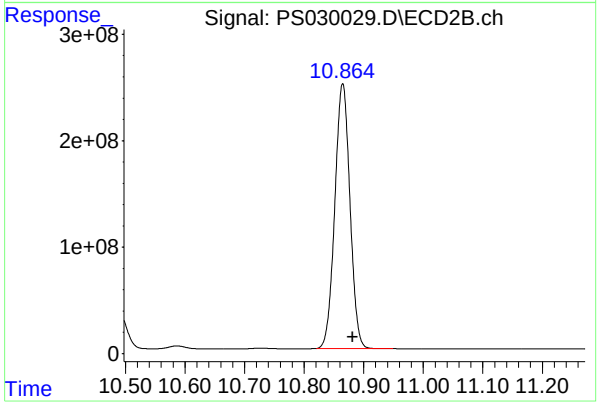
#13 2,4-DB

R.T.: 10.491 min
Delta R.T.: -0.016 min
Response: 609316861
Conc: 757.06 ng/ml



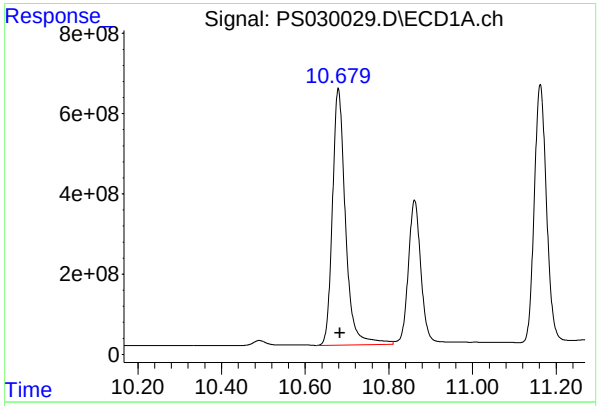
#14 DINOSEB

R.T.: 10.861 min
Delta R.T.: -0.004 min
Response: 7541611717
Conc: 741.30 ng/ml



#14 DINOSEB

R.T.: 10.865 min
Delta R.T.: -0.016 min
Response: 4394315725
Conc: 753.62 ng/ml



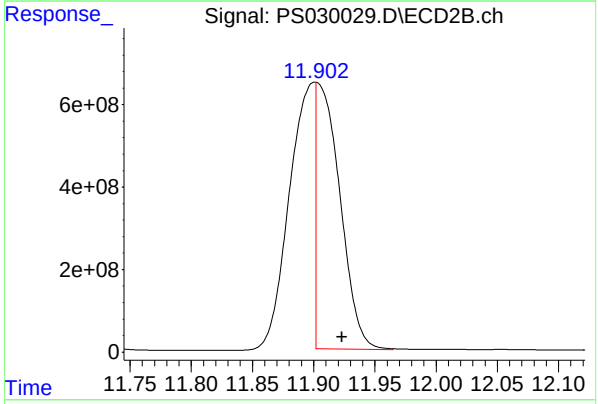
#15 Picloram

R.T.: 10.679 min
Delta R.T.: -0.004 mi
Response: 13895378925
Conc: 758.04 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

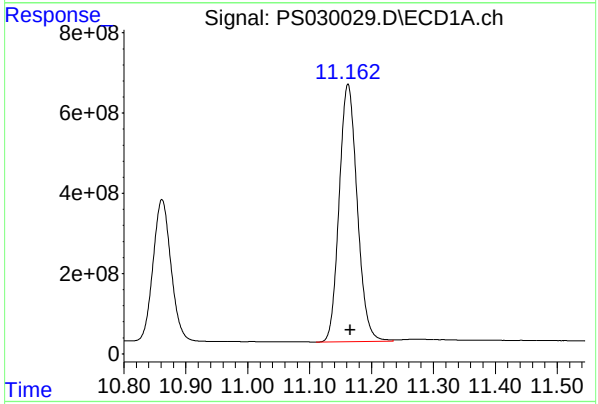
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



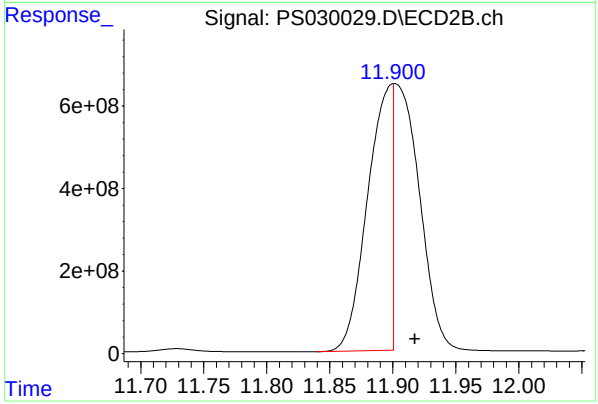
#15 Picloram

R.T.: 11.902 min
Delta R.T.: -0.021 min
Response: 8583671437
Conc: 698.79 ng/ml m



#16 DCPA

R.T.: 11.162 min
Delta R.T.: -0.004 min
Response: 12980066848
Conc: 762.59 ng/ml



#16 DCPA

R.T.: 11.900 min
Delta R.T.: -0.018 min
Response: 8855092205
Conc: 785.61 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/05/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 16:41 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.11	7.12	7.02	7.22	0.01
2,4-DCAA	6.94	6.94	6.84	7.04	0.00
Dalapon	2.45	2.45	2.35	2.55	0.01
DICHLORPROP	7.79	7.80	7.70	7.90	0.01
2,4-D	8.01	8.02	7.92	8.12	0.01
2,4,5-TP(Silvex)	8.86	8.86	8.76	8.96	0.00
2,4,5-T	9.14	9.14	9.04	9.24	0.00
2,4-DB	9.70	9.70	9.60	9.80	0.00
Dinoseb	10.86	10.87	10.77	10.97	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.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Continuing Calib Date: 05/05/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 16:41 **Initial Calibration Time(s):** 11:01 12:37

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.64	7.65	7.55	7.75	0.01
2,4-DCAA	7.46	7.47	7.37	7.57	0.02
Dalapon	2.52	2.53	2.43	2.63	0.01
DICHLORPROP	8.34	8.35	8.25	8.45	0.01
2,4-D	8.65	8.66	8.56	8.76	0.01
2,4,5-TP(Silvex)	9.53	9.54	9.44	9.64	0.01
2,4,5-T	9.93	9.95	9.85	10.05	0.02
2,4-DB	10.49	10.51	10.41	10.61	0.02
Dinoseb	10.86	10.88	10.78	10.98	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030041.D **Time Analyzed:** 16:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.139	9.044	9.244	707.160	712.500	-0.7
2,4,5-TP(Silvex)	8.857	8.762	8.962	704.000	712.500	-1.2
2,4-D	8.014	7.919	8.119	687.970	705.000	-2.4
2,4-DB	9.699	9.603	9.803	717.320	712.500	0.7
2,4-DCAA	6.936	6.842	7.042	721.190	750.000	-3.8
Dalapon	2.445	2.349	2.549	720.930	682.500	5.6
DICAMBA	7.114	7.018	7.218	688.440	705.000	-2.3
DICHLORPROP	7.794	7.699	7.899	674.770	705.000	-4.3
Dinoseb	10.861	10.766	10.966	699.240	705.000	-0.8

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL07 **Date Analyzed:** 05/05/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030041.D **Time Analyzed:** 16:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.932	9.847	10.047	719.530	712.500	1.0
2,4,5-TP(Silvex)	9.527	9.442	9.642	729.410	712.500	2.4
2,4-D	8.648	8.561	8.761	696.650	705.000	-1.2
2,4-DB	10.490	10.407	10.607	693.040	712.500	-2.7
2,4-DCAA	7.455	7.367	7.567	737.500	750.000	-1.7
Dalapon	2.516	2.425	2.625	674.830	682.500	-1.1
DICAMBA	7.642	7.553	7.753	730.790	705.000	3.7
DICHLORPROP	8.335	8.248	8.448	708.150	705.000	0.4
Dinoseb	10.864	10.781	10.981	696.840	705.000	-1.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 16:41
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:40:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.936	7.455	1774.9E6	519.6E6	721.191	737.501
	Target Compounds						
1) T	Dalapon	2.445	2.516	2952.4E6	1171.6E6	720.926	674.830
2) T	3,5-DICHL...	6.141	6.453	2409.7E6	672.1E6	674.261	687.519
3) T	4-Nitroph...	6.727	6.988	1181.1E6	512.8E6	662.301	669.462m
5) T	DICAMBA	7.114	7.642	6817.6E6	2886.7E6	688.443	730.789
6) T	MCPP	7.292	7.748	422.5E6	110.6E6	65.574	63.223
7) T	MCPA	7.435	7.979	581.0E6	149.4E6	65.784	63.137
8) T	DICHLORPROP	7.794	8.335	1709.9E6	711.0E6	674.770	708.151
9) T	2,4-D	8.014	8.648	1935.2E6	785.2E6	687.965	696.646
10) T	Pentachlo...	8.292	9.149	24554.7E6	15042.3E6	703.874	739.367
11) T	2,4,5-TP ...	8.857	9.527	9759.5E6	5967.9E6	704.004	729.413
12) T	2,4,5-T	9.139	9.932	9937.7E6	5585.4E6	707.156	719.532
13) T	2,4-DB	9.699	10.490	1639.3E6	557.8E6	717.316	693.045
14) T	DINOSEB	10.861	10.864	7113.6E6	4063.2E6	699.237	696.838
15) T	Picloram	10.680	11.903	13035.9E6	7955.5E6	711.154	647.647m
16) T	DCPA	11.162	11.900	12175.4E6	8586.9E6	715.318	761.813m

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

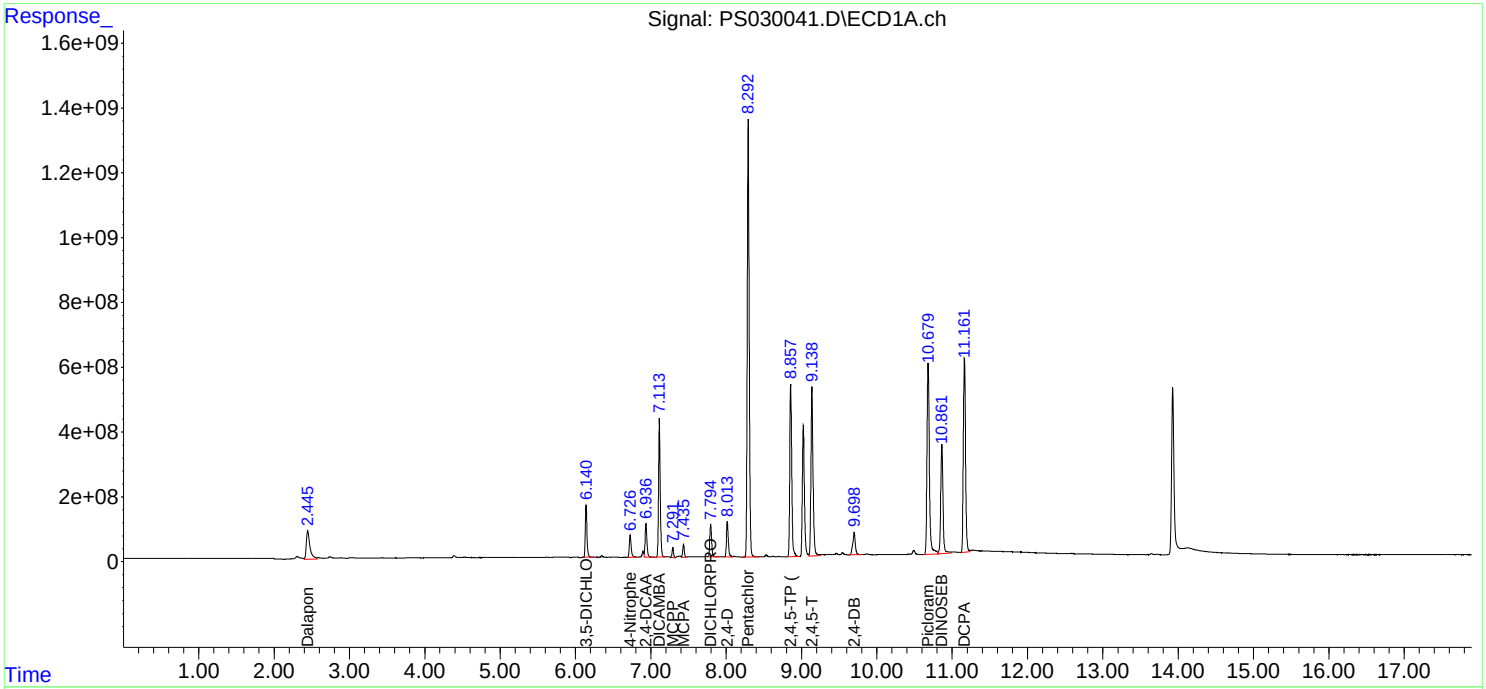
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 16:41
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

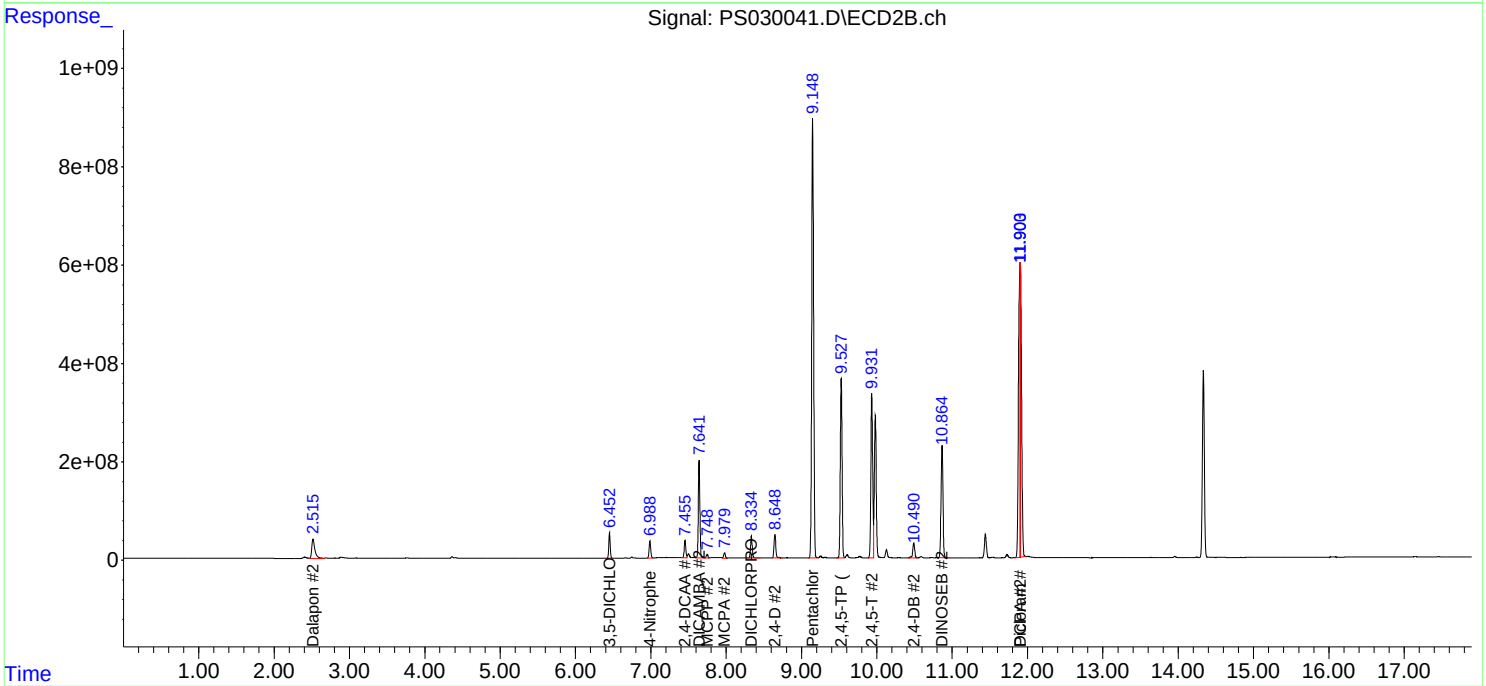
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

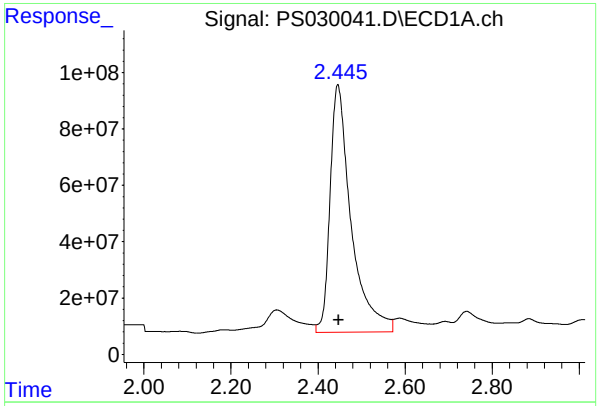
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:40:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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







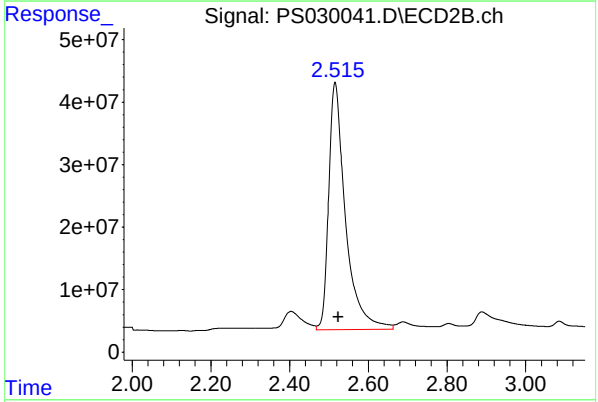
#1 Dalapon

R.T.: 2.445 min
Delta R.T.: -0.003 min
Response: 2952377655
Conc: 720.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

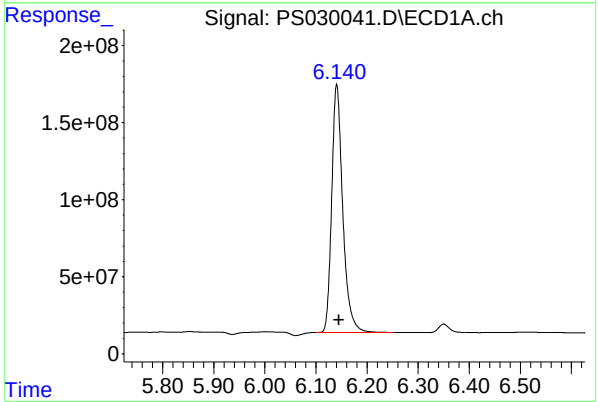
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



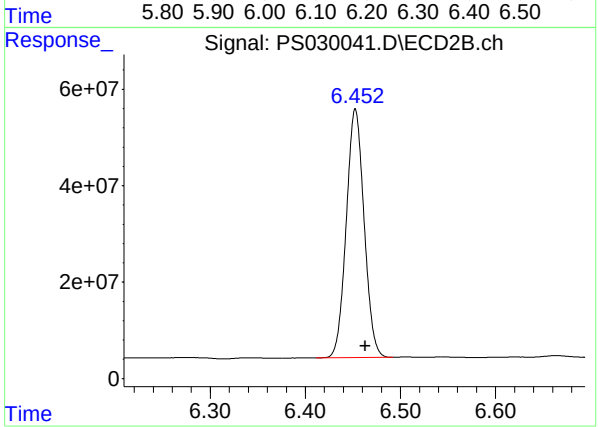
#1 Dalapon

R.T.: 2.516 min
Delta R.T.: -0.009 min
Response: 1171602771
Conc: 674.83 ng/ml



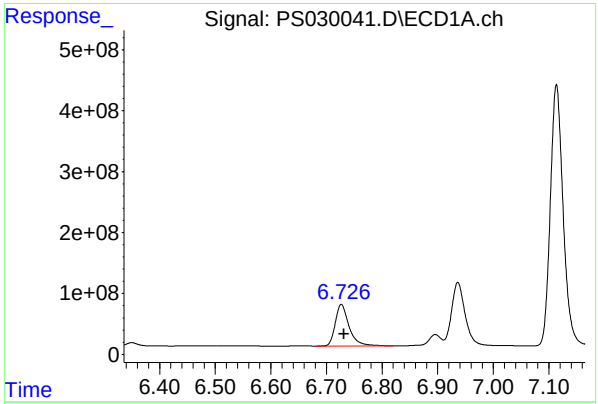
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.141 min
Delta R.T.: -0.005 min
Response: 2409663155
Conc: 674.26 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.453 min
Delta R.T.: -0.010 min
Response: 672104770
Conc: 687.52 ng/ml



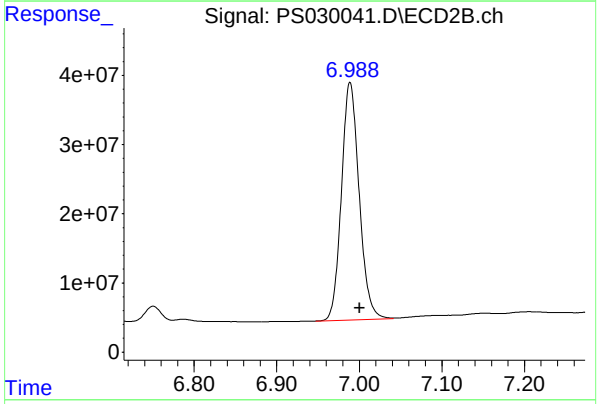
#3 4-Nitrophenol

R.T.: 6.727 min
Delta R.T.: -0.005 min
Response: 1181094054
Conc: 662.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

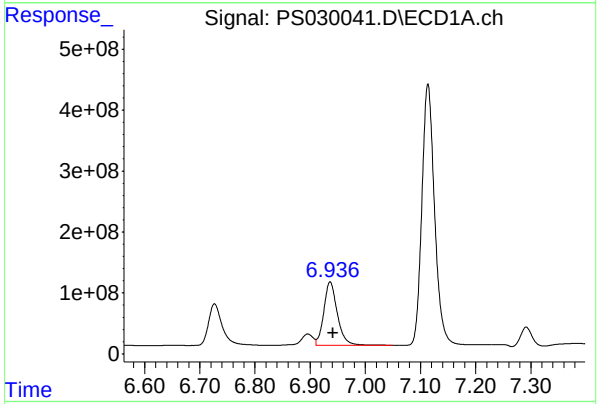
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



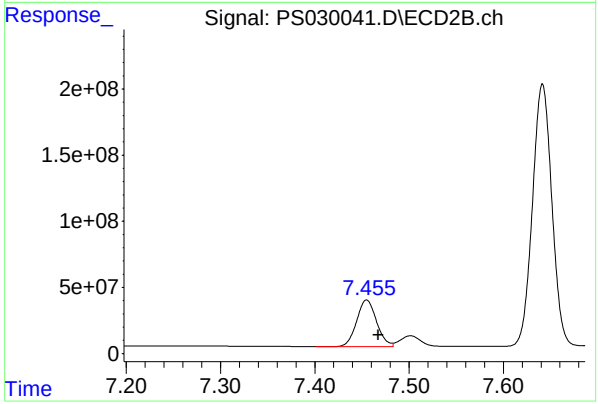
#3 4-Nitrophenol

R.T.: 6.988 min
Delta R.T.: -0.012 min
Response: 512755332
Conc: 669.46 ng/ml m



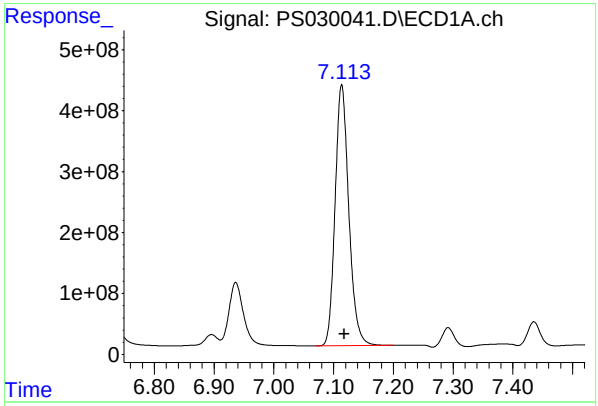
#4 2,4-DCAA

R.T.: 6.936 min
Delta R.T.: -0.005 min
Response: 1774908871
Conc: 721.19 ng/ml



#4 2,4-DCAA

R.T.: 7.455 min
Delta R.T.: -0.012 min
Response: 519581780
Conc: 737.50 ng/ml



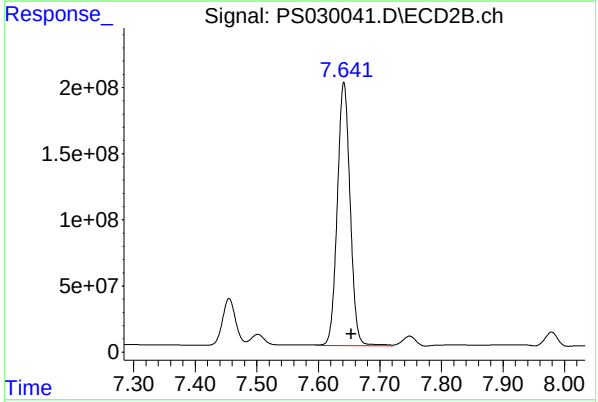
#5 DICAMBA

R.T.: 7.114 min
Delta R.T.: -0.004 min
Response: 6817562025
Conc: 688.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

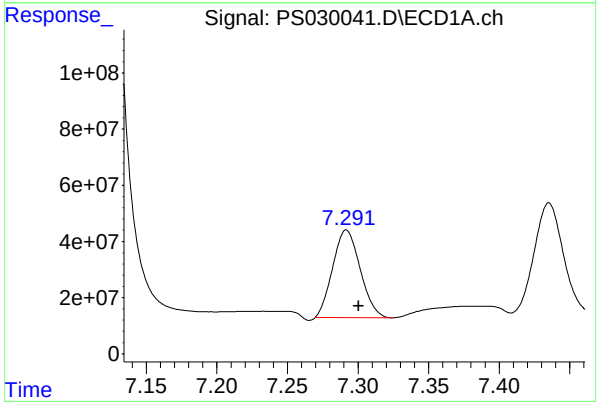
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



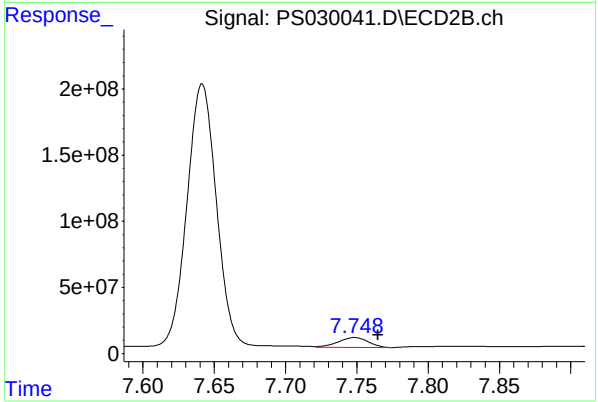
#5 DICAMBA

R.T.: 7.642 min
Delta R.T.: -0.012 min
Response: 2886665237
Conc: 730.79 ng/ml



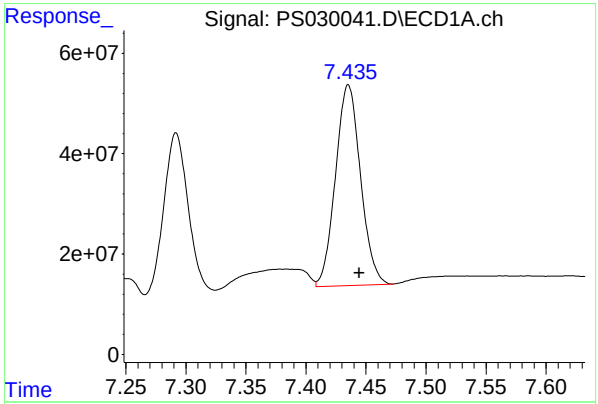
#6 MCPP

R.T.: 7.292 min
Delta R.T.: -0.009 min
Response: 422534047
Conc: 65.57 ug/ml



#6 MCPP

R.T.: 7.748 min
Delta R.T.: -0.016 min
Response: 110573744
Conc: 63.22 ug/ml



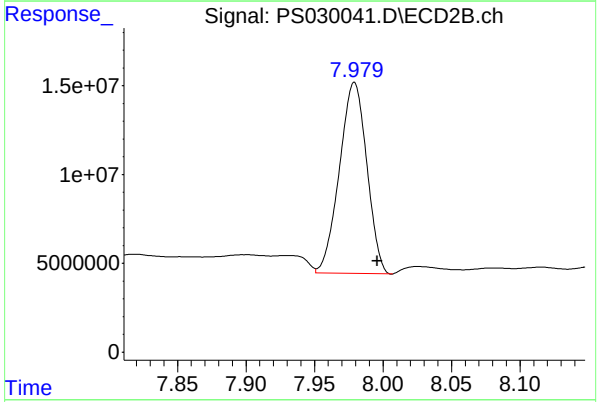
#7 MCPA

R.T.: 7.435 min
Delta R.T.: -0.009 min
Response: 580958132
Conc: 65.78 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

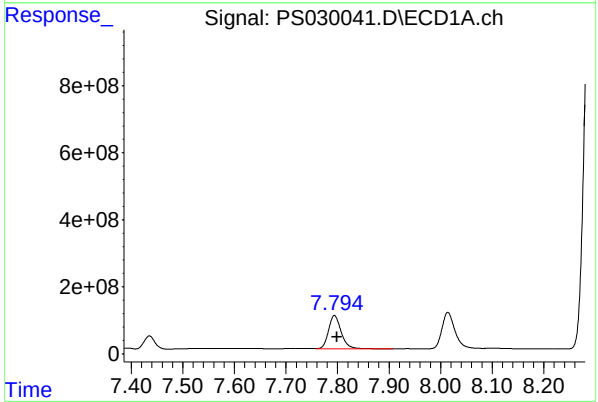
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



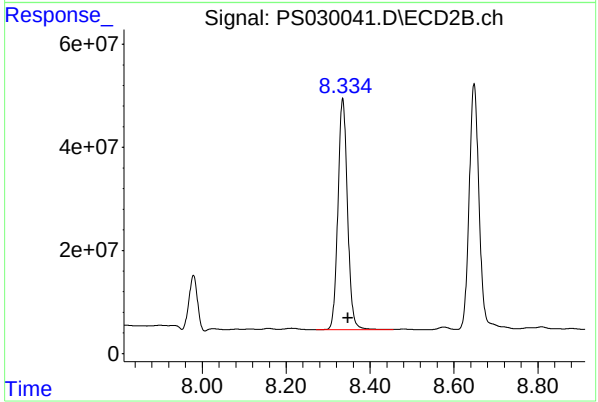
#7 MCPA

R.T.: 7.979 min
Delta R.T.: -0.017 min
Response: 149368796
Conc: 63.14 ug/ml



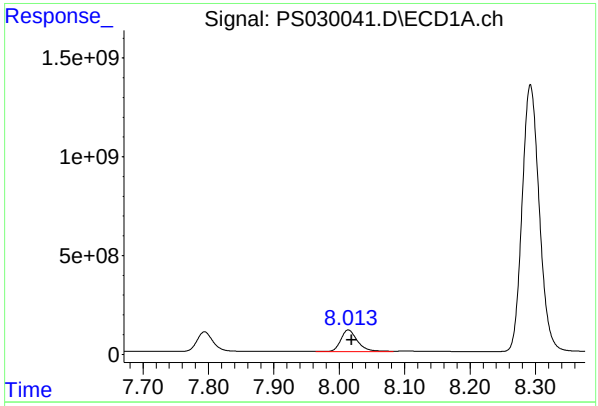
#8 DICHLORPROP

R.T.: 7.794 min
Delta R.T.: -0.005 min
Response: 1709939199
Conc: 674.77 ng/ml



#8 DICHLORPROP

R.T.: 8.335 min
Delta R.T.: -0.013 min
Response: 710958723
Conc: 708.15 ng/ml



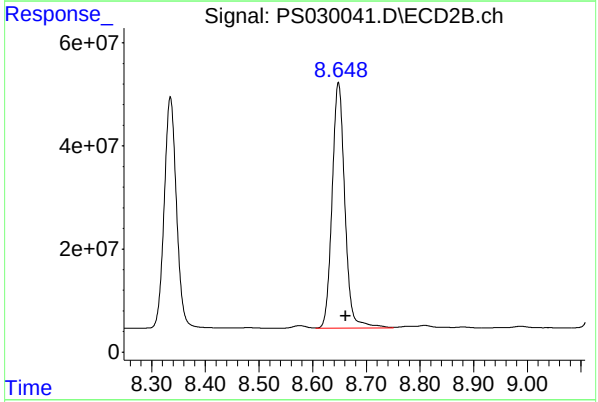
#9 2,4-D

R.T.: 8.014 min
Delta R.T.: -0.005 min
Response: 1935157953
Conc: 687.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

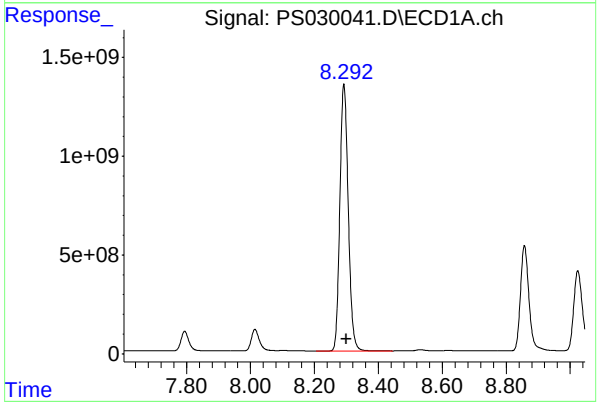
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



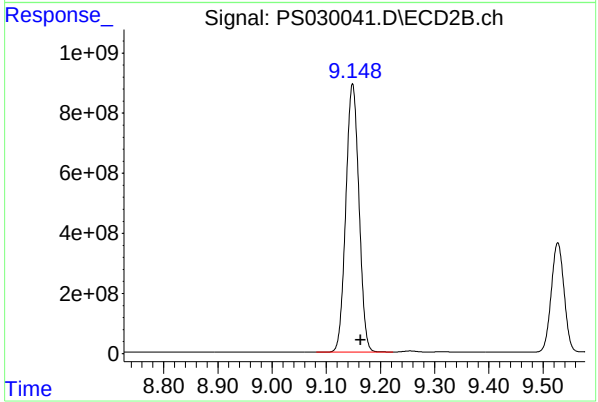
#9 2,4-D

R.T.: 8.648 min
Delta R.T.: -0.013 min
Response: 785195057
Conc: 696.65 ng/ml



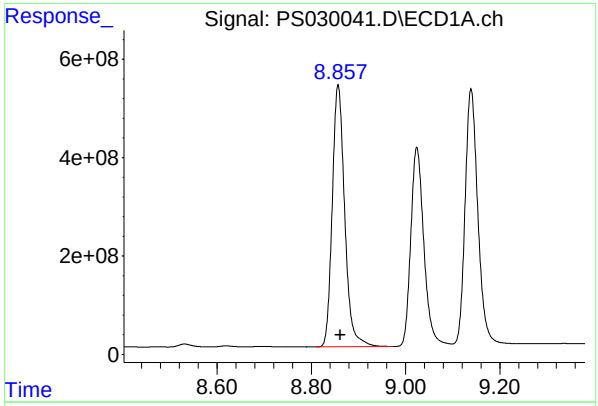
#10 Pentachlorophenol

R.T.: 8.292 min
Delta R.T.: -0.007 min
Response: 24554651193
Conc: 703.87 ng/ml



#10 Pentachlorophenol

R.T.: 9.149 min
Delta R.T.: -0.015 min
Response: 15042285138
Conc: 739.37 ng/ml



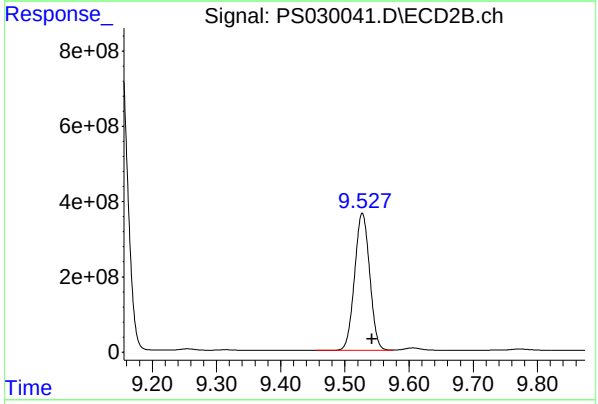
#11 2,4,5-TP (SILVEX)

R.T.: 8.857 min
Delta R.T.: -0.005 min
Response: 9759498519
Conc: 704.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

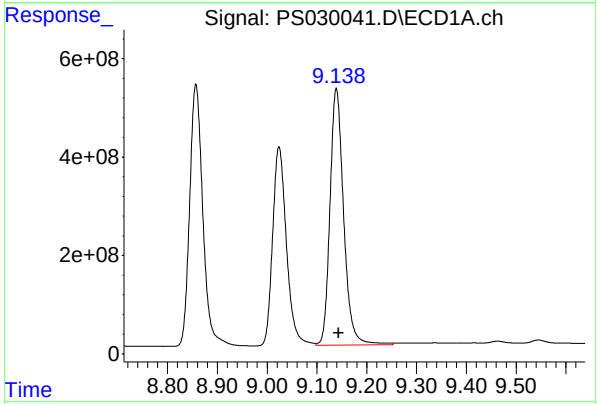
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



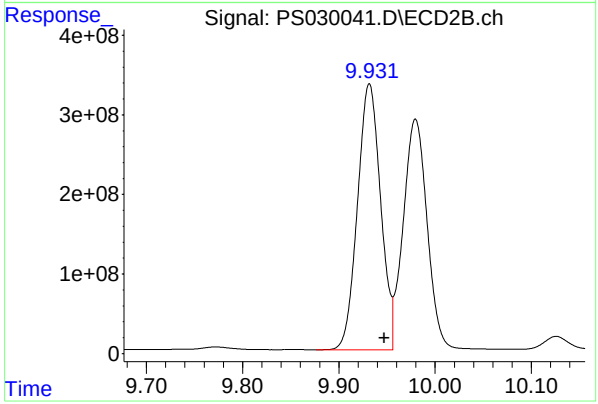
#11 2,4,5-TP (SILVEX)

R.T.: 9.527 min
Delta R.T.: -0.015 min
Response: 5967877580
Conc: 729.41 ng/ml



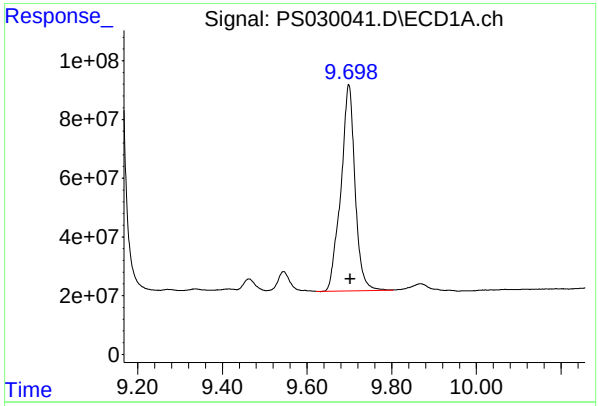
#12 2,4,5-T

R.T.: 9.139 min
Delta R.T.: -0.005 min
Response: 9937744206
Conc: 707.16 ng/ml



#12 2,4,5-T

R.T.: 9.932 min
Delta R.T.: -0.015 min
Response: 5585441010
Conc: 719.53 ng/ml



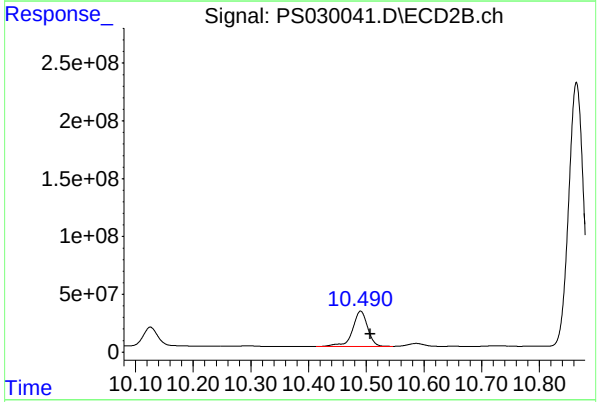
#13 2,4-DB

R.T.: 9.699 min
Delta R.T.: -0.003 min
Response: 1639322217
Conc: 717.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

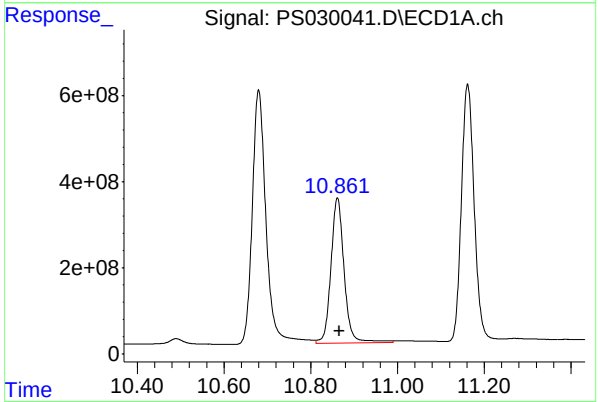
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



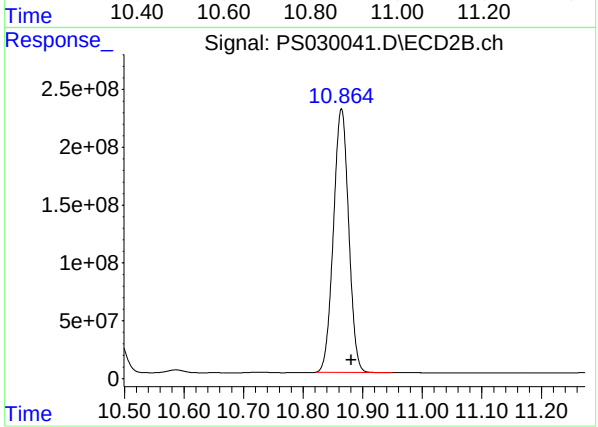
#13 2,4-DB

R.T.: 10.490 min
Delta R.T.: -0.016 min
Response: 557791820
Conc: 693.04 ng/ml



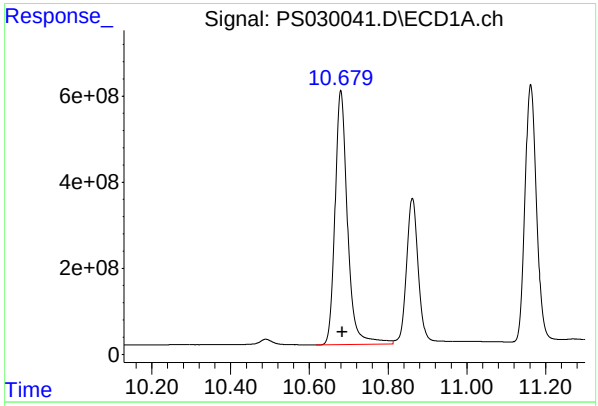
#14 DINOSEB

R.T.: 10.861 min
Delta R.T.: -0.004 min
Response: 7113634891
Conc: 699.24 ng/ml



#14 DINOSEB

R.T.: 10.864 min
Delta R.T.: -0.017 min
Response: 4063249852
Conc: 696.84 ng/ml



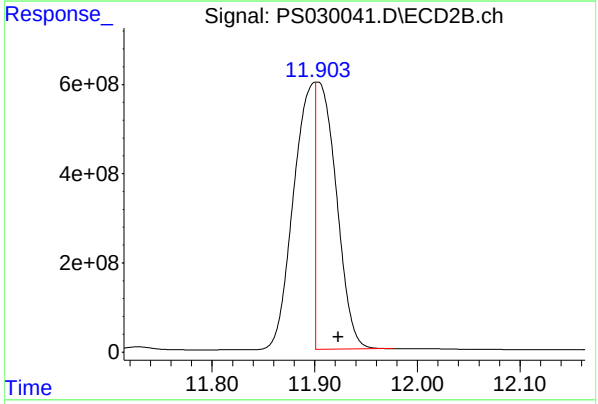
#15 Picloram

R.T.: 10.680 min
Delta R.T.: -0.004 min
Response: 13035887532
Conc: 711.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

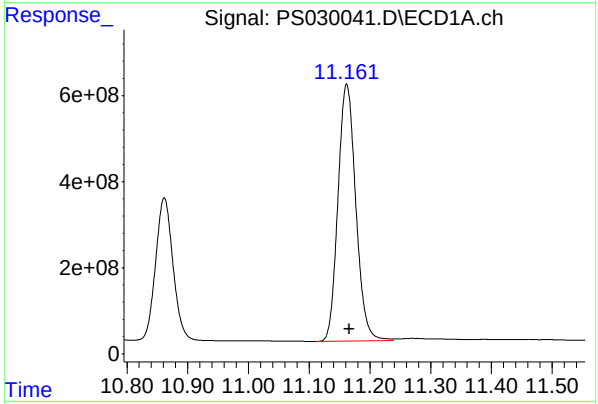
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



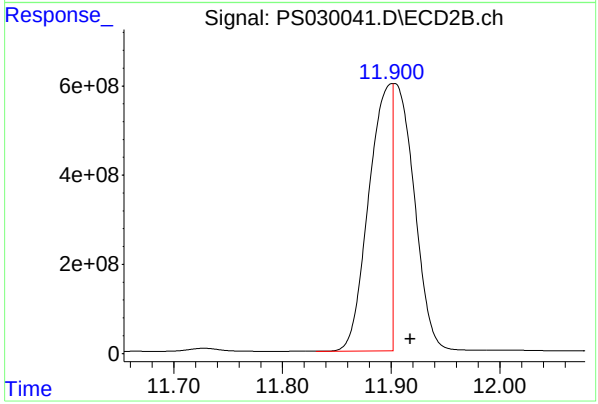
#15 Picloram

R.T.: 11.903 min
Delta R.T.: -0.020 min
Response: 7955463020
Conc: 647.65 ng/ml m



#16 DCPA

R.T.: 11.162 min
Delta R.T.: -0.004 min
Response: 12175434673
Conc: 715.32 ng/ml



#16 DCPA

R.T.: 11.900 min
Delta R.T.: -0.017 min
Response: 8586896527
Conc: 761.81 ng/ml m

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.:** Q1883

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

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/23/2025 04/23/2025

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	04/23/2025	10:37	PS029918.D	6.94	0.00
HSTDICC200	HSTDICC200	04/23/2025	11:01	PS029919.D	6.94	0.00
HSTDICC500	HSTDICC500	04/23/2025	11:25	PS029920.D	6.94	0.00
HSTDICC750	HSTDICC750	04/23/2025	11:49	PS029921.D	6.94	0.00
HSTDICC1000	HSTDICC1000	04/23/2025	12:13	PS029922.D	6.94	0.00
HSTDICC1500	HSTDICC1500	04/23/2025	12:37	PS029923.D	6.94	0.00
I.BLK	I.BLK	05/01/2025	00:58	PS029990.D	6.94	0.00
HSTDCCC750	HSTDCCC750	05/01/2025	01:22	PS029991.D	6.94	0.00
WC-5MS	Q1906-05MS	05/01/2025	04:34	PS029999.D	6.92	0.00
WC-5MSD	Q1906-05MSD	05/01/2025	04:58	PS030000.D	6.92	0.00
I.BLK	I.BLK	05/01/2025	06:10	PS030001.D	6.94	0.00
HSTDCCC750	HSTDCCC750	05/01/2025	06:59	PS030002.D	6.94	0.00
PB167796BL	PB167796BL	05/01/2025	11:24	PS030011.D	6.94	0.00
I.BLK	I.BLK	05/01/2025	11:48	PS030012.D	6.94	0.00
HSTDCCC750	HSTDCCC750	05/01/2025	12:12	PS030013.D	6.94	0.00
I.BLK	I.BLK	05/01/2025	13:03	PS030015.D	6.94	0.00
HSTDCCC750	HSTDCCC750	05/01/2025	13:27	PS030016.D	6.94	0.00
OU4-PCS-TC-27-042325	Q1883-01	05/01/2025	13:51	PS030017.D	6.94	0.00
OU4-PCS-TC-28-042325	Q1883-03	05/01/2025	14:15	PS030018.D	6.94	0.00
OU4-PCS-TC-29-042325	Q1883-05	05/01/2025	14:39	PS030019.D	6.94	0.00
OU4-PCS-TC-30-042325	Q1883-07	05/01/2025	15:04	PS030020.D	6.94	0.00
OU4-PCS-TC-31-042325	Q1883-09	05/01/2025	15:28	PS030021.D	6.94	0.00
OU4-PCS-TC-32-042325	Q1883-11	05/01/2025	15:52	PS030022.D	6.94	0.00
OU4-VSL-18-042325	Q1883-13	05/01/2025	16:16	PS030023.D	6.94	0.00
OU4-VSL-19-042325	Q1883-15	05/01/2025	16:40	PS030024.D	6.94	0.00
I.BLK	I.BLK	05/01/2025	17:04	PS030025.D	6.94	0.00
HSTDCCC750	HSTDCCC750	05/01/2025	17:28	PS030026.D	6.94	0.00
I.BLK	I.BLK	05/05/2025	08:38	PS030028.D	6.94	0.00
HSTDCCC750	HSTDCCC750	05/05/2025	09:55	PS030029.D	6.94	0.00
PB167796BS	PB167796BS	05/05/2025	13:47	PS030038.D	6.94	0.00
I.BLK	I.BLK	05/05/2025	14:35	PS030040.D	6.94	0.00
HSTDCCC750	HSTDCCC750	05/05/2025	16:41	PS030041.D	6.94	0.00

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q1883

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

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/23/2025 04/23/2025

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	04/23/2025	10:37	PS029918.D	7.47	0.00
HSTDICC200	HSTDICC200	04/23/2025	11:01	PS029919.D	7.47	0.00
HSTDICC500	HSTDICC500	04/23/2025	11:25	PS029920.D	7.47	0.00
HSTDICC750	HSTDICC750	04/23/2025	11:49	PS029921.D	7.47	0.00
HSTDICC1000	HSTDICC1000	04/23/2025	12:13	PS029922.D	7.47	0.00
HSTDICC1500	HSTDICC1500	04/23/2025	12:37	PS029923.D	7.47	0.00
I.BLK	I.BLK	05/01/2025	00:58	PS029990.D	7.46	0.00
HSTDCCC750	HSTDCCC750	05/01/2025	01:22	PS029991.D	7.46	0.00
WC-5MS	Q1906-05MS	05/01/2025	04:34	PS029999.D	7.46	0.00
WC-5MSD	Q1906-05MSD	05/01/2025	04:58	PS030000.D	7.46	0.00
I.BLK	I.BLK	05/01/2025	06:10	PS030001.D	7.46	0.00
HSTDCCC750	HSTDCCC750	05/01/2025	06:59	PS030002.D	7.46	0.00
PB167796BL	PB167796BL	05/01/2025	11:24	PS030011.D	7.46	0.00
I.BLK	I.BLK	05/01/2025	11:48	PS030012.D	7.46	0.00
HSTDCCC750	HSTDCCC750	05/01/2025	12:12	PS030013.D	7.46	0.00
I.BLK	I.BLK	05/01/2025	13:03	PS030015.D	7.46	0.00
HSTDCCC750	HSTDCCC750	05/01/2025	13:27	PS030016.D	7.46	0.00
OU4-PCS-TC-27-042325	Q1883-01	05/01/2025	13:51	PS030017.D	7.46	0.00
OU4-PCS-TC-28-042325	Q1883-03	05/01/2025	14:15	PS030018.D	7.46	0.00
OU4-PCS-TC-29-042325	Q1883-05	05/01/2025	14:39	PS030019.D	7.46	0.00
OU4-PCS-TC-30-042325	Q1883-07	05/01/2025	15:04	PS030020.D	7.46	0.00
OU4-PCS-TC-31-042325	Q1883-09	05/01/2025	15:28	PS030021.D	7.46	0.00
OU4-PCS-TC-32-042325	Q1883-11	05/01/2025	15:52	PS030022.D	7.46	0.00
OU4-VSL-18-042325	Q1883-13	05/01/2025	16:16	PS030023.D	7.46	0.00
OU4-VSL-19-042325	Q1883-15	05/01/2025	16:40	PS030024.D	7.46	0.00
I.BLK	I.BLK	05/01/2025	17:04	PS030025.D	7.46	0.00
HSTDCCC750	HSTDCCC750	05/01/2025	17:28	PS030026.D	7.46	0.00
I.BLK	I.BLK	05/05/2025	08:38	PS030028.D	7.46	0.00
HSTDCCC750	HSTDCCC750	05/05/2025	09:55	PS030029.D	7.46	0.00
PB167796BS	PB167796BS	05/05/2025	13:47	PS030038.D	7.46	0.00
I.BLK	I.BLK	05/05/2025	14:35	PS030040.D	7.46	0.00
HSTDCCC750	HSTDCCC750	05/05/2025	16:41	PS030041.D	7.46	0.00

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167796BS

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Lab Sample ID: PB167796BS **Date(s) Analyzed:** 05/05/2025 05/05/2025

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	9.14	9.09	9.19	171	1.2
	2	9.94	9.89	9.99	173	
2,4,5-TP(Silvex)	1	8.86	8.81	8.91	170	2.9
	2	9.53	9.48	9.58	175	
2,4-D	1	8.01	7.96	8.06	167	1.8
	2	8.65	8.60	8.70	170	
2,4-DB	1	9.70	9.65	9.75	172	2.9
	2	10.50	10.45	10.55	167	
Dalapon	1	2.45	2.40	2.50	165	3.1
	2	2.52	2.47	2.57	160	
DICHLORPROP	1	7.79	7.74	7.84	164	4.8
	2	8.34	8.29	8.39	172	
Dinoseb	1	10.86	10.81	10.91	168	1.2
	2	10.87	10.82	10.92	170	
DICAMBA	1	7.11	7.06	7.16	166	3.6
	2	7.65	7.60	7.70	172	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-5MS

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Lab Sample ID: Q1906-05MS **Date(s) Analyzed:** 05/01/2025 05/01/2025

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	2.44	2.39	2.49	270	36.6
	2	2.52	2.47	2.57	391	
DICHLORPROP	1	7.80	7.75	7.85	102	27.8
	2	8.34	8.29	8.39	135	
2,4-D	1	8.02	7.97	8.07	165	3.1
	2	8.65	8.60	8.70	160	
2,4,5-TP(Silvex)	1	8.86	8.81	8.91	80.7	18.1
	2	9.53	9.48	9.58	96.8	
2,4,5-T	1	9.14	9.09	9.19	103	7.5
	2	9.94	9.89	9.99	111	
2,4-DB	1	9.70	9.65	9.75	81.8	1
	2	10.49	10.44	10.54	81.0	
DICAMBA	1	7.12	7.07	7.17	125	4.7
	2	7.65	7.60	7.70	131	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-5MSD

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883

Lab Sample ID: Q1906-05MSD **Date(s) Analyzed:** 05/01/2025 05/01/2025

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	9.14	9.09	9.19	104	8.3
	2	9.94	9.89	9.99	113	
Dalapon	1	2.44	2.39	2.49	261	38.1
	2	2.52	2.47	2.57	384	
DICHLORPROP	1	7.80	7.75	7.85	100	31.2
	2	8.34	8.29	8.39	137	
2,4-D	1	8.02	7.97	8.07	168	3
	2	8.65	8.60	8.70	163	
2,4,5-TP(Silvex)	1	8.86	8.81	8.91	82.9	18.7
	2	9.53	9.48	9.58	100	
2,4-DB	1	9.70	9.65	9.75	72.2	15.7
	2	10.49	10.44	10.54	84.5	
DICAMBA	1	7.11	7.06	7.16	126	5.4
	2	7.65	7.60	7.70	133	

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:	PB167796BL	SDG No.:	Q1883
Lab Sample ID:	PB167796BL	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
PS030011.D	1	04/30/25 08:50	05/01/25 11:24	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.033	U	0.0077	0.033	0.067	mg/Kg
75-99-0	DALAPON	0.050	U	0.018	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.033	U	0.013	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.033	U	0.0090	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.033	U	0.0091	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.033	U	0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.033	U	0.024	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.033	U	0.011	0.033	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	433		27 - 122		87%	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\PS043025\
Data File : PS030011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 11:24
Operator : AR\AJ
Sample : PB167796BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167796BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 04:56:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.937	7.461	1065.7E6	291.0E6	433.015	413.084
	Target Compounds						

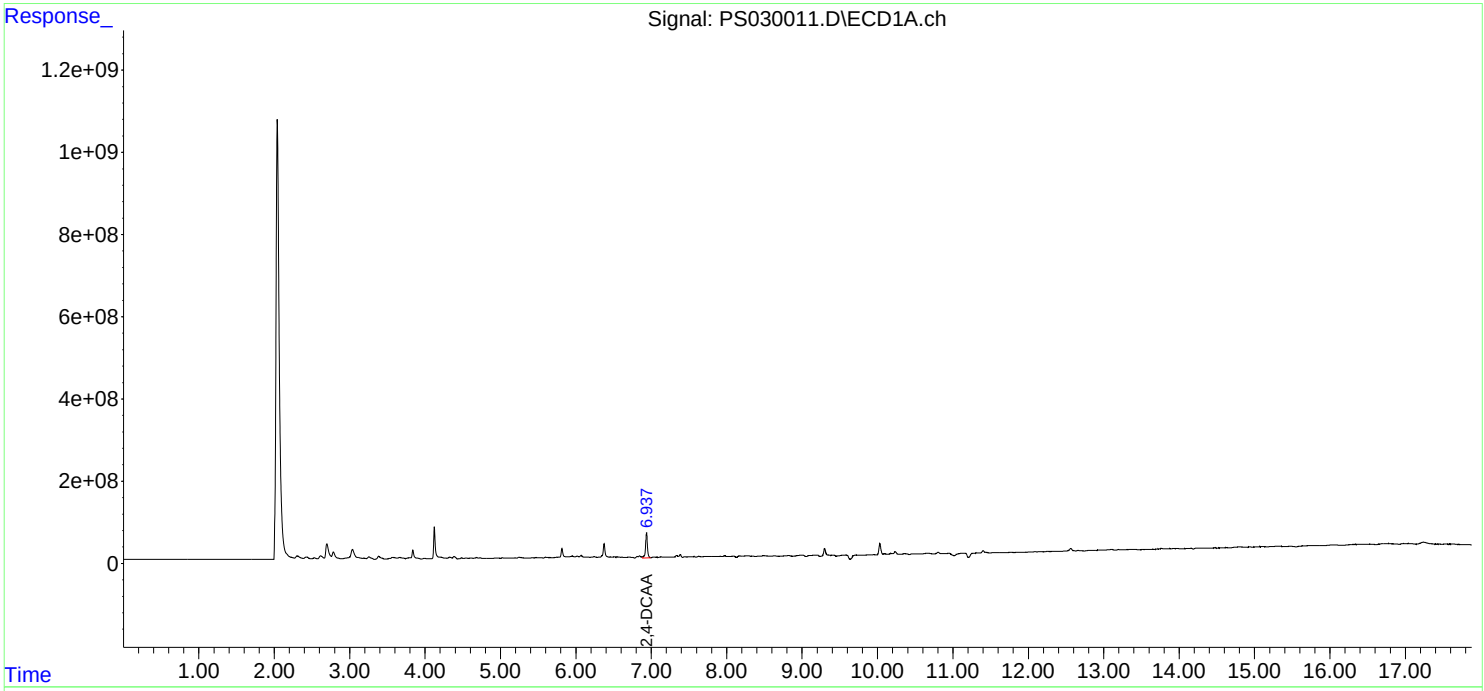
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

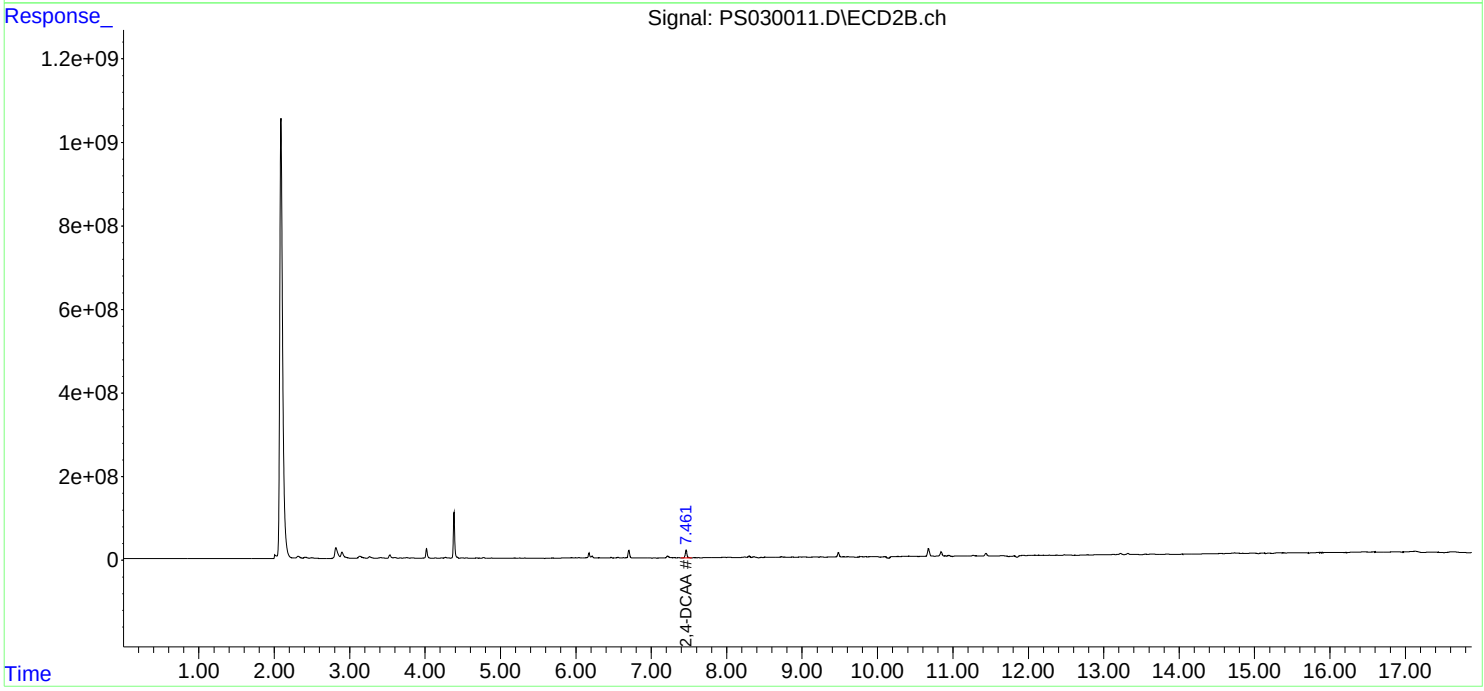
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 11:24
Operator : AR\AJ
Sample : PB167796BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

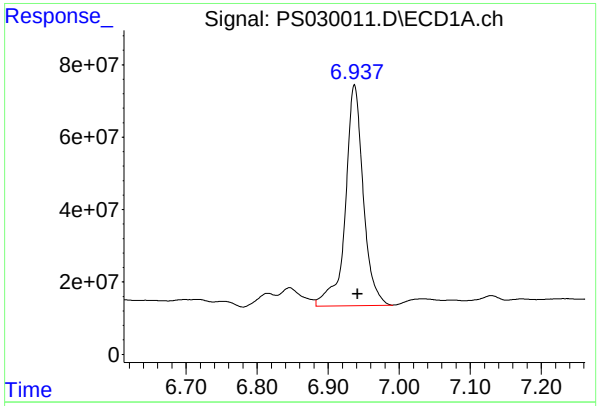
Instrument :
ECD_S
ClientSampleId :
PB167796BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 04:56:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



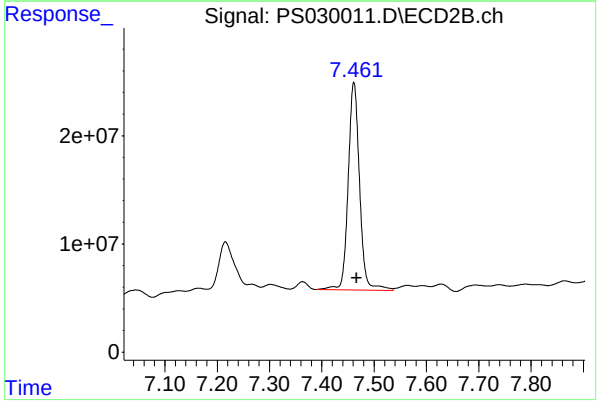




#4 2,4-DCAA

R.T.: 6.937 min
Delta R.T.: -0.004 min
Response: 1065684673
Conc: 433.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BL



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 291024810
Conc: 413.08 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/23/25
Client Sample ID:	PIBLK-PS029918.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PS029918.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
PS029918.D	1		04/23/25	PS042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	433		32 - 138		87%	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\PS042325\
Data File : PS029918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:58:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.942	7.467	1065.1E6	304.8E6	432.760	432.665
	Target Compounds						

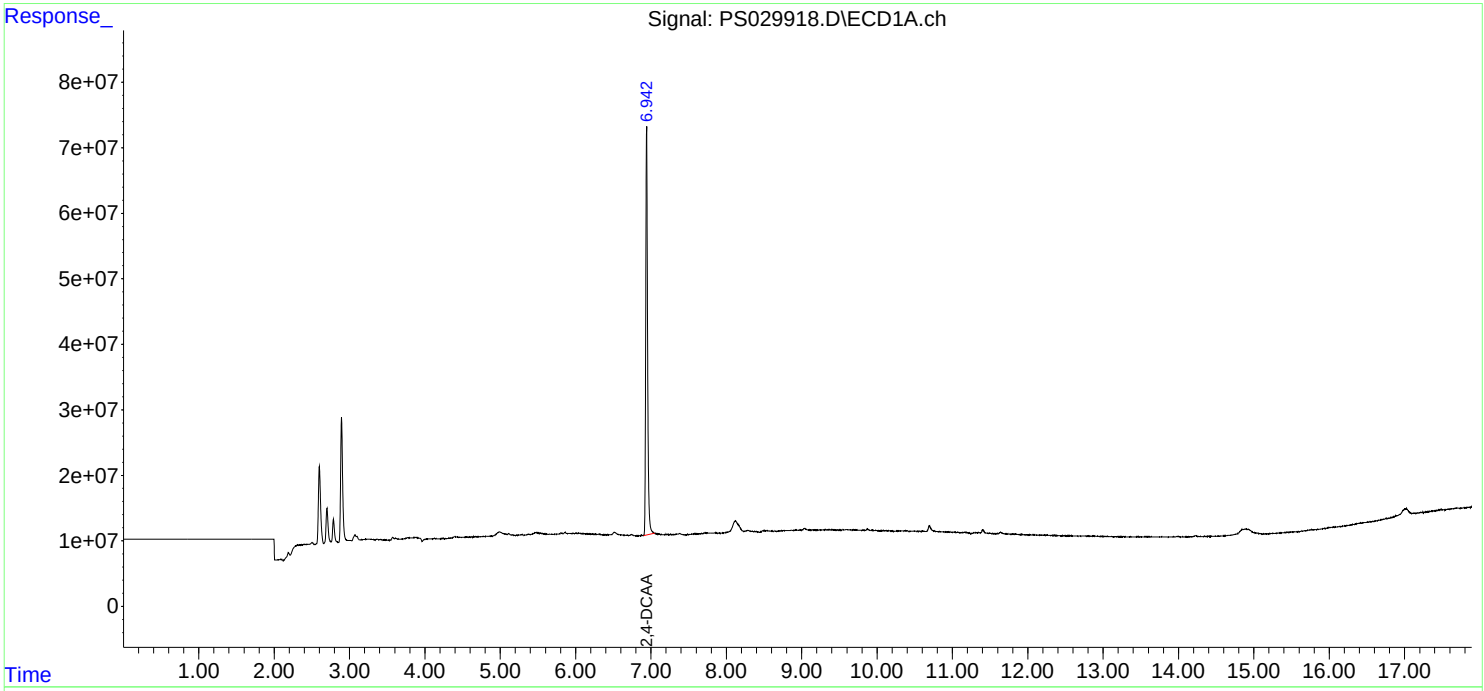
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

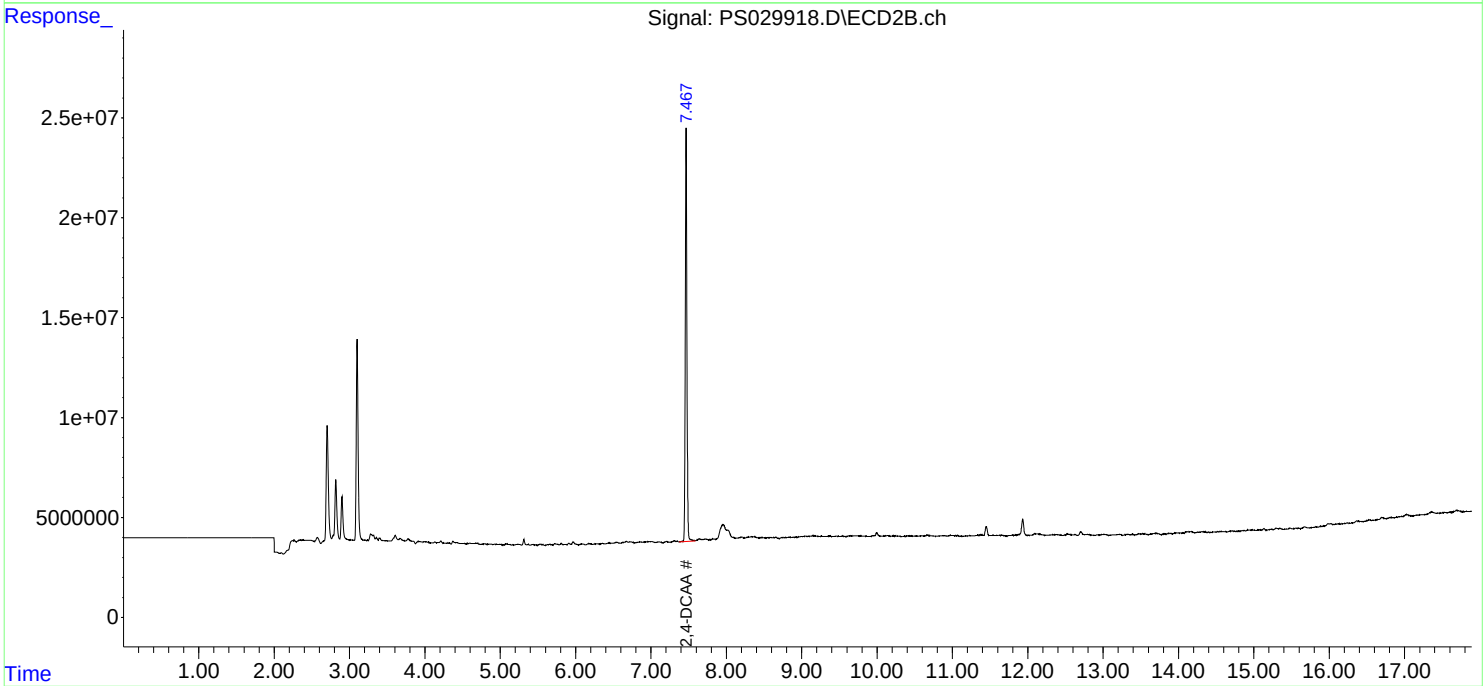
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

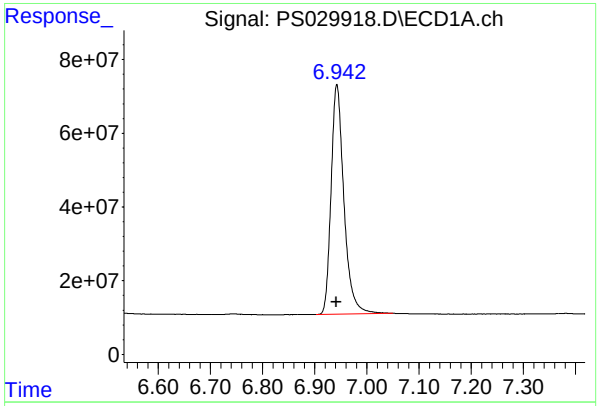
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:58:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



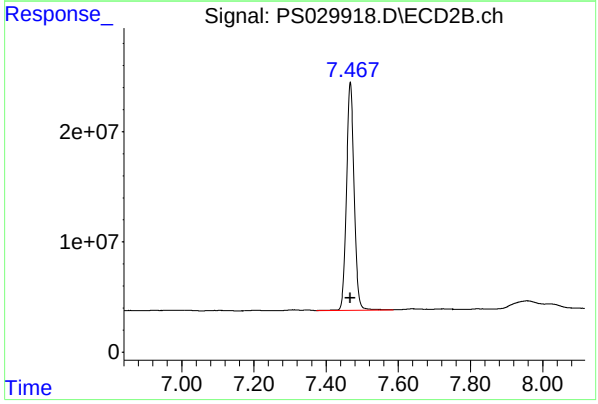




#4 2,4-DCAA

R.T.: 6.942 min
Delta R.T.: 0.001 min
Response: 1065056072
Conc: 432.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 304820126
Conc: 432.67 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	05/01/25
Project:	Raymark Superfund Site	Date Received:	05/01/25
Client Sample ID:	PIBLK-PS029990.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PS029990.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
PS029990.D	1		05/01/25	ps043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	558		32 - 138		112%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS029990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 00:58
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: May 01 01:46:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.939	7.463	1292.7E6	393.2E6	525.261	558.137
	Target Compounds						

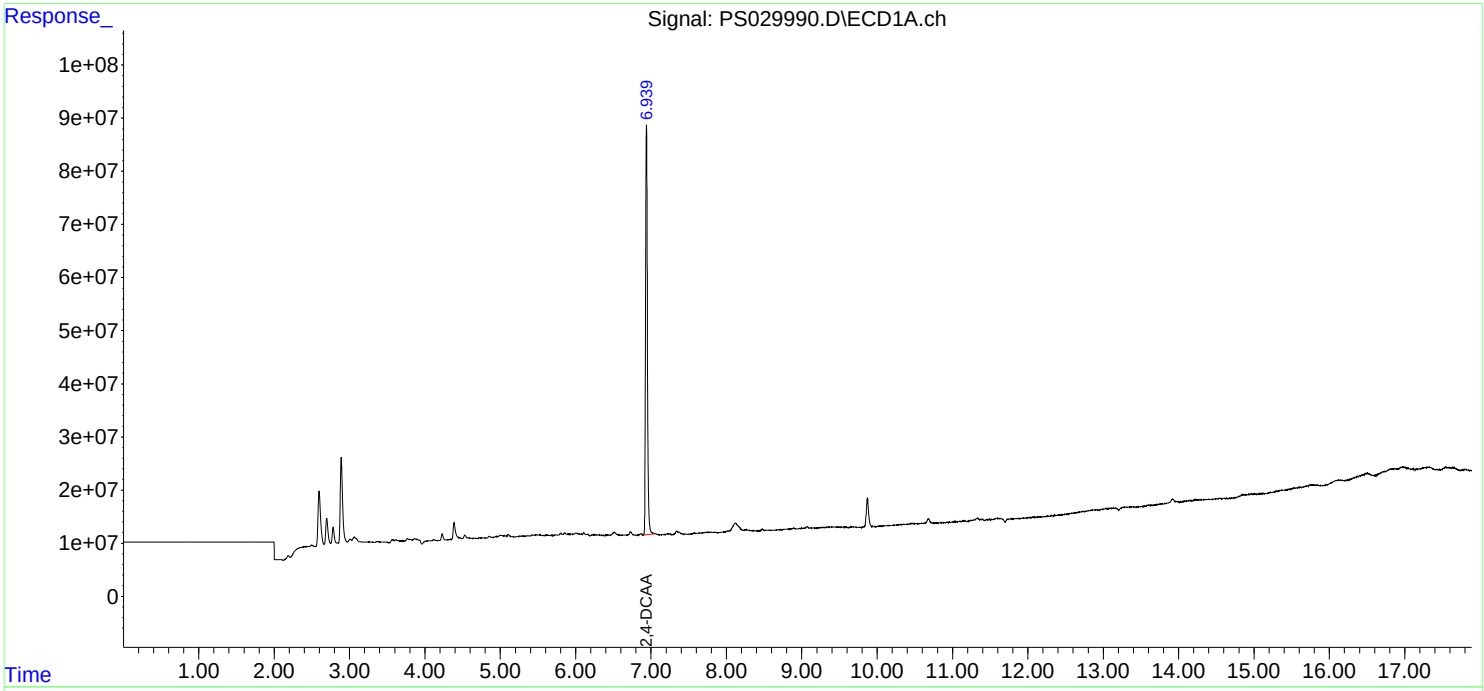
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

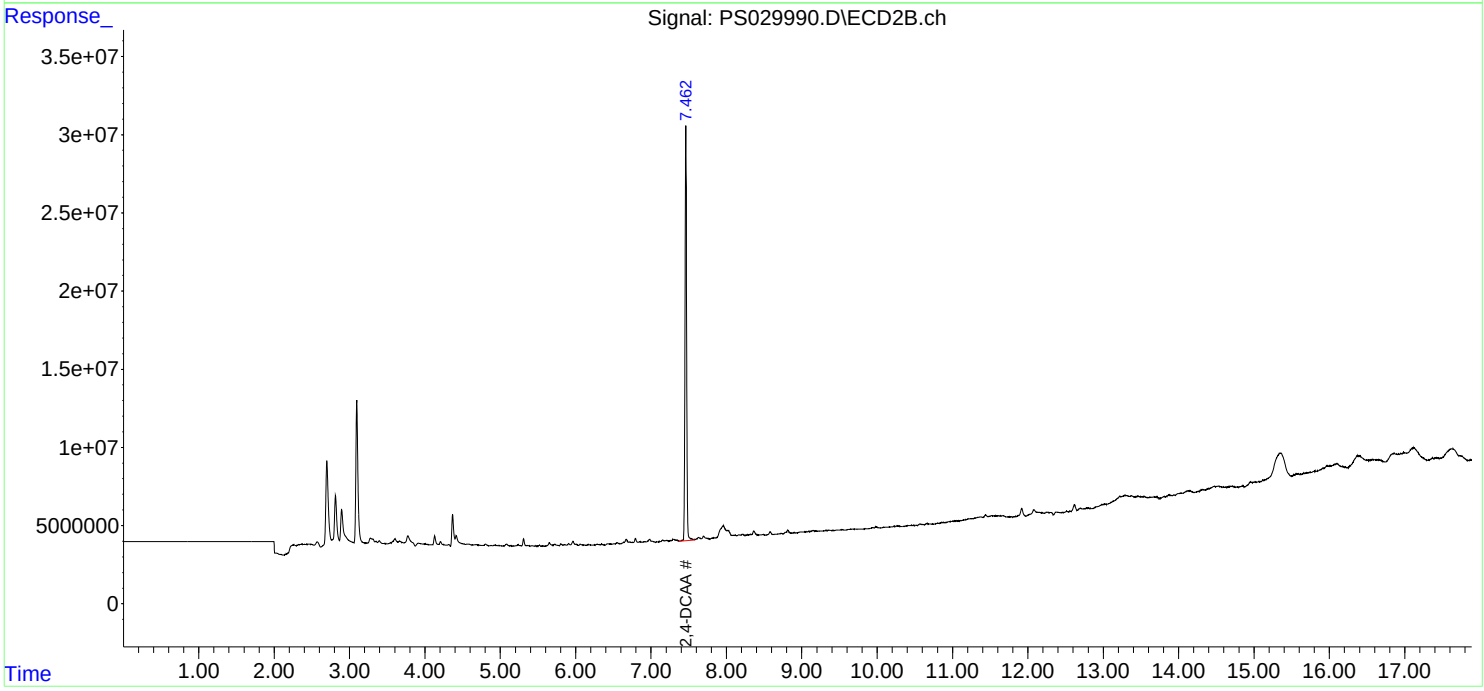
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS029990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 00:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

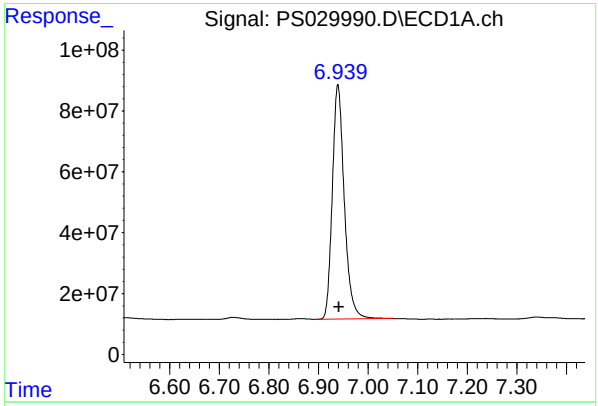
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 01:46:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



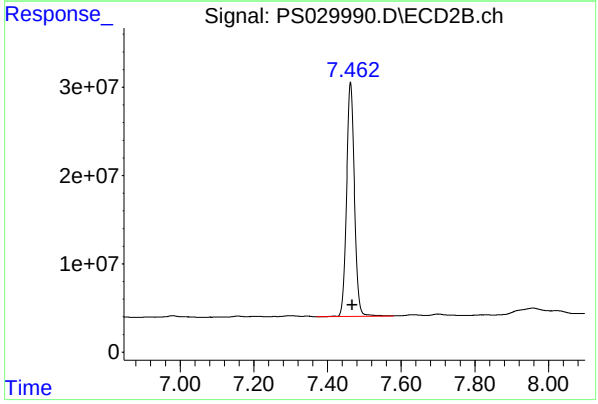




#4 2,4-DCAA

R.T.: 6.939 min
Delta R.T.: -0.002 min
Response: 1292708429
Conc: 525.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.463 min
Delta R.T.: -0.005 min
Response: 393217170
Conc: 558.14 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	05/01/25
Project:	Raymark Superfund Site	Date Received:	05/01/25
Client Sample ID:	PIBLK-PS030001.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PS030001.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
PS030001.D	1		05/01/25	ps043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	565		32 - 138		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\PS043025\
Data File : PS030001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 06:10
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: May 01 06:43:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.462	1273.6E6	398.3E6	517.514	565.310
	Target Compounds						

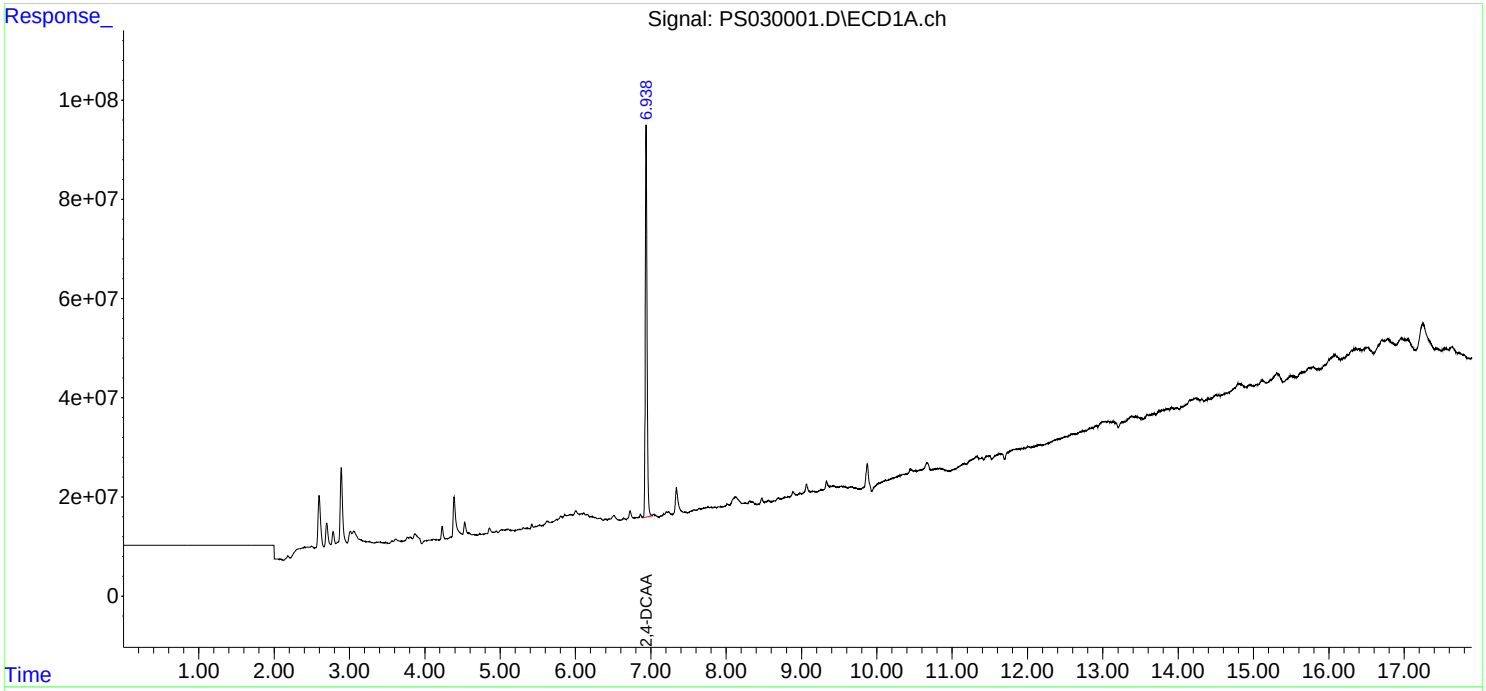
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

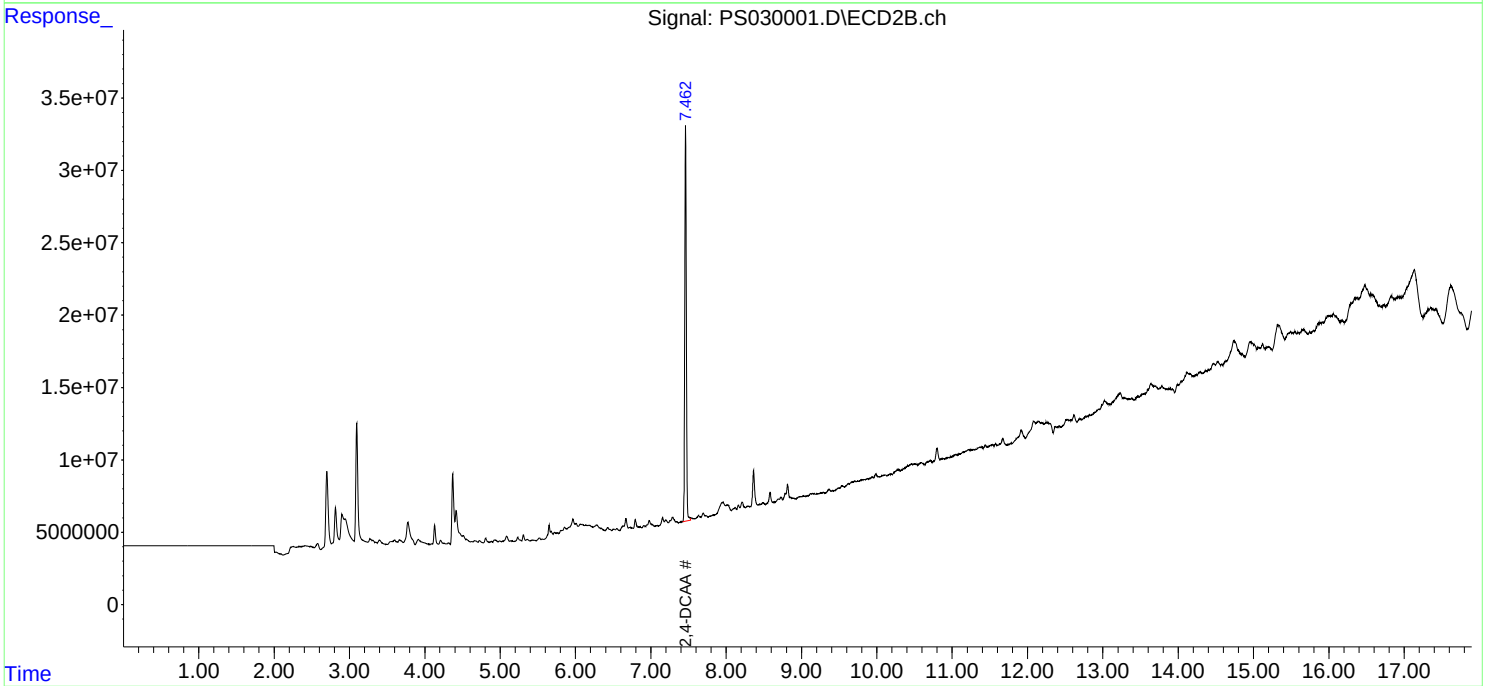
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 06:10
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

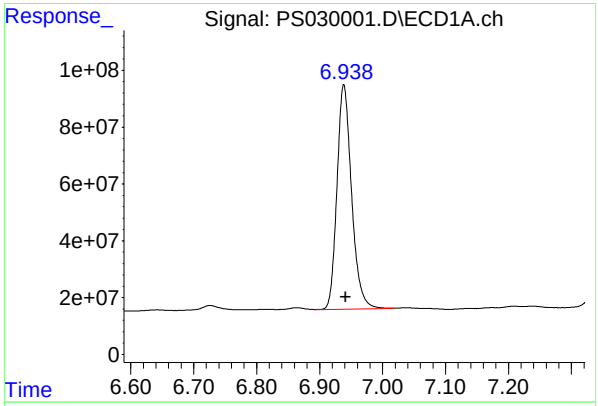
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 06:43:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



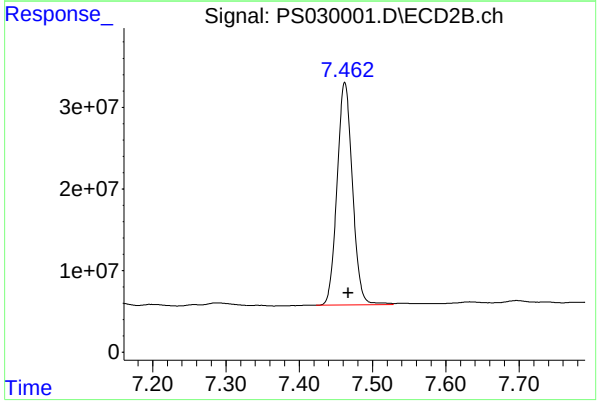




#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.003 min
Response: 1273643413
Conc: 517.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 398270175
Conc: 565.31 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:	05/01/25
Project:	Raymark Superfund Site	Date Received:	05/01/25
Client Sample ID:	PIBLK-PS030012.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PS030012.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
PS030012.D	1		05/01/25	ps043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	588		32 - 138		118%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 11:48
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: May 02 04:56:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.462	1355.2E6	414.2E6	550.671	587.866
	Target Compounds						

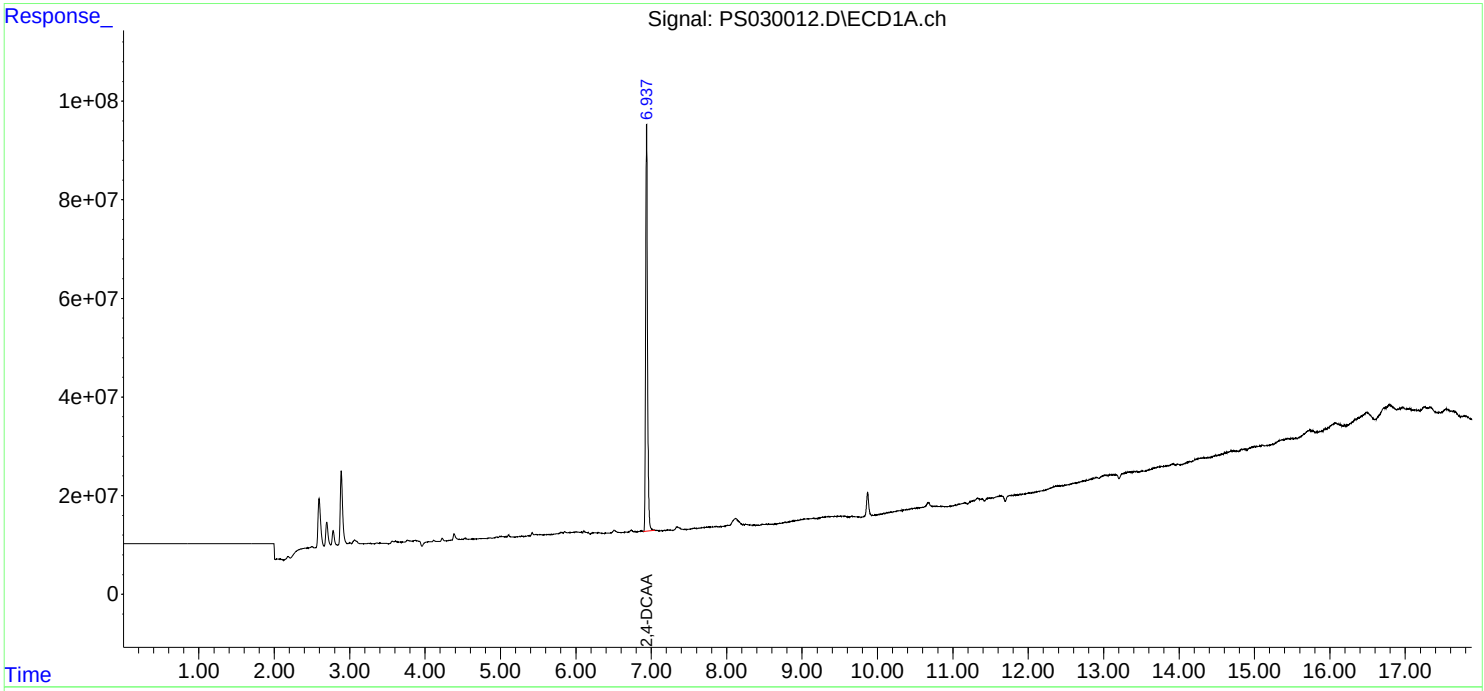
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

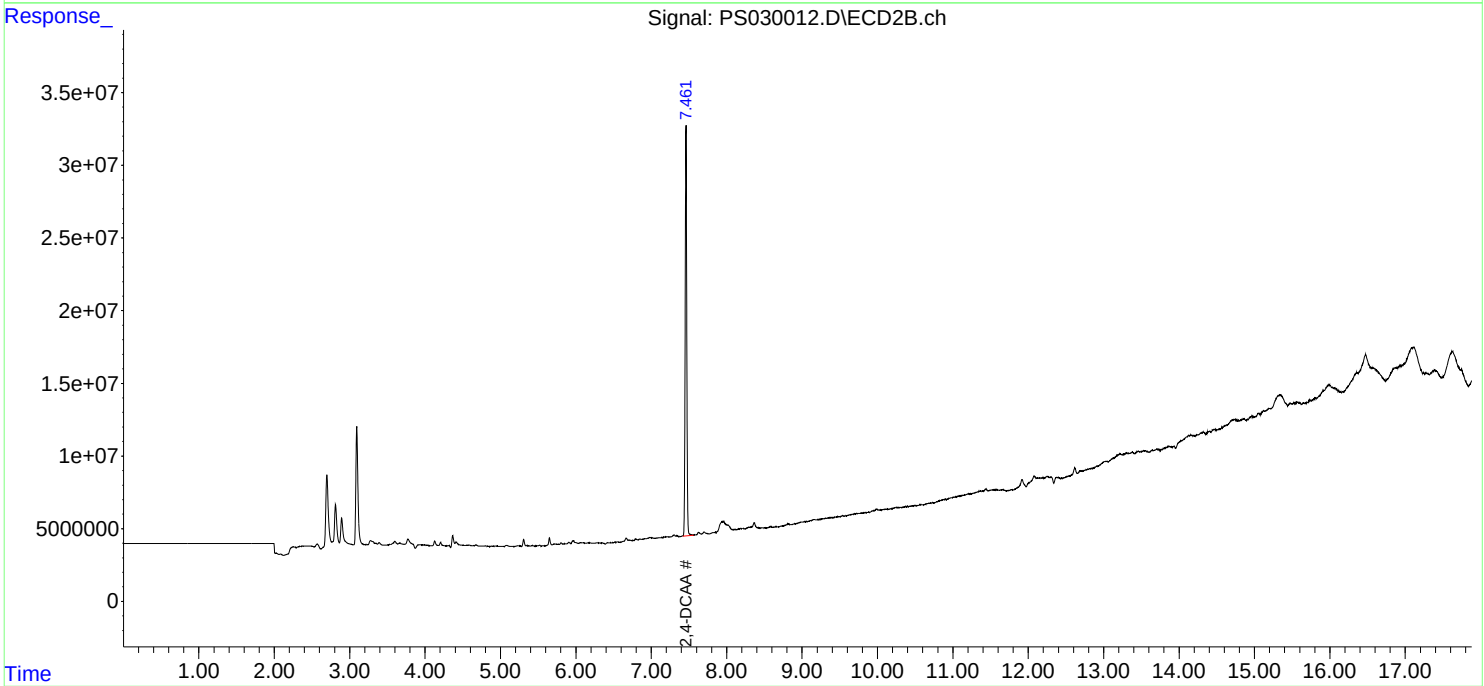
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 11:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

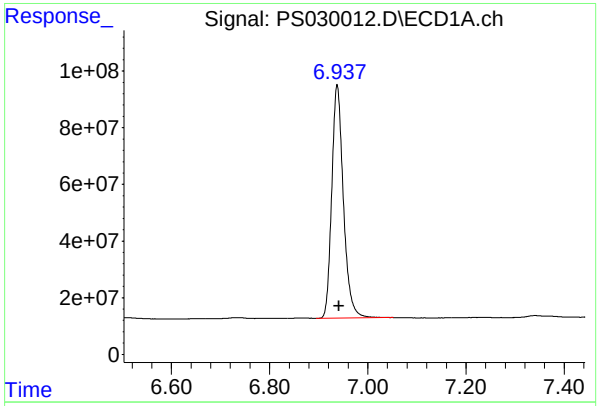
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 04:56:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



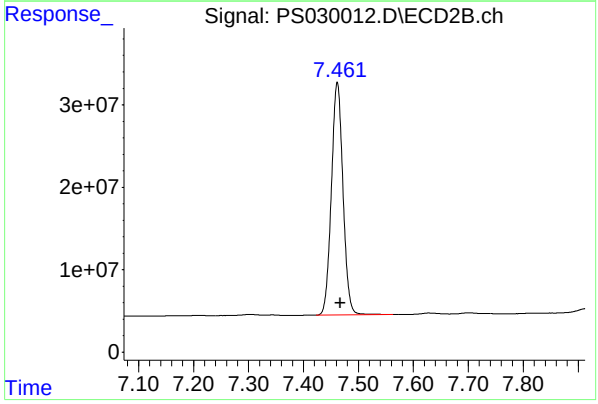




#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 1355245620
Conc: 550.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 414161543
Conc: 587.87 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:	05/01/25
Project:	Raymark Superfund Site	Date Received:	05/01/25
Client Sample ID:	PIBLK-PS030015.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PS030015.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
PS030015.D	1		05/01/25	PS050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	567		32 - 138		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\PS050125\
Data File : PS030015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:27:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.461	1314.8E6	399.5E6	534.222	567.062
	Target Compounds						

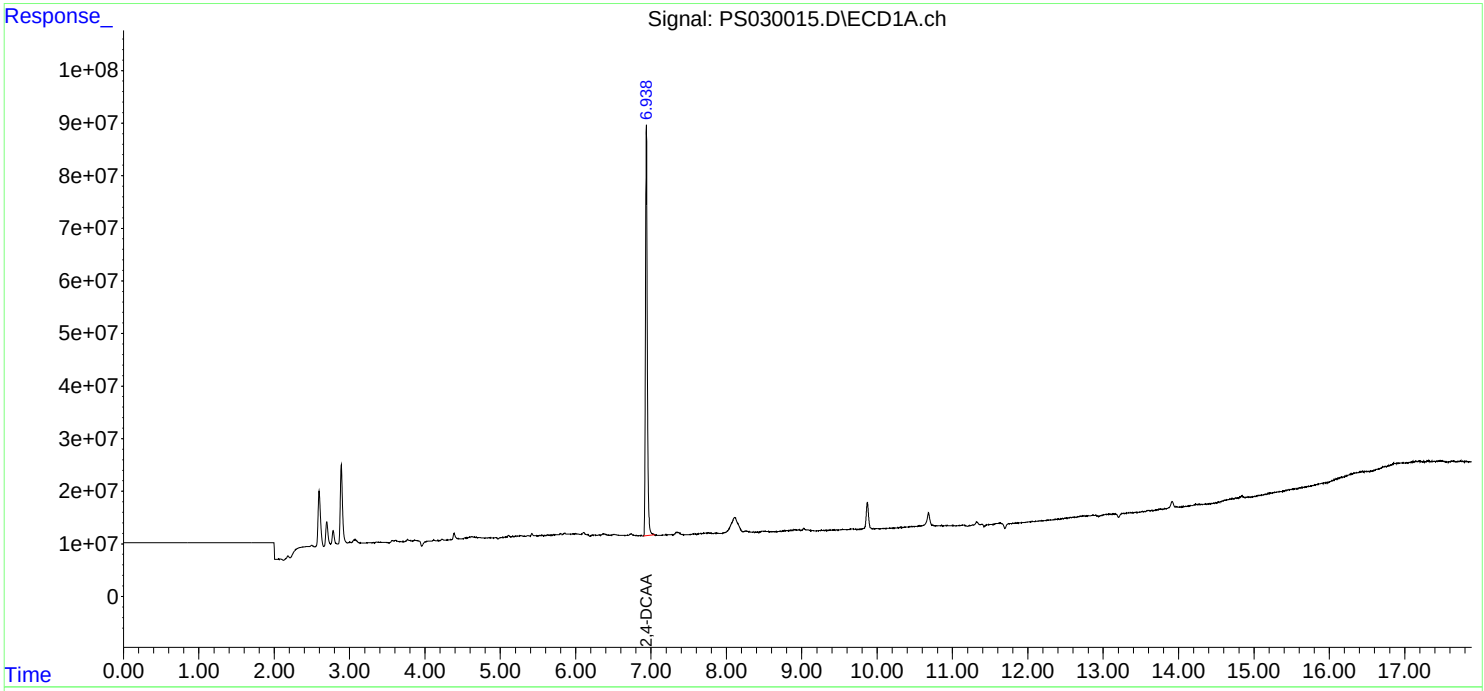
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

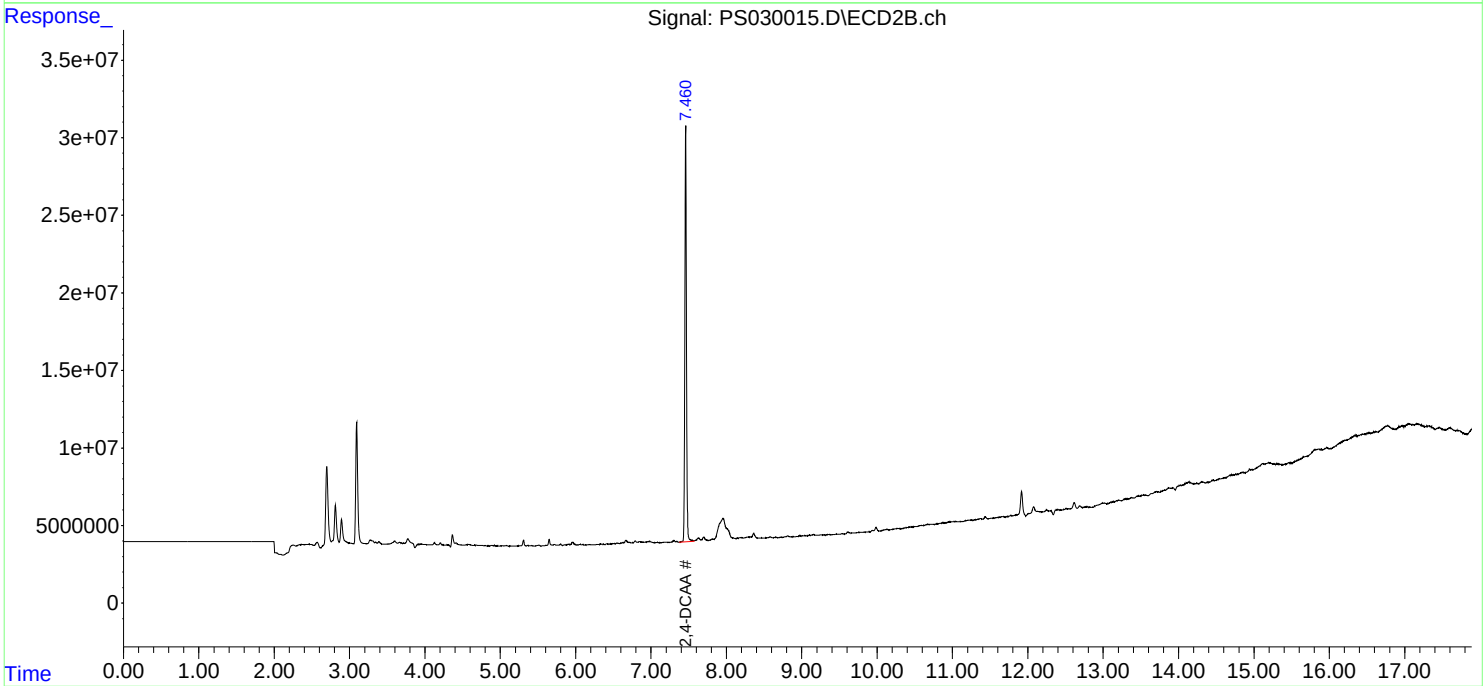
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

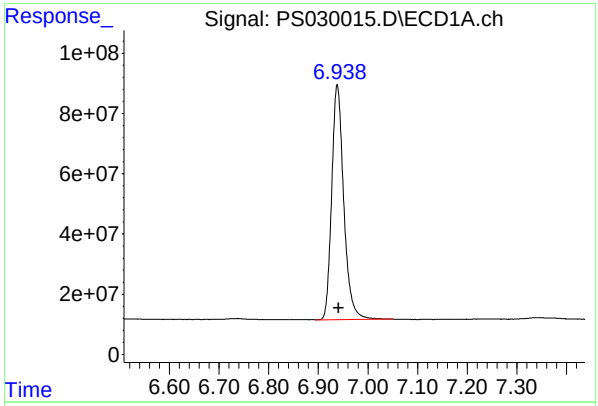
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:27:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



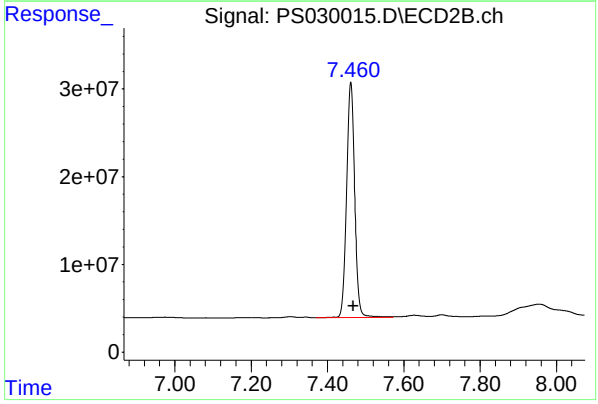




#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.003 min
Response: 1314762398
Conc: 534.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 399504566
Conc: 567.06 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:	05/01/25
Project:	Raymark Superfund Site	Date Received:	05/01/25
Client Sample ID:	PIBLK-PS030025.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PS030025.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
PS030025.D	1		05/01/25	PS050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	598		32 - 138		120%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 17:04
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: May 02 01:30:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.937	7.461	1382.9E6	421.1E6	561.916	597.779
	Target Compounds						

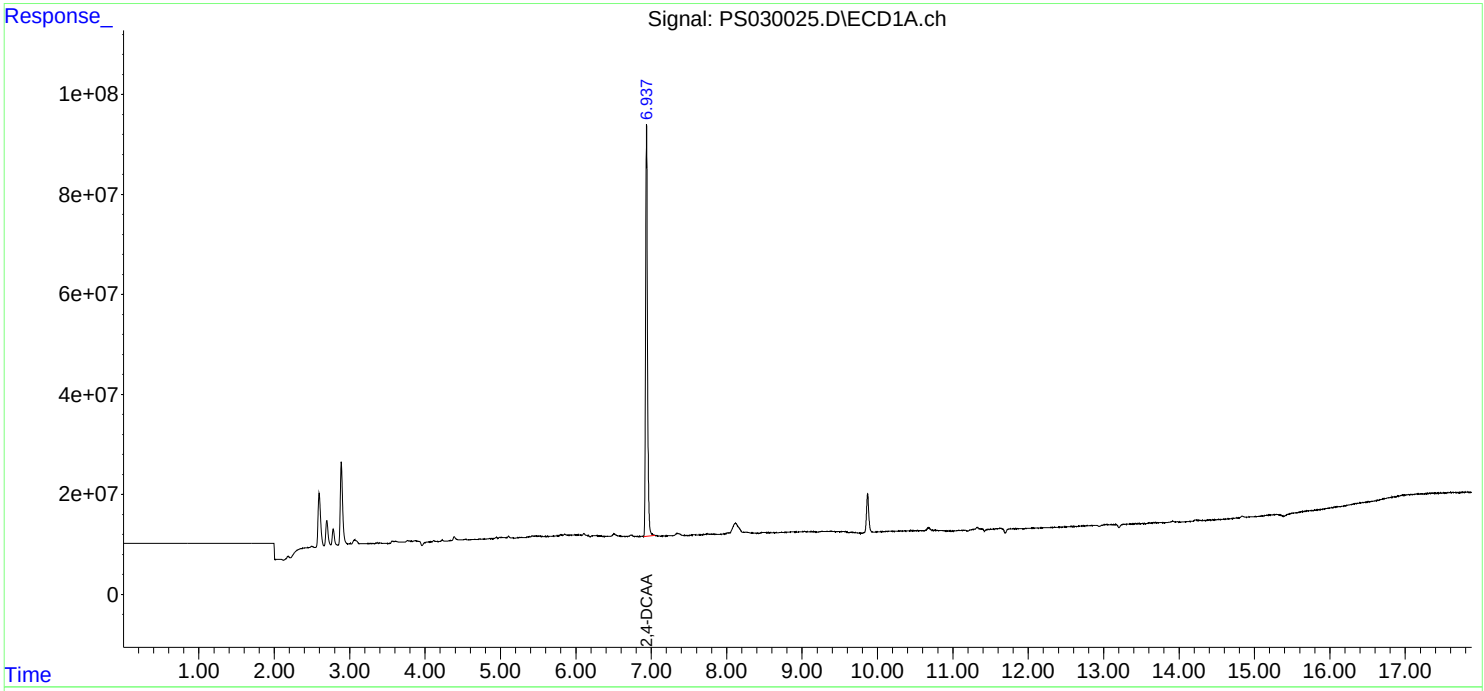
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

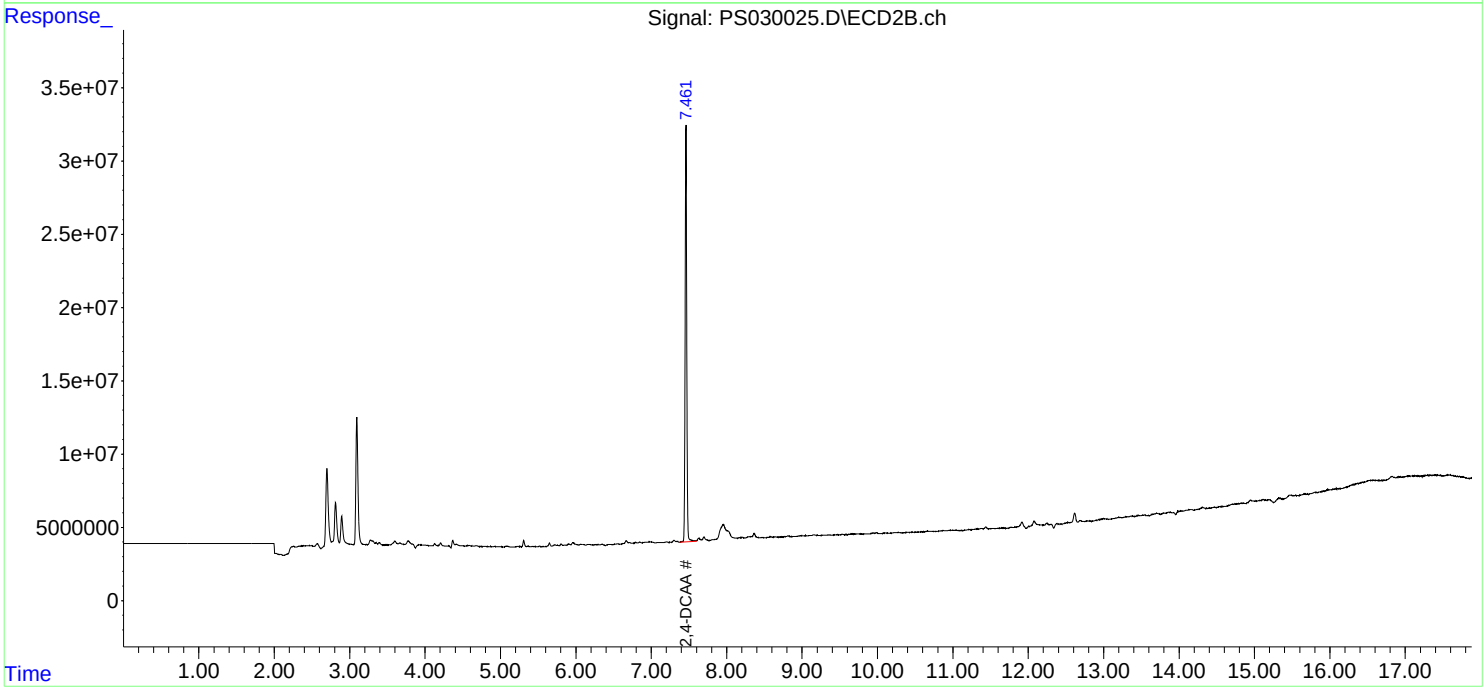
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 17:04
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

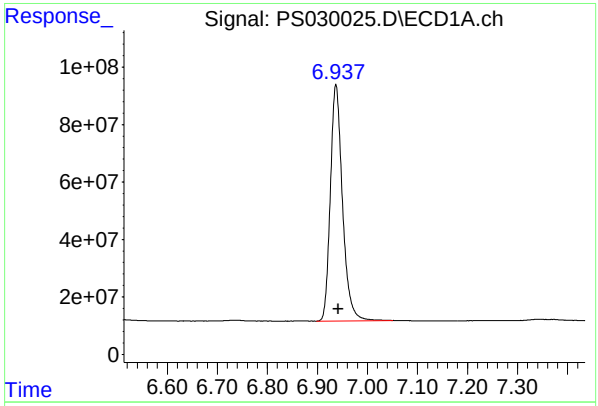
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:30:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



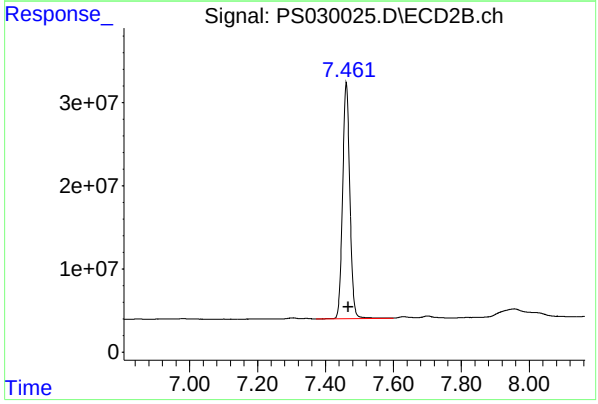




#4 2,4-DCAA

R.T.: 6.937 min
Delta R.T.: -0.004 min
Response: 1382919654
Conc: 561.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 421145565
Conc: 597.78 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:	05/05/25
Project:	Raymark Superfund Site	Date Received:	05/05/25
Client Sample ID:	PIBLK-PS030028.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PS030028.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
PS030028.D	1		05/05/25	ps050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	553		32 - 138		111%	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\PS050525\
Data File : PS030028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 08:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 12:28:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.461	1305.4E6	389.9E6	530.428	553.396
	Target Compounds						

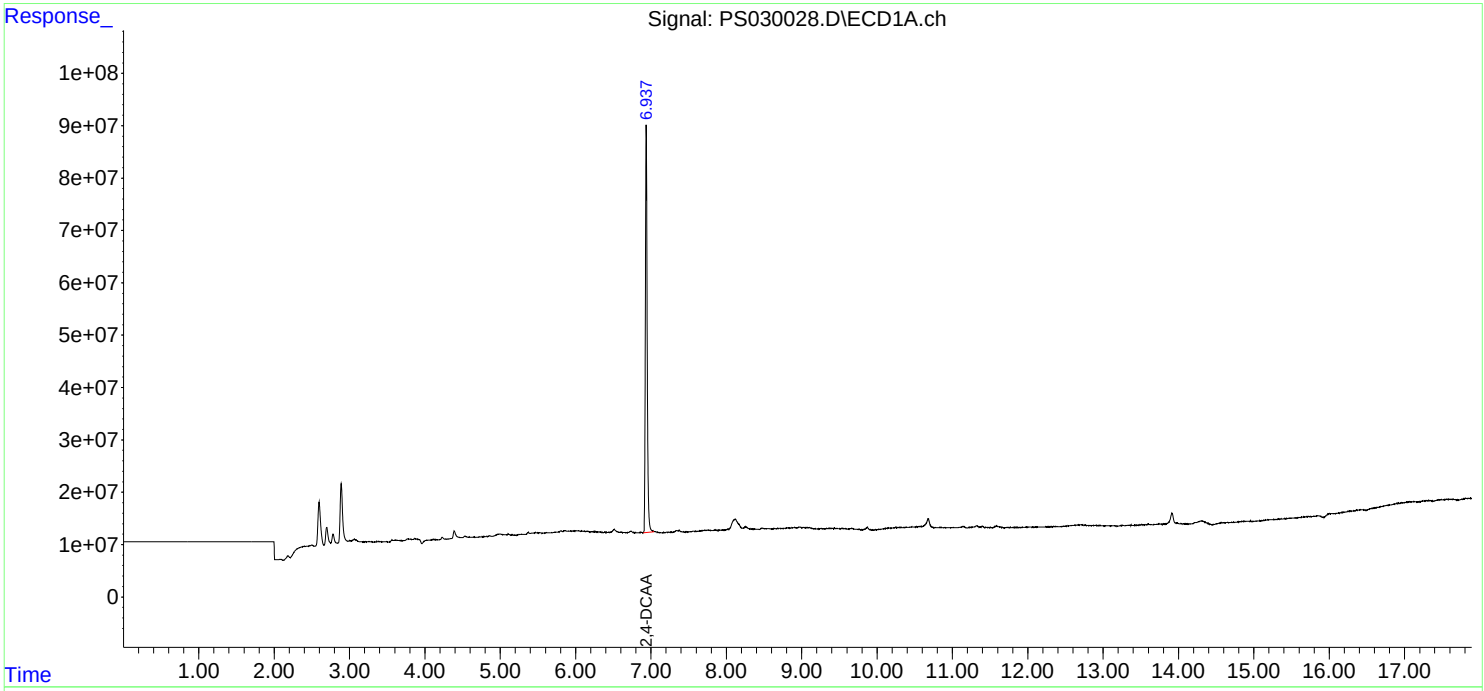
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

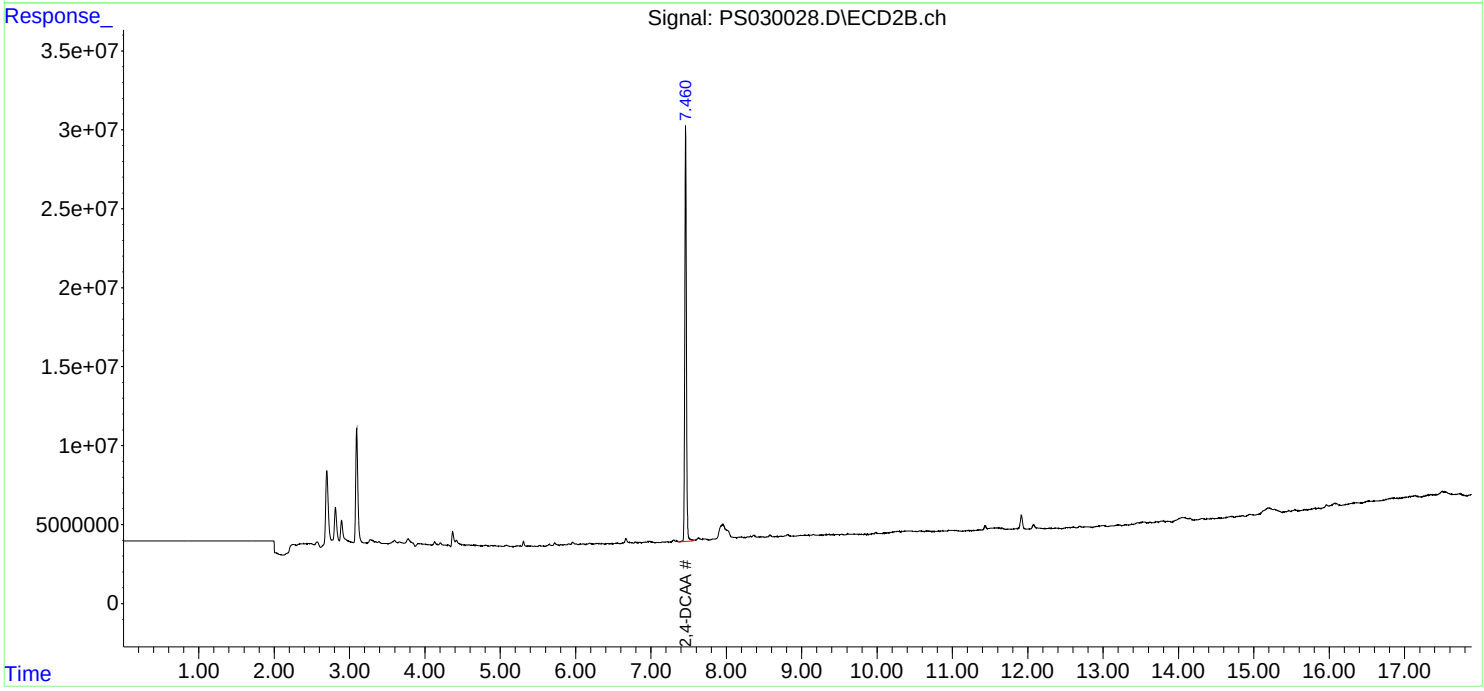
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 08:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

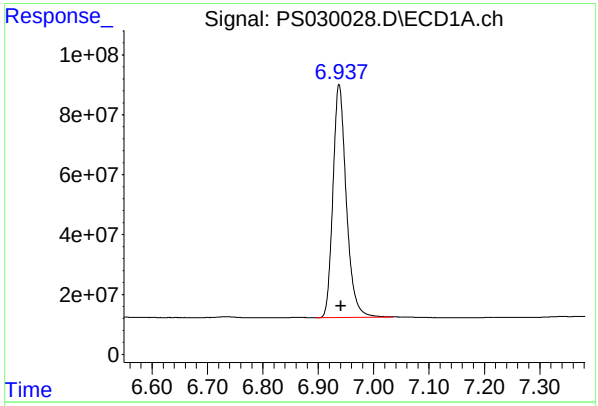
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 12:28:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



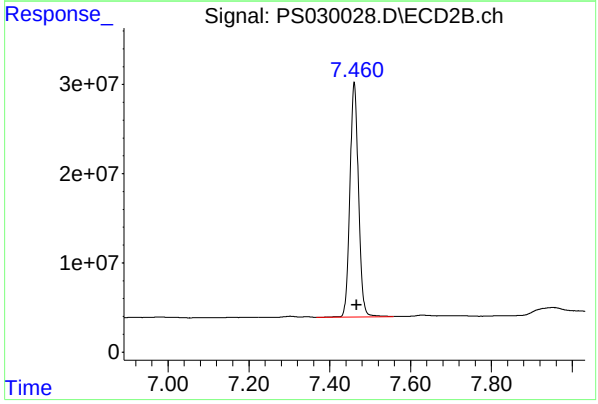




#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 1305426093
Conc: 530.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 389876808
Conc: 553.40 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:	05/05/25
Project:	Raymark Superfund Site	Date Received:	05/05/25
Client Sample ID:	PIBLK-PS030040.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PS030040.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
PS030040.D	1		05/05/25	ps050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	552		32 - 138		110%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 14:35
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: May 06 01:39:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.461	1302.1E6	389.2E6	529.085	552.472
	Target Compounds						

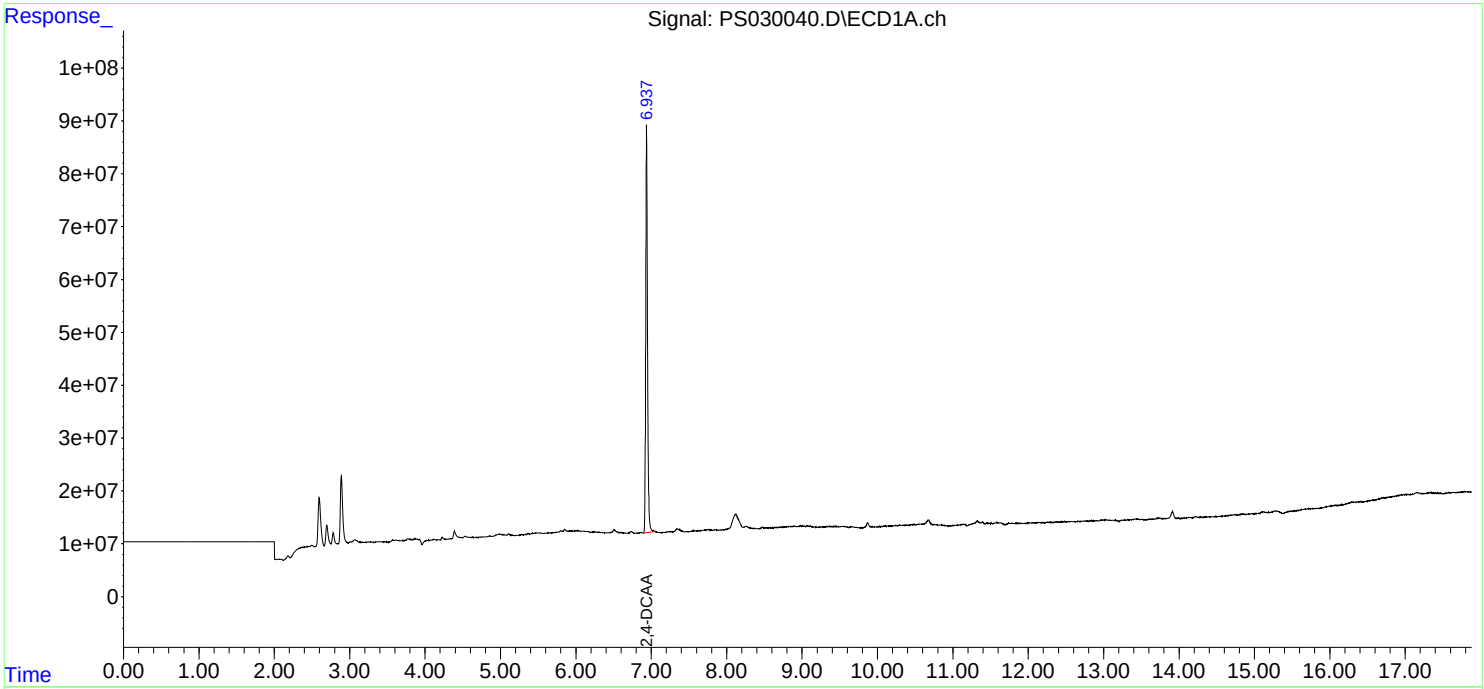
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

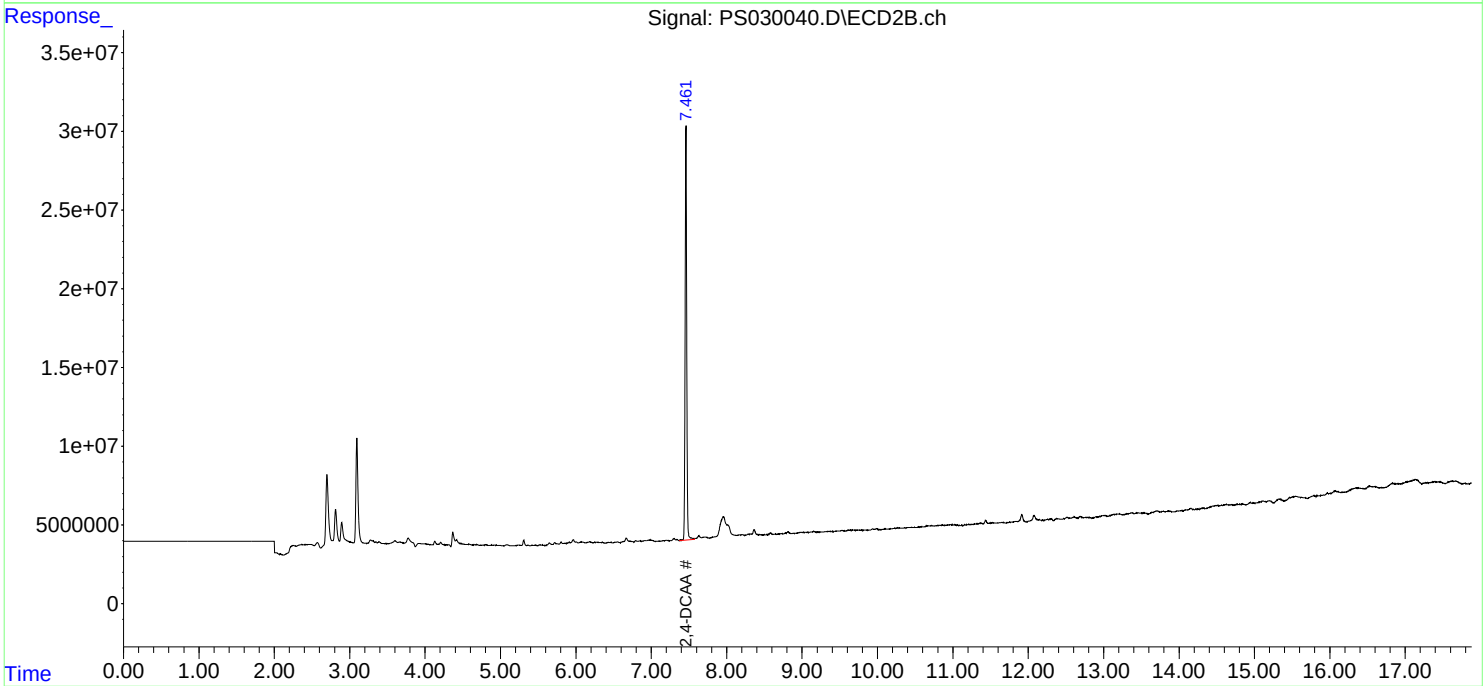
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 14:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

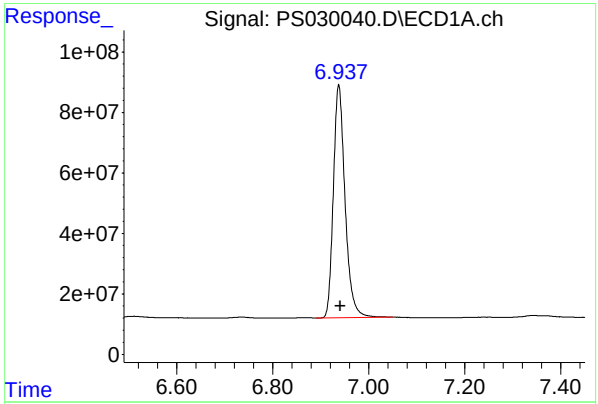
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:39:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



