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Cover Page

Order ID : Q2638

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2638-01	OU4-TS-31-071725
Q2638-02	OU4-TS-31-071725
Q2638-03	OU4-TS-32-071725
Q2638-04	OU4-TS-32-071725
Q2638-05	OU4-TS-33-071725
Q2638-06	OU4-TS-33-071725
Q2638-07	OU4-TS-34-071725
Q2638-08	OU4-TS-34-071725
Q2638-09	OU4-TS-35-071725
Q2638-10	OU4-TS-35-071725
Q2638-11	OU4-TS-36-071725
Q2638-12	OU4-TS-36-071725
Q2638-13	OU4-TS-37-071725
Q2638-14	OU4-TS-37-071725

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: 7/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2638
Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 07/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Herbicide Group1. This data package contains results for Herbicide Group1.

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

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

The MS {Q2638-11MS} with File ID: PS031224.D recoveries met the requirements for all compounds except for [Dalapon(1)30%], [Dinoseb(1)0% - Dinoseb(2)0%]due to matrix interference.

The MSD {Q2638-11MSD} with File ID: PS031225.D recoveries met the requirements for all compounds except for [Dalapon(1)30%], [Dinoseb(1)0% - Dinoseb(2)0%]due to matrix interference.

The sample # OU4-TS-36-071725MS and OU4-TS-36-071725MSD is failing for Dalapon, Dinoseb and the original sample(OU4-TS-36-071725) is reported with M flag for this compounds.

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

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2638 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.			✓
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 {Q2638-11MS} with File ID: PS031224.D recoveries met the requirements for all compounds except for [Dalapon(1)30%], [Dinoseb(1)0% - Dinoseb(2)0%]due to matrix interference. The MSD {Q2638-11MSD} with File ID: PS031225.D recoveries met the requirements for all compounds except for [Dalapon(1)30%], [Dinoseb(1)0% - Dinoseb(2)0%]due to matrix interference. The sample # OU4-TS-36-071725MS and OU4-TS-36-071725MSD is failing for Dalapon, Dinoseb and the original sample(OU4-TS-36-071725) is reported with M flag for this compounds. The Blank Spike met requirements for all compounds. The RPD were met for all analysis.		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2638**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **SOHIL JODHANI** **Date:** **07/28/2025**

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LAB CHRONICLE

OrderID:	Q2638	**OrderDate:**	7/18/2025 10:07:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2638-01	**OU4-TS-31-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/23/25	
			PCB	8082A		07/21/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-01RE	**OU4-TS-31-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-03	**OU4-TS-32-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/23/25	
			PCB	8082A		07/21/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-05	**OU4-TS-33-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25	
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-05RE	**OU4-TS-33-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-07	**OU4-TS-34-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25	
			PCB	8082A		07/21/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-07RE	**OU4-TS-34-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-09	**OU4-TS-35-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/23/25	
			PCB	8082A		07/21/25	07/21/25	

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LAB CHRONICLE

			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-11	**OU4-TS-36-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25	
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-13	**OU4-TS-37-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25	
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2638 **Order ID:** Q2638

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.: Q2638

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PS031156.D	PIBLK-PS031156.D	2,4-DCAA	1	500	397	79		32	138
		2,4-DCAA	2	500	504	101		32	138
I.BLK-PS031179.D	PIBLK-PS031179.D	2,4-DCAA	1	500	423	85		32	138
		2,4-DCAA	2	500	510	102		32	138
PB168945BL	PB168945BL	2,4-DCAA	1	500	392	78		27	122
		2,4-DCAA	2	500	460	92		27	122
PB168945BS	PB168945BS	2,4-DCAA	1	500	529	106		27	122
		2,4-DCAA	2	500	507	101		27	122
Q2638-01	OU4-TS-31-071725	2,4-DCAA	1	500	216	43		27	122
		2,4-DCAA	2	500	295	59		27	122
Q2638-03	OU4-TS-32-071725	2,4-DCAA	1	500	228	46		27	122
		2,4-DCAA	2	500	289	58		27	122
Q2638-09	OU4-TS-35-071725	2,4-DCAA	1	500	237	47		27	122
		2,4-DCAA	2	500	312	62		27	122
I.BLK-PS031191.D	PIBLK-PS031191.D	2,4-DCAA	1	500	429	86		32	138
		2,4-DCAA	2	500	518	104		32	138
I.BLK-PS031221.D	PIBLK-PS031221.D	2,4-DCAA	1	500	415	83		32	138
		2,4-DCAA	2	500	492	98		32	138
Q2638-11	OU4-TS-36-071725	2,4-DCAA	1	500	217	43		27	122
		2,4-DCAA	2	500	306	61		27	122
Q2638-11MS	OU4-TS-36-071725MS	2,4-DCAA	1	500	287	57		27	122
		2,4-DCAA	2	500	312	62		27	122
Q2638-11MSD	OU4-TS-36-071725MSD	2,4-DCAA	1	500	272	54		27	122
		2,4-DCAA	2	500	289	58		27	122
Q2638-13	OU4-TS-37-071725	2,4-DCAA	1	500	219	44		27	122
		2,4-DCAA	2	500	316	63		27	122
Q2638-05	OU4-TS-33-071725	2,4-DCAA	1	500	225	45		27	122
		2,4-DCAA	2	500	332	66		27	122
Q2638-07	OU4-TS-34-071725	2,4-DCAA	1	500	367	73		27	122
		2,4-DCAA	2	500	498	100		27	122
I.BLK-PS031232.D	PIBLK-PS031232.D	2,4-DCAA	1	500	412	82		32	138
		2,4-DCAA	2	500	491	98		32	138

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2638 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS031224.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2638-11MS (Column 1)**	**Client Sample ID:**		**OU4-TS-36-071725MS**								
	DICAMBA	203.3	0	115	ug/Kg	57				38	132	
	Dalapon	203.3	0	60.8	ug/Kg	30	*			70	130	
	DICHLORPROP	203.3	0	126	ug/Kg	62				28	155	
	2,4-D	203.3	0	152	ug/Kg	75				28	144	
	2,4,5-TP(Silvex)	203.3	0	128	ug/Kg	63				43	129	
	2,4,5-T	203.3	0	134	ug/Kg	66				31	138	
	2,4-DB	203.3	0	95.2	ug/Kg	47				34	142	
	Dinoseb	203.3	0	0	ug/Kg	0	*			57	152	
Lab Sample ID:	**Q2638-11MS (Column 2)**	**Client Sample ID:**		**OU4-TS-36-071725MS**								
	DICAMBA	203.3	0	114	ug/Kg	56				38	132	
	Dalapon	203.3	0	214	ug/Kg	105				70	130	
	DICHLORPROP	203.3	0	122	ug/Kg	60				28	155	
	2,4-D	203.3	0	146	ug/Kg	72				28	144	
	2,4,5-TP(Silvex)	203.3	0	119	ug/Kg	59				43	129	
	2,4,5-T	203.3	0	119	ug/Kg	59				31	138	
	2,4-DB	203.3	0	111	ug/Kg	55				34	142	
	Dinoseb	203.3	0	0	ug/Kg	0	*			57	152	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2638 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS031225.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2638-11MSD (Column 1)**	**Client Sample ID:**		**OU4-TS-36-071725MSD**								
	DICAMBA	203	0	108	ug/Kg	53		7		38	132	20
	Dalapon	203	0	60.1	ug/Kg	30	*	0		70	130	20
	DICHLORPROP	203	0	119	ug/Kg	59		5		28	155	20
	2,4-D	203	0	152	ug/Kg	75		0		28	144	20
	2,4,5-TP(Silvex)	203	0	123	ug/Kg	61		3		43	129	20
	2,4,5-T	203	0	127	ug/Kg	63		5		31	138	20
	2,4-DB	203	0	89.6	ug/Kg	44		7		34	142	20
	Dinoseb	203	0	0	ug/Kg	0	*	0		57	152	20
Lab Sample ID:	**Q2638-11MSD (Column 2)**	**Client Sample ID:**		**OU4-TS-36-071725MSD**								
	DICAMBA	203	0	106	ug/Kg	52		7		38	132	20
	Dalapon	203	0	190	ug/Kg	94		11		70	130	20
	DICHLORPROP	203	0	117	ug/Kg	58		3		28	155	20
	2,4-D	203	0	125	ug/Kg	62		15		28	144	20
	2,4,5-TP(Silvex)	203	0	115	ug/Kg	57		3		43	129	20
	2,4,5-T	203	0	113	ug/Kg	56		5		31	138	20
	2,4-DB	203	0	105	ug/Kg	52		6		34	142	20
	Dinoseb	203	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.: Q2638 **Analytical Method:** 8151A

Client: Nobis Group **Datafile :** PS031182.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168945BS (Column 1)	DICAMBA	166.6	165	ug/Kg	99				38	132	
	Dalapon	166.6	151	ug/Kg	91				70	130	
	DICHLORPROP	166.6	164	ug/Kg	98				28	155	
	2,4-D	166.6	205	ug/Kg	123				28	144	
	2,4,5-TP(Silvex)	166.6	170	ug/Kg	102				43	129	
	2,4,5-T	166.6	176	ug/Kg	106				31	138	
	2,4-DB	166.6	175	ug/Kg	105				34	142	
	Dinoseb	166.6	168	ug/Kg	101				57	152	
PB168945BS (Column 2)	DICAMBA	166.6	159	ug/Kg	95				38	132	
	Dalapon	166.6	149	ug/Kg	89				70	130	
	DICHLORPROP	166.6	160	ug/Kg	96				28	155	
	2,4-D	166.6	159	ug/Kg	95				28	144	
	2,4,5-TP(Silvex)	166.6	162	ug/Kg	97				43	129	
	2,4,5-T	166.6	162	ug/Kg	97				31	138	
	2,4-DB	166.6	164	ug/Kg	98				34	142	
	Dinoseb	166.6	161	ug/Kg	97				57	152	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168945BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2638

Lab Sample ID: PB168945BL | Lab File ID: PS031181.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/22/2025

Date Analyzed (1): 07/23/2025 | Date Analyzed (2): 07/23/2025

Time Analyzed (1): 10:33 | Time Analyzed (2): 10:33

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
PB168945BS	PB168945BS	PS031182.D	07/23/2025	07/23/2025
OU4-TS-31-071725	Q2638-01	PS031183.D	07/23/2025	07/23/2025
OU4-TS-32-071725	Q2638-03	PS031184.D	07/23/2025	07/23/2025
OU4-TS-35-071725	Q2638-09	PS031187.D	07/23/2025	07/23/2025
OU4-TS-36-071725	Q2638-11	PS031223.D	07/24/2025	07/24/2025
OU4-TS-36-071725MS	Q2638-11MS	PS031224.D	07/24/2025	07/24/2025
OU4-TS-36-071725MSD	Q2638-11MSD	PS031225.D	07/24/2025	07/24/2025
OU4-TS-37-071725	Q2638-13	PS031228.D	07/24/2025	07/24/2025
OU4-TS-33-071725	Q2638-05	PS031229.D	07/24/2025	07/24/2025
OU4-TS-34-071725	Q2638-07	PS031230.D	07/24/2025	07/24/2025

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **PS031183.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-31-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	68.4 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
PS031183.D	1	07/22/25 09:05	07/23/25 11:21	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.048	U	0.011	0.048	0.098	mg/Kg
75-99-0	DALAPON	0.073	U	0.026	0.073	0.098	mg/Kg
120-36-5	DICHLORPROP	0.048	U	0.019	0.048	0.098	mg/Kg
94-75-7	2,4-D	0.048	U	0.013	0.048	0.098	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.048	U	0.013	0.048	0.098	mg/Kg
93-76-5	2,4,5-T	0.048	U	0.013	0.048	0.098	mg/Kg
94-82-6	2,4-DB	0.048	U	0.035	0.048	0.098	mg/Kg
88-85-7	DINOSEB	0.048	U	0.016	0.048	0.098	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	295		27 - 122		59%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:21
Operator : AR\AJ
Sample : Q2638-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-31-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.322	7.764	940.0E6	299.7E6	216.173	295.271 #
	Target Compounds						

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

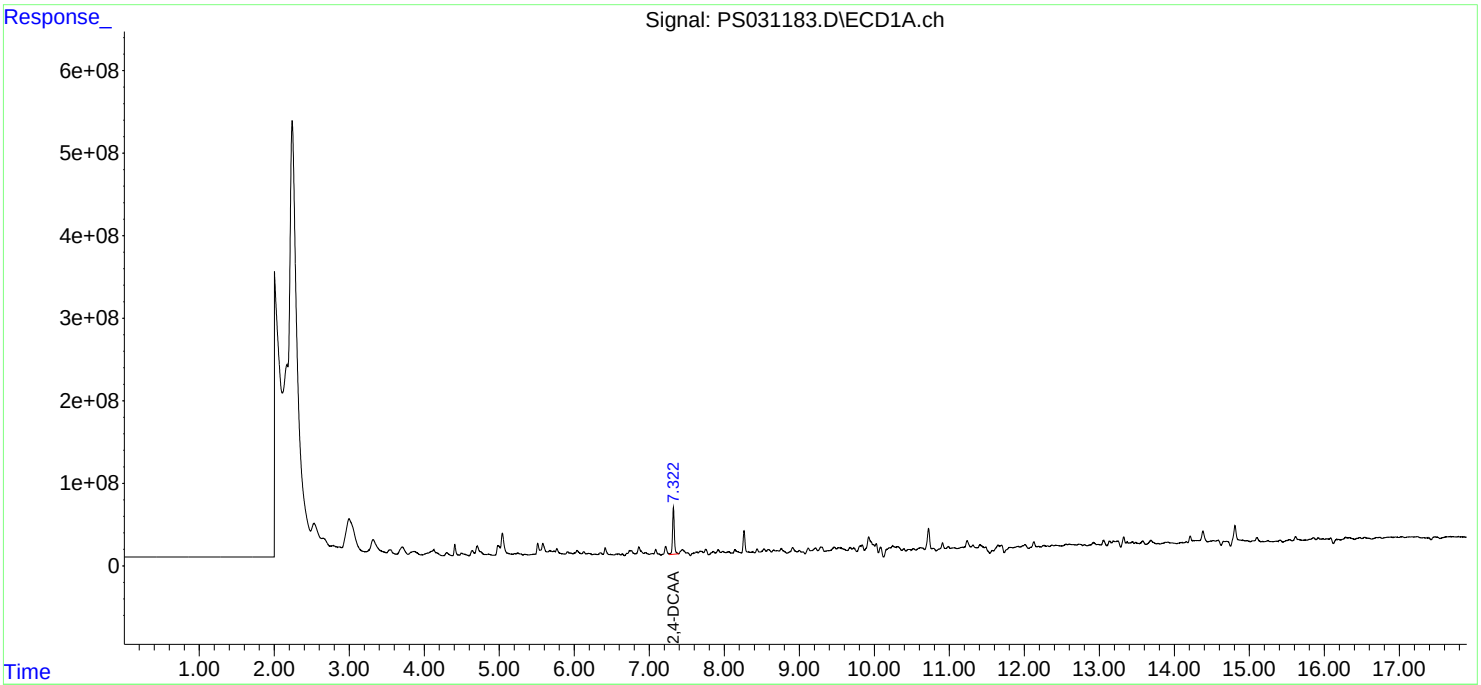
Sample Results: **PS031183.D**

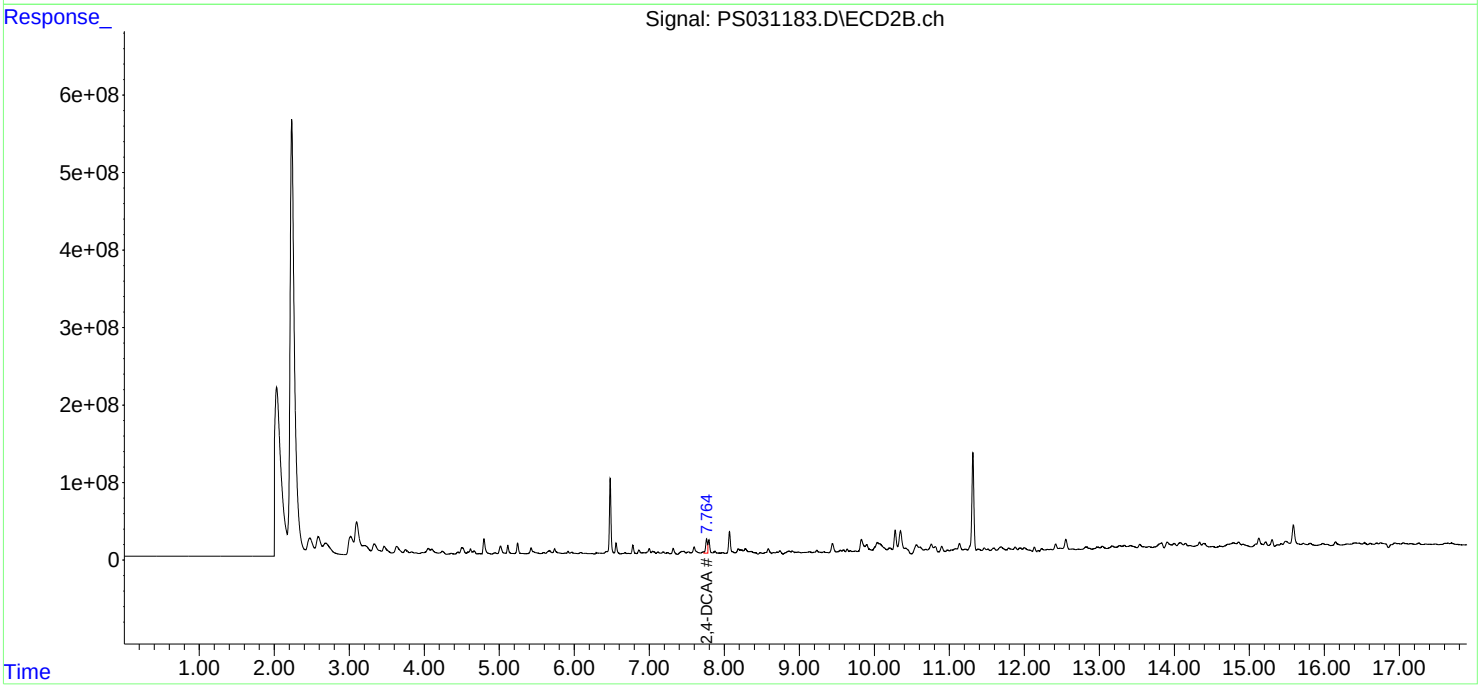
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:21
Operator : AR\AJ
Sample : Q2638-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

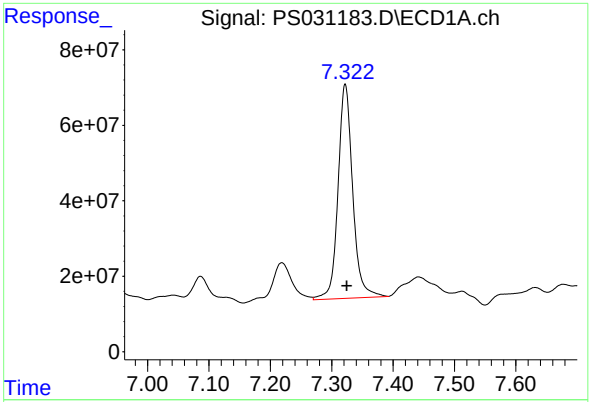
Instrument :
ECD_S
ClientSampleId :
OU4-TS-31-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



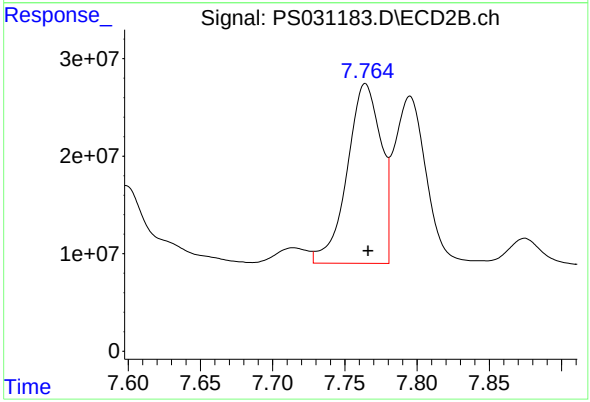




#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 939972886
Conc: 216.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-31-071725



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 299690883
Conc: 295.27 ng/ml

Raw Data: **PS031184.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-32-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	65.1 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
PS031184.D	1	07/22/25 09:05	07/23/25 11:45	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.051	U	0.012	0.051	0.10	mg/Kg
75-99-0	DALAPON	0.077	U	0.027	0.077	0.10	mg/Kg
120-36-5	DICHLORPROP	0.051	U	0.020	0.051	0.10	mg/Kg
94-75-7	2,4-D	0.051	U	0.014	0.051	0.10	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.051	U	0.014	0.051	0.10	mg/Kg
93-76-5	2,4,5-T	0.051	U	0.013	0.051	0.10	mg/Kg
94-82-6	2,4-DB	0.051	U	0.037	0.051	0.10	mg/Kg
88-85-7	DINOSEB	0.051	U	0.017	0.051	0.10	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	289		27 - 122		58%	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\PS072325\
Data File : PS031184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:45
Operator : AR\AJ
Sample : Q2638-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-32-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:16:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.321	7.764	990.6E6	293.3E6	227.826	288.957 #
	Target Compounds						

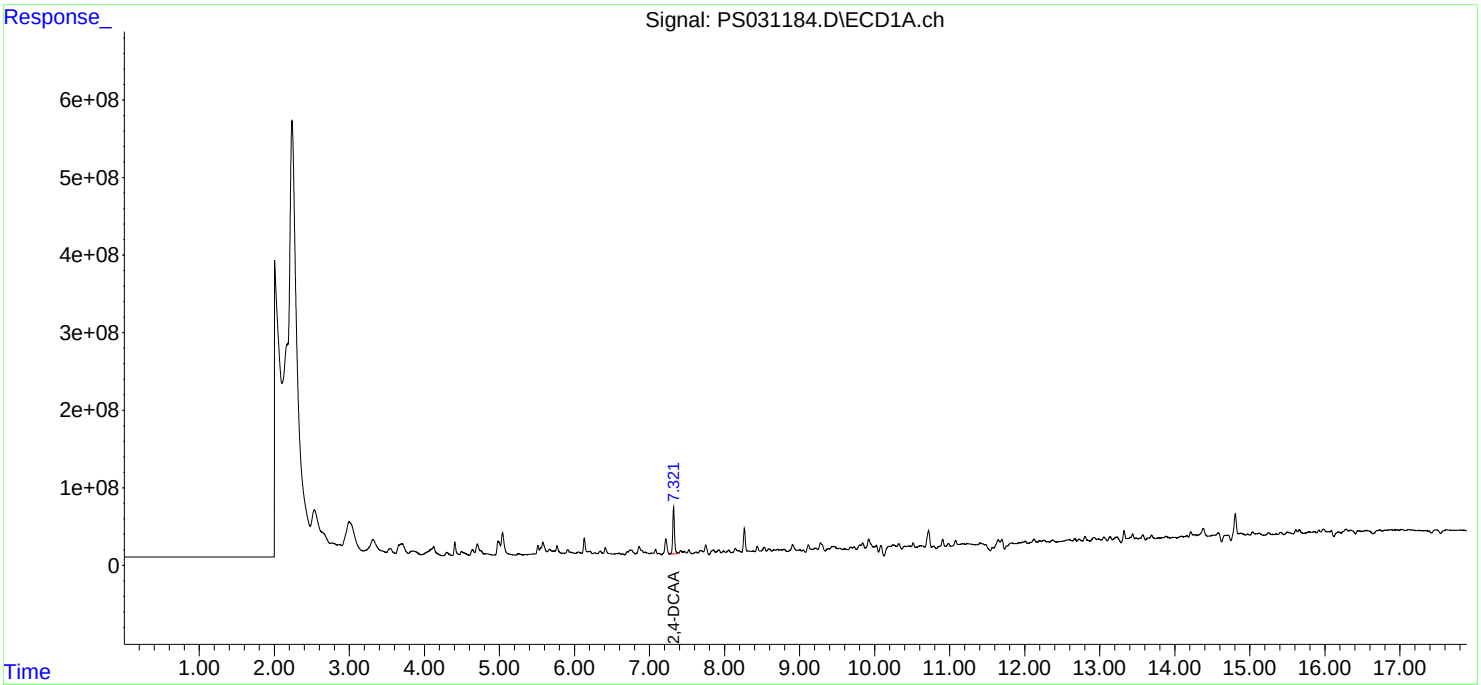
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

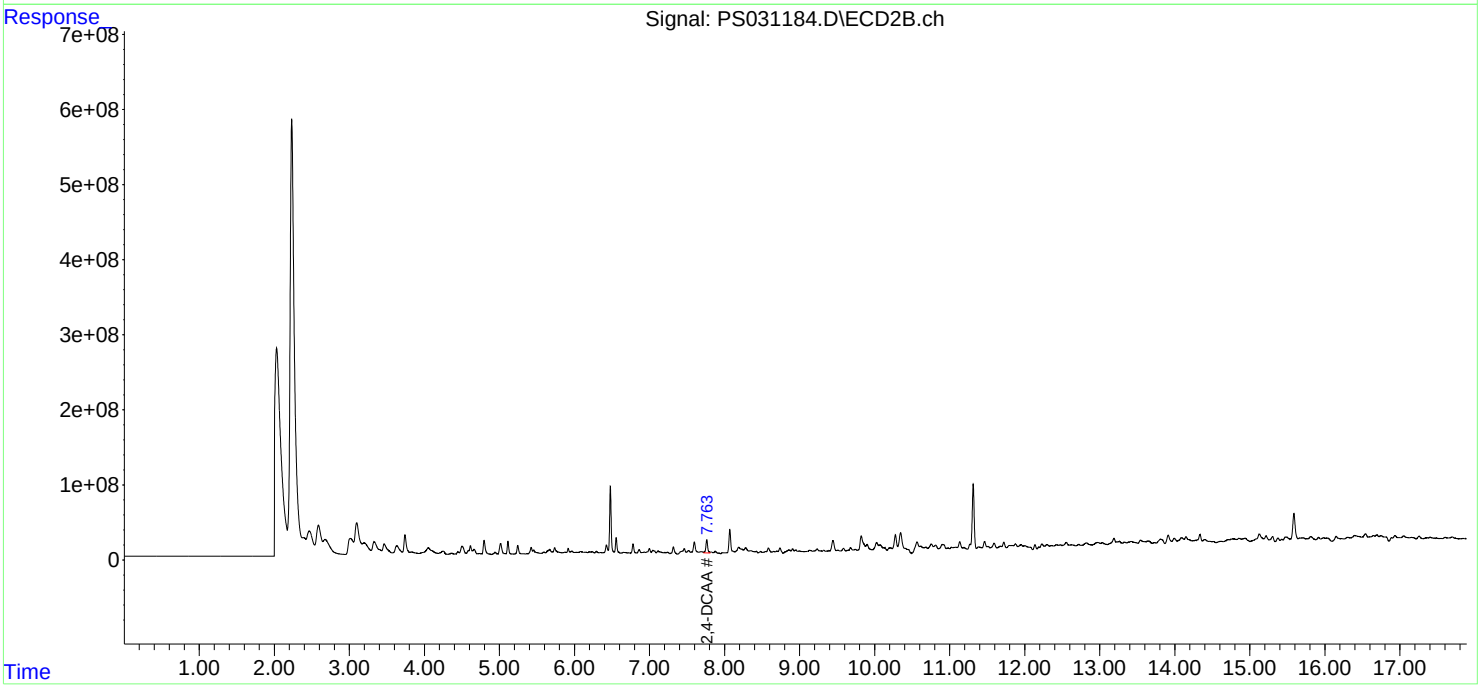
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 11:45
Operator : AR\AJ
Sample : Q2638-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

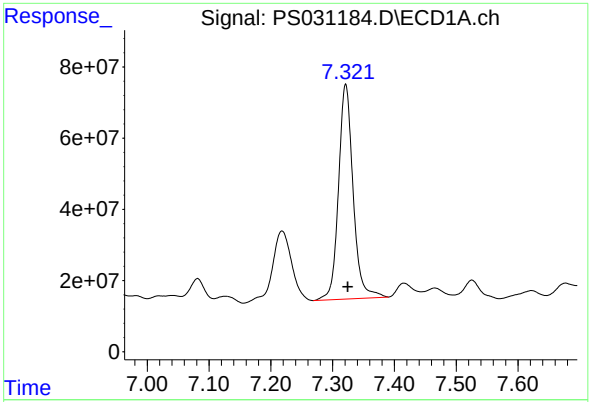
Instrument :
ECD_S
ClientSampleId :
OU4-TS-32-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:16:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



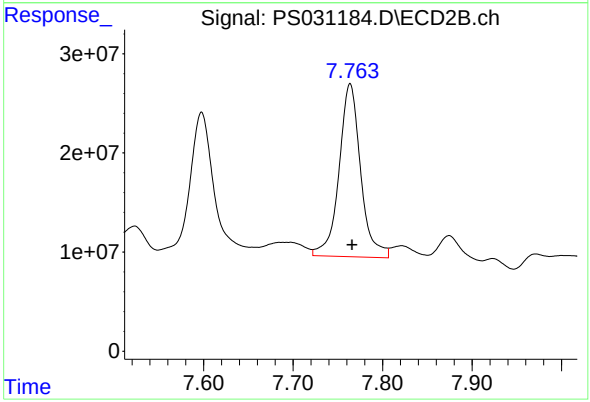




#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 990644660
Conc: 227.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-32-071725



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 293282229
Conc: 288.96 ng/ml

Raw Data: **PS031229.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-33-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	64.7 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031229.D	1	07/22/25 09:05	07/24/25 16:14	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.051	U	0.012	0.051	0.10	mg/Kg
75-99-0	DALAPON	0.077	U	0.027	0.077	0.10	mg/Kg
120-36-5	DICHLORPROP	0.051	U	0.020	0.051	0.10	mg/Kg
94-75-7	2,4-D	0.051	U	0.014	0.051	0.10	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.051	U	0.014	0.051	0.10	mg/Kg
93-76-5	2,4,5-T	0.051	U	0.013	0.051	0.10	mg/Kg
94-82-6	2,4-DB	0.051	U	0.037	0.051	0.10	mg/Kg
88-85-7	DINOSEB	0.051	U	0.017	0.051	0.10	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	332		27 - 122		66%	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\PS072425\
Data File : PS031229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 16:14
Operator : AR\AJ
Sample : Q2638-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-33-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:05:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
4)	S 2,4-DCAA	7.320	7.764	976.8E6	337.1E6	224.646	332.090	#
	Target Compounds							

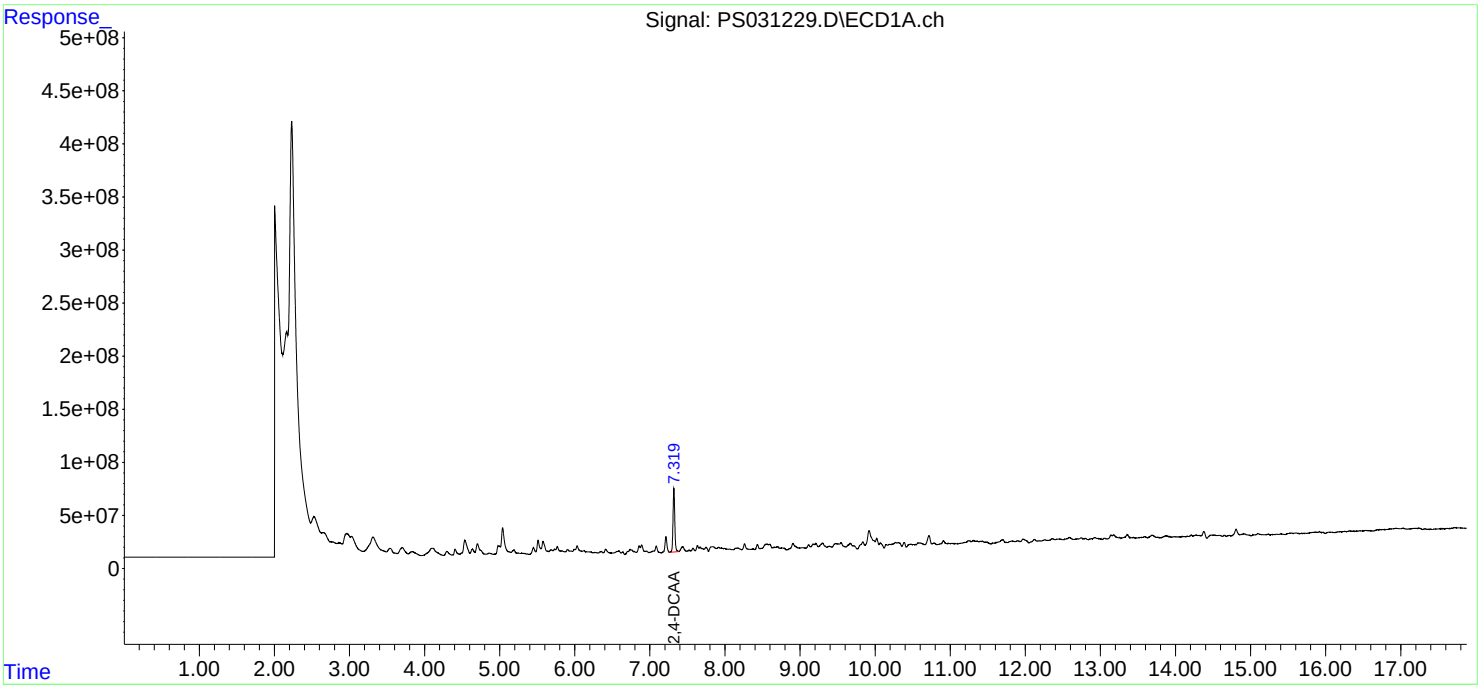
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

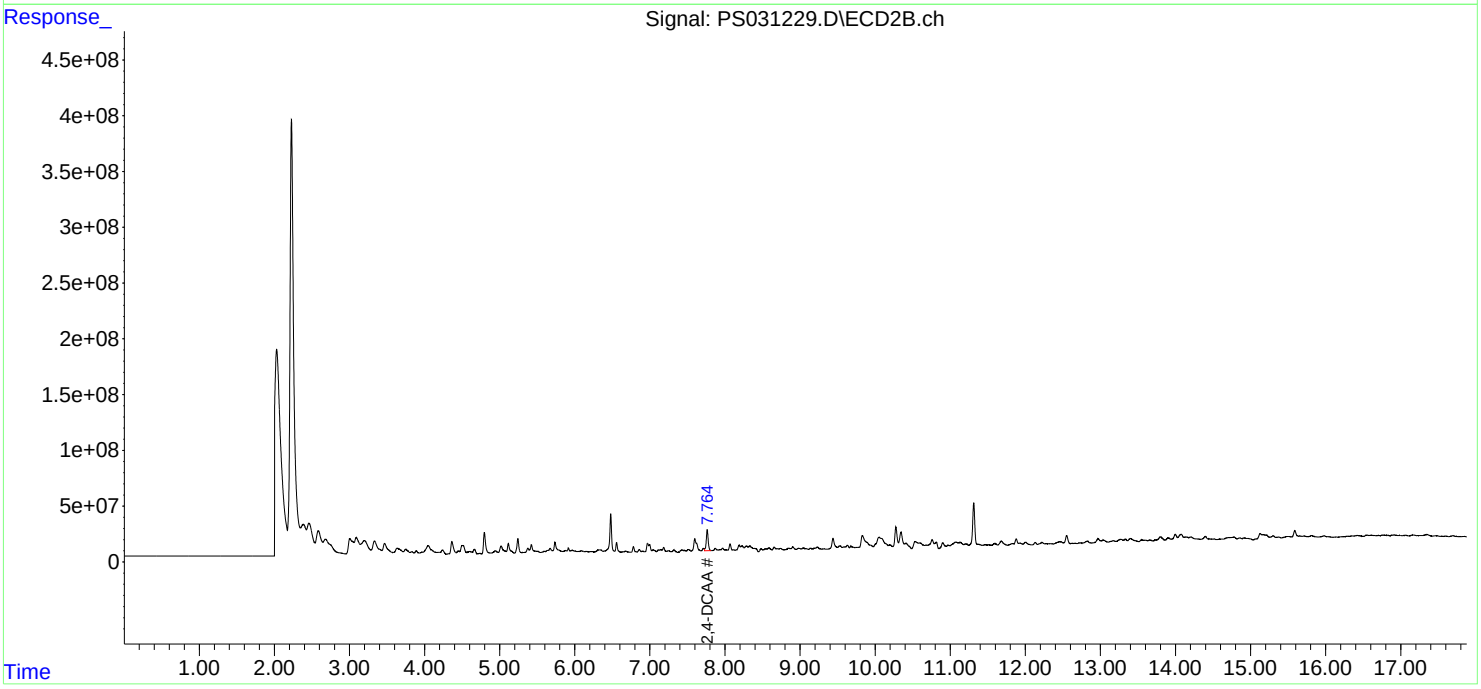
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 16:14
Operator : AR\AJ
Sample : Q2638-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

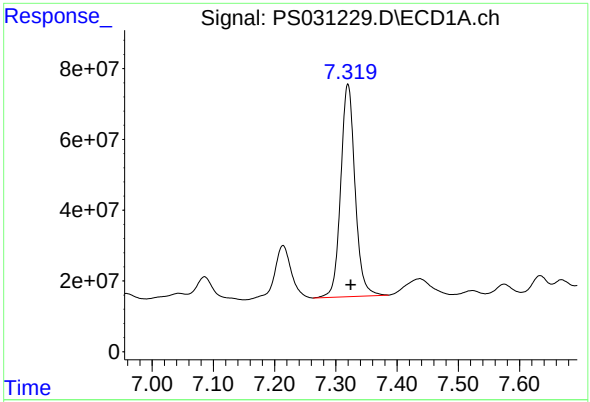
Instrument :
ECD_S
ClientSampleId :
OU4-TS-33-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:05:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



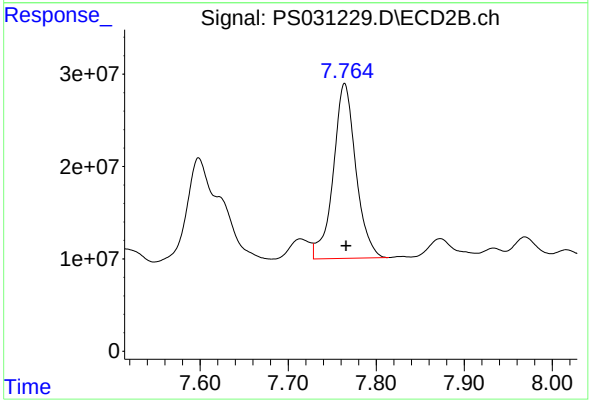




#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 976817460
Conc: 224.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-33-071725



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 337060361
Conc: 332.09 ng/ml

Raw Data: **PS031230.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	68.5 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
PS031230.D	1	07/22/25 09:05	07/24/25 16:39	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.048	U	0.011	0.048	0.098	mg/Kg
75-99-0	DALAPON	0.073	U	0.026	0.073	0.098	mg/Kg
120-36-5	DICHLORPROP	0.048	U	0.019	0.048	0.098	mg/Kg
94-75-7	2,4-D	0.048	U	0.013	0.048	0.098	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.048	U	0.013	0.048	0.098	mg/Kg
93-76-5	2,4,5-T	0.048	U	0.013	0.048	0.098	mg/Kg
94-82-6	2,4-DB	0.048	U	0.035	0.048	0.098	mg/Kg
88-85-7	DINOSEB	0.048	U	0.016	0.048	0.098	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	498		27 - 122		100%	SPK: 500

Comments:

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

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

Sample Results: **PS031230.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 16:39
Operator : AR\AJ
Sample : Q2638-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-34-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:06:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.320	7.763	1594.2E6	505.6E6	366.640	498.128 #
	Target Compounds						

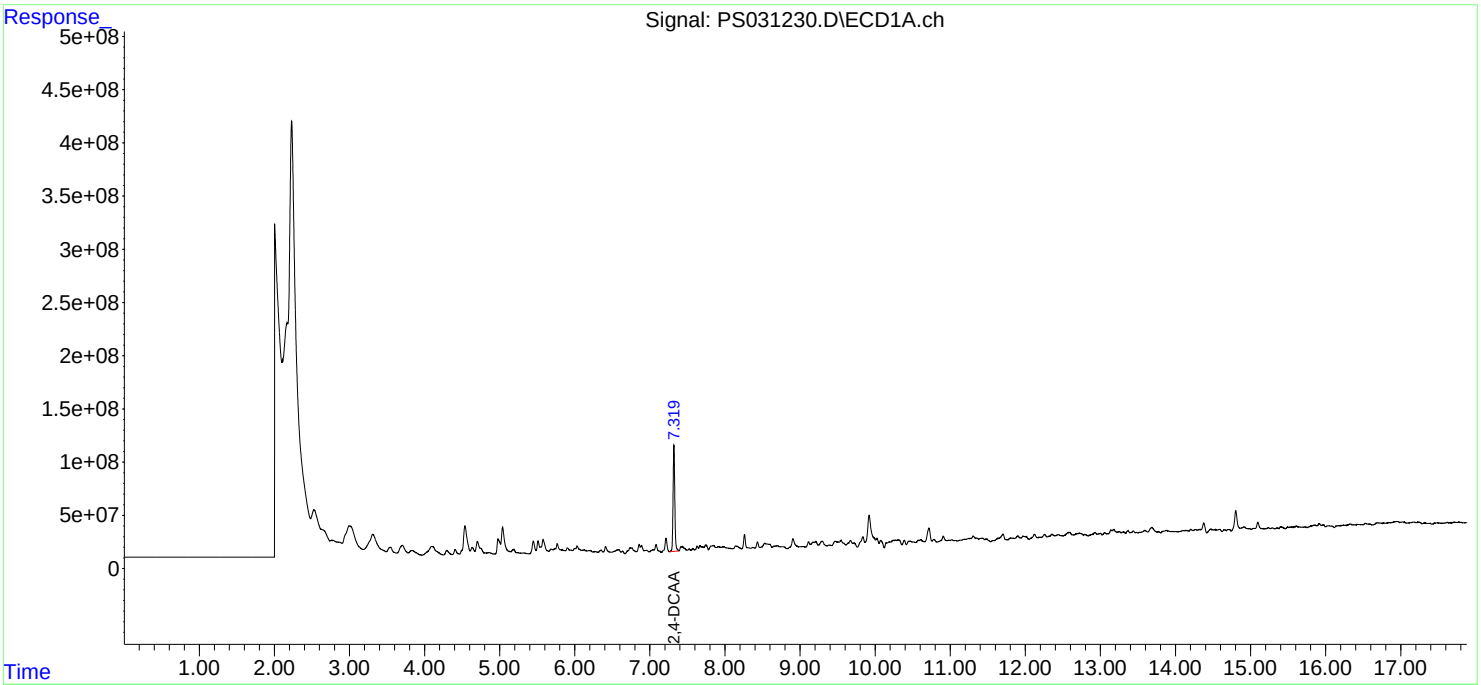
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

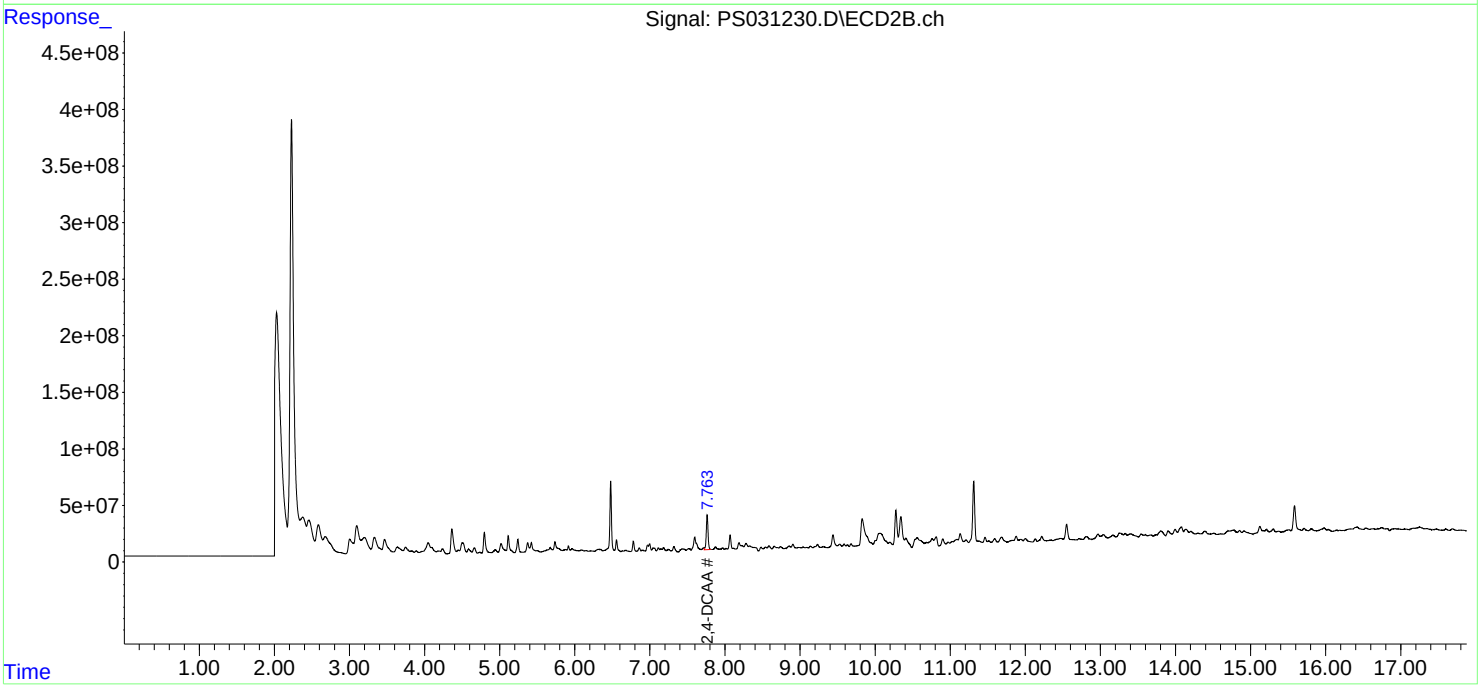
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 16:39
Operator : AR\AJ
Sample : Q2638-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

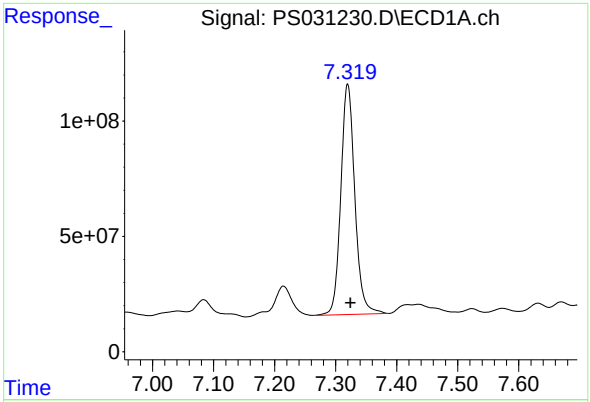
Instrument :
ECD_S
ClientSampleId :
OU4-TS-34-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:06:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



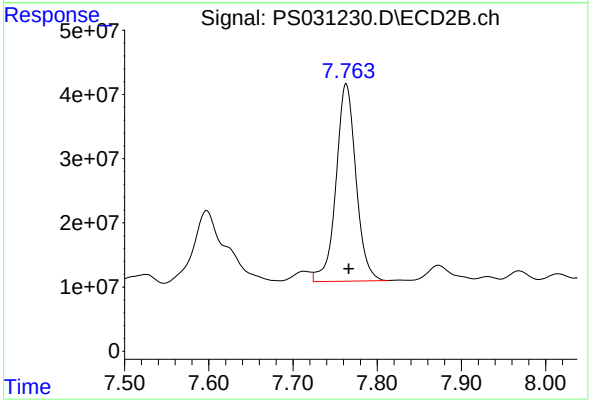




#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1594244539
Conc: 366.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-34-071725



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 505584013
Conc: 498.13 ng/ml

Raw Data: **PS031187.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-35-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-09	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	82.4 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031187.D	1	07/22/25 09:05	07/23/25 12:58	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.040	U	0.0094	0.040	0.081	mg/Kg
75-99-0	DALAPON	0.061	U	0.021	0.061	0.081	mg/Kg
120-36-5	DICHLORPROP	0.040	U	0.016	0.040	0.081	mg/Kg
94-75-7	2,4-D	0.040	U	0.011	0.040	0.081	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.040	U	0.011	0.040	0.081	mg/Kg
93-76-5	2,4,5-T	0.040	U	0.011	0.040	0.081	mg/Kg
94-82-6	2,4-DB	0.040	U	0.029	0.040	0.081	mg/Kg
88-85-7	DINOSEB	0.040	U	0.013	0.040	0.081	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	312		27 - 122		62%	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\PS072325\
Data File : PS031187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:58
Operator : AR\AJ
Sample : Q2638-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-35-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:17:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.321	7.764	1029.2E6	316.6E6	236.683	311.953 #
	Target Compounds						

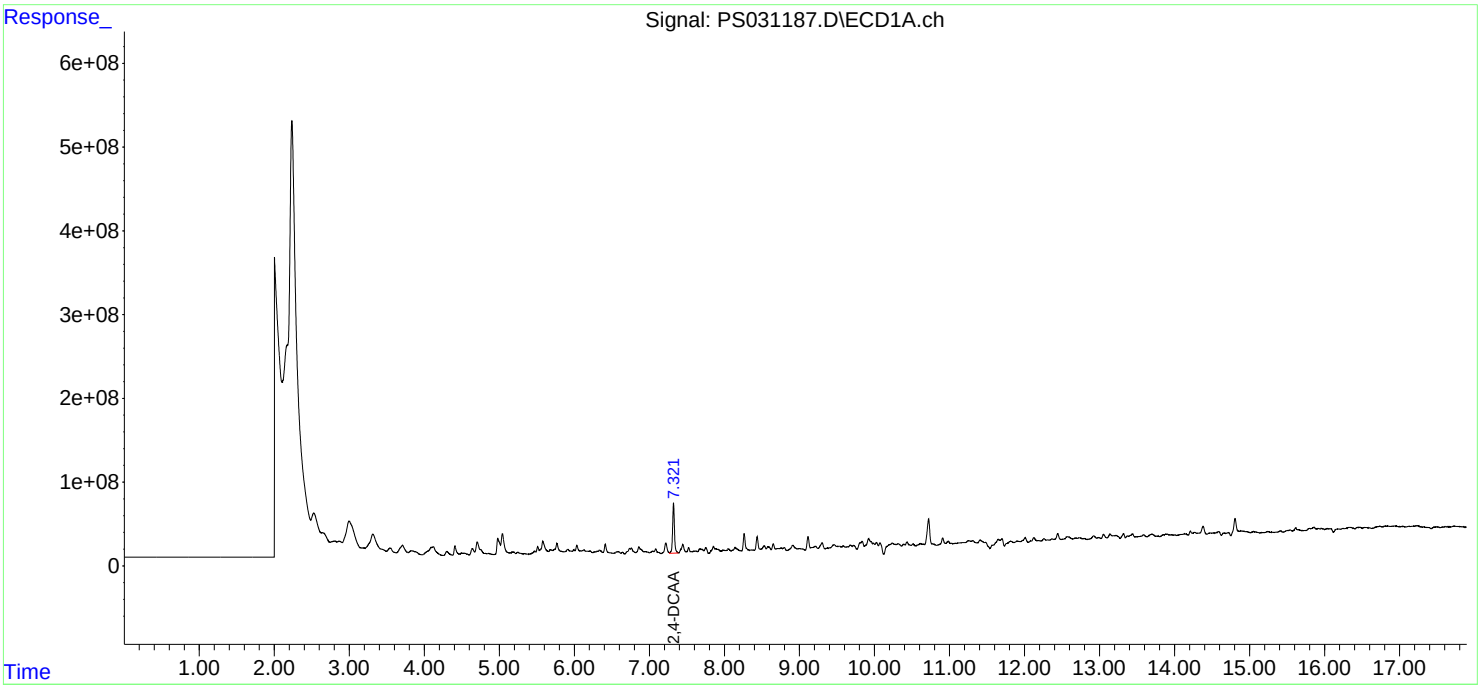
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

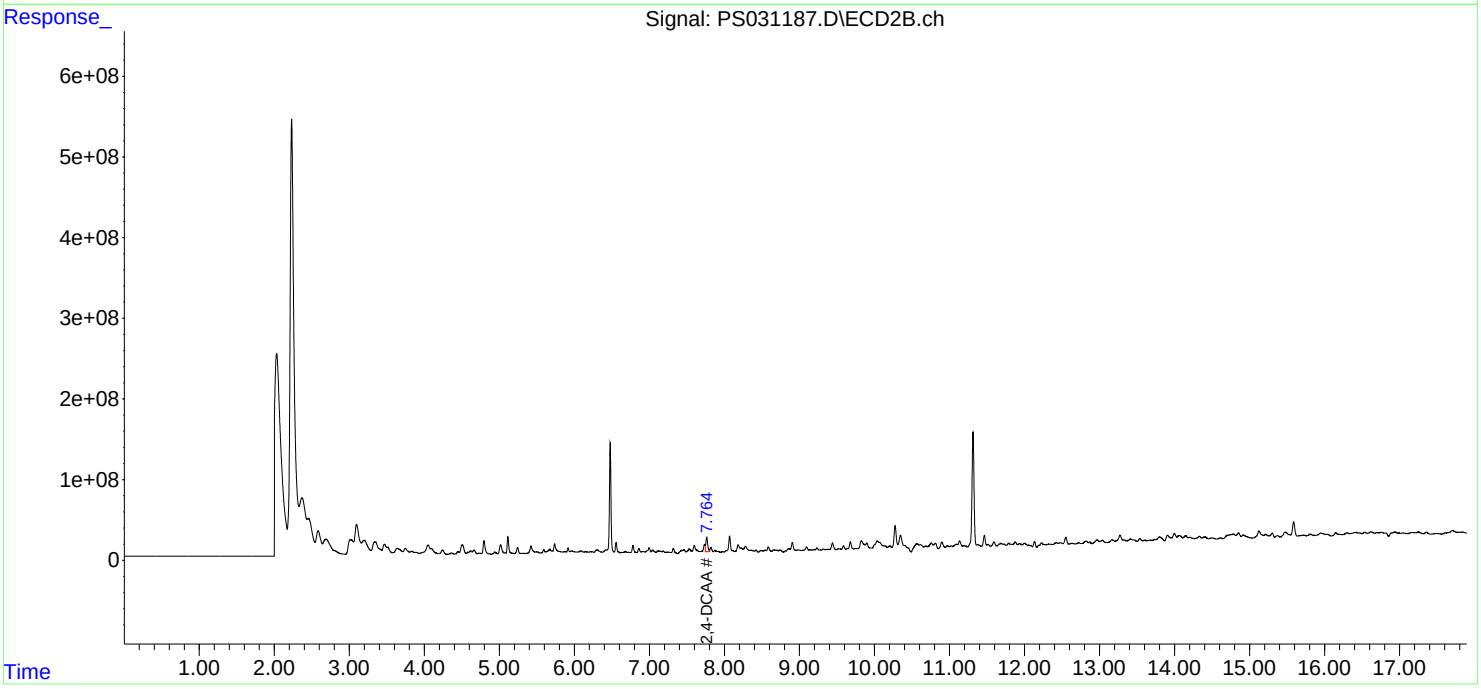
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:58
Operator : AR\AJ
Sample : Q2638-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

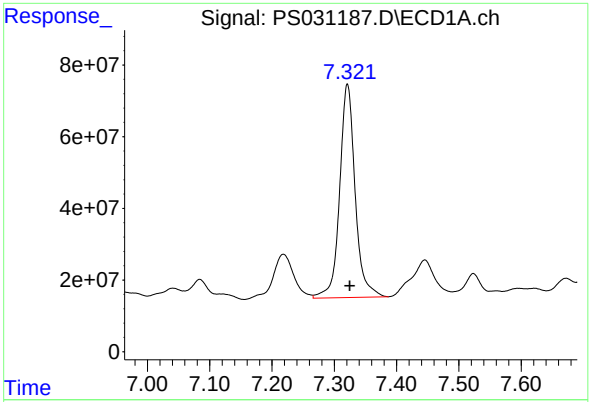
Instrument :
ECD_S
ClientSampleId :
OU4-TS-35-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:17:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



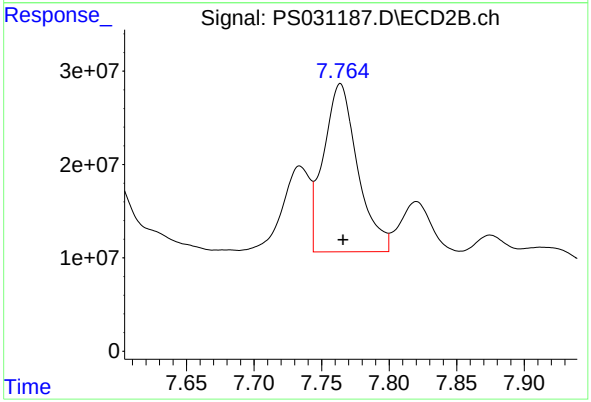




#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 1029157294
Conc: 236.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-35-071725



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 316622704
Conc: 311.95 ng/ml

Raw Data: **PS031223.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-11	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81.9 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
PS031223.D	1	07/22/25 09:05	07/24/25 13:44	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.040	U	0.0094	0.040	0.082	mg/Kg
75-99-0	DALAPON	0.061	UM	0.021	0.061	0.082	mg/Kg
120-36-5	DICHLORPROP	0.040	U	0.016	0.040	0.082	mg/Kg
94-75-7	2,4-D	0.040	U	0.011	0.040	0.082	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.040	U	0.011	0.040	0.082	mg/Kg
93-76-5	2,4,5-T	0.040	U	0.011	0.040	0.082	mg/Kg
94-82-6	2,4-DB	0.040	U	0.030	0.040	0.082	mg/Kg
88-85-7	DINOSEB	0.040	UM	0.013	0.040	0.082	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	306		27 - 122		61%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031223.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 13:44
Operator : AR\AJ
Sample : Q2638-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:04:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
4)	S 2,4-DCAA	7.320	7.764	943.7E6	310.7E6	217.035	306.161	#
	Target Compounds							

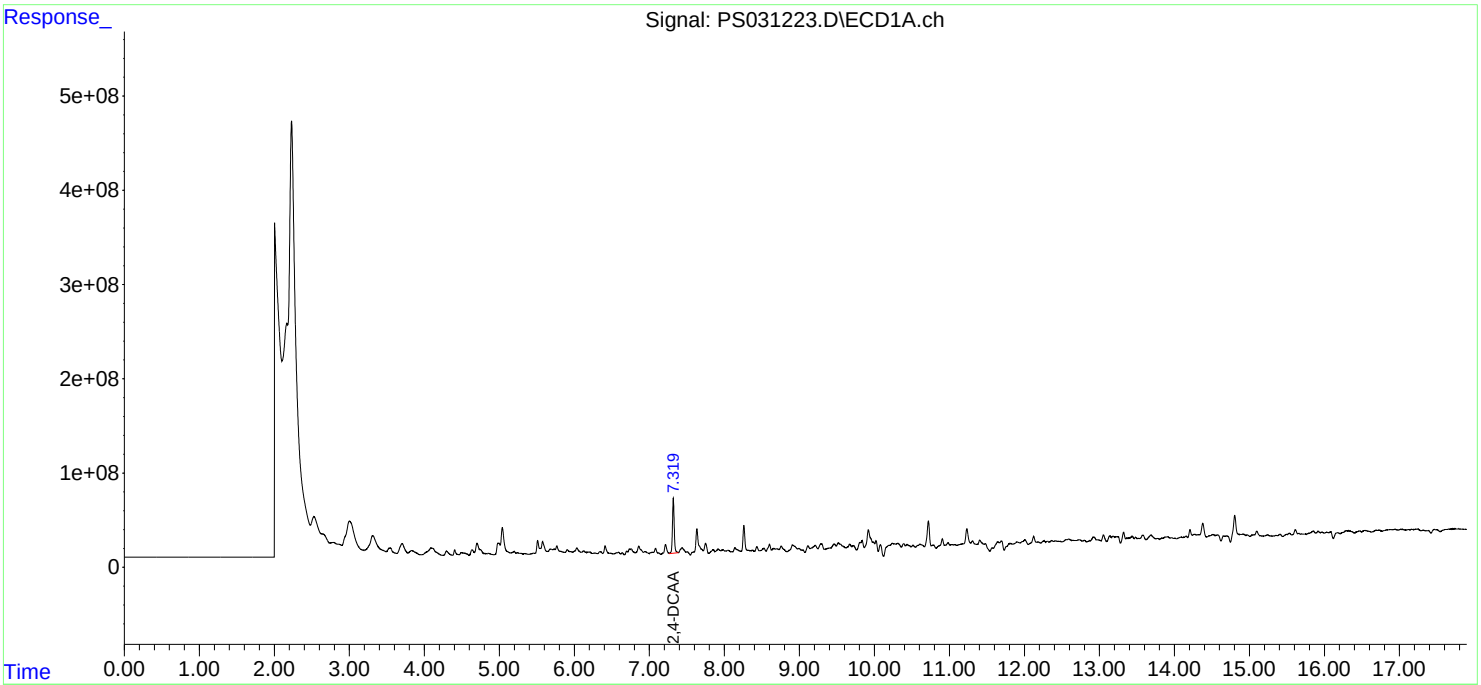
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

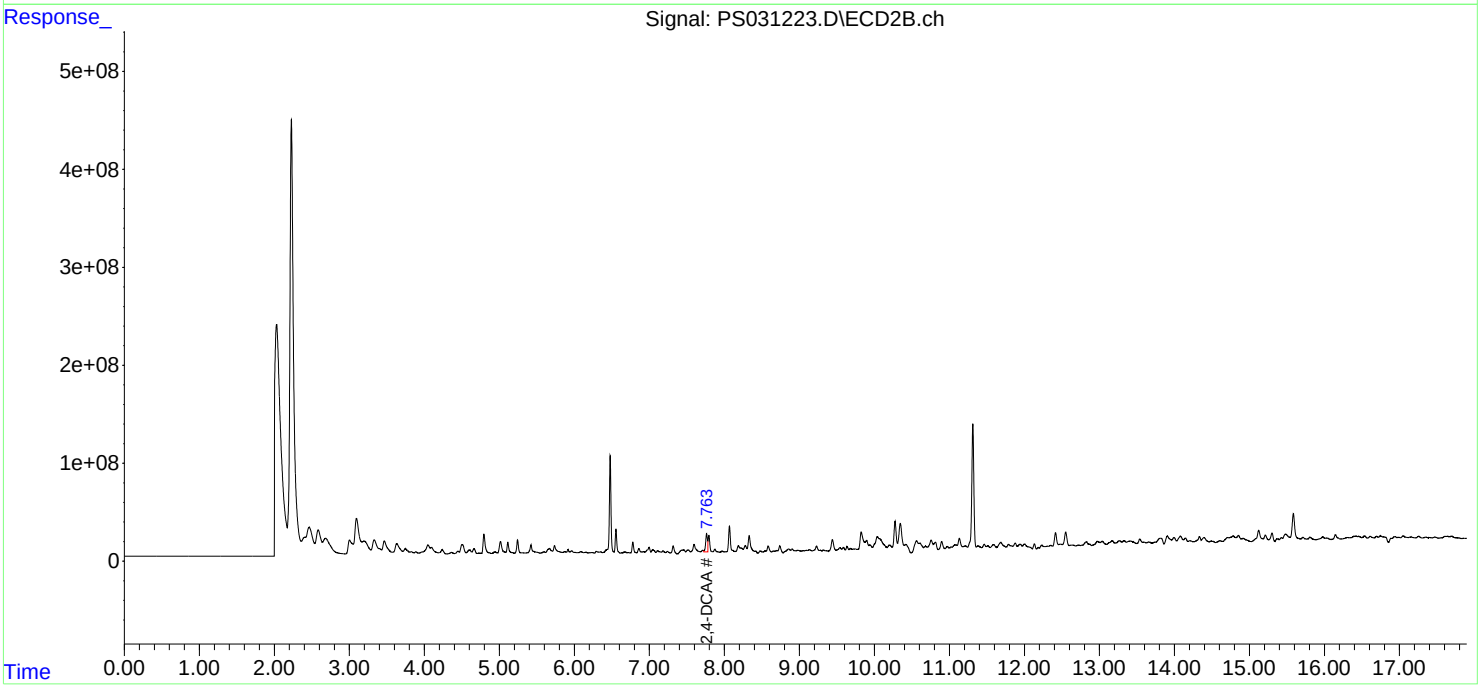
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031223.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 13:44
Operator : AR\AJ
Sample : Q2638-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

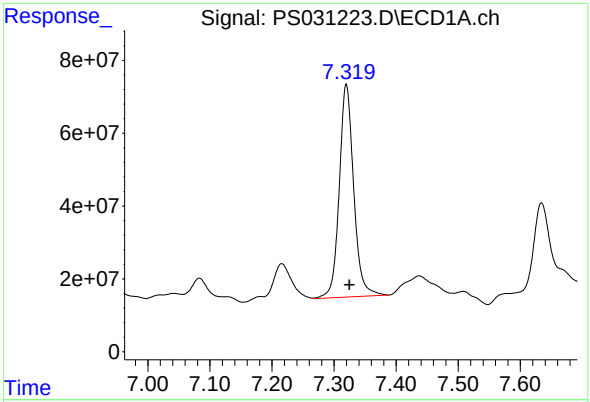
Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:04:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



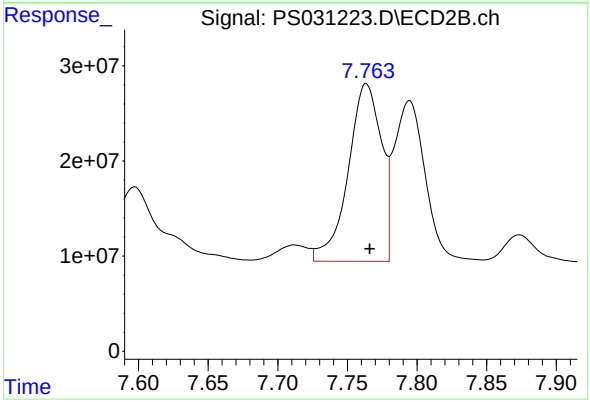




#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 943724499
Conc: 217.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 310743566
Conc: 306.16 ng/ml

Raw Data: **PS031228.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-37-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-13	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81.2 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
PS031228.D	1	07/22/25 09:05	07/24/25 15:50	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.041	U	0.0095	0.041	0.082	mg/Kg
75-99-0	DALAPON	0.062	U	0.022	0.062	0.082	mg/Kg
120-36-5	DICHLORPROP	0.041	U	0.016	0.041	0.082	mg/Kg
94-75-7	2,4-D	0.041	U	0.011	0.041	0.082	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.041	U	0.011	0.041	0.082	mg/Kg
93-76-5	2,4,5-T	0.041	U	0.011	0.041	0.082	mg/Kg
94-82-6	2,4-DB	0.041	U	0.030	0.041	0.082	mg/Kg
88-85-7	DINOSEB	0.041	U	0.013	0.041	0.082	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	316		27 - 122		63%	SPK: 500

Comments:

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

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

Sample Results: **PS031228.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:50
Operator : AR\AJ
Sample : Q2638-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:13:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.319	7.764	954.0E6	320.8E6	219.405	316.026m#
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:50
Operator : AR\AJ
Sample : Q2638-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

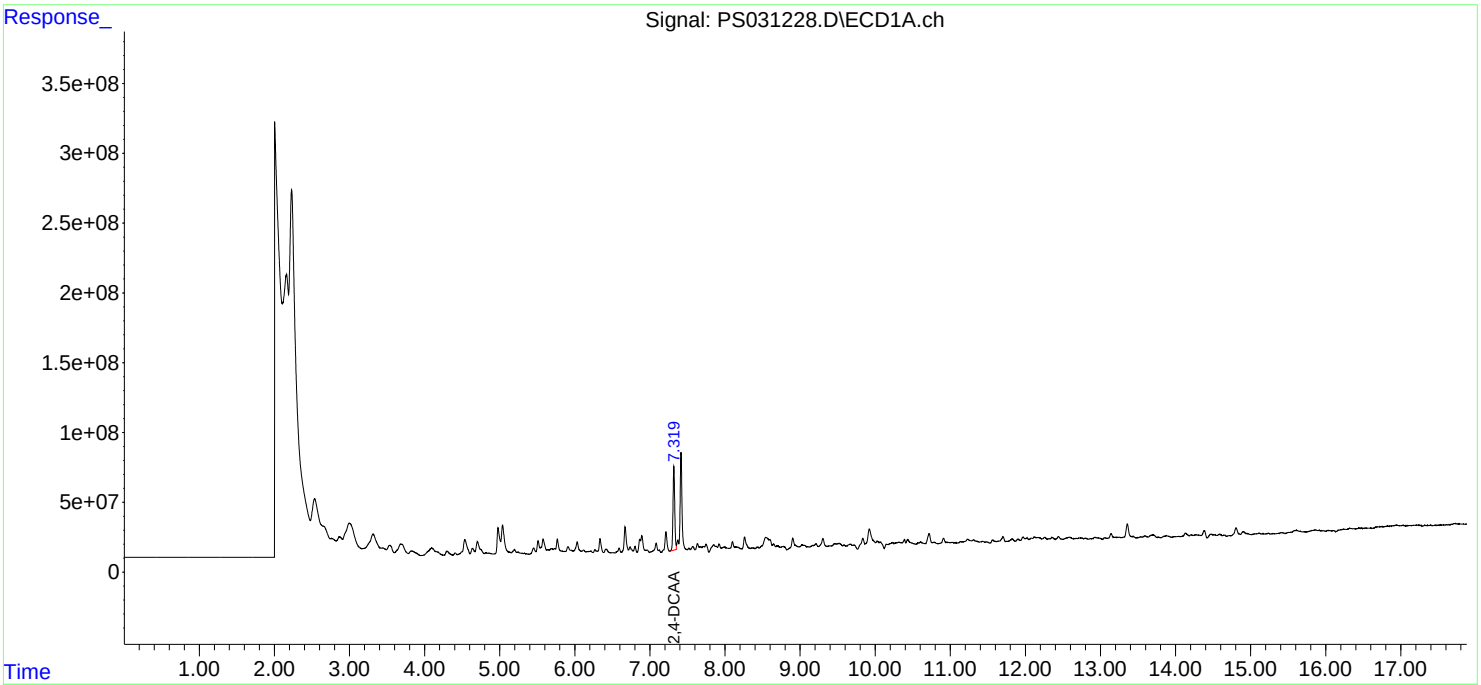
Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725

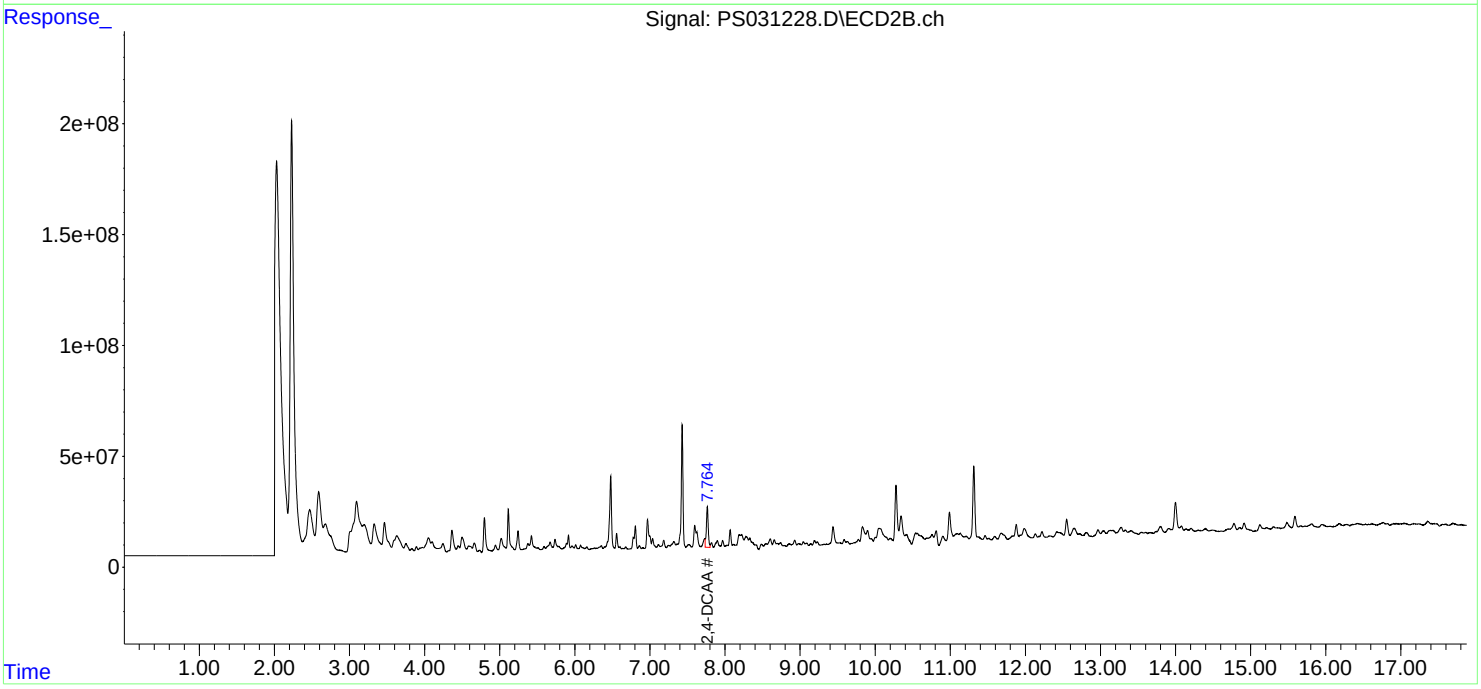
Manual Integrations APPROVED

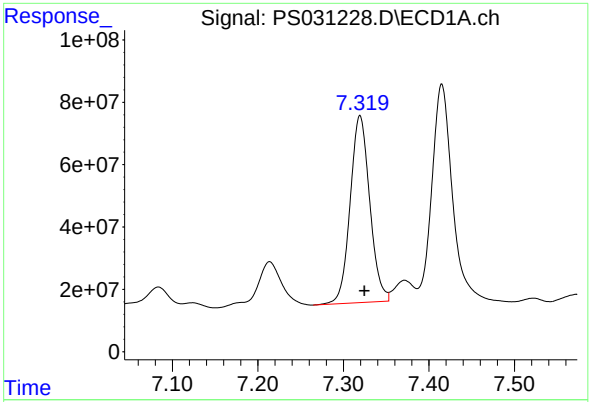
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:13:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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







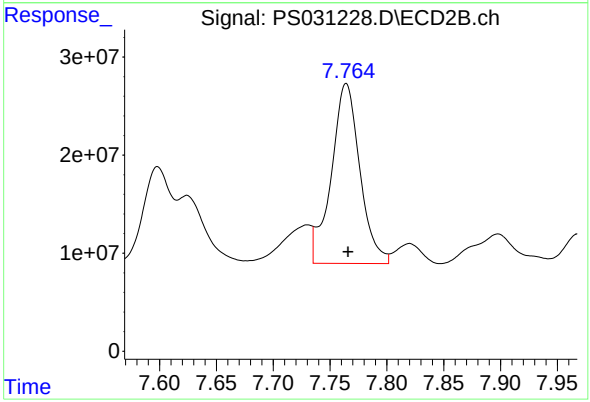
#4 2,4-DCAA

R.T.: 7.319 min
Delta R.T.: -0.005 min
Response: 954030625
Conc: 219.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 320756092
Conc: 316.03 ng/ml m

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: NOBI03
SDG NO.: Q2638
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

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

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

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

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: NOBI03
SDG NO.: Q2638
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

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

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

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.36	10.36	10.36	10.36	10.36	10.36	10.26	10.46
2,4,5-TP(Silvex)	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
2,4-D	9.03	9.03	9.02	9.03	9.02	9.03	8.93	9.13
2,4-DB	10.93	10.93	10.92	10.92	10.92	10.92	10.82	11.02
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Dalapon	2.71	2.71	2.70	2.70	2.70	2.70	2.60	2.80
DICAMBA	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
DICHLORPROP	8.69	8.69	8.69	8.69	8.69	8.69	8.59	8.79
Dinoseb	11.31	11.31	11.31	11.31	11.31	11.31	11.21	11.41

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2638
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

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

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

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

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2638
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

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

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.326	7.768	1018.2E6	229.5E6	239.653	232.155
		Target Compounds						
1)	T	Dalapon	2.687	2.705	1249.0E6	569.9E6	201.812	204.583
2)	T	3,5-DICHL...	6.488	6.715	1193.9E6	320.5E6	222.298	215.115
3)	T	4-Nitroph...	7.126	7.303	335.6E6	347.8E6	209.026	194.908
5)	T	DICAMBA	7.514	7.968	3423.2E6	1271.2E6	210.405	198.102
6)	T	MCPP	7.692	8.063	154.0E6	34811617	14.961	16.279
7)	T	MCPA	7.841	8.311	215.4E6	57174138	17.126	18.096
8)	T	DICHLORPROP	8.226	8.689	851.7E6	328.0E6	231.204	222.621
9)	T	2,4-D	8.459	9.027	788.4E6	362.9E6	215.749	219.109
10)	T	Pentachlo...	8.764	9.547	12562.1E6	8086.5E6	219.208	202.357
11)	T	2,4,5-TP ...	9.343	9.930	4672.6E6	3066.1E6	215.937	206.598
12)	T	2,4,5-T	9.638	10.358	3901.2E6	2914.7E6	199.977	205.894
13)	T	2,4-DB	10.215	10.925	587.5E6	240.7E6	198.311	208.016
14)	T	DINOSEB	11.428	11.308	3210.0E6	2260.5E6	208.197	201.011
15)	T	Picloram	11.242	12.422	3638.6E6	4580.3E6	180.740	180.371
16)	T	DCPA	11.725	12.352	6177.1E6	4718.4E6	218.100	203.744

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

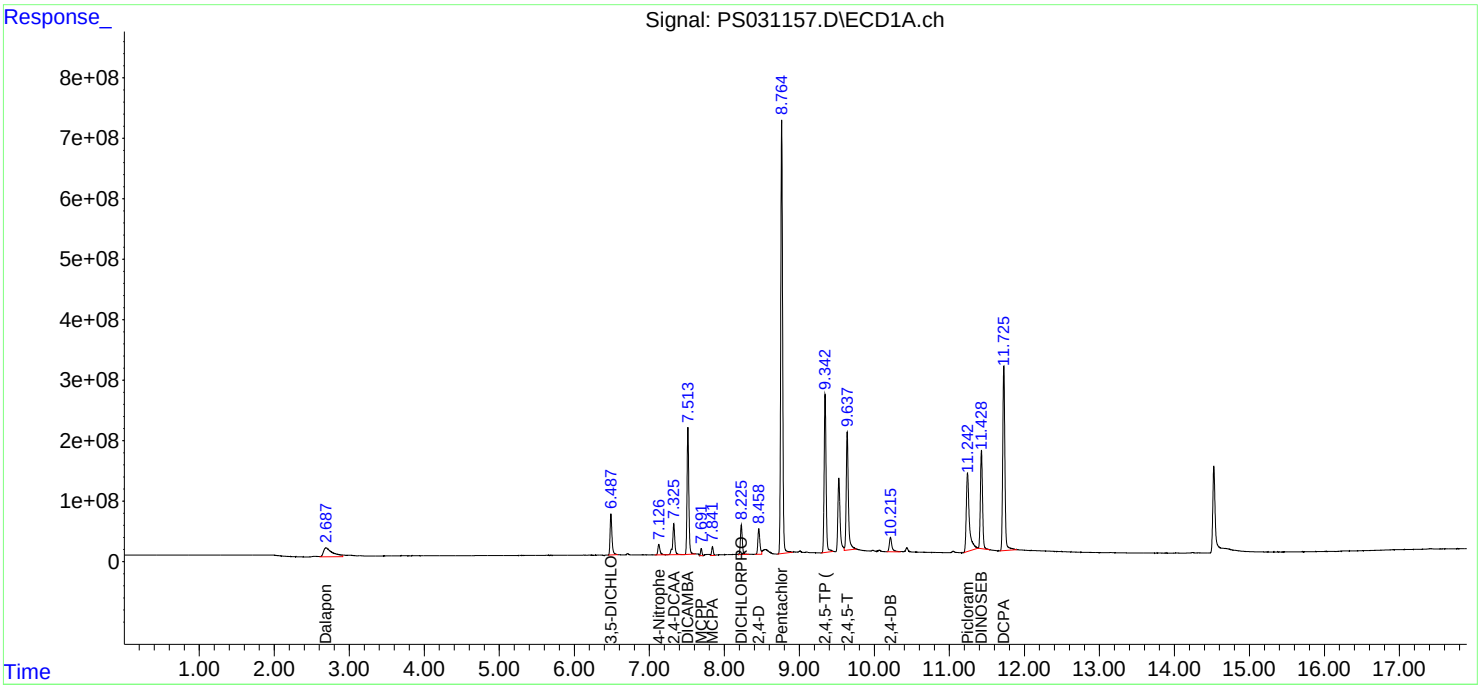
ICAL Form

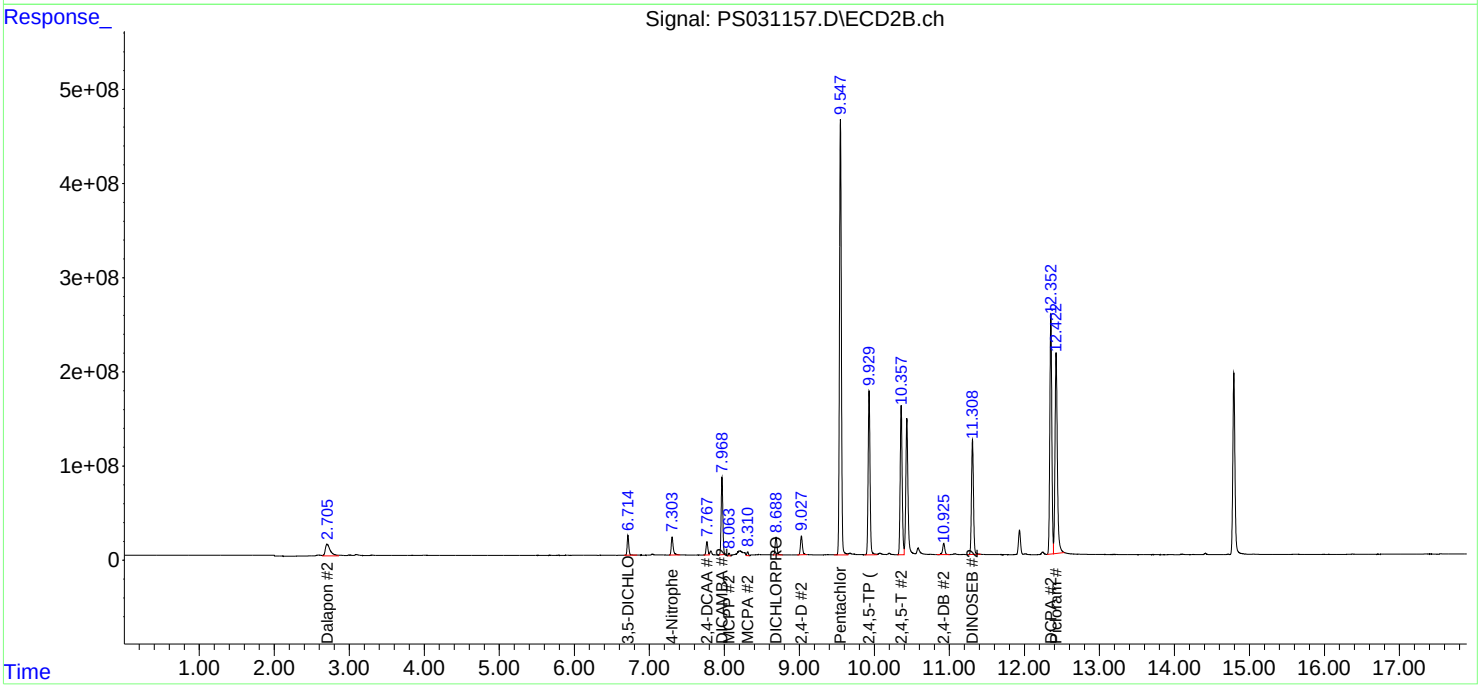
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031157.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:02
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

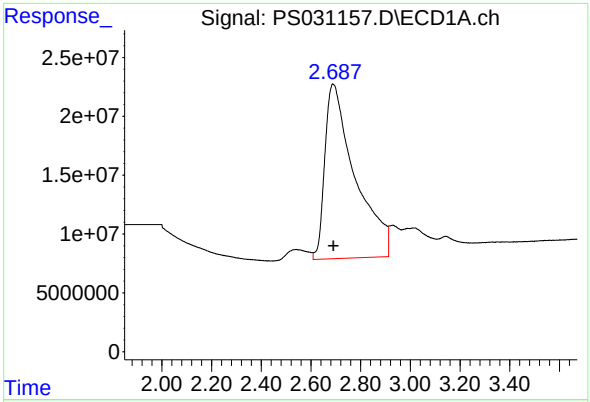
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

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

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



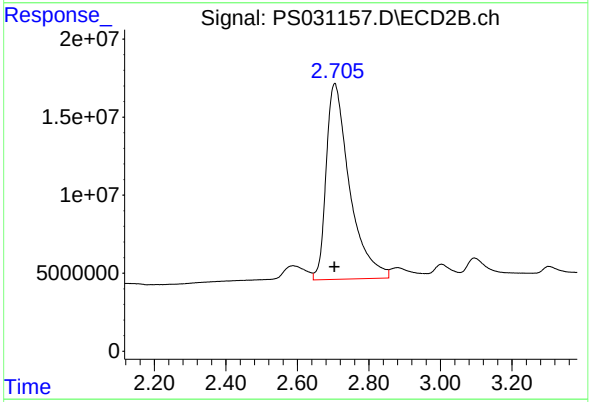




#1 Dalapon

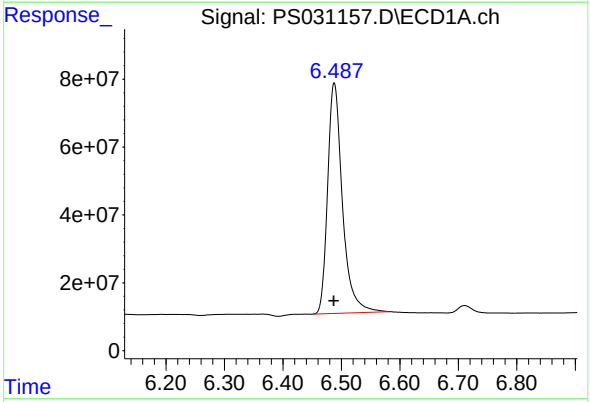
R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 1249018178
Conc: 201.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