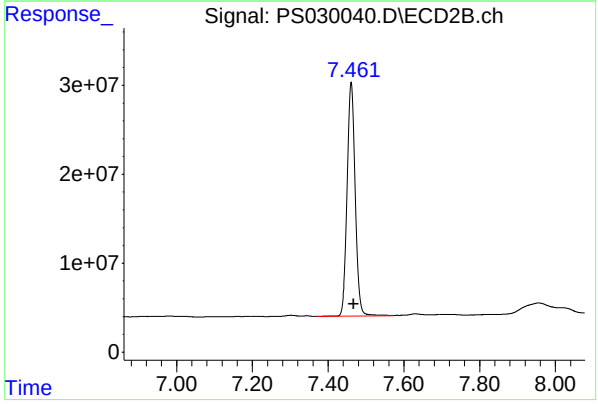




#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 1302120132
Conc: 529.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 389225615
Conc: 552.47 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:	PB167796BS	SDG No.:	Q1883
Lab Sample ID:	PB167796BS	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030038.D	1	04/30/25 08:50	05/05/25 13:47	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.17		0.0077	0.033	0.067	mg/Kg
75-99-0	DALAPON	0.17		0.018	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.17		0.013	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.17		0.0090	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.18		0.0091	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.17		0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.17		0.024	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.17		0.011	0.033	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	540		27 - 122		108%	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\PS050525\
Data File : PS030038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 13:47
Operator : AR\AJ
Sample : PB167796BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167796BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.937	7.461	1303.7E6	380.1E6	529.742	539.538
		Target Compounds						
1)	T	Dalapon	2.449	2.523	2026.9E6	836.0E6	494.933	481.542
2)	T	3,5-DICHL...	6.142	6.459	1748.8E6	487.0E6	489.353	498.167
3)	T	4-Nitroph...	6.728	6.996	852.1E6	376.7E6	477.797	491.891
5)	T	DICAMBA	7.114	7.647	4939.4E6	2039.7E6	498.784	516.364
6)	T	MCPP	7.292	7.753	295.3E6	80604259	45.824	46.087
7)	T	MCPA	7.434	7.983	412.6E6	112.5E6	46.719	47.564
8)	T	DICHLORPROP	7.794	8.340	1243.9E6	517.9E6	490.874	515.829
9)	T	2,4-D	8.014	8.653	1407.4E6	573.8E6	500.356	509.096
10)	T	Pentachlo...	8.292	9.154	18046.0E6	10930.7E6	517.300	537.274
11)	T	2,4,5-TP ...	8.856	9.532	7064.9E6	4305.5E6	509.626	526.230
12)	T	2,4,5-T	9.138	9.936	7219.0E6	4034.3E6	513.694	519.714
13)	T	2,4-DB	9.697	10.495	1180.4E6	404.5E6	516.485	502.607
14)	T	DINOSEB	10.859	10.868	5116.9E6	2968.0E6	502.969	509.004
15)	T	Picloram	10.678	11.903	9032.0E6	6199.1E6	492.728	504.661m
16)	T	DCPA	11.160	11.902	8804.0E6	5502.2E6	517.242	488.145m

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

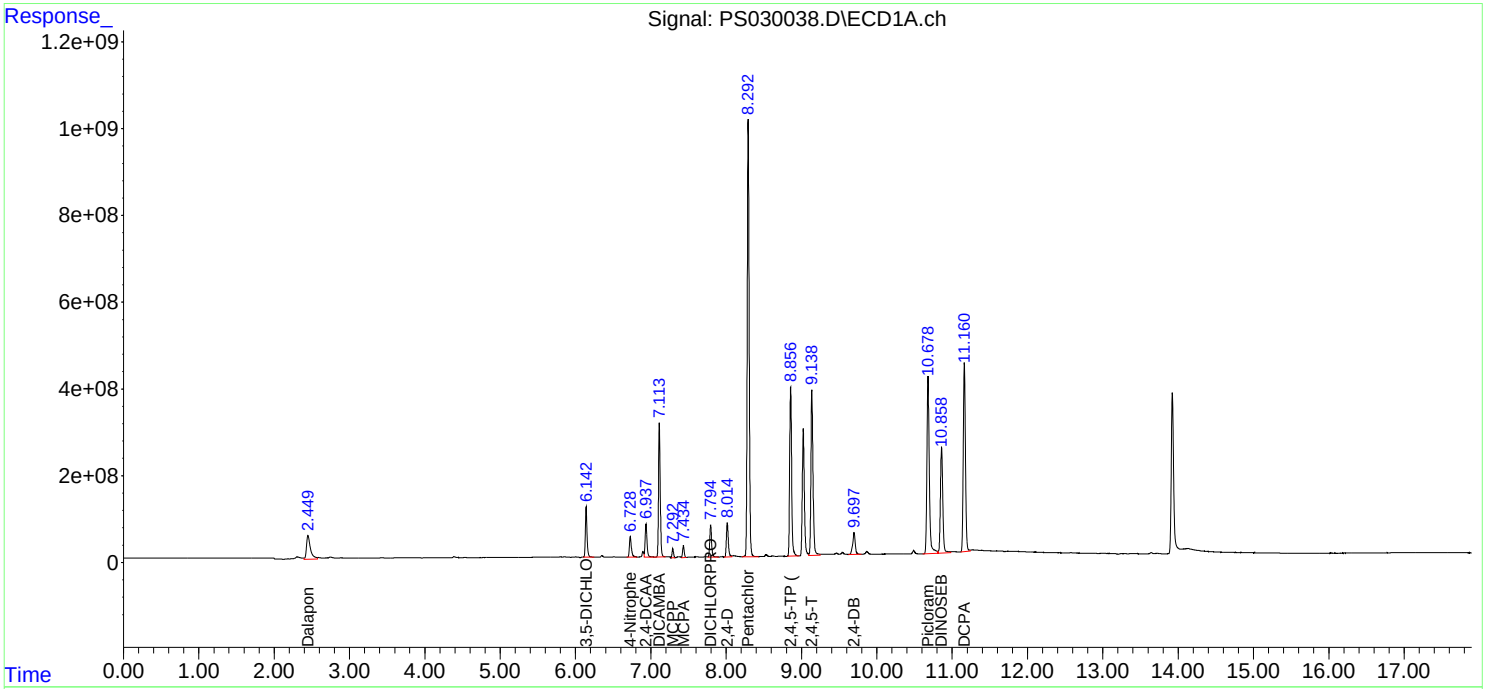
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 13:47
Operator : AR\AJ
Sample : PB167796BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

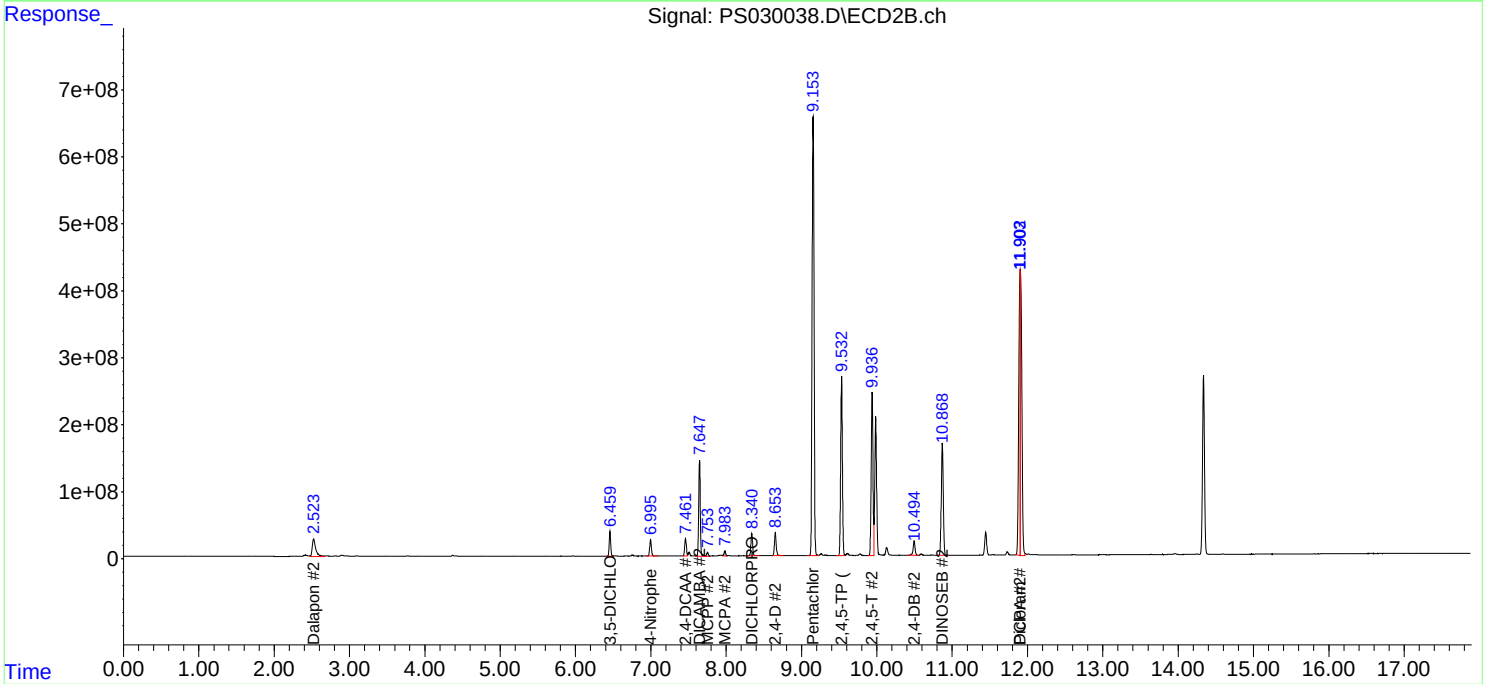
Instrument :
ECD_S
ClientSampleId :
PB167796BS

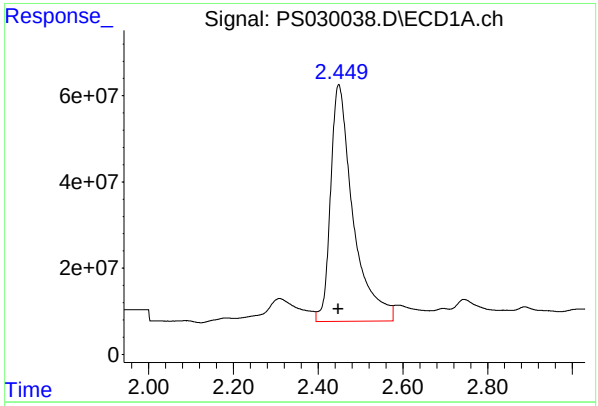
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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.: 2.449 min
Delta R.T.: 0.000 mi
Response: 2026876943
Conc: 494.93 ng/m

Instrument :
ECD_S
ClientSampleId :
PB167796BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
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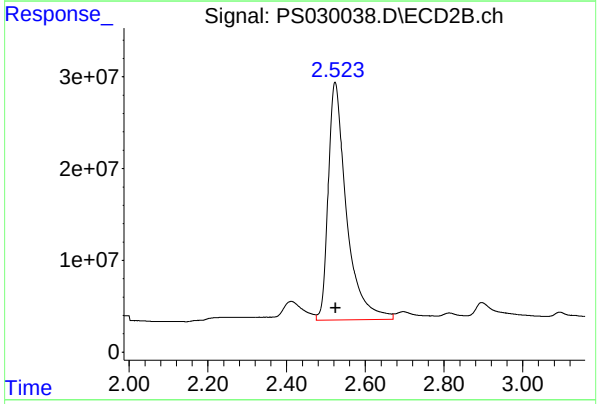
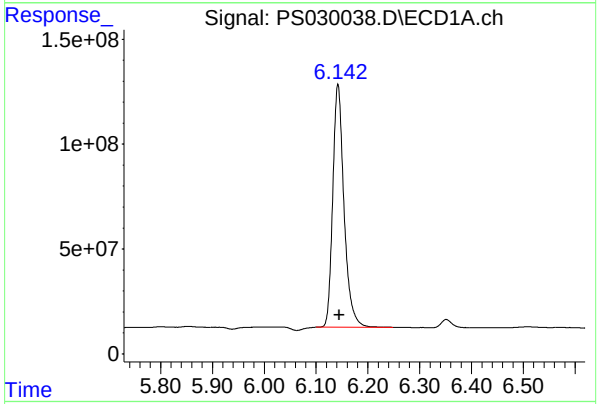


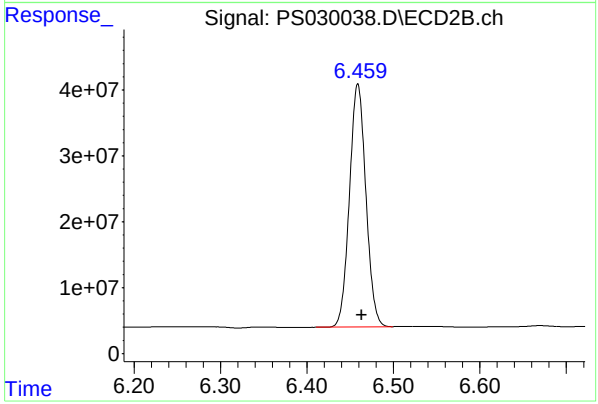
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: -0.001 min
Response: 836026719
Conc: 481.54 ng/ml



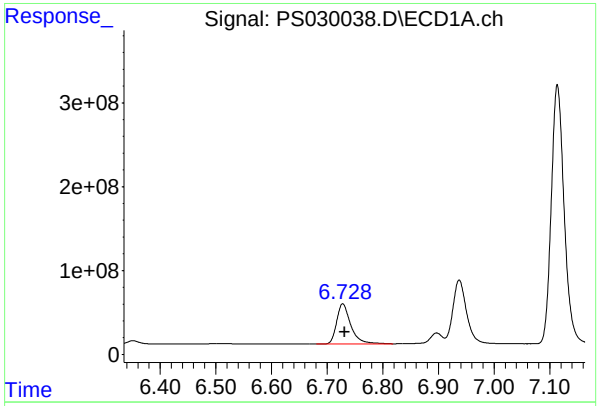
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.142 min
Delta R.T.: -0.003 min
Response: 1748841469
Conc: 489.35 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 486997904
Conc: 498.17 ng/ml



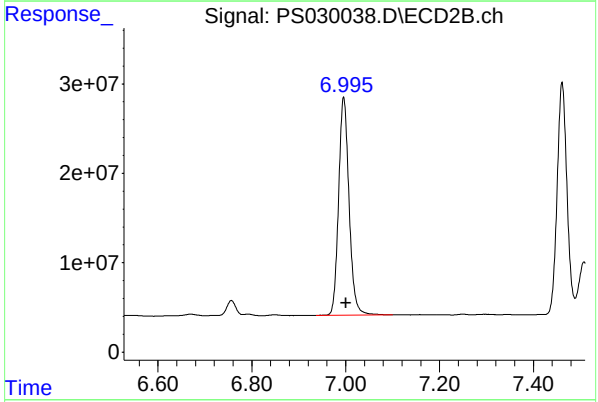
#3 4-Nitrophenol

R.T.: 6.728 min
Delta R.T.: -0.003 min
Response: 852065133
Conc: 477.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS

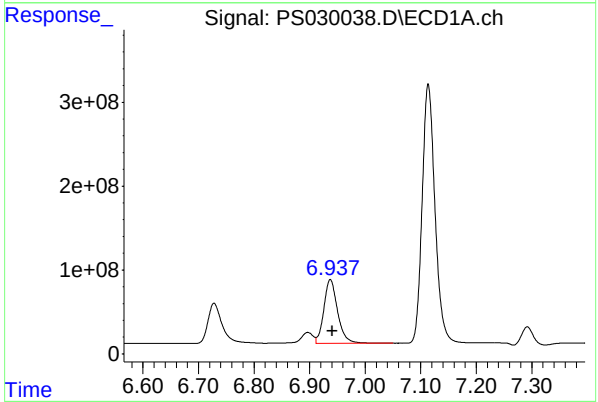
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



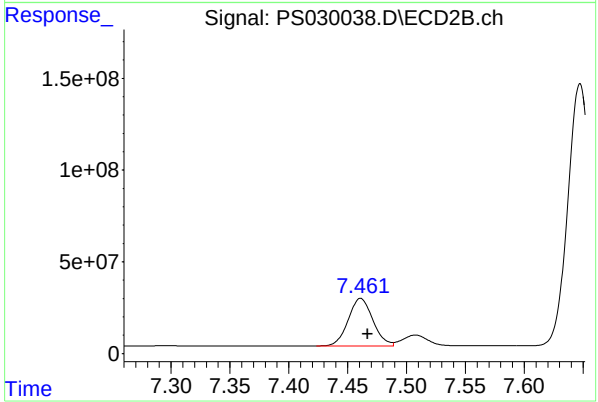
#3 4-Nitrophenol

R.T.: 6.996 min
Delta R.T.: -0.005 min
Response: 376749767
Conc: 491.89 ng/ml



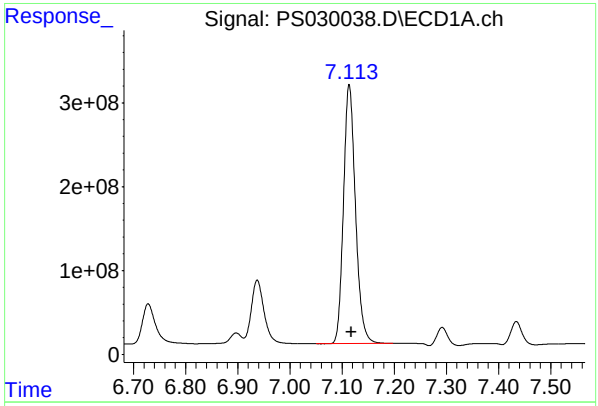
#4 2,4-DCAA

R.T.: 6.937 min
Delta R.T.: -0.004 min
Response: 1303737946
Conc: 529.74 ng/ml



#4 2,4-DCAA

R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 380113891
Conc: 539.54 ng/ml



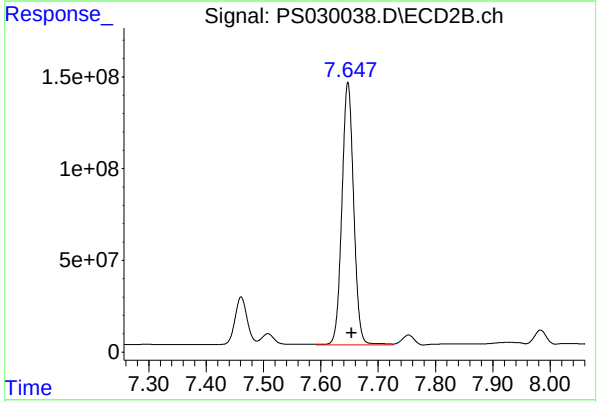
#5 DICAMBA

R.T.: 7.114 min
Delta R.T.: -0.004 min
Response: 4939392609
Conc: 498.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS

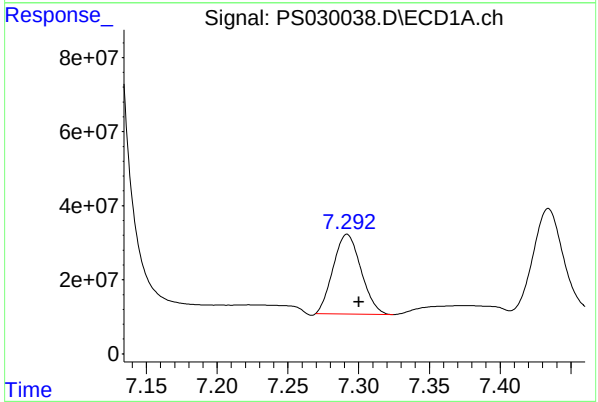
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



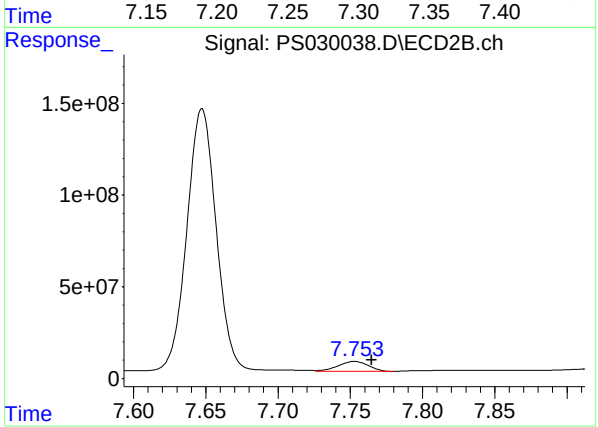
#5 DICAMBA

R.T.: 7.647 min
Delta R.T.: -0.006 min
Response: 2039671767
Conc: 516.36 ng/ml



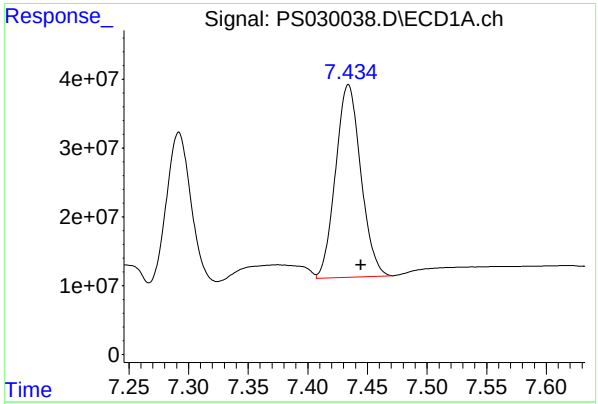
#6 MCPP

R.T.: 7.292 min
Delta R.T.: -0.008 min
Response: 295272711
Conc: 45.82 ug/ml



#6 MCPP

R.T.: 7.753 min
Delta R.T.: -0.012 min
Response: 80604259
Conc: 46.09 ug/ml



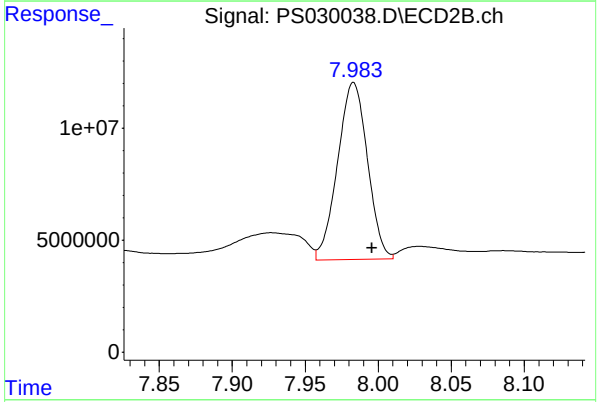
#7 MCPA

R.T.: 7.434 min
Delta R.T.: -0.010 min
Response: 412595382
Conc: 46.72 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS

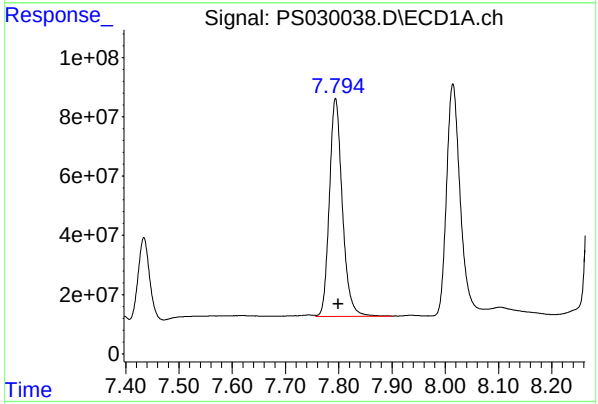
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



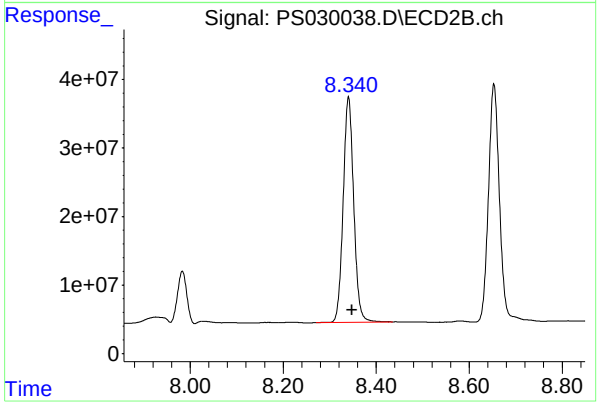
#7 MCPA

R.T.: 7.983 min
Delta R.T.: -0.013 min
Response: 112526574
Conc: 47.56 ug/ml



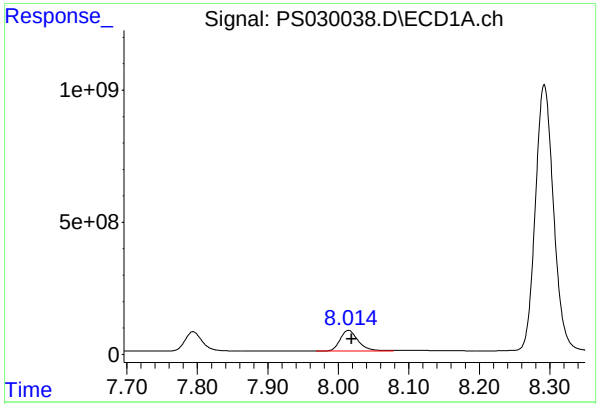
#8 DICHLORPROP

R.T.: 7.794 min
Delta R.T.: -0.005 min
Response: 1243928182
Conc: 490.87 ng/ml



#8 DICHLORPROP

R.T.: 8.340 min
Delta R.T.: -0.007 min
Response: 517874081
Conc: 515.83 ng/ml



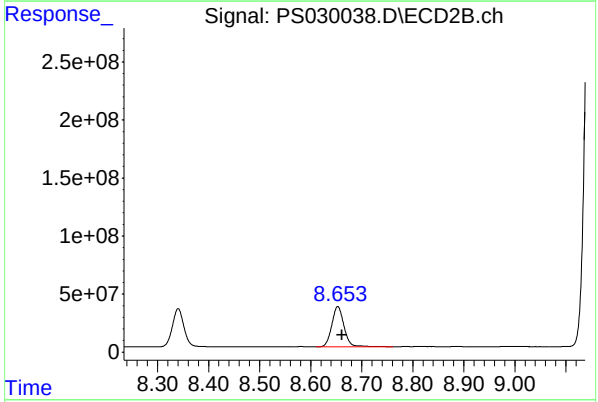
#9 2,4-D

R.T.: 8.014 min
Delta R.T.: -0.004 min
Response: 1407438073
Conc: 500.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS

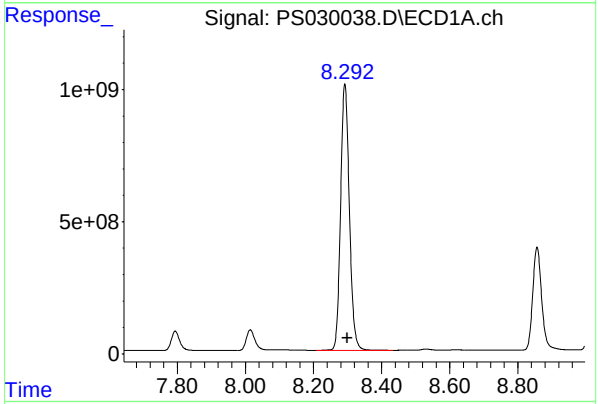
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



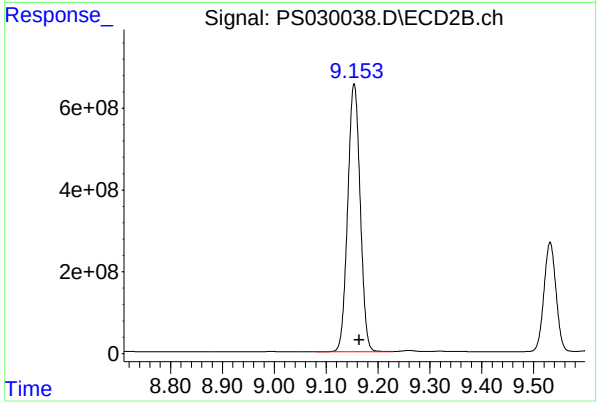
#9 2,4-D

R.T.: 8.653 min
Delta R.T.: -0.008 min
Response: 573806176
Conc: 509.10 ng/ml



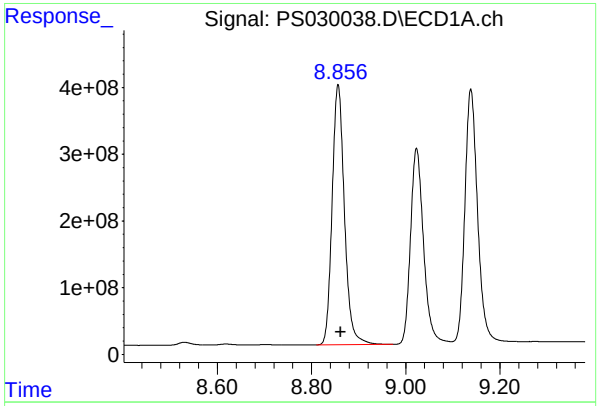
#10 Pentachlorophenol

R.T.: 8.292 min
Delta R.T.: -0.008 min
Response: 18046010957
Conc: 517.30 ng/ml



#10 Pentachlorophenol

R.T.: 9.154 min
Delta R.T.: -0.010 min
Response: 10930731101
Conc: 537.27 ng/ml



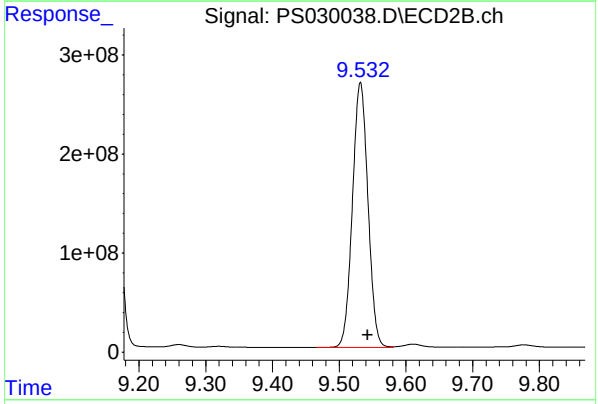
#11 2,4,5-TP (SILVEX)

R.T.: 8.856 min
Delta R.T.: -0.006 min
Response: 7064866109
Conc: 509.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS

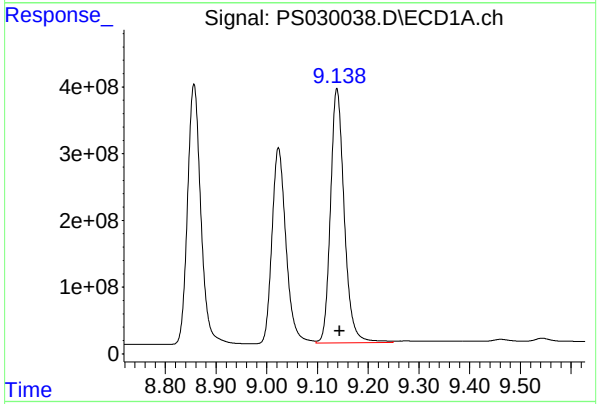
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



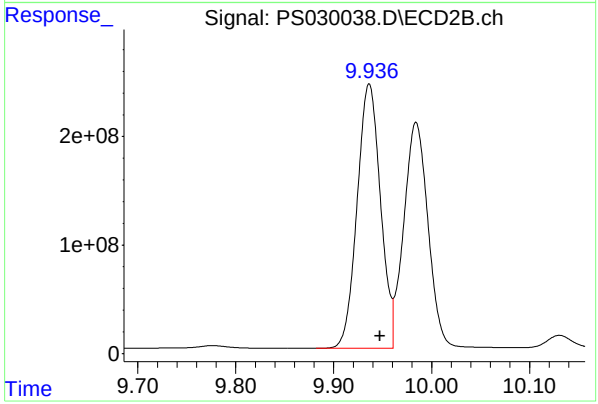
#11 2,4,5-TP (SILVEX)

R.T.: 9.532 min
Delta R.T.: -0.011 min
Response: 4305484681
Conc: 526.23 ng/ml



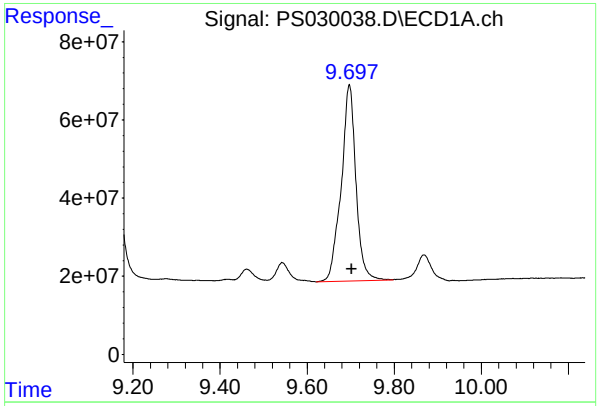
#12 2,4,5-T

R.T.: 9.138 min
Delta R.T.: -0.006 min
Response: 7218996712
Conc: 513.69 ng/ml



#12 2,4,5-T

R.T.: 9.936 min
Delta R.T.: -0.011 min
Response: 4034329145
Conc: 519.71 ng/ml



#13 2,4-DB

R.T.: 9.697 min
Delta R.T.: -0.005 min
Response: 1180351095
Conc: 516.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
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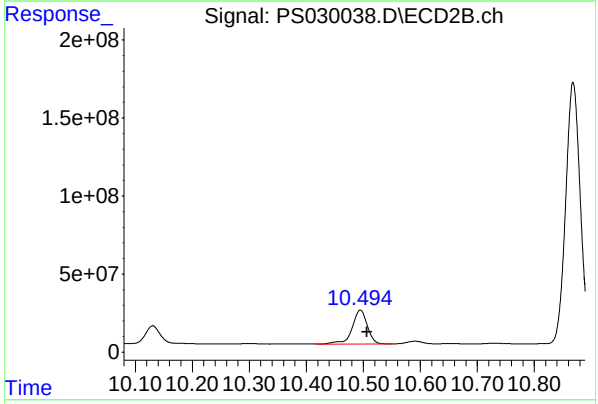
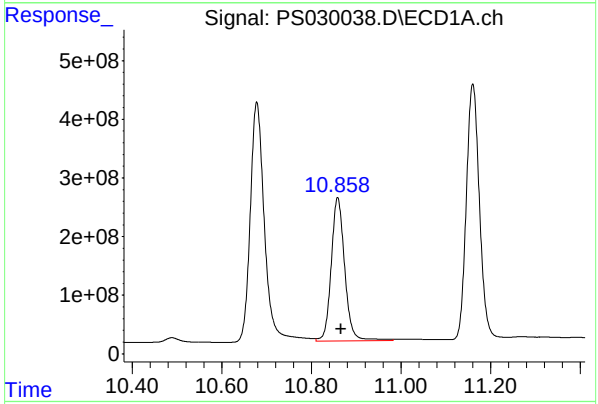


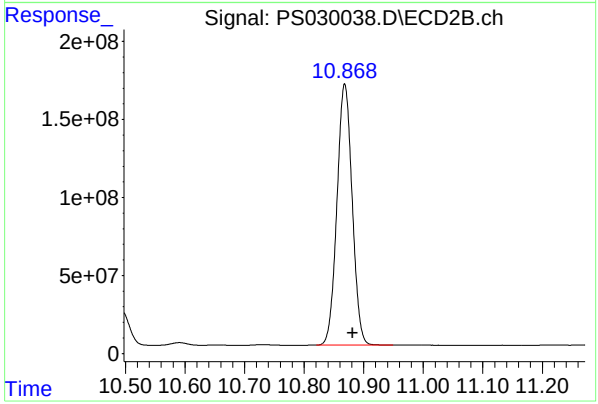
#13 2,4-DB

R.T.: 10.495 min
Delta R.T.: -0.012 min
Response: 404519772
Conc: 502.61 ng/ml



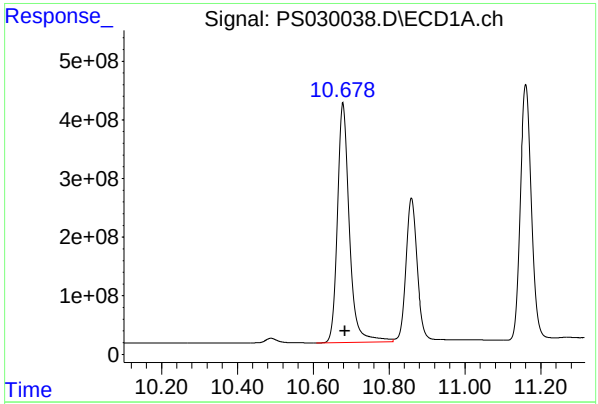
#14 DINOSEB

R.T.: 10.859 min
Delta R.T.: -0.007 min
Response: 5116917707
Conc: 502.97 ng/ml



#14 DINOSEB

R.T.: 10.868 min
Delta R.T.: -0.013 min
Response: 2967993353
Conc: 509.00 ng/ml



#15 Picloram

R.T.: 10.678 min
Delta R.T.: -0.005 mi
Response: 9032014243
Conc: 492.73 ng/m

Instrument :
ECD_S
ClientSampleId :
PB167796BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/06/2025
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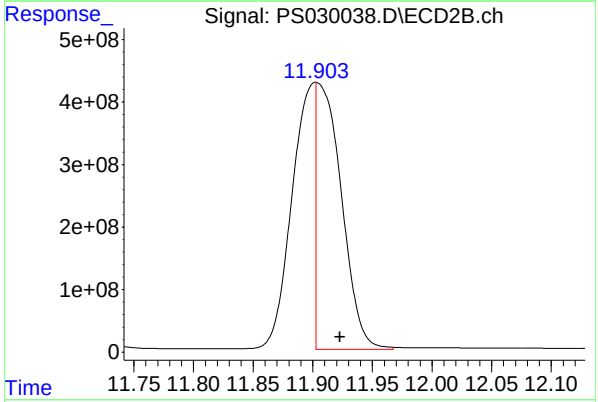
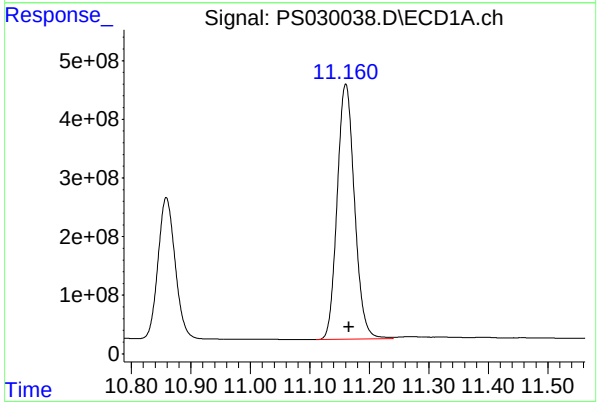


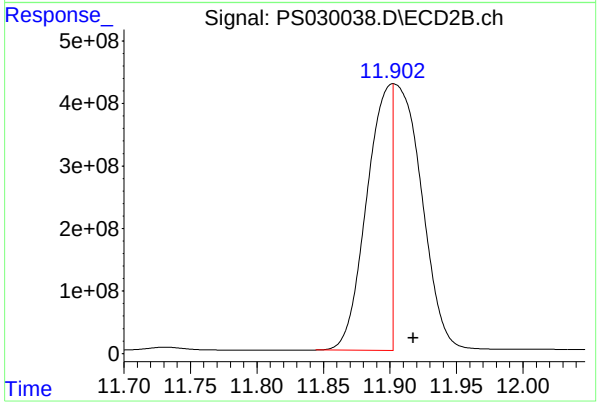
#15 Picloram

R.T.: 11.903 min
Delta R.T.: -0.020 min
Response: 6199068847
Conc: 504.66 ng/ml m



#16 DCPA

R.T.: 11.160 min
Delta R.T.: -0.006 min
Response: 8803982200
Conc: 517.24 ng/ml



#16 DCPA

R.T.: 11.902 min
Delta R.T.: -0.016 min
Response: 5502196952
Conc: 488.14 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:	04/28/25
Project:	Raymark Superfund Site	Date Received:	04/28/25
Client Sample ID:	WC-5MS	SDG No.:	Q1883
Lab Sample ID:	Q1906-05MS	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	83.5 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
PS029999.D	1	04/30/25 08:50	05/01/25 04:34	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.13		0.0093	0.039	0.080	mg/Kg
75-99-0	DALAPON	0.39	P	0.021	0.060	0.080	mg/Kg
120-36-5	DICHLORPROP	0.14	P	0.015	0.039	0.080	mg/Kg
94-75-7	2,4-D	0.17		0.011	0.039	0.080	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.097		0.011	0.039	0.080	mg/Kg
93-76-5	2,4,5-T	0.11		0.010	0.039	0.080	mg/Kg
94-82-6	2,4-DB	0.082		0.029	0.039	0.080	mg/Kg
88-85-7	DINOSEB	0.039	U	0.013	0.039	0.080	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	1520	*	27 - 122		303%	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\PS043025\
Data File : PS029999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 04:34
Operator : AR\AJ
Sample : Q1906-05MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
WC-5MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 04:56:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.919	7.462	2352.7E6	1067.4E6	955.960	1515.125 #
		Target Compounds						
1)	T	Dalapon	2.442	2.515	2778.7E6	1703.5E6	678.528	981.208 #
2)	T	3,5-DICHL...	6.142	6.459	1089.2E6	276.7E6	304.768m	283.063
3)	T	4-Nitroph...	6.705	6.964	108.8E6	80838331	60.990	105.544m#
5)	T	DICAMBA	7.115	7.647	3104.5E6	1301.2E6	313.498m	329.411
6)	T	MCPP	7.292	7.739	169.1E6	167.6E6	26.245	95.838 #
7)	T	MCPA	7.434	7.981	275.9E6	85484678	31.237	36.133
8)	T	DICHLORPROP	7.796	8.341	648.1E6	340.2E6	255.749m	338.858 #
9)	T	2,4-D	8.015	8.654	1168.3E6	453.2E6	415.356	402.054
10)	T	Pentachlo...	8.293	9.155	5741.5E6	3568.2E6	164.582m	175.388
11)	T	2,4,5-TP ...	8.857	9.533	2807.2E6	1987.5E6	202.496m	242.916m
12)	T	2,4,5-T	9.140	9.938	3632.2E6	2158.8E6	258.462	278.109
13)	T	2,4-DB	9.700	10.494	469.1E6	163.6E6	205.243m	203.327m
15)	T	Picloram	10.680	11.903	5787.6E6	4817.9E6	315.734	392.218m
16)	T	DCPA	11.162	11.901	6627.9E6	4674.0E6	389.398m	414.671m

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

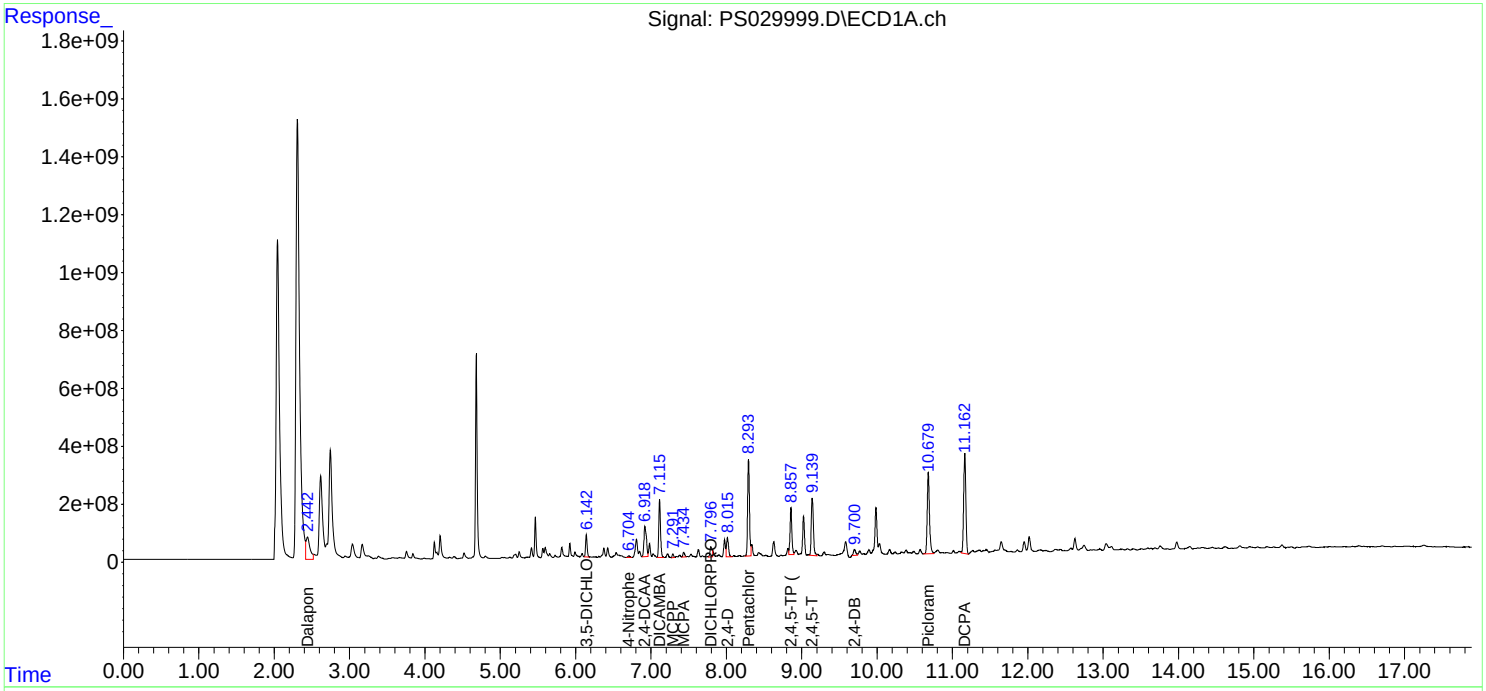
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS029999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 04:34
Operator : AR\AJ
Sample : Q1906-05MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

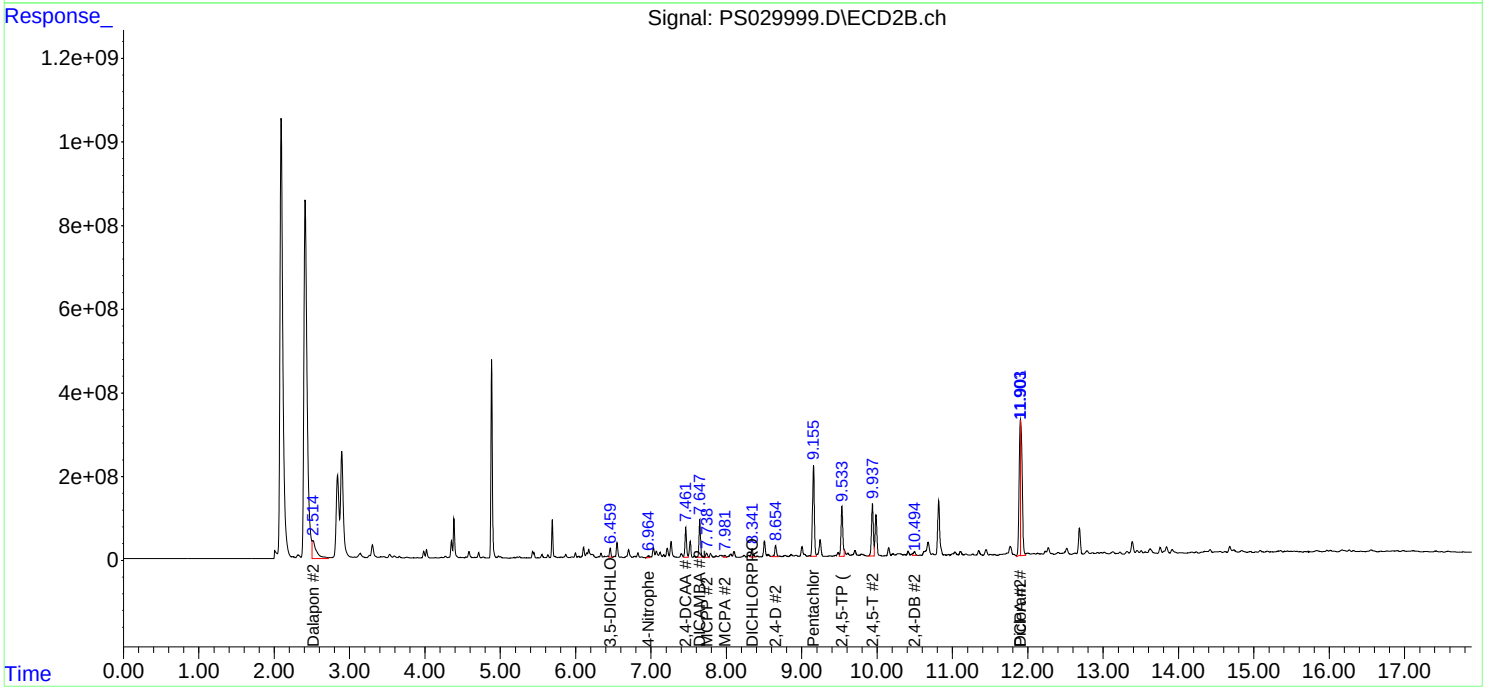
Instrument :
ECD_S
ClientSampleId :
WC-5MS

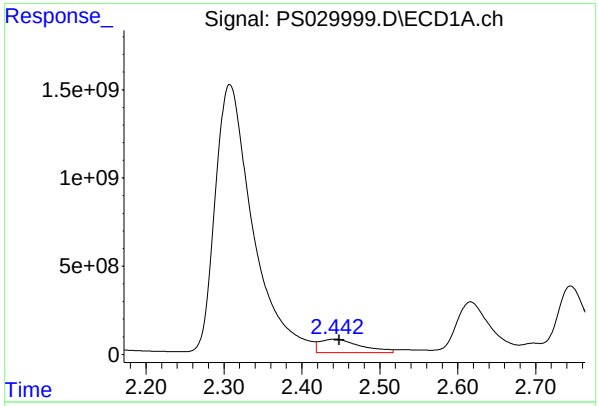
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 04:56:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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.: 2.442 min
Delta R.T.: -0.006 mi
Response: 2778749021
Conc: 678.53 ng/m

Instrument :
ECD_S
ClientSampleId :
WC-5MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
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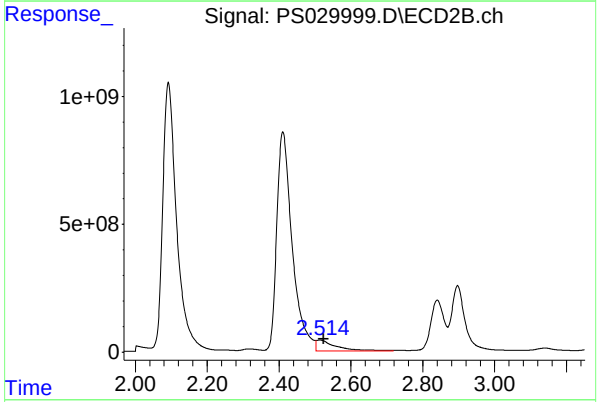
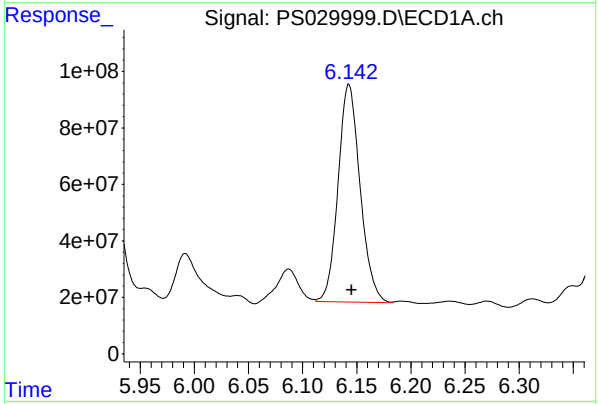


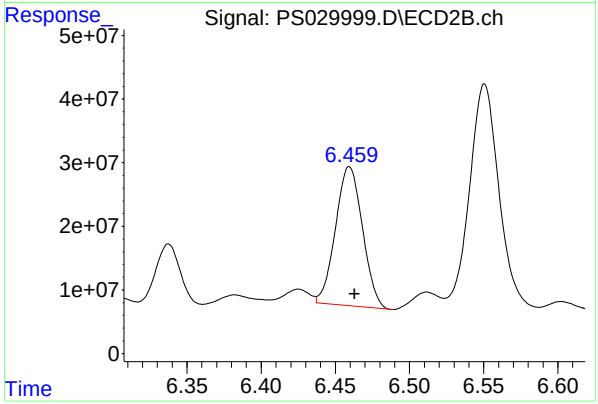
#1 Dalapon

R.T.: 2.515 min
Delta R.T.: -0.010 min
Response: 1703518196
Conc: 981.21 ng/ml



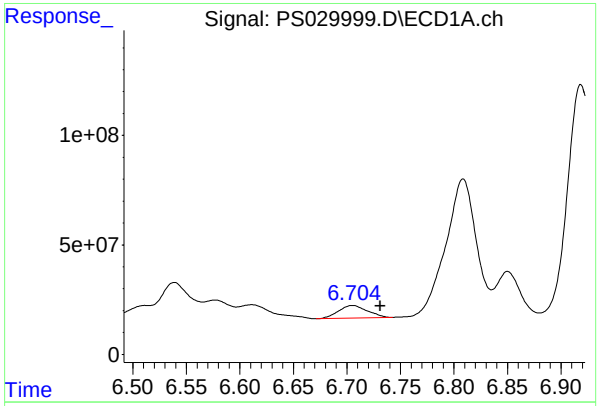
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.142 min
Delta R.T.: -0.003 min
Response: 1089175555
Conc: 304.77 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 276716083
Conc: 283.06 ng/ml



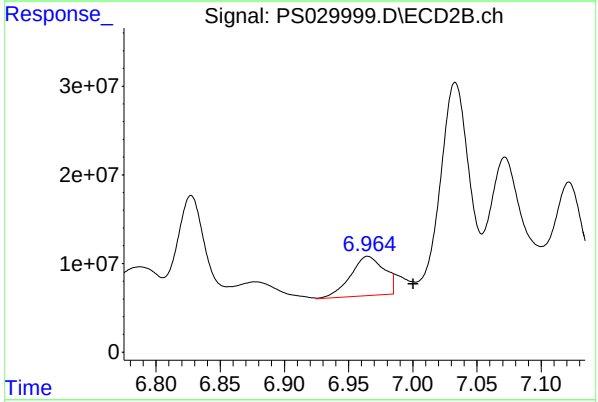
#3 4-Nitrophenol

R.T.: 6.705 min
Delta R.T.: -0.026 min
Response: 108765273
Conc: 60.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MS

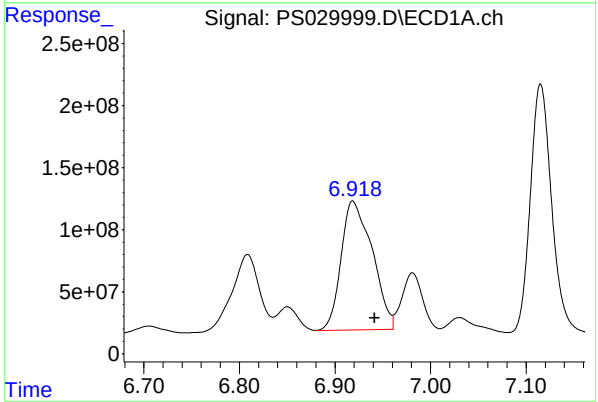
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



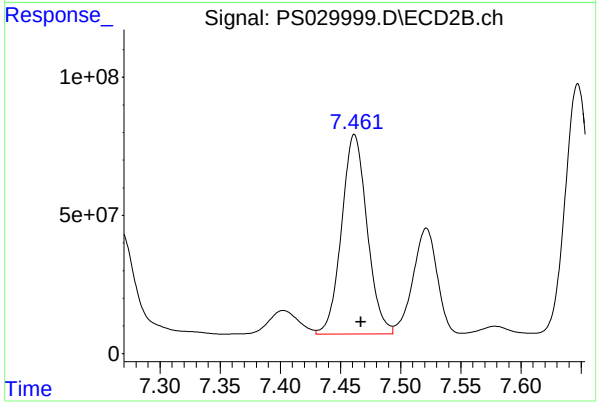
#3 4-Nitrophenol

R.T.: 6.964 min
Delta R.T.: -0.036 min
Response: 80838331
Conc: 105.54 ng/ml m



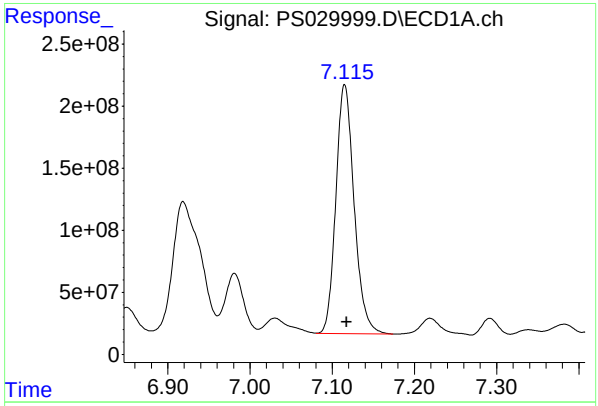
#4 2,4-DCAA

R.T.: 6.919 min
Delta R.T.: -0.022 min
Response: 2352694270
Conc: 955.96 ng/ml



#4 2,4-DCAA

R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 1067430949
Conc: 1515.12 ng/ml



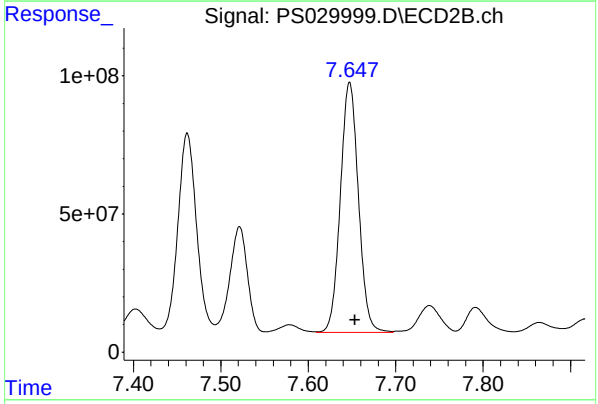
#5 DICAMBA

R.T.: 7.115 min
Delta R.T.: -0.003 min
Response: 3104526552
Conc: 313.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MS

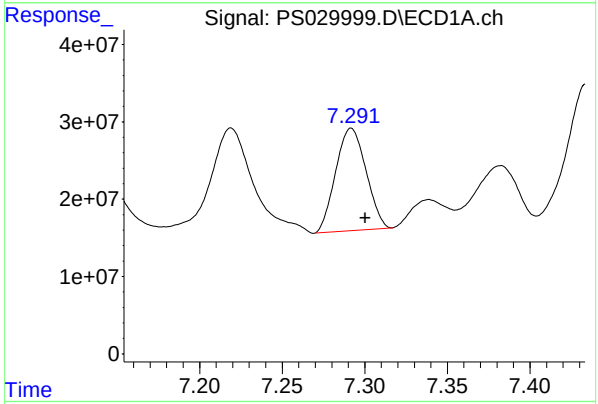
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



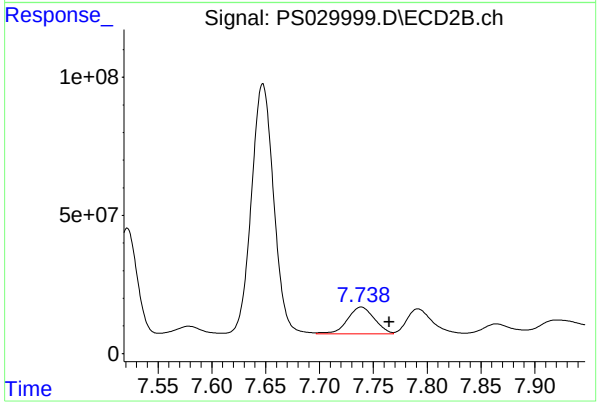
#5 DICAMBA

R.T.: 7.647 min
Delta R.T.: -0.006 min
Response: 1301192862
Conc: 329.41 ng/ml



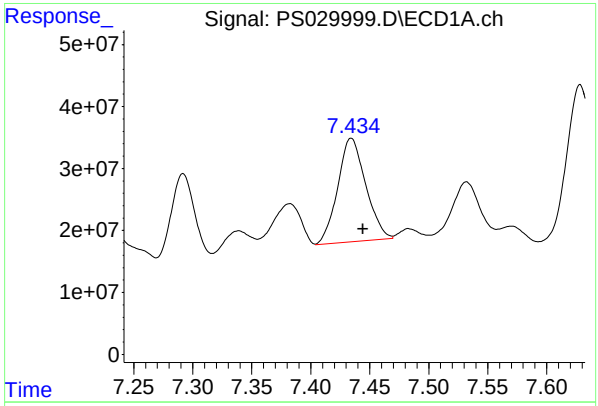
#6 MCPP

R.T.: 7.292 min
Delta R.T.: -0.009 min
Response: 169114247
Conc: 26.25 ug/ml



#6 MCPP

R.T.: 7.739 min
Delta R.T.: -0.026 min
Response: 167616033
Conc: 95.84 ug/ml



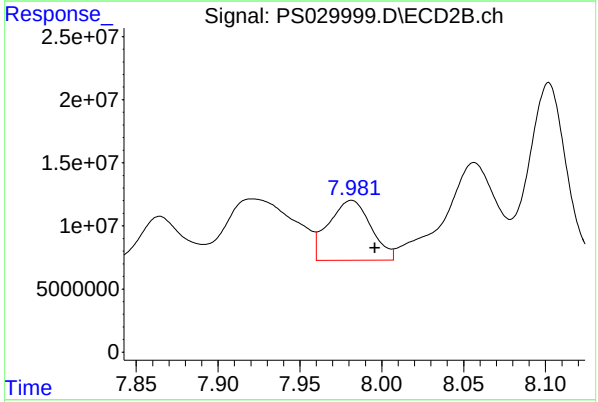
#7 MCPA

R.T.: 7.434 min
Delta R.T.: -0.010 mi
Response: 275866896
Conc: 31.24 ug/m

Instrument :
ECD_S
ClientSampleId :
WC-5MS

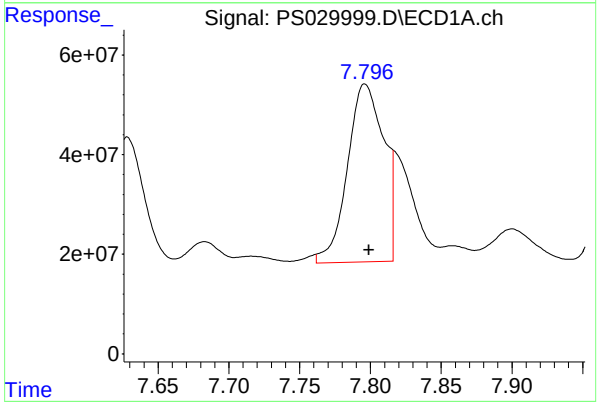
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



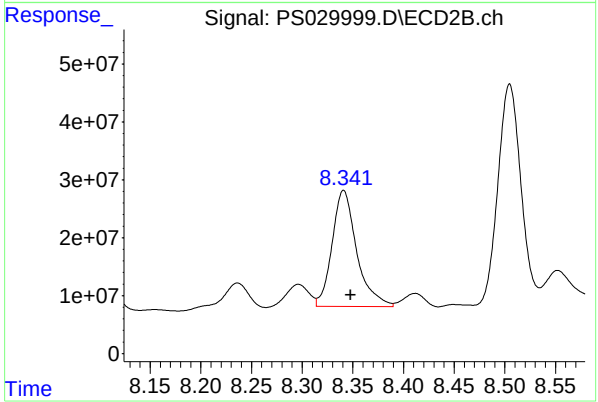
#7 MCPA

R.T.: 7.981 min
Delta R.T.: -0.014 min
Response: 85484678
Conc: 36.13 ug/ml



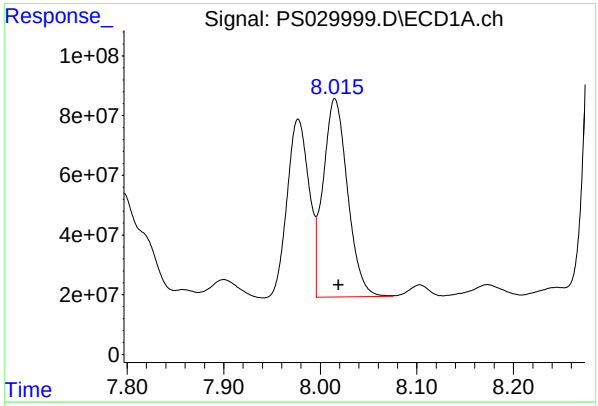
#8 DICHLORPROP

R.T.: 7.796 min
Delta R.T.: -0.003 min
Response: 648094351
Conc: 255.75 ng/ml m



#8 DICHLORPROP

R.T.: 8.341 min
Delta R.T.: -0.007 min
Response: 340201612
Conc: 338.86 ng/ml



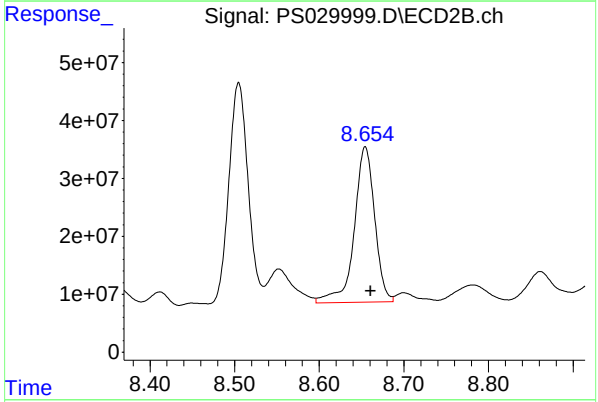
#9 2,4-D

R.T.: 8.015 min
Delta R.T.: -0.004 mi
Response: 1168343085
Conc: 415.36 ng/m

Instrument :
ECD_S
ClientSampleId :
WC-5MS

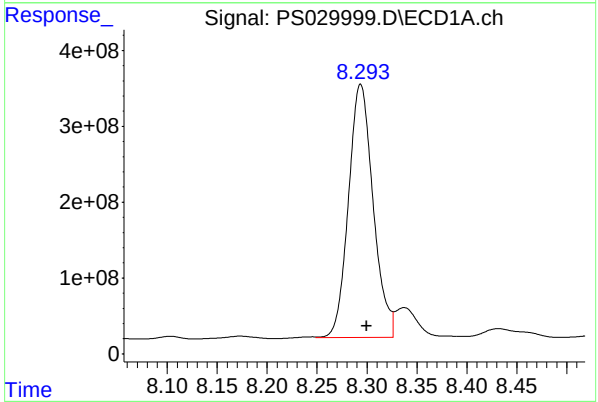
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



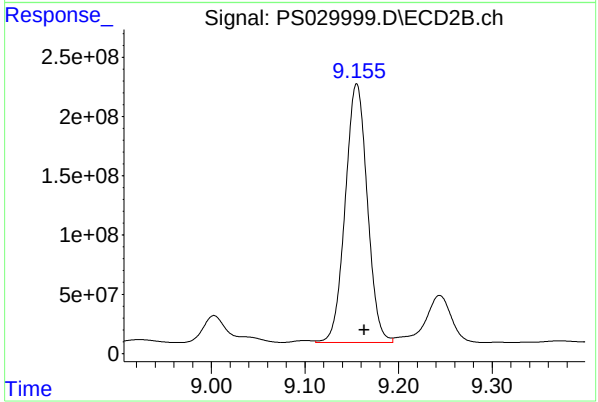
#9 2,4-D

R.T.: 8.654 min
Delta R.T.: -0.007 min
Response: 453157976
Conc: 402.05 ng/ml



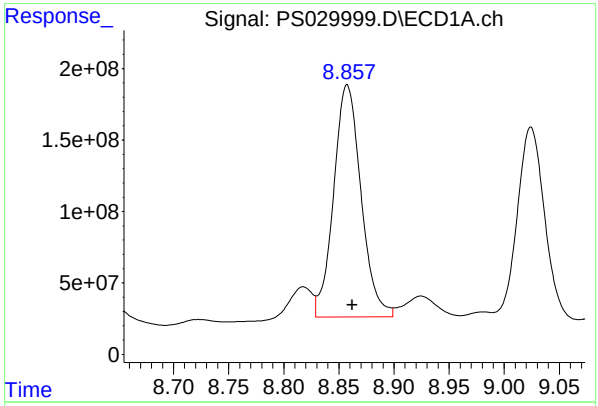
#10 Pentachlorophenol

R.T.: 8.293 min
Delta R.T.: -0.006 min
Response: 5741459866
Conc: 164.58 ng/ml m



#10 Pentachlorophenol

R.T.: 9.155 min
Delta R.T.: -0.008 min
Response: 3568229586
Conc: 175.39 ng/ml



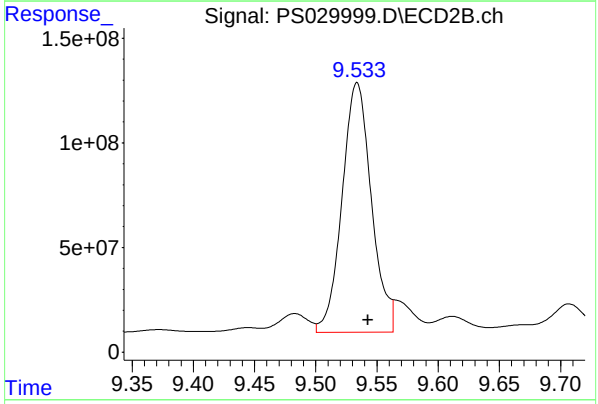
#11 2,4,5-TP (SILVEX)

R.T.: 8.857 min
Delta R.T.: -0.005 mi
Response: 2807170683
Conc: 202.50 ng/m

Instrument :
ECD_S
ClientSampleId :
WC-5MS

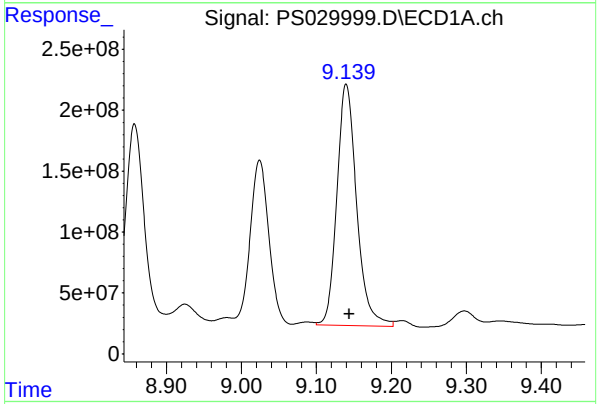
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



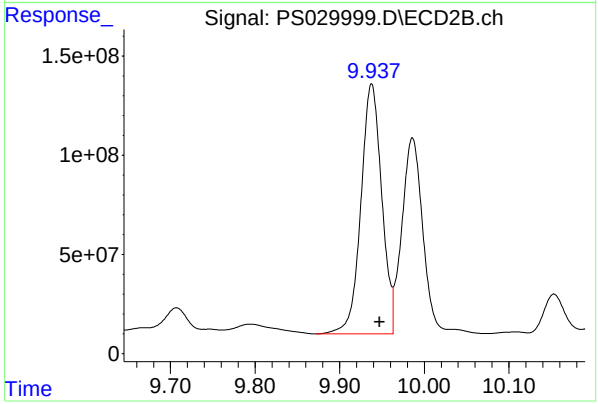
#11 2,4,5-TP (SILVEX)

R.T.: 9.533 min
Delta R.T.: -0.009 min
Response: 1987477002
Conc: 242.92 ng/ml m



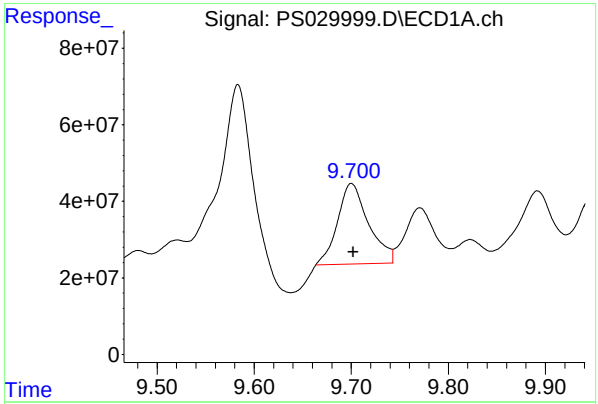
#12 2,4,5-T

R.T.: 9.140 min
Delta R.T.: -0.004 min
Response: 3632188453
Conc: 258.46 ng/ml



#12 2,4,5-T

R.T.: 9.938 min
Delta R.T.: -0.010 min
Response: 2158849749
Conc: 278.11 ng/ml



#13 2,4-DB

R.T.: 9.700 min
Delta R.T.: -0.002 mi
Response: 469054192
Conc: 205.24 ng/m

Instrument :
ECD_S
ClientSampleId :
WC-5MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
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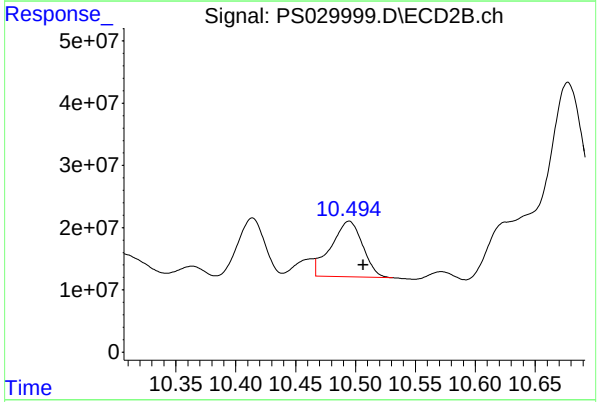
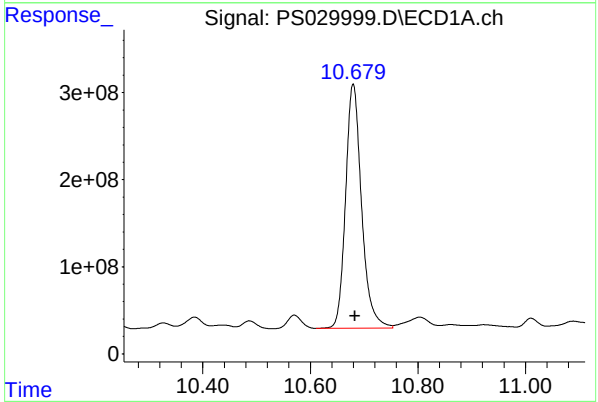


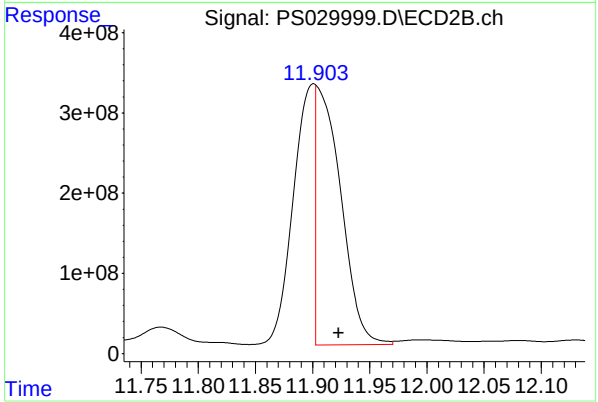
#13 2,4-DB

R.T.: 10.494 min
Delta R.T.: -0.012 min
Response: 163646510
Conc: 203.33 ng/ml m



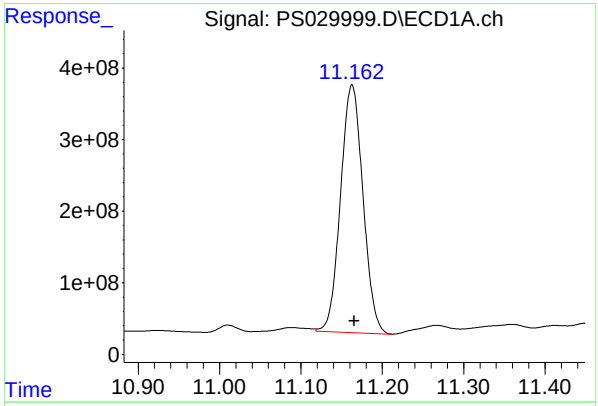
#15 Picloram

R.T.: 10.680 min
Delta R.T.: -0.004 min
Response: 5787594197
Conc: 315.73 ng/ml



#15 Picloram

R.T.: 11.903 min
Delta R.T.: -0.020 min
Response: 4817867384
Conc: 392.22 ng/ml m



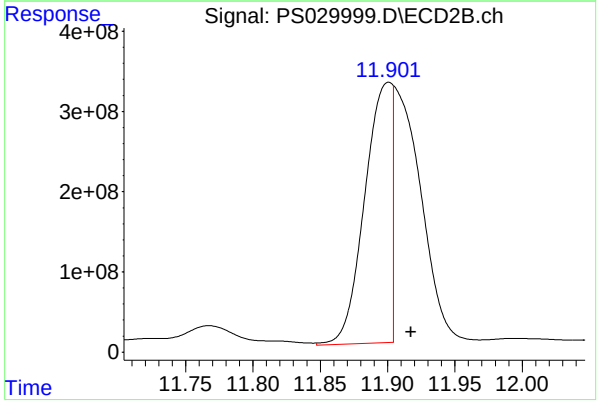
#16 DCPA

R.T.: 11.162 min
Delta R.T.: -0.004 mi
Response: 6627935599
Conc: 389.40 ng/m

Instrument :
ECD_S
ClientSampleId :
WC-5MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



#16 DCPA

R.T.: 11.901 min
Delta R.T.: -0.017 min
Response: 4674031139
Conc: 414.67 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:	04/28/25
Project:	Raymark Superfund Site	Date Received:	04/28/25
Client Sample ID:	WC-5MSD	SDG No.:	Q1883
Lab Sample ID:	Q1906-05MSD	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	83.5 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
PS030000.D	1	04/30/25 08:50	05/01/25 04:58	PB167796

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.13		0.0093	0.040	0.080	mg/Kg
75-99-0	DALAPON	0.38	P	0.021	0.060	0.080	mg/Kg
120-36-5	DICHLORPROP	0.14	P	0.015	0.040	0.080	mg/Kg
94-75-7	2,4-D	0.17		0.011	0.040	0.080	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.10		0.011	0.040	0.080	mg/Kg
93-76-5	2,4,5-T	0.11		0.010	0.040	0.080	mg/Kg
94-82-6	2,4-DB	0.085		0.029	0.040	0.080	mg/Kg
88-85-7	DINOSEB	0.040	U	0.013	0.040	0.080	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	1540	*	27 - 122		308%	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\PS043025\
Data File : PS030000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 04:58
Operator : AR\AJ
Sample : Q1906-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
WC-5MSD

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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 05:15:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.919	7.462	2383.8E6	1086.7E6	968.580	1542.476 #
	Target Compounds						
1) T	Dalapon	2.443	2.516	2684.7E6	1670.2E6	655.570	962.008 #
2) T	3,5-DICHL...	6.142	6.459	1091.5E6	282.0E6	305.432m	288.501
3) T	4-Nitroph...	6.705	6.965	111.4E6	93163381	62.467	121.636m#
5) T	DICAMBA	7.114	7.648	3137.2E6	1321.2E6	316.802m	334.474
6) T	MCPP	7.292	7.738	166.7E6	168.2E6	25.863	96.144 #
7) T	MCPA	7.434	7.982	275.0E6	84049137	31.136	35.527
8) T	DICHLORPROP	7.795	8.341	637.3E6	345.5E6	251.505m	344.094 #
9) T	2,4-D	8.015	8.654	1183.7E6	461.4E6	420.814	409.339
10) T	Pentachlo...	8.293	9.155	5829.4E6	3626.2E6	167.103	178.239
11) T	2,4,5-TP ...	8.857	9.533	2881.3E6	2060.0E6	207.846m	251.776m
12) T	2,4,5-T	9.140	9.937	3680.4E6	2208.5E6	261.892	284.499
13) T	2,4-DB	9.700	10.493	414.0E6	170.6E6	181.138m	212.019m
15) T	Picloram	10.679	11.904	5832.1E6	4481.7E6	318.161	364.849m
16) T	DCPA	11.162	11.900	6578.7E6	3900.7E6	386.502	346.066m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 04:58
Operator : AR\AJ
Sample : Q1906-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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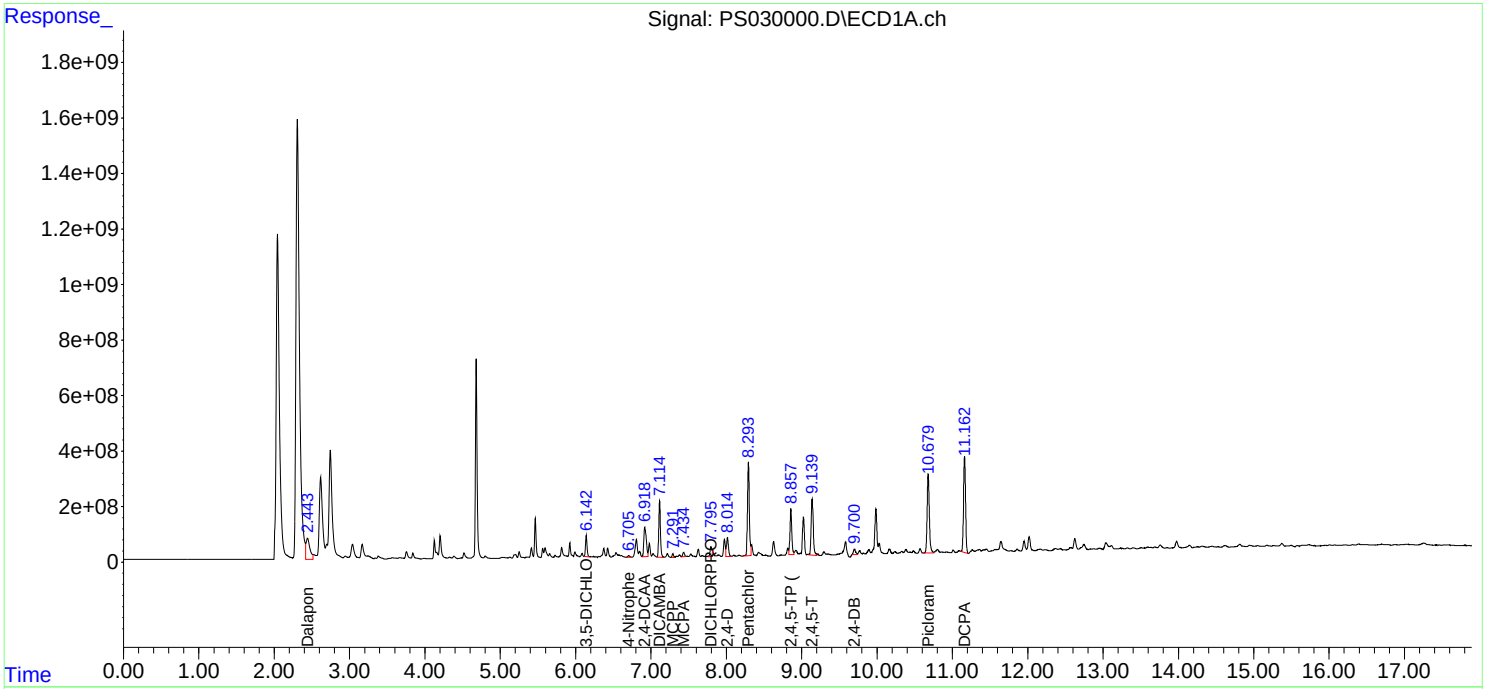
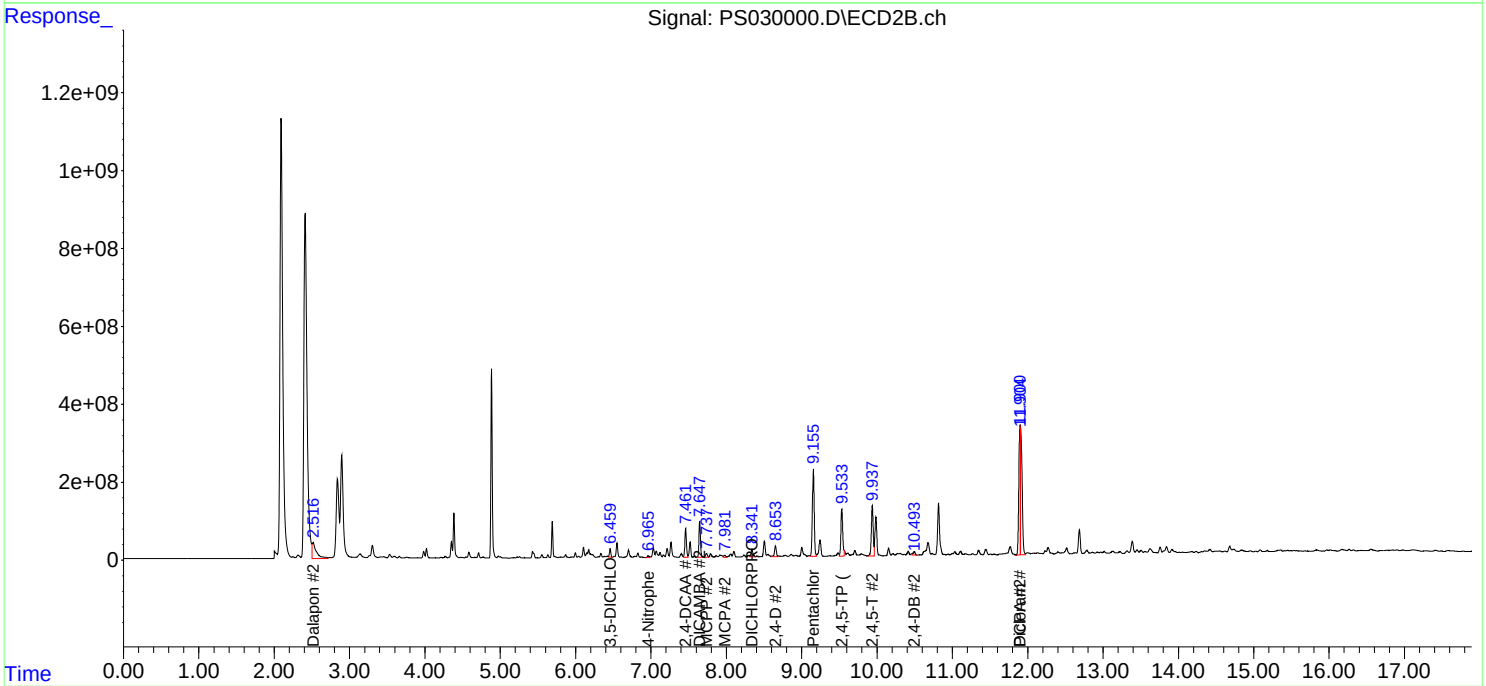
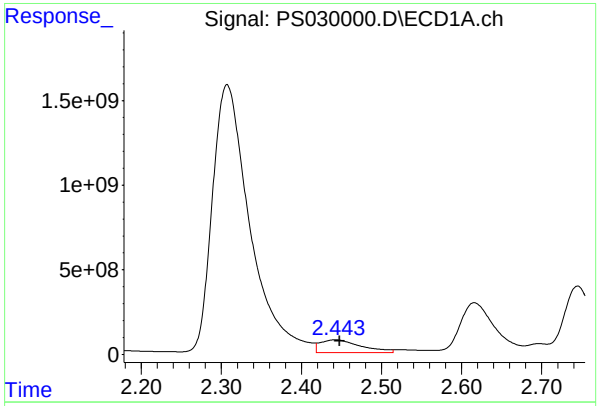
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 05:15:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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.: 2.443 min
Delta R.T.: -0.005 min
Response: 2684729749
Conc: 655.57 ng/ml

Instrument :
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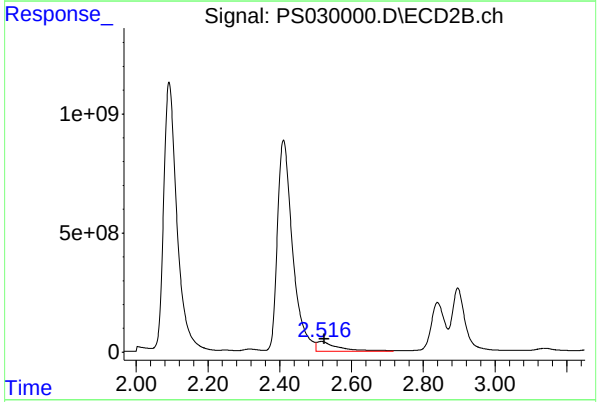
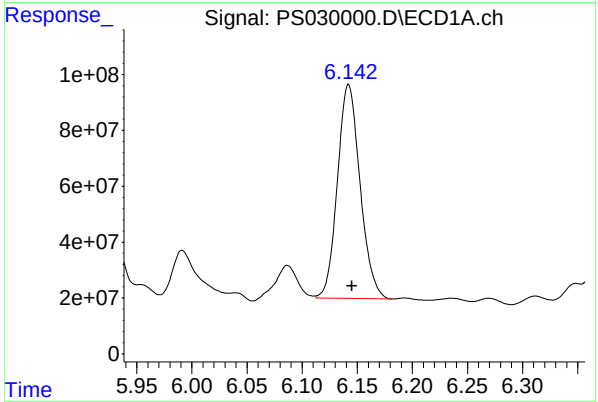


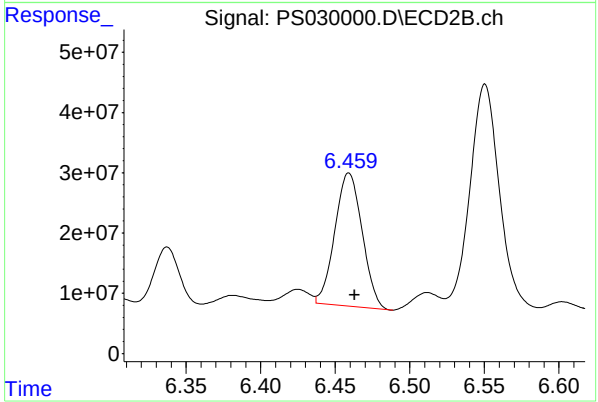
#1 Dalapon

R.T.: 2.516 min
Delta R.T.: -0.008 min
Response: 1670184214
Conc: 962.01 ng/ml



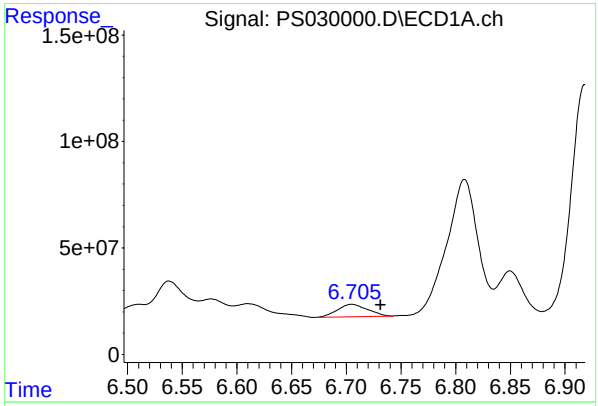
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.142 min
Delta R.T.: -0.004 min
Response: 1091547420
Conc: 305.43 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 282032989
Conc: 288.50 ng/ml



#3 4-Nitrophenol

R.T.: 6.705 min
Delta R.T.: -0.026 min
Response: 111398988
Conc: 62.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
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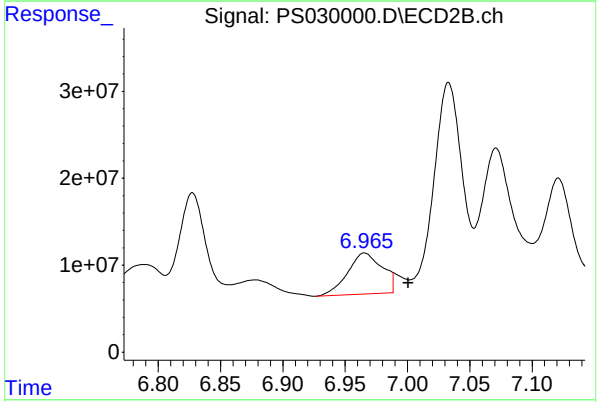
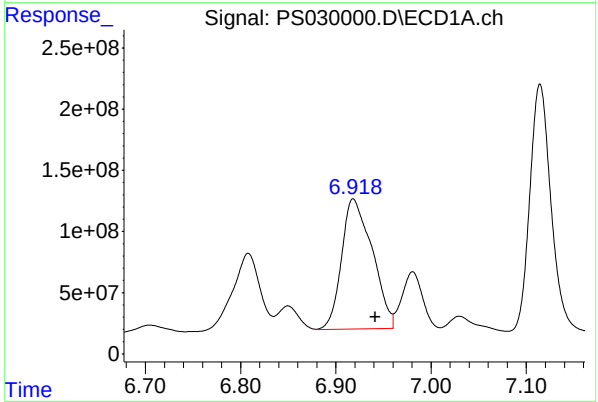


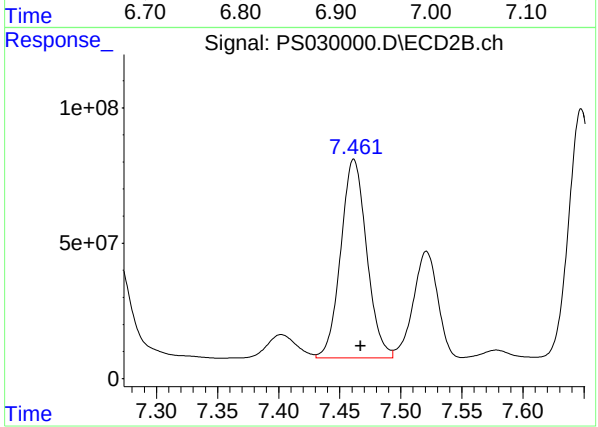
#3 4-Nitrophenol

R.T.: 6.965 min
Delta R.T.: -0.036 min
Response: 93163381
Conc: 121.64 ng/ml m



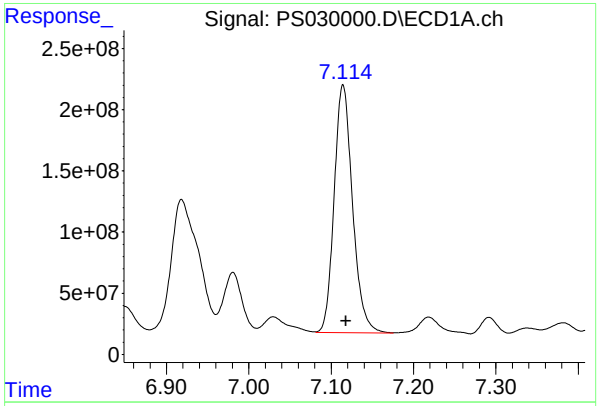
#4 2,4-DCAA

R.T.: 6.919 min
Delta R.T.: -0.023 min
Response: 2383750734
Conc: 968.58 ng/ml



#4 2,4-DCAA

R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 1086700629
Conc: 1542.48 ng/ml



#5 DICAMBA

R.T.: 7.114 min
Delta R.T.: -0.004 min
Response: 3137245760
Conc: 316.80 ng/ml

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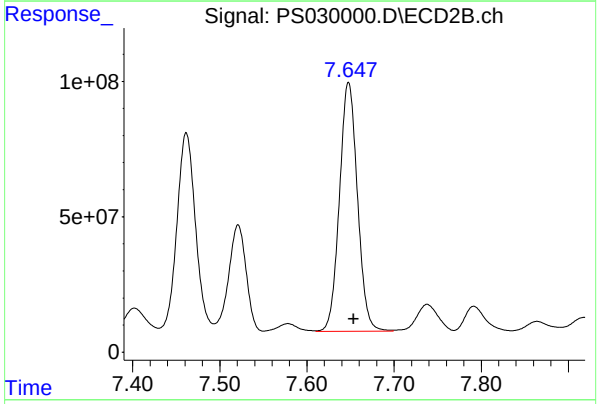
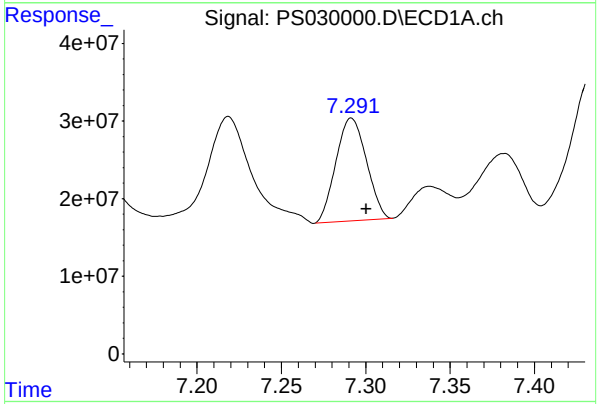


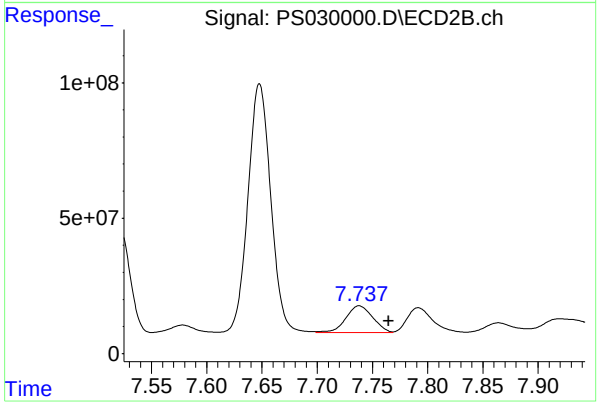
#5 DICAMBA

R.T.: 7.648 min
Delta R.T.: -0.006 min
Response: 1321193549
Conc: 334.47 ng/ml



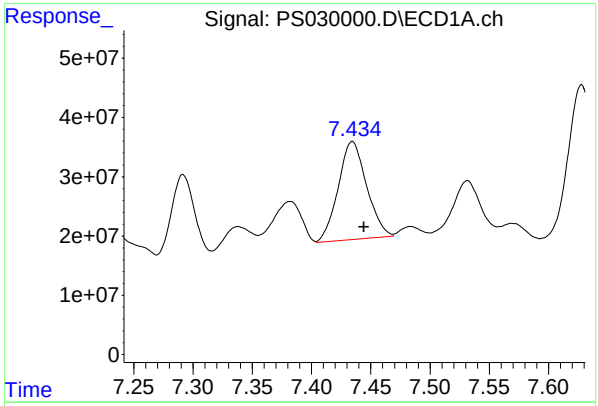
#6 MCPP

R.T.: 7.292 min
Delta R.T.: -0.009 min
Response: 166652078
Conc: 25.86 ug/ml



#6 MCPP

R.T.: 7.738 min
Delta R.T.: -0.027 min
Response: 168151316
Conc: 96.14 ug/ml



#7 MCPA

R.T.: 7.434 min
Delta R.T.: -0.010 mi
Response: 274972414
Conc: 31.14 ug/m

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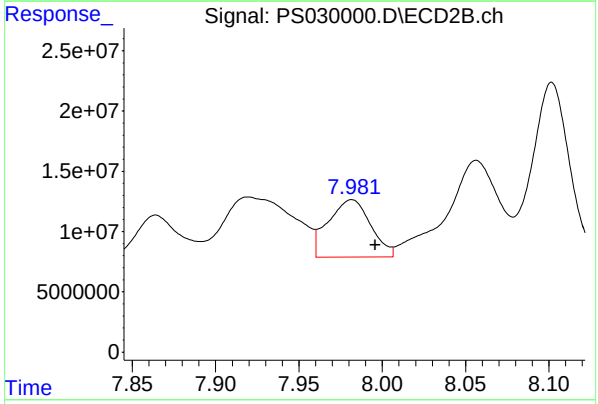
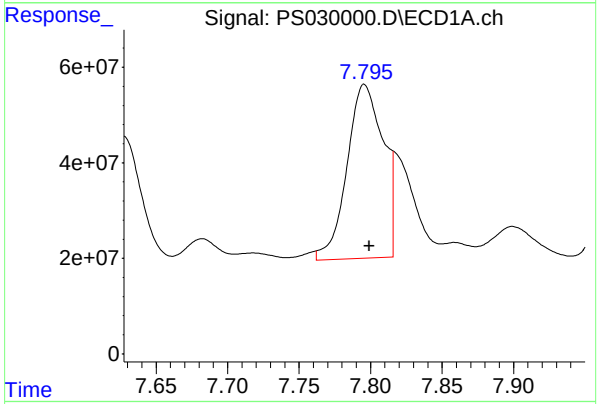


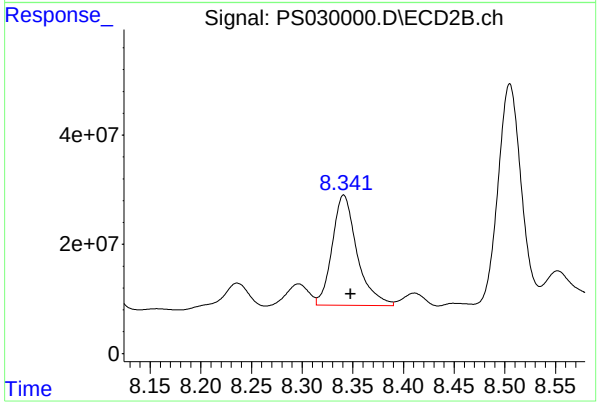
#7 MCPA

R.T.: 7.982 min
Delta R.T.: -0.014 min
Response: 84049137
Conc: 35.53 ug/ml



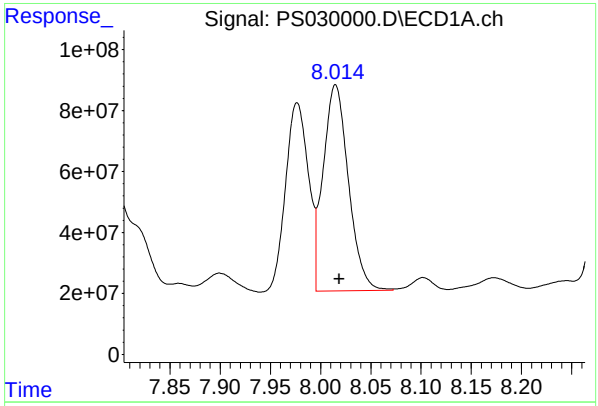
#8 DICHLORPROP

R.T.: 7.795 min
Delta R.T.: -0.004 min
Response: 637341151
Conc: 251.51 ng/ml m



#8 DICHLORPROP

R.T.: 8.341 min
Delta R.T.: -0.007 min
Response: 345457932
Conc: 344.09 ng/ml



#9 2,4-D

R.T.: 8.015 min
Delta R.T.: -0.004 min
Response: 1183696641
Conc: 420.81 ng/ml

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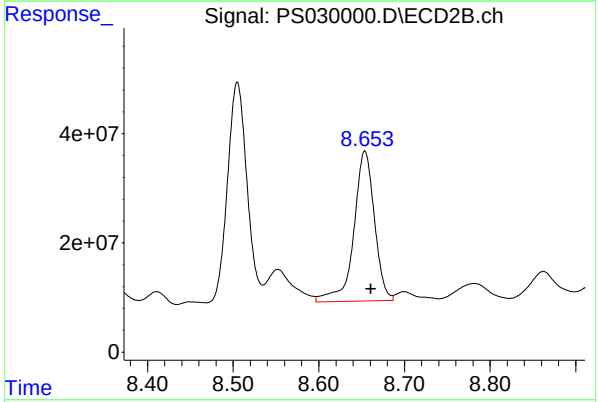
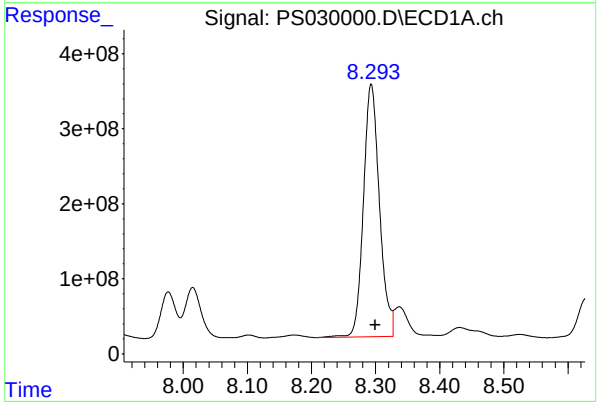


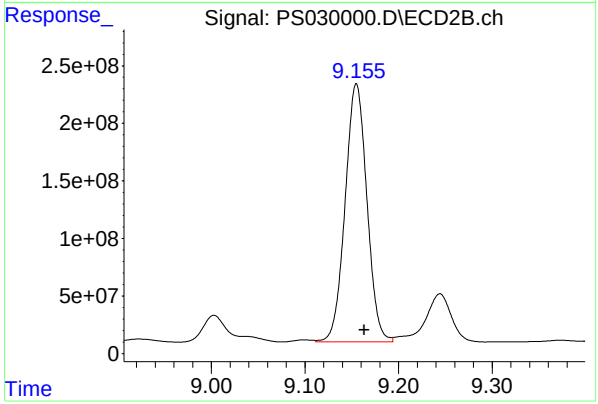
#9 2,4-D

R.T.: 8.654 min
Delta R.T.: -0.007 min
Response: 461368615
Conc: 409.34 ng/ml



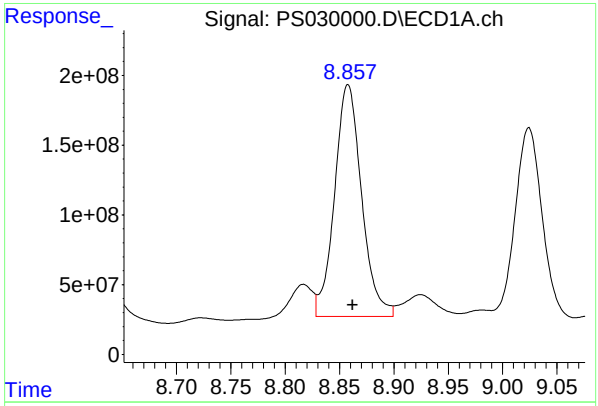
#10 Pentachlorophenol

R.T.: 8.293 min
Delta R.T.: -0.006 min
Response: 5829372536
Conc: 167.10 ng/ml



#10 Pentachlorophenol

R.T.: 9.155 min
Delta R.T.: -0.009 min
Response: 3626233908
Conc: 178.24 ng/ml



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

R.T.: 8.857 min
Delta R.T.: -0.005 min
Response: 2881331277
Conc: 207.85 ng/ml

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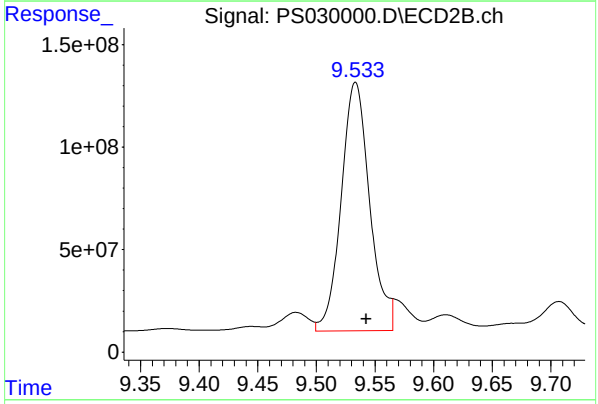
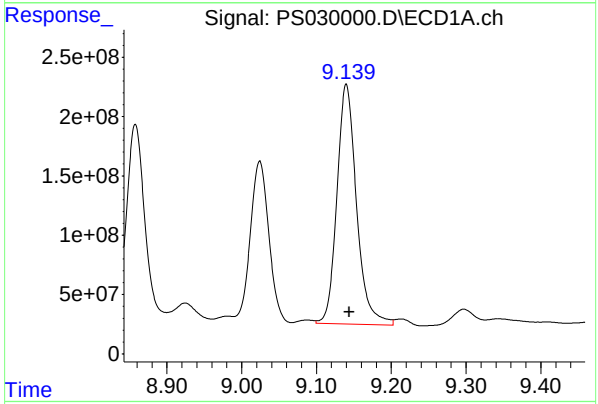


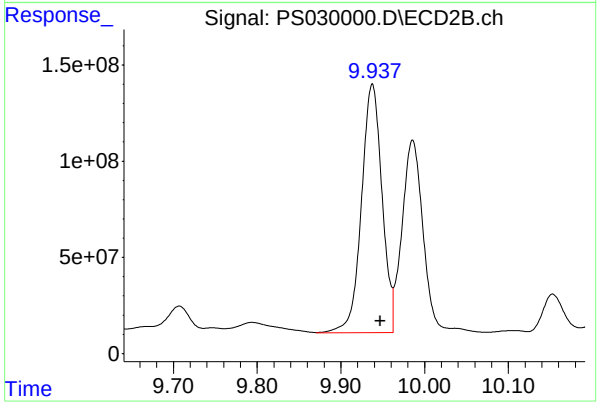
#11 2,4,5-TP (SILVEX)

R.T.: 9.533 min
Delta R.T.: -0.010 min
Response: 2059964649
Conc: 251.78 ng/ml m



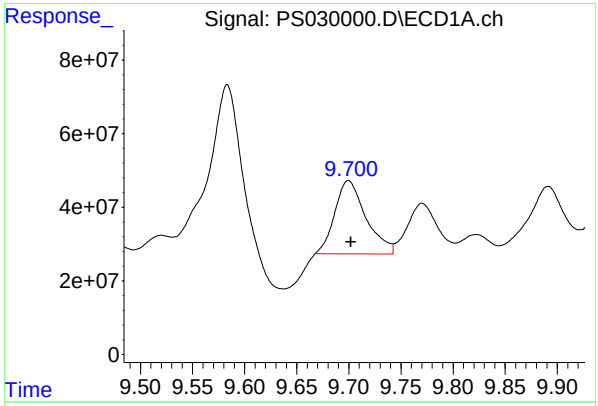
#12 2,4,5-T

R.T.: 9.140 min
Delta R.T.: -0.004 min
Response: 3680396485
Conc: 261.89 ng/ml



#12 2,4,5-T

R.T.: 9.937 min
Delta R.T.: -0.010 min
Response: 2208455612
Conc: 284.50 ng/ml



#13 2,4-DB

R.T.: 9.700 min
Delta R.T.: -0.002 mi
Response: 413963725
Conc: 181.14 ng/m

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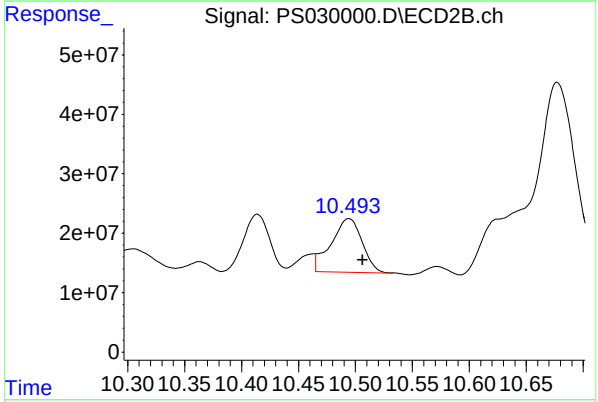
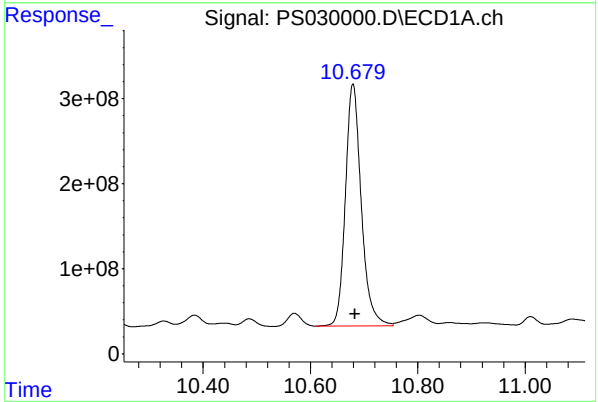


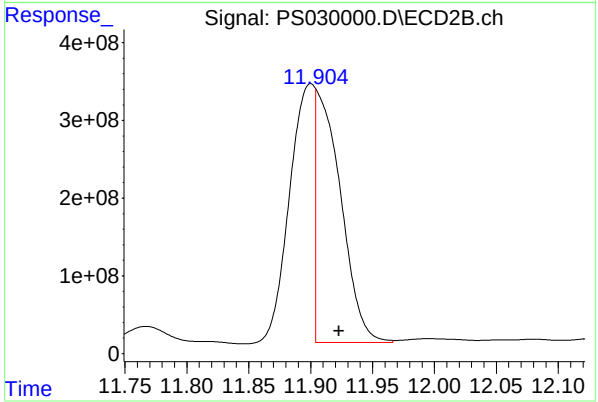
#13 2,4-DB

R.T.: 10.493 min
Delta R.T.: -0.013 min
Response: 170641685
Conc: 212.02 ng/ml m



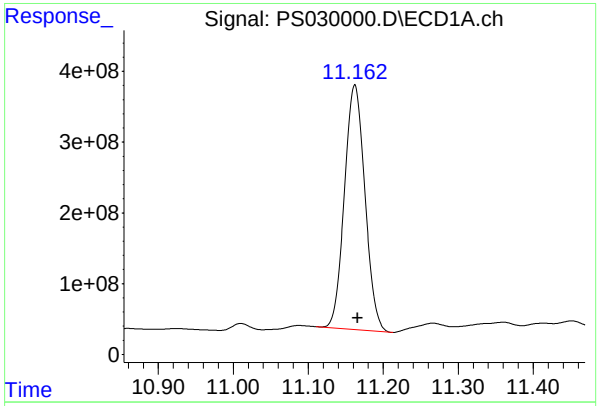
#15 Picloram

R.T.: 10.679 min
Delta R.T.: -0.004 min
Response: 5832090919
Conc: 318.16 ng/ml



#15 Picloram

R.T.: 11.904 min
Delta R.T.: -0.019 min
Response: 4481672472
Conc: 364.85 ng/ml m



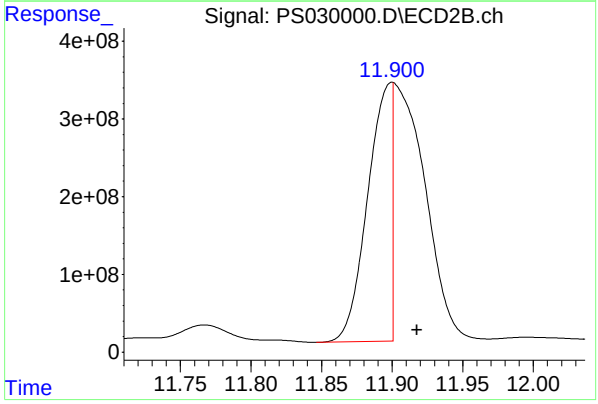
#16 DCPA

R.T.: 11.162 min
Delta R.T.: -0.004 mi
Response: 6578656178
Conc: 386.50 ng/m

Instrument :
ECD_S
ClientSampleId :
WC-5MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



#16 DCPA

R.T.: 11.900 min
Delta R.T.: -0.018 min
Response: 3900733580
Conc: 346.07 ng/ml m

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Manual Integration Report

Sequence:	PS042325	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS029919.D	Dalapon	Abdul	4/24/2025 8:49:48 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICC200	PS029919.D	DCPA #2	Abdul	4/24/2025 8:49:48 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICC200	PS029919.D	Picloram #2	Abdul	4/24/2025 8:49:48 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICC500	PS029920.D	DCPA #2	Abdul	4/24/2025 8:49:52 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICC500	PS029920.D	Picloram #2	Abdul	4/24/2025 8:49:52 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICC750	PS029921.D	DCPA #2	Abdul	4/24/2025 8:49:56 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICC750	PS029921.D	Picloram #2	Abdul	4/24/2025 8:49:56 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICC1000	PS029922.D	DCPA #2	Abdul	4/24/2025 8:49:59 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICC1000	PS029922.D	Picloram #2	Abdul	4/24/2025 8:49:59 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICC1500	PS029923.D	DCPA #2	Abdul	4/24/2025 8:50:02 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICC1500	PS029923.D	Picloram #2	Abdul	4/24/2025 8:50:02 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICV750	PS029924.D	DCPA #2	Abdul	4/24/2025 8:50:06 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDICV750	PS029924.D	Picloram #2	Abdul	4/24/2025 8:50:06 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS042325	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS029926.D	DCPA #2	Abdul	4/24/2025 8:50:10 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDCCC750	PS029926.D	Picloram #2	Abdul	4/24/2025 8:50:10 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDCCC750	PS029935.D	DCPA #2	Abdul	4/24/2025 8:50:13 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDCCC750	PS029935.D	Picloram #2	Abdul	4/24/2025 8:50:13 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDCCC750	PS029943.D	DCPA #2	Abdul	4/24/2025 8:50:32 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDCCC750	PS029943.D	Picloram #2	Abdul	4/24/2025 8:50:32 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDCCC750	PS029954.D	DCPA #2	Abdul	4/24/2025 8:50:56 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDCCC750	PS029954.D	DICAMBA #2	Abdul	4/24/2025 8:50:56 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDCCC750	PS029954.D	MCPP #2	Abdul	4/24/2025 8:50:56 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software
HSTDCCC750	PS029954.D	Picloram #2	Abdul	4/24/2025 8:50:56 AM	mohammad	4/26/2025 2:18:24	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps043025	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS029991.D	DCPA #2	Abdul	5/1/2025 8:10:54 AM	mohammad	5/2/2025 3:20:13	Peak Integrated by Software
HSTDCCC750	PS029991.D	Picloram #2	Abdul	5/1/2025 8:10:54 AM	mohammad	5/2/2025 3:20:13	Peak Integrated by Software
Q1906-05MS	PS029999.D	2,4,5-TP (SILVEX)	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software
Q1906-05MS	PS029999.D	2,4,5-TP (SILVEX) #2	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software
Q1906-05MS	PS029999.D	2,4-DB	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software
Q1906-05MS	PS029999.D	2,4-DB #2	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software
Q1906-05MS	PS029999.D	3,5-DICHLOROBENZOIC ACID	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software
Q1906-05MS	PS029999.D	4-Nitrophenol #2	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software
Q1906-05MS	PS029999.D	DCPA	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software
Q1906-05MS	PS029999.D	DCPA #2	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software
Q1906-05MS	PS029999.D	DICAMBA	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software
Q1906-05MS	PS029999.D	DICHLORPROP	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software
Q1906-05MS	PS029999.D	Pentachlorophenol	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps043025	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1906-05MS	PS029999.D	Picloram #2	Abdul	5/1/2025 8:11:19 AM	mohammad	5/2/2025 3:20:33	Peak Integrated by Software
Q1906-05MSD	PS030000.D	2,4,5-TP (SILVEX)	Abdul	5/1/2025 8:11:24 AM	mohammad	5/2/2025 3:20:35	Peak Integrated by Software
Q1906-05MSD	PS030000.D	2,4,5-TP (SILVEX) #2	Abdul	5/1/2025 8:11:24 AM	mohammad	5/2/2025 3:20:35	Peak Integrated by Software
Q1906-05MSD	PS030000.D	2,4-DB	Abdul	5/1/2025 8:11:24 AM	mohammad	5/2/2025 3:20:35	Peak Integrated by Software
Q1906-05MSD	PS030000.D	2,4-DB #2	Abdul	5/1/2025 8:11:24 AM	mohammad	5/2/2025 3:20:35	Peak Integrated by Software
Q1906-05MSD	PS030000.D	3,5-DICHLOROBENZOIC ACID	Abdul	5/1/2025 8:11:24 AM	mohammad	5/2/2025 3:20:35	Peak Integrated by Software
Q1906-05MSD	PS030000.D	4-Nitrophenol #2	Abdul	5/1/2025 8:11:24 AM	mohammad	5/2/2025 3:20:35	Peak Integrated by Software
Q1906-05MSD	PS030000.D	DCPA #2	Abdul	5/1/2025 8:11:24 AM	mohammad	5/2/2025 3:20:35	Peak Integrated by Software
Q1906-05MSD	PS030000.D	DICAMBA	Abdul	5/1/2025 8:11:24 AM	mohammad	5/2/2025 3:20:35	Peak Integrated by Software
Q1906-05MSD	PS030000.D	DICHLORPROP	Abdul	5/1/2025 8:11:24 AM	mohammad	5/2/2025 3:20:35	Peak Integrated by Software
Q1906-05MSD	PS030000.D	Picloram #2	Abdul	5/1/2025 8:11:24 AM	mohammad	5/2/2025 3:20:35	Peak Integrated by Software
HSTDCCC750	PS030002.D	DCPA #2	Abdul	5/1/2025 8:11:29 AM	mohammad	5/2/2025 3:20:38	Peak Integrated by Software
HSTDCCC750	PS030002.D	Picloram #2	Abdul	5/1/2025 8:11:29 AM	mohammad	5/2/2025 3:20:38	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps043025	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030013.D	DCPA #2	Abdul	5/2/2025 8:26:37 AM	mohammad	5/5/2025 4:31:22	Peak Integrated by Software
HSTDCCC750	PS030013.D	Picloram #2	Abdul	5/2/2025 8:26:37 AM	mohammad	5/5/2025 4:31:22	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS050125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030016.D	DCPA #2	Abdul	5/2/2025 8:18:06 AM	mohammad	5/5/2025 4:41:45	Peak Integrated by Software
HSTDCCC750	PS030016.D	Picloram #2	Abdul	5/2/2025 8:18:06 AM	mohammad	5/5/2025 4:41:45	Peak Integrated by Software
Q1883-01	PS030017.D	2,4-DCAA	Abdul	5/2/2025 8:18:11 AM	mohammad	5/5/2025 4:41:47	Peak Integrated by Software
Q1883-01	PS030017.D	2,4-DCAA #2	Abdul	5/2/2025 8:18:11 AM	mohammad	5/5/2025 4:41:47	Peak Integrated by Software
Q1883-03	PS030018.D	2,4-DCAA	Abdul	5/2/2025 8:18:15 AM	mohammad	5/5/2025 4:41:49	Peak Integrated by Software
Q1883-03	PS030018.D	2,4-DCAA #2	Abdul	5/2/2025 8:18:15 AM	mohammad	5/5/2025 4:41:49	Peak Integrated by Software
Q1883-07	PS030020.D	2,4-DCAA	Abdul	5/2/2025 8:18:19 AM	mohammad	5/5/2025 4:41:51	Peak Integrated by Software
Q1883-07	PS030020.D	2,4-DCAA #2	Abdul	5/2/2025 8:18:19 AM	mohammad	5/5/2025 4:41:51	Peak Integrated by Software
Q1883-09	PS030021.D	2,4-DCAA	Abdul	5/2/2025 8:18:22 AM	mohammad	5/5/2025 4:41:54	Peak Integrated by Software
HSTDCCC750	PS030026.D	DCPA #2	Abdul	5/2/2025 8:18:28 AM	mohammad	5/5/2025 4:41:57	Peak Integrated by Software
HSTDCCC750	PS030026.D	Picloram #2	Abdul	5/2/2025 8:18:28 AM	mohammad	5/5/2025 4:41:57	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS050525	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030029.D	DCPA #2	Abdul	5/6/2025 8:15:03 AM	mohammad	5/7/2025 6:08:59	Peak Integrated by Software
HSTDCCC750	PS030029.D	Picloram #2	Abdul	5/6/2025 8:15:03 AM	mohammad	5/7/2025 6:08:59	Peak Integrated by Software
PB167796BS	PS030038.D	DCPA #2	Abdul	5/6/2025 8:15:22 AM	mohammad	5/7/2025 6:08:59	Peak Integrated by Software
PB167796BS	PS030038.D	Picloram #2	Abdul	5/6/2025 8:15:22 AM	mohammad	5/7/2025 6:08:59	Peak Integrated by Software
HSTDCCC750	PS030041.D	4-Nitrophenol #2	Abdul	5/6/2025 8:15:27 AM	mohammad	5/7/2025 6:08:59	Peak Integrated by Software
HSTDCCC750	PS030041.D	DCPA #2	Abdul	5/6/2025 8:15:27 AM	mohammad	5/7/2025 6:08:59	Peak Integrated by Software
HSTDCCC750	PS030041.D	Picloram #2	Abdul	5/6/2025 8:15:27 AM	mohammad	5/7/2025 6:08:59	Peak Integrated by Software
HSTDCCC750	PS030049.D	DCPA #2	Abdul	5/6/2025 8:15:36 AM	mohammad	5/7/2025 6:08:59	Peak Integrated by Software
HSTDCCC750	PS030049.D	Picloram #2	Abdul	5/6/2025 8:15:36 AM	mohammad	5/7/2025 6:08:59	Peak Integrated by Software

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS042325

Review By	Abdul	Review On	4/24/2025 8:51:25 AM		
Supervise By	mohammad	Supervise On	4/26/2025 2:18:24 AM		
SubDirectory	PS042325	HP Acquire Method		HP Processing Method	ps042325 8151

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	PS029917.D	23 Apr 2025 10:13	AR\AJ	Ok
2	I.BLK	PS029918.D	23 Apr 2025 10:37	AR\AJ	Ok
3	HSTDICC200	PS029919.D	23 Apr 2025 11:01	AR\AJ	Ok,M
4	HSTDICC500	PS029920.D	23 Apr 2025 11:25	AR\AJ	Ok,M
5	HSTDICC750	PS029921.D	23 Apr 2025 11:49	AR\AJ	Ok,M
6	HSTDICC1000	PS029922.D	23 Apr 2025 12:13	AR\AJ	Ok,M
7	HSTDICC1500	PS029923.D	23 Apr 2025 12:37	AR\AJ	Ok,M
8	HSTDICV750	PS029924.D	23 Apr 2025 13:01	AR\AJ	Ok,M
9	I.BLK	PS029925.D	23 Apr 2025 13:25	AR\AJ	Ok
10	HSTDCCC750	PS029926.D	23 Apr 2025 13:50	AR\AJ	Ok,M
11	Q1842-06	PS029927.D	23 Apr 2025 14:14	AR\AJ	Ok
12	Q1842-12	PS029928.D	23 Apr 2025 14:38	AR\AJ	Ok
13	Q1842-18	PS029929.D	23 Apr 2025 15:02	AR\AJ	Ok
14	Q1842-24	PS029930.D	23 Apr 2025 15:26	AR\AJ	Ok
15	Q1842-30	PS029931.D	23 Apr 2025 15:50	AR\AJ	Ok
16	Q1842-36	PS029932.D	23 Apr 2025 16:14	AR\AJ	Ok
17	Q1842-42	PS029933.D	23 Apr 2025 16:38	AR\AJ	Ok
18	I.BLK	PS029934.D	23 Apr 2025 17:02	AR\AJ	Ok
19	HSTDCCC750	PS029935.D	23 Apr 2025 17:26	AR\AJ	Ok,M
20	Q1842-06MS	PS029936.D	23 Apr 2025 18:14	AR\AJ	Ok,M
21	Q1842-06MSD	PS029937.D	23 Apr 2025 18:38	AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS042325

Review By	Abdul	Review On	4/24/2025 8:51:25 AM		
Supervise By	mohammad	Supervise On	4/26/2025 2:18:24 AM		
SubDirectory	PS042325	HP Acquire Method		HP Processing Method	ps042325 8151

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	PB167675BS	PS029938.D	23 Apr 2025 19:02	AR\AJ	Ok,M
23	PB167701BL	PS029939.D	23 Apr 2025 19:27	AR\AJ	Ok
24	PB167701BS	PS029940.D	23 Apr 2025 19:51	AR\AJ	Ok,M
25	PB167660TB	PS029941.D	23 Apr 2025 20:15	AR\AJ	Ok
26	I.BLK	PS029942.D	23 Apr 2025 20:39	AR\AJ	Ok
27	HSTDCCC750	PS029943.D	23 Apr 2025 21:03	AR\AJ	Ok,M
28	PB167710BL	PS029944.D	23 Apr 2025 21:51	AR\AJ	Ok
29	PB167710BS	PS029945.D	23 Apr 2025 22:15	AR\AJ	Ok,M
30	Q1850-01	PS029946.D	23 Apr 2025 22:39	AR\AJ	Ok
31	Q1852-01	PS029947.D	23 Apr 2025 23:03	AR\AJ	Ok
32	Q1852-03	PS029948.D	23 Apr 2025 23:27	AR\AJ	Ok
33	Q1852-05	PS029949.D	23 Apr 2025 23:51	AR\AJ	Ok,M
34	Q1852-07	PS029950.D	24 Apr 2025 00:15	AR\AJ	Ok,M
35	Q1852-07MS	PS029951.D	24 Apr 2025 00:39	AR\AJ	Ok,M
36	Q1852-07MSD	PS029952.D	24 Apr 2025 01:03	AR\AJ	Ok,M
37	I.BLK	PS029953.D	24 Apr 2025 01:27	AR\AJ	Ok
38	HSTDCCC750	PS029954.D	24 Apr 2025 04:15	AR\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS043025

Review By	Abdul	Review On	5/1/2025 8:12:26 AM		
Supervise By	mohammad	Supervise On	5/2/2025 3:21:15 AM		
SubDirectory	PS043025	HP Acquire Method		HP Processing Method	ps042325 8151

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	PS029989.D	01 May 2025 00:34	AR\AJ	Ok
2	I.BLK	PS029990.D	01 May 2025 00:58	AR\AJ	Ok
3	HSTDCCC750	PS029991.D	01 May 2025 01:22	AR\AJ	Ok,M
4	PB167796BL	PS029992.D	01 May 2025 01:46	AR\AJ	Not Ok
5	PB167796BS	PS029993.D	01 May 2025 02:10	AR\AJ	Not Ok
6	Q1904-01	PS029994.D	01 May 2025 02:34	AR\AJ	Ok
7	Q1905-01	PS029995.D	01 May 2025 02:58	AR\AJ	Ok,M
8	Q1905-05	PS029996.D	01 May 2025 03:22	AR\AJ	Ok,M
9	Q1906-01	PS029997.D	01 May 2025 03:46	AR\AJ	Ok,M
10	Q1906-05	PS029998.D	01 May 2025 04:10	AR\AJ	Ok
11	Q1906-05MS	PS029999.D	01 May 2025 04:34	AR\AJ	Ok,M
12	Q1906-05MSD	PS030000.D	01 May 2025 04:58	AR\AJ	Ok,M
13	I.BLK	PS030001.D	01 May 2025 06:10	AR\AJ	Ok
14	HSTDCCC750	PS030002.D	01 May 2025 06:59	AR\AJ	Ok,M
15	Q1906-09	PS030003.D	01 May 2025 07:47	AR\AJ	Ok
16	Q1906-13	PS030004.D	01 May 2025 08:11	AR\AJ	Ok,M
17	Q1907-01	PS030005.D	01 May 2025 08:35	AR\AJ	Ok,M
18	Q1912-01	PS030006.D	01 May 2025 08:59	AR\AJ	Ok
19	Q1912-05	PS030007.D	01 May 2025 09:23	AR\AJ	Ok
20	Q1906-05RE	PS030008.D	01 May 2025 10:11	AR\AJ	Not Ok
21	Q1906-05MSRE	PS030009.D	01 May 2025 10:35	AR\AJ	Not Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS043025

Review By	Abdul	Review On	5/1/2025 8:12:26 AM		
Supervise By	mohammad	Supervise On	5/2/2025 3:21:15 AM		
SubDirectory	PS043025	HP Acquire Method		HP Processing Method	ps042325 8151

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	Q1906-05MSDRE	PS030010.D	01 May 2025 11:00	AR\AJ	Not Ok
23	PB167796BL	PS030011.D	01 May 2025 11:24	AR\AJ	Ok
24	I.BLK	PS030012.D	01 May 2025 11:48	AR\AJ	Ok
25	HSTDCCC750	PS030013.D	01 May 2025 12:12	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS050125

Review By	Abdul	Review On	5/2/2025 8:21:10 AM		
Supervise By	mohammad	Supervise On	5/5/2025 4:42:18 AM		
SubDirectory	PS050125	HP Acquire Method		HP Processing Method	ps042325 8151

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	PS030014.D	01 May 2025 12:36	AR\AJ	Ok
2	I.BLK	PS030015.D	01 May 2025 13:03	AR\AJ	Ok
3	HSTDCCC750	PS030016.D	01 May 2025 13:27	AR\AJ	Ok,M
4	Q1883-01	PS030017.D	01 May 2025 13:51	AR\AJ	Ok,M
5	Q1883-03	PS030018.D	01 May 2025 14:15	AR\AJ	Ok,M
6	Q1883-05	PS030019.D	01 May 2025 14:39	AR\AJ	Ok
7	Q1883-07	PS030020.D	01 May 2025 15:04	AR\AJ	Ok,M
8	Q1883-09	PS030021.D	01 May 2025 15:28	AR\AJ	Ok,M
9	Q1883-11	PS030022.D	01 May 2025 15:52	AR\AJ	Ok
10	Q1883-13	PS030023.D	01 May 2025 16:16	AR\AJ	Ok
11	Q1883-15	PS030024.D	01 May 2025 16:40	AR\AJ	Ok
12	I.BLK	PS030025.D	01 May 2025 17:04	AR\AJ	Ok
13	HSTDCCC750	PS030026.D	01 May 2025 17:28	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS050525

Review By	Abdul	Review On	5/6/2025 8:15:56 AM		
Supervise By	mohammad	Supervise On	5/7/2025 6:08:59 AM		
SubDirectory	PS050525	HP Acquire Method		HP Processing Method	ps042325 8151

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	PS030027.D	05 May 2025 08:15	AR\AJ	Ok
2	I.BLK	PS030028.D	05 May 2025 08:38	AR\AJ	Ok
3	HSTDCCC750	PS030029.D	05 May 2025 09:55	AR\AJ	Ok,M
4	PB167830BL	PS030030.D	05 May 2025 10:19	AR\AJ	Ok
5	PB167830BS	PS030031.D	05 May 2025 10:43	AR\AJ	Ok
6	Q1916-01	PS030032.D	05 May 2025 11:23	AR\AJ	Ok
7	Q1917-01	PS030033.D	05 May 2025 11:47	AR\AJ	Ok
8	Q1917-01MS	PS030034.D	05 May 2025 12:11	AR\AJ	Ok,M
9	Q1917-01MSD	PS030035.D	05 May 2025 12:35	AR\AJ	Ok,M
10	Q1922-01	PS030036.D	05 May 2025 12:59	AR\AJ	Ok
11	Q1922-05	PS030037.D	05 May 2025 13:23	AR\AJ	Ok,M
12	PB167796BS	PS030038.D	05 May 2025 13:47	AR\AJ	Ok,M
13	Q1928-01	PS030039.D	05 May 2025 14:11	AR\AJ	Ok
14	I.BLK	PS030040.D	05 May 2025 14:35	AR\AJ	Ok
15	HSTDCCC750	PS030041.D	05 May 2025 16:41	AR\AJ	Ok,M
16	Q1932-01	PS030042.D	05 May 2025 17:05	AR\AJ	Ok
17	Q1932-03	PS030043.D	05 May 2025 17:29	AR\AJ	Ok,M
18	Q1932-05	PS030044.D	05 May 2025 17:53	AR\AJ	Ok
19	Q1932-07	PS030045.D	05 May 2025 18:17	AR\AJ	Ok
20	Q1935-01	PS030046.D	05 May 2025 18:41	AR\AJ	Ok
21	Q1935-05	PS030047.D	05 May 2025 19:06	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS050525

Review By	Abdul	Review On	5/6/2025 8:15:56 AM		
Supervise By	mohammad	Supervise On	5/7/2025 6:08:59 AM		
SubDirectory	PS050525	HP Acquire Method		HP Processing Method	ps042325 8151

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	I.BLK	PS030048.D	05 May 2025 19:30	AR\AJ	Ok
23	HSTDCCC750	PS030049.D	05 May 2025 20:18	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS042325

Review By	Abdul	Review On	4/24/2025 8:51:25 AM		
Supervise By	mohammad	Supervise On	4/26/2025 2:18:24 AM		
SubDirectory	PS042325	HP Acquire Method		HP Processing Method	ps042325 8151

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	PS029917.D	23 Apr 2025 10:13		AR\AJ	Ok
2	I.BLK	I.BLK	PS029918.D	23 Apr 2025 10:37		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS029919.D	23 Apr 2025 11:01		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS029920.D	23 Apr 2025 11:25		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS029921.D	23 Apr 2025 11:49		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS029922.D	23 Apr 2025 12:13		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS029923.D	23 Apr 2025 12:37		AR\AJ	Ok,M
8	HSTDICV750	ICVPS042325	PS029924.D	23 Apr 2025 13:01		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS029925.D	23 Apr 2025 13:25		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS029926.D	23 Apr 2025 13:50		AR\AJ	Ok,M
11	Q1842-06	PL-714-COMP-08	PS029927.D	23 Apr 2025 14:14		AR\AJ	Ok
12	Q1842-12	PL-714-COMP-09	PS029928.D	23 Apr 2025 14:38		AR\AJ	Ok
13	Q1842-18	PL-714-COMP-10	PS029929.D	23 Apr 2025 15:02		AR\AJ	Ok
14	Q1842-24	PL-714-COMP-11	PS029930.D	23 Apr 2025 15:26		AR\AJ	Ok
15	Q1842-30	PL-714-COMP-12	PS029931.D	23 Apr 2025 15:50		AR\AJ	Ok
16	Q1842-36	PL-714-COMP-13	PS029932.D	23 Apr 2025 16:14		AR\AJ	Ok
17	Q1842-42	PL-714-COMP-14	PS029933.D	23 Apr 2025 16:38		AR\AJ	Ok
18	I.BLK	I.BLK	PS029934.D	23 Apr 2025 17:02		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS042325

Review By	Abdul	Review On	4/24/2025 8:51:25 AM		
Supervise By	mohammad	Supervise On	4/26/2025 2:18:24 AM		
SubDirectory	PS042325	HP Acquire Method		HP Processing Method	ps042325 8151

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	HSTDCCC750	HSTDCCC750	PS029935.D	23 Apr 2025 17:26		AR\AJ	Ok,M
20	Q1842-06MS	PL-714-COMP-08MS	PS029936.D	23 Apr 2025 18:14		AR\AJ	Ok,M
21	Q1842-06MSD	PL-714-COMP-08MSD	PS029937.D	23 Apr 2025 18:38	RPD Fail	AR\AJ	Ok,M
22	PB167675BS	PB167675BS	PS029938.D	23 Apr 2025 19:02		AR\AJ	Ok,M
23	PB167701BL	PB167701BL	PS029939.D	23 Apr 2025 19:27		AR\AJ	Ok
24	PB167701BS	PB167701BS	PS029940.D	23 Apr 2025 19:51		AR\AJ	Ok,M
25	PB167660TB	PB167660TB	PS029941.D	23 Apr 2025 20:15		AR\AJ	Ok
26	I.BLK	I.BLK	PS029942.D	23 Apr 2025 20:39		AR\AJ	Ok
27	HSTDCCC750	HSTDCCC750	PS029943.D	23 Apr 2025 21:03		AR\AJ	Ok,M
28	PB167710BL	PB167710BL	PS029944.D	23 Apr 2025 21:51		AR\AJ	Ok
29	PB167710BS	PB167710BS	PS029945.D	23 Apr 2025 22:15		AR\AJ	Ok,M
30	Q1850-01	CONCRETE-PILE-N-C-	PS029946.D	23 Apr 2025 22:39		AR\AJ	Ok
31	Q1852-01	ETGI-354	PS029947.D	23 Apr 2025 23:03		AR\AJ	Ok
32	Q1852-03	72-11977	PS029948.D	23 Apr 2025 23:27		AR\AJ	Ok
33	Q1852-05	ETGI-278	PS029949.D	23 Apr 2025 23:51		AR\AJ	Ok,M
34	Q1852-07	72-12013	PS029950.D	24 Apr 2025 00:15		AR\AJ	Ok,M
35	Q1852-07MS	72-12013MS	PS029951.D	24 Apr 2025 00:39	Some compound recovery fail	AR\AJ	Ok,M
36	Q1852-07MSD	72-12013MSD	PS029952.D	24 Apr 2025 01:03	Some compound recovery fail, RPD fail.	AR\AJ	Ok,M
37	I.BLK	I.BLK	PS029953.D	24 Apr 2025 01:27		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS042325

Review By	Abdul	Review On	4/24/2025 8:51:25 AM		
Supervise By	mohammad	Supervise On	4/26/2025 2:18:24 AM		
SubDirectory	PS042325	HP Acquire Method		HP Processing Method	ps042325 8151

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	

38	HSTDCCC750	HSTDCCC750	PS029954.D	24 Apr 2025 04:15	All comp fail in 2nd column Except comp#1,6,15,16	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS043025

Review By	Abdul	Review On	5/1/2025 8:12:26 AM		
Supervise By	mohammad	Supervise On	5/2/2025 3:21:15 AM		
SubDirectory	PS043025	HP Acquire Method		HP Processing Method	ps042325 8151

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	PS029989.D	01 May 2025 00:34		AR\AJ	Ok
2	I.BLK	I.BLK	PS029990.D	01 May 2025 00:58		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS029991.D	01 May 2025 01:22		AR\AJ	Ok,M
4	PB167796BL	PB167796BL	PS029992.D	01 May 2025 01:46	Looks like hexan	AR\AJ	Not Ok
5	PB167796BS	PB167796BS	PS029993.D	01 May 2025 02:10	Surrogate recovery high	AR\AJ	Not Ok
6	Q1904-01	VNJ-210	PS029994.D	01 May 2025 02:34		AR\AJ	Ok
7	Q1905-01	MH-G	PS029995.D	01 May 2025 02:58		AR\AJ	Ok,M
8	Q1905-05	MH-H	PS029996.D	01 May 2025 03:22		AR\AJ	Ok,M
9	Q1906-01	WC-4	PS029997.D	01 May 2025 03:46		AR\AJ	Ok,M
10	Q1906-05	WC-5	PS029998.D	01 May 2025 04:10	Surrogate high in both column,Confirm in MS-MSD	AR\AJ	Ok
11	Q1906-05MS	WC-5MS	PS029999.D	01 May 2025 04:34	surrogate high in both column , some compound recovery fail	AR\AJ	Ok,M
12	Q1906-05MSD	WC-5MSD	PS030000.D	01 May 2025 04:58	surrogate high in both column , some compound recovery fail	AR\AJ	Ok,M
13	I.BLK	I.BLK	PS030001.D	01 May 2025 06:10		AR\AJ	Ok
14	HSTDCCC750	HSTDCCC750	PS030002.D	01 May 2025 06:59		AR\AJ	Ok,M
15	Q1906-09	WC-6	PS030003.D	01 May 2025 07:47		AR\AJ	Ok
16	Q1906-13	WC-7	PS030004.D	01 May 2025 08:11		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS043025

Review By	Abdul	Review On	5/1/2025 8:12:26 AM		
Supervise By	mohammad	Supervise On	5/2/2025 3:21:15 AM		
SubDirectory	PS043025	HP Acquire Method		HP Processing Method	ps042325 8151

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	

17	Q1907-01	CO-8R-WC	PS030005.D	01 May 2025 08:35		AR\AJ	Ok,M
18	Q1912-01	MH-E	PS030006.D	01 May 2025 08:59		AR\AJ	Ok
19	Q1912-05	MH-F	PS030007.D	01 May 2025 09:23		AR\AJ	Ok
20	Q1906-05RE	WC-5RE	PS030008.D	01 May 2025 10:11	Surrogate high in both column	AR\AJ	Not Ok
21	Q1906-05MSRE	WC-5MSRE	PS030009.D	01 May 2025 10:35	F Flag coming , surrogate high in both column , some compound recovery fail	AR\AJ	Not Ok
22	Q1906-05MSDRE	WC-5MSDRE	PS030010.D	01 May 2025 11:00	F Flag coming , surrogate high in both column , some compound recovery fail	AR\AJ	Not Ok
23	PB167796BL	PB167796BL	PS030011.D	01 May 2025 11:24		AR\AJ	Ok
24	I.BLK	I.BLK	PS030012.D	01 May 2025 11:48		AR\AJ	Ok
25	HSTDCCC750	HSTDCCC750	PS030013.D	01 May 2025 12:12		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS050125

Review By	Abdul	Review On	5/2/2025 8:21:10 AM		
Supervise By	mohammad	Supervise On	5/5/2025 4:42:18 AM		
SubDirectory	PS050125	HP Acquire Method		HP Processing Method	ps042325 8151

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	PS030014.D	01 May 2025 12:36		AR\AJ	Ok
2	I.BLK	I.BLK	PS030015.D	01 May 2025 13:03		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030016.D	01 May 2025 13:27		AR\AJ	Ok,M
4	Q1883-01	OU4-PCS-TC-27-04232	PS030017.D	01 May 2025 13:51		AR\AJ	Ok,M
5	Q1883-03	OU4-PCS-TC-28-04232	PS030018.D	01 May 2025 14:15		AR\AJ	Ok,M
6	Q1883-05	OU4-PCS-TC-29-04232	PS030019.D	01 May 2025 14:39		AR\AJ	Ok
7	Q1883-07	OU4-PCS-TC-30-04232	PS030020.D	01 May 2025 15:04		AR\AJ	Ok,M
8	Q1883-09	OU4-PCS-TC-31-04232	PS030021.D	01 May 2025 15:28		AR\AJ	Ok,M
9	Q1883-11	OU4-PCS-TC-32-04232	PS030022.D	01 May 2025 15:52		AR\AJ	Ok
10	Q1883-13	OU4-VSL-18-042325	PS030023.D	01 May 2025 16:16		AR\AJ	Ok
11	Q1883-15	OU4-VSL-19-042325	PS030024.D	01 May 2025 16:40		AR\AJ	Ok
12	I.BLK	I.BLK	PS030025.D	01 May 2025 17:04		AR\AJ	Ok
13	HSTDCCC750	HSTDCCC750	PS030026.D	01 May 2025 17:28		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS050525

Review By	Abdul	Review On	5/6/2025 8:15:56 AM		
Supervise By	mohammad	Supervise On	5/7/2025 6:08:59 AM		
SubDirectory	PS050525	HP Acquire Method		HP Processing Method	ps042325 8151

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	PS030027.D	05 May 2025 08:15		AR\AJ	Ok
2	I.BLK	I.BLK	PS030028.D	05 May 2025 08:38		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030029.D	05 May 2025 09:55		AR\AJ	Ok,M
4	PB167830BL	PB167830BL	PS030030.D	05 May 2025 10:19		AR\AJ	Ok
5	PB167830BS	PB167830BS	PS030031.D	05 May 2025 10:43		AR\AJ	Ok
6	Q1916-01	WC-12	PS030032.D	05 May 2025 11:23		AR\AJ	Ok
7	Q1917-01	MH-JJ	PS030033.D	05 May 2025 11:47		AR\AJ	Ok
8	Q1917-01MS	MH-JJMS	PS030034.D	05 May 2025 12:11	some compound recovery fail	AR\AJ	Ok,M
9	Q1917-01MSD	MH-JJMSD	PS030035.D	05 May 2025 12:35	some compound recovery fail	AR\AJ	Ok,M
10	Q1922-01	MH-R	PS030036.D	05 May 2025 12:59		AR\AJ	Ok
11	Q1922-05	MH-S	PS030037.D	05 May 2025 13:23		AR\AJ	Ok,M
12	PB167796BS	PB167796BS	PS030038.D	05 May 2025 13:47		AR\AJ	Ok,M
13	Q1928-01	MH-Q	PS030039.D	05 May 2025 14:11		AR\AJ	Ok
14	I.BLK	I.BLK	PS030040.D	05 May 2025 14:35		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS030041.D	05 May 2025 16:41		AR\AJ	Ok,M
16	Q1932-01	COMP-4	PS030042.D	05 May 2025 17:05		AR\AJ	Ok
17	Q1932-03	COMP-5	PS030043.D	05 May 2025 17:29		AR\AJ	Ok,M
18	Q1932-05	COMP-6	PS030044.D	05 May 2025 17:53		AR\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS050525

Review By	Abdul	Review On	5/6/2025 8:15:56 AM		
Supervise By	mohammad	Supervise On	5/7/2025 6:08:59 AM		
SubDirectory	PS050525	HP Acquire Method		HP Processing Method	ps042325 8151

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	Q1932-07	COMP-7	PS030045.D	05 May 2025 18:17		AR\AJ	Ok
20	Q1935-01	MH-NN	PS030046.D	05 May 2025 18:41		AR\AJ	Ok
21	Q1935-05	MH-MM	PS030047.D	05 May 2025 19:06		AR\AJ	Ok
22	I.BLK	I.BLK	PS030048.D	05 May 2025 19:30		AR\AJ	Ok
23	HSTDCCC750	HSTDCCC750	PS030049.D	05 May 2025 20:18		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135558

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
Q1883-01	OU4-PCS-TC-27-042325	1	1.18	10.04	11.22	10.67	94.5	
Q1883-03	OU4-PCS-TC-28-042325	2	1.14	9.97	11.11	10.56	94.5	
Q1883-05	OU4-PCS-TC-29-042325	3	1.19	10.54	11.73	11.28	95.7	
Q1883-07	OU4-PCS-TC-30-042325	4	1.17	10.15	11.32	10.96	96.5	
Q1883-09	OU4-PCS-TC-31-042325	5	1.18	10.48	11.66	11.34	96.9	
Q1883-11	OU4-PCS-TC-32-042325	6	1.18	9.96	11.14	10.87	97.3	
Q1883-13	OU4-PCS-18-042325	7	1.15	10.25	11.4	10.86	94.7	
Q1883-15	OU4-PCS-19-042325	8	1.19	10.54	11.73	11.29	95.8	
Q1884-01	P001-SS037-01	9	1.17	10.30	11.47	10.87	94.2	
Q1884-02	P001-SS038-01	10	1.17	10.32	11.49	11.22	97.4	
Q1888-05	SVOC-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q1888-06	PEST-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q1888-07	PEST-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q1888-08	PCB-GPC-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q1888-09	PCB-GPC-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q1888-10	SVOC-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q1888-11	PEST-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q1888-12	PEST-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q1888-13	PCB-GPC2-BLANK	19	1.00	1.00	2.00	2.00	100.0	
Q1888-14	PCB-GCP2-BLANK-SPIKE	20	1.00	1.00	2.00	2.00	100.0	
Q1889-01	COMP-1	21	1.19	10.07	11.26	9.5	82.5	
Q1889-02	COMP-2	22	1.16	10.50	11.66	9.61	80.5	
Q1889-03	COMP-3	23	1.11	10.73	11.84	9.77	80.7	
Q1891-01	MH-C	24	1.15	9.48	10.63	9.8	91.2	
Q1891-02	MH-C-EPH	25	1.16	9.82	10.98	10.15	91.5	
Q1891-03	MH-C-VOC	26	1.19	9.94	11.13	10.2	90.6	
Q1891-05	MH-D	27	1.15	10.17	11.32	9.64	83.5	
Q1891-06	MH-D-EPH	28	1.15	9.97	11.12	8.74	76.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135558

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
Q1891-07	MH-D-VOC	29	1.18	9.46	10.64	8.83	80.9	
Q1892-01	MH-G	30	1.13	9.61	10.74	9.35	85.5	
Q1892-02	MH-G-EPH	31	1.15	10.29	11.44	9.98	85.8	
Q1892-03	MH-G-VOC	32	1.18	10.45	11.63	9.82	82.7	
Q1892-05	MH-H	33	1.14	9.66	10.8	9.92	90.9	
Q1892-06	MH-H-EPH	34	1.12	10.66	11.78	10.68	89.7	
Q1892-07	MH-H-VOC	35	1.18	10.19	11.37	10.28	89.3	
Q1892-09	MH-U2	36	1.18	10.04	11.22	9.96	87.5	
Q1892-10	MH-U2-EPH	37	1.19	10.34	11.53	10.04	85.6	
Q1892-11	MH-U2-VOC	38	1.18	10.22	11.4	10.14	87.7	
Q1893-01	UGGP-1	39	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q1893-02	UGGP-2	40	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q1893-03	INTERIOR-1	41	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-04	INTERIOR-2	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-05	INTERIOR-3	43	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-06	INTERIOR-4	44	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-07	EXTERIOR-1	45	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1895-01	COMP-1	55	1.14	10.58	11.72	10.97	92.9	
Q1895-03	COMP-2	56	1.14	10.77	11.91	10.96	91.2	
Q1895-05	COMP-3	57	1.18	10.06	11.24	10.56	93.2	
Q1896-01	295-BERGEN-RO	58	1.14	11.31	12.45	10.91	86.4	
Q1896-02	295-BERGEN-RO	59	1.18	10.01	11.19	9.9	87.1	
Q1898-01	41525A	60	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-02	41525B	61	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-03	42525A	62	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-04	42525B	63	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1900-01	WC-1	46	1.14	9.98	11.12	9.56	84.4	
Q1900-02	WC-1-EPH	47	1.14	10.35	11.49	10.19	87.4	

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
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Out Date: 04/26/2025
Weight Check 1.0g: 1.00
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BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135558

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
Q1900-03	WC-1-VOC	48	1.14	10.01	11.15	9.73	85.8	
Q1900-05	WC-2	49	1.19	8.82	10.01	8.76	85.8	
Q1900-06	WC-2-EPH	50	1.19	10.08	11.27	9.76	85.0	
Q1900-07	WC-2-VOC	51	1.17	10.79	11.96	10.33	84.9	
Q1900-09	WC-3	52	1.14	9.61	10.75	9.32	85.1	
Q1900-10	WC-3-EPH	53	1.12	10.38	11.5	9.11	77.0	
Q1900-11	WC-3-VOC	54	1.19	10.71	11.9	10.39	85.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB135558

WorkList Name : %1-042525 **WorkList ID :** 189135 **Department :** Wet-Chemistry **Date :** 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1883-01	OU4-PCS-TC-27-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-03	OU4-PCS-TC-28-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-05	OU4-PCS-TC-29-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-07	OU4-PCS-TC-30-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-09	OU4-PCS-TC-31-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-11	OU4-PCS-TC-32-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-13	OU4-PCS-18-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-15	OU4-PCS-19-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1884-01	P001-SS037-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	L51	04/24/2025	Chemtech -SO
Q1884-02	P001-SS038-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	L51	04/24/2025	Chemtech -SO
Q1888-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-14	PCB-GCP2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1889-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO

Date/Time 04/25/25 15:20

Raw Sample Received by: JD (WC)

Raw Sample Relinquished by: JD (CSM)

Date/Time 04/25/25 17:30

Raw Sample Received by: JD (CSM)

Raw Sample Relinquished by: JD (WC)

WORKLIST(Hardcopy Internal Chain)

UB 135558

WorkList Name : %1-042525 **WorkList ID :** 189135 **Department :** Wet-Chemistry **Date :** 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1889-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO
Q1889-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO
Q1891-01	MH-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-02	MH-C-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-03	MH-C-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-05	MH-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-06	MH-D-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-07	MH-D-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1892-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1892-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-09	MH-U2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-10	MH-U2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1892-11	MH-U2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1893-01	UGGP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-02	UGGP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-03	INTERIOR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-04	INTERIOR-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO

Date/Time 04/25/25 1520

Raw Sample Received by: JD (wl U)

Raw Sample Relinquished by: JD CSM

Date/Time 04/25/25 1730

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: JD (wl C)

WORKLIST(Hardcopy Internal Chain)

VB 135558

WorkList Name : %1-042525 **WorkList ID :** 189135 **Department :** Wet-Chemistry **Date :** 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1893-05	INTERIOR-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-06	INTERIOR-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-07	EXTERIOR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-03	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-05	COMP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1896-01	295-BERGEN-RO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1896-02	295-BERGEN-RO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/25/2025	Chemtech -SO
Q1898-01	41525A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/25/2025	Chemtech -SO
Q1898-02	41525B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-03	42525A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-04	42525B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1900-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1900-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-05	WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-06	WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-07	WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-09	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-10	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-11	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO

Date/Time 04/25/25 13:20

Raw Sample Received by: JD WEC

Raw Sample Relinquished by: JD CSM

Date/Time 04/25/25 17:30

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: JD WEC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167796

SOP ID:	M8151A-Herbicide-22				
Clean Up SOP #:	N/A			**Extraction Start Date :**	04/30/2025
Matrix :	Solid			**Extraction Start Time :**	08:50
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	04/30/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	16:25
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	3,4,5,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24484
Surrogate	1.0ML	5000 PPB	PP24424
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	EP2600
Acidified Na2SO4	N/A	EP2576
Sand	N/A	E2865
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2594
Methylene Chloride	N/A	E3926
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3881
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2603
Hexane	N/A	E3928
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 BTS723.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/30/25	RS (EXT-Lab)	R. Pest-PCB Lab
16:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167796

Analytical Method: M8151A-Herbicide-22 **Concentration Date:** 04/30/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167796BL	HBLK796	Herbicide	30.01	N/A	ritesh	Evelyn	10			U2-1
PB167796BS	HLCS796	Herbicide	30.02	N/A	ritesh	Evelyn	10			2
Q1883-01	OU4-PCS-TC-27-042325	Herbicide Group1	30.01	N/A	ritesh	Evelyn	10	E		3
Q1883-03	OU4-PCS-TC-28-042325	Herbicide Group1	30.06	N/A	ritesh	Evelyn	10	E		4
Q1883-05	OU4-PCS-TC-29-042325	Herbicide Group1	30.05	N/A	ritesh	Evelyn	10	E		5
Q1883-07	OU4-PCS-TC-30-042325	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		6
Q1883-09	OU4-PCS-TC-31-042325	Herbicide Group1	30.04	N/A	ritesh	Evelyn	10	E		U3-1
Q1883-11	OU4-PCS-TC-32-042325	Herbicide Group1	30.02	N/A	ritesh	Evelyn	10	E		2
Q1883-13	OU4-VSL-18-042325	Herbicide Group1	30.04	N/A	ritesh	Evelyn	10	E		3
Q1883-15	OU4-VSL-19-042325	Herbicide Group1	30.07	N/A	ritesh	Evelyn	10	E		4
Q1904-01	VNJ-210	Herbicide	30.04	N/A	ritesh	Evelyn	10			5
Q1905-01	MH-G	Herbicide	30.01	N/A	ritesh	Evelyn	10	D		6
Q1905-05	MH-H	Herbicide	30.03	N/A	ritesh	Evelyn	10	D		U6-1
Q1906-01	WC-4	Herbicide	30.05	N/A	ritesh	Evelyn	10			2
Q1906-05	WC-5	Herbicide	30.02	N/A	ritesh	Evelyn	10			3
Q1906-05MS	WC-5MS	Herbicide	30.06	N/A	ritesh	Evelyn	10			4
Q1906-05MSD	WC-5MSD	Herbicide	30.04	N/A	ritesh	Evelyn	10			5
Q1906-09	WC-6	Herbicide	30.08	N/A	ritesh	Evelyn	10			6
Q1906-13	WC-7	Herbicide	30.01	N/A	ritesh	Evelyn	10			U7-1
Q1907-01	CO-8R-WC	Herbicide	30.06	N/A	ritesh	Evelyn	10	D		2
Q1912-01	MH-E	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		3
Q1912-05	MH-F	Herbicide	30.02	N/A	ritesh	Evelyn	10	D		4

RS 4/30

* **Extracts relinquished on the same date as received.**

167796
8:52

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1904 **WorkList ID :** 189222 **Department :** Extraction **Date :** 04-30-2025 08:35:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1883-01	OU4-PCS-TC-27-042325	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	04/23/2025	8151A
Q1883-03	OU4-PCS-TC-28-042325	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	04/23/2025	8151A
Q1883-05	OU4-PCS-TC-29-042325	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	04/23/2025	8151A
Q1883-07	OU4-PCS-TC-30-042325	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	04/23/2025	8151A
Q1883-09	OU4-PCS-TC-31-042325	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	04/23/2025	8151A
Q1883-11	OU4-PCS-TC-32-042325	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	04/23/2025	8151A
Q1883-13	OU4-VSL-18-042325	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	04/23/2025	8151A
Q1883-15	OU4-VSL-19-042325	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	04/23/2025	8151A
Q1904-01	VNJ-210	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	04/28/2025	8151A
Q1905-01	MH-G	Solid	Herbicide	Cool 4 deg C	PSEG03	L51	04/28/2025	8151A
Q1905-05	MH-H	Solid	Herbicide	Cool 4 deg C	PSEG03	L51	04/28/2025	8151A
Q1906-01	WC-4	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	04/28/2025	8151A
Q1906-05	WC-5	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	04/28/2025	8151A
Q1906-09	WC-6	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	04/28/2025	8151A
Q1906-13	WC-7	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	04/28/2025	8151A
Q1907-01	CO-8R-WC	Solid	Herbicide	Cool 4 deg C	WALS01	L51	04/28/2025	8151A
Q1912-01	MH-E	Solid	Herbicide	Cool 4 deg C	PSEG03	L51	04/29/2025	8151A
Q1912-05	MH-F	Solid	Herbicide	Cool 4 deg C	PSEG03	L51	04/29/2025	8151A

Date/Time 04/30/25 8:45
Raw Sample Received by: RJ (EXT-lab)
Raw Sample Relinquished by: SM

Date/Time 04/30/25 9:15
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EXT-lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q1883

Test : Herbicide Group1

Prepbatch ID : PB167796,

Sequence ID/Qc Batch ID: ps043025,PS050125,ps050525,

Standard ID :
EP2576,EP2600,PP24061,PP24062,PP24064,PP24065,PP24066,PP24067,PP24068,PP24069,PP24070,PP24424,PP24484,

Chemical ID :
E2865,E3370,E3551,E3826,E3902,E3904,E3917,E3929,M5173,M6151,P10549,P11180,P11181,P12619,P12629,P12686,P12708,P12709,P13514,P13515,P13532,P13533,P13534,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
601	Acidified Sodium Sulphate 2	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	EP2600	04/07/2025	10/03/2025	Rajesh Parikh	None	None	Riteshkumar Patel 04/07/2025

FROM 8000.00000ml of E3904 + 8000.00000ml of E3917 = Final Quantity: 16000.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1321	2/200 PPM Herb Mega Mix	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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1452	1500 PPB HERB MIX STD	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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1454	750 PPB Herb MIX STD	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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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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1691	750 PPB ICV HERB STD	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
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP24424	03/26/2025	09/18/2025	Abdul Mirza	None	None	Yogesh Patel 04/02/2025

FROM 1.25000ml of P13514 + 1.25000ml of P13515 + 97.50000ml of E3902 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24484	04/23/2025	10/23/2025	Abdul Mirza	None	None	Yogesh Patel 05/03/2025

FROM 0.50000ml of P13534 + 1.00000ml of P13532 + 1.00000ml of P13533 + 47.75000ml of E3929 = Final Quantity: 50.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

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)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	04/18/2025 / RUPESH	04/16/2025 / RUPESH	E3929

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)	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	05/26/2025	11/26/2024 / Ankita	11/01/2021 / Abdul	P11181

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

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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 #
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	09/26/2025	03/26/2025 / Abdul	08/16/2024 / yogesh	P13514

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	09/26/2025	03/26/2025 / Abdul	08/16/2024 / yogesh	P13515

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	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13532

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	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13532

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13533

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	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13533

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	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13534

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	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13534

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

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

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

E 3902

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 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 03/31/25

E3917

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 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

E 3929

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

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

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

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

avantor™ | J.T.Baker®

M6151

R-> 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

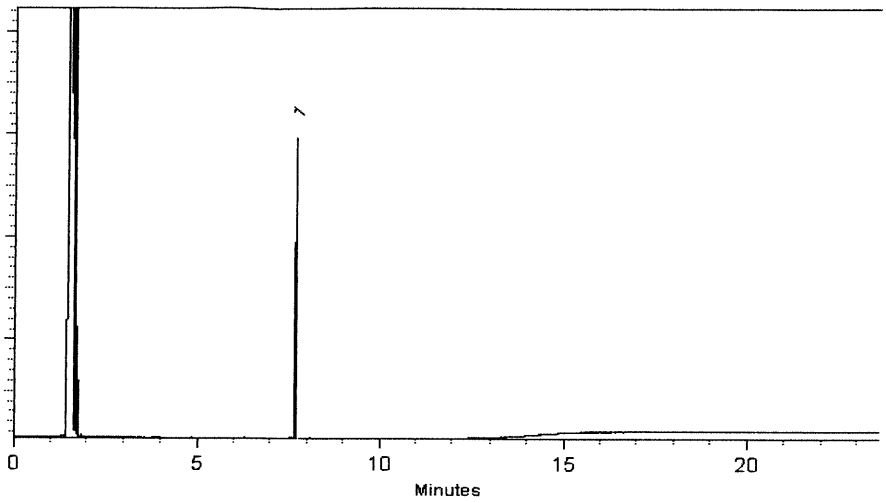
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 111177 to P 111186

AR 11/02/21

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323	µg/mL	Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182	µg/mL	Unstressed
	Purity 99%		+/- 6.8182	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P111177
↓
P111186

AR
11/02/21

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

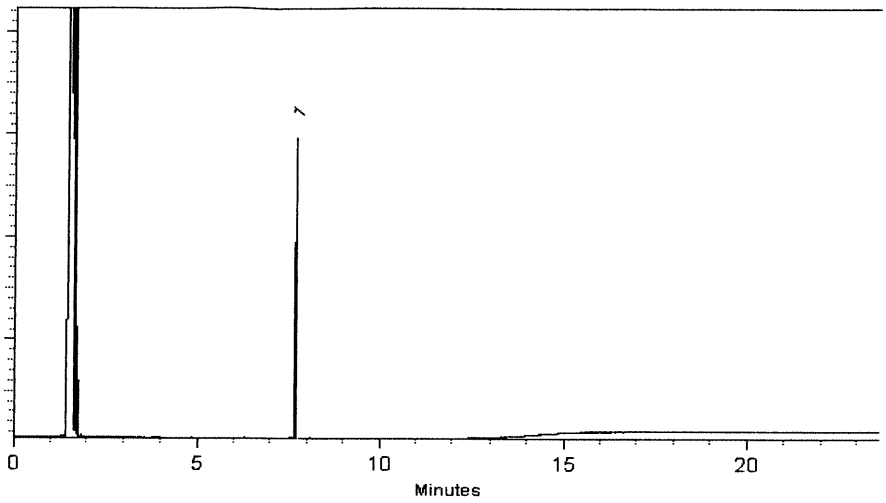
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 111177 to P 111186

AR 11/02/21

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323	µg/mL	Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182	µg/mL	Unstressed
	Purity 99%		+/- 6.8182	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P111177
↓
P111186

AR
11/02/21

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12616 (S) → P12620 7/5/2023

Catalog No. : 32062 **Lot No.:** A0155055

Description : Herbicide Mix #4/ME (Methyl Ester)

Herbicide Mix #4/ME (Methyl Ester) 200µg/mL, Hexane/Methyl-tert-butyl-ether, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	3,5-Dichlorobenzoic acid methyl ester **CAS #** 2905-67-1 (Lot 3903900) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
2	4-Nitroanisole **CAS #** 100-17-4 (Lot 24765/7) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
3	Pentachloroanisole **CAS #** 1825-21-4 (Lot 7921100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
4	Chloramben methyl ester **CAS #** 7286-84-2 (Lot 6487100) **Purity** 98%	199.9 µg/mL	+/- 1.4176 µg/mL +/- 6.7480 µg/mL +/- 6.7480 µg/mL	Gravimetric Unstressed Stressed
5	Bentazon methyl ester **CAS #** 61592-45-8 (Lot 817100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
6	Picloram methyl ester **CAS #** 14143-55-6 (Lot 386-21B) **Purity** 98%	201.9 µg/mL	+/- 1.4315 µg/mL +/- 6.8141 µg/mL +/- 6.8141 µg/mL	Gravimetric Unstressed Stressed
7	DCPA methyl ester (Chlorthal-dimethyl) **CAS #** 1861-32-1 (Lot 8008700) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed

8	Acifluorfen methyl ester		200.0	µg/mL	+/-	1.4182	µg/mL	Gravimetric
	CAS # 50594-67-7	(Lot 6282300)			+/-	6.7507	µg/mL	Unstressed
	Purity 99%				+/-	6.7507	µg/mL	Stressed

Solvent: Hexane/Methyl-tert-butyl-ether
CAS # 110-54-3/1634-04-4
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

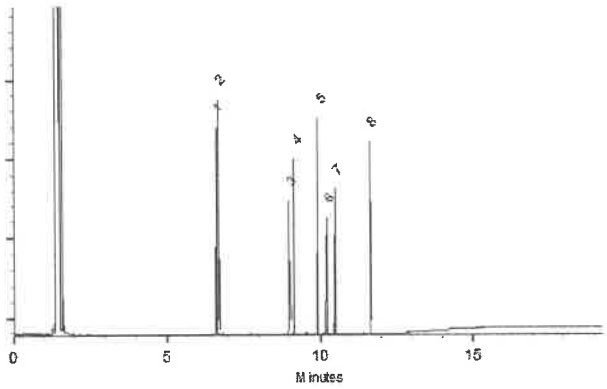
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael J Maye

Justine Albertson - Operations Tech-ARM QC

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Date Passed: 18-Nov-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12626 to P12630 (5)

7/5/2023

Catalog No. : 32055 **Lot No.:** A0192429

Description : Herbicide Mix #1/ME (Methyl Ester)

Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	11705400	99%	201.6 µg/mL	+/- 3.4204
2	Dichlorprop methyl ester	57153-17-0	11672100	99%	201.4 µg/mL	+/- 3.4170
3	2,4-D methyl ester	1928-38-7	10048000	99%	201.2 µg/mL	+/- 3.4136
4	2,4,5-TP (silvex) methyl ester	4841-20-7	6364900	99%	201.2 µg/mL	+/- 3.4136
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	200.7 µg/mL	+/- 3.4052
6	Dinoseb methyl ether	6099-79-2	12914300	99%	200.8 µg/mL	+/- 3.4068
7	2,4-DB methyl ester	18625-12-2	12542000	99%	201.0 µg/mL	+/- 3.4102

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

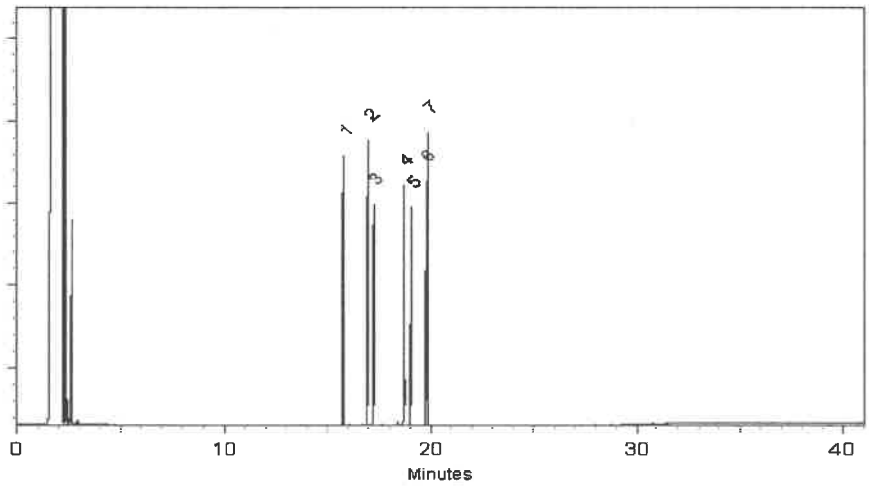
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 09-Dec-2022 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 12-Dec-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 12685 (S)
↓
P 12689

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

7/24/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

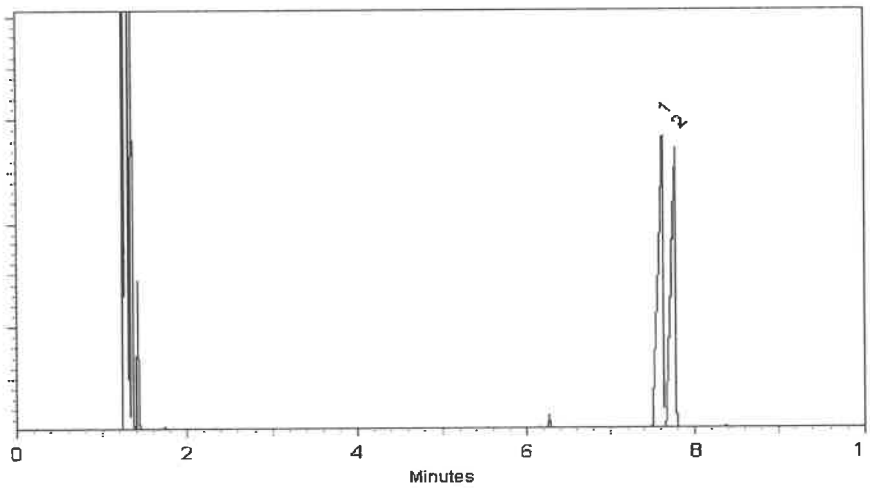
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Agilent

Trusted Answers

P12706 ↓ P12715 (10)

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Product Number: HBM-8151M-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006752480

Lot Issue Date: 18-Jul-2023

Expiration Date: 31-Aug-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen methyl ester	100.3	±	0.5 µg/mL	050594-67-7	RM03058
bentazon methyl derivative	100.2	±	0.5 µg/mL	061592-45-8	RM13829
chloramben methyl ester	100.4	±	0.5 µg/mL	007286-84-2	RM03055
2,4-D methyl ester	100.2	±	0.5 µg/mL	001928-38-7	RM03040
dalapon methyl ester	100.4	±	0.5 µg/mL	017640-02-7	RM14219
2,4-DB methyl ester	100.2	±	0.5 µg/mL	018625-12-2	RM03029
DCPA	100.2	±	0.5 µg/mL	001861-32-1	RM13426
dicamba methyl ester	100.4	±	0.5 µg/mL	006597-78-0	RM03039
methyl-3,5-dichlorobenzoate	100.1	±	0.5 µg/mL	002905-67-1	RM03048
dichlorprop methyl ester	100.4	±	0.5 µg/mL	057153-17-0	NT02086
dinoseb methyl ether	100.5	±	0.5 µg/mL	006099-79-2	RM03051
MCPA methyl ester	10031	±	50 µg/mL	002436-73-9	RM12863
MCPP methyl ester	10031	±	50 µg/mL	023844-56-6	RM20060
4-nitroanisole	100.3	±	0.5 µg/mL	000100-17-4	RM02806
pentachloroanisole	100.4	±	0.5 µg/mL	001825-21-4	RM02457
picloram methyl ester	100.2	±	0.5 µg/mL	014143-55-6	RM03044
silvex methyl ester	100.2	±	0.5 µg/mL	004841-20-7	RM03799
2,4,5-T methyl ester	100.4	±	0.5 µg/mL	001928-37-6	RM03033

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Agilent

Trusted Answers

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20ºC to 25ºC immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

P12706 (10)
↓
P12715

8.15.23

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.

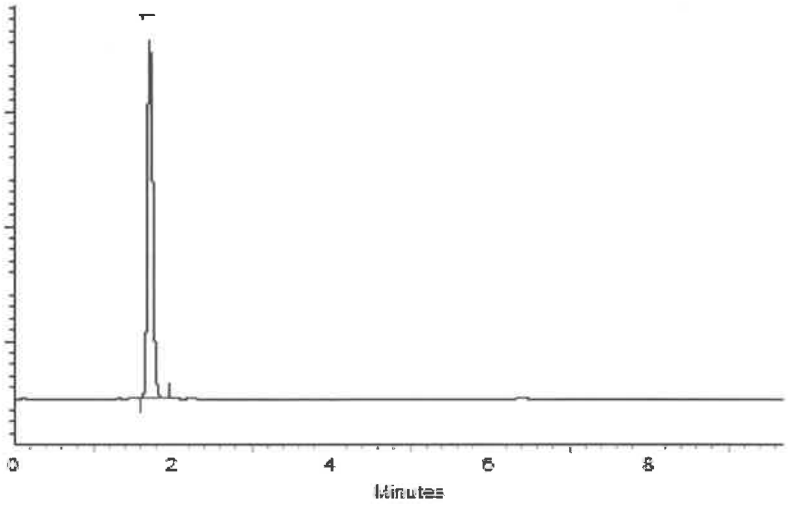
Mobile Phase A:
0.14% H3PO4 in water

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited
Reference Material Producer
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.

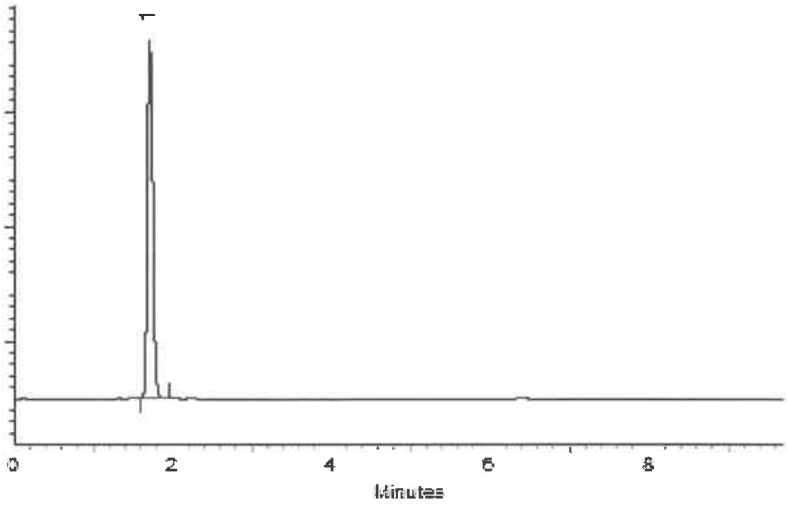
Mobile Phase A:
0.14% H3PO4 in water

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.

(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
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

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.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13520 ↓ P13536 (18)

CSD-QA-015.2

9/4/2024

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

(18)

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13520 ↓ P13536 (18)

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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9/4/2024

SHIPPING DOCUMENTS

Q1883

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page 1 of 1

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	S. Stone

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: Equis edd
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-27-042325	4/23/25	12:45	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-28-042326	4/23/25	12:50	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-29-042327	4/23/25	13:00	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-30-042328	4/23/25	13:15	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-31-042329	4/23/25	13:20	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-32-042330	4/23/25	13:30	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-VSL-18-042325	4/23/25	11:20	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-VSL-19-042326	4/23/25	11:50	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	SO-TB-01-042325	4/23/25	800		SO		3						X								

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: 4/24/25 1310
Received by: (signature)	Date/Time: 4/25/25 0930
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: Other preservative is DI water. DI preserved VOCs were frozen on 4/24/25 @ 0600. Freeze upon receiving.

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments: 3.6°C Adjust Factor +1 IR Run #1

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1883 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 4/25/2025 10:10:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 4/25/2025 9:30:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1883-01	OU4-PCS-TC-27-042325	Solid	04/23/2025	12:45					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-03	OU4-PCS-TC-28-042325	Solid	04/23/2025	12:50					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-05	OU4-PCS-TC-29-042325	Solid	04/23/2025	13:00					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-07	OU4-PCS-TC-30-042325	Solid	04/23/2025	13:15					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-09	OU4-PCS-TC-31-042325	Solid	04/23/2025	13:20					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-11	OU4-PCS-TC-32-042325	Solid	04/23/2025	13:30					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-13	OU4-PCS-18-042325 VSL	Solid	04/23/2025	11:20					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-15	OU4-PCS-19-042325 VSL	Solid	04/23/2025	11:50					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1883 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 4/25/2025 10:10:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 4/25/2025 9:30:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260D	10 Bus. Days	
Q1883-17	SO-TB-01-042325	Solid	04/23/2025	08:00					
					VOCMS Group3		8260D	10 Bus. Days	

Relinguished By : [signature]
Date / Time : 4/25/25 1120

Received By : Sam
Date / Time : 04/25/25 11:20
Storage Area : VOA Refridgerator Room

0846
F22

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:01
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: Apr 23 12:21:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.942	7.467	607.6E6	161.5E6	232.374	221.995
	Target Compounds						
1) T	Dalapon	2.449	2.525	1000.1E6	380.3E6	229.017	208.714
2) T	3,5-DICHL...	6.146	6.463	802.7E6	206.9E6	212.813	205.094
3) T	4-Nitroph...	6.733	7.001	383.7E6	162.2E6	206.288	204.354
5) T	DICAMBA	7.118	7.653	2150.4E6	774.6E6	208.534	196.353
6) T	MCPP	7.295	7.758	112.8E6	31299306	18.132	18.050
7) T	MCPA	7.437	7.988	169.4E6	48918025	19.260	20.374
8) T	DICHLORPROP	7.799	8.348	584.1E6	218.7E6	217.778	210.088
9) T	2,4-D	8.021	8.661	635.4E6	244.2E6	214.810	209.141
10) T	Pentachlo...	8.298	9.163	7828.1E6	4208.5E6	211.528	201.368
11) T	2,4,5-TP ...	8.862	9.542	3080.5E6	1679.9E6	212.416	201.589
12) T	2,4,5-T	9.145	9.947	3136.0E6	1619.8E6	213.126	204.001
13) T	2,4-DB	9.704	10.507	483.4E6	167.7E6	206.590	206.030
14) T	DINOSEB	10.866	10.881	2266.8E6	1229.2E6	211.888	204.977
15) T	Picloram	10.686	11.919	3927.9E6	4718.9E6	208.185	386.108 #
16) T	DCPA	11.167	11.919	3823.9E6	4718.9E6	214.204	402.928 #

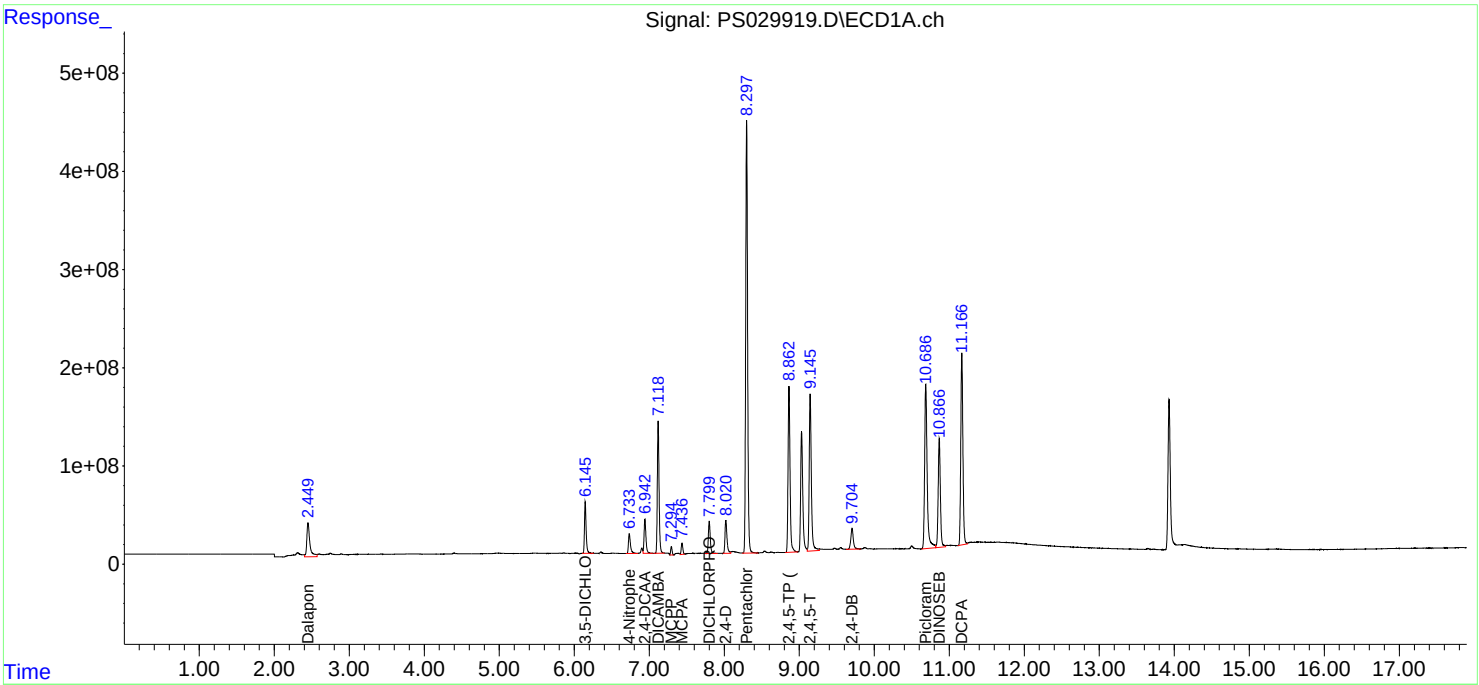
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

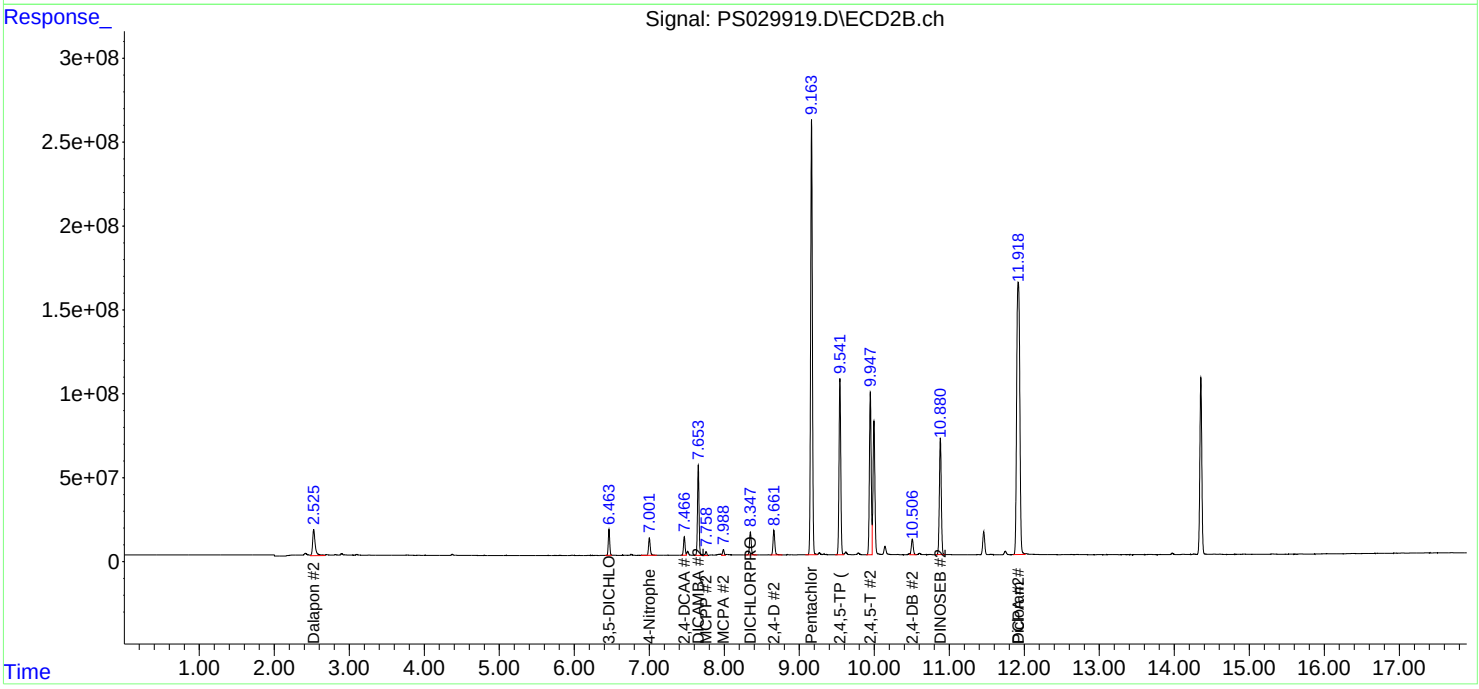
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:01
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

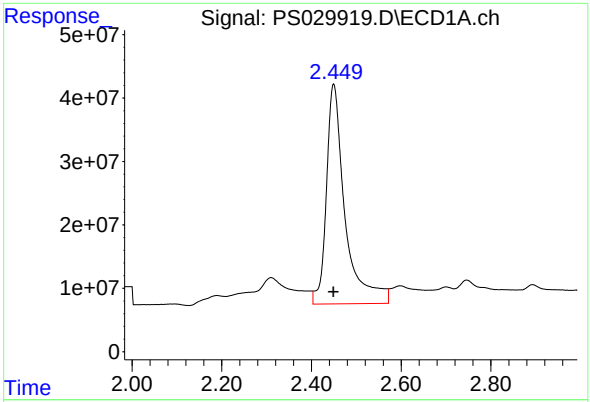
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:21:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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



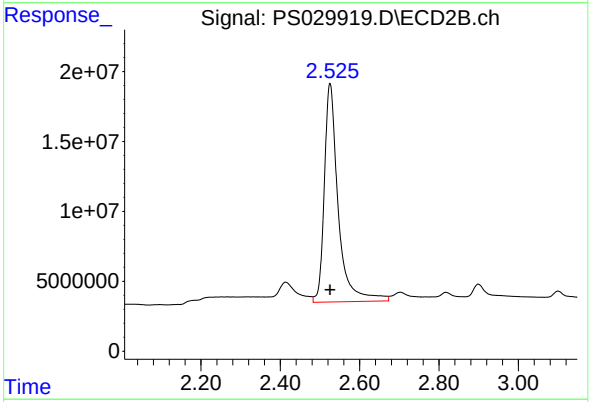




#1 Dalapon

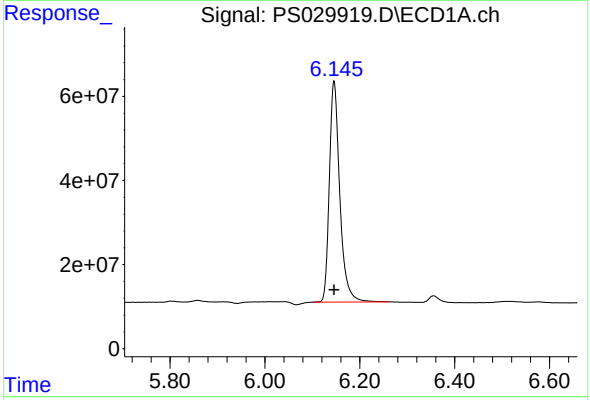
R.T.: 2.449 min
Delta R.T.: 0.000 min
Response: 1000077310
Conc: 229.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



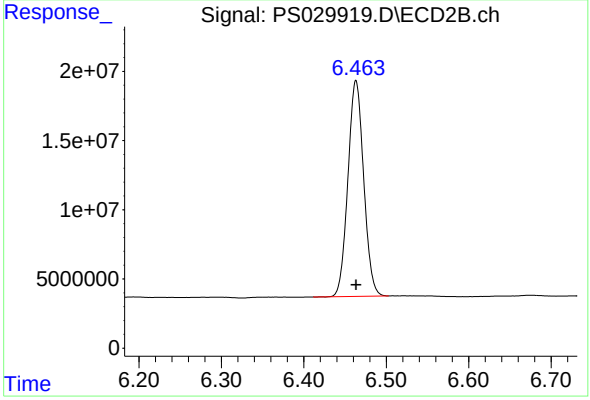
#1 Dalapon

R.T.: 2.525 min
Delta R.T.: 0.000 min
Response: 380305456
Conc: 208.71 ng/ml



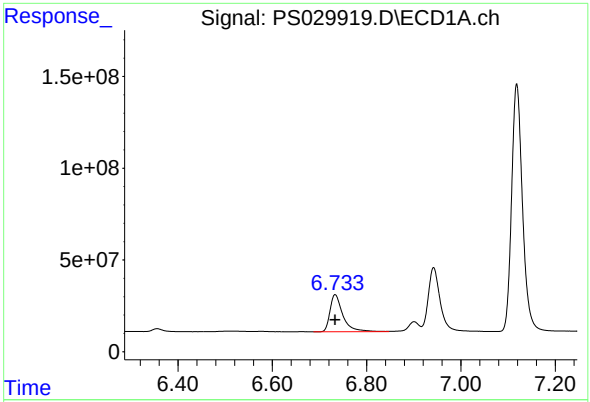
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.146 min
Delta R.T.: 0.000 min
Response: 802682173
Conc: 212.81 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

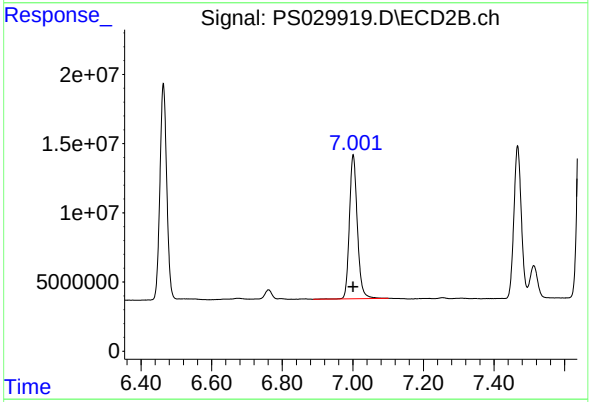
R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 206925954
Conc: 205.09 ng/ml



#3 4-Nitrophenol

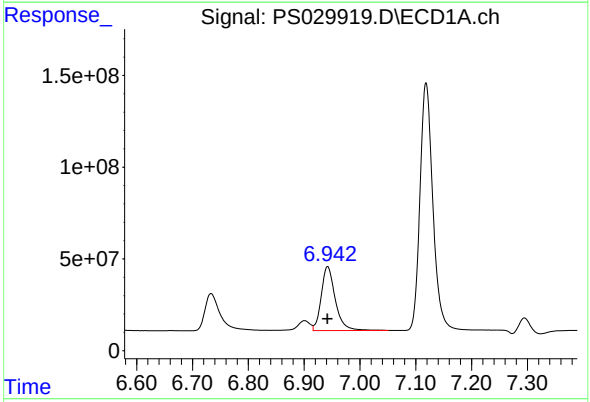
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 383695461
Conc: 206.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



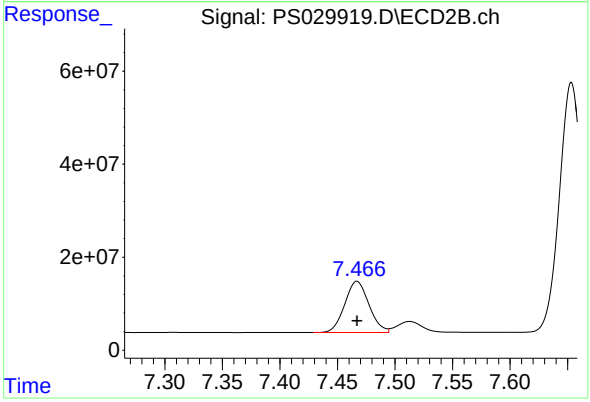
#3 4-Nitrophenol

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 162220636
Conc: 204.35 ng/ml



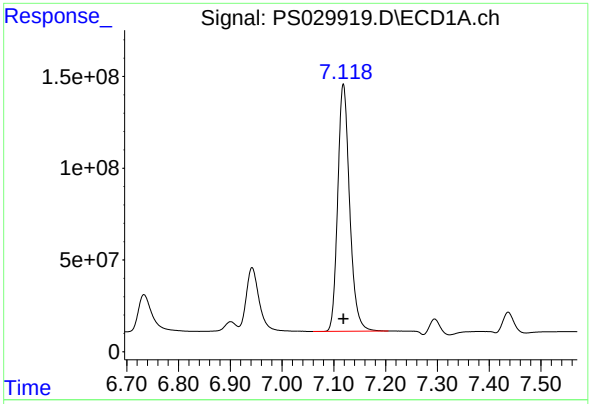
#4 2,4-DCAA

R.T.: 6.942 min
Delta R.T.: 0.000 min
Response: 607649568
Conc: 232.37 ng/ml



#4 2,4-DCAA

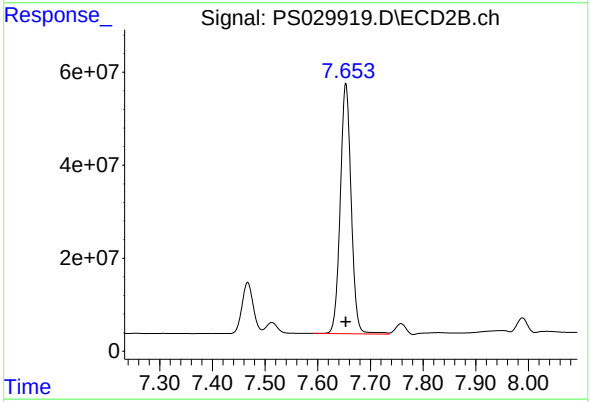
R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 161527736
Conc: 221.99 ng/ml



#5 DICAMBA

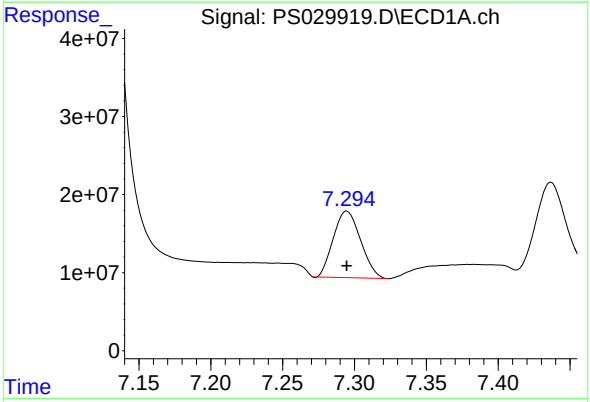
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 2150414141
Conc: 208.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



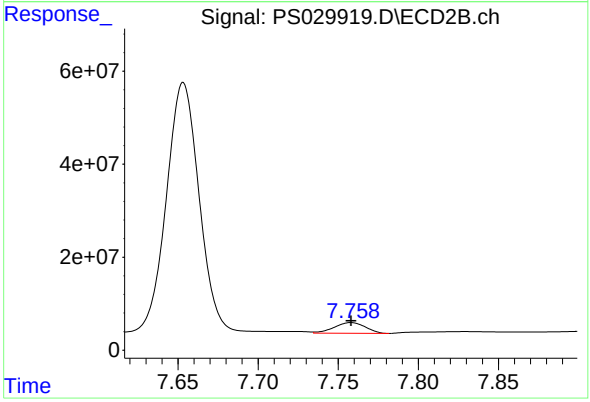
#5 DICAMBA

R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 774585769
Conc: 196.35 ng/ml



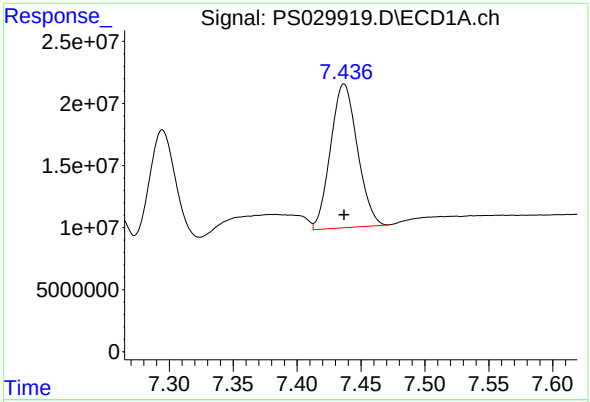
#6 MCPP

R.T.: 7.295 min
Delta R.T.: 0.000 min
Response: 112779199
Conc: 18.13 ug/ml



#6 MCPP

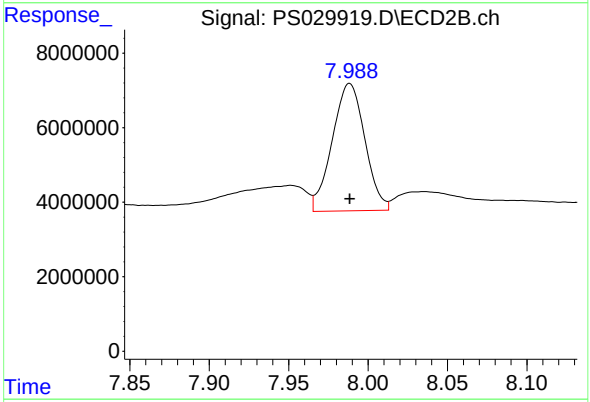
R.T.: 7.758 min
Delta R.T.: 0.000 min
Response: 31299306
Conc: 18.05 ug/ml



#7 MCPA

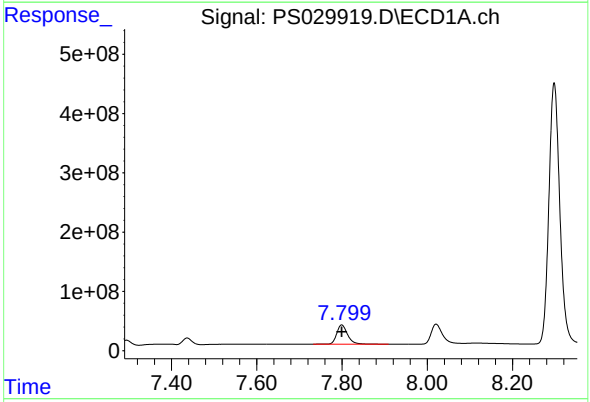
R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 169402932
Conc: 19.26 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



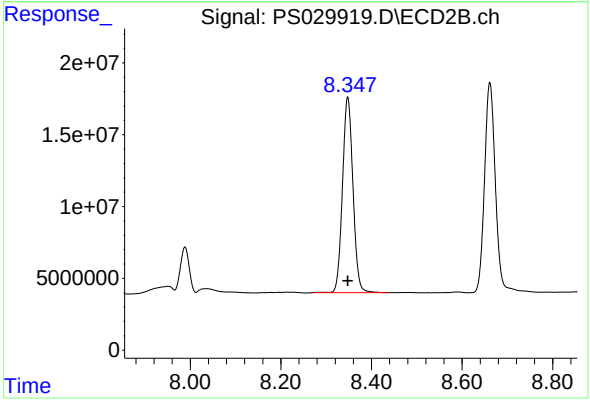
#7 MCPA

R.T.: 7.988 min
Delta R.T.: 0.000 min
Response: 48918025
Conc: 20.37 ug/ml



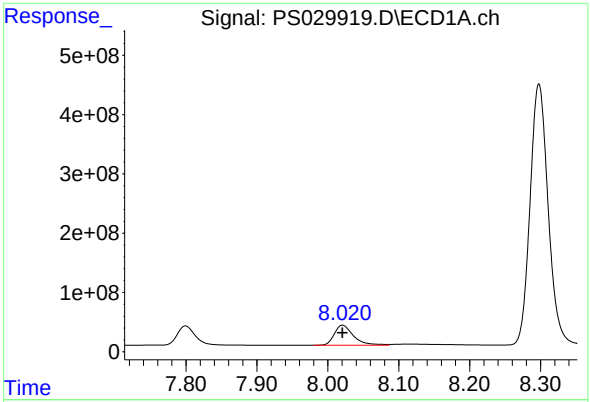
#8 DICHLORPROP

R.T.: 7.799 min
Delta R.T.: 0.000 min
Response: 584067087
Conc: 217.78 ng/ml



#8 DICHLORPROP

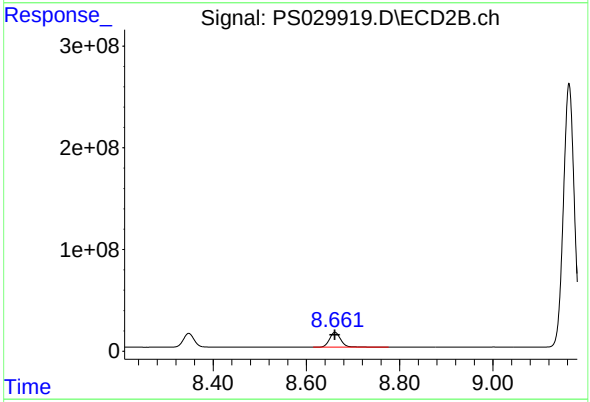
R.T.: 8.348 min
Delta R.T.: 0.000 min
Response: 218723918
Conc: 210.09 ng/ml



#9 2,4-D

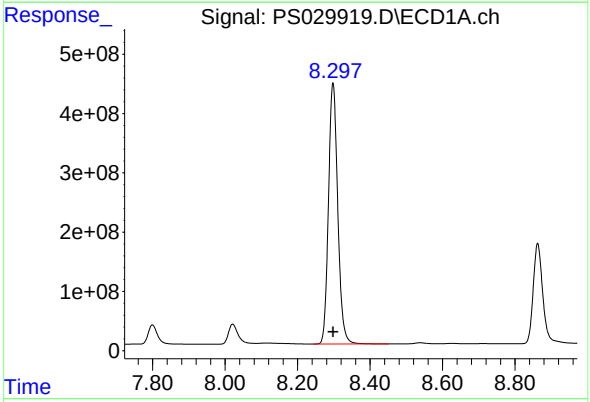
R.T.: 8.021 min
Delta R.T.: 0.000 min
Response: 635351443
Conc: 214.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



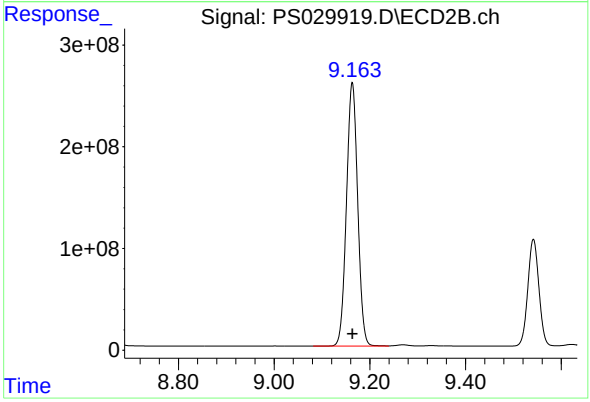
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 244229801
Conc: 209.14 ng/ml



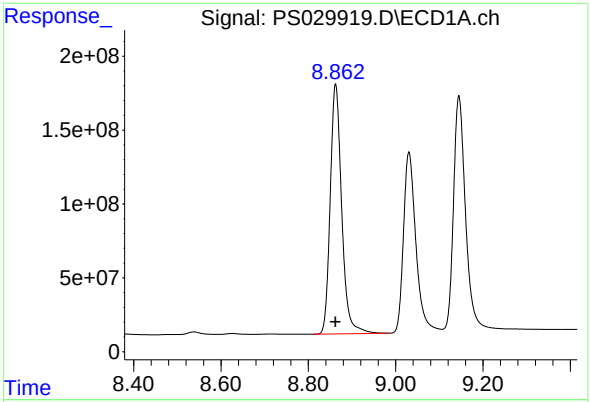
#10 Pentachlorophenol

R.T.: 8.298 min
Delta R.T.: 0.000 min
Response: 7828106091
Conc: 211.53 ng/ml



#10 Pentachlorophenol

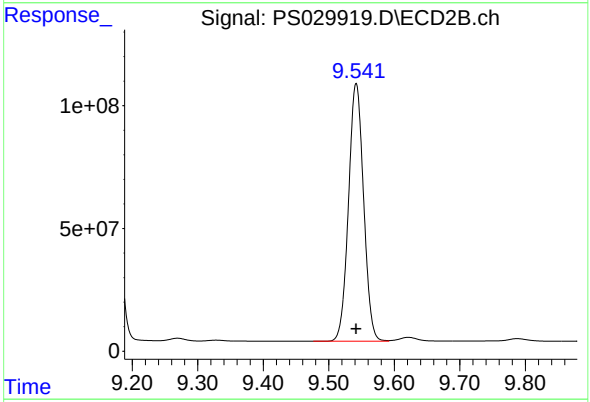
R.T.: 9.163 min
Delta R.T.: 0.000 min
Response: 4208465177
Conc: 201.37 ng/ml



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

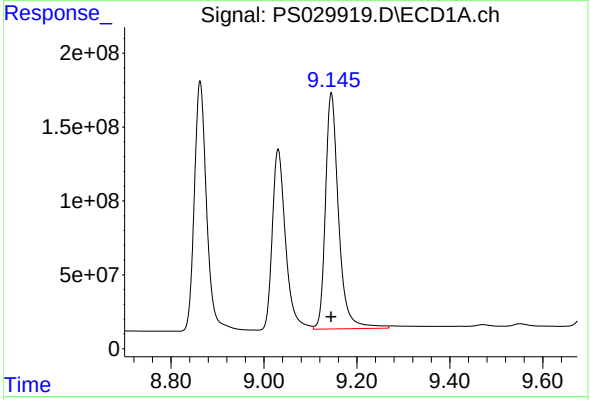
R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 3080510531
Conc: 212.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



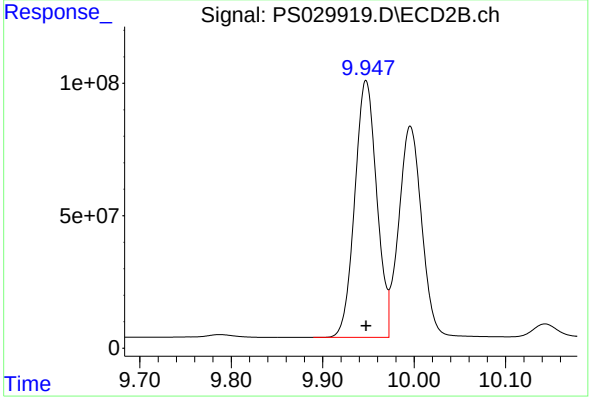
#11 2,4,5-TP (SILVEX)

R.T.: 9.542 min
Delta R.T.: 0.000 min
Response: 1679940962
Conc: 201.59 ng/ml



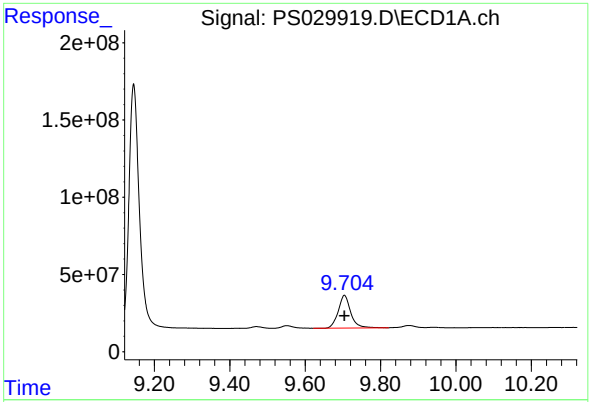
#12 2,4,5-T

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 3136007230
Conc: 213.13 ng/ml



#12 2,4,5-T

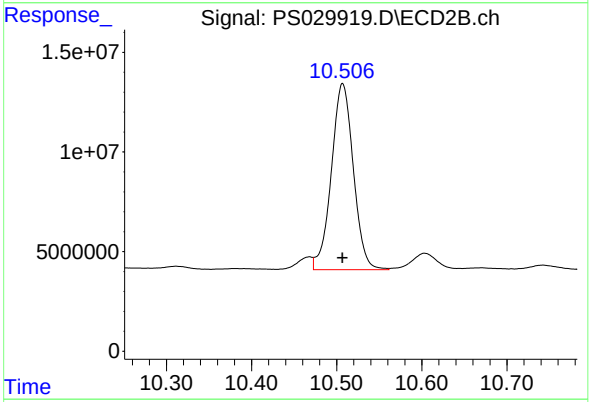
R.T.: 9.947 min
Delta R.T.: 0.000 min
Response: 1619770655
Conc: 204.00 ng/ml



#13 2,4-DB

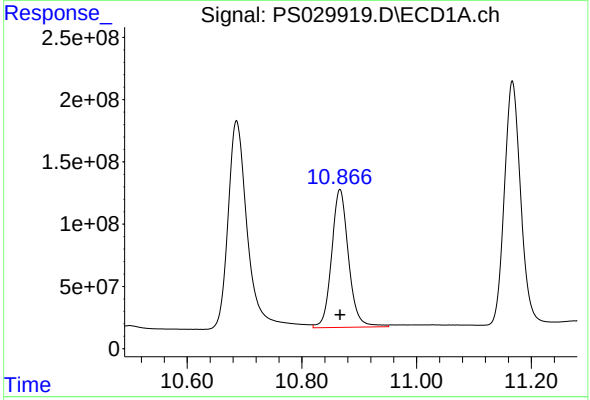
R.T.: 9.704 min
Delta R.T.: 0.000 min
Response: 483428317
Conc: 206.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



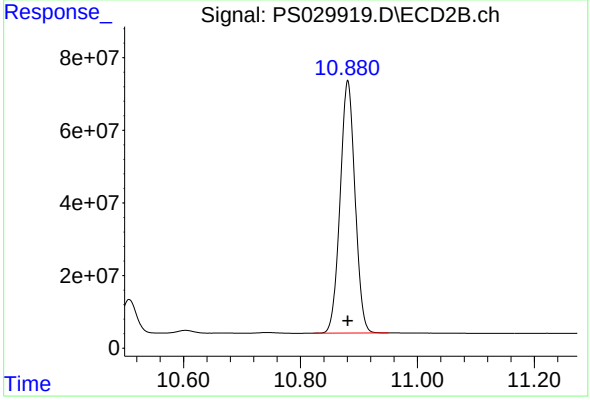
#13 2,4-DB

R.T.: 10.507 min
Delta R.T.: 0.000 min
Response: 167703688
Conc: 206.03 ng/ml



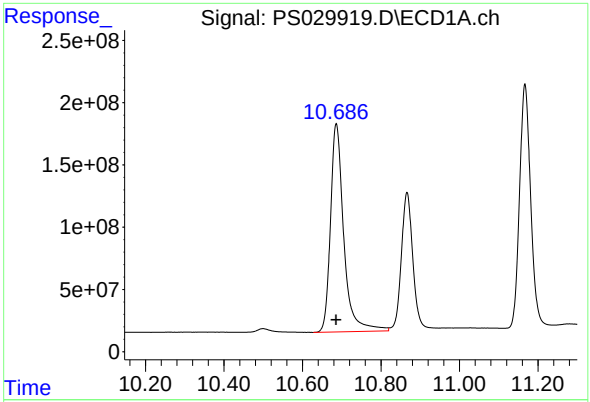
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 2266806582
Conc: 211.89 ng/ml



#14 DINOSEB

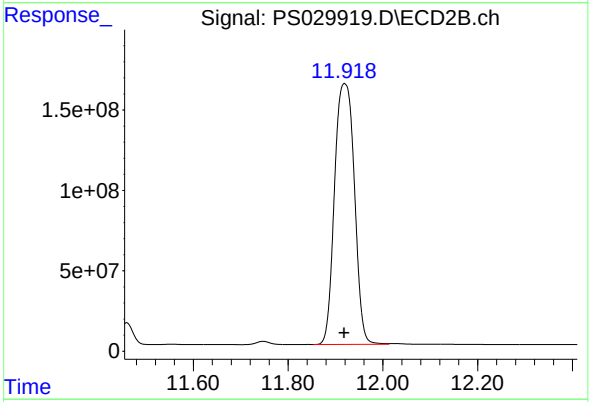
R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 1229173921
Conc: 204.98 ng/ml



#15 Picloram

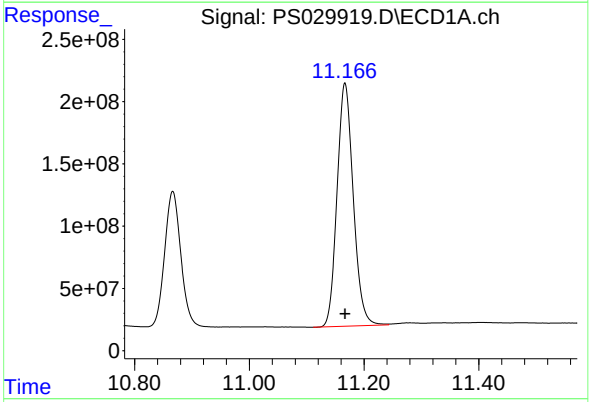
R.T.: 10.686 min
Delta R.T.: 0.000 min
Response: 3927930714
Conc: 208.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



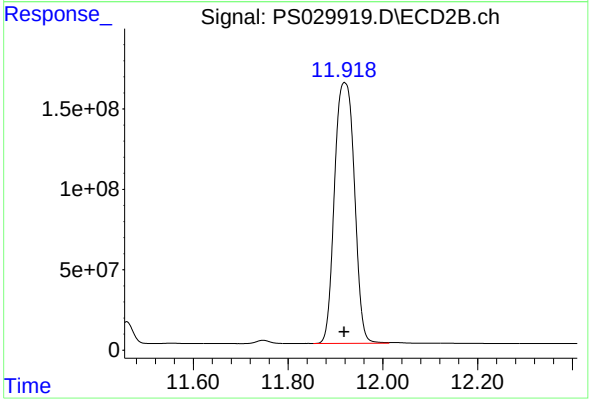
#15 Picloram

R.T.: 11.919 min
Delta R.T.: 0.000 min
Response: 4718859422
Conc: 386.11 ng/ml



#16 DCPA

R.T.: 11.167 min
Delta R.T.: 0.000 min
Response: 3823873526
Conc: 214.20 ng/ml



#16 DCPA

R.T.: 11.919 min
Delta R.T.: 0.000 min
Response: 4718859422
Conc: 402.93 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:25
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: Apr 23 12:18:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.942	7.467	1231.8E6	346.2E6	512.532	503.455	
	Target Compounds							
1) T	Dalapon	2.449	2.525	1929.5E6	780.3E6	468.186	462.137	
2) T	3,5-DICHL...	6.146	6.463	1662.7E6	449.2E6	475.061	469.317	
3) T	4-Nitroph...	6.733	7.001	802.3E6	342.6E6	462.200	459.862	
5) T	DICAMBA	7.118	7.653	4642.9E6	1792.4E6	476.252	464.683	
6) T	MCPP	7.296	7.759	290.7E6	82241844	45.918	46.500	
7) T	MCPA	7.438	7.990	399.1E6	105.5E6	46.188	46.156	
8) T	DICHLORPROP	7.799	8.347	1186.8E6	464.3E6	480.564	473.759	
9) T	2,4-D	8.020	8.661	1315.0E6	523.2E6	478.744	474.742	
10) T	Pentachlo...	8.297	9.164	16887.6E6	9661.5E6	483.734	476.543	
11) T	2,4,5-TP ...	8.862	9.542	6584.5E6	3838.6E6	482.498	475.108	
12) T	2,4,5-T	9.145	9.948	6674.4E6	3641.9E6	482.992	476.224	
13) T	2,4-DB	9.703	10.507	1071.1E6	362.7E6	478.618	465.162	
14) T	DINOSEB	10.866	10.881	4764.3E6	2699.3E6	475.549	471.423	
15) T	Picloram	10.685	11.922	8585.2E6	11084.9E6	477.895	918.963	#
16) T	DCPA	11.167	11.922	8208.3E6	11084.9E6	488.029	986.265	#

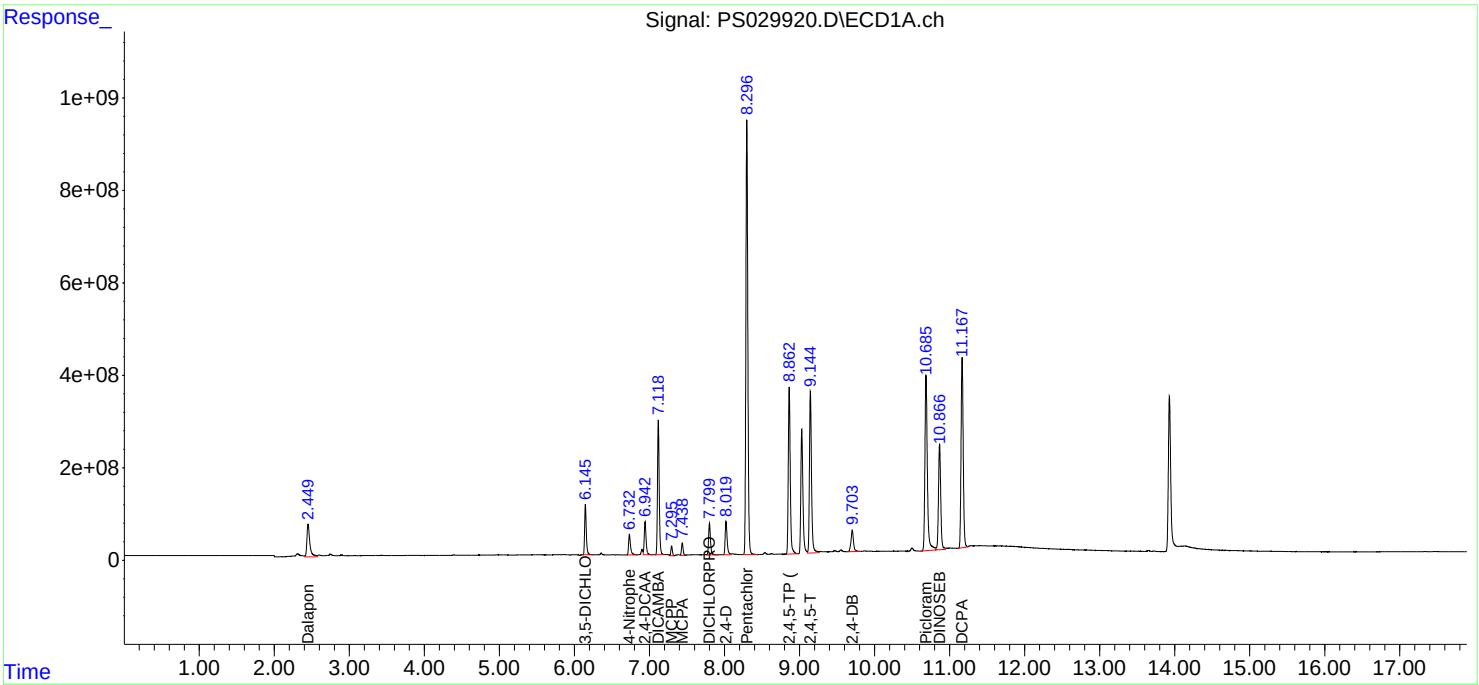
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

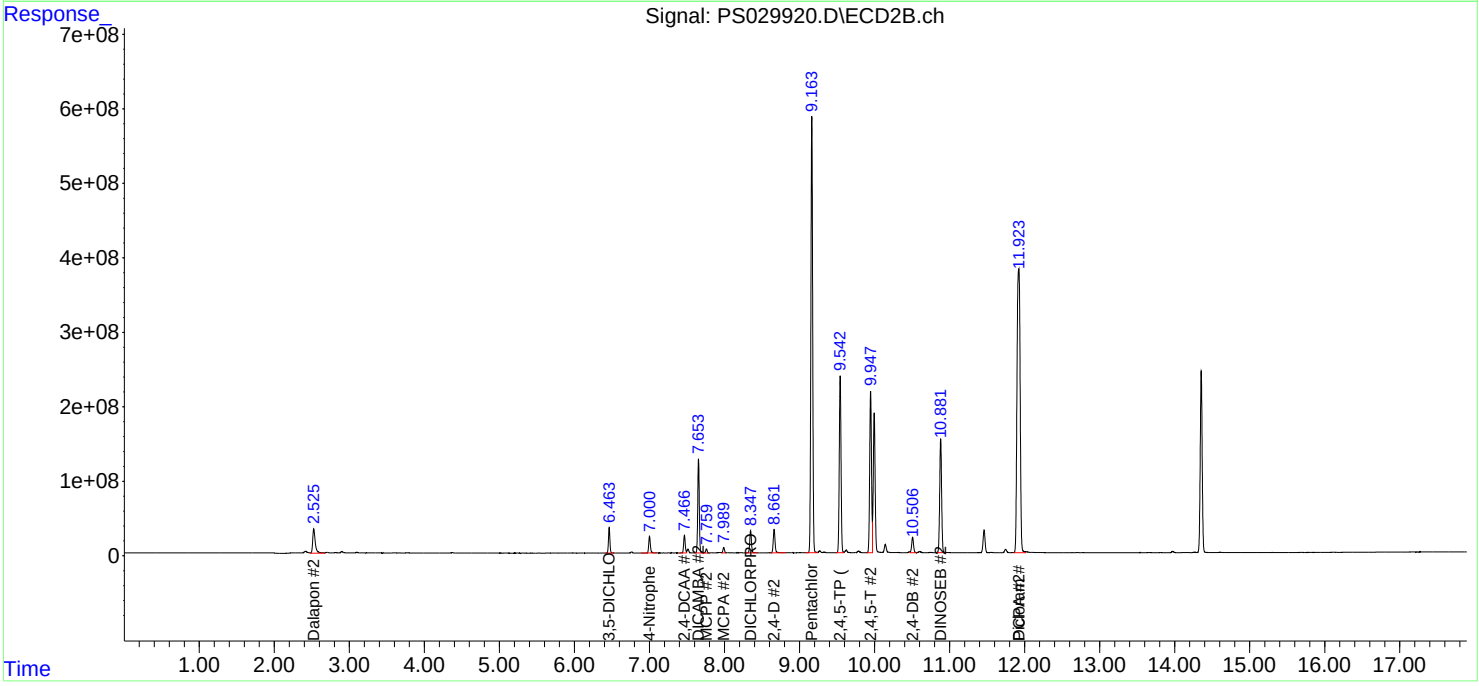
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:25
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

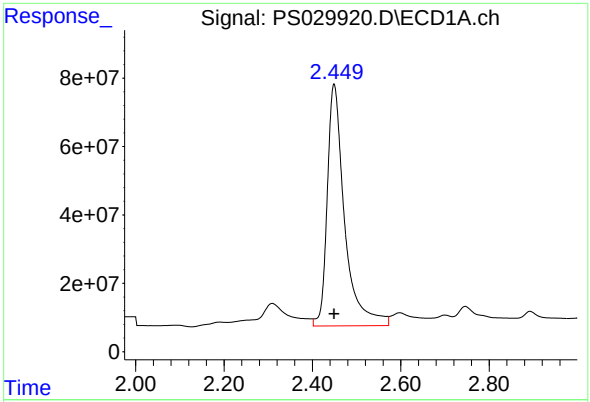
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:18:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #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



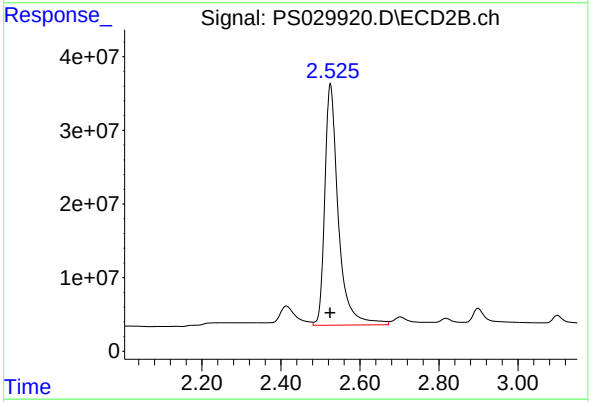




#1 Dalapon

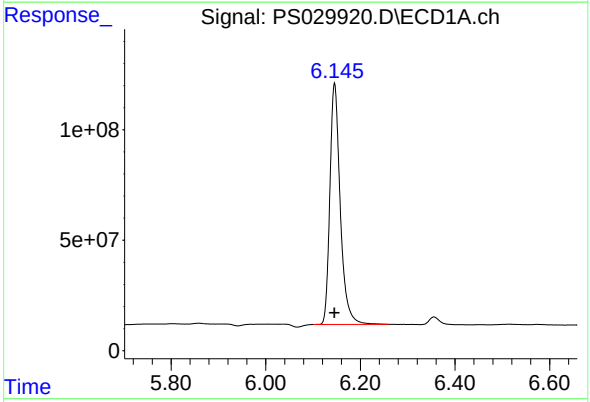
R.T.: 2.449 min
Delta R.T.: 0.000 min
Response: 1929533765
Conc: 468.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



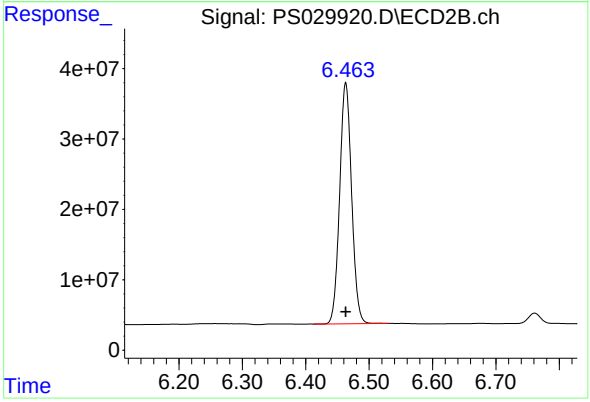
#1 Dalapon

R.T.: 2.525 min
Delta R.T.: 0.000 min
Response: 780277133
Conc: 462.14 ng/ml



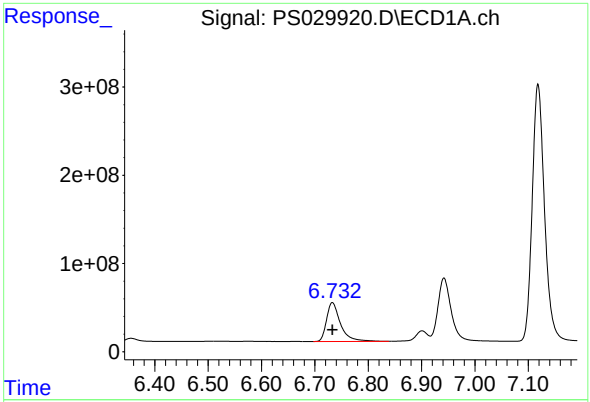
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.146 min
Delta R.T.: 0.000 min
Response: 1662675840
Conc: 475.06 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

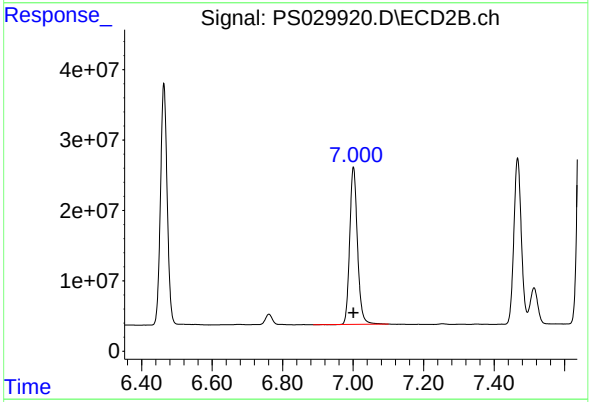
R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 449204324
Conc: 469.32 ng/ml



#3 4-Nitrophenol

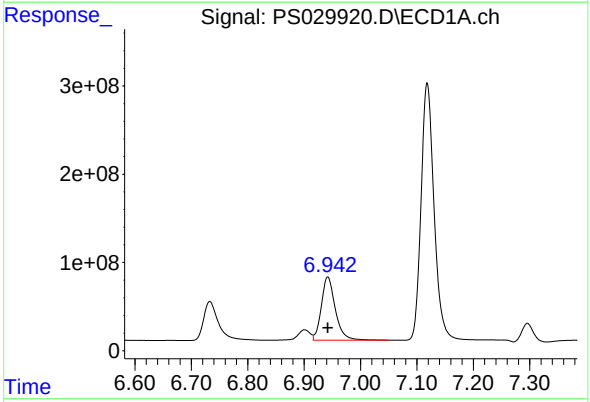
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 802328512
Conc: 462.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



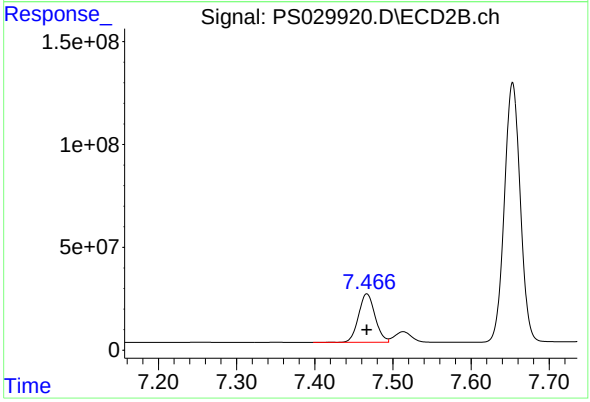
#3 4-Nitrophenol

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 342629938
Conc: 459.86 ng/ml



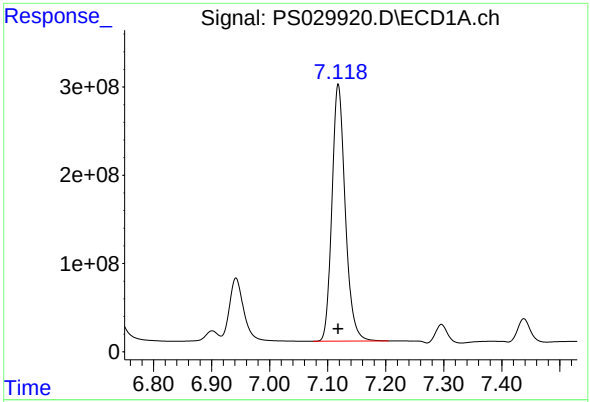
#4 2,4-DCAA

R.T.: 6.942 min
Delta R.T.: 0.000 min
Response: 1231780921
Conc: 512.53 ng/ml



#4 2,4-DCAA

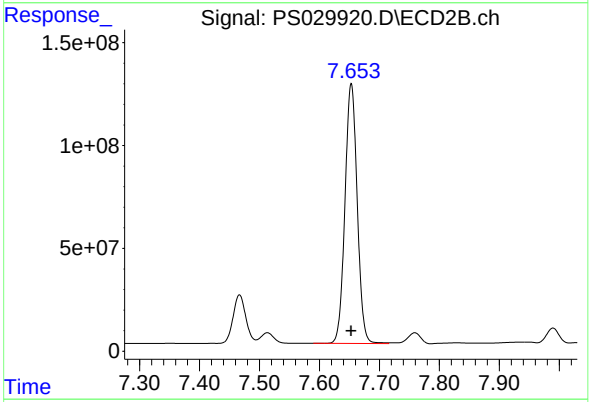
R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 346180636
Conc: 503.46 ng/ml



#5 DICAMBA

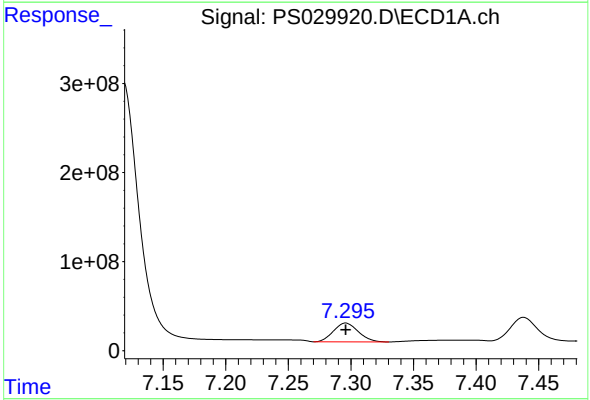
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 4642915948
Conc: 476.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



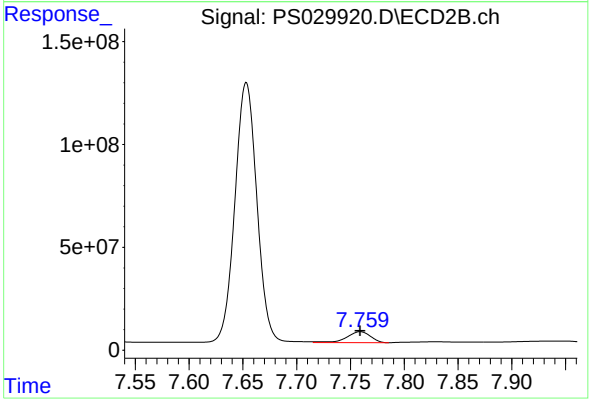
#5 DICAMBA

R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 1792383950
Conc: 464.68 ng/ml



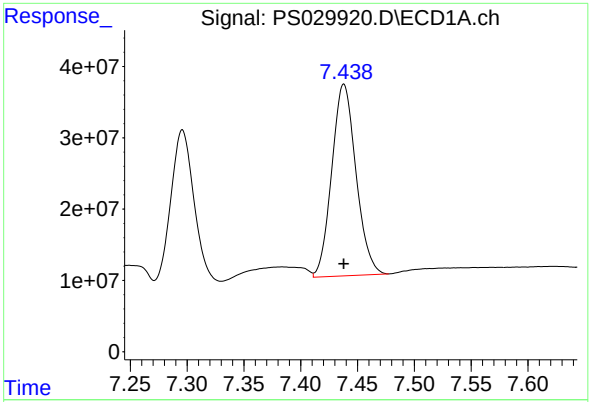
#6 MCPP

R.T.: 7.296 min
Delta R.T.: 0.000 min
Response: 290670931
Conc: 45.92 ug/ml



#6 MCPP

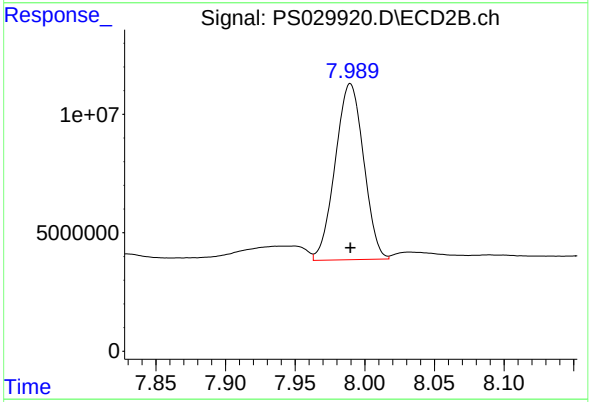
R.T.: 7.759 min
Delta R.T.: 0.000 min
Response: 82241844
Conc: 46.50 ug/ml



#7 MCPA

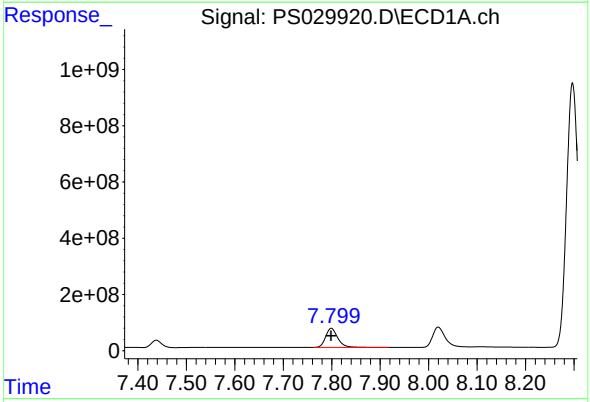
R.T.: 7.438 min
Delta R.T.: 0.000 min
Response: 399051123
Conc: 46.19 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



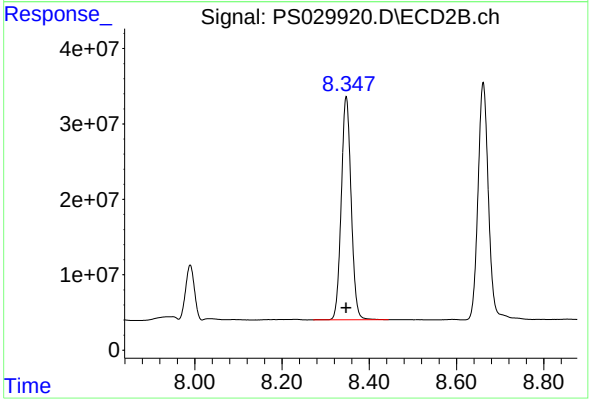
#7 MCPA

R.T.: 7.990 min
Delta R.T.: 0.000 min
Response: 105534297
Conc: 46.16 ug/ml



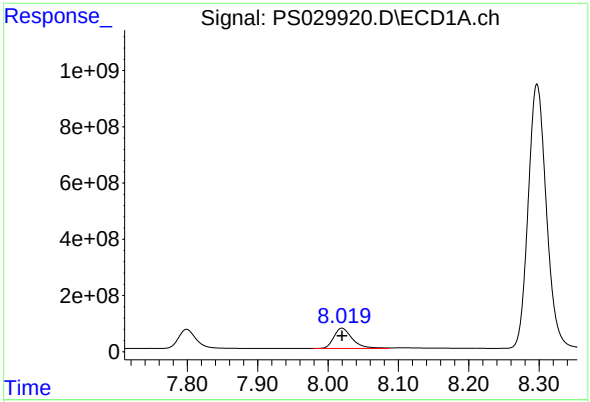
#8 DICHLORPROP

R.T.: 7.799 min
Delta R.T.: 0.000 min
Response: 1186769618
Conc: 480.56 ng/ml



#8 DICHLORPROP

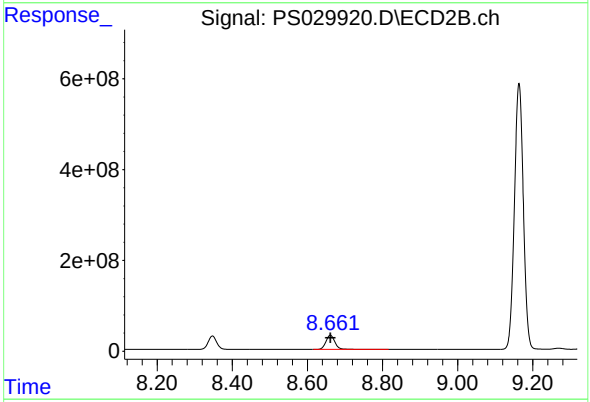
R.T.: 8.347 min
Delta R.T.: 0.000 min
Response: 464258436
Conc: 473.76 ng/ml



#9 2,4-D

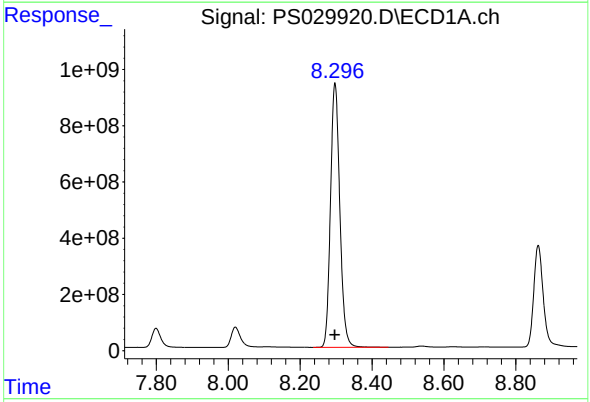
R.T.: 8.020 min
Delta R.T.: 0.000 min
Response: 1315035111
Conc: 478.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



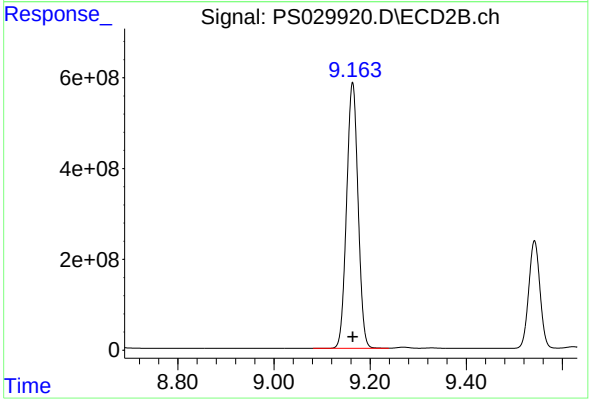
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 523223015
Conc: 474.74 ng/ml



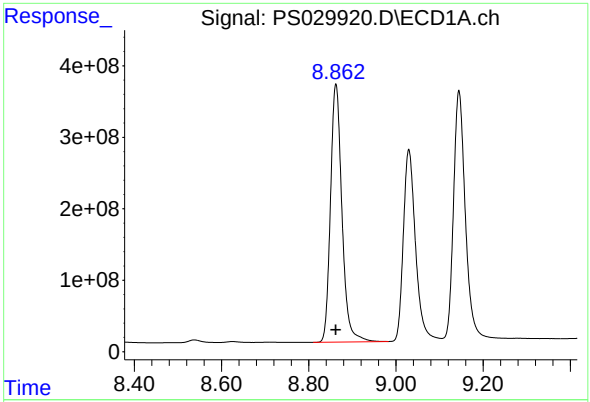
#10 Pentachlorophenol

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 16887638820
Conc: 483.73 ng/ml



#10 Pentachlorophenol

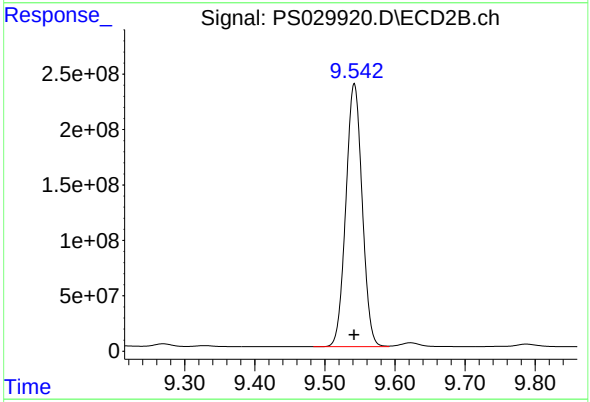
R.T.: 9.164 min
Delta R.T.: 0.000 min
Response: 9661508840
Conc: 476.54 ng/ml



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

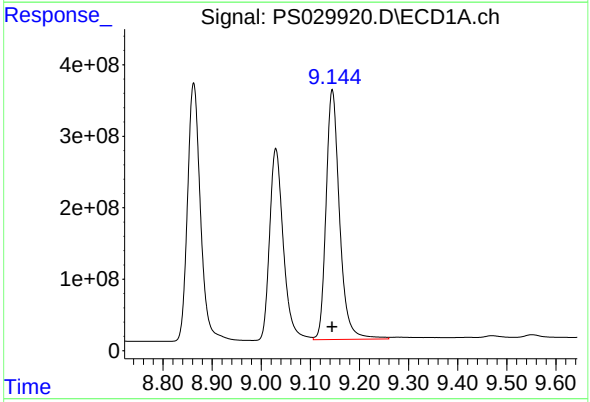
R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 6584545232
Conc: 482.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



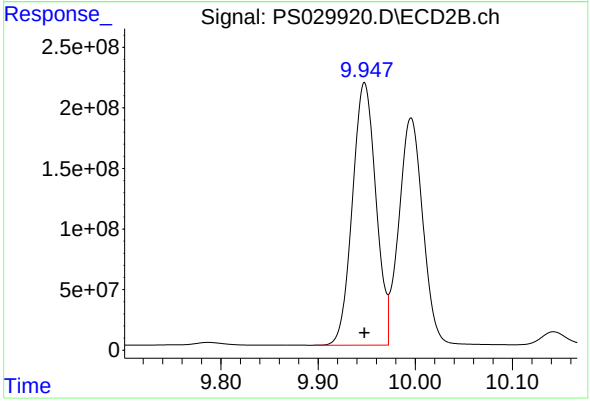
#11 2,4,5-TP (SILVEX)

R.T.: 9.542 min
Delta R.T.: 0.000 min
Response: 3838568800
Conc: 475.11 ng/ml



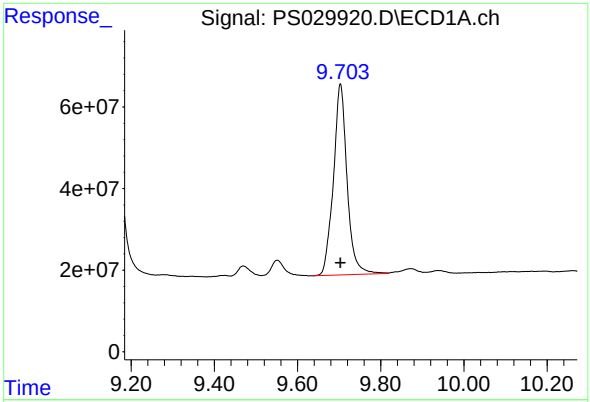
#12 2,4,5-T

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 6674392581
Conc: 482.99 ng/ml



#12 2,4,5-T

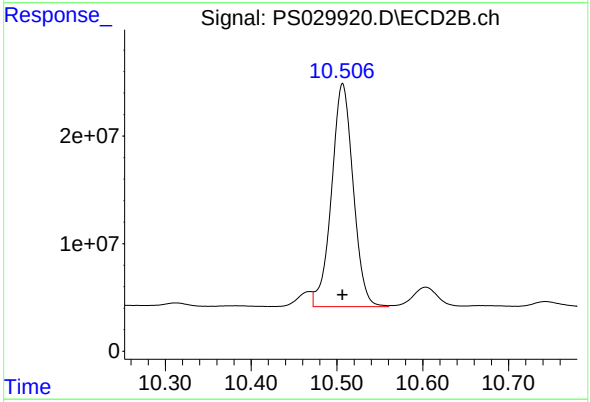
R.T.: 9.948 min
Delta R.T.: 0.000 min
Response: 3641908671
Conc: 476.22 ng/ml



#13 2,4-DB

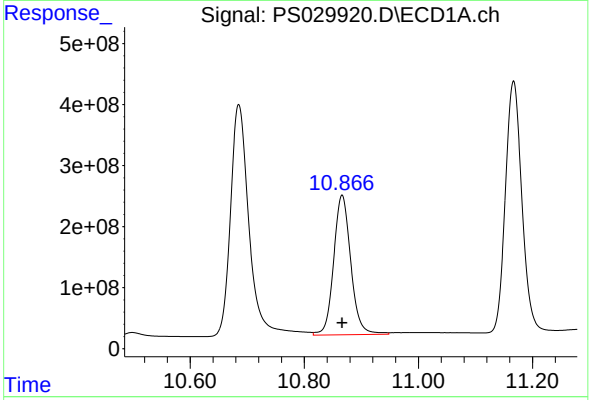
R.T.: 9.703 min
Delta R.T.: 0.000 min
Response: 1071085603
Conc: 478.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



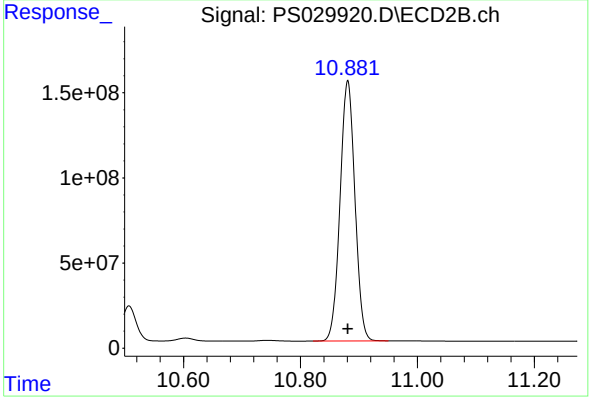
#13 2,4-DB

R.T.: 10.507 min
Delta R.T.: 0.000 min
Response: 362659677
Conc: 465.16 ng/ml



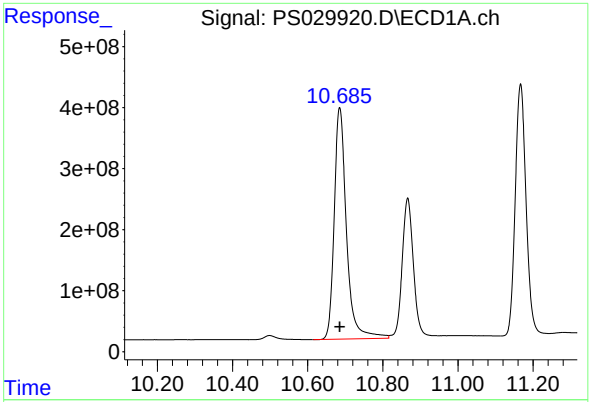
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 4764255395
Conc: 475.55 ng/ml



#14 DINOSEB

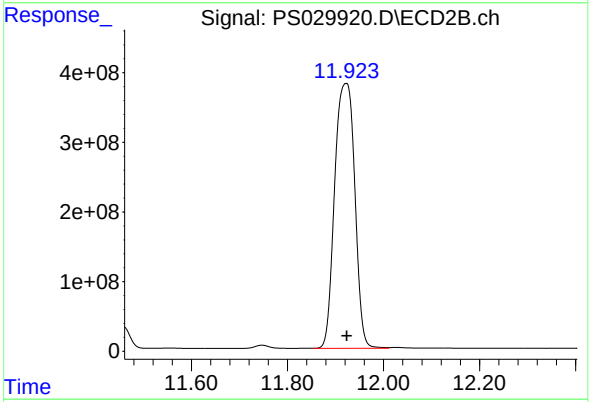
R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 2699322247
Conc: 471.42 ng/ml



#15 Picloram

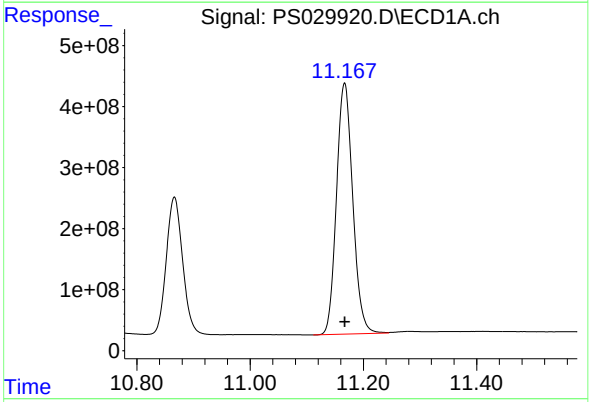
R.T.: 10.685 min
Delta R.T.: 0.000 min
Response: 8585191140
Conc: 477.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



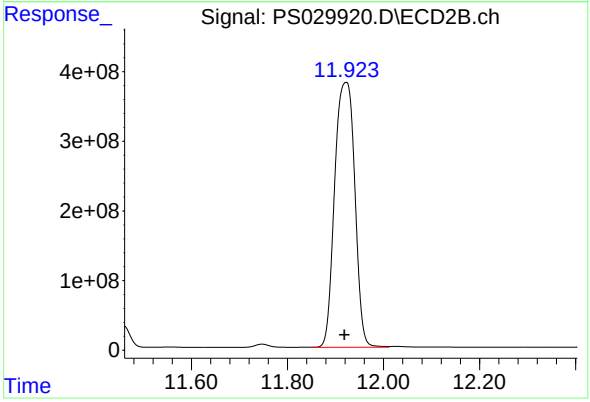
#15 Picloram

R.T.: 11.922 min
Delta R.T.: -0.001 min
Response: 11084895769
Conc: 918.96 ng/ml



#16 DCPA

R.T.: 11.167 min
Delta R.T.: 0.000 min
Response: 8208335626
Conc: 488.03 ng/ml



#16 DCPA

R.T.: 11.922 min
Delta R.T.: 0.004 min
Response: 11084895769
Conc: 986.26 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:49
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: Apr 23 12:13:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.942	7.467	1757.3E6	512.1E6	750.000	750.000
	Target Compounds						
1) T	Dalapon	2.449	2.525	2731.3E6	1134.3E6	682.500	682.500
2) T	3,5-DICHL...	6.146	6.463	2388.4E6	661.4E6	697.500	697.500
3) T	4-Nitroph...	6.732	7.001	1166.0E6	503.1E6	682.500	682.500
5) T	DICAMBA	7.118	7.653	6781.5E6	2750.1E6	705.000	705.000
6) T	MCPP	7.297	7.761	456.6E6	126.0E6	70.500	70.500
7) T	MCPA	7.440	7.991	606.7E6	160.7E6	69.750	69.750
8) T	DICHLORPROP	7.799	8.348	1701.9E6	685.3E6	705.000	705.000
9) T	2,4-D	8.019	8.661	1900.5E6	769.2E6	705.000	705.000
10) T	Pentachlo...	8.297	9.163	24416.7E6	14398.4E6	712.500	712.500
11) T	2,4,5-TP ...	8.862	9.542	9569.8E6	5755.2E6	712.500	712.500
12) T	2,4,5-T	9.144	9.947	9680.3E6	5434.8E6	712.500	712.500
13) T	2,4-DB	9.703	10.507	1582.3E6	567.0E6	712.500	712.500
14) T	DINOSEB	10.866	10.881	6979.6E6	4024.5E6	705.000	705.000
15) T	Picloram	10.685	11.921	12721.8E6	16794.7E6	712.500	1401.728 #
16) T	DCPA	11.166	11.921	11907.4E6	16794.7E6	720.000	1511.632 #

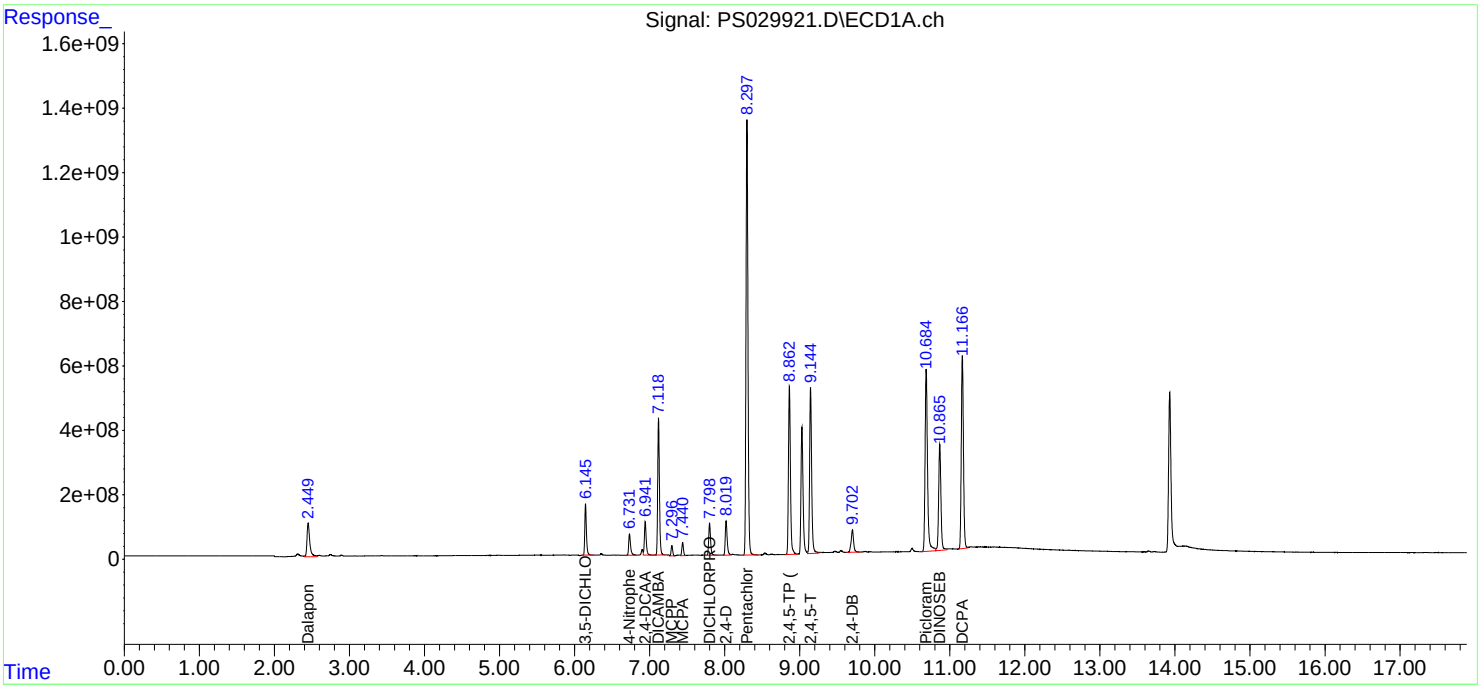
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

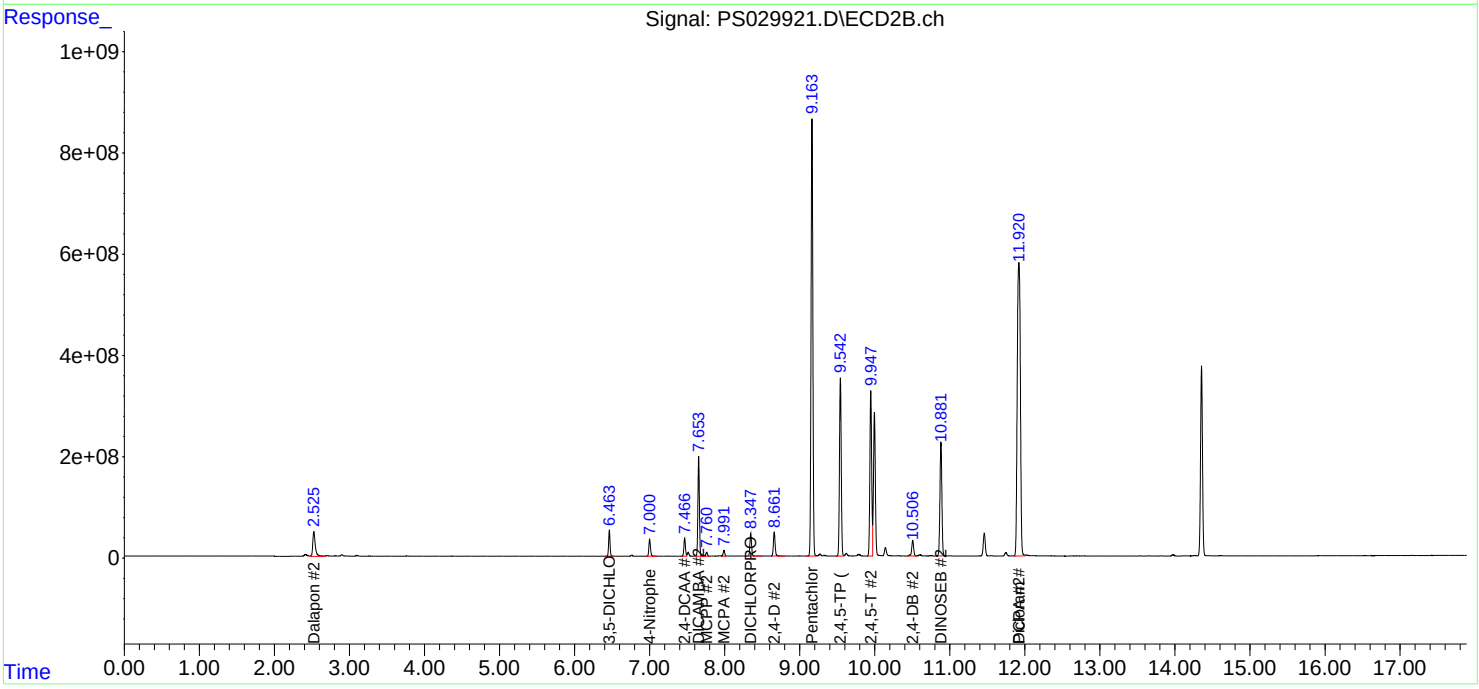
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:49
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

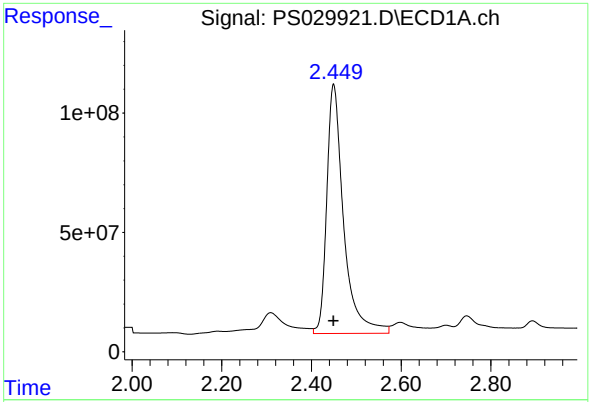
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:13:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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



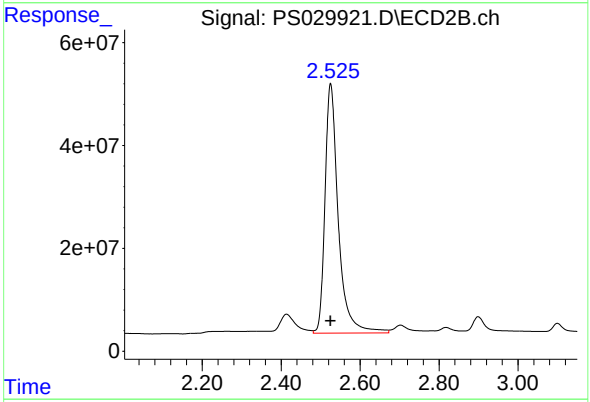




#1 Dalapon

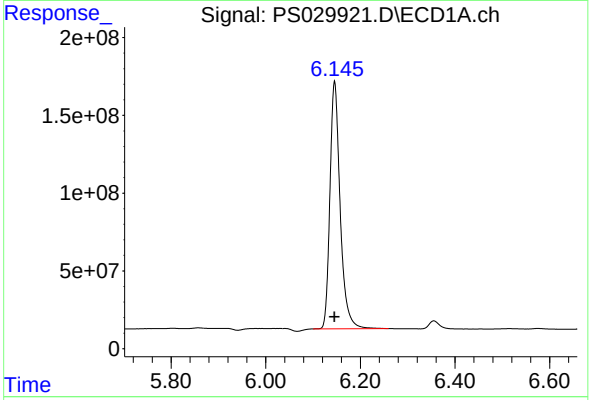
R.T.: 2.449 min
Delta R.T.: 0.000 min
Response: 2731274284
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



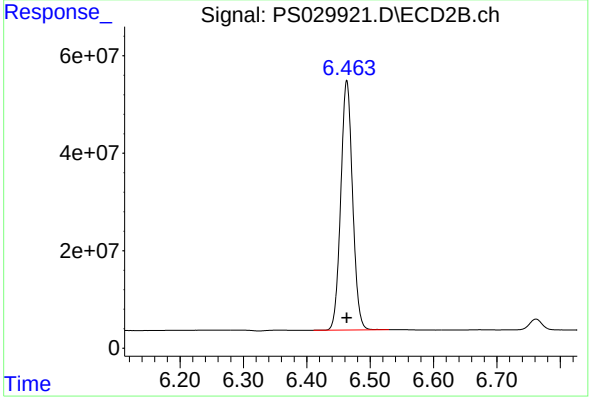
#1 Dalapon

R.T.: 2.525 min
Delta R.T.: 0.000 min
Response: 1134264471
Conc: 682.50 ng/ml



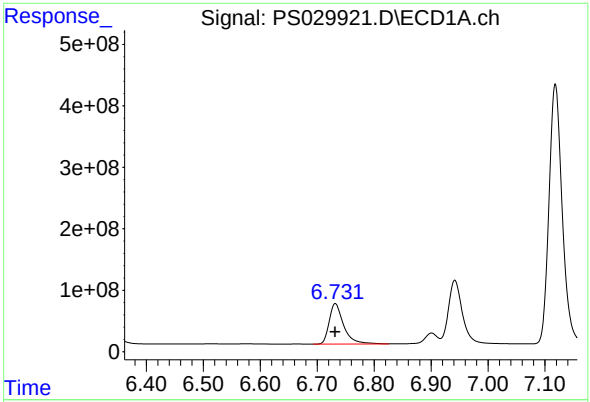
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.146 min
Delta R.T.: 0.000 min
Response: 2388375809
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

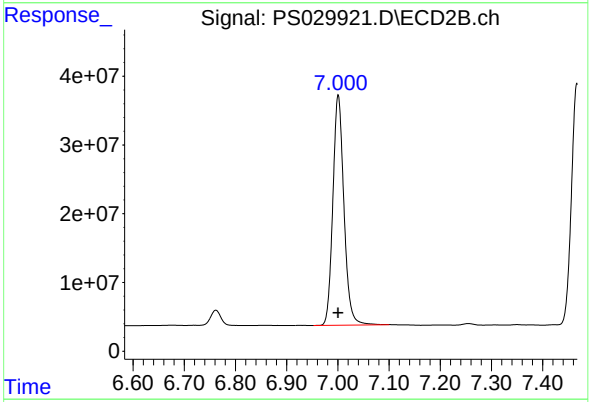
R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 661411771
Conc: 697.50 ng/ml