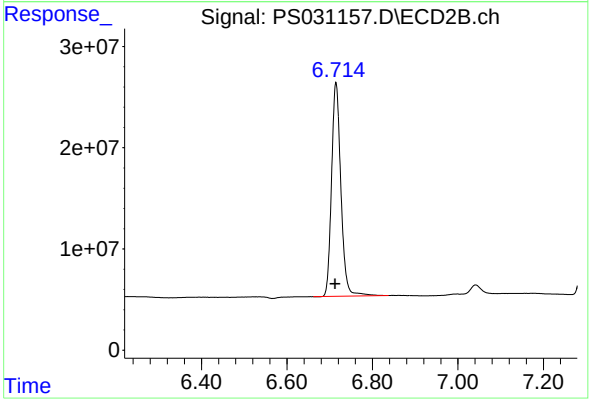
#1 Dalapon

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



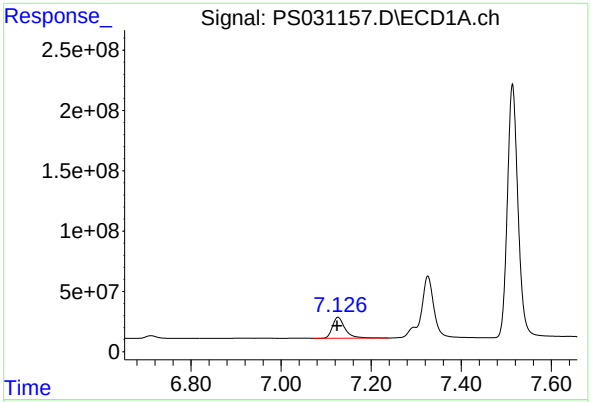
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

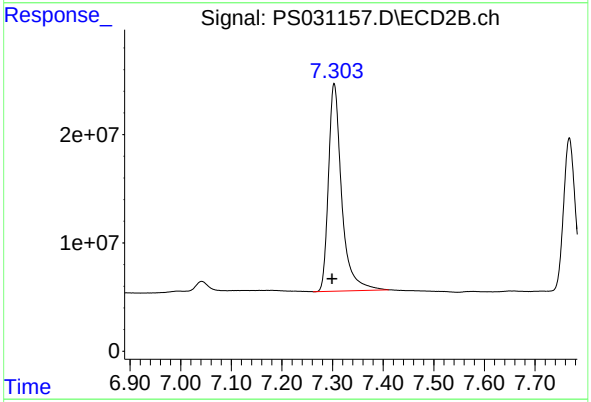
R.T.: 6.715 min
Delta R.T.: 0.002 min
Response: 320502490
Conc: 215.12 ng/ml



#3 4-Nitrophenol

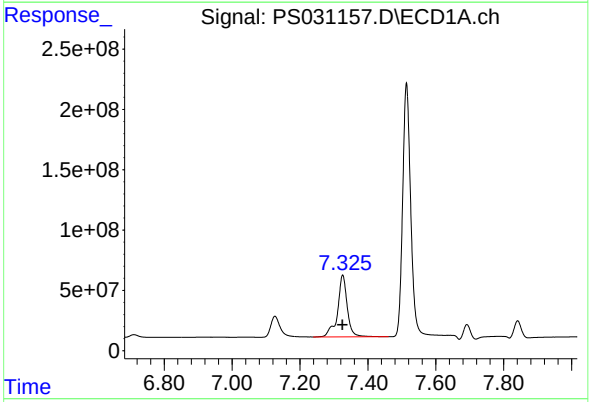
R.T.: 7.126 min
Delta R.T.: 0.002 min
Response: 335551168
Conc: 209.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



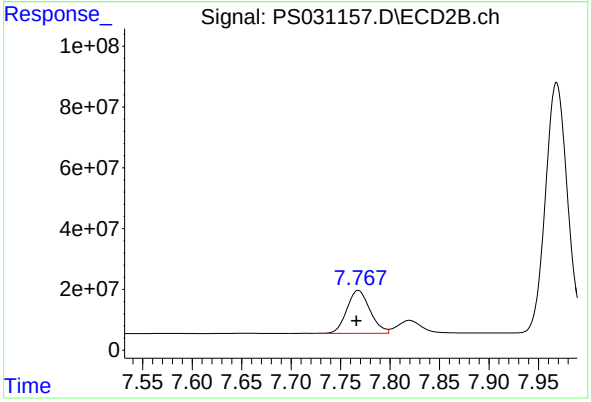
#3 4-Nitrophenol

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



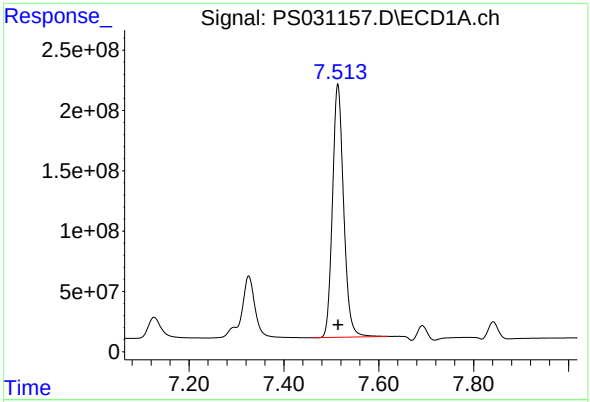
#4 2,4-DCAA

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



#4 2,4-DCAA

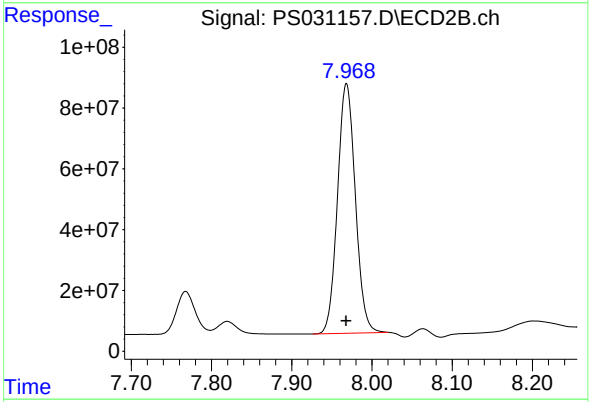
R.T.: 7.768 min
Delta R.T.: 0.002 min
Response: 229461022
Conc: 232.16 ng/ml



#5 DICAMBA

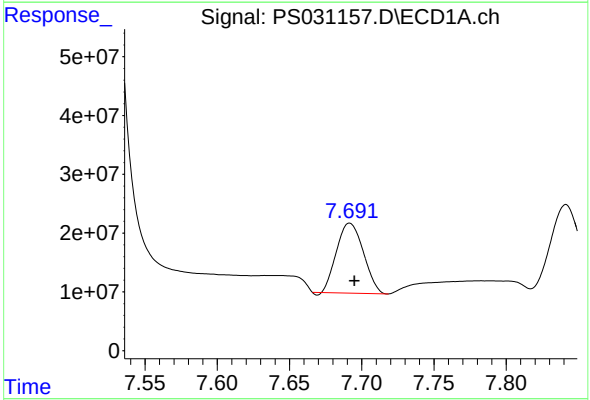
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 3423245167
Conc: 210.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



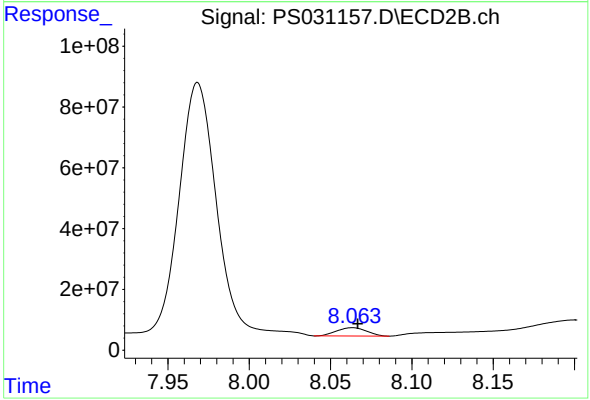
#5 DICAMBA

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



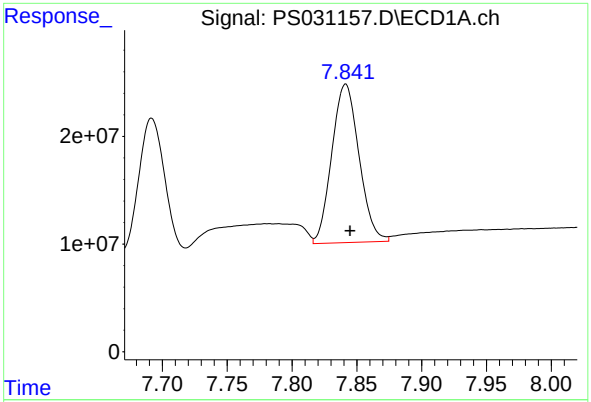
#6 MCPP

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



#6 MCPP

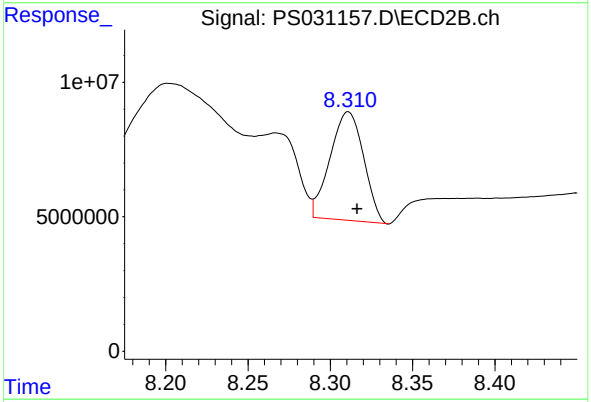
R.T.: 8.063 min
Delta R.T.: -0.003 min
Response: 34811617
Conc: 16.28 ug/ml



#7 MCPA

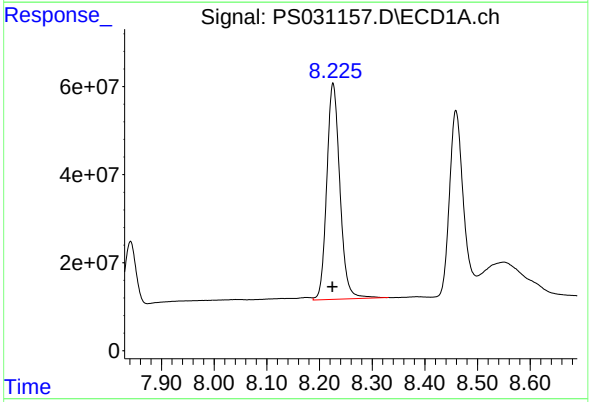
R.T.: 7.841 min
Delta R.T.: -0.003 min
Response: 215377008
Conc: 17.13 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



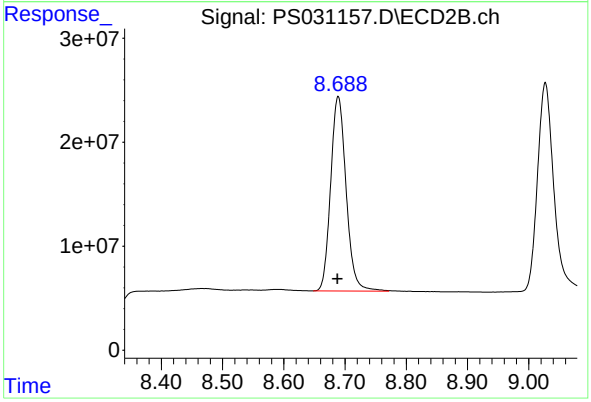
#7 MCPA

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



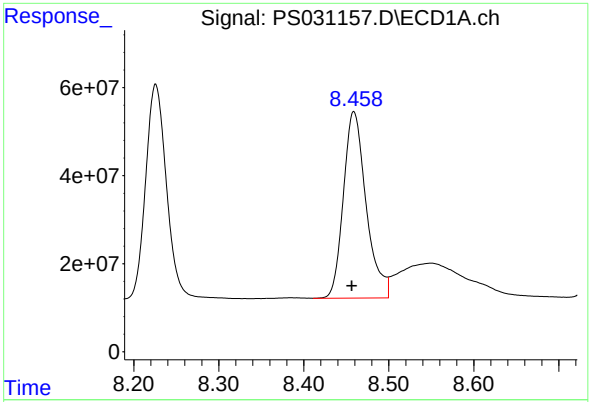
#8 DICHLORPROP

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



#8 DICHLORPROP

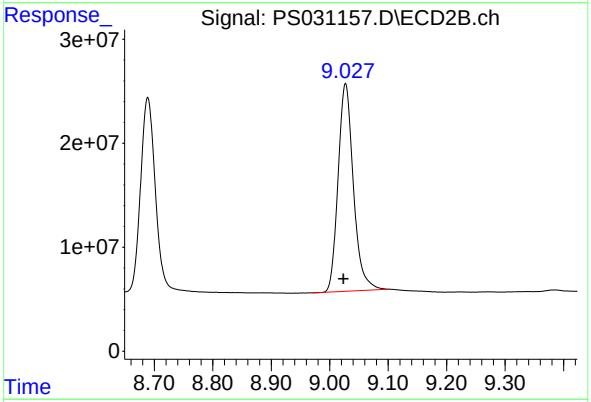
R.T.: 8.689 min
Delta R.T.: 0.001 min
Response: 328001670
Conc: 222.62 ng/ml



#9 2,4-D

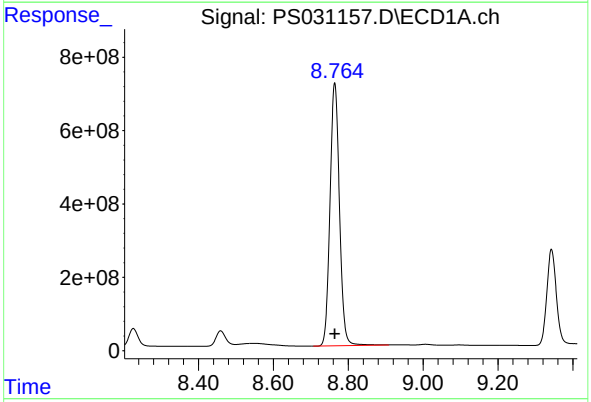
R.T.: 8.459 min
Delta R.T.: 0.003 min
Response: 788445719
Conc: 215.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



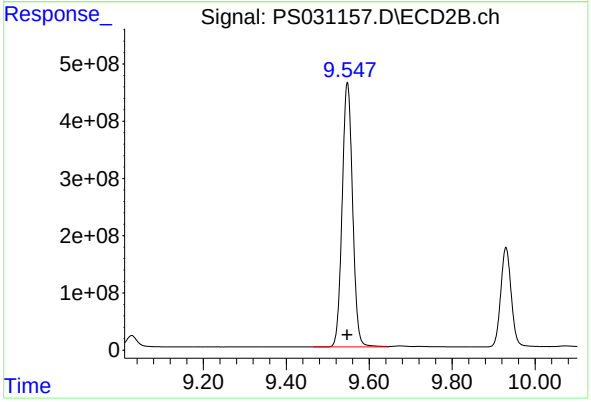
#9 2,4-D

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



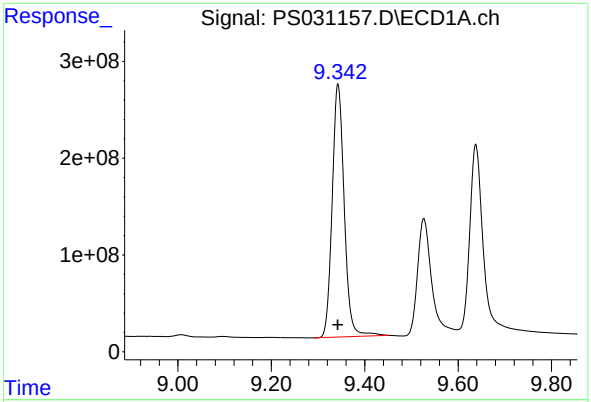
#10 Pentachlorophenol

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



#10 Pentachlorophenol

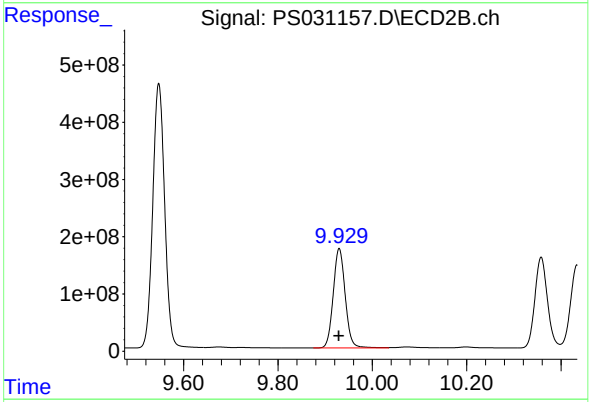
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 8086509060
Conc: 202.36 ng/ml



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

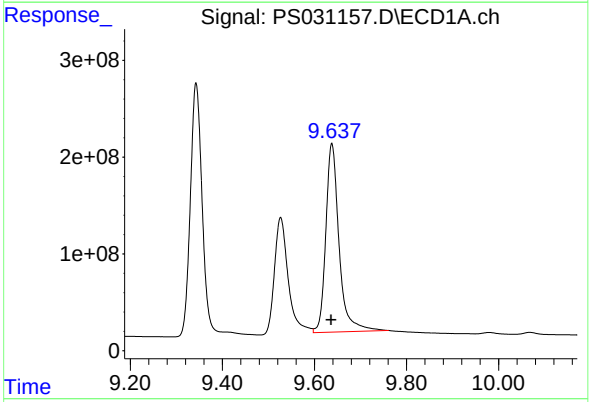
R.T.: 9.343 min
Delta R.T.: 0.001 min
Response: 4672594463
Conc: 215.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



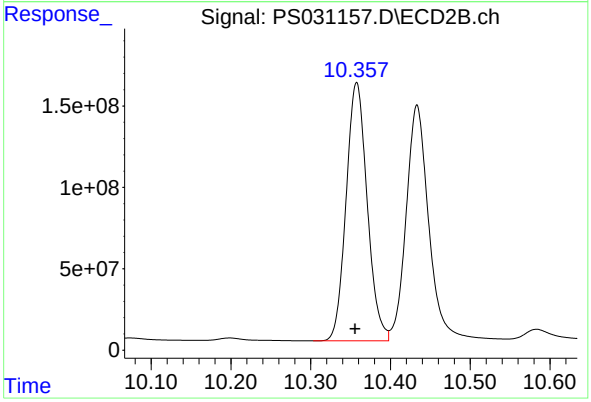
#11 2,4,5-TP (SILVEX)

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



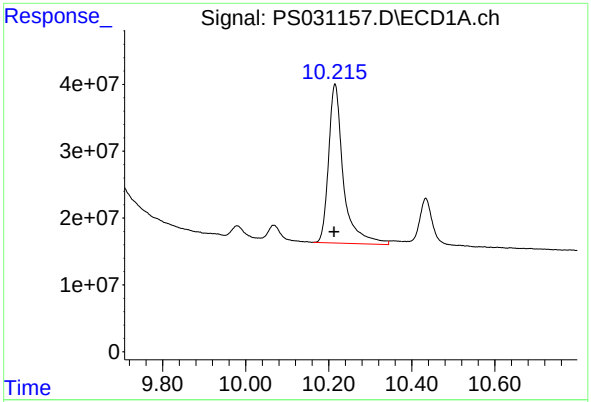
#12 2,4,5-T

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



#12 2,4,5-T

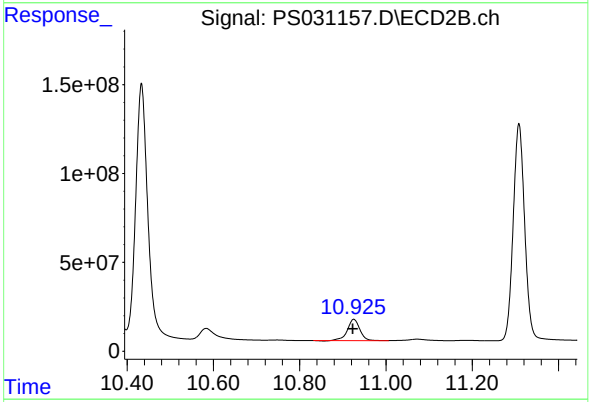
R.T.: 10.358 min
Delta R.T.: 0.002 min
Response: 2914739433
Conc: 205.89 ng/ml



#13 2,4-DB

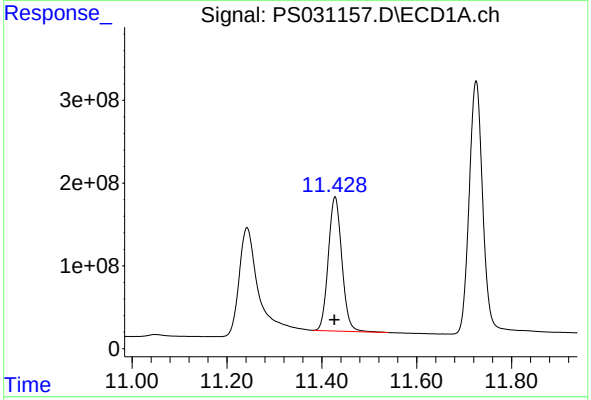
R.T.: 10.215 min
Delta R.T.: 0.002 min
Response: 587521205
Conc: 198.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



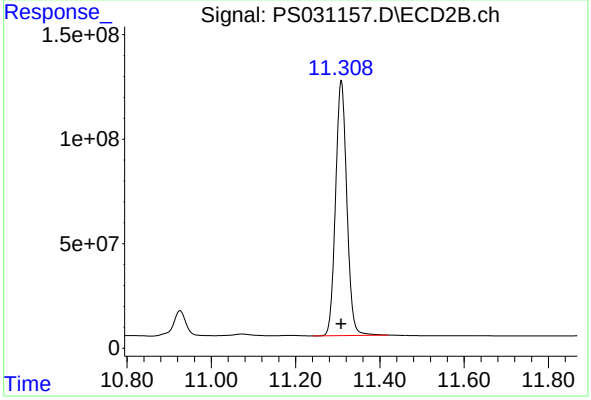
#13 2,4-DB

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



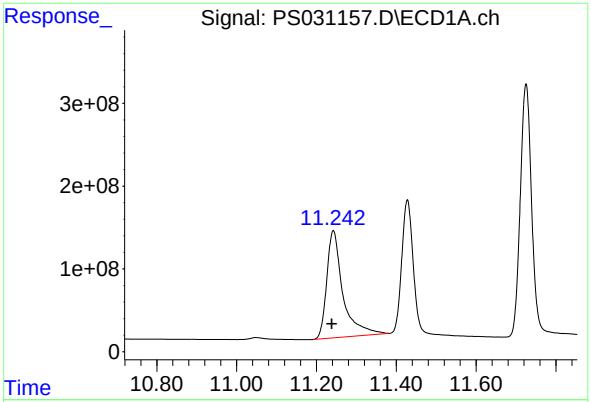
#14 DINOSEB

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



#14 DINOSEB

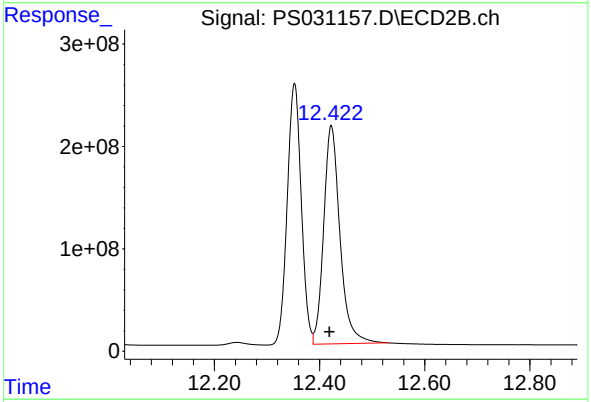
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 2260524674
Conc: 201.01 ng/ml



#15 Picloram

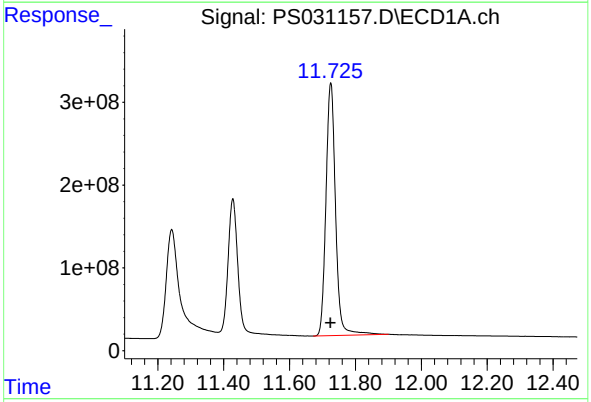
R.T.: 11.242 min
Delta R.T.: 0.004 min
Response: 3638645085
Conc: 180.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



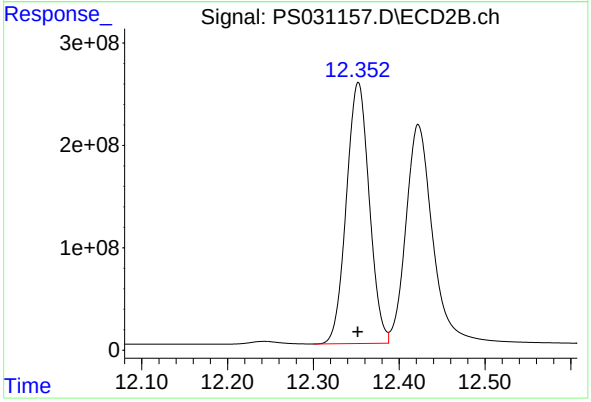
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations APPROVED

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

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

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.325	7.767	2201.7E6	519.9E6	518.195m	526.012
		Target Compounds						
1)	T	Dalapon	2.690	2.705	2959.3E6	1321.5E6	478.152	474.374
2)	T	3,5-DICHL...	6.487	6.714	2659.6E6	740.5E6	495.188	497.017
3)	T	4-Nitroph...	7.125	7.301	767.9E6	829.3E6	478.348	464.714
5)	T	DICAMBA	7.514	7.969	7996.5E6	3086.5E6	491.494	480.989
6)	T	MCPP	7.694	8.066	467.8E6	100.3E6	45.447	46.925
7)	T	MCPA	7.843	8.314	579.7E6	149.5E6	46.099	47.317
8)	T	DICHLORPROP	8.226	8.689	1838.1E6	729.4E6	498.986	495.087
9)	T	2,4-D	8.458	9.026	1795.7E6	819.0E6	491.384	494.516
10)	T	Pentachlo...	8.763	9.548	29107.7E6	19707.8E6	507.927	493.167
11)	T	2,4,5-TP ...	9.343	9.930	10820.5E6	7341.1E6	500.052	494.651
12)	T	2,4,5-T	9.637	10.357	9577.2E6	6973.3E6	490.924	492.588
13)	T	2,4-DB	10.214	10.925	1431.5E6	570.7E6	483.190	493.144
14)	T	DINOSEB	11.428	11.309	7542.8E6	5427.1E6	489.222	482.587
15)	T	Picloram	11.240	12.420	9521.9E6	12061.4E6	472.975	474.969
16)	T	DCPA	11.726	12.353	14463.8E6	11492.2E6	510.682	496.241

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

ICAL Form

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

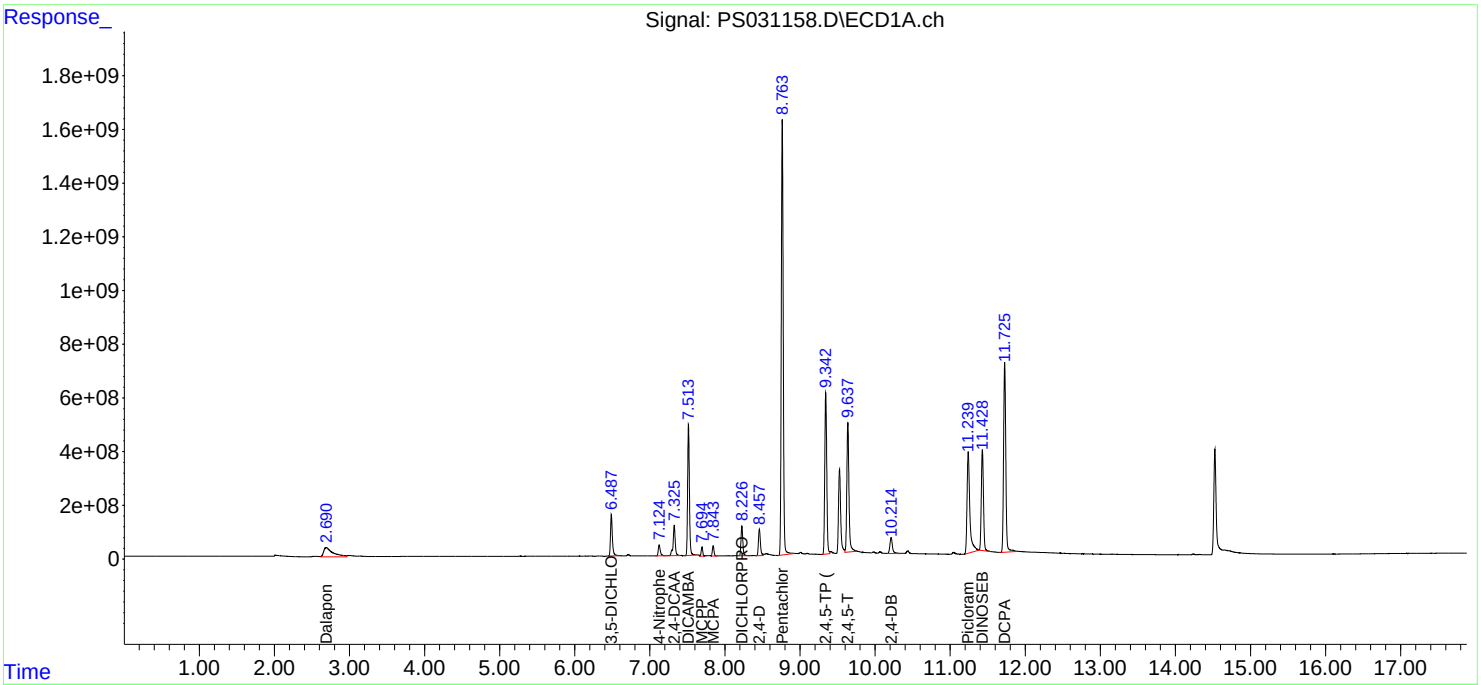
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

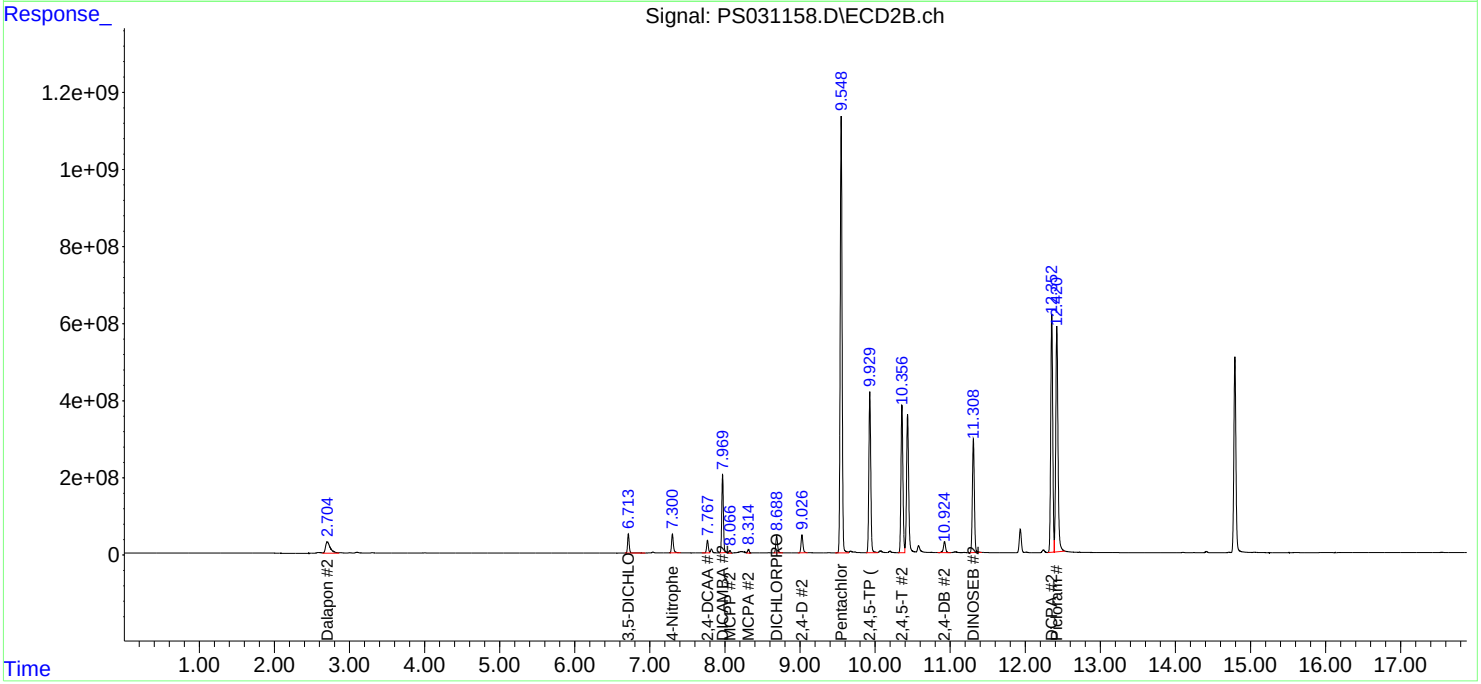
Manual Integrations APPROVED

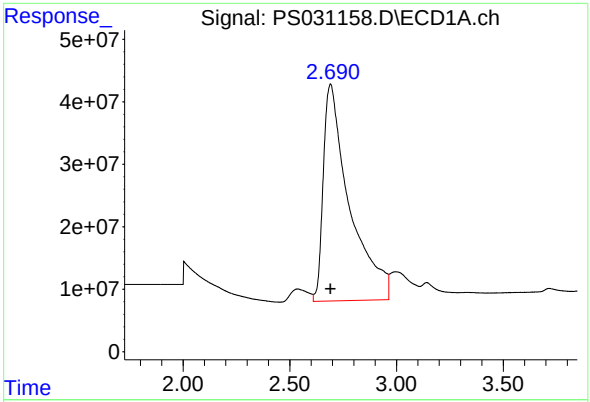
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

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

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







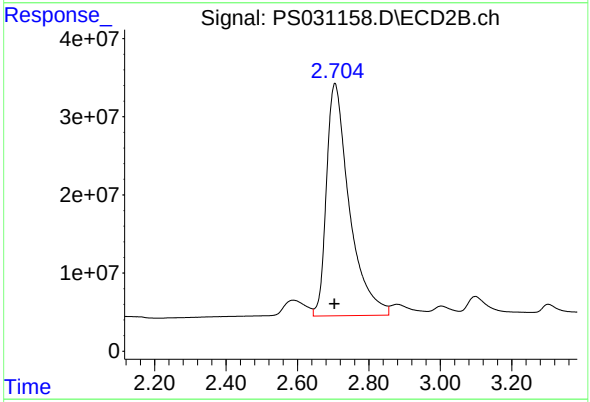
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

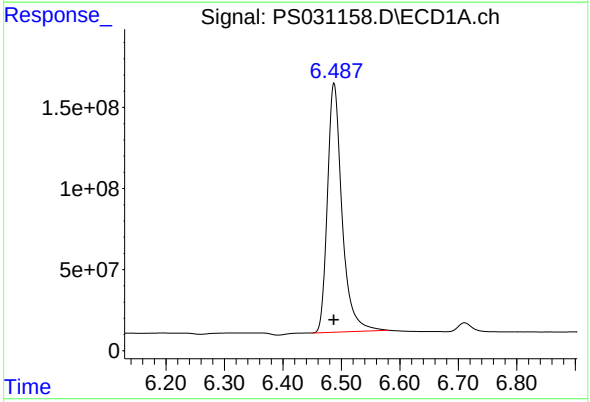
Manual Integrations APPROVED

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



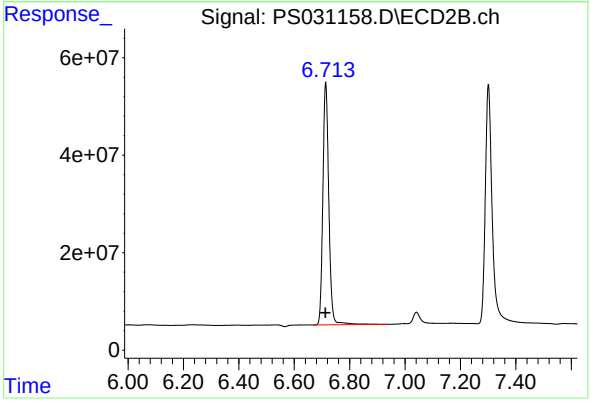
#1 Dalapon

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



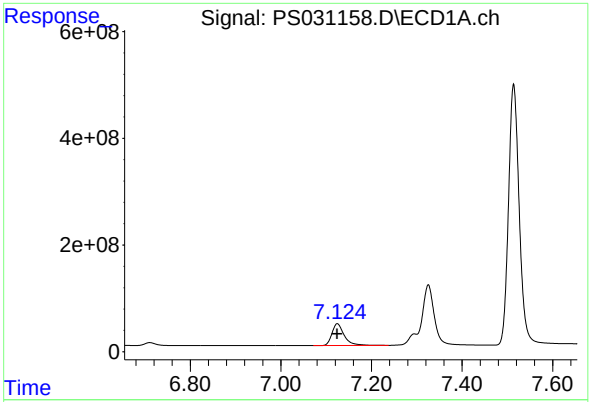
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

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



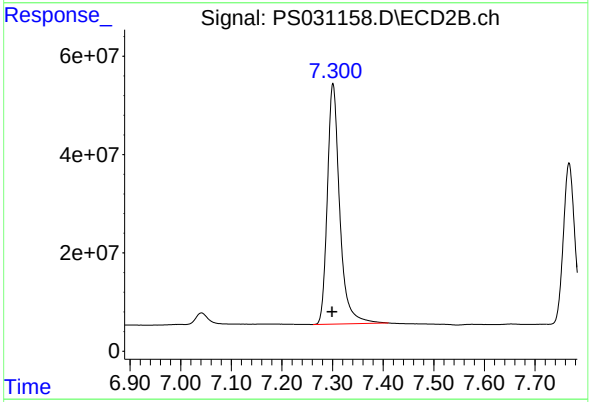
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

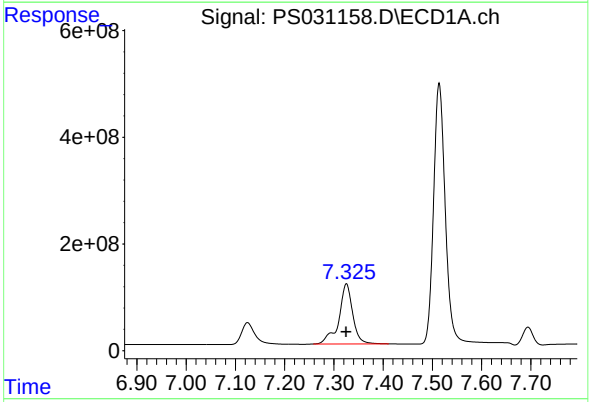
Manual Integrations APPROVED

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



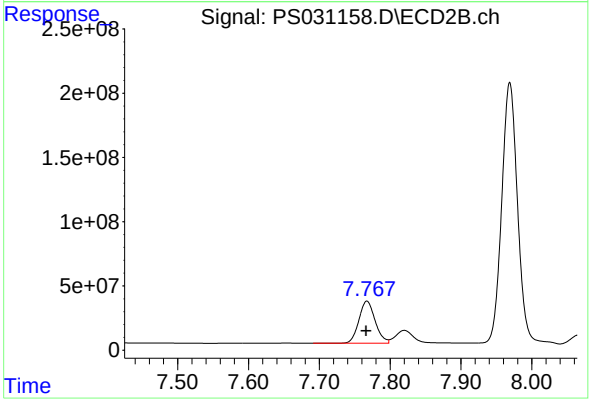
#3 4-Nitrophenol

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



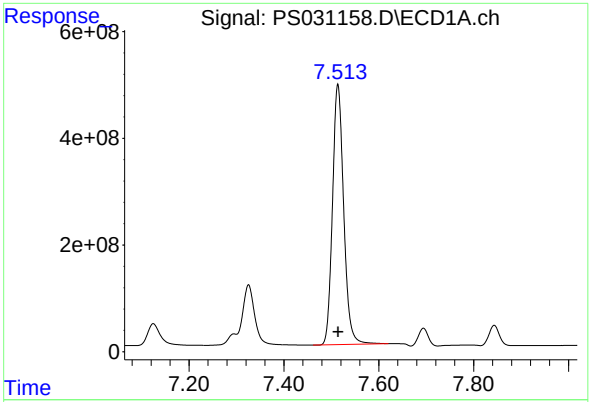
#4 2,4-DCAA

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



#4 2,4-DCAA

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



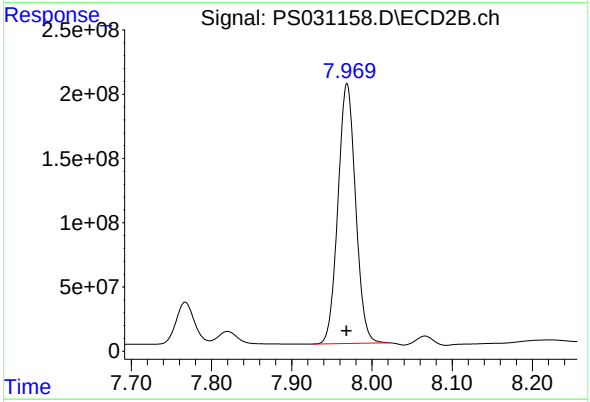
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

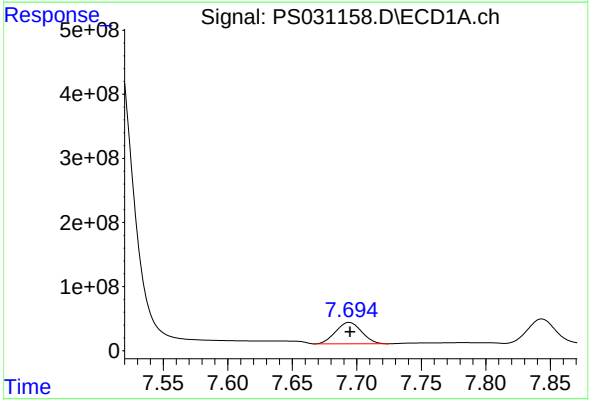
Manual Integrations APPROVED

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



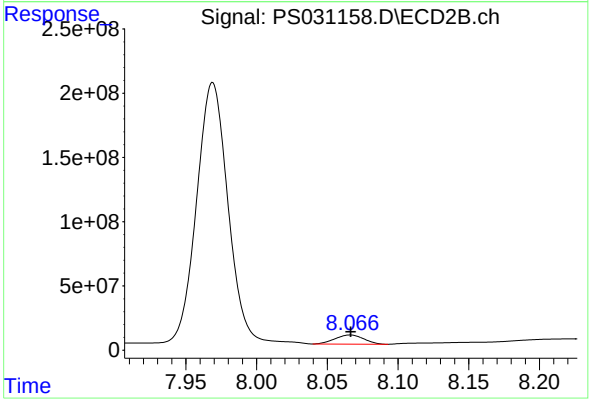
#5 DICAMBA

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



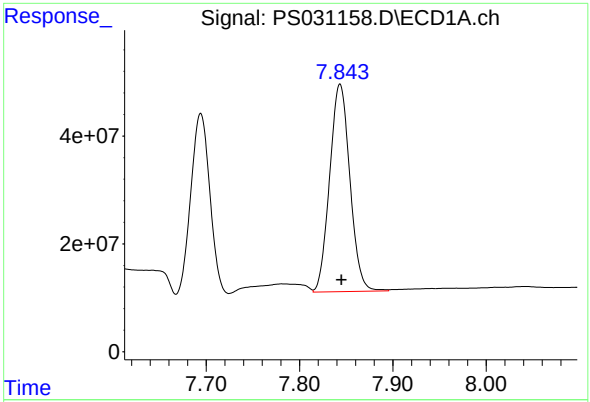
#6 MCPP

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



#6 MCPP

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



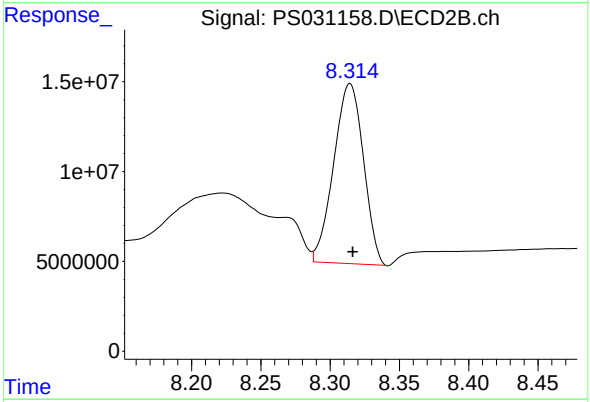
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

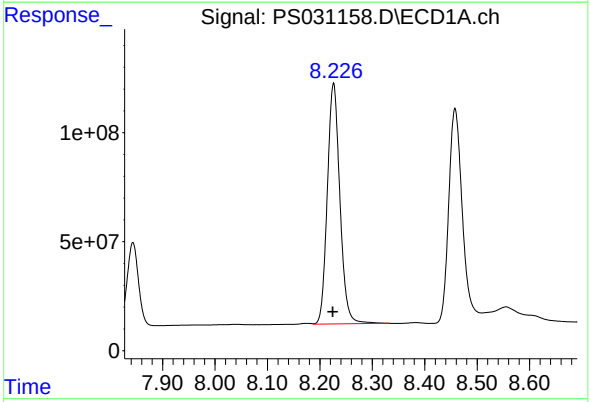
Manual Integrations APPROVED

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



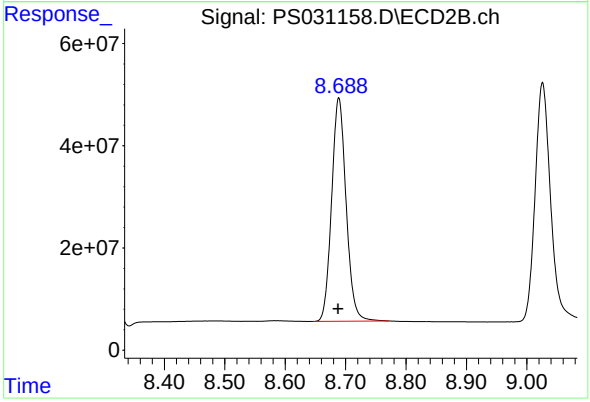
#7 MCPA

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



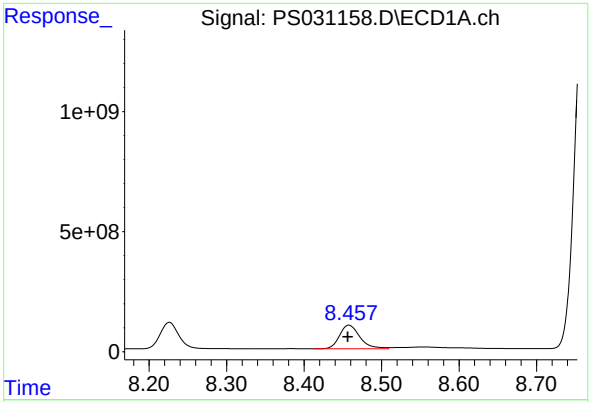
#8 DICHLORPROP

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



#8 DICHLORPROP

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



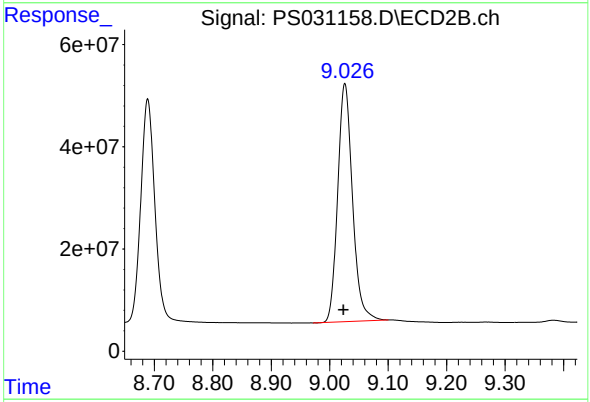
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

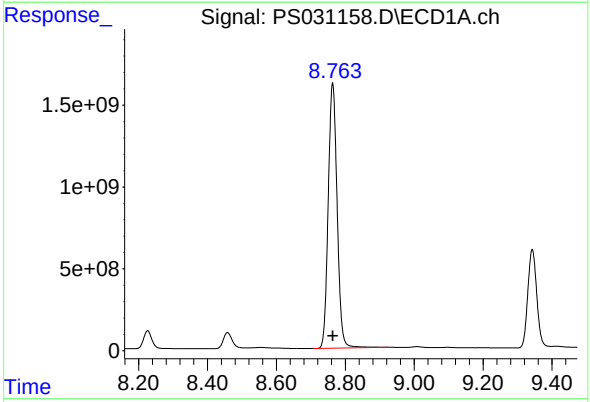
Manual Integrations APPROVED

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



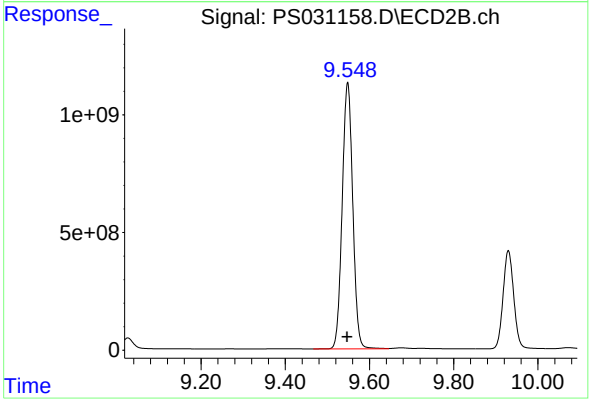
#9 2,4-D

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



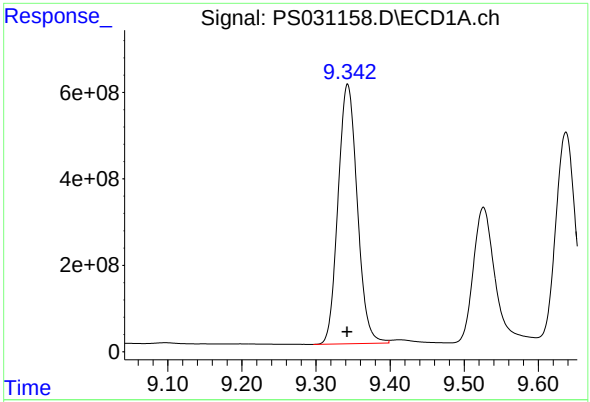
#10 Pentachlorophenol

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



#10 Pentachlorophenol

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



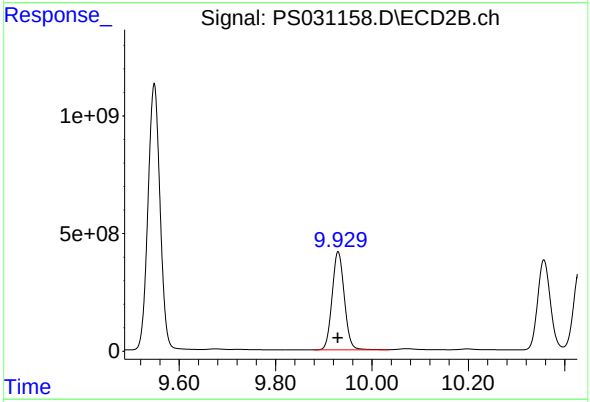
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

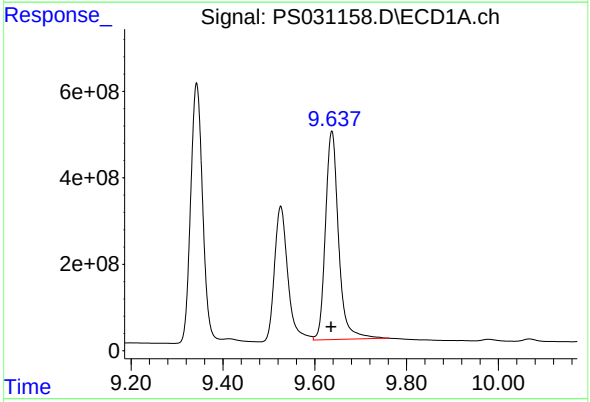
Manual Integrations APPROVED

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



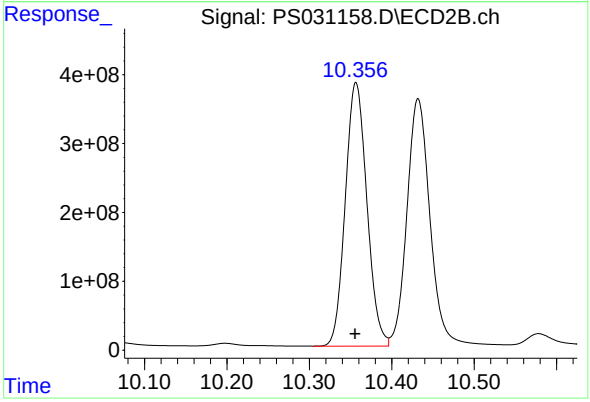
#11 2,4,5-TP (SILVEX)

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



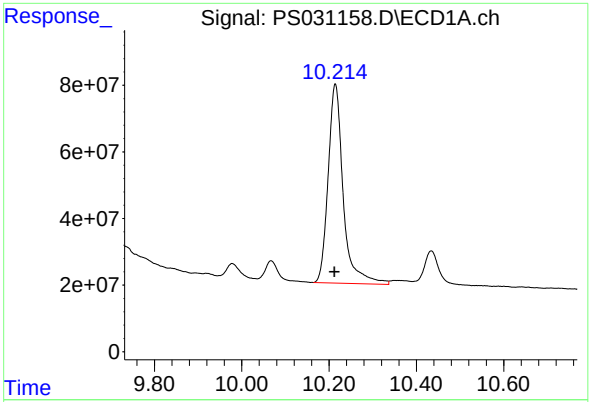
#12 2,4,5-T

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



#12 2,4,5-T

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



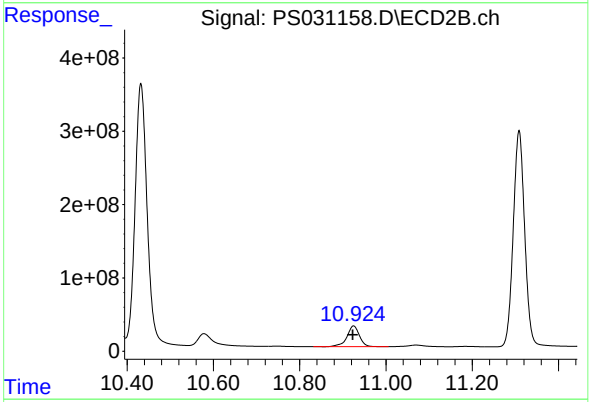
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

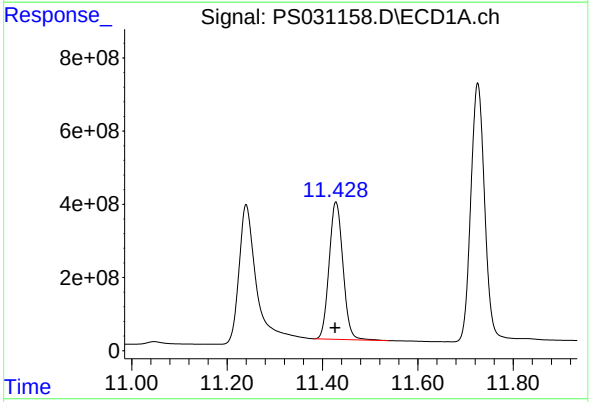
Manual Integrations APPROVED

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



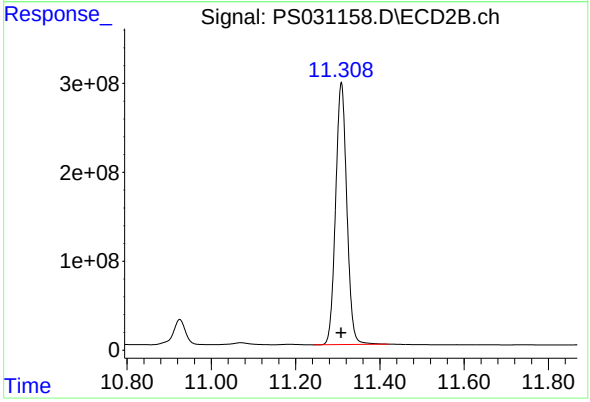
#13 2,4-DB

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



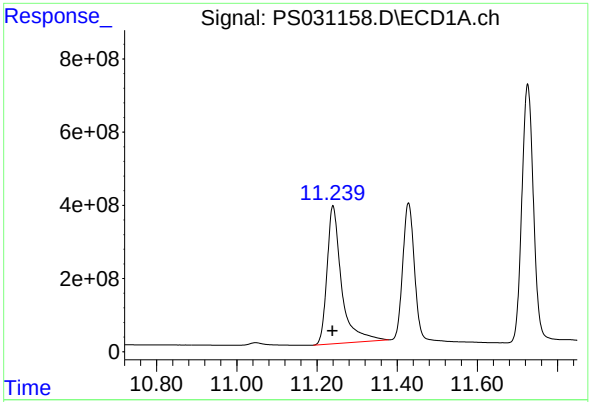
#14 DINOSEB

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



#14 DINOSEB

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



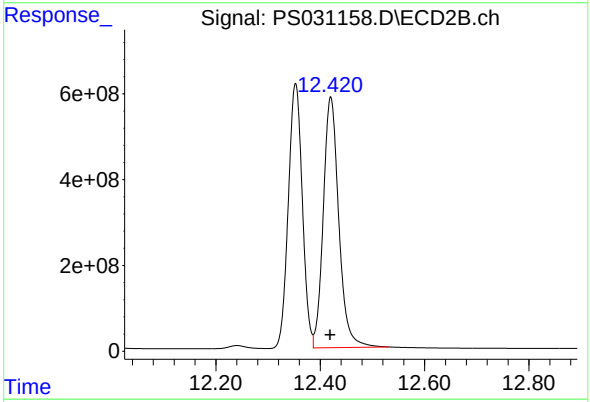
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

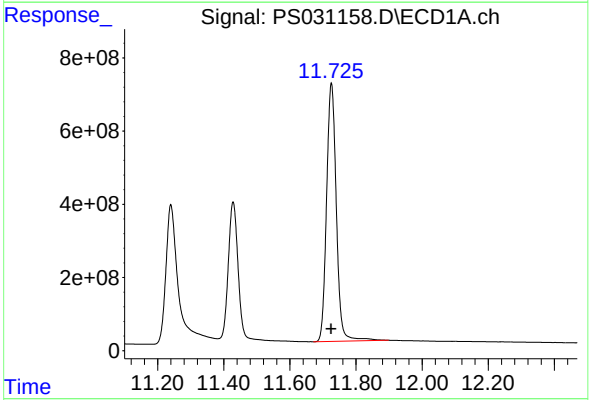
Manual Integrations APPROVED

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



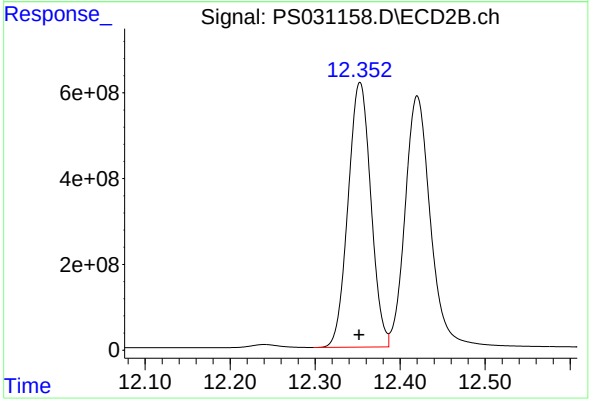
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.325	7.766	3186.5E6	741.3E6	750.000	750.000
	Target Compounds						
1) T	Dalapon	2.690	2.703	4224.0E6	1901.3E6	682.500	682.500
2) T	3,5-DICHL...	6.487	6.713	3746.2E6	1039.2E6	697.500	697.500
3) T	4-Nitroph...	7.124	7.299	1095.6E6	1217.9E6	682.500	682.500
5) T	DICAMBA	7.514	7.968	11470.2E6	4523.9E6	705.000	705.000
6) T	MCPP	7.695	8.067	725.7E6	150.8E6	70.500	70.500
7) T	MCPA	7.845	8.316	877.2E6	220.4E6	69.750	69.750
8) T	DICHLORPROP	8.224	8.688	2596.9E6	1038.7E6	705.000	705.000
9) T	2,4-D	8.456	9.024	2576.4E6	1167.6E6	705.000	705.000
10) T	Pentachlo...	8.764	9.547	40831.1E6	28472.7E6	712.500	712.500
11) T	2,4,5-TP ...	9.342	9.929	15417.6E6	10574.1E6	712.500	712.500
12) T	2,4,5-T	9.636	10.356	13899.8E6	10086.5E6	712.500	712.500
13) T	2,4-DB	10.213	10.923	2110.9E6	824.5E6	712.500	712.500
14) T	DINOSEB	11.427	11.308	10869.7E6	7928.3E6	705.000	705.000
15) T	Picloram	11.239	12.419	14344.0E6	18093.3E6	712.500	712.500
16) T	DCPA	11.724	12.352	20392.2E6	16674.1E6	720.000	720.000

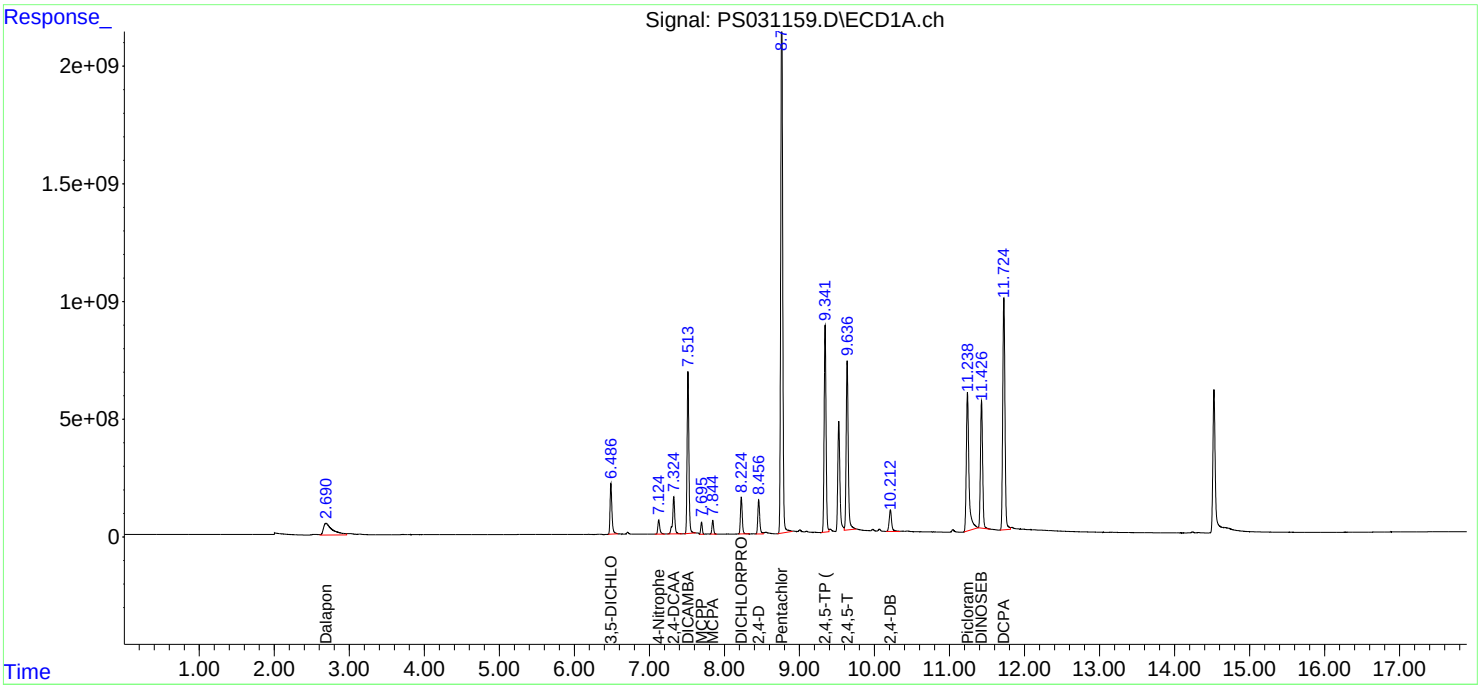
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

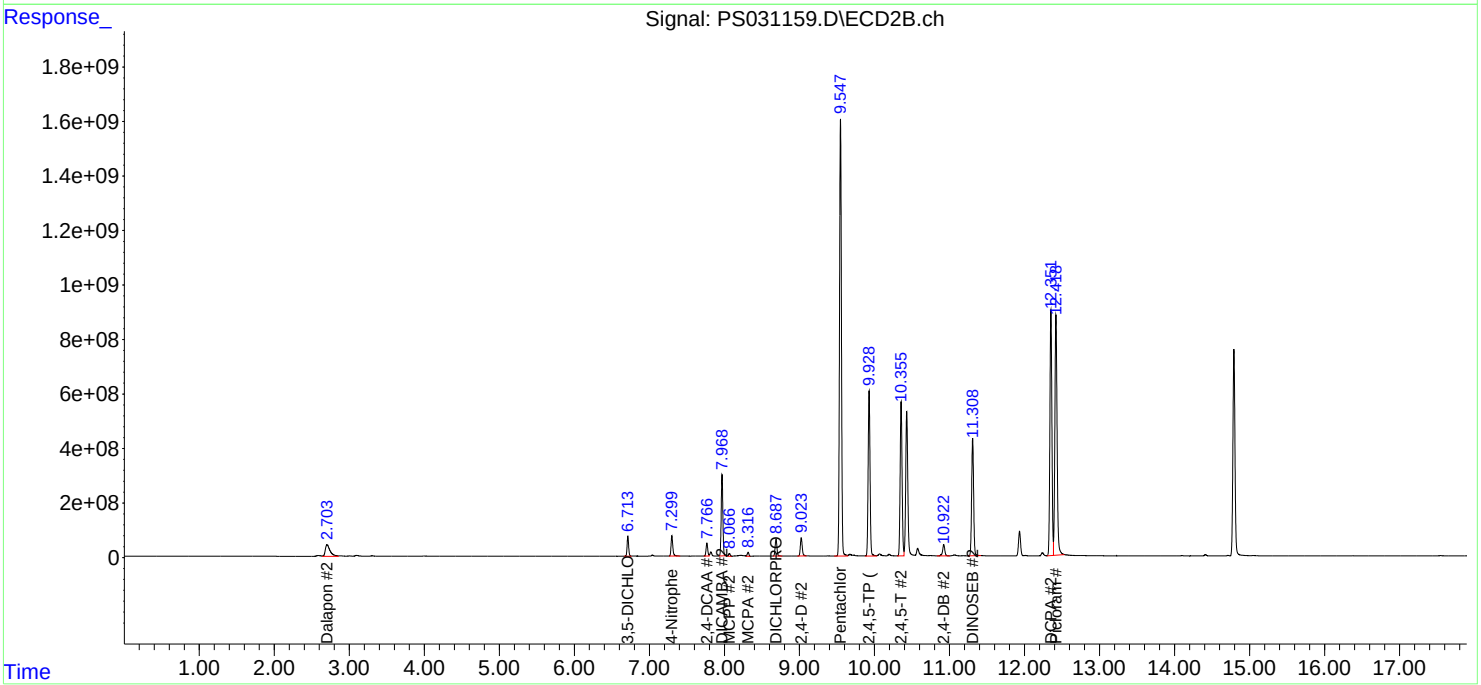
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031159.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:51
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

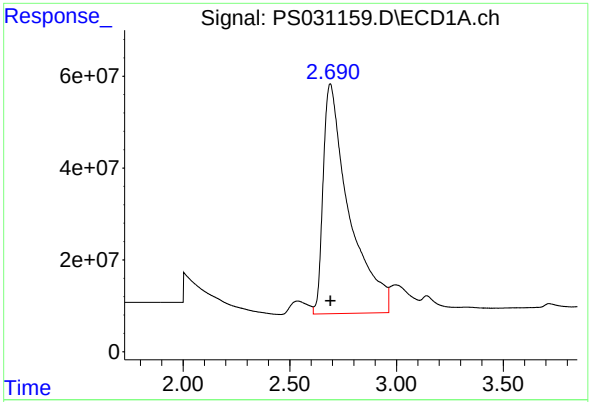
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

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

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



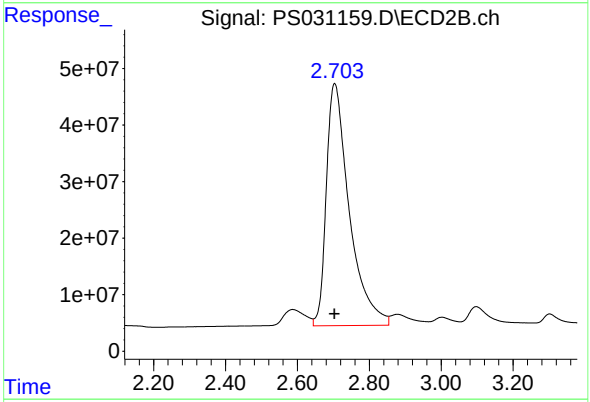




#1 Dalapon

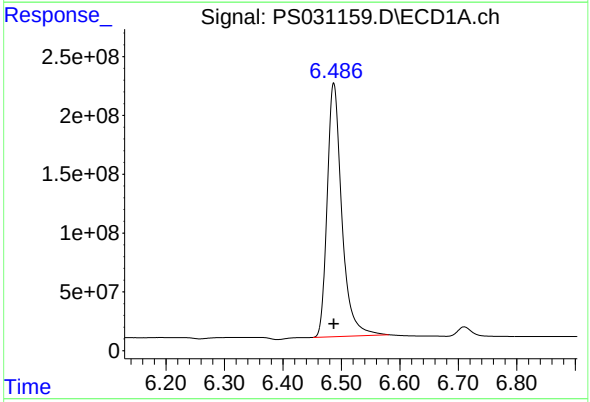
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 4224012852
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



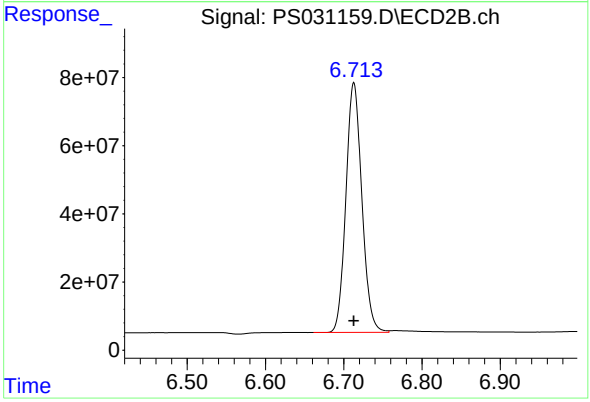
#1 Dalapon

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



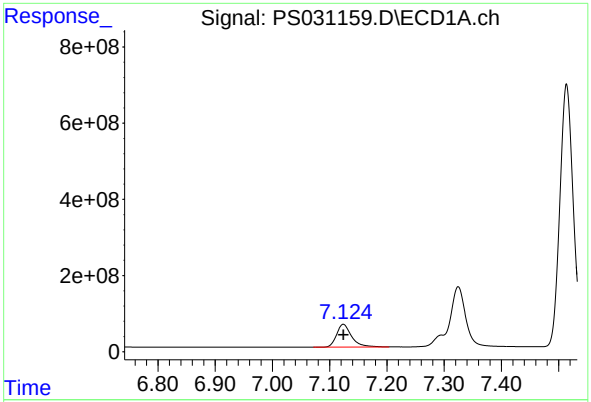
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

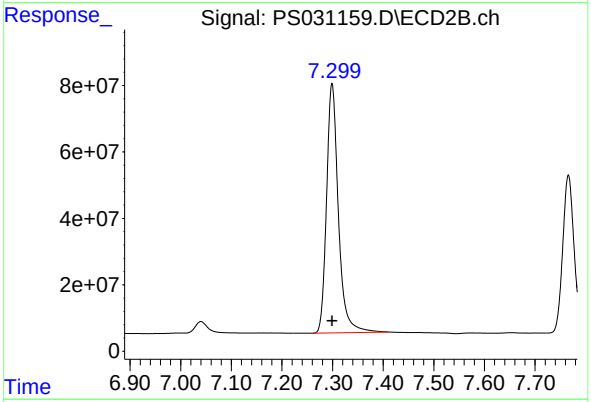
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1039212665
Conc: 697.50 ng/ml



#3 4-Nitrophenol

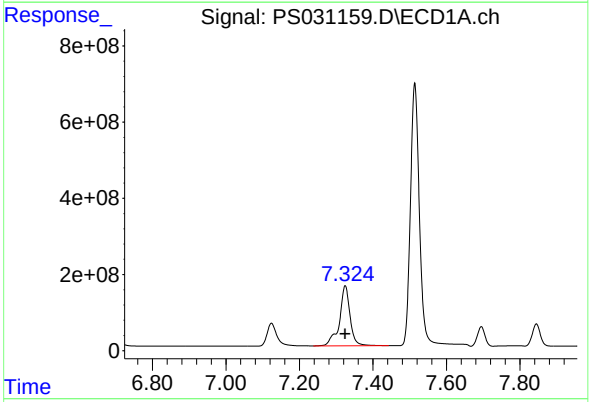
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1095621662
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



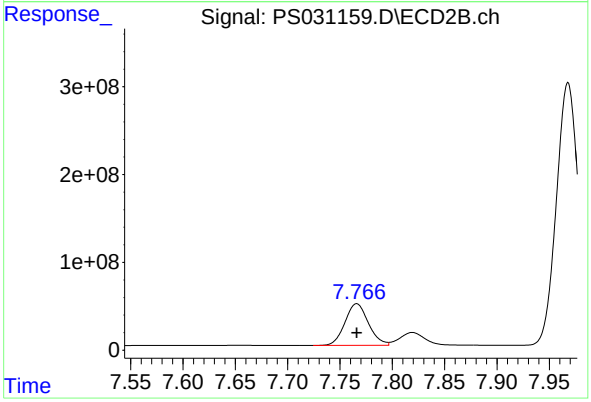
#3 4-Nitrophenol

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



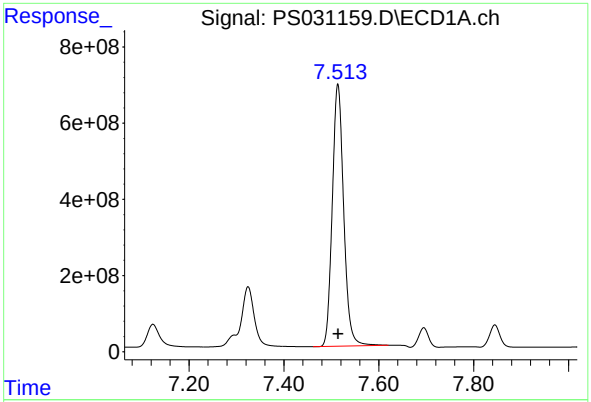
#4 2,4-DCAA

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



#4 2,4-DCAA

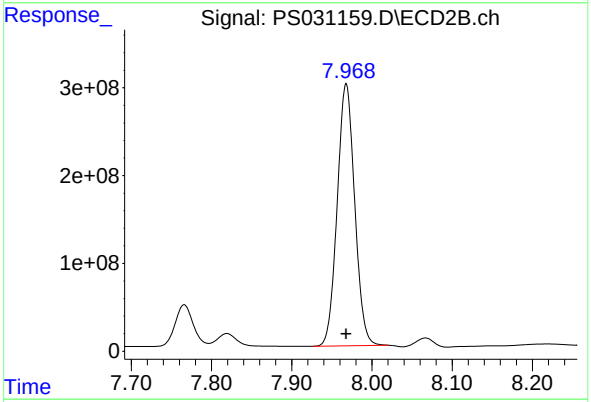
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 741295289
Conc: 750.00 ng/ml



#5 DICAMBA

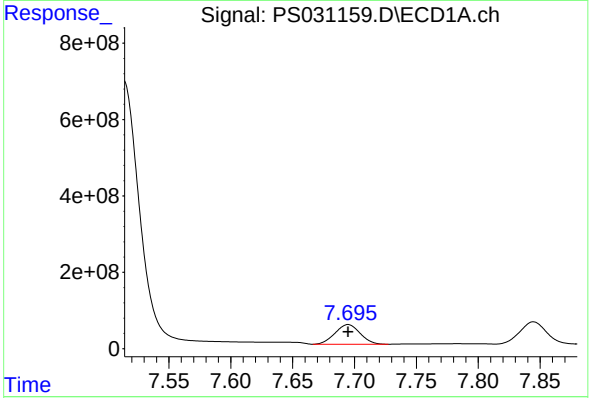
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 11470202403
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



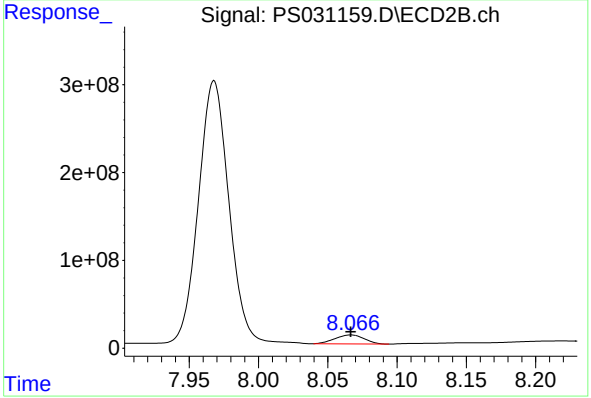
#5 DICAMBA

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



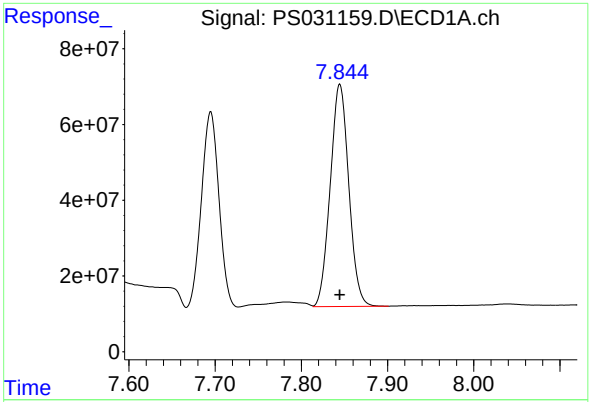
#6 MCPP

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



#6 MCPP

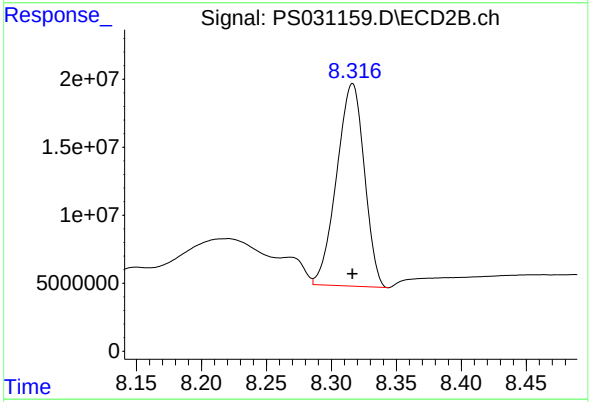
R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 150759642
Conc: 70.50 ug/ml



#7 MCPA

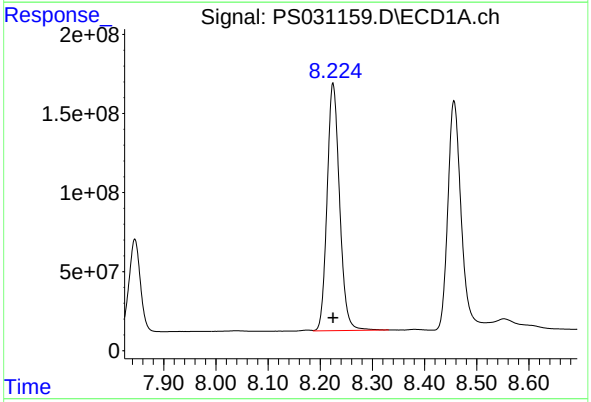
R.T.: 7.845 min
Delta R.T.: 0.000 min
Response: 877165270
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



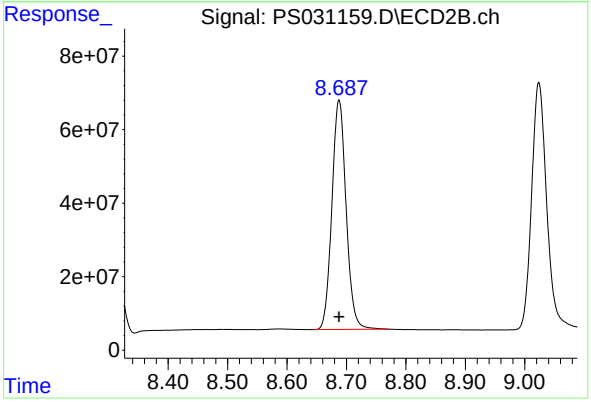
#7 MCPA

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



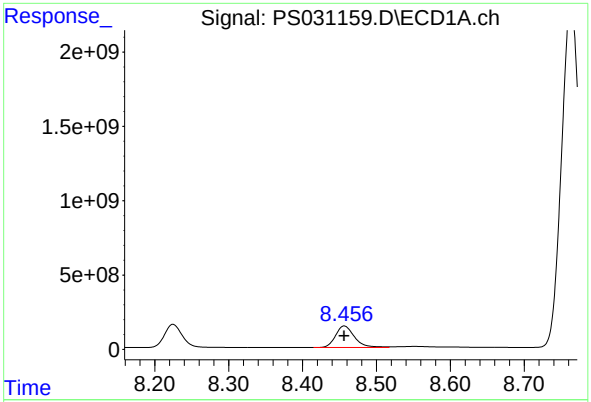
#8 DICHLORPROP

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



#8 DICHLORPROP

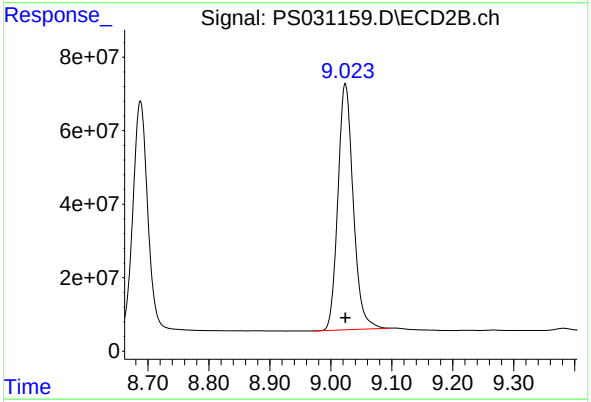
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1038723007
Conc: 705.00 ng/ml



#9 2,4-D

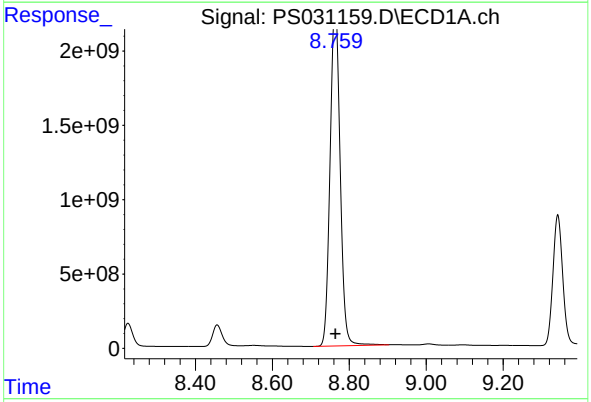
R.T.: 8.456 min
Delta R.T.: 0.000 min
Response: 2576397088
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



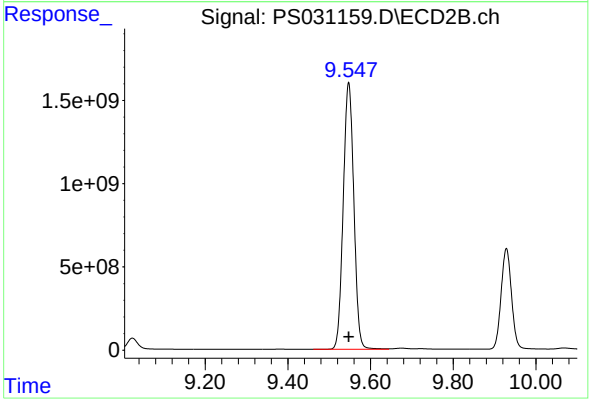
#9 2,4-D

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



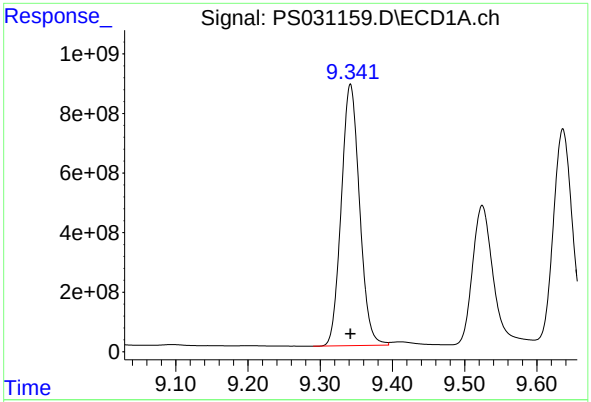
#10 Pentachlorophenol

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



#10 Pentachlorophenol

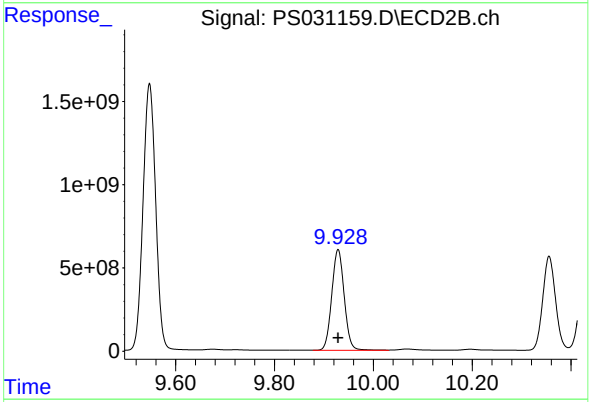
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 28472689879
Conc: 712.50 ng/ml



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

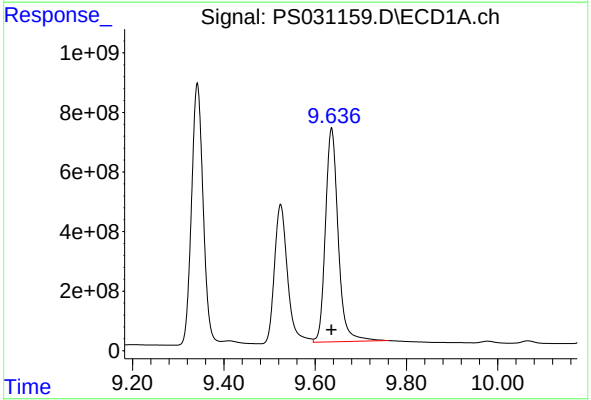
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 15417581775
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



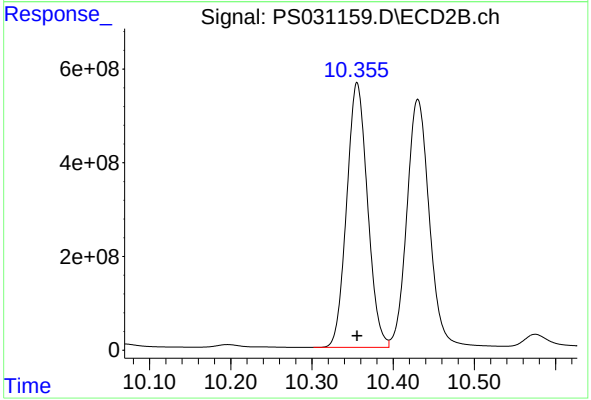
#11 2,4,5-TP (SILVEX)