#3 4-Nitrophenol

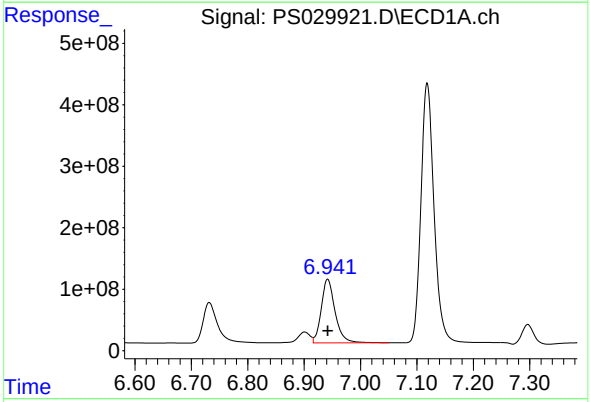
R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 1165994997
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



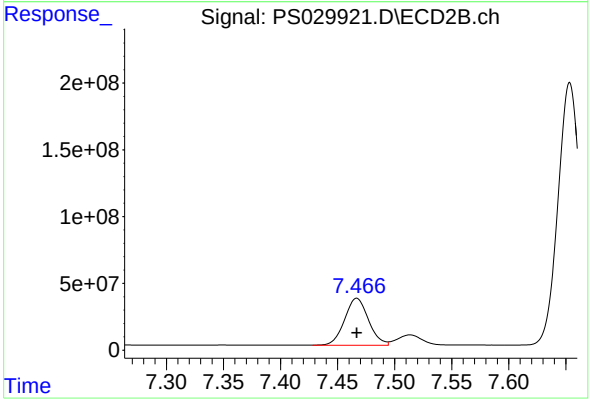
#3 4-Nitrophenol

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 503078374
Conc: 682.50 ng/ml



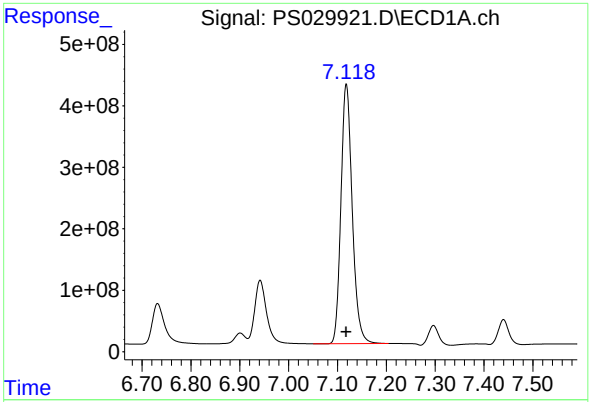
#4 2,4-DCAA

R.T.: 6.942 min
Delta R.T.: 0.000 min
Response: 1757314349
Conc: 750.00 ng/ml



#4 2,4-DCAA

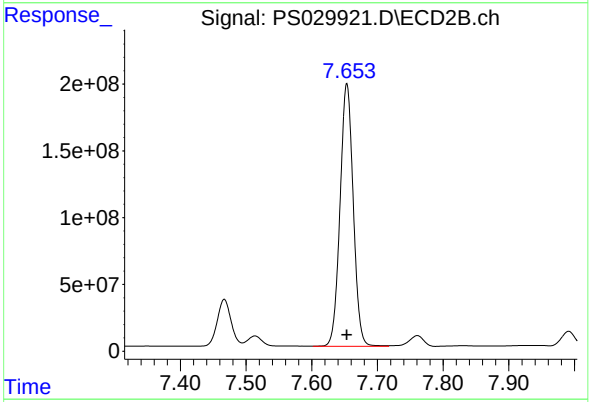
R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 512143835
Conc: 750.00 ng/ml



#5 DICAMBA

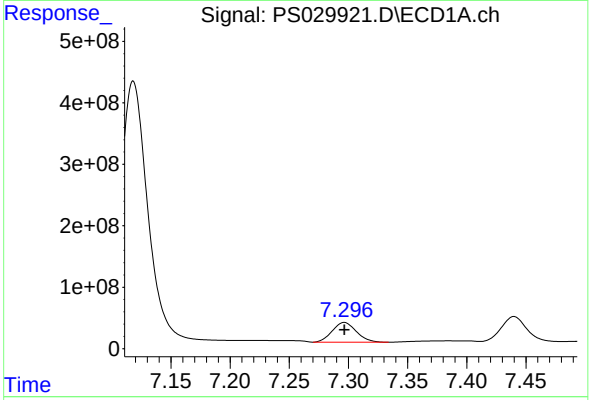
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 6781538346
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



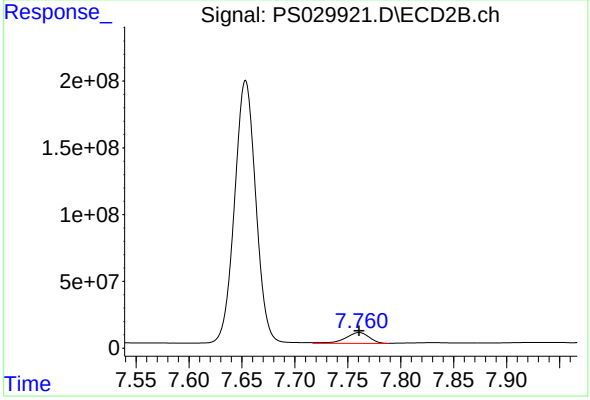
#5 DICAMBA

R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 2750105949
Conc: 705.00 ng/ml



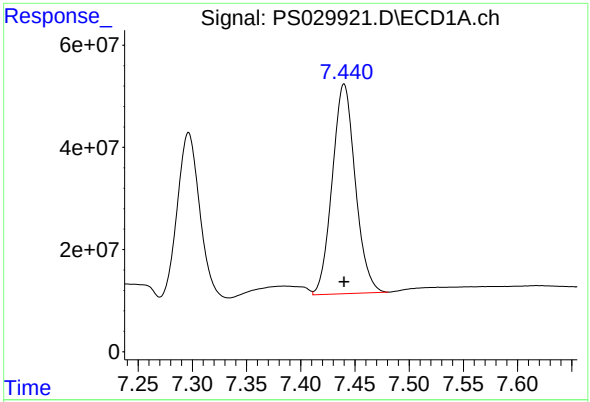
#6 MCPP

R.T.: 7.297 min
Delta R.T.: 0.000 min
Response: 456554341
Conc: 70.50 ug/ml



#6 MCPP

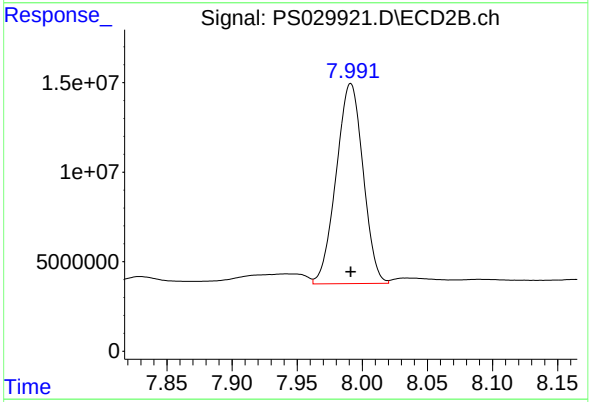
R.T.: 7.761 min
Delta R.T.: 0.000 min
Response: 126016285
Conc: 70.50 ug/ml



#7 MCPA

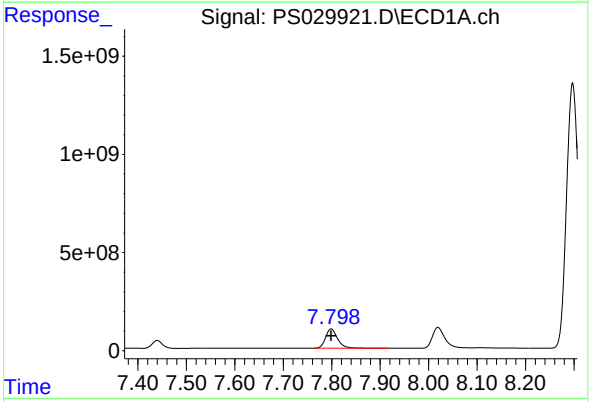
R.T.: 7.440 min
Delta R.T.: 0.000 min
Response: 606675377
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



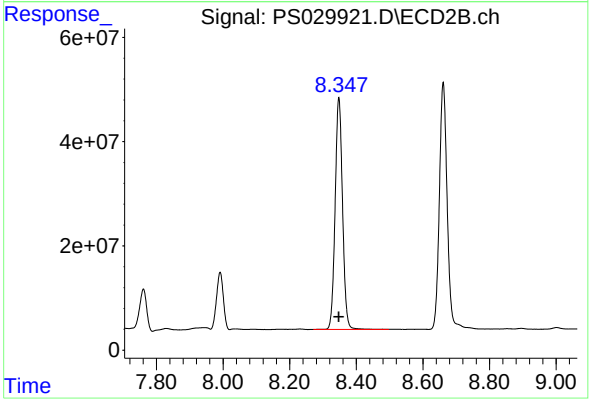
#7 MCPA

R.T.: 7.991 min
Delta R.T.: 0.000 min
Response: 160659432
Conc: 69.75 ug/ml



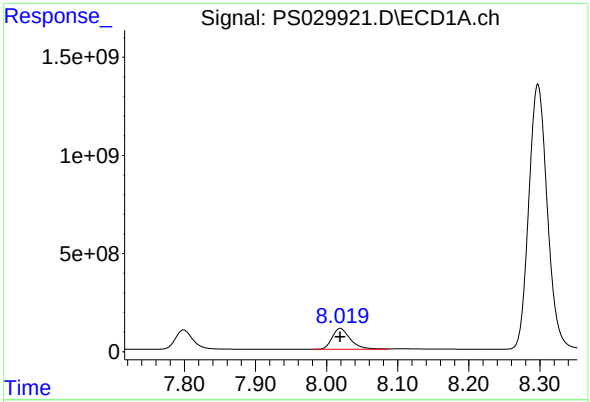
#8 DICHLORPROP

R.T.: 7.799 min
Delta R.T.: 0.000 min
Response: 1701892611
Conc: 705.00 ng/ml



#8 DICHLORPROP

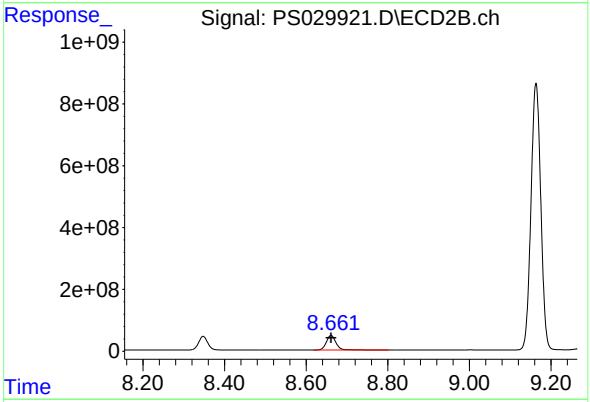
R.T.: 8.348 min
Delta R.T.: 0.000 min
Response: 685337493
Conc: 705.00 ng/ml



#9 2,4-D

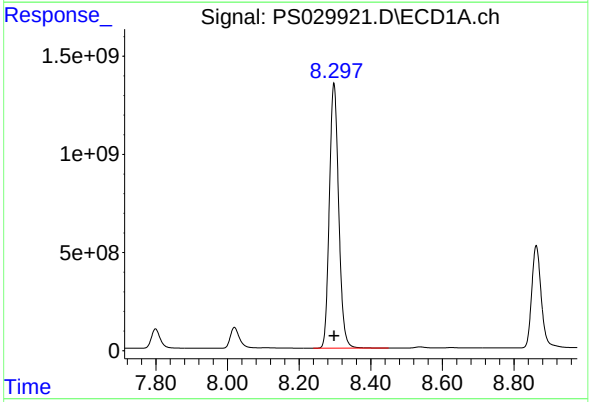
R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 1900496204
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



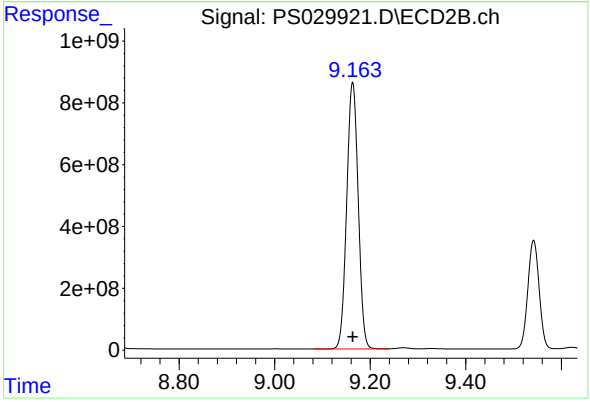
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 769155125
Conc: 705.00 ng/ml



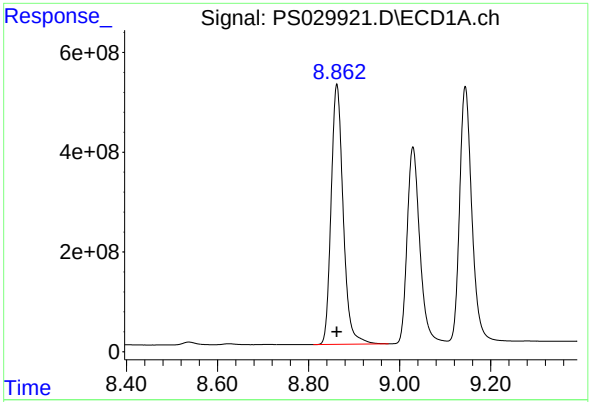
#10 Pentachlorophenol

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 24416691751
Conc: 712.50 ng/ml



#10 Pentachlorophenol

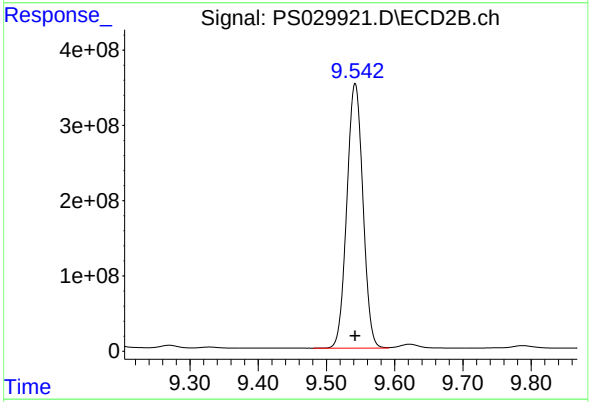
R.T.: 9.163 min
Delta R.T.: 0.000 min
Response: 14398444463
Conc: 712.50 ng/ml



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

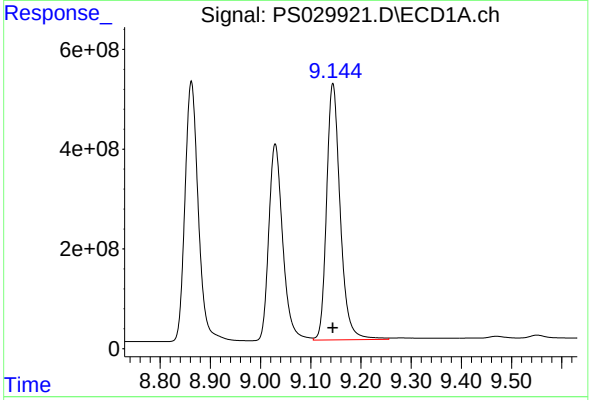
R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 9569830576
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



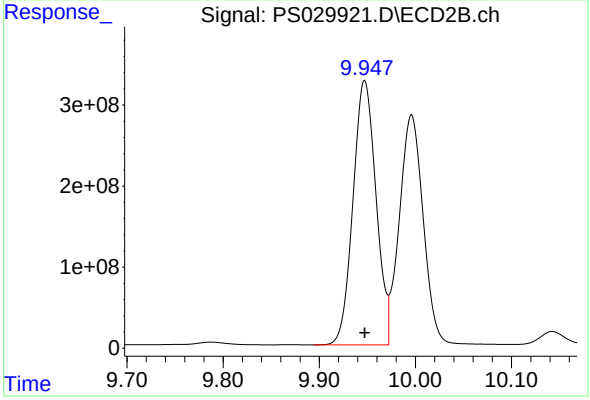
#11 2,4,5-TP (SILVEX)

R.T.: 9.542 min
Delta R.T.: 0.000 min
Response: 5755245929
Conc: 712.50 ng/ml



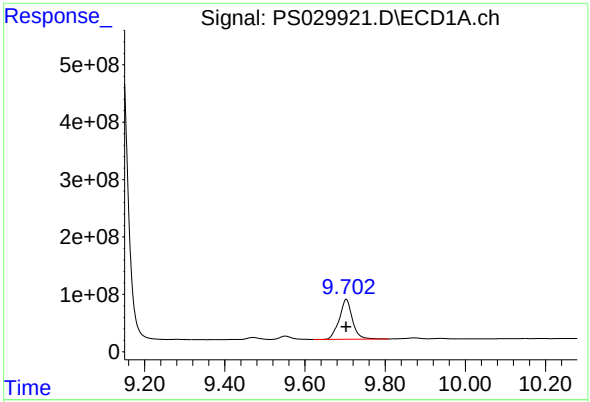
#12 2,4,5-T

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 9680261593
Conc: 712.50 ng/ml



#12 2,4,5-T

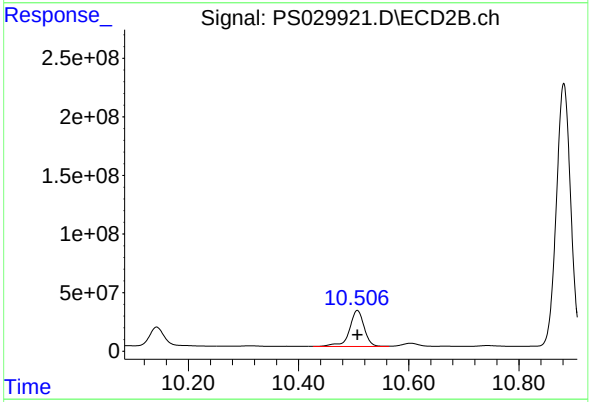
R.T.: 9.947 min
Delta R.T.: 0.000 min
Response: 5434774786
Conc: 712.50 ng/ml



#13 2,4-DB

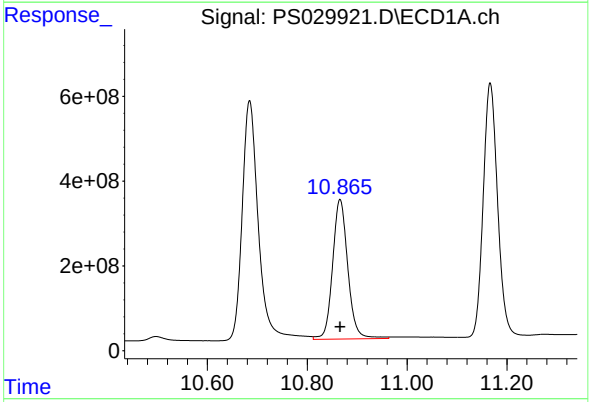
R.T.: 9.703 min
Delta R.T.: 0.000 min
Response: 1582337187
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



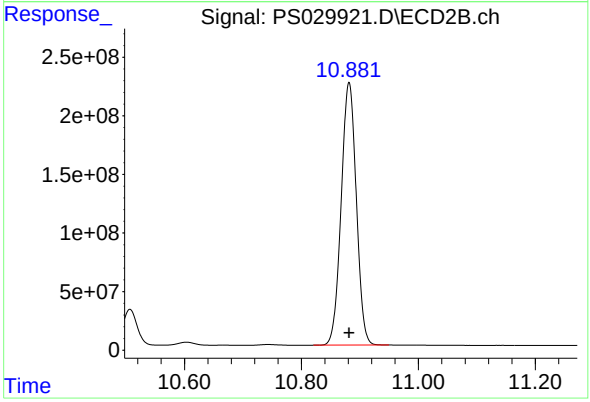
#13 2,4-DB

R.T.: 10.507 min
Delta R.T.: 0.000 min
Response: 567000464
Conc: 712.50 ng/ml



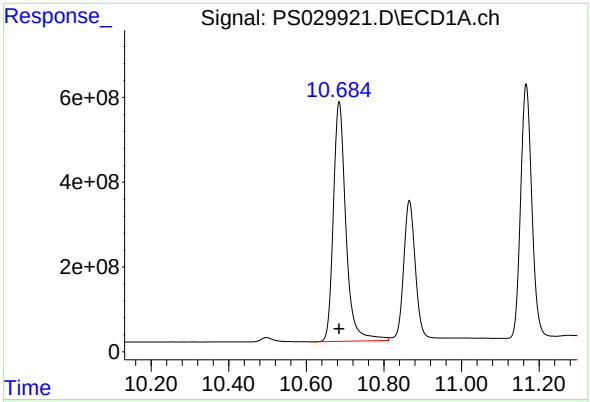
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 6979616298
Conc: 705.00 ng/ml



#14 DINOSEB

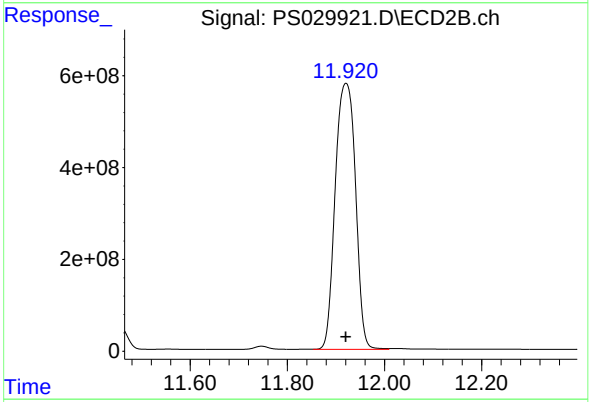
R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 4024544896
Conc: 705.00 ng/ml



#15 Picloram

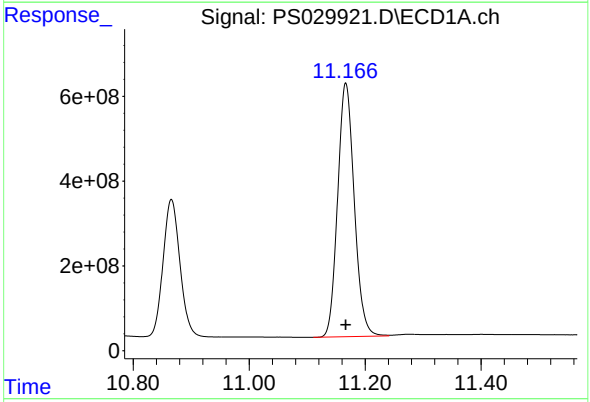
R.T.: 10.685 min
Delta R.T.: 0.000 min
Response: 12721770760
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



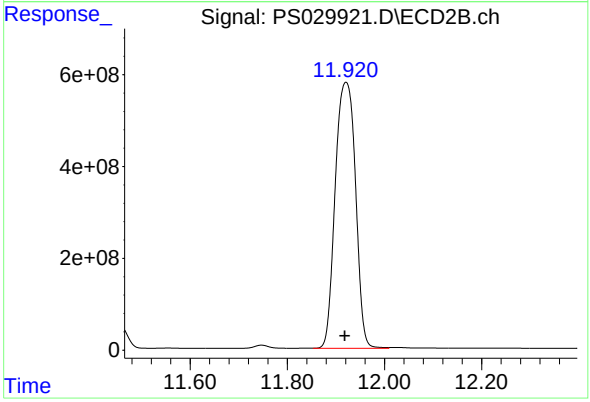
#15 Picloram

R.T.: 11.921 min
Delta R.T.: 0.000 min
Response: 16794663994
Conc: 1401.73 ng/ml



#16 DCPA

R.T.: 11.166 min
Delta R.T.: 0.000 min
Response: 11907371025
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 11.921 min
Delta R.T.: 0.002 min
Response: 16794663994
Conc: 1511.63 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:13
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: Apr 23 12:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:41:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.941	7.466	2233.7E6	662.0E6	886.503	930.792
	Target Compounds						
1) T	Dalapon	2.448	2.524	3459.2E6	1450.3E6	829.350	821.672
2) T	3,5-DICHL...	6.145	6.463	3047.9E6	855.5E6	835.452	867.026
3) T	4-Nitroph...	6.731	7.000	1500.3E6	650.1E6	830.199	840.006
5) T	DICAMBA	7.118	7.652	8709.4E6	3622.0E6	866.580	923.531
6) T	MCPP	7.297	7.761	613.1E6	163.4E6	97.394	94.159
7) T	MCPA	7.440	7.992	802.4E6	212.9E6	91.664	89.703
8) T	DICHLORPROP	7.798	8.347	2167.0E6	881.3E6	837.398	868.054
9) T	2,4-D	8.018	8.661	2435.4E6	991.5E6	849.738	870.102
10) T	Pentachlo...	8.297	9.163	31038.8E6	18517.9E6	864.019	901.215
11) T	2,4,5-TP ...	8.862	9.542	12264.9E6	7478.1E6	869.588	909.959
12) T	2,4,5-T	9.144	9.947	12428.5E6	7054.1E6	868.738	903.059
13) T	2,4-DB	9.702	10.506	2059.3E6	737.5E6	896.524	916.649
14) T	DINOSEB	10.866	10.881	8807.7E6	5194.8E6	849.671	883.604
15) T	Picloram	10.685	11.921	16510.1E6	21923.5E6	892.660	1757.231 #
16) T	DCPA	11.166	11.921	15201.9E6	21923.5E6	876.317	1927.353 #

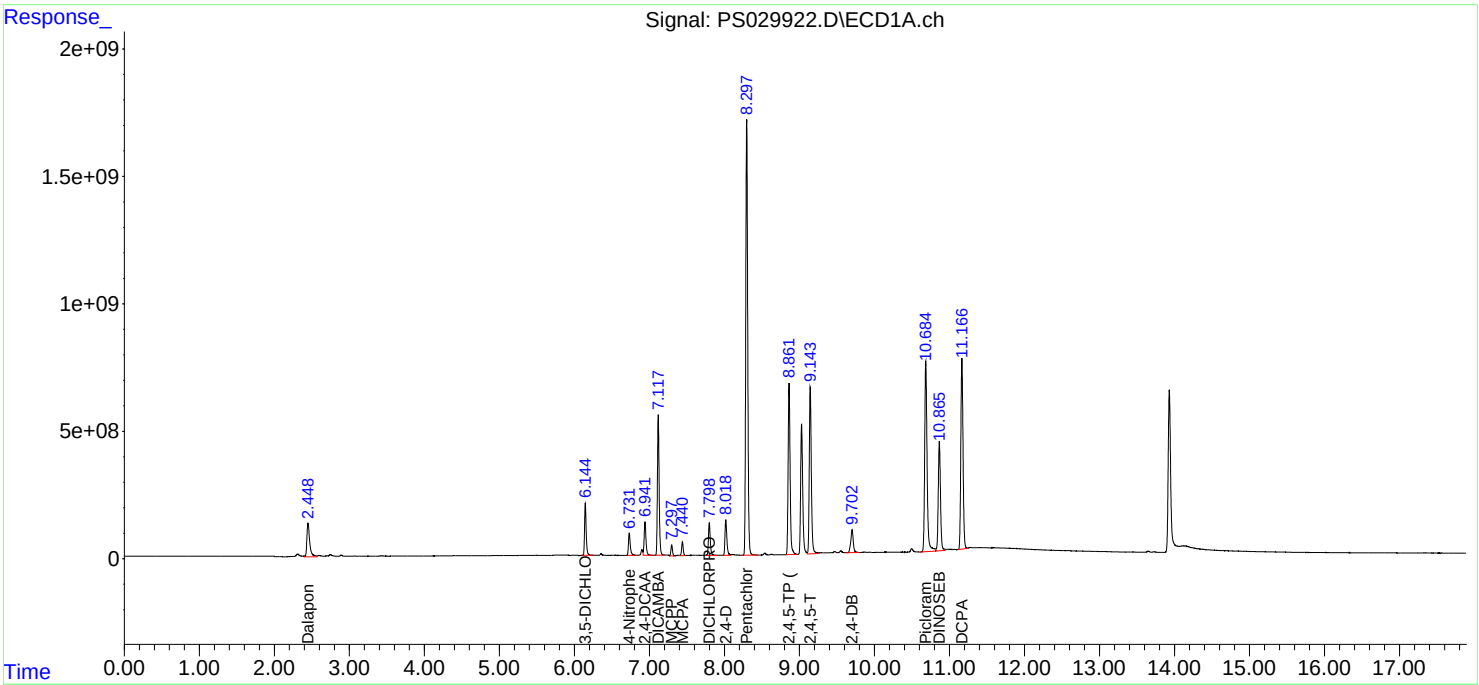
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

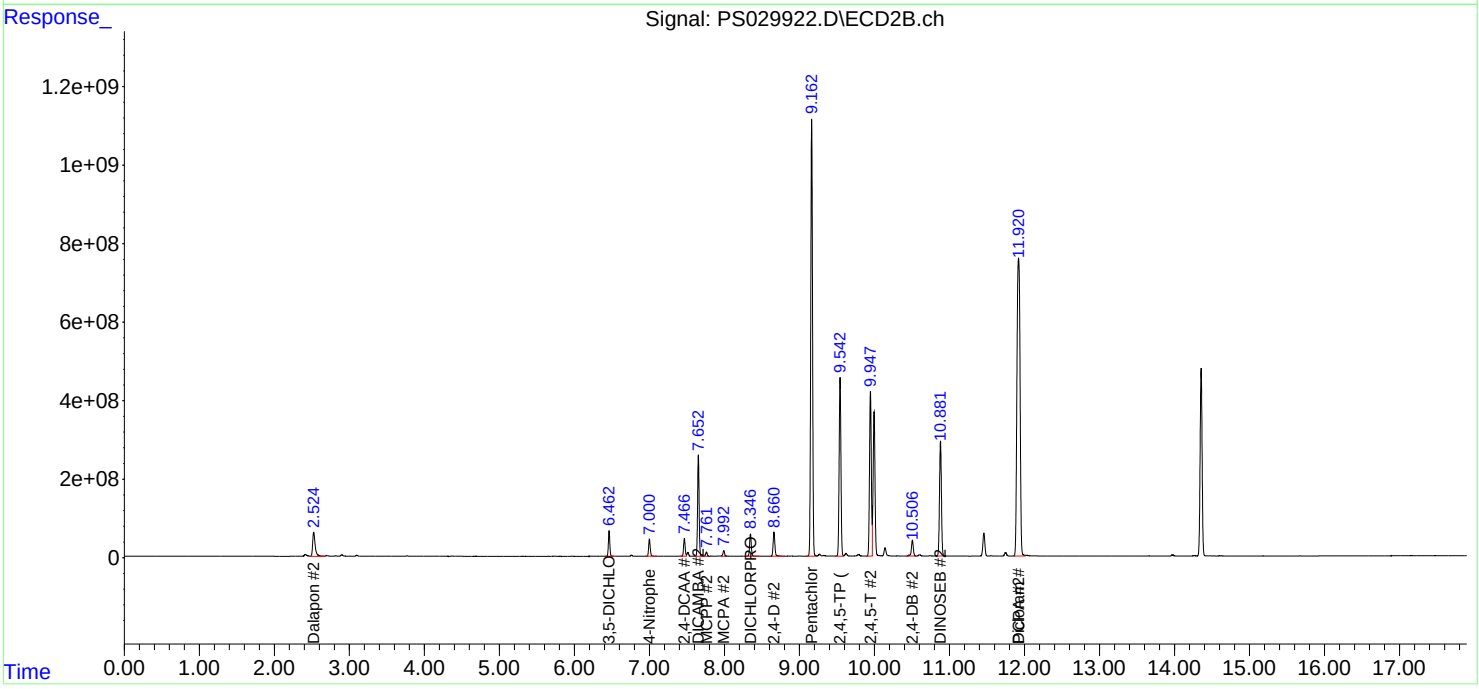
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:13
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

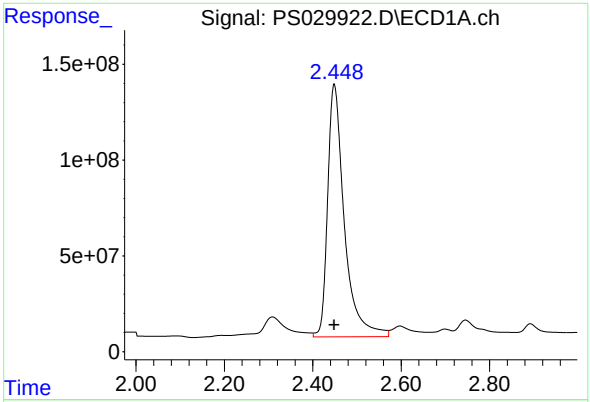
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:41:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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



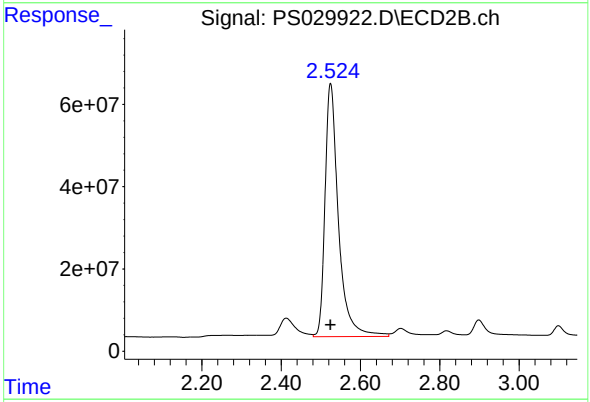




#1 Dalapon

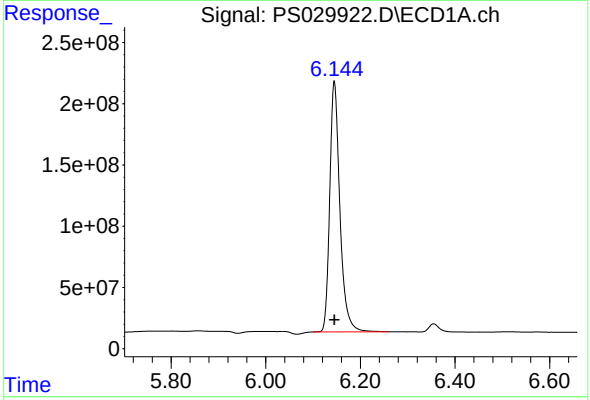
R.T.: 2.448 min
Delta R.T.: 0.000 min
Response: 3459192542
Conc: 829.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



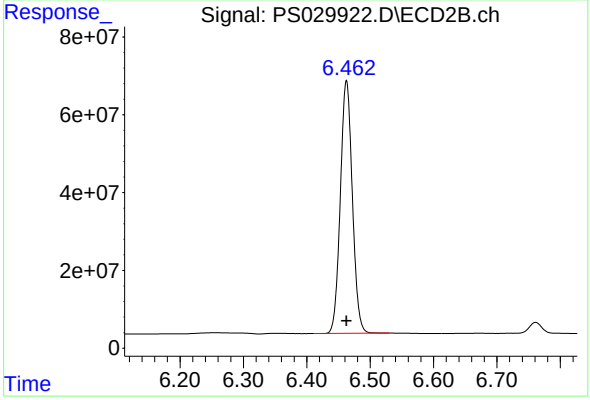
#1 Dalapon

R.T.: 2.524 min
Delta R.T.: 0.000 min
Response: 1450275646
Conc: 821.67 ng/ml



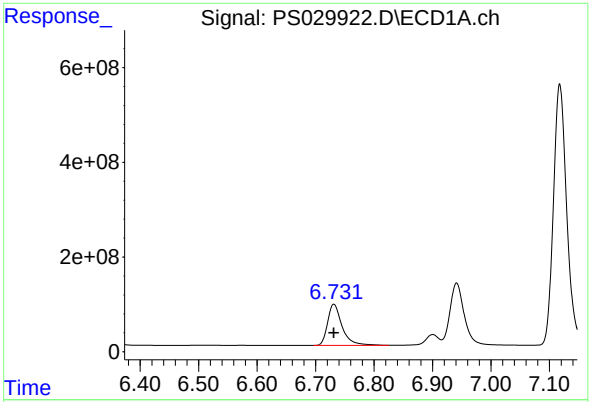
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.145 min
Delta R.T.: 0.000 min
Response: 3047853600
Conc: 835.45 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

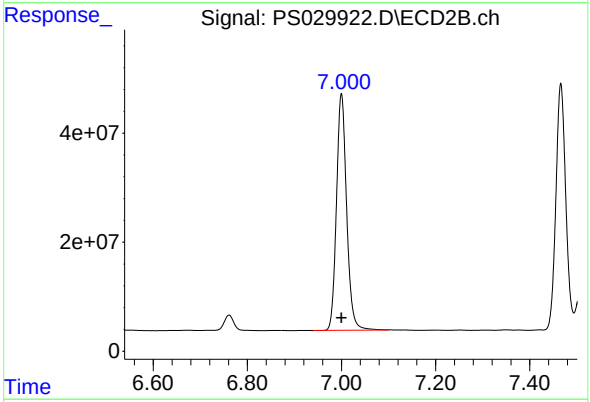
R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 855462143
Conc: 867.03 ng/ml



#3 4-Nitrophenol

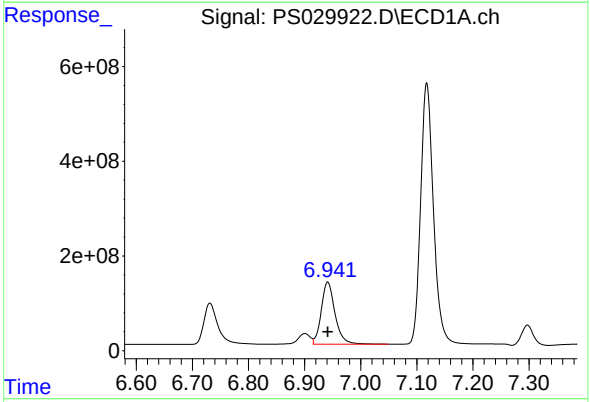
R.T.: 6.731 min
Delta R.T.: 0.000 min
Response: 1500313179
Conc: 830.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



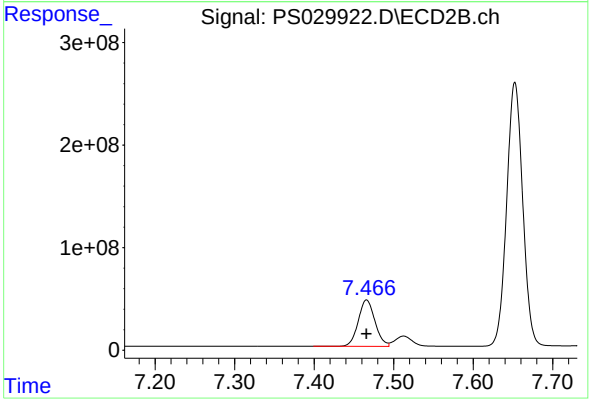
#3 4-Nitrophenol

R.T.: 7.000 min
Delta R.T.: 0.000 min
Response: 650145921
Conc: 840.01 ng/ml



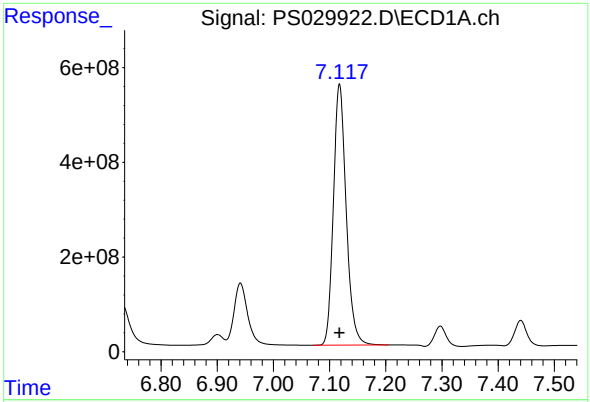
#4 2,4-DCAA

R.T.: 6.941 min
Delta R.T.: 0.000 min
Response: 2233667943
Conc: 886.50 ng/ml



#4 2,4-DCAA

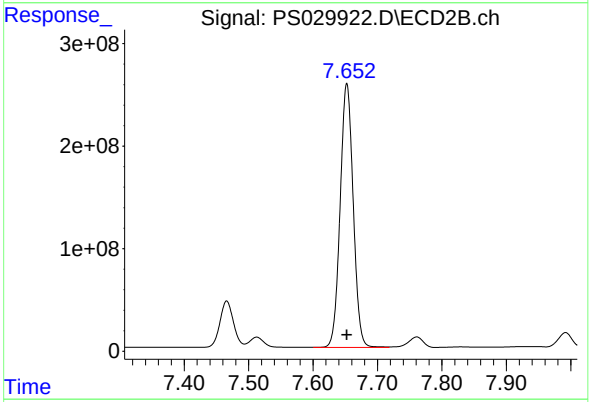
R.T.: 7.466 min
Delta R.T.: 0.000 min
Response: 661990920
Conc: 930.79 ng/ml



#5 DICAMBA

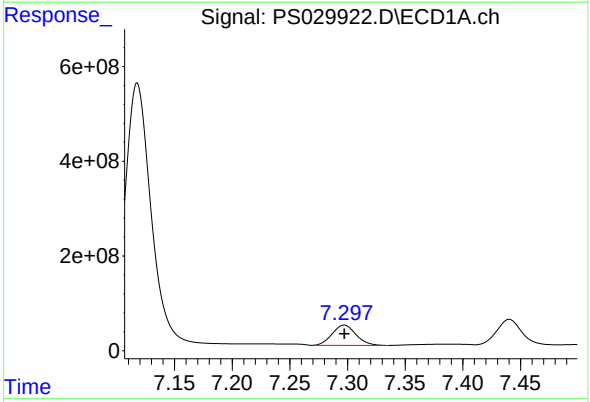
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 8709449271
Conc: 866.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



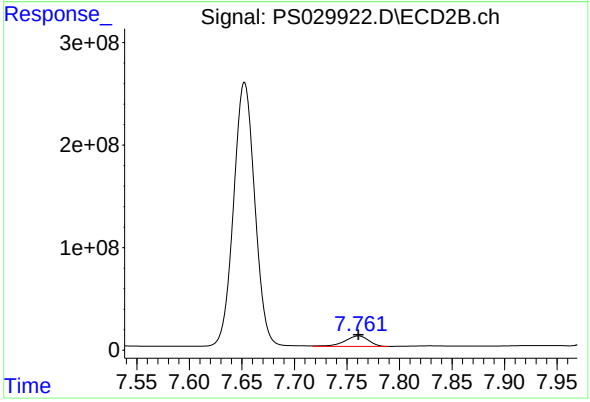
#5 DICAMBA

R.T.: 7.652 min
Delta R.T.: 0.000 min
Response: 3622048735
Conc: 923.53 ng/ml



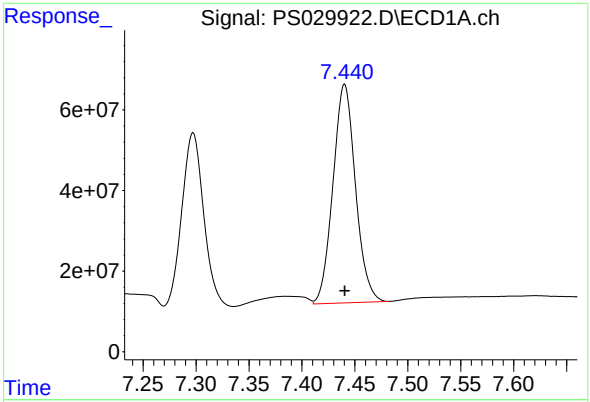
#6 MCPP

R.T.: 7.297 min
Delta R.T.: 0.000 min
Response: 613146849
Conc: 97.39 ug/ml



#6 MCPP

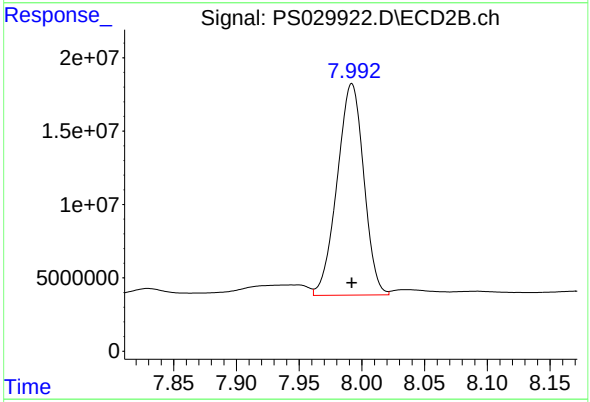
R.T.: 7.761 min
Delta R.T.: 0.000 min
Response: 163368164
Conc: 94.16 ug/ml



#7 MCPA

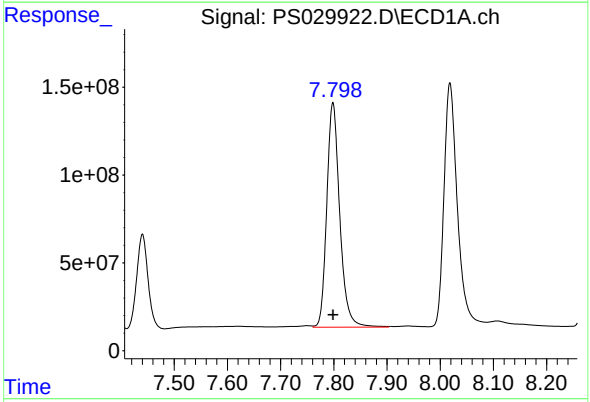
R.T.: 7.440 min
Delta R.T.: 0.000 min
Response: 802417459
Conc: 91.66 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



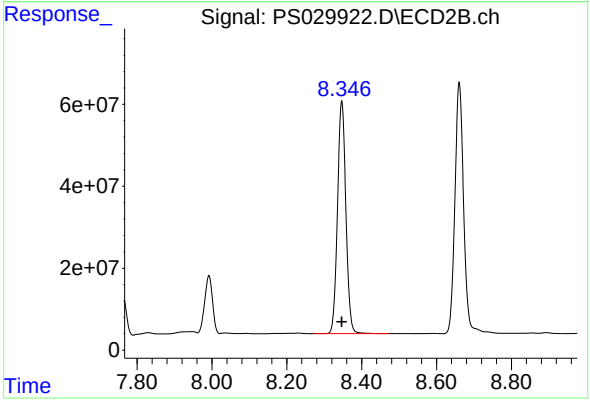
#7 MCPA

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 212857828
Conc: 89.70 ug/ml



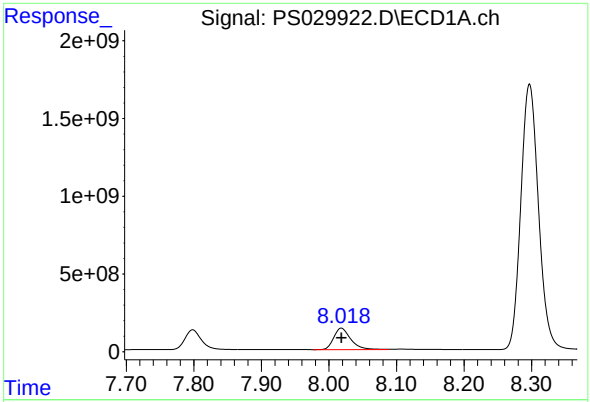
#8 DICHLORPROP

R.T.: 7.798 min
Delta R.T.: 0.000 min
Response: 2167004704
Conc: 837.40 ng/ml



#8 DICHLORPROP

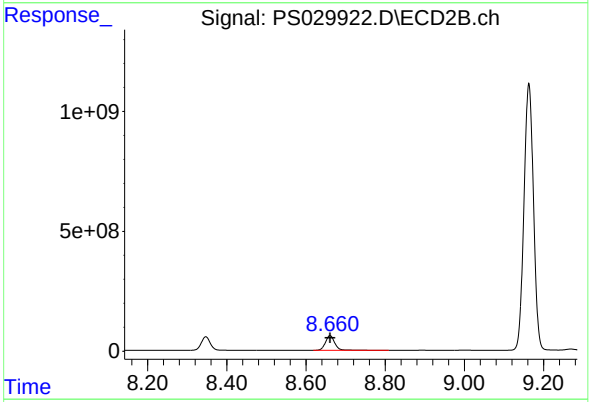
R.T.: 8.347 min
Delta R.T.: 0.000 min
Response: 881253779
Conc: 868.05 ng/ml



#9 2,4-D

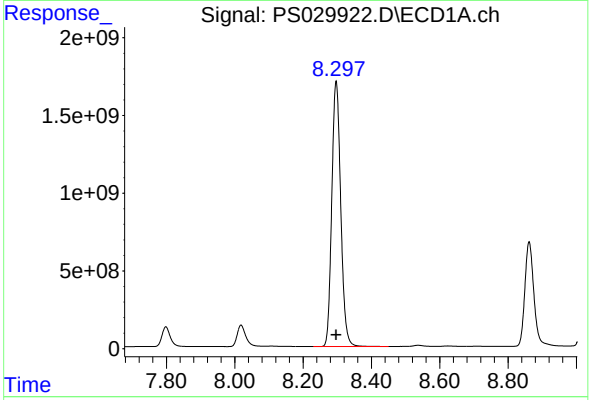
R.T.: 8.018 min
Delta R.T.: 0.000 min
Response: 2435353652
Conc: 849.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



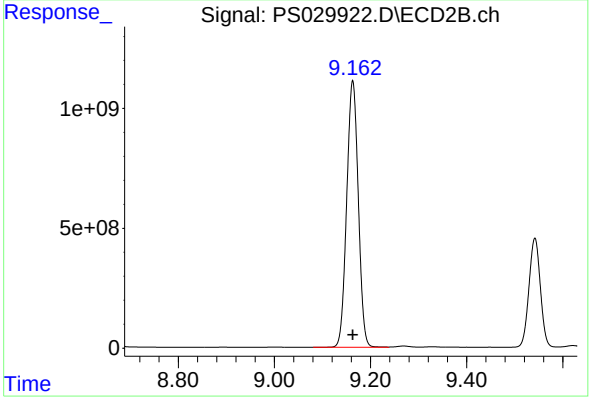
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 991509756
Conc: 870.10 ng/ml



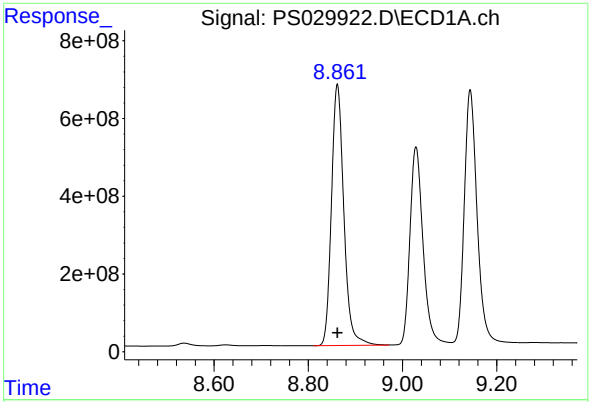
#10 Pentachlorophenol

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 31038781576
Conc: 864.02 ng/ml



#10 Pentachlorophenol

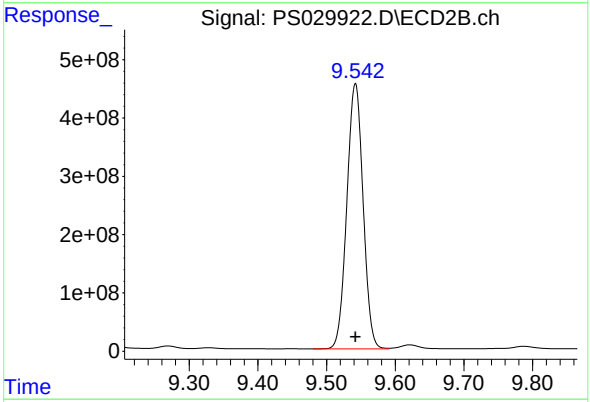
R.T.: 9.163 min
Delta R.T.: 0.000 min
Response: 18517872387
Conc: 901.22 ng/ml



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

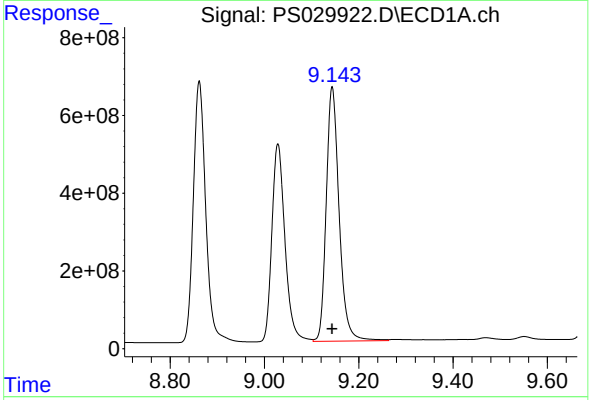
R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 12264939701
Conc: 869.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



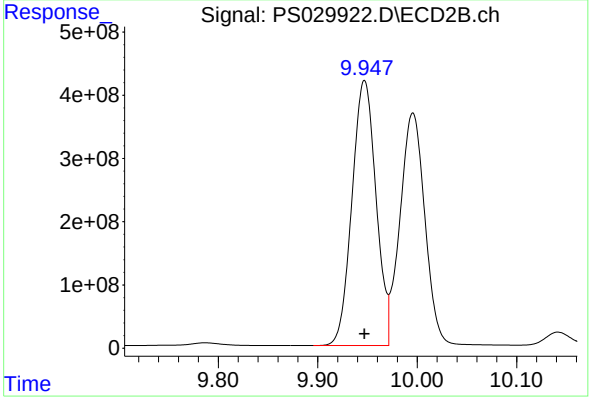
#11 2,4,5-TP (SILVEX)

R.T.: 9.542 min
Delta R.T.: 0.000 min
Response: 7478086402
Conc: 909.96 ng/ml



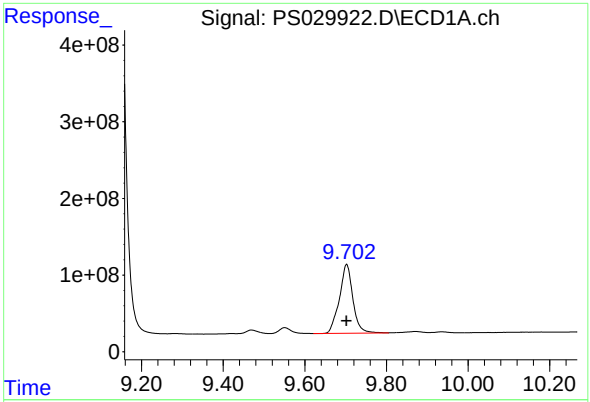
#12 2,4,5-T

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 12428516949
Conc: 868.74 ng/ml



#12 2,4,5-T

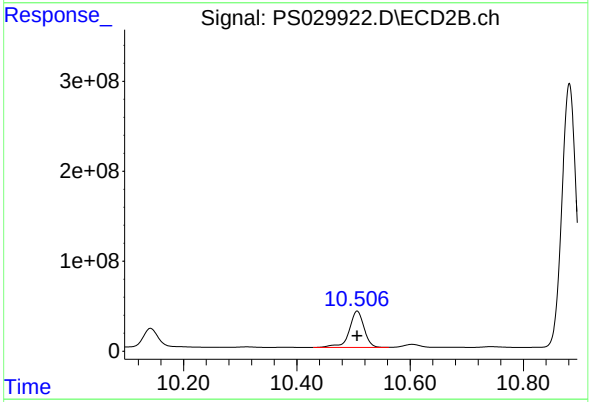
R.T.: 9.947 min
Delta R.T.: 0.000 min
Response: 7054117355
Conc: 903.06 ng/ml



#13 2,4-DB

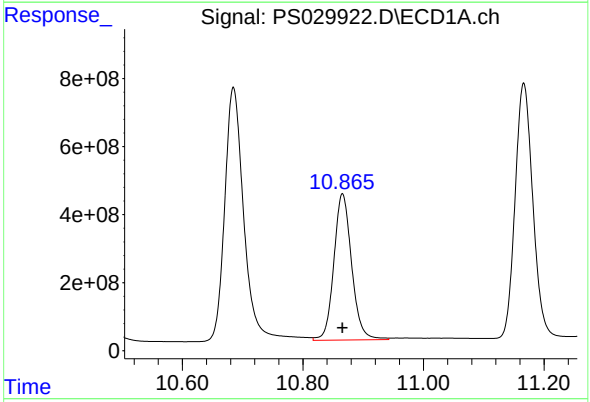
R.T.: 9.702 min
Delta R.T.: 0.000 min
Response: 2059257414
Conc: 896.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



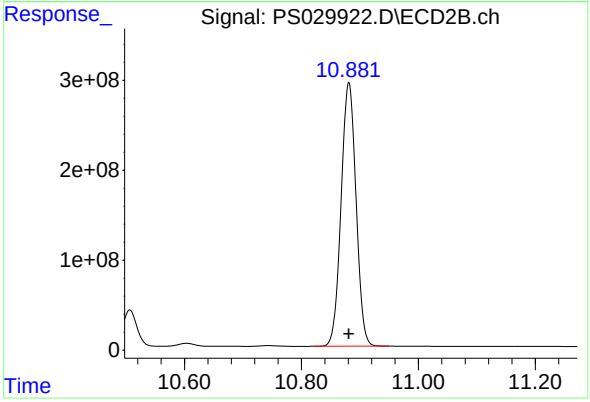
#13 2,4-DB

R.T.: 10.506 min
Delta R.T.: 0.000 min
Response: 737501651
Conc: 916.65 ng/ml



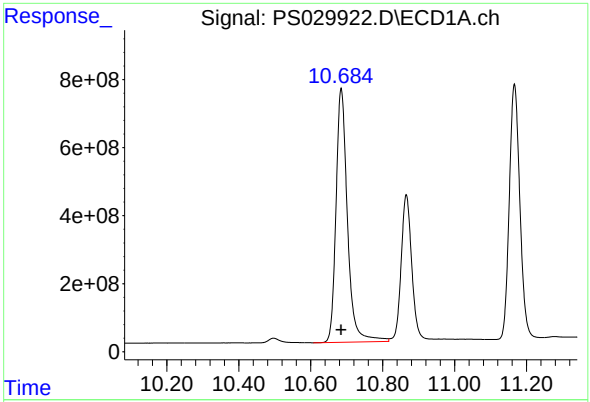
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 8807749773
Conc: 849.67 ng/ml



#14 DINOSEB

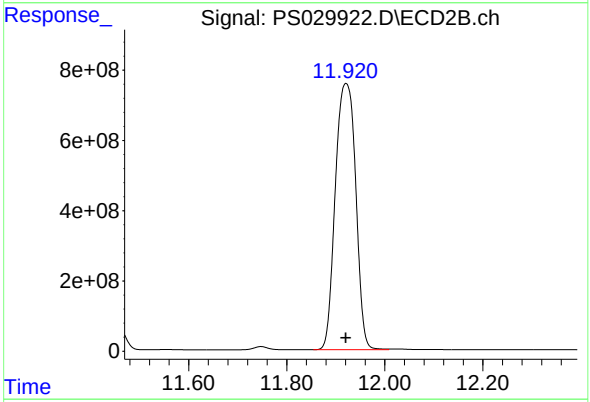
R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 5194780641
Conc: 883.60 ng/ml



#15 Picloram

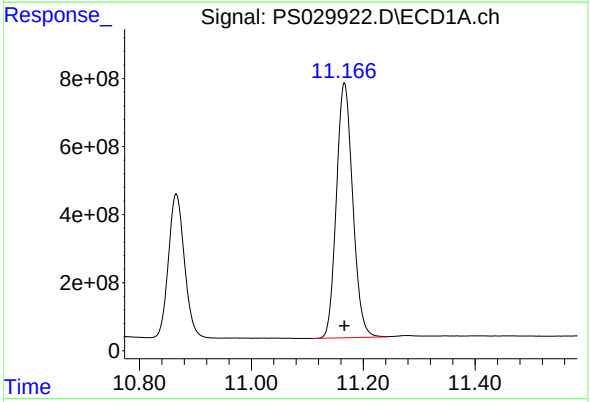
R.T.: 10.685 min
Delta R.T.: 0.000 min
Response: 16510101945
Conc: 892.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



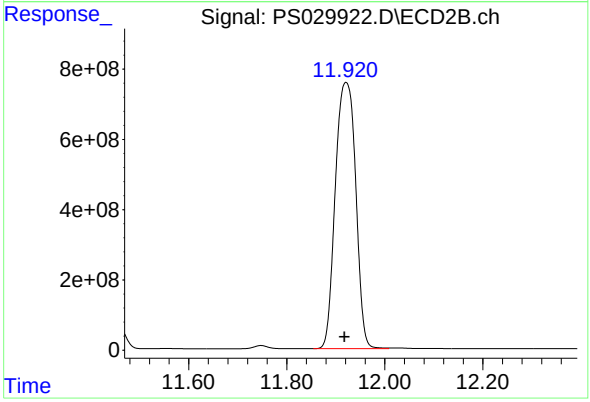
#15 Picloram

R.T.: 11.921 min
Delta R.T.: 0.000 min
Response: 21923468689
Conc: 1757.23 ng/ml



#16 DCPA

R.T.: 11.166 min
Delta R.T.: 0.000 min
Response: 15201932980
Conc: 876.32 ng/ml



#16 DCPA

R.T.: 11.921 min
Delta R.T.: 0.003 min
Response: 21923468689
Conc: 1927.35 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:37
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: Apr 23 12:55:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.941	7.467	3340.2E6	1016.6E6	1357.229	1442.979
	Target Compounds						
1) T	Dalapon	2.448	2.524	5176.7E6	2212.1E6	1264.064	1274.156
2) T	3,5-DICHL...	6.145	6.463	4570.5E6	1313.0E6	1278.892	1343.156
3) T	4-Nitroph...	6.731	7.001	2304.0E6	1001.5E6	1291.971	1307.566
5) T	DICAMBA	7.118	7.654	13131.1E6	5728.1E6	1325.990	1450.134
6) T	MCPP	7.300	7.765	992.1E6	254.5E6	153.962	145.490
7) T	MCPA	7.444	7.996	1275.2E6	326.1E6	144.397	137.819
8) T	DICHLORPROP	7.799	8.348	3270.4E6	1352.2E6	1290.535	1346.848
9) T	2,4-D	8.019	8.661	3666.5E6	1519.1E6	1303.464	1347.820
10) T	Pentachlo...	8.300	9.164	43790.4E6	27835.1E6	1255.279	1368.166
11) T	2,4,5-TP ...	8.862	9.543	18378.2E6	11452.1E6	1325.717	1399.712
12) T	2,4,5-T	9.144	9.947	18581.8E6	10783.8E6	1322.259	1389.199
13) T	2,4-DB	9.702	10.507	3190.6E6	1148.5E6	1396.120	1426.978
14) T	DINOSEB	10.866	10.881	13258.0E6	7950.4E6	1303.197	1363.473
15) T	Picloram	10.684	11.923	25181.9E6	33589.7E6	1373.763	2722.382 #
16) T	DCPA	11.166	11.923	22629.5E6	33589.7E6	1329.504	2961.816 #

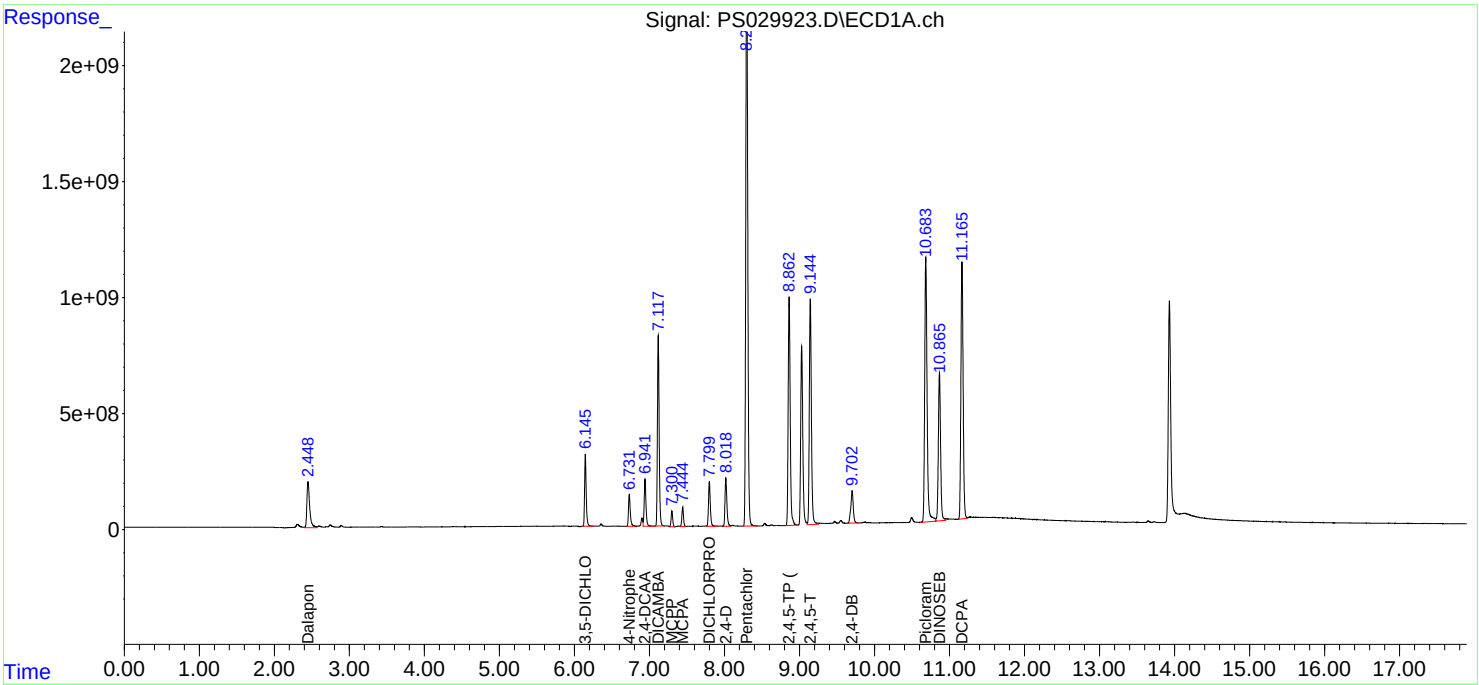
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

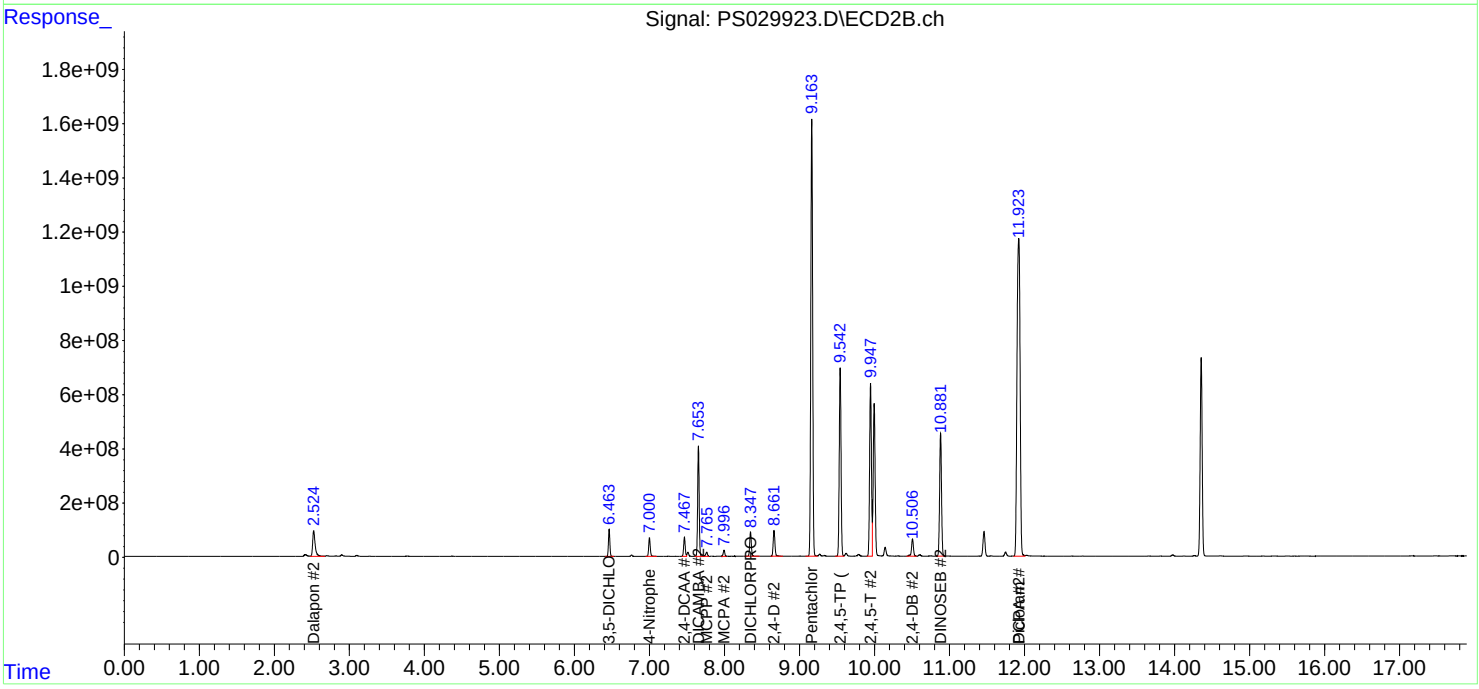
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:37
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

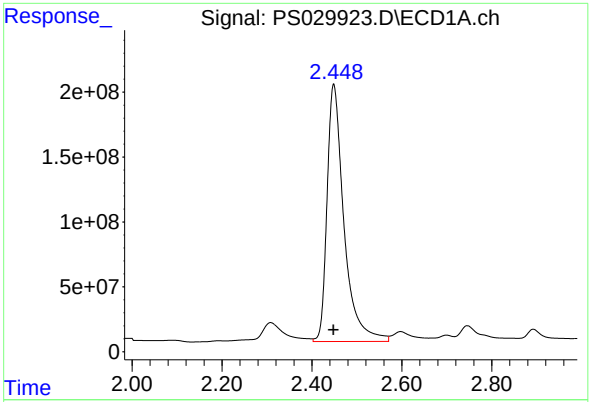
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:55:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:55:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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



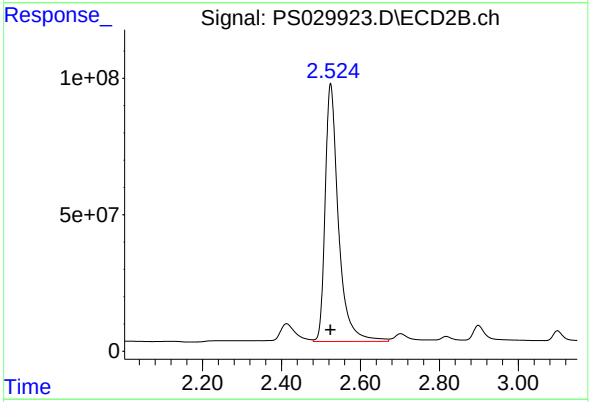




#1 Dalapon

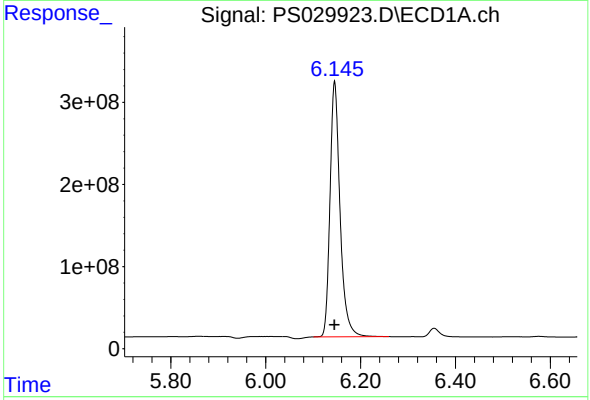
R.T.: 2.448 min
Delta R.T.: 0.000 min
Response: 5176670282
Conc: 1264.06 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



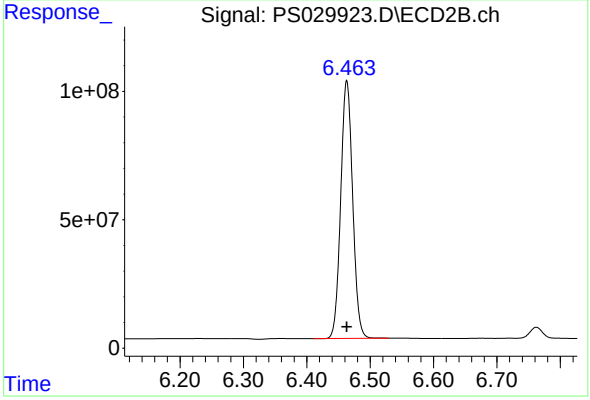
#1 Dalapon

R.T.: 2.524 min
Delta R.T.: 0.000 min
Response: 2212117489
Conc: 1274.16 ng/ml



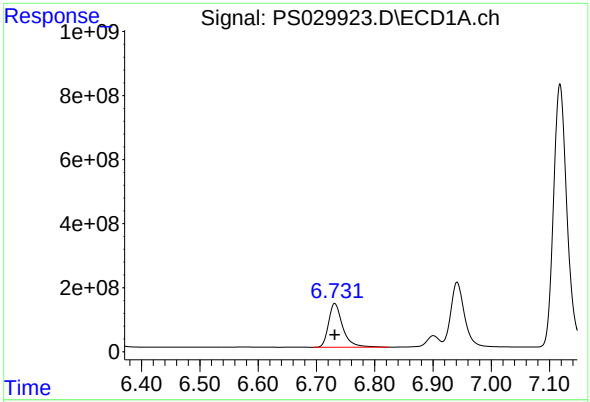
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.145 min
Delta R.T.: 0.000 min
Response: 4570485622
Conc: 1278.89 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

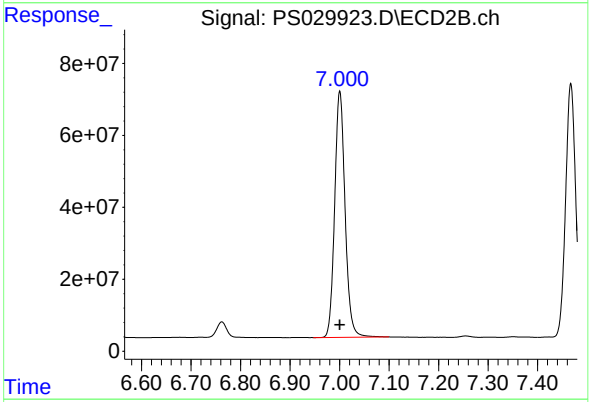
R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 1313041128
Conc: 1343.16 ng/ml



#3 4-Nitrophenol

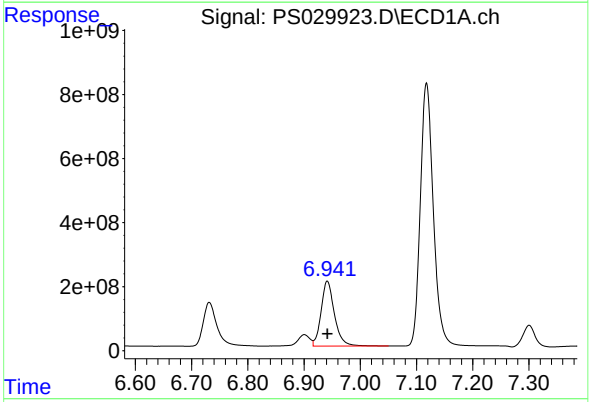
R.T.: 6.731 min
Delta R.T.: 0.000 min
Response: 2303997056
Conc: 1291.97 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



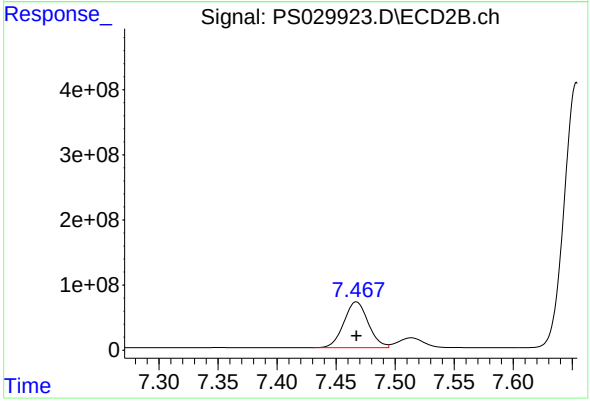
#3 4-Nitrophenol

R.T.: 7.001 min
Delta R.T.: 0.000 min
Response: 1001492635
Conc: 1307.57 ng/ml



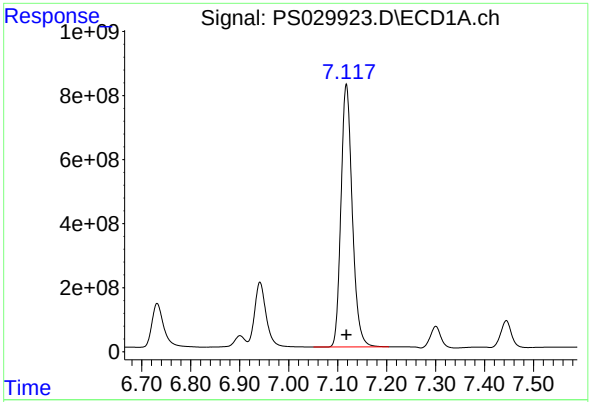
#4 2,4-DCAA

R.T.: 6.941 min
Delta R.T.: 0.000 min
Response: 3340247176
Conc: 1357.23 ng/ml



#4 2,4-DCAA

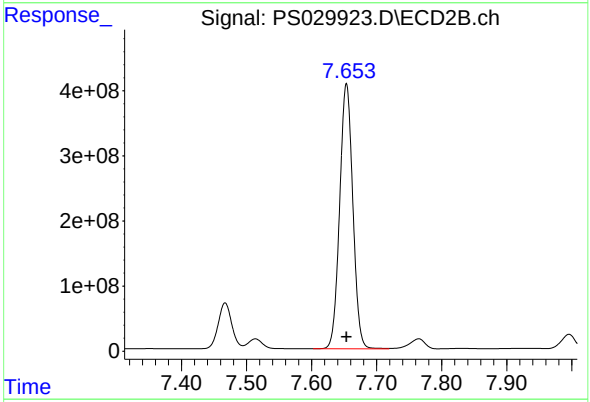
R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 1016603254
Conc: 1442.98 ng/ml



#5 DICAMBA

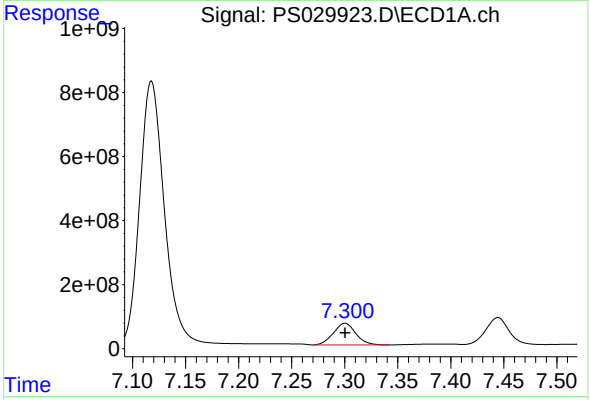
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 13131098945
Conc: 1325.99 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



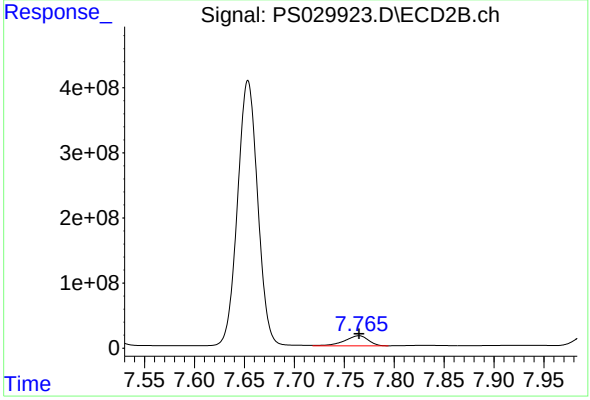
#5 DICAMBA

R.T.: 7.654 min
Delta R.T.: 0.000 min
Response: 5728123349
Conc: 1450.13 ng/ml



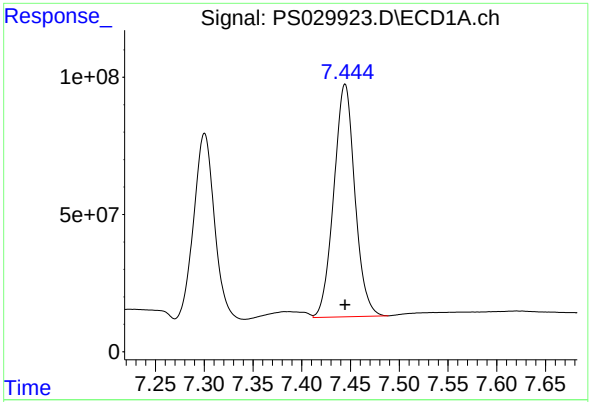
#6 MCPP

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 992077341
Conc: 153.96 ug/ml



#6 MCPP

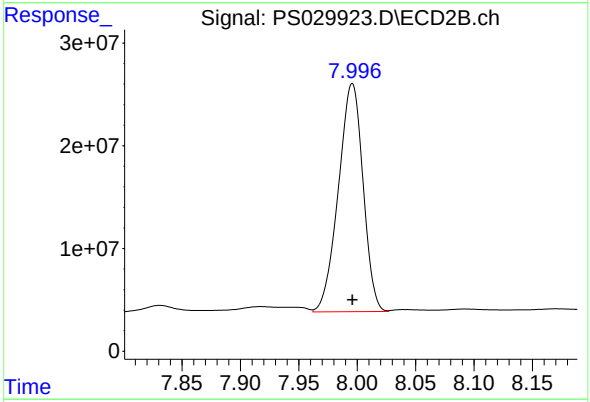
R.T.: 7.765 min
Delta R.T.: 0.000 min
Response: 254454768
Conc: 145.49 ug/ml



#7 MCPA

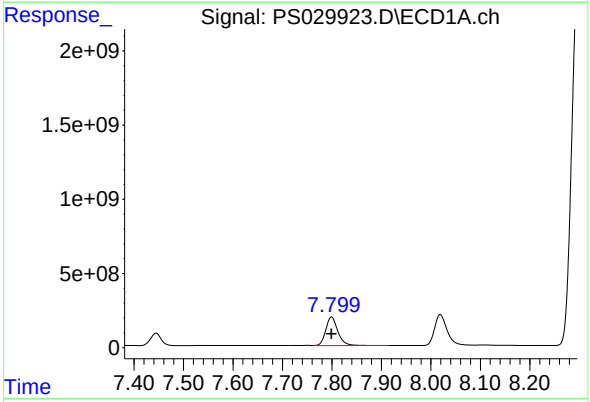
R.T.: 7.444 min
Delta R.T.: 0.000 min
Response: 1275219029
Conc: 144.40 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



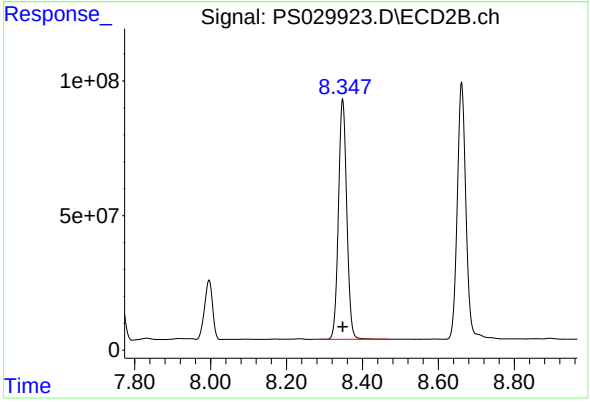
#7 MCPA

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 326053003
Conc: 137.82 ug/ml



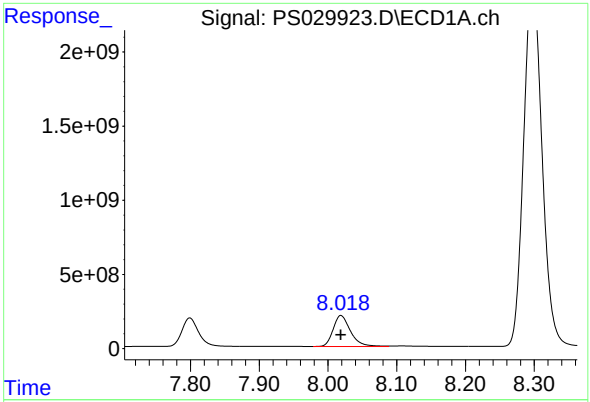
#8 DICHLORPROP

R.T.: 7.799 min
Delta R.T.: 0.000 min
Response: 3270356058
Conc: 1290.54 ng/ml



#8 DICHLORPROP

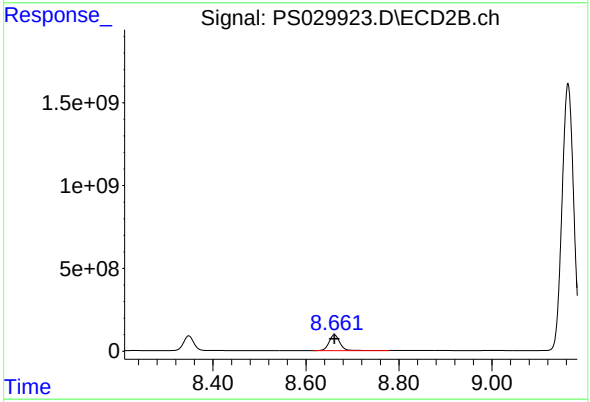
R.T.: 8.348 min
Delta R.T.: 0.000 min
Response: 1352187583
Conc: 1346.85 ng/ml



#9 2,4-D

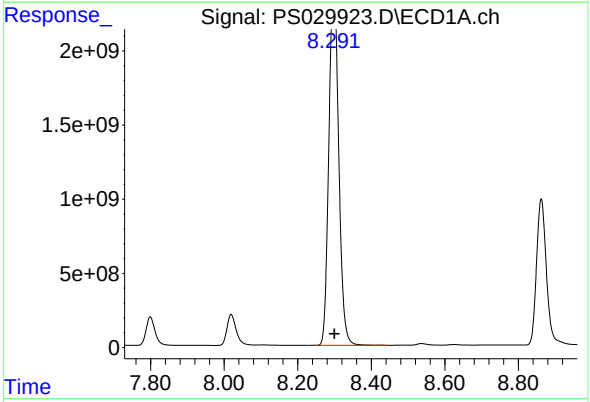
R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 3666476235
Conc: 1303.46 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



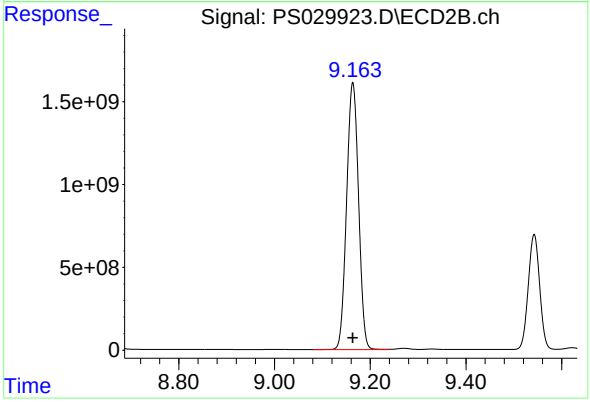
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 1519137434
Conc: 1347.82 ng/ml



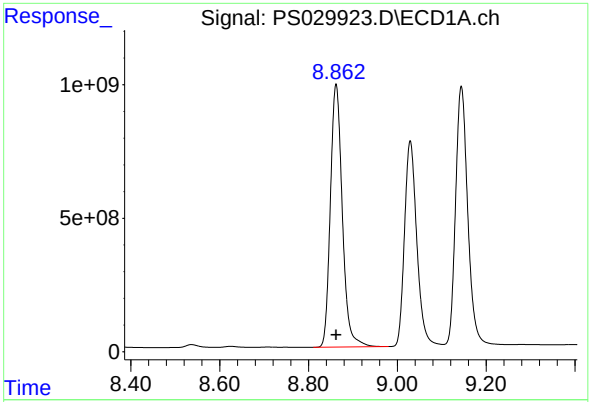
#10 Pentachlorophenol

R.T.: 8.300 min
Delta R.T.: 0.000 min
Response: 43790422023
Conc: 1255.28 ng/ml



#10 Pentachlorophenol

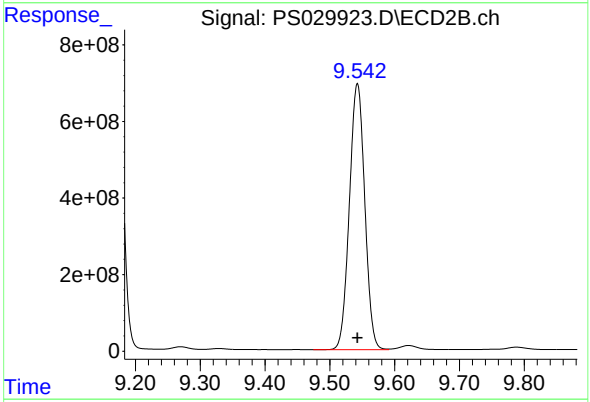
R.T.: 9.164 min
Delta R.T.: 0.000 min
Response: 27835080663
Conc: 1368.17 ng/ml



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

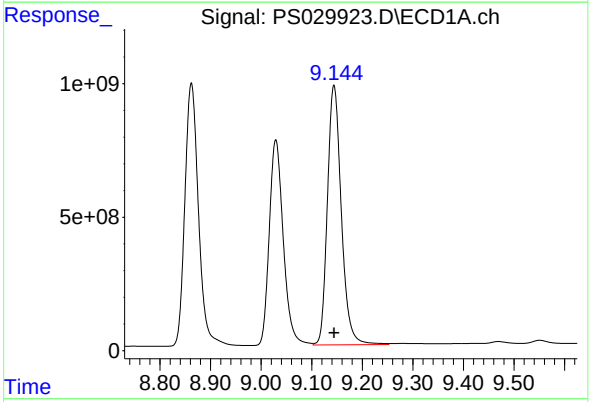
R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 18378203400
Conc: 1325.72 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



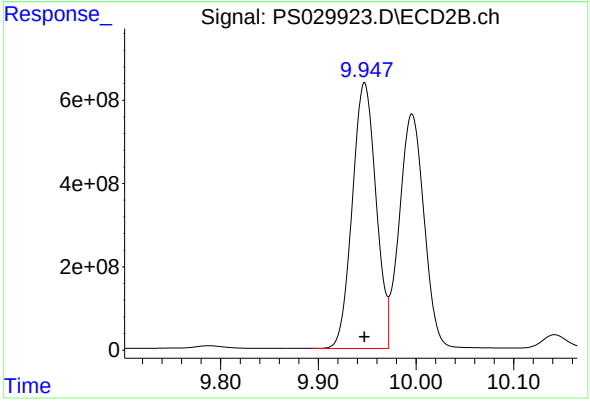
#11 2,4,5-TP (SILVEX)

R.T.: 9.543 min
Delta R.T.: 0.000 min
Response: 11452091600
Conc: 1399.71 ng/ml



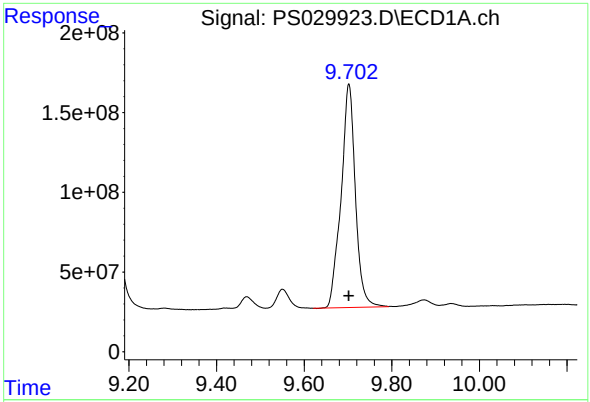
#12 2,4,5-T

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 18581844789
Conc: 1322.26 ng/ml



#12 2,4,5-T

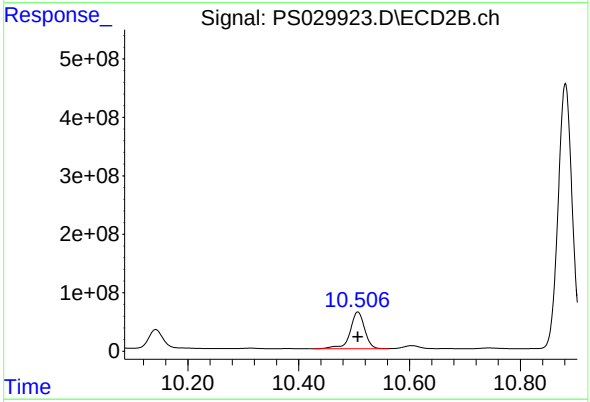
R.T.: 9.947 min
Delta R.T.: 0.000 min
Response: 10783792004
Conc: 1389.20 ng/ml



#13 2,4-DB

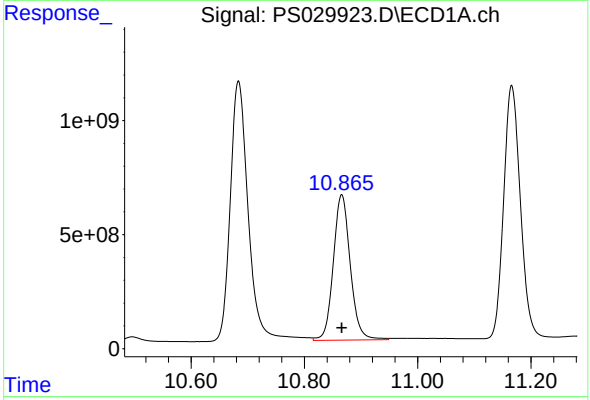
R.T.: 9.702 min
Delta R.T.: 0.000 min
Response: 3190632076
Conc: 1396.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



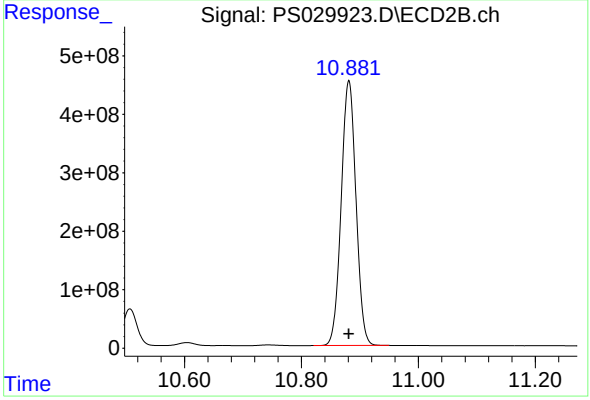
#13 2,4-DB

R.T.: 10.507 min
Delta R.T.: 0.000 min
Response: 1148492462
Conc: 1426.98 ng/ml



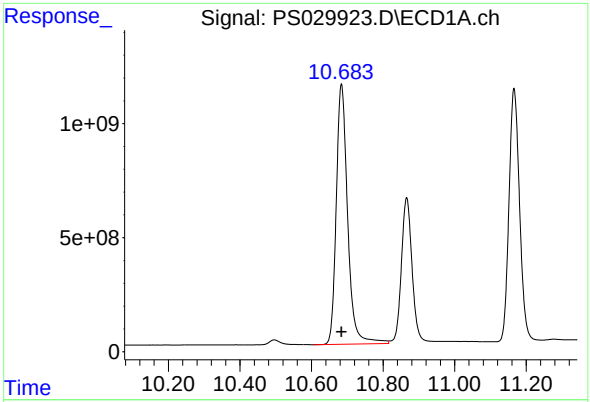
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 13257982778
Conc: 1303.20 ng/ml



#14 DINOSEB

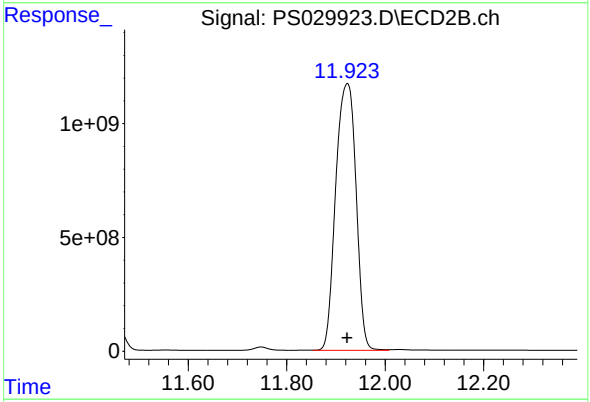
R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 7950383575
Conc: 1363.47 ng/ml



#15 Picloram

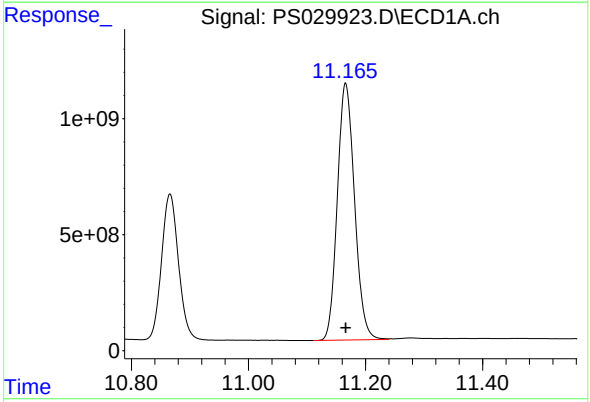
R.T.: 10.684 min
Delta R.T.: 0.000 min
Response: 25181937899
Conc: 1373.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



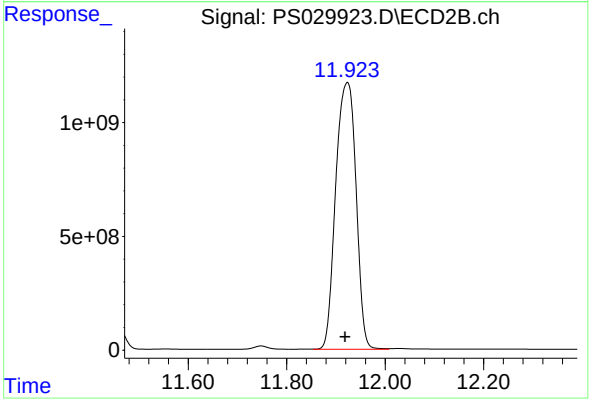
#15 Picloram

R.T.: 11.923 min
Delta R.T.: 0.000 min
Response: 33589683389
Conc: 2722.38 ng/ml



#16 DCPA

R.T.: 11.166 min
Delta R.T.: 0.000 min
Response: 22629488258
Conc: 1329.50 ng/ml



#16 DCPA

R.T.: 11.923 min
Delta R.T.: 0.005 min
Response: 33589683389
Conc: 2961.82 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 13:01
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 13:20:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.941	7.467	1785.1E6	522.8E6	725.315	742.096
	Target Compounds						
1) T	Dalapon	2.449	2.525	2793.7E6	1167.7E6	682.183	672.600
2) T	3,5-DICHL...	6.145	6.463	2447.4E6	679.4E6	684.816	695.005
3) T	4-Nitroph...	6.732	7.000	1167.8E6	514.6E6	654.846	671.850
5) T	DICAMBA	7.118	7.653	6990.7E6	2822.8E6	705.926	714.619
6) T	MCPP	7.297	7.760	467.2E6	127.4E6	72.508	72.837
7) T	MCPA	7.439	7.991	617.1E6	165.5E6	69.876	69.959
8) T	DICHLORPROP	7.798	8.347	1751.5E6	702.7E6	691.189	699.969
9) T	2,4-D	8.018	8.661	1976.8E6	789.4E6	702.764	700.374
10) T	Pentachlo...	8.297	9.163	25231.5E6	14767.7E6	723.277	725.871
11) T	2,4,5-TP ...	8.862	9.542	9894.0E6	5913.4E6	713.706	722.753
12) T	2,4,5-T	9.144	9.947	9990.5E6	5588.6E6	710.908	719.944
13) T	2,4-DB	9.702	10.506	1649.4E6	582.7E6	721.719	724.013
14) T	DINOSEB	10.866	10.881	7070.7E6	4118.9E6	695.014	706.382
15) T	Picloram	10.685	11.923	13255.1E6	17280.6E6	723.112	1406.800 #
16) T	DCPA	11.167	11.923	12285.5E6	17280.6E6	721.785	1533.105 #

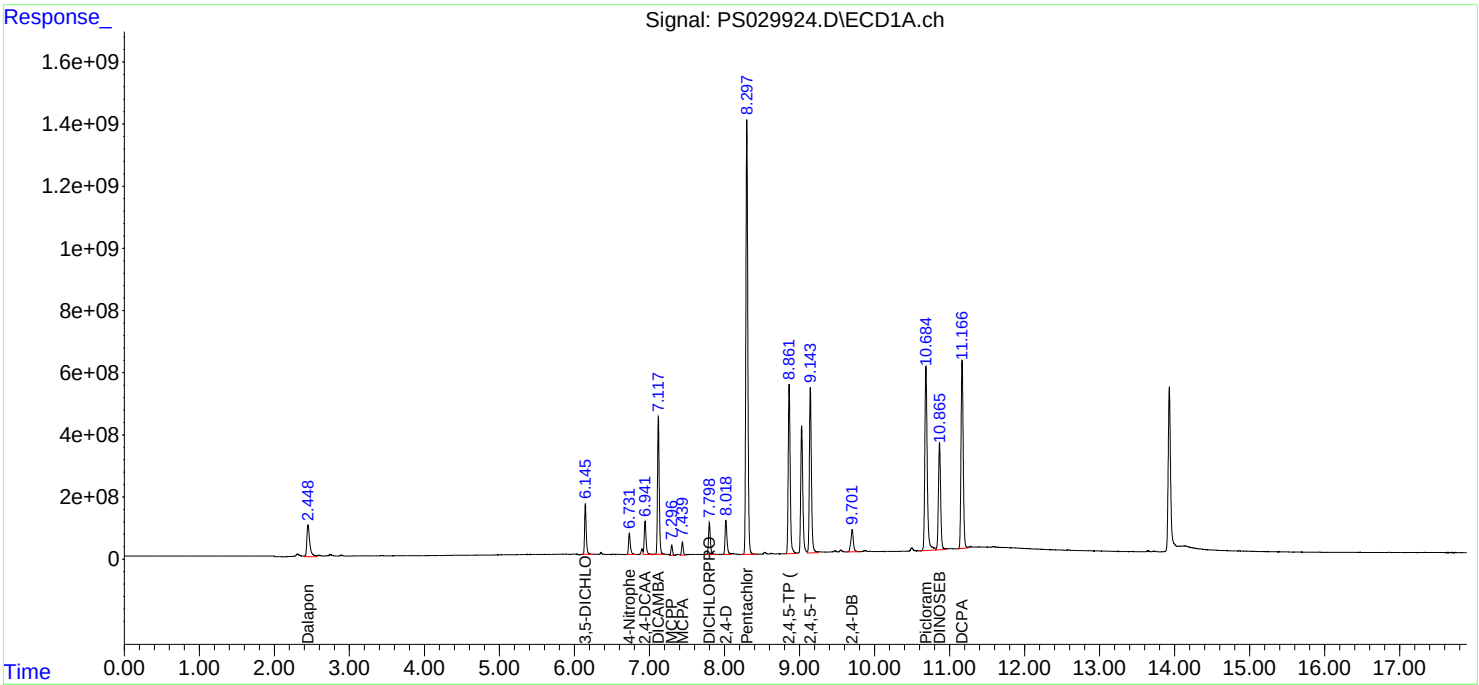
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

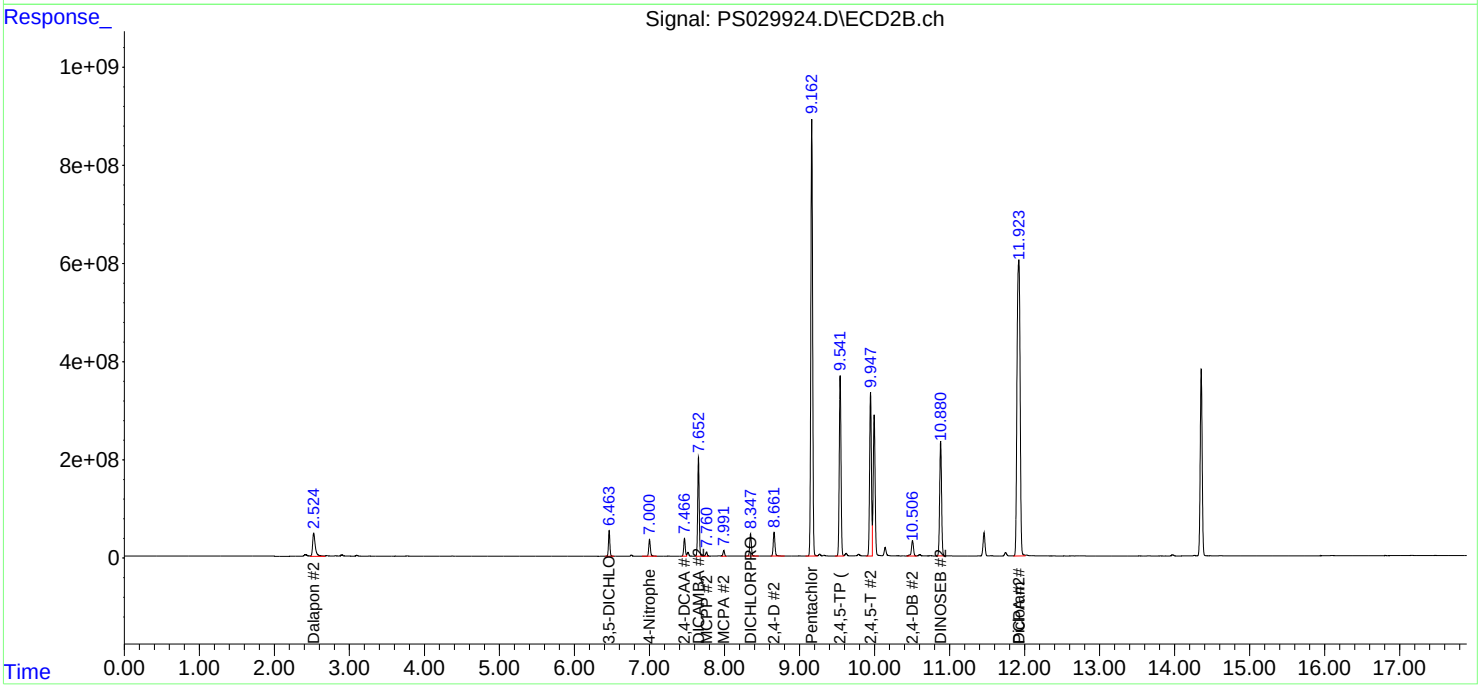
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS042325\
Data File : PS029924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 13:01
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

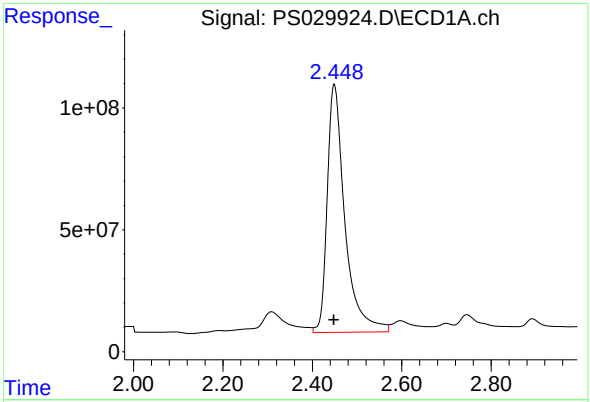
Instrument :
ECD_S
ClientSampleId :
ICVPS042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 13:20:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



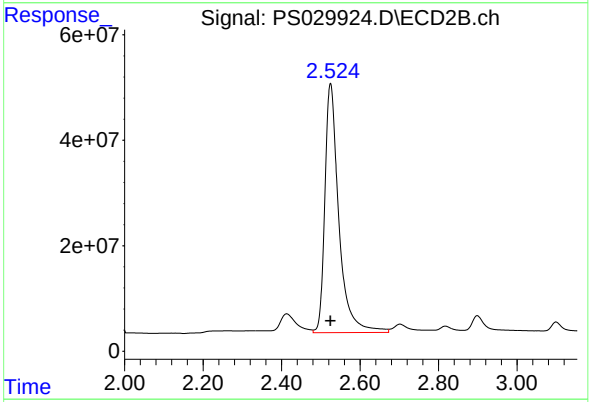




#1 Dalapon

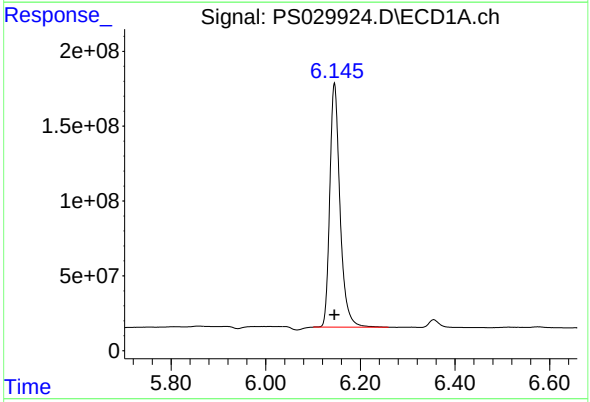
R.T.: 2.449 min
Delta R.T.: 0.000 min
Response: 2793715347
Conc: 682.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325



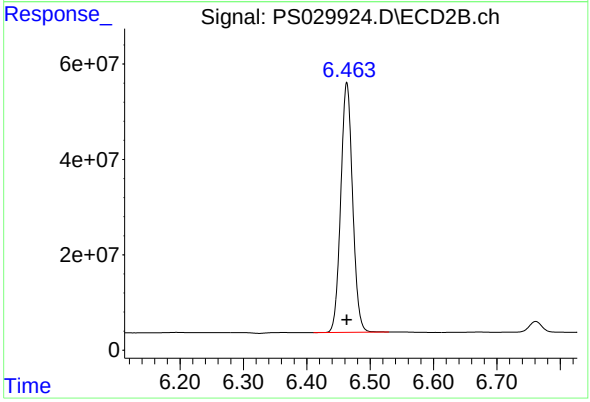
#1 Dalapon

R.T.: 2.525 min
Delta R.T.: 0.000 min
Response: 1167729659
Conc: 672.60 ng/ml



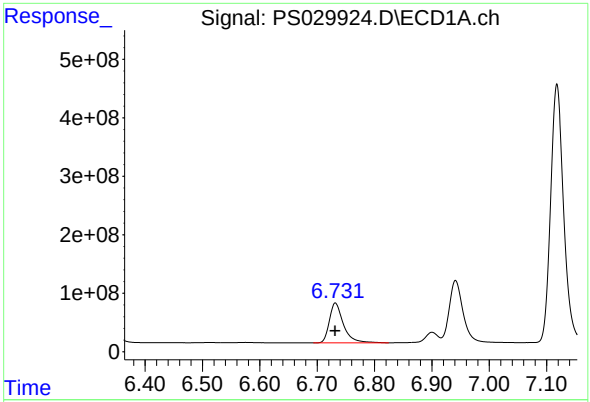
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.145 min
Delta R.T.: 0.000 min
Response: 2447386587
Conc: 684.82 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

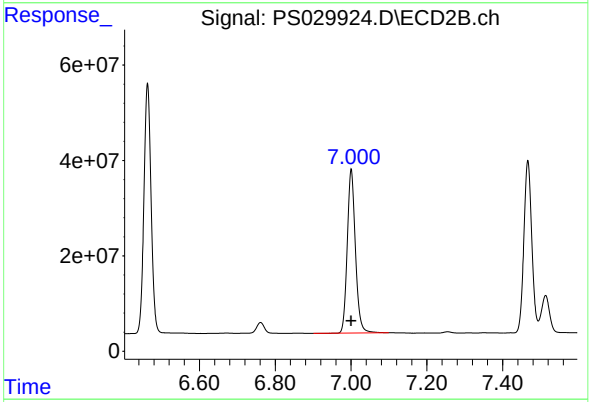
R.T.: 6.463 min
Delta R.T.: 0.000 min
Response: 679422841
Conc: 695.01 ng/ml



#3 4-Nitrophenol

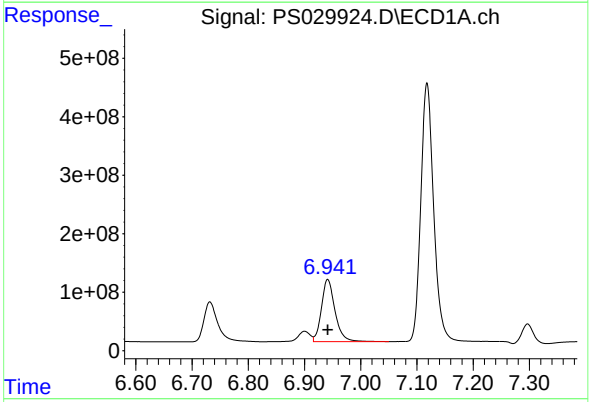
R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 1167800121
Conc: 654.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325



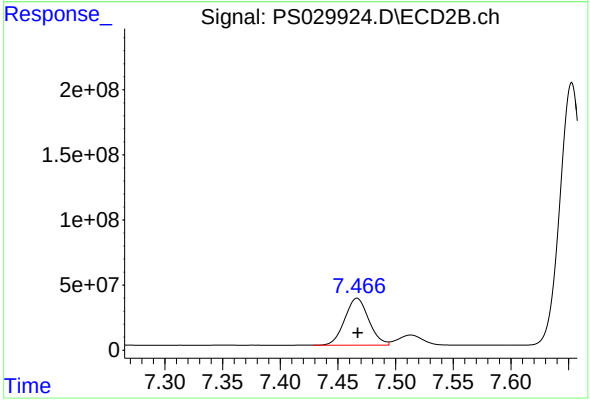
#3 4-Nitrophenol

R.T.: 7.000 min
Delta R.T.: 0.000 min
Response: 514583941
Conc: 671.85 ng/ml



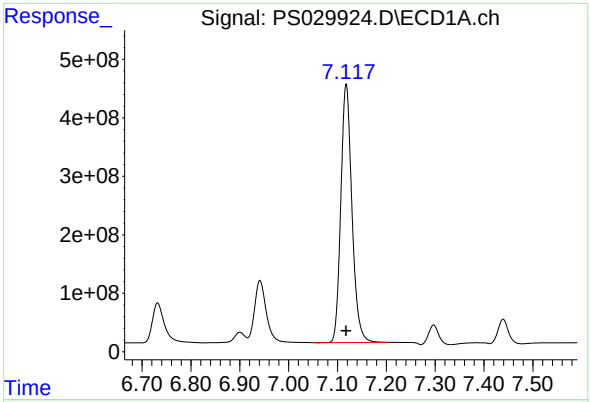
#4 2,4-DCAA

R.T.: 6.941 min
Delta R.T.: 0.000 min
Response: 1785057977
Conc: 725.32 ng/ml



#4 2,4-DCAA

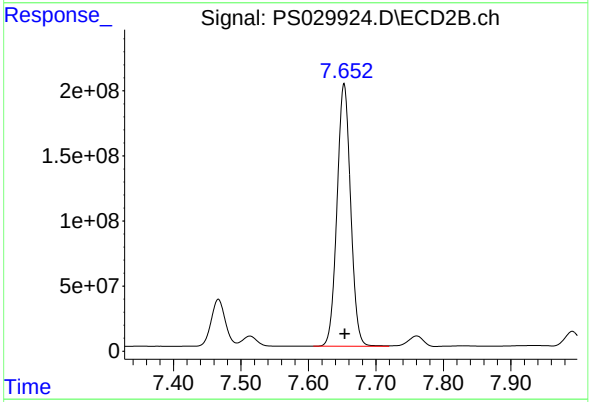
R.T.: 7.467 min
Delta R.T.: 0.000 min
Response: 522819399
Conc: 742.10 ng/ml



#5 DICAMBA

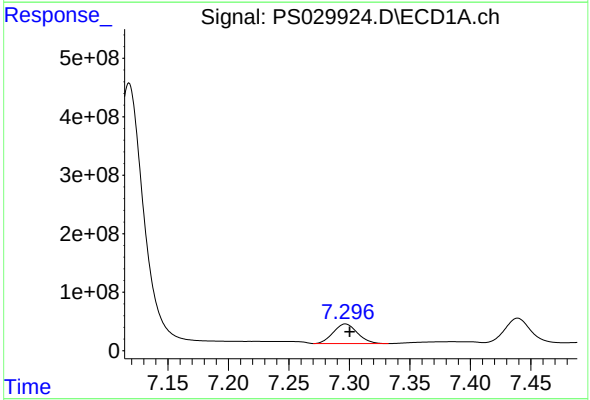
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 6990688242
Conc: 705.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325



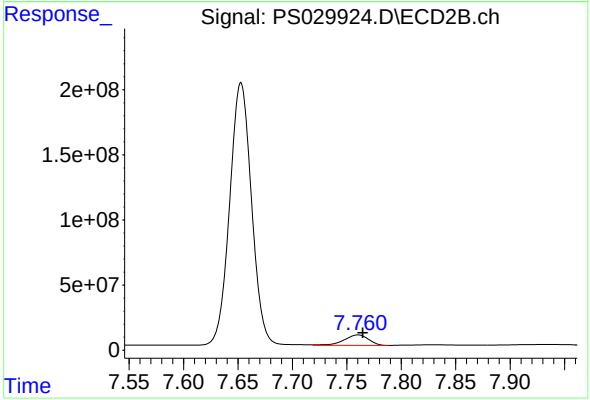
#5 DICAMBA

R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 2822792480
Conc: 714.62 ng/ml



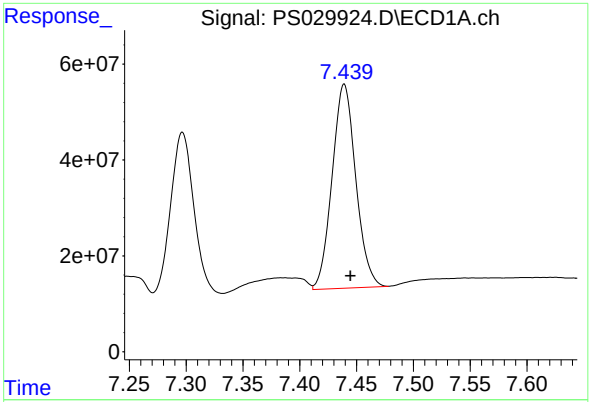
#6 MCPP

R.T.: 7.297 min
Delta R.T.: -0.004 min
Response: 467215325
Conc: 72.51 ug/ml



#6 MCPP

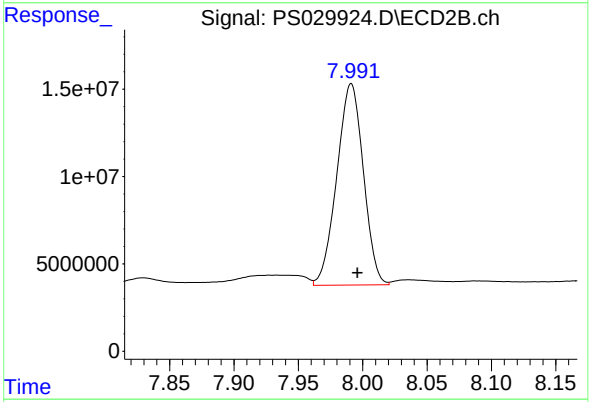
R.T.: 7.760 min
Delta R.T.: -0.004 min
Response: 127389122
Conc: 72.84 ug/ml



#7 MCPA

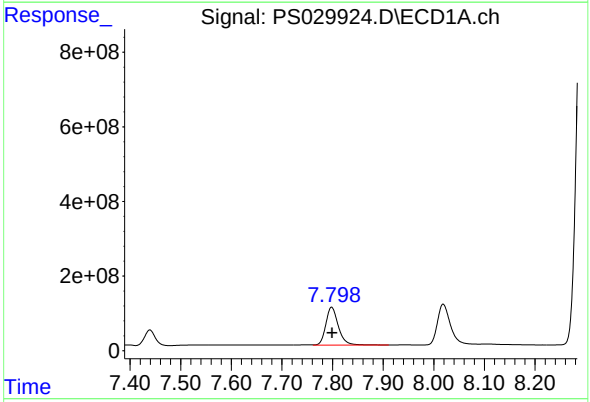
R.T.: 7.439 min
Delta R.T.: -0.005 min
Response: 617101386
Conc: 69.88 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325



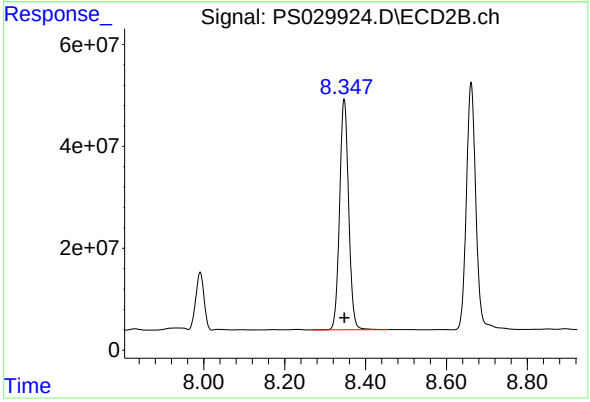
#7 MCPA

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 165509058
Conc: 69.96 ug/ml



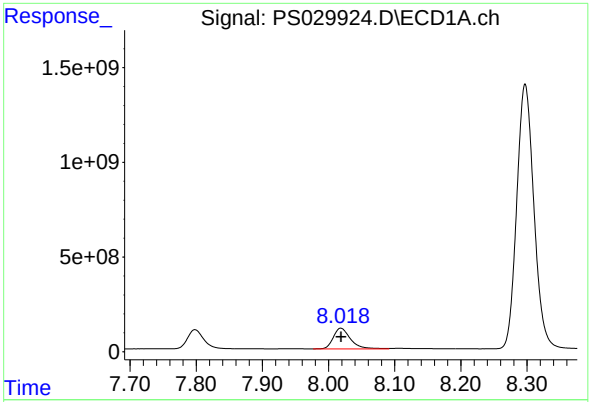
#8 DICHLORPROP

R.T.: 7.798 min
Delta R.T.: 0.000 min
Response: 1751547333
Conc: 691.19 ng/ml



#8 DICHLORPROP

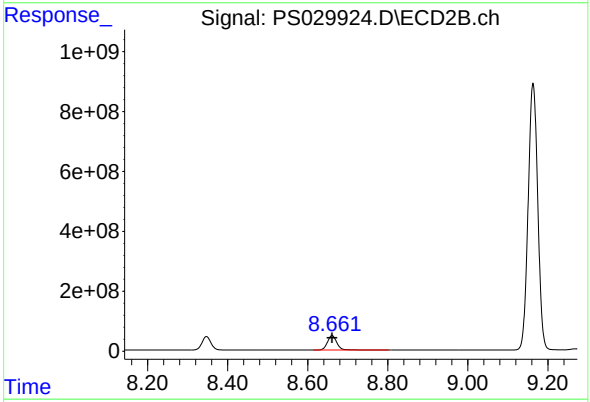
R.T.: 8.347 min
Delta R.T.: 0.000 min
Response: 702743426
Conc: 699.97 ng/ml



#9 2,4-D

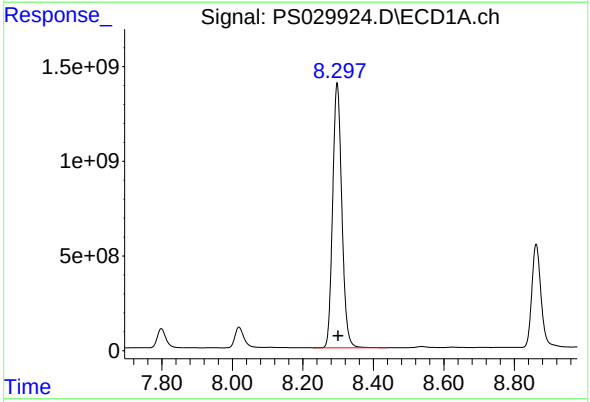
R.T.: 8.018 min
Delta R.T.: 0.000 min
Response: 1976784235
Conc: 702.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325



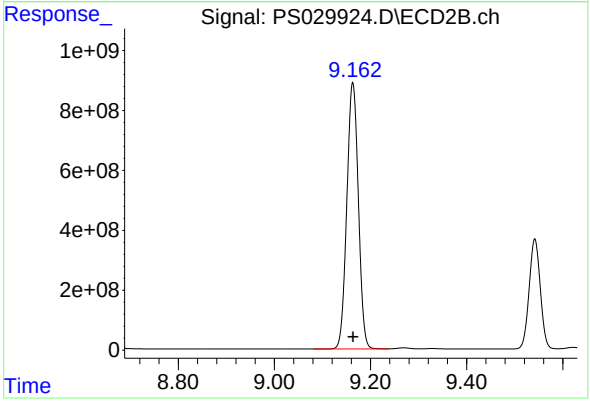
#9 2,4-D

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 789396429
Conc: 700.37 ng/ml



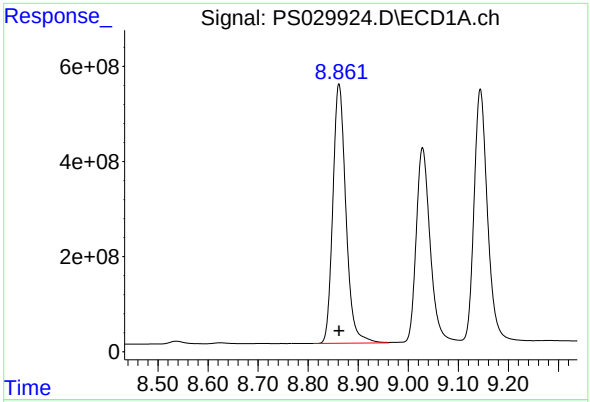
#10 Pentachlorophenol

R.T.: 8.297 min
Delta R.T.: -0.002 min
Response: 25231541630
Conc: 723.28 ng/ml



#10 Pentachlorophenol

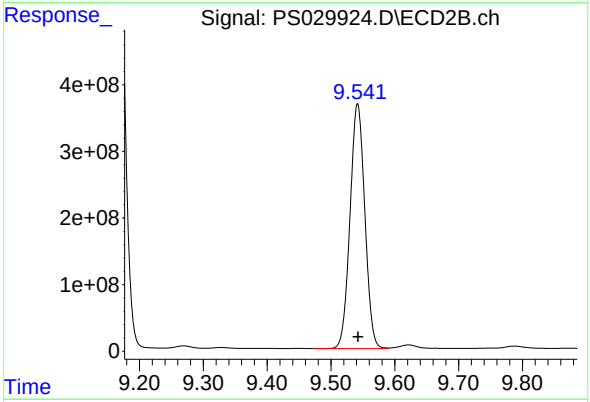
R.T.: 9.163 min
Delta R.T.: 0.000 min
Response: 14767707242
Conc: 725.87 ng/ml



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

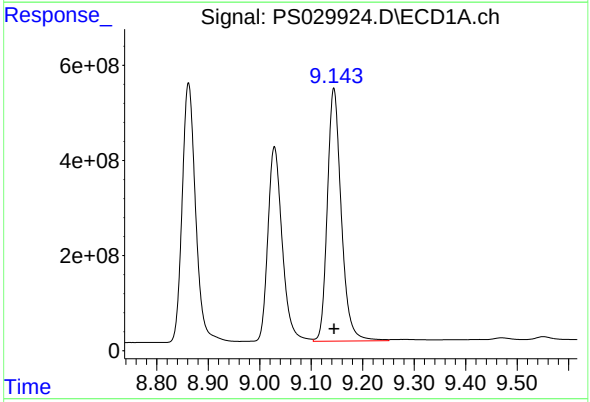
R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 9893987718
Conc: 713.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325



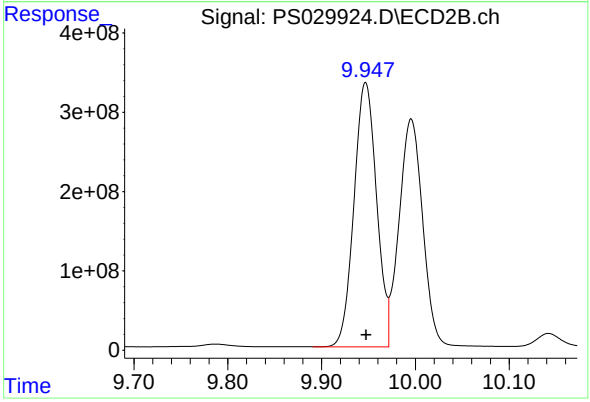
#11 2,4,5-TP (SILVEX)

R.T.: 9.542 min
Delta R.T.: 0.000 min
Response: 5913388172
Conc: 722.75 ng/ml



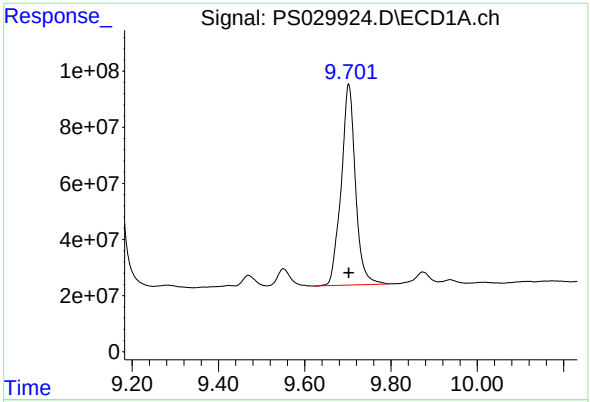
#12 2,4,5-T

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 9990461422
Conc: 710.91 ng/ml



#12 2,4,5-T

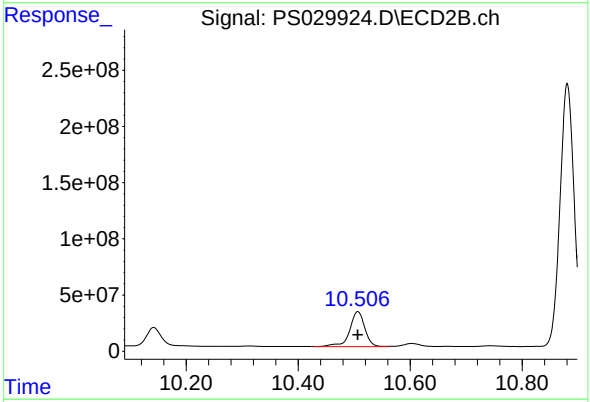
R.T.: 9.947 min
Delta R.T.: 0.000 min
Response: 5588639706
Conc: 719.94 ng/ml



#13 2,4-DB

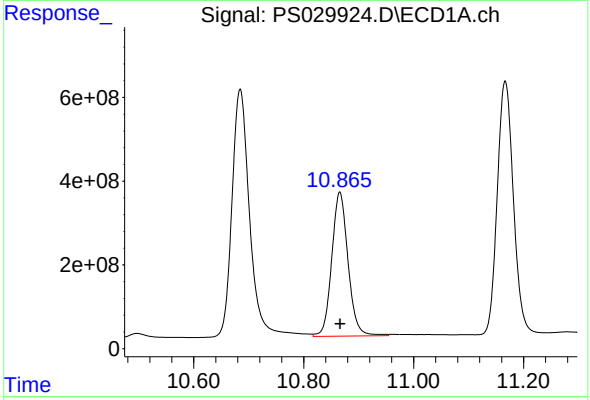
R.T.: 9.702 min
Delta R.T.: 0.000 min
Response: 1649385436
Conc: 721.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325



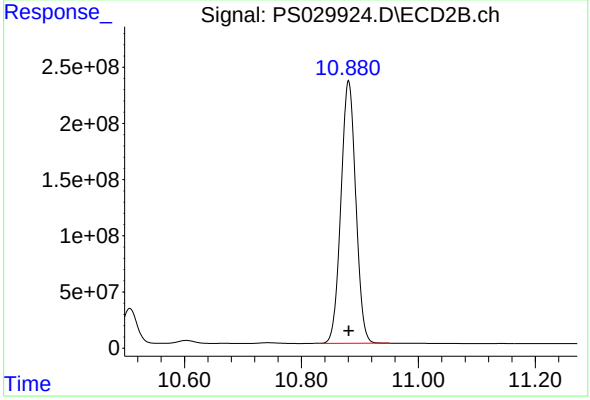
#13 2,4-DB

R.T.: 10.506 min
Delta R.T.: 0.000 min
Response: 582716222
Conc: 724.01 ng/ml



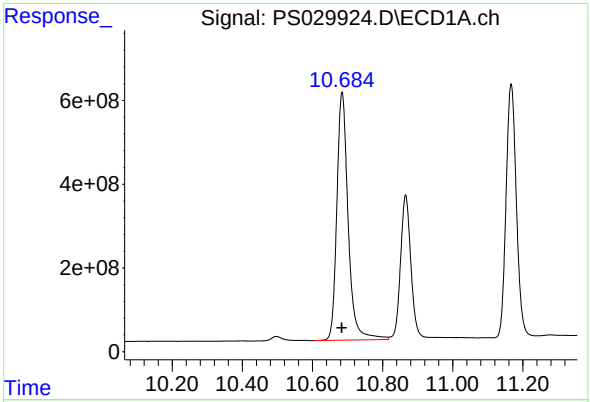
#14 DINOSEB

R.T.: 10.866 min
Delta R.T.: 0.000 min
Response: 7070677904
Conc: 695.01 ng/ml



#14 DINOSEB

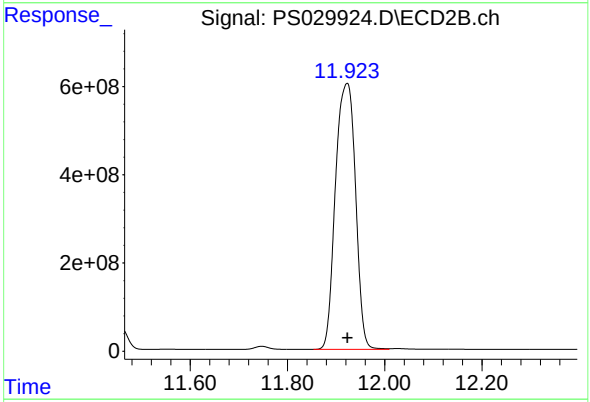
R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 4118901701
Conc: 706.38 ng/ml



#15 Picloram

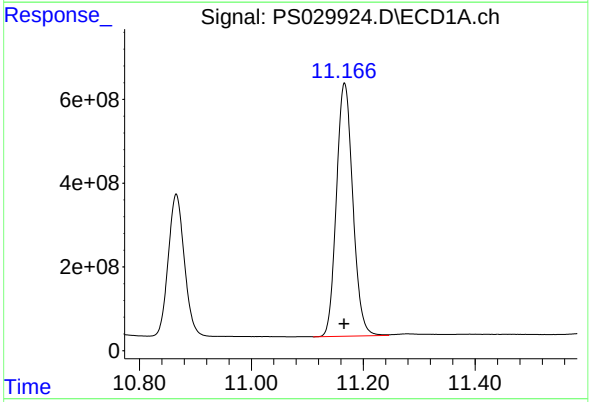
R.T.: 10.685 min
Delta R.T.: 0.000 min
Response: 13255096434
Conc: 723.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS042325



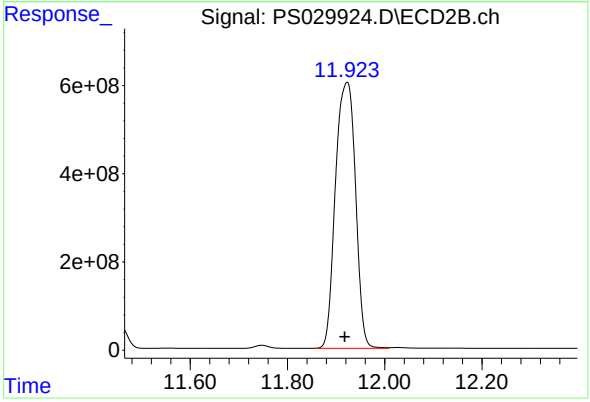
#15 Picloram

R.T.: 11.923 min
Delta R.T.: 0.000 min
Response: 17280627172
Conc: 1406.80 ng/ml



#16 DCPA

R.T.: 11.167 min
Delta R.T.: 0.000 min
Response: 12285496361
Conc: 721.78 ng/ml



#16 DCPA

R.T.: 11.923 min
Delta R.T.: 0.005 min
Response: 17280627172
Conc: 1533.10 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS029991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 01:22
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: May 01 01:46:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.939	7.463	1866.9E6	564.4E6	758.552	801.051
	Target Compounds						
1) T	Dalapon	2.449	2.523	2892.9E6	1234.8E6	706.400	711.228
2) T	3,5-DICHL...	6.143	6.460	2518.3E6	726.1E6	704.648	742.792
3) T	4-Nitroph...	6.729	6.996	1243.4E6	555.8E6	697.248	725.719
5) T	DICAMBA	7.116	7.649	7168.2E6	3087.4E6	723.855	781.611
6) T	MCPP	7.294	7.756	466.6E6	129.0E6	72.412	73.739
7) T	MCPA	7.437	7.986	642.6E6	171.6E6	72.763	72.534
8) T	DICHLORPROP	7.796	8.342	1785.1E6	760.6E6	704.424	757.567
9) T	2,4-D	8.016	8.655	2013.0E6	843.4E6	715.648	748.243
10) T	Pentachlo...	8.294	9.156	25792.5E6	16172.6E6	739.359	794.924
11) T	2,4,5-TP ...	8.858	9.534	10127.5E6	6432.9E6	730.547	786.255
12) T	2,4,5-T	9.141	9.938	10350.9E6	6030.3E6	736.554	776.838
13) T	2,4-DB	9.699	10.497	1746.3E6	586.9E6	764.144	729.270
14) T	DINOSEB	10.861	10.870	7271.9E6	4421.7E6	714.798	758.306
15) T	Picloram	10.680	11.908	13551.6E6	18335.9E6	739.289	1492.711 #
16) T	DCPA	11.163	11.908	12619.6E6	18335.9E6	741.412	1626.729 #

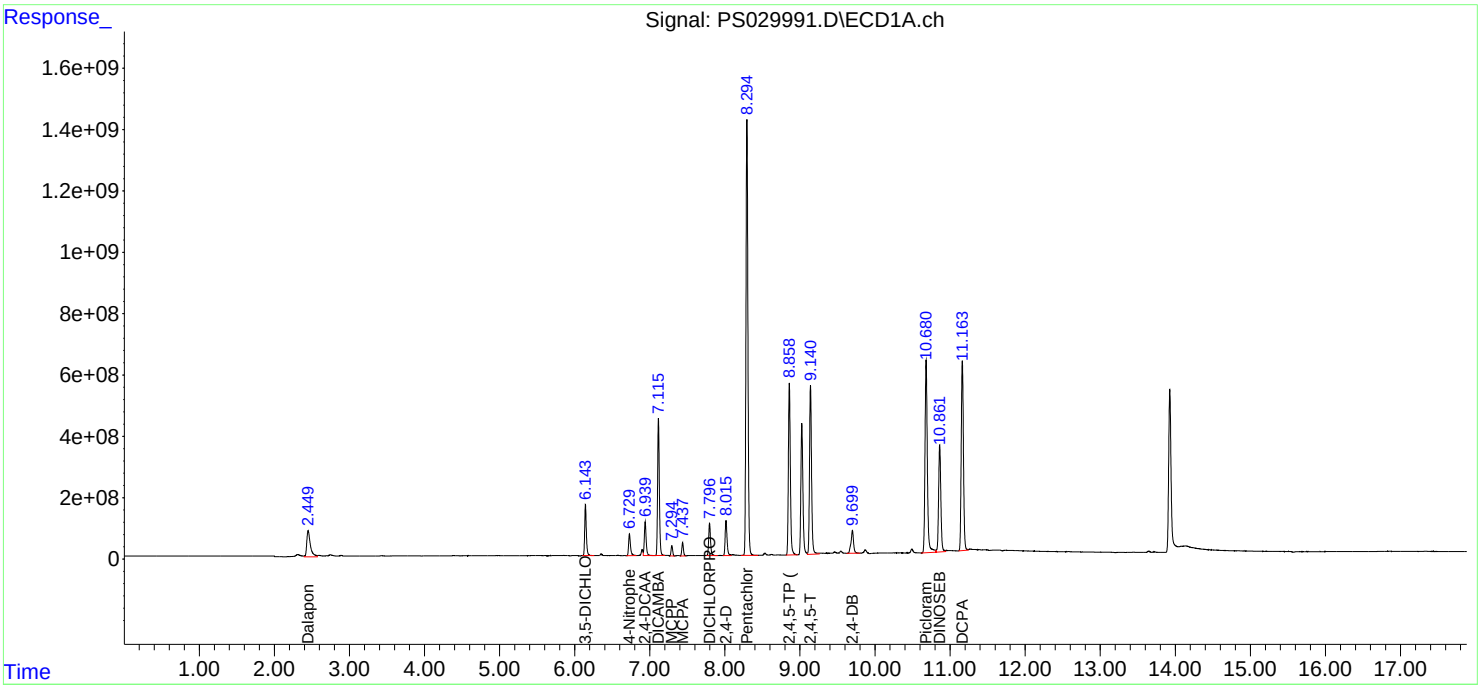
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

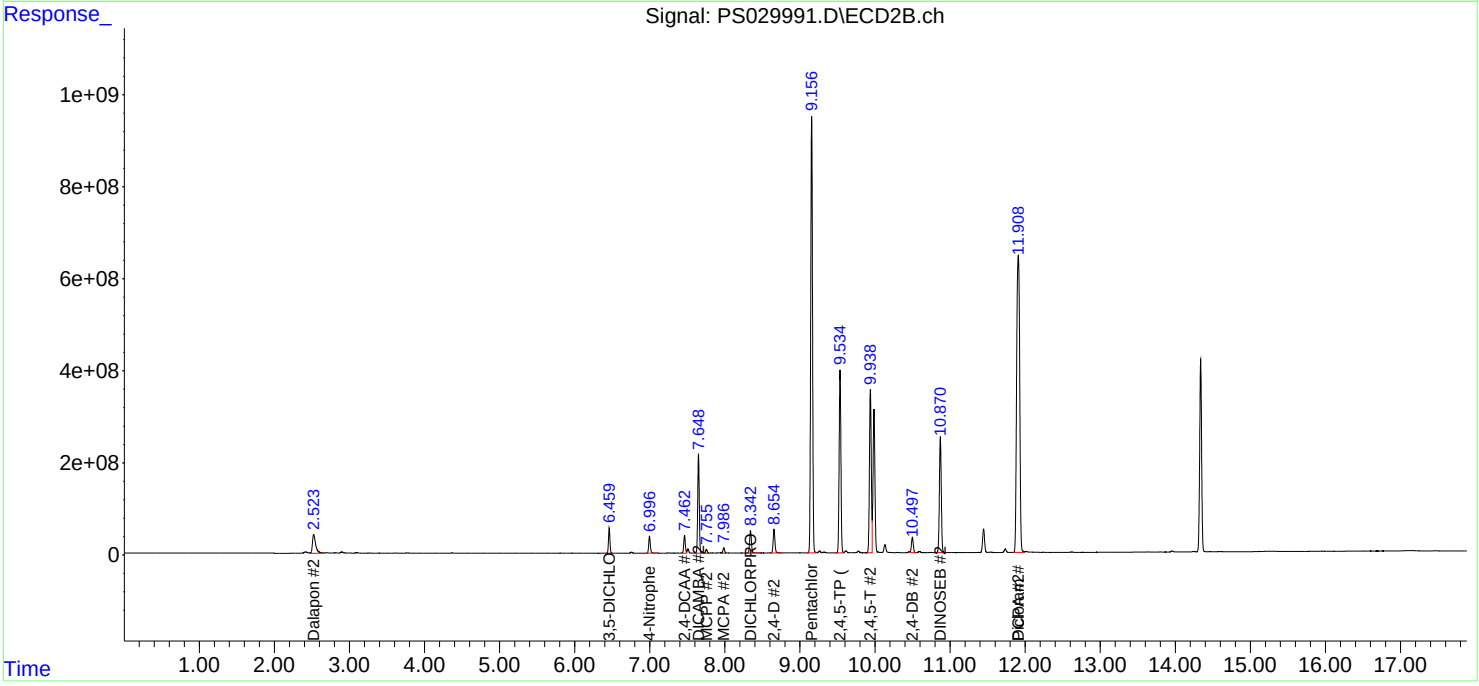
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS029991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 01:22
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

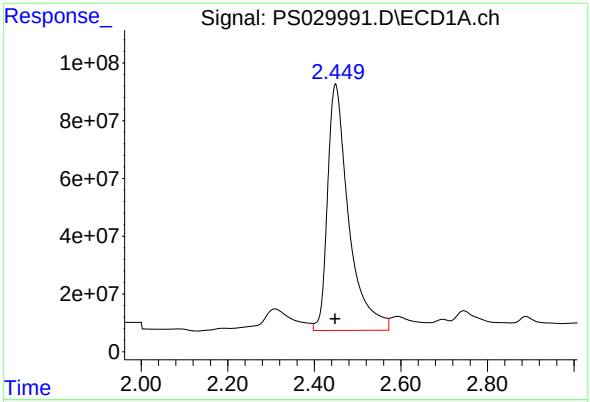
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 01:46:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



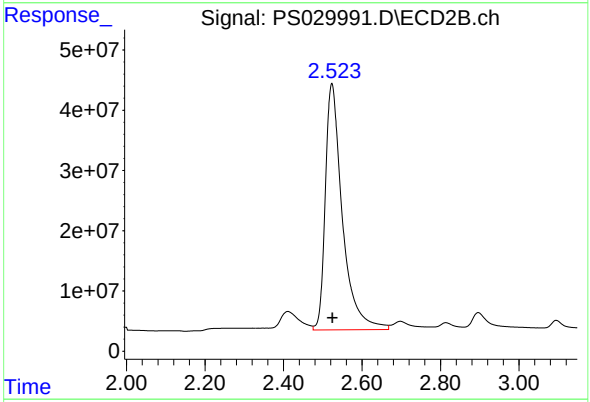




#1 Dalapon

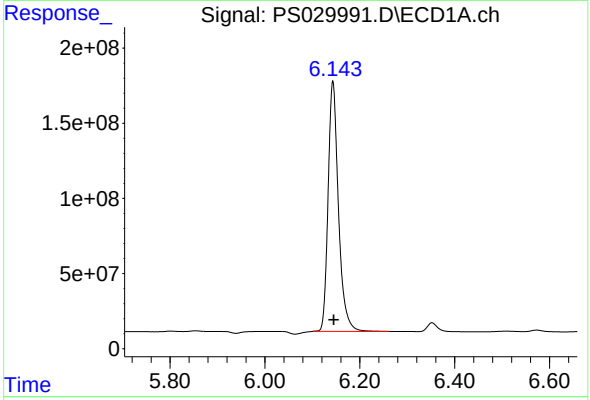
R.T.: 2.449 min
Delta R.T.: 0.001 min
Response: 2892891563
Conc: 706.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



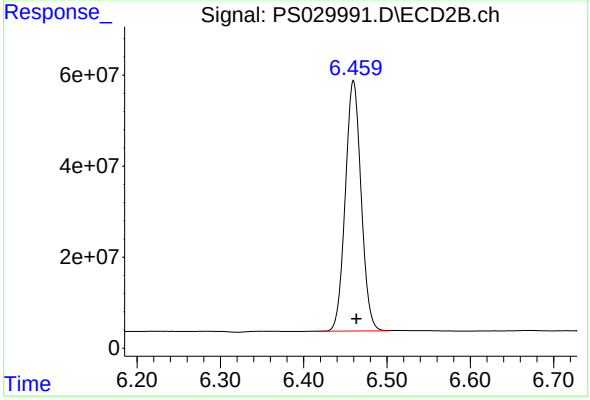
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: -0.001 min
Response: 1234794085
Conc: 711.23 ng/ml



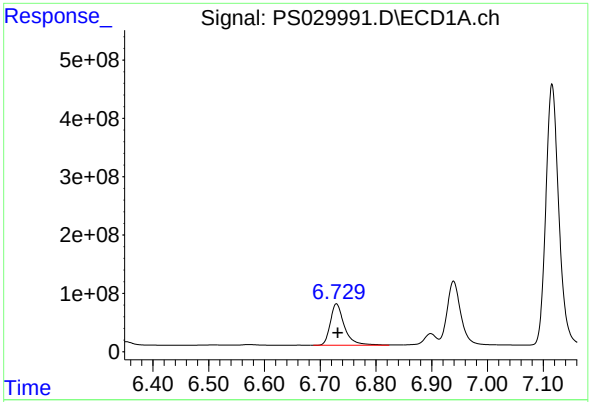
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.143 min
Delta R.T.: -0.002 min
Response: 2518260122
Conc: 704.65 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

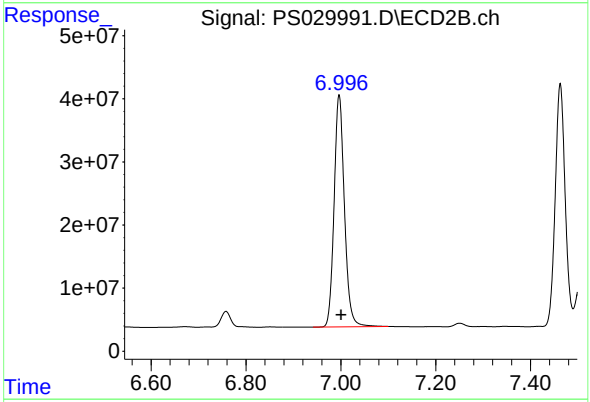
R.T.: 6.460 min
Delta R.T.: -0.003 min
Response: 726137732
Conc: 742.79 ng/ml



#3 4-Nitrophenol

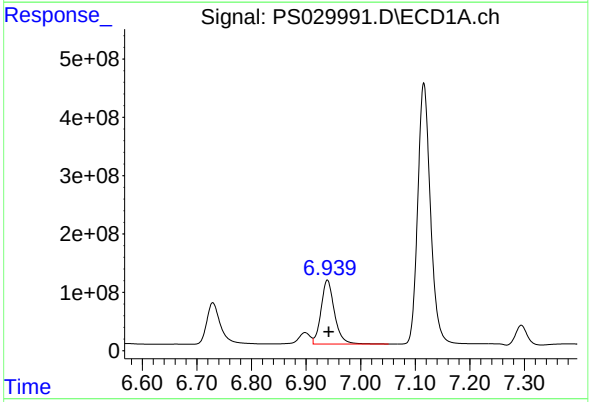
R.T.: 6.729 min
Delta R.T.: -0.002 min
Response: 1243415669
Conc: 697.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



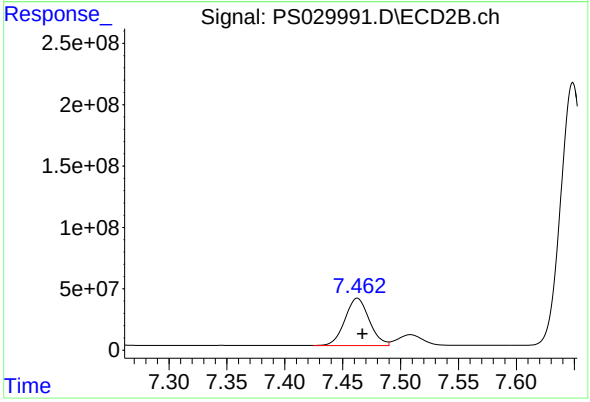
#3 4-Nitrophenol

R.T.: 6.996 min
Delta R.T.: -0.004 min
Response: 555843920
Conc: 725.72 ng/ml



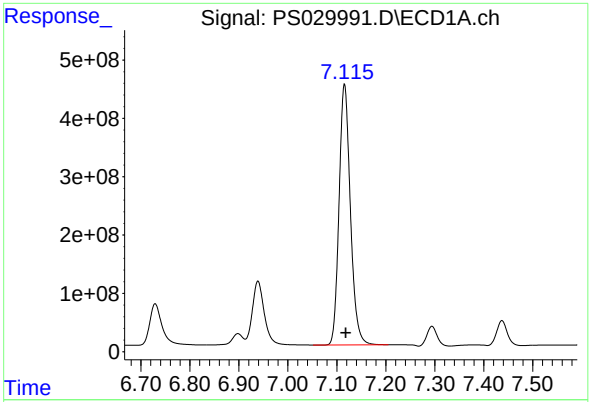
#4 2,4-DCAA

R.T.: 6.939 min
Delta R.T.: -0.002 min
Response: 1866856353
Conc: 758.55 ng/ml



#4 2,4-DCAA

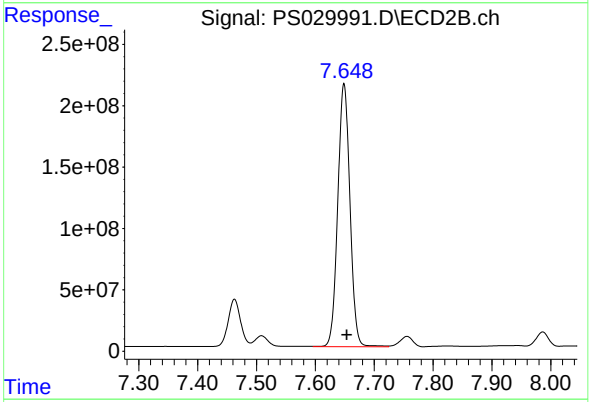
R.T.: 7.463 min
Delta R.T.: -0.004 min
Response: 564353935
Conc: 801.05 ng/ml



#5 DICAMBA

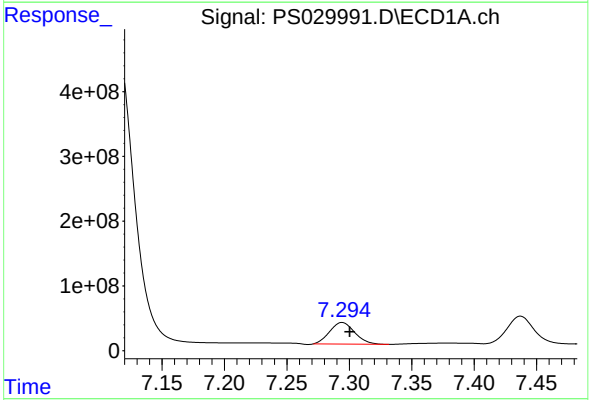
R.T.: 7.116 min
Delta R.T.: -0.002 min
Response: 7168239889
Conc: 723.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



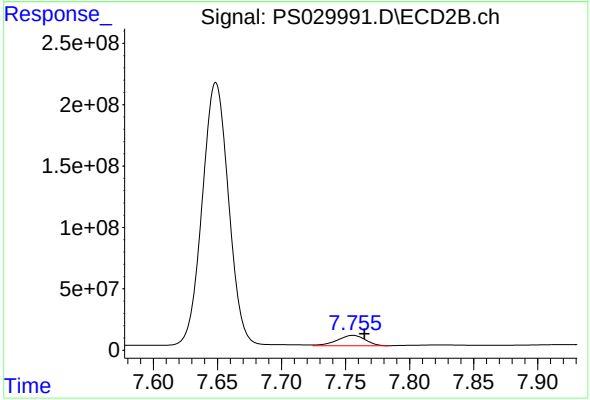
#5 DICAMBA

R.T.: 7.649 min
Delta R.T.: -0.005 min
Response: 3087414925
Conc: 781.61 ng/ml



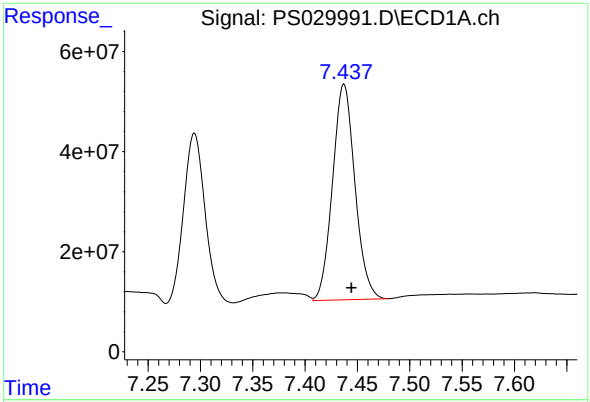
#6 MCPP

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 466598554
Conc: 72.41 ug/ml



#6 MCPP

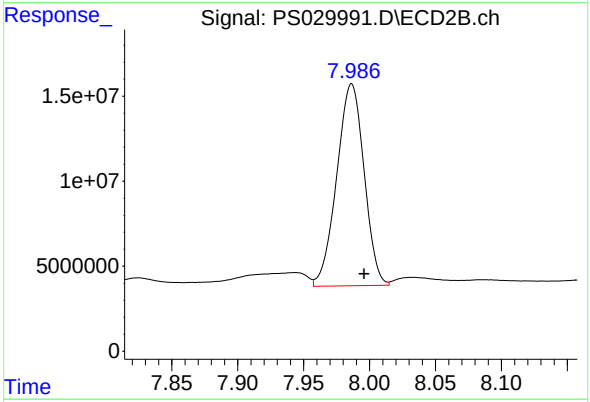
R.T.: 7.756 min
Delta R.T.: -0.009 min
Response: 128965896
Conc: 73.74 ug/ml



#7 MCPA

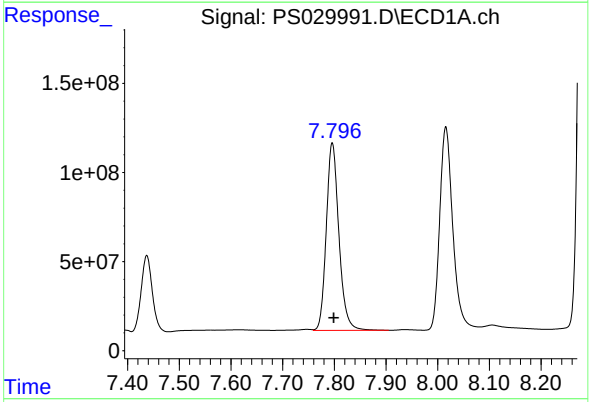
R.T.: 7.437 min
Delta R.T.: -0.007 min
Response: 642595119
Conc: 72.76 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



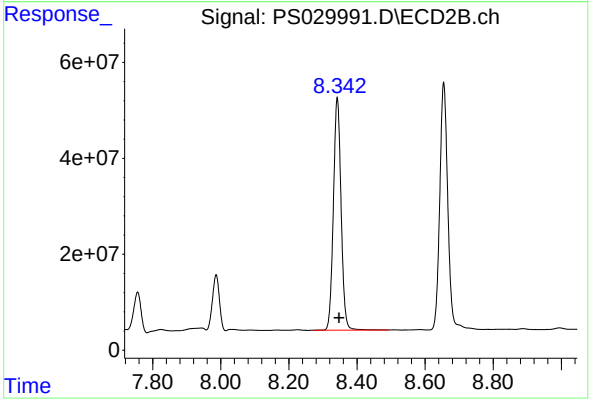
#7 MCPA

R.T.: 7.986 min
Delta R.T.: -0.009 min
Response: 171601600
Conc: 72.53 ug/ml



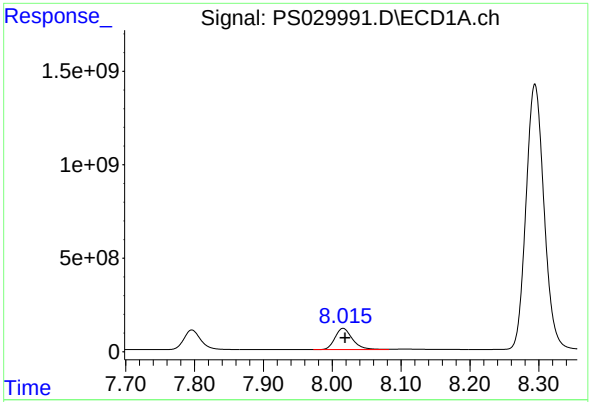
#8 DICHLORPROP

R.T.: 7.796 min
Delta R.T.: -0.003 min
Response: 1785086910
Conc: 704.42 ng/ml



#8 DICHLORPROP

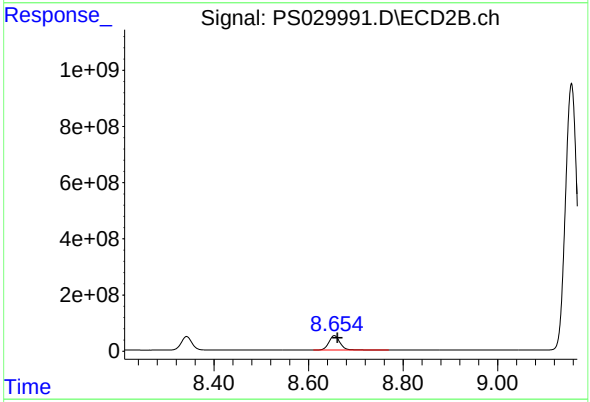
R.T.: 8.342 min
Delta R.T.: -0.006 min
Response: 760570474
Conc: 757.57 ng/ml



#9 2,4-D

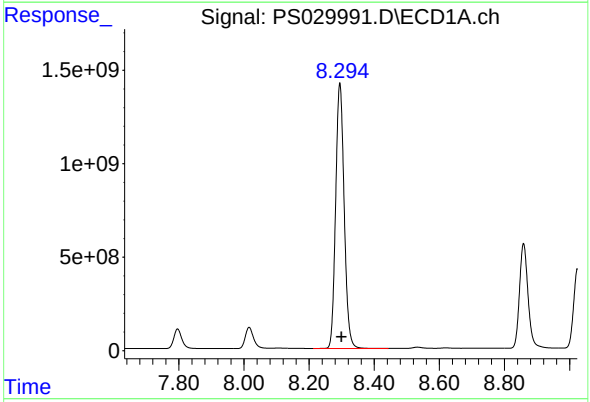
R.T.: 8.016 min
Delta R.T.: -0.003 min
Response: 2013024091
Conc: 715.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



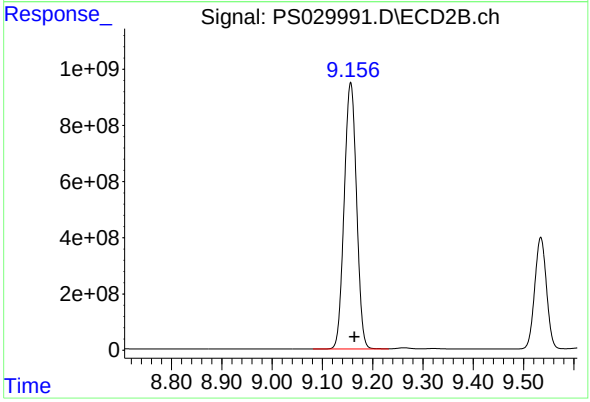
#9 2,4-D

R.T.: 8.655 min
Delta R.T.: -0.007 min
Response: 843350175
Conc: 748.24 ng/ml



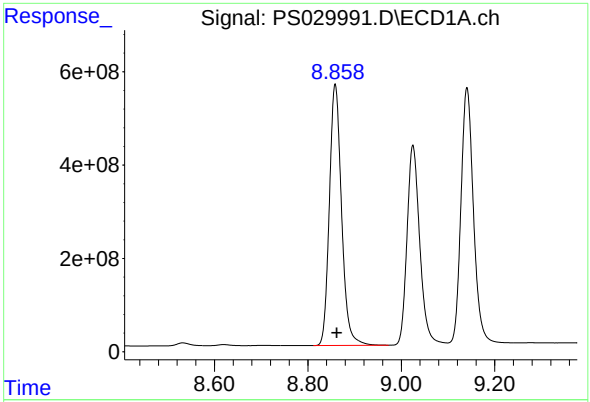
#10 Pentachlorophenol

R.T.: 8.294 min
Delta R.T.: -0.005 min
Response: 25792542501
Conc: 739.36 ng/ml



#10 Pentachlorophenol

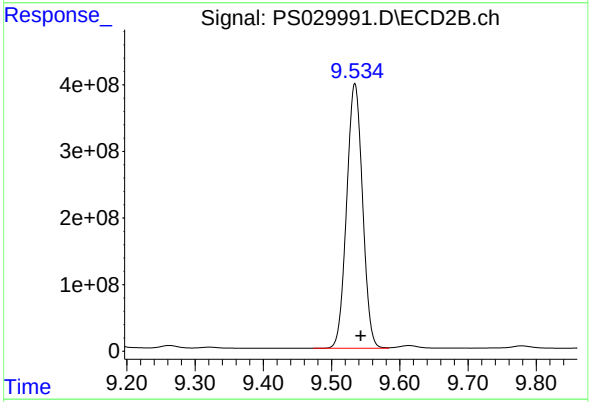
R.T.: 9.156 min
Delta R.T.: -0.007 min
Response: 16172585032
Conc: 794.92 ng/ml



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

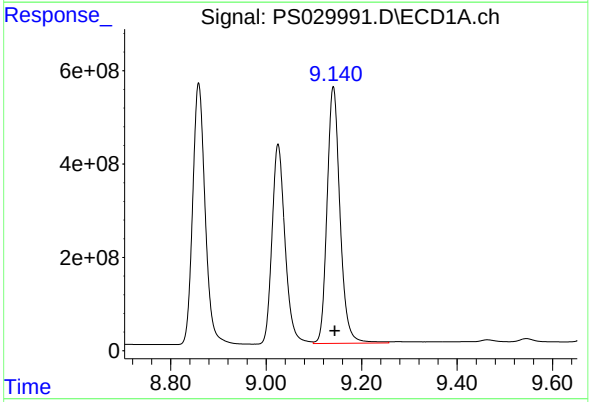
R.T.: 8.858 min
Delta R.T.: -0.004 min
Response: 10127462888
Conc: 730.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



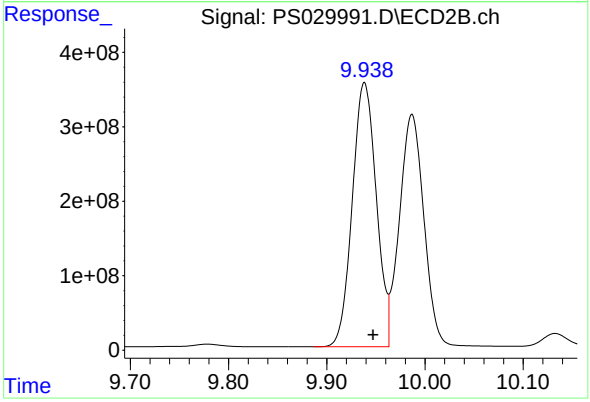
#11 2,4,5-TP (SILVEX)

R.T.: 9.534 min
Delta R.T.: -0.008 min
Response: 6432945338
Conc: 786.26 ng/ml



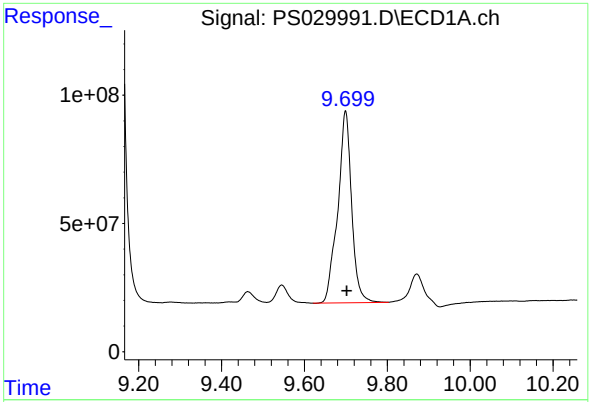
#12 2,4,5-T

R.T.: 9.141 min
Delta R.T.: -0.003 min
Response: 10350875514
Conc: 736.55 ng/ml



#12 2,4,5-T

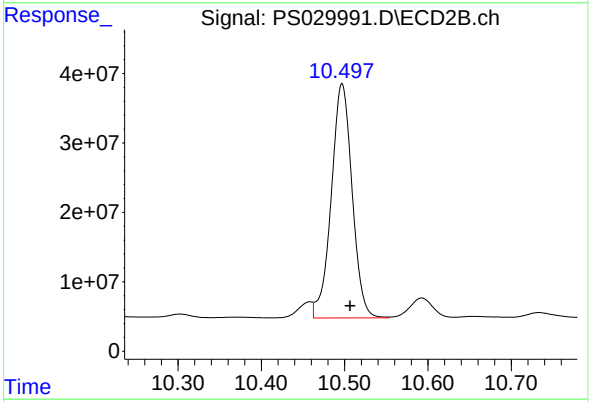
R.T.: 9.938 min
Delta R.T.: -0.009 min
Response: 6030280570
Conc: 776.84 ng/ml



#13 2,4-DB

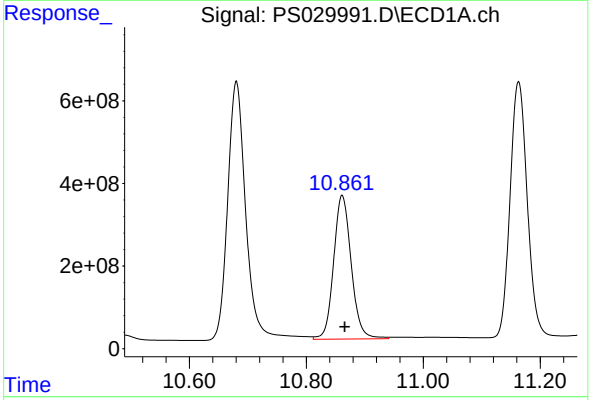
R.T.: 9.699 min
Delta R.T.: -0.003 min
Response: 1746342018
Conc: 764.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



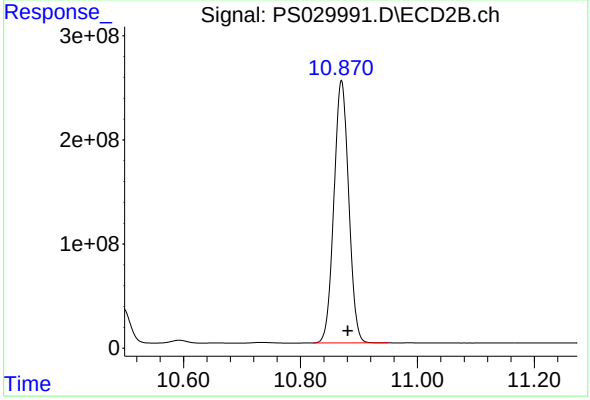
#13 2,4-DB

R.T.: 10.497 min
Delta R.T.: -0.010 min
Response: 586947234
Conc: 729.27 ng/ml



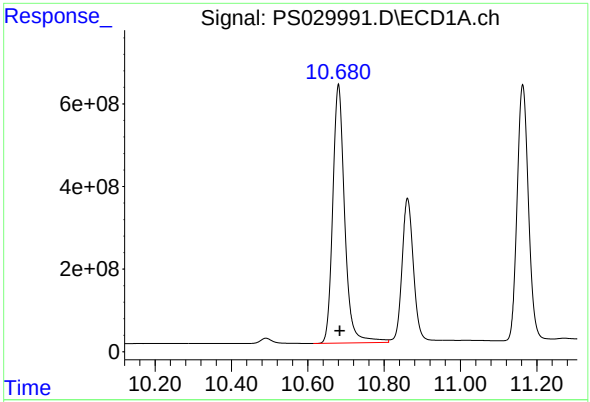
#14 DINOSEB

R.T.: 10.861 min
Delta R.T.: -0.005 min
Response: 7271944355
Conc: 714.80 ng/ml



#14 DINOSEB

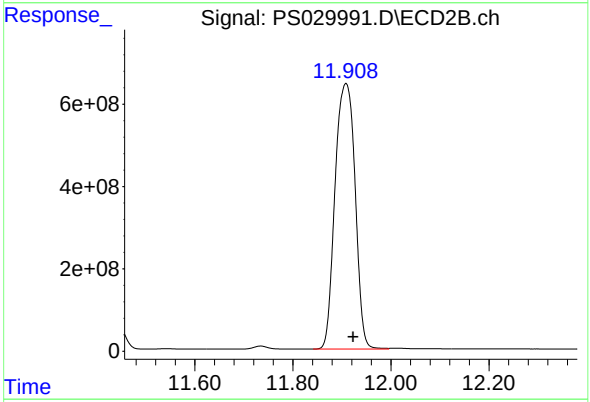
R.T.: 10.870 min
Delta R.T.: -0.011 min
Response: 4421665636
Conc: 758.31 ng/ml



#15 Picloram

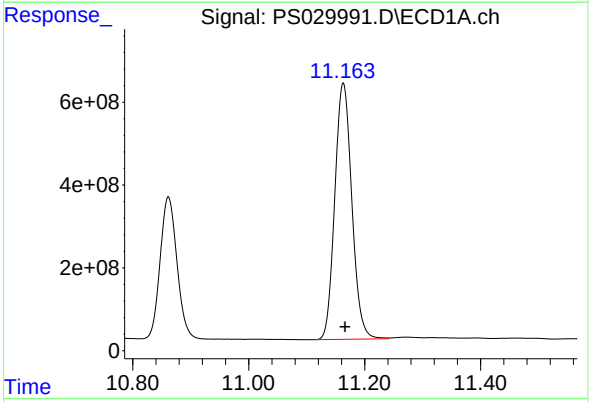
R.T.: 10.680 min
Delta R.T.: -0.003 min
Response: 13551620682
Conc: 739.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



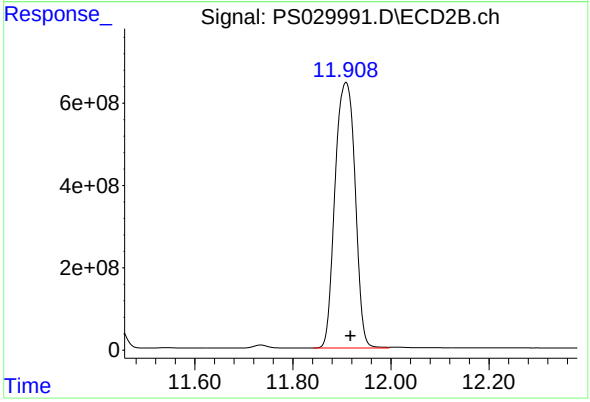
#15 Picloram

R.T.: 11.908 min
Delta R.T.: -0.015 min
Response: 18335929223
Conc: 1492.71 ng/ml



#16 DCPA

R.T.: 11.163 min
Delta R.T.: -0.003 min
Response: 12619577763
Conc: 741.41 ng/ml



#16 DCPA

R.T.: 11.908 min
Delta R.T.: -0.009 min
Response: 18335929223
Conc: 1626.73 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS029999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 04:34
Operator : AR\AJ
Sample : Q1906-05MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
WC-5MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 04:56:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.919	7.462	2352.7E6	1067.4E6	955.960	1515.125 #
	Target Compounds						
1) T	Dalapon	2.442	2.515	2778.7E6	1703.5E6	678.528	981.208 #
2) T	3,5-DICHL...	6.143	6.459	1011.1E6	276.7E6	282.908	283.063
3) T	4-Nitroph...	6.705	7.033	108.8E6	299.8E6	60.990	391.398 #
5) T	DICAMBA	7.115	7.647	2969.9E6	1301.2E6	299.901	329.411
6) T	MCPP	7.292	7.739	169.1E6	167.6E6	26.245	95.838 #
7) T	MCPA	7.434	7.981	275.9E6	85484678	31.237	36.133
8) T	DICHLORPROP	7.796	8.341	864.6E6	340.2E6	341.197	338.858
9) T	2,4-D	8.015	8.654	1168.3E6	453.2E6	415.356	402.054
10) T	Pentachlo...	8.294	9.155	5798.7E6	3568.2E6	166.225	175.388
11) T	2,4,5-TP ...	8.858	9.534	2407.1E6	2166.3E6	173.635	264.772 #
12) T	2,4,5-T	9.140	9.938	3632.2E6	2158.8E6	258.462	278.109
13) T	2,4-DB	9.700	10.495	428.5E6	244.5E6	187.506	303.752 #
15) T	Picloram	10.680	11.901	5787.6E6	9016.2E6	315.734	734.001 #
16) T	DCPA	11.163	11.901	6544.8E6	9016.2E6	384.512	799.901 #

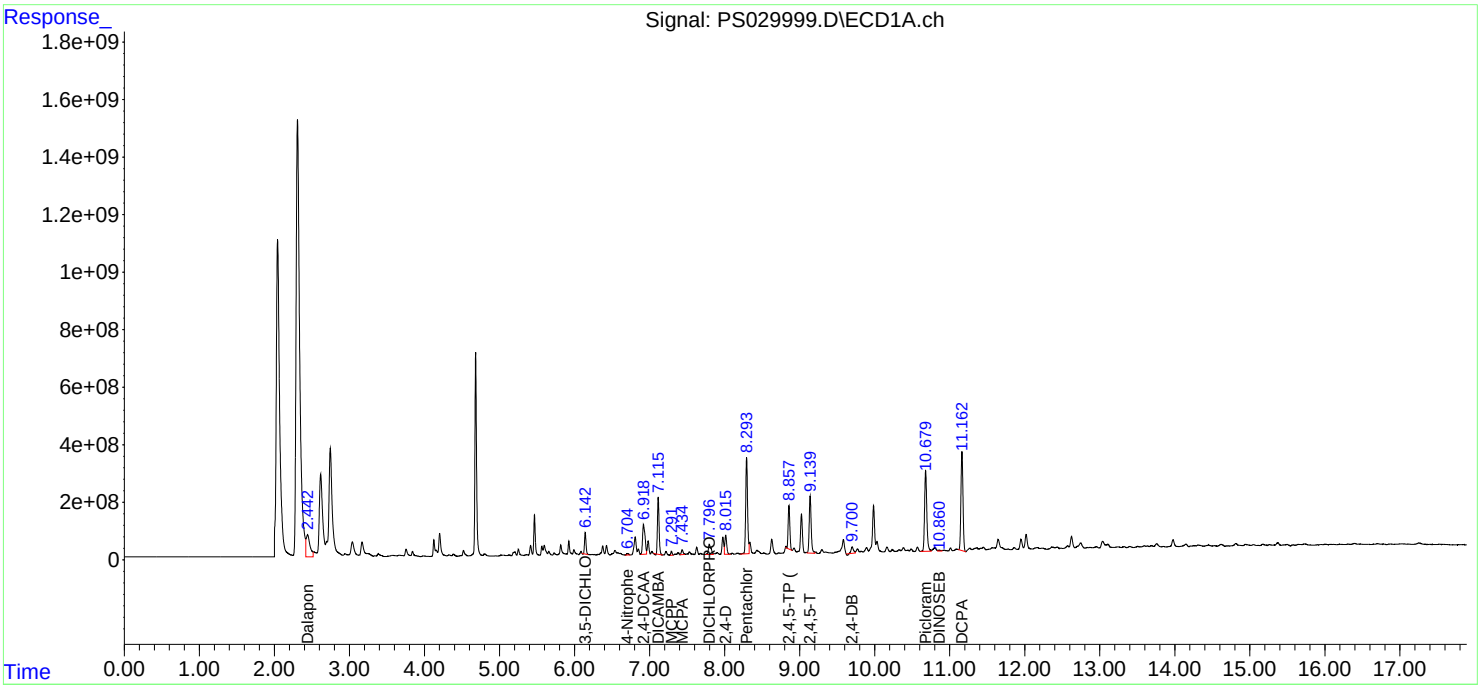
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

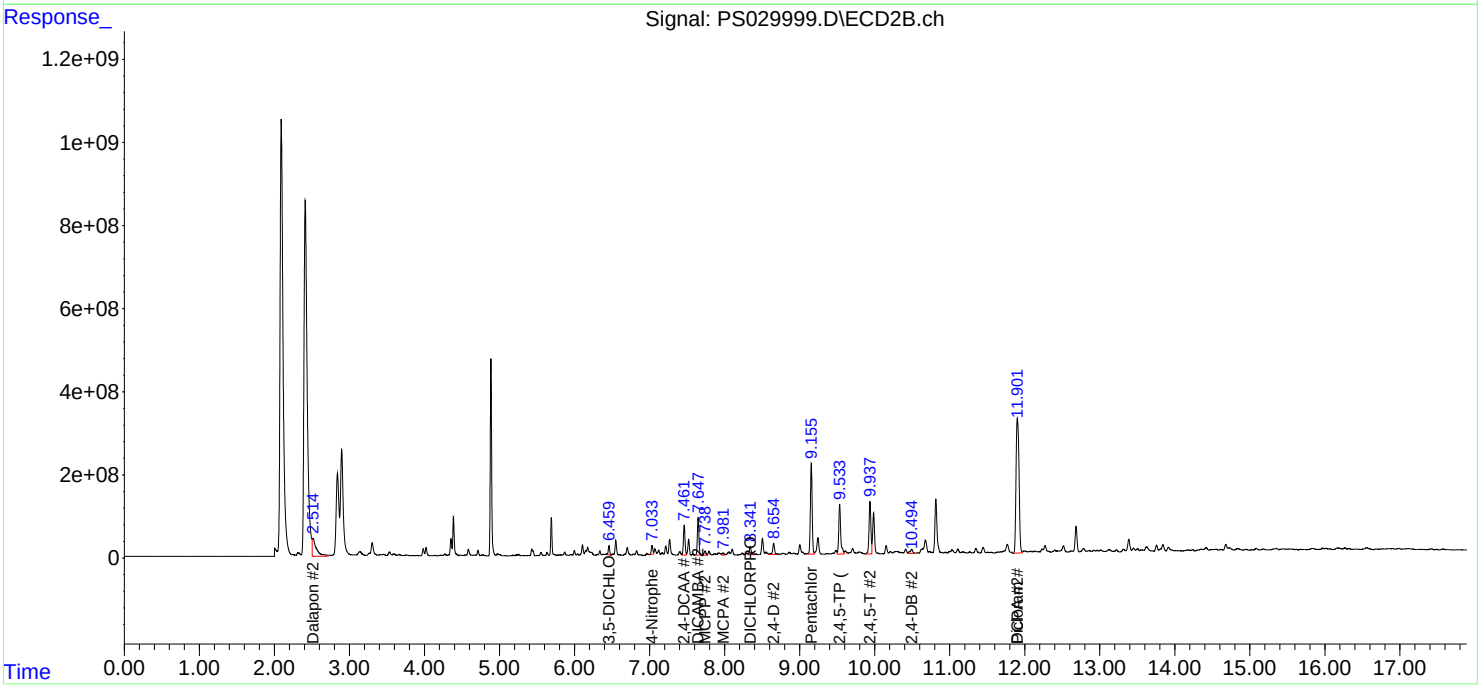
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS029999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 04:34
Operator : AR\AJ
Sample : Q1906-05MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

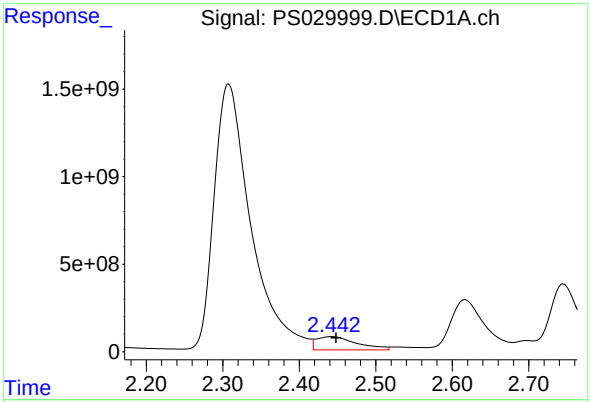
Instrument :
ECD_S
ClientSampleId :
WC-5MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 04:56:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



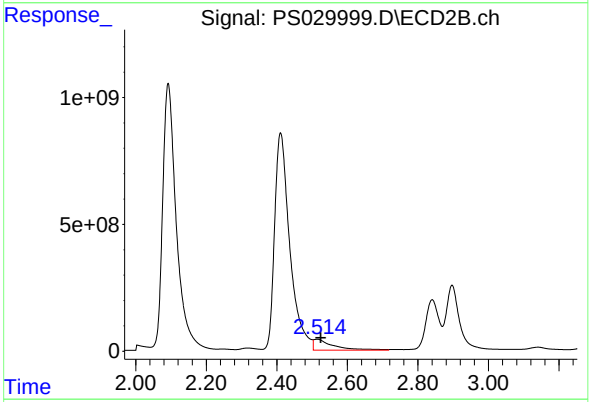




#1 Dalapon

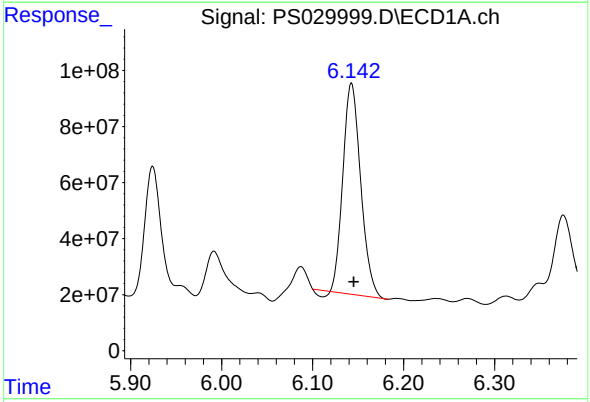
R.T.: 2.442 min
Delta R.T.: -0.006 min
Response: 2778749021
Conc: 678.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MS



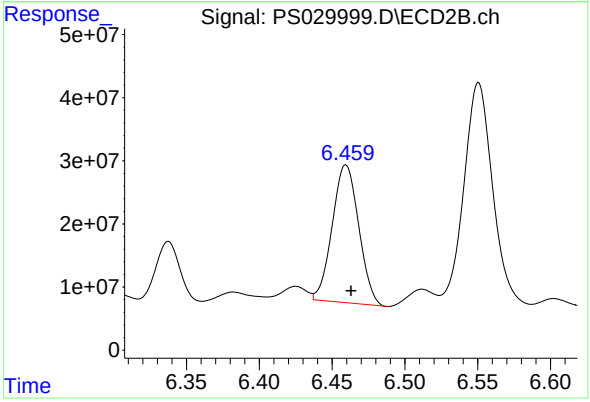
#1 Dalapon

R.T.: 2.515 min
Delta R.T.: -0.010 min
Response: 1703518196
Conc: 981.21 ng/ml



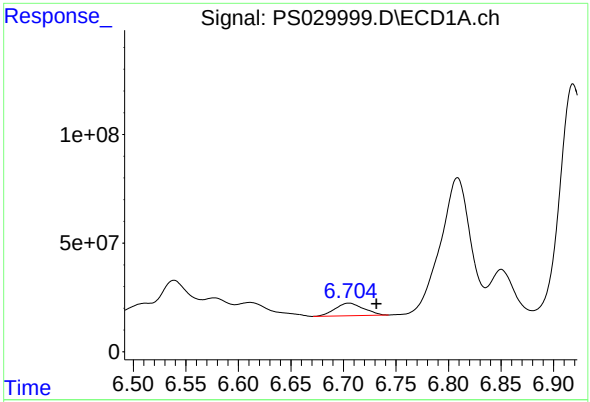
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.143 min
Delta R.T.: -0.003 min
Response: 1011053759
Conc: 282.91 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

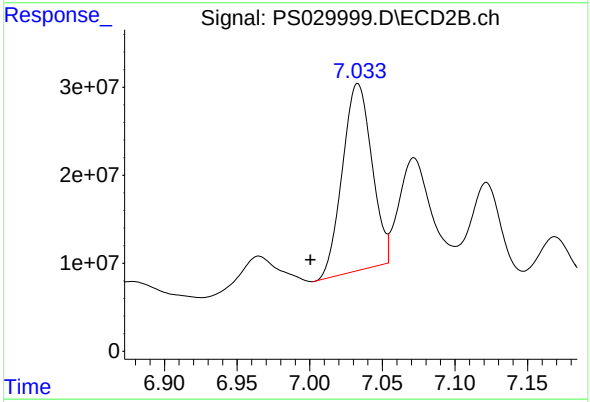
R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 276716083
Conc: 283.06 ng/ml



#3 4-Nitrophenol

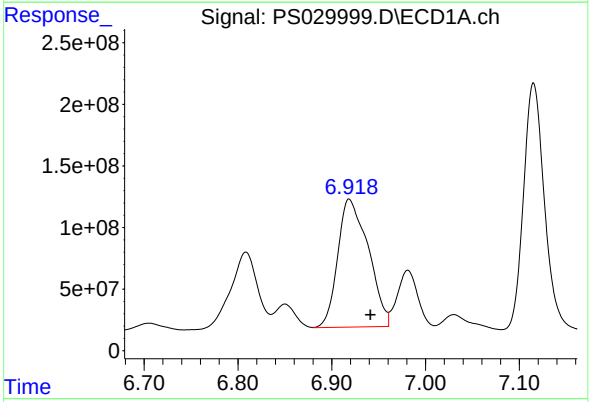
R.T.: 6.705 min
Delta R.T.: -0.026 min
Response: 108765273
Conc: 60.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MS



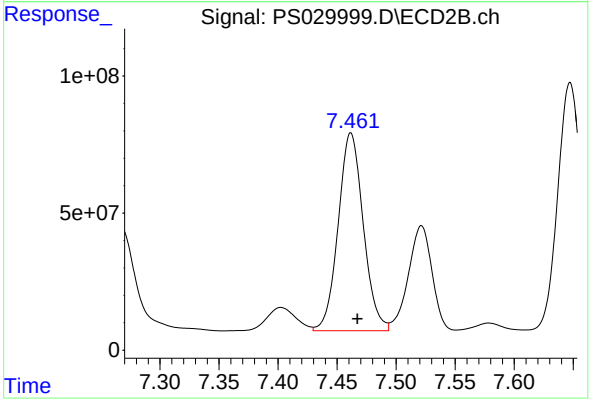
#3 4-Nitrophenol

R.T.: 7.033 min
Delta R.T.: 0.033 min
Response: 299779817
Conc: 391.40 ng/ml



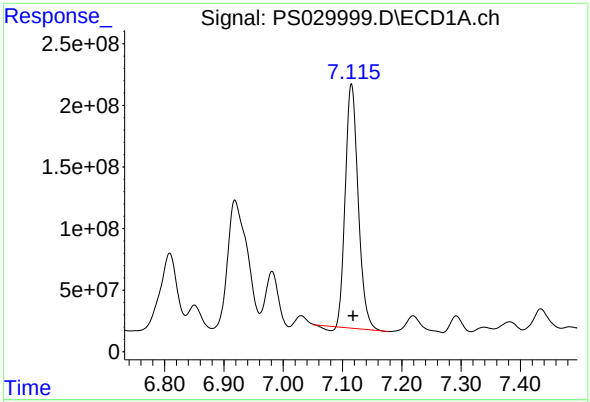
#4 2,4-DCAA

R.T.: 6.919 min
Delta R.T.: -0.022 min
Response: 2352694270
Conc: 955.96 ng/ml



#4 2,4-DCAA

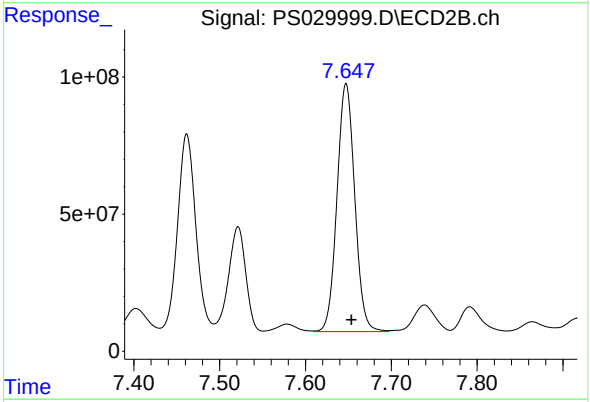
R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 1067430949
Conc: 1515.12 ng/ml



#5 DICAMBA

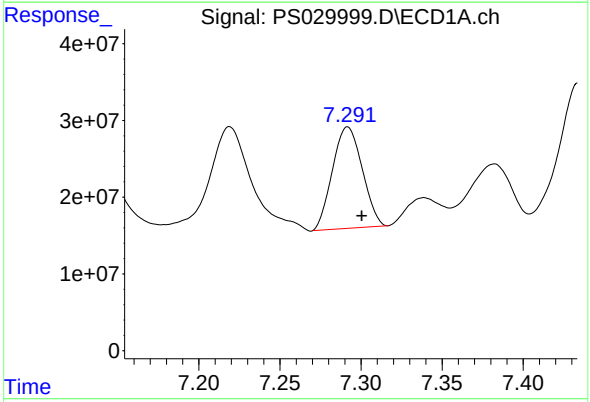
R.T.: 7.115 min
Delta R.T.: -0.003 min
Response: 2969877314
Conc: 299.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MS



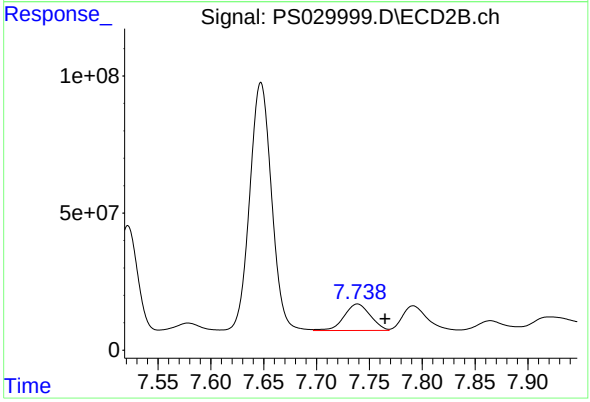
#5 DICAMBA

R.T.: 7.647 min
Delta R.T.: -0.006 min
Response: 1301192862
Conc: 329.41 ng/ml



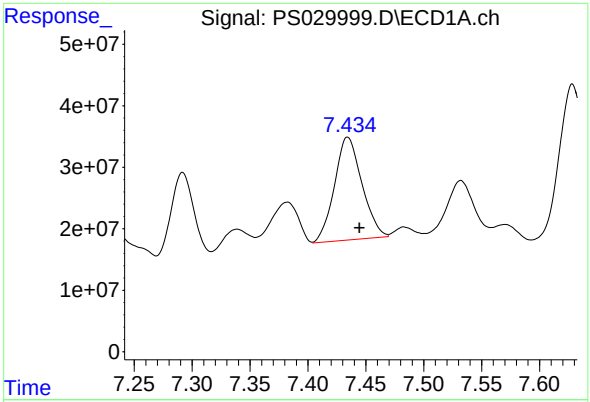
#6 MCPP

R.T.: 7.292 min
Delta R.T.: -0.009 min
Response: 169114247
Conc: 26.25 ug/ml



#6 MCPP

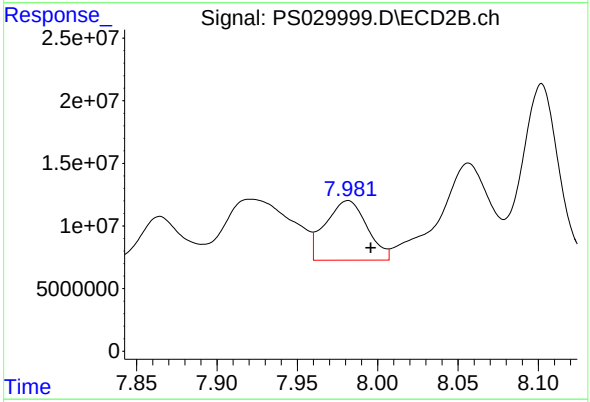
R.T.: 7.739 min
Delta R.T.: -0.026 min
Response: 167616033
Conc: 95.84 ug/ml



#7 MCPA

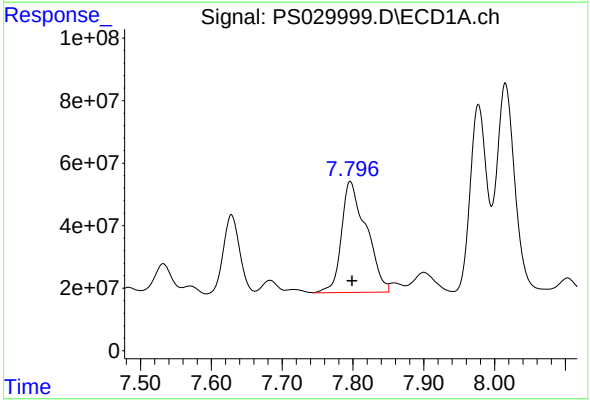
R.T.: 7.434 min
Delta R.T.: -0.010 min
Response: 275866896
Conc: 31.24 ug/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MS



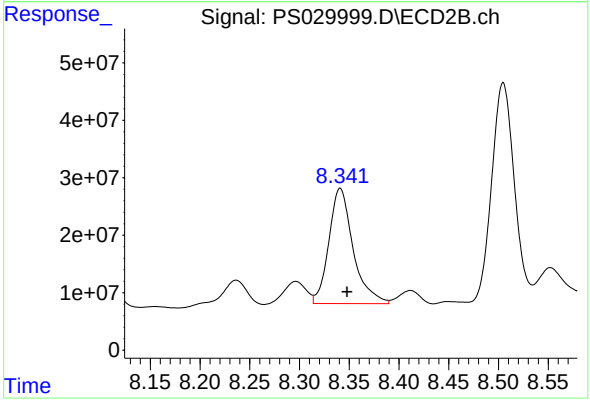
#7 MCPA

R.T.: 7.981 min
Delta R.T.: -0.014 min
Response: 85484678
Conc: 36.13 ug/ml



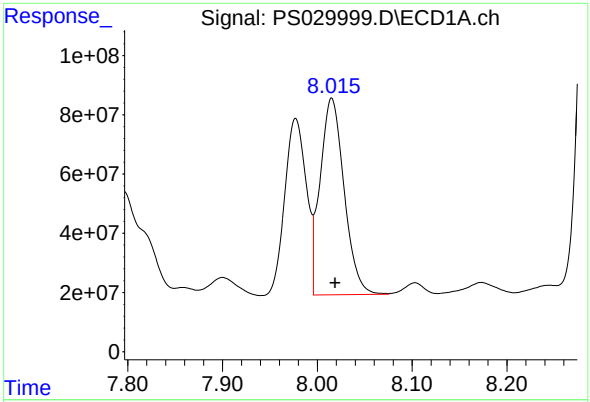
#8 DICHLORPROP

R.T.: 7.796 min
Delta R.T.: -0.003 min
Response: 864629774
Conc: 341.20 ng/ml



#8 DICHLORPROP

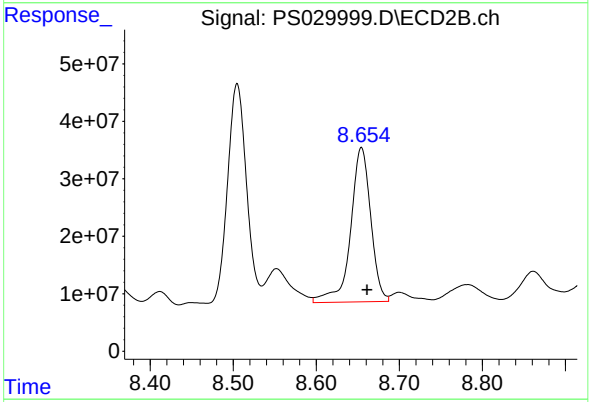
R.T.: 8.341 min
Delta R.T.: -0.007 min
Response: 340201612
Conc: 338.86 ng/ml



#9 2,4-D

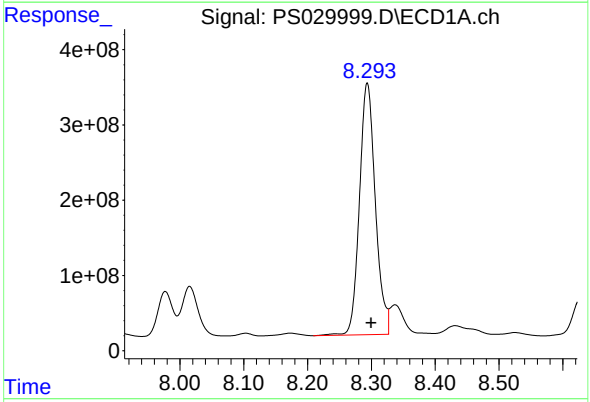
R.T.: 8.015 min
Delta R.T.: -0.004 min
Response: 1168343085
Conc: 415.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MS



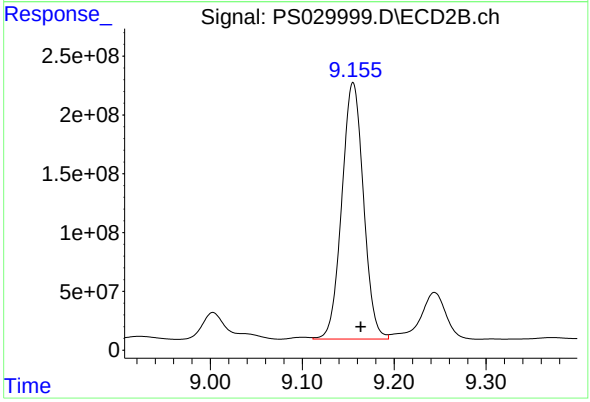
#9 2,4-D

R.T.: 8.654 min
Delta R.T.: -0.007 min
Response: 453157976
Conc: 402.05 ng/ml



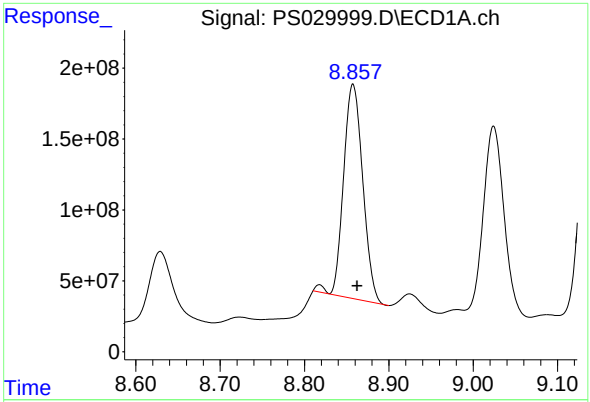
#10 Pentachlorophenol

R.T.: 8.294 min
Delta R.T.: -0.006 min
Response: 5798748268
Conc: 166.22 ng/ml



#10 Pentachlorophenol

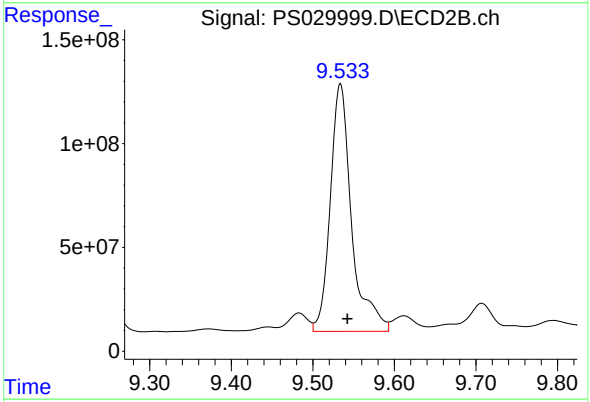
R.T.: 9.155 min
Delta R.T.: -0.008 min
Response: 3568229586
Conc: 175.39 ng/ml



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

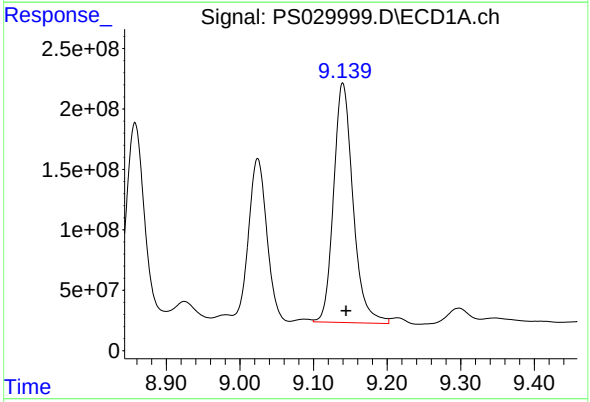
R.T.: 8.858 min
Delta R.T.: -0.005 min
Response: 2407072323
Conc: 173.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MS



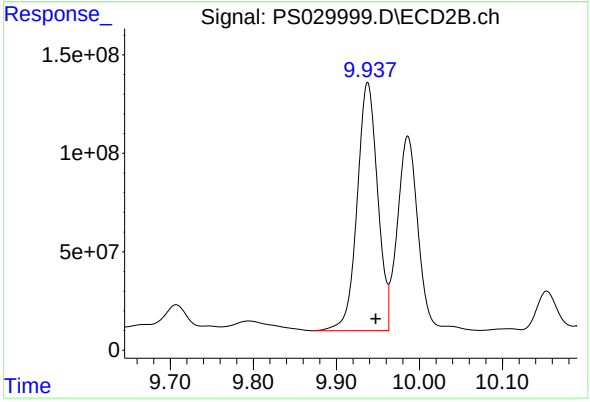
#11 2,4,5-TP (SILVEX)

R.T.: 9.534 min
Delta R.T.: -0.009 min
Response: 2166300266
Conc: 264.77 ng/ml



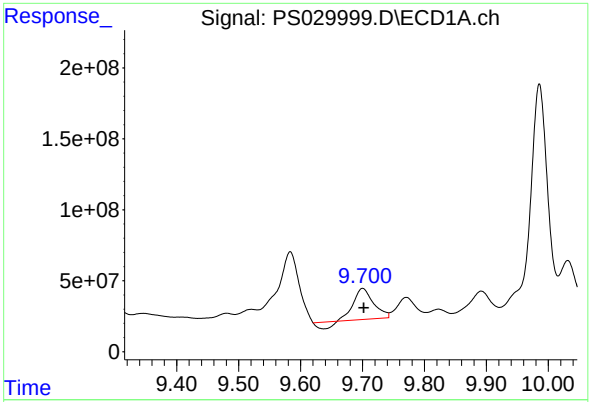
#12 2,4,5-T

R.T.: 9.140 min
Delta R.T.: -0.004 min
Response: 3632188453
Conc: 258.46 ng/ml



#12 2,4,5-T

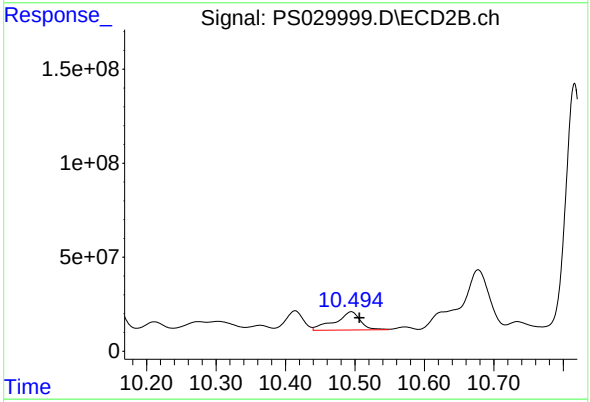
R.T.: 9.938 min
Delta R.T.: -0.010 min
Response: 2158849749
Conc: 278.11 ng/ml



#13 2,4-DB

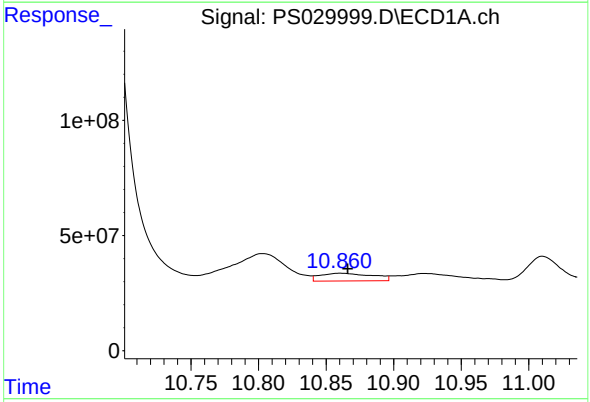
R.T.: 9.700 min
Delta R.T.: -0.002 min
Response: 428517754
Conc: 187.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MS



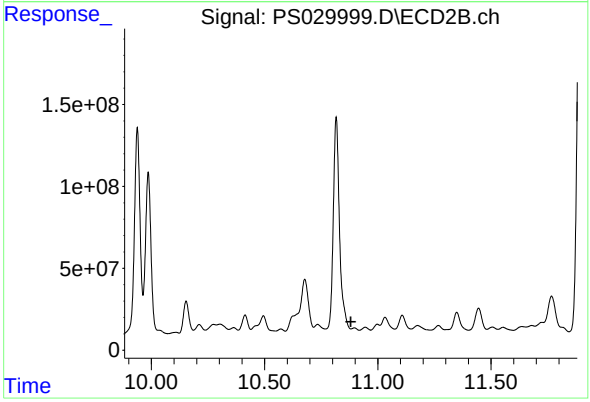
#13 2,4-DB

R.T.: 10.495 min
Delta R.T.: -0.012 min
Response: 244472139
Conc: 303.75 ng/ml



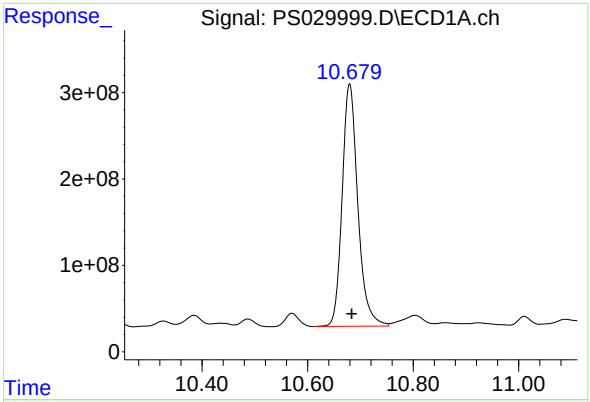
#14 DINOSEB

R.T.: 10.861 min
Delta R.T.: -0.005 min
Response: 90083314
Conc: 8.85 ng/ml



#14 DINOSEB

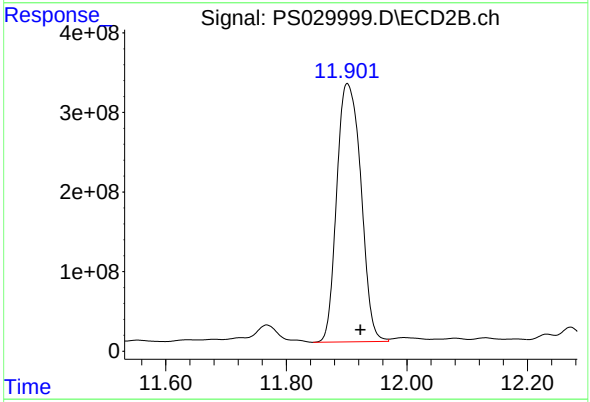
R.T.: 10.896 min
Delta R.T.: 0.015 min
Response: -167004366
Conc: N.D.



#15 Picloram

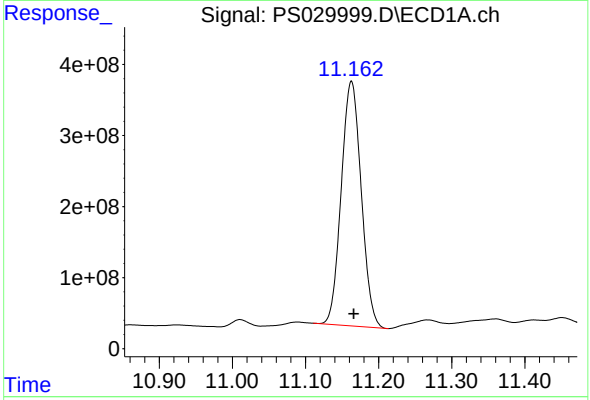
R.T.: 10.680 min
Delta R.T.: -0.004 min
Response: 5787594197
Conc: 315.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MS



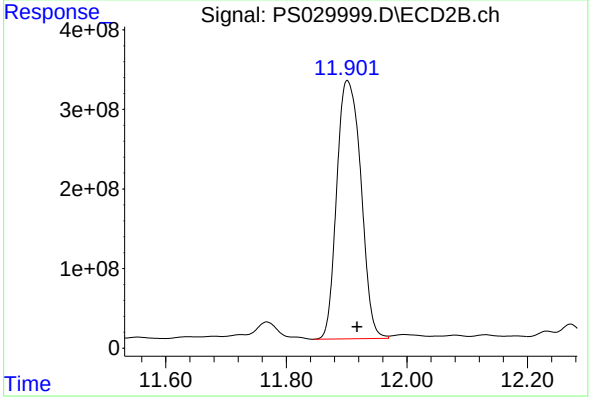
#15 Picloram

R.T.: 11.901 min
Delta R.T.: -0.022 min
Response: 9016205321
Conc: 734.00 ng/ml



#16 DCPA

R.T.: 11.163 min
Delta R.T.: -0.003 min
Response: 6544783262
Conc: 384.51 ng/ml



#16 DCPA

R.T.: 11.901 min
Delta R.T.: -0.016 min
Response: 9016205321
Conc: 799.90 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 04:58
Operator : AR\AJ
Sample : Q1906-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
WC-5MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 05:15:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.919	7.462	2383.8E6	1086.7E6	968.580	1542.476 #
	Target Compounds						
1) T	Dalapon	2.443	2.516	2684.7E6	1670.2E6	655.570	962.008 #
2) T	3,5-DICHL...	6.142	6.459	1025.7E6	282.0E6	287.002	288.501
3) T	4-Nitroph...	6.705	7.033	111.4E6	303.5E6	62.467	396.248 #
5) T	DICAMBA	7.114	7.648	2999.4E6	1321.2E6	302.882	334.474
6) T	MCPP	7.292	7.738	166.7E6	168.2E6	25.863	96.144 #
7) T	MCPA	7.434	7.982	275.0E6	84049137	31.136	35.527
8) T	DICHLORPROP	7.796	8.341	878.3E6	345.5E6	346.594	344.094
9) T	2,4-D	8.015	8.654	1183.7E6	461.4E6	420.814	409.339
10) T	Pentachlo...	8.293	9.155	5829.4E6	3626.2E6	167.103	178.239
11) T	2,4,5-TP ...	8.858	9.533	2380.4E6	2214.4E6	171.708	270.656 #
12) T	2,4,5-T	9.140	9.937	3680.4E6	2208.5E6	261.892	284.499
13) T	2,4-DB	9.700	10.494	461.1E6	253.9E6	201.765	315.431 #
15) T	Picloram	10.679	11.901	5832.1E6	9209.8E6	318.161	749.763 #
16) T	DCPA	11.162	11.901	6578.7E6	9209.8E6	386.502	817.078 #

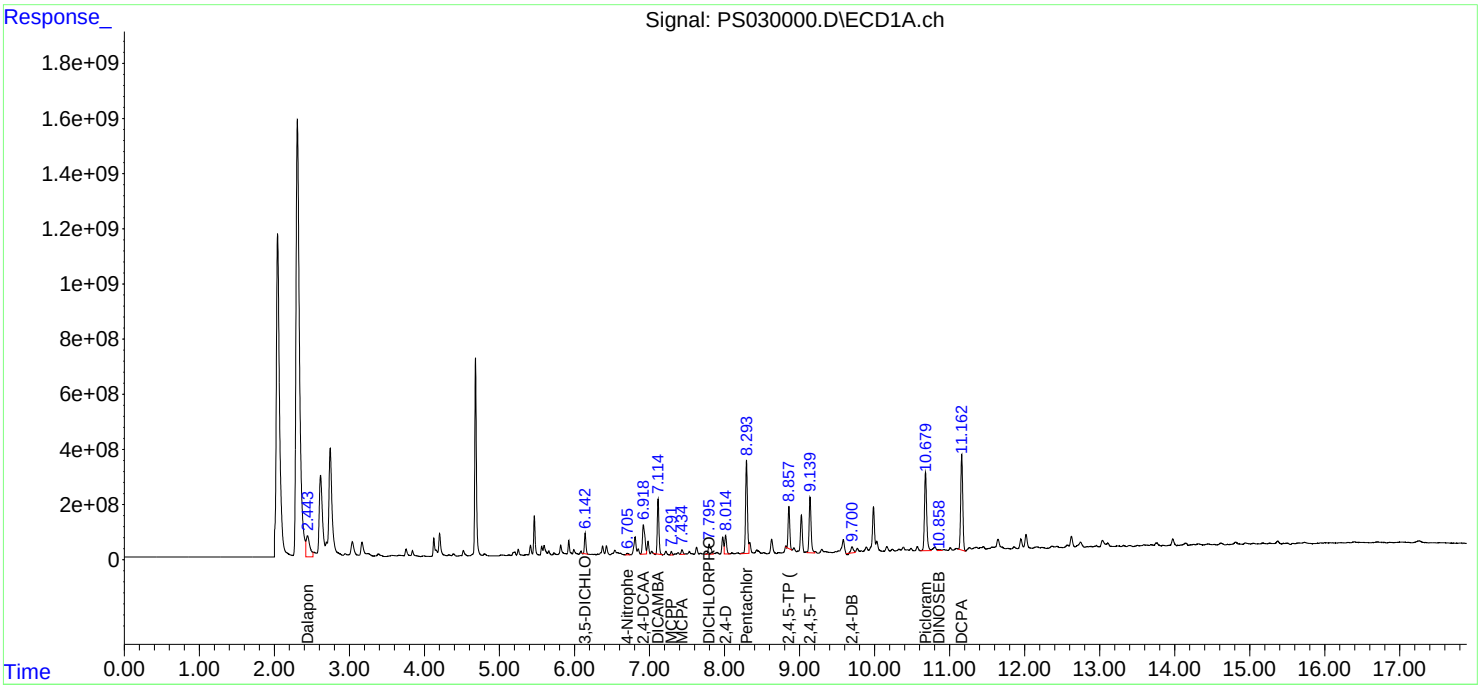
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

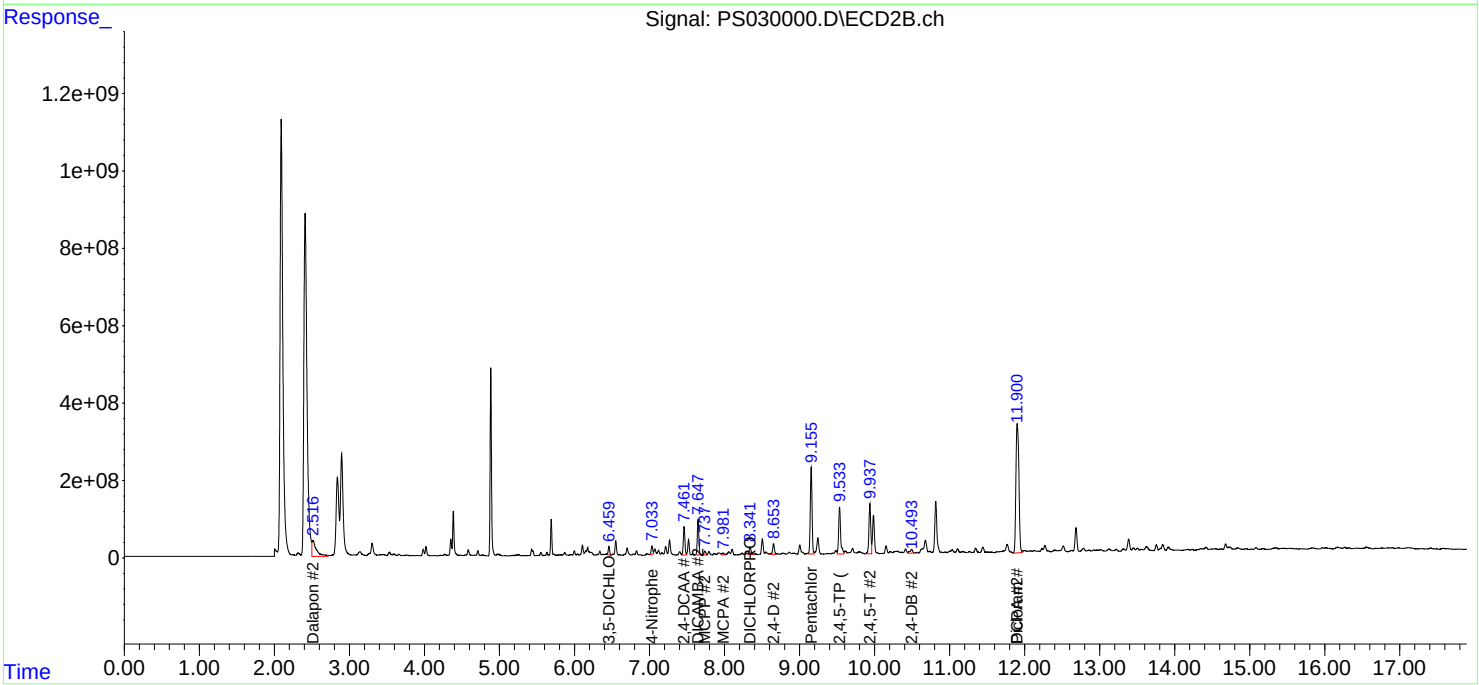
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 04:58
Operator : AR\AJ
Sample : Q1906-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

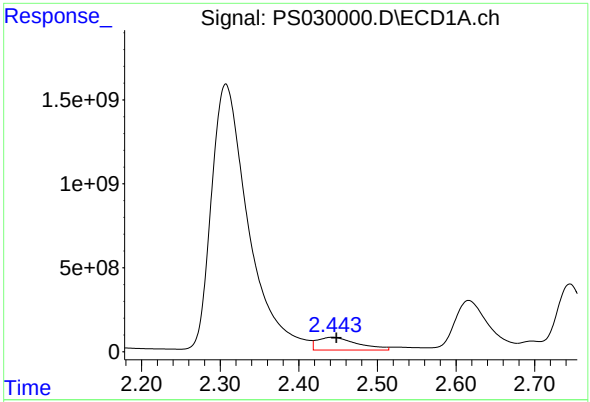
Instrument :
ECD_S
ClientSampleId :
WC-5MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 05:15:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



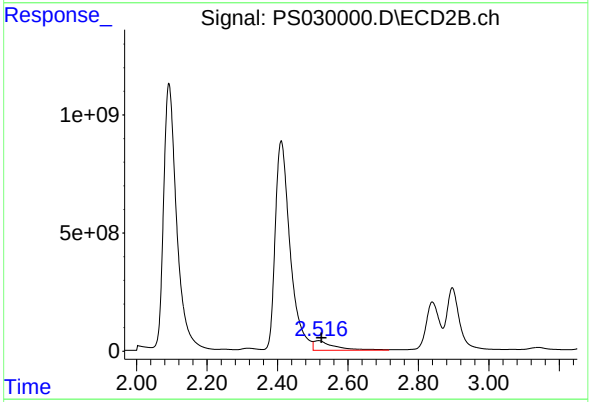




#1 Dalapon

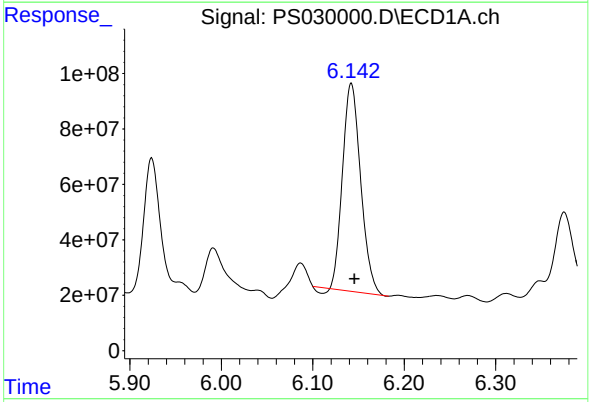
R.T.: 2.443 min
Delta R.T.: -0.005 min
Response: 2684729749
Conc: 655.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MSD



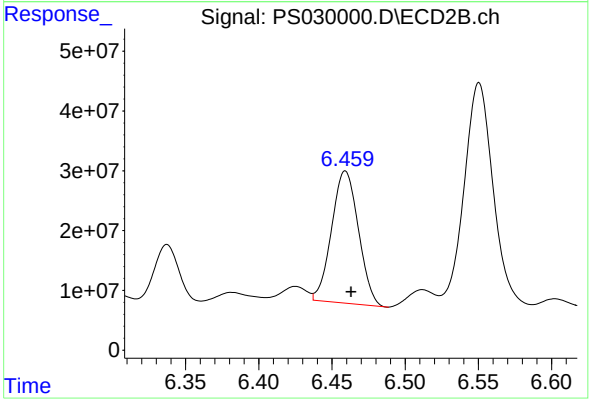
#1 Dalapon

R.T.: 2.516 min
Delta R.T.: -0.008 min
Response: 1670184214
Conc: 962.01 ng/ml



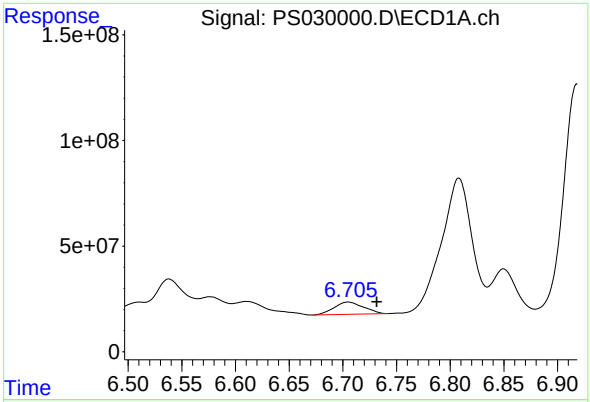
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.142 min
Delta R.T.: -0.003 min
Response: 1025682749
Conc: 287.00 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

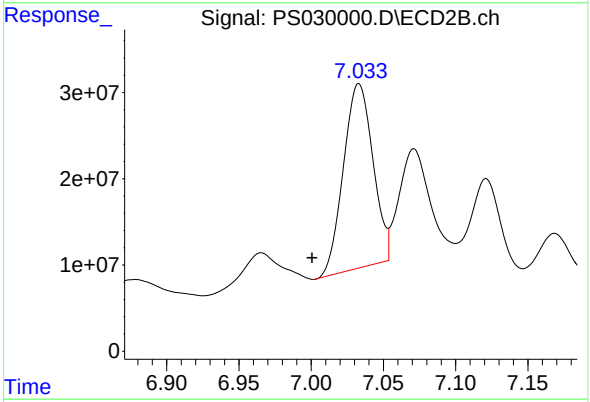
R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 282032989
Conc: 288.50 ng/ml



#3 4-Nitrophenol

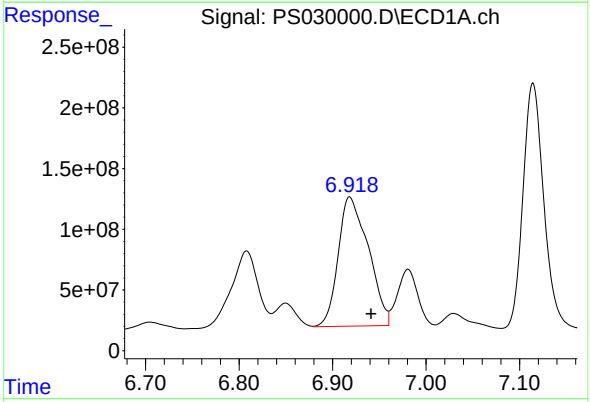
R.T.: 6.705 min
Delta R.T.: -0.026 min
Response: 111398988
Conc: 62.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MSD



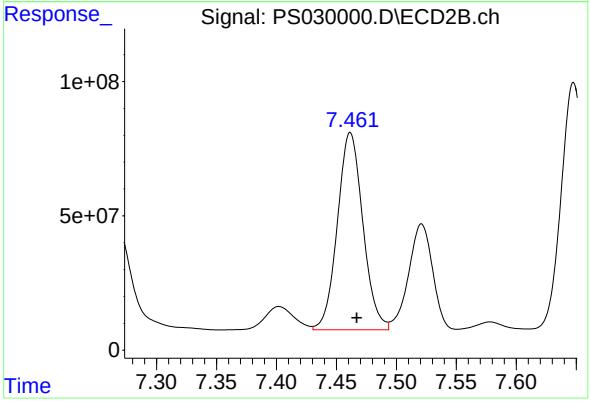
#3 4-Nitrophenol

R.T.: 7.033 min
Delta R.T.: 0.033 min
Response: 303494987
Conc: 396.25 ng/ml



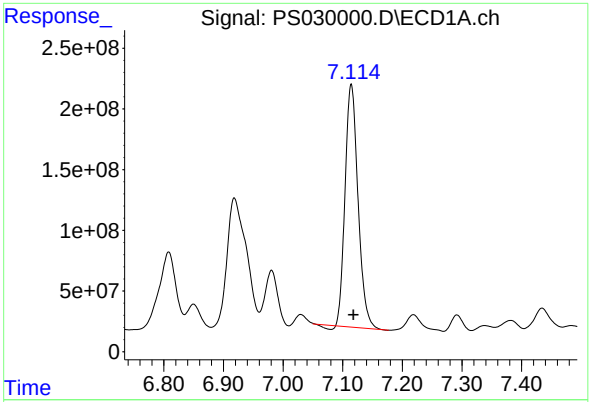
#4 2,4-DCAA

R.T.: 6.919 min
Delta R.T.: -0.023 min
Response: 2383750734
Conc: 968.58 ng/ml



#4 2,4-DCAA

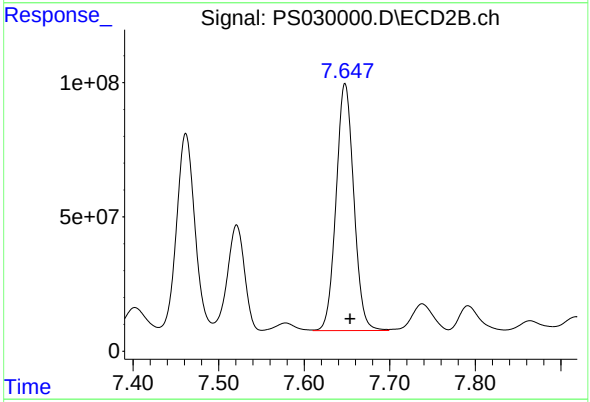
R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 1086700629
Conc: 1542.48 ng/ml



#5 DICAMBA

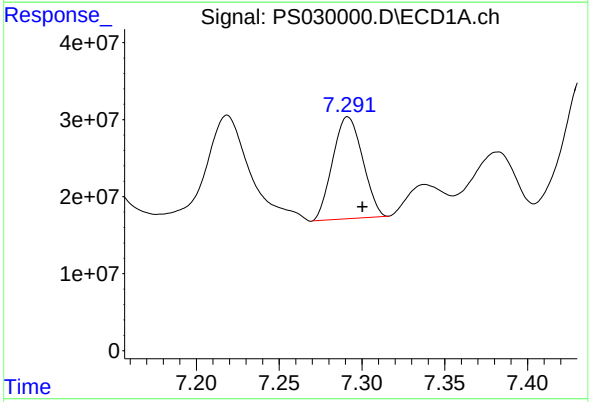
R.T.: 7.114 min
Delta R.T.: -0.003 min
Response: 2999399775
Conc: 302.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MSD



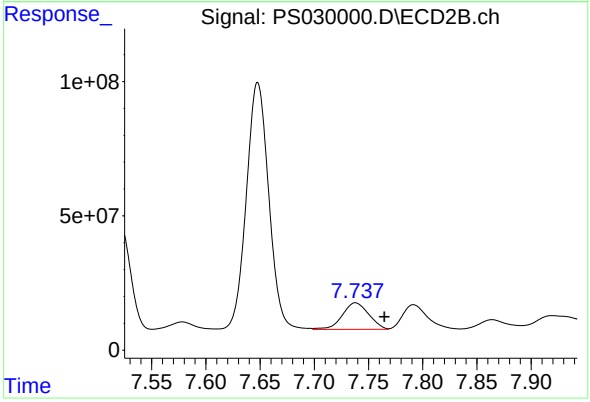
#5 DICAMBA

R.T.: 7.648 min
Delta R.T.: -0.006 min
Response: 1321193549
Conc: 334.47 ng/ml



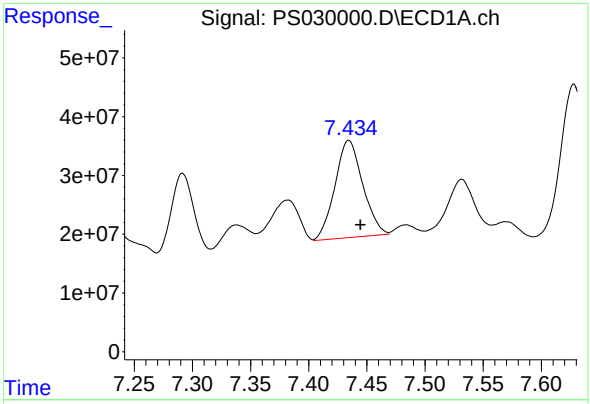
#6 MCPP

R.T.: 7.292 min
Delta R.T.: -0.009 min
Response: 166652078
Conc: 25.86 ug/ml



#6 MCPP

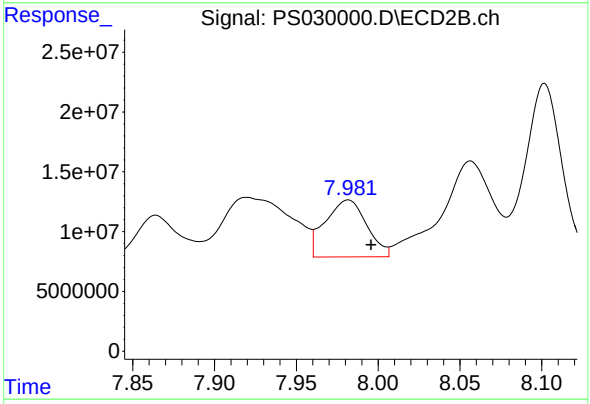
R.T.: 7.738 min
Delta R.T.: -0.027 min
Response: 168151316
Conc: 96.14 ug/ml



#7 MCPA

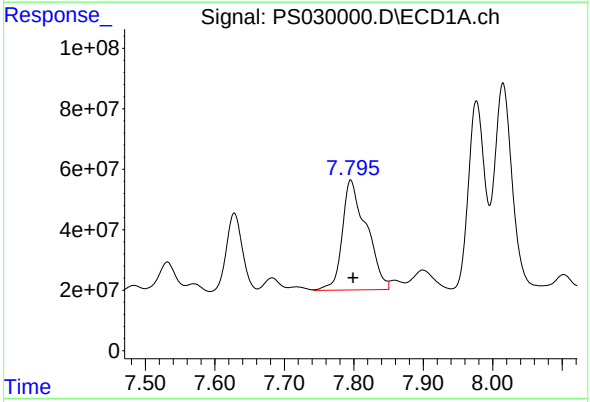
R.T.: 7.434 min
Delta R.T.: -0.010 min
Response: 274972414
Conc: 31.14 ug/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MSD



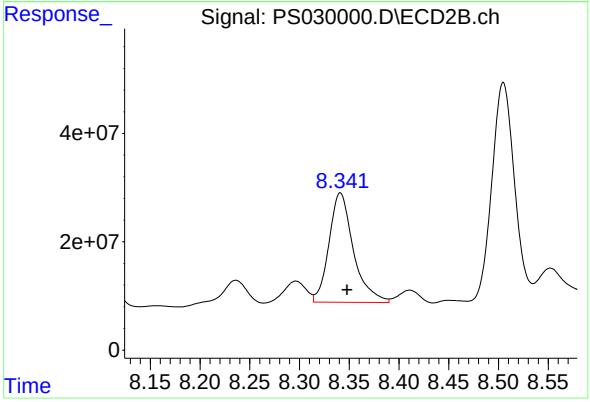
#7 MCPA

R.T.: 7.982 min
Delta R.T.: -0.014 min
Response: 84049137
Conc: 35.53 ug/ml



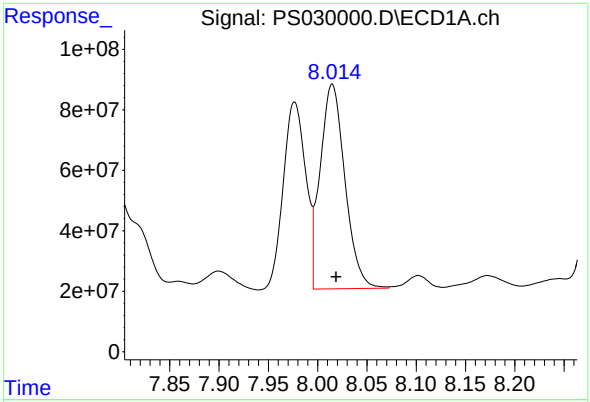
#8 DICHLORPROP

R.T.: 7.796 min
Delta R.T.: -0.003 min
Response: 878307532
Conc: 346.59 ng/ml



#8 DICHLORPROP

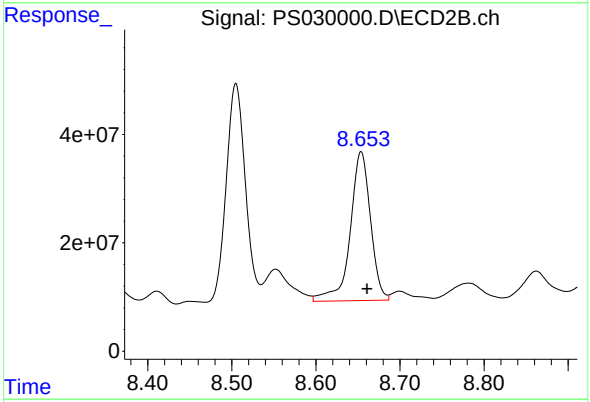
R.T.: 8.341 min
Delta R.T.: -0.007 min
Response: 345457932
Conc: 344.09 ng/ml



#9 2,4-D

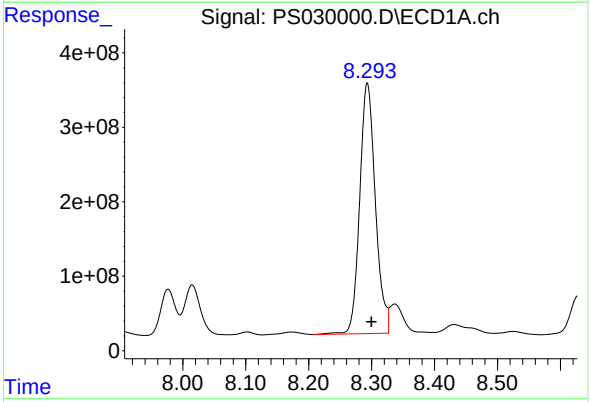
R.T.: 8.015 min
Delta R.T.: -0.004 min
Response: 1183696641
Conc: 420.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MSD



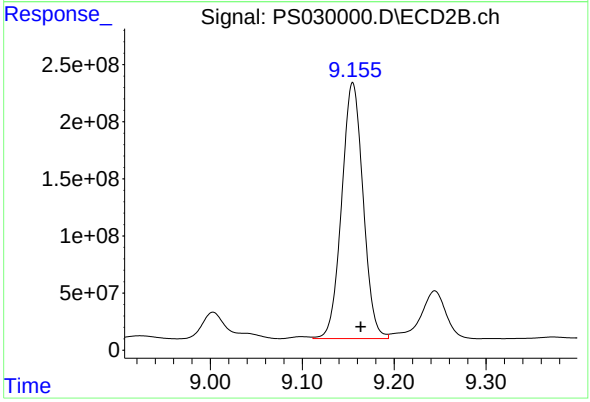
#9 2,4-D

R.T.: 8.654 min
Delta R.T.: -0.007 min
Response: 461368615
Conc: 409.34 ng/ml



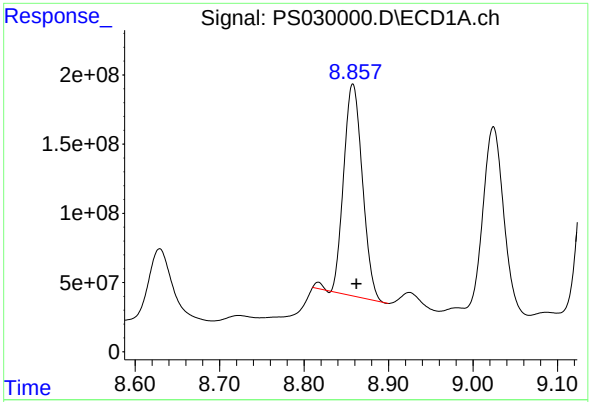
#10 Pentachlorophenol

R.T.: 8.293 min
Delta R.T.: -0.006 min
Response: 5829372536
Conc: 167.10 ng/ml



#10 Pentachlorophenol

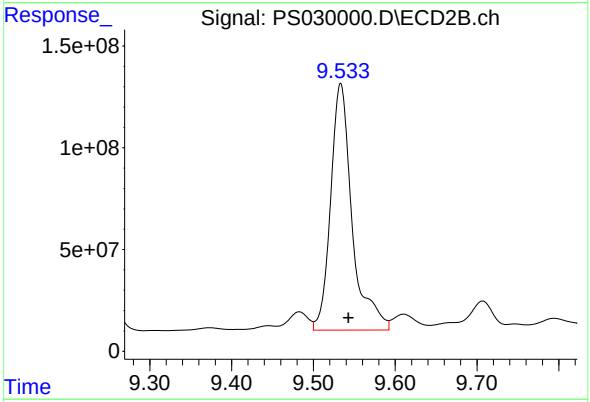
R.T.: 9.155 min
Delta R.T.: -0.009 min
Response: 3626233908
Conc: 178.24 ng/ml



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

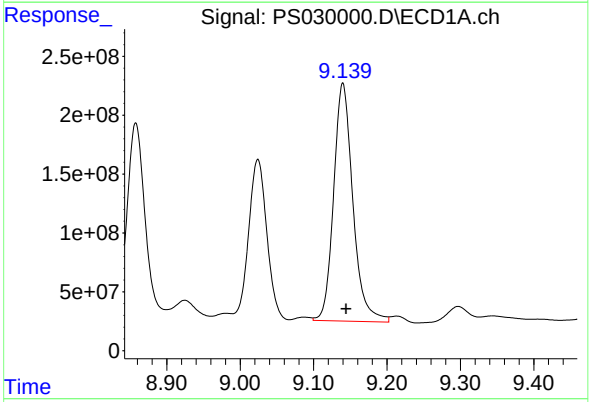
R.T.: 8.858 min
Delta R.T.: -0.004 min
Response: 2380360363
Conc: 171.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MSD



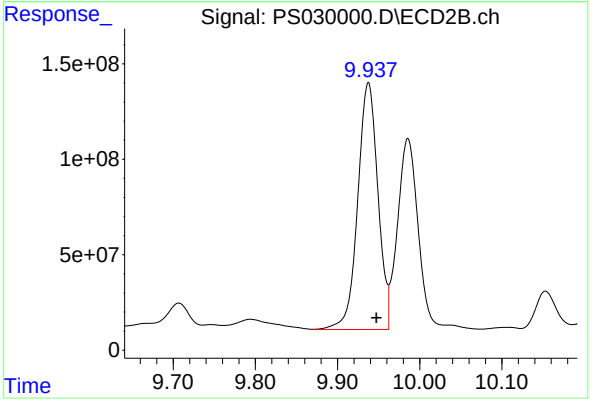
#11 2,4,5-TP (SILVEX)

R.T.: 9.533 min
Delta R.T.: -0.009 min
Response: 2214437332
Conc: 270.66 ng/ml



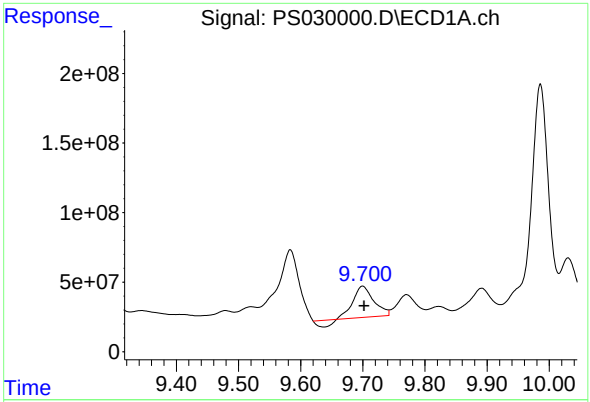
#12 2,4,5-T

R.T.: 9.140 min
Delta R.T.: -0.004 min
Response: 3680396485
Conc: 261.89 ng/ml



#12 2,4,5-T

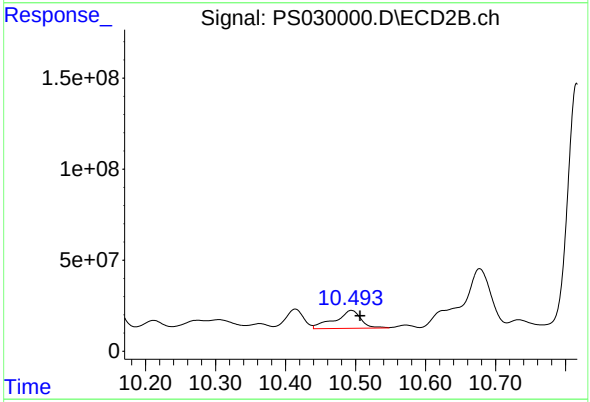
R.T.: 9.937 min
Delta R.T.: -0.010 min
Response: 2208455612
Conc: 284.50 ng/ml



#13 2,4-DB

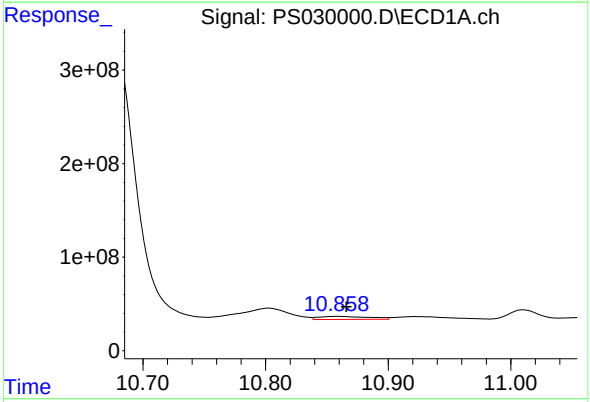
R.T.: 9.700 min
Delta R.T.: -0.002 min
Response: 461103799
Conc: 201.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MSD



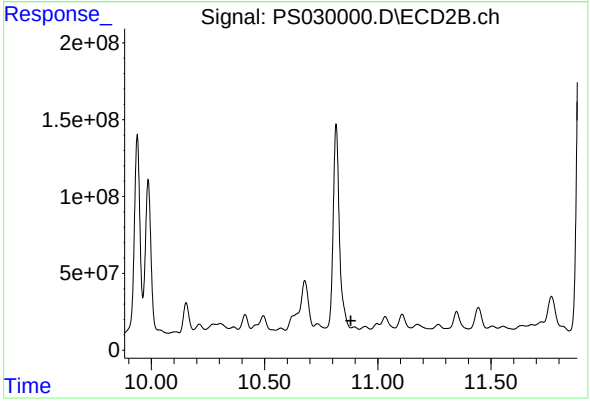
#13 2,4-DB

R.T.: 10.494 min
Delta R.T.: -0.012 min
Response: 253872450
Conc: 315.43 ng/ml



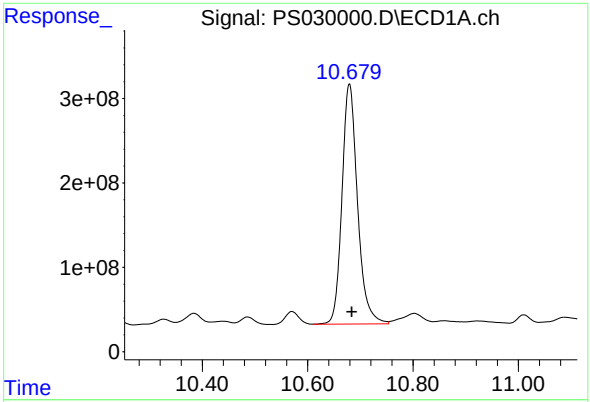
#14 DINOSEB

R.T.: 10.859 min
Delta R.T.: -0.007 min
Response: 92940543
Conc: 9.14 ng/ml



#14 DINOSEB

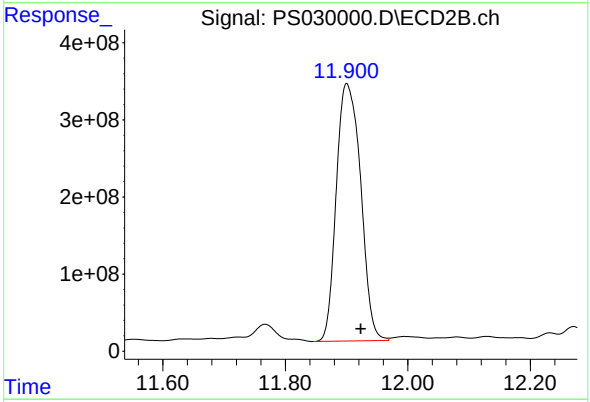
R.T.: 10.896 min
Delta R.T.: 0.015 min
Response: -158669769
Conc: N.D.