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



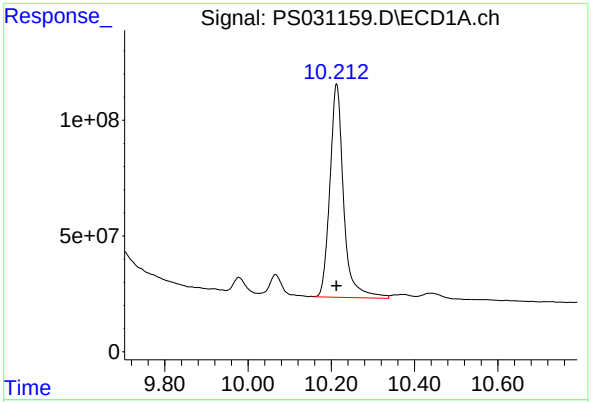
#12 2,4,5-T

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



#12 2,4,5-T

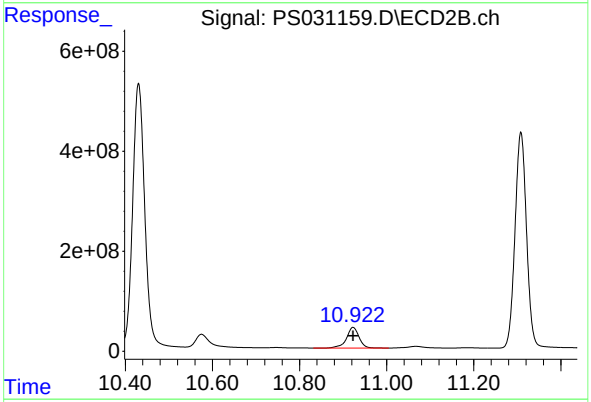
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 10086489003
Conc: 712.50 ng/ml



#13 2,4-DB

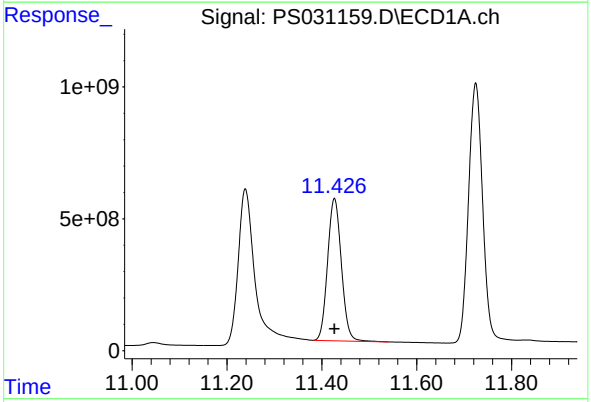
R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 2110870159
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



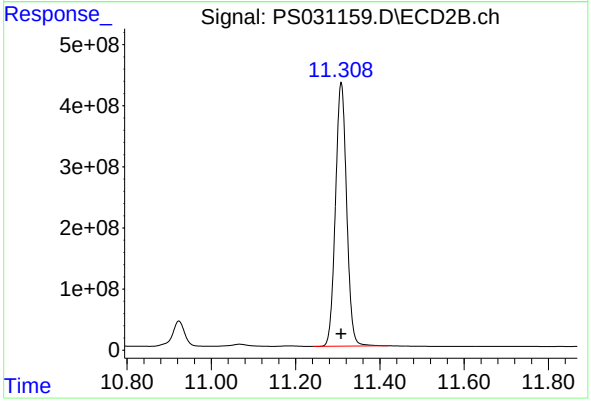
#13 2,4-DB

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



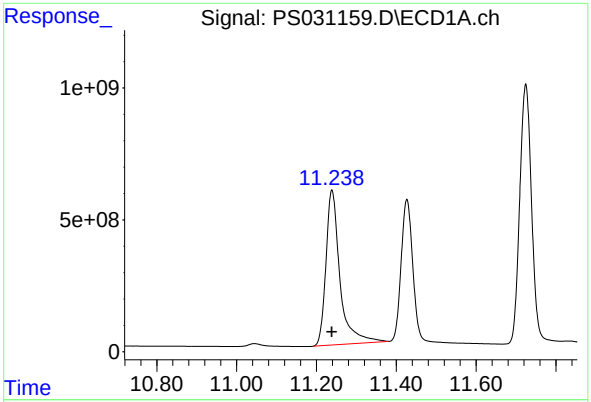
#14 DINOSEB

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



#14 DINOSEB

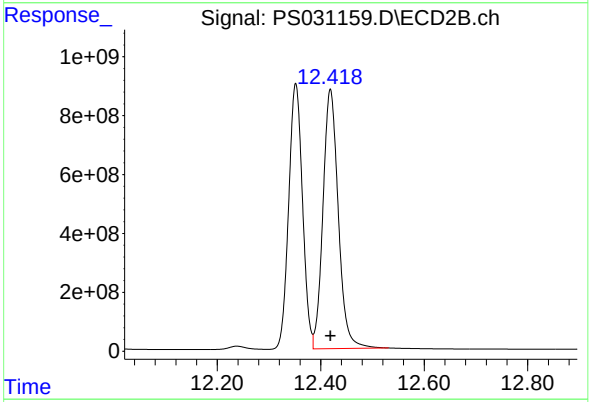
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 7928284747
Conc: 705.00 ng/ml



#15 Picloram

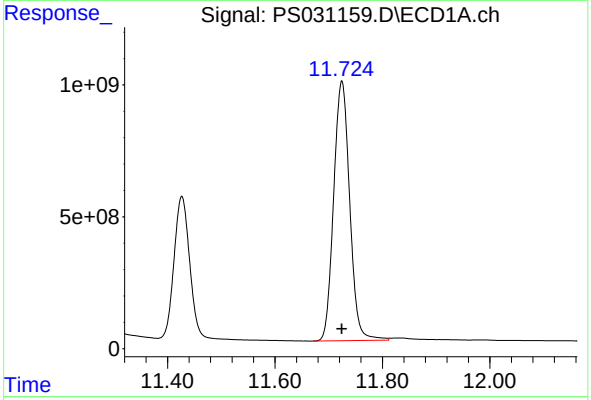
R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 14344036300
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



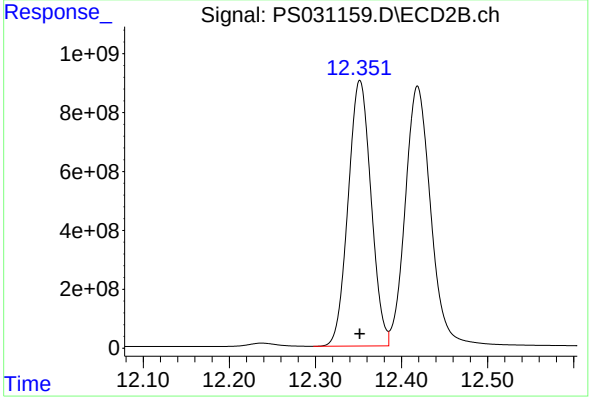
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

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

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.325	7.767	4081.1E6	963.1E6	960.548	974.410
		Target Compounds						
1)	T	Dalapon	2.689	2.704	5453.5E6	2469.7E6	881.153	886.533
2)	T	3,5-DICHL...	6.488	6.713	4802.5E6	1352.4E6	894.170	907.714
3)	T	4-Nitroph...	7.124	7.299	1421.4E6	1607.0E6	885.429	900.562
5)	T	DICAMBA	7.514	7.969	14833.0E6	5935.2E6	911.687	924.924
6)	T	MCPP	7.697	8.069	988.3E6	202.3E6	96.010	94.579
7)	T	MCPA	7.847	8.319	1186.7E6	292.4E6	94.362	92.559
8)	T	DICHLORPROP	8.226	8.688	3335.1E6	1341.1E6	905.388	910.253
9)	T	2,4-D	8.458	9.025	3339.3E6	1508.0E6	913.771	910.492
10)	T	Pentachlo...	8.766	9.548	47049.8E6	36703.3E6	821.015	918.463
11)	T	2,4,5-TP ...	9.343	9.929	19814.3E6	13630.7E6	915.689	918.454
12)	T	2,4,5-T	9.637	10.356	18055.2E6	13055.2E6	925.505	922.208
13)	T	2,4-DB	10.214	10.924	2771.7E6	1069.0E6	935.560	923.814
14)	T	DINOSEB	11.428	11.308	14020.1E6	10337.9E6	909.338	919.272
15)	T	Picloram	11.239	12.419	19111.4E6	23828.6E6	949.306	938.353
16)	T	DCPA	11.725	12.353	25980.1E6	21487.8E6	917.296	927.856

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

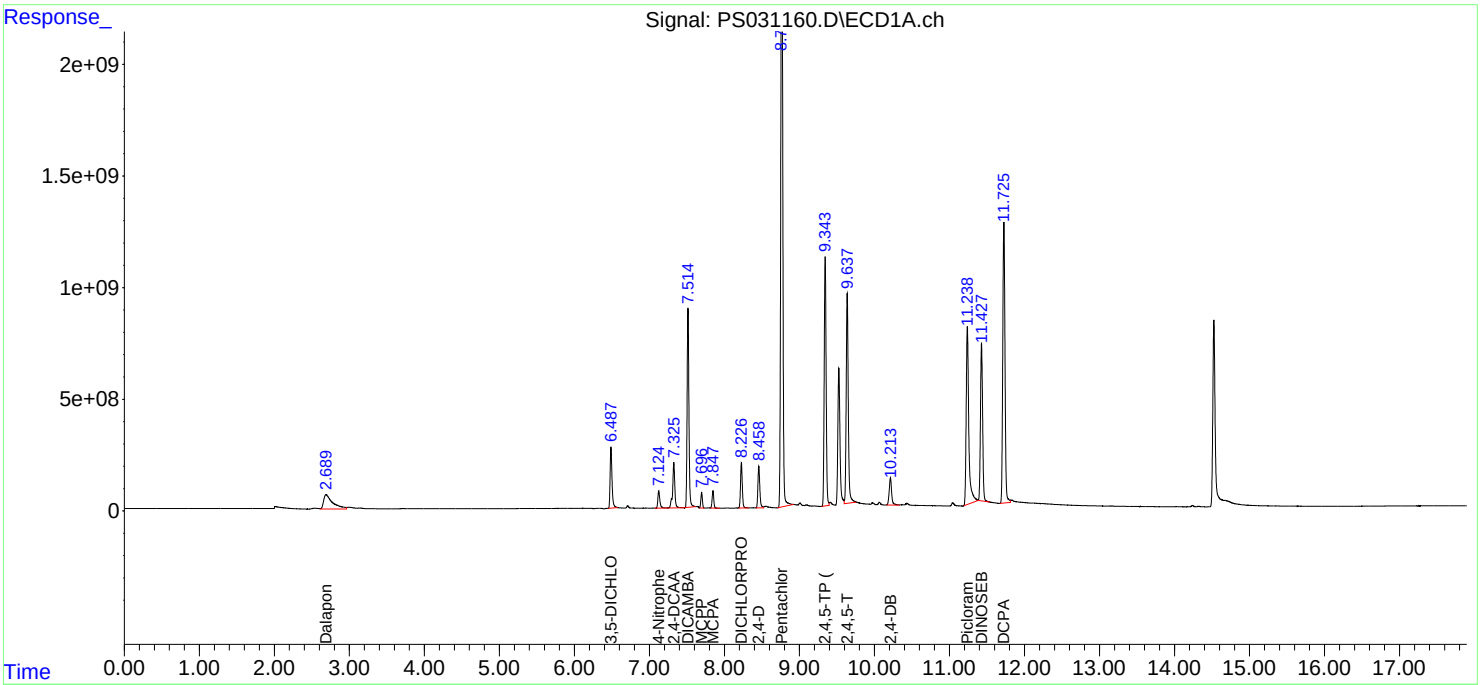
ICAL Form

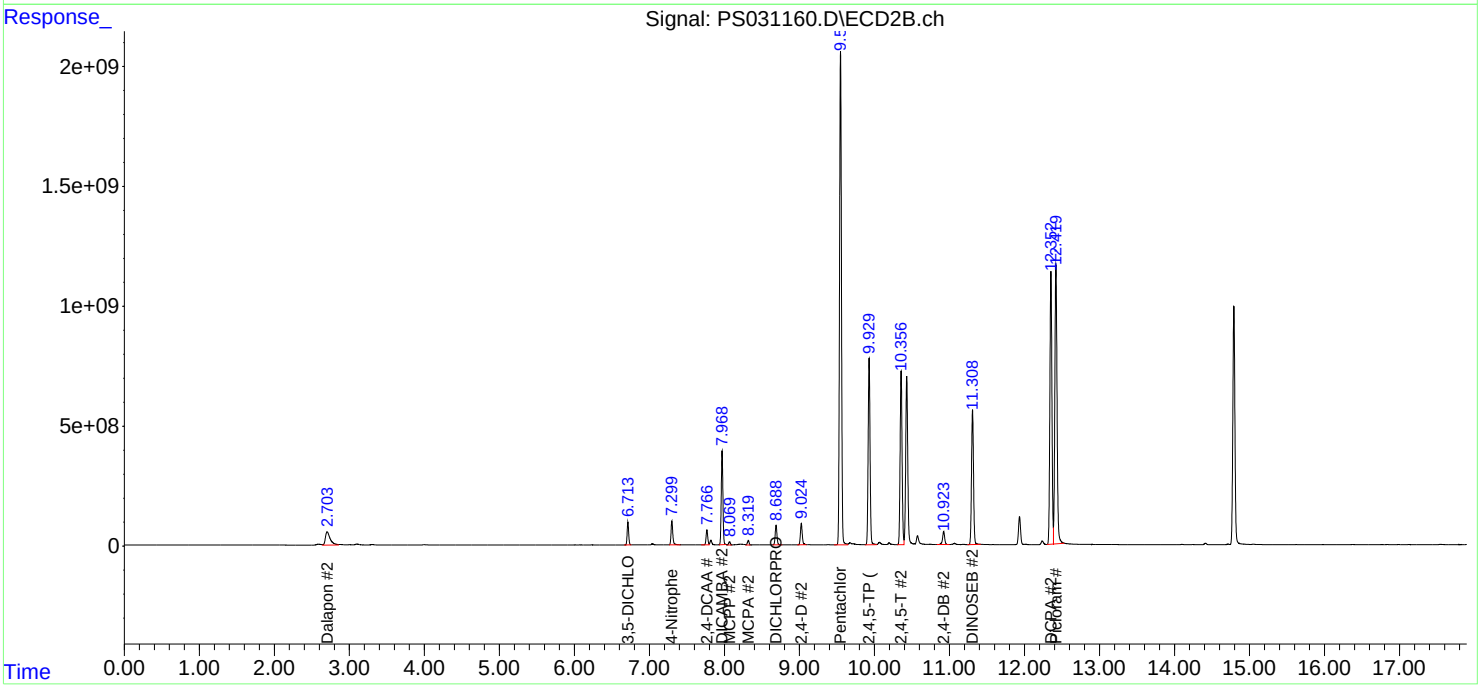
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031160.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:15
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

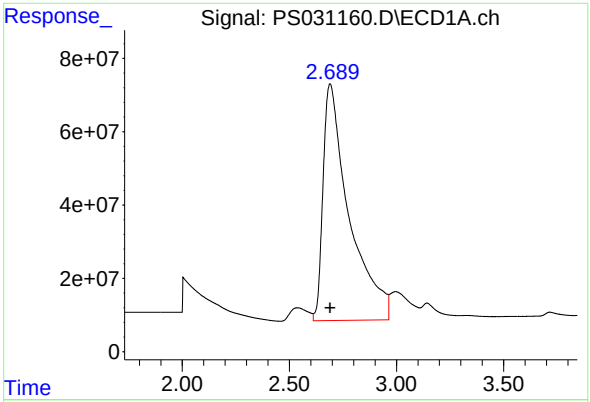
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

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

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



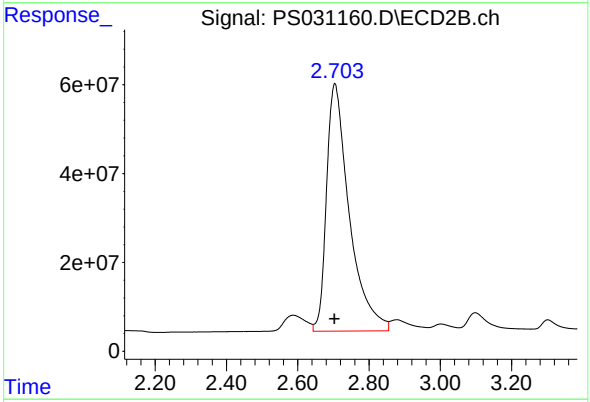




#1 Dalapon

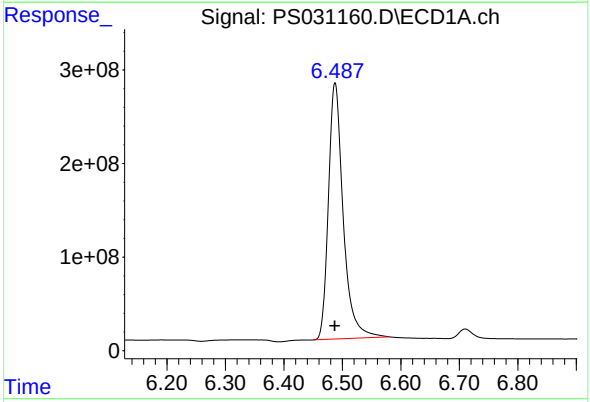
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 5453482387
Conc: 881.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



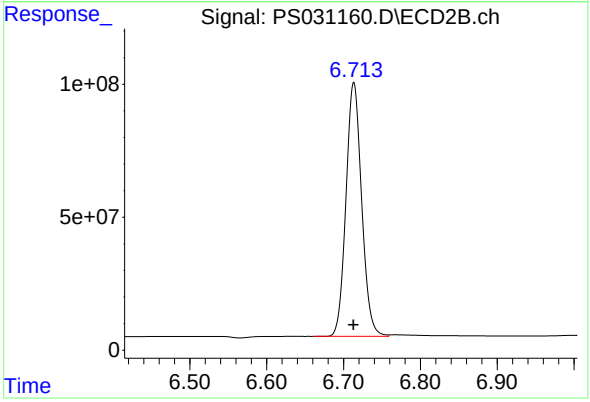
#1 Dalapon

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



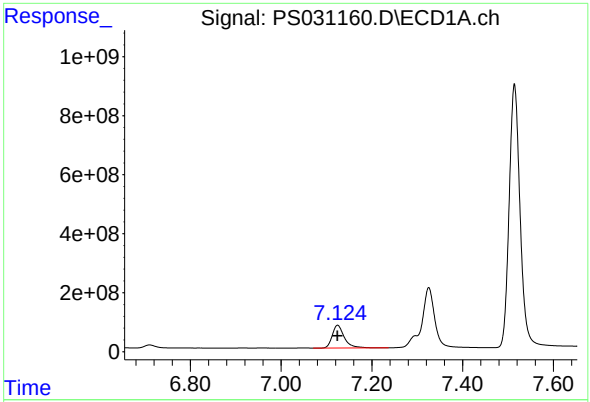
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

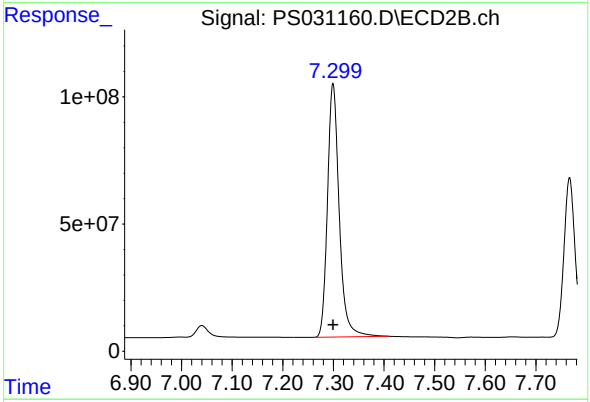
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1352413139
Conc: 907.71 ng/ml



#3 4-Nitrophenol

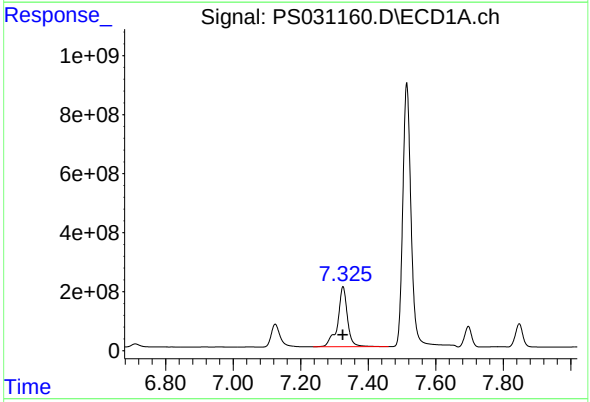
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1421384436
Conc: 885.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



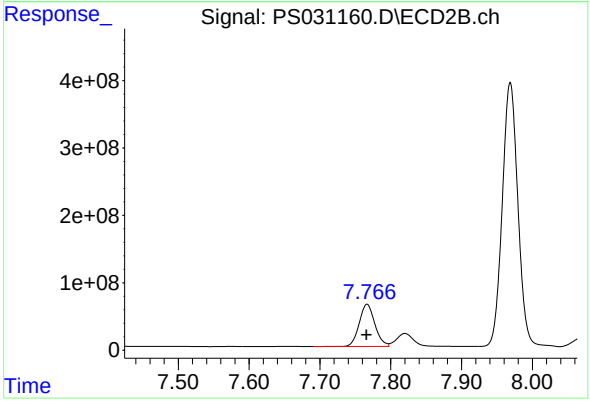
#3 4-Nitrophenol

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



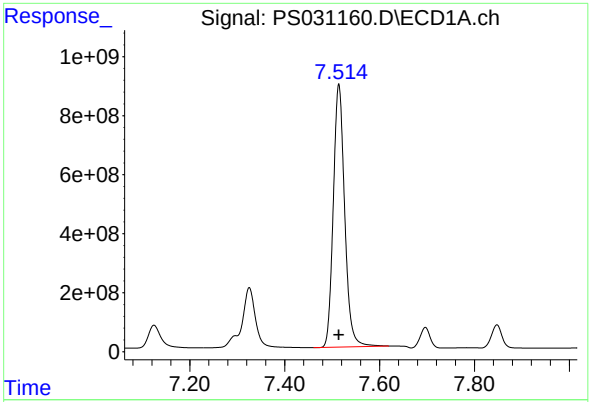
#4 2,4-DCAA

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



#4 2,4-DCAA

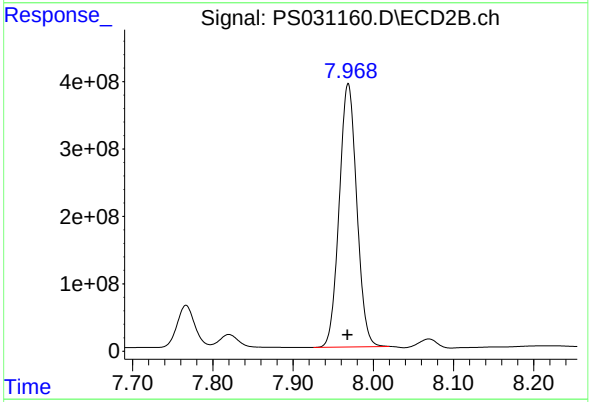
R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 963100505
Conc: 974.41 ng/ml



#5 DICAMBA

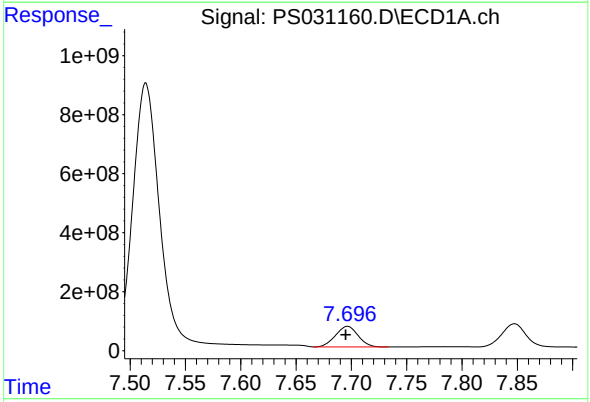
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 14832958607
Conc: 911.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



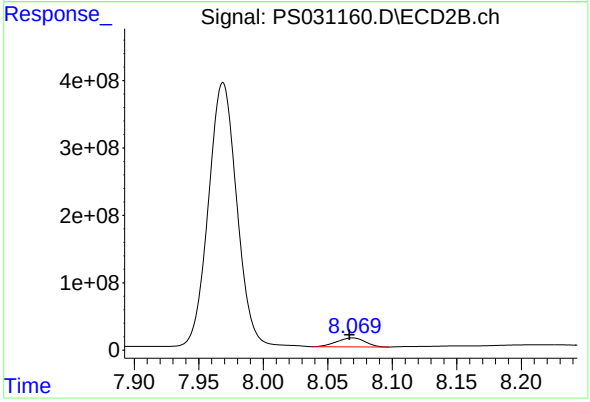
#5 DICAMBA

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



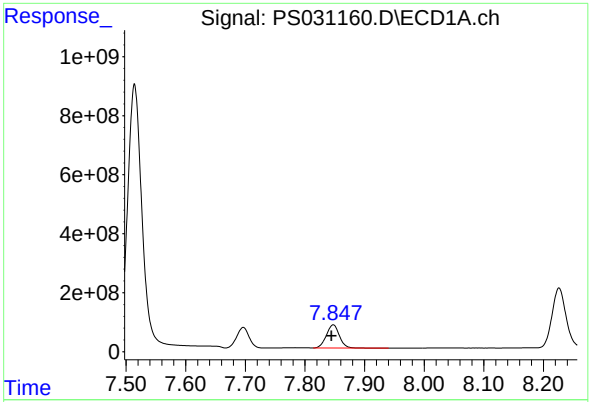
#6 MCPP

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



#6 MCPP

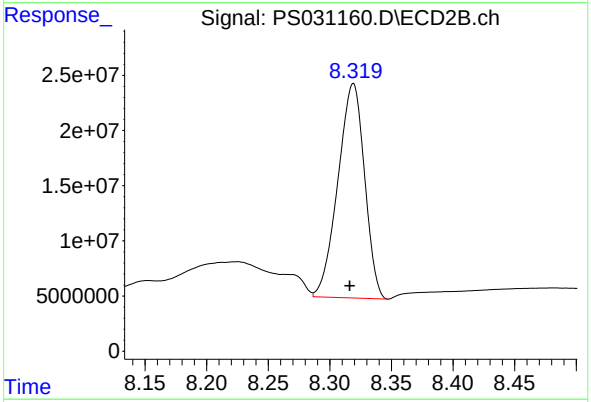
R.T.: 8.069 min
Delta R.T.: 0.003 min
Response: 202250812
Conc: 94.58 ug/ml



#7 MCPA

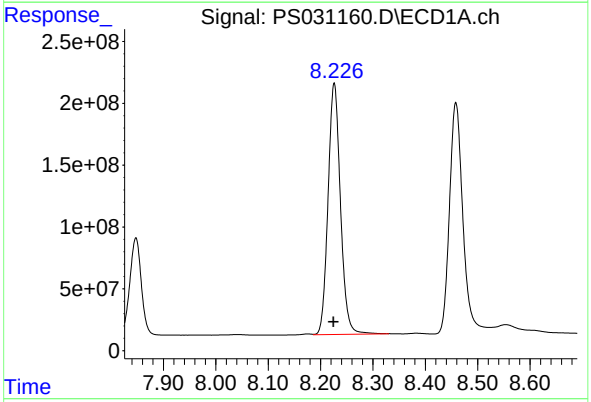
R.T.: 7.847 min
Delta R.T.: 0.003 min
Response: 1186681895
Conc: 94.36 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



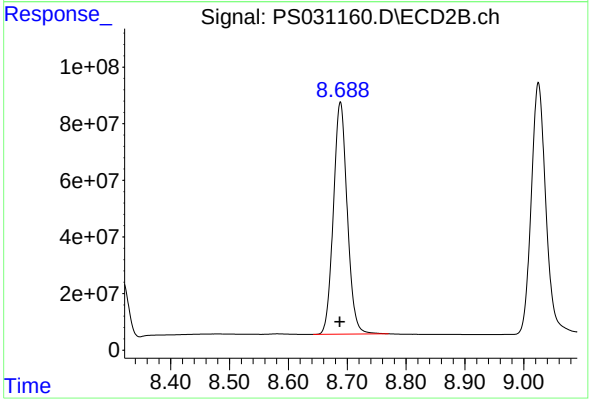
#7 MCPA

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



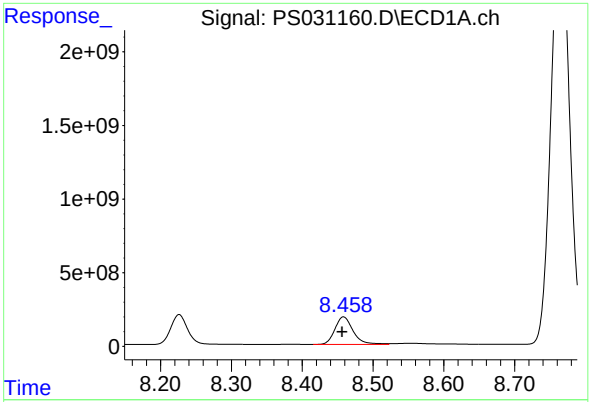
#8 DICHLORPROP

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



#8 DICHLORPROP

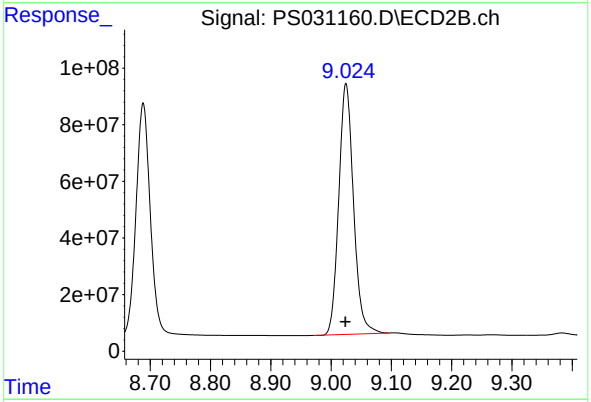
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1341135683
Conc: 910.25 ng/ml



#9 2,4-D

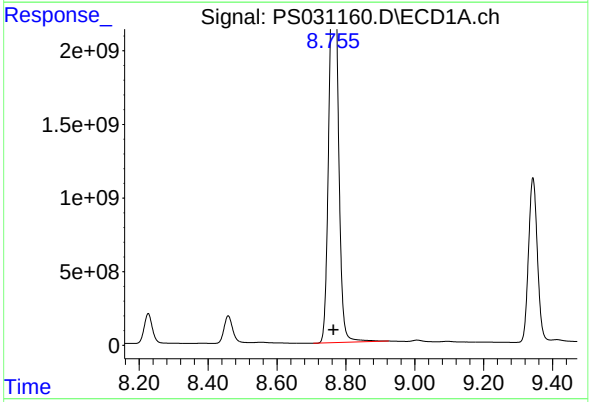
R.T.: 8.458 min
Delta R.T.: 0.002 min
Response: 3339344621
Conc: 913.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



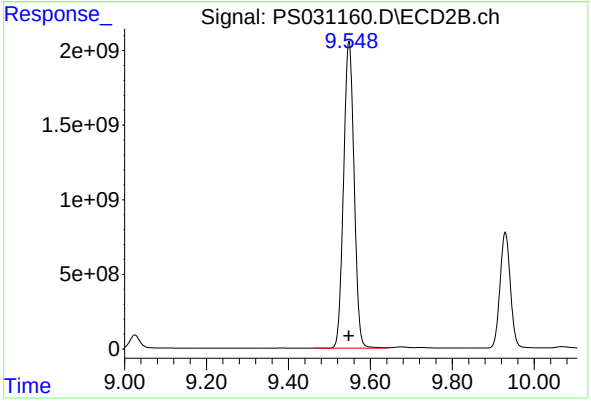
#9 2,4-D

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



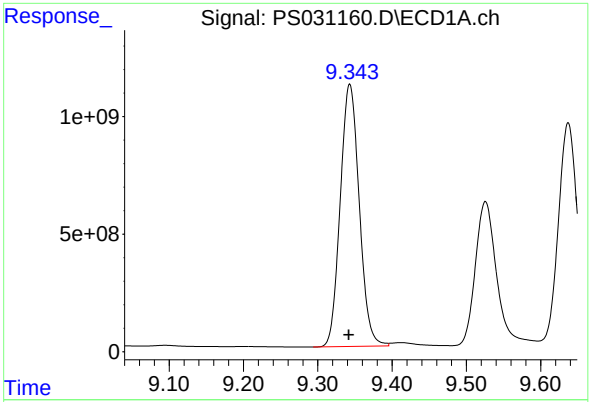
#10 Pentachlorophenol

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



#10 Pentachlorophenol

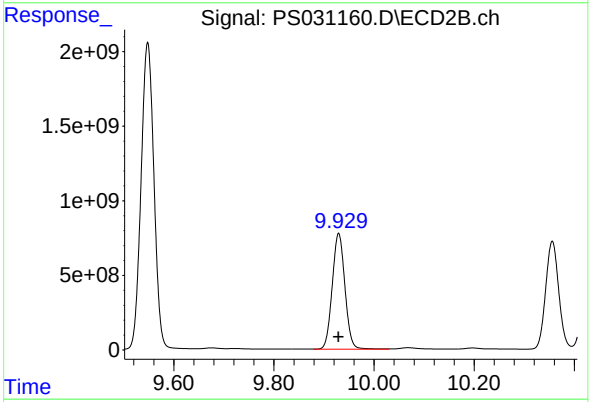
R.T.: 9.548 min
Delta R.T.: 0.000 min
Response: 36703311197
Conc: 918.46 ng/ml



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

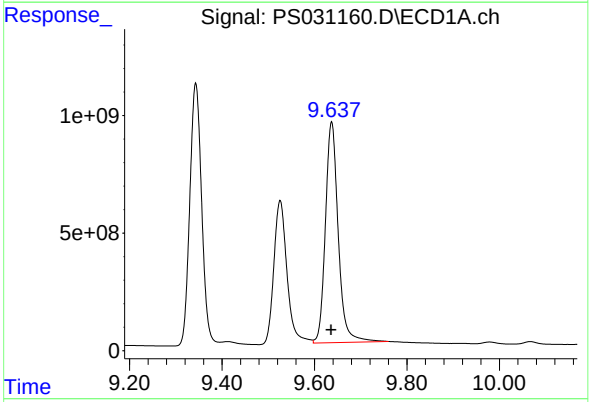
R.T.: 9.343 min
Delta R.T.: 0.001 min
Response: 19814320460
Conc: 915.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



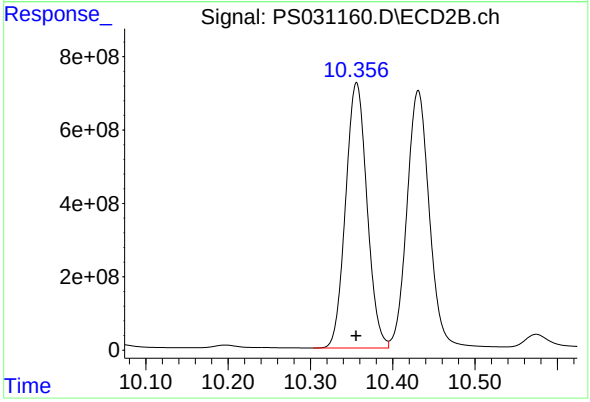
#11 2,4,5-TP (SILVEX)

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



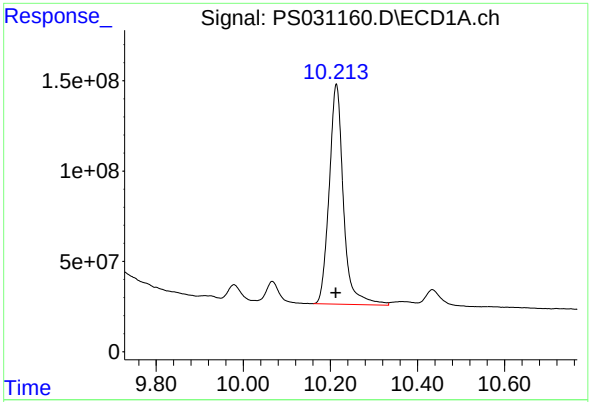
#12 2,4,5-T

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



#12 2,4,5-T

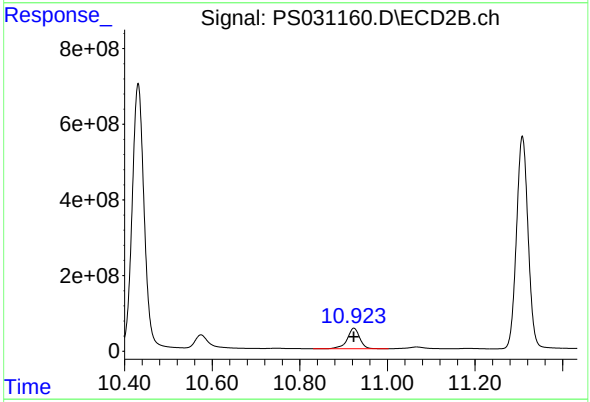
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 13055215548
Conc: 922.21 ng/ml



#13 2,4-DB

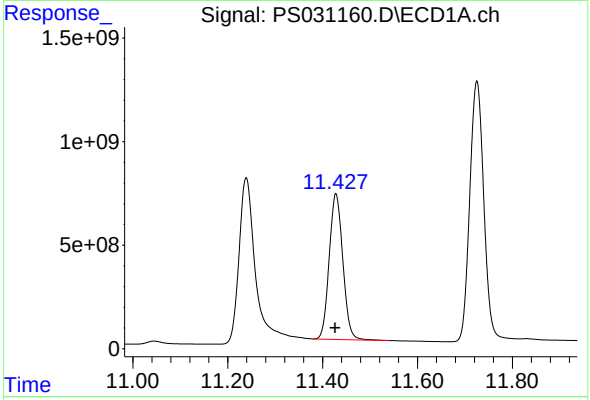
R.T.: 10.214 min
Delta R.T.: 0.001 min
Response: 2771712245
Conc: 935.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



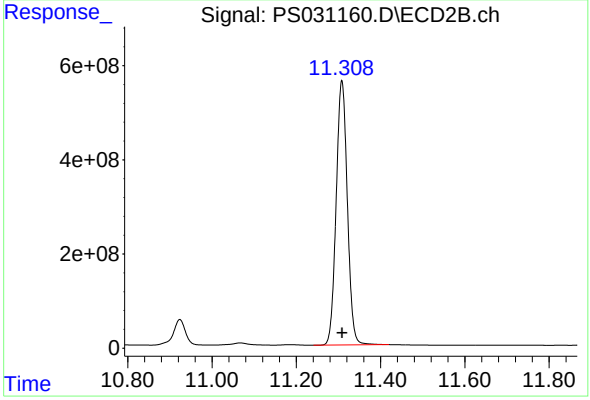
#13 2,4-DB

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



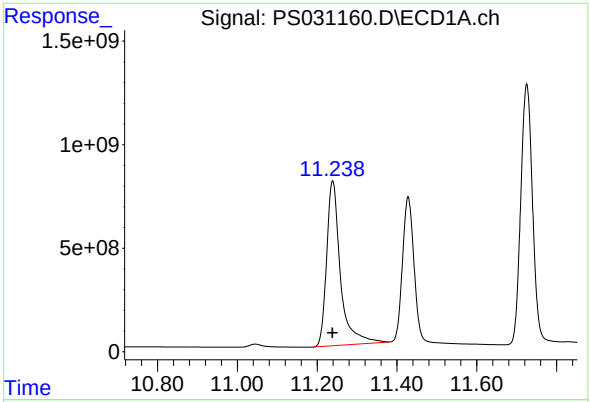
#14 DINOSEB

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



#14 DINOSEB

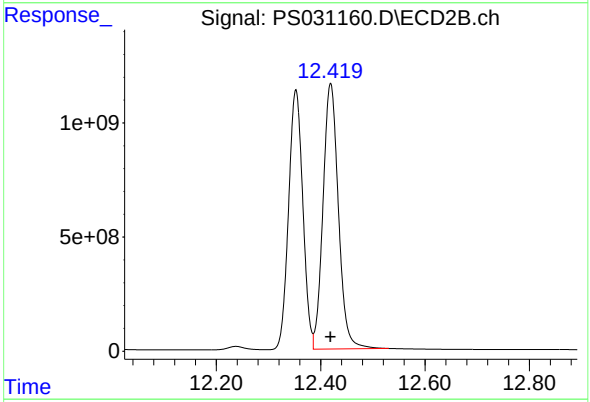
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 10337937996
Conc: 919.27 ng/ml



#15 Picloram

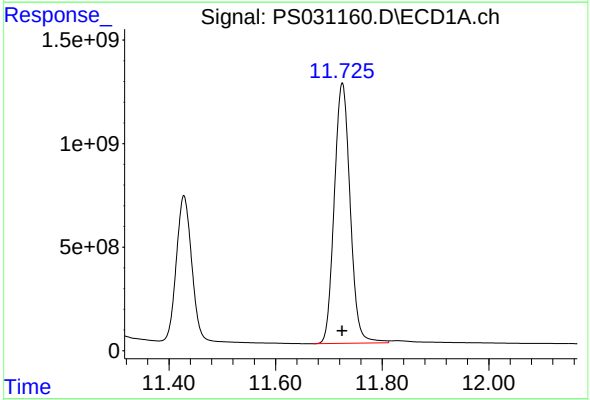
R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 19111405619
Conc: 949.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



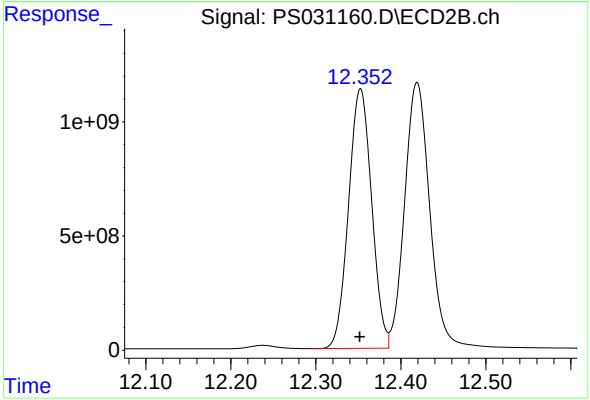
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

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

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.325	7.766	5875.5E6	1404.3E6	1382.891	1420.834
		Target Compounds						
1)	T	Dalapon	2.690	2.704	7938.8E6	3614.4E6	1282.720	1297.406
2)	T	3,5-DICHL...	6.487	6.713	6892.0E6	2008.4E6	1283.221	1348.011
3)	T	4-Nitroph...	7.124	7.299	2109.3E6	2405.8E6	1313.968	1348.194
5)	T	DICAMBA	7.514	7.968	21449.9E6	8752.1E6	1318.388	1363.903
6)	T	MCPP	7.700	8.072	1564.7E6	297.8E6	152.005	139.276
7)	T	MCPA	7.851	8.323	1839.8E6	444.0E6	146.296	140.535
8)	T	DICHLORPROP	8.226	8.688	4846.5E6	1942.3E6	1315.694	1318.255
9)	T	2,4-D	8.457	9.024	4868.8E6	2197.2E6	1332.281	1326.671
10)	T	Pentachlo...	8.770	9.550	55402.7E6	46681.0E6	966.773	1168.145
11)	T	2,4,5-TP ...	9.342	9.929	28356.6E6	19507.8E6	1310.459	1314.463
12)	T	2,4,5-T	9.636	10.356	26262.2E6	18777.4E6	1346.194	1326.415
13)	T	2,4-DB	10.212	10.924	4222.7E6	1570.0E6	1425.313	1356.718
14)	T	DINOSEB	11.427	11.308	20292.3E6	15081.1E6	1316.146	1341.040
15)	T	Picloram	11.238	12.419	29336.1E6	34911.0E6	1457.188	1374.771
16)	T	DCPA	11.725	12.353	37119.0E6	30414.9E6	1310.584	1313.335

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

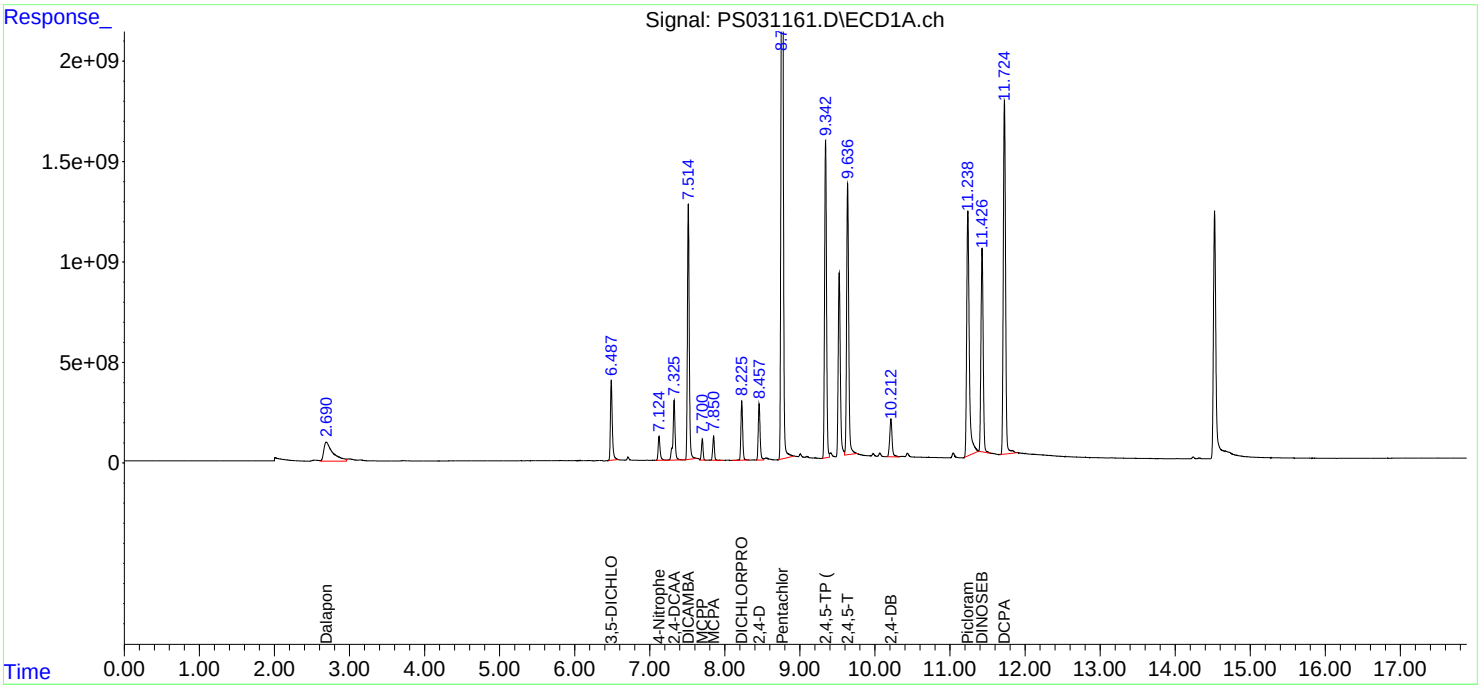
ICAL Form

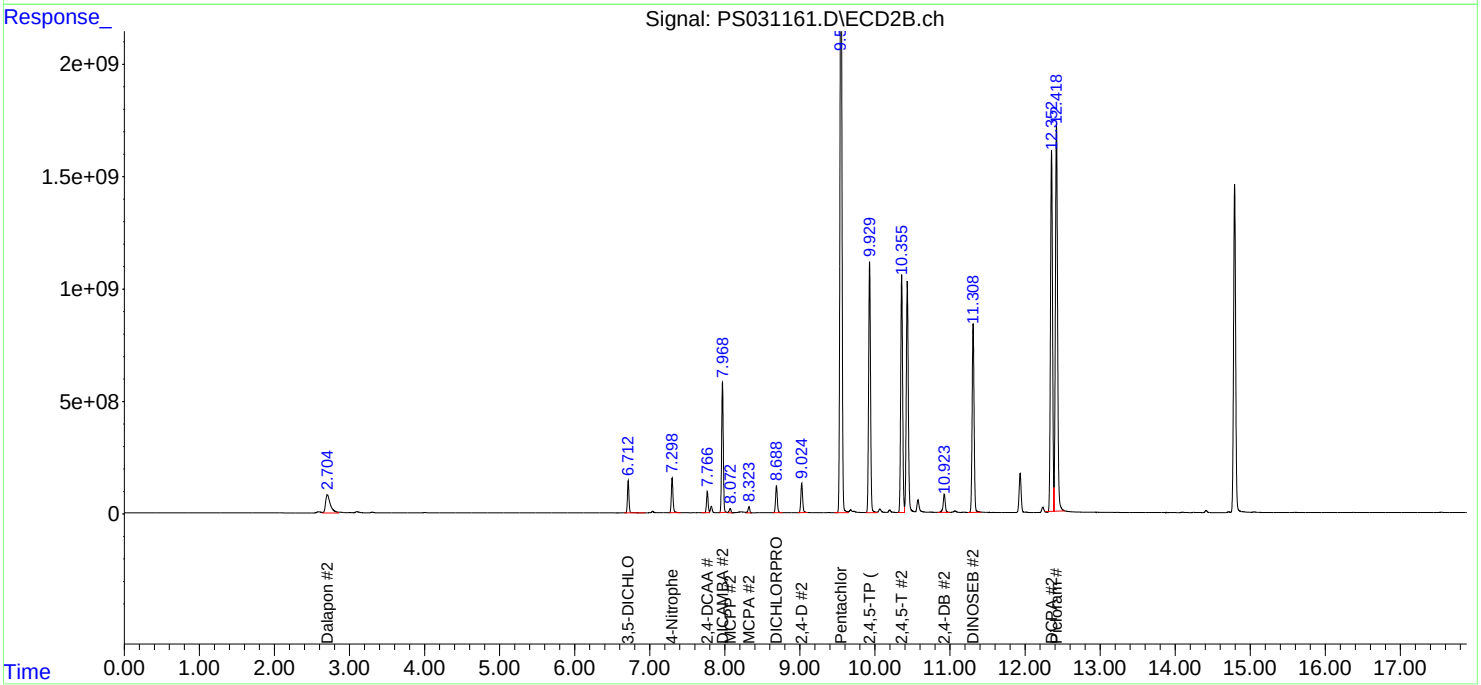
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031161.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:39
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

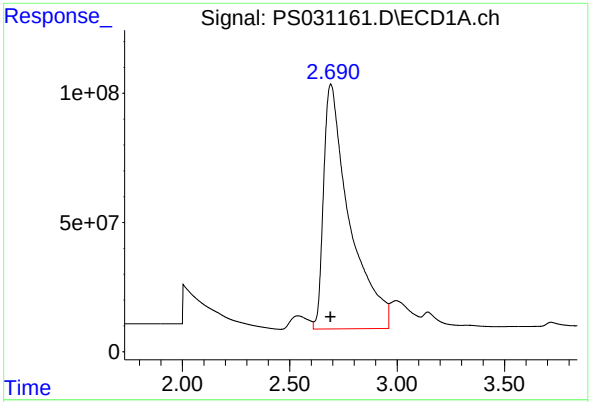
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

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

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



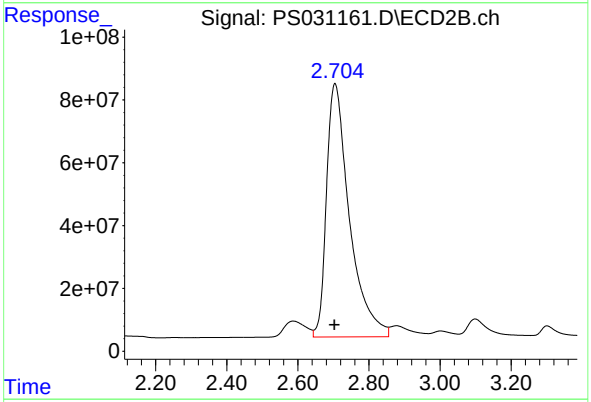




#1 Dalapon

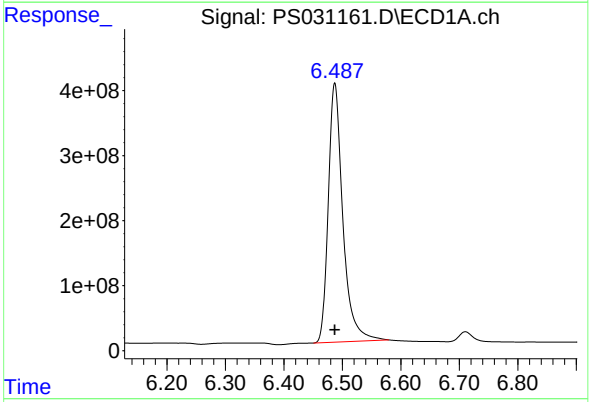
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 7938789953
Conc: 1282.72 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



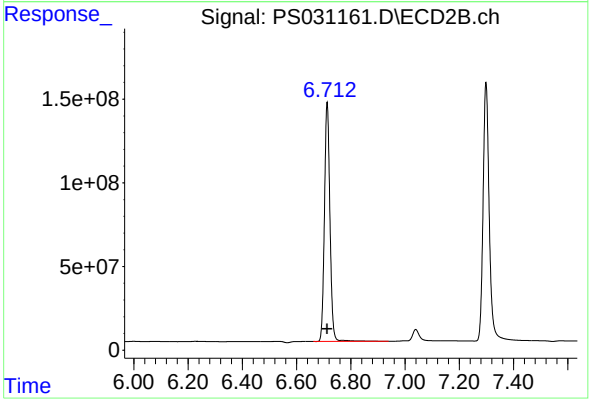
#1 Dalapon

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



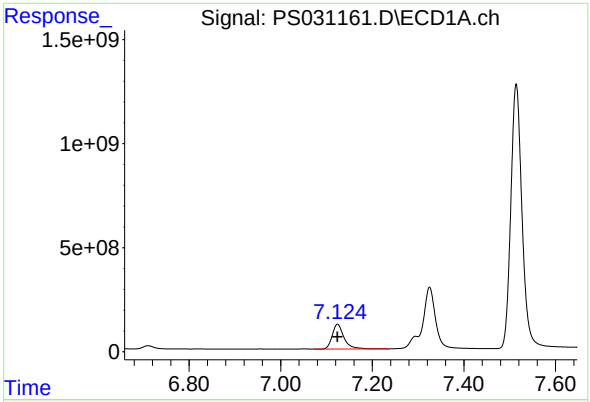
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

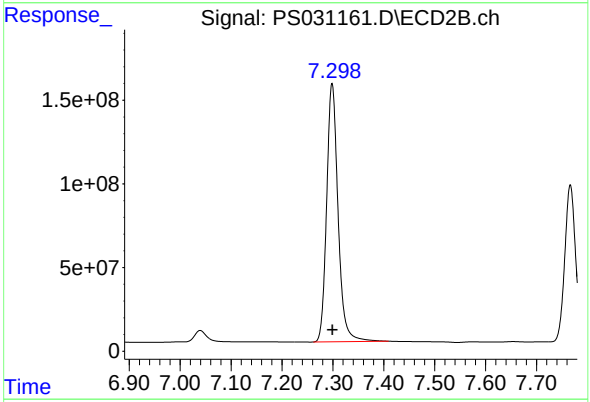
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 2008416196
Conc: 1348.01 ng/ml



#3 4-Nitrophenol

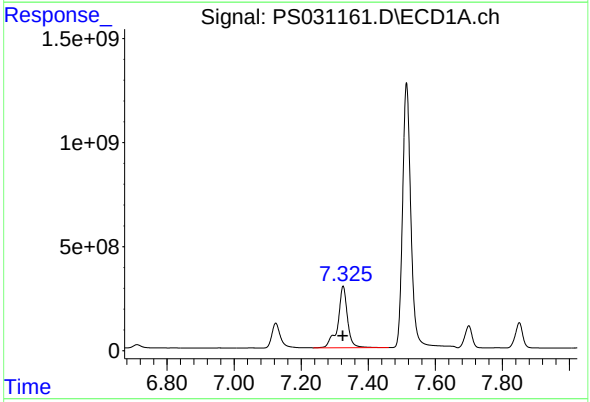
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 2109320808
Conc: 1313.97 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



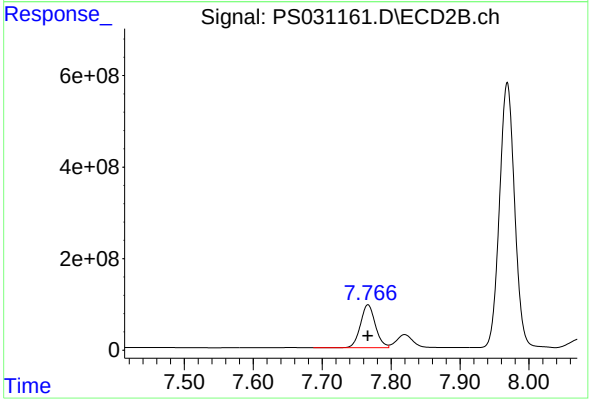
#3 4-Nitrophenol

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



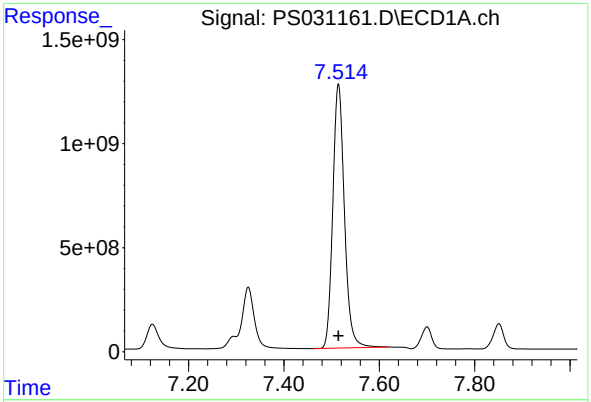
#4 2,4-DCAA

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



#4 2,4-DCAA

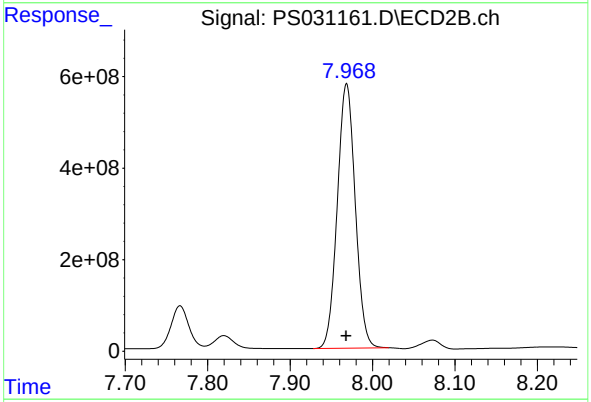
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 1404343492
Conc: 1420.83 ng/ml



#5 DICAMBA

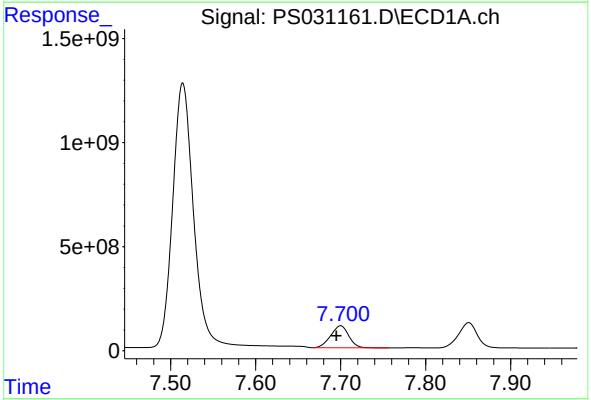
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 21449889213
Conc: 1318.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



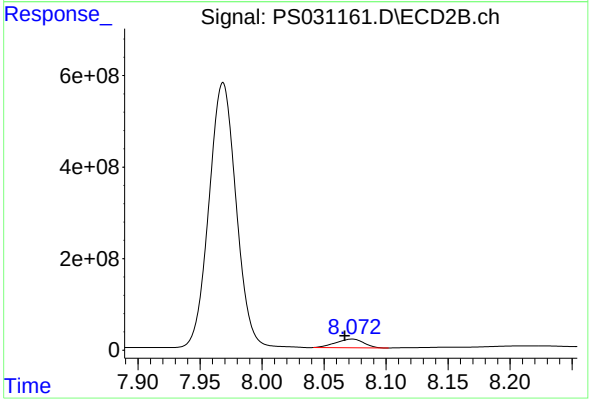
#5 DICAMBA

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



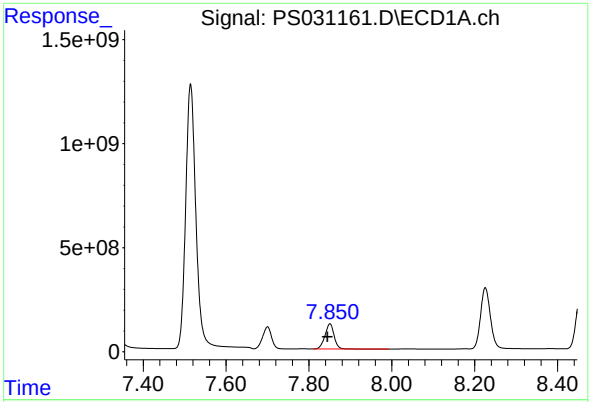
#6 MCPP

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



#6 MCPP

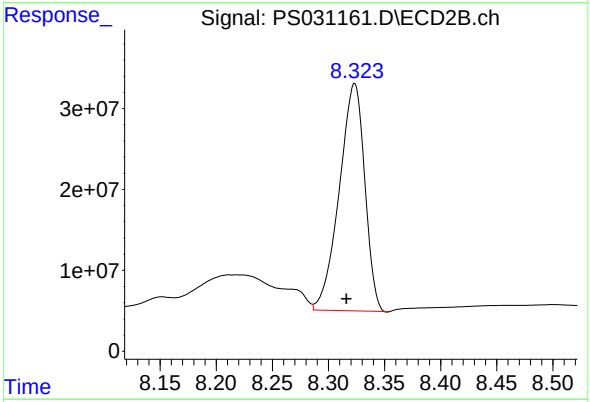
R.T.: 8.072 min
Delta R.T.: 0.006 min
Response: 297833100
Conc: 139.28 ug/ml



#7 MCPA

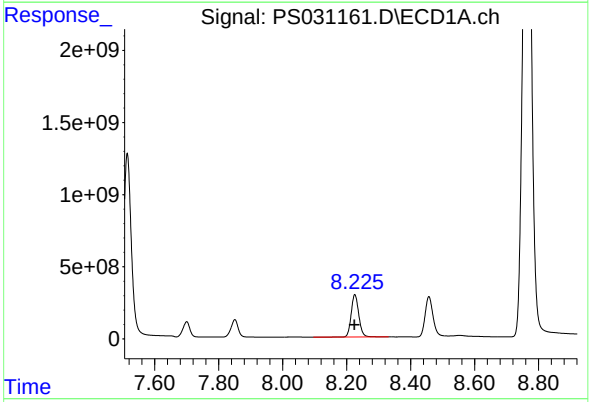
R.T.: 7.851 min
Delta R.T.: 0.006 min
Response: 1839792358
Conc: 146.30 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



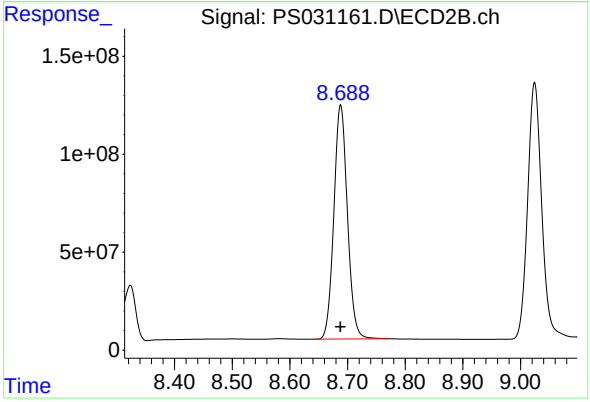
#7 MCPA

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



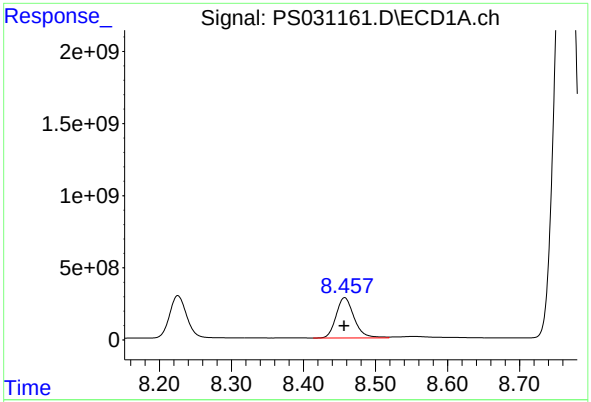
#8 DICHLORPROP

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



#8 DICHLORPROP

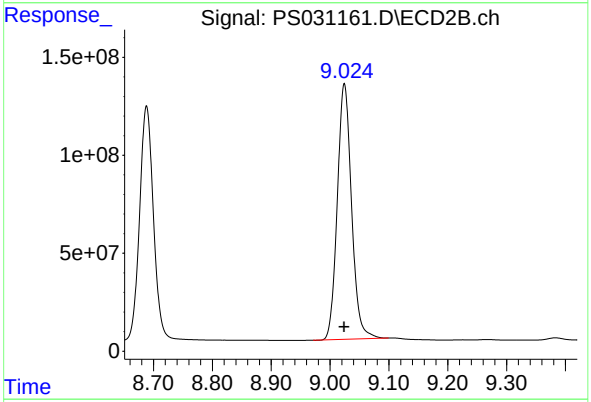
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1942272785
Conc: 1318.26 ng/ml



#9 2,4-D

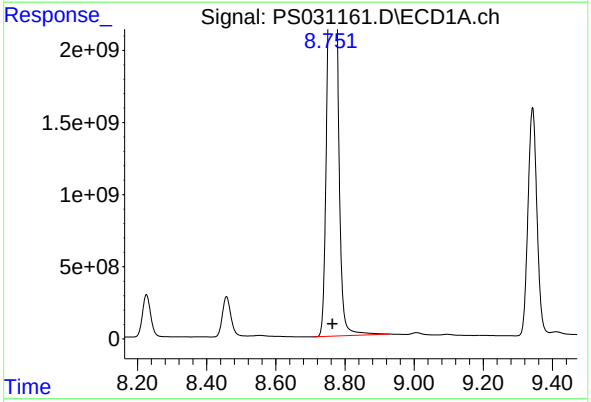
R.T.: 8.457 min
Delta R.T.: 0.000 min
Response: 4868771437
Conc: 1332.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



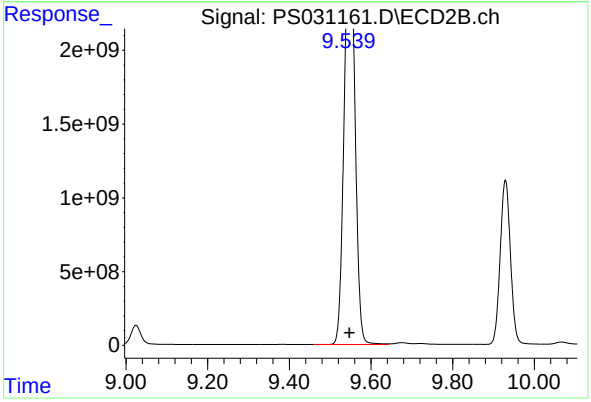
#9 2,4-D

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



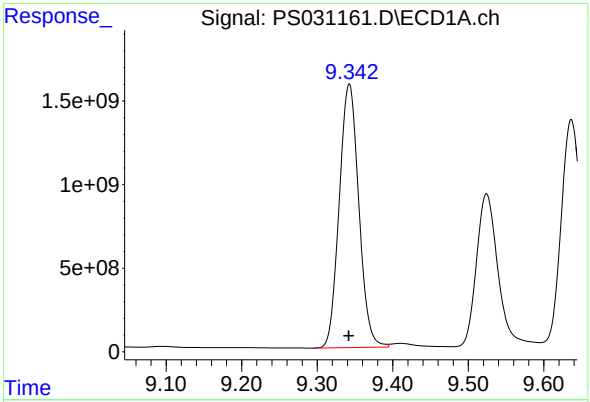
#10 Pentachlorophenol

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



#10 Pentachlorophenol

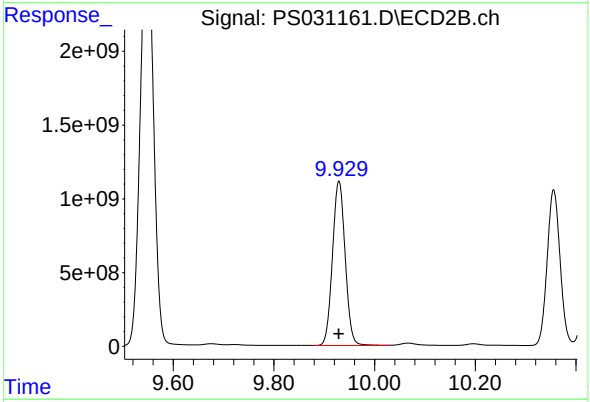
R.T.: 9.550 min
Delta R.T.: 0.002 min
Response: 46681007267
Conc: 1168.14 ng/ml



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

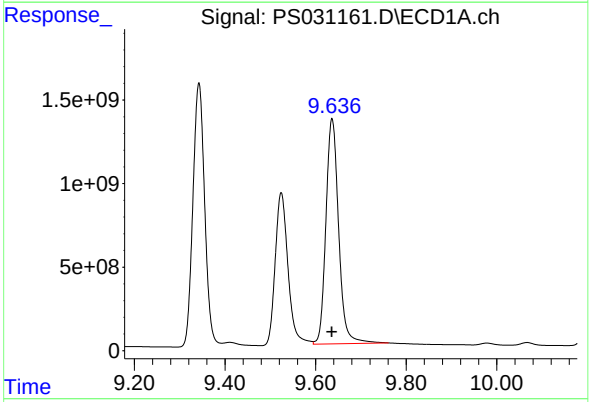
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 28356634711
Conc: 1310.46 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



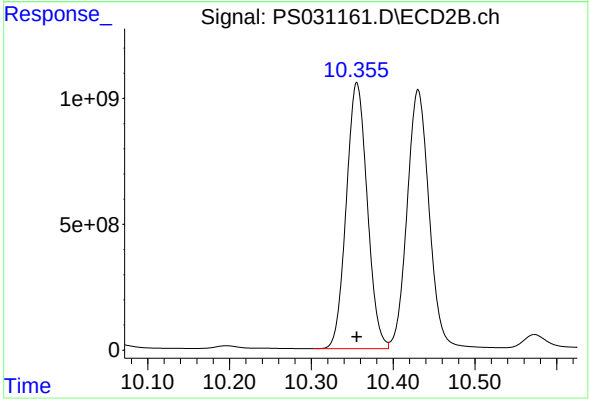
#11 2,4,5-TP (SILVEX)

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



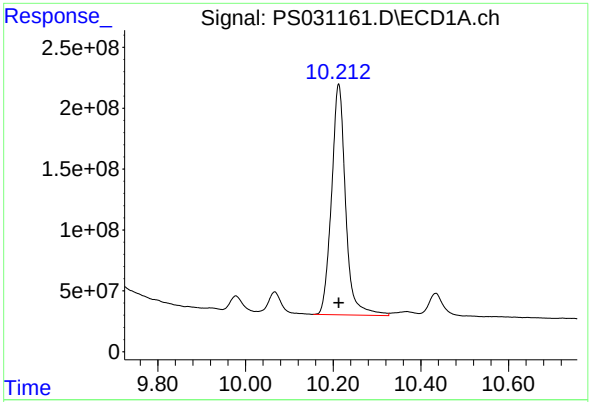
#12 2,4,5-T

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



#12 2,4,5-T

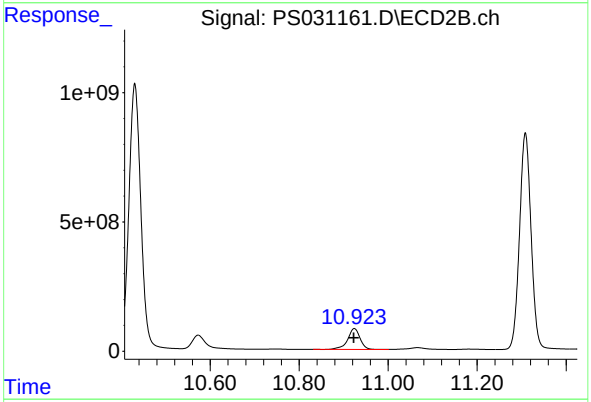
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 18777365882
Conc: 1326.42 ng/ml



#13 2,4-DB

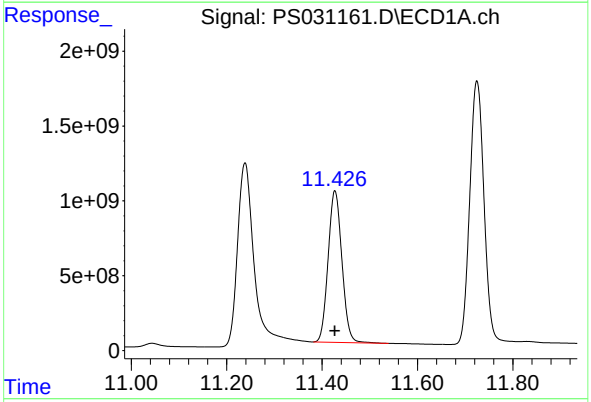
R.T.: 10.212 min
Delta R.T.: 0.000 min
Response: 4222668340
Conc: 1425.31 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



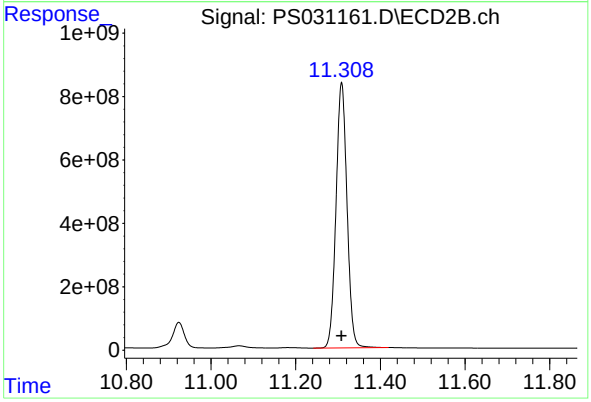
#13 2,4-DB

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



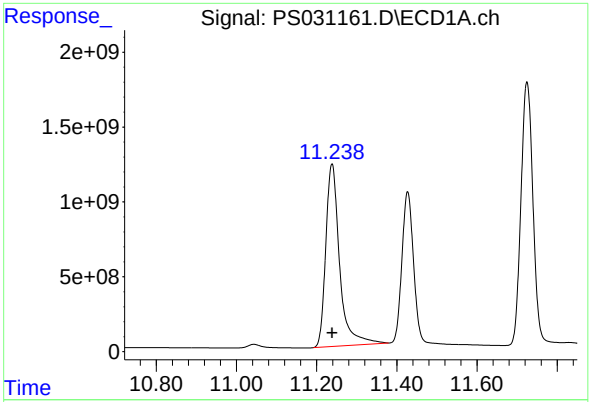
#14 DINOSEB

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



#14 DINOSEB

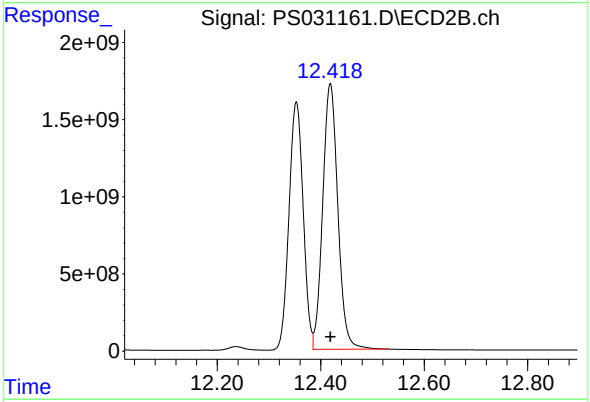
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 15081056737
Conc: 1341.04 ng/ml



#15 Picloram

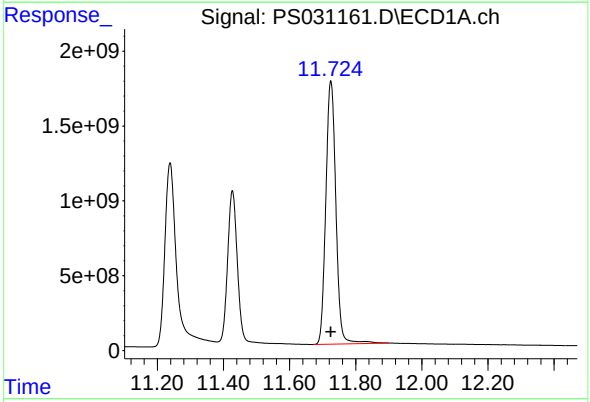
R.T.: 11.238 min
Delta R.T.: 0.000 min
Response: 29336086675
Conc: 1457.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



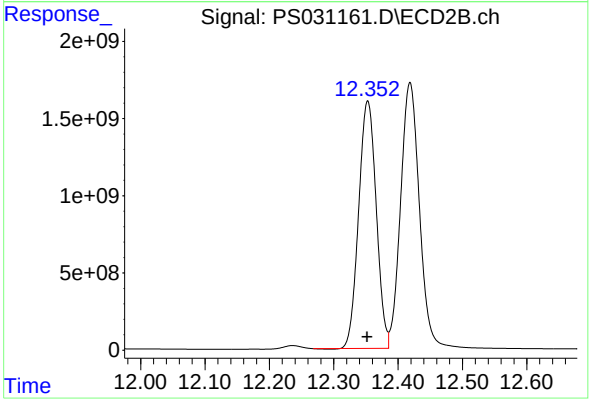
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
ICVPS072125

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

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.325	7.766	3151.9E6	737.7E6	724.866	726.846
		Target Compounds						
1)	T	Dalapon	2.689	2.704	4173.3E6	1879.7E6	665.294	662.611
2)	T	3,5-DICHL...	6.487	6.713	3720.4E6	1048.9E6	673.648	681.176
3)	T	4-Nitroph...	7.124	7.299	1093.9E6	1208.1E6	663.431	667.683
5)	T	DICAMBA	7.514	7.968	11383.7E6	4491.4E6	690.051	695.985
6)	T	MCPP	7.695	8.067	717.7E6	149.1E6	71.694	71.777
7)	T	MCPA	7.845	8.316	870.1E6	218.8E6	69.526	69.334
8)	T	DICHLORPROP	8.225	8.688	2575.1E6	1032.5E6	673.767	681.551
9)	T	2,4-D	8.457	9.024	2569.4E6	1160.9E6	687.928	683.569
10)	T	Pentachlo...	8.764	9.547	40612.6E6	28167.9E6	743.526	720.754
11)	T	2,4,5-TP ...	9.342	9.929	15374.0E6	10489.0E6	700.294	704.236
12)	T	2,4,5-T	9.636	10.356	13928.3E6	10005.6E6	713.254	703.659
13)	T	2,4-DB	10.213	10.924	2126.9E6	808.9E6	711.349	691.028
14)	T	DINOSEB	11.428	11.308	10850.3E6	7842.7E6	696.895	693.919
15)	T	Picloram	11.238	12.419	14555.0E6	17953.2E6	727.512	721.155
16)	T	DCPA	11.724	12.352	20286.6E6	16452.0E6	707.009	714.185

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

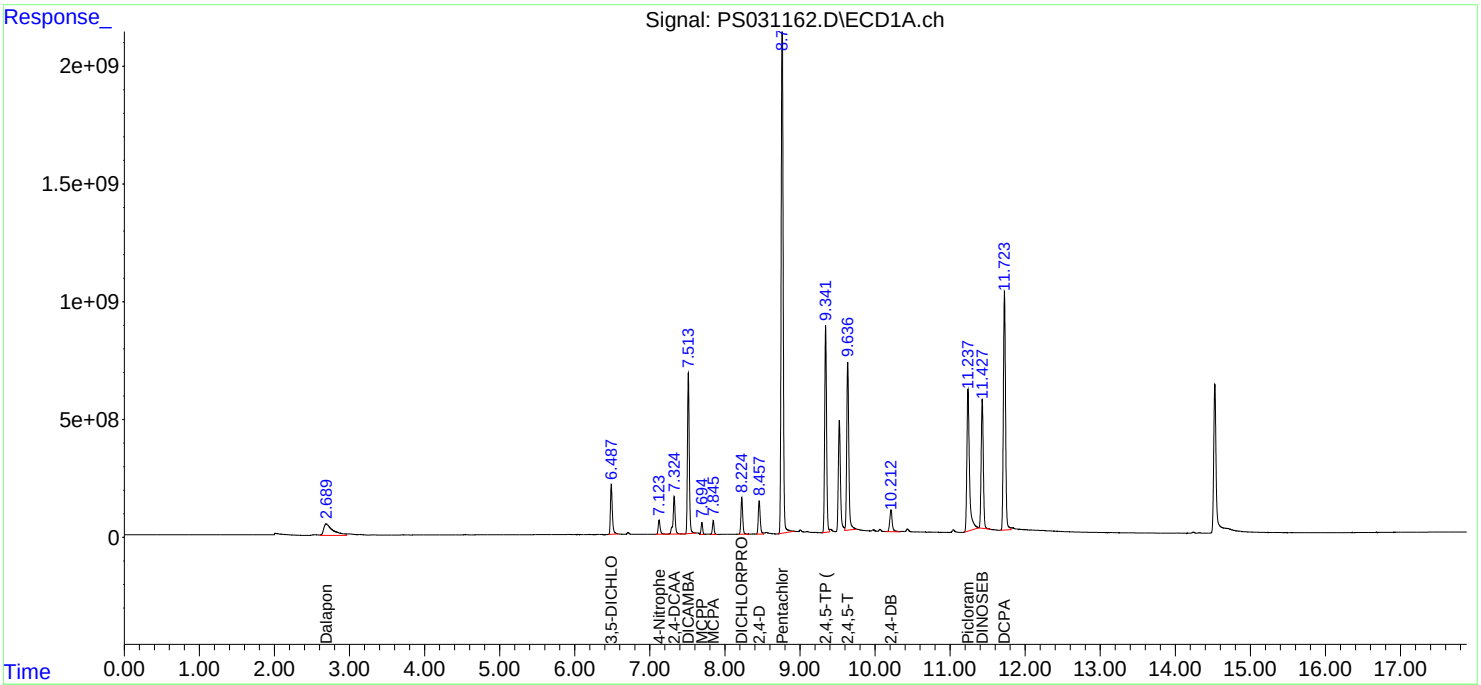
ICAL Form

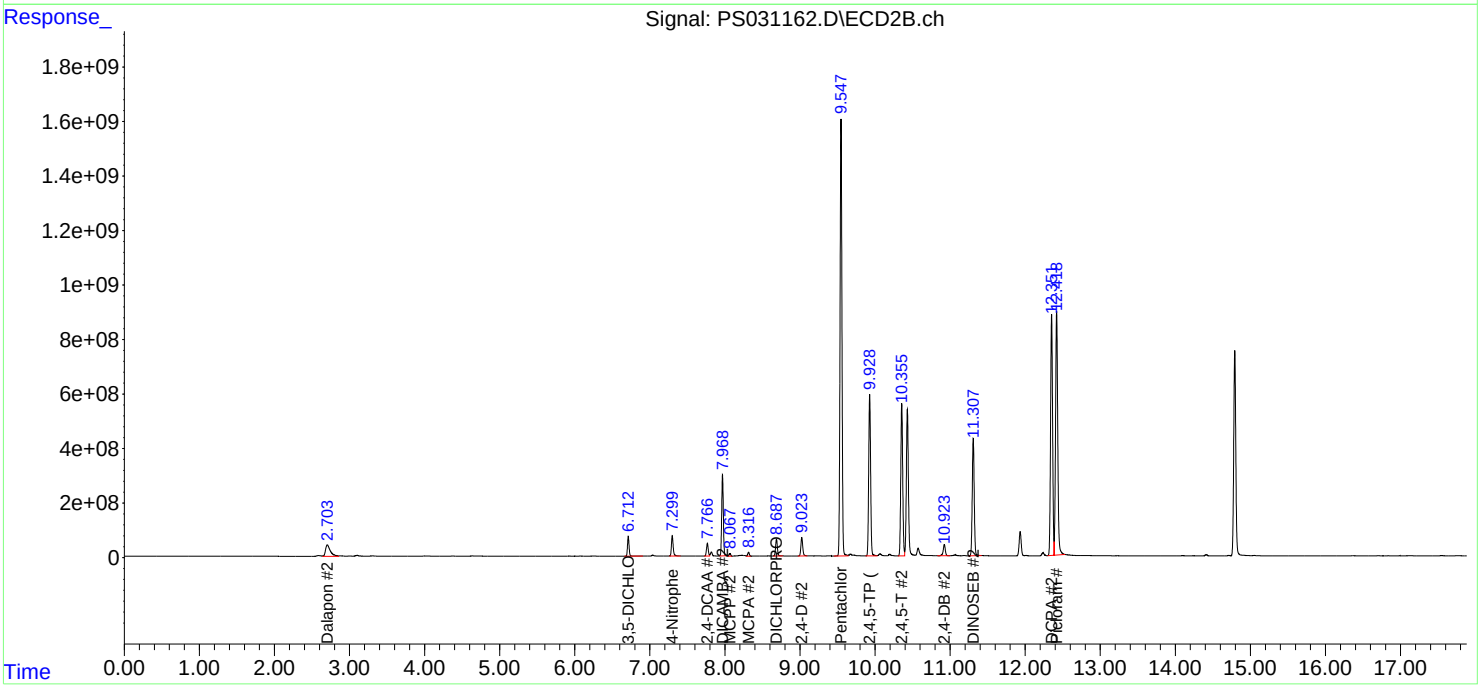
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031162.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:03
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

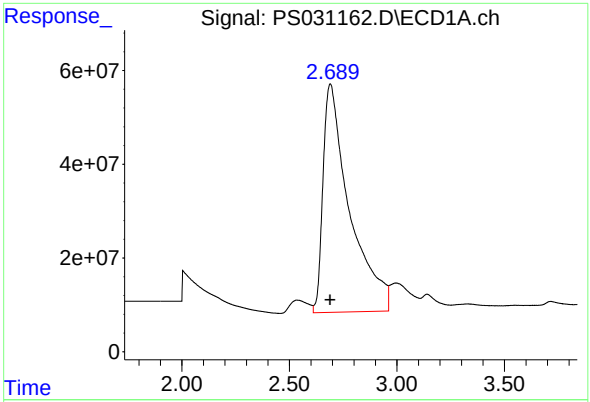
Instrument :
ECD_S
ClientSampleId :
ICVPS072125