#15 Picloram

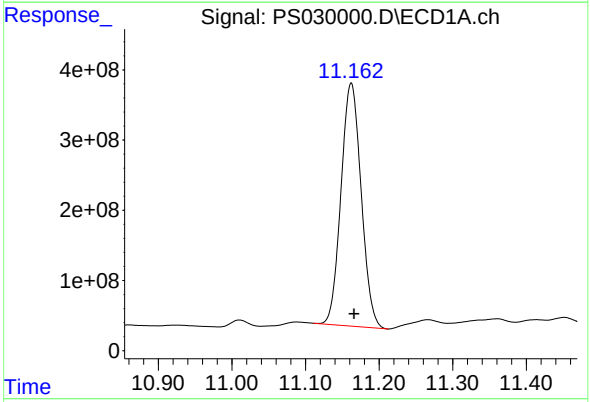
R.T.: 10.679 min
Delta R.T.: -0.004 min
Response: 5832090919
Conc: 318.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
WC-5MSD



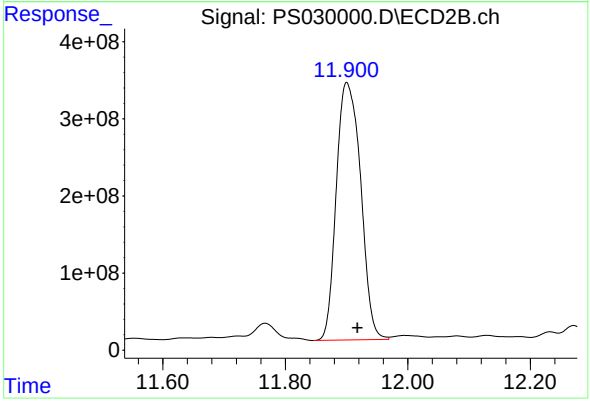
#15 Picloram

R.T.: 11.901 min
Delta R.T.: -0.022 min
Response: 9209822883
Conc: 749.76 ng/ml



#16 DCPA

R.T.: 11.162 min
Delta R.T.: -0.004 min
Response: 6578656178
Conc: 386.50 ng/ml



#16 DCPA

R.T.: 11.901 min
Delta R.T.: -0.017 min
Response: 9209822883
Conc: 817.08 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 06:59
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 06:53:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.939	7.462	1810.3E6	559.5E6	735.571	794.137
	Target Compounds						
1) T	Dalapon	2.449	2.523	2775.4E6	1208.6E6	677.707	696.158
2) T	3,5-DICHL...	6.143	6.459	2465.8E6	721.5E6	689.978	738.090
3) T	4-Nitroph...	6.729	6.996	1209.4E6	555.7E6	678.175	725.560
5) T	DICAMBA	7.115	7.648	6990.3E6	3084.7E6	705.883	780.916
6) T	MCPP	7.294	7.756	452.6E6	123.1E6	70.239	70.364
7) T	MCPA	7.437	7.986	612.8E6	164.2E6	69.392	69.420
8) T	DICHLORPROP	7.796	8.342	1743.1E6	763.8E6	687.852	760.753
9) T	2,4-D	8.015	8.655	1969.4E6	836.1E6	700.153	741.775
10) T	Pentachlo...	8.294	9.155	25274.2E6	16072.4E6	724.501	790.000
11) T	2,4,5-TP ...	8.858	9.534	9981.3E6	6378.1E6	720.003	779.555
12) T	2,4,5-T	9.140	9.938	10149.2E6	5979.9E6	722.205	770.353
13) T	2,4-DB	9.698	10.496	1710.1E6	595.1E6	748.265	739.381
14) T	DINOSEB	10.860	10.870	7020.8E6	4312.3E6	690.113	739.552
15) T	Picloram	10.679	11.906	13213.8E6	18061.0E6	720.858	1470.327 #
16) T	DCPA	11.162	11.906	12337.1E6	18061.0E6	724.817	1602.335 #

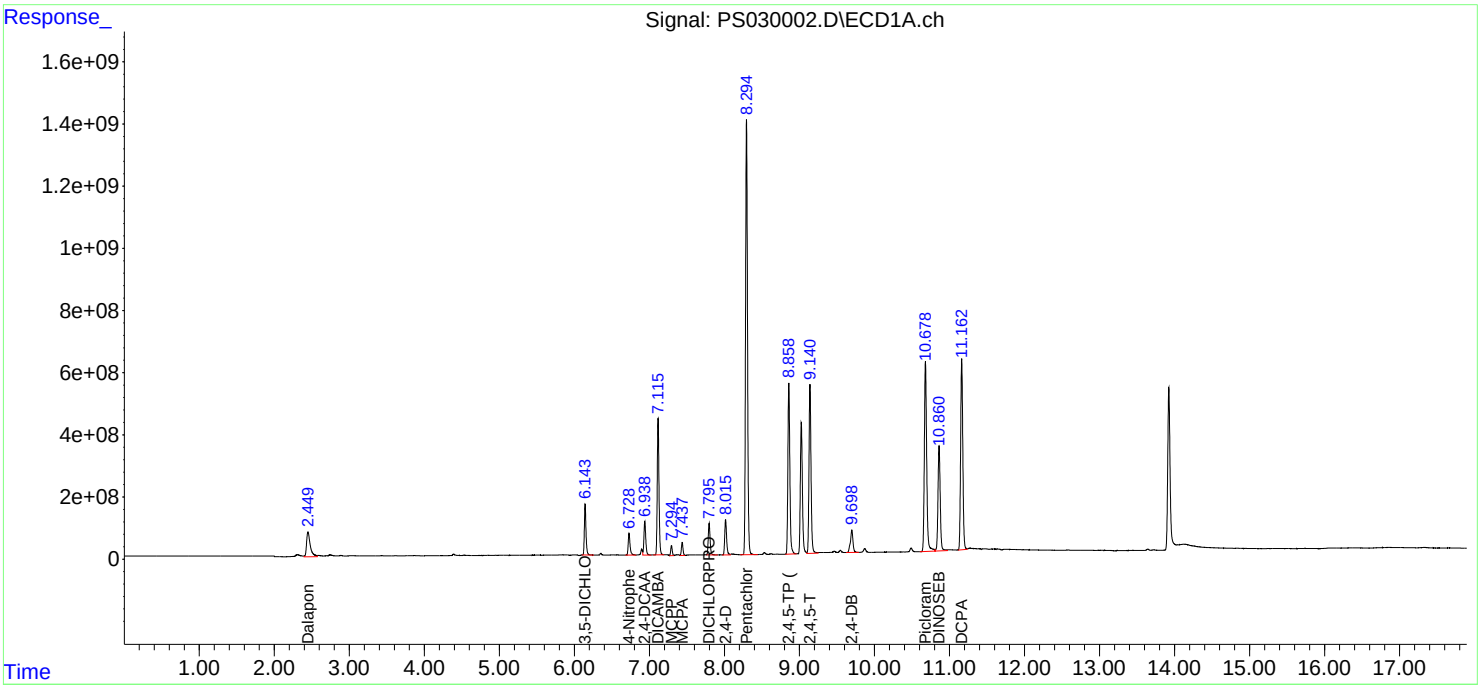
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

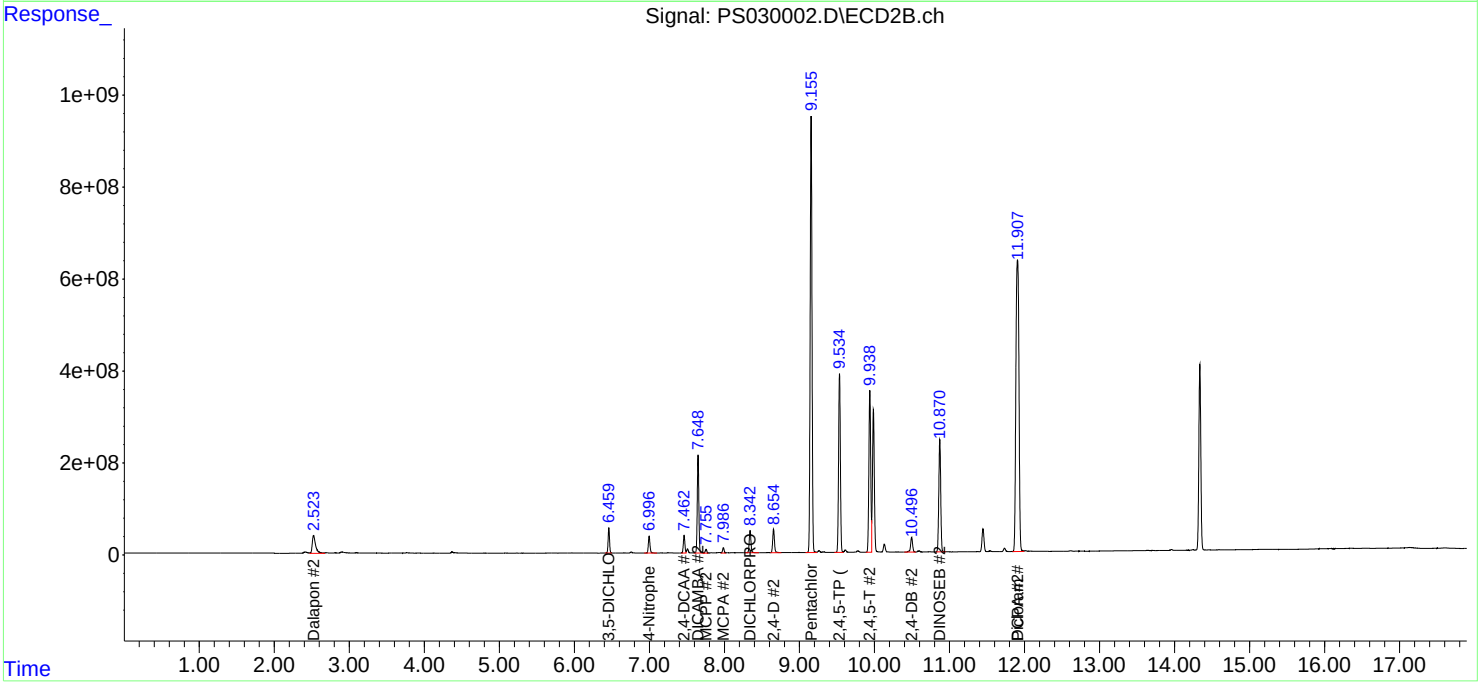
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 06:59
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 30 Sample Multiplier: 1

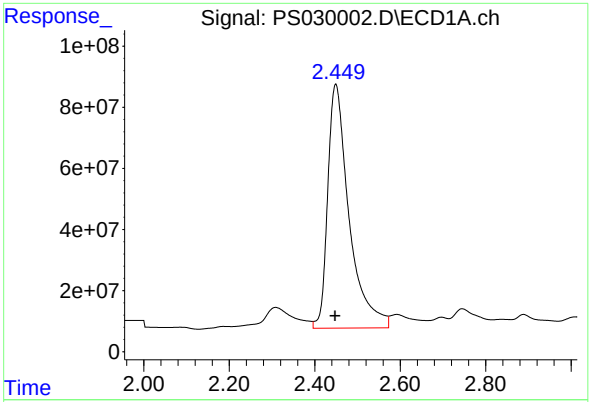
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 06:53:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



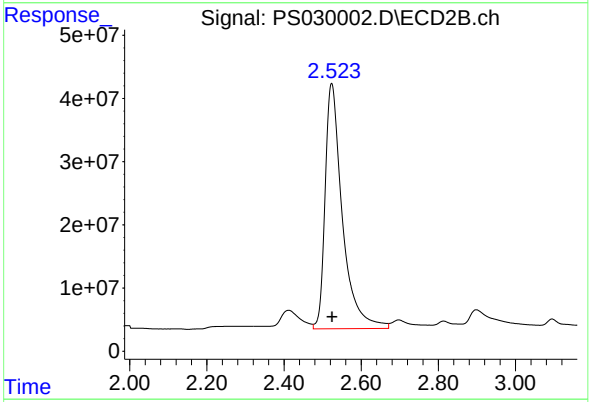




#1 Dalapon

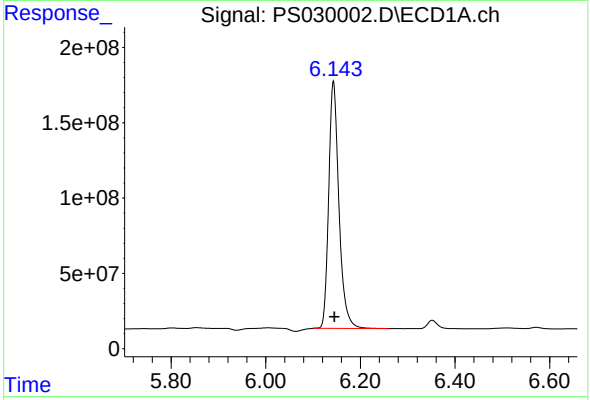
R.T.: 2.449 min
Delta R.T.: 0.001 min
Response: 2775385295
Conc: 677.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



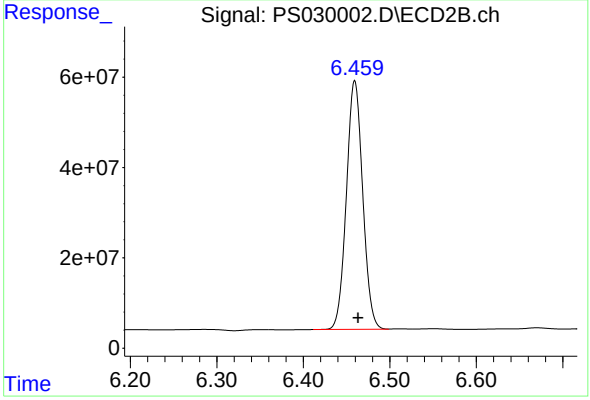
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: 0.000 min
Response: 1208630888
Conc: 696.16 ng/ml



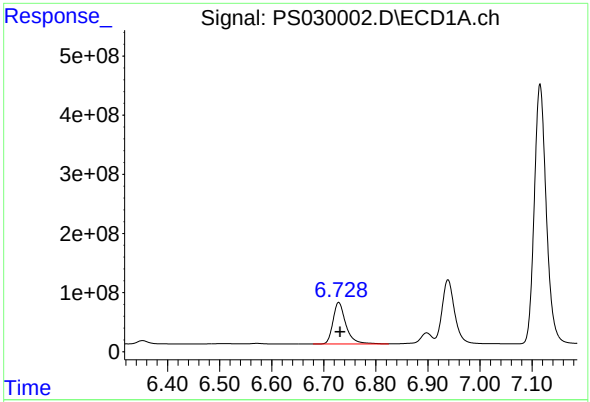
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.143 min
Delta R.T.: -0.002 min
Response: 2465834422
Conc: 689.98 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

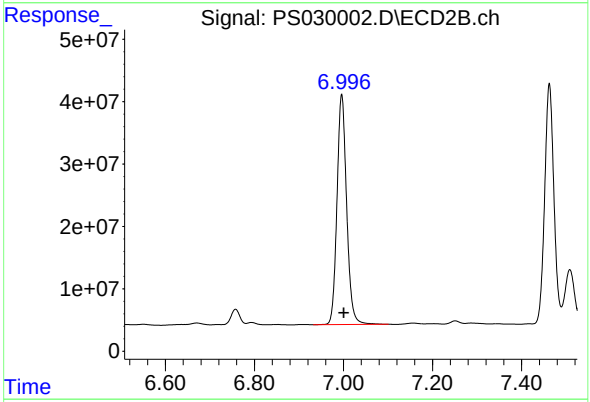
R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 721541539
Conc: 738.09 ng/ml



#3 4-Nitrophenol

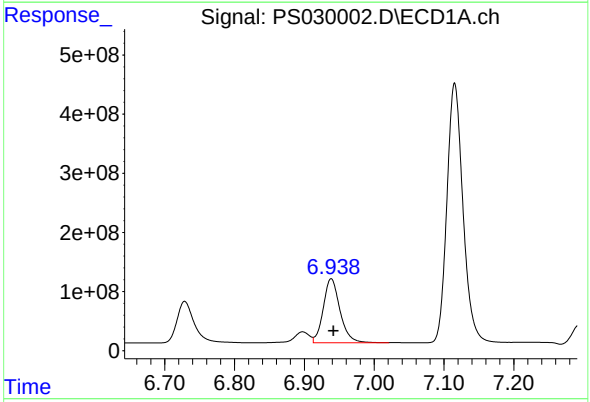
R.T.: 6.729 min
Delta R.T.: -0.003 min
Response: 1209402202
Conc: 678.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



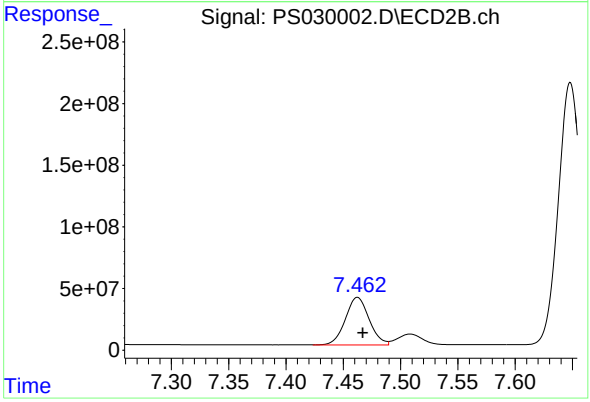
#3 4-Nitrophenol

R.T.: 6.996 min
Delta R.T.: -0.005 min
Response: 555722167
Conc: 725.56 ng/ml



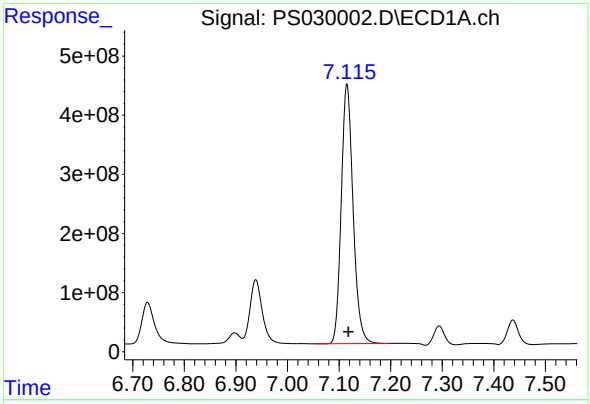
#4 2,4-DCAA

R.T.: 6.939 min
Delta R.T.: -0.003 min
Response: 1810298034
Conc: 735.57 ng/ml



#4 2,4-DCAA

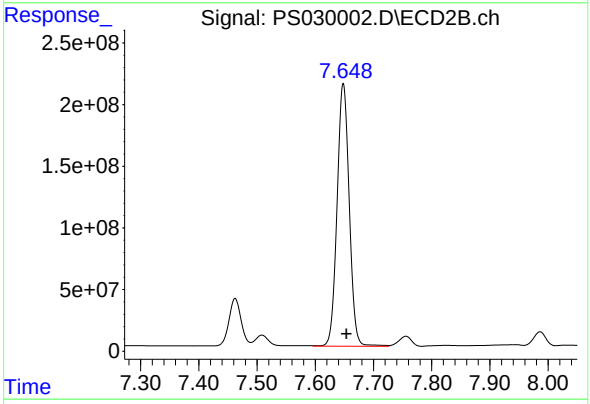
R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 559483066
Conc: 794.14 ng/ml



#5 DICAMBA

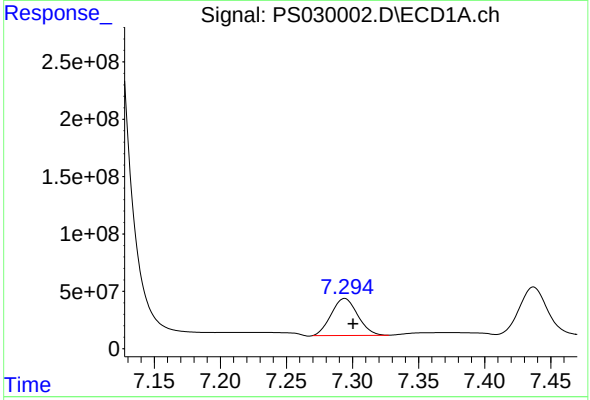
R.T.: 7.115 min
Delta R.T.: -0.003 min
Response: 6990261354
Conc: 705.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



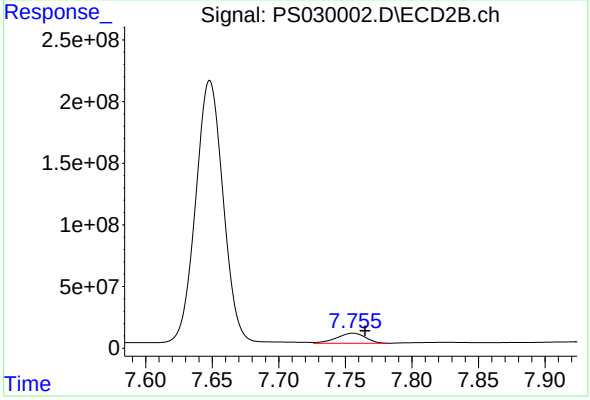
#5 DICAMBA

R.T.: 7.648 min
Delta R.T.: -0.005 min
Response: 3084666816
Conc: 780.92 ng/ml



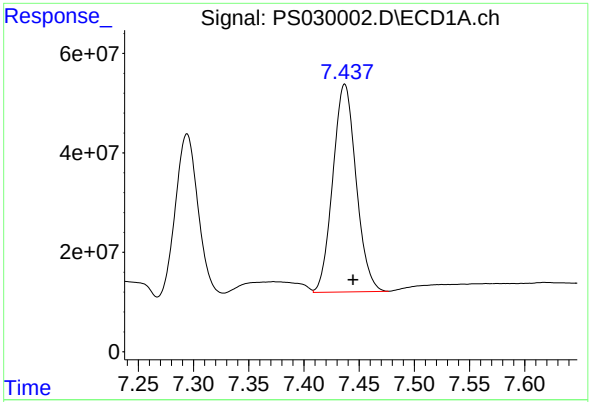
#6 MCPP

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 452596677
Conc: 70.24 ug/ml



#6 MCPP

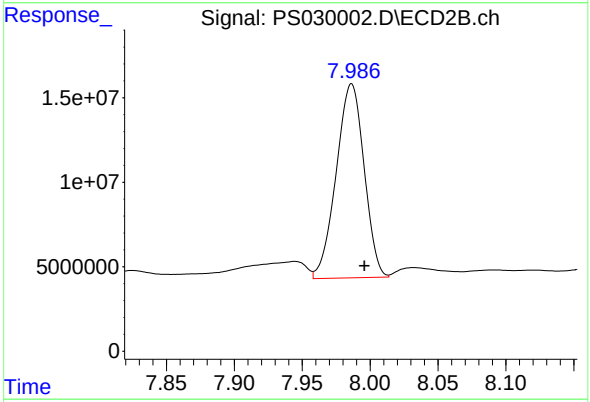
R.T.: 7.756 min
Delta R.T.: -0.009 min
Response: 123062529
Conc: 70.36 ug/ml



#7 MCPA

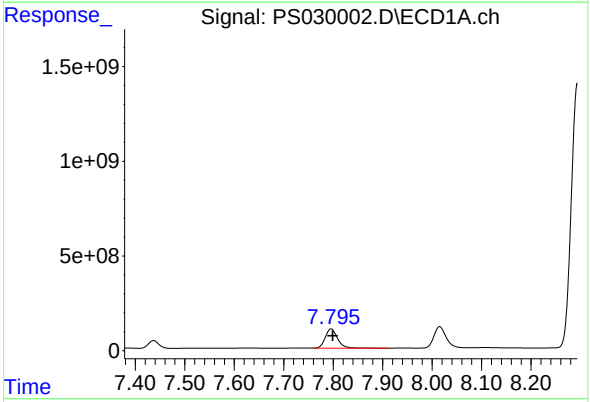
R.T.: 7.437 min
Delta R.T.: -0.008 min
Response: 612821796
Conc: 69.39 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



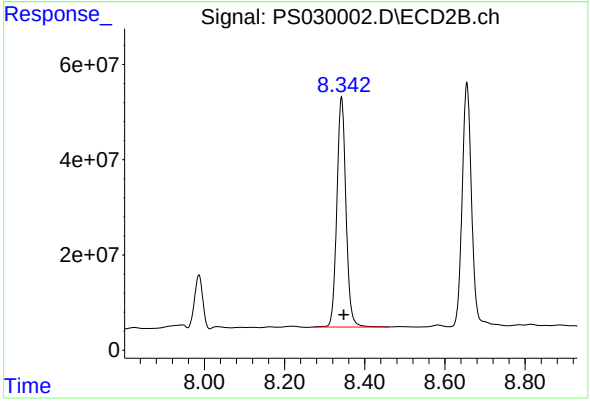
#7 MCPA

R.T.: 7.986 min
Delta R.T.: -0.009 min
Response: 164234366
Conc: 69.42 ug/ml



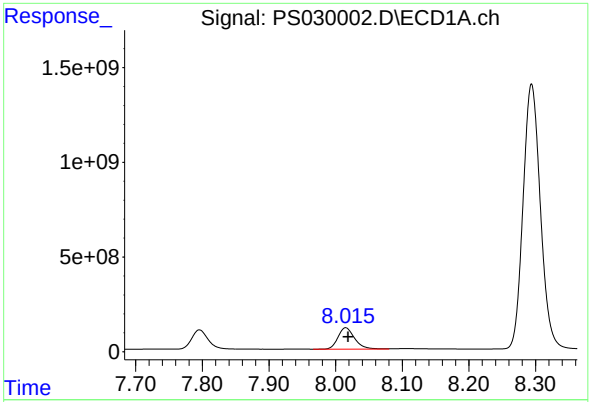
#8 DICHLORPROP

R.T.: 7.796 min
Delta R.T.: -0.003 min
Response: 1743091262
Conc: 687.85 ng/ml



#8 DICHLORPROP

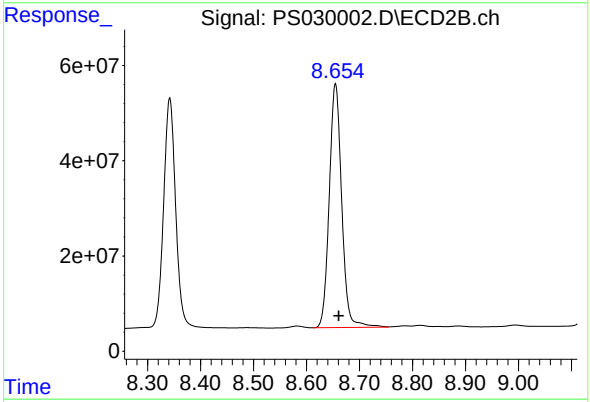
R.T.: 8.342 min
Delta R.T.: -0.006 min
Response: 763768910
Conc: 760.75 ng/ml



#9 2,4-D

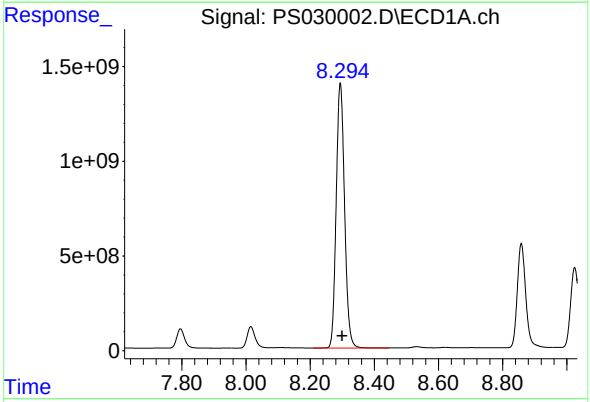
R.T.: 8.015 min
Delta R.T.: -0.004 min
Response: 1969440235
Conc: 700.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



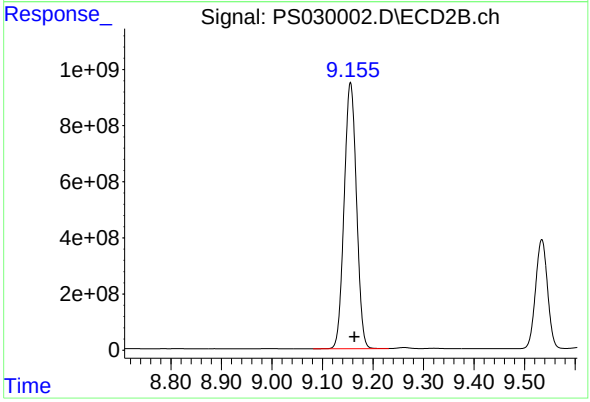
#9 2,4-D

R.T.: 8.655 min
Delta R.T.: -0.006 min
Response: 836059988
Conc: 741.78 ng/ml



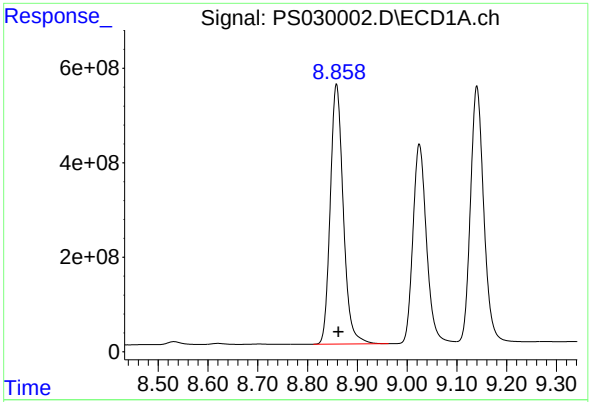
#10 Pentachlorophenol

R.T.: 8.294 min
Delta R.T.: -0.006 min
Response: 25274216279
Conc: 724.50 ng/ml



#10 Pentachlorophenol

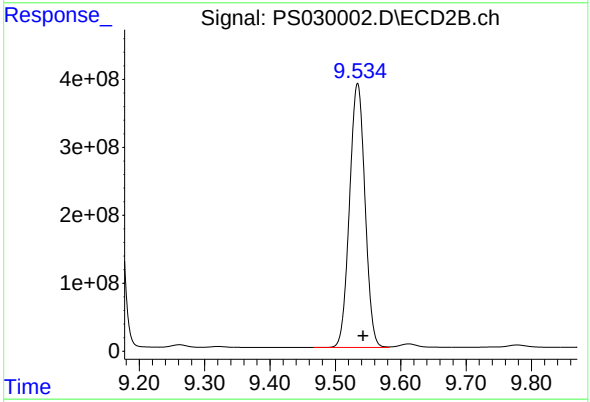
R.T.: 9.155 min
Delta R.T.: -0.008 min
Response: 16072410428
Conc: 790.00 ng/ml



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

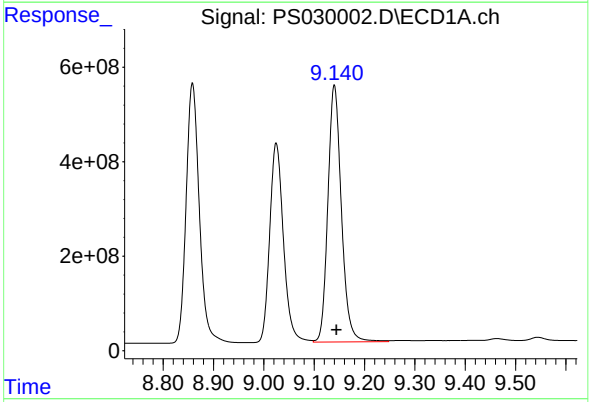
R.T.: 8.858 min
Delta R.T.: -0.004 min
Response: 9981291001
Conc: 720.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



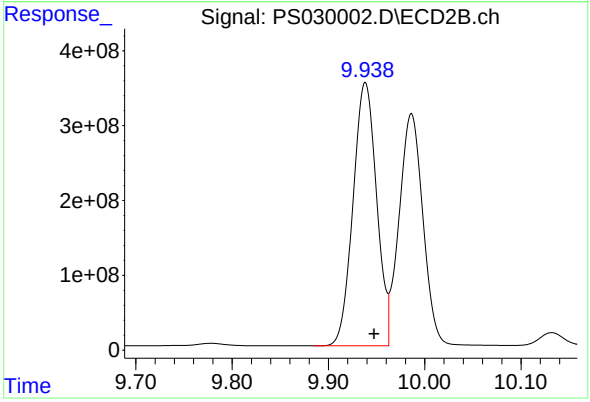
#11 2,4,5-TP (SILVEX)

R.T.: 9.534 min
Delta R.T.: -0.009 min
Response: 6378120993
Conc: 779.55 ng/ml



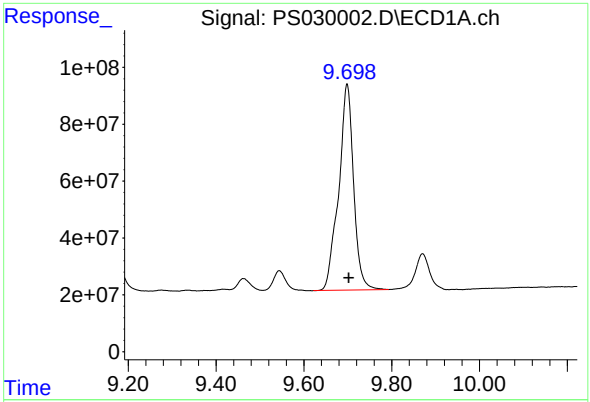
#12 2,4,5-T

R.T.: 9.140 min
Delta R.T.: -0.004 min
Response: 10149222516
Conc: 722.20 ng/ml



#12 2,4,5-T

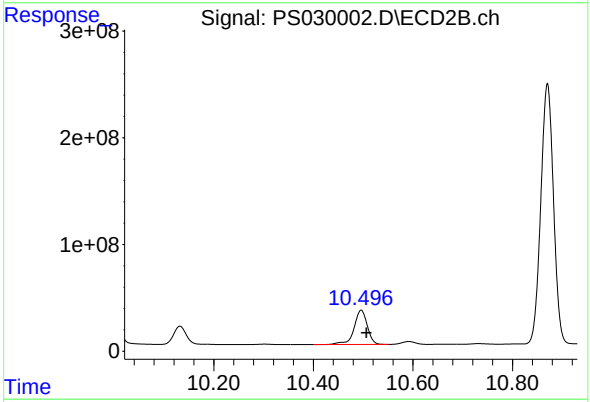
R.T.: 9.938 min
Delta R.T.: -0.009 min
Response: 5979942577
Conc: 770.35 ng/ml



#13 2,4-DB

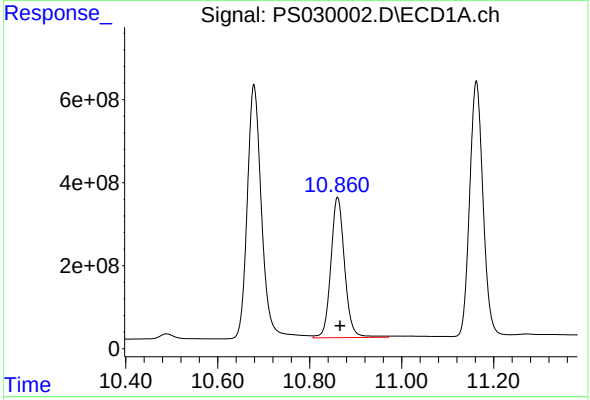
R.T.: 9.698 min
Delta R.T.: -0.004 min
Response: 1710051124
Conc: 748.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



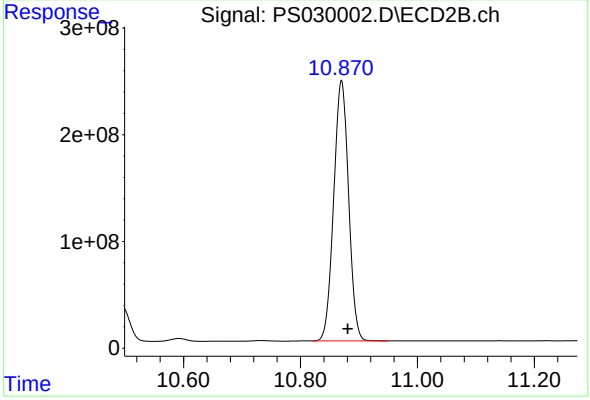
#13 2,4-DB

R.T.: 10.496 min
Delta R.T.: -0.010 min
Response: 595085100
Conc: 739.38 ng/ml



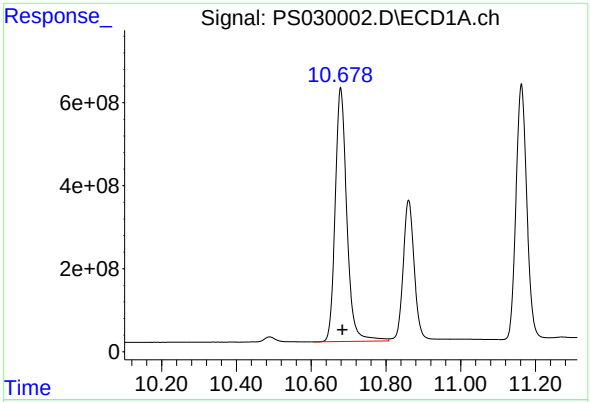
#14 DINOSEB

R.T.: 10.860 min
Delta R.T.: -0.005 min
Response: 7020810578
Conc: 690.11 ng/ml



#14 DINOSEB

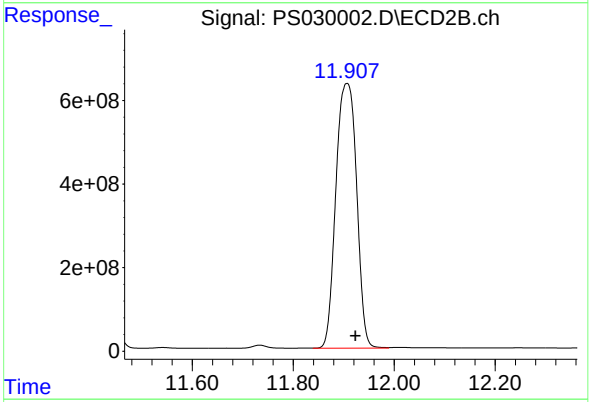
R.T.: 10.870 min
Delta R.T.: -0.011 min
Response: 4312313988
Conc: 739.55 ng/ml



#15 Picloram

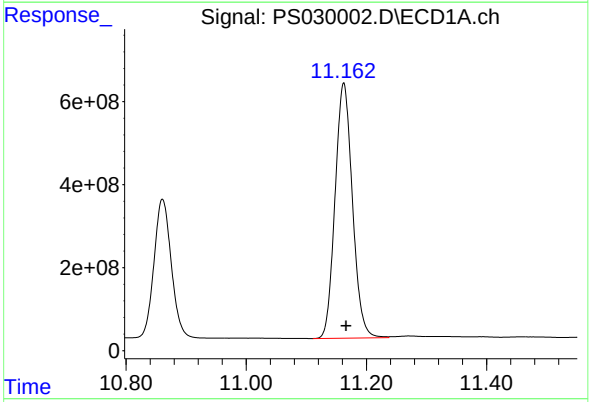
R.T.: 10.679 min
Delta R.T.: -0.005 min
Response: 13213782052
Conc: 720.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



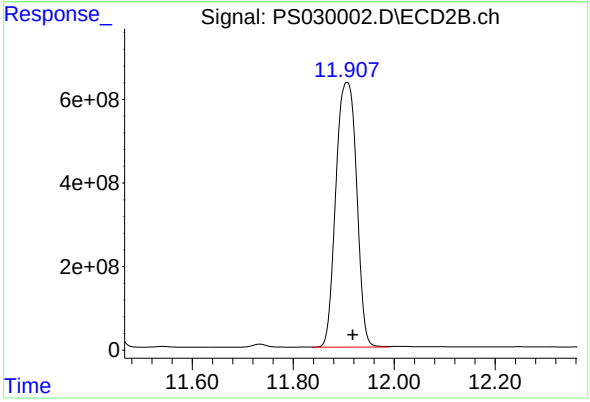
#15 Picloram

R.T.: 11.906 min
Delta R.T.: -0.017 min
Response: 18060964673
Conc: 1470.33 ng/ml



#16 DCPA

R.T.: 11.162 min
Delta R.T.: -0.004 min
Response: 12337113007
Conc: 724.82 ng/ml



#16 DCPA

R.T.: 11.906 min
Delta R.T.: -0.011 min
Response: 18060964673
Conc: 1602.33 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 12:12
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: May 02 04:57:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.939	7.462	1871.5E6	578.1E6	760.455	820.588
	Target Compounds						
1) T	Dalapon	2.450	2.523	2842.4E6	1225.0E6	694.072	705.564
2) T	3,5-DICHL...	6.143	6.459	2534.7E6	733.0E6	709.256	749.766
3) T	4-Nitroph...	6.729	6.996	1248.9E6	553.9E6	700.337	723.117
5) T	DICAMBA	7.116	7.648	7216.6E6	3162.9E6	728.740	800.727
6) T	MCPP	7.294	7.755	476.8E6	127.0E6	73.990	72.588
7) T	MCPA	7.437	7.986	642.0E6	173.5E6	72.694	73.321
8) T	DICHLORPROP	7.796	8.341	1795.0E6	771.3E6	708.332	768.253
9) T	2,4-D	8.015	8.654	2025.4E6	853.4E6	720.064	757.125
10) T	Pentachlo...	8.294	9.155	25966.6E6	16440.0E6	744.350	808.069
11) T	2,4,5-TP ...	8.858	9.533	10286.3E6	6518.3E6	742.007	796.691
12) T	2,4,5-T	9.140	9.937	10478.0E6	6086.5E6	745.600	784.085
13) T	2,4-DB	9.698	10.495	1745.4E6	609.4E6	763.742	757.220
14) T	DINOSEB	10.861	10.869	7317.8E6	4408.0E6	719.308	755.957
15) T	Picloram	10.680	11.905	13288.4E6	18055.4E6	724.926	1469.870 #
16) T	DCPA	11.162	11.905	12725.4E6	18055.4E6	747.629	1601.837 #

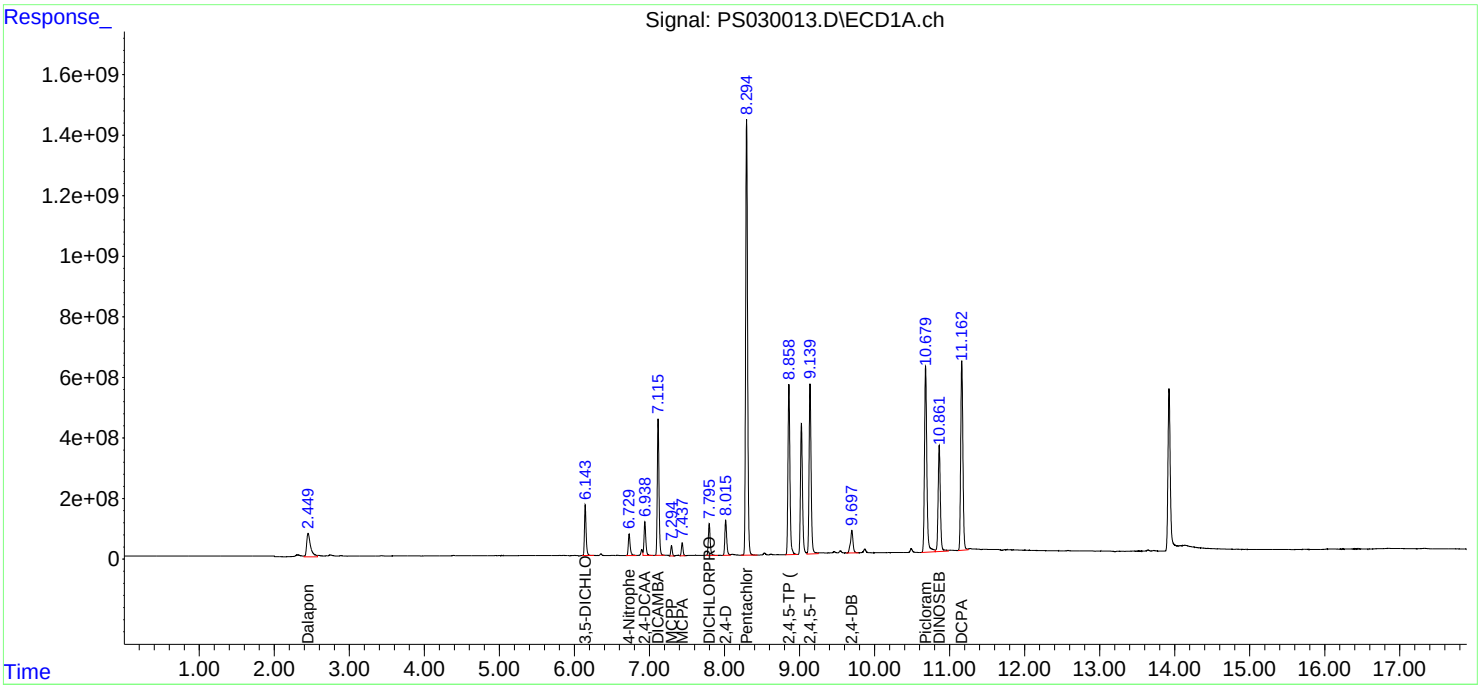
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

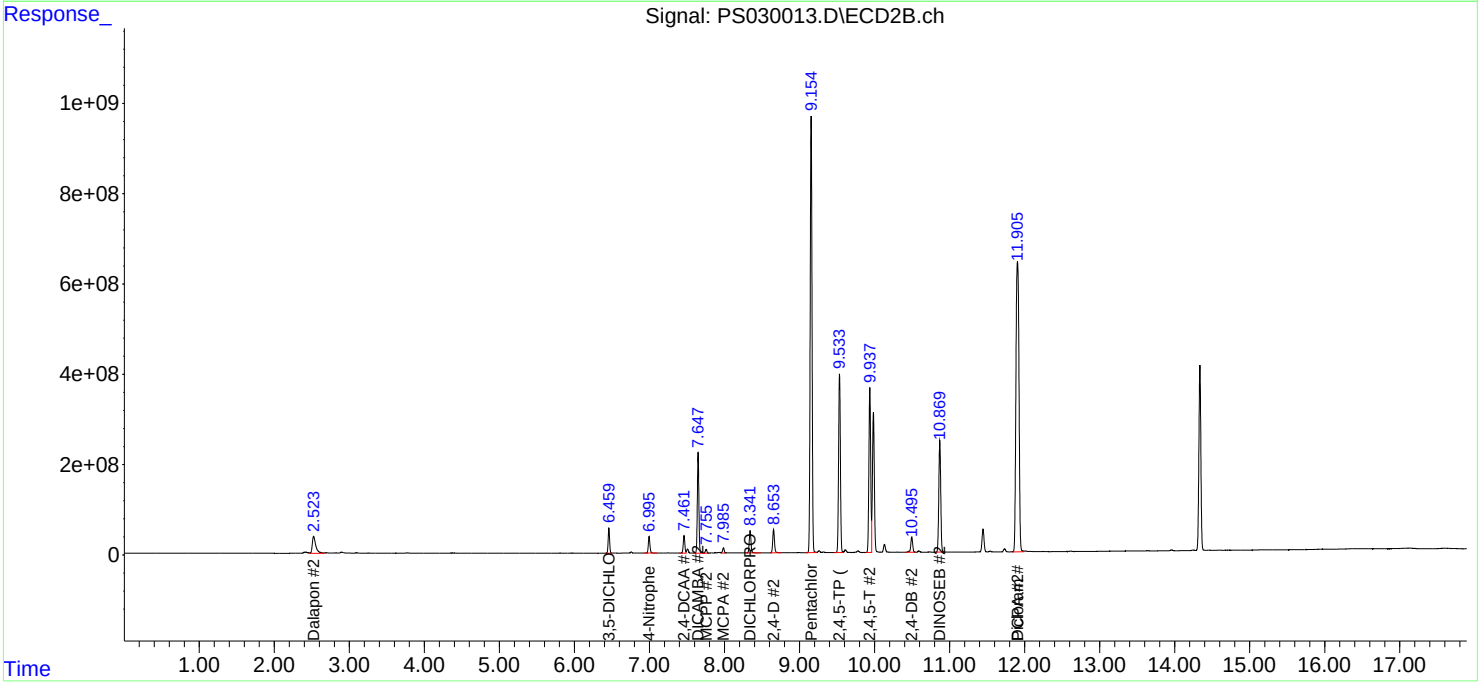
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS043025\
Data File : PS030013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 12:12
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

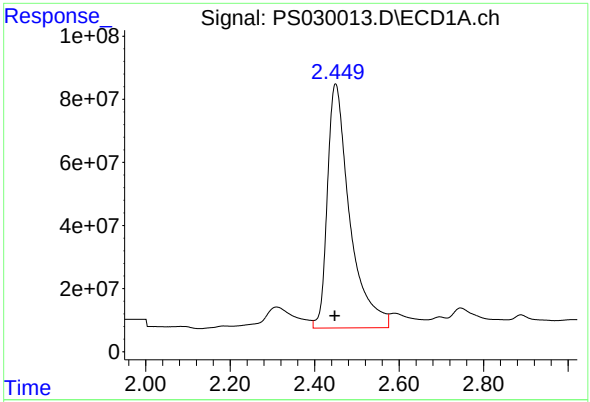
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 04:57:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



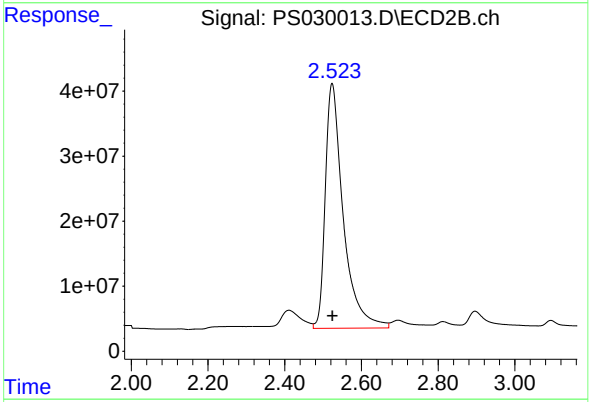




#1 Dalapon

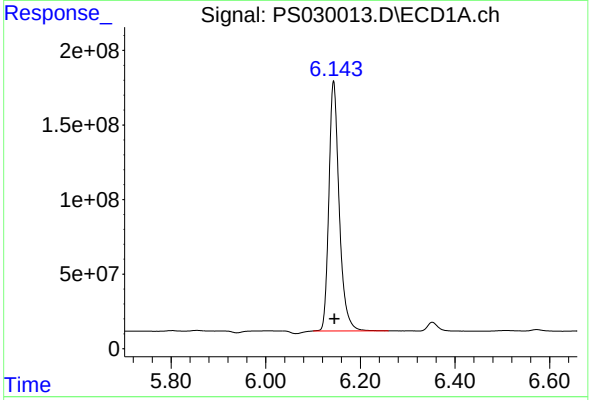
R.T.: 2.450 min
Delta R.T.: 0.002 min
Response: 2842405390
Conc: 694.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



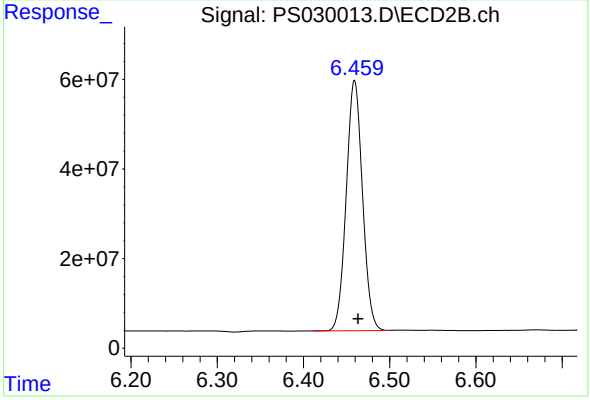
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: -0.001 min
Response: 1224960796
Conc: 705.56 ng/ml



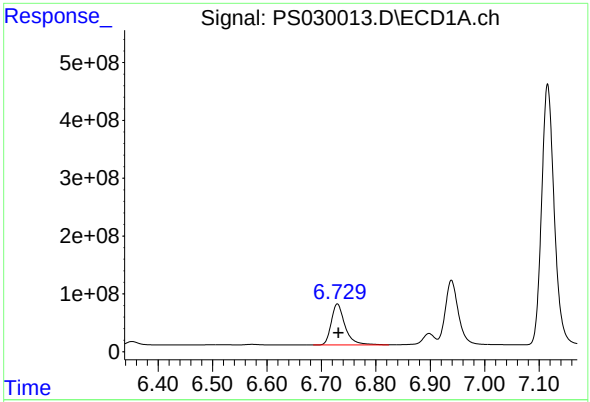
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.143 min
Delta R.T.: -0.002 min
Response: 2534729517
Conc: 709.26 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

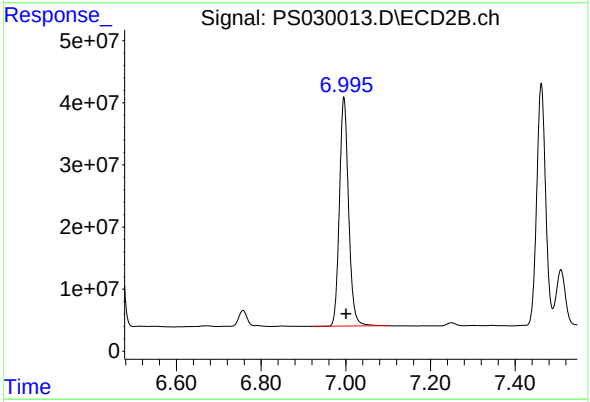
R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 732955479
Conc: 749.77 ng/ml



#3 4-Nitrophenol

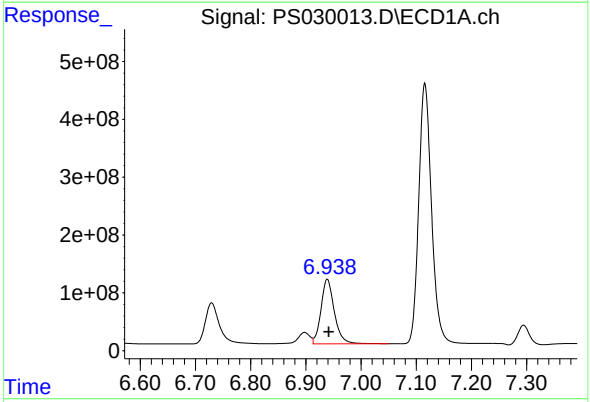
R.T.: 6.729 min
Delta R.T.: -0.002 min
Response: 1248924020
Conc: 700.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



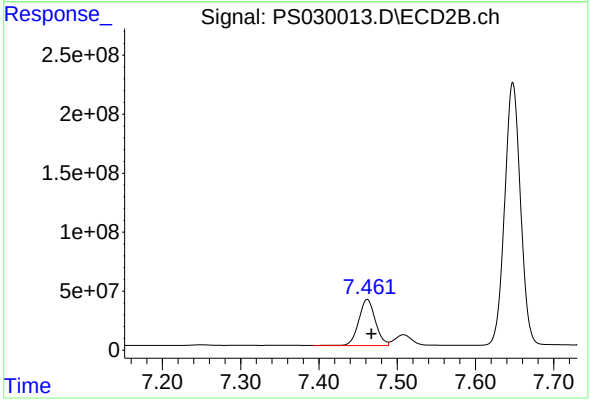
#3 4-Nitrophenol

R.T.: 6.996 min
Delta R.T.: -0.005 min
Response: 553850837
Conc: 723.12 ng/ml



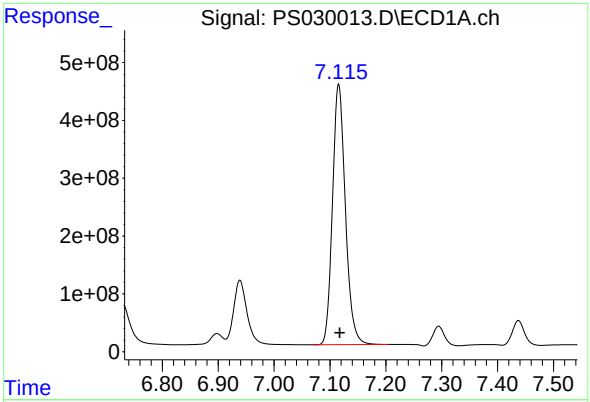
#4 2,4-DCAA

R.T.: 6.939 min
Delta R.T.: -0.003 min
Response: 1871539269
Conc: 760.45 ng/ml



#4 2,4-DCAA

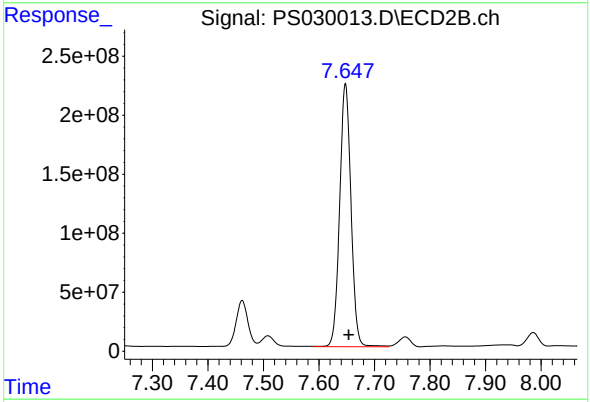
R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 578117969
Conc: 820.59 ng/ml



#5 DICAMBA

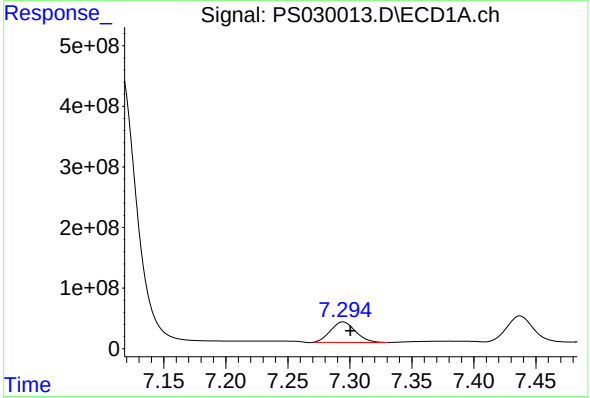
R.T.: 7.116 min
Delta R.T.: -0.002 min
Response: 7216610889
Conc: 728.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



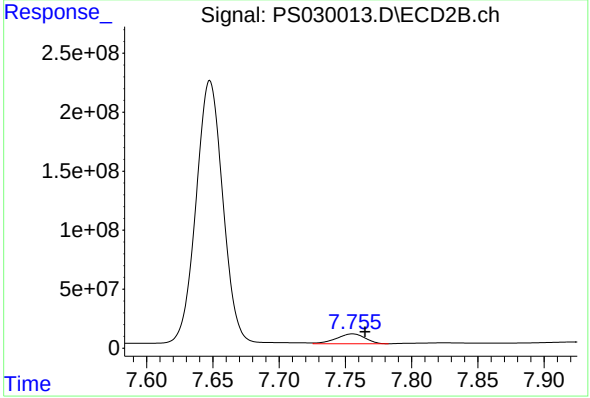
#5 DICAMBA

R.T.: 7.648 min
Delta R.T.: -0.006 min
Response: 3162921794
Conc: 800.73 ng/ml



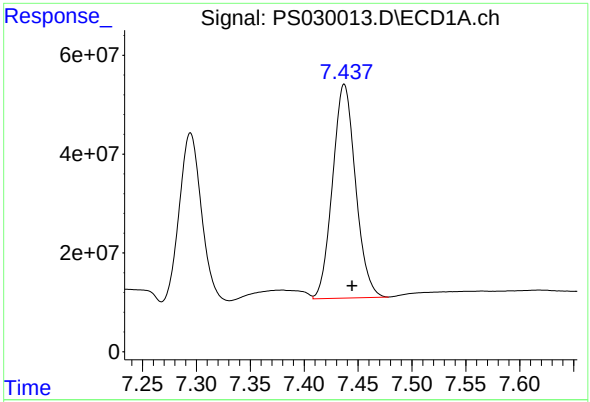
#6 MCPP

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 476765864
Conc: 73.99 ug/ml



#6 MCPP

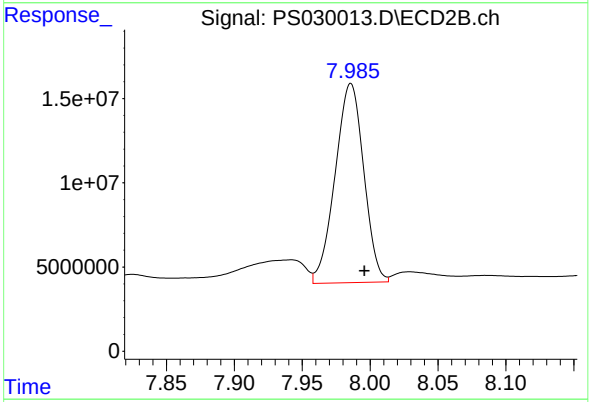
R.T.: 7.755 min
Delta R.T.: -0.009 min
Response: 126951961
Conc: 72.59 ug/ml



#7 MCPA

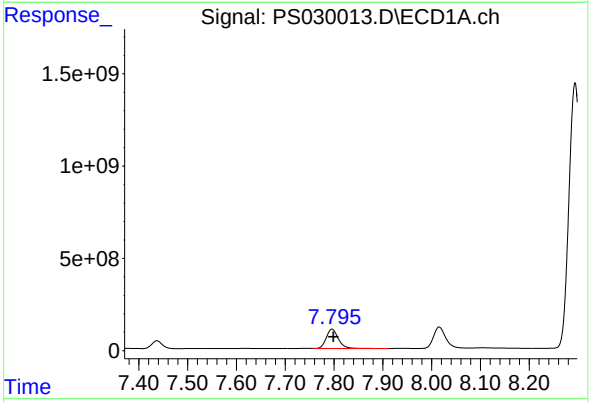
R.T.: 7.437 min
Delta R.T.: -0.007 min
Response: 641986097
Conc: 72.69 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



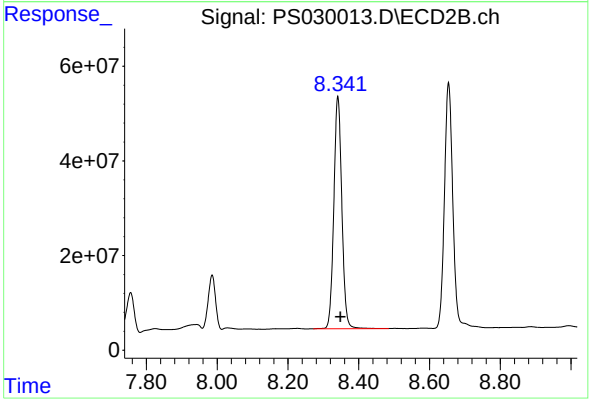
#7 MCPA

R.T.: 7.986 min
Delta R.T.: -0.010 min
Response: 173462992
Conc: 73.32 ug/ml



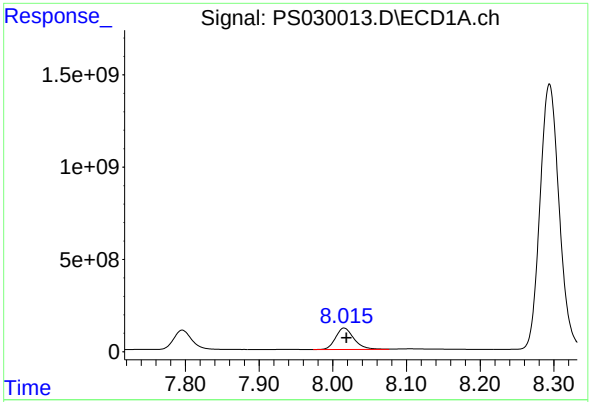
#8 DICHLORPROP

R.T.: 7.796 min
Delta R.T.: -0.003 min
Response: 1794988816
Conc: 708.33 ng/ml



#8 DICHLORPROP

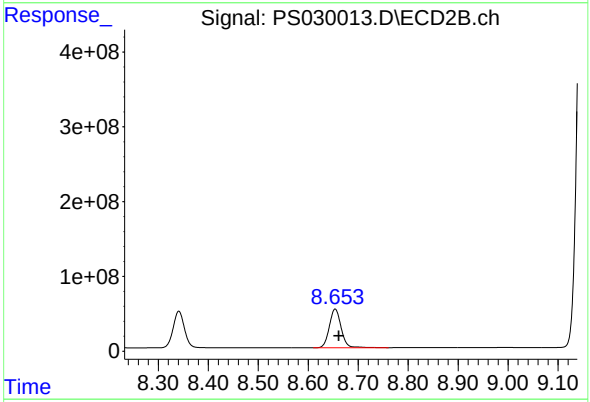
R.T.: 8.341 min
Delta R.T.: -0.007 min
Response: 771298752
Conc: 768.25 ng/ml



#9 2,4-D

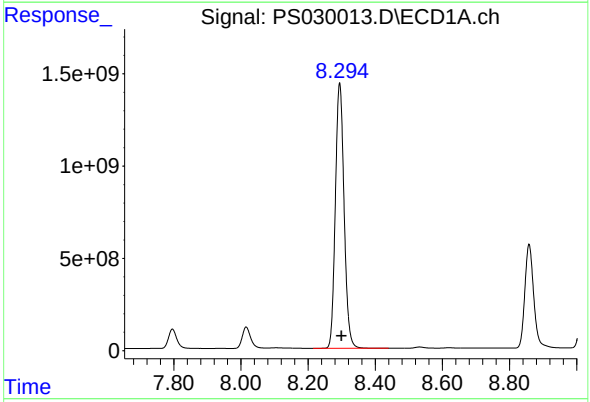
R.T.: 8.015 min
Delta R.T.: -0.003 min
Response: 2025447050
Conc: 720.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



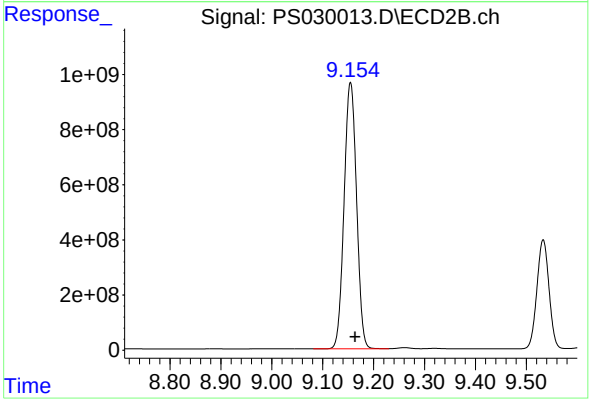
#9 2,4-D

R.T.: 8.654 min
Delta R.T.: -0.007 min
Response: 853360684
Conc: 757.12 ng/ml



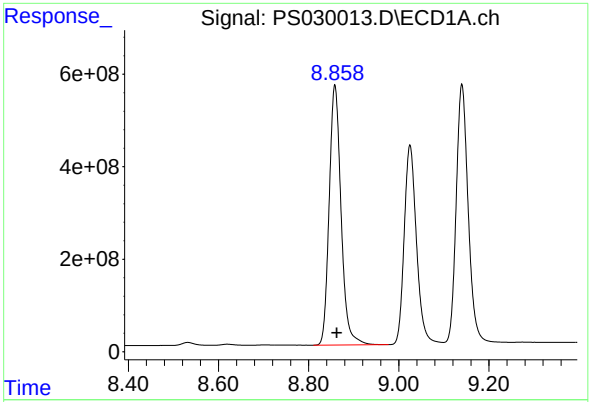
#10 Pentachlorophenol

R.T.: 8.294 min
Delta R.T.: -0.006 min
Response: 25966648022
Conc: 744.35 ng/ml



#10 Pentachlorophenol

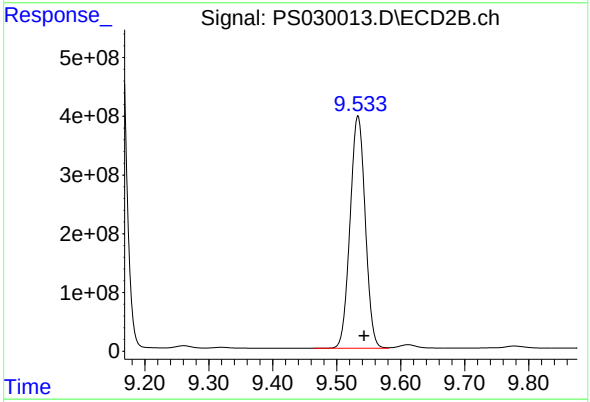
R.T.: 9.155 min
Delta R.T.: -0.009 min
Response: 16440020170
Conc: 808.07 ng/ml



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

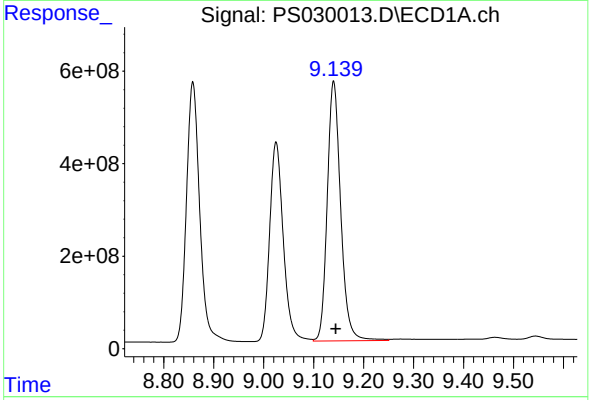
R.T.: 8.858 min
Delta R.T.: -0.004 min
Response: 10286319183
Conc: 742.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



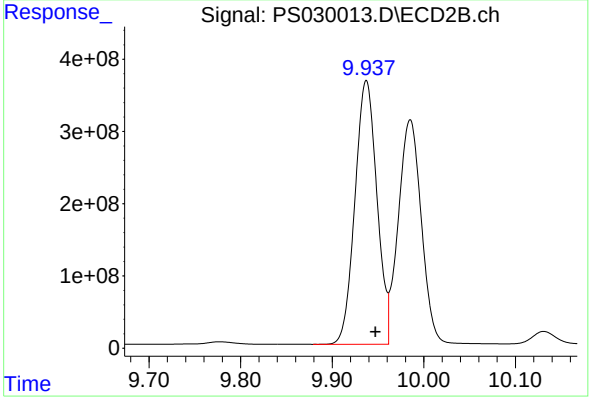
#11 2,4,5-TP (SILVEX)

R.T.: 9.533 min
Delta R.T.: -0.010 min
Response: 6518329316
Conc: 796.69 ng/ml



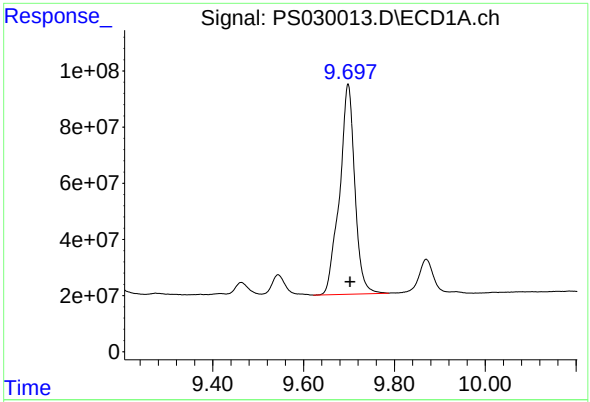
#12 2,4,5-T

R.T.: 9.140 min
Delta R.T.: -0.004 min
Response: 10478000956
Conc: 745.60 ng/ml



#12 2,4,5-T

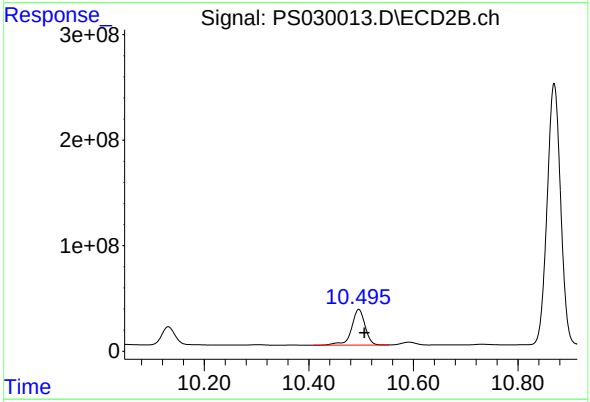
R.T.: 9.937 min
Delta R.T.: -0.010 min
Response: 6086536736
Conc: 784.08 ng/ml



#13 2,4-DB

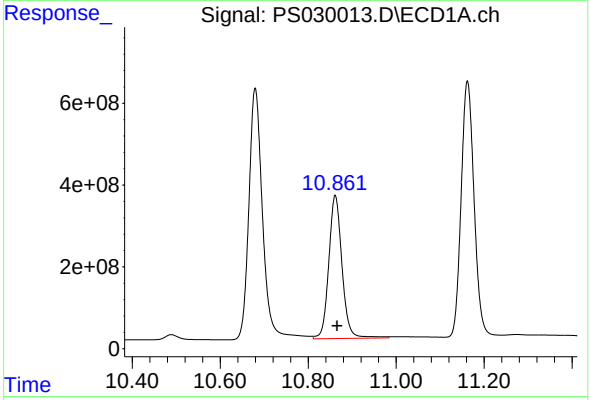
R.T.: 9.698 min
Delta R.T.: -0.004 min
Response: 1745423457
Conc: 763.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



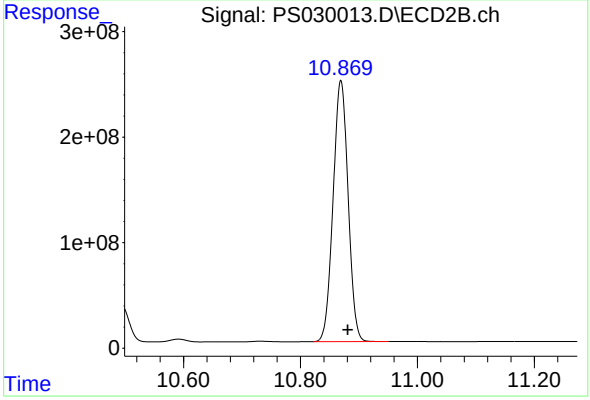
#13 2,4-DB

R.T.: 10.495 min
Delta R.T.: -0.011 min
Response: 609442670
Conc: 757.22 ng/ml



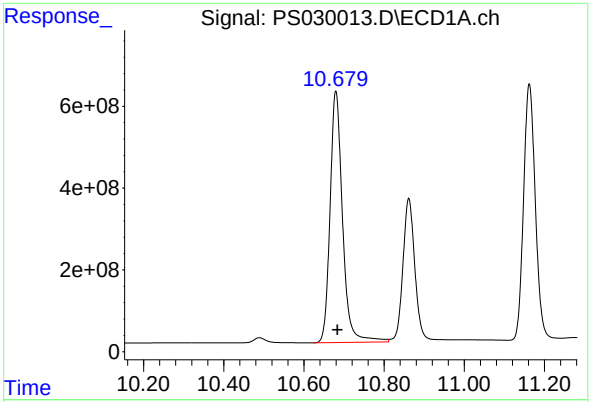
#14 DINOSEB

R.T.: 10.861 min
Delta R.T.: -0.005 min
Response: 7317825824
Conc: 719.31 ng/ml



#14 DINOSEB

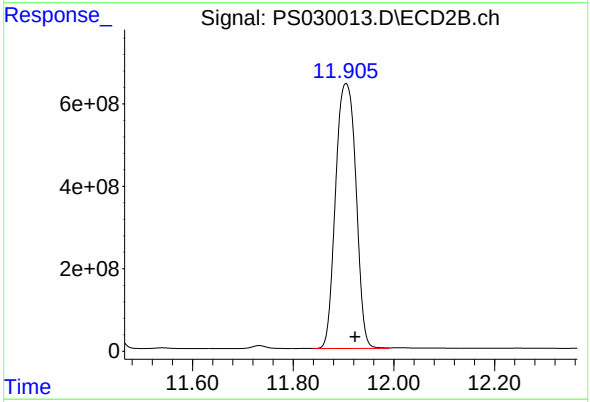
R.T.: 10.869 min
Delta R.T.: -0.012 min
Response: 4407971468
Conc: 755.96 ng/ml



#15 Picloram

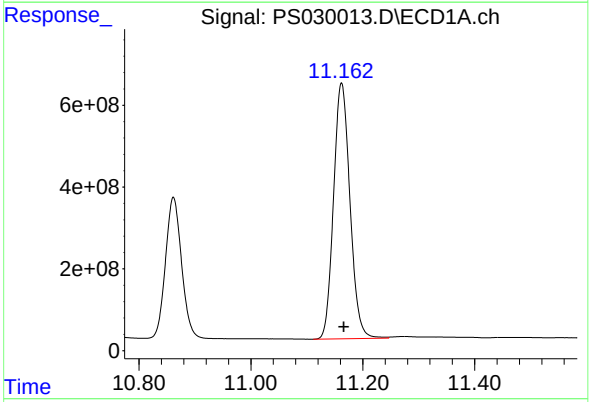
R.T.: 10.680 min
Delta R.T.: -0.004 min
Response: 13288353705
Conc: 724.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



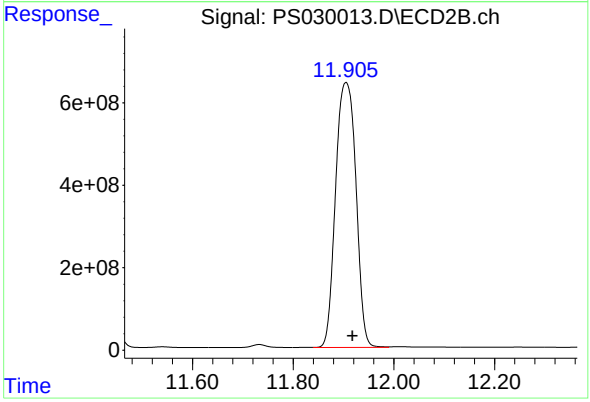
#15 Picloram

R.T.: 11.905 min
Delta R.T.: -0.018 min
Response: 18055353858
Conc: 1469.87 ng/ml



#16 DCPA

R.T.: 11.162 min
Delta R.T.: -0.004 min
Response: 12725385376
Conc: 747.63 ng/ml



#16 DCPA

R.T.: 11.905 min
Delta R.T.: -0.013 min
Response: 18055353858
Conc: 1601.84 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.462	1884.6E6	575.4E6	765.767	816.786	
	Target Compounds							
1) T	Dalapon	2.449	2.523	2798.1E6	1209.5E6	683.247	696.662	
2) T	3,5-DICHL...	6.143	6.459	2544.7E6	733.9E6	712.034	750.706	
3) T	4-Nitroph...	6.728	6.996	1257.5E6	552.2E6	705.169	720.931	
5) T	DICAMBA	7.115	7.648	7244.6E6	3144.8E6	731.569	796.146	
6) T	MCPP	7.294	7.755	469.8E6	129.0E6	72.914	73.740	
7) T	MCPA	7.436	7.986	645.8E6	171.6E6	73.130	72.542	
8) T	DICHLORPROP	7.795	8.341	1809.7E6	774.5E6	714.123	771.491	
9) T	2,4-D	8.014	8.654	2042.0E6	854.2E6	725.956	757.867	
10) T	Pentachlo...	8.293	9.155	26148.2E6	16409.8E6	749.553	806.585	
11) T	2,4,5-TP ...	8.858	9.533	10392.9E6	6513.9E6	749.693	796.152	
12) T	2,4,5-T	9.139	9.937	10599.2E6	6089.9E6	754.227	784.513	
13) T	2,4-DB	9.698	10.495	1756.3E6	619.2E6	768.523	769.370	
14) T	DINOSEB	10.860	10.869	7372.8E6	4425.3E6	724.708	758.937	
15) T	Picloram	10.679	11.905	13694.5E6	18404.4E6	747.085	1498.289	#
16) T	DCPA	11.161	11.905	12916.6E6	18404.4E6	758.863	1632.808	#

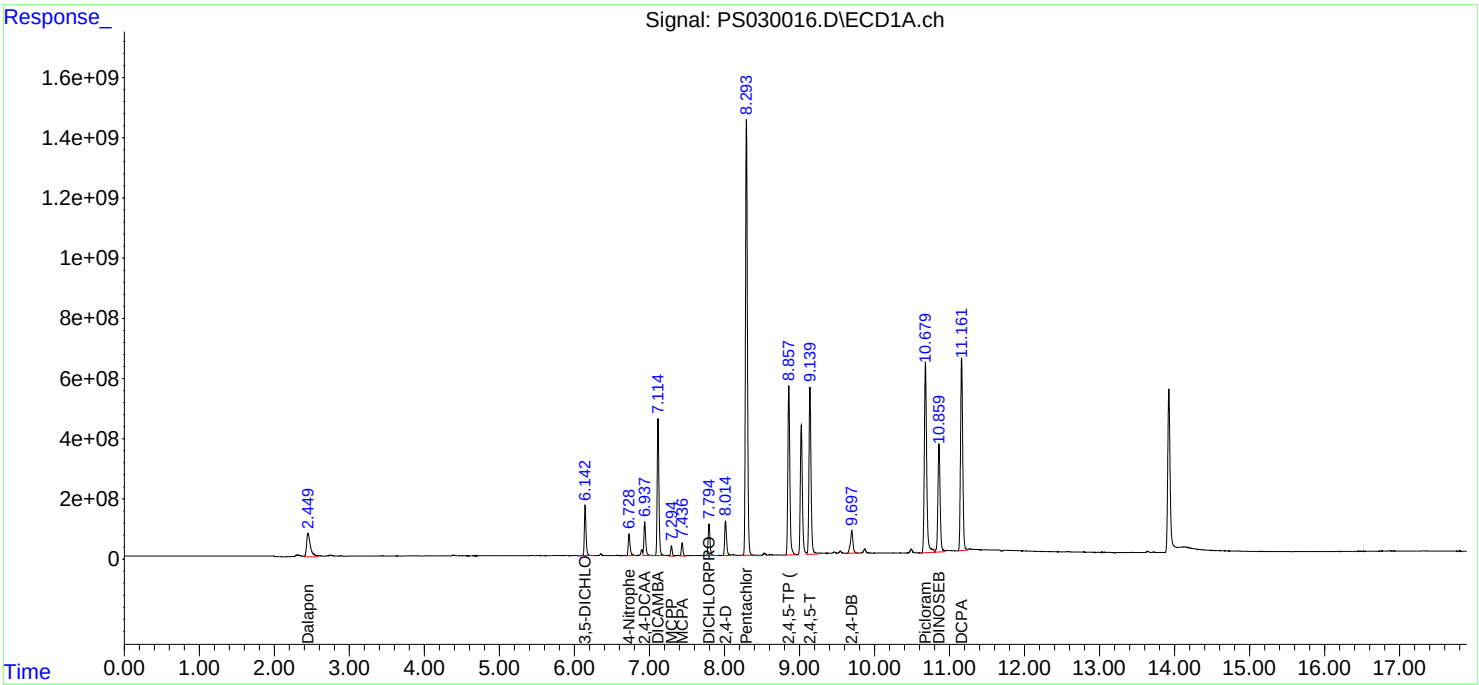
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

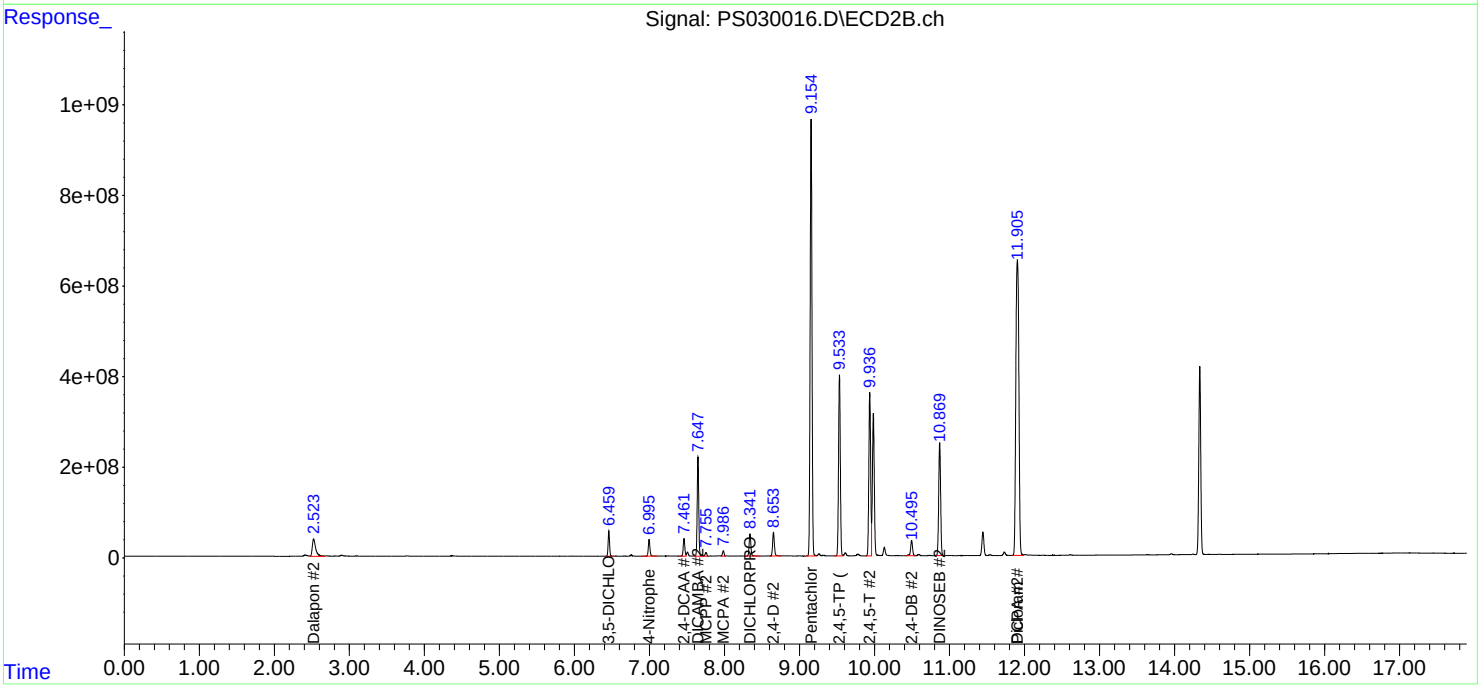
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

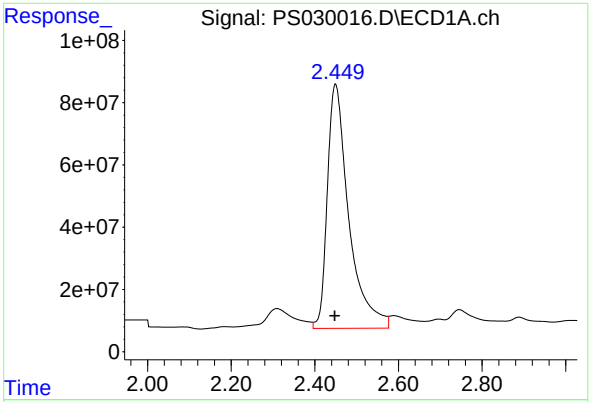
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



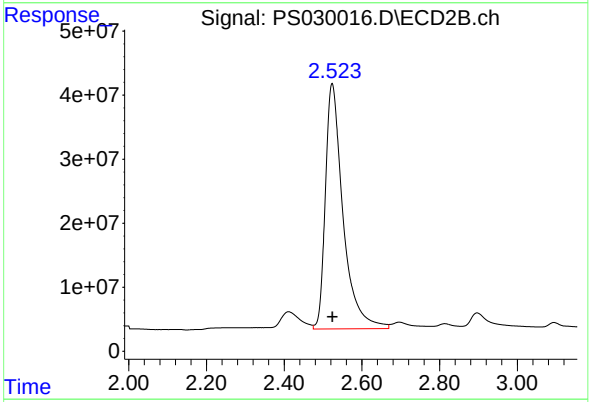




#1 Dalapon

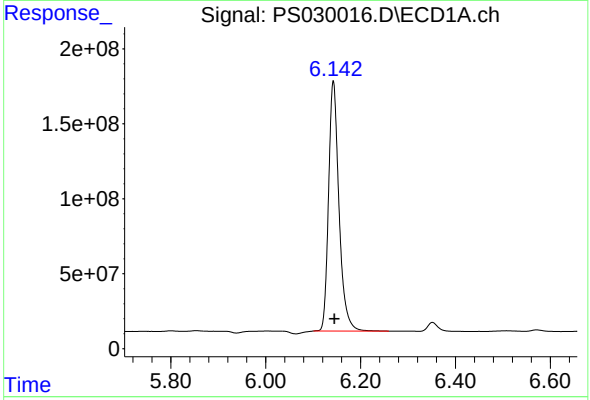
R.T.: 2.449 min
Delta R.T.: 0.001 min
Response: 2798074434
Conc: 683.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



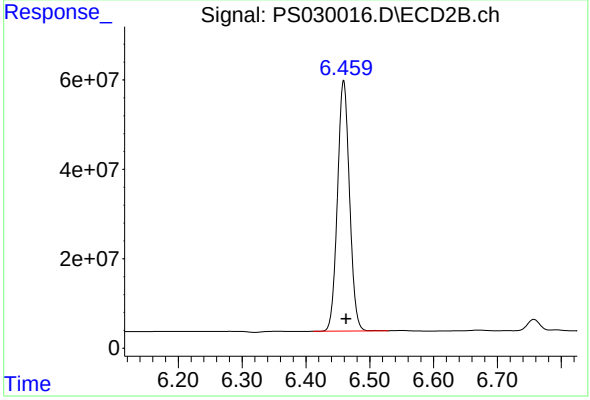
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: 0.000 min
Response: 1209506191
Conc: 696.66 ng/ml



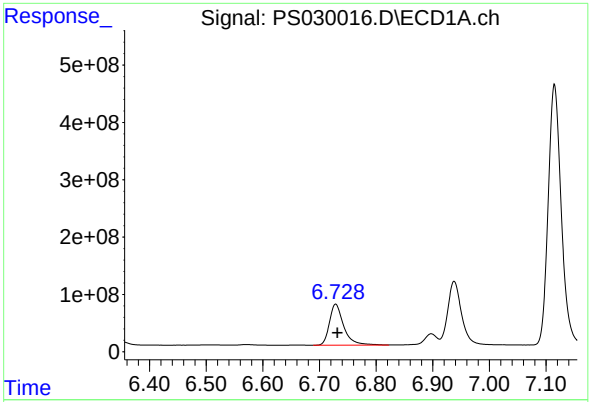
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.143 min
Delta R.T.: -0.003 min
Response: 2544656484
Conc: 712.03 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

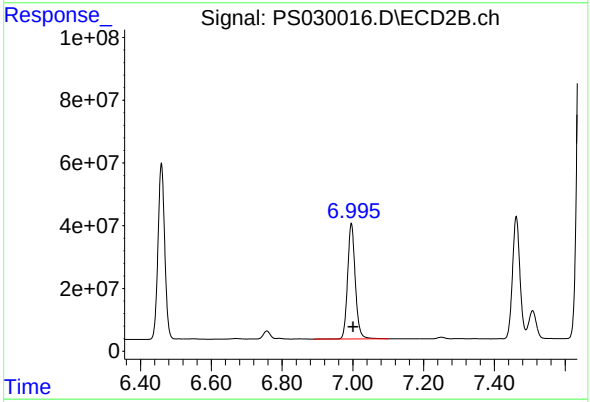
R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 733875039
Conc: 750.71 ng/ml



#3 4-Nitrophenol

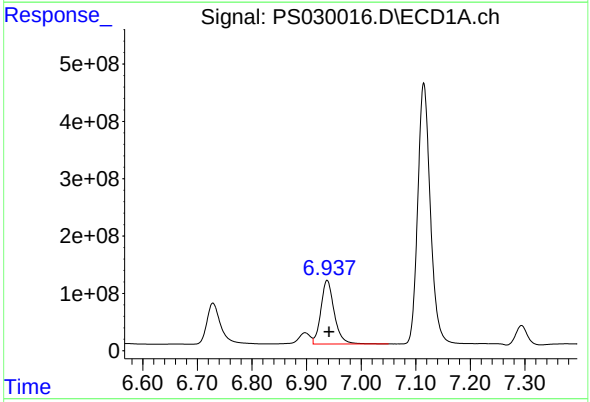
R.T.: 6.728 min
Delta R.T.: -0.003 min
Response: 1257541620
Conc: 705.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



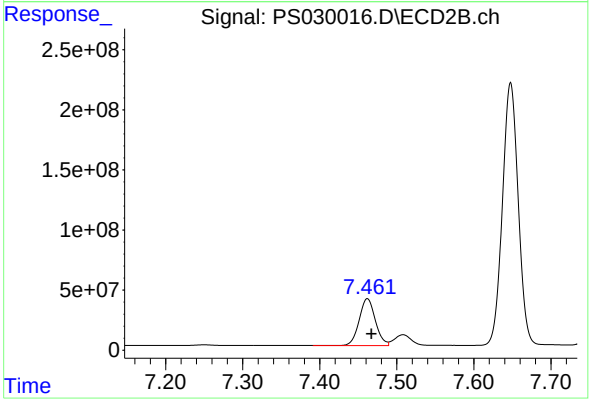
#3 4-Nitrophenol

R.T.: 6.996 min
Delta R.T.: -0.005 min
Response: 552176387
Conc: 720.93 ng/ml



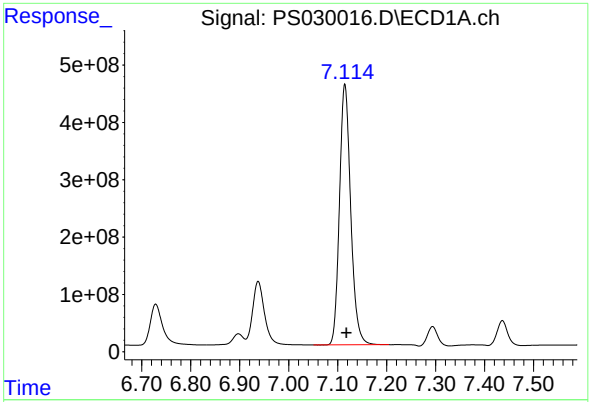
#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 1884613932
Conc: 765.77 ng/ml



#4 2,4-DCAA

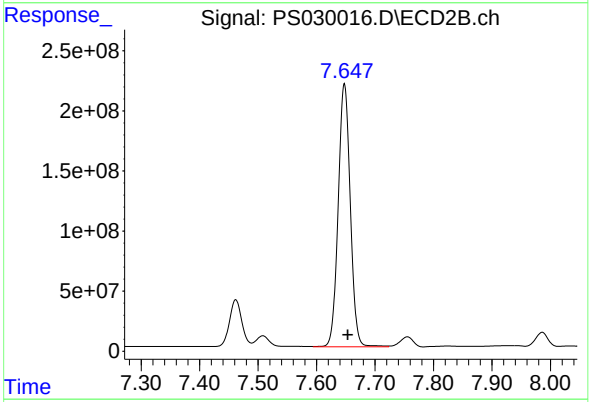
R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 575439313
Conc: 816.79 ng/ml



#5 DICAMBA

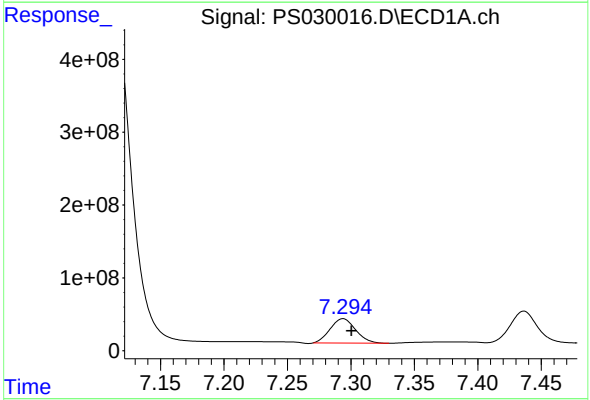
R.T.: 7.115 min
Delta R.T.: -0.003 min
Response: 7244628718
Conc: 731.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



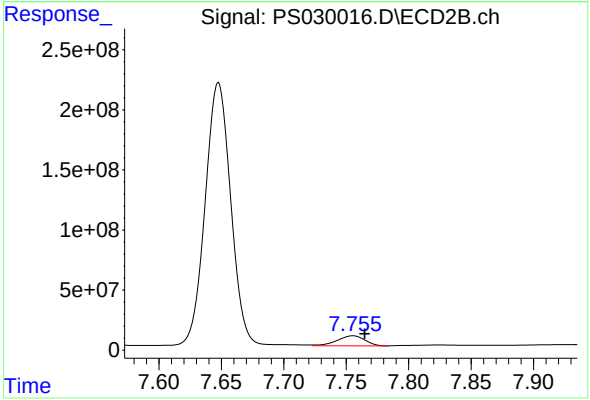
#5 DICAMBA

R.T.: 7.648 min
Delta R.T.: -0.006 min
Response: 3144828216
Conc: 796.15 ng/ml



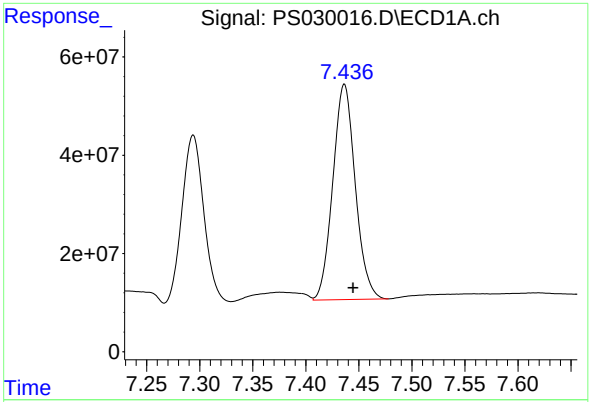
#6 MCPP

R.T.: 7.294 min
Delta R.T.: -0.006 min
Response: 469831489
Conc: 72.91 ug/ml



#6 MCPP

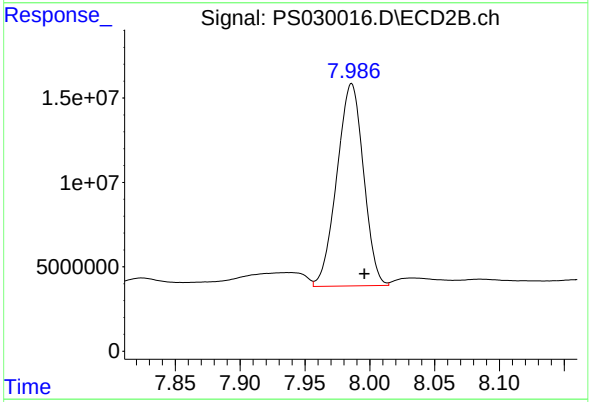
R.T.: 7.755 min
Delta R.T.: -0.010 min
Response: 128968282
Conc: 73.74 ug/ml



#7 MCPA

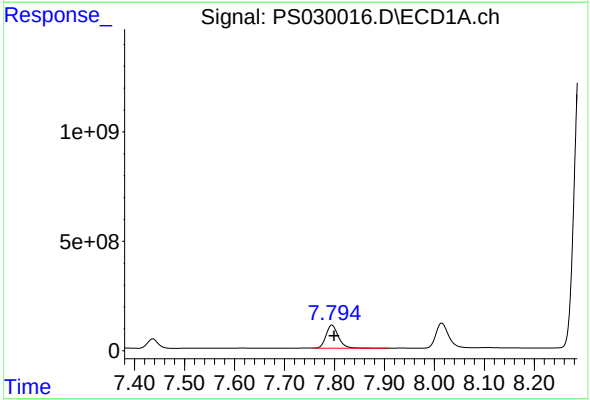
R.T.: 7.436 min
Delta R.T.: -0.008 min
Response: 645840618
Conc: 73.13 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



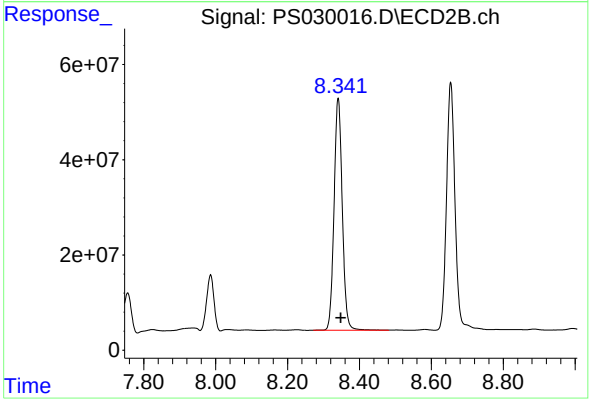
#7 MCPA

R.T.: 7.986 min
Delta R.T.: -0.010 min
Response: 171619066
Conc: 72.54 ug/ml



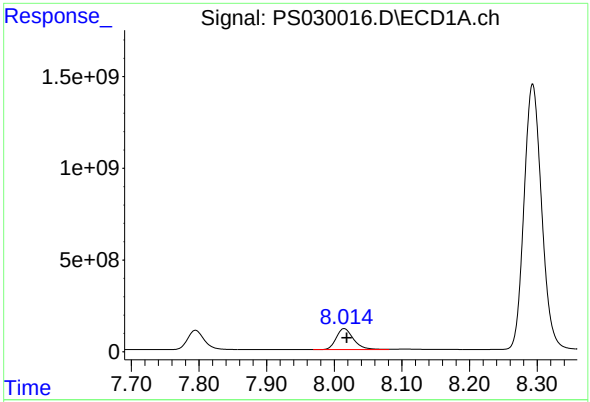
#8 DICHLORPROP

R.T.: 7.795 min
Delta R.T.: -0.004 min
Response: 1809664833
Conc: 714.12 ng/ml



#8 DICHLORPROP

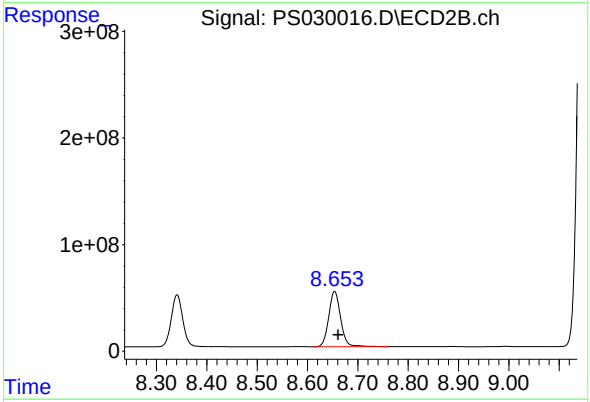
R.T.: 8.341 min
Delta R.T.: -0.007 min
Response: 774549366
Conc: 771.49 ng/ml



#9 2,4-D

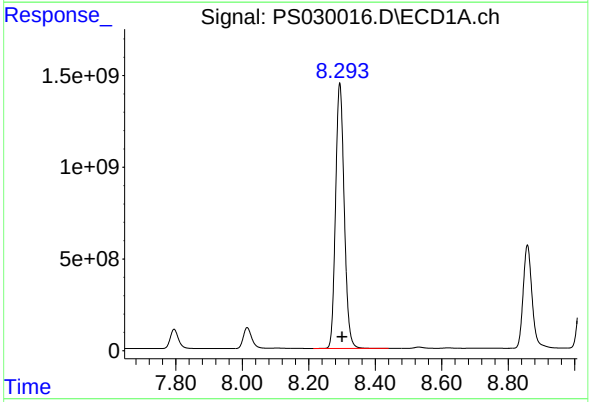
R.T.: 8.014 min
Delta R.T.: -0.004 min
Response: 2042021191
Conc: 725.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



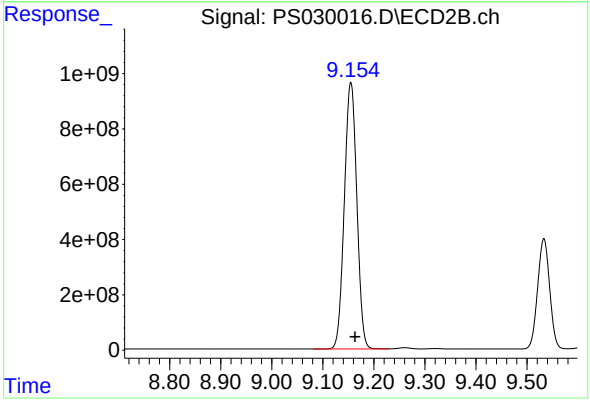
#9 2,4-D

R.T.: 8.654 min
Delta R.T.: -0.007 min
Response: 854197073
Conc: 757.87 ng/ml



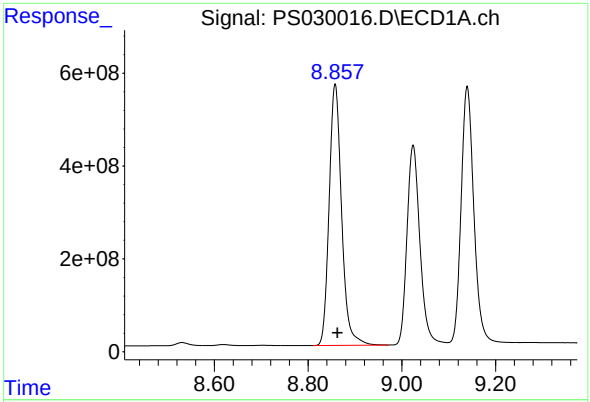
#10 Pentachlorophenol

R.T.: 8.293 min
Delta R.T.: -0.006 min
Response: 26148171863
Conc: 749.55 ng/ml



#10 Pentachlorophenol

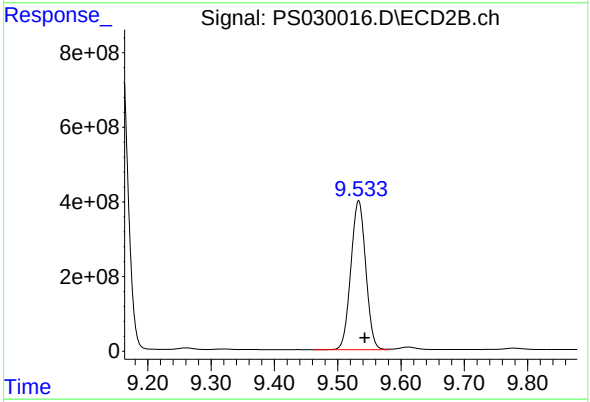
R.T.: 9.155 min
Delta R.T.: -0.009 min
Response: 16409812223
Conc: 806.58 ng/ml



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

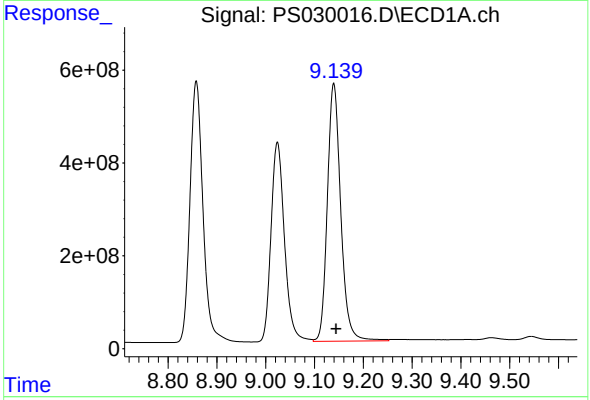
R.T.: 8.858 min
Delta R.T.: -0.004 min
Response: 10392876642
Conc: 749.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



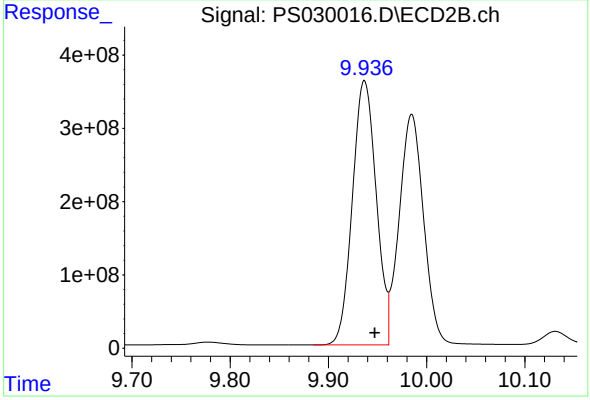
#11 2,4,5-TP (SILVEX)

R.T.: 9.533 min
Delta R.T.: -0.010 min
Response: 6513919285
Conc: 796.15 ng/ml



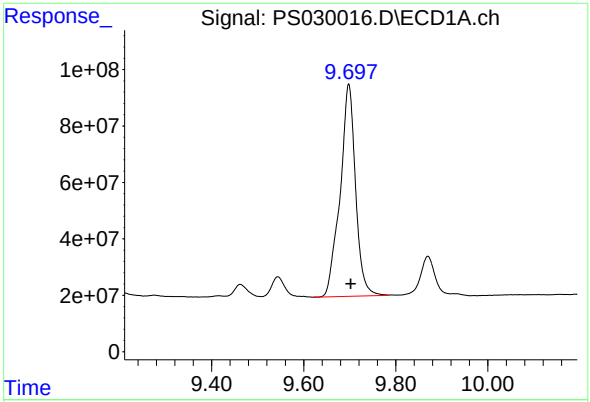
#12 2,4,5-T

R.T.: 9.139 min
Delta R.T.: -0.005 min
Response: 10599227676
Conc: 754.23 ng/ml



#12 2,4,5-T

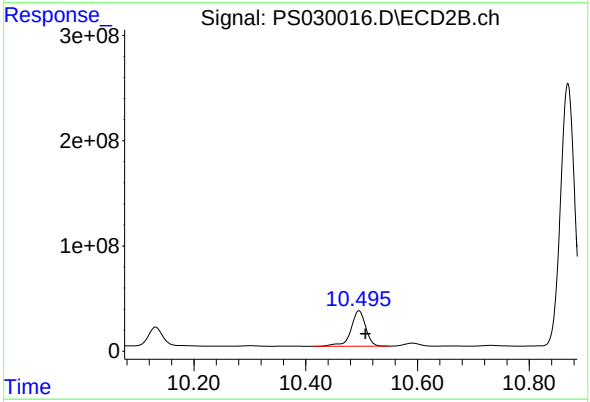
R.T.: 9.937 min
Delta R.T.: -0.010 min
Response: 6089857207
Conc: 784.51 ng/ml



#13 2,4-DB

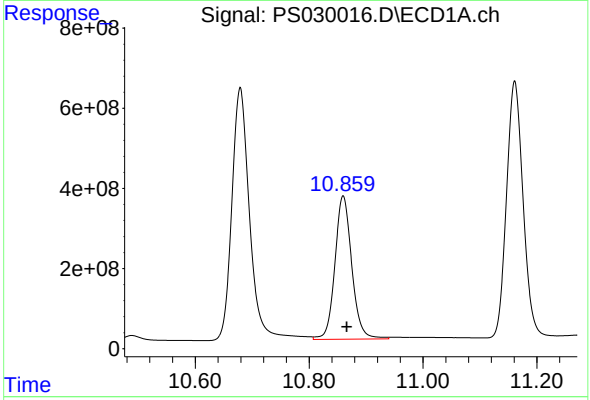
R.T.: 9.698 min
Delta R.T.: -0.004 min
Response: 1756348858
Conc: 768.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



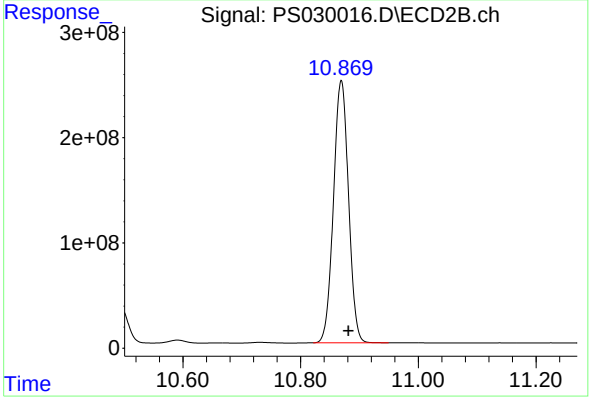
#13 2,4-DB

R.T.: 10.495 min
Delta R.T.: -0.011 min
Response: 619221462
Conc: 769.37 ng/ml



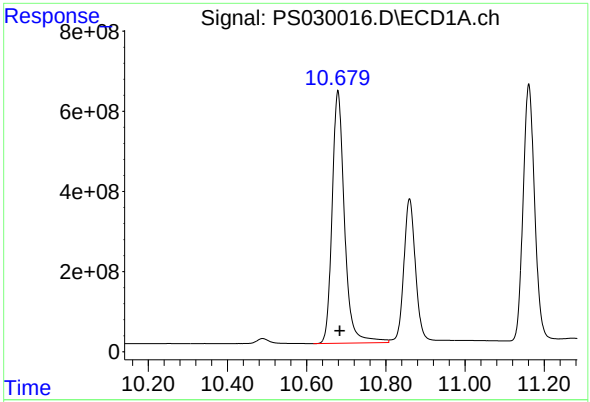
#14 DINOSEB

R.T.: 10.860 min
Delta R.T.: -0.006 min
Response: 7372763225
Conc: 724.71 ng/ml



#14 DINOSEB

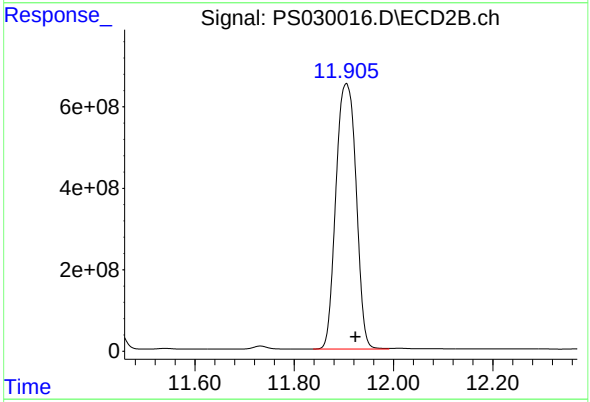
R.T.: 10.869 min
Delta R.T.: -0.012 min
Response: 4425346841
Conc: 758.94 ng/ml



#15 Picloram

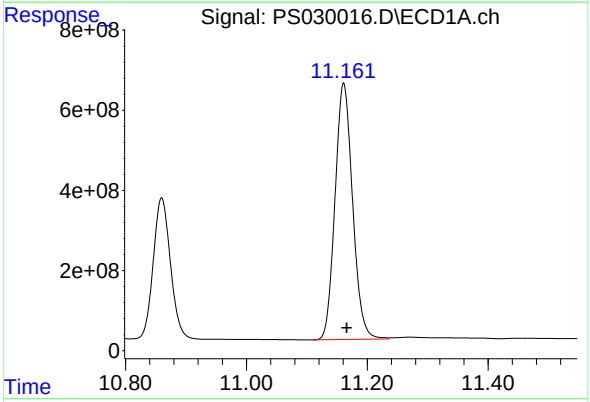
R.T.: 10.679 min
Delta R.T.: -0.005 min
Response: 13694525497
Conc: 747.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



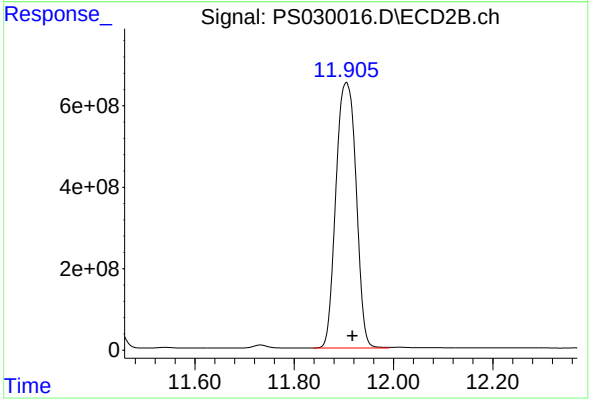
#15 Picloram

R.T.: 11.905 min
Delta R.T.: -0.018 min
Response: 18404441572
Conc: 1498.29 ng/ml



#16 DCPA

R.T.: 11.161 min
Delta R.T.: -0.005 min
Response: 12916607287
Conc: 758.86 ng/ml



#16 DCPA

R.T.: 11.905 min
Delta R.T.: -0.013 min
Response: 18404441572
Conc: 1632.81 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:51
Operator : AR\AJ
Sample : Q1983-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.462	1078.1E6	293.0E6	438.074	415.858	
	Target Compounds							
1) T	Dalapon	2.432	2.499f	198.5E6	30851519	48.460	17.770	#
2) T	3,5-DICHL...	6.136	6.469	5065169	19736620	1.417	20.189	#
3) T	4-Nitroph...	6.719	6.988	34601750	12204445	19.403	15.934	
5) T	DICAMBA	7.130	7.629	20840115	10292797	2.104	2.606	
6) T	MCPP	7.286	7.789	2374565	11599435	<MDL	6.632	#
7) T	MCPA	7.446	8.021f	18185276	21087650	2.059	8.914	#
8) T	DICHLORPROP	7.799	8.362	48423986	83292801	19.109	82.964	#
9) T	2,4-D	8.027	8.631f	54131730	14339780	19.244	12.723	#
10) T	Pentachlo...	8.290	9.152	140.3E6	26158906	4.023	1.286	#
11) T	2,4,5-TP ...	8.883	9.550	12123631	50827137	<MDL	6.212	#
12) T	2,4,5-T	9.181f	9.914f	91226312	86813759	6.492	11.184	#
13) T	2,4-DB	9.720	10.473f	232.3E6	52968504	101.658	65.812	#
14) T	DINOSEB	10.851	10.893	54420857	5942261	5.349	1.019	#
15) T	Picloram	10.680	11.917	520.4E6	250.0E6	28.389	20.349	#
16) T	DCPA	11.151	11.917	109.0E6	250.0E6	6.406	22.176	#

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

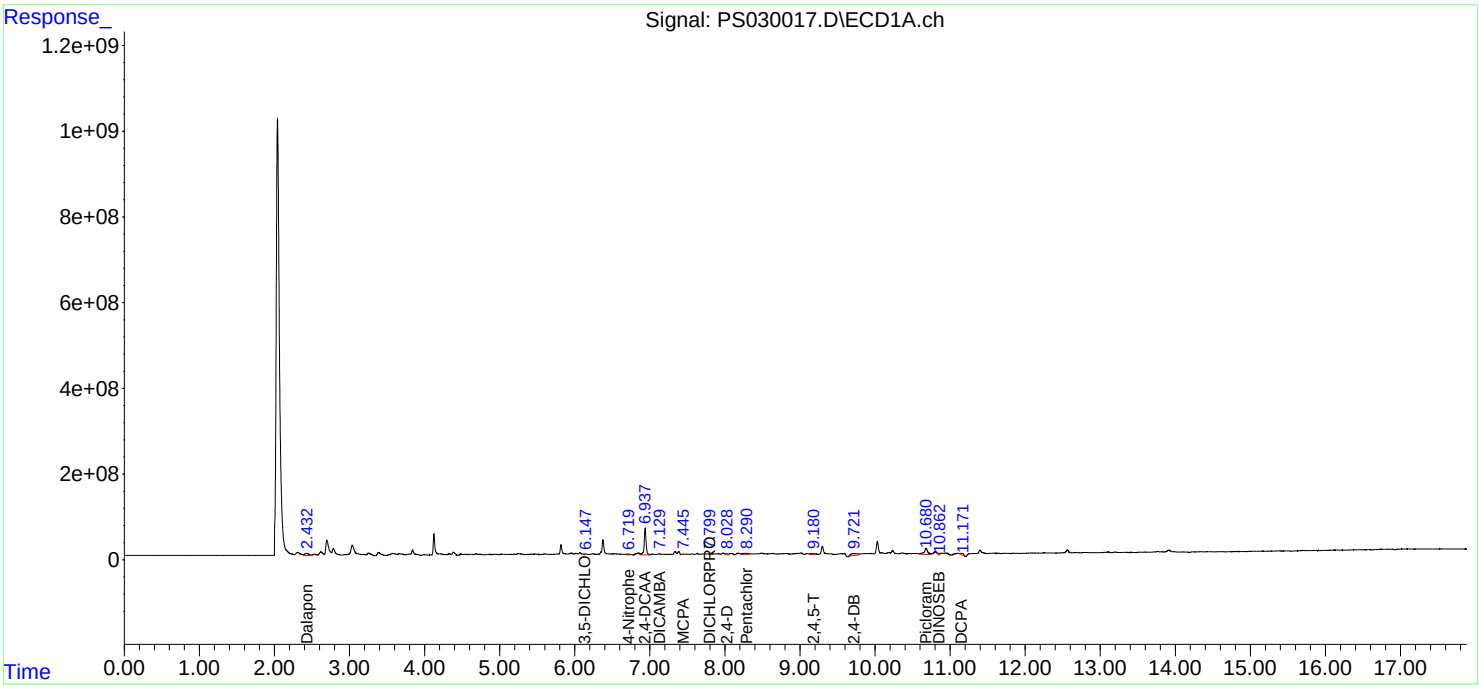
Quantitation Report (Not Reviewed)

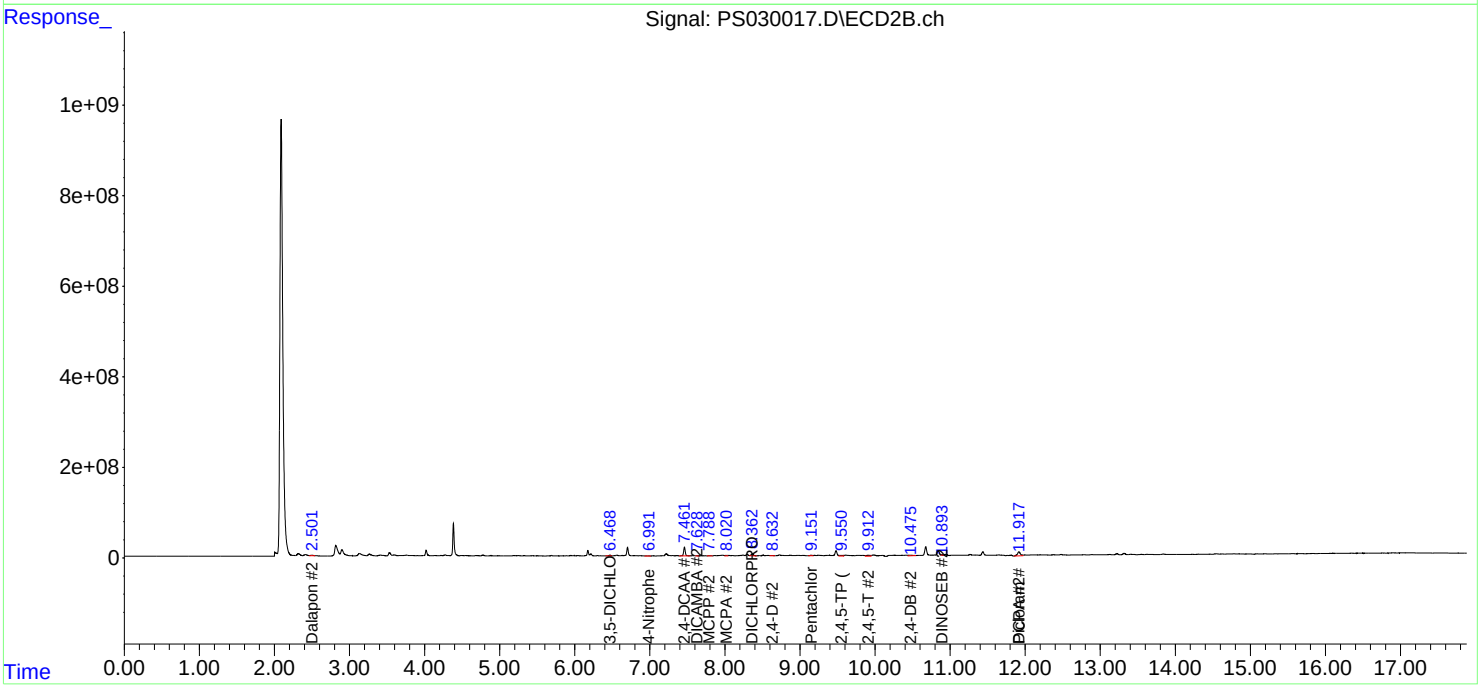
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:51
Operator : AR\AJ
Sample : Q1983-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

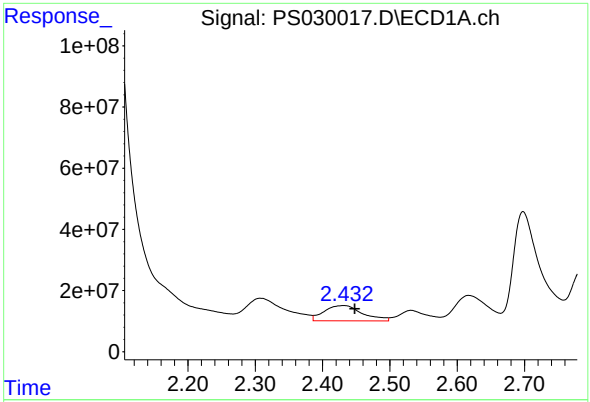
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



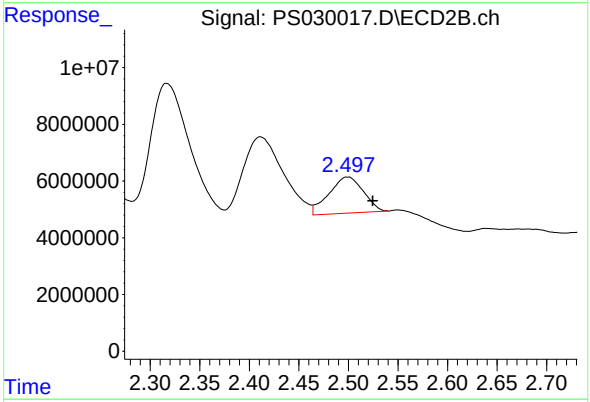




#1 Dalapon

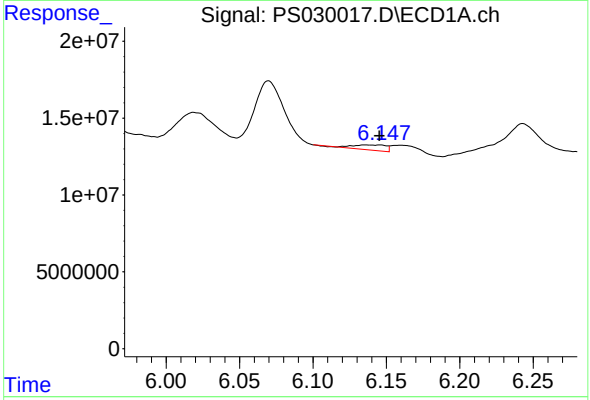
R.T.: 2.432 min
Delta R.T.: -0.016 min
Response: 198456442
Conc: 48.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325



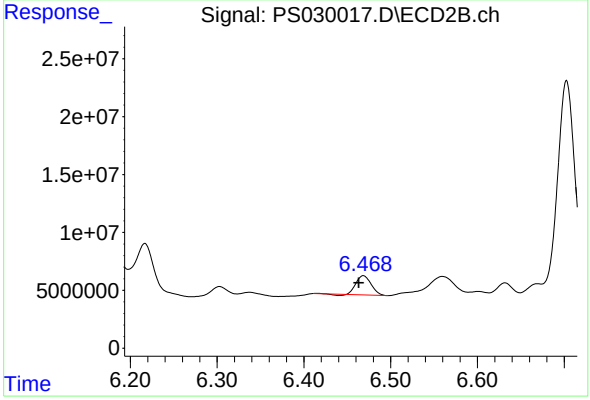
#1 Dalapon

R.T.: 2.499 min
Delta R.T.: -0.025 min
Response: 30851519
Conc: 17.77 ng/ml



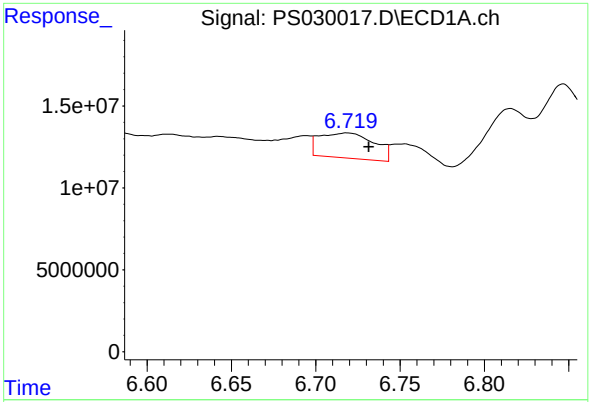
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.136 min
Delta R.T.: -0.010 min
Response: 5065169
Conc: 1.42 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

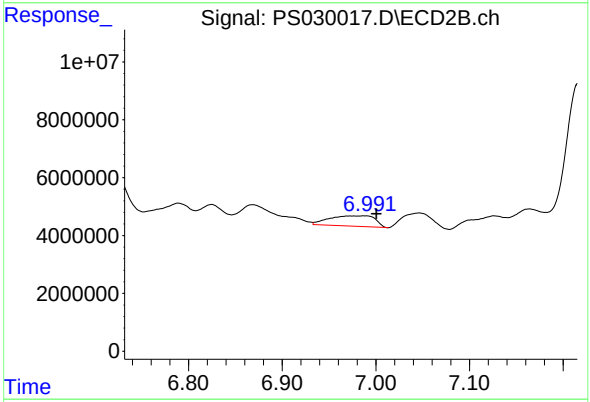
R.T.: 6.469 min
Delta R.T.: 0.005 min
Response: 19736620
Conc: 20.19 ng/ml



#3 4-Nitrophenol

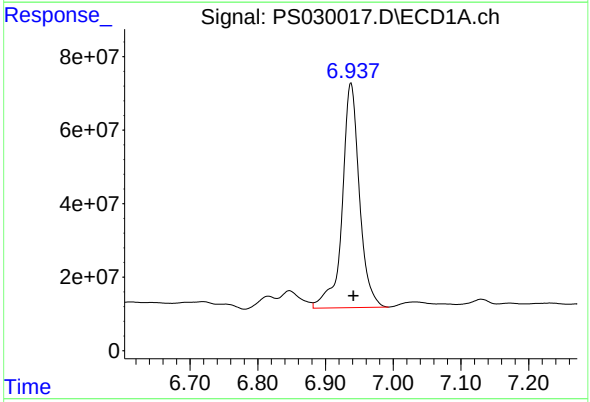
R.T.: 6.719 min
Delta R.T.: -0.013 min
Response: 34601750
Conc: 19.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325



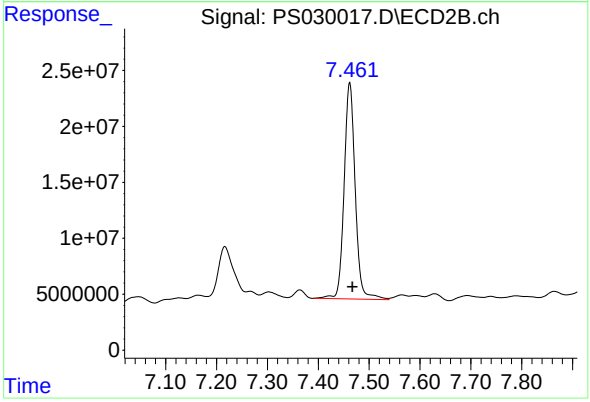
#3 4-Nitrophenol

R.T.: 6.988 min
Delta R.T.: -0.013 min
Response: 12204445
Conc: 15.93 ng/ml



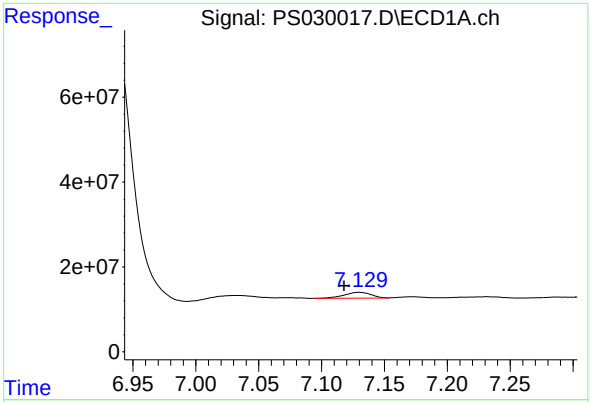
#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 1078133489
Conc: 438.07 ng/ml



#4 2,4-DCAA

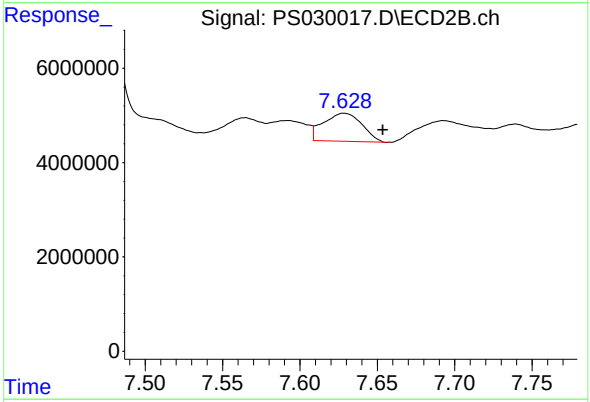
R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 292978773
Conc: 415.86 ng/ml



#5 DICAMBA

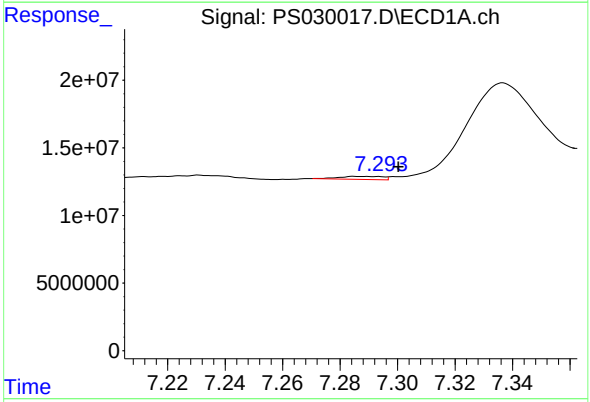
R.T.: 7.130 min
Delta R.T.: 0.012 min
Response: 20840115
Conc: 2.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325



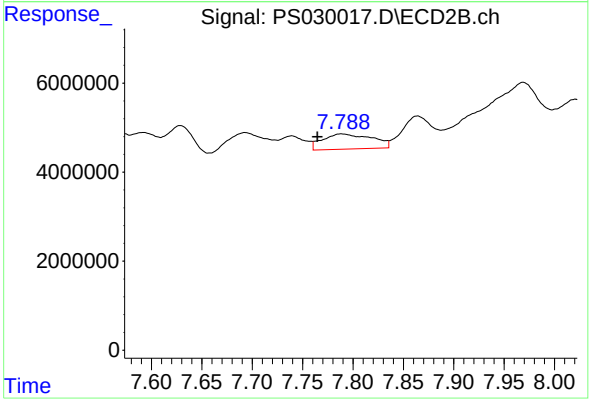
#5 DICAMBA

R.T.: 7.629 min
Delta R.T.: -0.025 min
Response: 10292797
Conc: 2.61 ng/ml



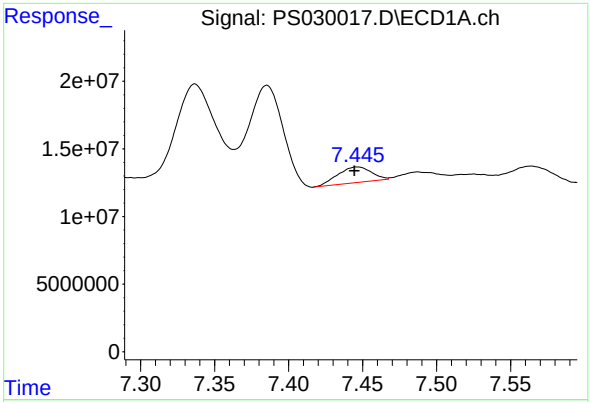
#6 MCPP

R.T.: 7.286 min
Delta R.T.: -0.015 min
Response: 2374565
Conc: N.D.



#6 MCPP

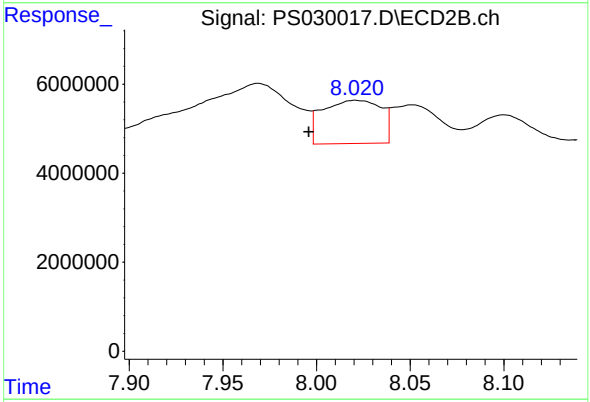
R.T.: 7.789 min
Delta R.T.: 0.024 min
Response: 11599435
Conc: 6.63 ug/ml



#7 MCPA

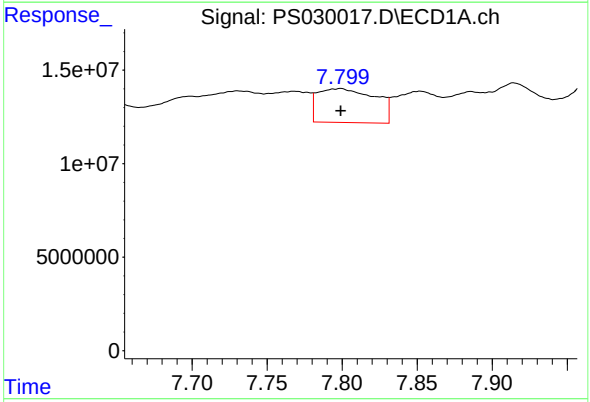
R.T.: 7.446 min
Delta R.T.: 0.002 min
Response: 18185276
Conc: 2.06 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325



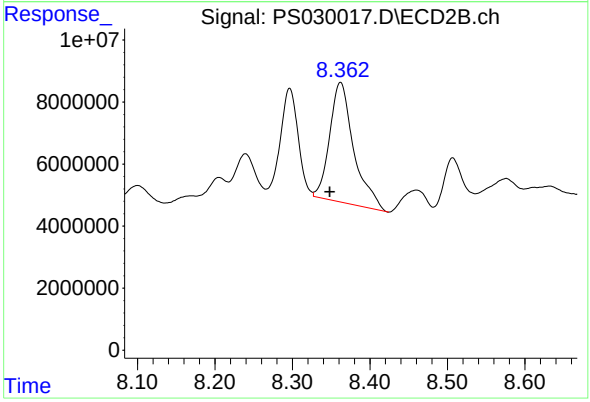
#7 MCPA

R.T.: 8.021 min
Delta R.T.: 0.025 min
Response: 21087650
Conc: 8.91 ug/ml



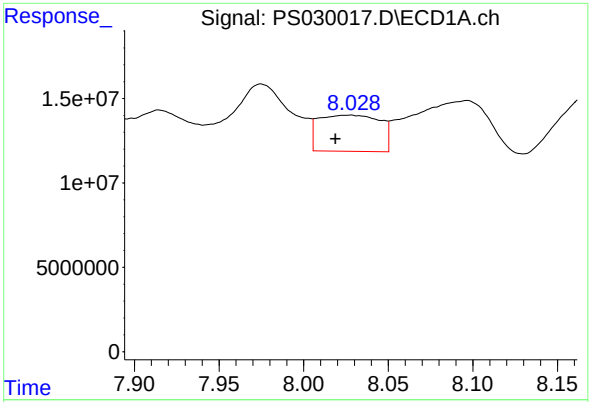
#8 DICHLORPROP

R.T.: 7.799 min
Delta R.T.: 0.000 min
Response: 48423986
Conc: 19.11 ng/ml



#8 DICHLORPROP

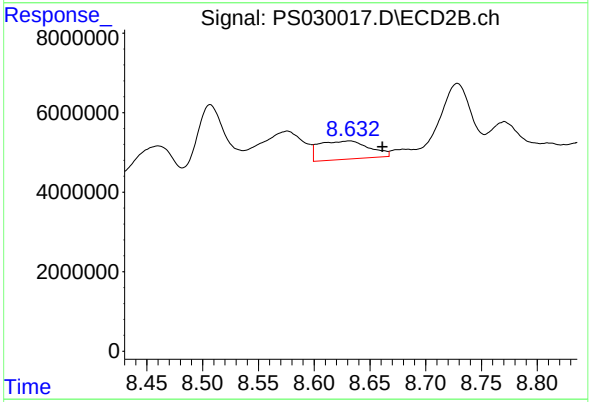
R.T.: 8.362 min
Delta R.T.: 0.014 min
Response: 83292801
Conc: 82.96 ng/ml



#9 2,4-D

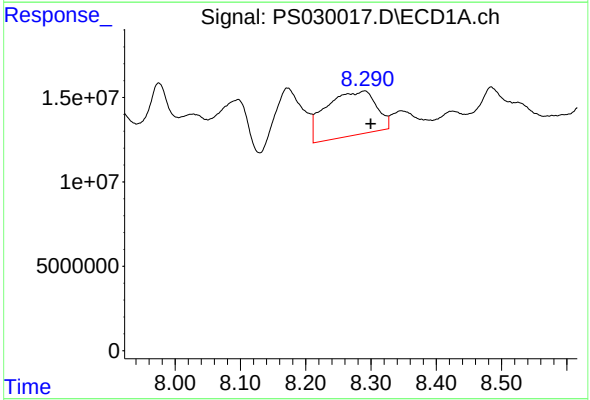
R.T.: 8.027 min
Delta R.T.: 0.009 min
Response: 54131730
Conc: 19.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325



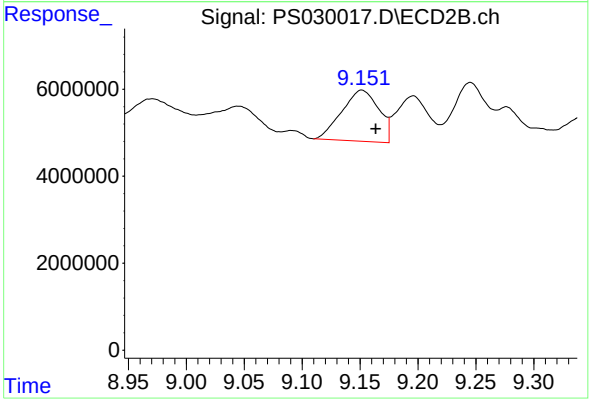
#9 2,4-D

R.T.: 8.631 min
Delta R.T.: -0.030 min
Response: 14339780
Conc: 12.72 ng/ml



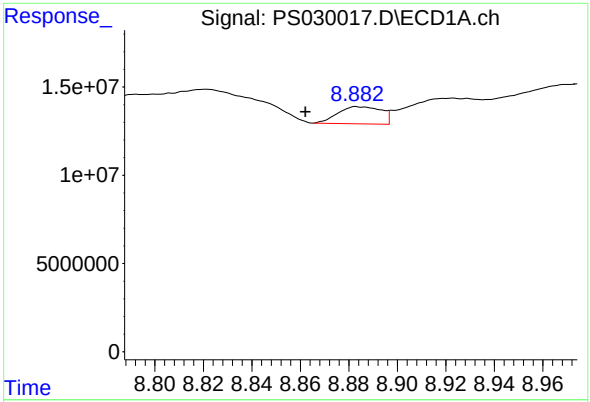
#10 Pentachlorophenol

R.T.: 8.290 min
Delta R.T.: -0.009 min
Response: 140338157
Conc: 4.02 ng/ml



#10 Pentachlorophenol

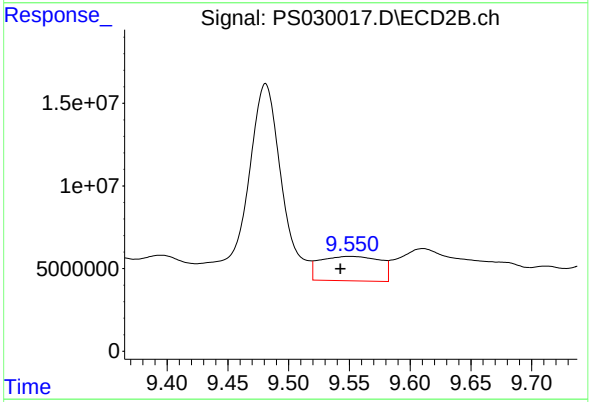
R.T.: 9.152 min
Delta R.T.: -0.012 min
Response: 26158906
Conc: 1.29 ng/ml



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

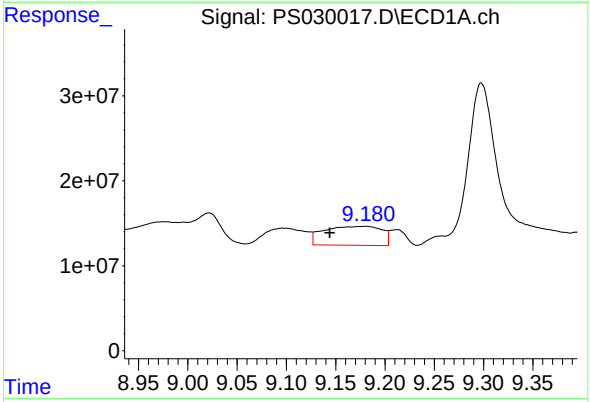
R.T.: 8.883 min
Delta R.T.: 0.021 min
Response: 12123631
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325



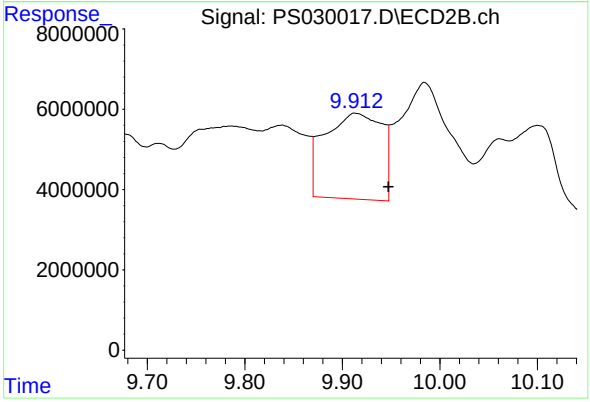
#11 2,4,5-TP (SILVEX)

R.T.: 9.550 min
Delta R.T.: 0.008 min
Response: 50827137
Conc: 6.21 ng/ml



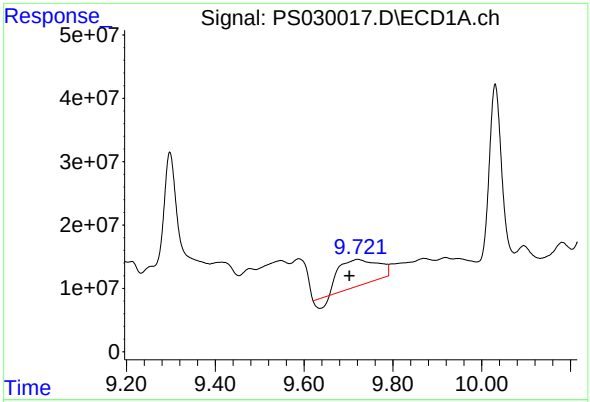
#12 2,4,5-T

R.T.: 9.181 min
Delta R.T.: 0.037 min
Response: 91226312
Conc: 6.49 ng/ml



#12 2,4,5-T

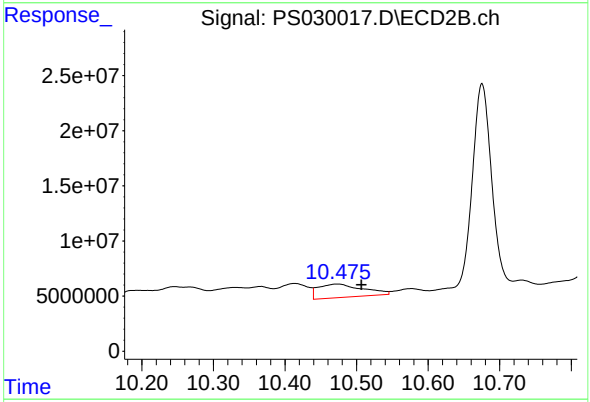
R.T.: 9.914 min
Delta R.T.: -0.034 min
Response: 86813759
Conc: 11.18 ng/ml



#13 2,4-DB

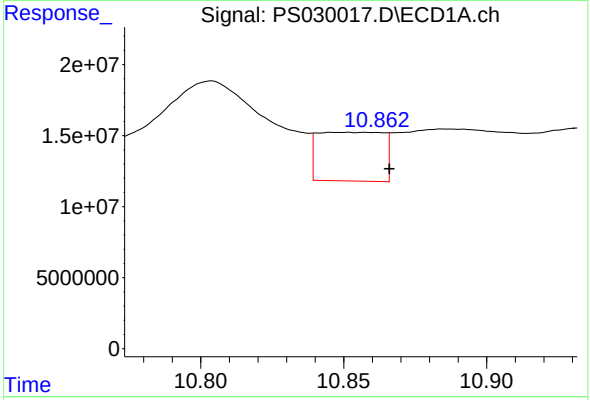
R.T.: 9.720 min
Delta R.T.: 0.018 min
Response: 232323707
Conc: 101.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325



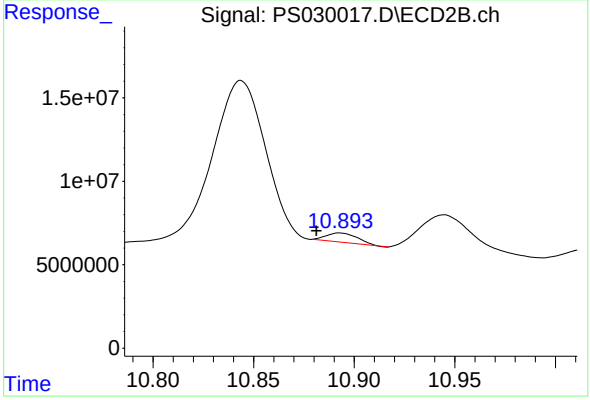
#13 2,4-DB

R.T.: 10.473 min
Delta R.T.: -0.034 min
Response: 52968504
Conc: 65.81 ng/ml



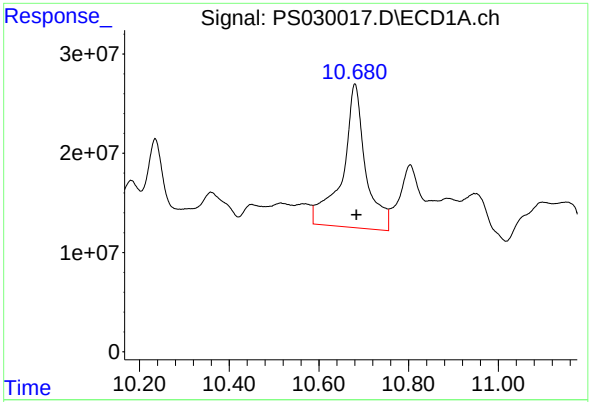
#14 DINOSEB

R.T.: 10.851 min
Delta R.T.: -0.015 min
Response: 54420857
Conc: 5.35 ng/ml



#14 DINOSEB

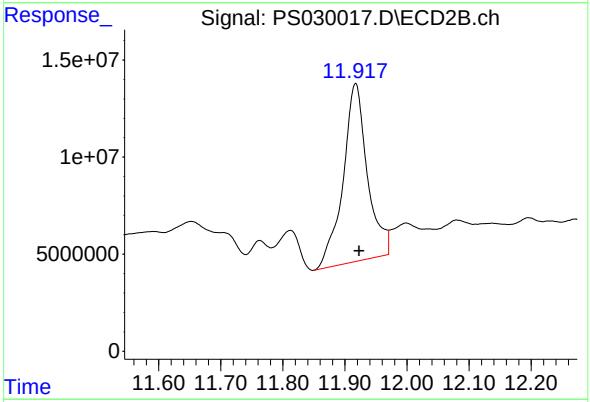
R.T.: 10.893 min
Delta R.T.: 0.012 min
Response: 5942261
Conc: 1.02 ng/ml



#15 Picloram

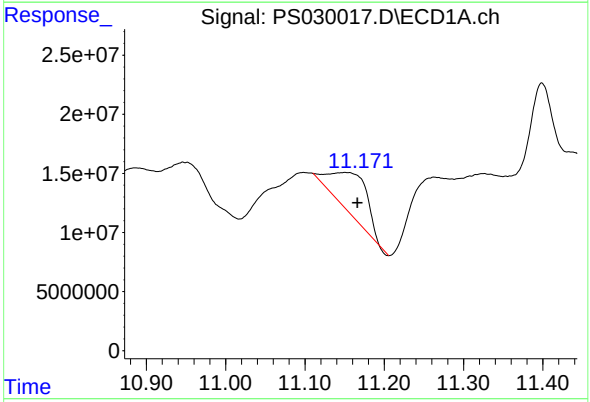
R.T.: 10.680 min
Delta R.T.: -0.003 min
Response: 520392778
Conc: 28.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-27-042325



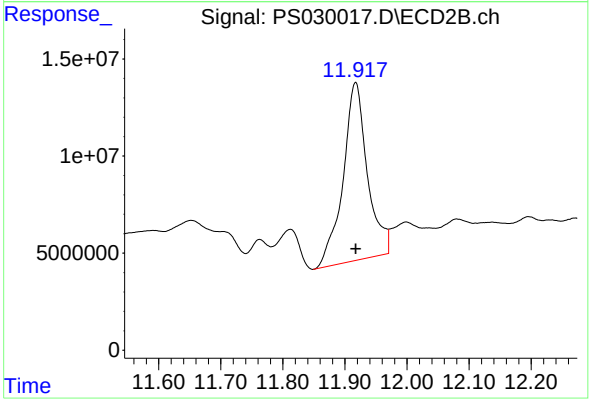
#15 Picloram

R.T.: 11.917 min
Delta R.T.: -0.006 min
Response: 249965755
Conc: 20.35 ng/ml



#16 DCPA

R.T.: 11.151 min
Delta R.T.: -0.015 min
Response: 109033727
Conc: 6.41 ng/ml



#16 DCPA

R.T.: 11.917 min
Delta R.T.: 0.000 min
Response: 249965755
Conc: 22.18 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:15
Operator : AR\AJ
Sample : Q1983-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.462	880.7E6	241.3E6	357.869	342.520	
	Target Compounds							
1) T	Dalapon	2.433	2.500	241.1E6	155.8E6	58.872	89.727	#
2) T	3,5-DICHL...	6.160	6.468	13818390	3115871	3.867	3.187	
3) T	4-Nitroph...	6.723	6.991	28819651	7553129	16.161	9.861	#
5) T	DICAMBA	7.129	7.629	3320906	8767724	<MDL	2.220	#
6) T	MCPP	7.336f	7.740	200.4E6	2585095	31.104	1.478	#
7) T	MCPA	7.446	7.968f	25321584	49645689	2.867	20.985	#
8) T	DICHLORPROP	7.801	8.361	17331087	86121013	6.839	85.781	#
9) T	2,4-D	8.031	8.652	24834517	4518274	8.829	4.009	#
10) T	Pentachlo...	8.291	9.152	79060471	22504972	2.266	1.106	#
11) T	2,4,5-TP ...	8.848	0.000	2382231	0	<MDL	N.D.	#
12) T	2,4,5-T	9.160	9.981f	81848958	84007451	5.824	10.822	#
13) T	2,4-DB	9.721	10.463f	176.4E6	90222853	77.208	112.100	#
14) T	DINOSEB	10.849	10.843f	106.9E6	158.2E6	10.508	27.132	#
15) T	Picloram	10.680	11.921	212.4E6	134.8E6	11.587	10.973	
16) T	DCPA	11.154	11.921	96251824	134.8E6	5.655	11.958	#

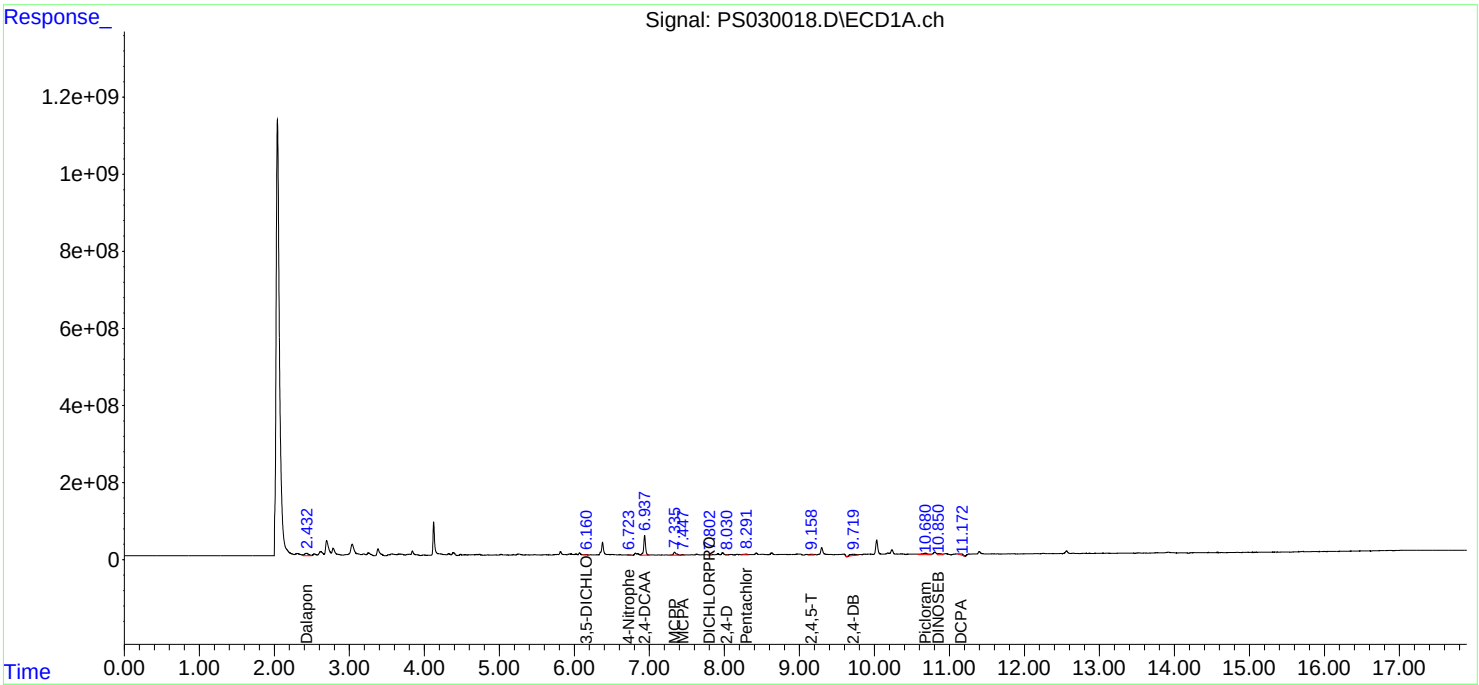
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

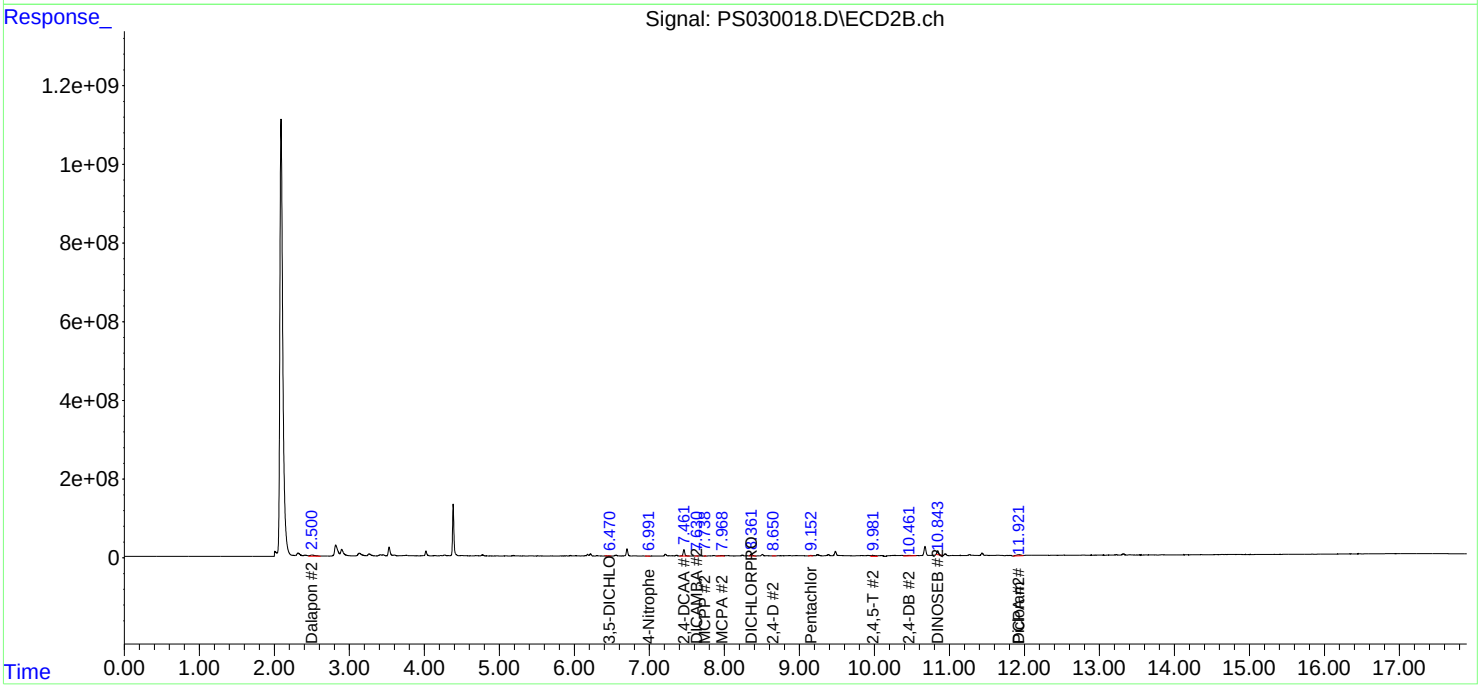
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:15
Operator : AR\AJ
Sample : Q1983-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

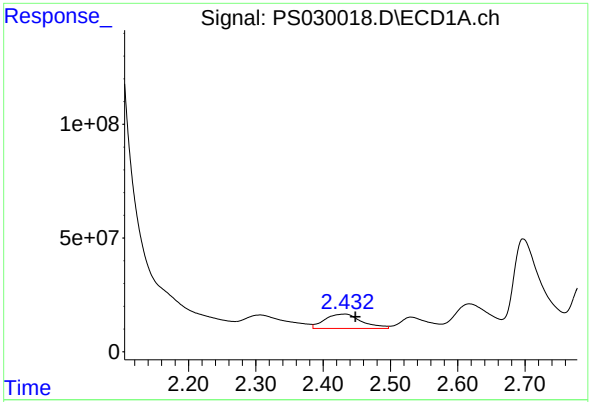
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:28:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



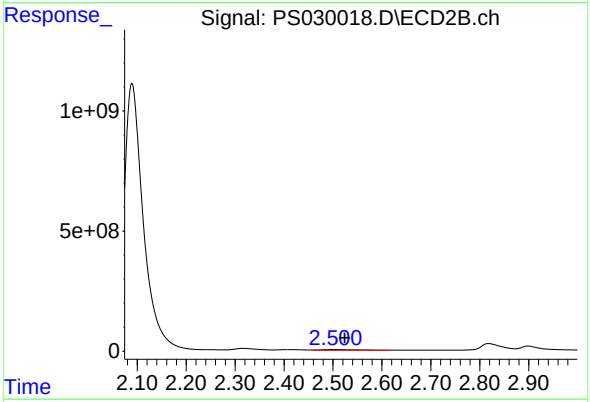




#1 Dalapon

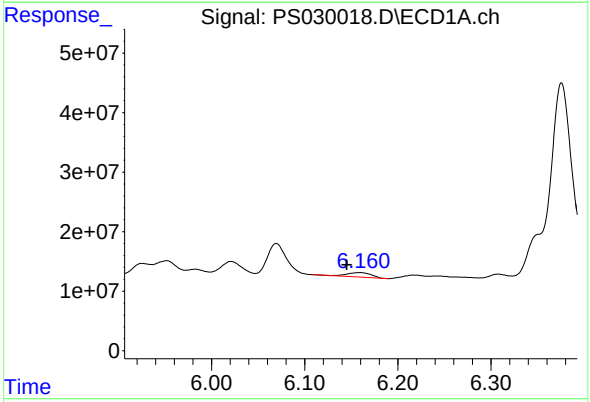
R.T.: 2.433 min
Delta R.T.: -0.015 min
Response: 241097359
Conc: 58.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325



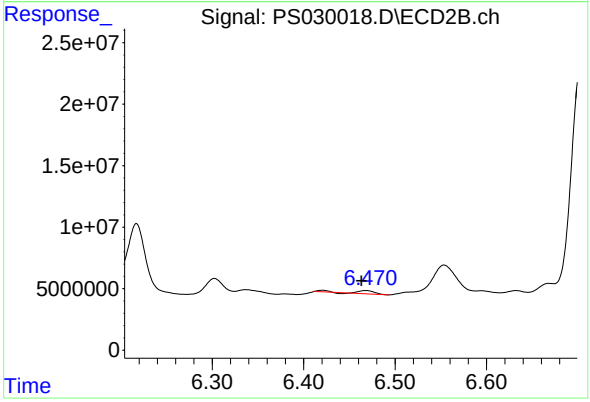
#1 Dalapon

R.T.: 2.500 min
Delta R.T.: -0.024 min
Response: 155778371
Conc: 89.73 ng/ml



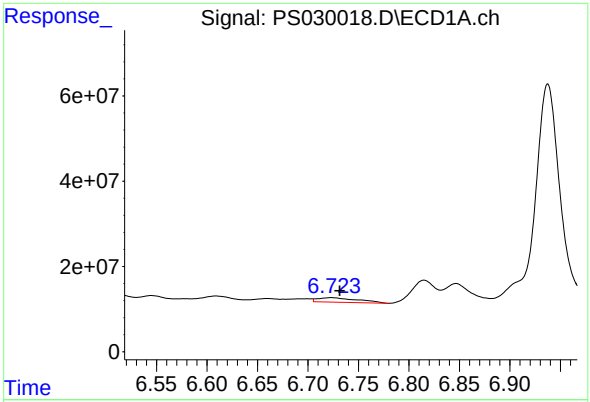
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.160 min
Delta R.T.: 0.014 min
Response: 13818390
Conc: 3.87 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

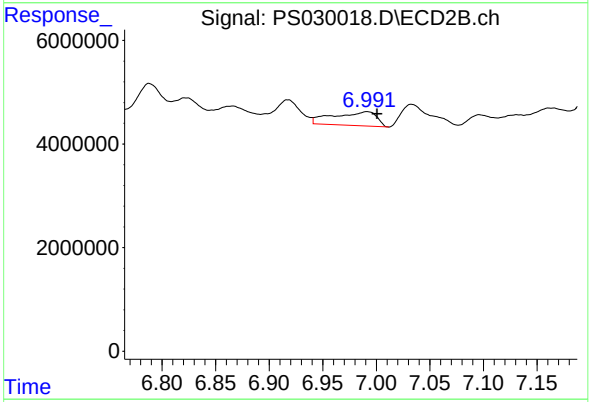
R.T.: 6.468 min
Delta R.T.: 0.005 min
Response: 3115871
Conc: 3.19 ng/ml



#3 4-Nitrophenol

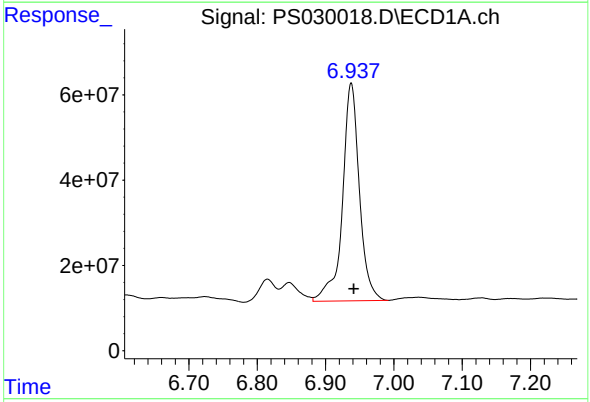
R.T.: 6.723 min
Delta R.T.: -0.008 min
Response: 28819651
Conc: 16.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325



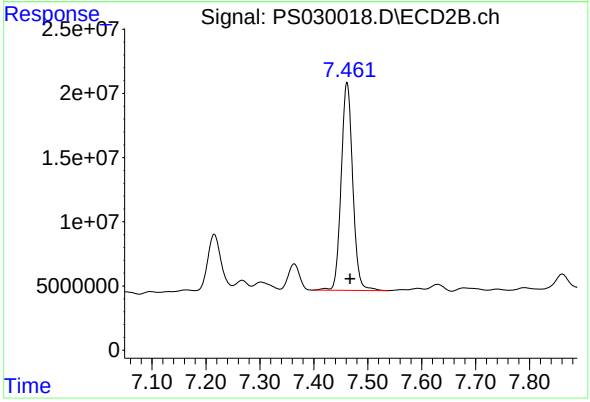
#3 4-Nitrophenol

R.T.: 6.991 min
Delta R.T.: -0.009 min
Response: 7553129
Conc: 9.86 ng/ml



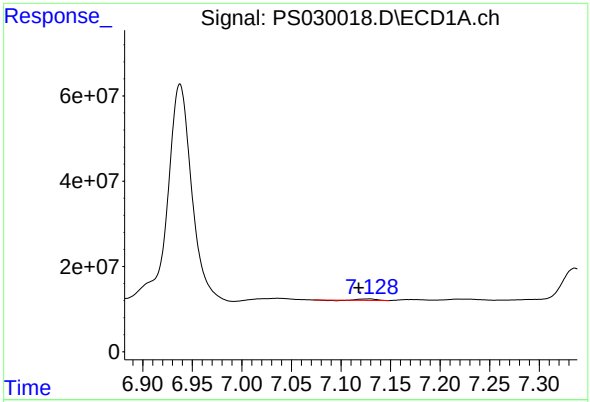
#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 880743174
Conc: 357.87 ng/ml



#4 2,4-DCAA

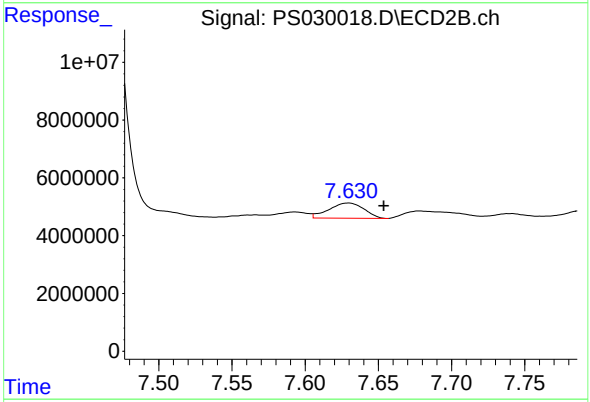
R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 241311020
Conc: 342.52 ng/ml



#5 DICAMBA

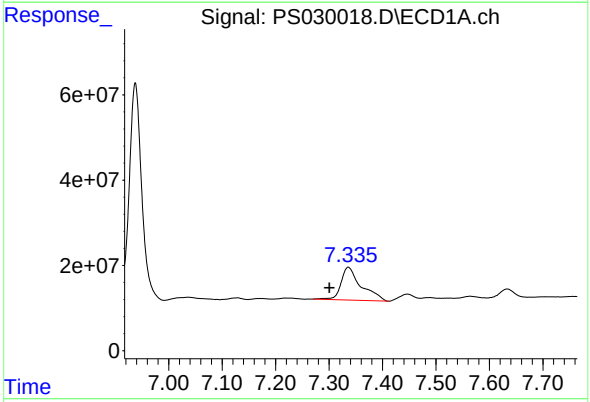
R.T.: 7.129 min
Delta R.T.: 0.011 min
Response: 3320906
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325



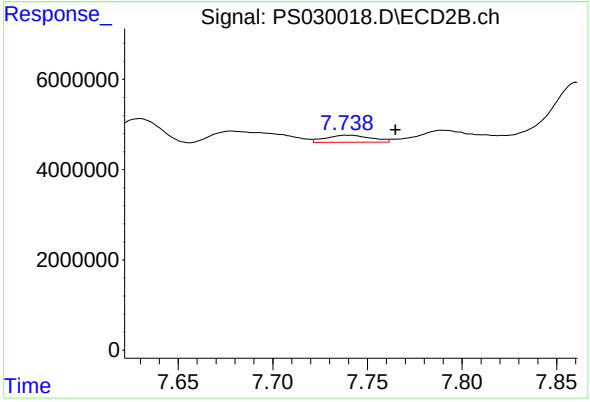
#5 DICAMBA

R.T.: 7.629 min
Delta R.T.: -0.024 min
Response: 8767724
Conc: 2.22 ng/ml



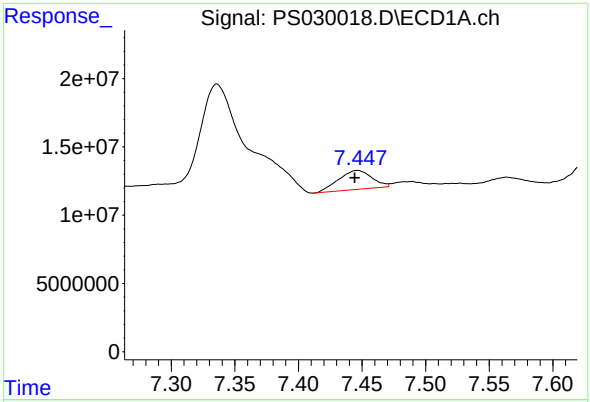
#6 MCPP

R.T.: 7.336 min
Delta R.T.: 0.036 min
Response: 200419917
Conc: 31.10 ug/ml



#6 MCPP

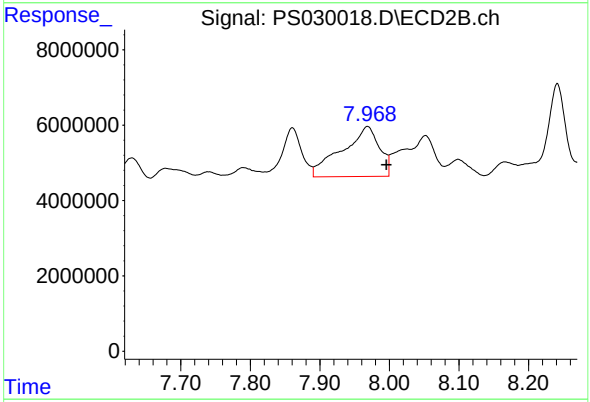
R.T.: 7.740 min
Delta R.T.: -0.025 min
Response: 2585095
Conc: 1.48 ug/ml



#7 MCPA

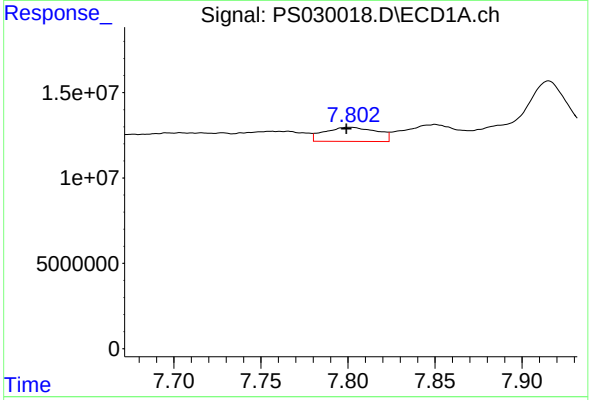
R.T.: 7.446 min
Delta R.T.: 0.002 min
Response: 25321584
Conc: 2.87 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325



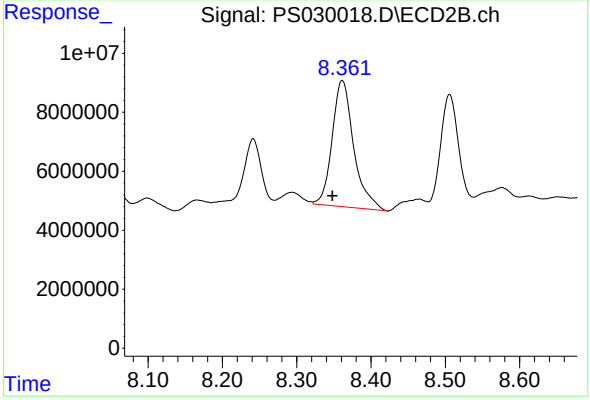
#7 MCPA

R.T.: 7.968 min
Delta R.T.: -0.027 min
Response: 49645689
Conc: 20.98 ug/ml



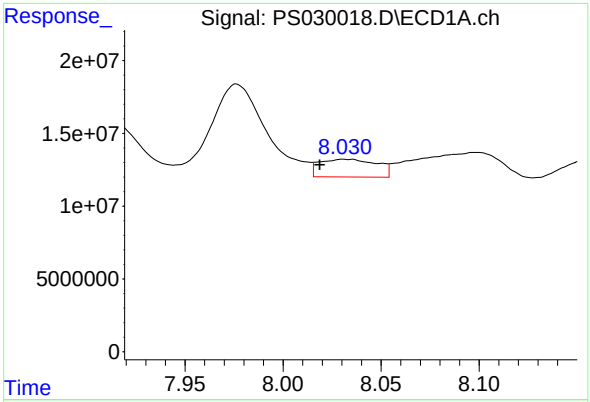
#8 DICHLORPROP

R.T.: 7.801 min
Delta R.T.: 0.002 min
Response: 17331087
Conc: 6.84 ng/ml



#8 DICHLORPROP

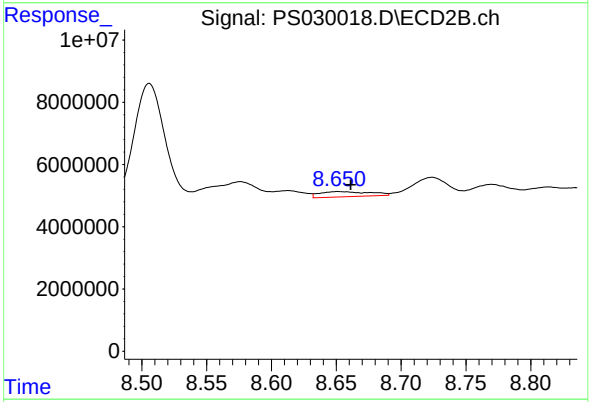
R.T.: 8.361 min
Delta R.T.: 0.013 min
Response: 86121013
Conc: 85.78 ng/ml



#9 2,4-D

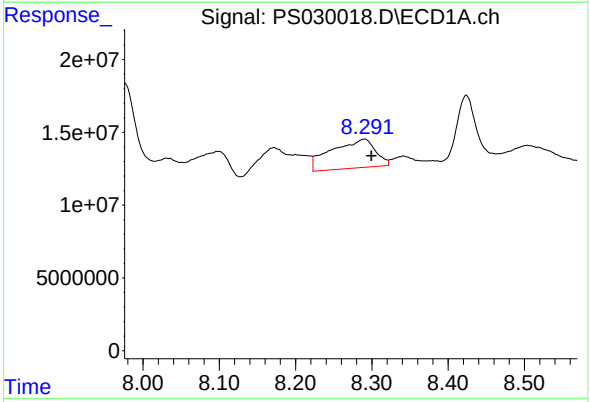
R.T.: 8.031 min
Delta R.T.: 0.012 min
Response: 24834517
Conc: 8.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325



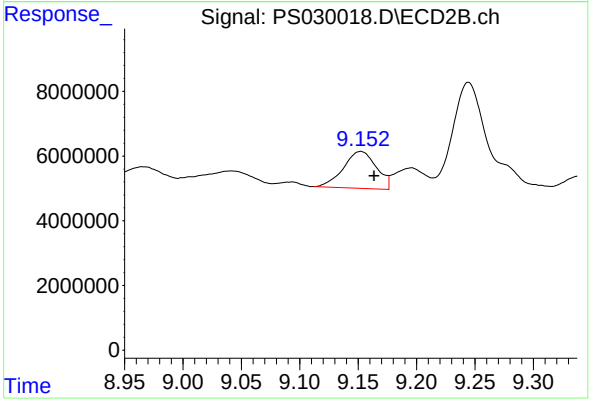
#9 2,4-D

R.T.: 8.652 min
Delta R.T.: -0.009 min
Response: 4518274
Conc: 4.01 ng/ml



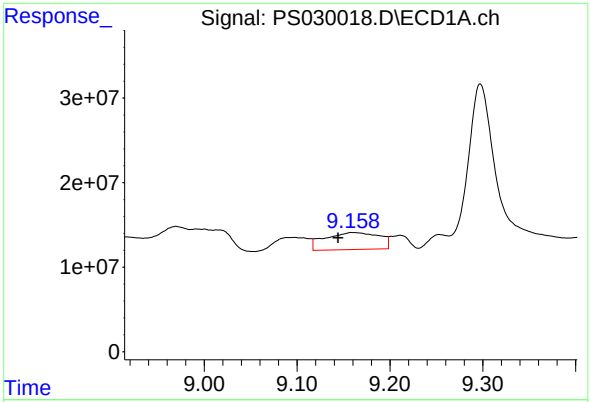
#10 Pentachlorophenol

R.T.: 8.291 min
Delta R.T.: -0.009 min
Response: 79060471
Conc: 2.27 ng/ml



#10 Pentachlorophenol

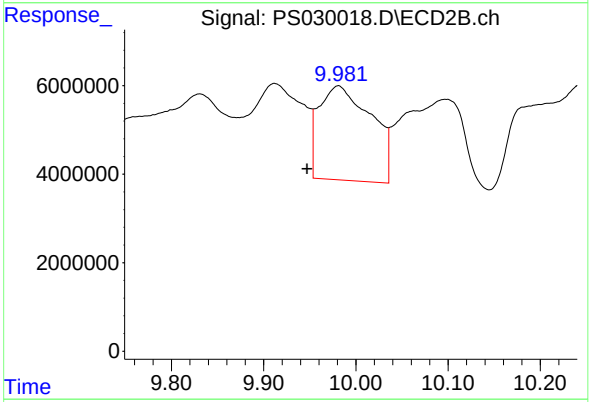
R.T.: 9.152 min
Delta R.T.: -0.011 min
Response: 22504972
Conc: 1.11 ng/ml



#12 2,4,5-T

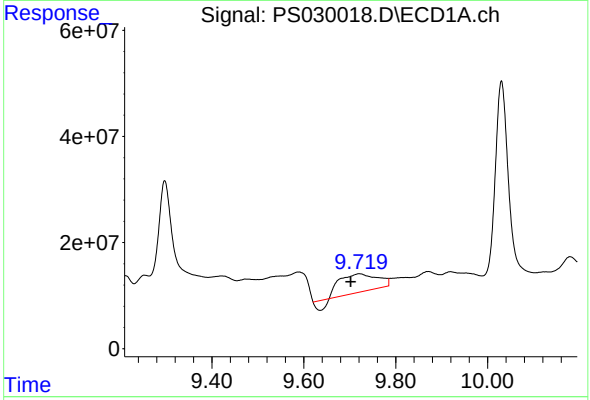
R.T.: 9.160 min
Delta R.T.: 0.016 min
Response: 81848958
Conc: 5.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325



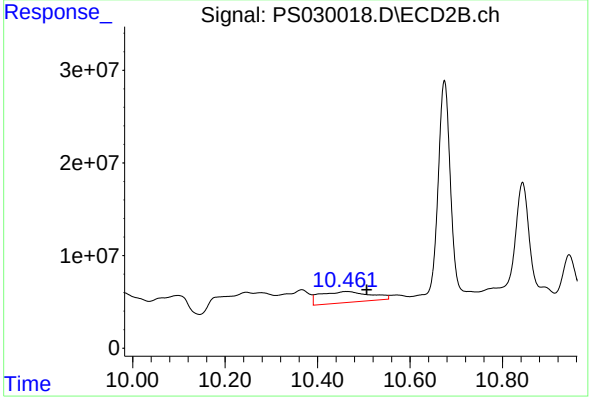
#12 2,4,5-T

R.T.: 9.981 min
Delta R.T.: 0.034 min
Response: 84007451
Conc: 10.82 ng/ml



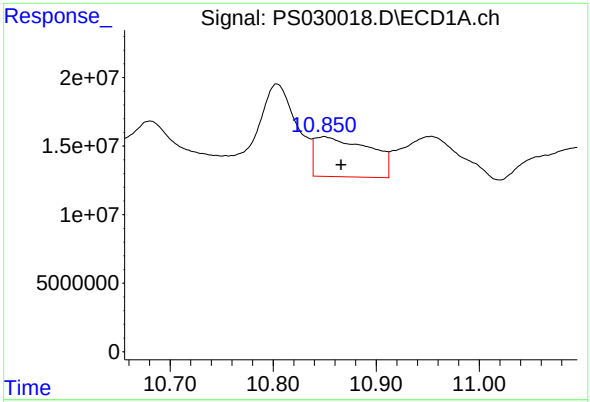
#13 2,4-DB

R.T.: 9.721 min
Delta R.T.: 0.019 min
Response: 176447167
Conc: 77.21 ng/ml



#13 2,4-DB

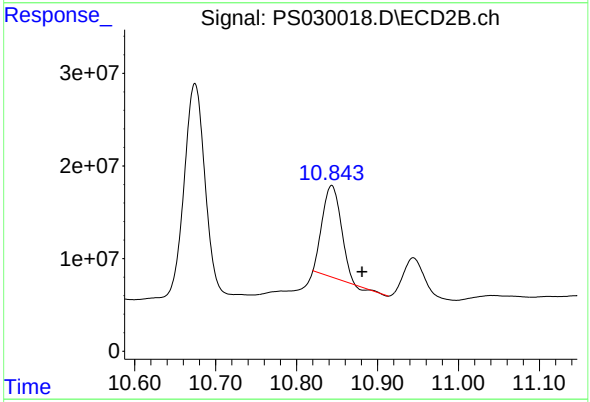
R.T.: 10.463 min
Delta R.T.: -0.044 min
Response: 90222853
Conc: 112.10 ng/ml



#14 DINOSEB

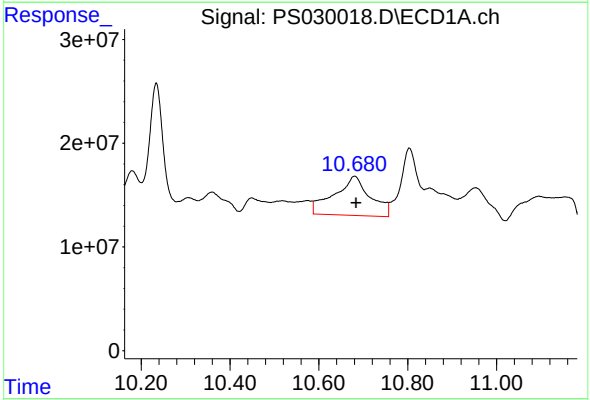
R.T.: 10.849 min
Delta R.T.: -0.017 min
Response: 106903416
Conc: 10.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325



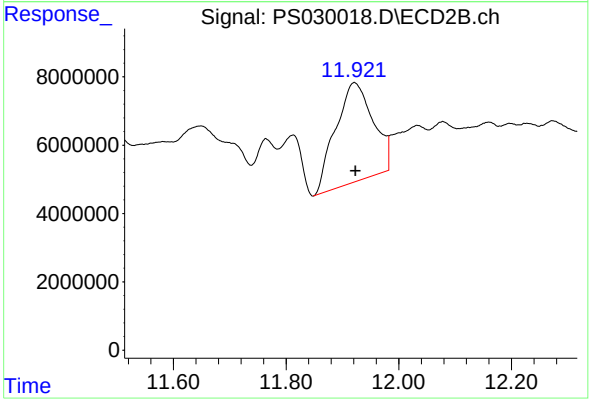
#14 DINOSEB

R.T.: 10.843 min
Delta R.T.: -0.038 min
Response: 158207178
Conc: 27.13 ng/ml



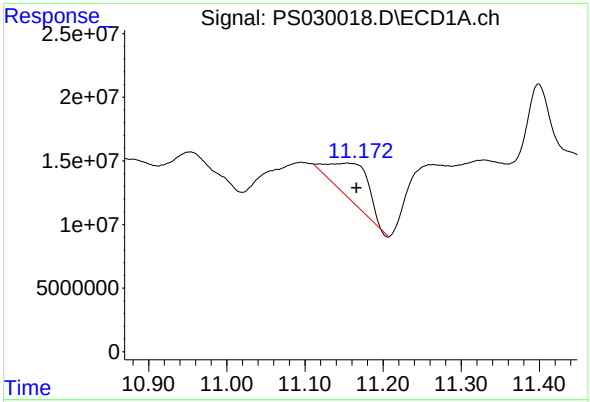
#15 Picloram

R.T.: 10.680 min
Delta R.T.: -0.003 min
Response: 212391053
Conc: 11.59 ng/ml



#15 Picloram

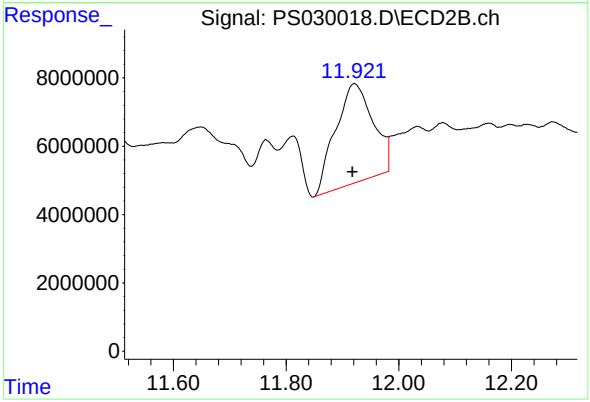
R.T.: 11.921 min
Delta R.T.: -0.002 min
Response: 134786278
Conc: 10.97 ng/ml



#16 DCPA

R.T.: 11.154 min
Delta R.T.: -0.012 min
Response: 96251824
Conc: 5.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-28-042325



#16 DCPA

R.T.: 11.921 min
Delta R.T.: 0.004 min
Response: 134786278
Conc: 11.96 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:04
Operator : AR\AJ
Sample : Q1983-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.461	939.5E6	250.4E6	381.738	355.382	
	Target Compounds							
1) T	Dalapon	2.434	2.499	276.1E6	159.5E6	67.415	91.861	#
2) T	3,5-DICHL...	6.162	6.468	7741288	11003325	2.166	11.256	#
3) T	4-Nitroph...	6.723	6.982	46188406	19777464	25.900	25.822	
5) T	DICAMBA	7.131	7.627f	44301703	17622450	4.474	4.461	
6) T	MCPP	7.336f	7.741	166.5E6	3687325	25.837	2.108	#
7) T	MCPA	7.445	8.022f	9843728	34989917	1.115	14.790	#
8) T	DICHLORPROP	7.795	8.361	65892516	98492487	26.002	98.104	#
9) T	2,4-D	8.021	0.000	34475421	0	12.256	N.D.	#
10) T	Pentachlo...	8.267f	9.150	101.5E6	16183448	2.910	<MDL	#
11) T	2,4,5-TP ...	8.883	9.550	-475133	53425910	N.D.	6.530	
12) T	2,4,5-T	9.175f	9.981f	95586070	81923977	6.802	10.554	#
13) T	2,4-DB	9.718	10.469f	240.3E6	50036189	105.136	62.169	#
14) T	DINOSEB	10.885	10.893	134.3E6	3605831	13.203	<MDL	#
15) T	Picloram	10.682	11.928	130.7E6	111.3E6	7.132	9.065	#
16) T	DCPA	11.157	11.928	87839378	111.3E6	5.161	9.878	#

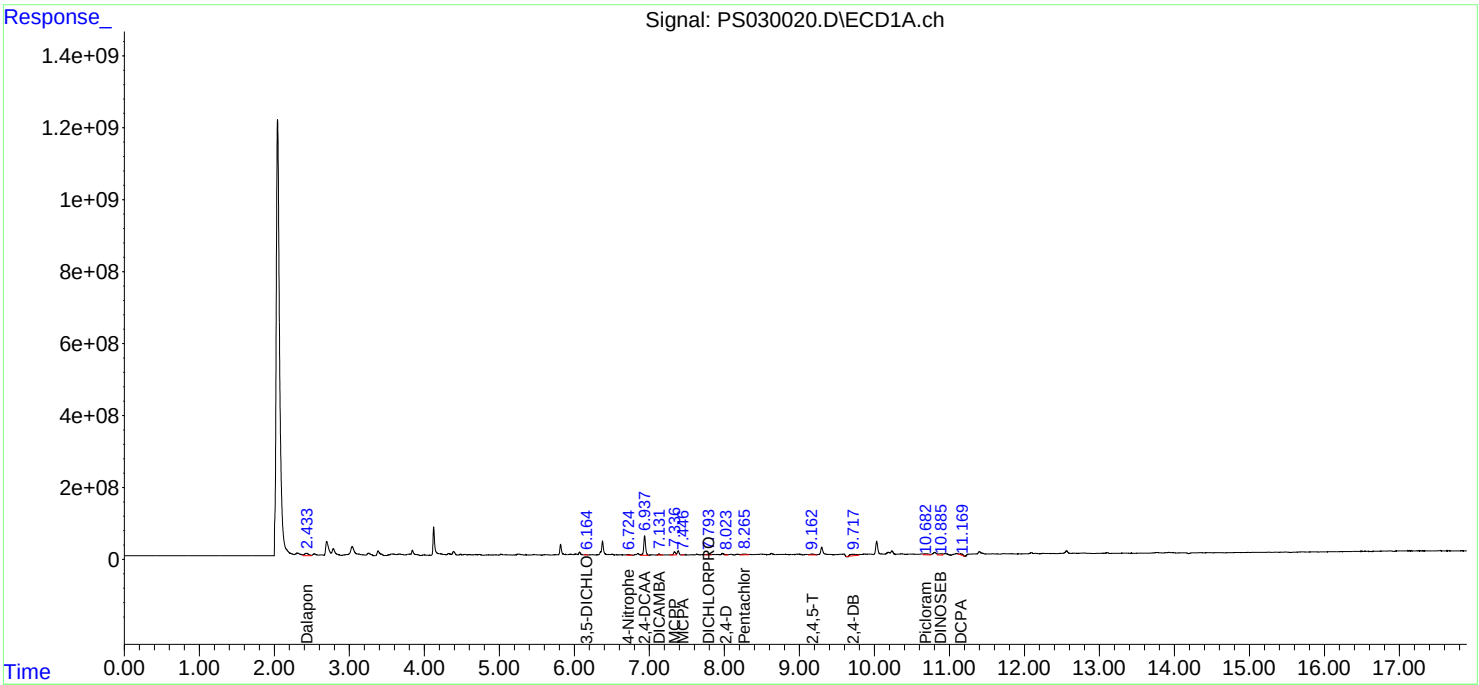
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

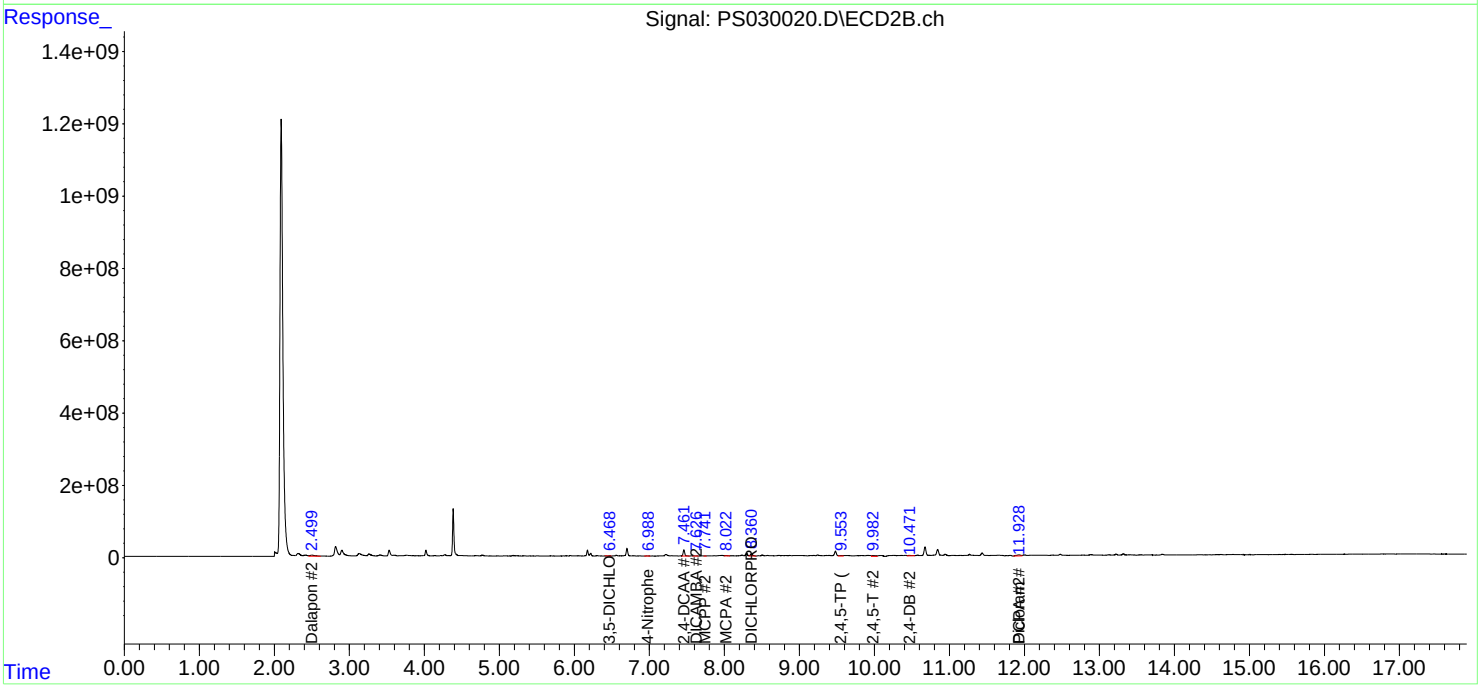
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:04
Operator : AR\AJ
Sample : Q1983-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

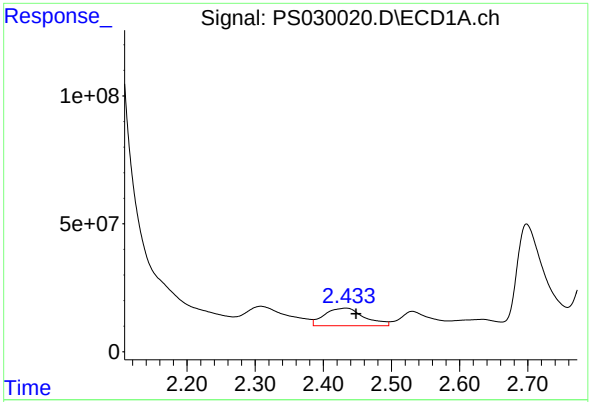
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



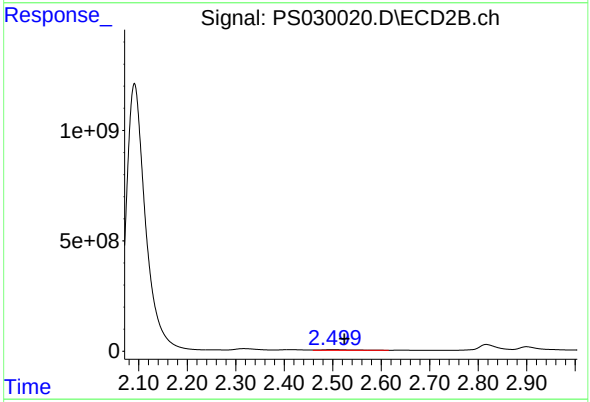




#1 Dalapon

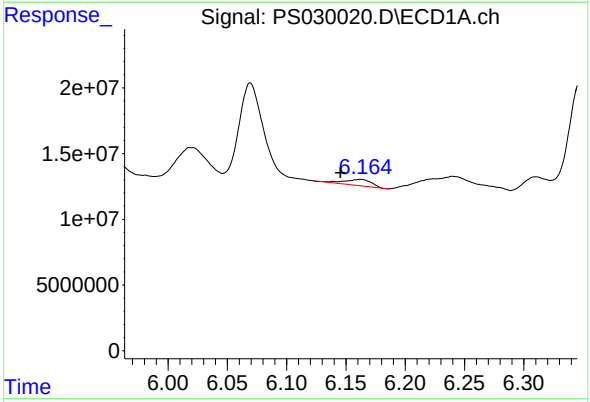
R.T.: 2.434 min
Delta R.T.: -0.014 min
Response: 276080173
Conc: 67.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325



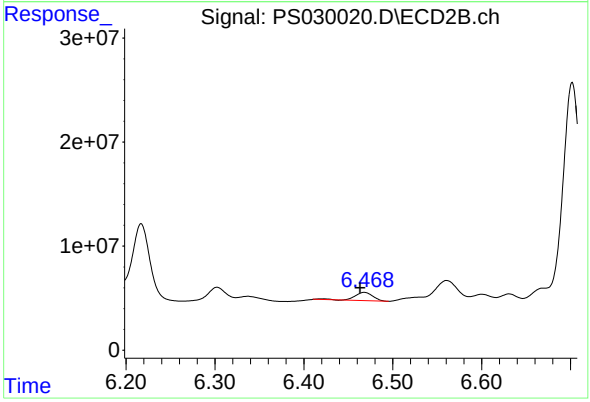
#1 Dalapon

R.T.: 2.499 min
Delta R.T.: -0.025 min
Response: 159484228
Conc: 91.86 ng/ml



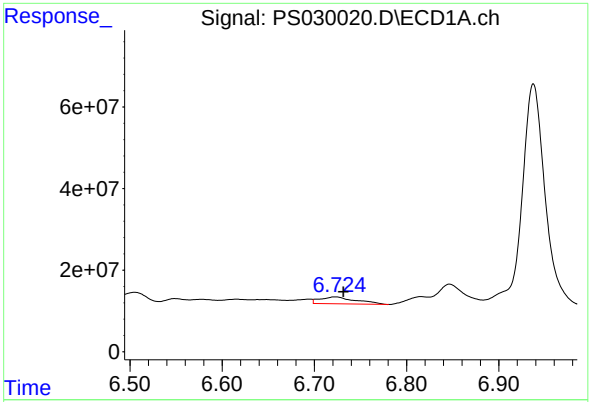
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.162 min
Delta R.T.: 0.017 min
Response: 7741288
Conc: 2.17 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

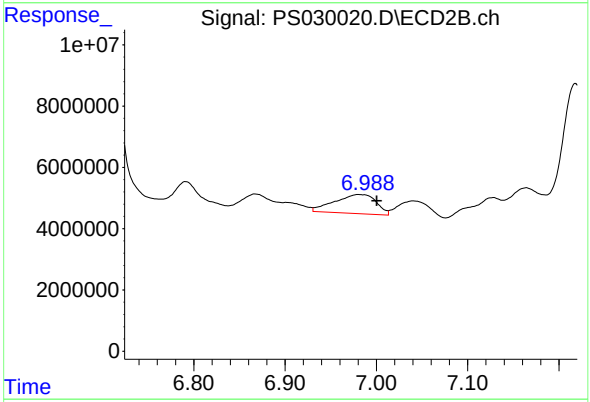
R.T.: 6.468 min
Delta R.T.: 0.005 min
Response: 11003325
Conc: 11.26 ng/ml



#3 4-Nitrophenol

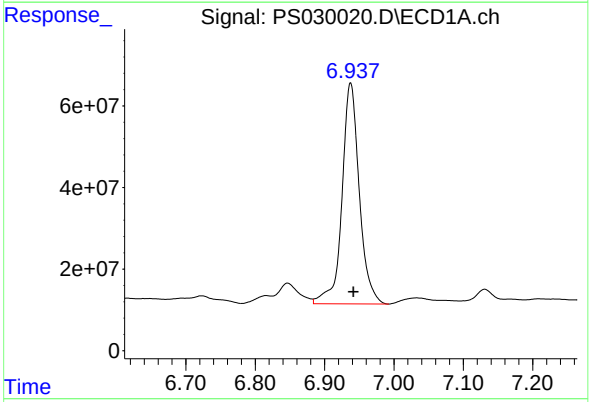
R.T.: 6.723 min
Delta R.T.: -0.009 min
Response: 46188406
Conc: 25.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325



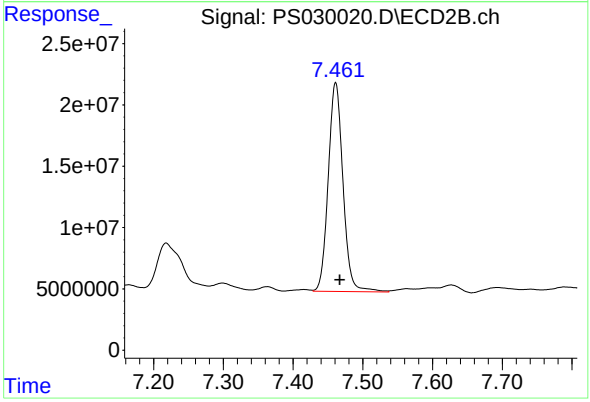
#3 4-Nitrophenol

R.T.: 6.982 min
Delta R.T.: -0.019 min
Response: 19777464
Conc: 25.82 ng/ml



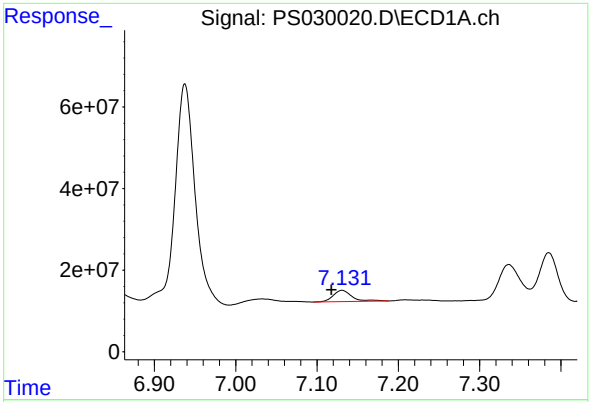
#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 939487720
Conc: 381.74 ng/ml



#4 2,4-DCAA

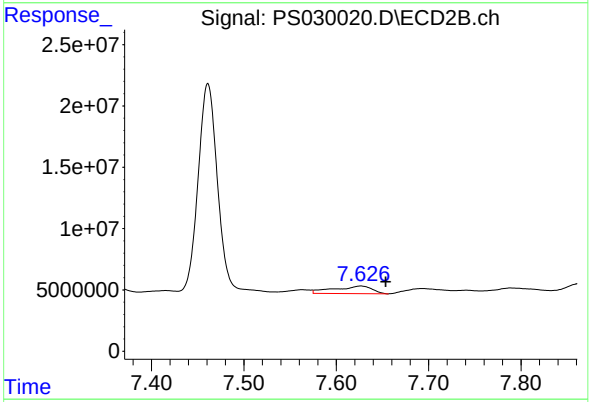
R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 250372814
Conc: 355.38 ng/ml



#5 DICAMBA

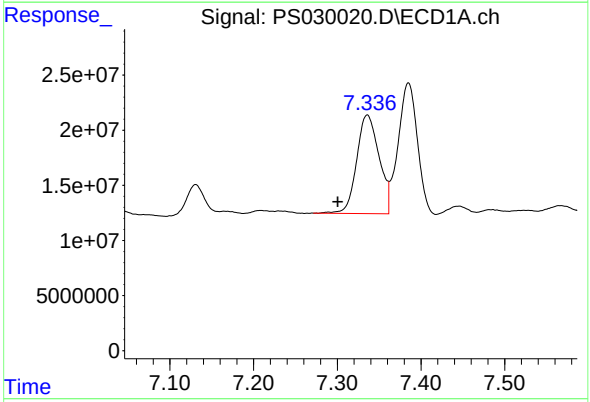
R.T.: 7.131 min
Delta R.T.: 0.013 min
Response: 44301703
Conc: 4.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325



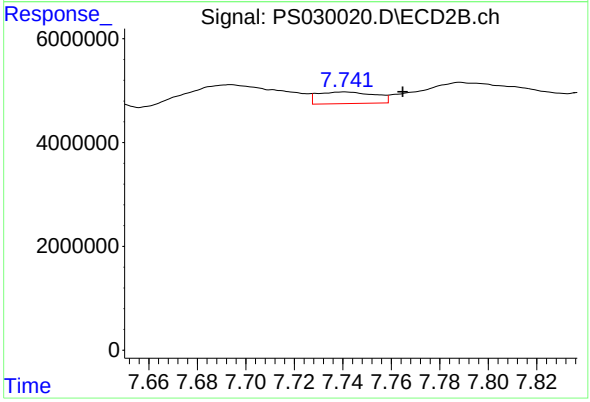
#5 DICAMBA

R.T.: 7.627 min
Delta R.T.: -0.027 min
Response: 17622450
Conc: 4.46 ng/ml



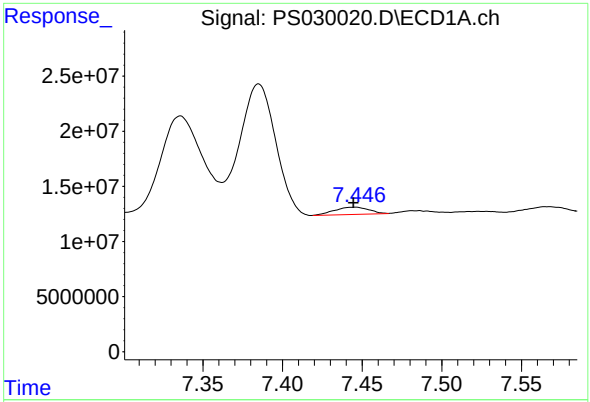
#6 MCPP

R.T.: 7.336 min
Delta R.T.: 0.036 min
Response: 166483955
Conc: 25.84 ug/ml



#6 MCPP

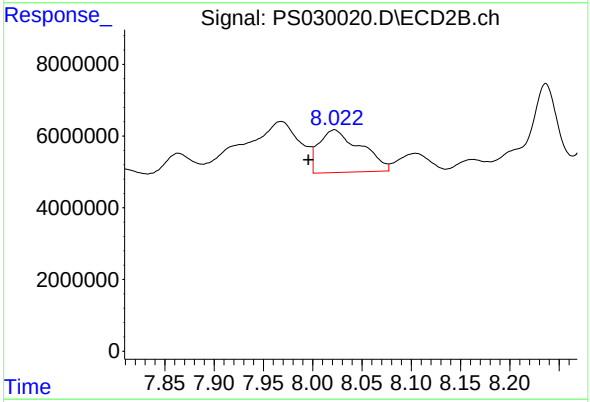
R.T.: 7.741 min
Delta R.T.: -0.024 min
Response: 3687325
Conc: 2.11 ug/ml



#7 MCPA

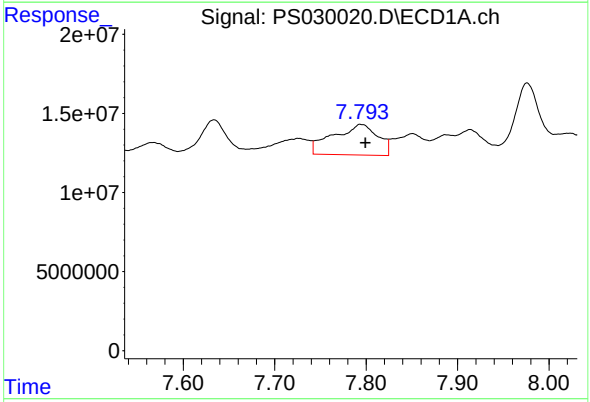
R.T.: 7.445 min
Delta R.T.: 0.000 min
Response: 9843728
Conc: 1.11 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325



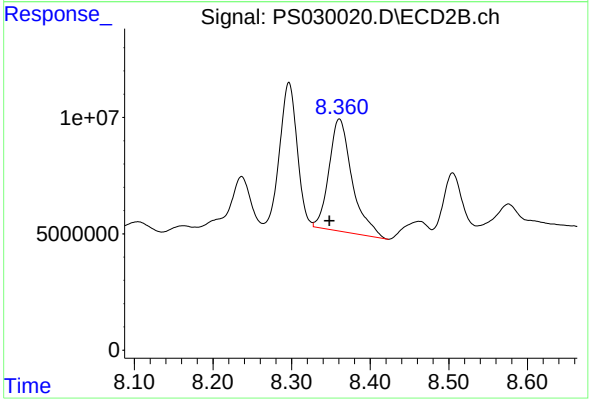
#7 MCPA

R.T.: 8.022 min
Delta R.T.: 0.026 min
Response: 34989917
Conc: 14.79 ug/ml



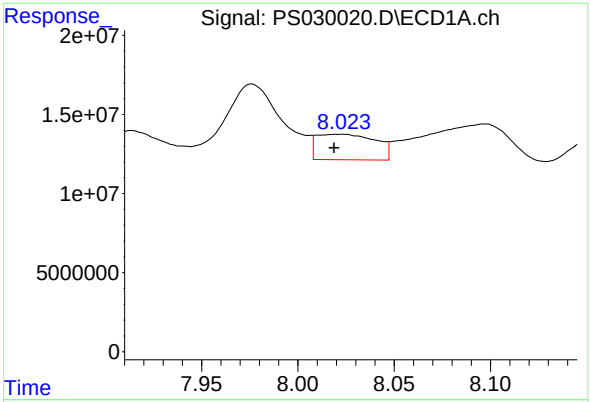
#8 DICHLORPROP

R.T.: 7.795 min
Delta R.T.: -0.004 min
Response: 65892516
Conc: 26.00 ng/ml



#8 DICHLORPROP

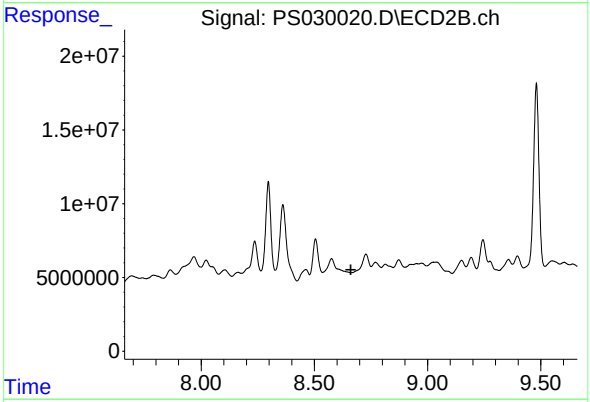
R.T.: 8.361 min
Delta R.T.: 0.013 min
Response: 98492487
Conc: 98.10 ng/ml



#9 2,4-D

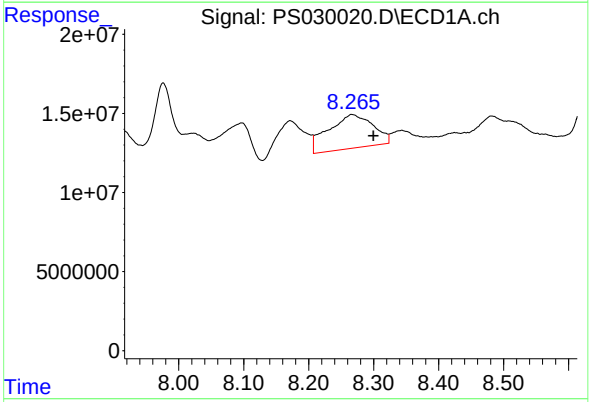
R.T.: 8.021 min
Delta R.T.: 0.003 min
Response: 34475421
Conc: 12.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325



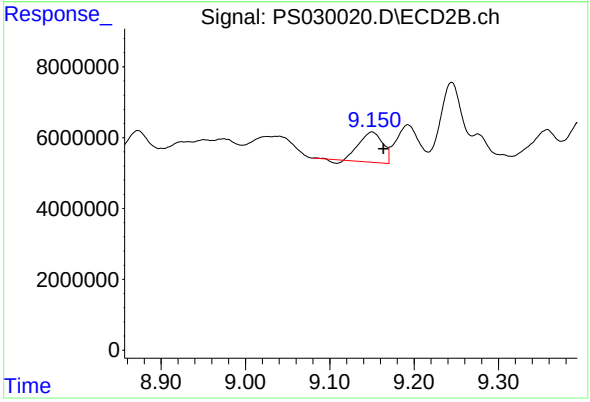
#9 2,4-D

R.T.: 0.000 min
Exp R.T. : 8.661 min
Response: 0
Conc: N.D.



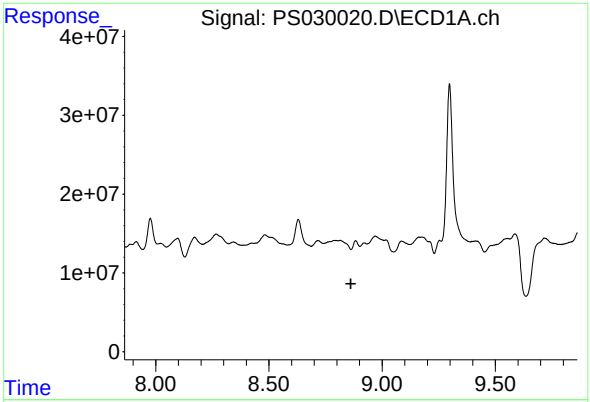
#10 Pentachlorophenol

R.T.: 8.267 min
Delta R.T.: -0.032 min
Response: 101518737
Conc: 2.91 ng/ml



#10 Pentachlorophenol

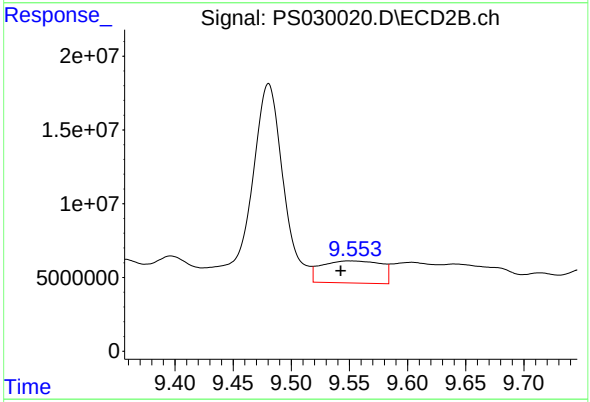
R.T.: 9.150 min
Delta R.T.: -0.014 min
Response: 16183448
Conc: N.D.



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

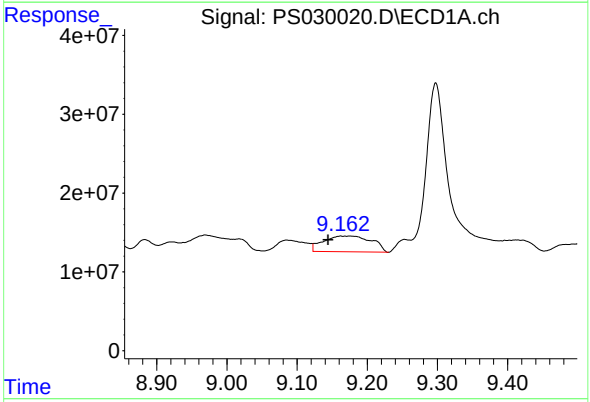
R.T.: 8.883 min
Delta R.T.: 0.021 min
Response: -475133
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325



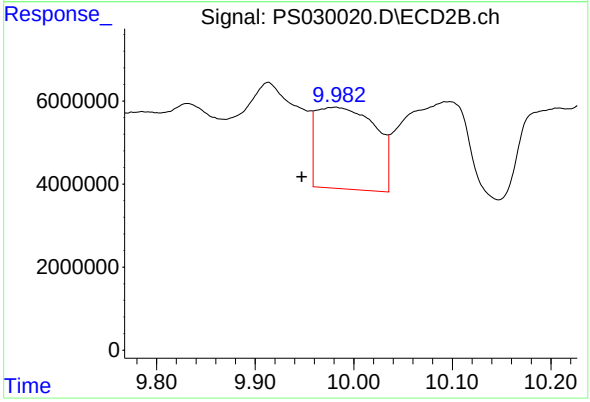
#11 2,4,5-TP (SILVEX)

R.T.: 9.550 min
Delta R.T.: 0.008 min
Response: 53425910
Conc: 6.53 ng/ml



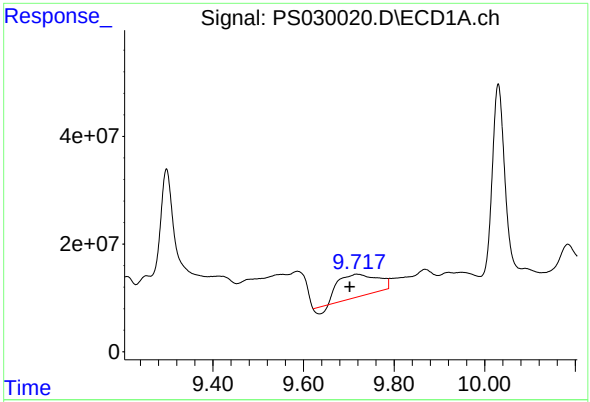
#12 2,4,5-T

R.T.: 9.175 min
Delta R.T.: 0.031 min
Response: 95586070
Conc: 6.80 ng/ml



#12 2,4,5-T

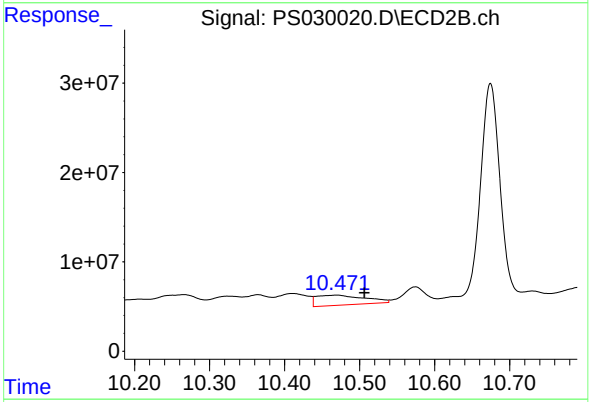
R.T.: 9.981 min
Delta R.T.: 0.033 min
Response: 81923977
Conc: 10.55 ng/ml



#13 2,4-DB

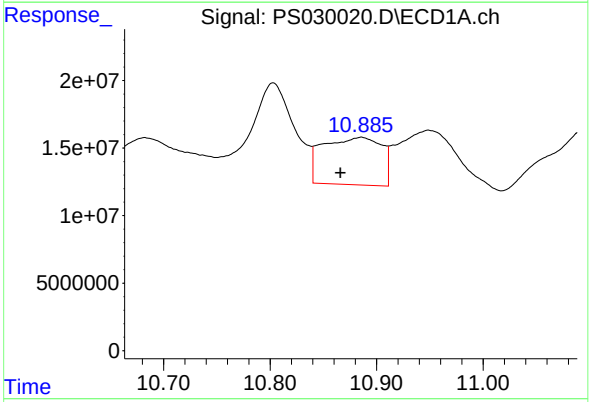
R.T.: 9.718 min
Delta R.T.: 0.016 min
Response: 240273509
Conc: 105.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325



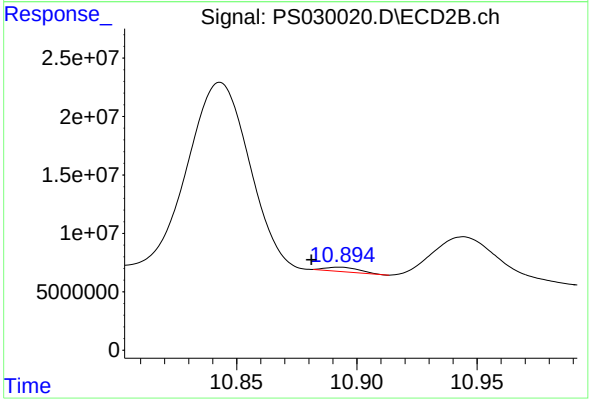
#13 2,4-DB

R.T.: 10.469 min
Delta R.T.: -0.037 min
Response: 50036189
Conc: 62.17 ng/ml



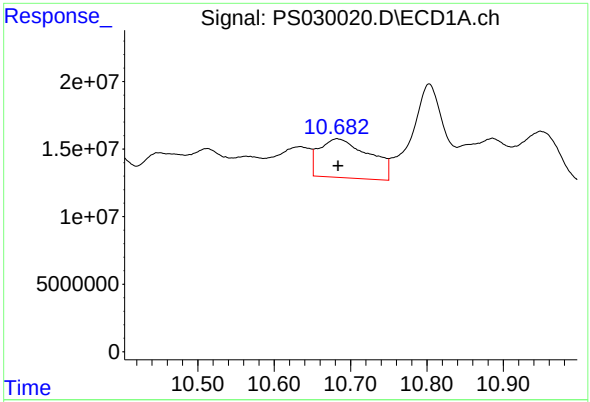
#14 DINOSEB

R.T.: 10.885 min
Delta R.T.: 0.019 min
Response: 134322664
Conc: 13.20 ng/ml



#14 DINOSEB

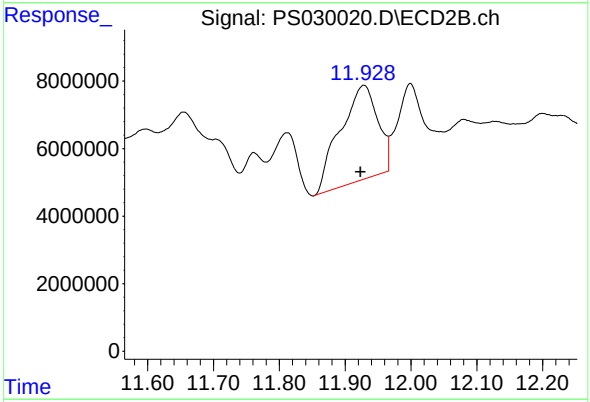
R.T.: 10.893 min
Delta R.T.: 0.011 min
Response: 3605831
Conc: N.D.



#15 Picloram

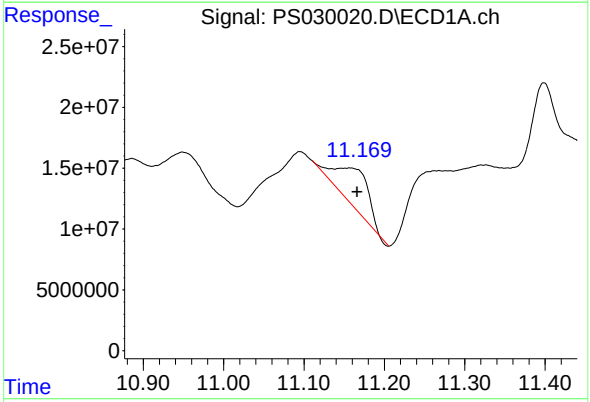
R.T.: 10.682 min
Delta R.T.: -0.001 min
Response: 130727697
Conc: 7.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-30-042325



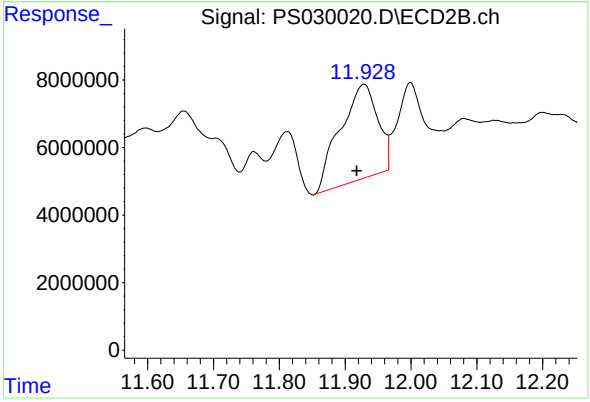
#15 Picloram

R.T.: 11.928 min
Delta R.T.: 0.005 min
Response: 111346825
Conc: 9.06 ng/ml



#16 DCPA

R.T.: 11.157 min
Delta R.T.: -0.009 min
Response: 87839378
Conc: 5.16 ng/ml



#16 DCPA

R.T.: 11.928 min
Delta R.T.: 0.011 min
Response: 111346825
Conc: 9.88 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:28
Operator : AR\AJ
Sample : Q1983-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.461	983.0E6	267.8E6	399.422	380.058	
	Target Compounds							
1) T	Dalapon	2.434	2.499f	228.3E6	132.5E6	55.738	76.341	#
2) T	3,5-DICHL...	6.162	6.468	6228037	10179898	1.743	10.413	#
3) T	4-Nitroph...	6.722	6.981	54657362	15030114	30.649	19.624	#
5) T	DICAMBA	7.131	7.627f	28640387	18138562	2.892	4.592	#
6) T	MCPP	7.278	7.739f	227934	2001920	<MDL	1.145	#
7) T	MCPA	7.445	8.022f	14260114	23597897	1.615	9.975	#
8) T	DICHLORPROP	7.798	8.361	47603925	91068506	18.785	90.709	#
9) T	2,4-D	7.977f	8.613f	215.4E6	7327934	76.559	6.502	#
10) T	Pentachlo...	8.288	9.151	102.6E6	18715528	2.940	<MDL	#
11) T	2,4,5-TP ...	8.885	9.556	5649395	57866025	<MDL	7.073	#
12) T	2,4,5-T	9.164	9.982f	100.8E6	81225598	7.176	10.464	#
13) T	2,4-DB	9.721	10.523	235.2E6	10154346	102.915	12.617	#
14) T	DINOSEB	10.855	10.844f	42002587	149.1E6	4.129	25.575	#
15) T	Picloram	10.690	11.930	126.0E6	109.7E6	6.876	8.929	#
16) T	DCPA	11.156	11.930	81394330	109.7E6	4.782	9.731	#

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

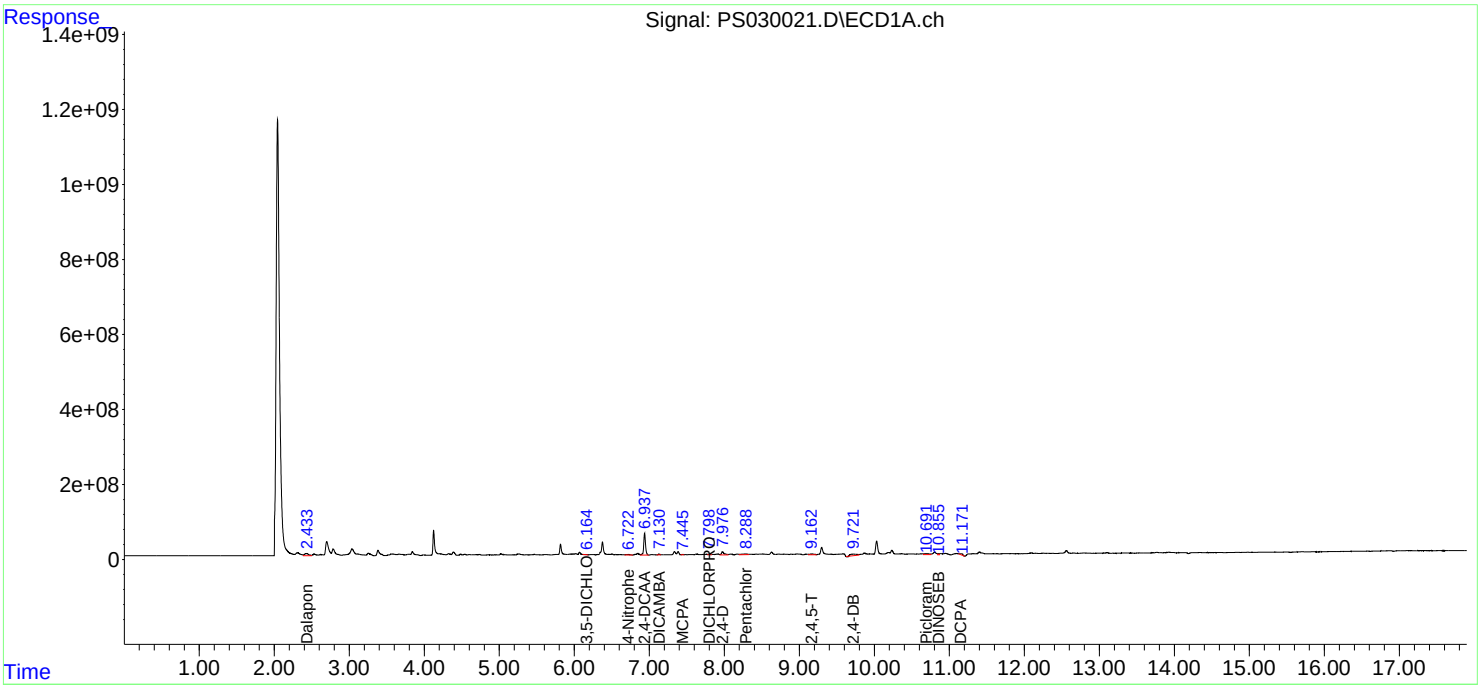
Quantitation Report (Not Reviewed)

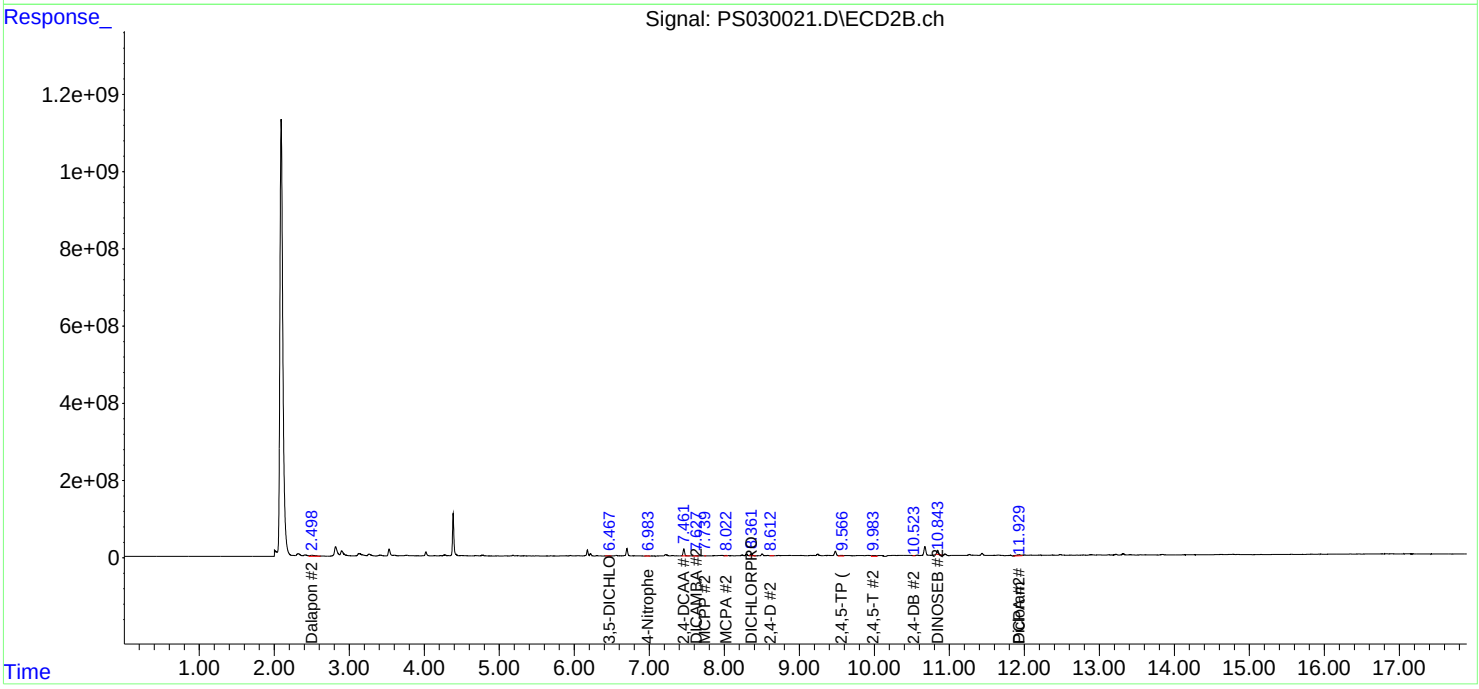
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:28
Operator : AR\AJ
Sample : Q1983-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

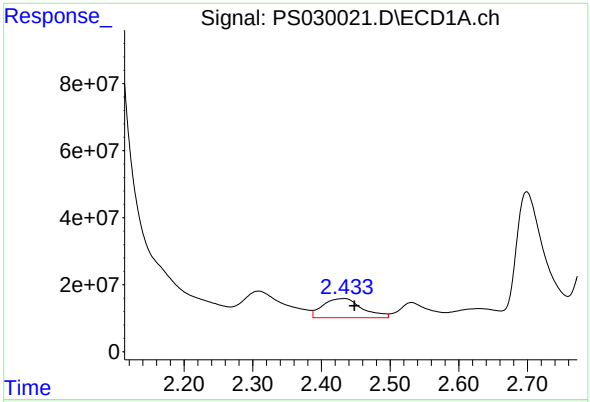
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



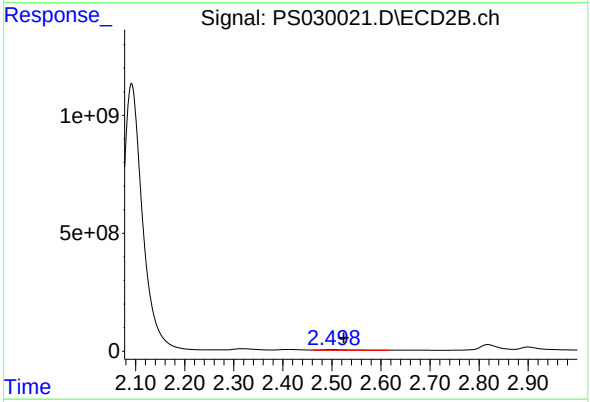




#1 Dalapon

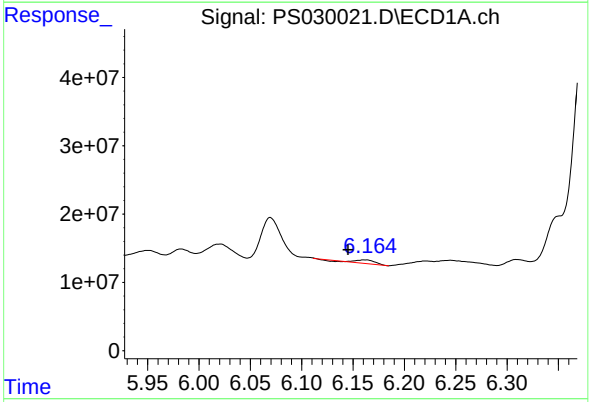
R.T.: 2.434 min
Delta R.T.: -0.014 min
Response: 228262990
Conc: 55.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325



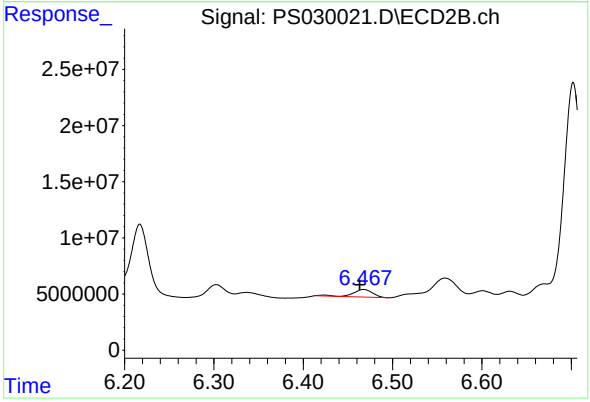
#1 Dalapon

R.T.: 2.499 min
Delta R.T.: -0.025 min
Response: 132539566
Conc: 76.34 ng/ml



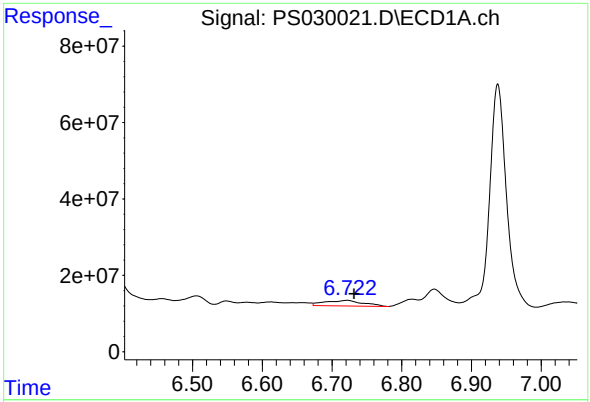
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.162 min
Delta R.T.: 0.017 min
Response: 6228037
Conc: 1.74 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

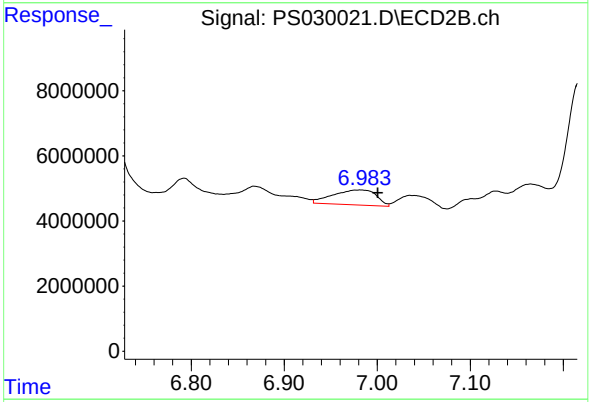
R.T.: 6.468 min
Delta R.T.: 0.005 min
Response: 10179898
Conc: 10.41 ng/ml



#3 4-Nitrophenol

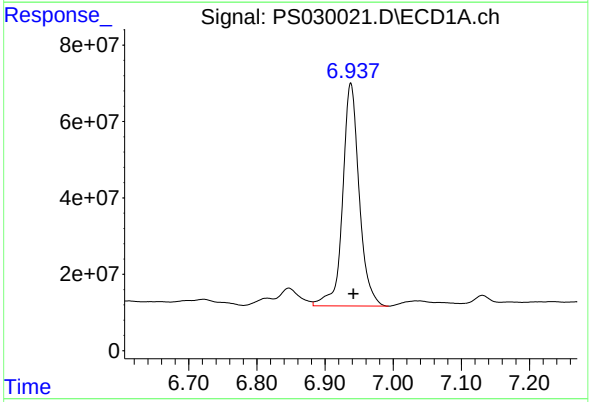
R.T.: 6.722 min
Delta R.T.: -0.010 min
Response: 54657362
Conc: 30.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325



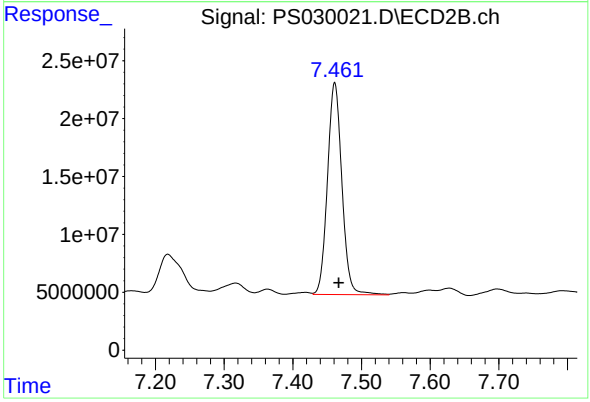
#3 4-Nitrophenol

R.T.: 6.981 min
Delta R.T.: -0.019 min
Response: 15030114
Conc: 19.62 ng/ml



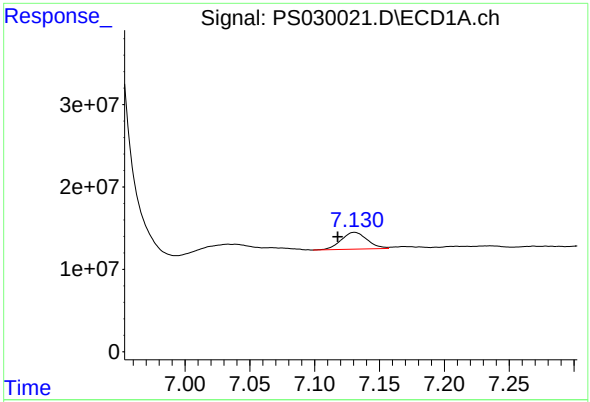
#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 983009744
Conc: 399.42 ng/ml



#4 2,4-DCAA

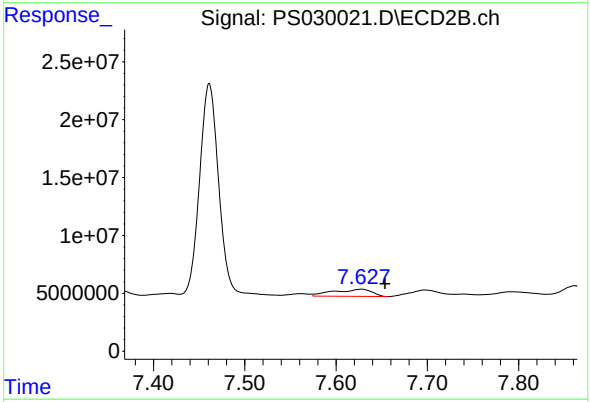
R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 267757330
Conc: 380.06 ng/ml



#5 DICAMBA

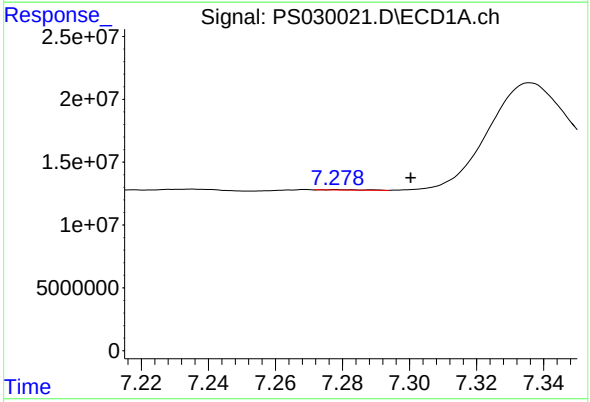
R.T.: 7.131 min
Delta R.T.: 0.013 min
Response: 28640387
Conc: 2.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325



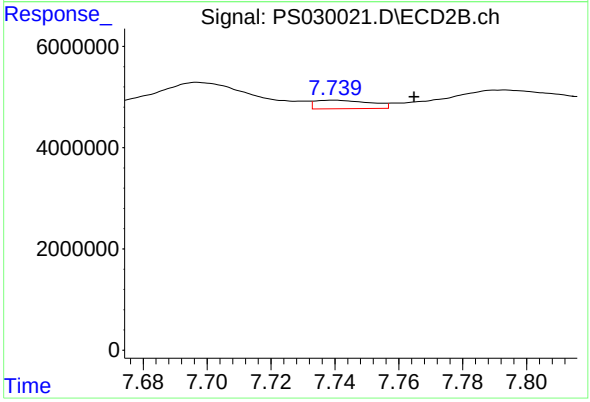
#5 DICAMBA

R.T.: 7.627 min
Delta R.T.: -0.026 min
Response: 18138562
Conc: 4.59 ng/ml



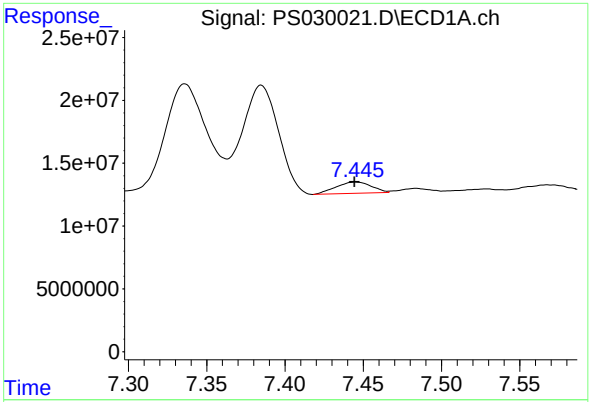
#6 MCPP

R.T.: 7.278 min
Delta R.T.: -0.022 min
Response: 227934
Conc: N.D.



#6 MCPP

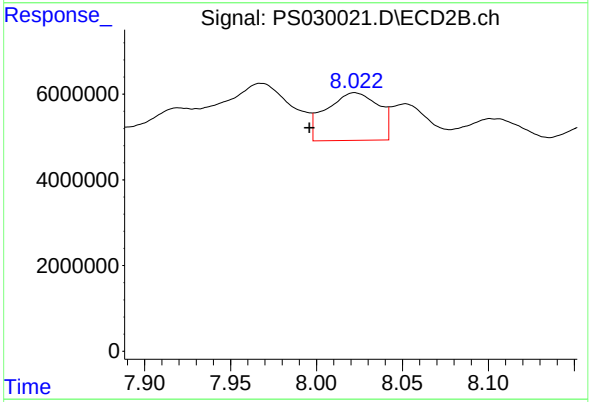
R.T.: 7.739 min
Delta R.T.: -0.025 min
Response: 2001920
Conc: 1.14 ug/ml



#7 MCPA

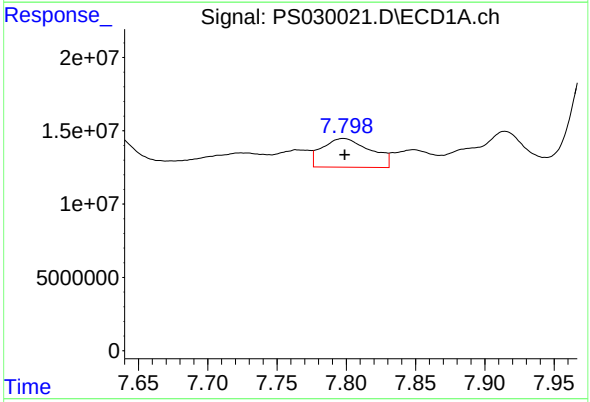
R.T.: 7.445 min
Delta R.T.: 0.000 min
Response: 14260114
Conc: 1.61 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325



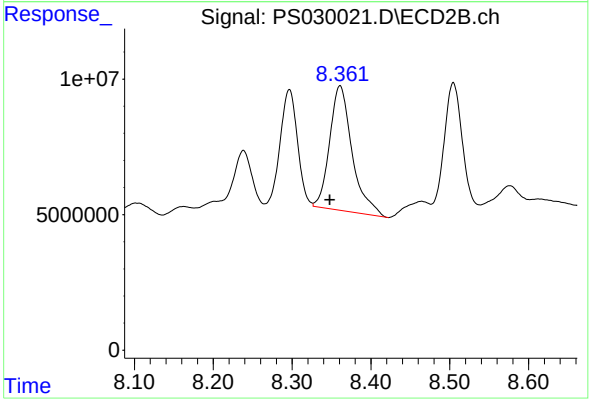
#7 MCPA

R.T.: 8.022 min
Delta R.T.: 0.027 min
Response: 23597897
Conc: 9.97 ug/ml



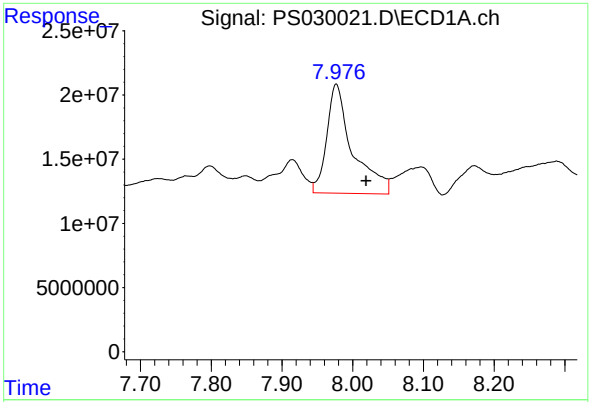
#8 DICHLORPROP

R.T.: 7.798 min
Delta R.T.: 0.000 min
Response: 47603925
Conc: 18.79 ng/ml



#8 DICHLORPROP

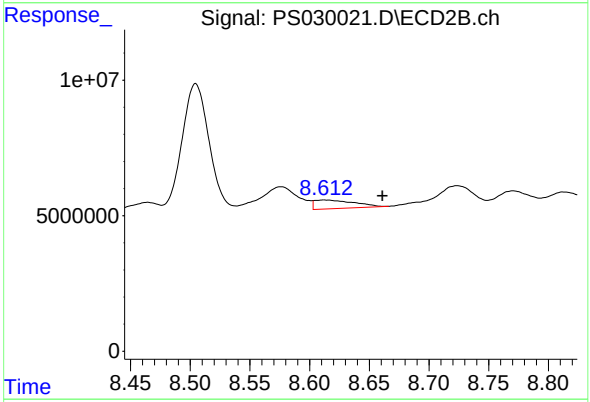
R.T.: 8.361 min
Delta R.T.: 0.013 min
Response: 91068506
Conc: 90.71 ng/ml



#9 2,4-D

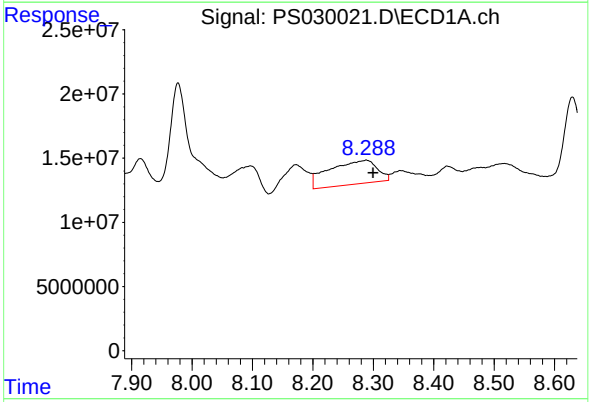
R.T.: 7.977 min
Delta R.T.: -0.042 min
Response: 215350295
Conc: 76.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325



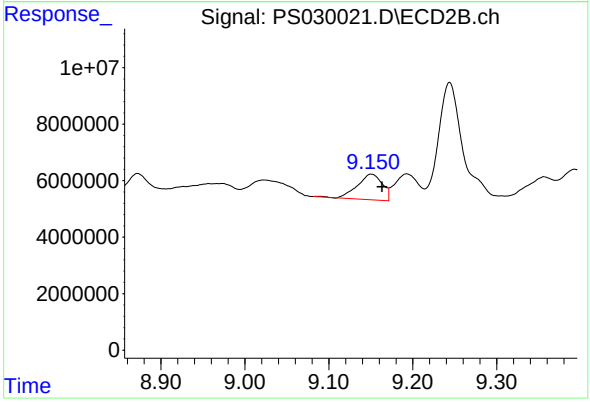
#9 2,4-D

R.T.: 8.613 min
Delta R.T.: -0.049 min
Response: 7327934
Conc: 6.50 ng/ml



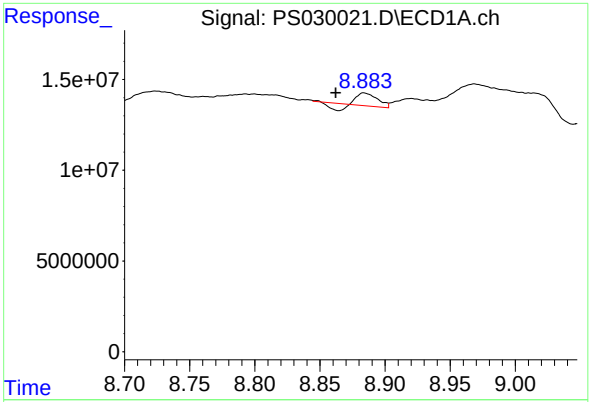
#10 Pentachlorophenol

R.T.: 8.288 min
Delta R.T.: -0.011 min
Response: 102556293
Conc: 2.94 ng/ml



#10 Pentachlorophenol

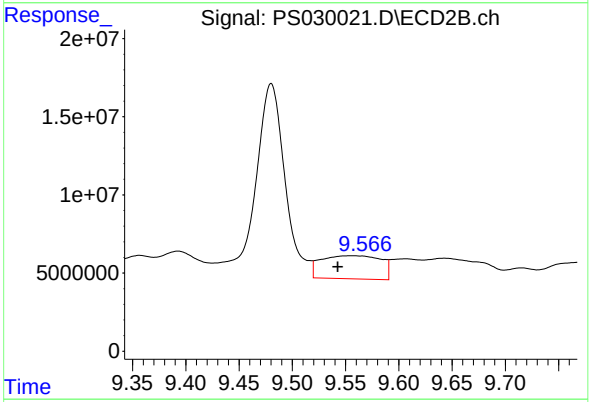
R.T.: 9.151 min
Delta R.T.: -0.013 min
Response: 18715528
Conc: N.D.



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

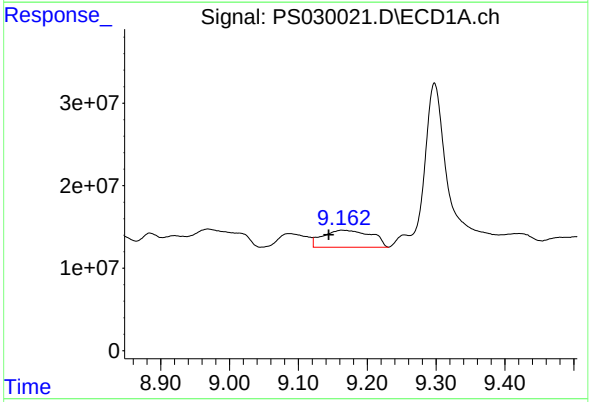
R.T.: 8.885 min
Delta R.T.: 0.022 min
Response: 5649395
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325



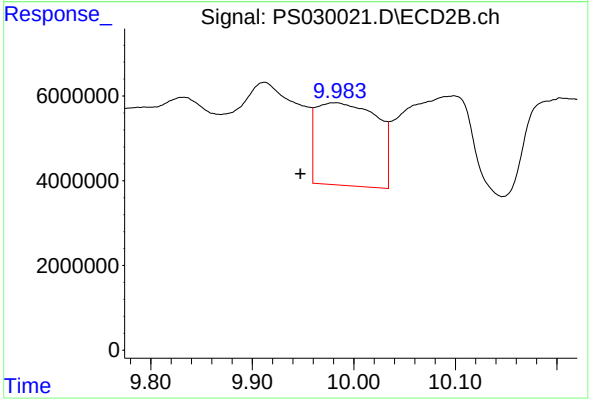
#11 2,4,5-TP (SILVEX)

R.T.: 9.556 min
Delta R.T.: 0.013 min
Response: 57866025
Conc: 7.07 ng/ml



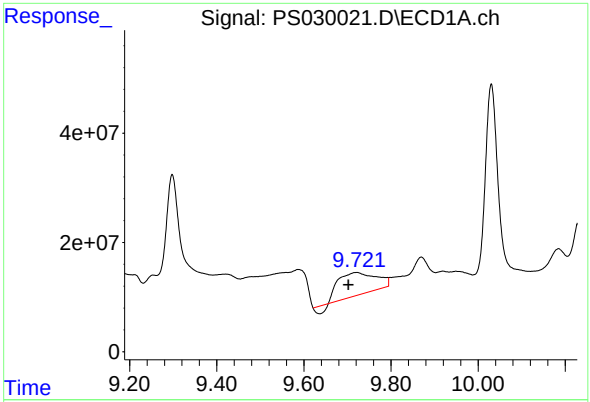
#12 2,4,5-T

R.T.: 9.164 min
Delta R.T.: 0.020 min
Response: 100842308
Conc: 7.18 ng/ml



#12 2,4,5-T

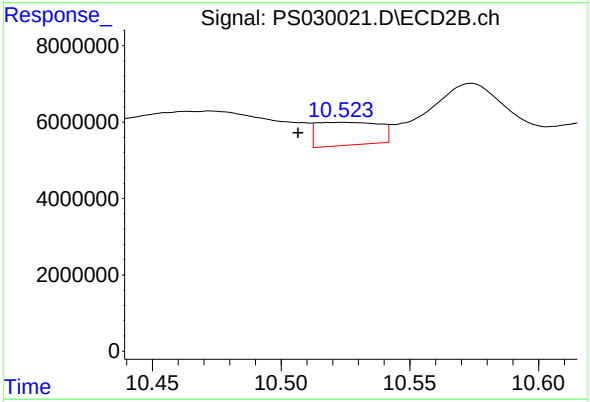
R.T.: 9.982 min
Delta R.T.: 0.034 min
Response: 81225598
Conc: 10.46 ng/ml



#13 2,4-DB

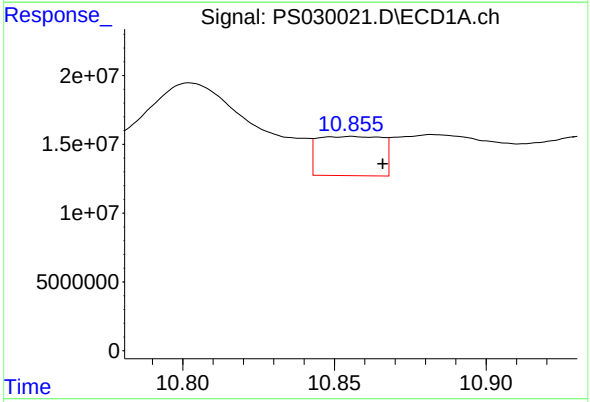
R.T.: 9.721 min
Delta R.T.: 0.019 min
Response: 235197606
Conc: 102.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325



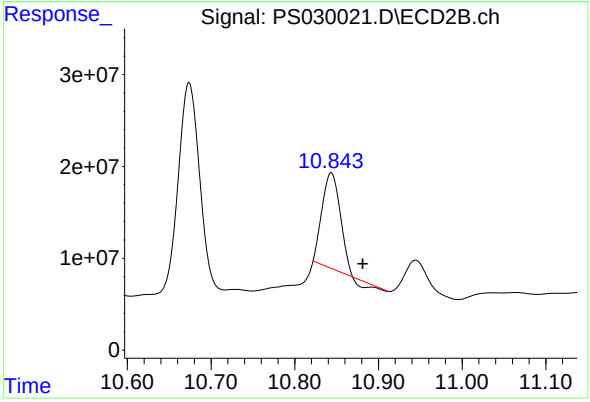
#13 2,4-DB

R.T.: 10.523 min
Delta R.T.: 0.017 min
Response: 10154346
Conc: 12.62 ng/ml



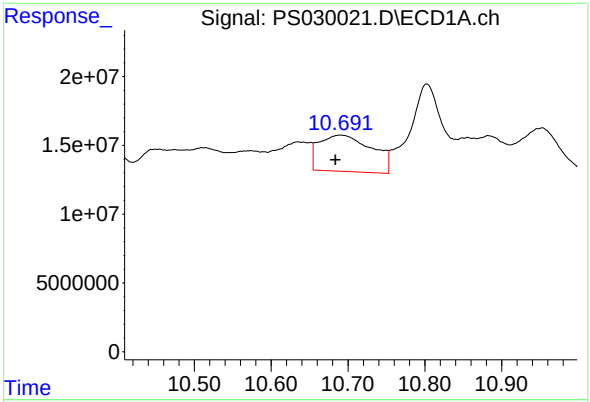
#14 DINOSEB

R.T.: 10.855 min
Delta R.T.: -0.011 min
Response: 42002587
Conc: 4.13 ng/ml



#14 DINOSEB

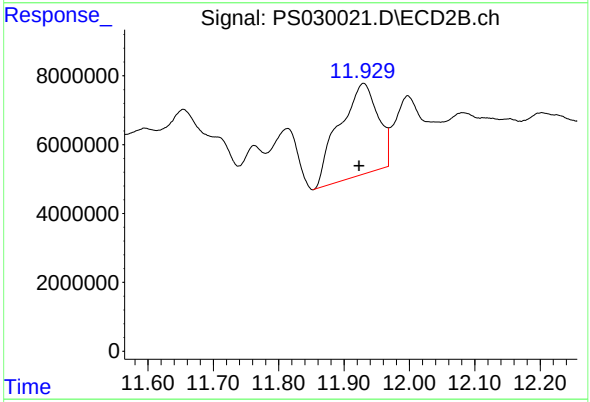
R.T.: 10.844 min
Delta R.T.: -0.038 min
Response: 149128200
Conc: 25.58 ng/ml



#15 Picloram

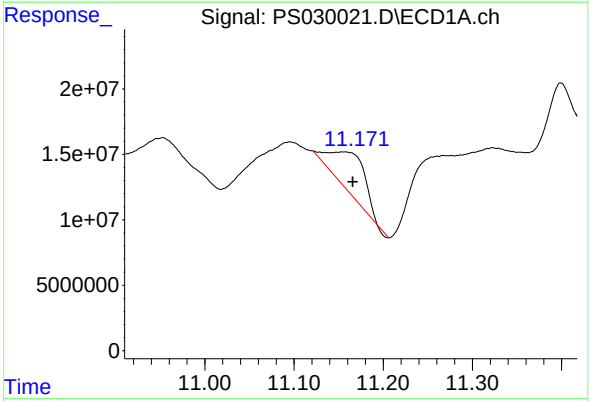
R.T.: 10.690 min
Delta R.T.: 0.007 min
Response: 126036632
Conc: 6.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-31-042325



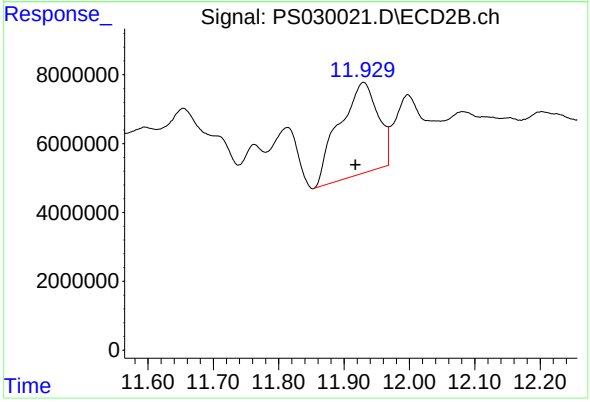
#15 Picloram

R.T.: 11.930 min
Delta R.T.: 0.007 min
Response: 109680135
Conc: 8.93 ng/ml



#16 DCPA

R.T.: 11.156 min
Delta R.T.: -0.010 min
Response: 81394330
Conc: 4.78 ng/ml



#16 DCPA

R.T.: 11.930 min
Delta R.T.: 0.012 min
Response: 109680135
Conc: 9.73 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 17:28
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: May 02 01:30:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.462	1888.4E6	569.7E6	767.297	808.568
	Target Compounds						
1) T	Dalapon	2.448	2.523	2794.7E6	1185.1E6	682.429	682.626
2) T	3,5-DICHL...	6.142	6.459	2569.7E6	738.2E6	719.036	755.171
3) T	4-Nitroph...	6.728	6.995	1269.3E6	560.2E6	711.772	731.395
5) T	DICAMBA	7.114	7.648	7247.0E6	3150.6E6	731.806	797.615
6) T	MCPP	7.293	7.755	448.3E6	125.9E6	69.578	72.009
7) T	MCPA	7.436	7.985	641.0E6	170.3E6	72.586	71.966
8) T	DICHLORPROP	7.795	8.341	1817.9E6	801.4E6	717.354	798.239
9) T	2,4-D	8.015	8.653	2045.8E6	862.5E6	727.283	765.272
10) T	Pentachlo...	8.293	9.154	26237.5E6	16512.9E6	752.115	811.653
11) T	2,4,5-TP ...	8.857	9.533	10417.0E6	6556.3E6	751.434	801.336
12) T	2,4,5-T	9.139	9.937	10641.3E6	6136.4E6	757.218	790.511
13) T	2,4-DB	9.698	10.495	1757.6E6	617.9E6	769.084	767.700
14) T	DINOSEB	10.860	10.869	7519.2E6	4438.6E6	739.099	761.205
15) T	Picloram	10.678	11.903	13425.7E6	18182.7E6	732.418	1480.233 #
16) T	DCPA	11.161	11.903	12986.2E6	18182.7E6	762.952	1613.131 #

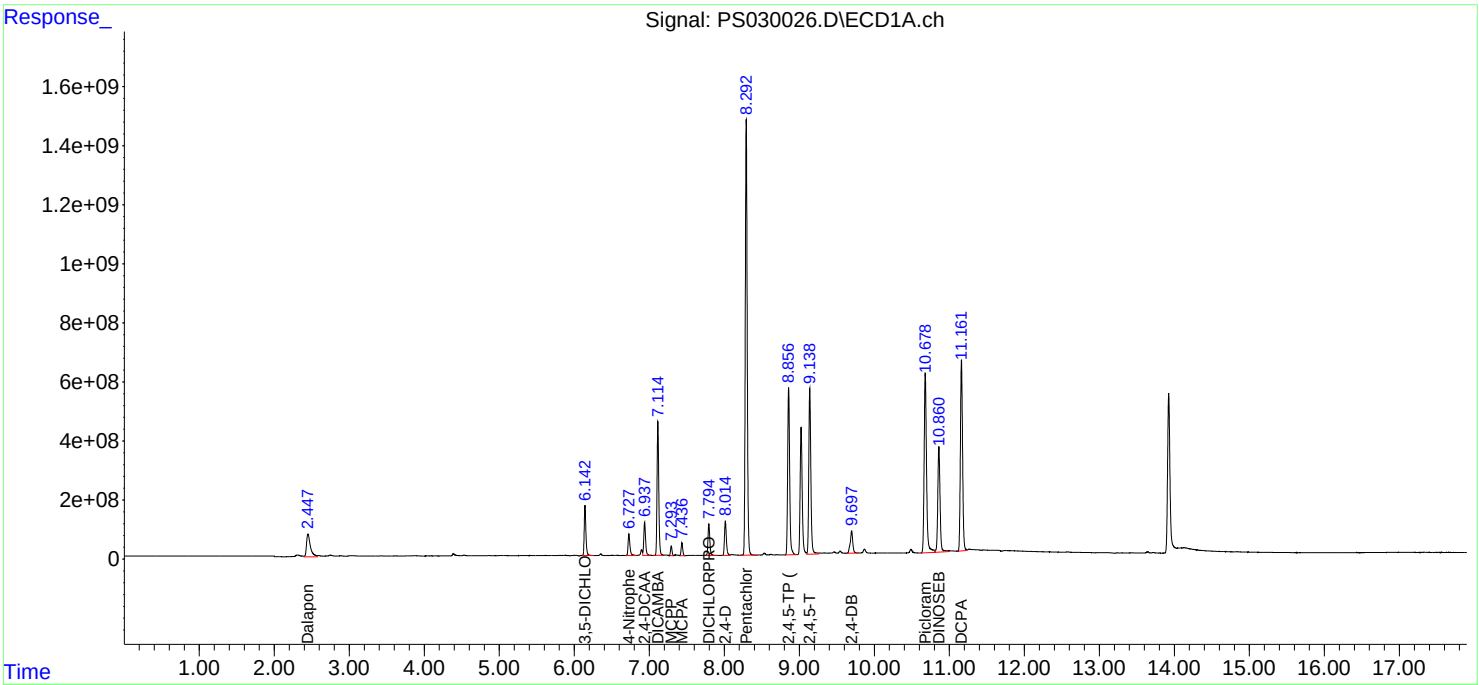
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

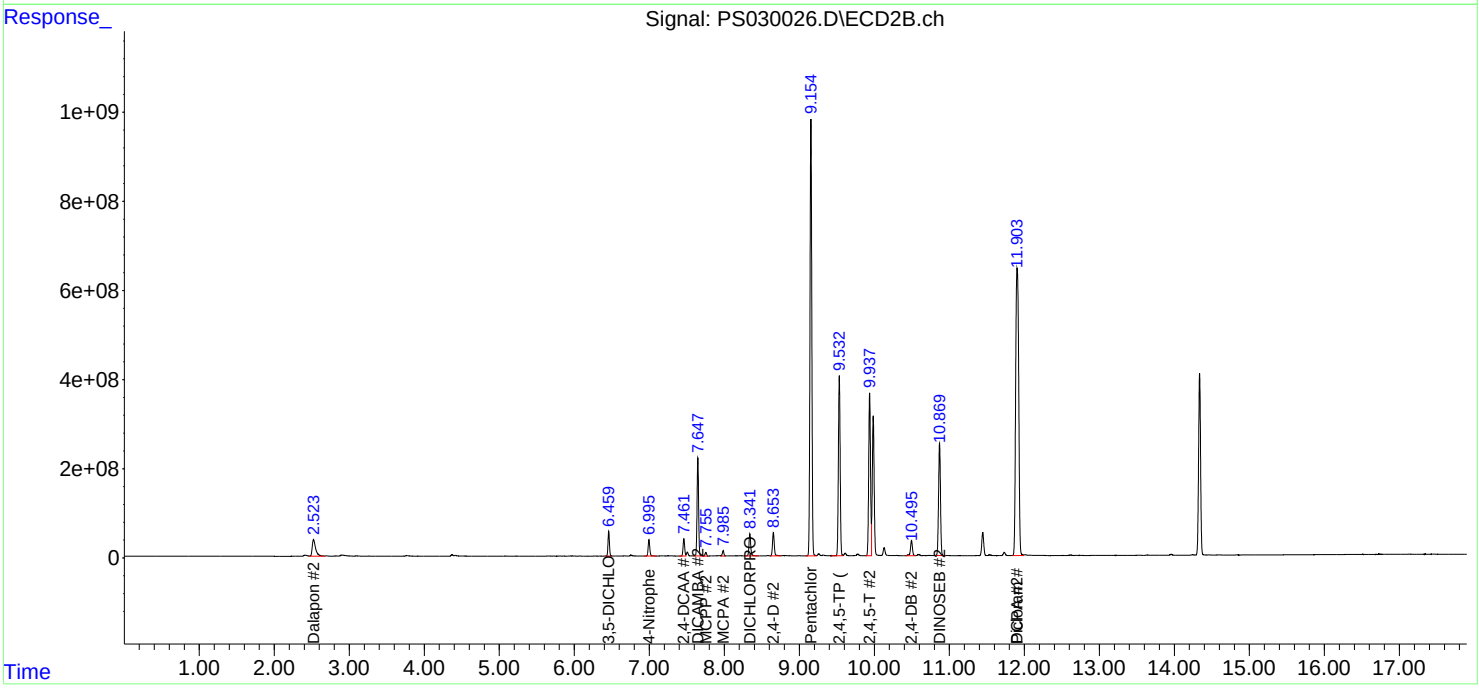
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050125\
Data File : PS030026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 17:28
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

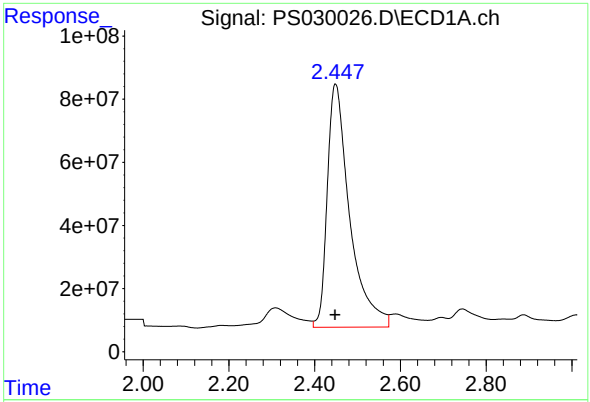
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:30:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



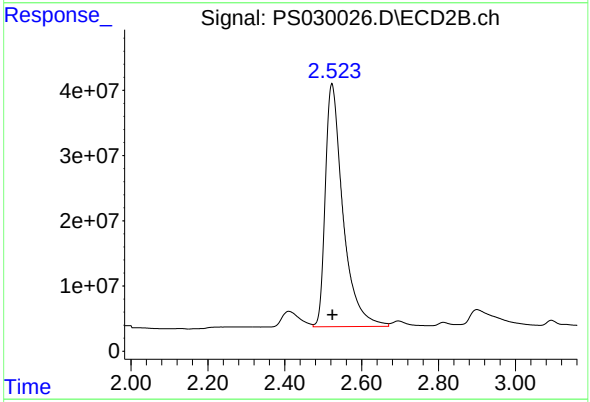




#1 Dalapon

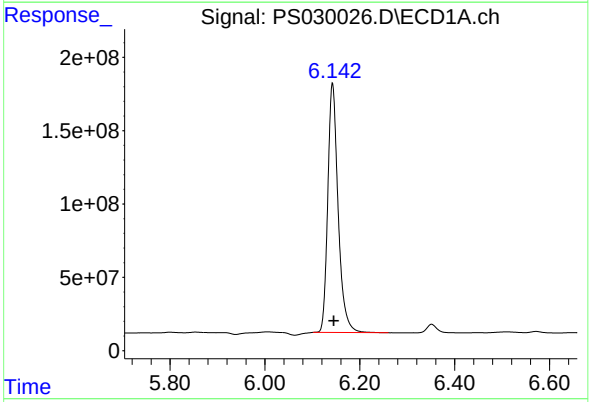
R.T.: 2.448 min
Delta R.T.: 0.000 min
Response: 2794723971
Conc: 682.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



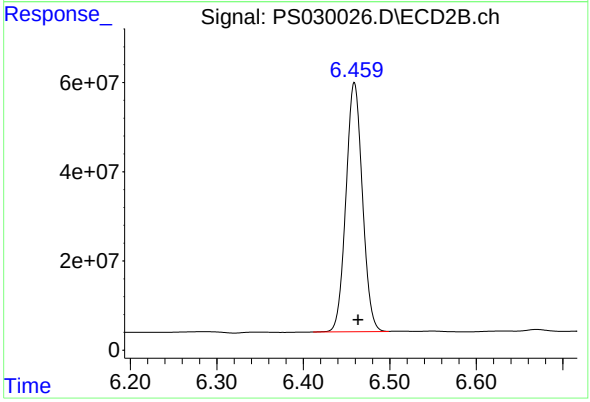
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: -0.002 min
Response: 1185136689
Conc: 682.63 ng/ml



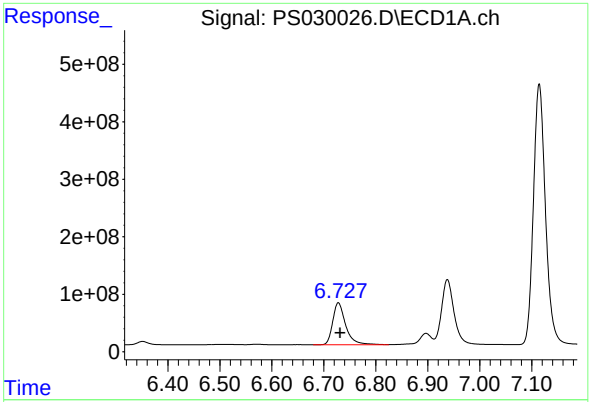
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.142 min
Delta R.T.: -0.003 min
Response: 2569680983
Conc: 719.04 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

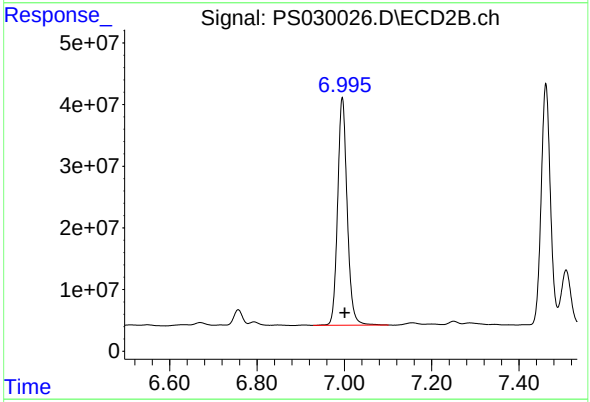
R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 738239496
Conc: 755.17 ng/ml



#3 4-Nitrophenol

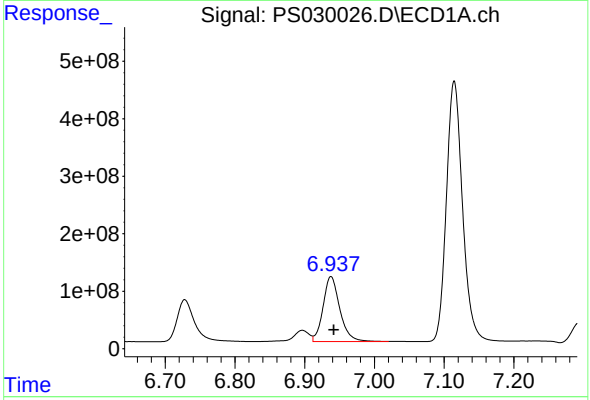
R.T.: 6.728 min
Delta R.T.: -0.003 min
Response: 1269317960
Conc: 711.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



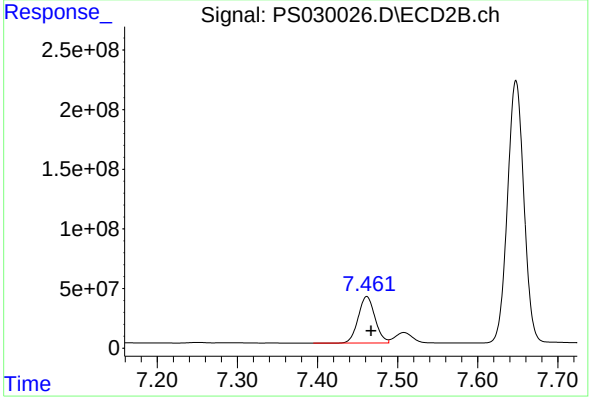
#3 4-Nitrophenol

R.T.: 6.995 min
Delta R.T.: -0.005 min
Response: 560191374
Conc: 731.40 ng/ml



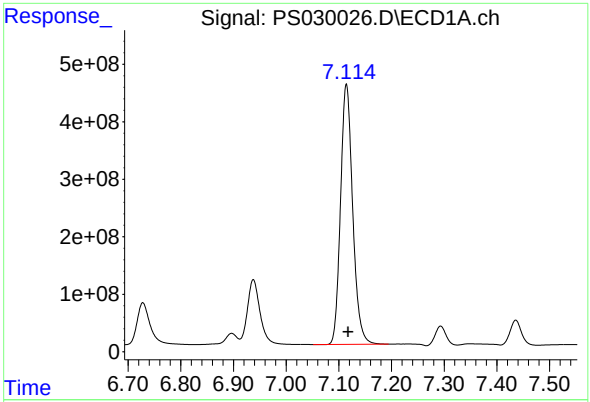
#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 1888378898
Conc: 767.30 ng/ml



#4 2,4-DCAA

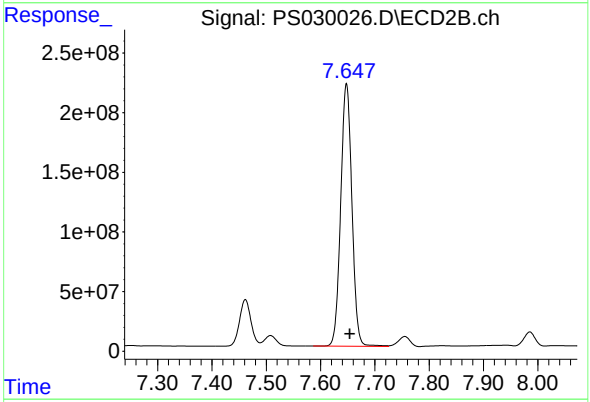
R.T.: 7.462 min
Delta R.T.: -0.006 min
Response: 569650088
Conc: 808.57 ng/ml



#5 DICAMBA

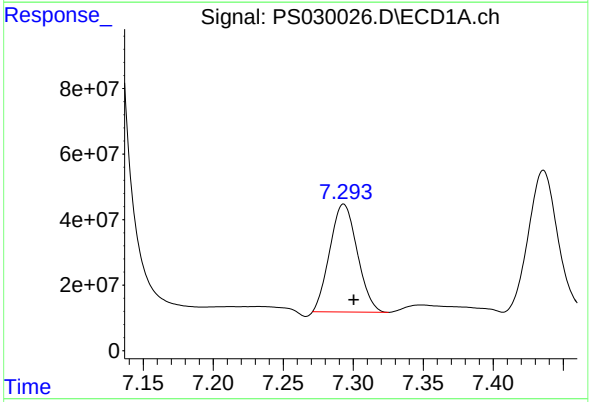
R.T.: 7.114 min
Delta R.T.: -0.003 min
Response: 7246972846
Conc: 731.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



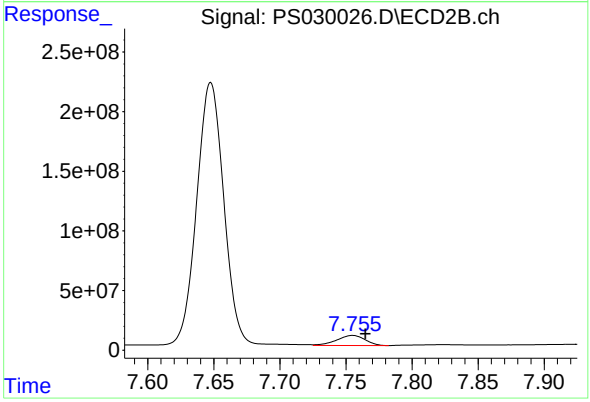
#5 DICAMBA

R.T.: 7.648 min
Delta R.T.: -0.006 min
Response: 3150630491
Conc: 797.61 ng/ml



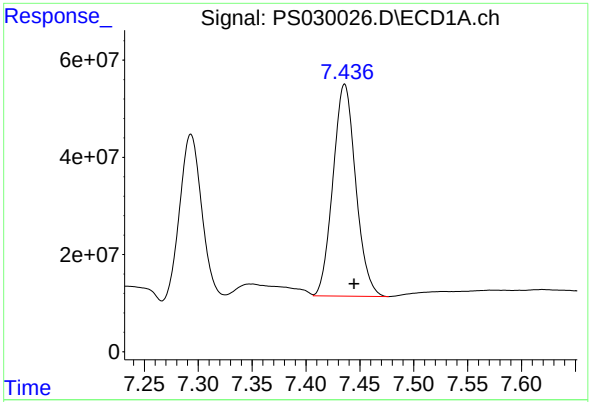
#6 MCPP

R.T.: 7.293 min
Delta R.T.: -0.007 min
Response: 448334279
Conc: 69.58 ug/ml



#6 MCPP

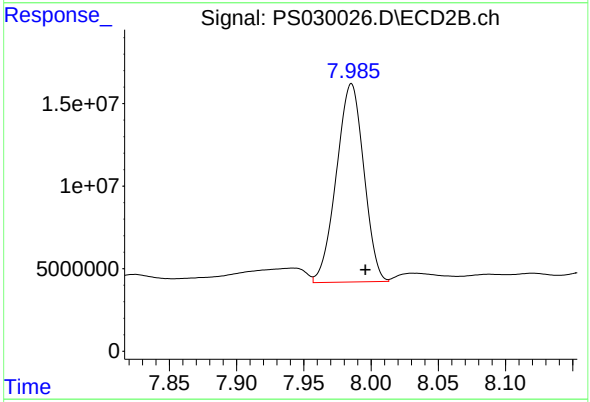
R.T.: 7.755 min
Delta R.T.: -0.010 min
Response: 125940998
Conc: 72.01 ug/ml