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

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



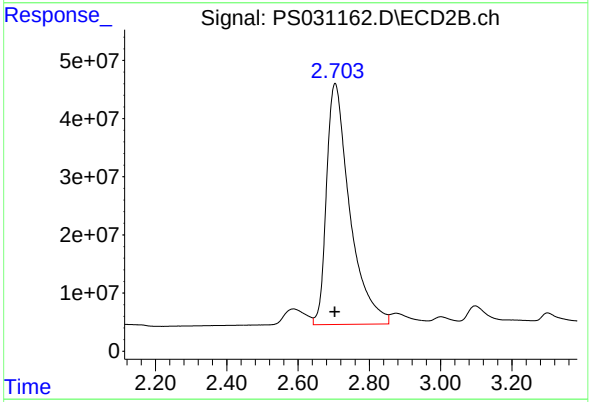




#1 Dalapon

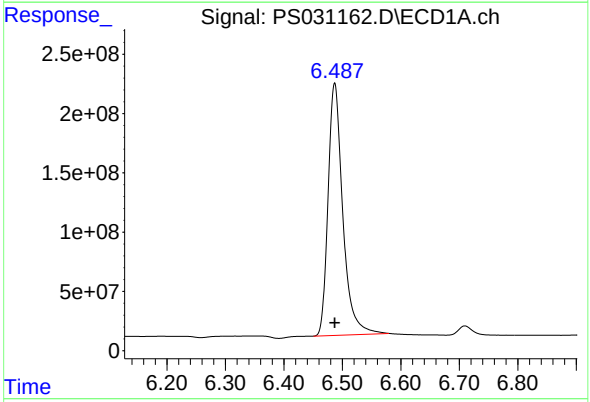
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 4173322568
Conc: 665.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



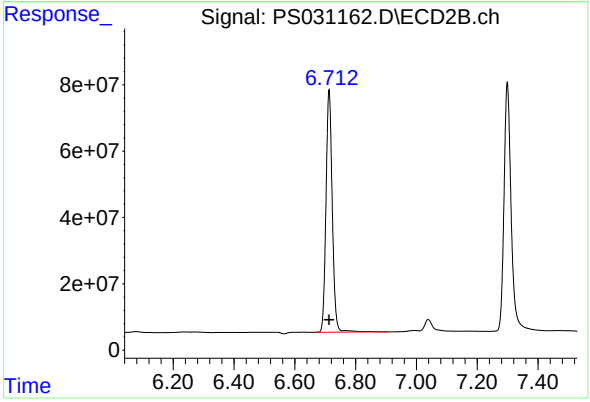
#1 Dalapon

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



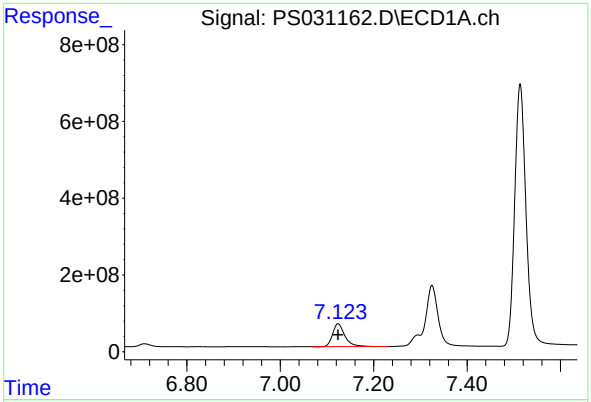
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

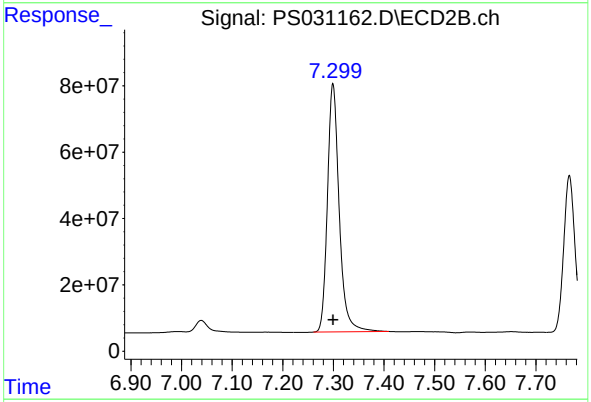
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1048938565
Conc: 681.18 ng/ml



#3 4-Nitrophenol

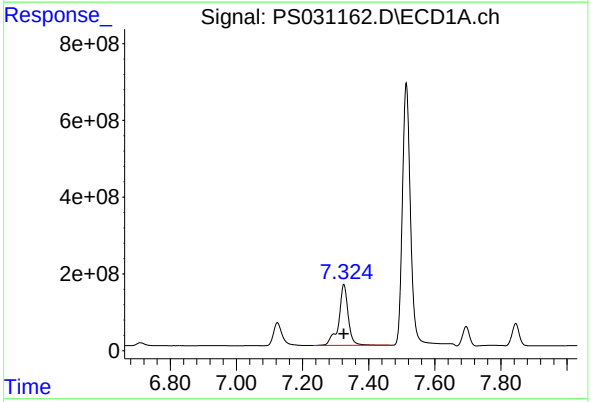
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1093855791
Conc: 663.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



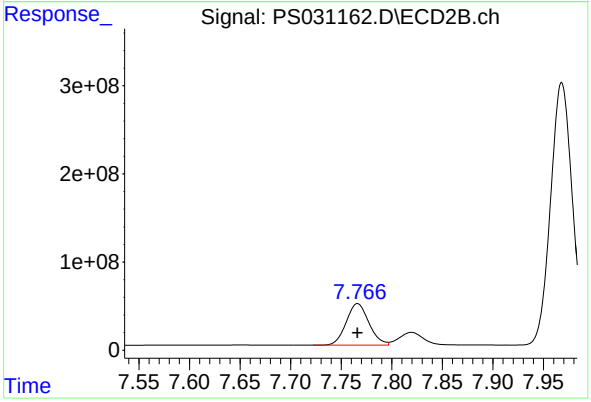
#3 4-Nitrophenol

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



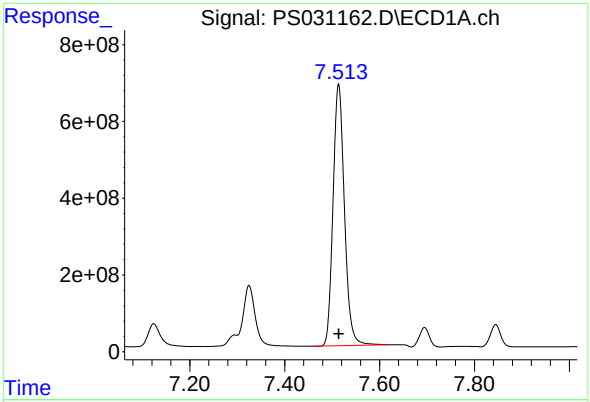
#4 2,4-DCAA

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



#4 2,4-DCAA

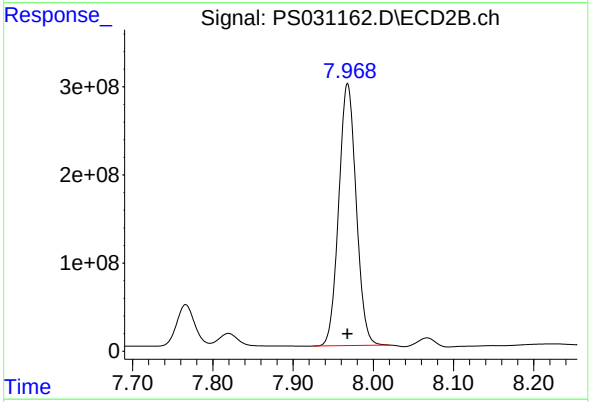
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 737725513
Conc: 726.85 ng/ml



#5 DICAMBA

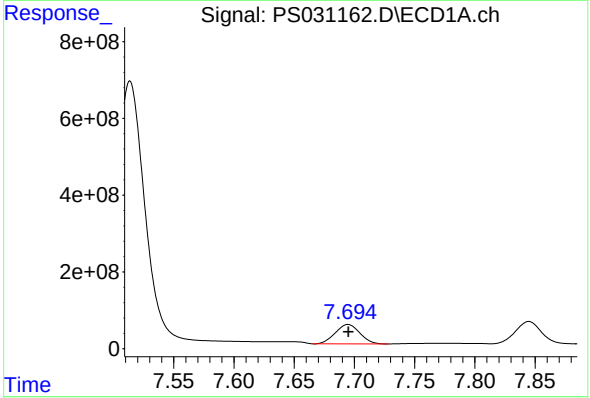
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 11383740526
Conc: 690.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



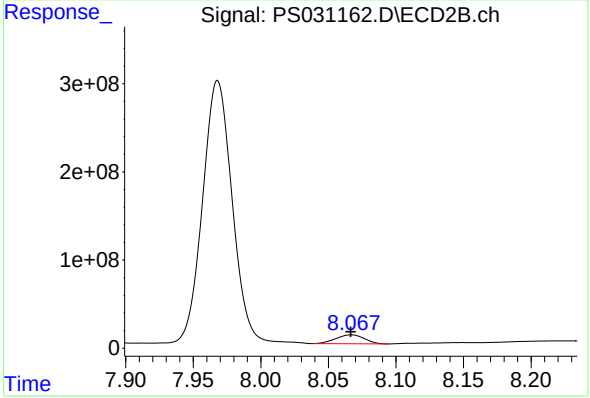
#5 DICAMBA

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



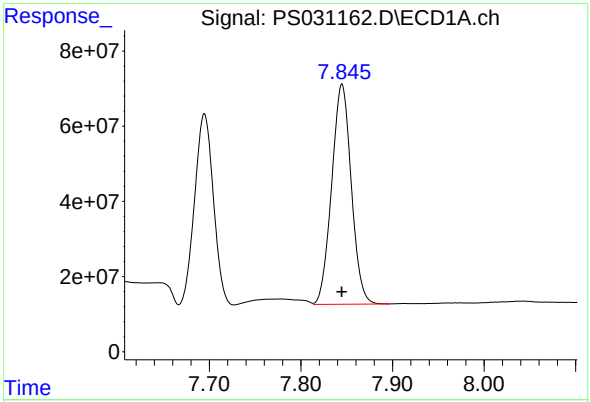
#6 MCPP

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



#6 MCPP

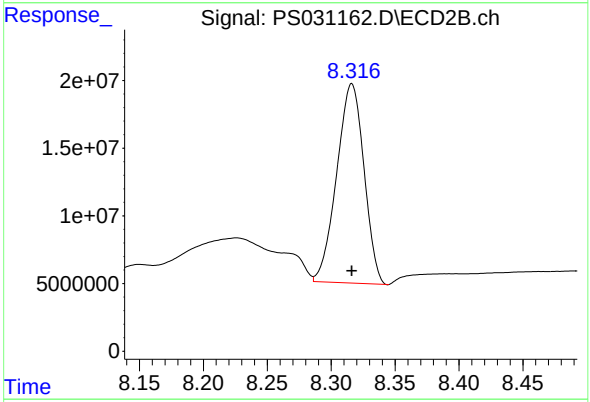
R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 149138351
Conc: 71.78 ug/ml



#7 MCPA

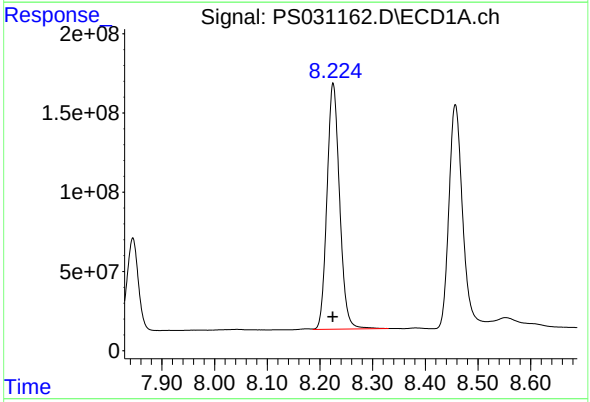
R.T.: 7.845 min
Delta R.T.: 0.000 min
Response: 870067277
Conc: 69.53 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



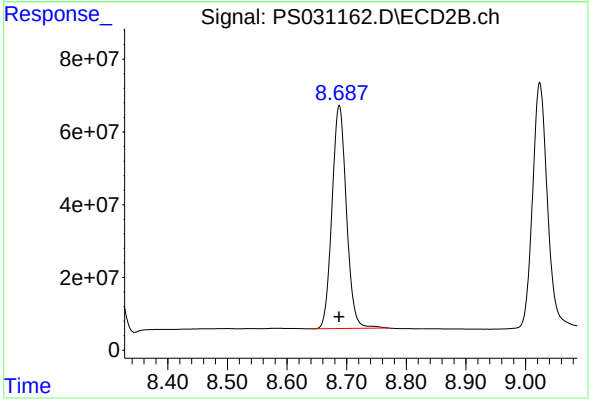
#7 MCPA

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



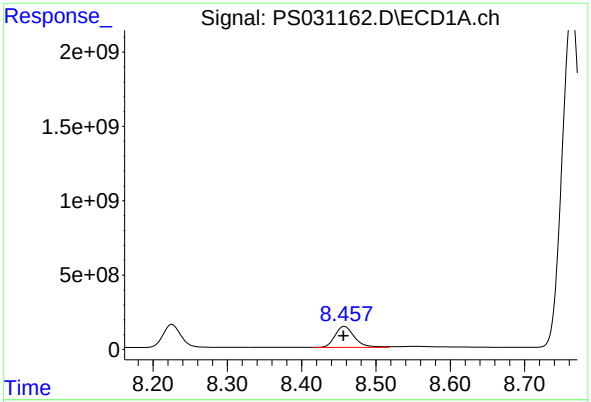
#8 DICHLORPROP

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



#8 DICHLORPROP

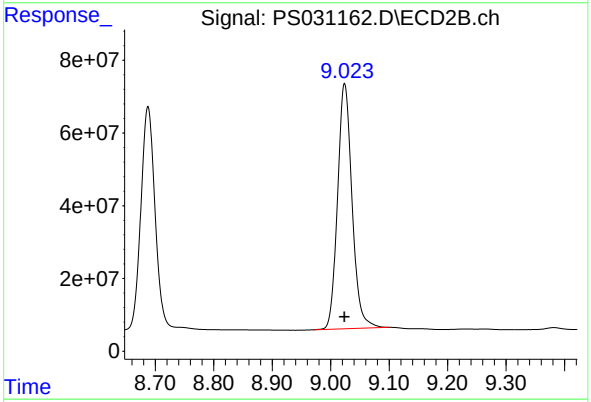
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1032455050
Conc: 681.55 ng/ml



#9 2,4-D

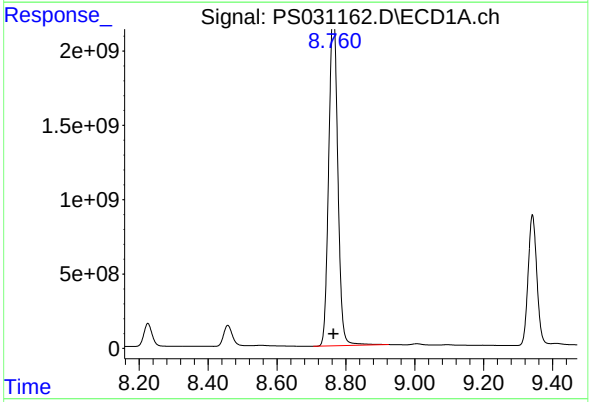
R.T.: 8.457 min
Delta R.T.: 0.000 min
Response: 2569354129
Conc: 687.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



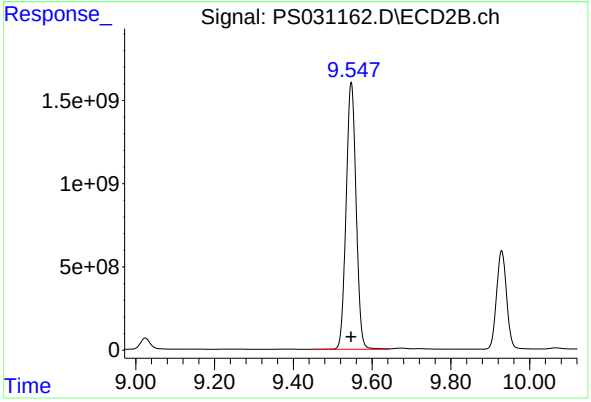
#9 2,4-D

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



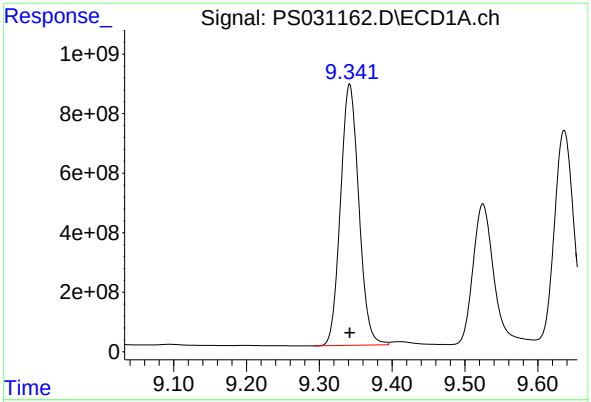
#10 Pentachlorophenol

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



#10 Pentachlorophenol

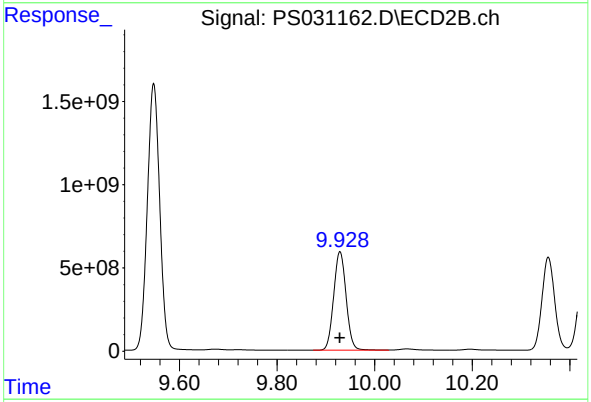
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 28167947869
Conc: 720.75 ng/ml



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

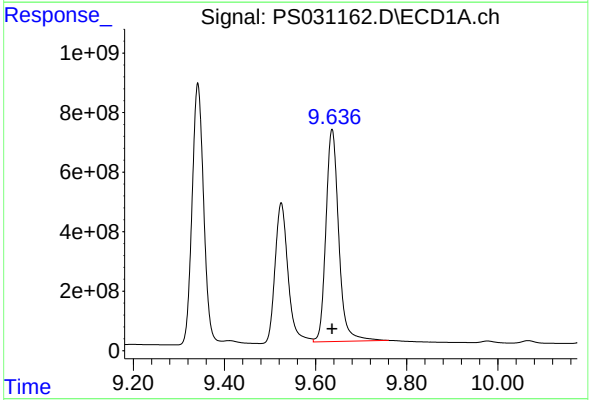
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 15373956822
Conc: 700.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



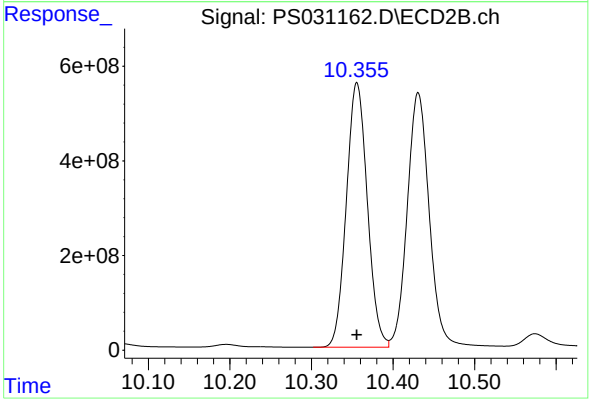
#11 2,4,5-TP (SILVEX)

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



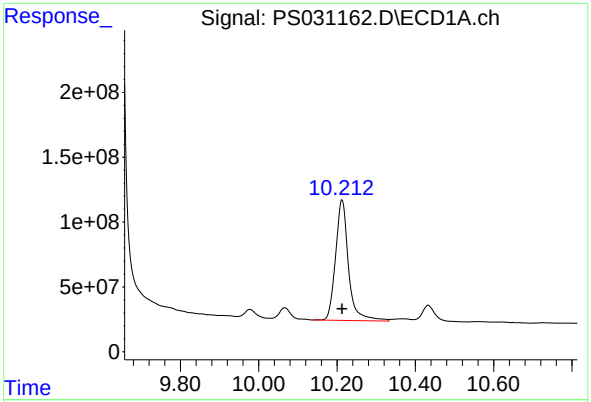
#12 2,4,5-T

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



#12 2,4,5-T

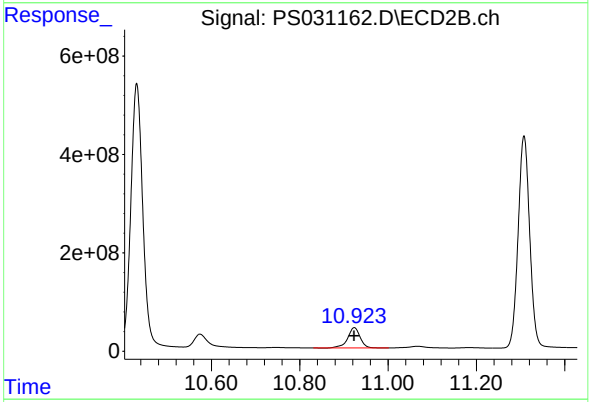
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 10005648557
Conc: 703.66 ng/ml



#13 2,4-DB

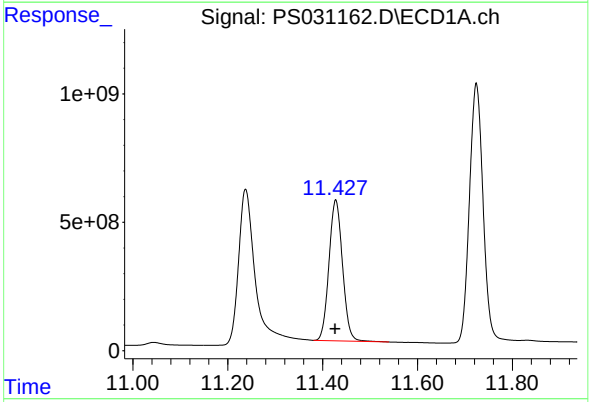
R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 2126850488
Conc: 711.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



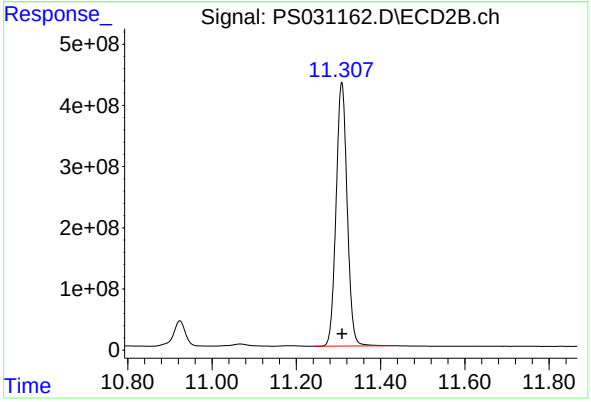
#13 2,4-DB

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



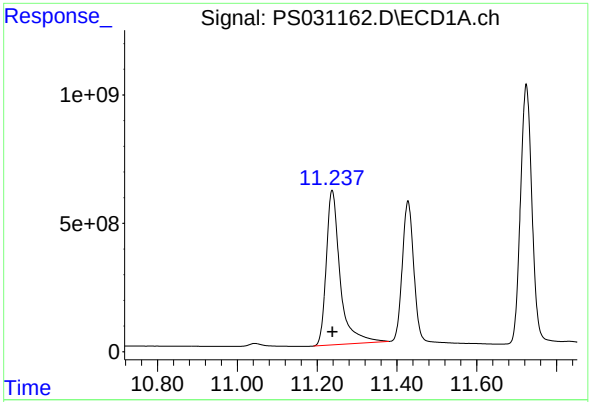
#14 DINOSEB

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



#14 DINOSEB

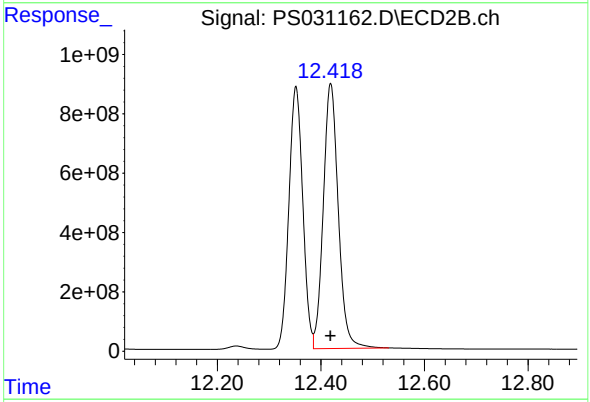
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 7842727860
Conc: 693.92 ng/ml



#15 Picloram

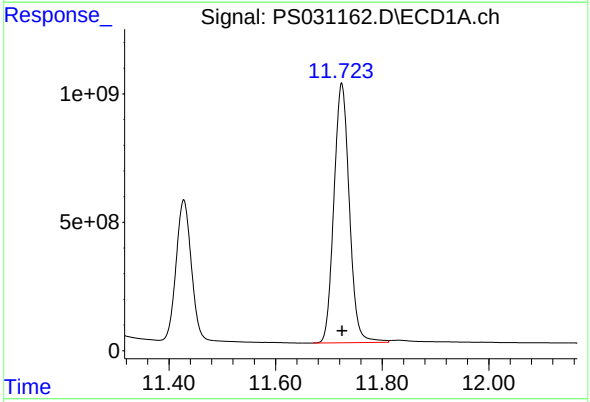
R.T.: 11.238 min
Delta R.T.: 0.000 min
Response: 14555030992
Conc: 727.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



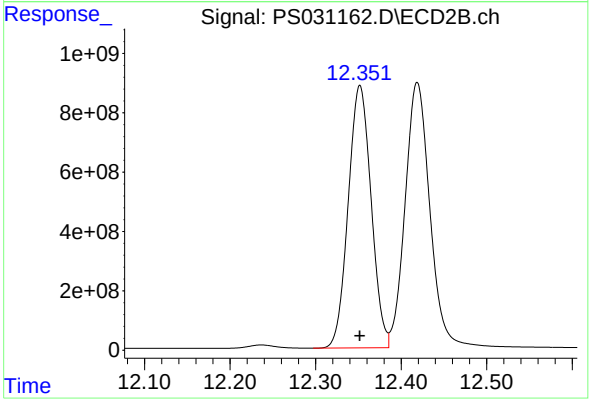
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Raw Data: **PS031180.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 09:50 **Initial Calibration Time(s):** 15:02 16:39

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.51	7.51	7.41	7.61	0.00
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
Dalapon	2.69	2.69	2.59	2.79	0.00
DICHLORPROP	8.22	8.22	8.12	8.32	0.00
2,4-D	8.45	8.46	8.36	8.56	0.01
2,4,5-TP(Silvex)	9.34	9.34	9.24	9.44	0.00
2,4,5-T	9.63	9.64	9.54	9.74	0.01
2,4-DB	10.21	10.21	10.11	10.31	0.00
Dinoseb	11.42	11.43	11.33	11.53	0.01

Raw Data: **PS031180.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 09:50 **Initial Calibration Time(s):** 15:02 16:39

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.01
Dalapon	2.70	2.70	2.60	2.80	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.92	10.82	11.02	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/23/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031180.D **Time Analyzed:** 09:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.632	9.536	9.736	781.850	712.500	9.7
2,4,5-TP(Silvex)	9.338	9.242	9.442	748.590	712.500	5.1
2,4-D	8.453	8.356	8.556	748.940	705.000	6.2
2,4-DB	10.209	10.113	10.313	798.300	712.500	12.0
2,4-DCAA	7.321	7.225	7.425	774.700	750.000	3.3
Dalapon	2.687	2.590	2.790	670.710	682.500	-1.7
DICAMBA	7.511	7.414	7.614	733.790	705.000	4.1
DICHLORPROP	8.222	8.124	8.324	717.360	705.000	1.8
Dinoseb	11.423	11.327	11.527	739.820	705.000	4.9

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/23/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031180.D **Time Analyzed:** 09:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.353	10.256	10.456	728.950	712.500	2.3
2,4,5-TP(Silvex)	9.926	9.829	10.029	729.540	712.500	2.4
2,4-D	9.022	8.924	9.124	709.490	705.000	0.6
2,4-DB	10.920	10.823	11.023	728.090	712.500	2.2
2,4-DCAA	7.765	7.666	7.866	754.530	750.000	0.6
Dalapon	2.703	2.603	2.803	660.750	682.500	-3.2
DICAMBA	7.966	7.868	8.068	726.410	705.000	3.0
DICHLORPROP	8.685	8.588	8.788	706.360	705.000	0.2
Dinoseb	11.305	11.208	11.408	723.670	705.000	2.6

Sample Results: **PS031180.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:50
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.321	7.765	3368.6E6	765.8E6	774.701m	754.525
		Target Compounds						
1)	T	Dalapon	2.687	2.703	4207.3E6	1874.4E6	670.714	660.750
2)	T	3,5-DICHL...	6.484	6.712	3952.5E6	1073.7E6	715.667	697.226
3)	T	4-Nitroph...	7.122	7.298	1247.7E6	1263.8E6	756.720	698.473
5)	T	DICAMBA	7.511	7.966	12105.2E6	4687.8E6	733.785	726.410
6)	T	MCPP	7.692	8.065	767.4E6	153.3E6	76.665	73.762
7)	T	MCPA	7.843	8.314	944.7E6	229.6E6	75.487	72.758
8)	T	DICHLORPROP	8.222	8.685	2741.7E6	1070.0E6	717.361	706.363
9)	T	2,4-D	8.453	9.022	2797.2E6	1204.9E6	748.945	709.489
10)	T	Pentachlo...	8.762	9.545	42413.9E6	29362.7E6	776.505	751.325
11)	T	2,4,5-TP ...	9.338	9.926	16434.3E6	10865.9E6	748.594	729.537
12)	T	2,4,5-T	9.632	10.353	15267.8E6	10365.3E6	781.851	728.954
13)	T	2,4-DB	10.209	10.920	2386.8E6	852.2E6	798.303	728.094
14)	T	DINOSEB	11.423	11.305	11518.6E6	8179.0E6	739.819	723.669
15)	T	Picloram	11.234	12.415	16216.3E6	18579.8E6	810.549	746.326
16)	T	DCPA	11.720	12.349	21609.6E6	17155.7E6	753.119	744.731

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:50
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

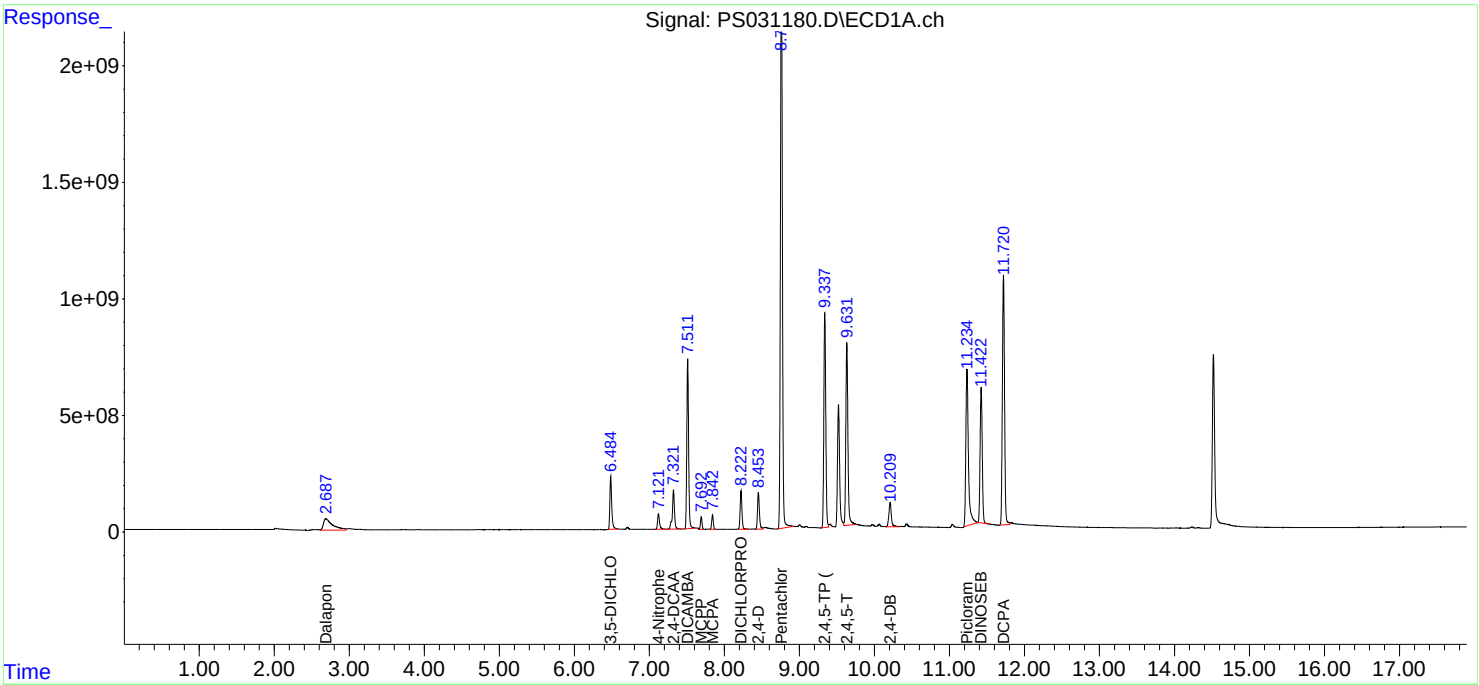
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

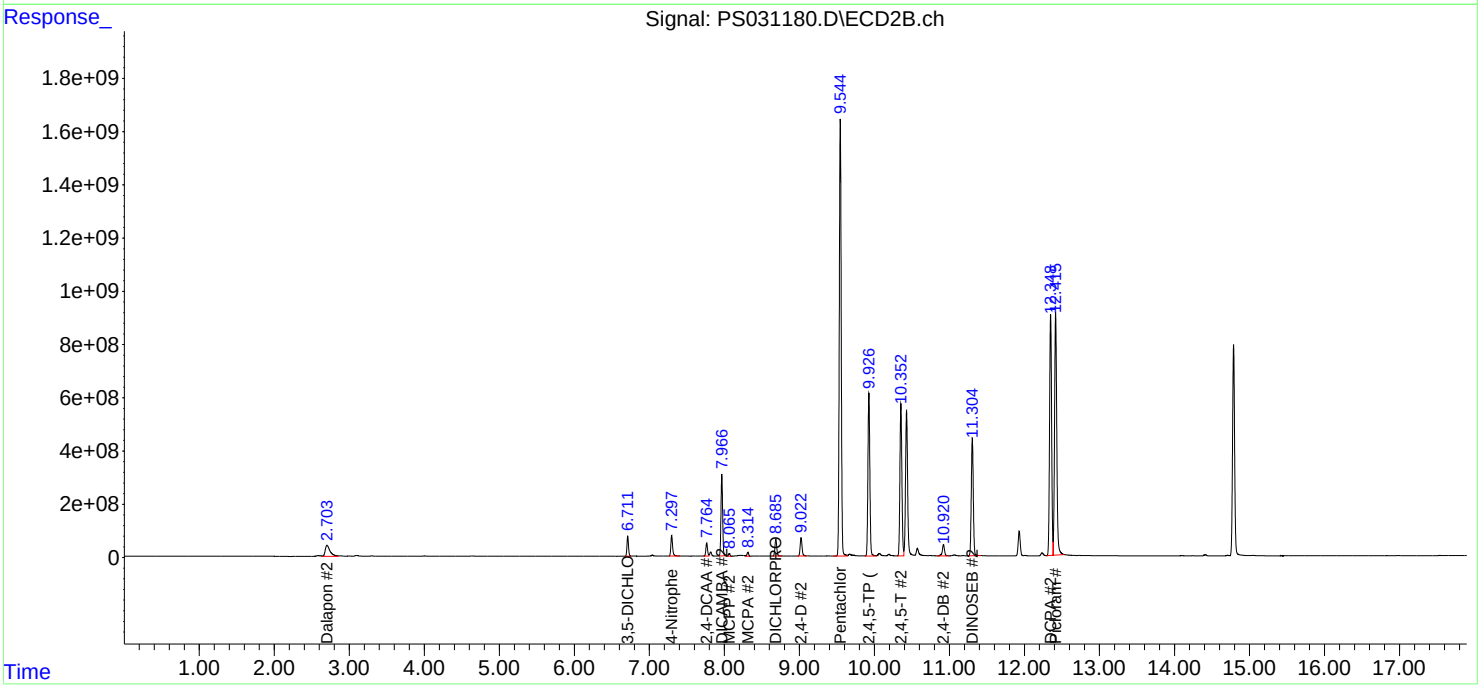
Manual Integrations APPROVED

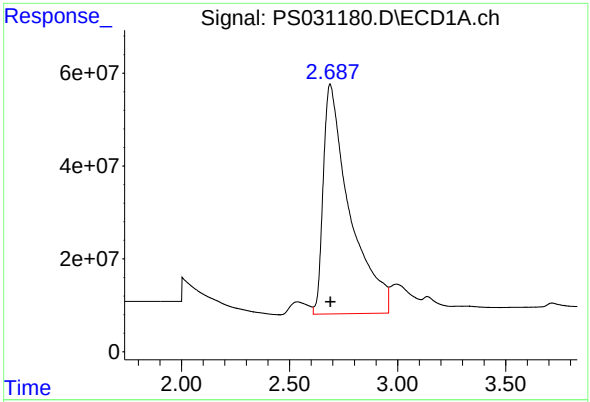
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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







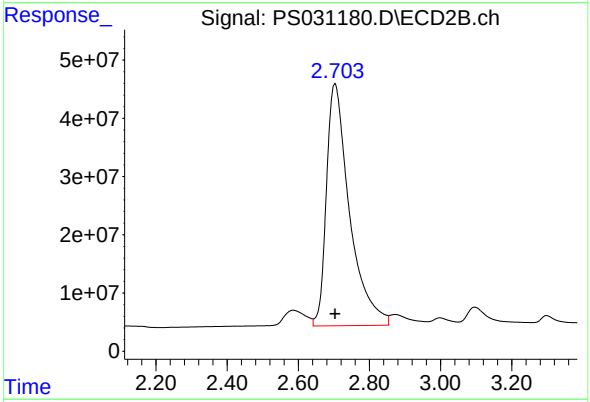
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 4207326457
Conc: 670.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

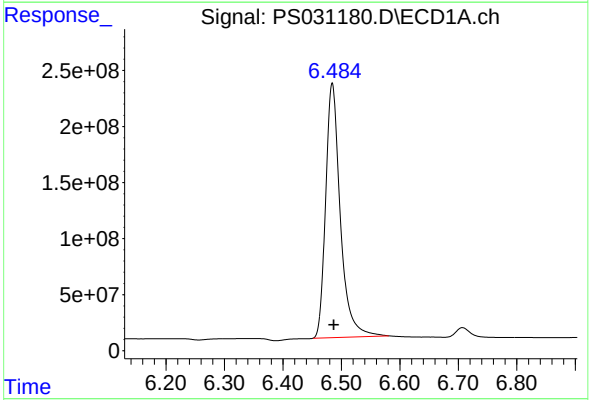
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



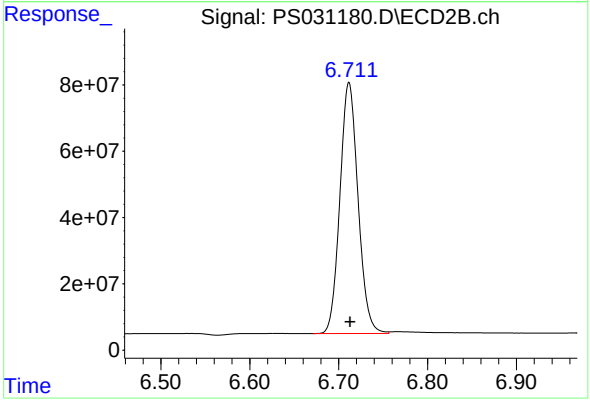
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1874376701
Conc: 660.75 ng/ml



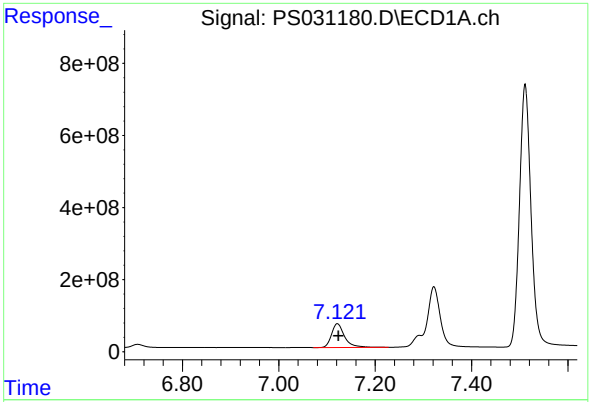
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 3952450159
Conc: 715.67 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.712 min
Delta R.T.: -0.001 min
Response: 1073654055
Conc: 697.23 ng/ml



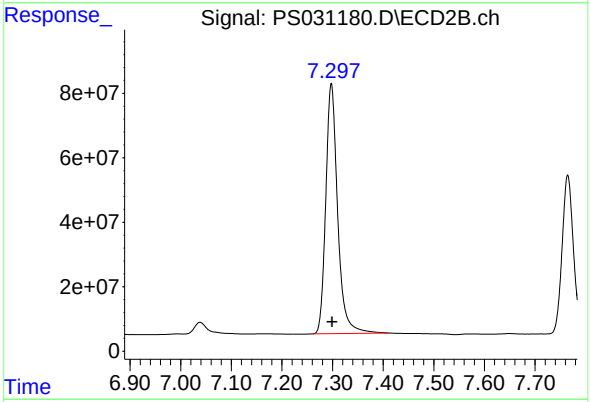
#3 4-Nitrophenol

R.T.: 7.122 min
Delta R.T.: -0.002 min
Response: 1247668660
Conc: 756.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

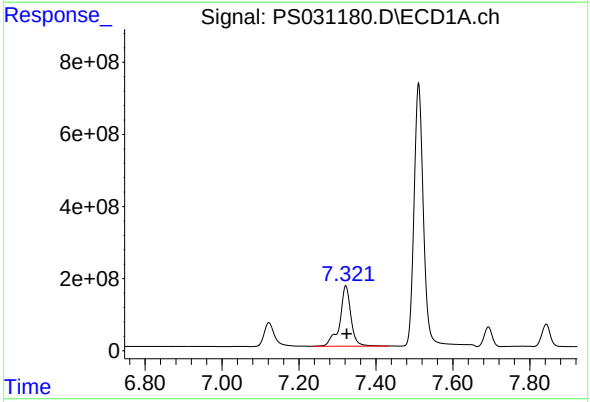
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



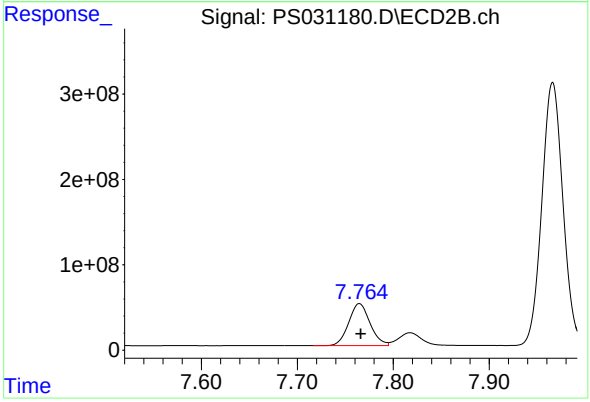
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 1263758471
Conc: 698.47 ng/ml



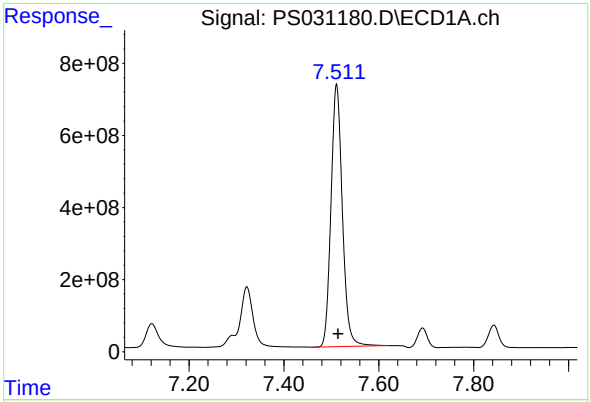
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 3368598214
Conc: 774.70 ng/ml m



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.001 min
Response: 765819028
Conc: 754.53 ng/ml



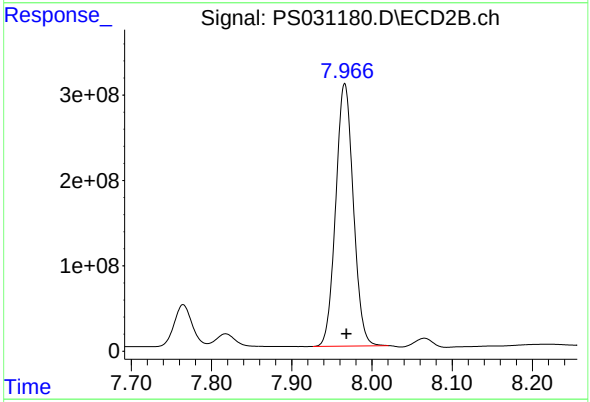
#5 DICAMBA

R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 12105226730
Conc: 733.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

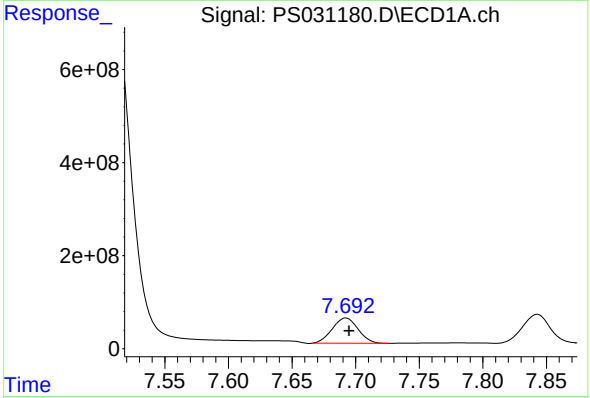
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



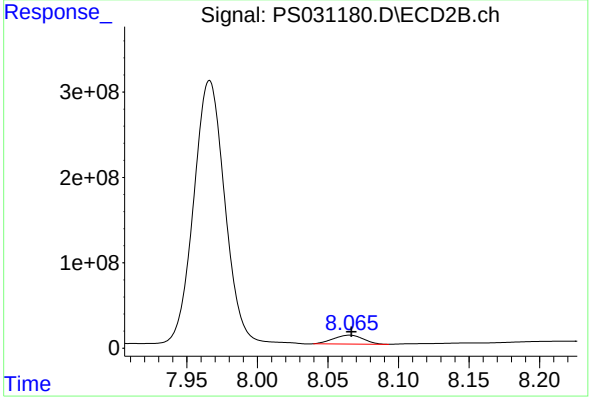
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4687789874
Conc: 726.41 ng/ml



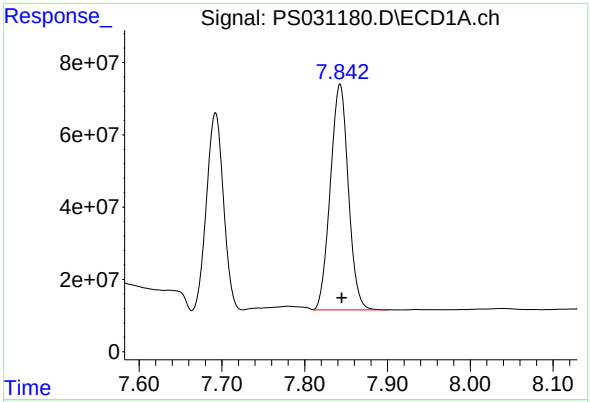
#6 MCPP

R.T.: 7.692 min
Delta R.T.: -0.003 min
Response: 767417710
Conc: 76.66 ug/ml



#6 MCPP

R.T.: 8.065 min
Delta R.T.: -0.001 min
Response: 153262654
Conc: 73.76 ug/ml



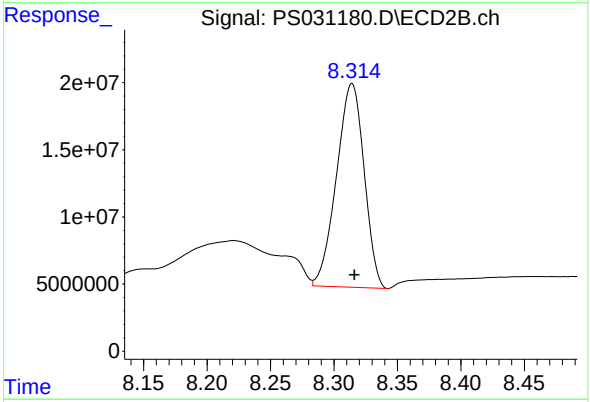
#7 MCPA

R.T.: 7.843 min
Delta R.T.: -0.002 min
Response: 944660895
Conc: 75.49 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

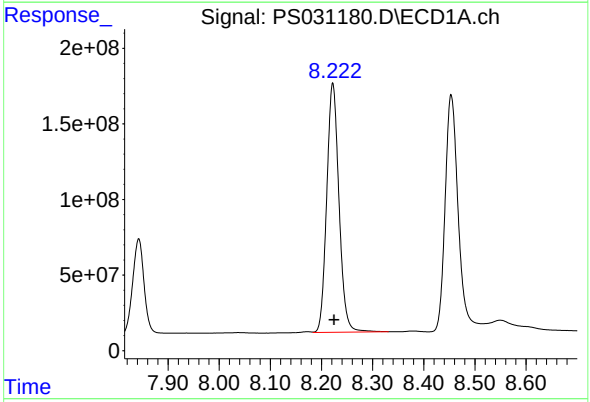
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



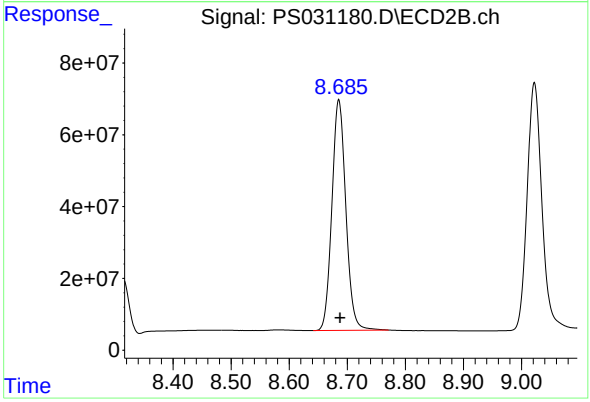
#7 MCPA

R.T.: 8.314 min
Delta R.T.: -0.002 min
Response: 229567106
Conc: 72.76 ug/ml



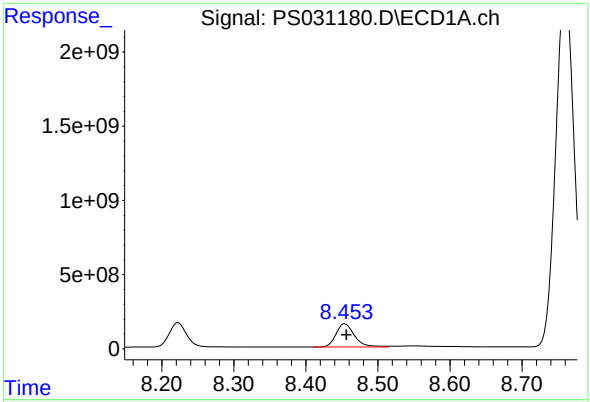
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.002 min
Response: 2741720548
Conc: 717.36 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1070041462
Conc: 706.36 ng/ml



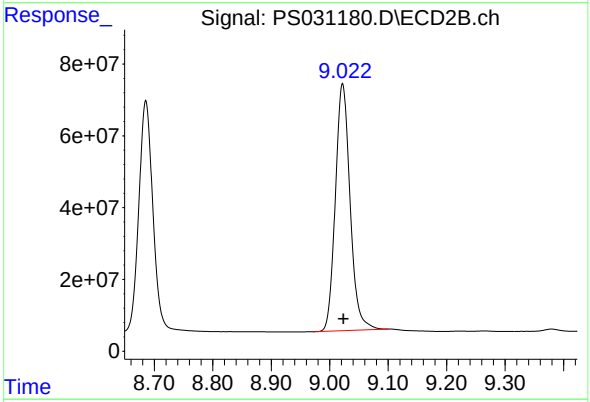
#9 2,4-D

R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 2797245203
Conc: 748.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

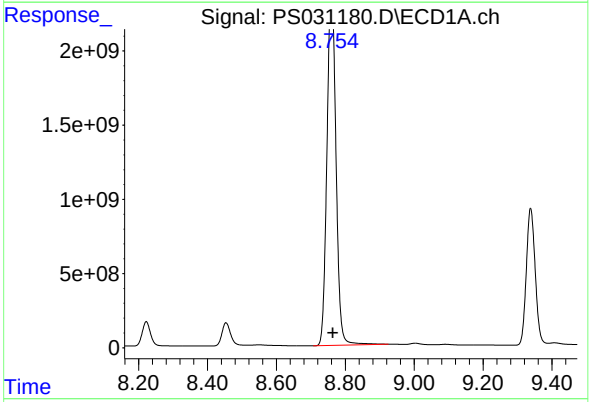
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



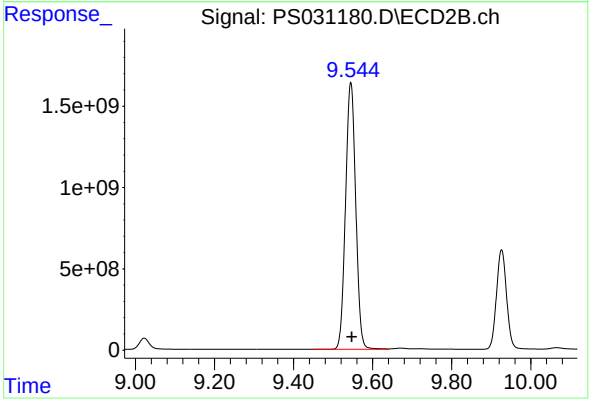
#9 2,4-D

R.T.: 9.022 min
Delta R.T.: -0.002 min
Response: 1204939145
Conc: 709.49 ng/ml



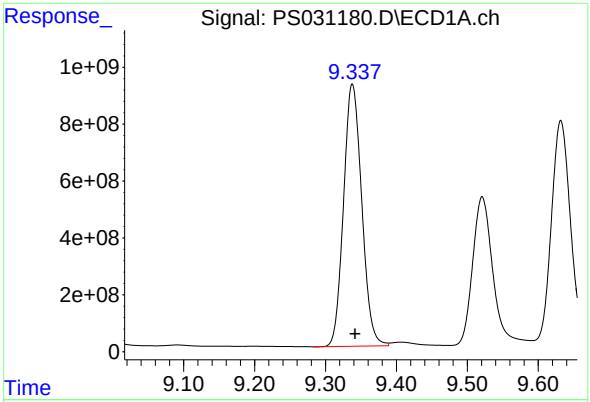
#10 Pentachlorophenol

R.T.: 8.762 min
Delta R.T.: -0.002 min
Response: 42413884133
Conc: 776.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 29362681559
Conc: 751.32 ng/ml



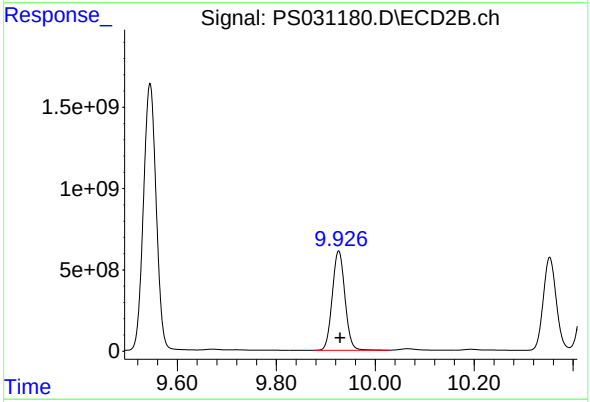
#11 2,4,5-TP (SILVEX)

R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 16434315198
Conc: 748.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

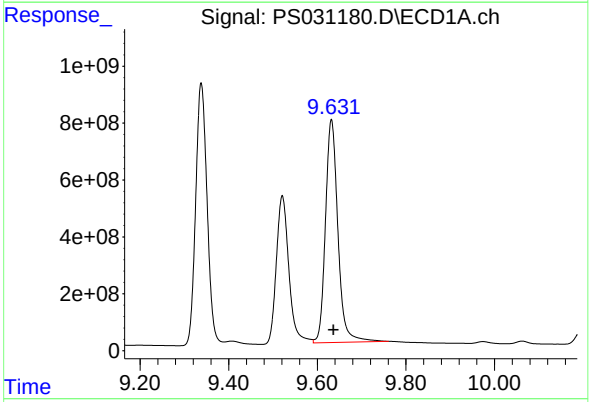
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



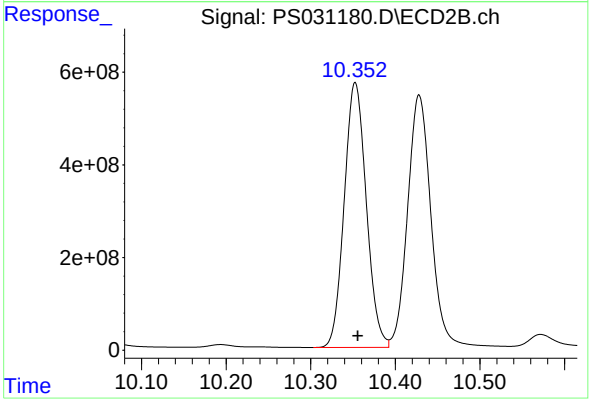
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 10865863483
Conc: 729.54 ng/ml



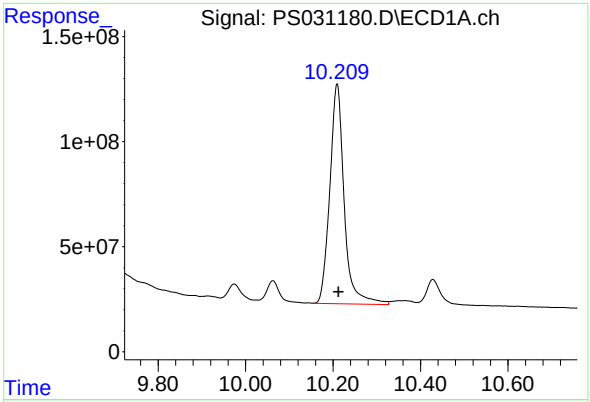
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 15267827951
Conc: 781.85 ng/ml



#12 2,4,5-T

R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 10365333497
Conc: 728.95 ng/ml



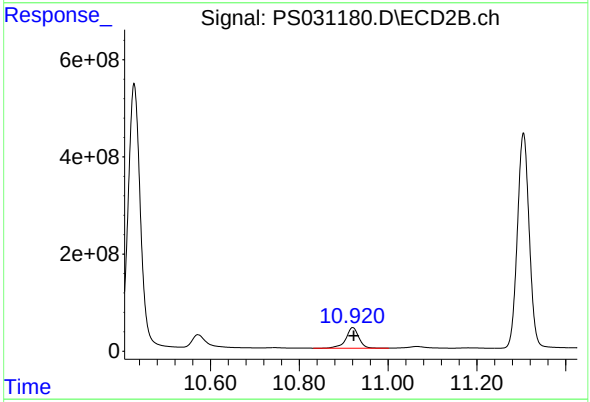
#13 2,4-DB

R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 2386831588
Conc: 798.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

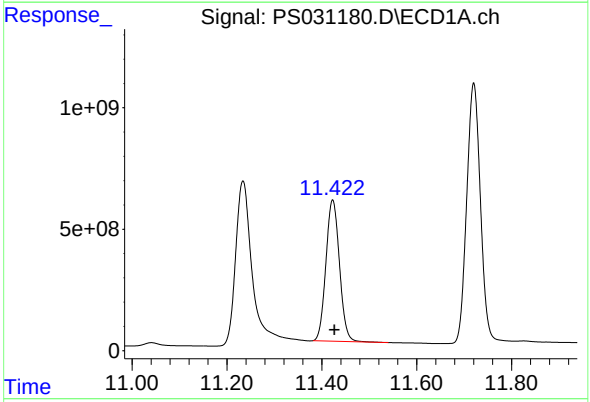
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



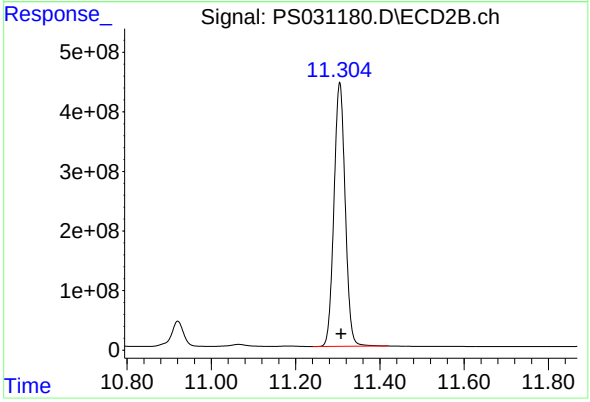
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 852241682
Conc: 728.09 ng/ml



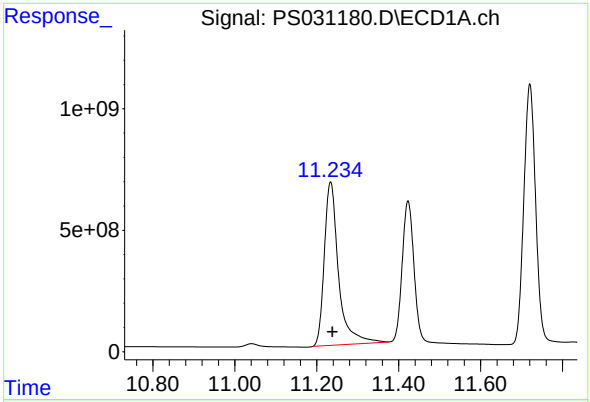
#14 DINOSEB

R.T.: 11.423 min
Delta R.T.: -0.004 min
Response: 11518607721
Conc: 739.82 ng/ml



#14 DINOSEB

R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 8178971594
Conc: 723.67 ng/ml



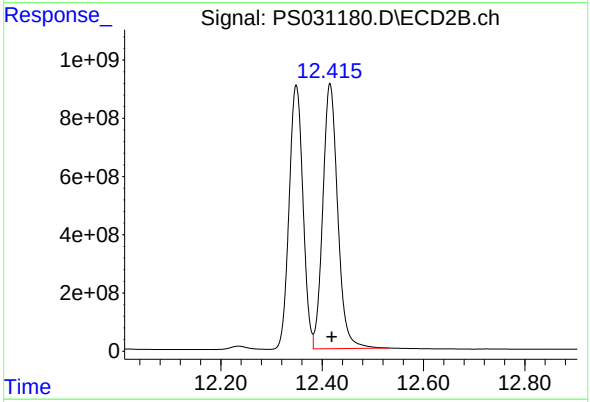
#15 Picloram

R.T.: 11.234 min
Delta R.T.: -0.005 min
Response: 16216315998
Conc: 810.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

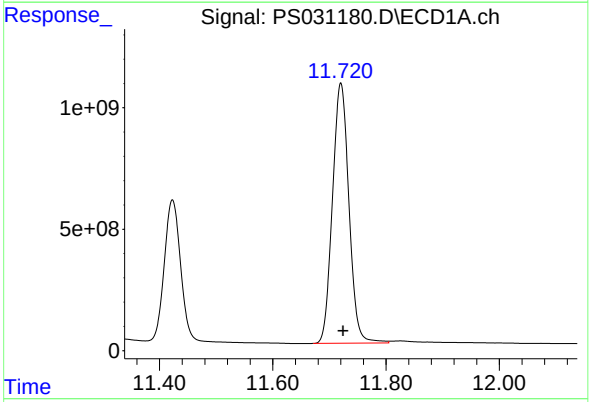
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



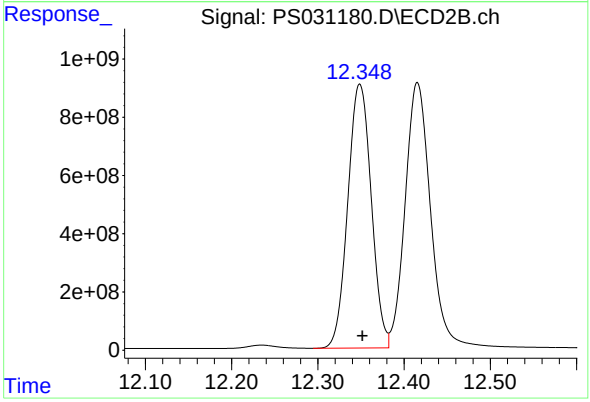
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.003 min
Response: 18579800923
Conc: 746.33 ng/ml



#16 DCPA

R.T.: 11.720 min
Delta R.T.: -0.004 min
Response: 21609603179
Conc: 753.12 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 17155656798
Conc: 744.73 ng/ml

Raw Data: **PS031192.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 15:03 **Initial Calibration Time(s):** 15:02 16:39

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.51	7.51	7.41	7.61	0.00
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
Dalapon	2.69	2.69	2.59	2.79	0.00
DICHLORPROP	8.22	8.22	8.12	8.32	0.00
2,4-D	8.45	8.46	8.36	8.56	0.01
2,4,5-TP(Silvex)	9.34	9.34	9.24	9.44	0.00
2,4,5-T	9.63	9.64	9.54	9.74	0.01
2,4-DB	10.21	10.21	10.11	10.31	0.00
Dinoseb	11.42	11.43	11.33	11.53	0.01

Raw Data: **PS031192.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 15:03 **Initial Calibration Time(s):** 15:02 16:39

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
Dalapon	2.70	2.70	2.60	2.80	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.92	10.82	11.02	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

Raw Data: **PS031192.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/23/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031192.D **Time Analyzed:** 15:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.631	9.536	9.736	816.680	712.500	14.6
2,4,5-TP(Silvex)	9.338	9.242	9.442	764.910	712.500	7.4
2,4-D	8.453	8.356	8.556	782.690	705.000	11.0
2,4-DB	10.207	10.113	10.313	846.130	712.500	18.8
2,4-DCAA	7.322	7.225	7.425	777.850	750.000	3.7
Dalapon	2.688	2.590	2.790	660.220	682.500	-3.3
DICAMBA	7.511	7.414	7.614	742.910	705.000	5.4
DICHLORPROP	8.221	8.124	8.324	735.440	705.000	4.3
Dinoseb	11.422	11.327	11.527	724.320	705.000	2.7

Raw Data: **PS031192.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/23/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031192.D **Time Analyzed:** 15:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.353	10.256	10.456	746.310	712.500	4.7
2,4,5-TP(Silvex)	9.926	9.829	10.029	742.480	712.500	4.2
2,4-D	9.021	8.924	9.124	730.050	705.000	3.6
2,4-DB	10.920	10.823	11.023	741.070	712.500	4.0
2,4-DCAA	7.764	7.666	7.866	781.490	750.000	4.2
Dalapon	2.704	2.603	2.803	674.700	682.500	-1.1
DICAMBA	7.966	7.868	8.068	750.310	705.000	6.4
DICHLORPROP	8.685	8.588	8.788	720.940	705.000	2.3
Dinoseb	11.305	11.208	11.408	714.690	705.000	1.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:19:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.322	7.764	3382.3E6	793.2E6	777.845	781.487
		Target Compounds						
1)	T	Dalapon	2.688	2.704	4141.5E6	1913.9E6	660.218	674.696
2)	T	3,5-DICHL...	6.484	6.711	3986.0E6	1110.3E6	721.734	721.050
3)	T	4-Nitroph...	7.121	7.297	1332.8E6	1299.8E6	808.378	718.409
5)	T	DICAMBA	7.511	7.966	12255.7E6	4842.0E6	742.908	750.309
6)	T	MCPP	7.693	8.066	800.6E6	154.5E6	79.979	74.378
7)	T	MCPA	7.843	8.315	978.7E6	229.2E6	78.209	72.648
8)	T	DICHLORPROP	8.221	8.685	2810.8E6	1092.1E6	735.444	720.944
9)	T	2,4-D	8.453	9.021	2923.3E6	1239.9E6	782.686	730.046
10)	T	Pentachlo...	8.763	9.545	43026.2E6	29838.3E6	787.715	763.496
11)	T	2,4,5-TP ...	9.338	9.926	16792.4E6	11058.6E6	764.907	742.479
12)	T	2,4,5-T	9.631	10.353	15948.0E6	10612.2E6	816.682	746.314
13)	T	2,4-DB	10.207	10.920	2529.8E6	867.4E6	846.133m	741.069
14)	T	DINOSEB	11.422	11.305	11277.2E6	8077.5E6	724.316	714.687
15)	T	Picloram	11.232	12.414	17960.6E6	18888.7E6	897.734	758.733
16)	T	DCPA	11.719	12.348	21597.4E6	17426.4E6	752.695	756.484m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

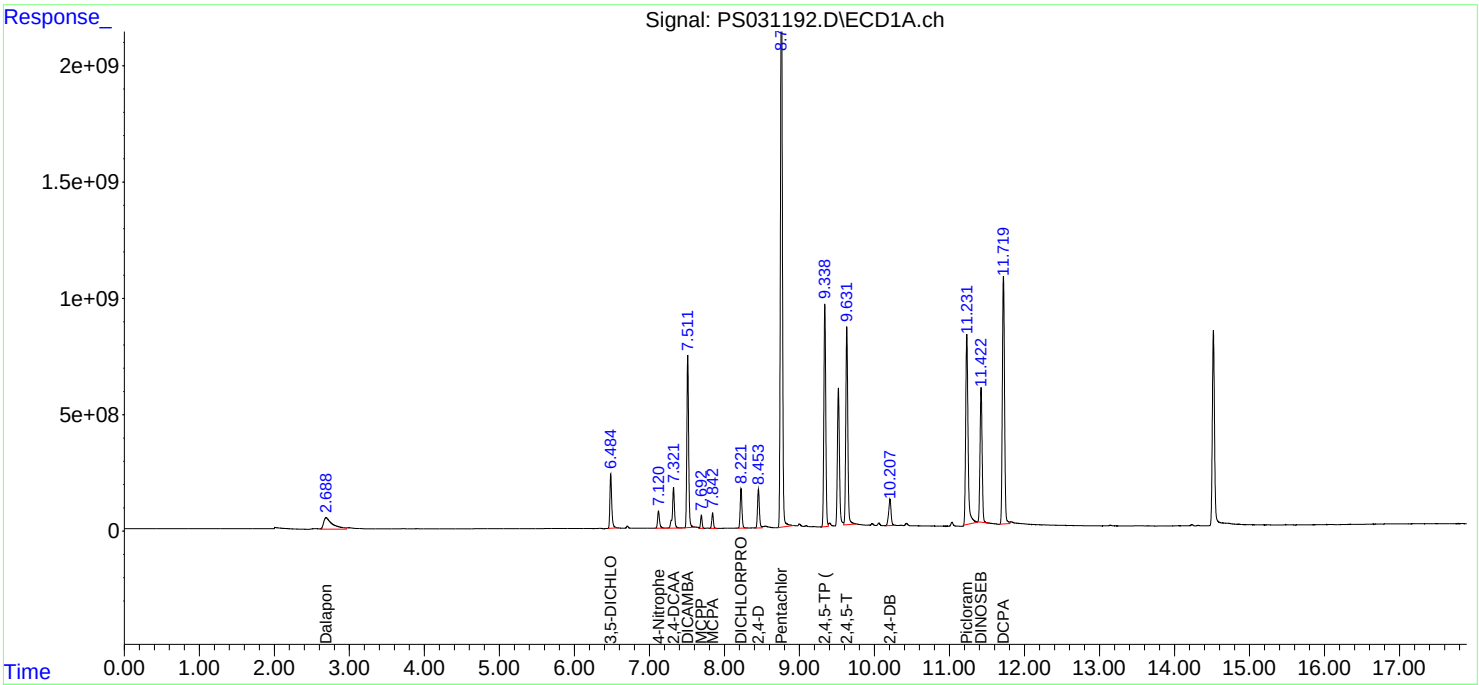
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

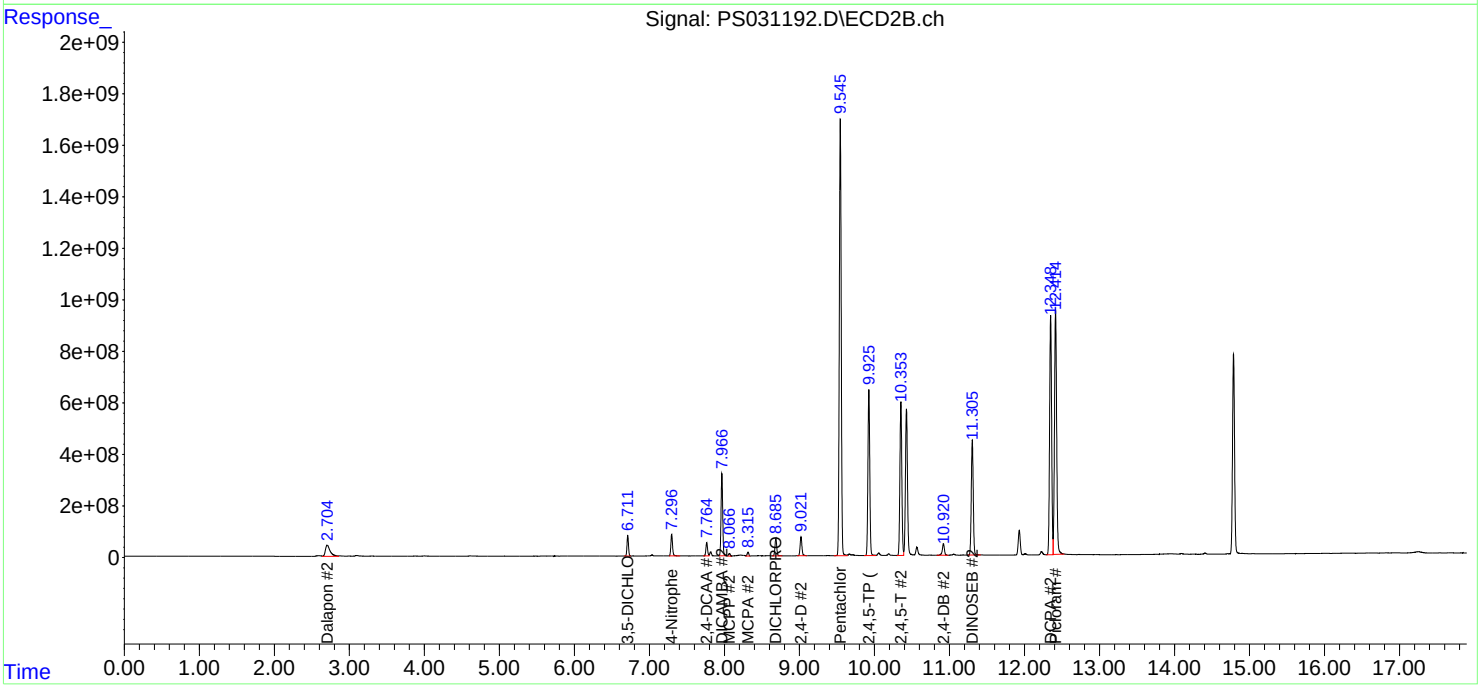
Manual Integrations APPROVED

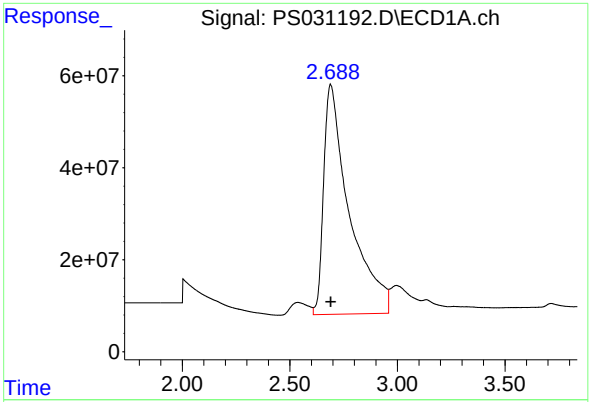
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:19:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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







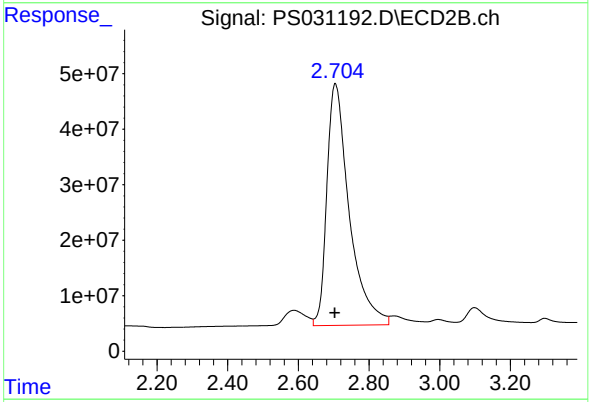
#1 Dalapon

R.T.: 2.688 min
Delta R.T.: -0.002 min
Response: 4141483354
Conc: 660.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

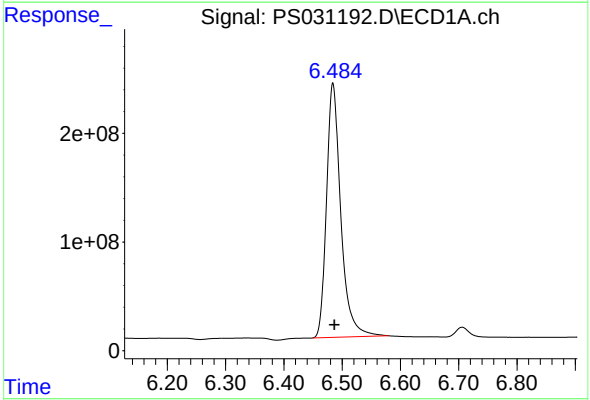
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



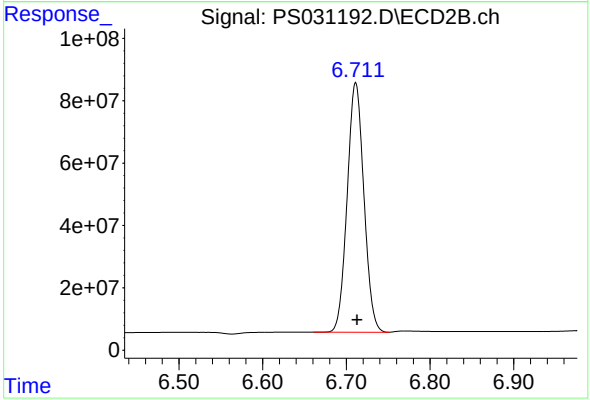
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1913937807
Conc: 674.70 ng/ml



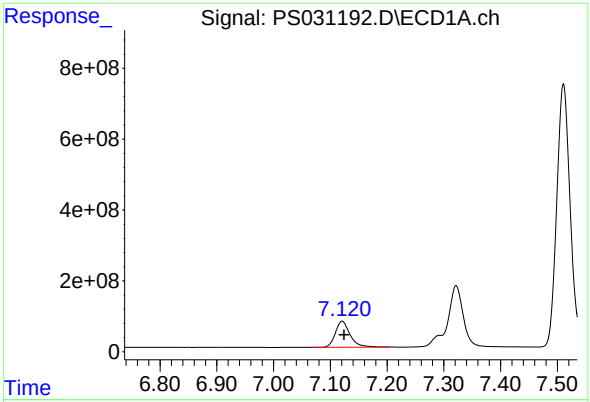
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 3985954838
Conc: 721.73 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1110340141
Conc: 721.05 ng/ml



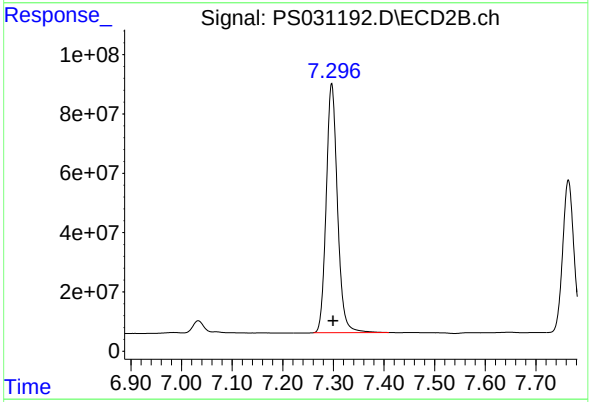
#3 4-Nitrophenol

R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 1332841881
Conc: 808.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

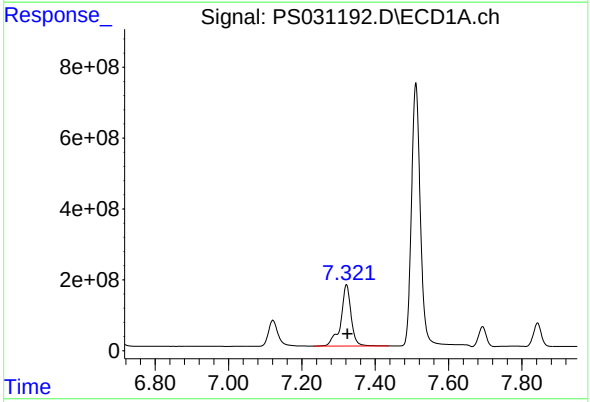
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



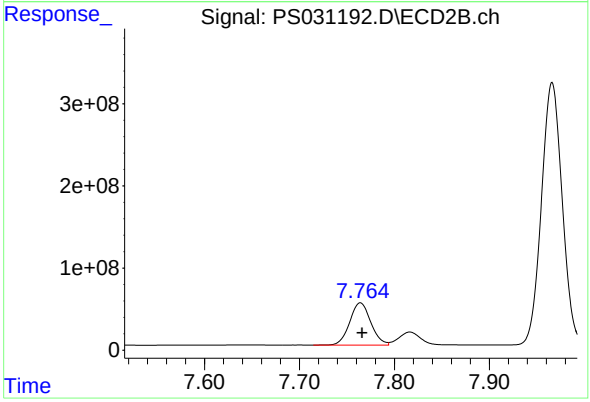
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 1299829815
Conc: 718.41 ng/ml



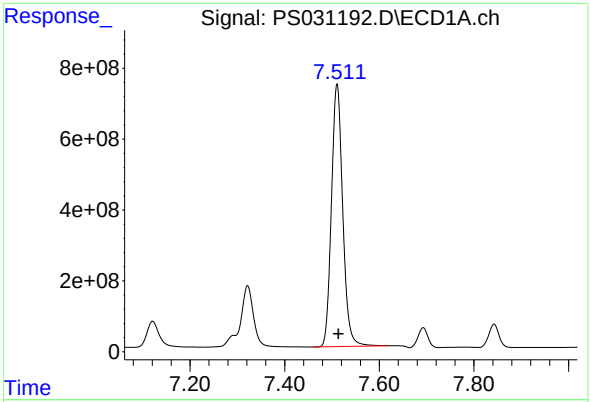
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 3382268835
Conc: 777.85 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 793184080
Conc: 781.49 ng/ml



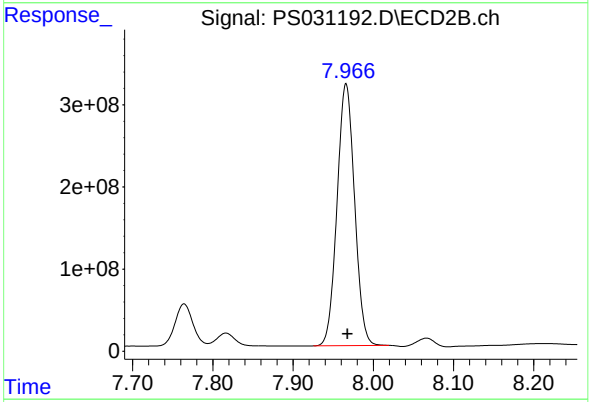
#5 DICAMBA

R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 12255723318
Conc: 742.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

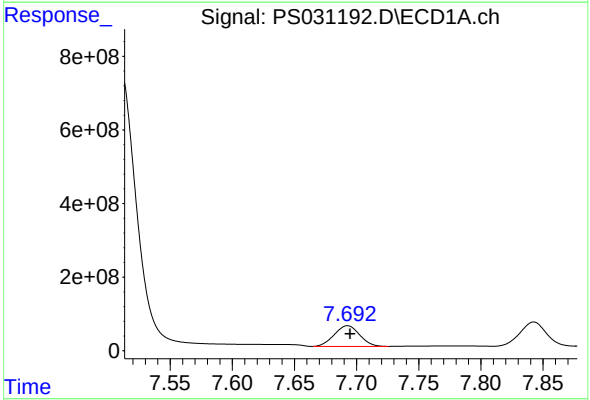
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



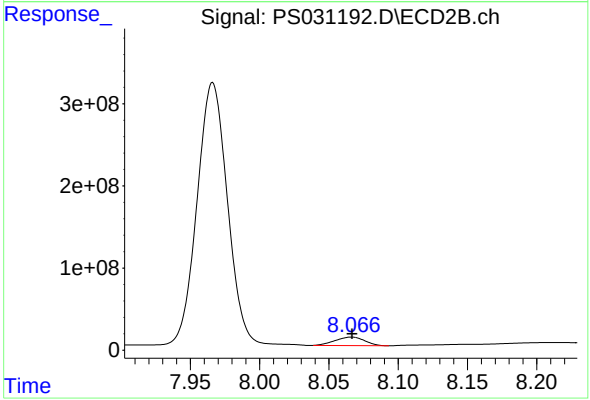
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4842019591
Conc: 750.31 ng/ml



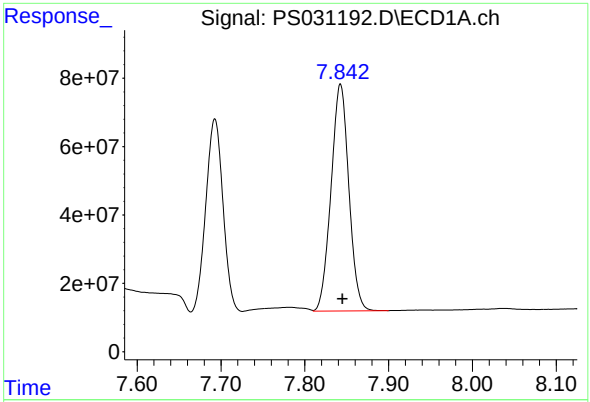
#6 MCPP

R.T.: 7.693 min
Delta R.T.: -0.002 min
Response: 800590773
Conc: 79.98 ug/ml



#6 MCPP

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 154542235
Conc: 74.38 ug/ml



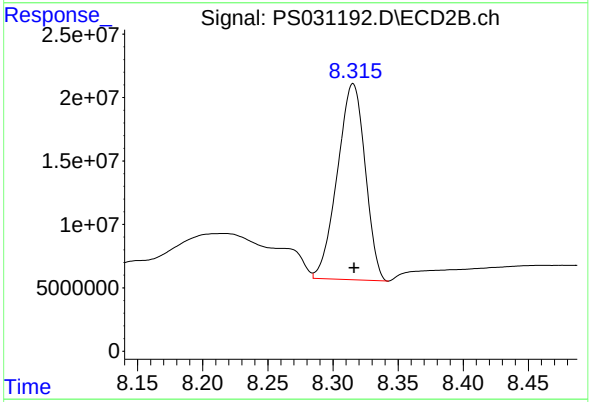
#7 MCPA

R.T.: 7.843 min
Delta R.T.: -0.002 min
Response: 978726147
Conc: 78.21 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

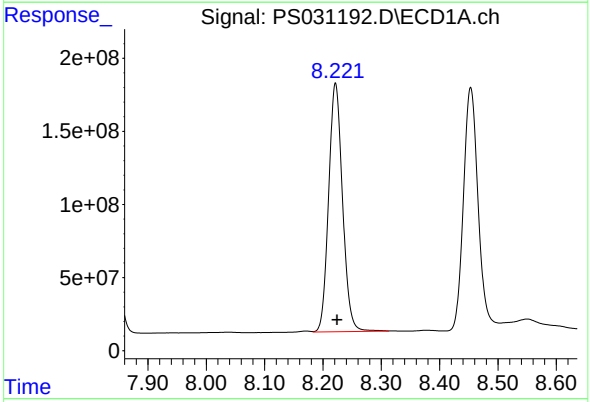
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