#7 MCPA

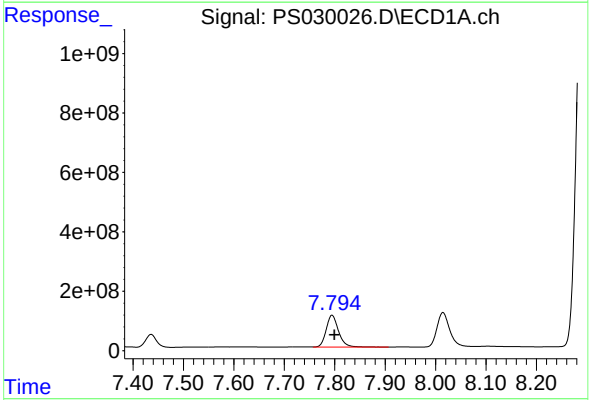
R.T.: 7.436 min
Delta R.T.: -0.009 min
Response: 641028979
Conc: 72.59 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



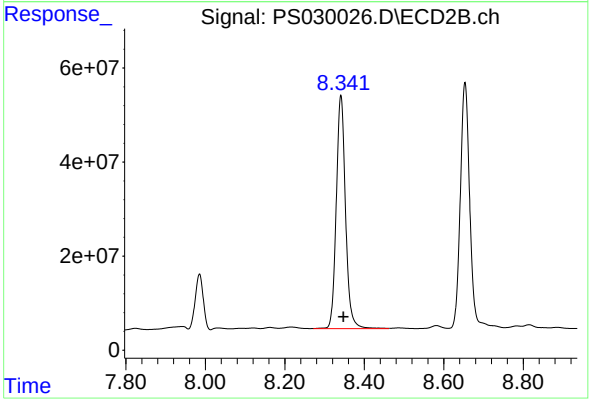
#7 MCPA

R.T.: 7.985 min
Delta R.T.: -0.010 min
Response: 170258090
Conc: 71.97 ug/ml



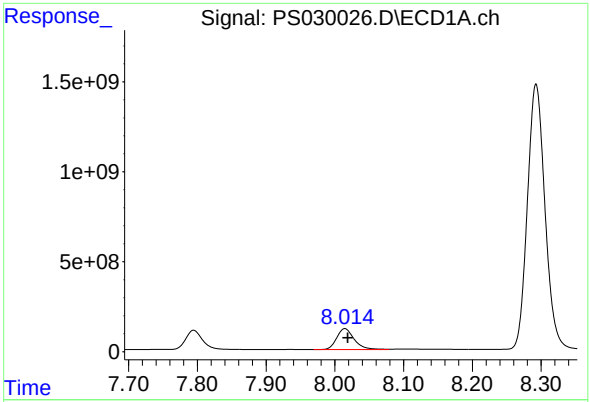
#8 DICHLORPROP

R.T.: 7.795 min
Delta R.T.: -0.004 min
Response: 1817853046
Conc: 717.35 ng/ml



#8 DICHLORPROP

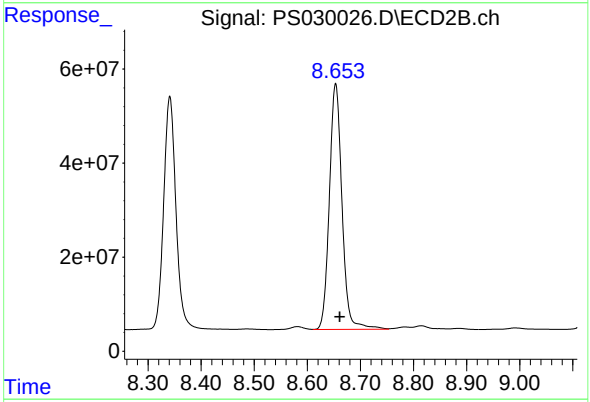
R.T.: 8.341 min
Delta R.T.: -0.007 min
Response: 801403222
Conc: 798.24 ng/ml



#9 2,4-D

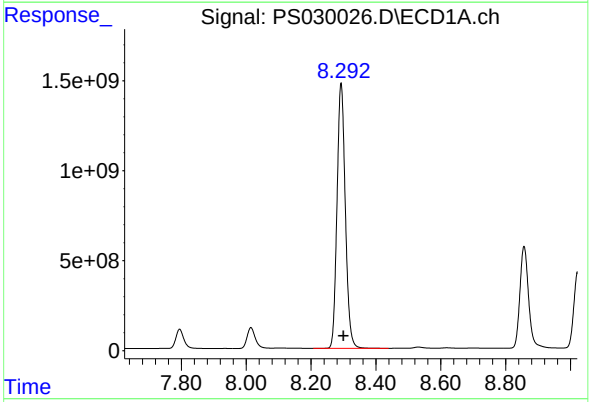
R.T.: 8.015 min
Delta R.T.: -0.004 min
Response: 2045753582
Conc: 727.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



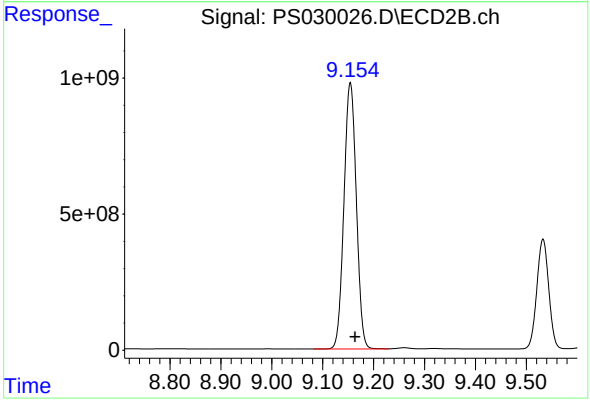
#9 2,4-D

R.T.: 8.653 min
Delta R.T.: -0.008 min
Response: 862543014
Conc: 765.27 ng/ml



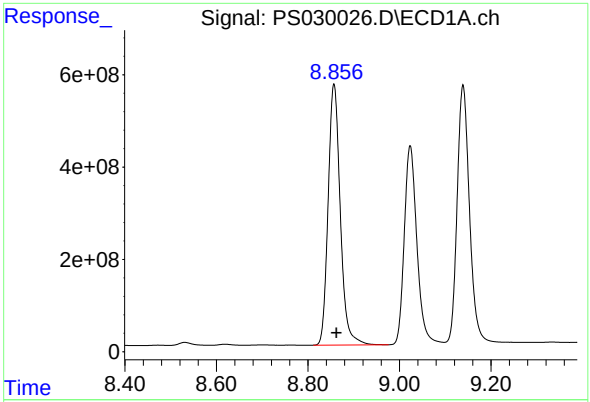
#10 Pentachlorophenol

R.T.: 8.293 min
Delta R.T.: -0.007 min
Response: 26237549087
Conc: 752.12 ng/ml



#10 Pentachlorophenol

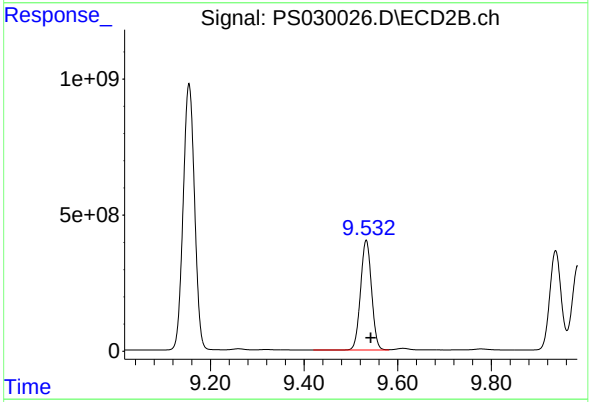
R.T.: 9.154 min
Delta R.T.: -0.009 min
Response: 16512921319
Conc: 811.65 ng/ml



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

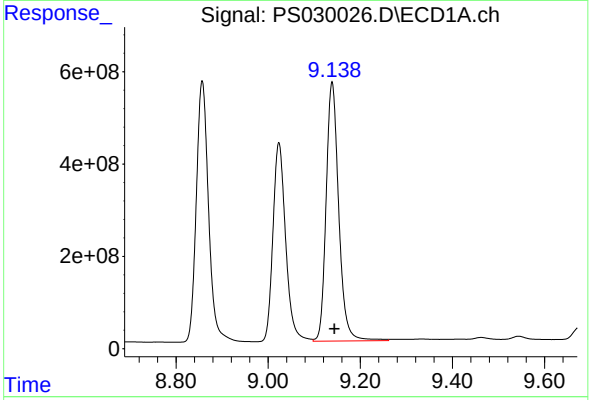
R.T.: 8.857 min
Delta R.T.: -0.005 min
Response: 10417003423
Conc: 751.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



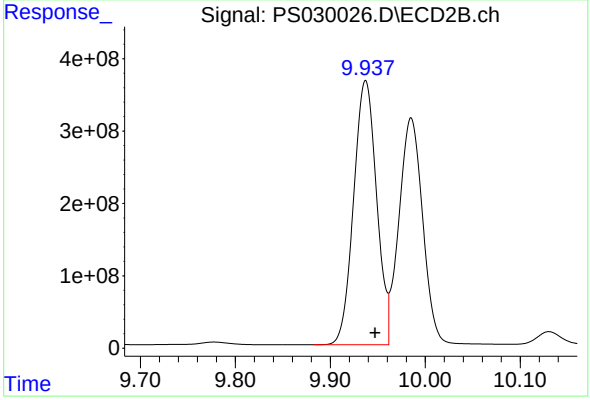
#11 2,4,5-TP (SILVEX)

R.T.: 9.533 min
Delta R.T.: -0.010 min
Response: 6556330082
Conc: 801.34 ng/ml



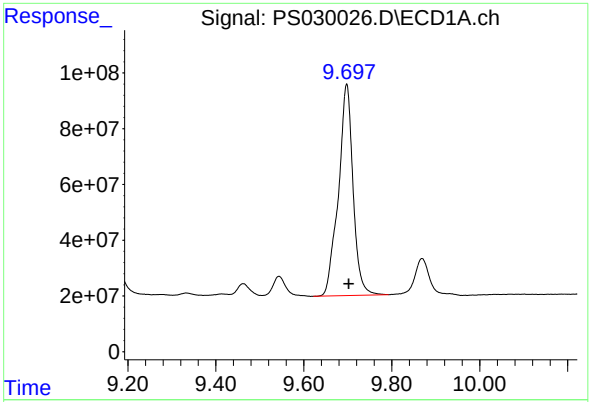
#12 2,4,5-T

R.T.: 9.139 min
Delta R.T.: -0.005 min
Response: 10641265427
Conc: 757.22 ng/ml



#12 2,4,5-T

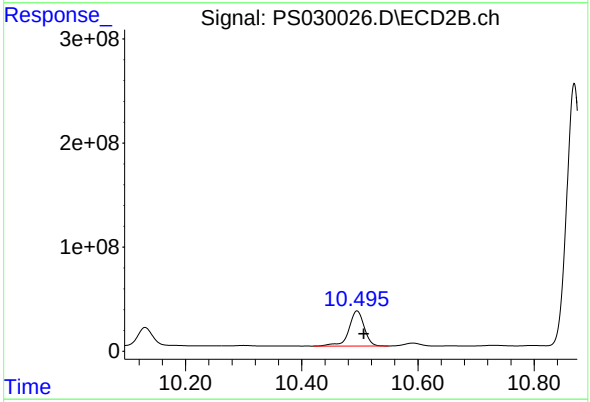
R.T.: 9.937 min
Delta R.T.: -0.010 min
Response: 6136416767
Conc: 790.51 ng/ml



#13 2,4-DB

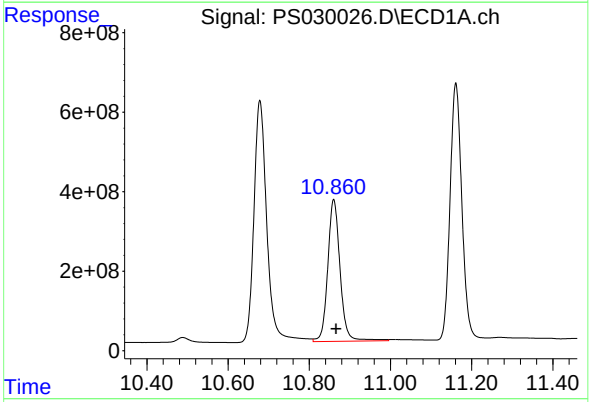
R.T.: 9.698 min
Delta R.T.: -0.004 min
Response: 1757631293
Conc: 769.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



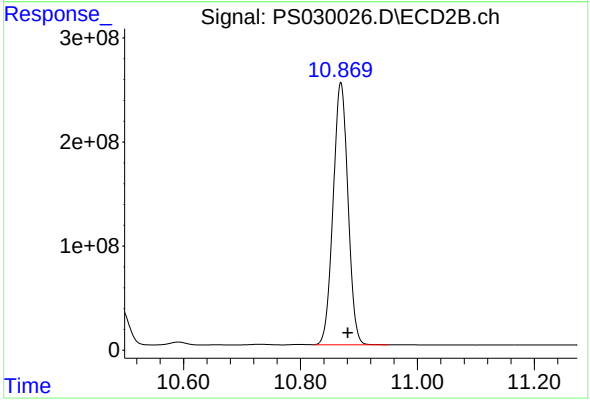
#13 2,4-DB

R.T.: 10.495 min
Delta R.T.: -0.011 min
Response: 617877165
Conc: 767.70 ng/ml



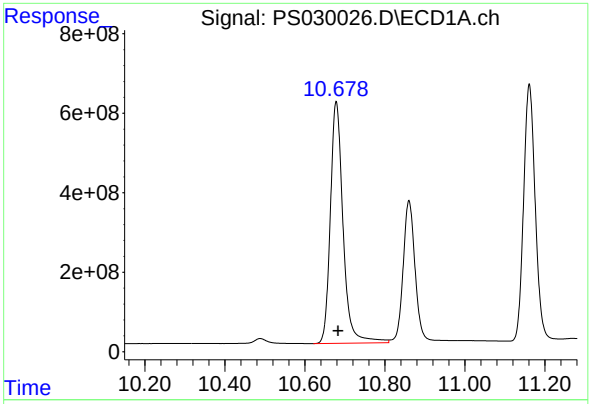
#14 DINOSEB

R.T.: 10.860 min
Delta R.T.: -0.006 min
Response: 7519170257
Conc: 739.10 ng/ml



#14 DINOSEB

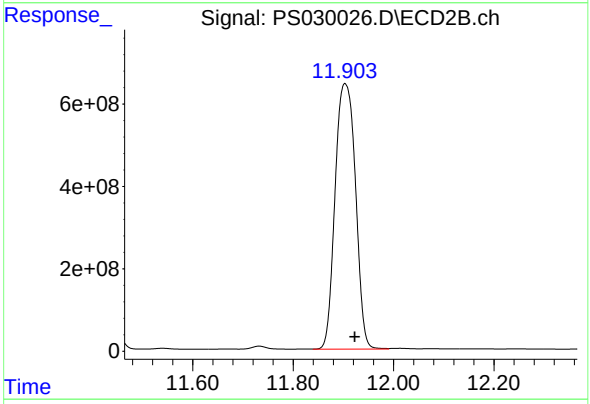
R.T.: 10.869 min
Delta R.T.: -0.012 min
Response: 4438570711
Conc: 761.20 ng/ml



#15 Picloram

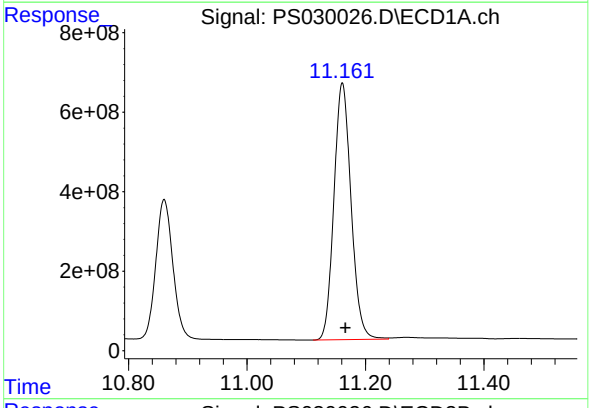
R.T.: 10.678 min
Delta R.T.: -0.005 min
Response: 13425673369
Conc: 732.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



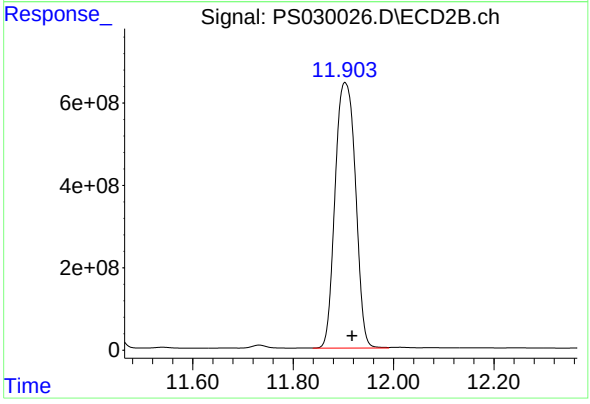
#15 Picloram

R.T.: 11.903 min
Delta R.T.: -0.020 min
Response: 18182652631
Conc: 1480.23 ng/ml



#16 DCPA

R.T.: 11.161 min
Delta R.T.: -0.005 min
Response: 12986203927
Conc: 762.95 ng/ml



#16 DCPA

R.T.: 11.903 min
Delta R.T.: -0.014 min
Response: 18182652631
Conc: 1613.13 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 09:55
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: May 05 12:26:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.938	7.456	1902.1E6	555.4E6	772.860	788.396
	Target Compounds						
1) T	Dalapon	2.446	2.517	3152.3E6	1268.0E6	769.749	730.345
2) T	3,5-DICHL...	6.142	6.454	2580.1E6	718.9E6	721.950	735.376
3) T	4-Nitroph...	6.728	6.990	1270.3E6	554.2E6	712.324	723.635
5) T	DICAMBA	7.114	7.642	7384.3E6	3117.7E6	745.677	789.285
6) T	MCPP	7.293	7.750	474.5E6	139.3E6	73.642	79.630
7) T	MCPA	7.436	7.981	643.1E6	166.0E6	72.816	70.169
8) T	DICHLORPROP	7.795	8.336	1922.1E6	752.9E6	758.477	749.952
9) T	2,4-D	8.015	8.649	2185.1E6	840.8E6	776.807	745.962
10) T	Pentachlo...	8.293	9.150	26374.8E6	16140.6E6	756.051	793.353
11) T	2,4,5-TP ...	8.857	9.528	10510.0E6	6415.5E6	758.140	784.122
12) T	2,4,5-T	9.140	9.933	10639.4E6	5978.3E6	757.082	770.140
13) T	2,4-DB	9.698	10.491	1760.4E6	609.3E6	770.297	757.064
14) T	DINOSEB	10.861	10.865	7541.6E6	4394.3E6	741.305	753.615
15) T	Picloram	10.679	11.901	13895.4E6	18197.0E6	758.042	1481.400 #
16) T	DCPA	11.162	11.901	12980.1E6	18197.0E6	762.591	1614.403 #

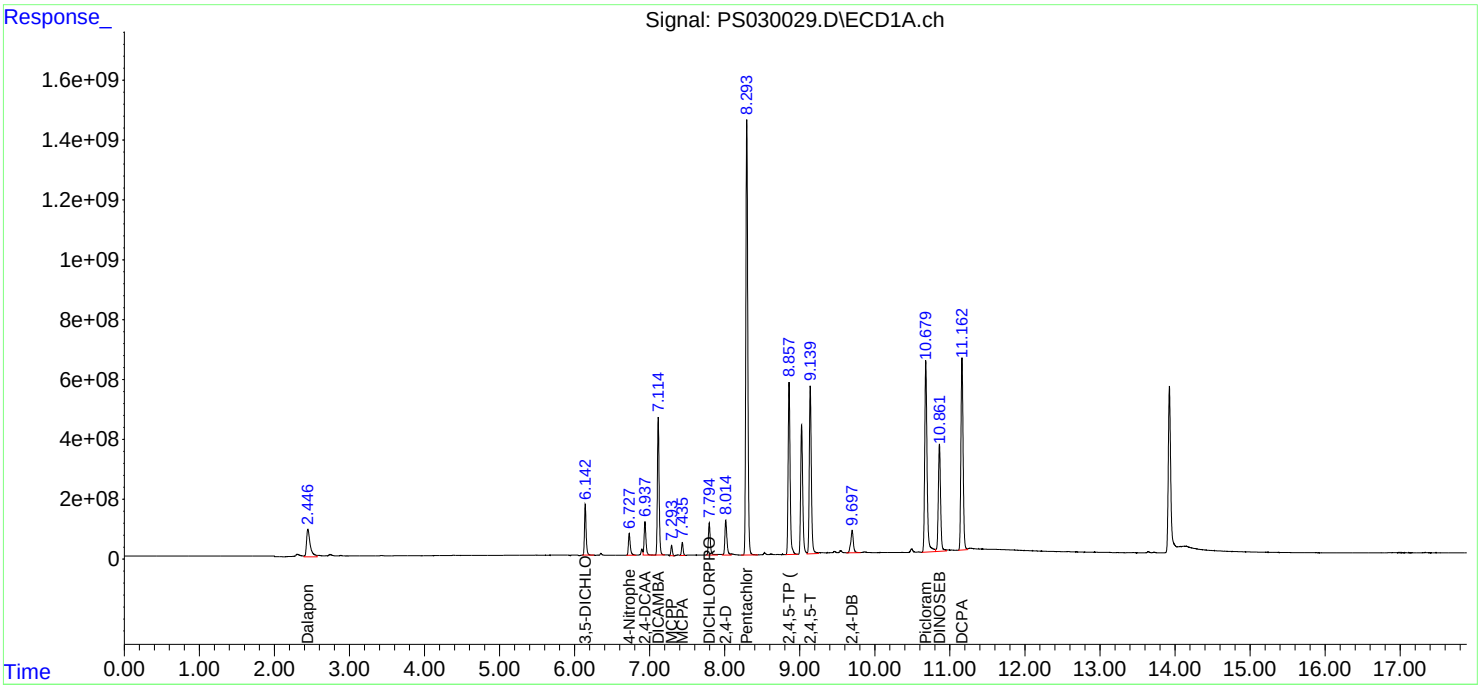
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

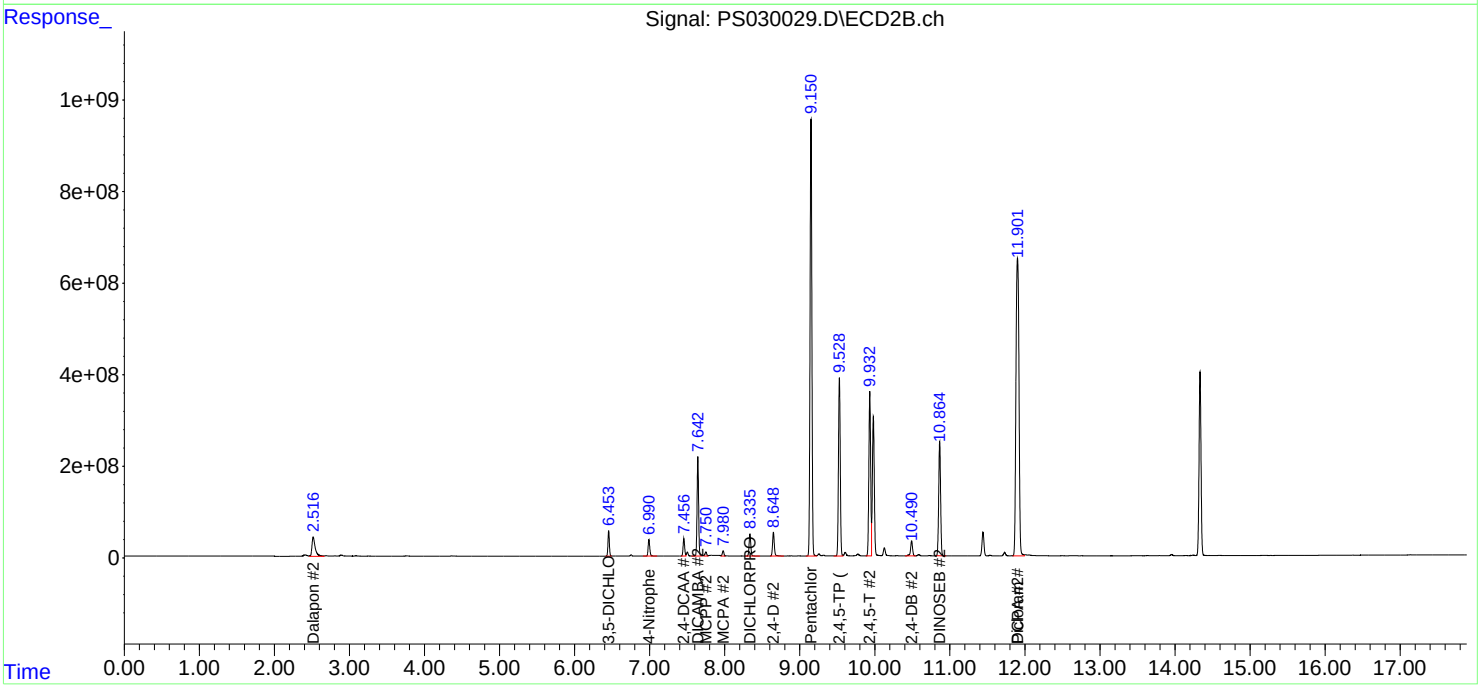
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 09:55
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

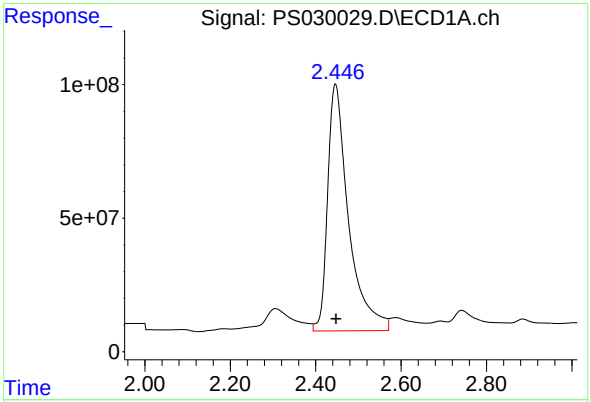
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 12:26:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



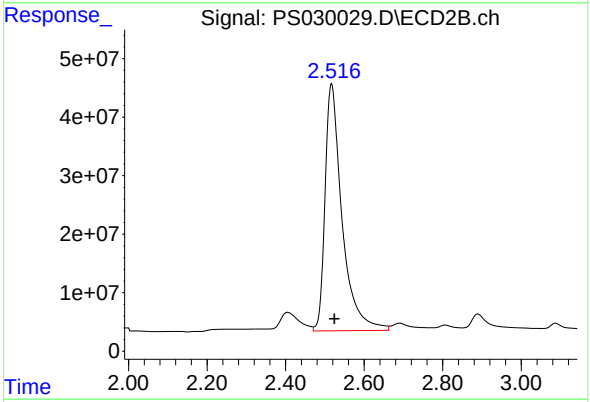




#1 Dalapon

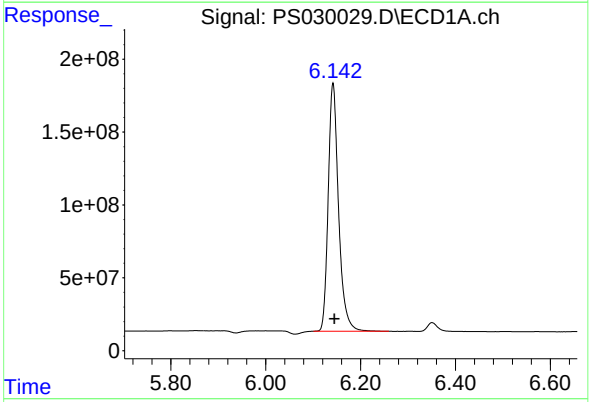
R.T.: 2.446 min
Delta R.T.: -0.002 min
Response: 3152321923
Conc: 769.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



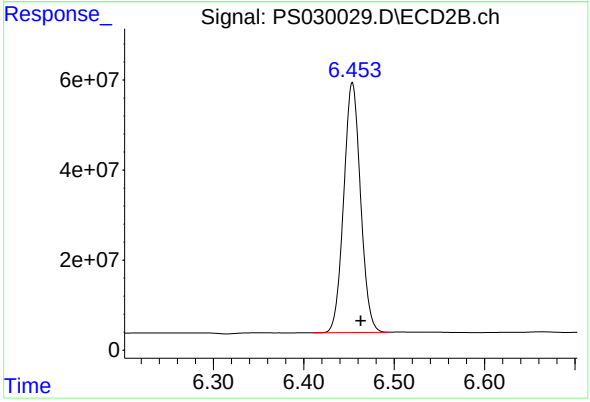
#1 Dalapon

R.T.: 2.517 min
Delta R.T.: -0.008 min
Response: 1267983437
Conc: 730.34 ng/ml



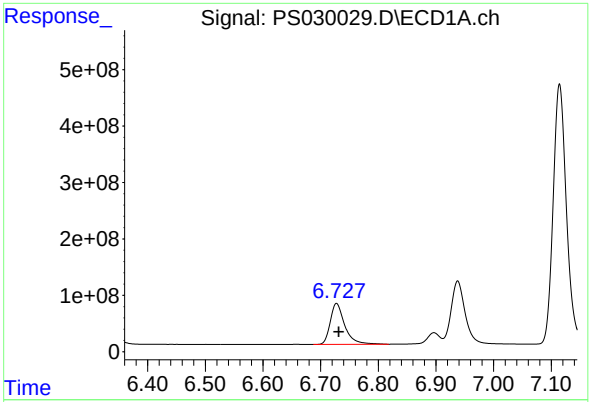
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.142 min
Delta R.T.: -0.003 min
Response: 2580095757
Conc: 721.95 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

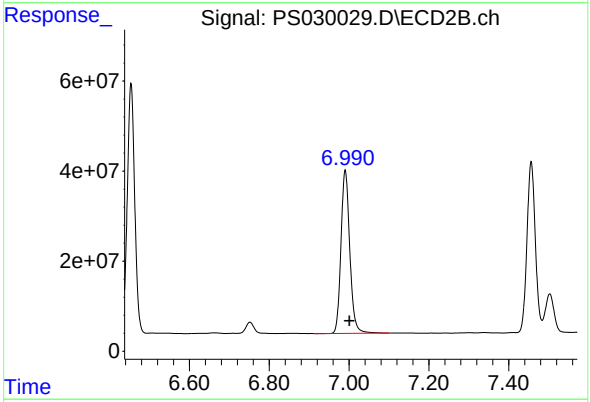
R.T.: 6.454 min
Delta R.T.: -0.009 min
Response: 718888293
Conc: 735.38 ng/ml



#3 4-Nitrophenol

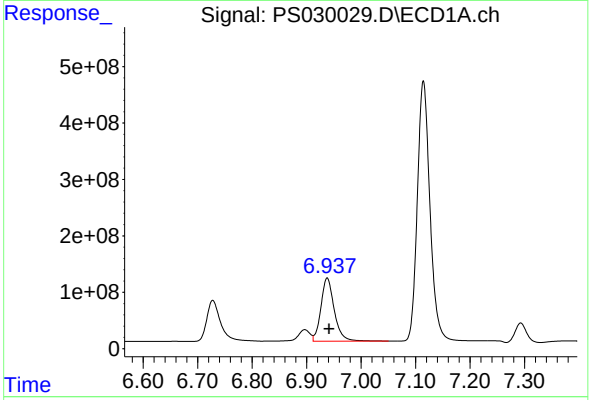
R.T.: 6.728 min
Delta R.T.: -0.004 min
Response: 1270301802
Conc: 712.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



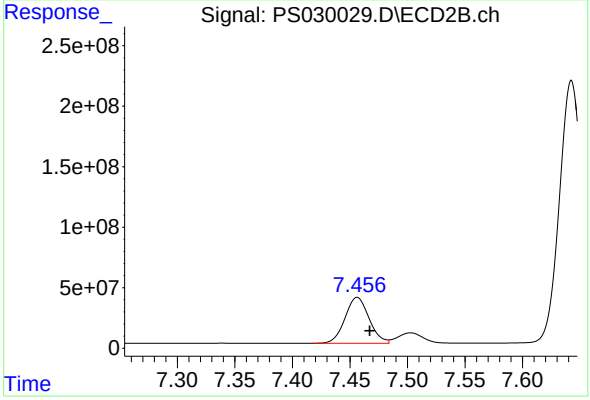
#3 4-Nitrophenol

R.T.: 6.990 min
Delta R.T.: -0.010 min
Response: 554247176
Conc: 723.63 ng/ml



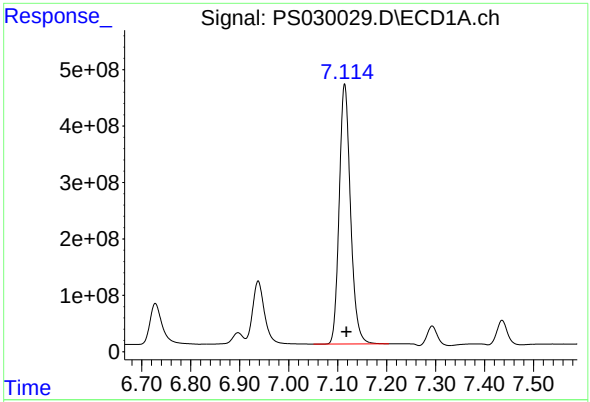
#4 2,4-DCAA

R.T.: 6.938 min
Delta R.T.: -0.004 min
Response: 1902069709
Conc: 772.86 ng/ml



#4 2,4-DCAA

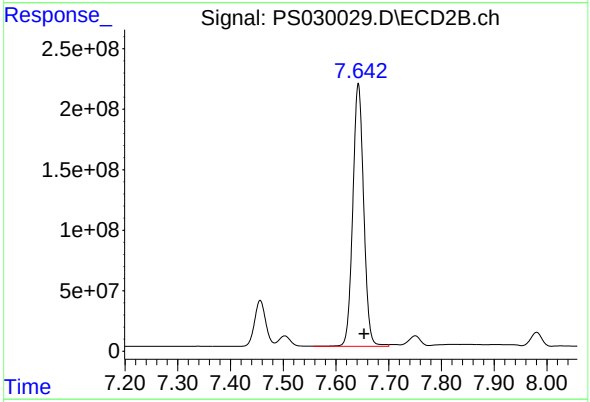
R.T.: 7.456 min
Delta R.T.: -0.011 min
Response: 555438378
Conc: 788.40 ng/ml



#5 DICAMBA

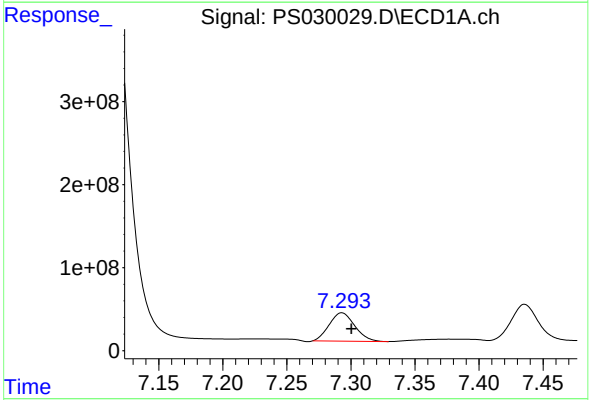
R.T.: 7.114 min
Delta R.T.: -0.004 min
Response: 7384334899
Conc: 745.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



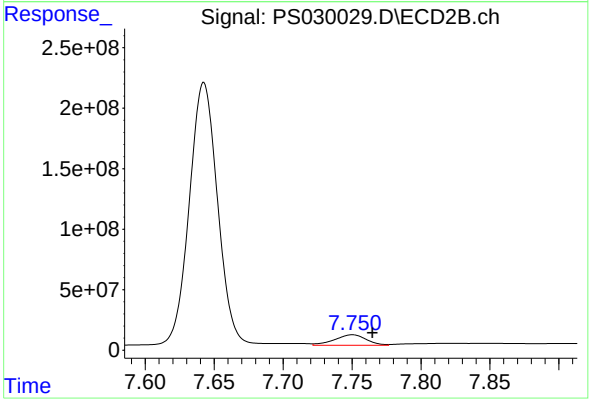
#5 DICAMBA

R.T.: 7.642 min
Delta R.T.: -0.011 min
Response: 3117725389
Conc: 789.28 ng/ml



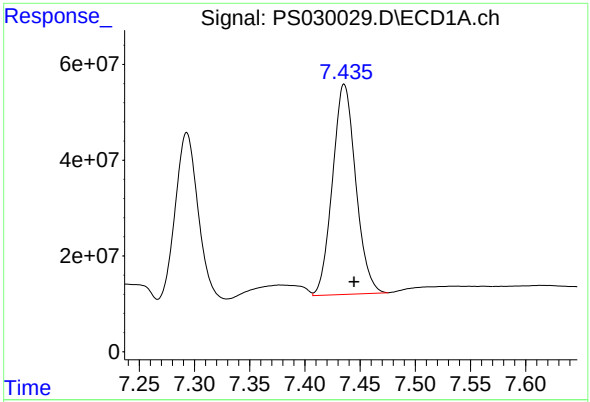
#6 MCPP

R.T.: 7.293 min
Delta R.T.: -0.007 min
Response: 474519993
Conc: 73.64 ug/ml



#6 MCPP

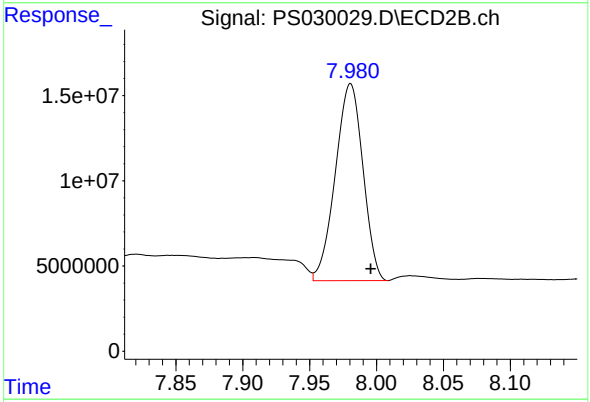
R.T.: 7.750 min
Delta R.T.: -0.014 min
Response: 139269003
Conc: 79.63 ug/ml



#7 MCPA

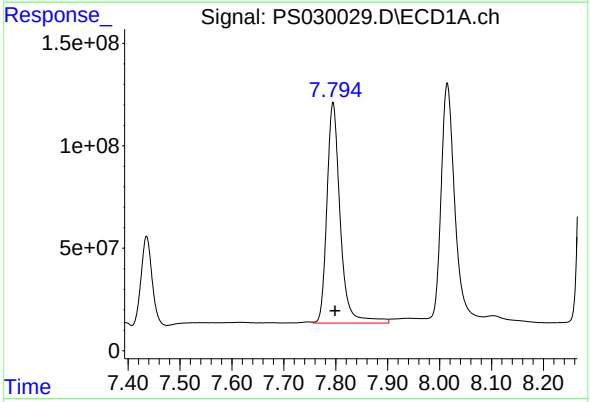
R.T.: 7.436 min
Delta R.T.: -0.009 min
Response: 643063428
Conc: 72.82 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



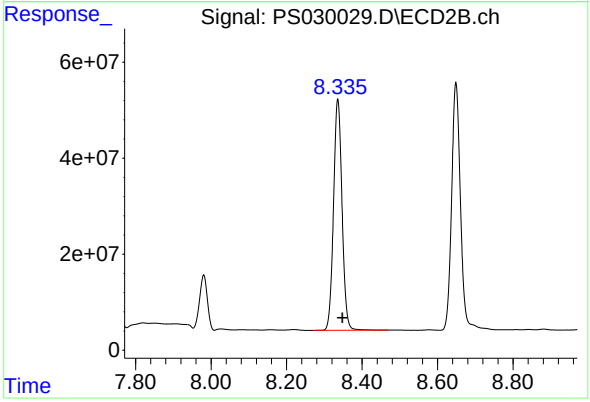
#7 MCPA

R.T.: 7.981 min
Delta R.T.: -0.015 min
Response: 166006369
Conc: 70.17 ug/ml



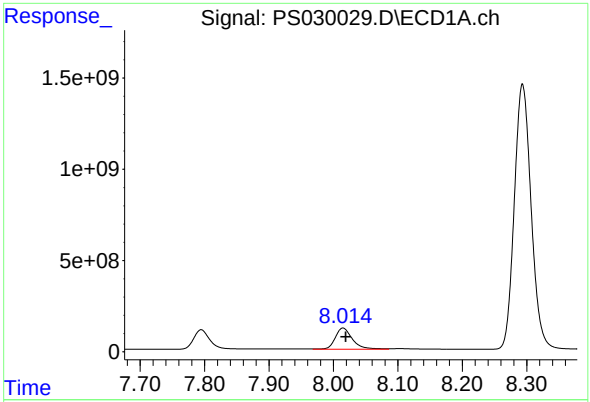
#8 DICHLORPROP

R.T.: 7.795 min
Delta R.T.: -0.004 min
Response: 1922063526
Conc: 758.48 ng/ml



#8 DICHLORPROP

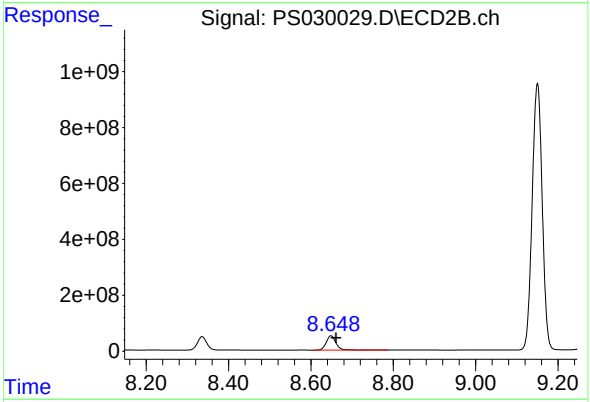
R.T.: 8.336 min
Delta R.T.: -0.012 min
Response: 752925374
Conc: 749.95 ng/ml



#9 2,4-D

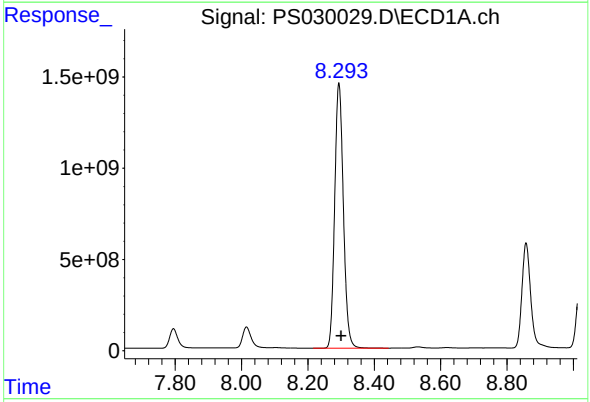
R.T.: 8.015 min
Delta R.T.: -0.004 min
Response: 2185058539
Conc: 776.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



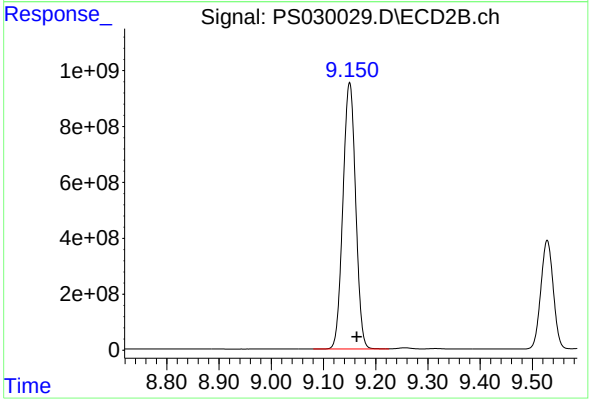
#9 2,4-D

R.T.: 8.649 min
Delta R.T.: -0.012 min
Response: 840778929
Conc: 745.96 ng/ml



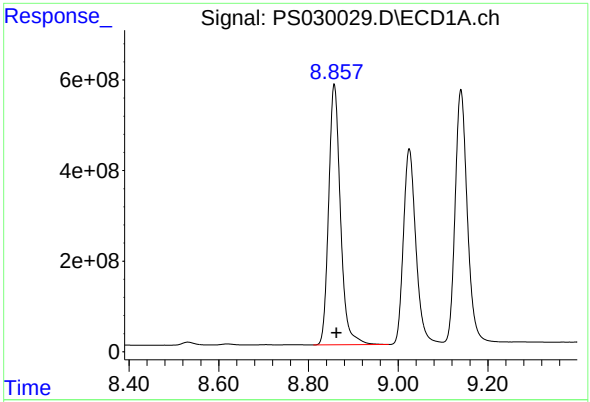
#10 Pentachlorophenol

R.T.: 8.293 min
Delta R.T.: -0.006 min
Response: 26374849284
Conc: 756.05 ng/ml



#10 Pentachlorophenol

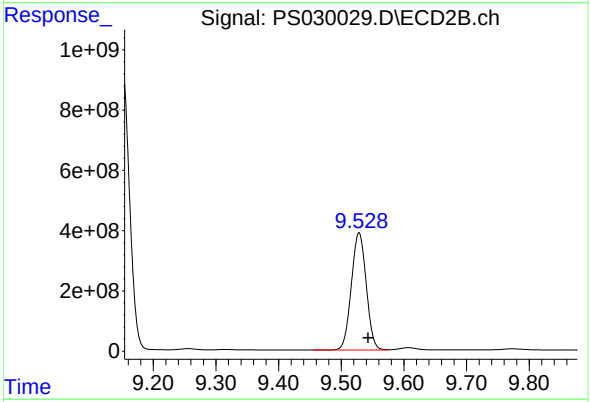
R.T.: 9.150 min
Delta R.T.: -0.013 min
Response: 16140623302
Conc: 793.35 ng/ml



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

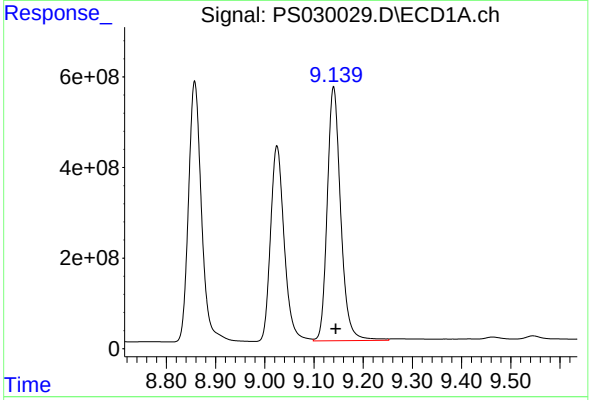
R.T.: 8.857 min
Delta R.T.: -0.005 min
Response: 10509968082
Conc: 758.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



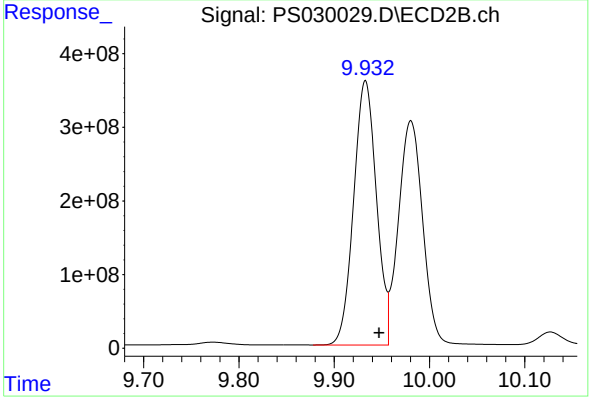
#11 2,4,5-TP (SILVEX)

R.T.: 9.528 min
Delta R.T.: -0.014 min
Response: 6415490809
Conc: 784.12 ng/ml



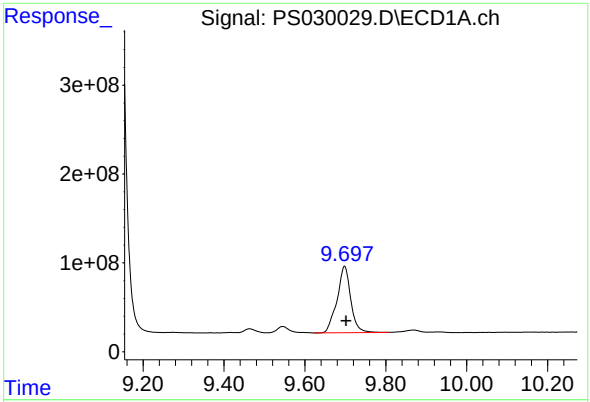
#12 2,4,5-T

R.T.: 9.140 min
Delta R.T.: -0.004 min
Response: 10639353854
Conc: 757.08 ng/ml



#12 2,4,5-T

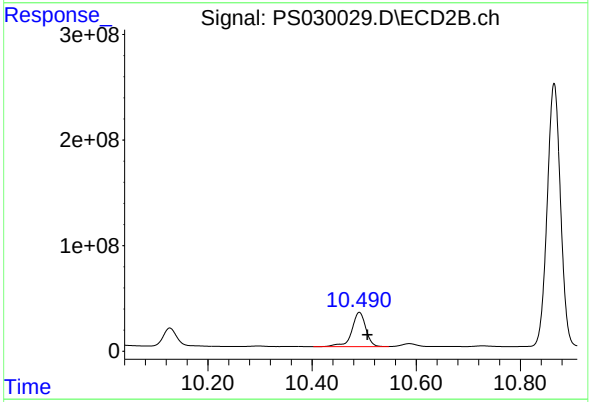
R.T.: 9.933 min
Delta R.T.: -0.015 min
Response: 5978287108
Conc: 770.14 ng/ml



#13 2,4-DB

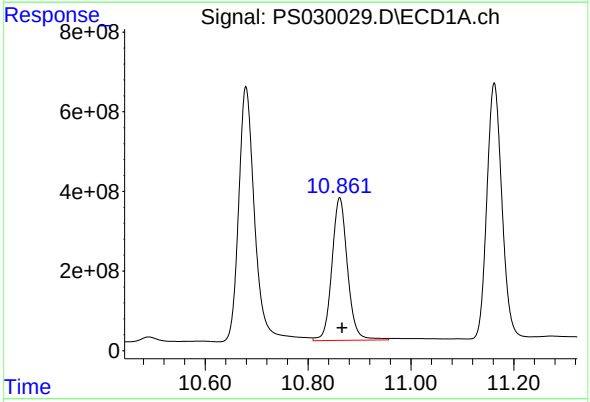
R.T.: 9.698 min
Delta R.T.: -0.004 min
Response: 1760403680
Conc: 770.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



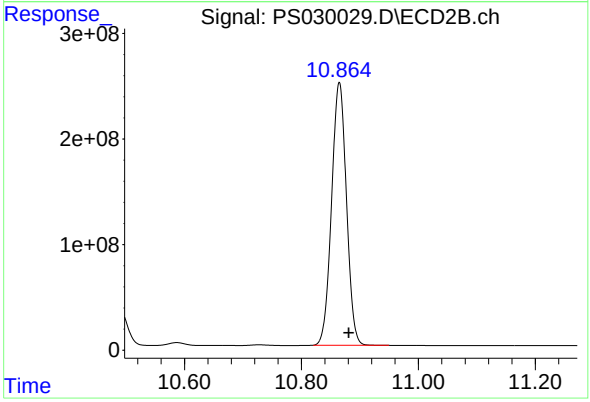
#13 2,4-DB

R.T.: 10.491 min
Delta R.T.: -0.016 min
Response: 609316861
Conc: 757.06 ng/ml



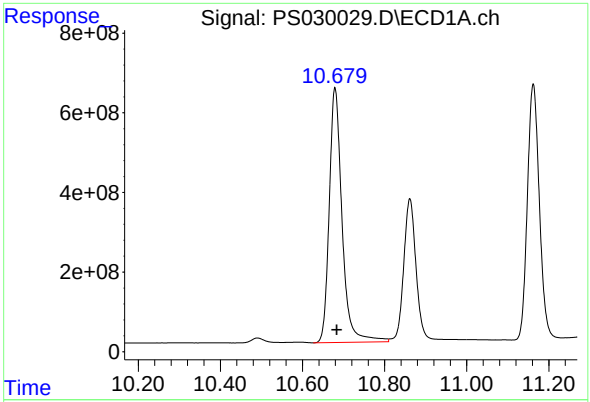
#14 DINOSEB

R.T.: 10.861 min
Delta R.T.: -0.004 min
Response: 7541611717
Conc: 741.30 ng/ml



#14 DINOSEB

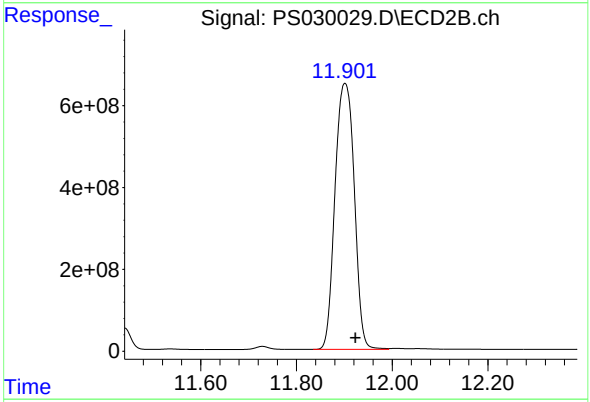
R.T.: 10.865 min
Delta R.T.: -0.016 min
Response: 4394315725
Conc: 753.62 ng/ml



#15 Picloram

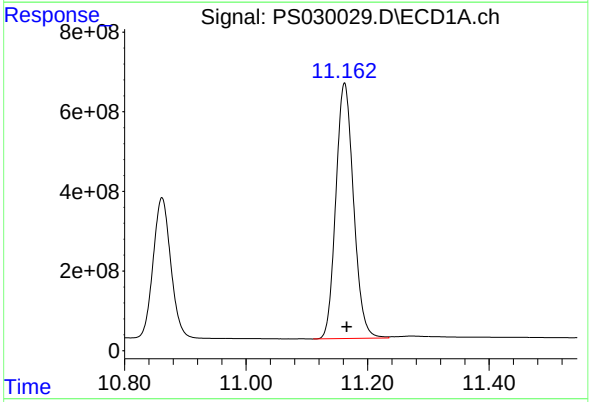
R.T.: 10.679 min
Delta R.T.: -0.004 min
Response: 13895378925
Conc: 758.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



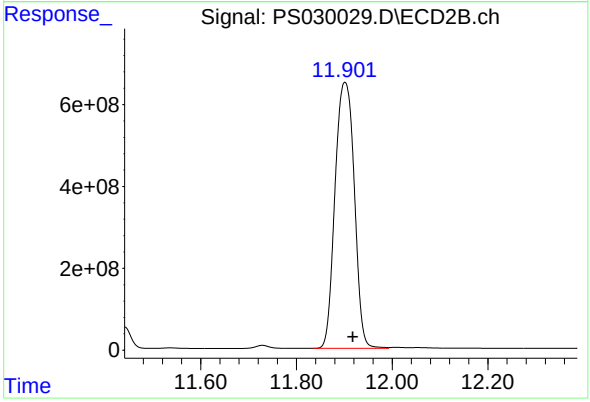
#15 Picloram

R.T.: 11.901 min
Delta R.T.: -0.022 min
Response: 18196986696
Conc: 1481.40 ng/ml



#16 DCPA

R.T.: 11.162 min
Delta R.T.: -0.004 min
Response: 12980066848
Conc: 762.59 ng/ml



#16 DCPA

R.T.: 11.901 min
Delta R.T.: -0.016 min
Response: 18196986696
Conc: 1614.40 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 13:47
Operator : AR\AJ
Sample : PB167796BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167796BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.937	7.461	1303.7E6	380.1E6	529.742	539.538
	Target Compounds						
1) T	Dalapon	2.449	2.523	2026.9E6	836.0E6	494.933	481.542
2) T	3,5-DICHL...	6.142	6.459	1748.8E6	487.0E6	489.353	498.167
3) T	4-Nitroph...	6.728	6.996	852.1E6	376.7E6	477.797	491.891
5) T	DICAMBA	7.114	7.647	4939.4E6	2039.7E6	498.784	516.364
6) T	MCPP	7.292	7.753	295.3E6	80604259	45.824	46.087
7) T	MCPA	7.434	7.983	412.6E6	112.5E6	46.719	47.564
8) T	DICHLORPROP	7.794	8.340	1243.9E6	517.9E6	490.874	515.829
9) T	2,4-D	8.014	8.653	1407.4E6	573.8E6	500.356	509.096
10) T	Pentachlo...	8.292	9.154	18046.0E6	10930.7E6	517.300	537.274
11) T	2,4,5-TP ...	8.856	9.532	7064.9E6	4305.5E6	509.626	526.230
12) T	2,4,5-T	9.138	9.936	7219.0E6	4034.3E6	513.694	519.714
13) T	2,4-DB	9.697	10.495	1180.4E6	404.5E6	516.485	502.607
14) T	DINOSEB	10.859	10.868	5116.9E6	2968.0E6	502.969	509.004
15) T	Picloram	10.678	11.903	9032.0E6	11894.2E6	492.728	968.299 #
16) T	DCPA	11.160	11.903	8804.0E6	11894.2E6	517.242	1055.234 #

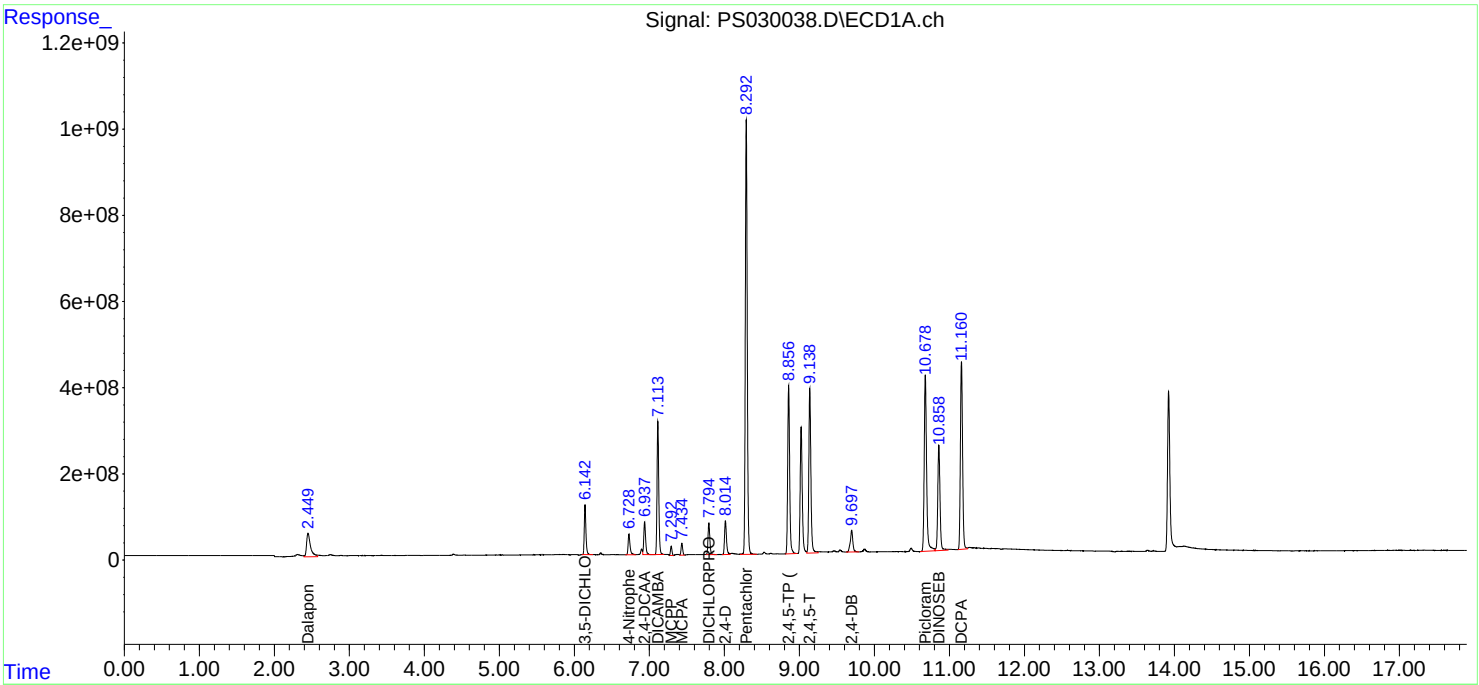
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

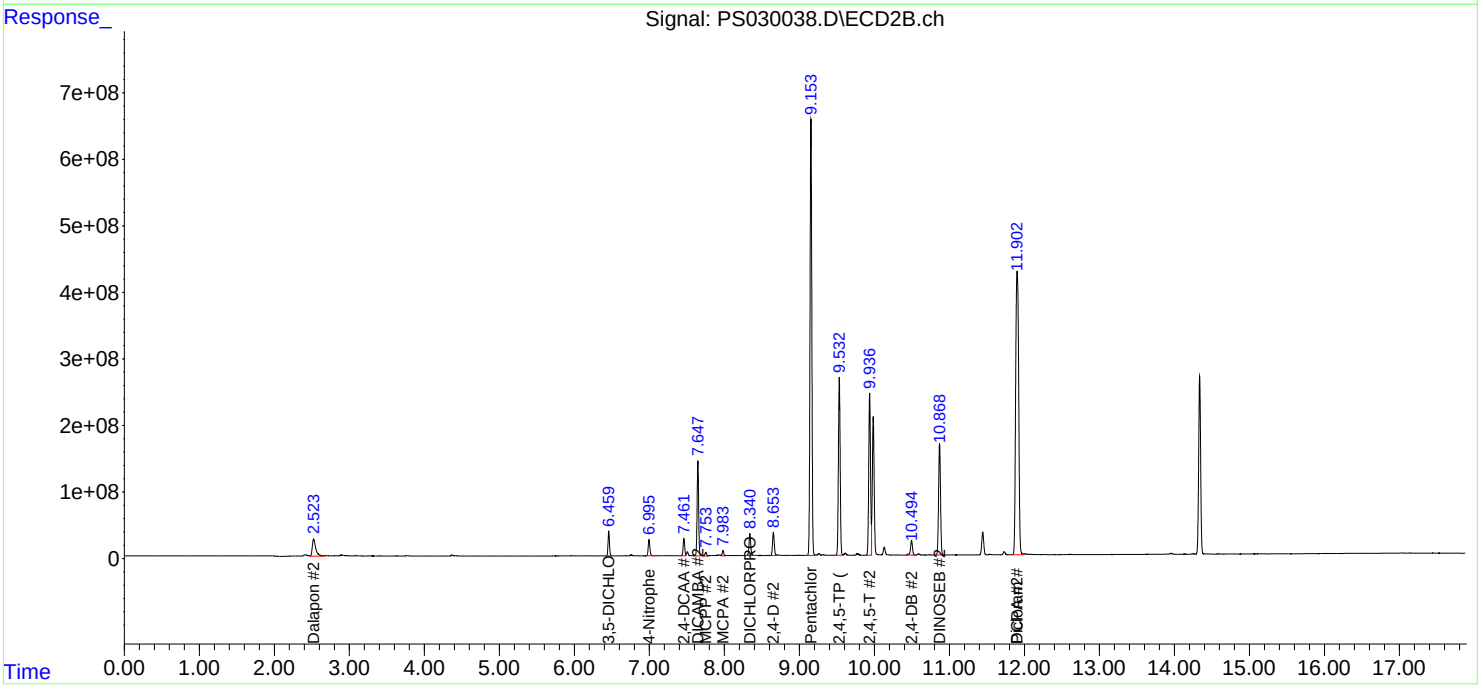
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 13:47
Operator : AR\AJ
Sample : PB167796BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

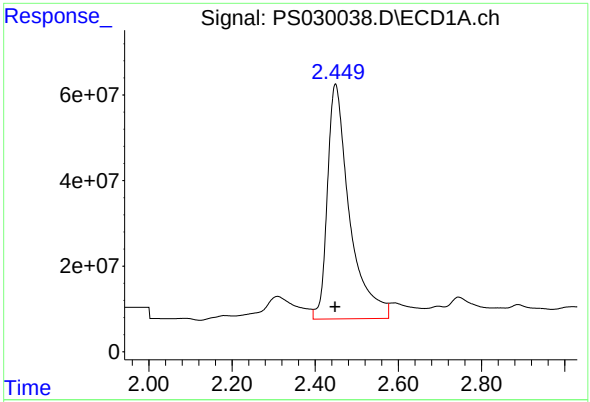
Instrument :
ECD_S
ClientSampleId :
PB167796BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



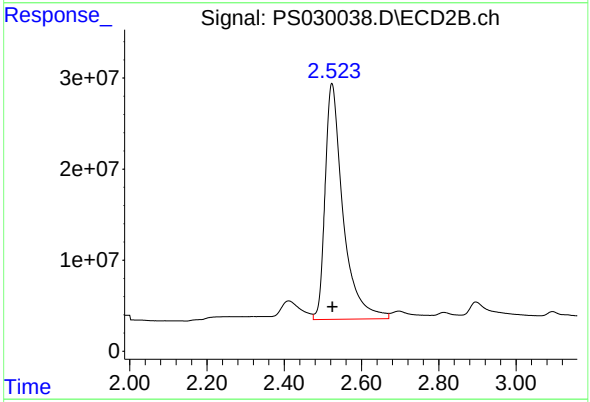




#1 Dalapon

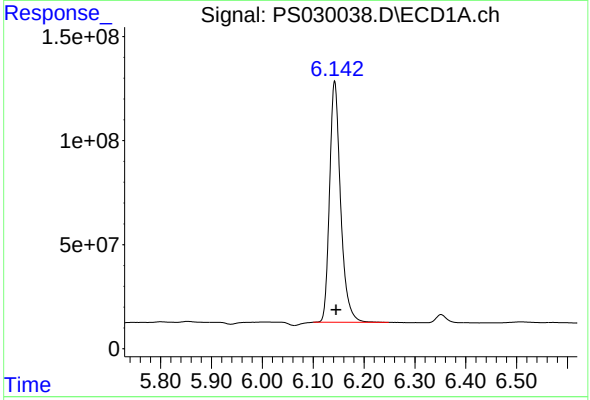
R.T.: 2.449 min
Delta R.T.: 0.000 min
Response: 2026876943
Conc: 494.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS



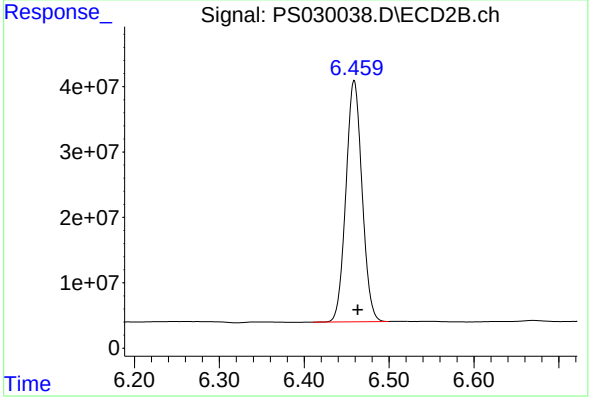
#1 Dalapon

R.T.: 2.523 min
Delta R.T.: -0.001 min
Response: 836026719
Conc: 481.54 ng/ml



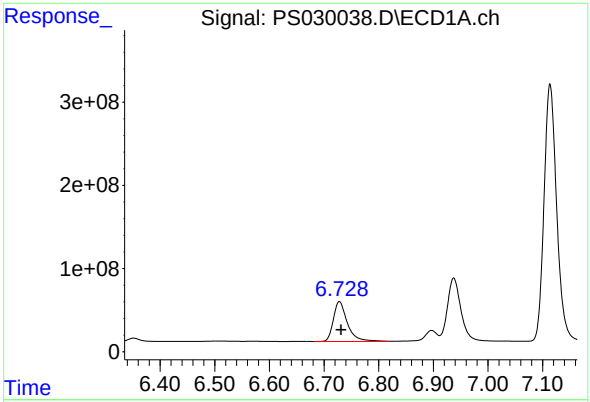
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.142 min
Delta R.T.: -0.003 min
Response: 1748841469
Conc: 489.35 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

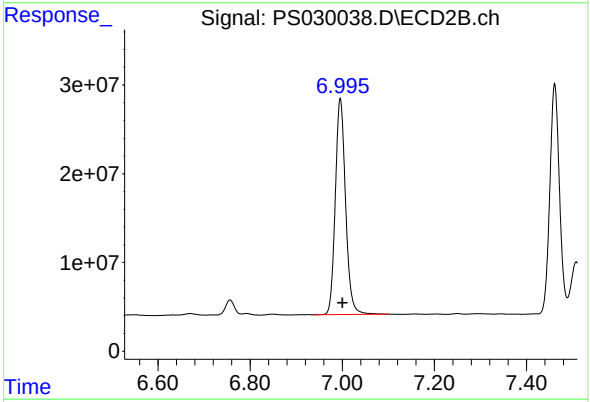
R.T.: 6.459 min
Delta R.T.: -0.004 min
Response: 486997904
Conc: 498.17 ng/ml



#3 4-Nitrophenol

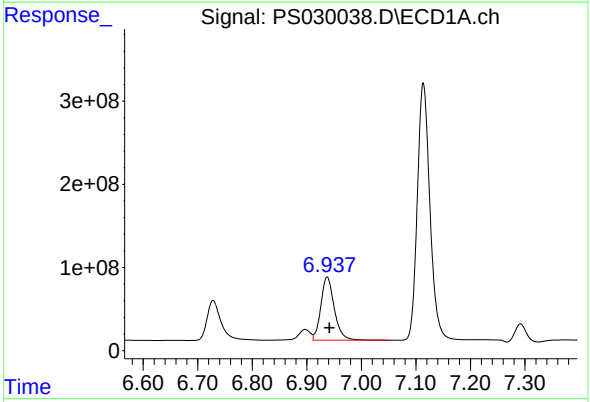
R.T.: 6.728 min
Delta R.T.: -0.003 min
Response: 852065133
Conc: 477.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS



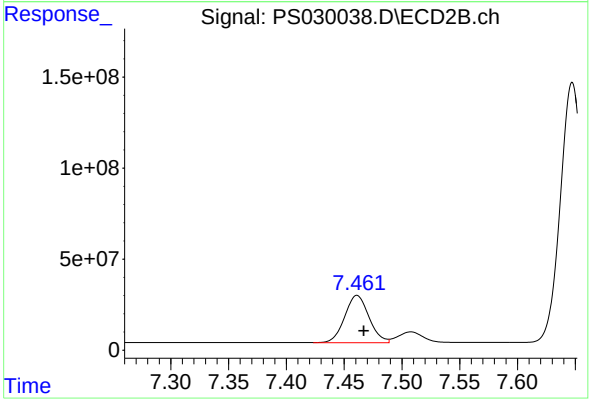
#3 4-Nitrophenol

R.T.: 6.996 min
Delta R.T.: -0.005 min
Response: 376749767
Conc: 491.89 ng/ml



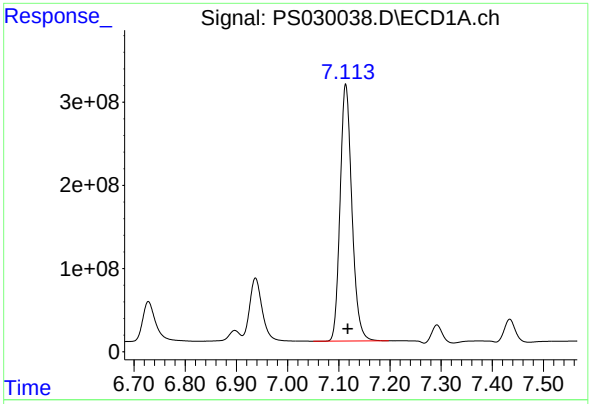
#4 2,4-DCAA

R.T.: 6.937 min
Delta R.T.: -0.004 min
Response: 1303737946
Conc: 529.74 ng/ml



#4 2,4-DCAA

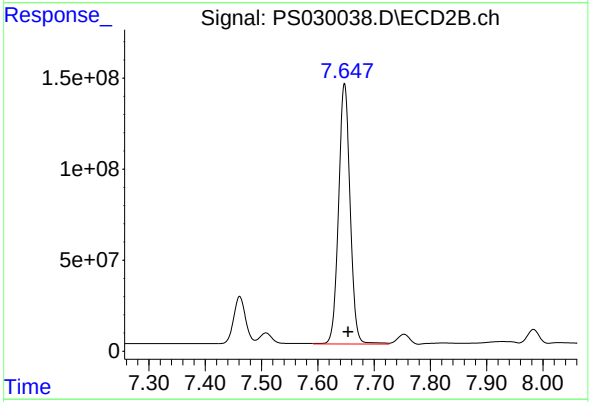
R.T.: 7.461 min
Delta R.T.: -0.006 min
Response: 380113891
Conc: 539.54 ng/ml



#5 DICAMBA

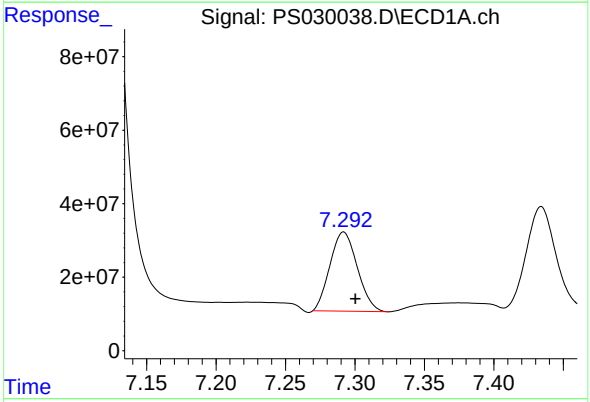
R.T.: 7.114 min
Delta R.T.: -0.004 min
Response: 4939392609
Conc: 498.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS



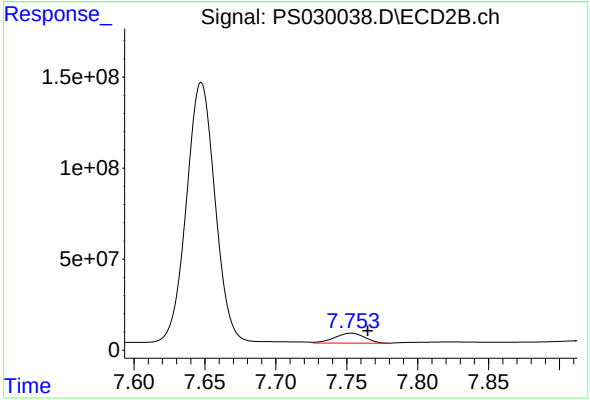
#5 DICAMBA

R.T.: 7.647 min
Delta R.T.: -0.006 min
Response: 2039671767
Conc: 516.36 ng/ml



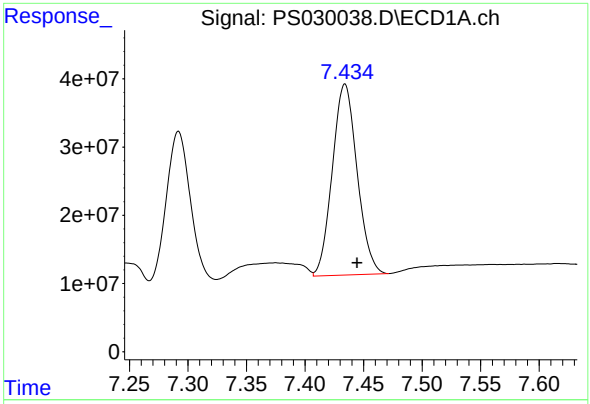
#6 MCPP

R.T.: 7.292 min
Delta R.T.: -0.008 min
Response: 295272711
Conc: 45.82 ug/ml



#6 MCPP

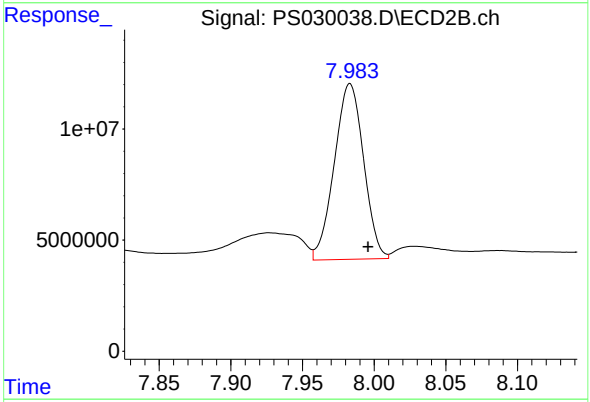
R.T.: 7.753 min
Delta R.T.: -0.012 min
Response: 80604259
Conc: 46.09 ug/ml



#7 MCPA

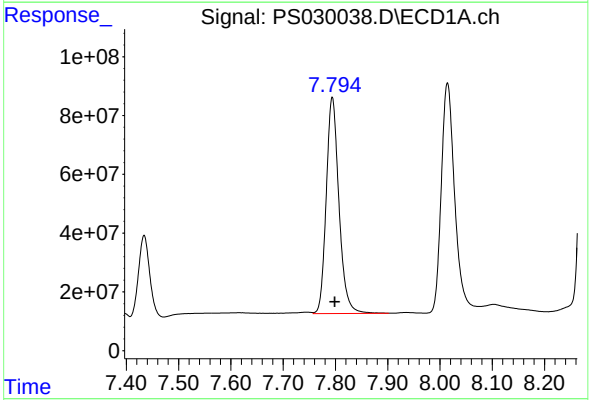
R.T.: 7.434 min
Delta R.T.: -0.010 min
Response: 412595382
Conc: 46.72 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS



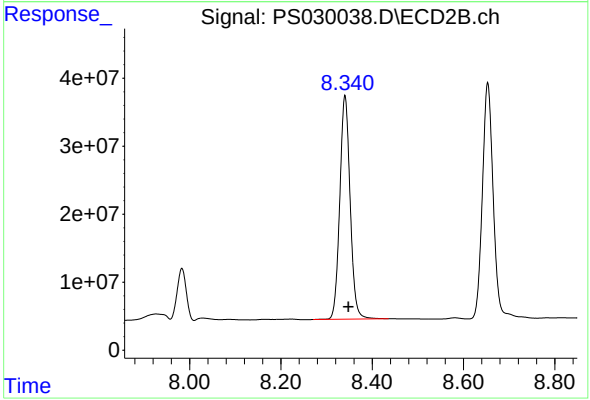
#7 MCPA

R.T.: 7.983 min
Delta R.T.: -0.013 min
Response: 112526574
Conc: 47.56 ug/ml



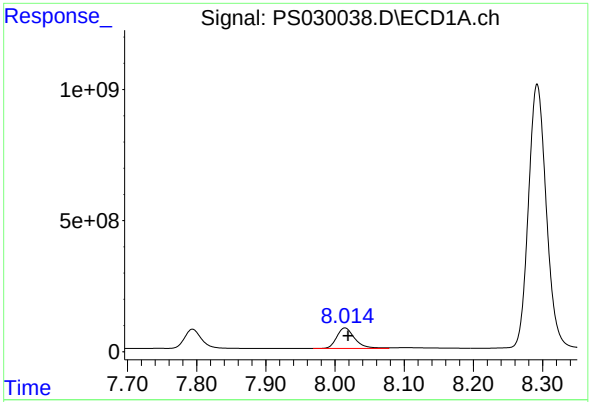
#8 DICHLORPROP

R.T.: 7.794 min
Delta R.T.: -0.005 min
Response: 1243928182
Conc: 490.87 ng/ml



#8 DICHLORPROP

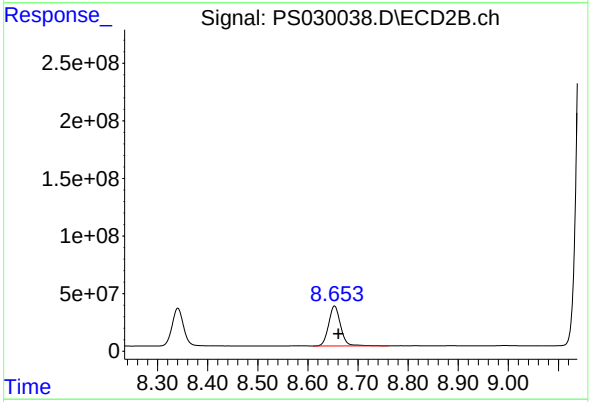
R.T.: 8.340 min
Delta R.T.: -0.007 min
Response: 517874081
Conc: 515.83 ng/ml



#9 2,4-D

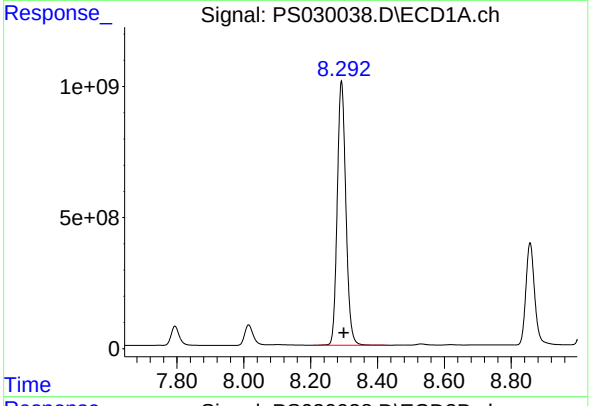
R.T.: 8.014 min
Delta R.T.: -0.004 min
Response: 1407438073
Conc: 500.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS



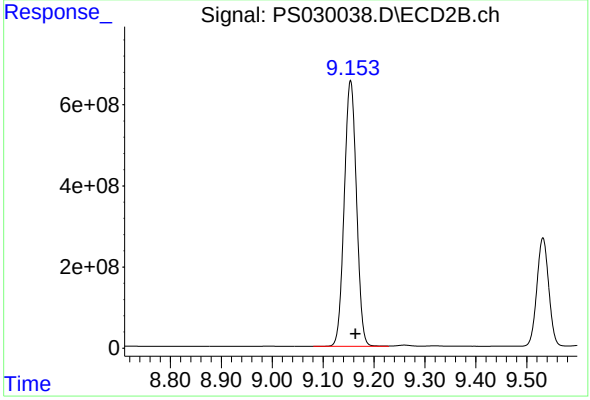
#9 2,4-D

R.T.: 8.653 min
Delta R.T.: -0.008 min
Response: 573806176
Conc: 509.10 ng/ml



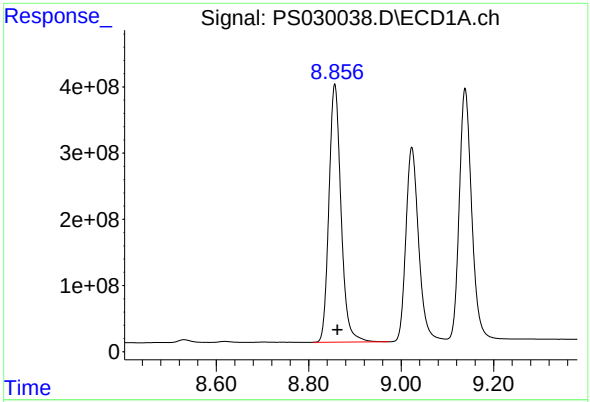
#10 Pentachlorophenol

R.T.: 8.292 min
Delta R.T.: -0.008 min
Response: 18046010957
Conc: 517.30 ng/ml



#10 Pentachlorophenol

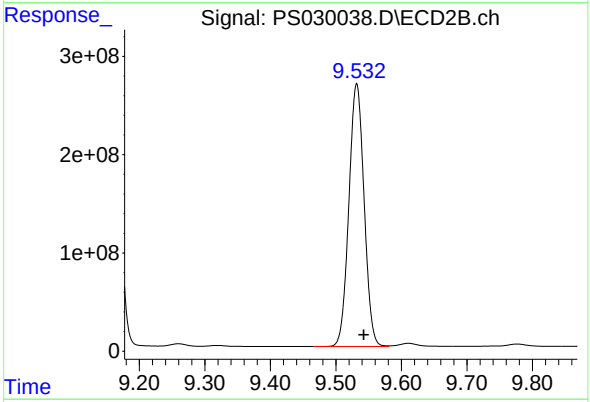
R.T.: 9.154 min
Delta R.T.: -0.010 min
Response: 10930731101
Conc: 537.27 ng/ml



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

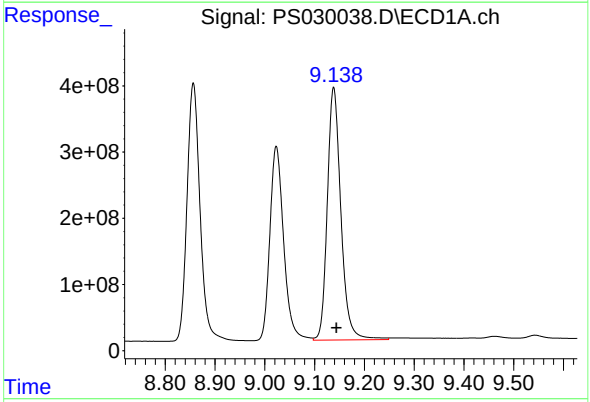
R.T.: 8.856 min
Delta R.T.: -0.006 min
Response: 7064866109
Conc: 509.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS



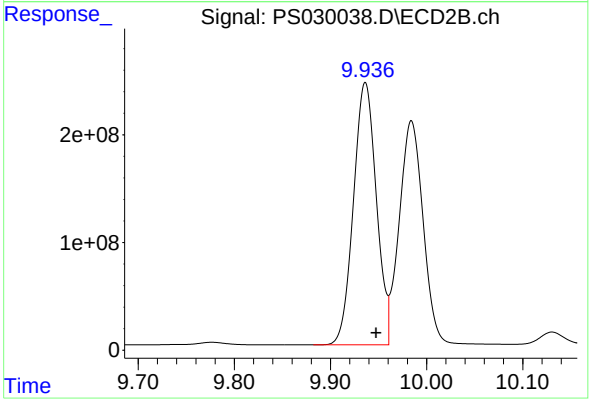
#11 2,4,5-TP (SILVEX)

R.T.: 9.532 min
Delta R.T.: -0.011 min
Response: 4305484681
Conc: 526.23 ng/ml



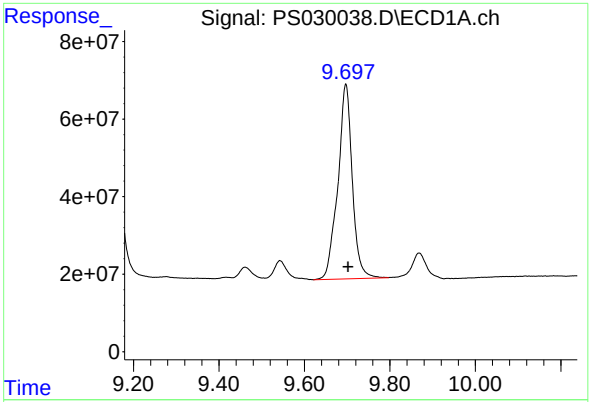
#12 2,4,5-T

R.T.: 9.138 min
Delta R.T.: -0.006 min
Response: 7218996712
Conc: 513.69 ng/ml



#12 2,4,5-T

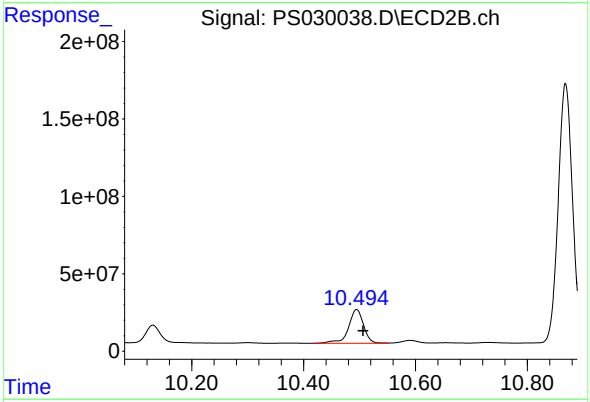
R.T.: 9.936 min
Delta R.T.: -0.011 min
Response: 4034329145
Conc: 519.71 ng/ml



#13 2,4-DB

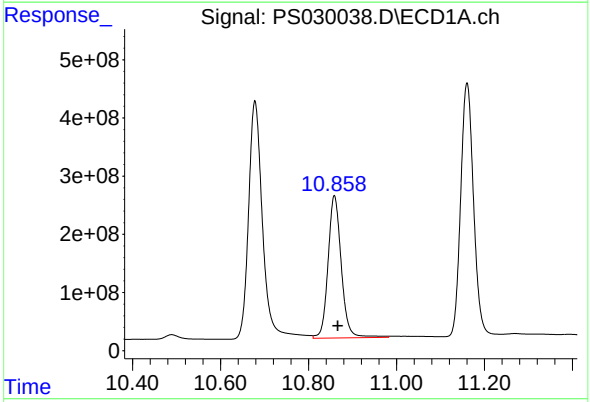
R.T.: 9.697 min
Delta R.T.: -0.005 min
Response: 1180351095
Conc: 516.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS



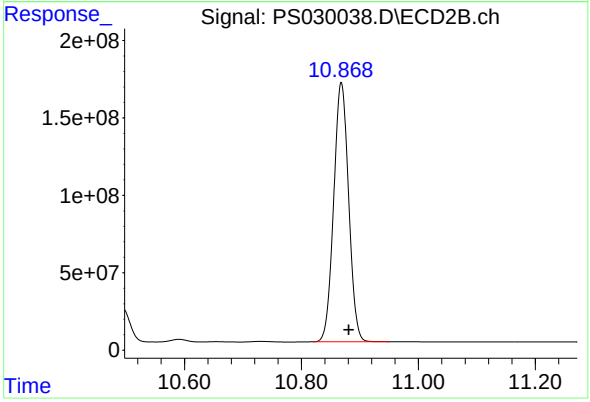
#13 2,4-DB

R.T.: 10.495 min
Delta R.T.: -0.012 min
Response: 404519772
Conc: 502.61 ng/ml



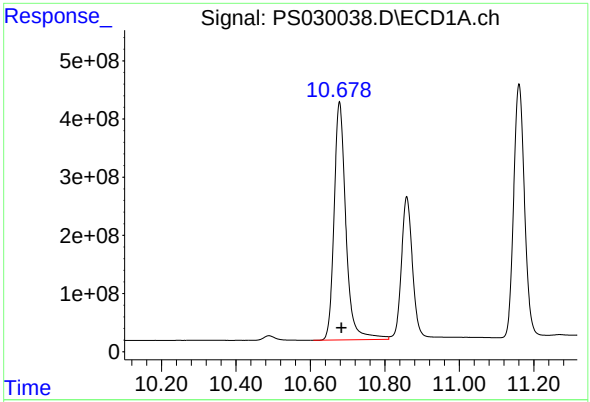
#14 DINOSEB

R.T.: 10.859 min
Delta R.T.: -0.007 min
Response: 5116917707
Conc: 502.97 ng/ml



#14 DINOSEB

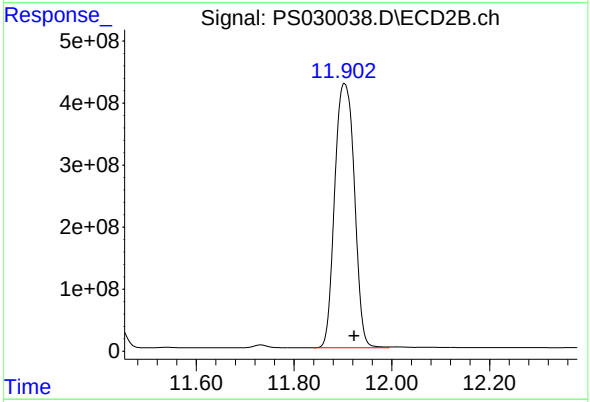
R.T.: 10.868 min
Delta R.T.: -0.013 min
Response: 2967993353
Conc: 509.00 ng/ml



#15 Picloram

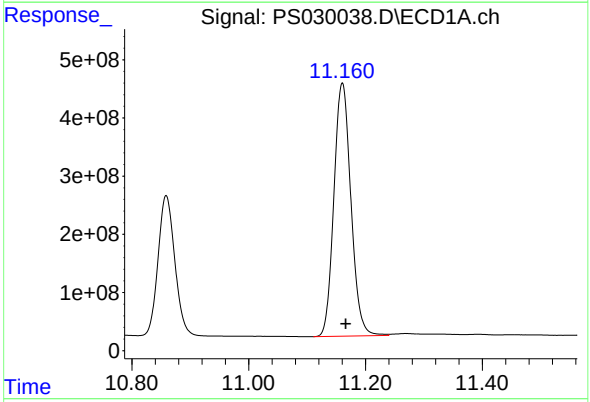
R.T.: 10.678 min
Delta R.T.: -0.005 min
Response: 9032014243
Conc: 492.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167796BS



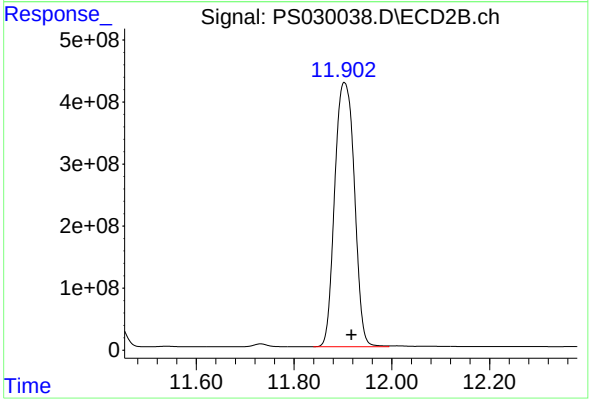
#15 Picloram

R.T.: 11.903 min
Delta R.T.: -0.020 min
Response: 11894233948
Conc: 968.30 ng/ml



#16 DCPA

R.T.: 11.160 min
Delta R.T.: -0.006 min
Response: 8803982200
Conc: 517.24 ng/ml



#16 DCPA

R.T.: 11.903 min
Delta R.T.: -0.015 min
Response: 11894233948
Conc: 1055.23 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 16:41
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: May 06 01:40:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.936	7.455	1774.9E6	519.6E6	721.191	737.501
	Target Compounds						
1) T	Dalapon	2.445	2.516	2952.4E6	1171.6E6	720.926	674.830
2) T	3,5-DICHL...	6.141	6.453	2409.7E6	672.1E6	674.261	687.519
3) T	4-Nitroph...	6.727	6.989	1181.1E6	497.0E6	662.301	648.827
5) T	DICAMBA	7.114	7.642	6817.6E6	2886.7E6	688.443	730.789
6) T	MCPP	7.292	7.748	422.5E6	110.6E6	65.574	63.223
7) T	MCPA	7.435	7.979	581.0E6	149.4E6	65.784	63.137
8) T	DICHLORPROP	7.794	8.335	1709.9E6	711.0E6	674.770	708.151
9) T	2,4-D	8.014	8.648	1935.2E6	785.2E6	687.965	696.646
10) T	Pentachlo...	8.292	9.149	24554.7E6	15042.3E6	703.874	739.367
11) T	2,4,5-TP ...	8.857	9.527	9759.5E6	5967.9E6	704.004	729.413
12) T	2,4,5-T	9.139	9.932	9937.7E6	5585.4E6	707.156	719.532
13) T	2,4-DB	9.699	10.490	1639.3E6	557.8E6	717.316	693.045
14) T	DINOSEB	10.861	10.864	7113.6E6	4063.2E6	699.237	696.838
15) T	Picloram	10.680	11.902	13035.9E6	16973.2E6	711.154	1381.772 #
16) T	DCPA	11.162	11.902	12175.4E6	16973.2E6	715.318	1505.830 #

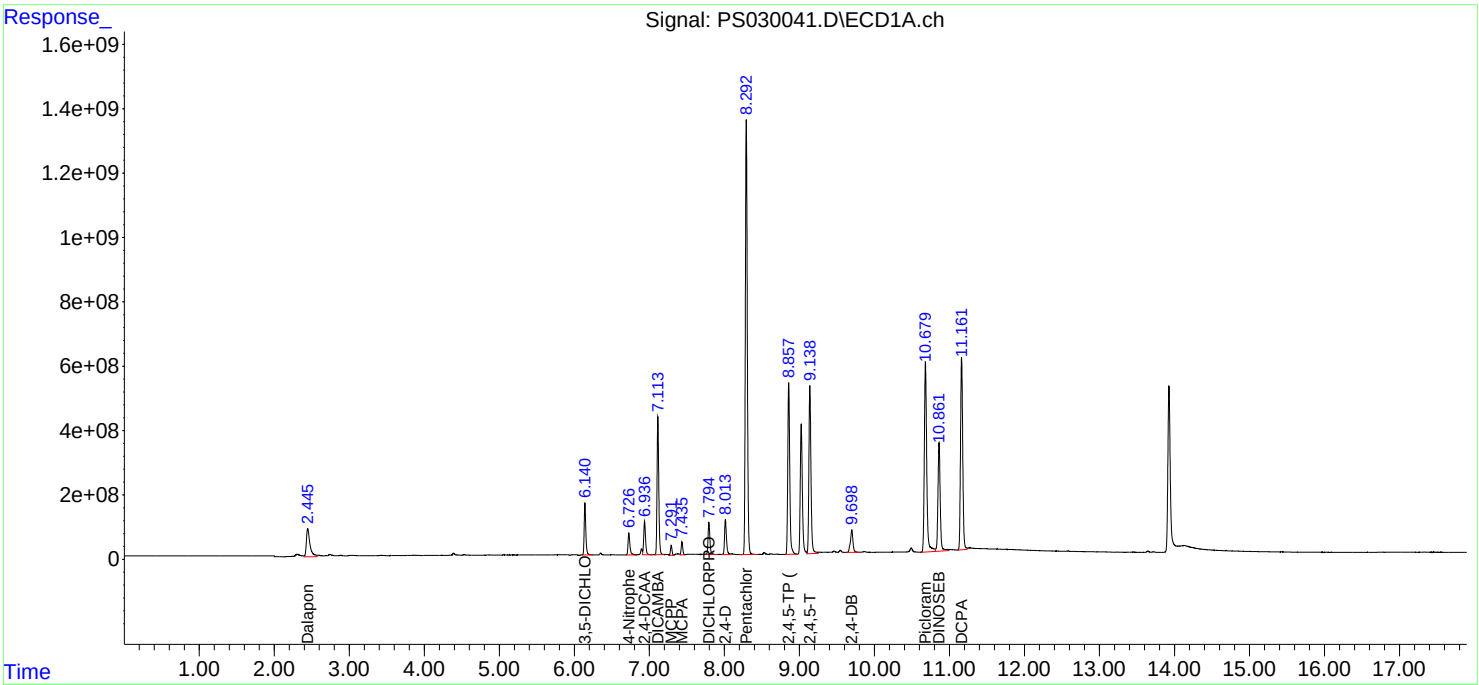
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

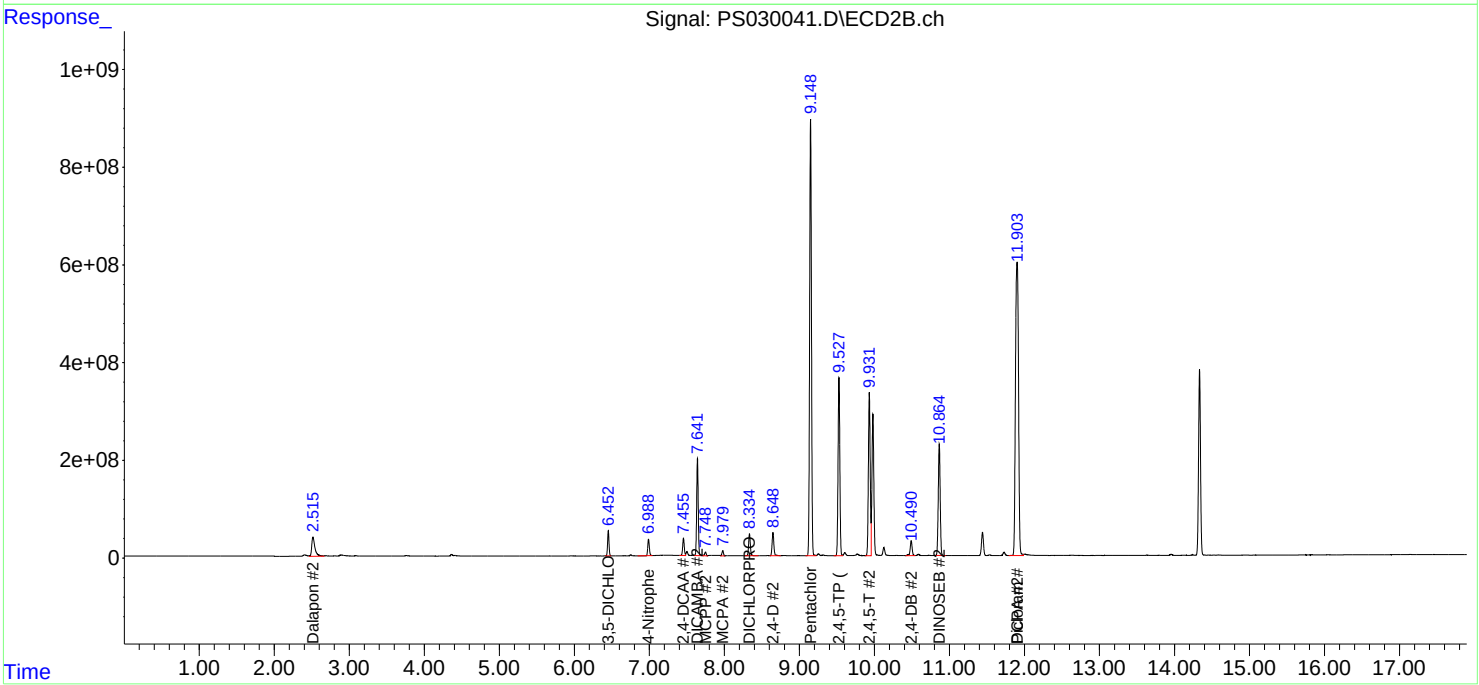
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS050525\
Data File : PS030041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 16:41
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

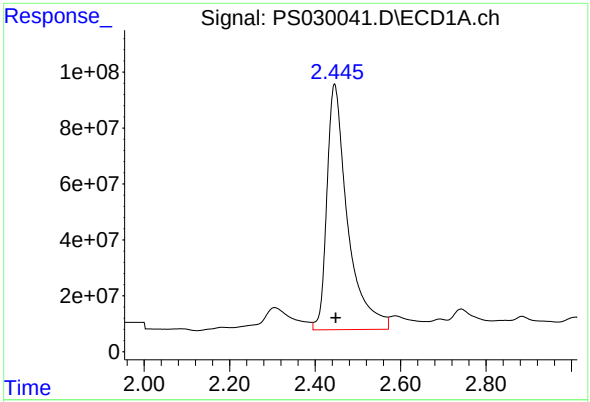
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:40:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS042325.M
Quant Title : 8080.M
QLast Update : Wed Apr 23 12:57:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



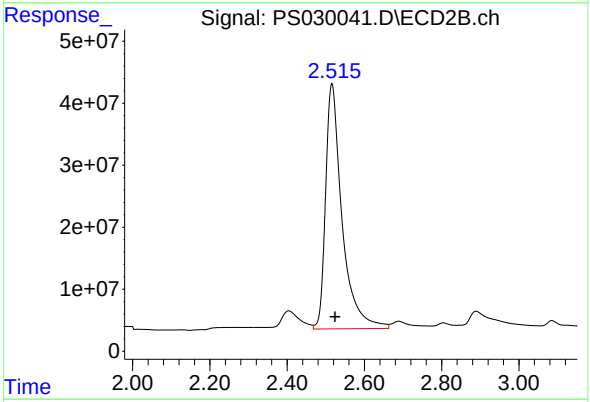




#1 Dalapon

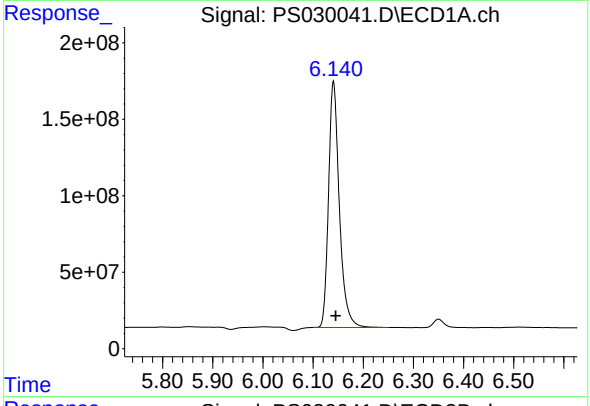
R.T.: 2.445 min
Delta R.T.: -0.003 min
Response: 2952377655
Conc: 720.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



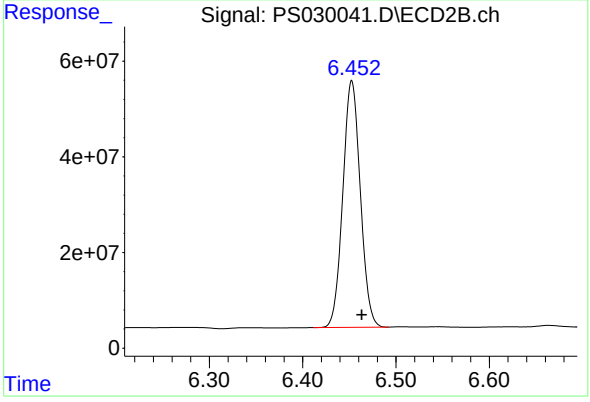
#1 Dalapon

R.T.: 2.516 min
Delta R.T.: -0.009 min
Response: 1171602771
Conc: 674.83 ng/ml



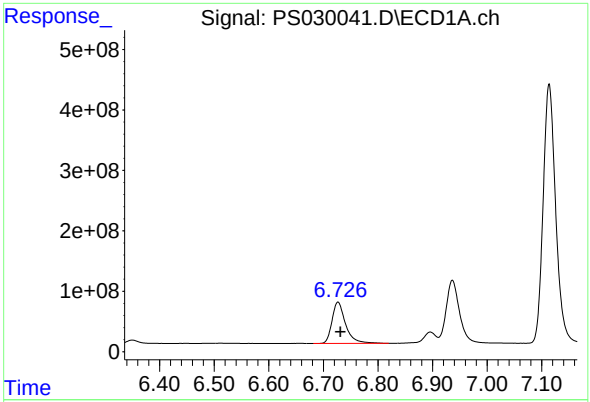
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.141 min
Delta R.T.: -0.005 min
Response: 2409663155
Conc: 674.26 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

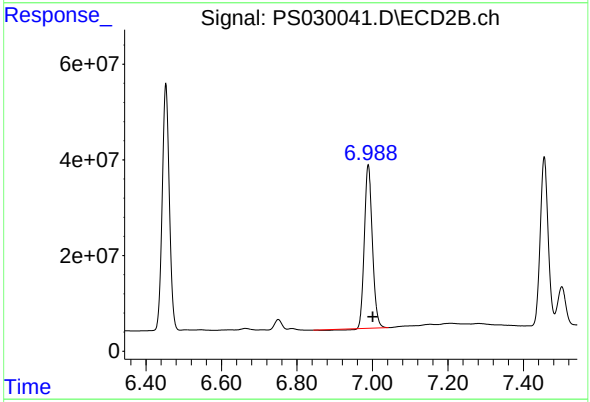
R.T.: 6.453 min
Delta R.T.: -0.010 min
Response: 672104770
Conc: 687.52 ng/ml



#3 4-Nitrophenol

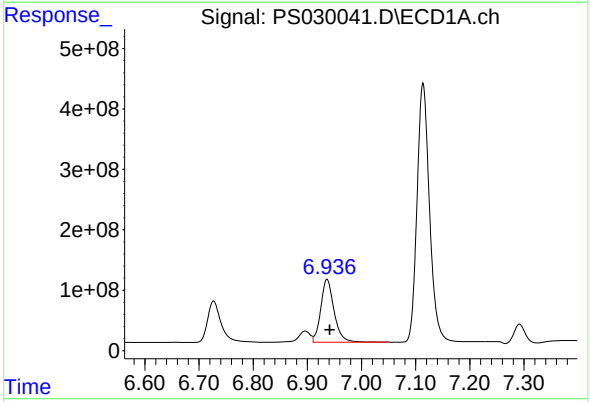
R.T.: 6.727 min
Delta R.T.: -0.005 min
Response: 1181094054
Conc: 662.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



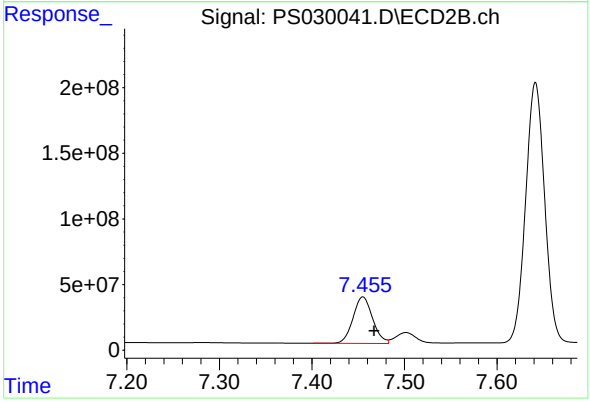
#3 4-Nitrophenol

R.T.: 6.989 min
Delta R.T.: -0.012 min
Response: 496950659
Conc: 648.83 ng/ml



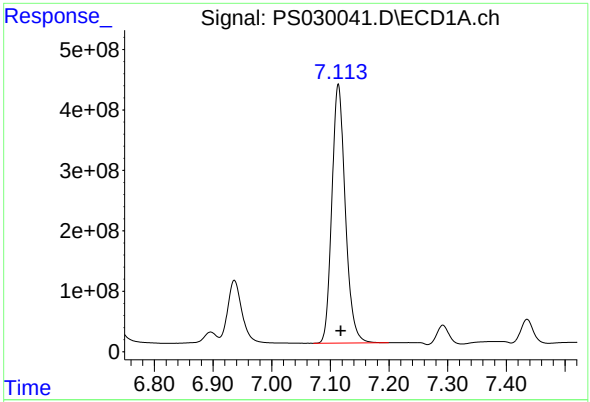
#4 2,4-DCAA

R.T.: 6.936 min
Delta R.T.: -0.005 min
Response: 1774908871
Conc: 721.19 ng/ml



#4 2,4-DCAA

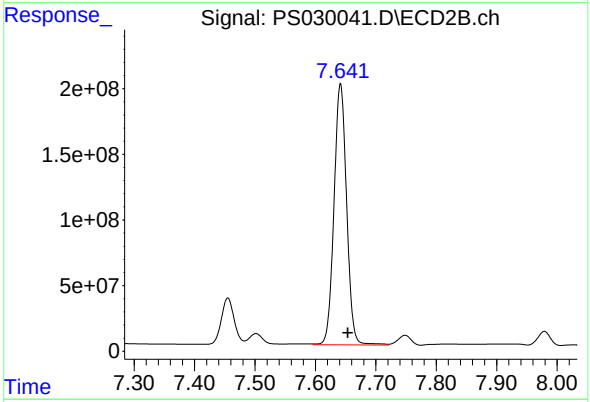
R.T.: 7.455 min
Delta R.T.: -0.012 min
Response: 519581780
Conc: 737.50 ng/ml



#5 DICAMBA

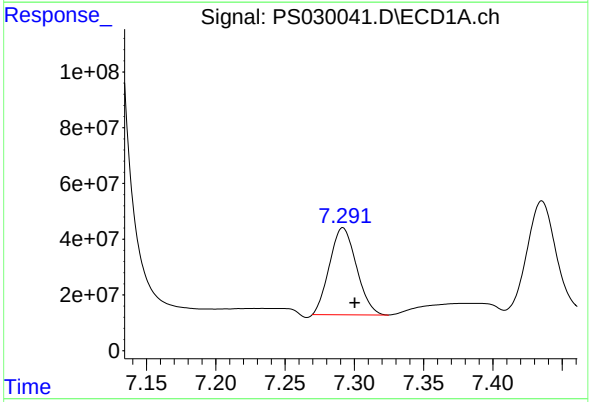
R.T.: 7.114 min
Delta R.T.: -0.004 min
Response: 6817562025
Conc: 688.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



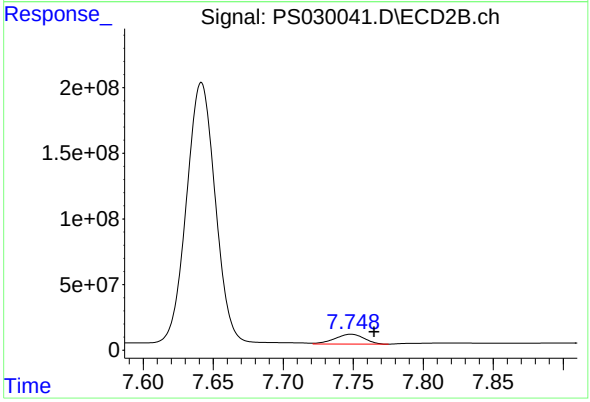
#5 DICAMBA

R.T.: 7.642 min
Delta R.T.: -0.012 min
Response: 2886665237
Conc: 730.79 ng/ml



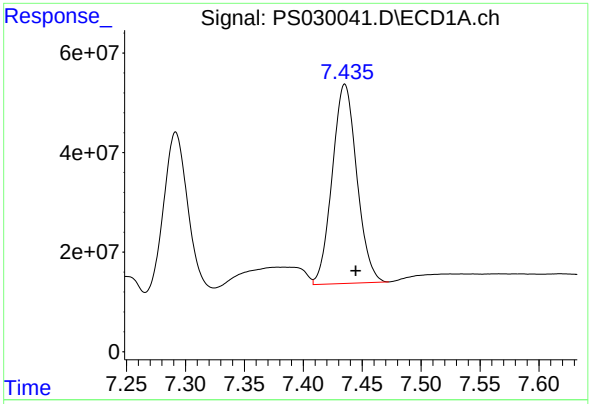
#6 MCPP

R.T.: 7.292 min
Delta R.T.: -0.009 min
Response: 422534047
Conc: 65.57 ug/ml



#6 MCPP

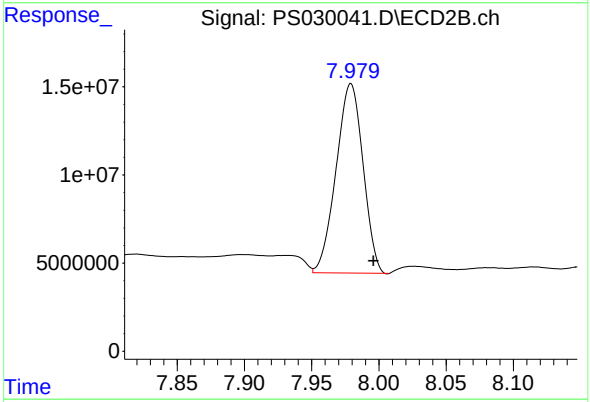
R.T.: 7.748 min
Delta R.T.: -0.016 min
Response: 110573744
Conc: 63.22 ug/ml



#7 MCPA

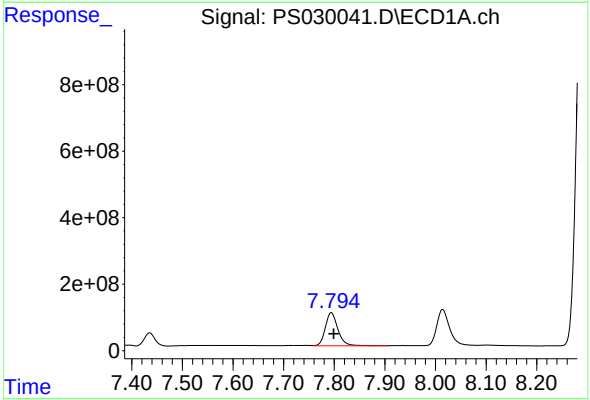
R.T.: 7.435 min
Delta R.T.: -0.009 min
Response: 580958132
Conc: 65.78 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



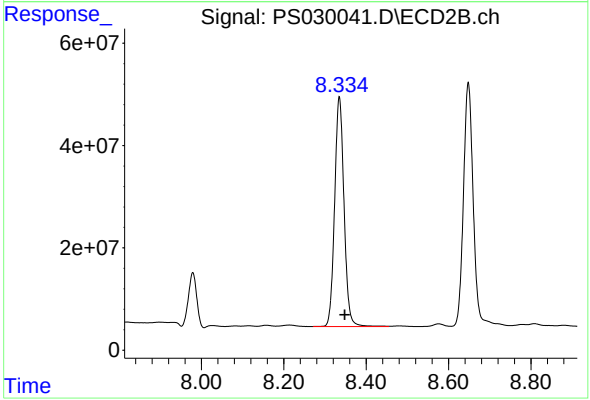
#7 MCPA

R.T.: 7.979 min
Delta R.T.: -0.017 min
Response: 149368796
Conc: 63.14 ug/ml



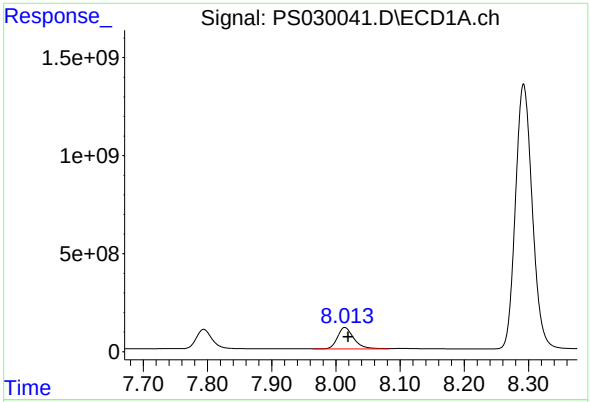
#8 DICHLORPROP

R.T.: 7.794 min
Delta R.T.: -0.005 min
Response: 1709939199
Conc: 674.77 ng/ml



#8 DICHLORPROP

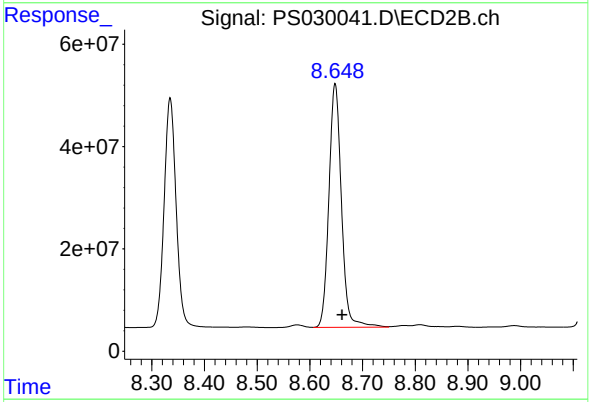
R.T.: 8.335 min
Delta R.T.: -0.013 min
Response: 710958723
Conc: 708.15 ng/ml



#9 2,4-D

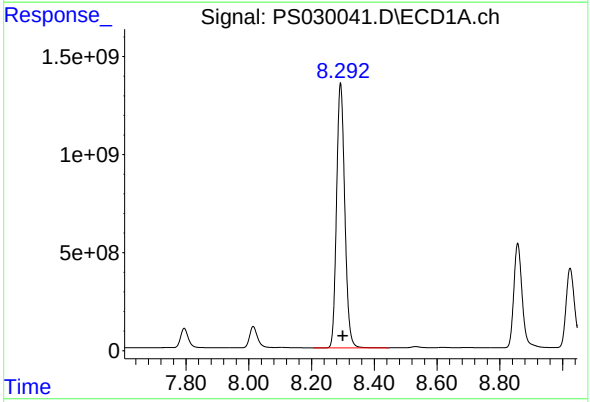
R.T.: 8.014 min
Delta R.T.: -0.005 min
Response: 1935157953
Conc: 687.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



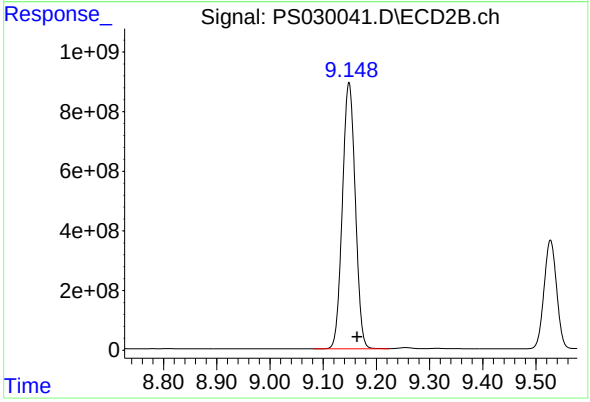
#9 2,4-D

R.T.: 8.648 min
Delta R.T.: -0.013 min
Response: 785195057
Conc: 696.65 ng/ml



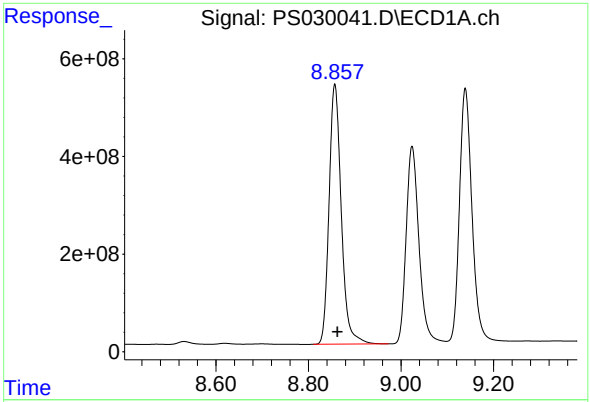
#10 Pentachlorophenol

R.T.: 8.292 min
Delta R.T.: -0.007 min
Response: 24554651193
Conc: 703.87 ng/ml



#10 Pentachlorophenol

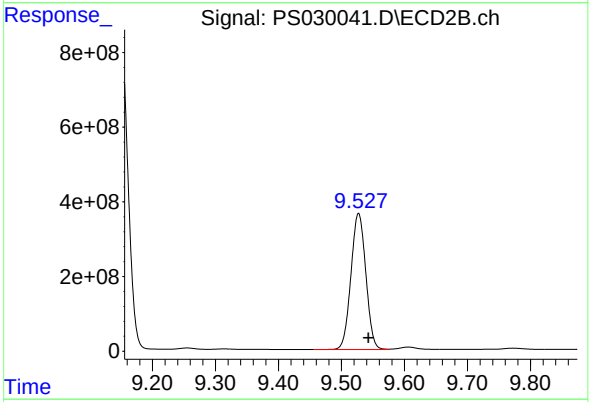
R.T.: 9.149 min
Delta R.T.: -0.015 min
Response: 15042285138
Conc: 739.37 ng/ml



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

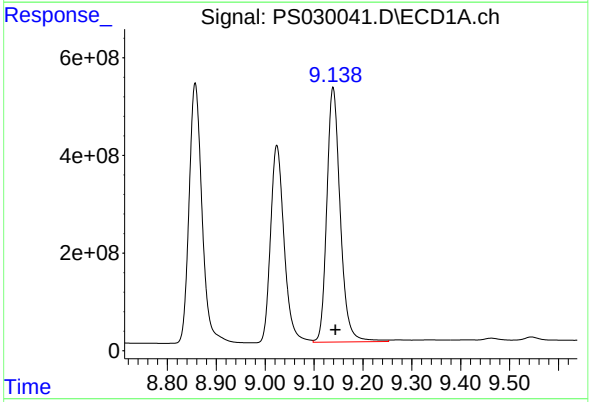
R.T.: 8.857 min
Delta R.T.: -0.005 min
Response: 9759498519
Conc: 704.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



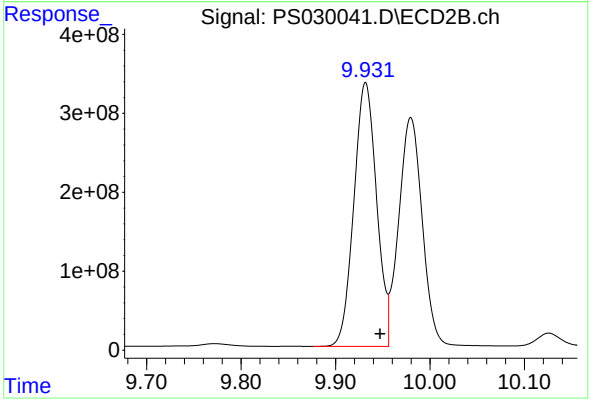
#11 2,4,5-TP (SILVEX)

R.T.: 9.527 min
Delta R.T.: -0.015 min
Response: 5967877580
Conc: 729.41 ng/ml



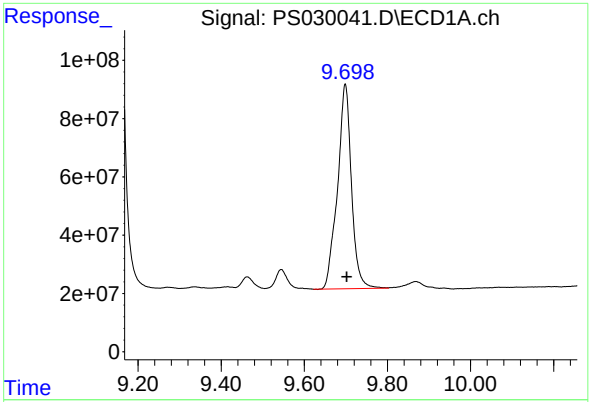
#12 2,4,5-T

R.T.: 9.139 min
Delta R.T.: -0.005 min
Response: 9937744206
Conc: 707.16 ng/ml



#12 2,4,5-T

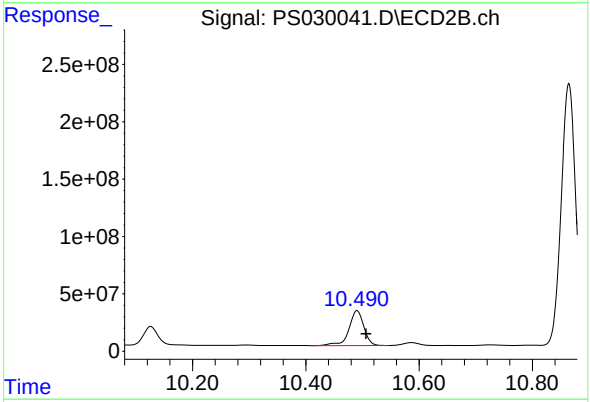
R.T.: 9.932 min
Delta R.T.: -0.015 min
Response: 5585441010
Conc: 719.53 ng/ml



#13 2,4-DB

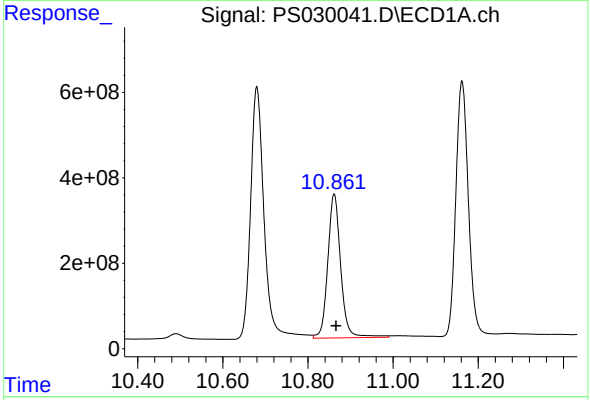
R.T.: 9.699 min
Delta R.T.: -0.003 min
Response: 1639322217
Conc: 717.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



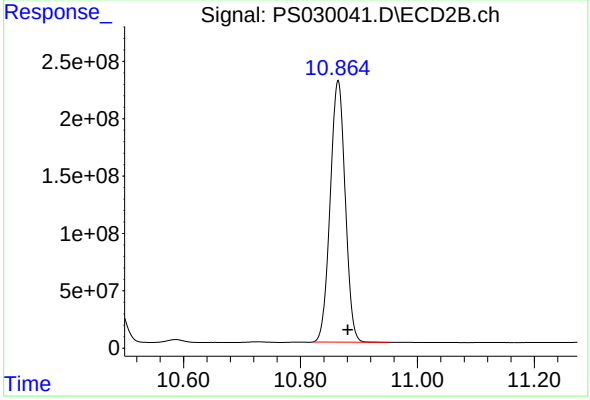
#13 2,4-DB

R.T.: 10.490 min
Delta R.T.: -0.016 min
Response: 557791820
Conc: 693.04 ng/ml



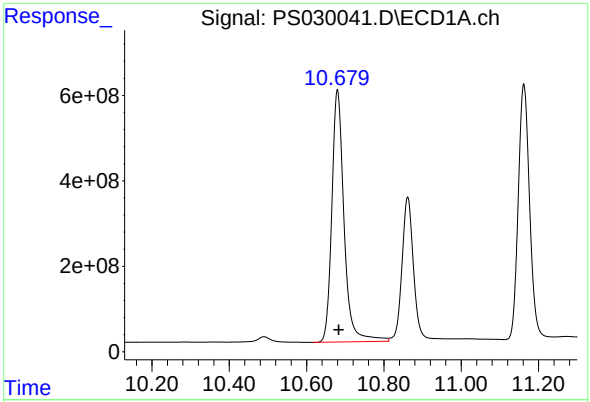
#14 DINOSEB

R.T.: 10.861 min
Delta R.T.: -0.004 min
Response: 7113634891
Conc: 699.24 ng/ml



#14 DINOSEB

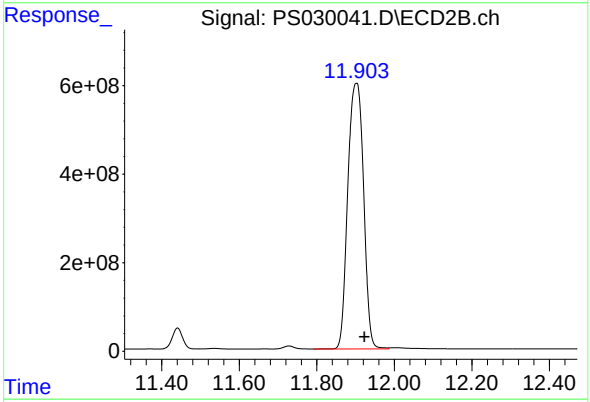
R.T.: 10.864 min
Delta R.T.: -0.017 min
Response: 4063249852
Conc: 696.84 ng/ml



#15 Picloram

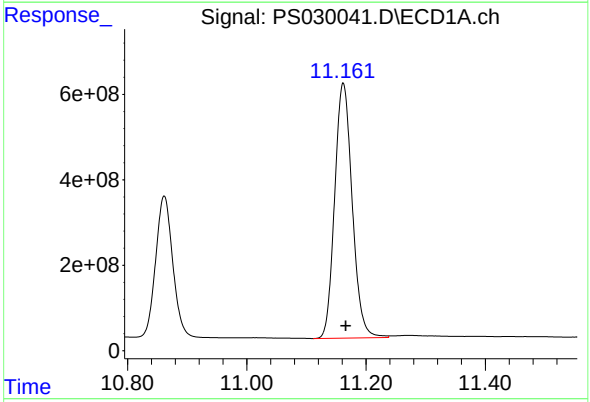
R.T.: 10.680 min
Delta R.T.: -0.004 min
Response: 13035887532
Conc: 711.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



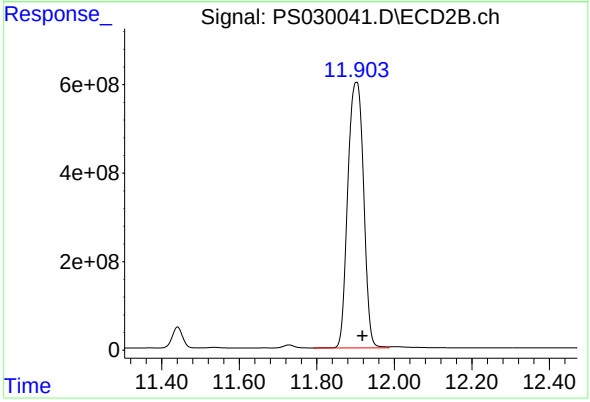
#15 Picloram

R.T.: 11.902 min
Delta R.T.: -0.021 min
Response: 16973196390
Conc: 1381.77 ng/ml



#16 DCPA

R.T.: 11.162 min
Delta R.T.: -0.004 min
Response: 12175434673
Conc: 715.32 ng/ml



#16 DCPA

R.T.: 11.902 min
Delta R.T.: -0.016 min
Response: 16973196390
Conc: 1505.83 ng/ml