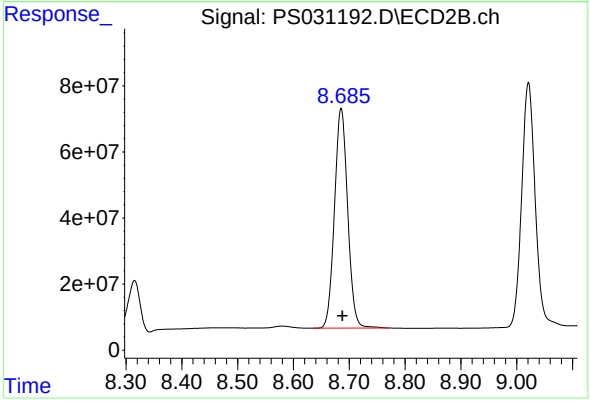
#7 MCPA

R.T.: 8.315 min
Delta R.T.: 0.000 min
Response: 229219957
Conc: 72.65 ug/ml



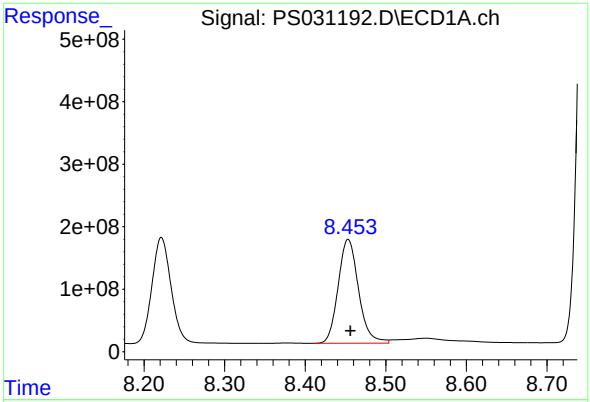
#8 DICHLORPROP

R.T.: 8.221 min
Delta R.T.: -0.003 min
Response: 2810834949
Conc: 735.44 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1092128846
Conc: 720.94 ng/ml



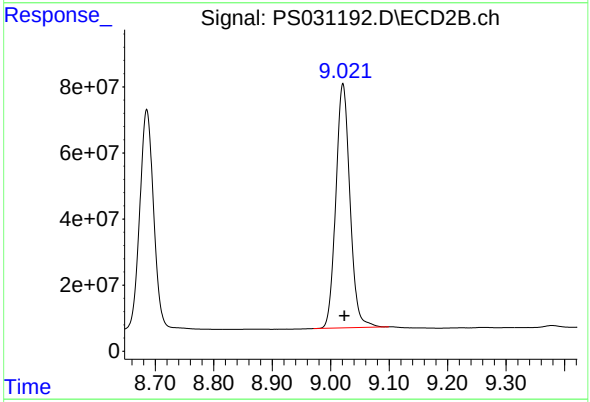
#9 2,4-D

R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 2923266789
Conc: 782.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

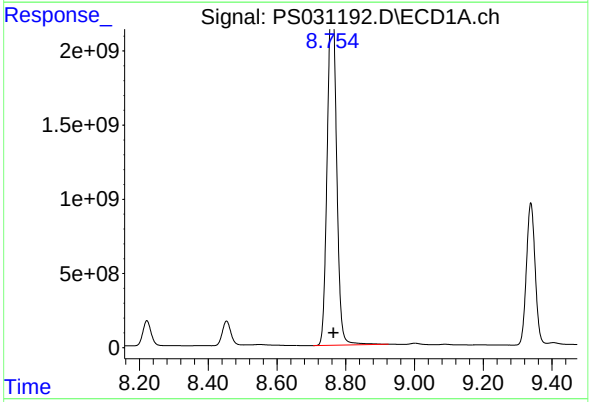
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



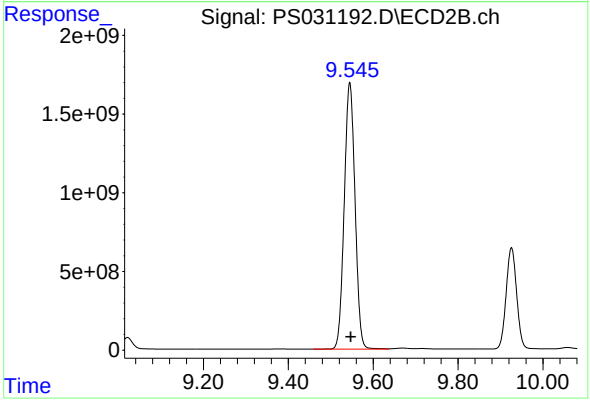
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 1239851370
Conc: 730.05 ng/ml



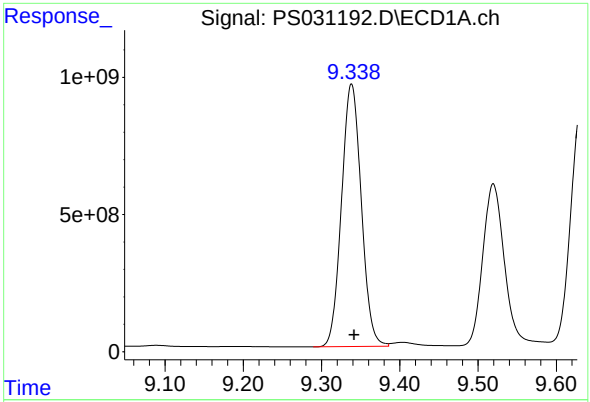
#10 Pentachlorophenol

R.T.: 8.763 min
Delta R.T.: 0.000 min
Response: 43026209769
Conc: 787.71 ng/ml



#10 Pentachlorophenol

R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 29838345958
Conc: 763.50 ng/ml



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

R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 16792444173
Conc: 764.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

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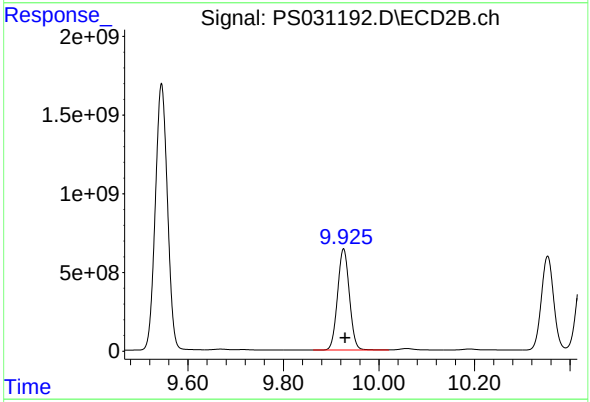
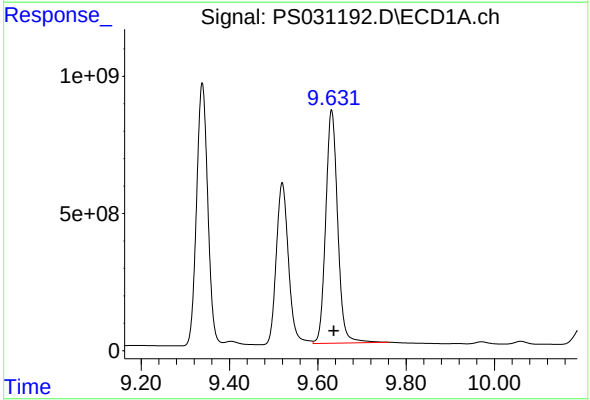


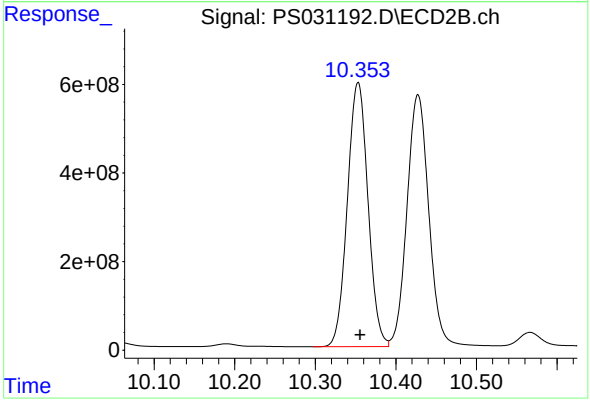
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 11058618876
Conc: 742.48 ng/ml



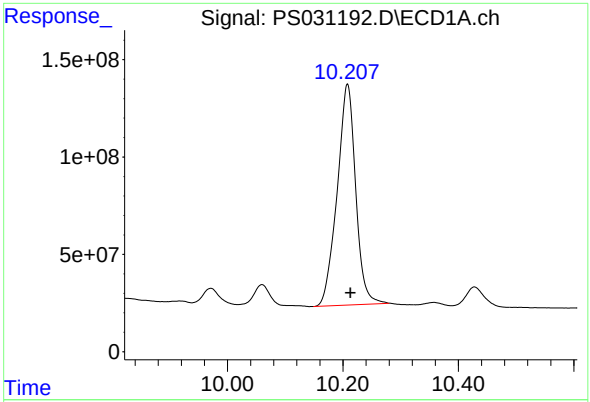
#12 2,4,5-T

R.T.: 9.631 min
Delta R.T.: -0.005 min
Response: 15947995088
Conc: 816.68 ng/ml



#12 2,4,5-T

R.T.: 10.353 min
Delta R.T.: -0.002 min
Response: 10612174904
Conc: 746.31 ng/ml



#13 2,4-DB

R.T.: 10.207 min
Delta R.T.: -0.005 min
Response: 2529838970
Conc: 846.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

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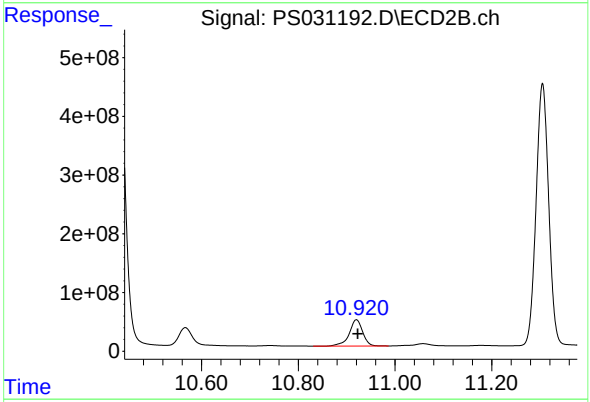
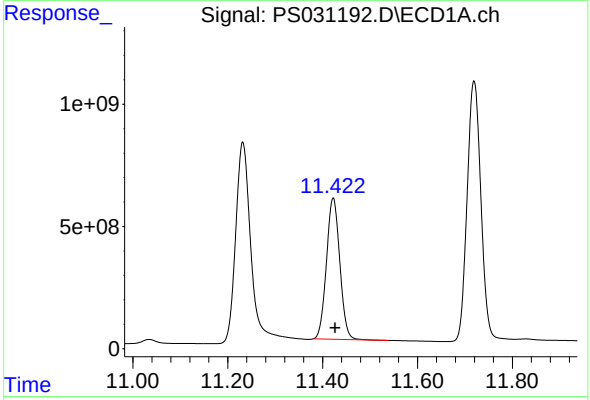
Supervised By :mohammad ahmed 07/25/2025



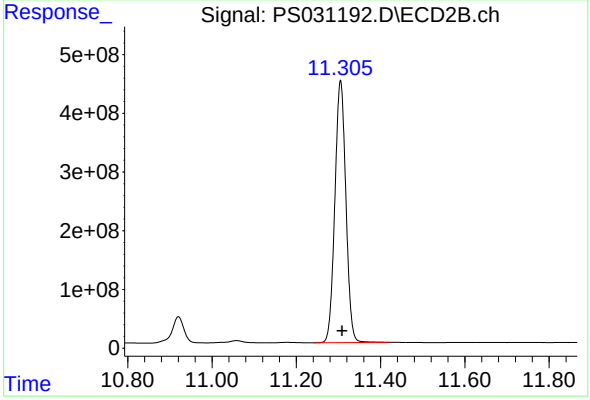
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 867429153
Conc: 741.07 ng/ml



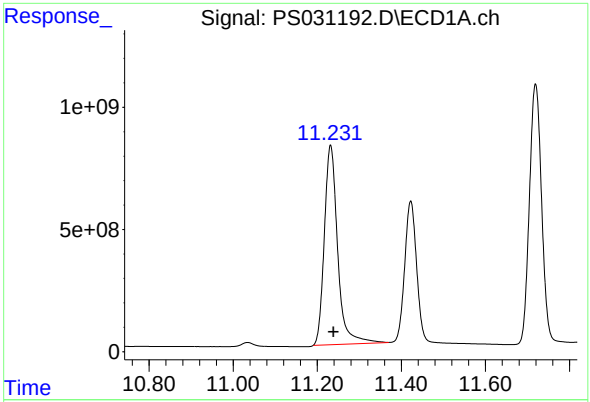
#14 DINOSEB

R.T.: 11.422 min
Delta R.T.: -0.004 min
Response: 11277237370
Conc: 724.32 ng/ml



#14 DINOSEB

R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 8077451534
Conc: 714.69 ng/ml



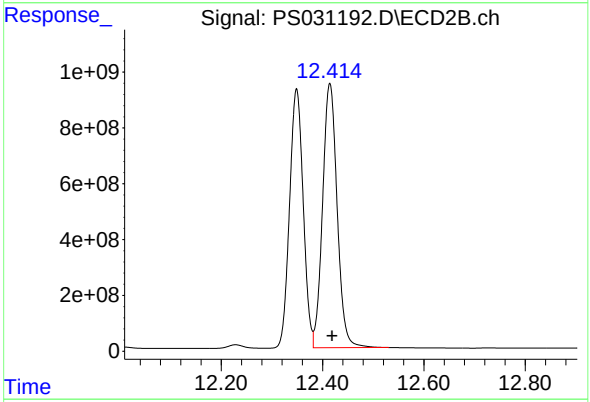
#15 Picloram

R.T.: 11.232 min
Delta R.T.: -0.007 min
Response: 17960584141
Conc: 897.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

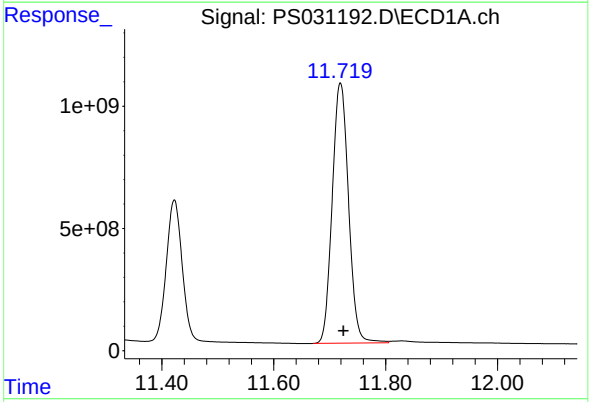
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



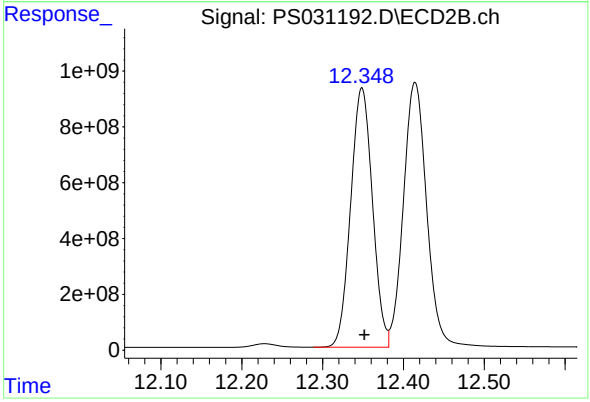
#15 Picloram

R.T.: 12.414 min
Delta R.T.: -0.004 min
Response: 18888690074
Conc: 758.73 ng/ml



#16 DCPA

R.T.: 11.719 min
Delta R.T.: -0.005 min
Response: 21597429597
Conc: 752.69 ng/ml



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.003 min
Response: 17426391031
Conc: 756.48 ng/ml m

Raw Data: **PS031222.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 12:03 **Initial Calibration Time(s):** 15:02 16:39

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.51	7.51	7.41	7.61	0.00
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
Dalapon	2.69	2.69	2.59	2.79	0.00
DICHLORPROP	8.22	8.22	8.12	8.32	0.00
2,4-D	8.45	8.46	8.36	8.56	0.01
2,4,5-TP(Silvex)	9.34	9.34	9.24	9.44	0.00
2,4,5-T	9.63	9.64	9.54	9.74	0.01
2,4-DB	10.21	10.21	10.11	10.31	0.00
Dinoseb	11.42	11.43	11.33	11.53	0.01

Raw Data: **PS031222.D**

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 12:03 **Initial Calibration Time(s):** 15:02 16:39

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.96	7.97	7.87	8.07	0.01
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
Dalapon	2.70	2.70	2.60	2.80	0.00
DICHLORPROP	8.68	8.69	8.59	8.79	0.01
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.92	9.93	9.83	10.03	0.01
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.92	10.82	11.02	0.00
Dinoseb	11.30	11.31	11.21	11.41	0.01

Raw Data: **PS031222.D**

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031222.D **Time Analyzed:** 12:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.632	9.536	9.736	721.780	712.500	1.3
2,4,5-TP(Silvex)	9.339	9.242	9.442	678.600	712.500	-4.8
2,4-D	8.453	8.356	8.556	662.660	705.000	-6.0
2,4-DB	10.209	10.113	10.313	730.560	712.500	2.5
2,4-DCAA	7.321	7.225	7.425	621.630	750.000	-17.1
Dalapon	2.688	2.590	2.790	613.440	682.500	-10.1
DICAMBA	7.510	7.414	7.614	652.750	705.000	-7.4
DICHLORPROP	8.222	8.124	8.324	642.330	705.000	-8.9
Dinoseb	11.424	11.327	11.527	640.400	705.000	-9.2

Raw Data: **PS031222.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031222.D **Time Analyzed:** 12:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.350	10.256	10.456	641.490	712.500	-10.0
2,4,5-TP(Silvex)	9.924	9.829	10.029	643.230	712.500	-9.7
2,4-D	9.019	8.924	9.124	628.640	705.000	-10.8
2,4-DB	10.919	10.823	11.023	645.240	712.500	-9.4
2,4-DCAA	7.761	7.666	7.866	666.260	750.000	-11.2
Dalapon	2.699	2.603	2.803	606.660	682.500	-11.1
DICAMBA	7.963	7.868	8.068	634.730	705.000	-10.0
DICHLORPROP	8.682	8.588	8.788	626.170	705.000	-11.2
Dinoseb	11.303	11.208	11.408	609.320	705.000	-13.6

Sample Results: **PS031222.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:04:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.321	7.761	2703.0E6	676.2E6	621.635m	666.261
		Target Compounds						
1)	T	Dalapon	2.688	2.699	3848.0E6	1720.9E6	613.435	606.660
2)	T	3,5-DICHL...	6.484	6.708	3521.7E6	941.1E6	637.679	611.122
3)	T	4-Nitroph...	7.121	7.294	1151.6E6	1103.7E6	698.446	610.029
5)	T	DICAMBA	7.510	7.963	10768.4E6	4096.2E6	652.749	634.731
6)	T	MCPP	7.692	8.062	667.8E6	130.3E6	66.712	62.733
7)	T	MCPA	7.842	8.311	821.2E6	186.7E6	65.620	59.181
8)	T	DICHLORPROP	8.222	8.682	2454.9E6	948.6E6	642.327	626.171
9)	T	2,4-D	8.453	9.019	2475.0E6	1067.6E6	662.664m	628.641
10)	T	Pentachlo...	8.760	9.542	39321.6E6	25843.9E6	719.892	661.286
11)	T	2,4,5-TP ...	9.339	9.924	14897.7E6	9580.4E6	678.601	643.232
12)	T	2,4,5-T	9.632	10.350	14094.7E6	9121.6E6	721.777	641.486
13)	T	2,4-DB	10.209	10.919	2184.3E6	755.3E6	730.556m	645.238
14)	T	DINOSEB	11.424	11.303	9970.6E6	6886.6E6	640.396	609.323
15)	T	Picloram	11.233	12.413	15503.2E6	16230.8E6	774.903	651.970
16)	T	DCPA	11.721	12.347	19569.5E6	15008.8E6	682.020	651.534

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

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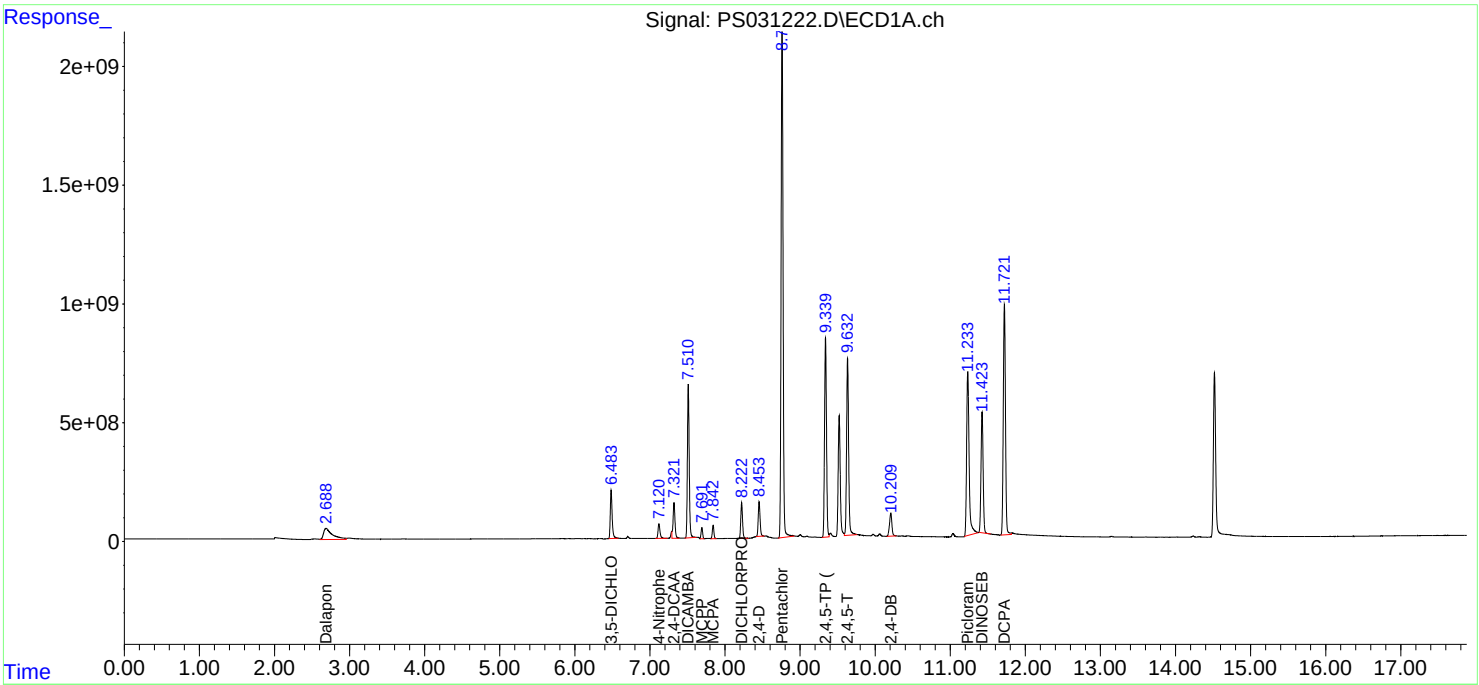
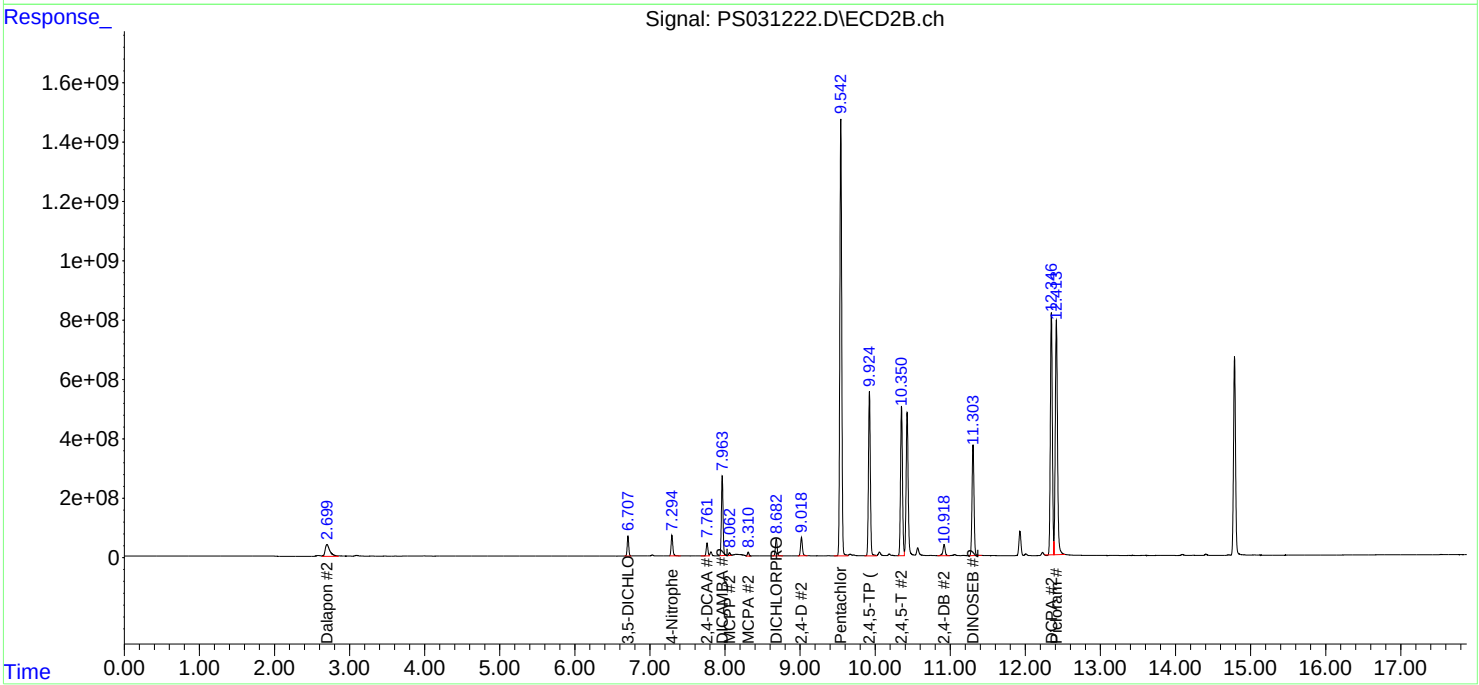
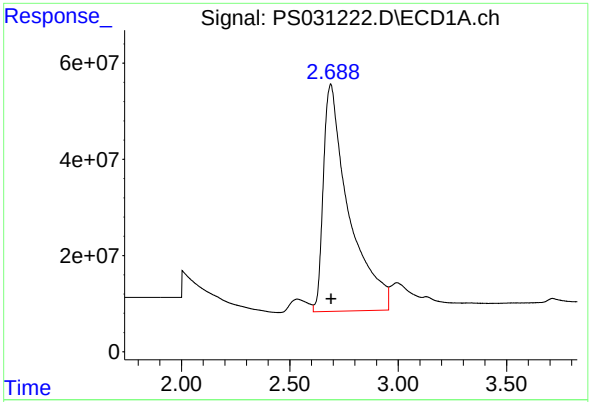
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:04:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Dalapon

R.T.: 2.688 min
Delta R.T.: -0.002 min
Response: 3848020663
Conc: 613.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
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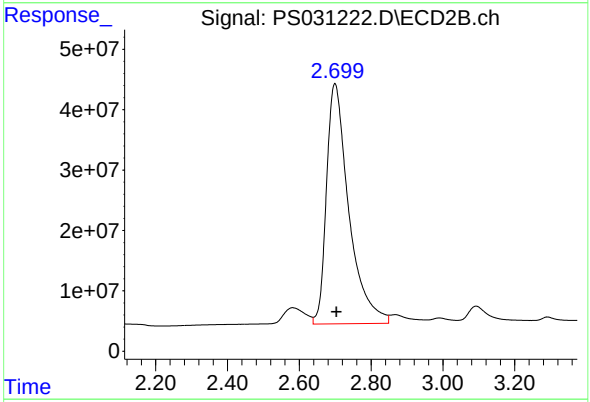
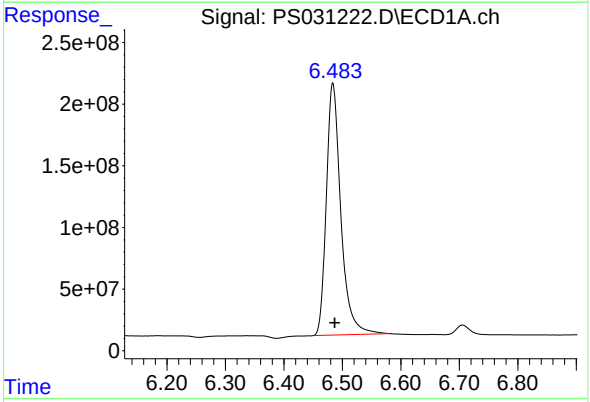


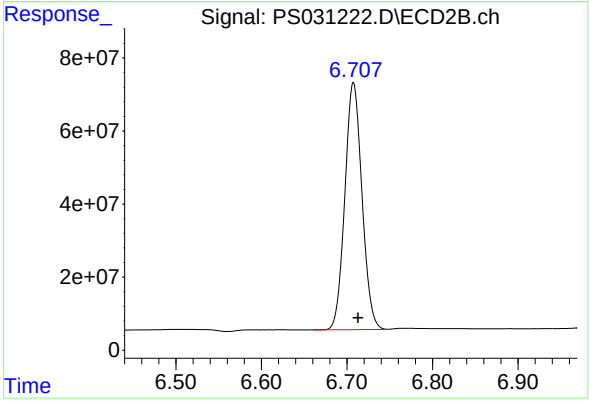
#1 Dalapon

R.T.: 2.699 min
Delta R.T.: -0.004 min
Response: 1720936143
Conc: 606.66 ng/ml



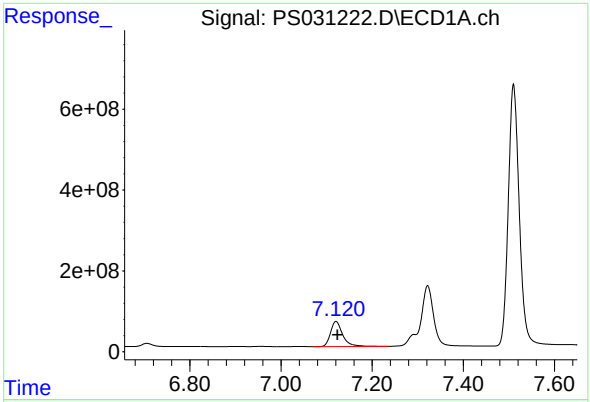
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 3521740913
Conc: 637.68 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.708 min
Delta R.T.: -0.005 min
Response: 941063617
Conc: 611.12 ng/ml



#3 4-Nitrophenol

R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 1151587322
Conc: 698.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
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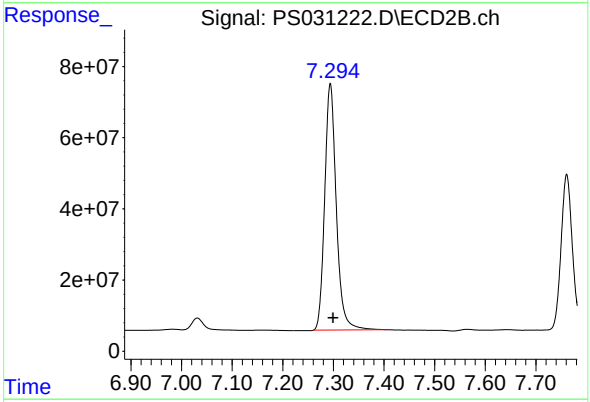
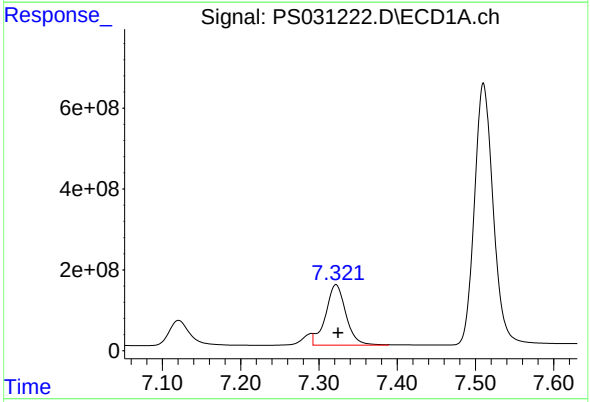
Supervised By :mohammad ahmed 07/26/2025



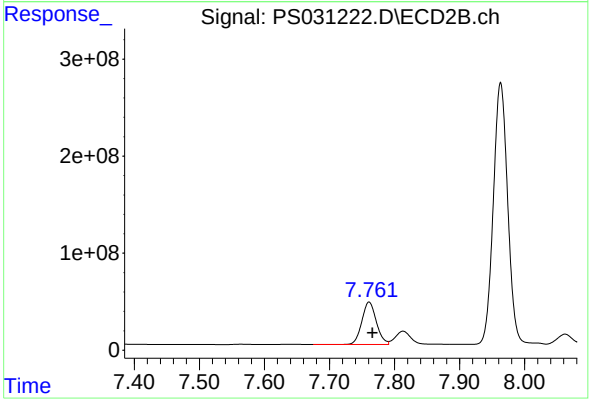
#3 4-Nitrophenol

R.T.: 7.294 min
Delta R.T.: -0.005 min
Response: 1103736553
Conc: 610.03 ng/ml



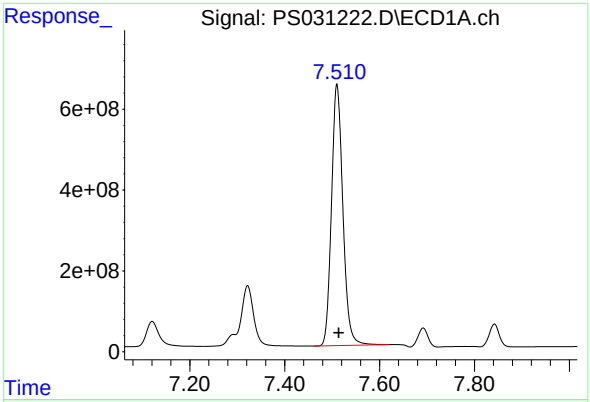
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 2703025783
Conc: 621.63 ng/ml m



#4 2,4-DCAA

R.T.: 7.761 min
Delta R.T.: -0.005 min
Response: 676234128
Conc: 666.26 ng/ml



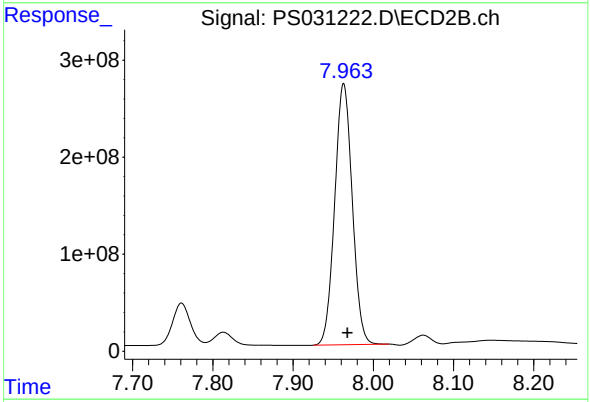
#5 DICAMBA

R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 10768380319
Conc: 652.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

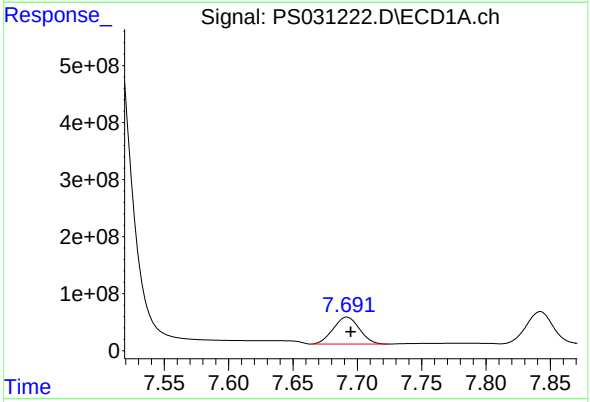
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



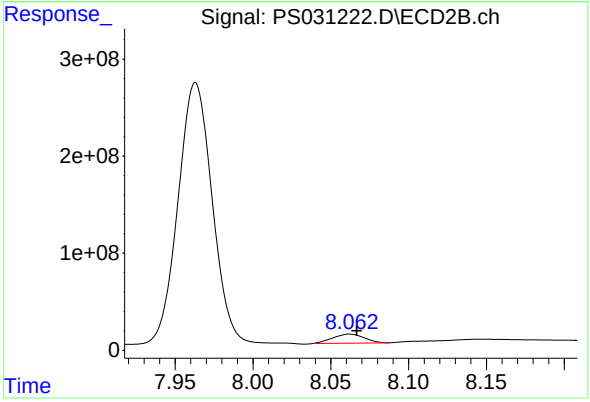
#5 DICAMBA

R.T.: 7.963 min
Delta R.T.: -0.005 min
Response: 4096155144
Conc: 634.73 ng/ml



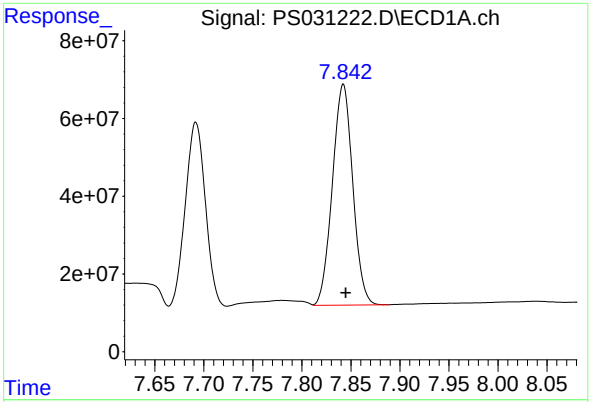
#6 MCPP

R.T.: 7.692 min
Delta R.T.: -0.003 min
Response: 667791702
Conc: 66.71 ug/ml



#6 MCPP

R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 130347363
Conc: 62.73 ug/ml



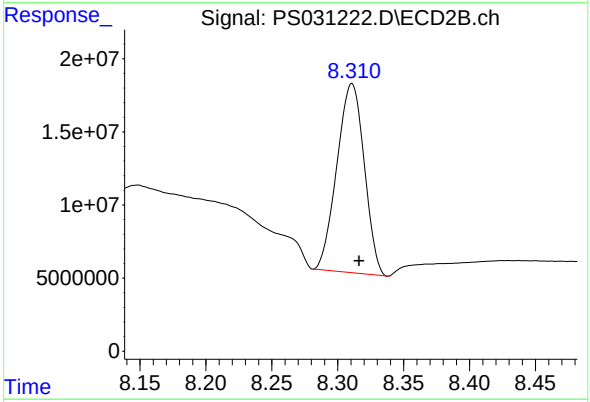
#7 MCPA

R.T.: 7.842 min
Delta R.T.: -0.002 min
Response: 821178986
Conc: 65.62 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

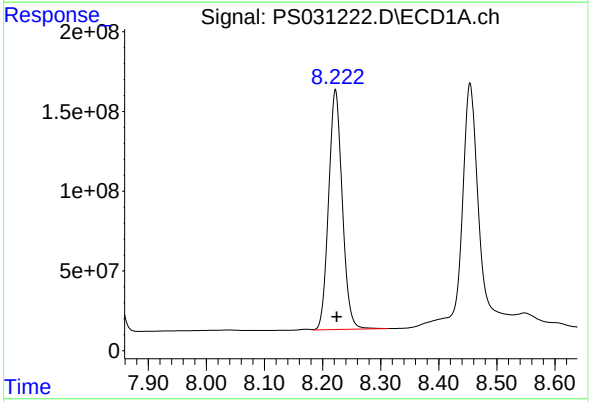
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



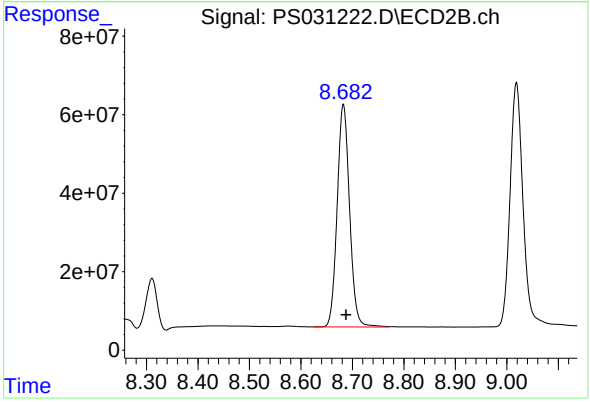
#7 MCPA

R.T.: 8.311 min
Delta R.T.: -0.006 min
Response: 186727683
Conc: 59.18 ug/ml



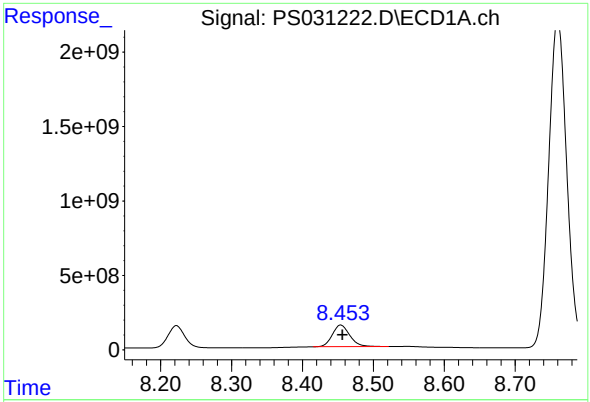
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.002 min
Response: 2454945616
Conc: 642.33 ng/ml



#8 DICHLORPROP

R.T.: 8.682 min
Delta R.T.: -0.005 min
Response: 948562256
Conc: 626.17 ng/ml



#9 2,4-D

R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 2474994641
Conc: 662.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
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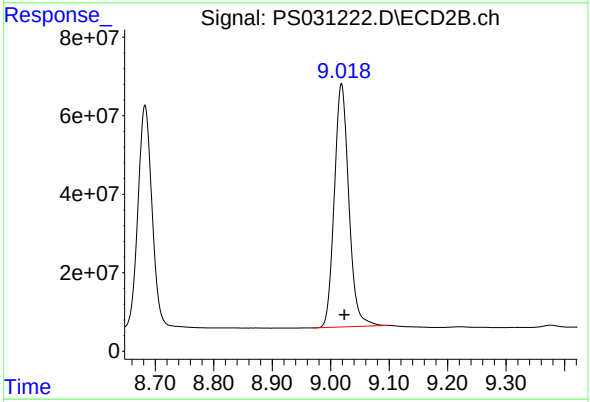
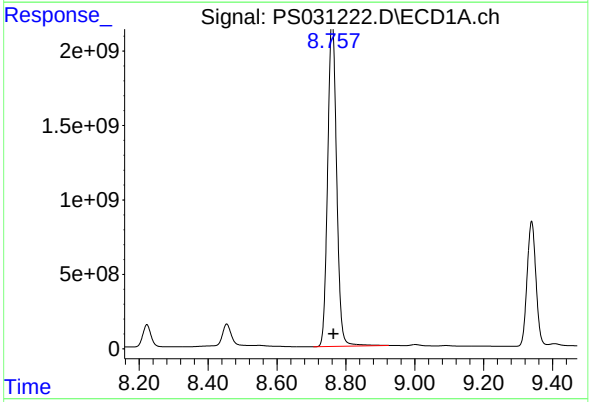
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



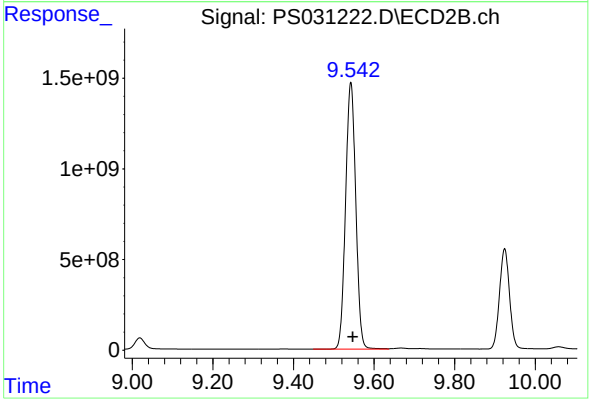
#9 2,4-D

R.T.: 9.019 min
Delta R.T.: -0.005 min
Response: 1067632755
Conc: 628.64 ng/ml



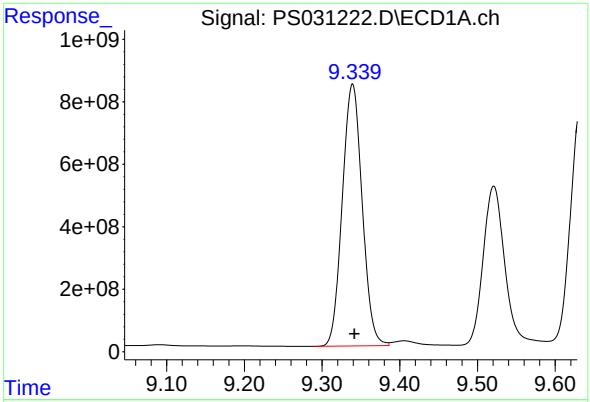
#10 Pentachlorophenol

R.T.: 8.760 min
Delta R.T.: -0.004 min
Response: 39321617114
Conc: 719.89 ng/ml



#10 Pentachlorophenol

R.T.: 9.542 min
Delta R.T.: -0.005 min
Response: 25843869223
Conc: 661.29 ng/ml



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

R.T.: 9.339 min
Delta R.T.: -0.003 min
Response: 14897723114
Conc: 678.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
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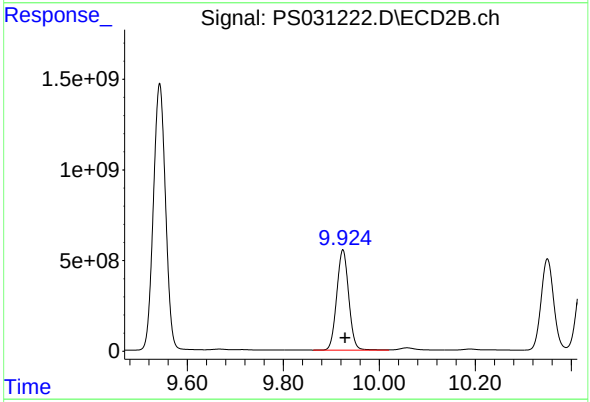
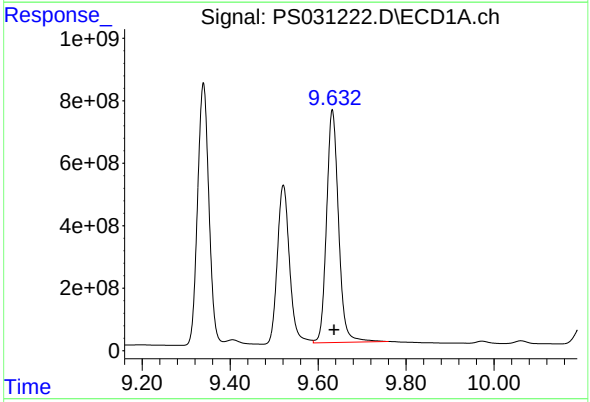
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



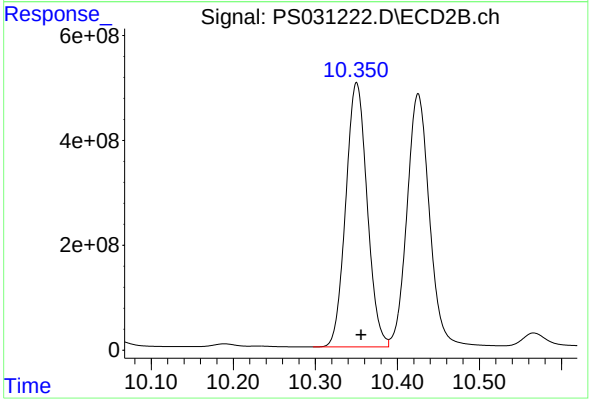
#11 2,4,5-TP (SILVEX)

R.T.: 9.924 min
Delta R.T.: -0.005 min
Response: 9580413512
Conc: 643.23 ng/ml



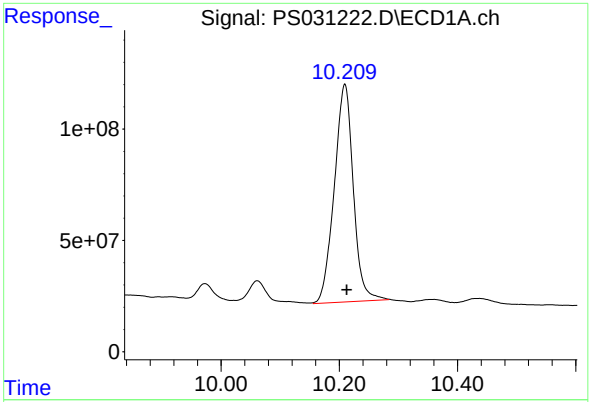
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 14094719433
Conc: 721.78 ng/ml



#12 2,4,5-T

R.T.: 10.350 min
Delta R.T.: -0.005 min
Response: 9121585184
Conc: 641.49 ng/ml



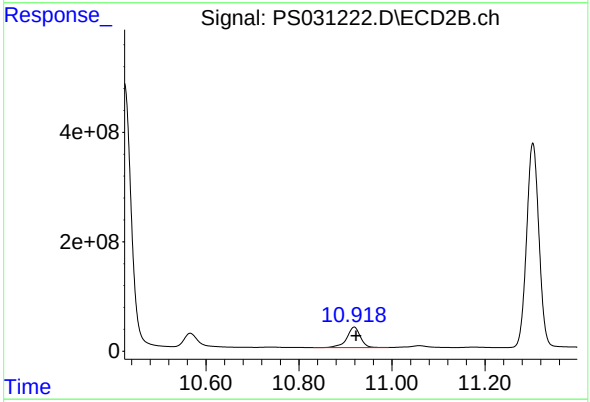
#13 2,4-DB

R.T.: 10.209 min
Delta R.T.: -0.004 min
Response: 2184275936
Conc: 730.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

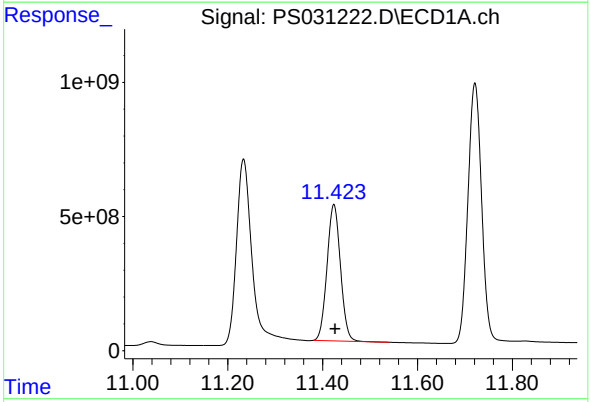
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



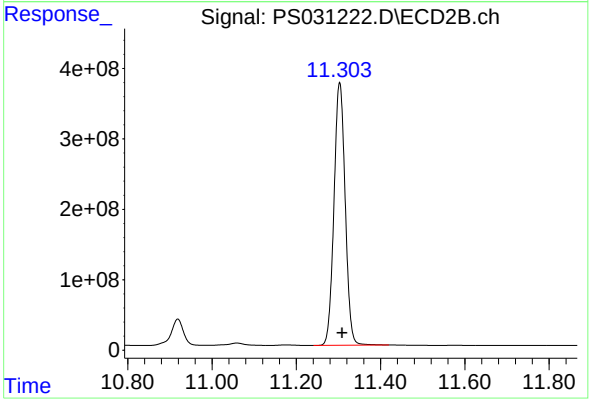
#13 2,4-DB

R.T.: 10.919 min
Delta R.T.: -0.004 min
Response: 755258036
Conc: 645.24 ng/ml



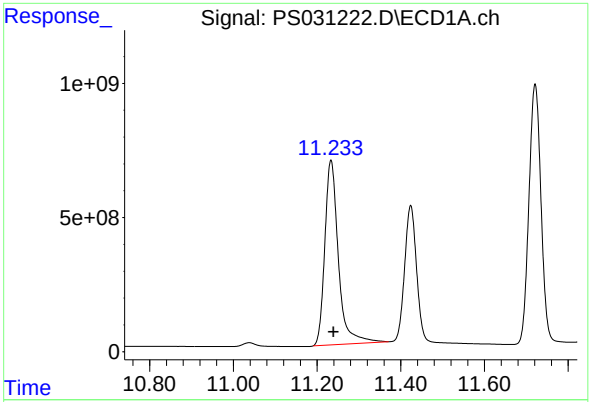
#14 DINOSEB

R.T.: 11.424 min
Delta R.T.: -0.003 min
Response: 9970643058
Conc: 640.40 ng/ml



#14 DINOSEB

R.T.: 11.303 min
Delta R.T.: -0.005 min
Response: 6886615500
Conc: 609.32 ng/ml



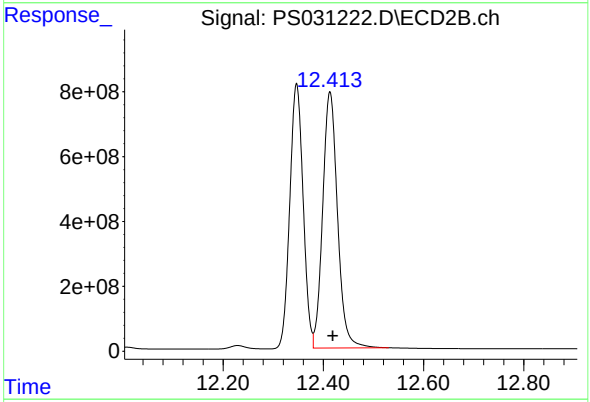
#15 Picloram

R.T.: 11.233 min
Delta R.T.: -0.005 min
Response: 15503151258
Conc: 774.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

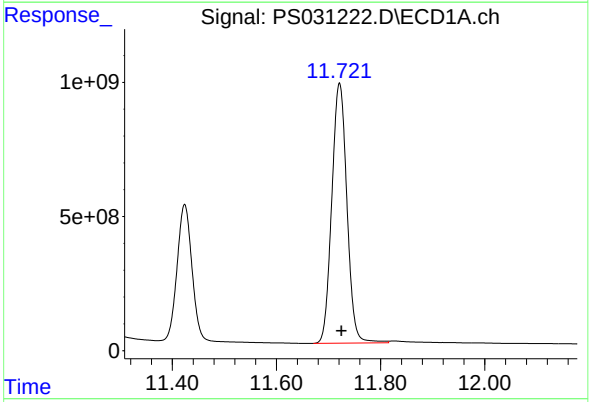
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



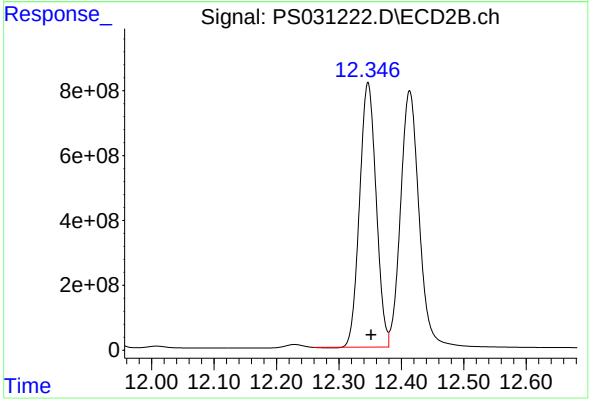
#15 Picloram

R.T.: 12.413 min
Delta R.T.: -0.005 min
Response: 16230814719
Conc: 651.97 ng/ml



#16 DCPA

R.T.: 11.721 min
Delta R.T.: -0.003 min
Response: 19569524274
Conc: 682.02 ng/ml



#16 DCPA

R.T.: 12.347 min
Delta R.T.: -0.005 min
Response: 15008763067
Conc: 651.53 ng/ml

Raw Data: **PS031233.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 18:39 **Initial Calibration Time(s):** 15:02 16:39

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.51	7.51	7.41	7.61	0.00
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
Dalapon	2.69	2.69	2.59	2.79	0.00
DICHLORPROP	8.22	8.22	8.12	8.32	0.00
2,4-D	8.45	8.46	8.36	8.56	0.01
2,4,5-TP(Silvex)	9.34	9.34	9.24	9.44	0.00
2,4,5-T	9.63	9.64	9.54	9.74	0.01
2,4-DB	10.21	10.21	10.11	10.31	0.00
Dinoseb	11.42	11.43	11.33	11.53	0.01

Raw Data: **PS031233.D**

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 18:39 **Initial Calibration Time(s):** 15:02 16:39

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
Dalapon	2.70	2.70	2.60	2.80	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.92	10.82	11.02	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

Raw Data: **PS031233.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031233.D **Time Analyzed:** 18:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.629	9.536	9.736	717.230	712.500	0.7
2,4,5-TP(Silvex)	9.335	9.242	9.442	689.480	712.500	-3.2
2,4-D	8.451	8.356	8.556	729.310	705.000	3.4
2,4-DB	10.207	10.113	10.313	688.910	712.500	-3.3
2,4-DCAA	7.319	7.225	7.425	666.340	750.000	-11.2
Dalapon	2.687	2.590	2.790	581.360	682.500	-14.8
DICAMBA	7.509	7.414	7.614	601.250	705.000	-14.7
DICHLORPROP	8.219	8.124	8.324	687.790	705.000	-2.4
Dinoseb	11.419	11.327	11.527	642.410	705.000	-8.9

Raw Data: **PS031233.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/24/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031233.D **Time Analyzed:** 18:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.352	10.256	10.456	649.390	712.500	-8.9
2,4,5-TP(Silvex)	9.926	9.829	10.029	671.800	712.500	-5.7
2,4-D	9.021	8.924	9.124	696.610	705.000	-1.2
2,4-DB	10.920	10.823	11.023	652.750	712.500	-8.4
2,4-DCAA	7.764	7.666	7.866	693.770	750.000	-7.5
Dalapon	2.704	2.603	2.803	594.300	682.500	-12.9
DICAMBA	7.966	7.868	8.068	650.840	705.000	-7.7
DICHLORPROP	8.685	8.588	8.788	670.240	705.000	-4.9
Dinoseb	11.305	11.208	11.408	616.950	705.000	-12.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:39
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:14:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.319	7.764	2897.4E6	704.2E6	666.345	693.771
		Target Compounds						
1)	T	Dalapon	2.687	2.704	3646.8E6	1685.9E6	581.355	594.302
2)	T	3,5-DICHL...	6.482	6.711	3487.2E6	965.5E6	631.428	626.964
3)	T	4-Nitroph...	7.119	7.298	1161.6E6	1119.3E6	704.548	618.645
5)	T	DICAMBA	7.509	7.966	9918.8E6	4200.1E6	601.248	650.842
6)	T	MCPP	7.690	8.065	639.6E6	128.0E6	63.900	61.597
7)	T	MCPA	7.840	8.313	831.6E6	199.2E6	66.456	63.134
8)	T	DICHLORPROP	8.219	8.685	2628.7E6	1015.3E6	687.792	670.244
9)	T	2,4-D	8.451	9.021	2723.9E6	1183.1E6	729.306	696.612
10)	T	Pentachlo...	8.755	9.545	41625.2E6	26526.7E6	762.065m	678.760
11)	T	2,4,5-TP ...	9.335	9.926	15136.6E6	10005.9E6	689.481	671.801
12)	T	2,4,5-T	9.629	10.352	14005.9E6	9234.0E6	717.231	649.390
13)	T	2,4-DB	10.207	10.920	2059.8E6	764.1E6	688.914	652.753
14)	T	DINOSEB	11.419	11.305	10002.0E6	6972.8E6	642.408m	616.949
15)	T	Picloram	11.229	12.415	16290.4E6	17205.5E6	814.254m	691.121
16)	T	DCPA	11.716	12.348	19417.2E6	15457.3E6	676.712	671.006m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:39
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 35 Sample Multiplier: 1

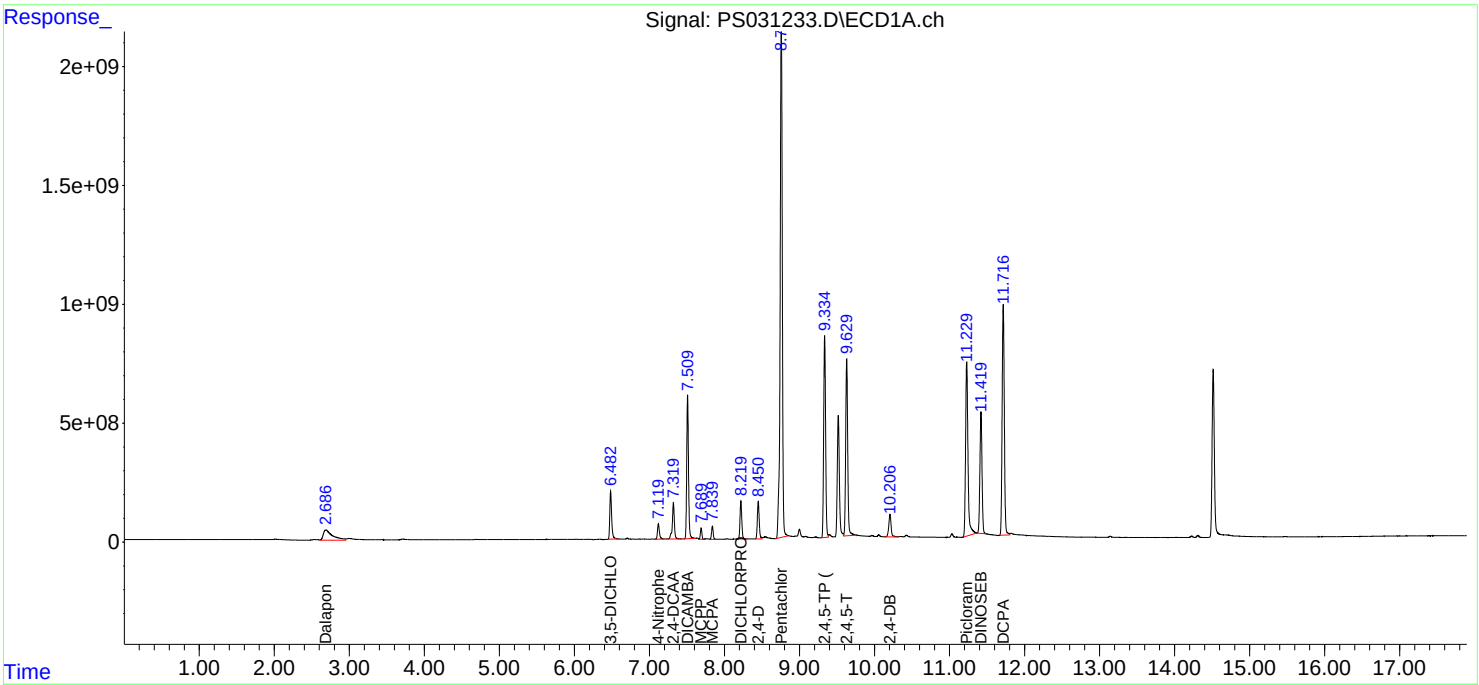
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

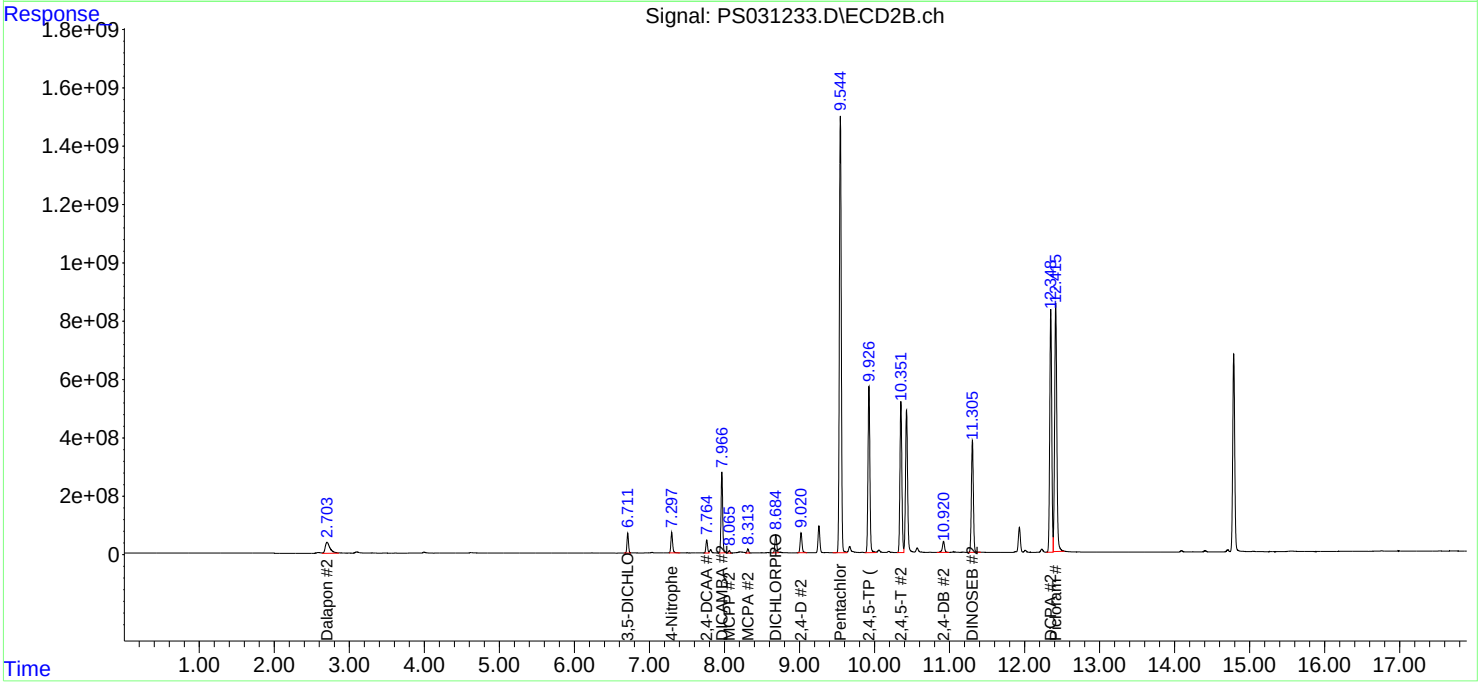
Manual Integrations APPROVED

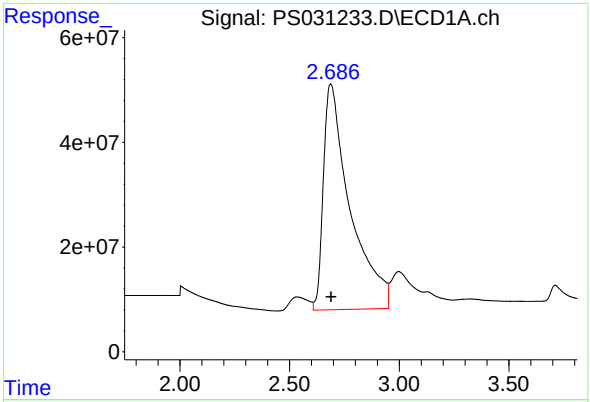
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:14:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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







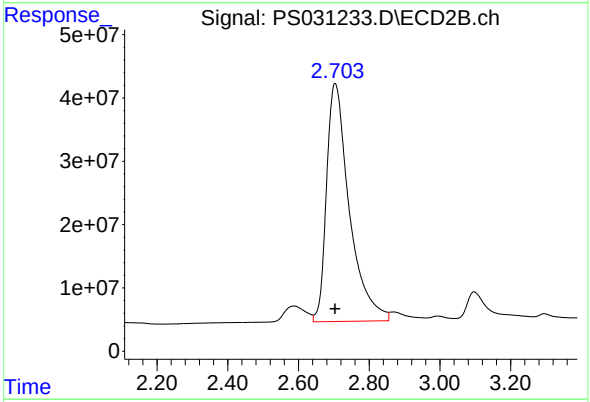
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 3646786474
Conc: 581.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

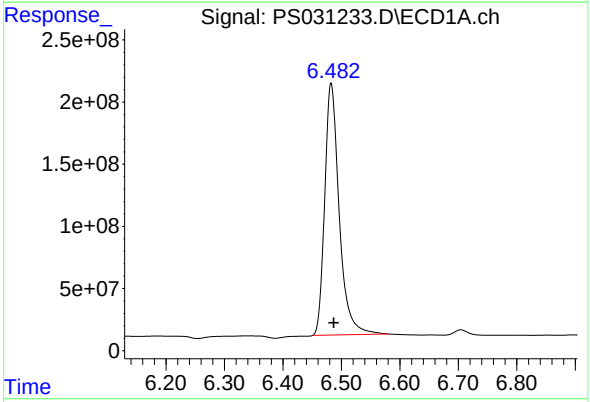
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



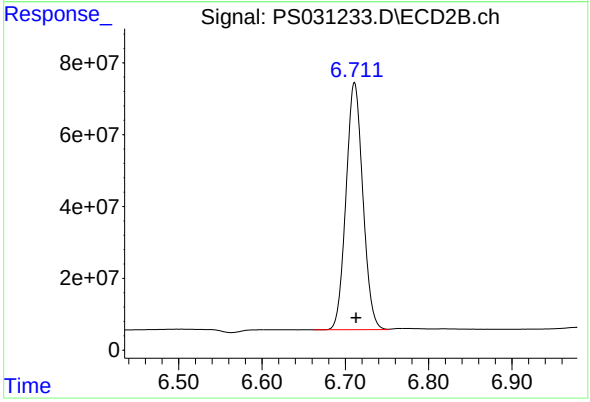
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1685879056
Conc: 594.30 ng/ml



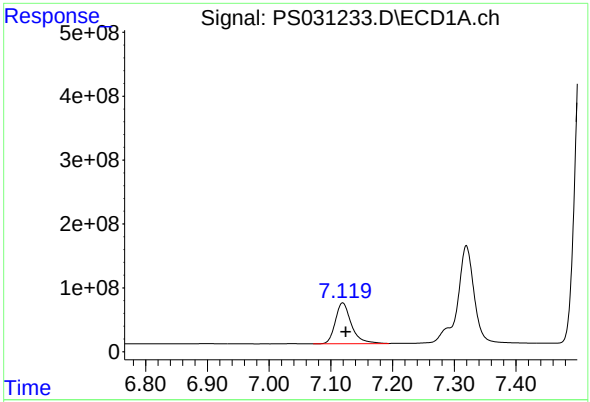
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.482 min
Delta R.T.: -0.004 min
Response: 3487217484
Conc: 631.43 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 965457798
Conc: 626.96 ng/ml



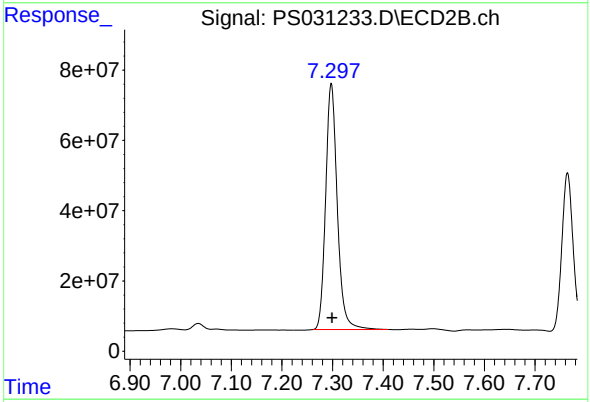
#3 4-Nitrophenol

R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 1161648350
Conc: 704.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

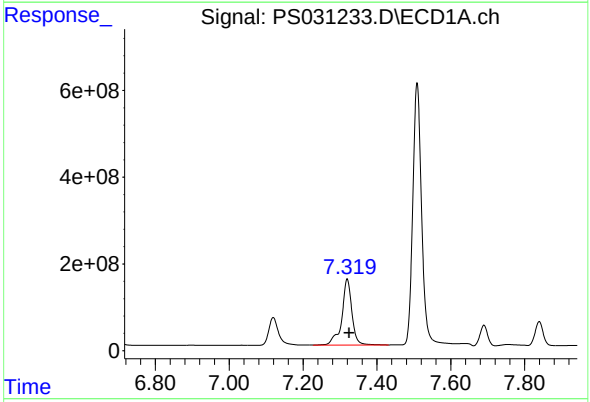
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



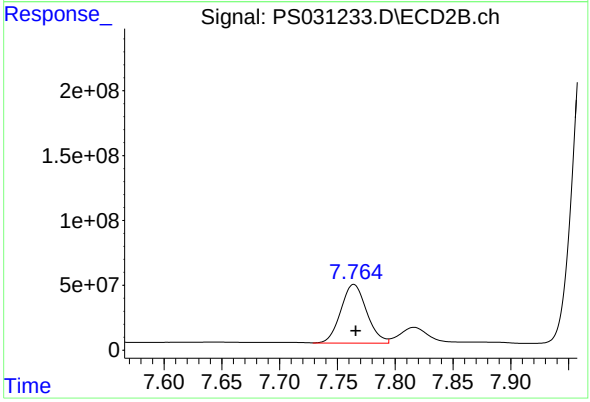
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.002 min
Response: 1119324899
Conc: 618.64 ng/ml



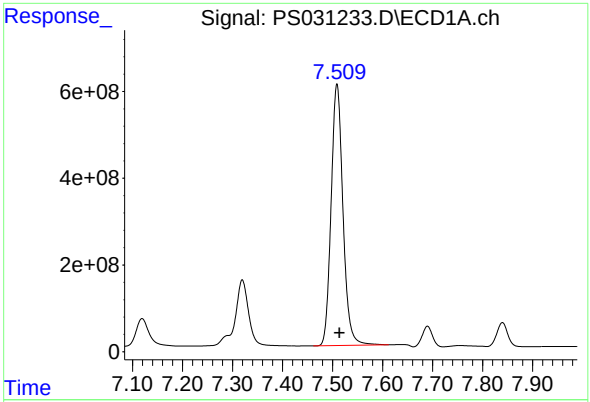
#4 2,4-DCAA

R.T.: 7.319 min
Delta R.T.: -0.005 min
Response: 2897435123
Conc: 666.34 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 704155508
Conc: 693.77 ng/ml



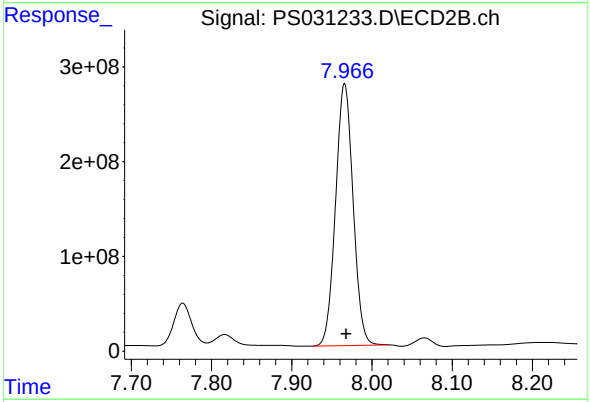
#5 DICAMBA

R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 9918771681
Conc: 601.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

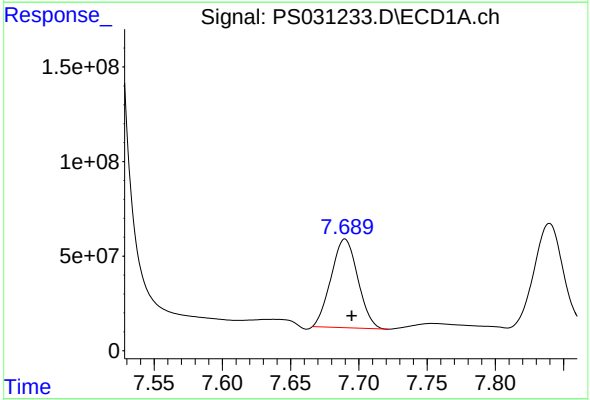
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



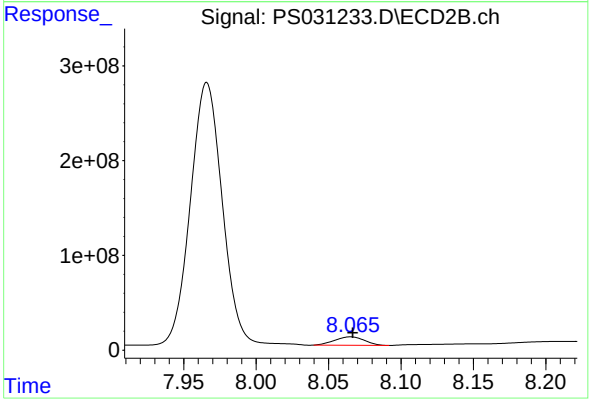
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4200124781
Conc: 650.84 ng/ml



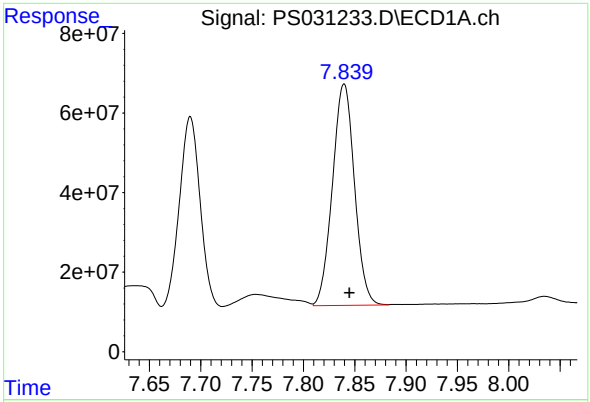
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.005 min
Response: 639646471
Conc: 63.90 ug/ml



#6 MCPP

R.T.: 8.065 min
Delta R.T.: -0.001 min
Response: 127986691
Conc: 61.60 ug/ml



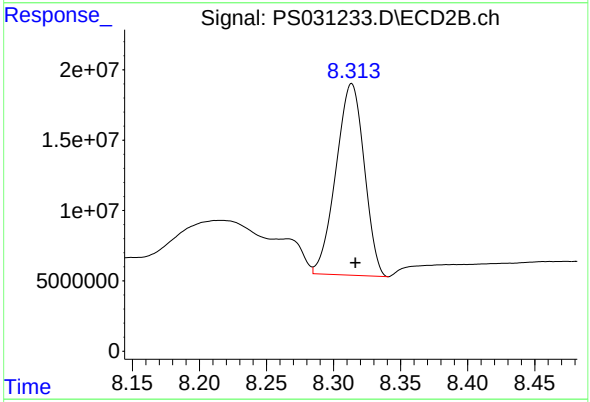
#7 MCPA

R.T.: 7.840 min
Delta R.T.: -0.005 min
Response: 831645162
Conc: 66.46 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

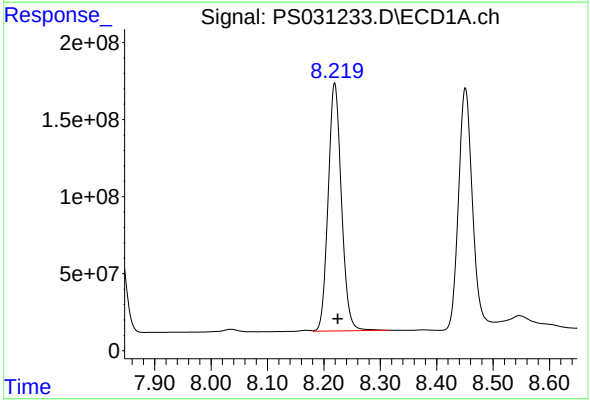
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



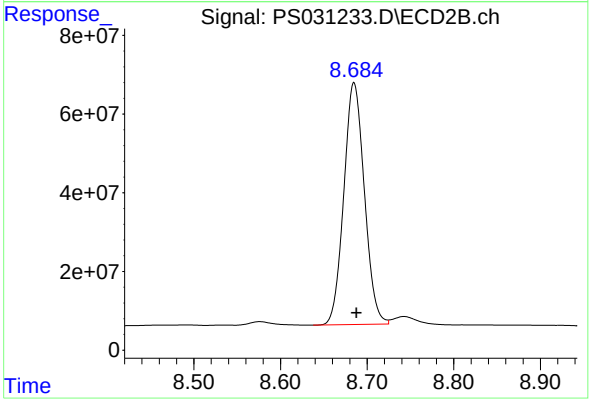
#7 MCPA

R.T.: 8.313 min
Delta R.T.: -0.003 min
Response: 199200038
Conc: 63.13 ug/ml



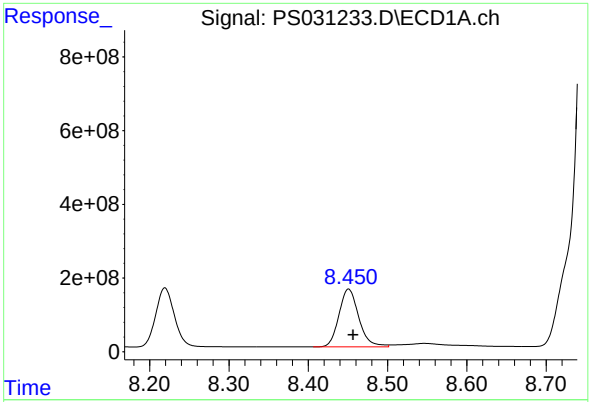
#8 DICHLORPROP

R.T.: 8.219 min
Delta R.T.: -0.005 min
Response: 2628708493
Conc: 687.79 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 1015326356
Conc: 670.24 ng/ml



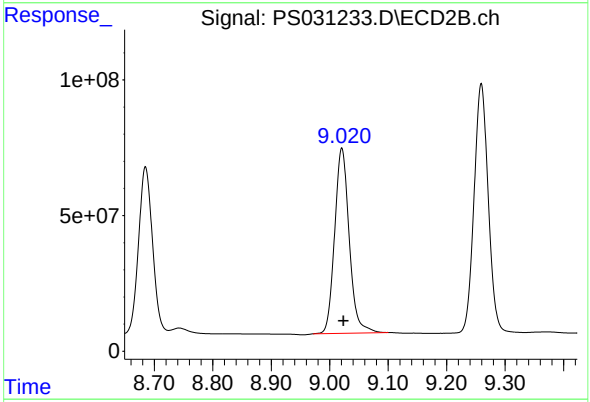
#9 2,4-D

R.T.: 8.451 min
Delta R.T.: -0.006 min
Response: 2723897944
Conc: 729.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

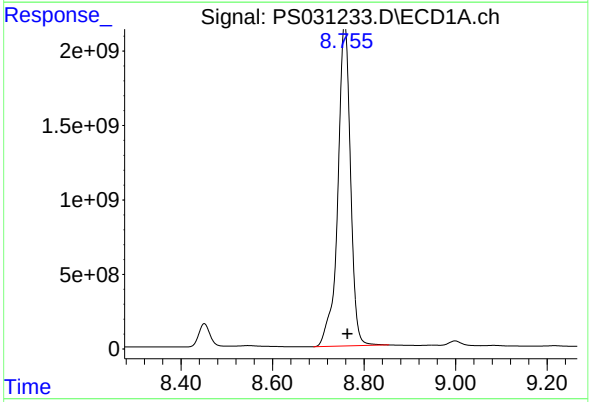
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



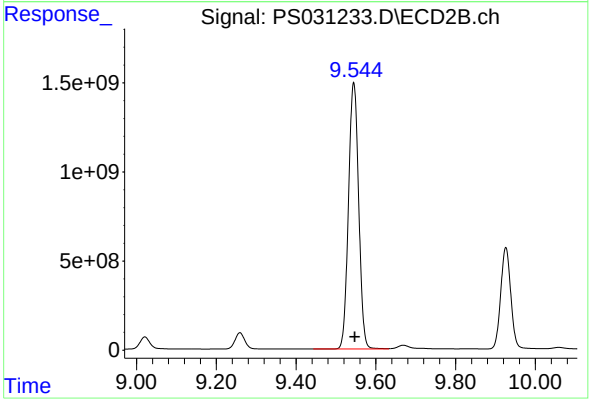
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 1183069685
Conc: 696.61 ng/ml



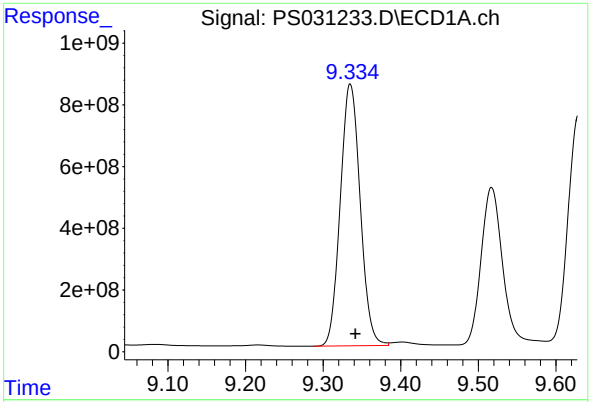
#10 Pentachlorophenol

R.T.: 8.755 min
Delta R.T.: -0.008 min
Response: 41625198173
Conc: 762.07 ng/ml m



#10 Pentachlorophenol

R.T.: 9.545 min
Delta R.T.: -0.003 min
Response: 26526744051
Conc: 678.76 ng/ml



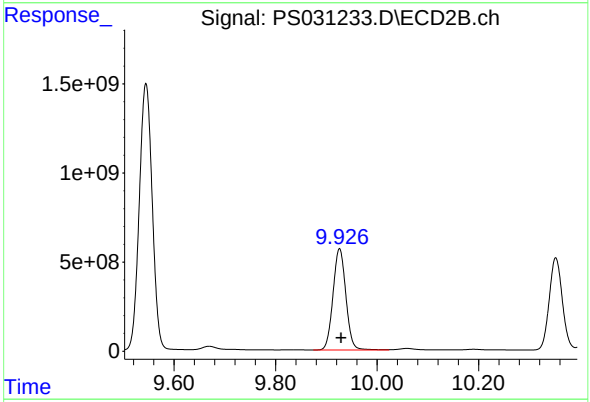
#11 2,4,5-TP (SILVEX)

R.T.: 9.335 min
Delta R.T.: -0.007 min
Response: 15136567168
Conc: 689.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

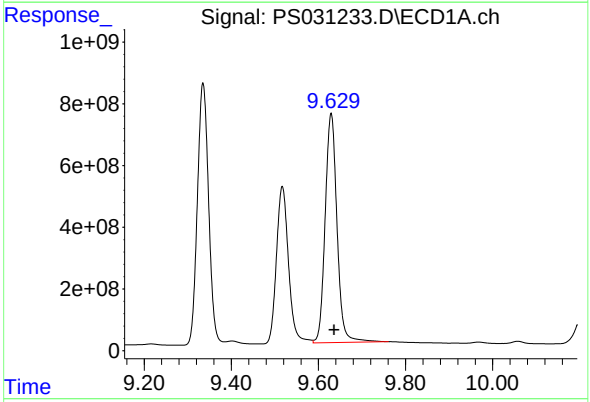
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



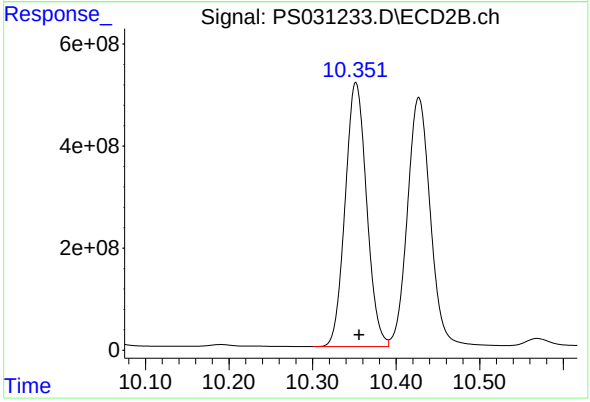
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 10005926582
Conc: 671.80 ng/ml



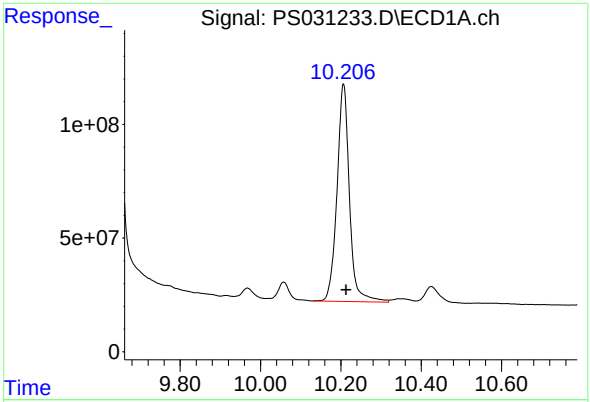
#12 2,4,5-T

R.T.: 9.629 min
Delta R.T.: -0.007 min
Response: 14005933448
Conc: 717.23 ng/ml



#12 2,4,5-T

R.T.: 10.352 min
Delta R.T.: -0.004 min
Response: 9233980783
Conc: 649.39 ng/ml



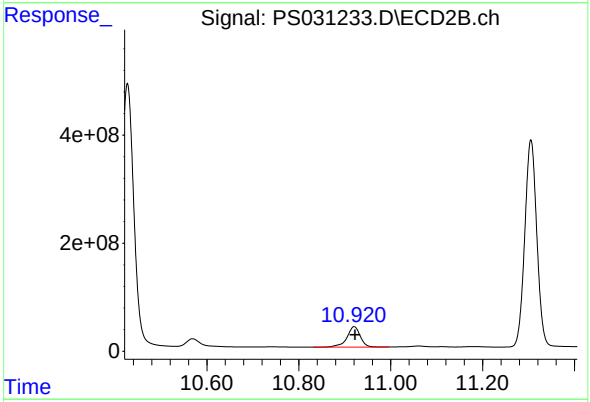
#13 2,4-DB

R.T.: 10.207 min
Delta R.T.: -0.006 min
Response: 2059772066
Conc: 688.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

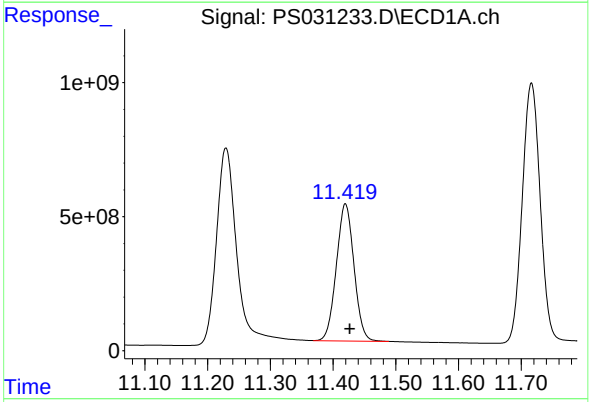
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



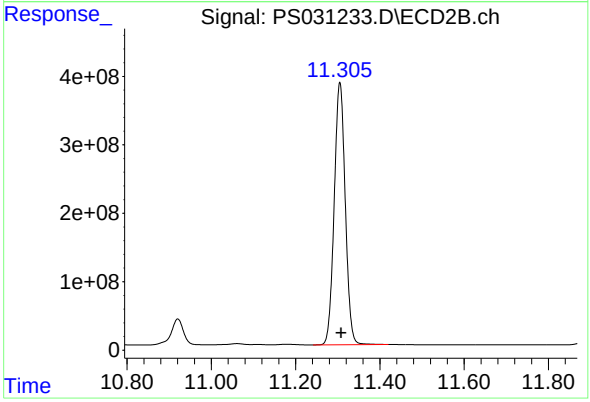
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.002 min
Response: 764054036
Conc: 652.75 ng/ml



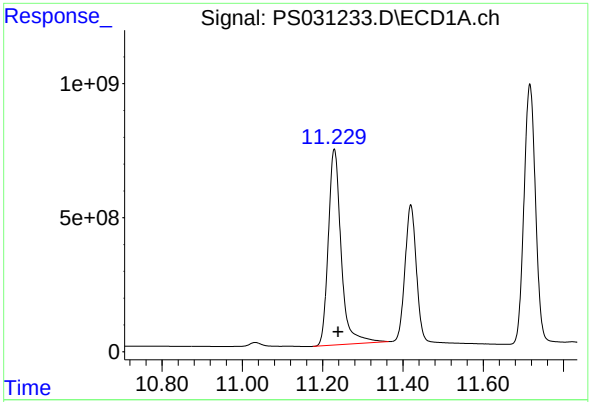
#14 DINOSEB

R.T.: 11.419 min
Delta R.T.: -0.008 min
Response: 10001961874
Conc: 642.41 ng/ml m



#14 DINOSEB

R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 6972808210
Conc: 616.95 ng/ml



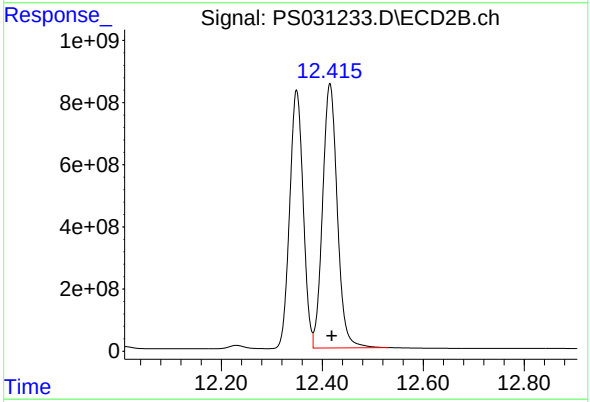
#15 Picloram

R.T.: 11.229 min
Delta R.T.: -0.010 min
Response: 16290439586
Conc: 814.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

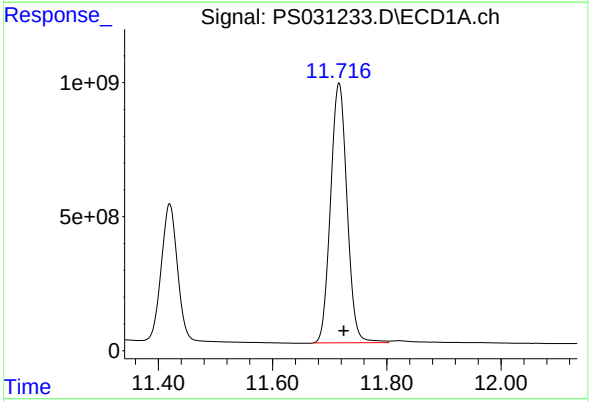
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



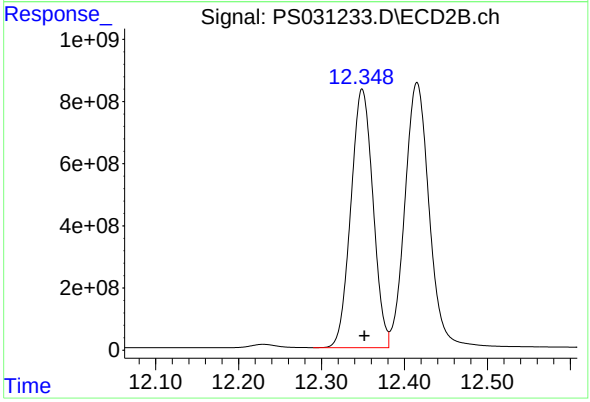
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 17205474787
Conc: 691.12 ng/ml



#16 DCPA

R.T.: 11.716 min
Delta R.T.: -0.008 min
Response: 19417209517
Conc: 676.71 ng/ml



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.003 min
Response: 15457311166
Conc: 671.01 ng/ml m

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2638

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

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/21/2025 07/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	07/21/2025	14:38	PS031156.D	7.33	0.00
HSTDICC200	HSTDICC200	07/21/2025	15:02	PS031157.D	7.33	0.00
HSTDICC500	HSTDICC500	07/21/2025	15:26	PS031158.D	7.33	0.00
HSTDICC750	HSTDICC750	07/21/2025	15:51	PS031159.D	7.33	0.00
HSTDICC1000	HSTDICC1000	07/21/2025	16:15	PS031160.D	7.33	0.00
HSTDICC1500	HSTDICC1500	07/21/2025	16:39	PS031161.D	7.33	0.00
I.BLK	I.BLK	07/23/2025	09:26	PS031179.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	09:50	PS031180.D	7.32	0.00
PB168945BL	PB168945BL	07/23/2025	10:33	PS031181.D	7.32	0.00
PB168945BS	PB168945BS	07/23/2025	10:57	PS031182.D	7.32	0.00
OU4-TS-31-071725	Q2638-01	07/23/2025	11:21	PS031183.D	7.32	0.00
OU4-TS-32-071725	Q2638-03	07/23/2025	11:45	PS031184.D	7.32	0.00
OU4-TS-35-071725	Q2638-09	07/23/2025	12:58	PS031187.D	7.32	0.00
I.BLK	I.BLK	07/23/2025	14:38	PS031191.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	15:03	PS031192.D	7.32	0.00
I.BLK	I.BLK	07/24/2025	10:35	PS031221.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	12:03	PS031222.D	7.32	0.00
OU4-TS-36-071725	Q2638-11	07/24/2025	13:44	PS031223.D	7.32	0.00
OU4-TS-36-071725MS	Q2638-11MS	07/24/2025	14:08	PS031224.D	7.32	0.00
OU4-TS-36-071725MSD	Q2638-11MSD	07/24/2025	14:38	PS031225.D	7.32	0.00
OU4-TS-37-071725	Q2638-13	07/24/2025	15:50	PS031228.D	7.32	0.00
OU4-TS-33-071725	Q2638-05	07/24/2025	16:14	PS031229.D	7.32	0.00
OU4-TS-34-071725	Q2638-07	07/24/2025	16:39	PS031230.D	7.32	0.00
I.BLK	I.BLK	07/24/2025	17:27	PS031232.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	18:39	PS031233.D	7.32	0.00

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2638

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

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/21/2025 07/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	07/21/2025	14:38	PS031156.D	7.77	0.00
HSTDICC200	HSTDICC200	07/21/2025	15:02	PS031157.D	7.77	0.00
HSTDICC500	HSTDICC500	07/21/2025	15:26	PS031158.D	7.77	0.00
HSTDICC750	HSTDICC750	07/21/2025	15:51	PS031159.D	7.77	0.00
HSTDICC1000	HSTDICC1000	07/21/2025	16:15	PS031160.D	7.77	0.00
HSTDICC1500	HSTDICC1500	07/21/2025	16:39	PS031161.D	7.77	0.00
I.BLK	I.BLK	07/23/2025	09:26	PS031179.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	09:50	PS031180.D	7.77	0.00
PB168945BL	PB168945BL	07/23/2025	10:33	PS031181.D	7.76	0.00
PB168945BS	PB168945BS	07/23/2025	10:57	PS031182.D	7.77	0.00
OU4-TS-31-071725	Q2638-01	07/23/2025	11:21	PS031183.D	7.76	0.00
OU4-TS-32-071725	Q2638-03	07/23/2025	11:45	PS031184.D	7.76	0.00
OU4-TS-35-071725	Q2638-09	07/23/2025	12:58	PS031187.D	7.76	0.00
I.BLK	I.BLK	07/23/2025	14:38	PS031191.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	15:03	PS031192.D	7.76	0.00
I.BLK	I.BLK	07/24/2025	10:35	PS031221.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	12:03	PS031222.D	7.76	0.00
OU4-TS-36-071725	Q2638-11	07/24/2025	13:44	PS031223.D	7.76	0.00
OU4-TS-36-071725MS	Q2638-11MS	07/24/2025	14:08	PS031224.D	7.76	0.00
OU4-TS-36-071725MSD	Q2638-11MSD	07/24/2025	14:38	PS031225.D	7.76	0.00
OU4-TS-37-071725	Q2638-13	07/24/2025	15:50	PS031228.D	7.76	0.00
OU4-TS-33-071725	Q2638-05	07/24/2025	16:14	PS031229.D	7.76	0.00
OU4-TS-34-071725	Q2638-07	07/24/2025	16:39	PS031230.D	7.76	0.00
I.BLK	I.BLK	07/24/2025	17:27	PS031232.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	18:39	PS031233.D	7.76	0.00

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-36-071725MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-11MS **Date(s) Analyzed:** 07/24/2025 07/24/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Dalapon	1	2.68	2.63	2.73	60.8	111.5
	2	2.70	2.65	2.75	214	
DICHLORPROP	1	8.22	8.17	8.27	126	3.2
	2	8.69	8.64	8.74	122	
2,4-D	1	8.45	8.40	8.50	152	4
	2	9.02	8.97	9.07	146	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	128	7.3
	2	9.93	9.88	9.98	119	
2,4,5-T	1	9.63	9.58	9.68	134	11.9
	2	10.35	10.30	10.40	119	
2,4-DB	1	10.21	10.16	10.26	95.2	15.3
	2	10.92	10.87	10.97	111	
DICAMBA	1	7.51	7.46	7.56	115	0.9
	2	7.97	7.92	8.02	114	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-36-071725MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-11MSD **Date(s) Analyzed:** 07/24/2025 07/24/2025

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-D	1	8.45	8.40	8.50	152	19.5
	2	9.02	8.97	9.07	125	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	123	6.7
	2	9.93	9.88	9.98	115	
2,4,5-T	1	9.63	9.58	9.68	127	11.7
	2	10.35	10.30	10.40	113	
Dalapon	1	2.68	2.63	2.73	60.1	103.9
	2	2.70	2.65	2.75	190	
DICHLORPROP	1	8.22	8.17	8.27	119	1.7
	2	8.68	8.63	8.73	117	
2,4-DB	1	10.21	10.16	10.26	89.6	15.8
	2	10.92	10.87	10.97	105	
DICAMBA	1	7.51	7.46	7.56	108	1.9
	2	7.97	7.92	8.02	106	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168945BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: PB168945BS **Date(s) Analyzed:** 07/23/2025 07/23/2025

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	2.69	2.64	2.74	151	1.3
	2	2.70	2.65	2.75	149	
DICHLORPROP	1	8.22	8.17	8.27	164	2.5
	2	8.69	8.64	8.74	160	
2,4-D	1	8.45	8.40	8.50	205	25.3
	2	9.02	8.97	9.07	159	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	170	4.8
	2	9.93	9.88	9.98	162	
2,4,5-T	1	9.63	9.58	9.68	176	8.3
	2	10.35	10.30	10.40	162	
2,4-DB	1	10.21	10.16	10.26	175	6.5
	2	10.92	10.87	10.97	164	
Dinoseb	1	11.42	11.37	11.47	168	4.3
	2	11.31	11.26	11.36	161	
DICAMBA	1	7.51	7.46	7.56	165	3.7
	2	7.97	7.92	8.02	159	

QC SAMPLE DATA

Raw Data: **PS031181.D**

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:	PB168945BL	SDG No.:	Q2638
Lab Sample ID:	PB168945BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031181.D	1	07/22/25 09:05	07/23/25 10:33	PB168945

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	460		27 - 122		92%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:33
Operator : AR\AJ
Sample : PB168945BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168945BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:14:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.323	7.762	1702.6E6	466.4E6	391.566	459.531
	Target Compounds						

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

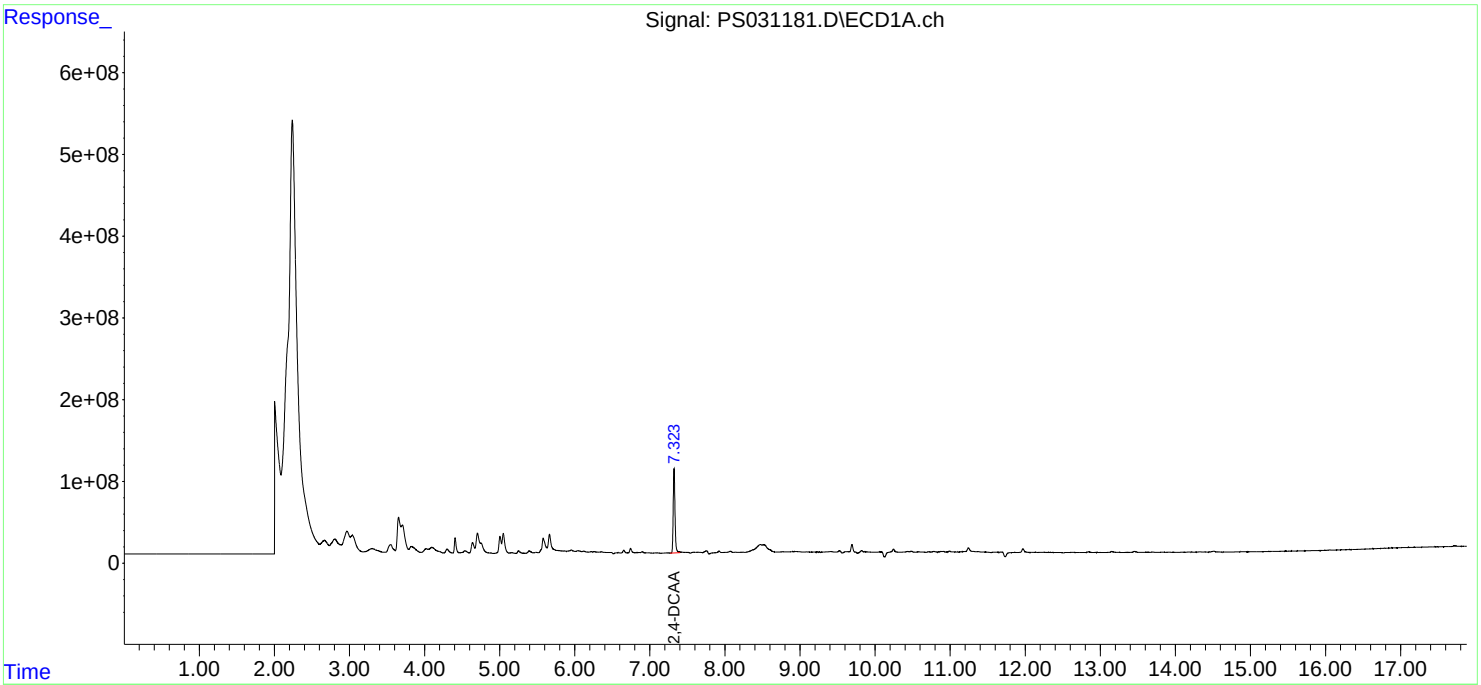
Sample Results: **PS031181.D**

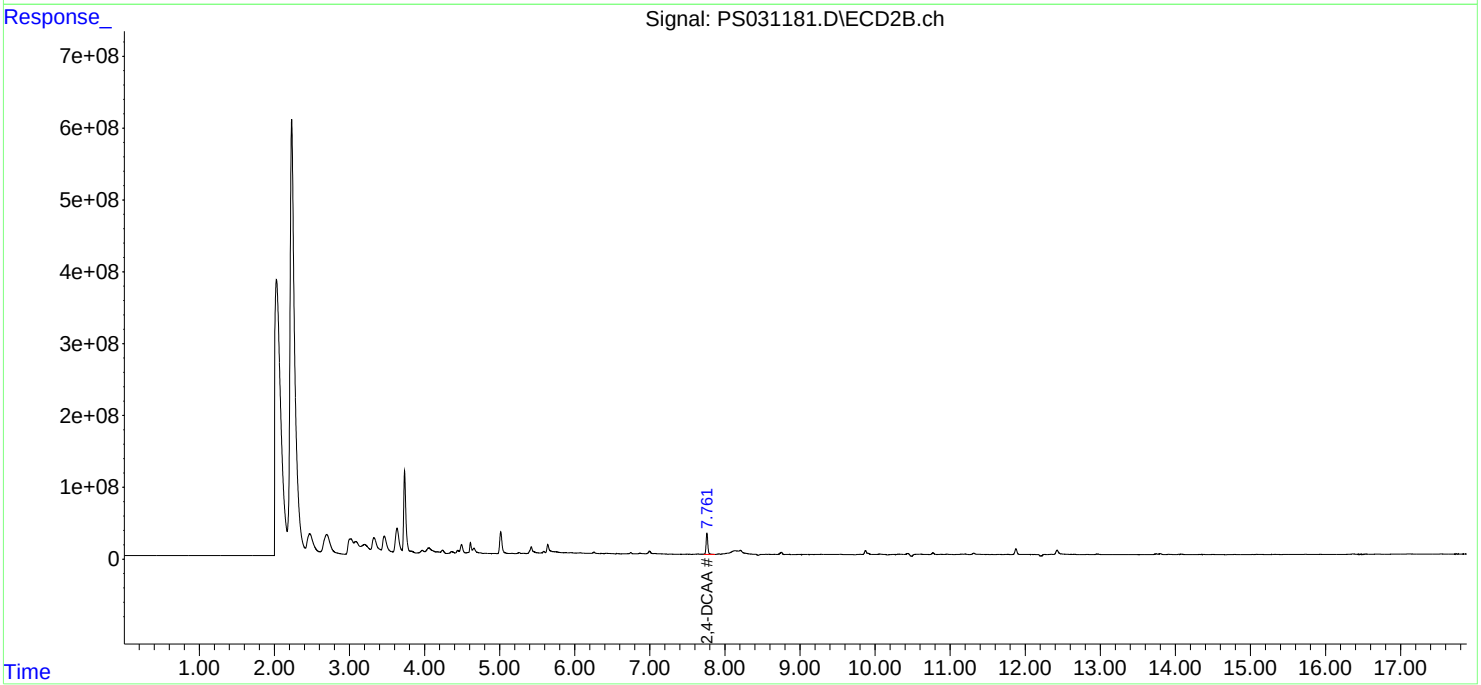
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:33
Operator : AR\AJ
Sample : PB168945BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

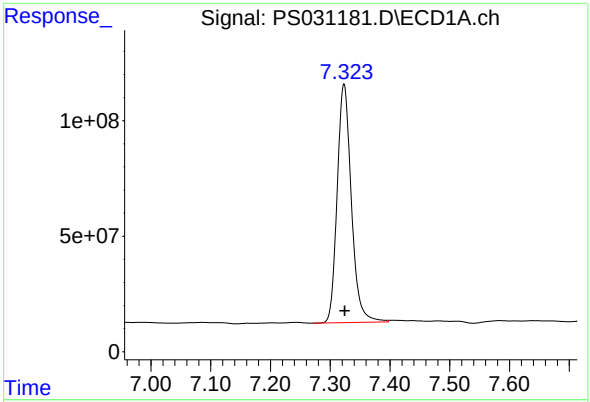
Instrument :
ECD_S
ClientSampleId :
PB168945BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:14:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



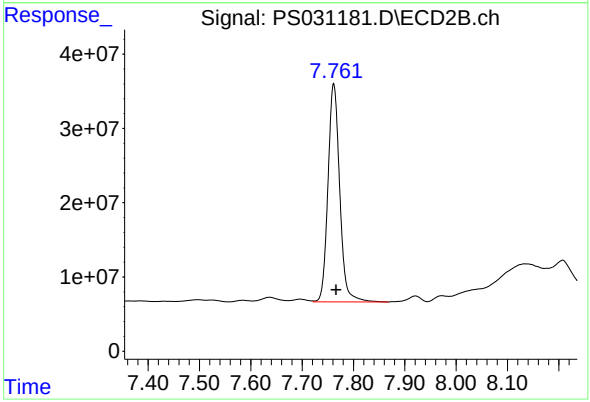




#4 2,4-DCAA

R.T.: 7.323 min
Delta R.T.: -0.001 min
Response: 1702626673
Conc: 391.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BL



#4 2,4-DCAA

R.T.: 7.762 min
Delta R.T.: -0.004 min
Response: 466409245
Conc: 459.53 ng/ml

Raw Data: **PS031156.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PS031156.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PS031156.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031156.D	1		07/21/25	ps072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	504		32 - 138		101%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031156.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:21:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.325	7.766	1726.8E6	511.1E6	397.121	503.568 #
	Target Compounds						

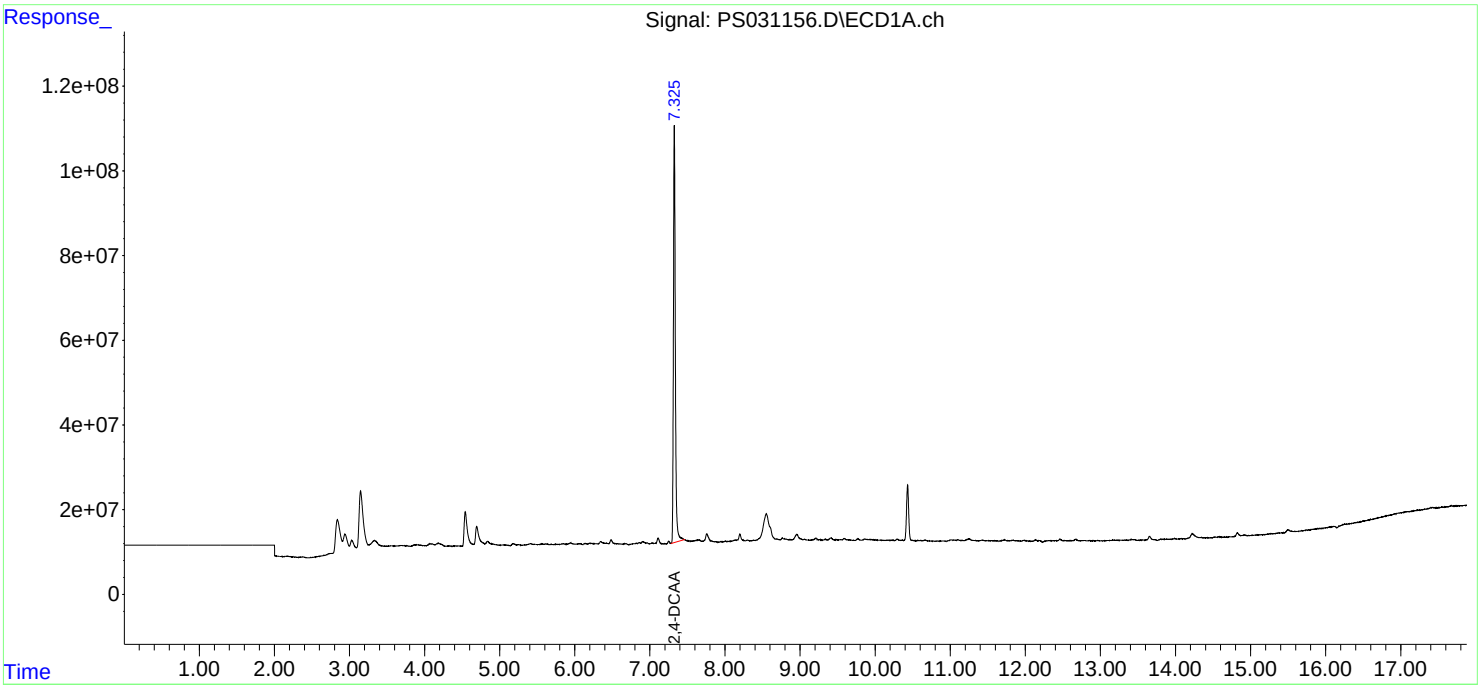
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

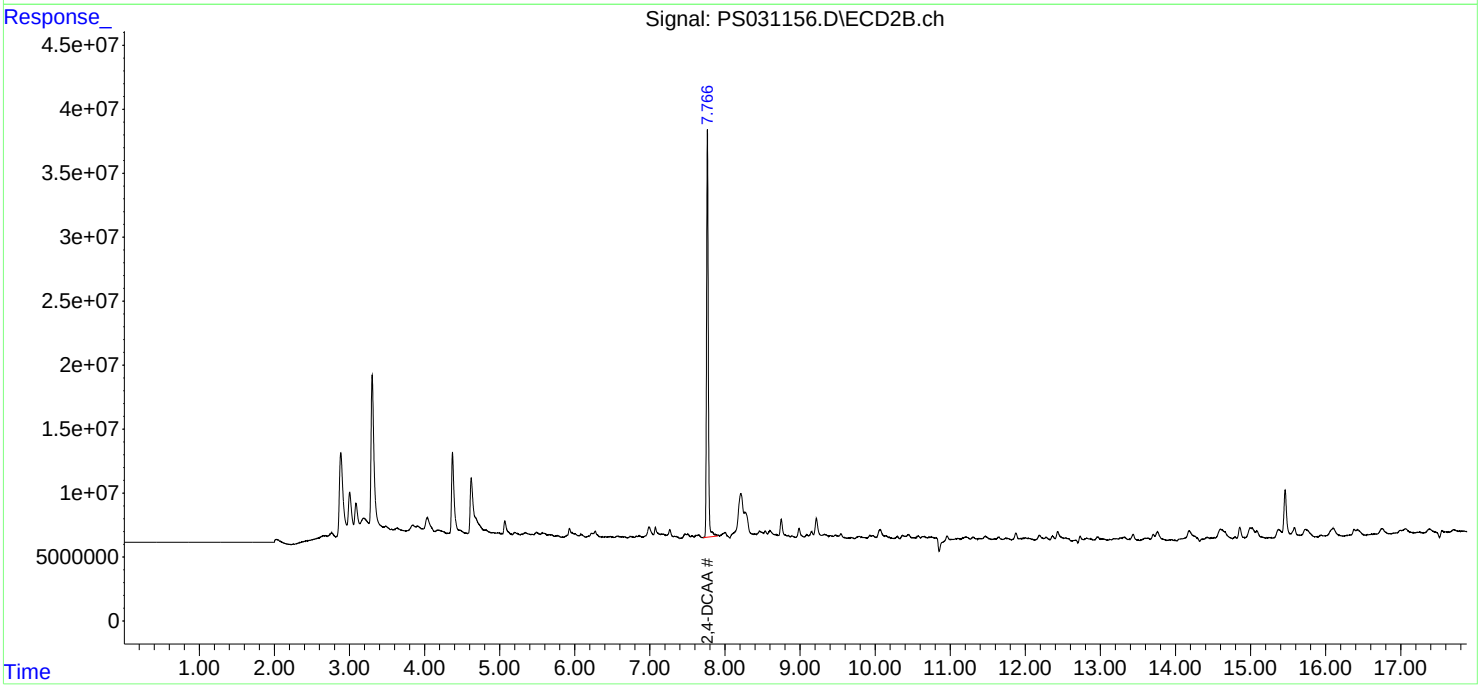
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031156.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

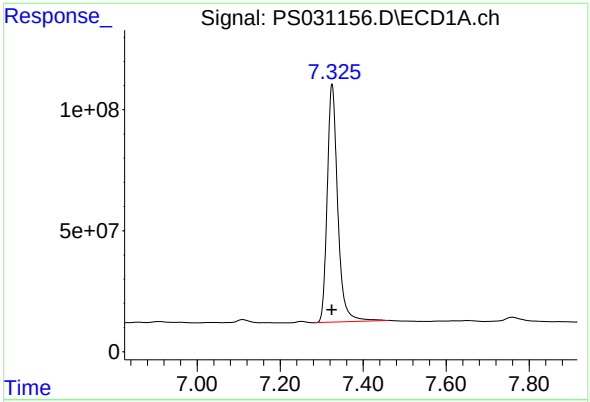
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:21:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



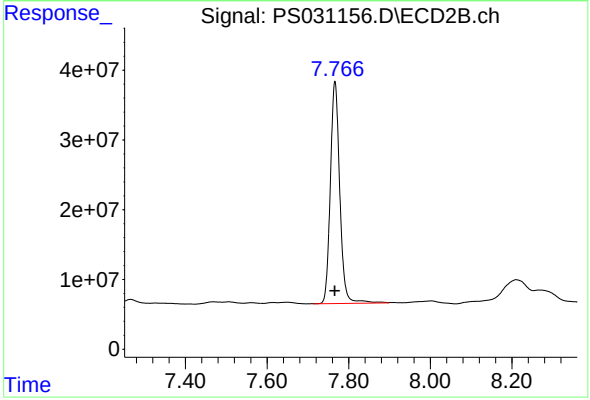




#4 2,4-DCAA

R.T.: 7.325 min
Delta R.T.: 0.000 min
Response: 1726782024
Conc: 397.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 511105861
Conc: 503.57 ng/ml

Raw Data: **PS031179.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PS031179.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PS031179.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031179.D	1		07/23/25	PS072325

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	510		32 - 138		102%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:13:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.322	7.764	1839.9E6	517.6E6	423.145	509.918
	Target Compounds						

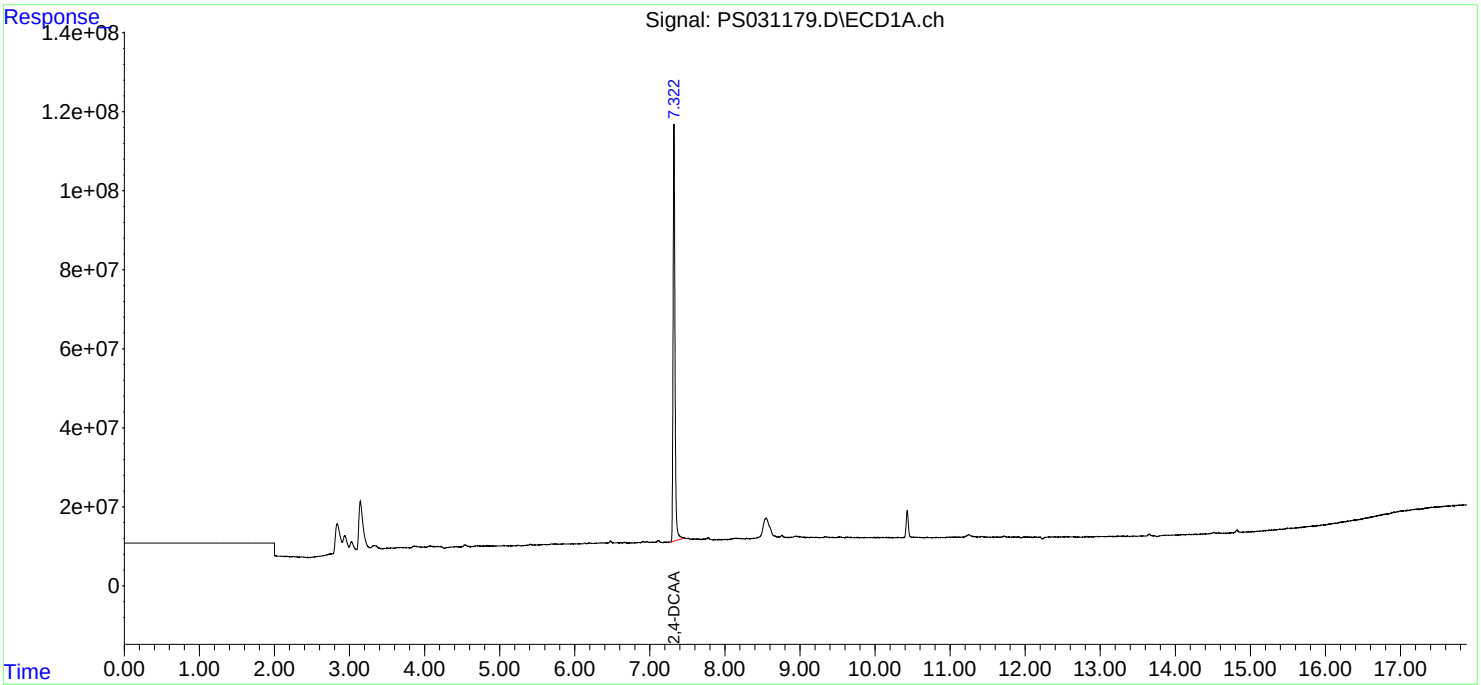
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

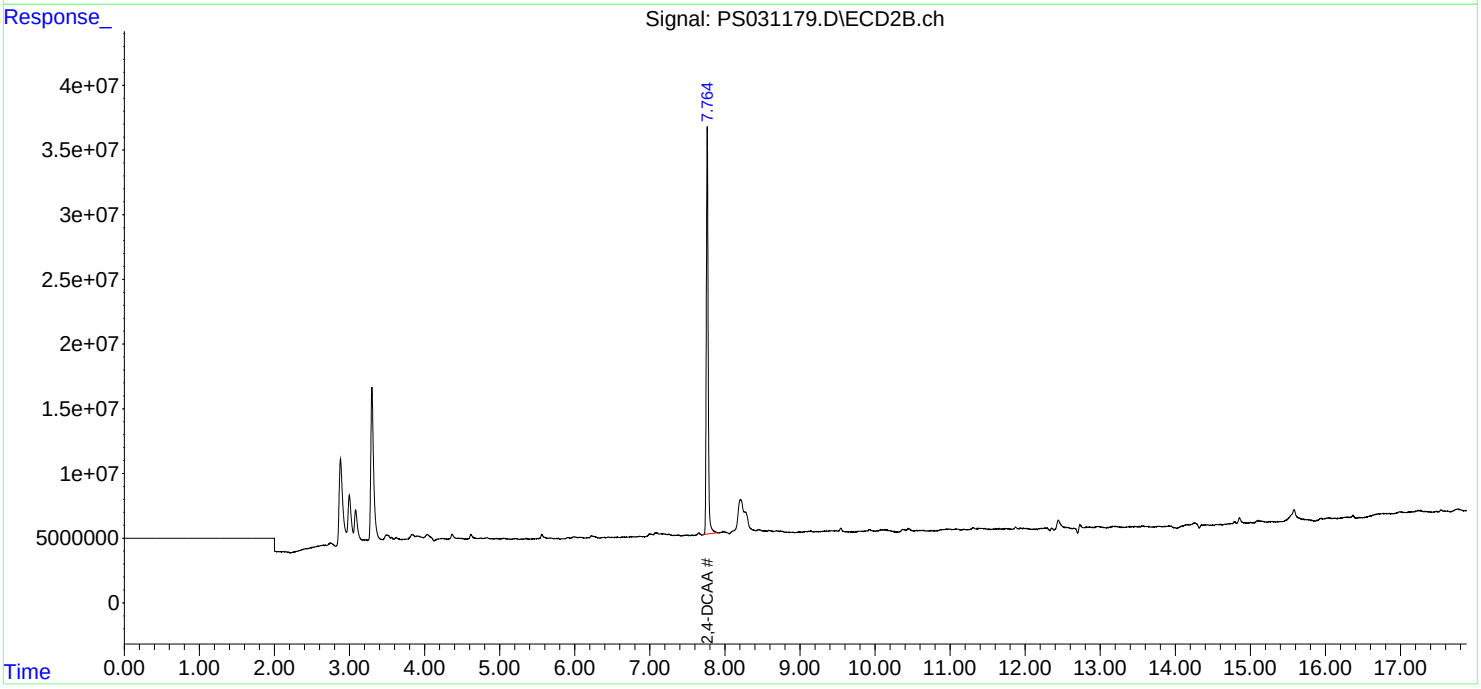
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

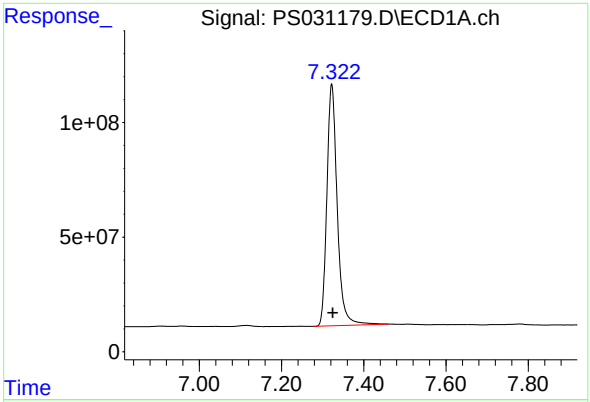
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:13:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



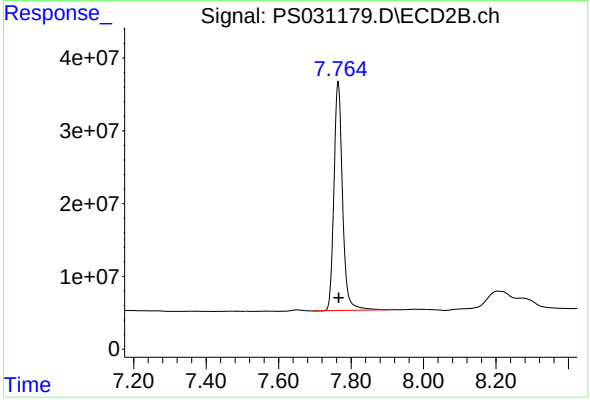




#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.002 min
Response: 1839941142
Conc: 423.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 517550244
Conc: 509.92 ng/ml

Raw Data: **PS031191.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PS031191.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PS031191.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031191.D	1		07/23/25	PS072325

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	518		32 - 138		104%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:19:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.321	7.764	1865.3E6	526.3E6	428.982	518.493
	Target Compounds						

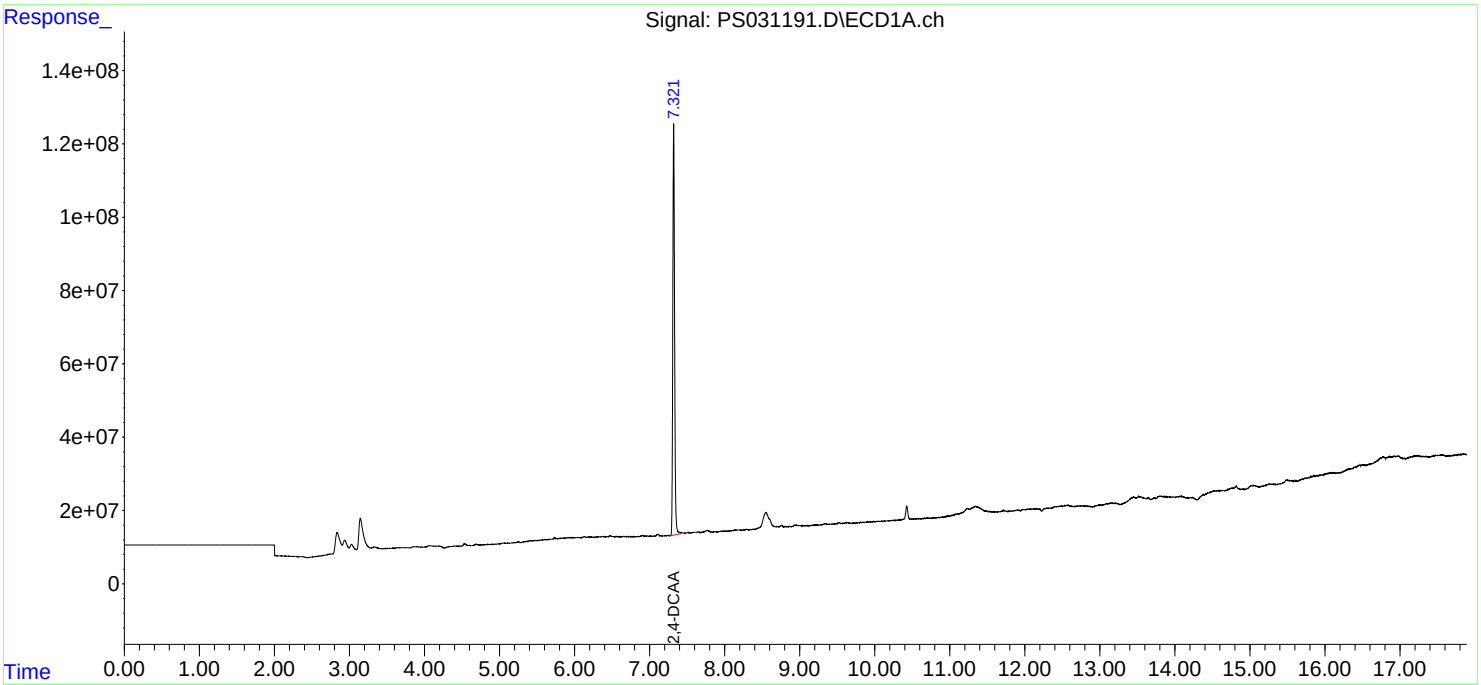
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

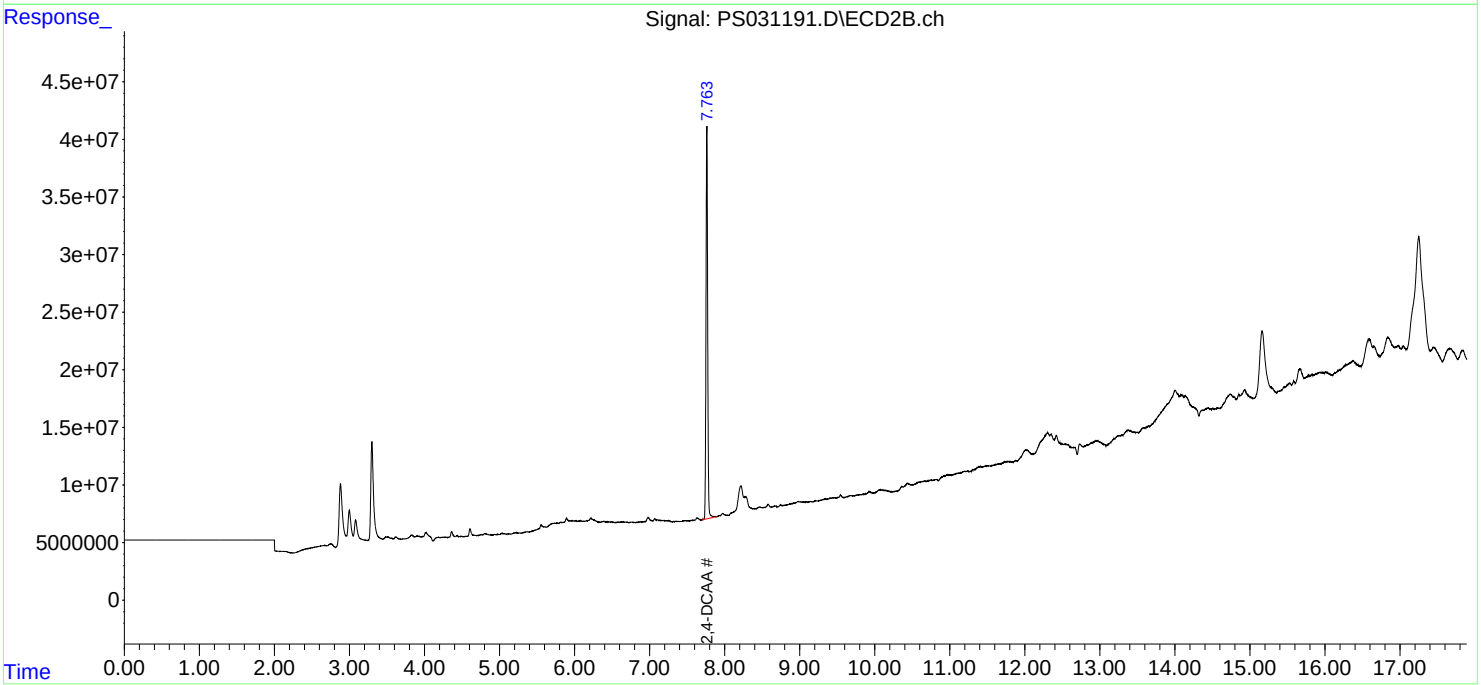
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

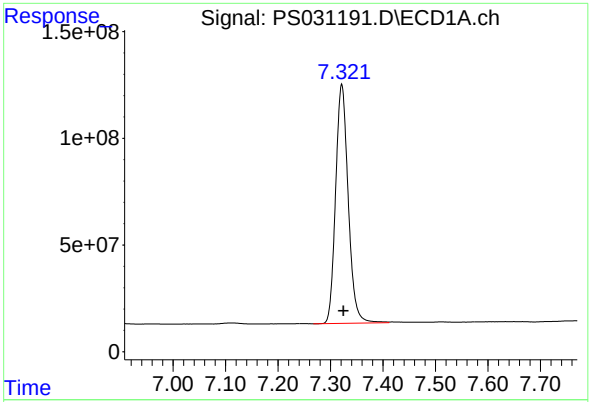
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:19:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



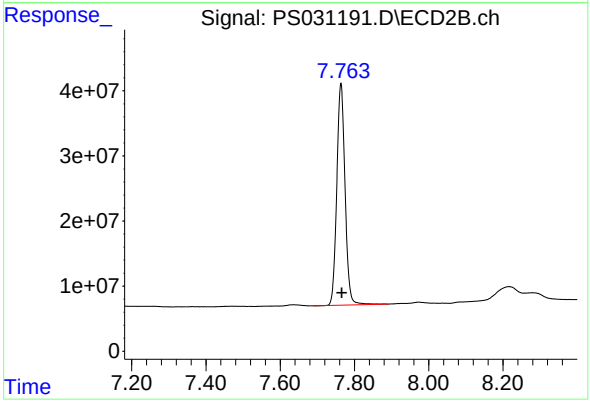




#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 1865323895
Conc: 428.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 526253842
Conc: 518.49 ng/ml

Raw Data: **PS031221.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/24/25
Project:	Raymark Superfund Site	Date Received:	07/24/25
Client Sample ID:	PIBLK-PS031221.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PS031221.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031221.D	1		07/24/25	ps072425

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	492		32 - 138		98%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031221.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 10:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:03:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.320	7.763	1803.2E6	499.7E6	414.703	492.294
	Target Compounds						

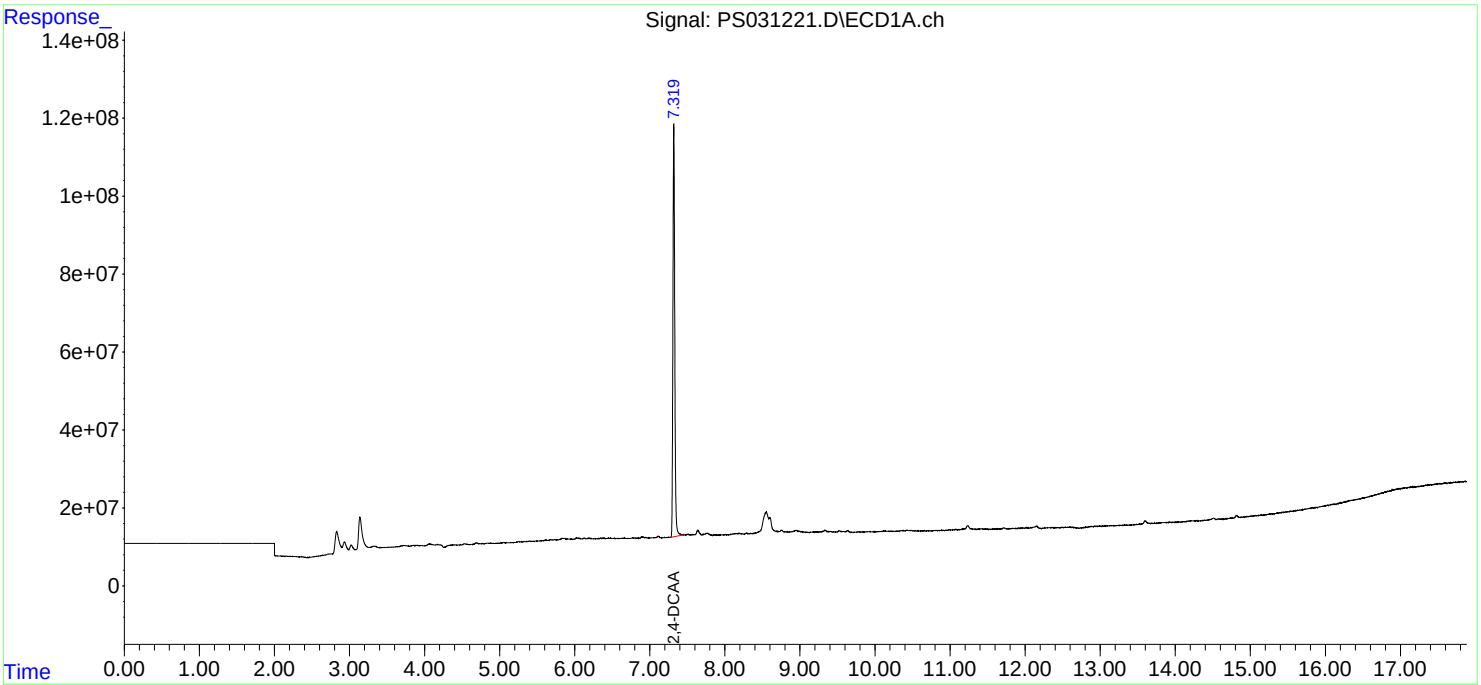
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

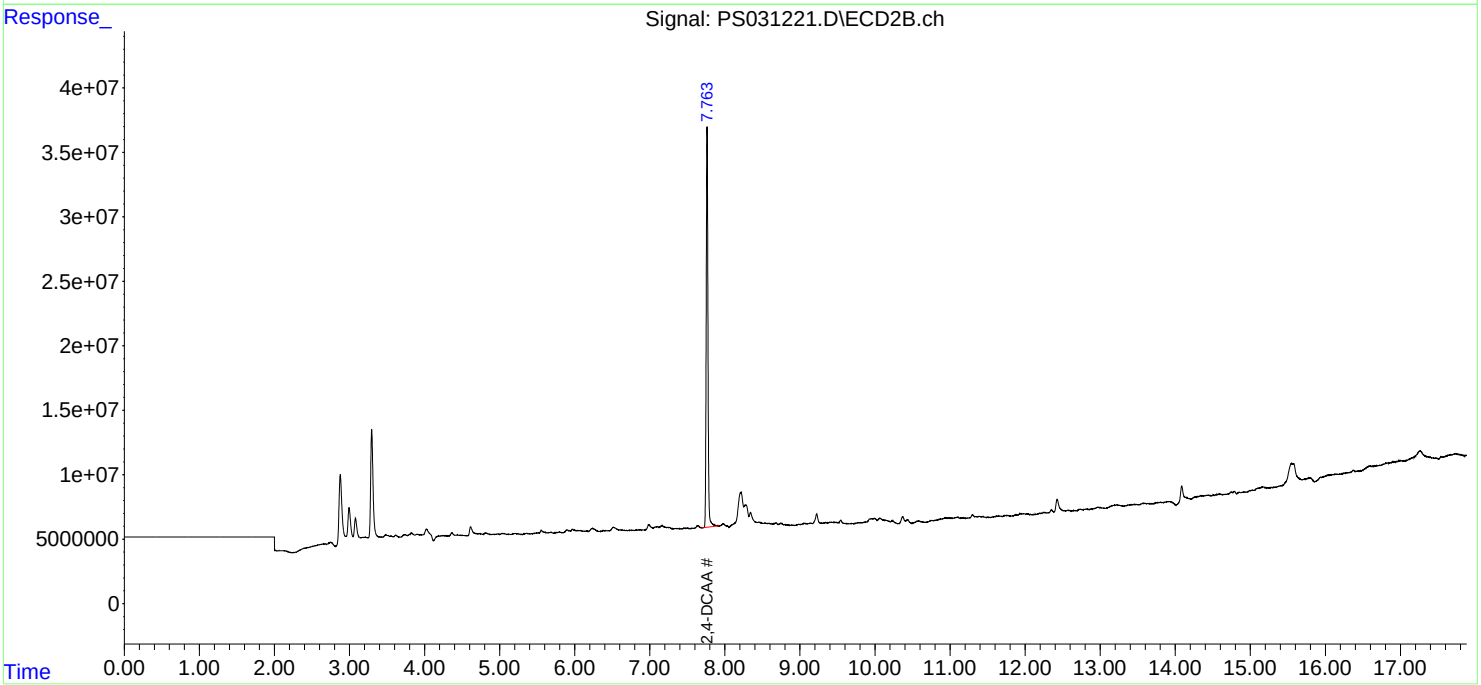
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031221.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 10:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

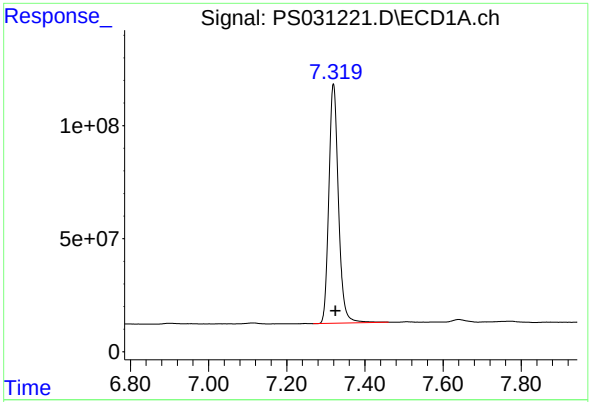
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:03:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



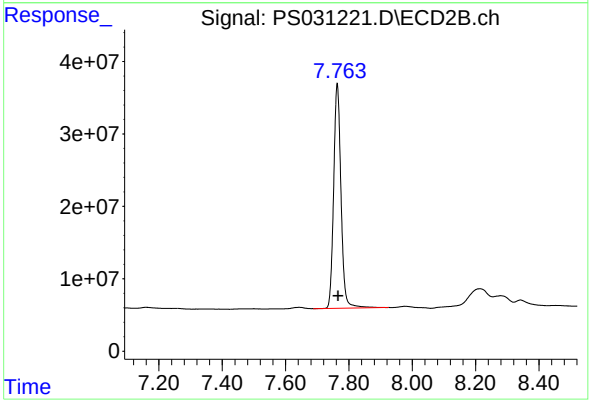




#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1803232075
Conc: 414.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 499662872
Conc: 492.29 ng/ml

Raw Data: **PS031232.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/24/25
Project:	Raymark Superfund Site	Date Received:	07/24/25
Client Sample ID:	PIBLK-PS031232.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PS031232.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031232.D	1		07/24/25	PS072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	491		32 - 138		98%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:07:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.320	7.764	1792.3E6	498.2E6	412.184	490.830
	Target Compounds						

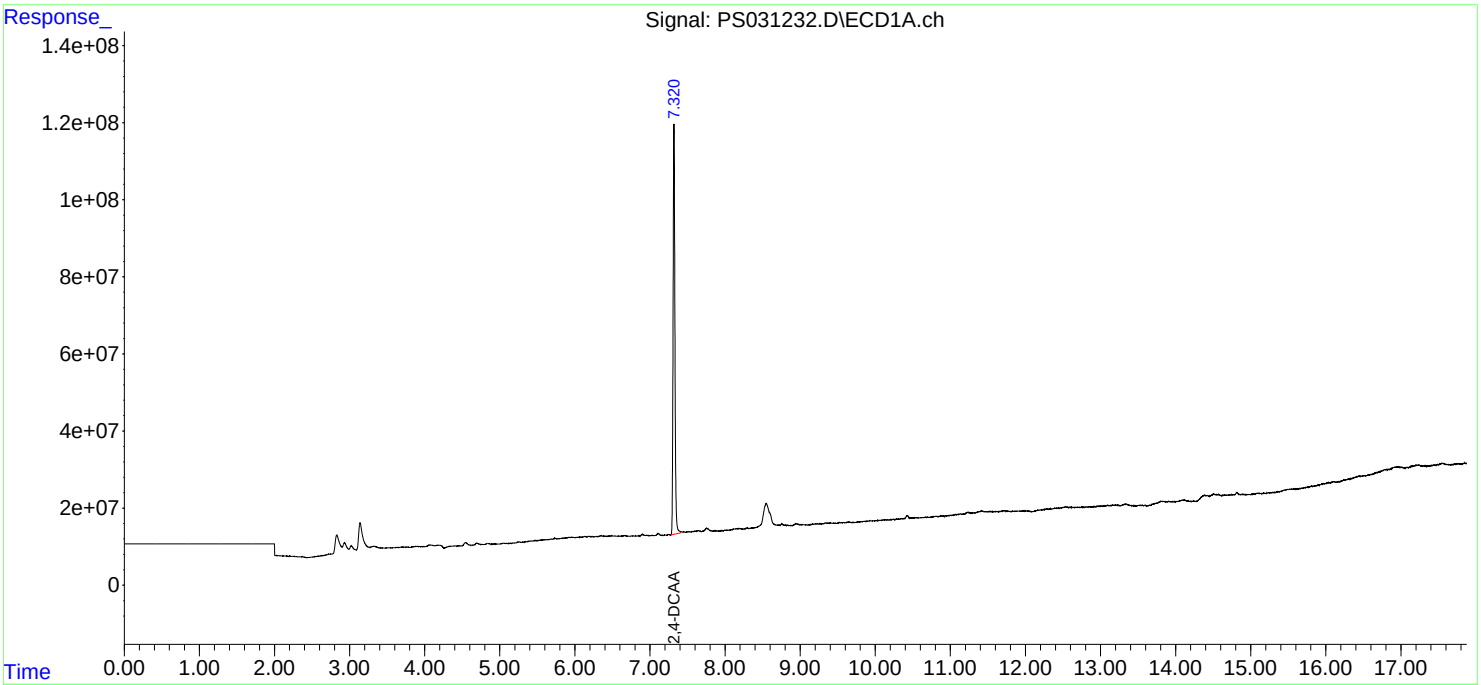
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

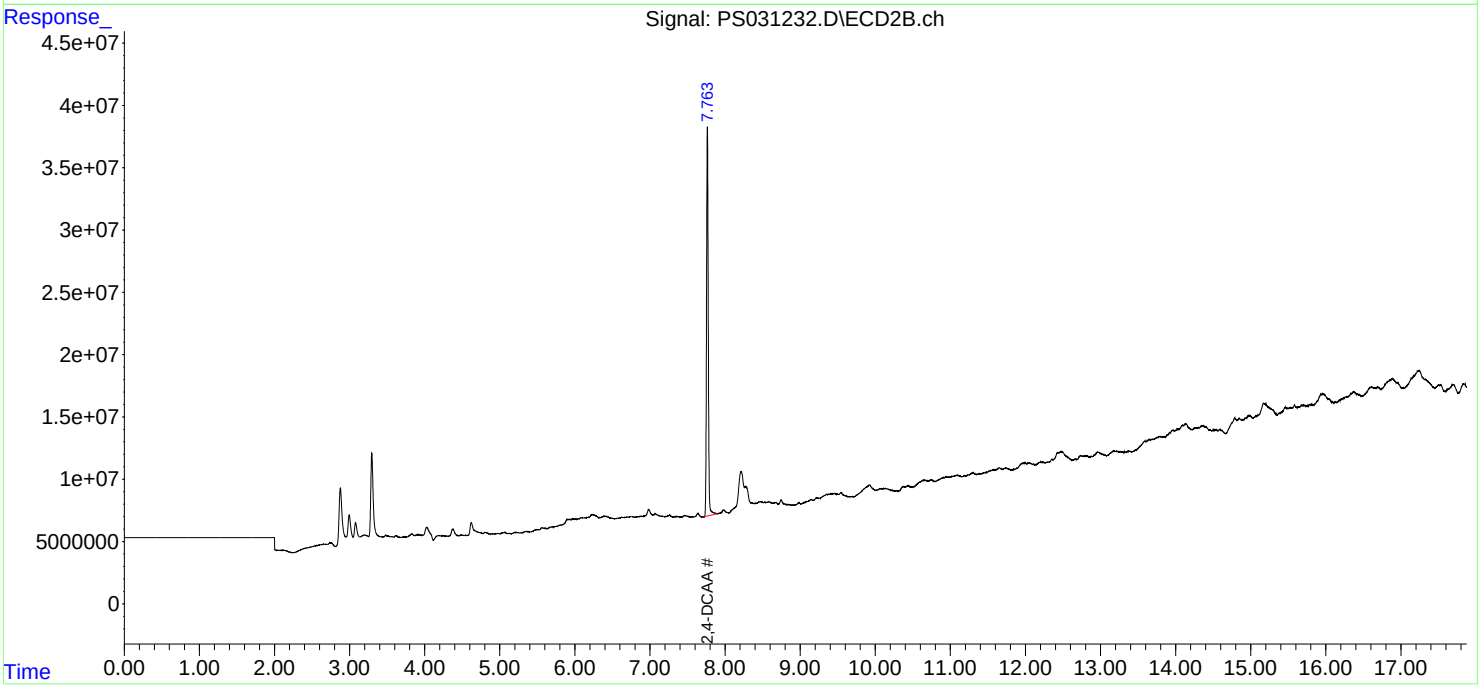
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

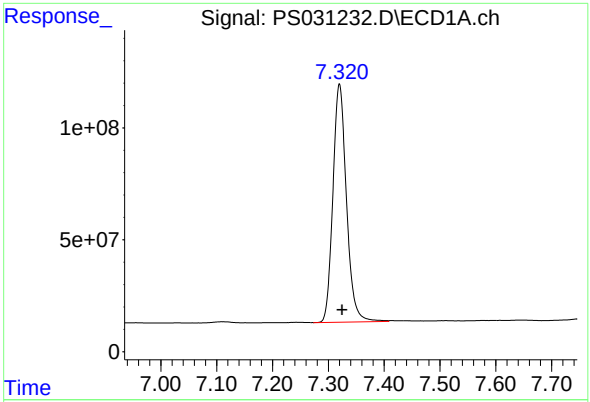
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:07:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



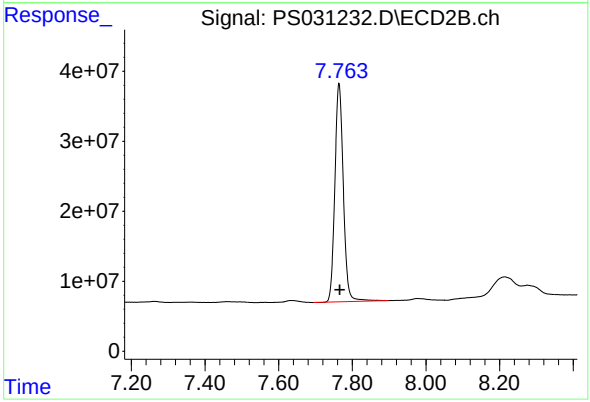




#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1792280651
Conc: 412.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 498176470
Conc: 490.83 ng/ml

Raw Data: **PS031182.D**

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:	PB168945BS	SDG No.:	Q2638
Lab Sample ID:	PB168945BS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031182.D	1	07/22/25 09:05	07/23/25 10:57	PB168945

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	0.15		0.018	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.16		0.013	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.21		0.0090	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.17		0.0091	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.18		0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.18		0.024	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.17		0.011	0.033	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	529		27 - 122		106%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:57
Operator : AR\AJ
Sample : PB168945BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168945BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.321	7.765	2300.6E6	514.3E6	529.094m	506.690
	Target Compounds						
1) T	Dalapon	2.686	2.703	2836.9E6	1265.4E6	452.253	446.071
2) T	3,5-DICHL...	6.484	6.712	2954.5E6	716.1E6	534.977	465.035
3) T	4-Nitroph...	7.121	7.299	842.3E6	825.5E6	510.878	456.273
5) T	DICAMBA	7.511	7.967	8153.2E6	3084.7E6	494.221	477.998
6) T	MCPP	7.690	8.066	470.5E6	138.0E6	47.003	66.401 #
7) T	MCPA	7.840	8.312	596.5E6	147.7E6	47.664	46.807
8) T	DICHLORPROP	8.222	8.686	1876.4E6	728.9E6	490.953	481.148
9) T	2,4-D	8.454	9.023	2301.4E6	813.0E6	616.181	478.705
10) T	Pentachlo...	8.759	9.545	29745.8E6	19677.7E6	544.580	503.507
11) T	2,4,5-TP ...	9.338	9.926	11211.0E6	7260.8E6	510.670	487.490
12) T	2,4,5-T	9.632	10.353	10292.3E6	6906.8E6	527.057	485.731
13) T	2,4-DB	10.208	10.921	1569.6E6	577.9E6	524.984	493.736
14) T	DINOSEB	11.422	11.305	7848.8E6	5451.6E6	504.116	482.349
15) T	Picloram	11.234	12.416	10332.8E6	11638.2E6	516.471	467.492
16) T	DCPA	11.719	12.350	14880.0E6	10312.1E6	518.585	447.652

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:57
Operator : AR\AJ
Sample : PB168945BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

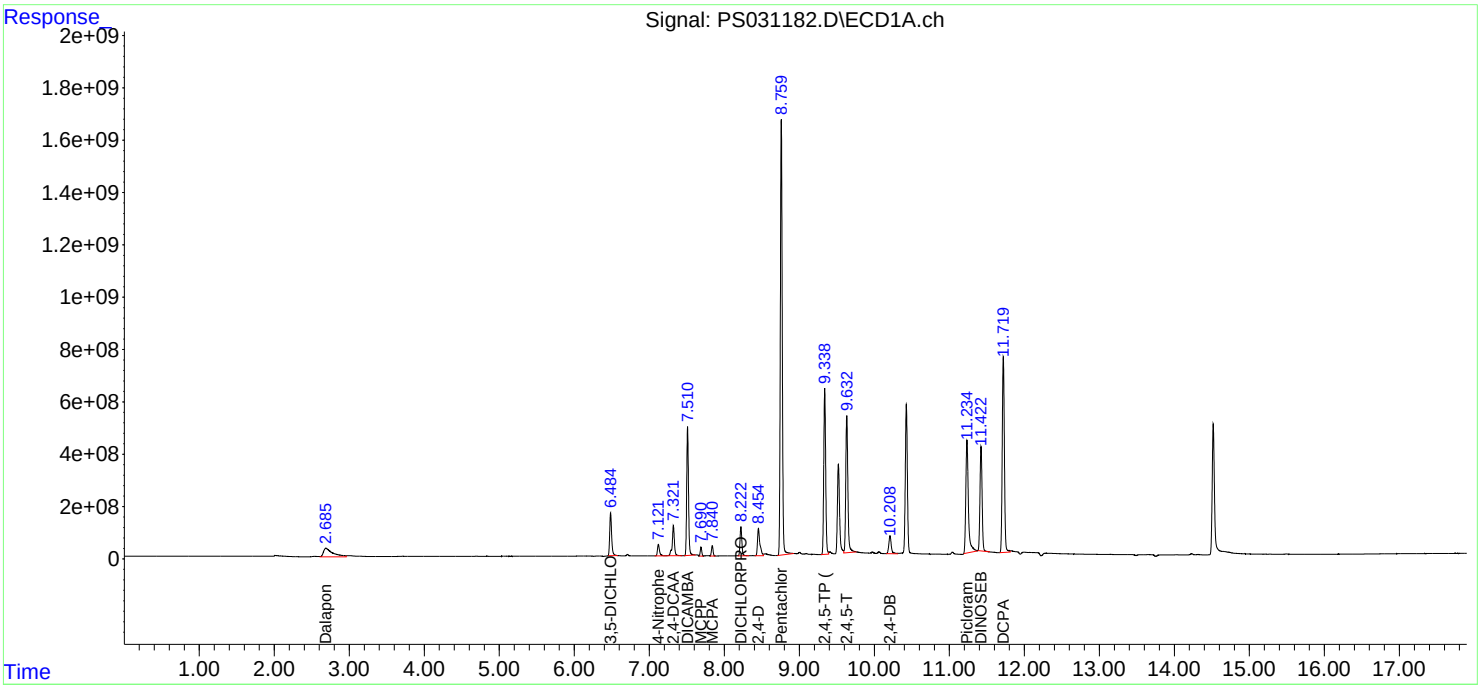
Instrument :
ECD_S
ClientSampleId :
PB168945BS

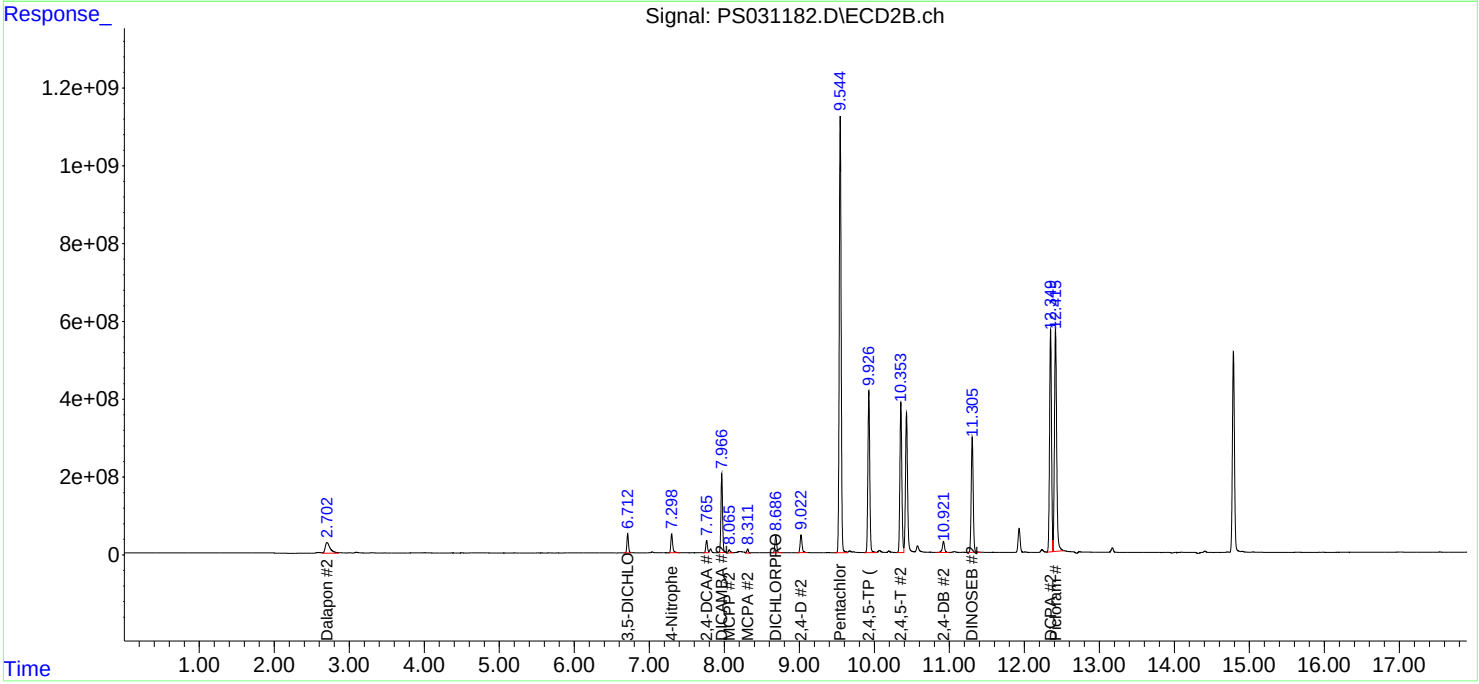
Manual Integrations APPROVED

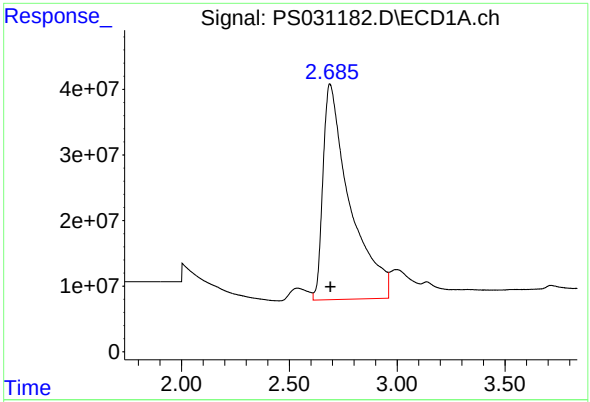
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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







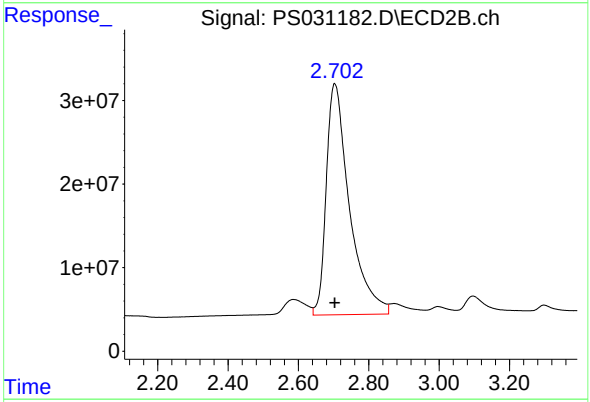
#1 Dalapon

R.T.: 2.686 min
Delta R.T.: -0.004 min
Response: 2836942675
Conc: 452.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

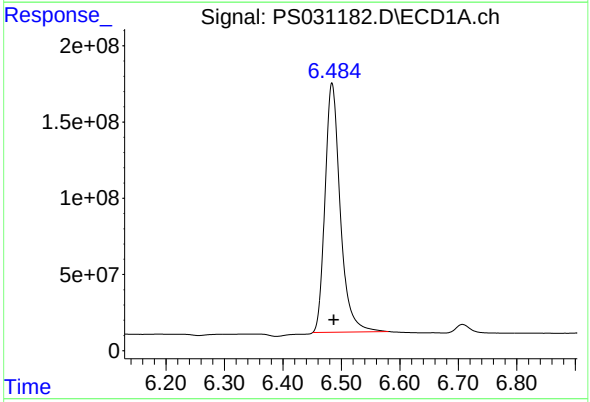
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



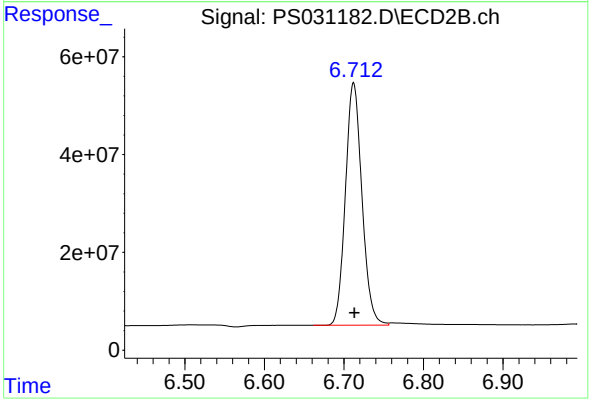
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1265386376
Conc: 446.07 ng/ml



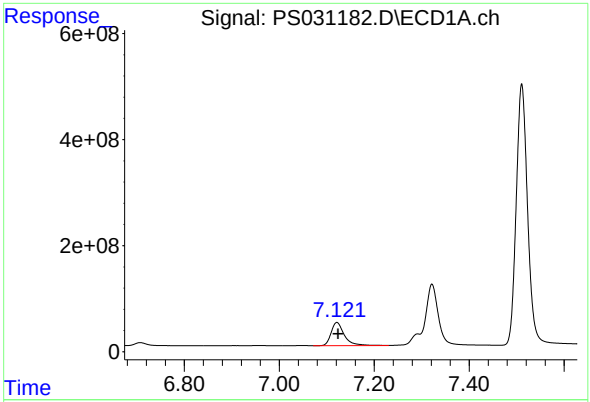
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 2954544378
Conc: 534.98 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.712 min
Delta R.T.: 0.000 min
Response: 716105055
Conc: 465.04 ng/ml



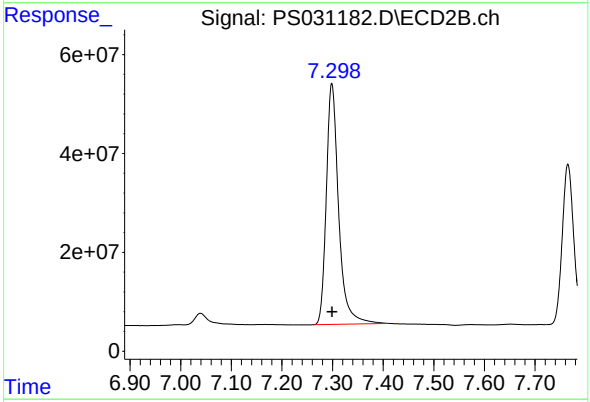
#3 4-Nitrophenol

R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 842327512
Conc: 510.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

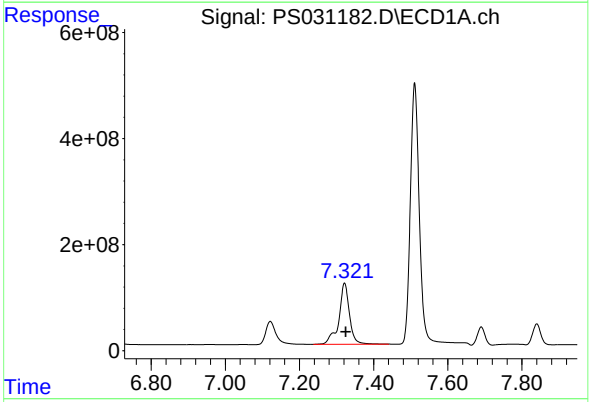
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



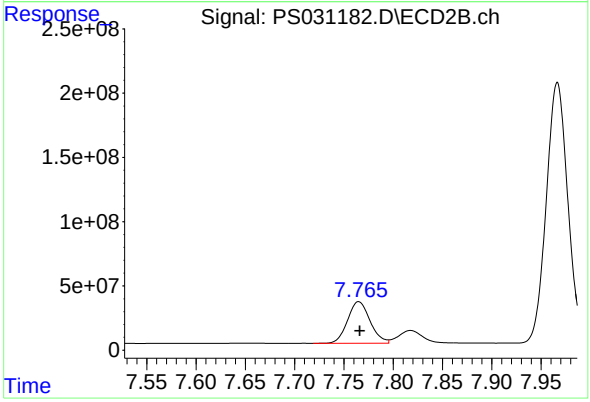
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 825542788
Conc: 456.27 ng/ml



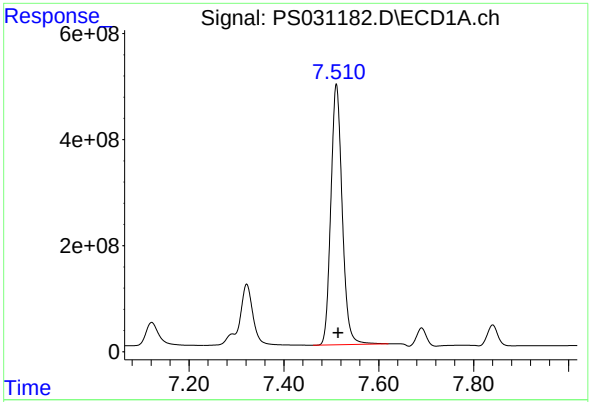
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 2300632627
Conc: 529.09 ng/ml m



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.001 min
Response: 514273960
Conc: 506.69 ng/ml



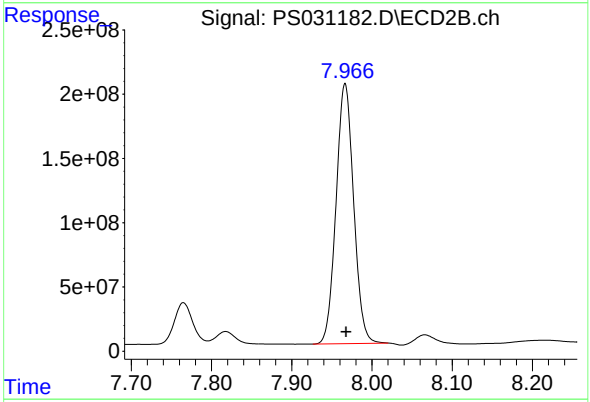
#5 DICAMBA

R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 8153150517
Conc: 494.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

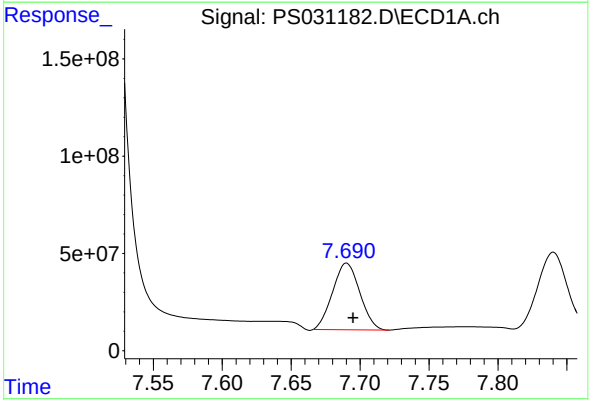
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



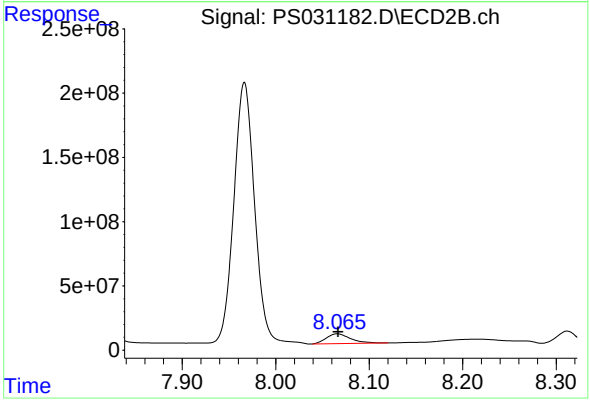
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.001 min
Response: 3084698759
Conc: 478.00 ng/ml



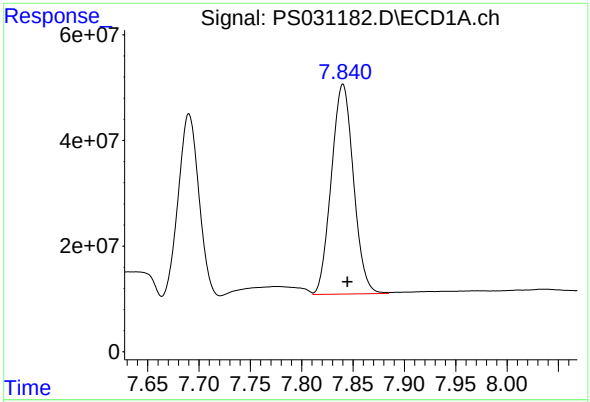
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.005 min
Response: 470504704
Conc: 47.00 ug/ml



#6 MCPP

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 137967938
Conc: 66.40 ug/ml



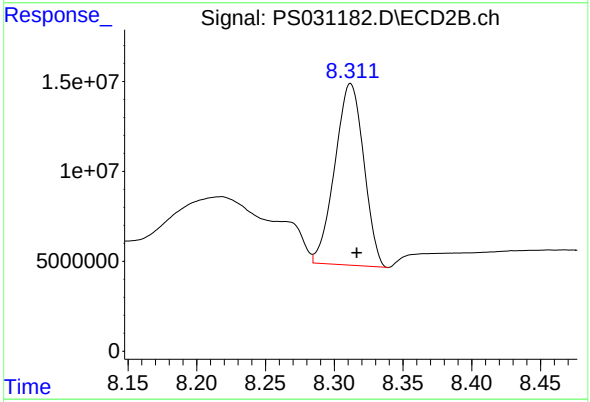
#7 MCPA

R.T.: 7.840 min
Delta R.T.: -0.004 min
Response: 596472365
Conc: 47.66 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

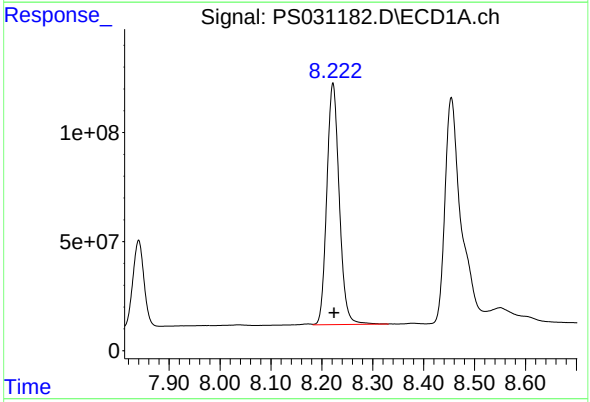
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



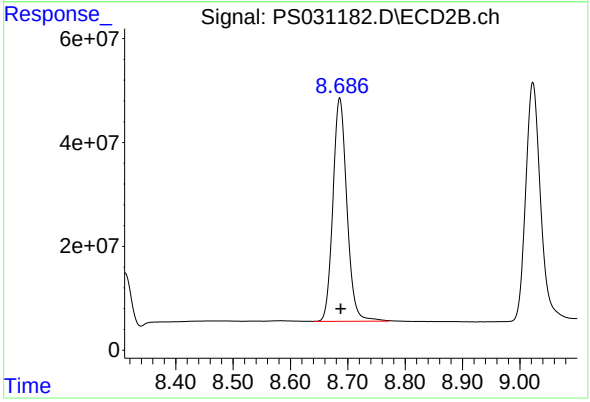
#7 MCPA

R.T.: 8.312 min
Delta R.T.: -0.004 min
Response: 147684649
Conc: 46.81 ug/ml



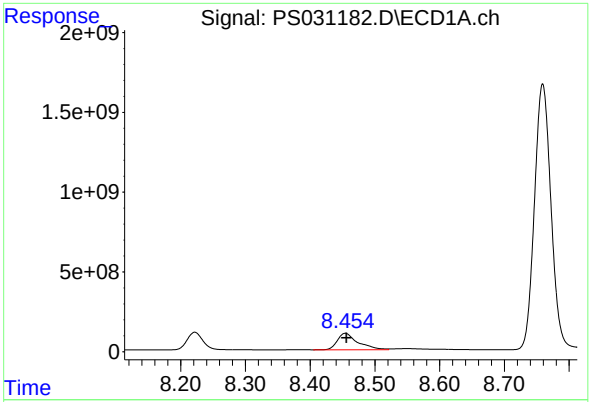
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.003 min
Response: 1876398601
Conc: 490.95 ng/ml



#8 DICHLORPROP

R.T.: 8.686 min
Delta R.T.: -0.002 min
Response: 728871327
Conc: 481.15 ng/ml



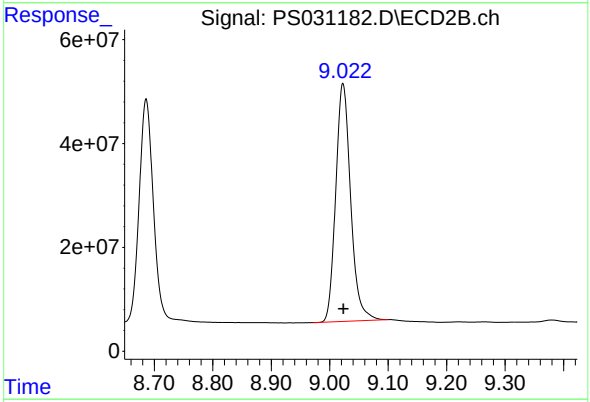
#9 2,4-D

R.T.: 8.454 min
Delta R.T.: -0.002 min
Response: 2301386343
Conc: 616.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

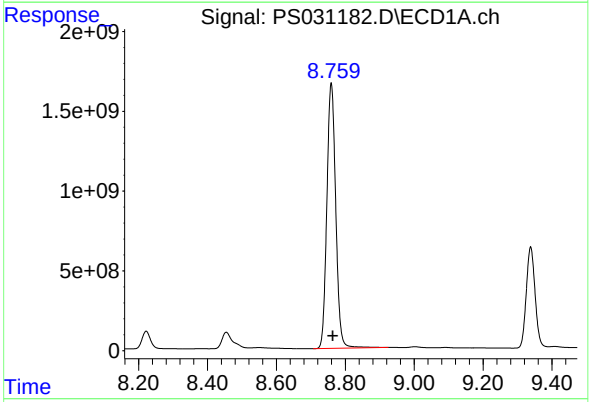
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



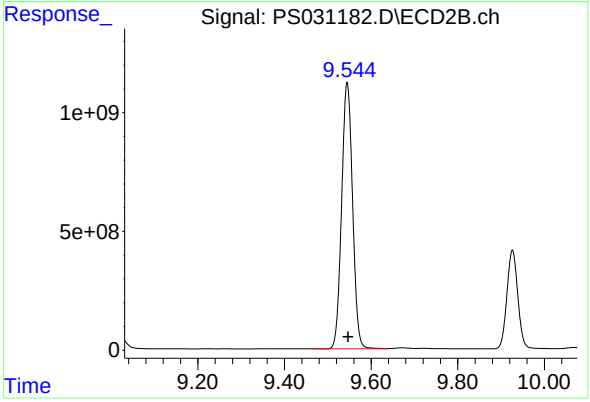
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: -0.001 min
Response: 812993476
Conc: 478.70 ng/ml



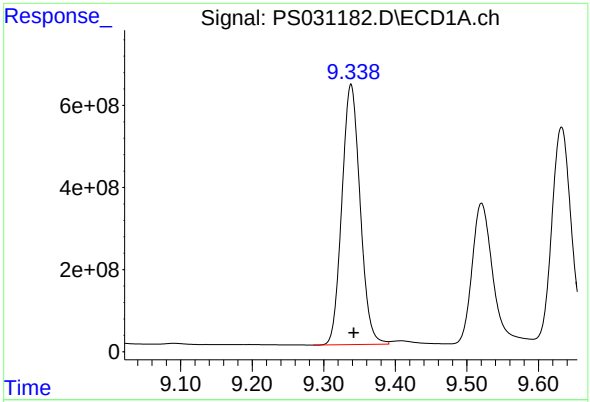
#10 Pentachlorophenol

R.T.: 8.759 min
Delta R.T.: -0.005 min
Response: 29745788032
Conc: 544.58 ng/ml



#10 Pentachlorophenol

R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 19677661106
Conc: 503.51 ng/ml



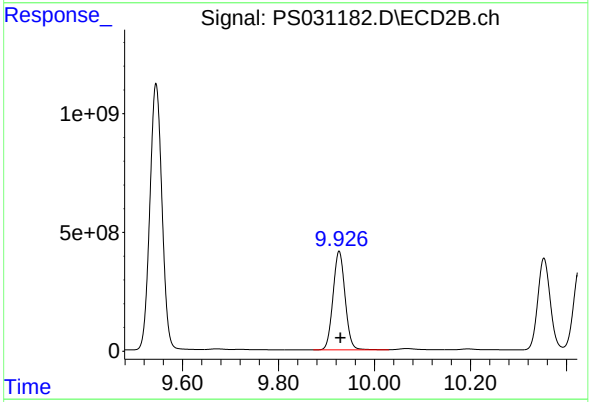
#11 2,4,5-TP (SILVEX)

R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 11211030710
Conc: 510.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

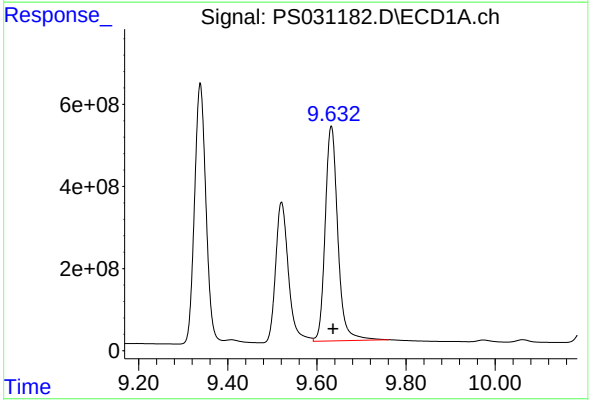
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



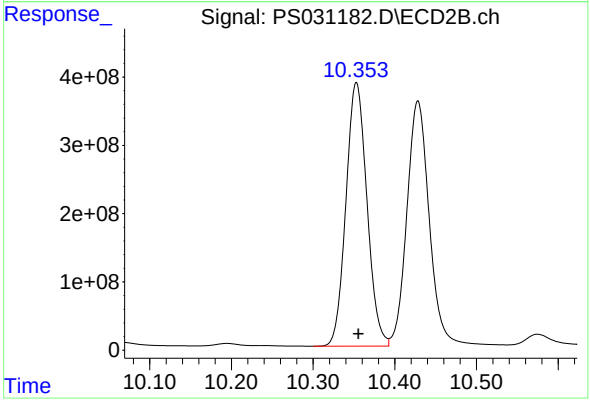
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 7260766965
Conc: 487.49 ng/ml



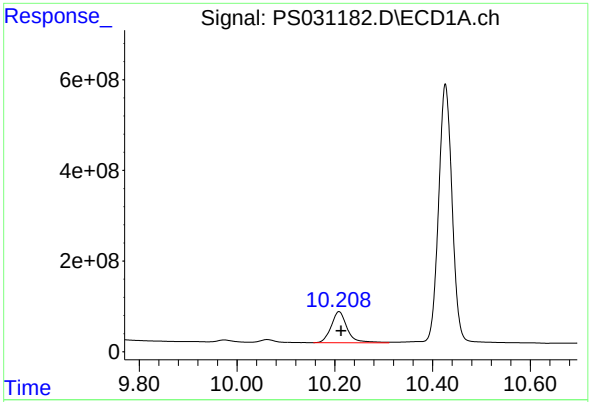
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 10292257681
Conc: 527.06 ng/ml



#12 2,4,5-T

R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 6906832805
Conc: 485.73 ng/ml



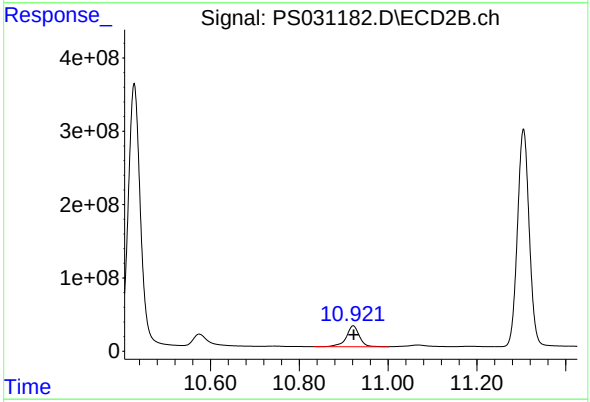
#13 2,4-DB

R.T.: 10.208 min
Delta R.T.: -0.004 min
Response: 1569642134
Conc: 524.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

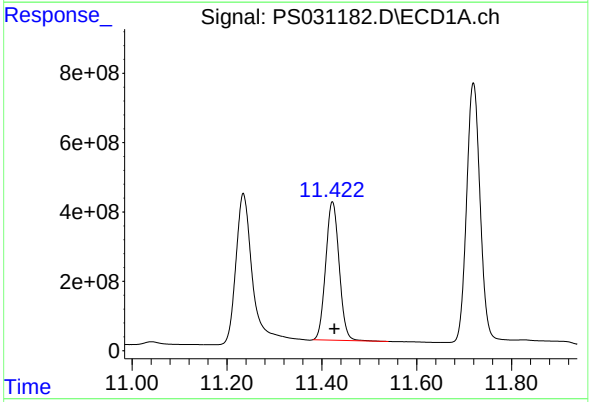
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



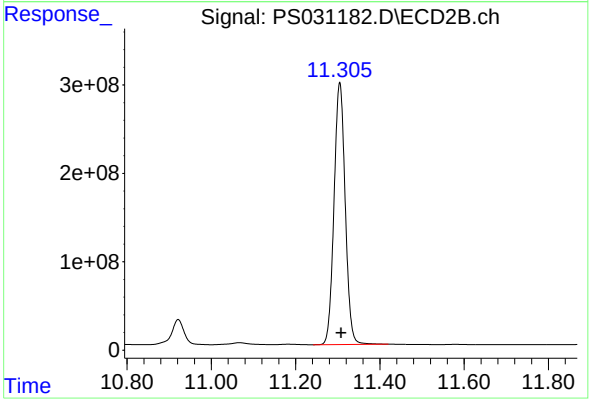
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.001 min
Response: 577923716
Conc: 493.74 ng/ml



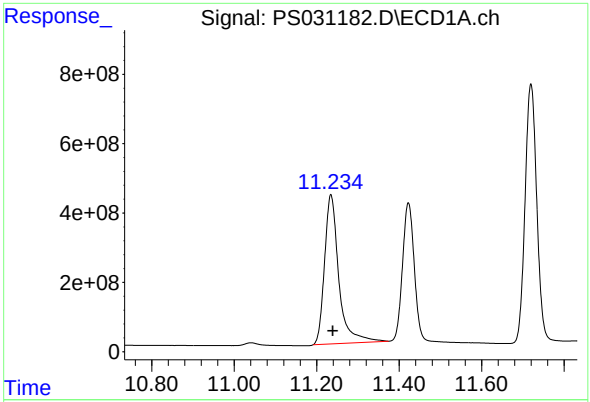
#14 DINOSEB

R.T.: 11.422 min
Delta R.T.: -0.004 min
Response: 7848827519
Conc: 504.12 ng/ml



#14 DINOSEB

R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 5451552613
Conc: 482.35 ng/ml



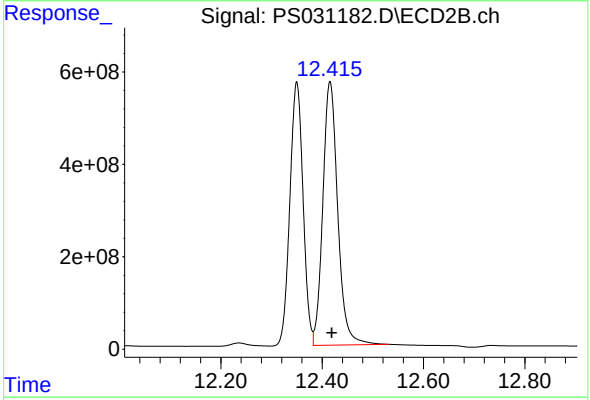
#15 Picloram

R.T.: 11.234 min
Delta R.T.: -0.004 min
Response: 10332826266
Conc: 516.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

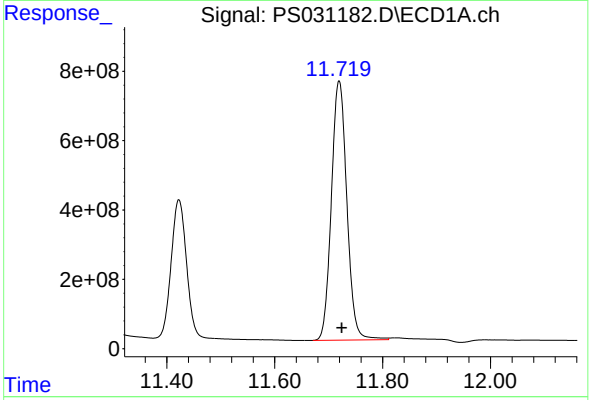
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



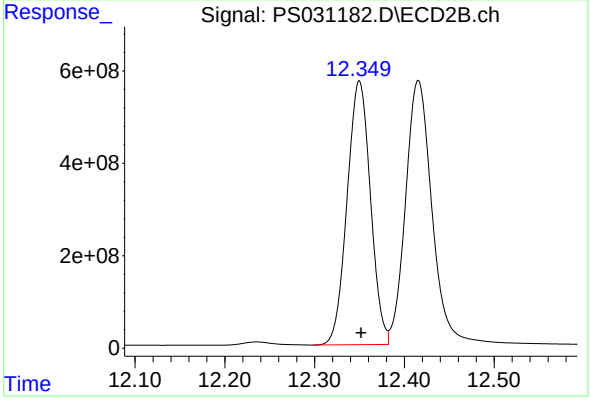
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.003 min
Response: 11638226865
Conc: 467.49 ng/ml



#16 DCPA

R.T.: 11.719 min
Delta R.T.: -0.005 min
Response: 14880001208
Conc: 518.58 ng/ml



#16 DCPA

R.T.: 12.350 min
Delta R.T.: -0.002 min
Response: 10312133648
Conc: 447.65 ng/ml

Raw Data: **PS031224.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725MS	SDG No.:	Q2638
Lab Sample ID:	Q2638-11MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81.9 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
PS031224.D	1	07/22/25 09:05	07/24/25 14:08	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	115		9.50	40.3	81.7	ug/Kg
75-99-0	DALAPON	214	P	21.3	61.0	81.7	ug/Kg
120-36-5	DICHLORPROP	126		15.6	40.3	81.7	ug/Kg
94-75-7	2,4-D	152		11.0	40.3	81.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	128		11.1	40.3	81.7	ug/Kg
93-76-5	2,4,5-T	134		10.6	40.3	81.7	ug/Kg
94-82-6	2,4-DB	111		29.5	40.3	81.7	ug/Kg
88-85-7	DINOSEB	40.3	U	13.2	40.3	81.7	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	312		27 - 122		62%	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\PS072425\
Data File : PS031224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:08
Operator : AR\AJ
Sample : Q2638-11MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.320	7.764	1246.6E6	317.1E6	286.690	312.465
	Target Compounds						
1) T	Dalapon	2.678	2.701	938.3E6	1489.7E6	149.587m	525.134m#
2) T	3,5-DICHL...	6.483	6.711	1690.1E6	463.2E6	306.020	300.831
3) T	4-Nitroph...	7.119	7.298	423.8E6	435.5E6	257.034	240.722
5) T	DICAMBA	7.509	7.966	4646.0E6	1806.3E6	281.628	279.893
6) T	MCPP	7.688	8.063	244.0E6	46583331	24.375	22.419
7) T	MCPA	7.837	8.310	334.0E6	59176547	26.691	18.755 #
8) T	DICHLORPROP	8.220	8.685	1181.1E6	454.0E6	309.035	299.697
9) T	2,4-D	8.451	9.021	1398.5E6	608.4E6	374.427	358.212
10) T	Pentachlo...	8.757	9.545	16524.6E6	10431.4E6	302.529	266.917
11) T	2,4,5-TP ...	9.336	9.925	6903.1E6	4355.0E6	314.440	292.394m
12) T	2,4,5-T	9.630	10.352	6419.1E6	4171.5E6	328.718	293.366
13) T	2,4-DB	10.207	10.920	700.0E6	320.9E6	234.107m	274.132
15) T	Picloram	11.229	12.415	5499.3E6	5460.0E6	274.874m	219.319
16) T	DCPA	11.714	12.349	6525.3E6	6541.7E6	227.416	283.975

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:08
Operator : AR\AJ
Sample : Q2638-11MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

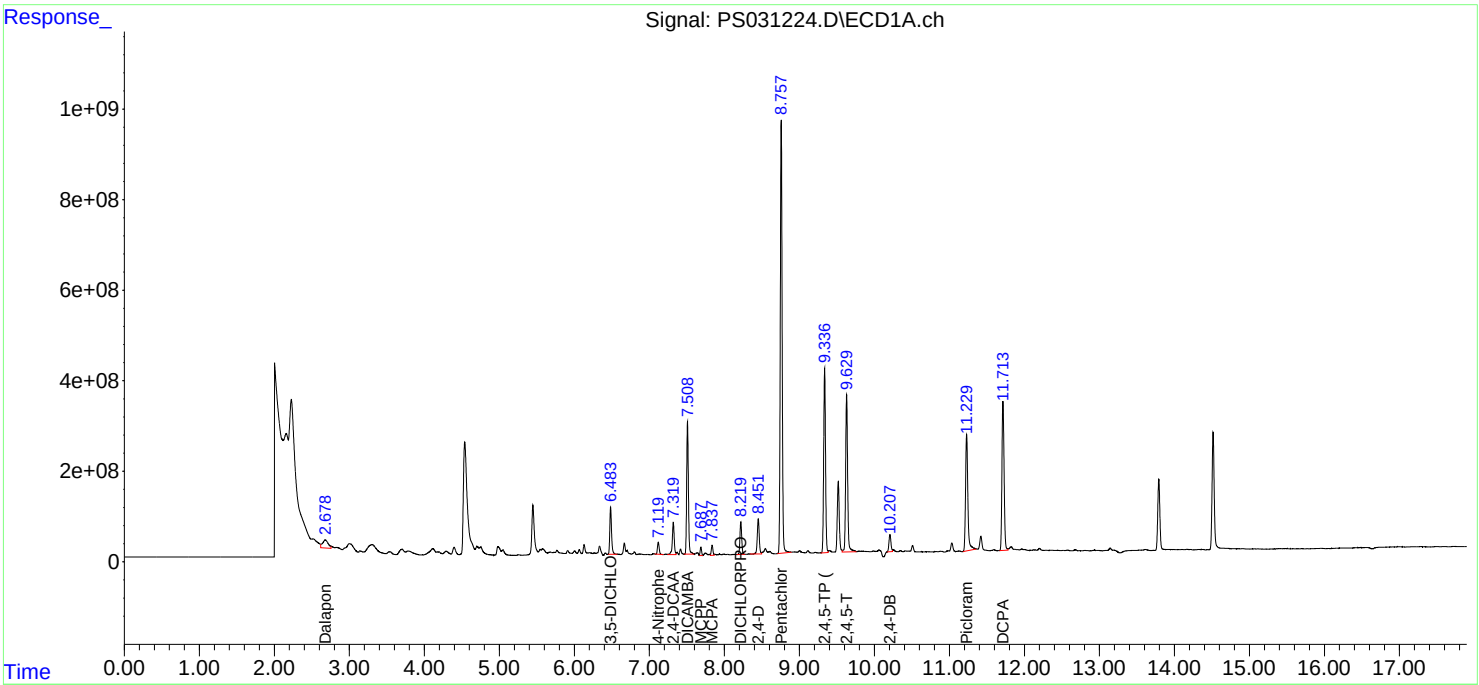
Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

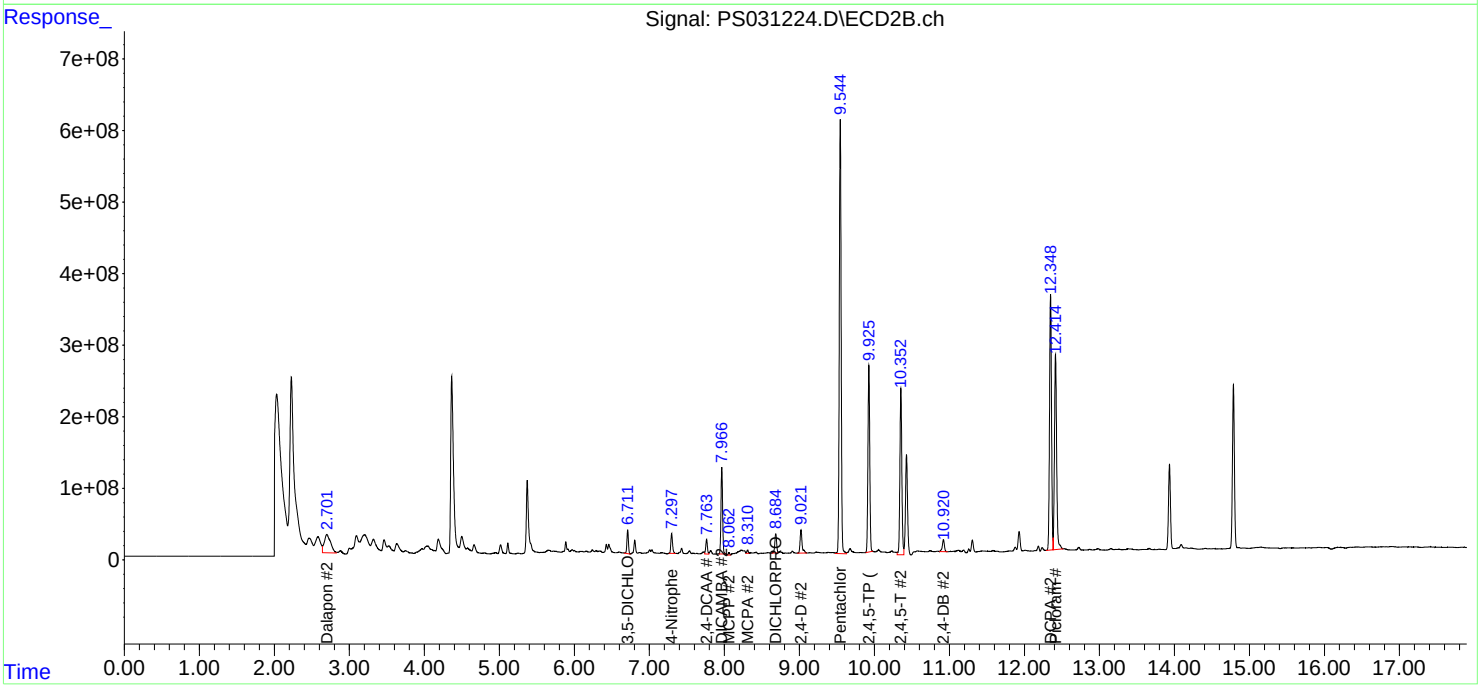
Manual Integrations APPROVED

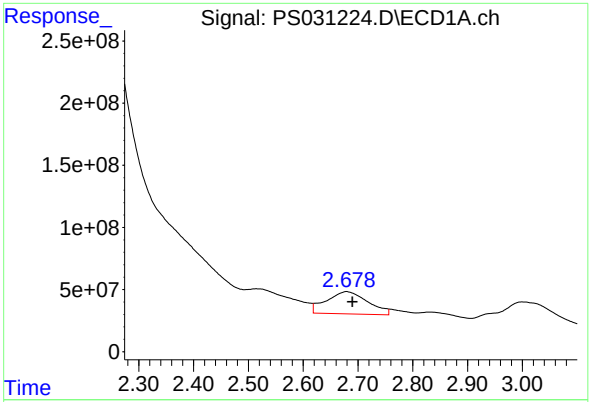
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Dalapon

R.T.: 2.678 min
Delta R.T.: -0.012 min
Response: 938343554
Conc: 149.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

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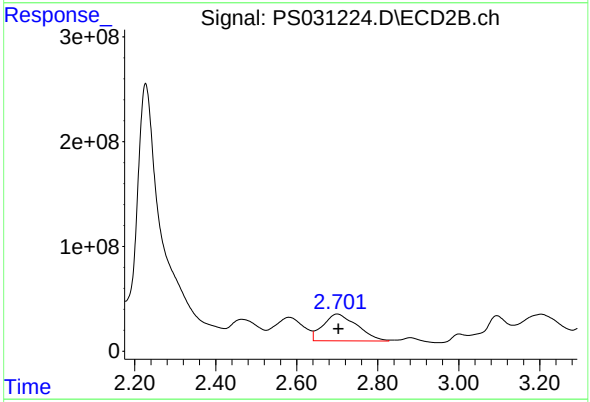
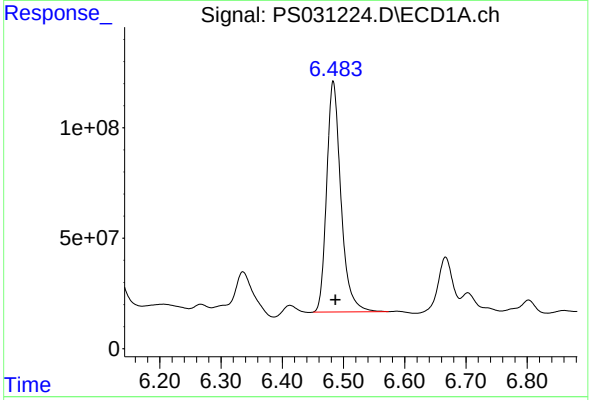


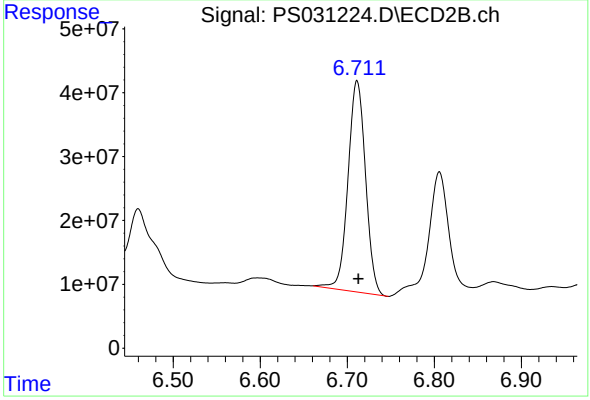
#1 Dalapon

R.T.: 2.701 min
Delta R.T.: -0.003 min
Response: 1489669391
Conc: 525.13 ng/ml m



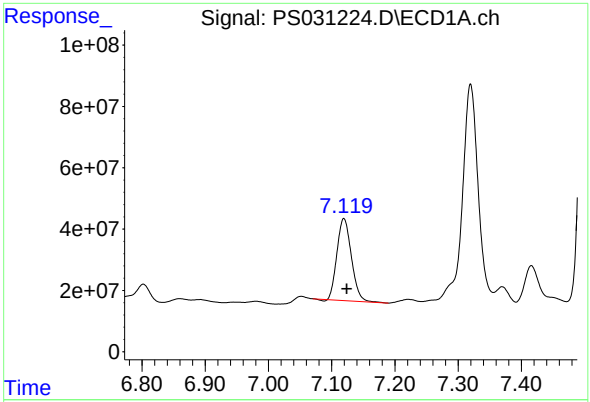
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 1690071144
Conc: 306.02 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 463248534
Conc: 300.83 ng/ml



#3 4-Nitrophenol

R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 423793288
Conc: 257.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
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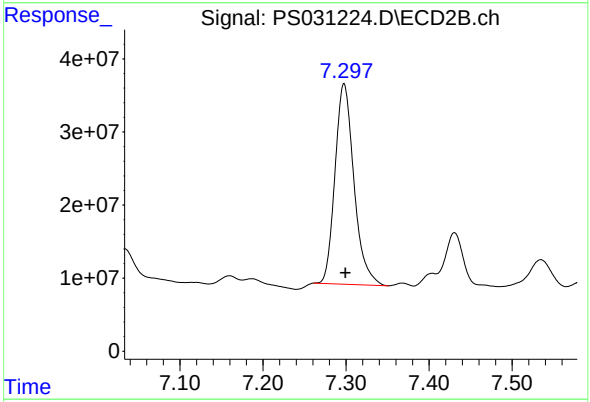
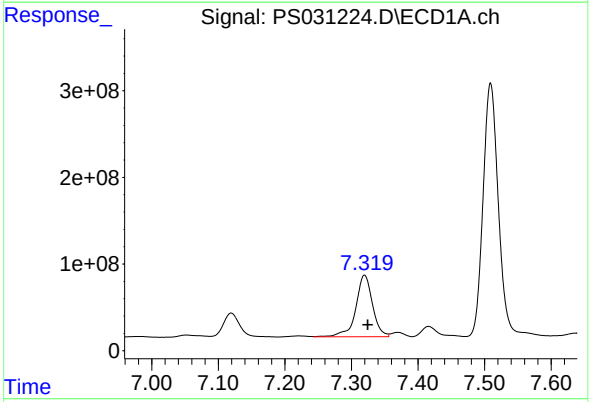


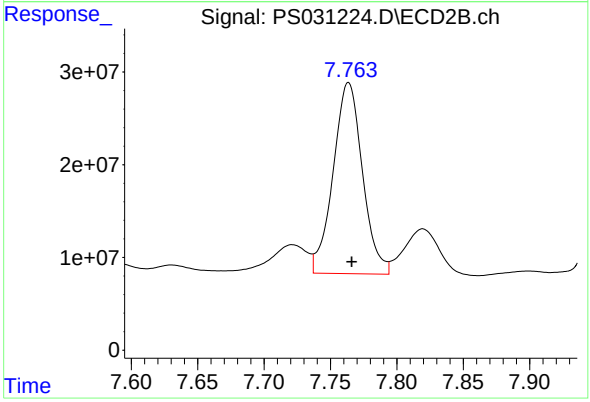
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 435542721
Conc: 240.72 ng/ml



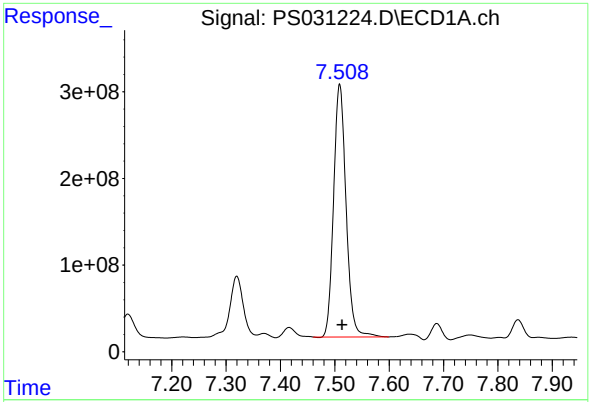
#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1246601439
Conc: 286.69 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 317142086
Conc: 312.47 ng/ml



#5 DICAMBA

R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 4646004188
Conc: 281.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

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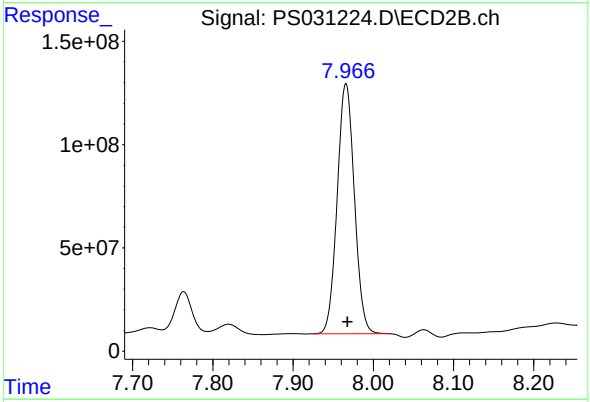
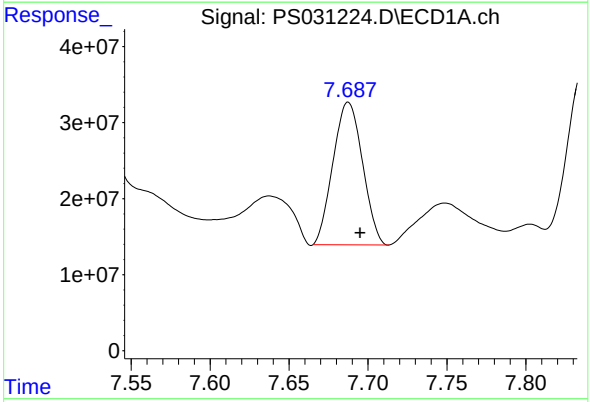


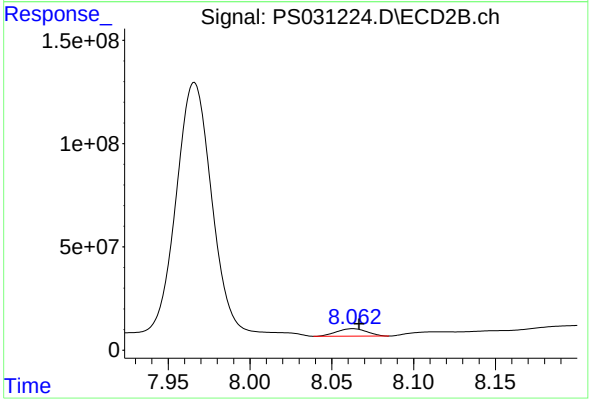
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 1806255092
Conc: 279.89 ng/ml



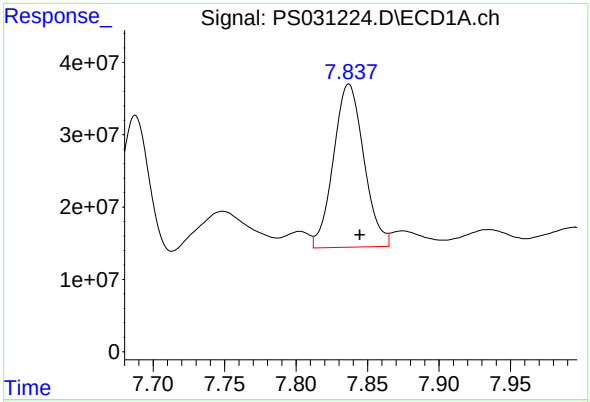
#6 MCPP

R.T.: 7.688 min
Delta R.T.: -0.007 min
Response: 243998366
Conc: 24.38 ug/ml



#6 MCPP

R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 46583331
Conc: 22.42 ug/ml



#7 MCPA

R.T.: 7.837 min
Delta R.T.: -0.008 min
Response: 334022340
Conc: 26.69 ug/ml

Instrument :
ECD_S
ClientSampleId :
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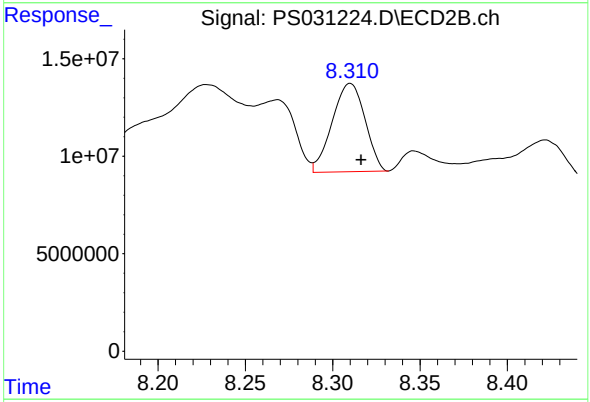
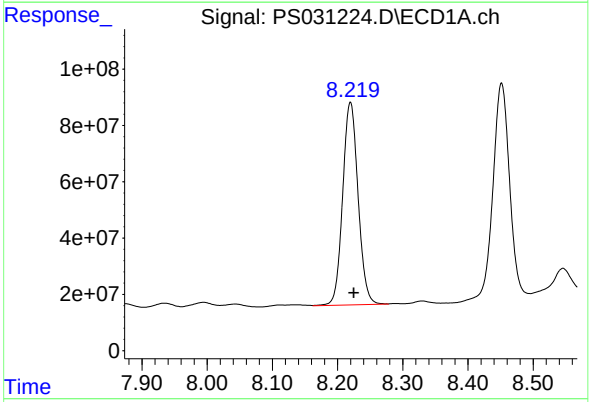


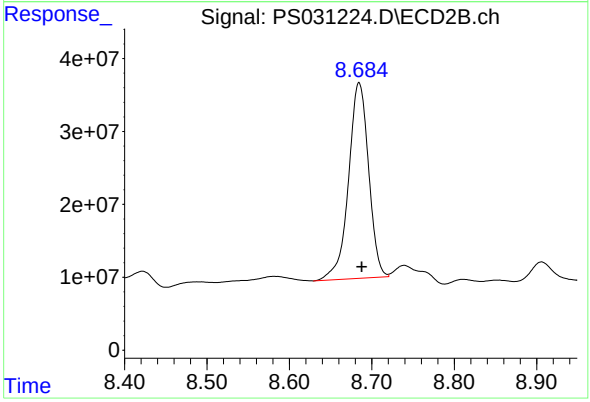
#7 MCPA

R.T.: 8.310 min
Delta R.T.: -0.006 min
Response: 59176547
Conc: 18.76 ug/ml



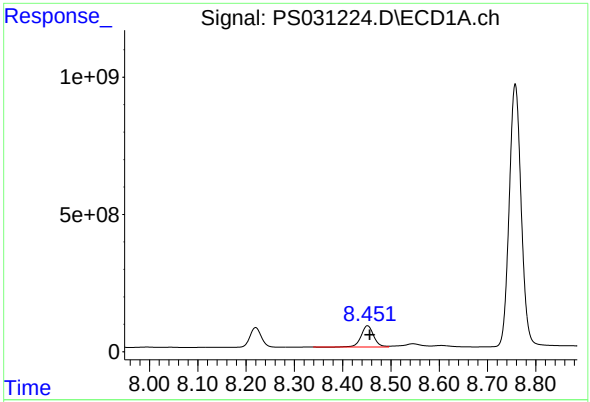
#8 DICHLORPROP

R.T.: 8.220 min
Delta R.T.: -0.005 min
Response: 1181119344
Conc: 309.04 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 453999145
Conc: 299.70 ng/ml



#9 2,4-D

R.T.: 8.451 min
Delta R.T.: -0.005 min
Response: 1398452509
Conc: 374.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
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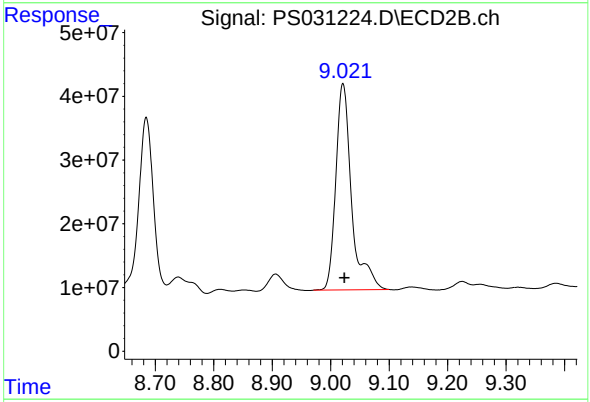
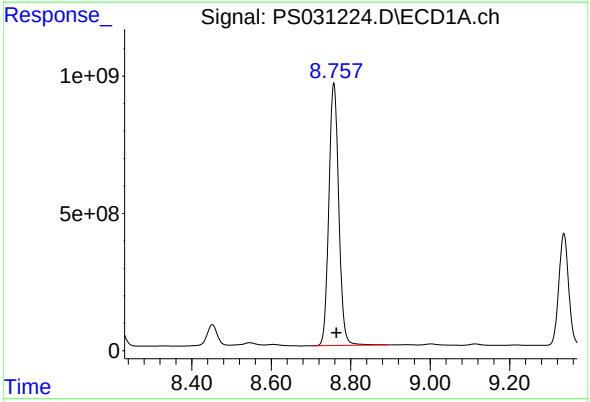


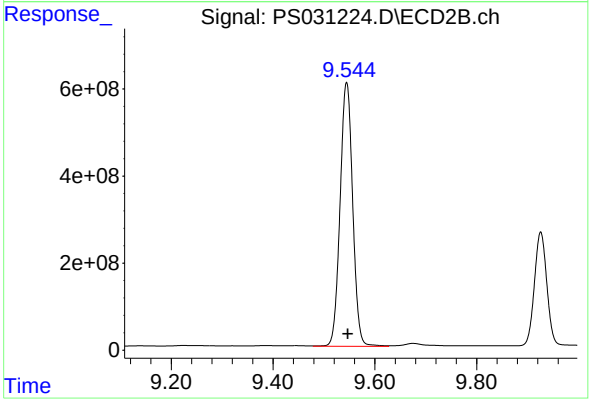
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 608358503
Conc: 358.21 ng/ml



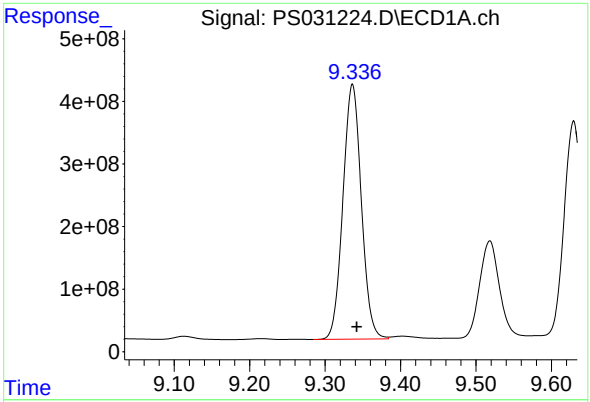
#10 Pentachlorophenol

R.T.: 8.757 min
Delta R.T.: -0.006 min
Response: 16524577795
Conc: 302.53 ng/ml



#10 Pentachlorophenol

R.T.: 9.545 min
Delta R.T.: -0.003 min
Response: 10431447789
Conc: 266.92 ng/ml



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

R.T.: 9.336 min
Delta R.T.: -0.006 min
Response: 6903081477
Conc: 314.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
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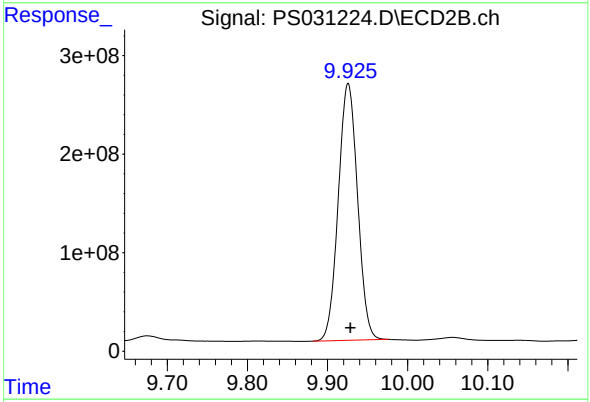
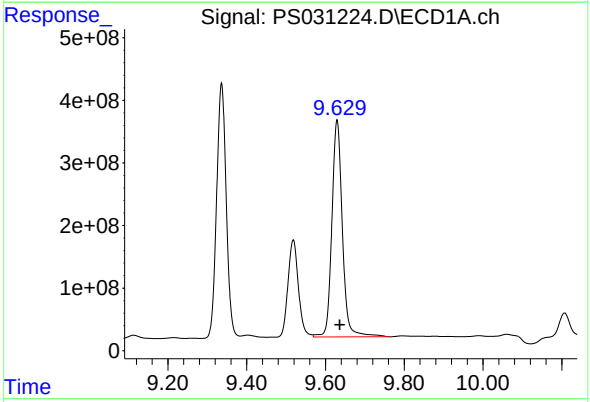


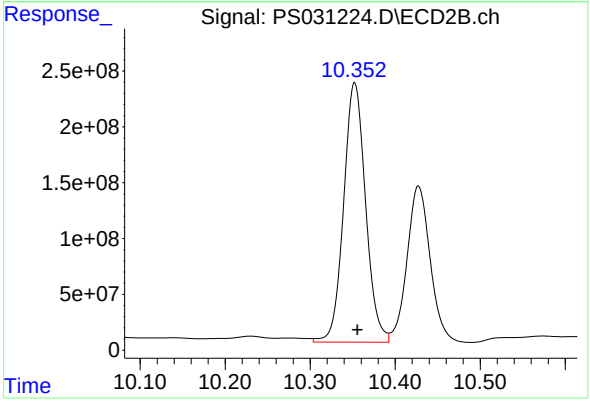
#11 2,4,5-TP (SILVEX)

R.T.: 9.925 min
Delta R.T.: -0.003 min
Response: 4354964782
Conc: 292.39 ng/ml m



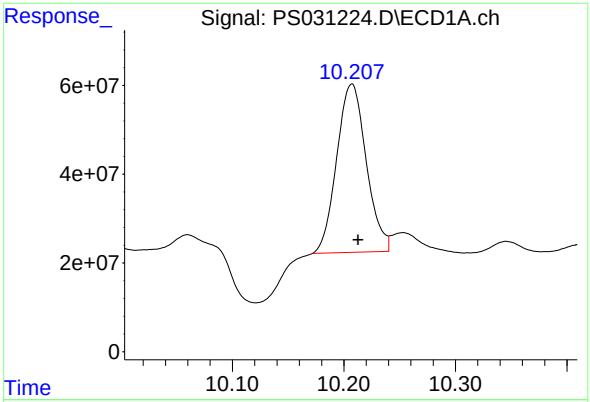
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 6419145503
Conc: 328.72 ng/ml



#12 2,4,5-T

R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 4171511784
Conc: 293.37 ng/ml



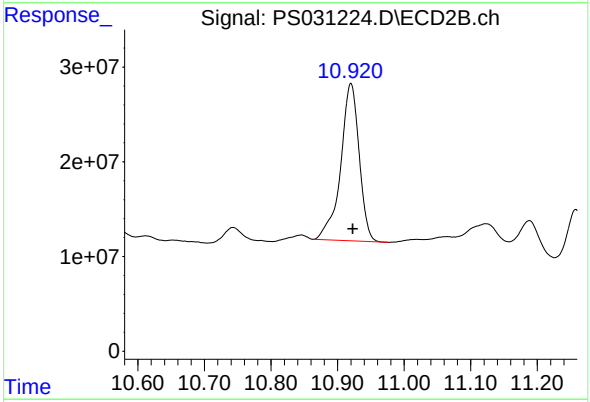
#13 2,4-DB

R.T.: 10.207 min
Delta R.T.: -0.005 min
Response: 699953288
Conc: 234.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

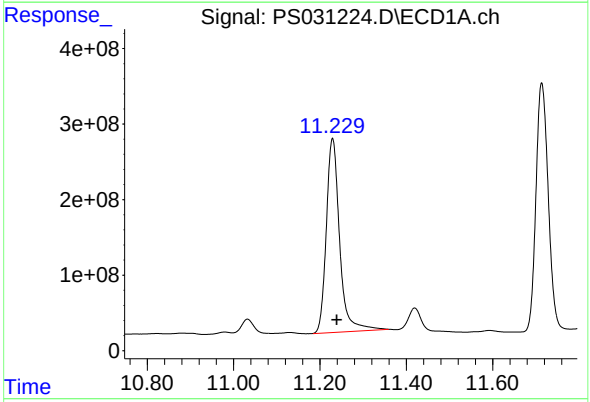
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



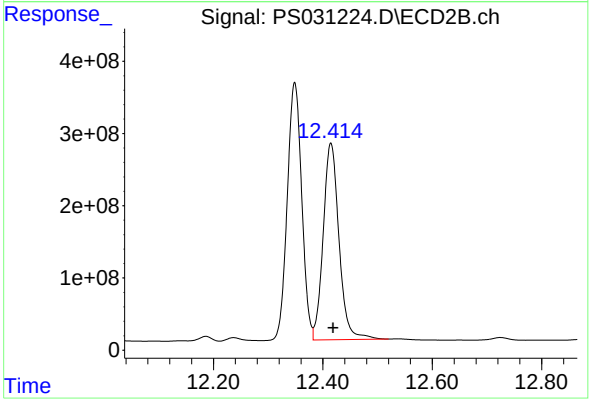
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 320874457
Conc: 274.13 ng/ml



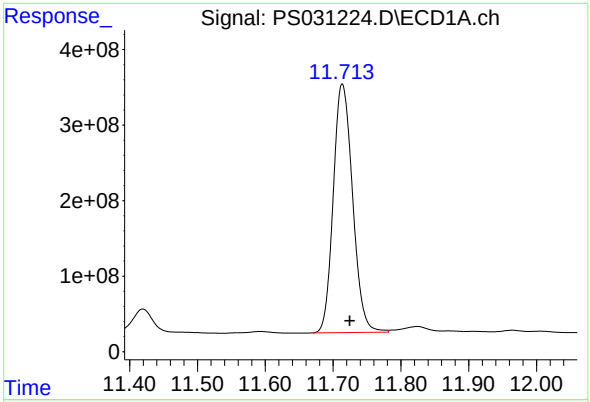
#15 Picloram

R.T.: 11.229 min
Delta R.T.: -0.010 min
Response: 5499282633
Conc: 274.87 ng/ml m



#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 5459960837
Conc: 219.32 ng/ml



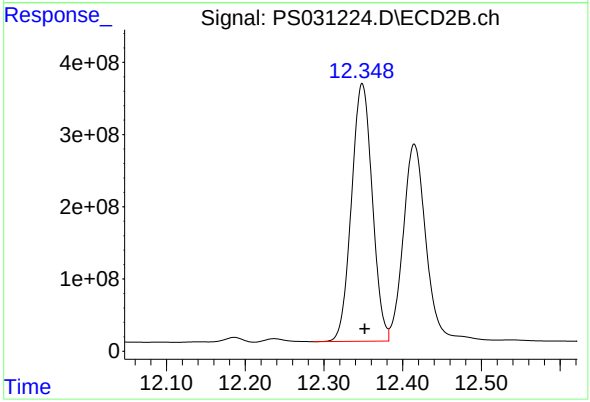
#16 DCPA

R.T.: 11.714 min
Delta R.T.: -0.011 min
Response: 6525345838
Conc: 227.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 6541661099
Conc: 283.98 ng/ml

Raw Data: **PS031225.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725MSD	SDG No.:	Q2638
Lab Sample ID:	Q2638-11MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81.9 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031225.D	1	07/22/25 09:05	07/24/25 14:38	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	108		9.40	40.2	81.6	ug/Kg
75-99-0	DALAPON	190	P	21.3	60.9	81.6	ug/Kg
120-36-5	DICHLORPROP	119		15.6	40.2	81.6	ug/Kg
94-75-7	2,4-D	152		11.0	40.2	81.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	123		11.0	40.2	81.6	ug/Kg
93-76-5	2,4,5-T	127		10.6	40.2	81.6	ug/Kg
94-82-6	2,4-DB	105		29.5	40.2	81.6	ug/Kg
88-85-7	DINOSEB	40.2	U	13.2	40.2	81.6	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	289		27 - 122		58%	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

Sample Results: **PS031225.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:38
Operator : AR\AJ
Sample : Q2638-11MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.321	7.763	1182.7E6	293.5E6	272.000	289.212
	Target Compounds						
1) T	Dalapon	2.681	2.697	929.2E6	1329.1E6	148.125m	468.524m#
2) T	3,5-DICHL...	6.484	6.710	1601.7E6	432.1E6	290.027	280.572
3) T	4-Nitroph...	7.121	7.297	401.7E6	405.8E6	243.642	224.262
5) T	DICAMBA	7.510	7.965	4385.7E6	1684.4E6	265.846	261.004
6) T	MCPP	7.690	8.062	228.4E6	43782966	22.816	21.072
7) T	MCPA	7.838	8.309	313.5E6	61286173	25.055	19.424
8) T	DICHLORPROP	8.221	8.684	1120.5E6	435.1E6	293.162	287.228
9) T	2,4-D	8.453	9.020	1400.6E6	523.8E6	375.005	308.450m
10) T	Pentachlo...	8.759	9.544	15735.7E6	9959.1E6	288.085	254.830
11) T	2,4,5-TP ...	9.338	9.925	6625.4E6	4213.6E6	301.793	282.906m
12) T	2,4,5-T	9.632	10.353	6100.6E6	3953.0E6	312.406	277.997
13) T	2,4-DB	10.208	10.920	659.6E6	302.0E6	220.617m	257.968
15) T	Picloram	11.232	12.415	5206.9E6	5024.0E6	260.260	201.807
16) T	DCPA	11.716	12.348	6191.0E6	6094.3E6	215.762	264.557m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:38
Operator : AR\AJ
Sample : Q2638-11MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

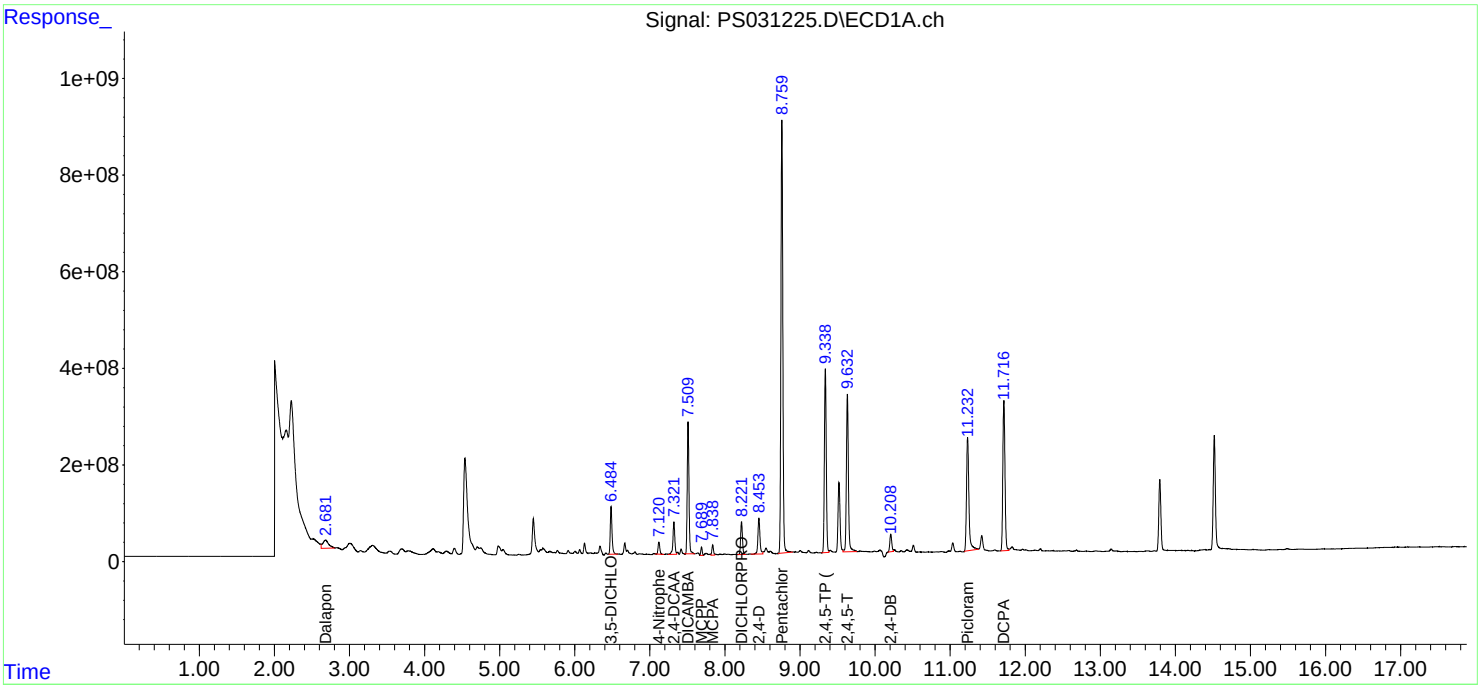
Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

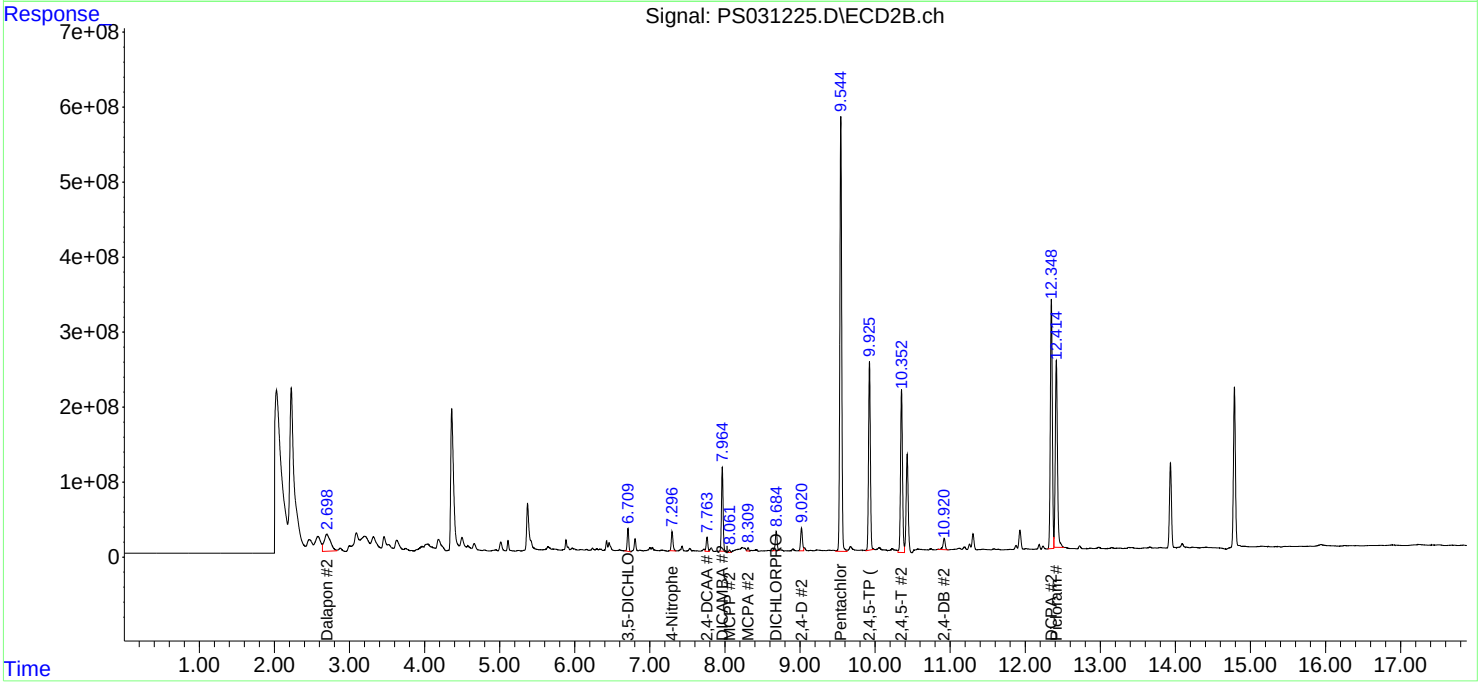
Manual Integrations APPROVED

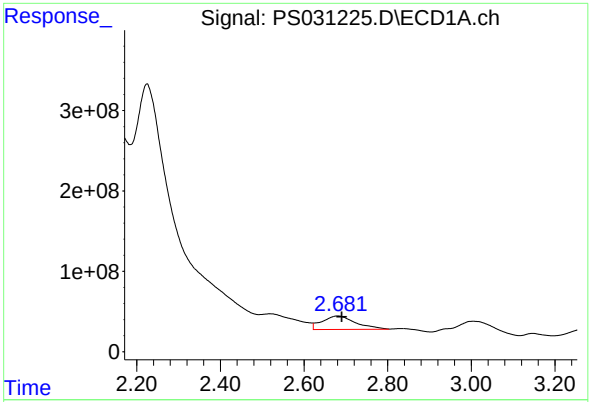
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Dalapon

R.T.: 2.681 min
Delta R.T.: -0.009 min
Response: 929172420
Conc: 148.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Manual Integrations APPROVED

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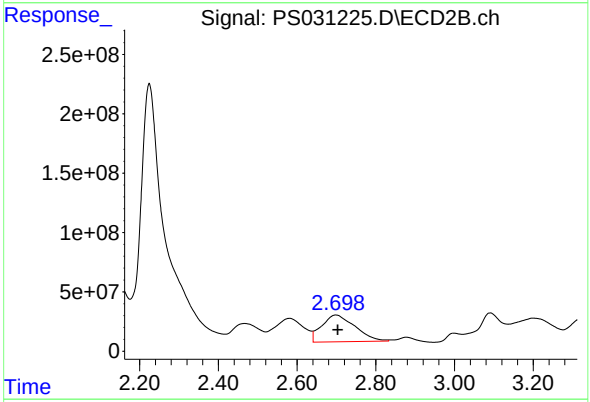
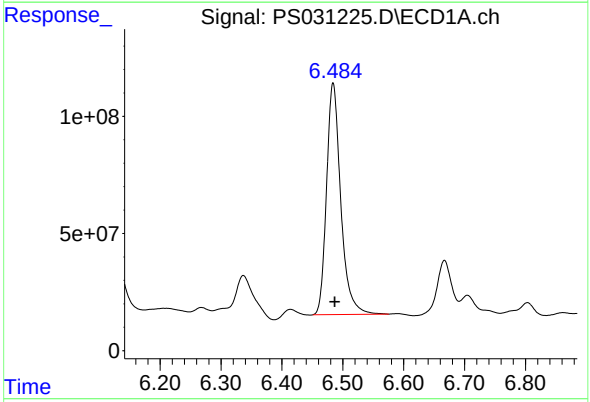
Supervised By :mohammad ahmed 07/26/2025



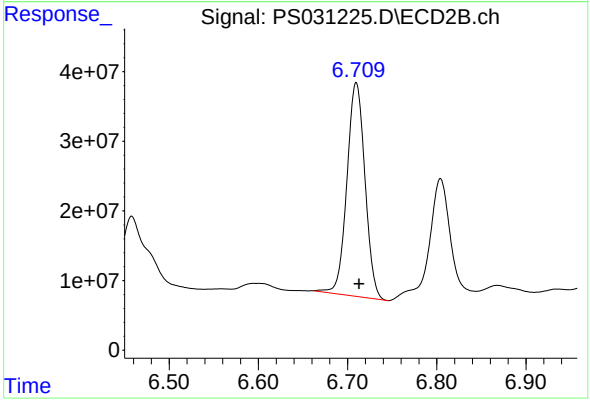
#1 Dalapon

R.T.: 2.697 min
Delta R.T.: -0.006 min
Response: 1329081159
Conc: 468.52 ng/ml m



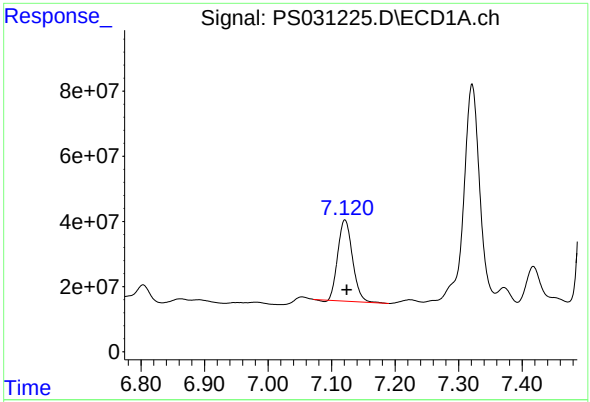
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 1601749499
Conc: 290.03 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.710 min
Delta R.T.: -0.003 min
Response: 432050693
Conc: 280.57 ng/ml



#3 4-Nitrophenol

R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 401714088
Conc: 243.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Manual Integrations APPROVED

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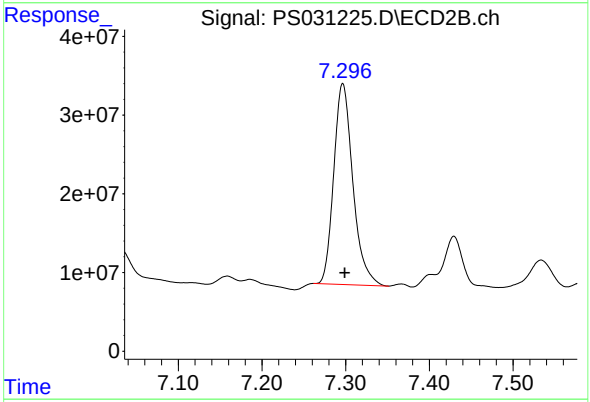
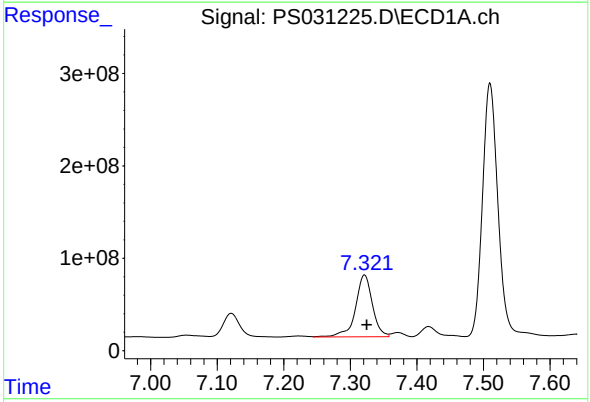
Supervised By :mohammad ahmed 07/26/2025



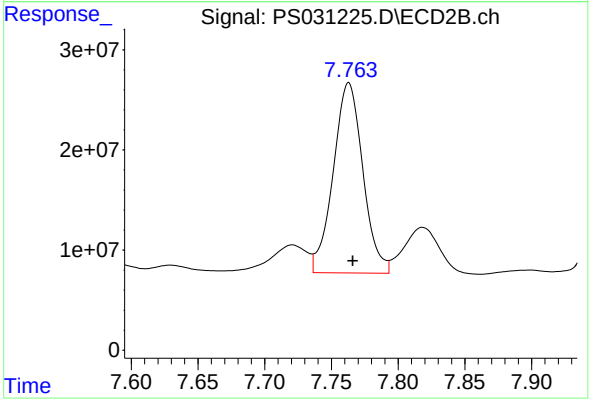
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 405761384
Conc: 224.26 ng/ml



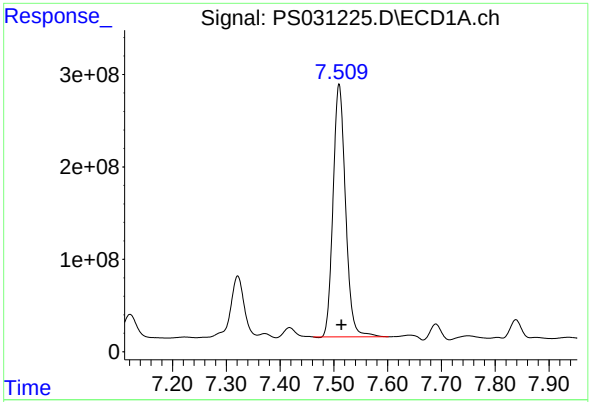
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 1182723721
Conc: 272.00 ng/ml



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 293540872
Conc: 289.21 ng/ml



#5 DICAMBA

R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 4385656062
Conc: 265.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Manual Integrations APPROVED

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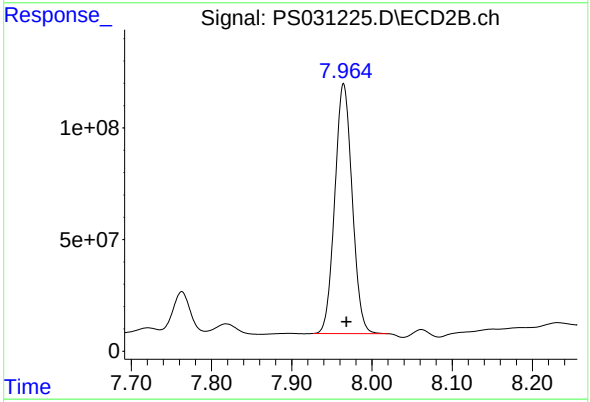
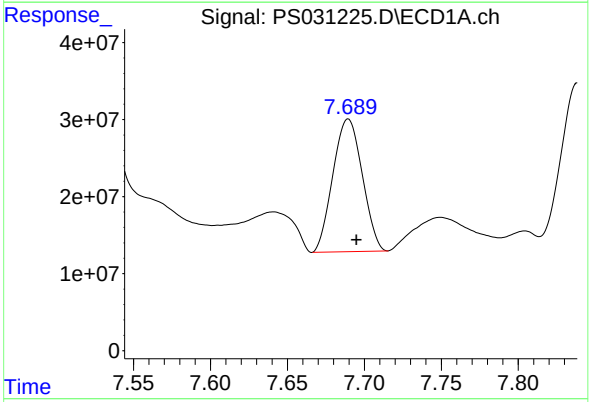


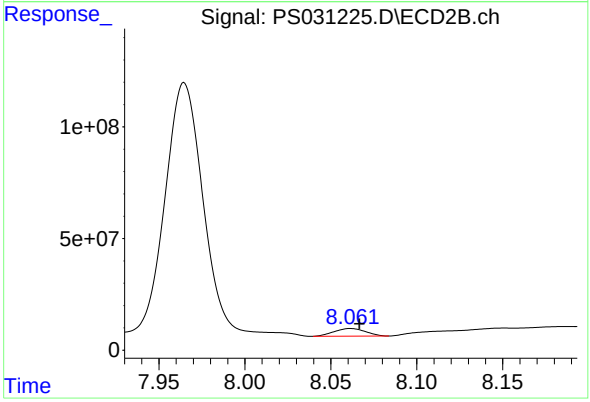
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: -0.003 min
Response: 1684355051
Conc: 261.00 ng/ml



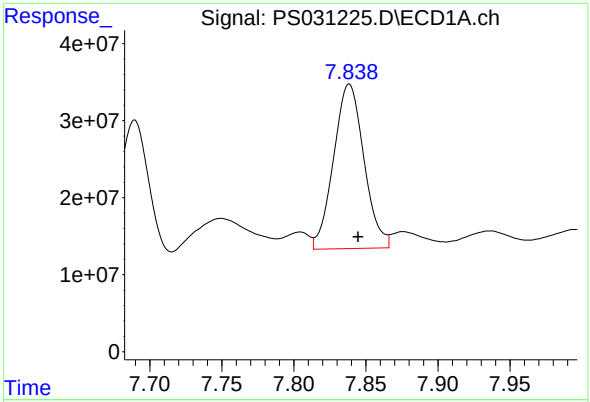
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.005 min
Response: 228389997
Conc: 22.82 ug/ml



#6 MCPP

R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 43782966
Conc: 21.07 ug/ml



#7 MCPA

R.T.: 7.838 min
Delta R.T.: -0.006 min
Response: 313549621
Conc: 25.06 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Manual Integrations APPROVED

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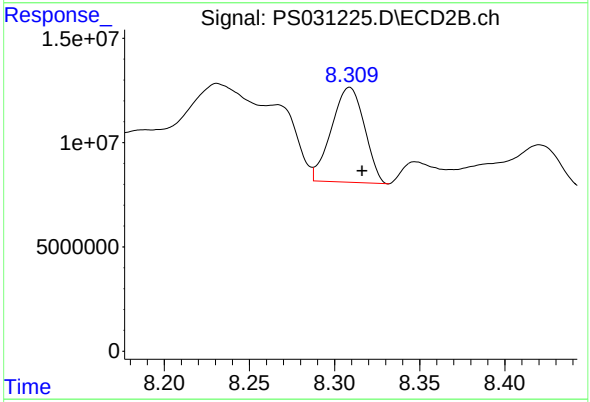
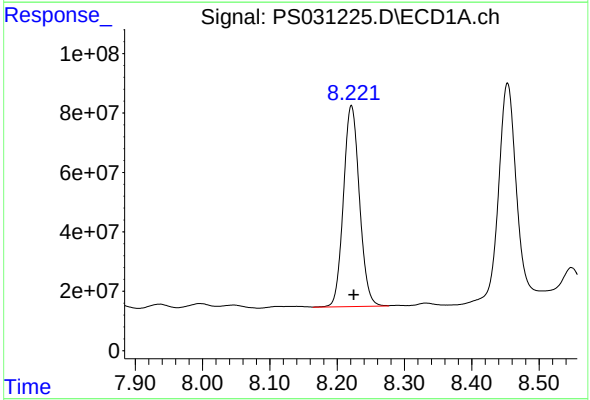


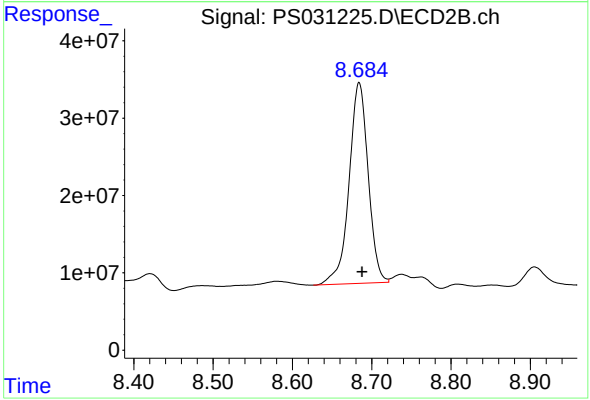
#7 MCPA

R.T.: 8.309 min
Delta R.T.: -0.008 min
Response: 61286173
Conc: 19.42 ug/ml



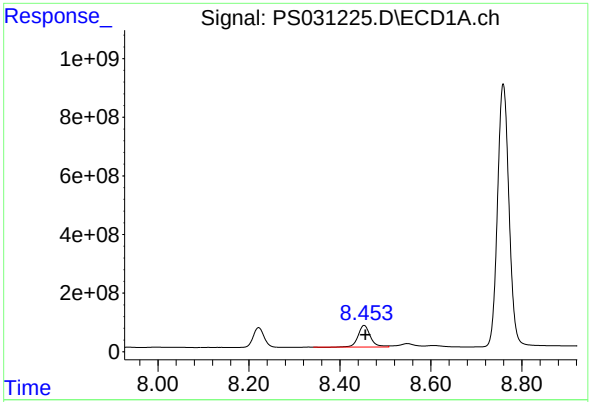
#8 DICHLORPROP

R.T.: 8.221 min
Delta R.T.: -0.003 min
Response: 1120450848
Conc: 293.16 ng/ml



#8 DICHLORPROP

R.T.: 8.684 min
Delta R.T.: -0.003 min
Response: 435109799
Conc: 287.23 ng/ml



#9 2,4-D

R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 1400610972
Conc: 375.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Manual Integrations APPROVED

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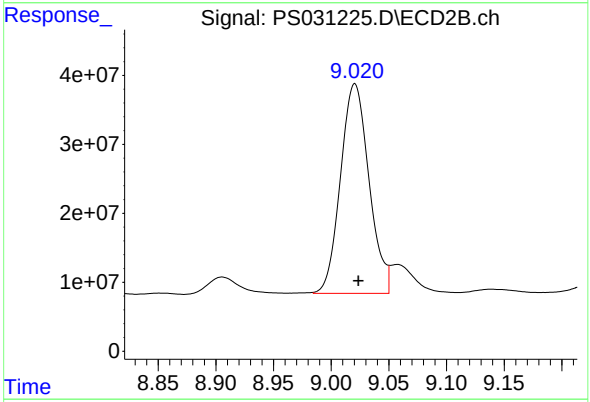
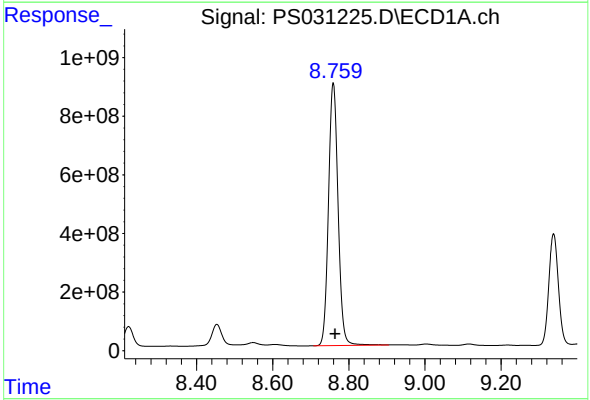


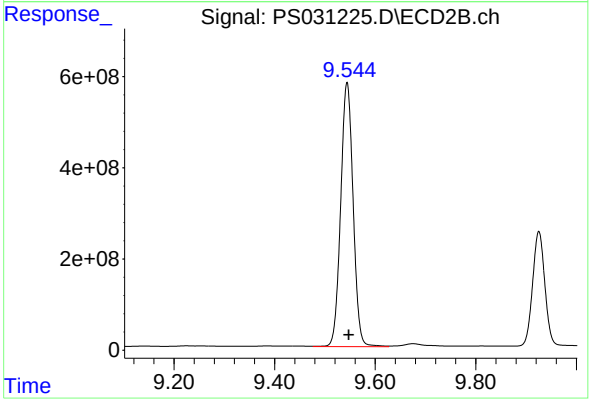
#9 2,4-D

R.T.: 9.020 min
Delta R.T.: -0.004 min
Response: 523846009
Conc: 308.45 ng/ml m



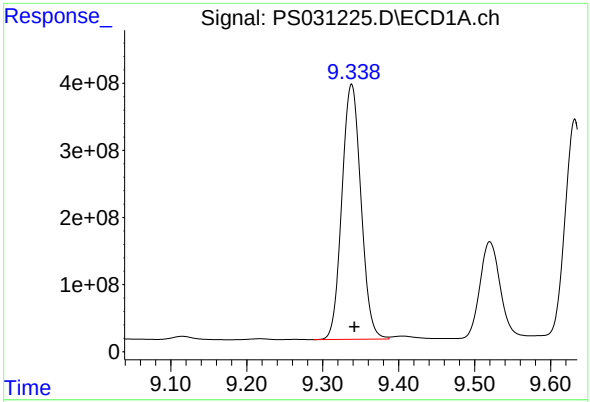
#10 Pentachlorophenol

R.T.: 8.759 min
Delta R.T.: -0.005 min
Response: 15735660963
Conc: 288.09 ng/ml



#10 Pentachlorophenol

R.T.: 9.544 min
Delta R.T.: -0.003 min
Response: 9959080367
Conc: 254.83 ng/ml



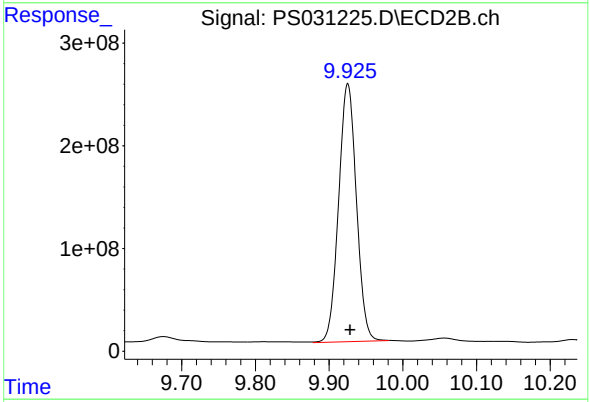
#11 2,4,5-TP (SILVEX)

R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 6625438369
Conc: 301.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

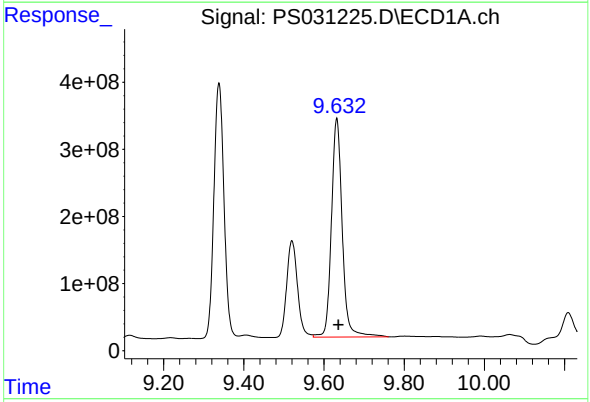
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



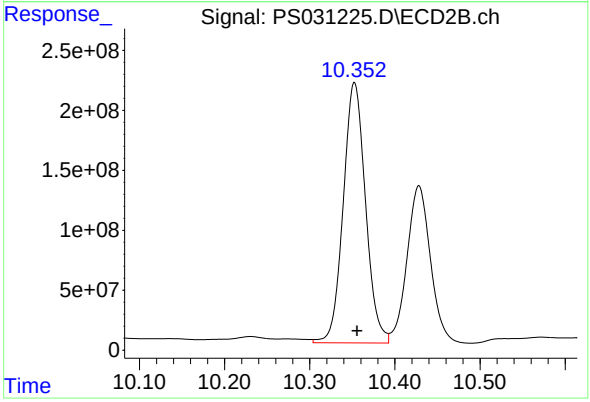
#11 2,4,5-TP (SILVEX)

R.T.: 9.925 min
Delta R.T.: -0.004 min
Response: 4213648630
Conc: 282.91 ng/ml m



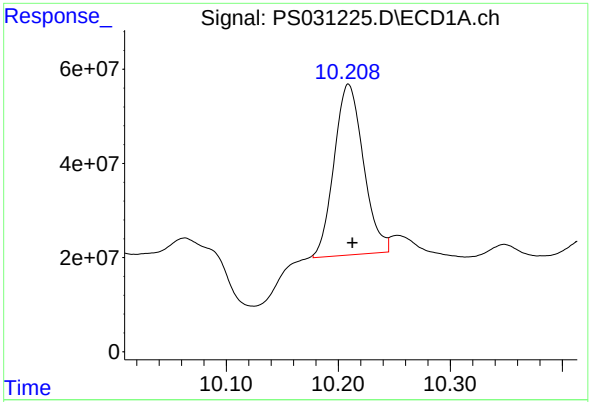
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 6100607360
Conc: 312.41 ng/ml



#12 2,4,5-T

R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 3952961348
Conc: 278.00 ng/ml



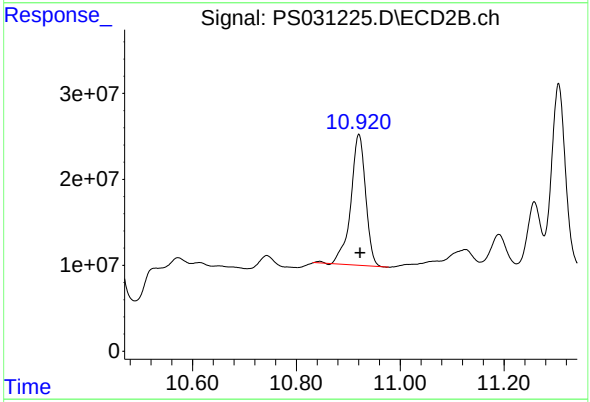
#13 2,4-DB

R.T.: 10.208 min
Delta R.T.: -0.004 min
Response: 659619267
Conc: 220.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

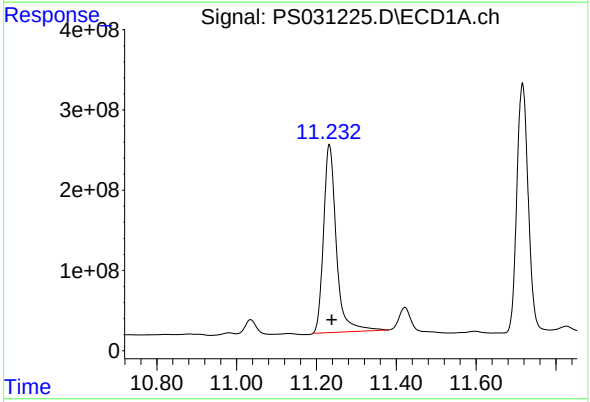
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



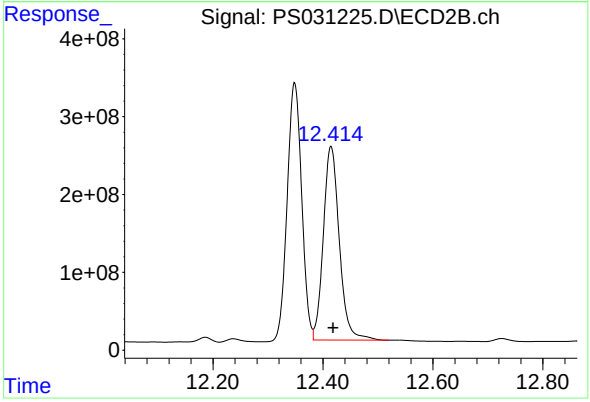
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.002 min
Response: 301954502
Conc: 257.97 ng/ml



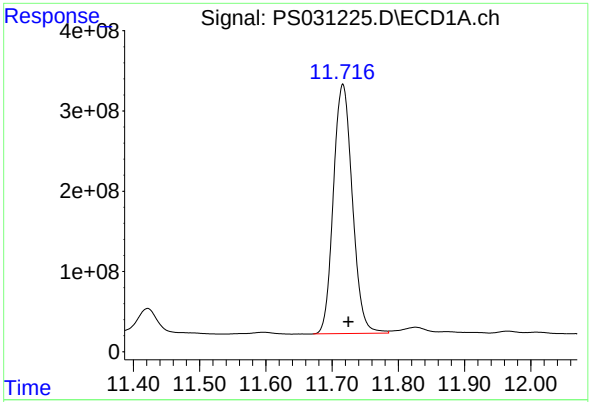
#15 Picloram

R.T.: 11.232 min
Delta R.T.: -0.007 min
Response: 5206902688
Conc: 260.26 ng/ml



#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 5023983370
Conc: 201.81 ng/ml



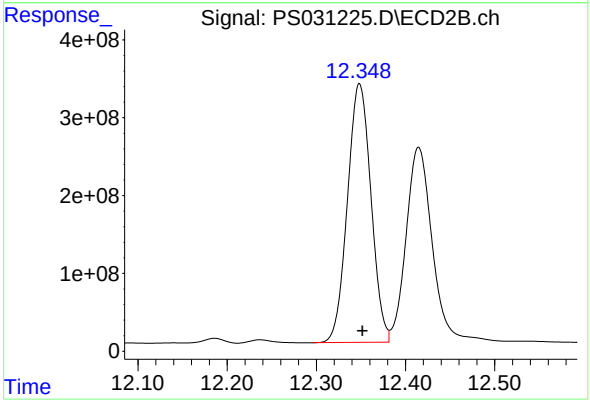
#16 DCPA

R.T.: 11.716 min
Delta R.T.: -0.008 min
Response: 6190964117
Conc: 215.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.004 min
Response: 6094344272
Conc: 264.56 ng/ml m

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Manual Integration Report

Sequence:	ps072125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC500	PS031158.D	2,4-DCAA	Abdul	7/22/2025 7:56:52 AM	mohammad	7/23/2025 1:33:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS072325	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031180.D	2,4-DCAA	Abdul	7/24/2025 8:39:20 AM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
PB168945BS	PS031182.D	2,4-DCAA	Abdul	7/24/2025 8:39:24 AM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031192.D	2,4-DB	Abdul	7/24/2025 5:47:49 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031192.D	DCPA #2	Abdul	7/24/2025 5:47:49 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031202.D	2,4-DB	Abdul	7/24/2025 5:47:51 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031202.D	DCPA #2	Abdul	7/24/2025 5:47:51 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031202.D	DINOSEB	Abdul	7/24/2025 5:47:51 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031210.D	2,4-DB	Abdul	7/24/2025 5:47:54 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031210.D	DCPA #2	Abdul	7/24/2025 5:47:54 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031210.D	DINOSEB	Abdul	7/24/2025 5:47:54 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031219.D	2,4-DB	Abdul	7/24/2025 5:47:57 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031219.D	DCPA #2	Abdul	7/24/2025 5:47:57 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031219.D	DINOSEB	Abdul	7/24/2025 5:47:57 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS072325	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031219.D	Picloram	Abdul	7/24/2025 5:47:57 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps072425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031222.D	2,4-D	yogesh	7/25/2025 8:14:31 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031222.D	2,4-DB	yogesh	7/25/2025 8:14:31 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031222.D	2,4-DCAA	yogesh	7/25/2025 8:14:31 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
Q2638-11MS	PS031224.D	2,4,5-TP (SILVEX) #2	yogesh	7/25/2025 8:14:33 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
Q2638-11MS	PS031224.D	2,4-DB	yogesh	7/25/2025 8:14:33 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
Q2638-11MS	PS031224.D	Dalapon	yogesh	7/25/2025 8:14:33 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
Q2638-11MS	PS031224.D	Dalapon #2	yogesh	7/25/2025 8:14:33 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
Q2638-11MS	PS031224.D	Picloram	yogesh	7/25/2025 8:14:33 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
Q2638-11MSD	PS031225.D	2,4,5-TP (SILVEX) #2	yogesh	7/25/2025 8:14:35 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
Q2638-11MSD	PS031225.D	2,4-D #2	yogesh	7/25/2025 8:14:35 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
Q2638-11MSD	PS031225.D	2,4-DB	yogesh	7/25/2025 8:14:35 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
Q2638-11MSD	PS031225.D	Dalapon	yogesh	7/25/2025 8:14:35 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
Q2638-11MSD	PS031225.D	Dalapon #2	yogesh	7/25/2025 8:14:35 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps072425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2638-11MSD	PS031225.D	DCPA #2	yogesh	7/25/2025 8:14:35 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
Q2638-13	PS031228.D	2,4-DCAA #2	yogesh	7/25/2025 8:14:41 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031233.D	DCPA #2	yogesh	7/25/2025 8:14:42 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031233.D	DINOSEB	yogesh	7/25/2025 8:14:42 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031233.D	Pentachlorophenol	yogesh	7/25/2025 8:14:42 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031233.D	Picloram	yogesh	7/25/2025 8:14:42 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031243.D	DCPA #2	yogesh	7/25/2025 8:14:52 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031243.D	DINOSEB	yogesh	7/25/2025 8:14:52 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031243.D	Pentachlorophenol	yogesh	7/25/2025 8:14:52 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031243.D	Picloram	yogesh	7/25/2025 8:14:52 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031252.D	DCPA #2	yogesh	7/25/2025 8:14:58 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031252.D	DINOSEB	yogesh	7/25/2025 8:14:58 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031252.D	Pentachlorophenol	yogesh	7/25/2025 8:14:58 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps072425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031252.D	Picloram	yogesh	7/25/2025 8:14:58 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031260.D	2,4,5-TP (SILVEX) #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031260.D	2,4-D	yogesh	7/25/2025 9:35:16 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031260.D	3,5-DICHLOROBENZOIC ACID	yogesh	7/25/2025 9:35:16 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031260.D	Dalapon #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031260.D	DICHLORPROP	yogesh	7/25/2025 9:35:16 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031260.D	DICHLORPROP #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software
HSTDCCC750	PS031260.D	MCPP #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/25/2025 11:40:47	Peak Integrated by Software

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072125

Review By	Abdul	Review On	7/22/2025 7:57:36 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:13 AM		
SubDirectory	PS072125	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031155.D	21 Jul 2025 14:14	AR\AJ	Ok
2	I.BLK	PS031156.D	21 Jul 2025 14:38	AR\AJ	Ok
3	HSTDICC200	PS031157.D	21 Jul 2025 15:02	AR\AJ	Ok
4	HSTDICC500	PS031158.D	21 Jul 2025 15:26	AR\AJ	Ok,M
5	HSTDICC750	PS031159.D	21 Jul 2025 15:51	AR\AJ	Ok
6	HSTDICC1000	PS031160.D	21 Jul 2025 16:15	AR\AJ	Ok
7	HSTDICC1500	PS031161.D	21 Jul 2025 16:39	AR\AJ	Ok
8	HSTDICV750	PS031162.D	21 Jul 2025 17:03	AR\AJ	Ok
9	I.BLK	PS031163.D	21 Jul 2025 17:27	AR\AJ	Ok
10	HSTDCCC750	PS031164.D	21 Jul 2025 17:51	AR\AJ	Ok
11	Q2529-10	PS031165.D	21 Jul 2025 18:15	AR\AJ	Not Ok
12	Q2529-10MS	PS031166.D	21 Jul 2025 18:40	AR\AJ	Not Ok
13	Q2529-10MSD	PS031167.D	21 Jul 2025 19:04	AR\AJ	Not Ok
14	PB168886BS	PS031168.D	21 Jul 2025 19:28	AR\AJ	Ok
15	I.BLK	PS031169.D	21 Jul 2025 19:52	AR\AJ	Ok
16	HSTDCCC750	PS031170.D	21 Jul 2025 20:16	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072325

Review By	Abdul	Review On	7/24/2025 8:40:59 AM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:24 AM		
SubDirectory	PS072325	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031178.D	23 Jul 2025 09:02	AR\AJ	Ok
2	I.BLK	PS031179.D	23 Jul 2025 09:26	AR\AJ	Ok
3	HSTDCCC750	PS031180.D	23 Jul 2025 09:50	AR\AJ	Ok,M
4	PB168945BL	PS031181.D	23 Jul 2025 10:33	AR\AJ	Ok
5	PB168945BS	PS031182.D	23 Jul 2025 10:57	AR\AJ	Ok,M
6	Q2638-01	PS031183.D	23 Jul 2025 11:21	AR\AJ	Ok
7	Q2638-03	PS031184.D	23 Jul 2025 11:45	AR\AJ	Ok
8	Q2638-05	PS031185.D	23 Jul 2025 12:09	AR\AJ	Not Ok
9	Q2638-07	PS031186.D	23 Jul 2025 12:34	AR\AJ	Not Ok
10	Q2638-09	PS031187.D	23 Jul 2025 12:58	AR\AJ	Ok
11	Q2638-11	PS031188.D	23 Jul 2025 13:22	AR\AJ	Not Ok
12	Q2638-11MS	PS031189.D	23 Jul 2025 13:50	AR\AJ	Not Ok
13	Q2638-11MSD	PS031190.D	23 Jul 2025 14:14	AR\AJ	Not Ok
14	I.BLK	PS031191.D	23 Jul 2025 14:38	AR\AJ	Ok
15	HSTDCCC750	PS031192.D	23 Jul 2025 15:03	AR\AJ	Ok,M
16	Q2558-01MS RE	PS031193.D	23 Jul 2025 15:27	AR\AJ	Not Ok
17	Q2558-01MSD RE	PS031194.D	23 Jul 2025 16:01	AR\AJ	Not Ok
18	PB168872BS	PS031195.D	23 Jul 2025 16:25	AR\AJ	Ok,M
19	Q2638-13	PS031196.D	23 Jul 2025 16:49	AR\AJ	Not Ok
20	Q2633-02	PS031197.D	23 Jul 2025 17:14	AR\AJ	Ok
21	PB168973BL	PS031198.D	23 Jul 2025 17:38	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072325

Review By	Abdul	Review On	7/24/2025 8:40:59 AM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:24 AM		
SubDirectory	PS072325	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168973BS	PS031199.D	23 Jul 2025 18:02	AR\AJ	Ok,M
23	PB168973BSD	PS031200.D	23 Jul 2025 18:26	AR\AJ	Ok,M
24	I.BLK	PS031201.D	23 Jul 2025 18:50	AR\AJ	Ok
25	HSTDCCC750	PS031202.D	23 Jul 2025 19:14	AR\AJ	Ok,M
26	Q2649-01	PS031203.D	23 Jul 2025 19:38	AR\AJ	Ok
27	Q2649-05	PS031204.D	23 Jul 2025 20:02	AR\AJ	Ok
28	Q2649-09	PS031205.D	23 Jul 2025 20:27	AR\AJ	Ok
29	Q2649-13	PS031206.D	23 Jul 2025 20:51	AR\AJ	Ok
30	Q2649-17	PS031207.D	23 Jul 2025 21:15	AR\AJ	Ok
31	Q2649-21	PS031208.D	23 Jul 2025 21:39	AR\AJ	Ok
32	I.BLK	PS031209.D	23 Jul 2025 22:03	AR\AJ	Ok
33	HSTDCCC750	PS031210.D	23 Jul 2025 22:27	AR\AJ	Ok,M
34	Q2639-01	PS031211.D	23 Jul 2025 22:52	AR\AJ	ReRun
35	Q2639-03	PS031212.D	23 Jul 2025 23:16	AR\AJ	Not Ok
36	Q2639-05	PS031213.D	23 Jul 2025 23:40	AR\AJ	Not Ok
37	Q2639-07	PS031214.D	24 Jul 2025 00:04	AR\AJ	Ok,M
38	Q2639-09	PS031215.D	24 Jul 2025 00:28	AR\AJ	Not Ok
39	Q2639-11	PS031216.D	24 Jul 2025 00:52	AR\AJ	Not Ok
40	Q2639-13	PS031217.D	24 Jul 2025 01:17	AR\AJ	ReRun
41	I.BLK	PS031218.D	24 Jul 2025 01:41	AR\AJ	Ok
42	HSTDCCC750	PS031219.D	24 Jul 2025 02:05	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/25/2025 11:40:47 PM		
SubDirectory	PS072425	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031220.D	24 Jul 2025 10:10	AR\AJ	Ok
2	I.BLK	PS031221.D	24 Jul 2025 10:35	AR\AJ	Ok
3	HSTDCCC750	PS031222.D	24 Jul 2025 12:03	AR\AJ	Ok,M
4	Q2638-11	PS031223.D	24 Jul 2025 13:44	AR\AJ	Ok
5	Q2638-11MS	PS031224.D	24 Jul 2025 14:08	AR\AJ	Ok,M
6	Q2638-11MSD	PS031225.D	24 Jul 2025 14:38	AR\AJ	Ok,M
7	Q2558-01MS	PS031226.D	24 Jul 2025 15:02	AR\AJ	Ok,M
8	Q2558-01MSD	PS031227.D	24 Jul 2025 15:26	AR\AJ	Ok,M
9	Q2638-13	PS031228.D	24 Jul 2025 15:50	AR\AJ	Ok,M
10	Q2638-05	PS031229.D	24 Jul 2025 16:14	AR\AJ	Ok
11	Q2638-07	PS031230.D	24 Jul 2025 16:39	AR\AJ	Ok
12	Q2641-02	PS031231.D	24 Jul 2025 17:03	AR\AJ	Ok
13	I.BLK	PS031232.D	24 Jul 2025 17:27	AR\AJ	Ok
14	HSTDCCC750	PS031233.D	24 Jul 2025 18:39	AR\AJ	Ok,M
15	Q2641-02MS	PS031234.D	24 Jul 2025 19:04	AR\AJ	Ok,M
16	Q2641-02MSD	PS031235.D	24 Jul 2025 19:28	AR\AJ	Ok,M
17	PB169001BL	PS031236.D	24 Jul 2025 19:52	AR\AJ	Ok
18	PB169001BS	PS031237.D	24 Jul 2025 20:16	AR\AJ	Ok,M
19	PB168919TB	PS031238.D	24 Jul 2025 20:40	AR\AJ	Ok
20	PB168926TB	PS031239.D	24 Jul 2025 21:04	AR\AJ	Ok
21	PB168953TB	PS031240.D	24 Jul 2025 21:29	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/25/2025 11:40:47 PM		
SubDirectory	PS072425	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168969TB	PS031241.D	24 Jul 2025 21:53	AR\AJ	Ok
23	I.BLK	PS031242.D	24 Jul 2025 22:17	AR\AJ	Ok
24	HSTDCCC750	PS031243.D	24 Jul 2025 23:29	AR\AJ	Ok,M
25	Q2481-12	PS031244.D	24 Jul 2025 23:53	AR\AJ	Not Ok
26	Q2481-15	PS031245.D	25 Jul 2025 00:17	AR\AJ	Ok,M
27	Q2667-01	PS031246.D	25 Jul 2025 00:41	AR\AJ	Ok
28	Q2667-02	PS031247.D	25 Jul 2025 01:05	AR\AJ	Ok
29	Q2481-19	PS031248.D	25 Jul 2025 01:29	AR\AJ	Not Ok
30	Q2481-21	PS031249.D	25 Jul 2025 01:53	AR\AJ	Not Ok
31	Q2446-03	PS031250.D	25 Jul 2025 02:18	AR\AJ	Not Ok
32	I.BLK	PS031251.D	25 Jul 2025 02:42	AR\AJ	Ok
33	HSTDCCC750	PS031252.D	25 Jul 2025 03:54	AR\AJ	Ok,M
34	Q2481-13	PS031253.D	25 Jul 2025 04:18	AR\AJ	Not Ok
35	Q2481-14	PS031254.D	25 Jul 2025 04:43	AR\AJ	Not Ok
36	Q2481-16	PS031255.D	25 Jul 2025 05:07	AR\AJ	Not Ok
37	Q2481-17	PS031256.D	25 Jul 2025 05:31	AR\AJ	Not Ok
38	Q2481-18	PS031257.D	25 Jul 2025 05:55	AR\AJ	Not Ok
39	Q2481-20	PS031258.D	25 Jul 2025 06:19	AR\AJ	Not Ok
40	I.BLK	PS031259.D	25 Jul 2025 06:43	AR\AJ	Not Ok
41	HSTDCCC750	PS031260.D	25 Jul 2025 07:07	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072125

Review By	Abdul	Review On	7/22/2025 7:57:36 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:13 AM		
SubDirectory	PS072125	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031155.D	21 Jul 2025 14:14		AR\AJ	Ok
2	I.BLK	I.BLK	PS031156.D	21 Jul 2025 14:38		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031157.D	21 Jul 2025 15:02		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS031158.D	21 Jul 2025 15:26		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS031159.D	21 Jul 2025 15:51		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031160.D	21 Jul 2025 16:15		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS031161.D	21 Jul 2025 16:39		AR\AJ	Ok
8	HSTDICV750	ICVPS072125	PS031162.D	21 Jul 2025 17:03		AR\AJ	Ok
9	I.BLK	I.BLK	PS031163.D	21 Jul 2025 17:27		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS031164.D	21 Jul 2025 17:51		AR\AJ	Ok
11	Q2529-10	TP-30	PS031165.D	21 Jul 2025 18:15	already analyzed	AR\AJ	Not Ok
12	Q2529-10MS	TP-30MS	PS031166.D	21 Jul 2025 18:40	some compound recovery fail ,already analyzed	AR\AJ	Not Ok
13	Q2529-10MSD	TP-30MSD	PS031167.D	21 Jul 2025 19:04	some compound recovery fail , RPD fail,already analyzed	AR\AJ	Not Ok
14	PB168886BS	PB168886BS	PS031168.D	21 Jul 2025 19:28		AR\AJ	Ok
15	I.BLK	I.BLK	PS031169.D	21 Jul 2025 19:52		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS031170.D	21 Jul 2025 20:16		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072325

Review By	Abdul	Review On	7/24/2025 8:40:59 AM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:24 AM		
SubDirectory	PS072325	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031178.D	23 Jul 2025 09:02		AR\AJ	Ok
2	I.BLK	I.BLK	PS031179.D	23 Jul 2025 09:26		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031180.D	23 Jul 2025 09:50		AR\AJ	Ok,M
4	PB168945BL	PB168945BL	PS031181.D	23 Jul 2025 10:33		AR\AJ	Ok
5	PB168945BS	PB168945BS	PS031182.D	23 Jul 2025 10:57		AR\AJ	Ok,M
6	Q2638-01	OU4-TS-31-071725	PS031183.D	23 Jul 2025 11:21		AR\AJ	Ok
7	Q2638-03	OU4-TS-32-071725	PS031184.D	23 Jul 2025 11:45		AR\AJ	Ok
8	Q2638-05	OU4-TS-33-071725	PS031185.D	23 Jul 2025 12:09	surrogate low in 1st column	AR\AJ	Not Ok
9	Q2638-07	OU4-TS-34-071725	PS031186.D	23 Jul 2025 12:34	surrogate low in 1st column	AR\AJ	Not Ok
10	Q2638-09	OU4-TS-35-071725	PS031187.D	23 Jul 2025 12:58		AR\AJ	Ok
11	Q2638-11	OU4-TS-36-071725	PS031188.D	23 Jul 2025 13:22	surrogate low in both column	AR\AJ	Not Ok
12	Q2638-11MS	OU4-TS-36-071725MS	PS031189.D	23 Jul 2025 13:50	surrogate low in both column, recovery fail for some compounds, COMP # 13 & 14 not detected	AR\AJ	Not Ok
13	Q2638-11MSD	OU4-TS-36-071725MS	PS031190.D	23 Jul 2025 14:14	surrogate low in both column, recovery & RPD fail for some compounds, COMP # 13 & 14 not detected	AR\AJ	Not Ok
14	I.BLK	I.BLK	PS031191.D	23 Jul 2025 14:38		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS031192.D	23 Jul 2025 15:03	comp #3,15 failing high in 1st column	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072325

Review By	Abdul	Review On	7/24/2025 8:40:59 AM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:24 AM		
SubDirectory	PS072325	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

16	Q2558-01MS RE	OU4-TS-Denali-070925	PS031193.D	23 Jul 2025 15:27	surrogate low in 1st column, recovery fail for most of compounds, comp # 13 high in ccal	AR\AJ	Not Ok
17	Q2558-01MSD RE	OU4-TS-Denali-070925	PS031194.D	23 Jul 2025 16:01	surrogate low in 1st column, recovery fail for most of compounds, comp # 13 high in ccal	AR\AJ	Not Ok
18	PB168872BS	PB168872BS	PS031195.D	23 Jul 2025 16:25		AR\AJ	Ok,M
19	Q2638-13	OU4-TS-37-071725	PS031196.D	23 Jul 2025 16:49	Surrogate low in both column	AR\AJ	Not Ok
20	Q2633-02	FIBER-GLASS-TANK	PS031197.D	23 Jul 2025 17:14		AR\AJ	Ok
21	PB168973BL	PB168973BL	PS031198.D	23 Jul 2025 17:38		AR\AJ	Ok
22	PB168973BS	PB168973BS	PS031199.D	23 Jul 2025 18:02		AR\AJ	Ok,M
23	PB168973BSD	PB168973BSD	PS031200.D	23 Jul 2025 18:26		AR\AJ	Ok,M
24	I.BLK	I.BLK	PS031201.D	23 Jul 2025 18:50		AR\AJ	Ok
25	HSTDCCC750	HSTDCCC750	PS031202.D	23 Jul 2025 19:14	comp #3,15 failing high in 1st column	AR\AJ	Ok,M
26	Q2649-01	WC-1	PS031203.D	23 Jul 2025 19:38		AR\AJ	Ok
27	Q2649-05	WC-2	PS031204.D	23 Jul 2025 20:02		AR\AJ	Ok
28	Q2649-09	WC-3	PS031205.D	23 Jul 2025 20:27		AR\AJ	Ok
29	Q2649-13	WC-4	PS031206.D	23 Jul 2025 20:51		AR\AJ	Ok
30	Q2649-17	WC-5	PS031207.D	23 Jul 2025 21:15		AR\AJ	Ok
31	Q2649-21	WC-6	PS031208.D	23 Jul 2025 21:39		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072325

Review By	Abdul	Review On	7/24/2025 8:40:59 AM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:24 AM		
SubDirectory	PS072325	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

32	I.BLK	I.BLK	PS031209.D	23 Jul 2025 22:03		AR\AJ	Ok
33	HSTDCCC750	HSTDCCC750	PS031210.D	23 Jul 2025 22:27	comp #3,15 failing high in 1st column	AR\AJ	Ok,M
34	Q2639-01	OU4-TS-38-071725	PS031211.D	23 Jul 2025 22:52	surrogate low in 1st column	AR\AJ	ReRun
35	Q2639-03	OU4-TS-39-071725	PS031212.D	23 Jul 2025 23:16	Surrogate low in both column	AR\AJ	Not Ok
36	Q2639-05	OU4-TS-40-071725	PS031213.D	23 Jul 2025 23:40	Surrogate low in both column	AR\AJ	Not Ok
37	Q2639-07	OU4-TS-41-071725	PS031214.D	24 Jul 2025 00:04		AR\AJ	Ok,M
38	Q2639-09	OU4-TS-42-071725	PS031215.D	24 Jul 2025 00:28	Surrogate low in both column	AR\AJ	Not Ok
39	Q2639-11	OU4-TS-43-071725	PS031216.D	24 Jul 2025 00:52	Surrogate low in both column	AR\AJ	Not Ok
40	Q2639-13	OU4-TS-44-071725	PS031217.D	24 Jul 2025 01:17	Surrogate low in 1st column	AR\AJ	ReRun
41	I.BLK	I.BLK	PS031218.D	24 Jul 2025 01:41		AR\AJ	Ok
42	HSTDCCC750	HSTDCCC750	PS031219.D	24 Jul 2025 02:05	comp #3,13,15 failing high in 1st column	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/25/2025 11:40:47 PM		
SubDirectory	PS072425	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031220.D	24 Jul 2025 10:10		AR\AJ	Ok
2	I.BLK	I.BLK	PS031221.D	24 Jul 2025 10:35		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031222.D	24 Jul 2025 12:03		AR\AJ	Ok,M
4	Q2638-11	OU4-TS-36-071725	PS031223.D	24 Jul 2025 13:44		AR\AJ	Ok
5	Q2638-11MS	OU4-TS-36-071725MS	PS031224.D	24 Jul 2025 14:08		AR\AJ	Ok,M
6	Q2638-11MSD	OU4-TS-36-071725MS	PS031225.D	24 Jul 2025 14:38		AR\AJ	Ok,M
7	Q2558-01MS	OU4-TS-Denali-070925	PS031226.D	24 Jul 2025 15:02		AR\AJ	Ok,M
8	Q2558-01MSD	OU4-TS-Denali-070925	PS031227.D	24 Jul 2025 15:26		AR\AJ	Ok,M
9	Q2638-13	OU4-TS-37-071725	PS031228.D	24 Jul 2025 15:50		AR\AJ	Ok,M
10	Q2638-05	OU4-TS-33-071725	PS031229.D	24 Jul 2025 16:14		AR\AJ	Ok
11	Q2638-07	OU4-TS-34-071725	PS031230.D	24 Jul 2025 16:39		AR\AJ	Ok
12	Q2641-02	P001-CONCRETE001-	PS031231.D	24 Jul 2025 17:03		AR\AJ	Ok
13	I.BLK	I.BLK	PS031232.D	24 Jul 2025 17:27		AR\AJ	Ok
14	HSTDCCC750	HSTDCCC750	PS031233.D	24 Jul 2025 18:39		AR\AJ	Ok,M
15	Q2641-02MS	P001-CONCRETE001-	PS031234.D	24 Jul 2025 19:04		AR\AJ	Ok,M
16	Q2641-02MSD	P001-CONCRETE001-	PS031235.D	24 Jul 2025 19:28		AR\AJ	Ok,M
17	PB169001BL	PB169001BL	PS031236.D	24 Jul 2025 19:52		AR\AJ	Ok
18	PB169001BS	PB169001BS	PS031237.D	24 Jul 2025 20:16		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/25/2025 11:40:47 PM		
SubDirectory	PS072425	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB168919TB	PB168919TB	PS031238.D	24 Jul 2025 20:40		AR\AJ	Ok
20	PB168926TB	PB168926TB	PS031239.D	24 Jul 2025 21:04		AR\AJ	Ok
21	PB168953TB	PB168953TB	PS031240.D	24 Jul 2025 21:29		AR\AJ	Ok
22	PB168969TB	PB168969TB	PS031241.D	24 Jul 2025 21:53		AR\AJ	Ok
23	I.BLK	I.BLK	PS031242.D	24 Jul 2025 22:17		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS031243.D	24 Jul 2025 23:29		AR\AJ	Ok,M
25	Q2481-12	CC0627-AL	PS031244.D	24 Jul 2025 23:53	bad injection	AR\AJ	Not Ok
26	Q2481-15	CC0627-AOXL	PS031245.D	25 Jul 2025 00:17		AR\AJ	Ok,M
27	Q2667-01	C0AP2	PS031246.D	25 Jul 2025 00:41		AR\AJ	Ok
28	Q2667-02	C0AP3	PS031247.D	25 Jul 2025 01:05		AR\AJ	Ok
29	Q2481-19	CC0627-CLOXAL	PS031248.D	25 Jul 2025 01:29	bad injection, surrogate not detected	AR\AJ	Not Ok
30	Q2481-21	CC0627-SFBL	PS031249.D	25 Jul 2025 01:53	bad injection	AR\AJ	Not Ok
31	Q2446-03	MR-BUR-LNG-13	PS031250.D	25 Jul 2025 02:18	bad injection, TYPO	AR\AJ	Not Ok
32	I.BLK	I.BLK	PS031251.D	25 Jul 2025 02:42		AR\AJ	Ok
33	HSTDCCC750	HSTDCCC750	PS031252.D	25 Jul 2025 03:54		AR\AJ	Ok,M
34	Q2481-13	CC0627-CLOXPL	PS031253.D	25 Jul 2025 04:18	bad injection, surrogate not detected	AR\AJ	Not Ok
35	Q2481-14	CC0625-OXBL	PS031254.D	25 Jul 2025 04:43	bad injection, surrogate not detected	AR\AJ	Not Ok
36	Q2481-16	CC0625-NL	PS031255.D	25 Jul 2025 05:07	bad injection, surrogate not detected	AR\AJ	Not Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/25/2025 11:40:47 PM		
SubDirectory	PS072425	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	Q2481-17	CC0267-OXPL	PS031256.D	25 Jul 2025 05:31	bad injection, surrogate not detected	AR\AJ	Not Ok
38	Q2481-18	CC0627-OXL	PS031257.D	25 Jul 2025 05:55	bad injection, surrogate not detected	AR\AJ	Not Ok
39	Q2481-20	CC0627-BL	PS031258.D	25 Jul 2025 06:19	bad injection, surrogate not detected	AR\AJ	Not Ok
40	I.BLK	I.BLK	PS031259.D	25 Jul 2025 06:43	Surrogate low in both column, bad injection	AR\AJ	Not Ok
41	HSTDCCC750	HSTDCCC750	PS031260.D	25 Jul 2025 07:07	most of compounds are fail	AR\AJ	Not Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136542

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
Q2637-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2637-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2637-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2637-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2637-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2637-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2638-01	OU4-TS-31-071725	7	1.15	10.44	11.59	8.29	68.4	
Q2638-03	OU4-TS-32-071725	8	1.14	10.41	11.55	7.92	65.1	
Q2638-05	OU4-TS-33-071725	9	1.12	10.69	11.81	8.04	64.7	
Q2638-07	OU4-TS-34-071725	10	1.18	10.81	11.99	8.58	68.5	
Q2638-09	OU4-TS-35-071725	11	1.18	10.24	11.42	9.62	82.4	
Q2638-11	OU4-TS-36-071725	12	1.16	10.22	11.38	9.53	81.9	
Q2638-13	OU4-TS-37-071725	13	1.14	10.27	11.41	9.48	81.2	
Q2639-01	OU4-TS-38-071725	14	1.16	10.58	11.74	9.69	80.6	
Q2639-03	OU4-TS-39-071725	15	1.12	10.64	11.76	9.74	81.0	
Q2639-05	OU4-TS-40-071725	16	1.16	10.23	11.39	9.42	80.7	
Q2639-07	OU4-TS-41-071725	17	1.18	10.20	11.38	9.54	82.0	
Q2639-09	OU4-TS-42-071725	18	1.19	10.34	11.53	7.42	60.3	
Q2639-11	OU4-TS-43-071725	19	1.19	10.67	11.86	7.38	58.0	
Q2639-13	OU4-TS-44-071725	20	1.12	10.87	11.99	8.18	64.9	
Q2641-01	P001-CONCRETE001-01	21	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2645-02	RW5B-CARBON-20250716	22	1.17	10.52	11.69	8.39	68.6	
Q2648-01	A3	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-02	A4	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-03	B2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-04	B3	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-05	B4	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2651-01	MH 2-1	28	1.18	10.67	11.85	11.26	94.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136542

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
Q2651-02	MH 6-5	29	1.15	10.40	11.55	10.9	93.8	
Q2651-03	MH 7-6	30	1.12	10.20	11.32	10.7	93.9	
Q2651-04	MH 8-7	31	1.13	10.44	11.57	11.01	94.6	
Q2651-05	MH 9-8	32	1.13	10.27	11.4	10.67	92.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WM 136542

WorkList Name : %1-071825 **WorkList ID :** 190813 **Department :** Wet-Chemistry **Date :** 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2637-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-01	OU4-TS-31-071725	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-03	OU4-TS-32-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-05	OU4-TS-33-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-07	OU4-TS-34-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-09	OU4-TS-35-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-11	OU4-TS-36-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-13	OU4-TS-37-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-01	OU4-TS-38-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-03	OU4-TS-39-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-05	OU4-TS-40-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-07	OU4-TS-41-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-09	OU4-TS-42-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-11	OU4-TS-43-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-13	OU4-TS-44-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2641-01	P001-CONCRETE001-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	O22	07/16/2025	Chemtech -SO

Date/Time 07/18/25 15:30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 136542

WorkList Name : %1-071825 **WorkList ID :** 190813 **Department :** Wet-Chemistry **Date :** 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2645-02	RW5B-CARBON-20250716	Solid	Percent Solids	Cool 4 deg C	TETR06	O41	07/16/2025	Chemtech -SO
Q2648-01	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-02	A4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-03	B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-04	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-05	B4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2651-01	MH 2-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-02	MH 6-5	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-03	MH 7-6	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-04	MH 8-7	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-05	MH 9-8	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO

Date/Time 07/18/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168945

SOP ID:	M8151A-Herbicide-23				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/22/2025
Matrix :	Solid			**Extraction Start Time :**	09:05
Weigh By:	EH	**Extraction By:**	RS	**Extraction End Date :**	07/22/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	17:00
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	PP24654
Surrogate	1.0ML	5000 PPB	PP24737
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2626
Acidified Na2SO4	N/A	EP2621
Sand	N/A	E3951
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2616
Methylene Chloride	N/A	E3954
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3952
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2618
Hexane	N/A	E3956
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 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
7/22/25	RS (Ext Lab)	Pest/PCB Lab
17:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168945

Analytical Method: M8151A-Herbicide-23 **Concentration Date:** 07/22/2025

Sample ID	Client Sample ID	Test	(g)/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168945BL	HBLK945	Herbicide Group1	30.01	N/A	RUPESH	Evelyn	10			U2-1
PB168945BS	HLCS945	Herbicide Group1	30.02	N/A	RUPESH	Evelyn	10			2
Q2638-01	OU4-TS-31-071725	Herbicide Group1	30.07	N/A	RUPESH	Evelyn	10	D		3
Q2638-03	OU4-TS-32-071725	Herbicide Group1	30.03	N/A	RUPESH	Evelyn	10	D		4
Q2638-05	OU4-TS-33-071725	Herbicide Group1	30.08	N/A	RUPESH	Evelyn	10	D		5
Q2638-07	OU4-TS-34-071725	Herbicide Group1	30.05	N/A	RUPESH	Evelyn	10	D		6
Q2638-09	OU4-TS-35-071725	Herbicide Group1	30.01	N/A	RUPESH	Evelyn	10	D		U3-1
Q2638-11	OU4-TS-36-071725	Herbicide Group1	30.06	N/A	RUPESH	Evelyn	10	D		2
Q2638-11MS	OU4-TS-36-071725MS	Herbicide Group1	30.03	N/A	RUPESH	Evelyn	10	D		3
Q2638-11MSD	OU4-TS-36-071725MSD	Herbicide Group1	30.07	N/A	RUPESH	Evelyn	10	D		4
Q2638-13	OU4-TS-37-071725	Herbicide Group1	30.04	N/A	RUPESH	Evelyn	10	D		5
Q2639-01	OU4-TS-38-071725	Herbicide Group1	30.08	N/A	RUPESH	Evelyn	10	D		6
Q2639-03	OU4-TS-39-071725	Herbicide Group1	30.04	N/A	RUPESH	Evelyn	10	D		U6-1
Q2639-05	OU4-TS-40-071725	Herbicide Group1	30.05	N/A	RUPESH	Evelyn	10	D		2
Q2639-07	OU4-TS-41-071725	Herbicide Group1	30.02	N/A	RUPESH	Evelyn	10	D		3
Q2639-09	OU4-TS-42-071725	Herbicide Group1	30.06	N/A	RUPESH	Evelyn	10	D		4
Q2639-11	OU4-TS-43-071725	Herbicide Group1	30.01	N/A	RUPESH	Evelyn	10	D		5
Q2639-13	OU4-TS-44-071725	Herbicide Group1	30.07	N/A	RUPESH	Evelyn	10	D		6
Q2649-01	WC-1	Herbicide	30.05	N/A	RUPESH	Evelyn	10	E		U1-1
Q2649-05	WC-2	Herbicide	30.09	N/A	RUPESH	Evelyn	10	E		2
Q2649-09	WC-3	Herbicide	30.03	N/A	RUPESH	Evelyn	10	E		3
Q2649-13	WC-4	Herbicide	30.02	N/A	RUPESH	Evelyn	10	E		4
Q2649-17	WC-5	Herbicide	30.04	N/A	RUPESH	Evelyn	10	E		5
Q2649-21	WC-6	Herbicide	30.08	N/A	RUPESH	Evelyn	10	E		6

RS 7/22

* **Extracts relinquished on the same date as received.**

168945
9:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2649H **WorkList ID :** 190865 **Department :** Extraction **Date :** 07-22-2025 09:00:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2638-01	OU4-TS-31-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-03	OU4-TS-32-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-05	OU4-TS-33-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-07	OU4-TS-34-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-09	OU4-TS-35-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-11	OU4-TS-36-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-13	OU4-TS-37-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2639-01	OU4-TS-38-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-03	OU4-TS-39-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-05	OU4-TS-40-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-07	OU4-TS-41-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-09	OU4-TS-42-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-11	OU4-TS-43-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-13	OU4-TS-44-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2649-01	WC-1	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A
Q2649-05	WC-2	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A
Q2649-09	WC-3	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A
Q2649-13	WC-4	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A
Q2649-17	WC-5	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A
Q2649-21	WC-6	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A

Date/Time 7/22/25 9:00
Raw Sample Received by: ET (Ext lab)
Raw Sample Relinquished by: CP SM

Date/Time 7/22/25 9:40
Raw Sample Received by: CP SM
Raw Sample Relinquished by: ET (Ext lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2638

Test : Herbicide Group1

Prepbatch ID : PB168945,

Sequence ID/Qc Batch ID: PS072325,PS072425

Standard ID :
EP2621,EP2626,PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560,PP24561,PP24562,PP24654,PP24737,

Chemical ID :
E3551,E3881,E3933,E3940,E3949,E3951,E3954,E3956,M6151,M6157,P11183,P12620,P12630,P12689,P12710,P13543,P13544,P13545,P13546,P13971,P13977,P14064,P14065,P14066,P8829,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
601	Acidified Sodium Sulphate 2	EP2621	06/03/2025	08/14/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 06/03/2025

FROM 100.00000ml of E3881 + 150.00000ml of M6157 + 3000.00000ml of E3551 = Final Quantity: 3000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2626	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 8000.00000ml of E3949 + 8000.00000ml of E3954 = Final Quantity: 16000.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1321	2/200 PPM Herb Mega Mix	PP24553	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.20000ml of P8829 + 1.00000ml of P11183 + 1.00000ml of P12620 + 1.00000ml of P12630 + 1.00000ml of P12689 + 95.80000ml of E3933 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1851	2/200 PPM Herb Mega Mix 2nd Source	PP24554	05/12/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.50000ml of P13971 + 1.00000ml of P12710 + 48.50000ml of E3933 = Final Quantity: 50.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1456	200 PPB Herb MIX STD	PP24556	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.90000ml of E3933 + 0.10000ml of PP24553 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1455	500 PPB Herb MIX STD	PP24557	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.75000ml of E3933 + 0.25000ml of PP24553 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1453	1000 PPB Herb MIX STD	PP24558	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.50000ml of E3933 + 0.50000ml of PP24553 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1454	750 PPB Herb MIX STD	PP24559	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24558 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1452	1500 PPB HERB MIX STD	PP24560	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24553 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1854	1000 PPB HERB MIX ICV STD	PP24561	05/12/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.50000ml of E3933 + 0.50000ml of PP24554 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1691	750 PPB ICV HERB STD	PP24562	05/12/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24561 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24654	06/18/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/23/2025

FROM 1.25000ml of P13543 + 1.25000ml of P13544 + 1.25000ml of P13545 + 1.25000ml of P13546 + 95.00000ml of E3940 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP24737	07/18/2025	01/18/2026	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 1.25000ml of P13977 + 1.25000ml of P14064 + 1.25000ml of P14065 + 1.25000ml of P14066 + 195.00000ml of E3956 = Final Quantity: 200.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC04977-3 / Ether, Anhydrous, Glass Distilled, HRGC/HPLC, 4L	242789	06/30/2025	02/14/2025 / Rajesh	01/06/2025 / Rajesh	E3881

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3940

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	11/12/2025	05/12/2025 / Abdul	11/01/2021 / Abdul	P11183

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12620

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A192429	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32059 / Herbicide Mix#3 (Methyl Ester), 20000 ug/ml	A0199844	11/12/2025	05/12/2025 / Abdul	07/24/2023 / Abdul	P12689

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	08/12/2025	05/12/2025 / Abdul	08/09/2023 / Abdul	P12710

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	08/12/2025	05/12/2025 / Abdul	08/09/2023 / Abdul	P12710

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13543

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13543

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13544

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13544

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13545

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13545

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13546

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13546

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/12/2025	05/12/2025 / Abdul	04/02/2025 / Abdul	P13971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	01/18/2026	07/18/2025 / Abdul	04/02/2025 / Abdul	P13977

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	01/18/2026	07/18/2025 / Abdul	06/23/2025 / anahy	P14064

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	01/18/2026	07/18/2025 / Abdul	06/23/2025 / anahy	P14065

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	01/18/2026	07/18/2025 / Abdul	06/23/2025 / anahy	P14066

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32254 / Dalapon Methyl Ester, 1000 ug/ml	A0148063	11/12/2025	05/12/2025 / Abdul	08/16/2019 / Stephen	P8829

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by RB on 7/24/23 E3551

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	E199	Quality Test / Release Date	08/02/2024
Lot Number	242789	Expiration Date	Jun/2025
Description	ETHYL ETHER, PESTICIDE GRADE		
Country of Origin	Mexico		
Chemical Origin	Organic - synthetic		
BSE/TSE Comment	This product was derived from synthetic raw materials and the manufacturing process excluded contamination with any animal products.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid free of suspended matter
ASSAY	%	>= 99.5	99.97
COLOR	APHA	<= 10	5
EVAPORATION RESIDUE	ppm	<= 3	0.2
GC-ECD ANALYSIS	pg/ml	<= 10	<1
OPTICAL ABS AT 218 NM	ABSORBANCE UNITS	<= 1.00	0.19
OPTICAL ABS AT 250 NM	ABSORBANCE UNITS	<= 0.08	0.05
OPTICAL ABS AT 270 NM	ABSORBANCE UNITS	<= 0.02	0.01
OPTICAL ABS AT 300 NM	ABSORBANCE UNITS	<= 0.01	0.002
OPTICAL ABS AT 350 NM	ABSORBANCE UNITS	<= 0.01	<0.001
PEROXIDE	ppm	<= 5	<1
PRESERVATIVE - ETHANOL	%	Inclusive Between 1.5 - 2.5	1.8
WATER (H2O)	%	<= 0.08	0.003

Kalyan Paruchuri

Kalyan Paruchuri - Quality Control Supervisor - Bridgewater

E 3881

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3933

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 6/11/25

E3940

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Read on 7/2/25

E3949

J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recieved on 7/16/25

E3956

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R→ 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities - Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities - Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities - Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities - Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities - Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities - Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities - Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities - Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities - Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities - Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities - Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities - Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities - Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities - Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities - Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities - Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities - Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid
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avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

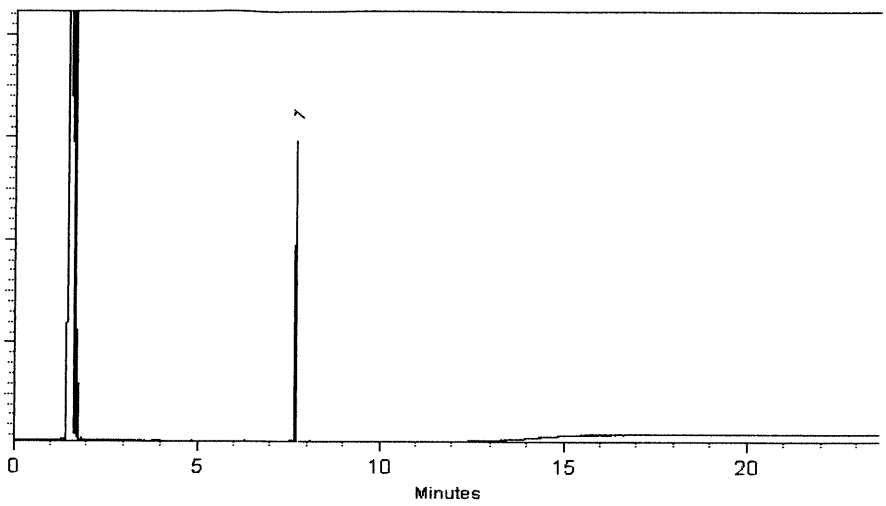
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 11177 to P 11186

AR 11/02/21

RESTEK®
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Tel: (800)356-1688
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Certificate of Analysis

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323	µg/mL	Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182	µg/mL	Unstressed
	Purity 99%		+/- 6.8182	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P111177
↓
P111186

AR
11/02/21

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12616 (S) → P12620

7/5/2023

Catalog No. : 32062 **Lot No.:** A0155055

Description : Herbicide Mix #4/ME (Methyl Ester)

Herbicide Mix #4/ME (Methyl Ester) 200µg/mL, Hexane/Methyl-tert-butyl-ether, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	3,5-Dichlorobenzoic acid methyl ester **CAS #** 2905-67-1 (Lot 3903900) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	4-Nitroanisole **CAS #** 100-17-4 (Lot 24765/7) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Pentachloroanisole **CAS #** 1825-21-4 (Lot 7921100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Chloramben methyl ester **CAS #** 7286-84-2 (Lot 6487100) **Purity** 98%	199.9 µg/mL	+/- 1.4176 +/- 6.7480 +/- 6.7480	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Bentazon methyl ester **CAS #** 61592-45-8 (Lot 817100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Picloram methyl ester **CAS #** 14143-55-6 (Lot 386-21B) **Purity** 98%	201.9 µg/mL	+/- 1.4315 +/- 6.8141 +/- 6.8141	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	DCPA methyl ester (Chlorthal-dimethyl) **CAS #** 1861-32-1 (Lot 8008700) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	Acifluorfen methyl ester		200.0	µg/mL	+/- 1.4182	µg/mL	Gravimetric
	CAS # 50594-67-7	(Lot 6282300)			+/- 6.7507	µg/mL	Unstressed
	Purity 99%				+/- 6.7507	µg/mL	Stressed

Solvent: Hexane/Methyl-tert-butyl-ether
CAS # 110-54-3/1634-04-4
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

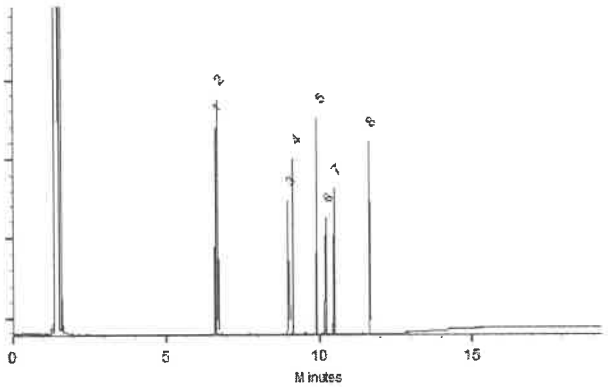
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael J Maye

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Justine Albertson - Operations Tech-ARM QC

Date Passed: 18-Nov-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12626 & 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.)

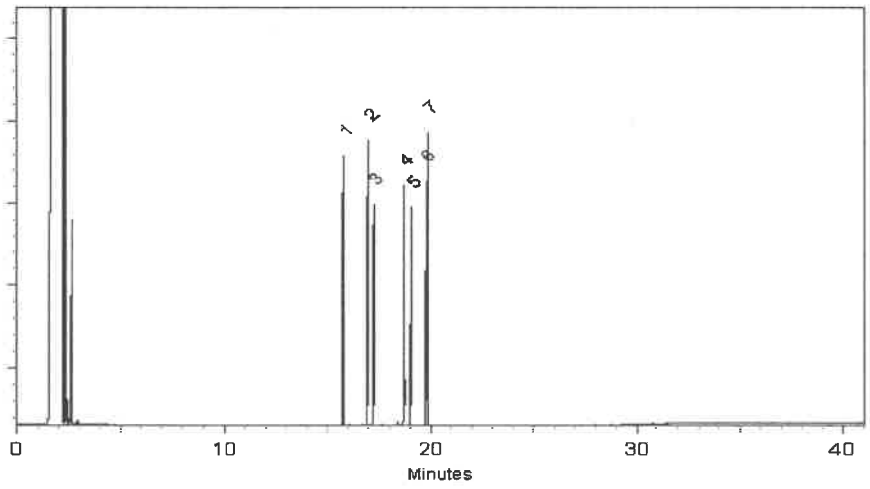
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 09-Dec-2022 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 12-Dec-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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P 12685 ↓ P 12689 (S)

7/24/23

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)

Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

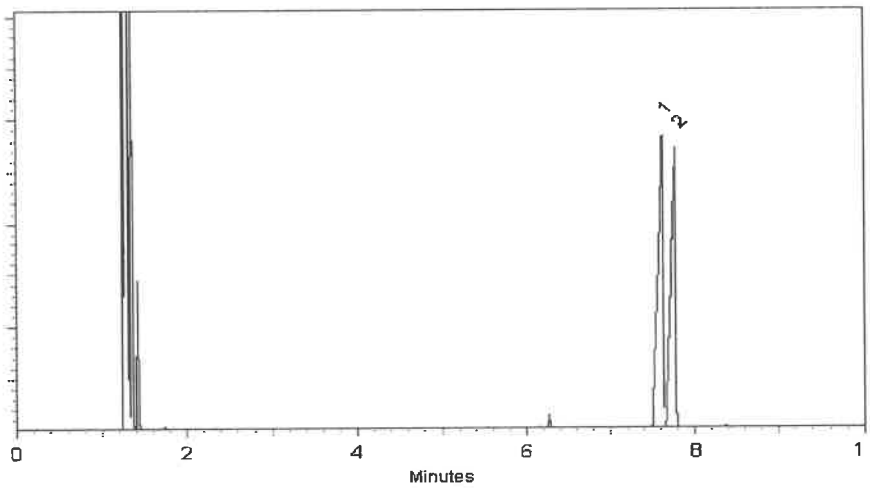
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P12706 ↓ P12715 (10)

Agilent

Trusted Answers

ISO 17034

8/15/23

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.

ISO 17025
Cert No. AT-1937

Agilent

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Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

P12706 (10)
↓
P12715

8.15.23

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541 ↓ P13561 (20)

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ISO 17025
Cert No. AT-1937

9/25/2024

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541 ↓ P13561 (20)

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

ISO 17025
Cert No. AT-1937

9/25/2024

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
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P13541 ↓ P13561 (20)

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ISO 17025
Cert No. AT-1937

9/25/2024

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Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

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Homogeneity:
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P13541 ↓ P13561 (20)

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ISO 17025
Cert No. AT-1937

9/25/2024

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

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester 200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968 → 13977 (10)

4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

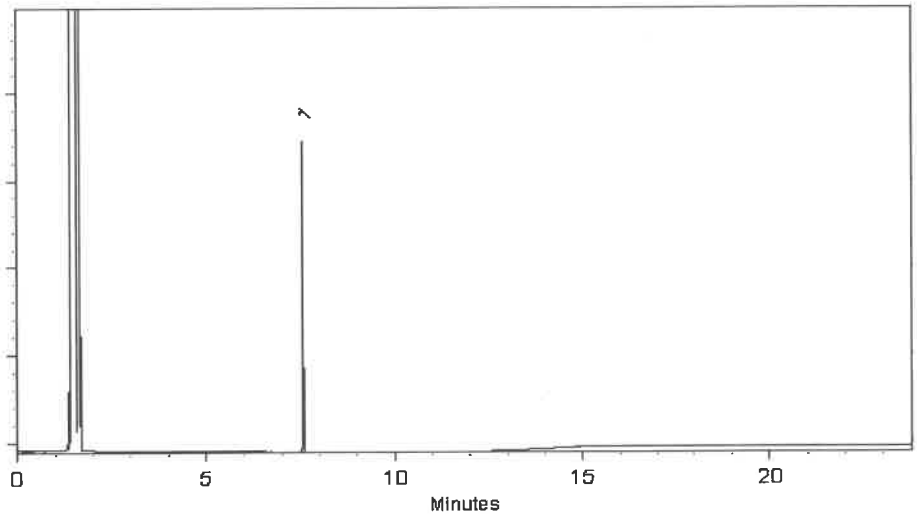
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester 200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968 → 13977 (10)

4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

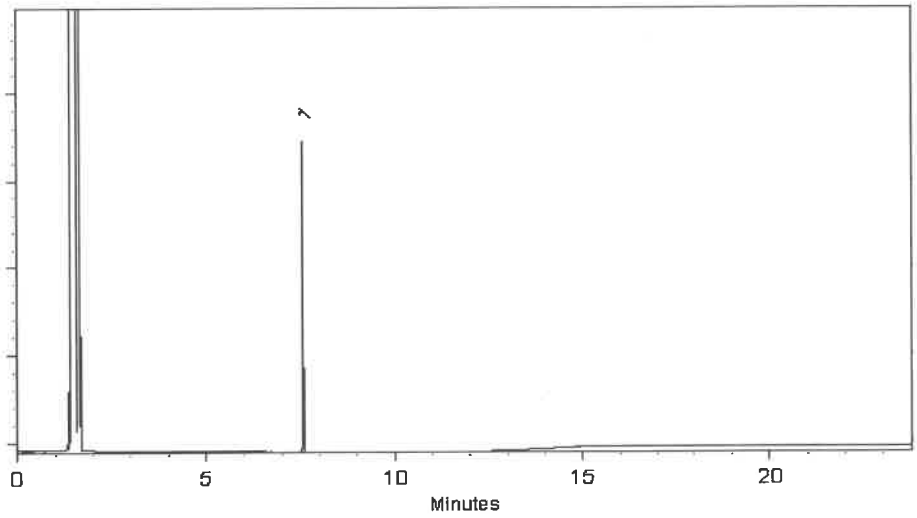
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

P14064 ↓ P14078 AC 6/23/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

P14064 ↓ P14078 AC 6/23/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

P14064 ↓ P14078 AC 6/23/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

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Received by SG on 8/16/19
P8828
P8826

Catalog No. : 32254 **Lot No.:** A0148063

Description : Dalapon methyl ester Standard

Dalapon methyl ester 1000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dalapon methyl ester	999.6 µg/mL	+/- 10.0697	µg/mL	Gravimetric
	CAS # 17640-02-7 (Lot 1764600)		+/- 34.4896	µg/mL	Unstressed
	Purity 98%		+/- 34.4896	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

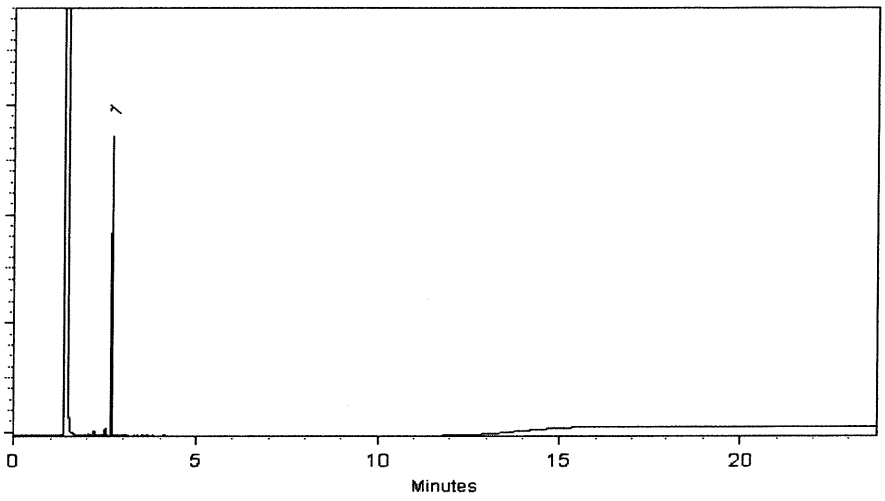
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2019 **Balance:** 1127510105

Fang-Yun Lo - QC Analyst

Date Passed: 15-Apr-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Q 2638

http://www.contestlabs.com

Doc # 381 Rev 4_01/08/2020

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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:	A. Brittingham

Requested Turnaround Time
5-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-TS-31-071725	7/17/25	10:30	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-32-071725	7/17/25	10:40	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-33-071725	7/17/25	10:50	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-34-071725	7/17/25	11:00	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-35-071725	7/17/25	11:10	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-36-071725	7/17/25	11:20	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-37-071725	7/17/25	11:30	G	SO		3	2					X	X	X	X	X	X	X	X	X

[2] Preservation Code

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 7/17/25 1500
Received by: (signature)	Date/Time: 7/18/25 0755
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments: 5.1°C - 4.7°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2638 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/18/2025 10:07:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/18/2025 9:55:00 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
Q2638-01	OU4-TS-31-071725	Solid	07/17/2025	10:30					
					VOCMS Group3		8260D	5 Bus. Days	
Q2638-03	OU4-TS-32-071725	Solid	07/17/2025	10:40					
					VOCMS Group3		8260D	5 Bus. Days	
Q2638-05	OU4-TS-33-071725	Solid	07/17/2025	10:50					
					VOCMS Group3		8260D	5 Bus. Days	
Q2638-07	OU4-TS-34-071725	Solid	07/17/2025	11:00					
					VOCMS Group3		8260D	5 Bus. Days	
Q2638-09	OU4-TS-35-071725	Solid	07/17/2025	11:10					
					VOCMS Group3		8260D	5 Bus. Days	
Q2638-11	OU4-TS-36-071725	Solid	07/17/2025	11:20					
					VOCMS Group3		8260D	5 Bus. Days	
Q2638-13	OU4-TS-37-071725	Solid	07/17/2025	11:30					
					VOCMS Group3		8260D	5 Bus. Days	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q2638 NOBI03	**Order Date :**	7/18/2025 10:07:00 AM	**Project Mgr :**	
Client Name :	Nobis Group	**Project Name :**	Raymark Superfund Site	**Report Type :**	Level 4
Client Contact :	Adam Roy	**Receive DateTime :**	7/18/2025 9:55:00 AM	**EDD Type :**	EQUIS
Invoice Name :	Nobis Group	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Adam Roy			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 7/18/25 1100

Received By : _____
Date / Time : 07/18/25 11:00
Storage Area : VOA Refridgerator Room

R6
F22

Quantitation Report (Not Reviewed)

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

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

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.326	7.767	2018.8E6	519.9E6	475.156	526.012
		Target Compounds						
1)	T	Dalapon	2.690	2.705	2959.3E6	1321.5E6	478.152	474.374
2)	T	3,5-DICHL...	6.487	6.714	2659.6E6	740.5E6	495.188	497.017
3)	T	4-Nitroph...	7.125	7.301	767.9E6	829.3E6	478.348	464.714
5)	T	DICAMBA	7.514	7.969	7996.5E6	3086.5E6	491.494	480.989
6)	T	MCPP	7.694	8.066	467.8E6	100.3E6	45.447	46.925
7)	T	MCPA	7.843	8.314	579.7E6	149.5E6	46.099	47.317
8)	T	DICHLORPROP	8.226	8.689	1838.1E6	729.4E6	498.986	495.087
9)	T	2,4-D	8.458	9.026	1795.7E6	819.0E6	491.384	494.516
10)	T	Pentachlo...	8.763	9.548	29107.7E6	19707.8E6	507.927	493.167
11)	T	2,4,5-TP ...	9.343	9.930	10820.5E6	7341.1E6	500.052	494.651
12)	T	2,4,5-T	9.637	10.357	9577.2E6	6973.3E6	490.924	492.588
13)	T	2,4-DB	10.214	10.925	1431.5E6	570.7E6	483.190	493.144
14)	T	DINOSEB	11.428	11.309	7542.8E6	5427.1E6	489.222	482.587
15)	T	Picloram	11.240	12.420	9521.9E6	12061.4E6	472.975	474.969
16)	T	DCPA	11.726	12.353	14463.8E6	11492.2E6	510.682	496.241

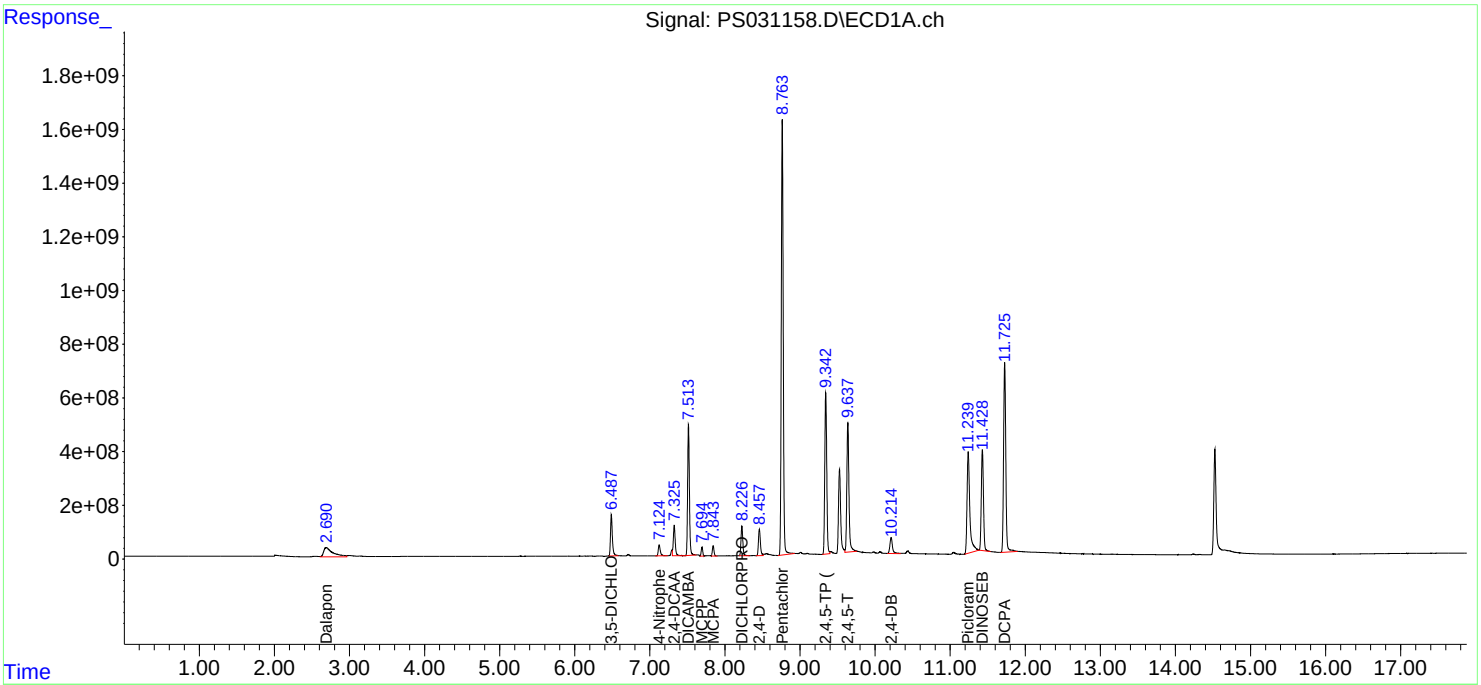
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

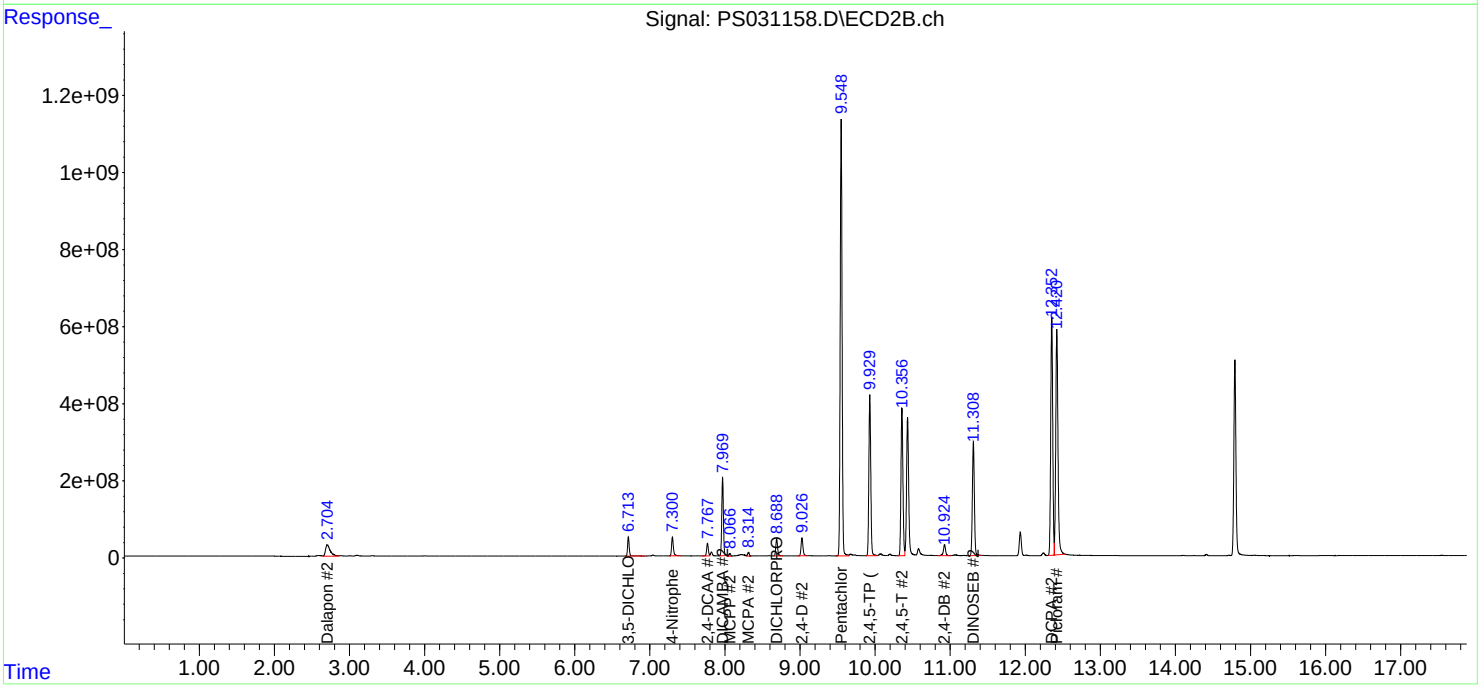
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031158.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:26
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

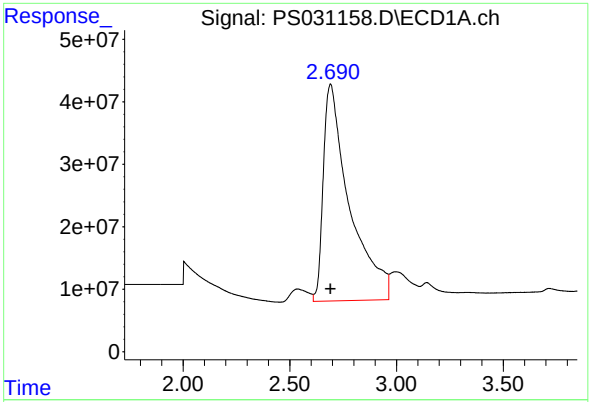
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

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

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



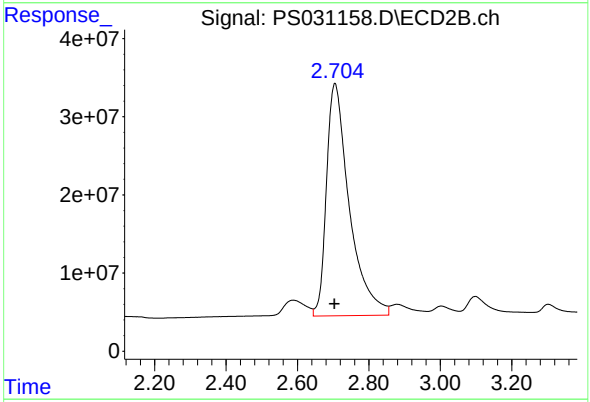




#1 Dalapon

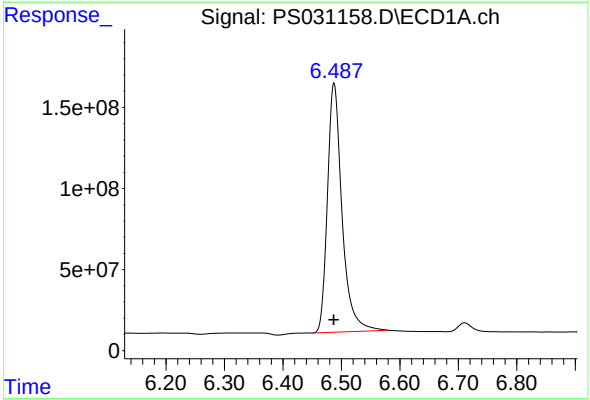
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 2959298028
Conc: 478.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



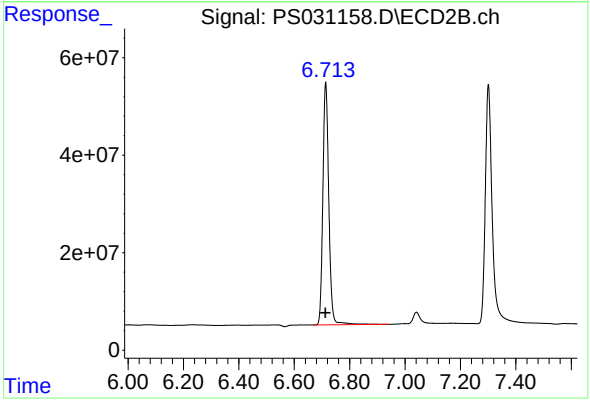
#1 Dalapon

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



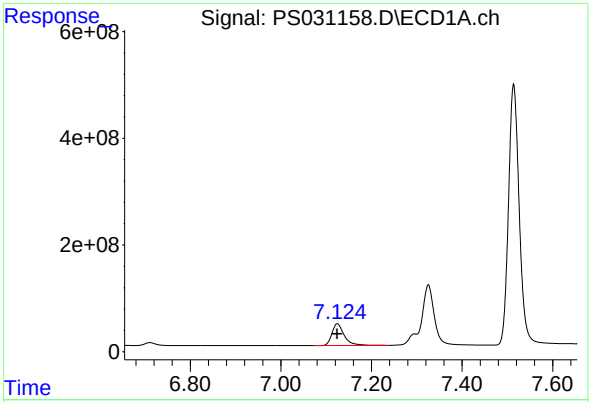
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

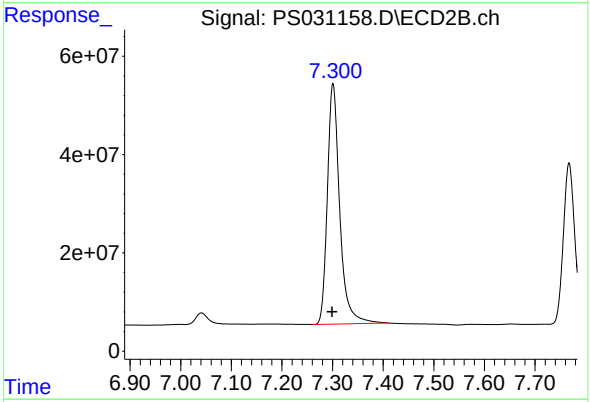
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 740511149
Conc: 497.02 ng/ml



#3 4-Nitrophenol

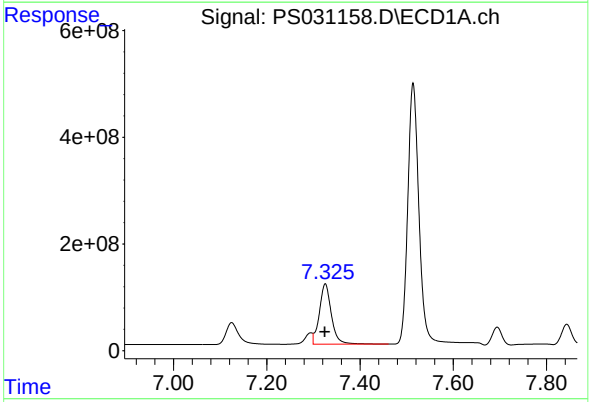
R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 767894643
Conc: 478.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



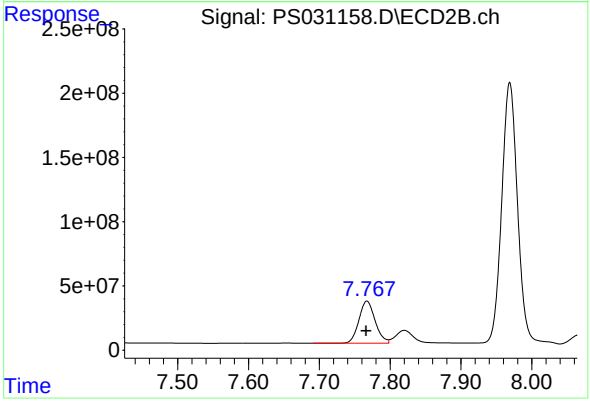
#3 4-Nitrophenol

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



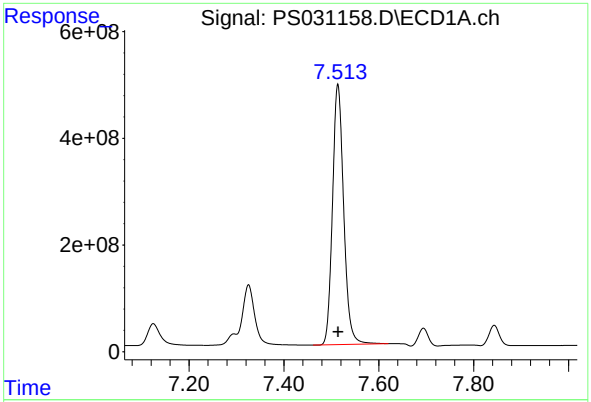
#4 2,4-DCAA

R.T.: 7.326 min
Delta R.T.: 0.001 min
Response: 2018803577
Conc: 475.16 ng/ml



#4 2,4-DCAA

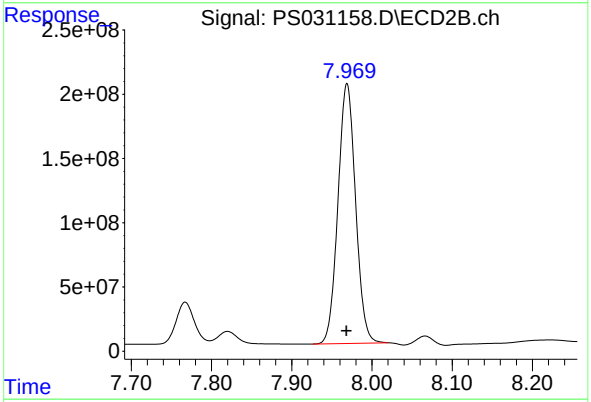
R.T.: 7.767 min
Delta R.T.: 0.001 min
Response: 519906660
Conc: 526.01 ng/ml



#5 DICAMBA

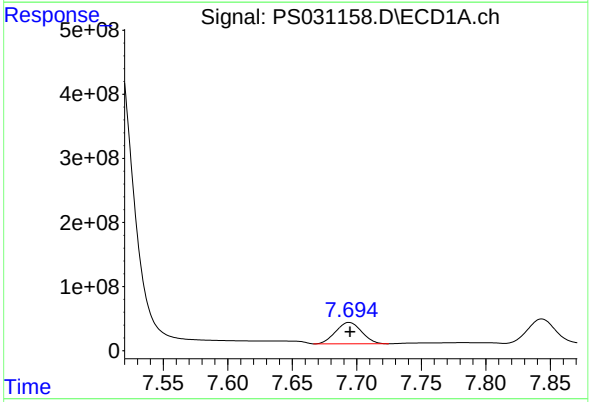
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 7996510974
Conc: 491.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



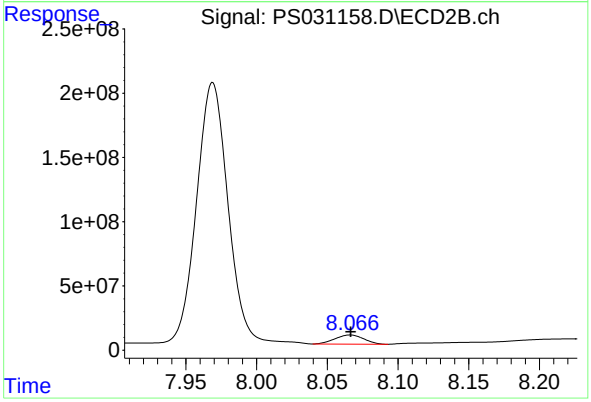
#5 DICAMBA

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



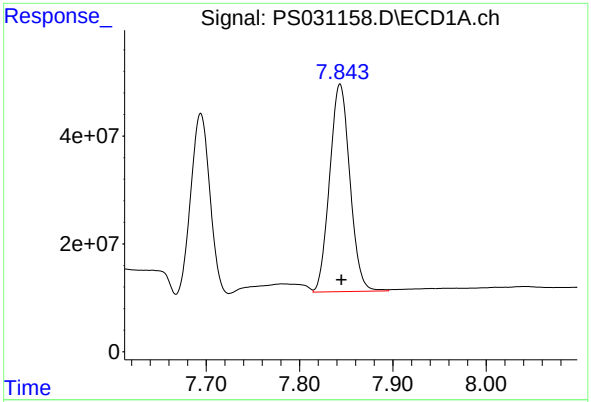
#6 MCPP

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



#6 MCPP

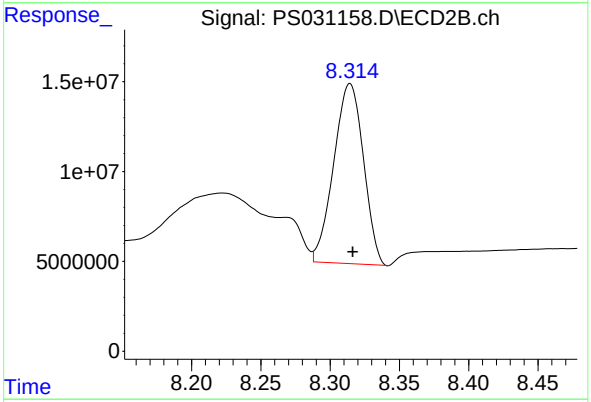
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 100345918
Conc: 46.92 ug/ml



#7 MCPA

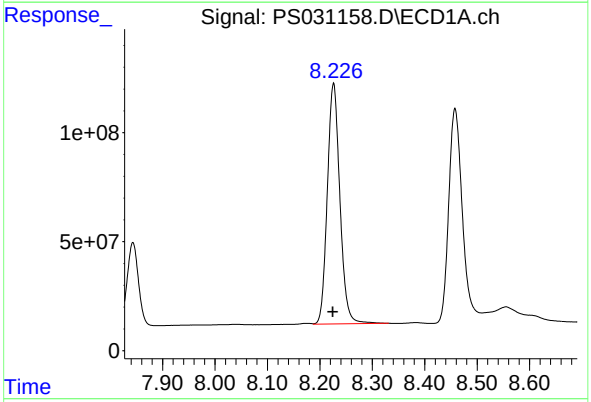
R.T.: 7.843 min
Delta R.T.: -0.001 min
Response: 579732469
Conc: 46.10 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



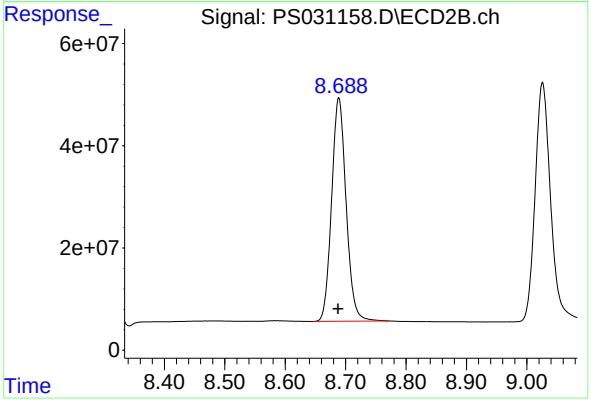
#7 MCPA

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



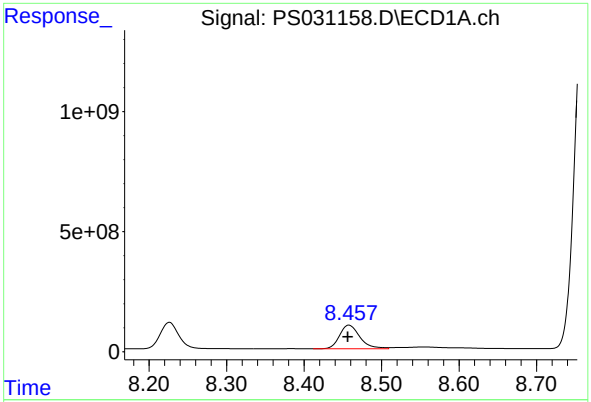
#8 DICHLORPROP

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



#8 DICHLORPROP

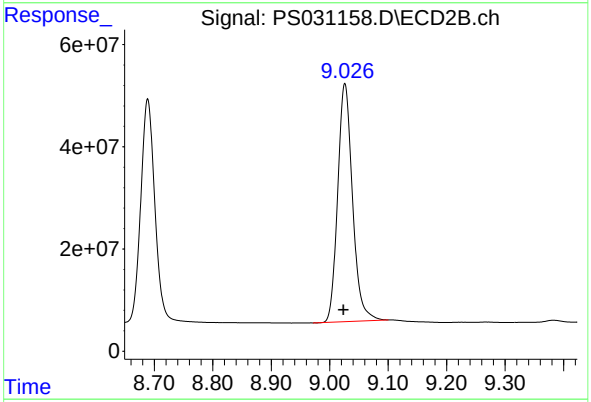
R.T.: 8.689 min
Delta R.T.: 0.001 min
Response: 729443662
Conc: 495.09 ng/ml



#9 2,4-D

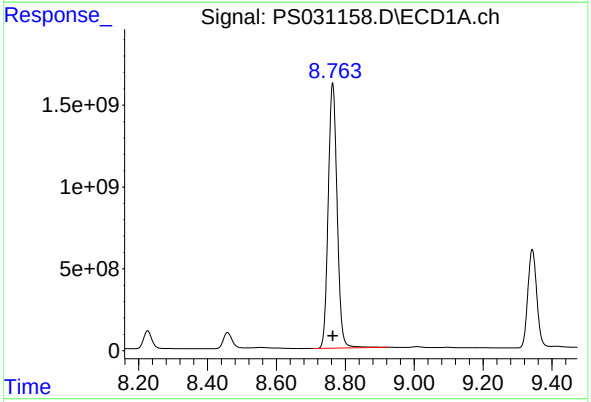
R.T.: 8.458 min
Delta R.T.: 0.001 min
Response: 1795744990
Conc: 491.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



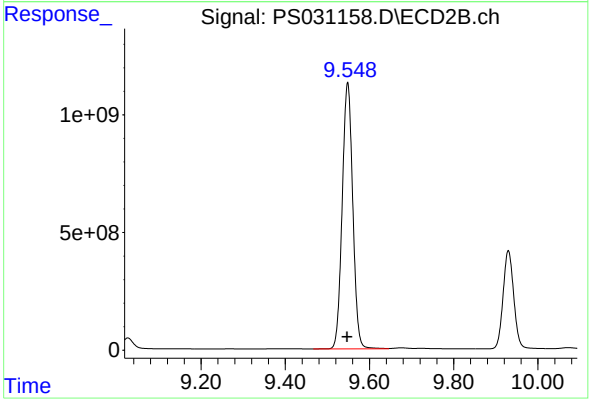
#9 2,4-D

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



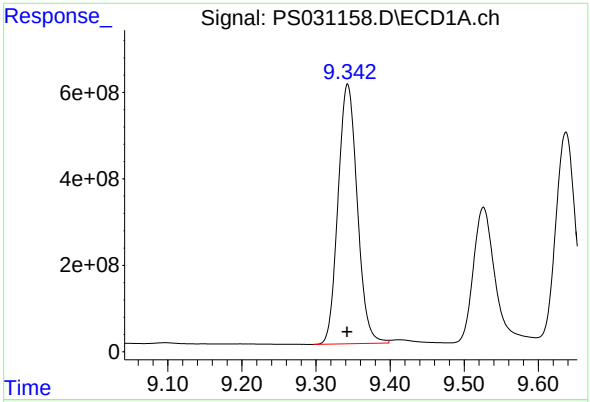
#10 Pentachlorophenol

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



#10 Pentachlorophenol

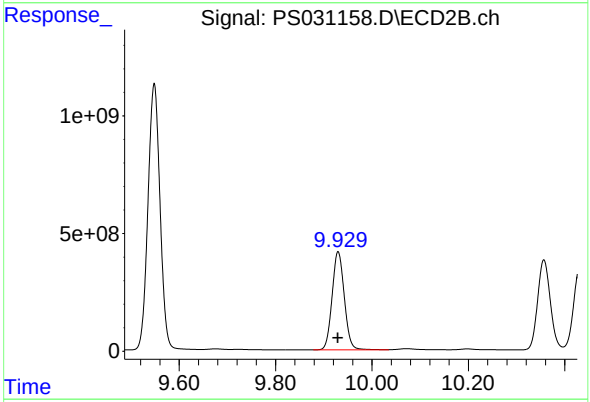
R.T.: 9.548 min
Delta R.T.: 0.001 min
Response: 19707796449
Conc: 493.17 ng/ml



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

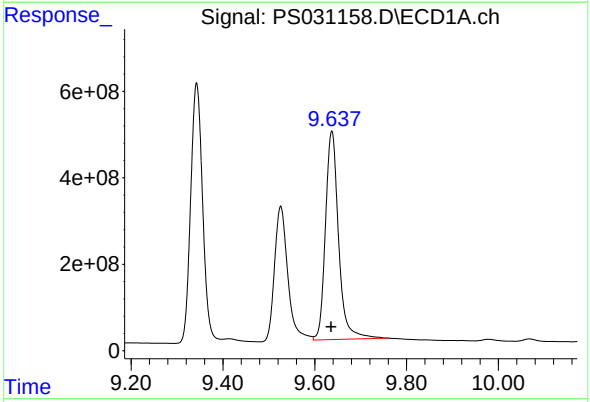
R.T.: 9.343 min
Delta R.T.: 0.000 min
Response: 10820483706
Conc: 500.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



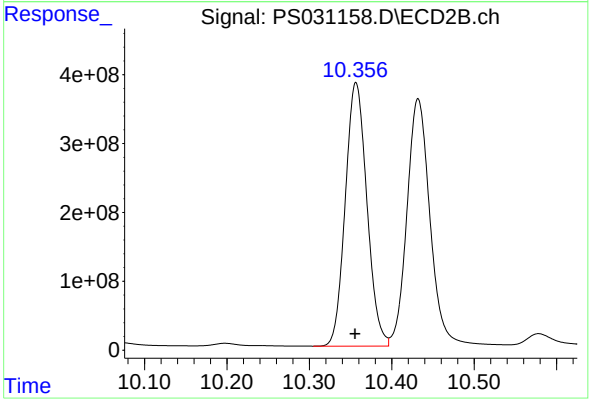
#11 2,4,5-TP (SILVEX)

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



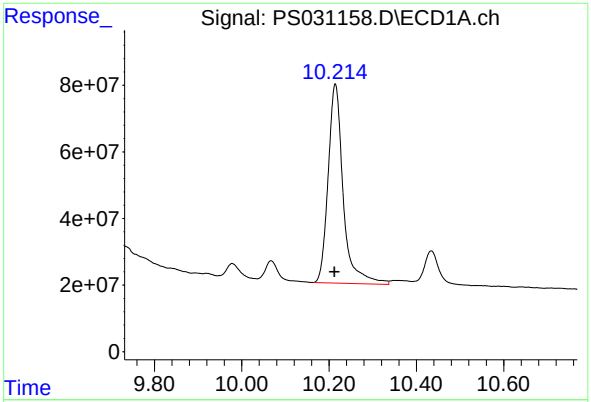
#12 2,4,5-T

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



#12 2,4,5-T

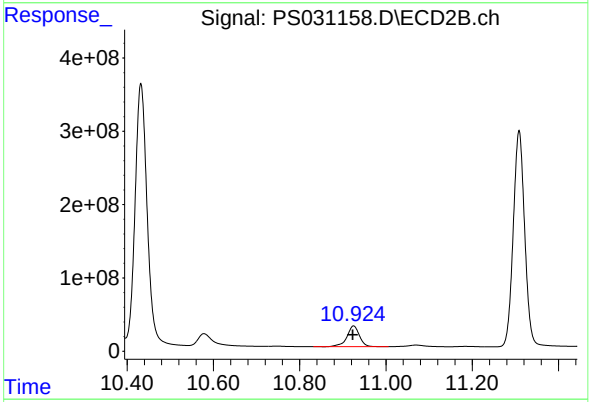
R.T.: 10.357 min
Delta R.T.: 0.001 min
Response: 6973310939
Conc: 492.59 ng/ml



#13 2,4-DB

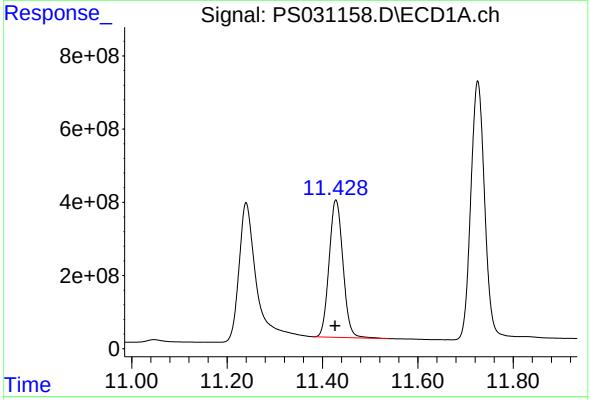
R.T.: 10.214 min
Delta R.T.: 0.002 min
Response: 1431511568
Conc: 483.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



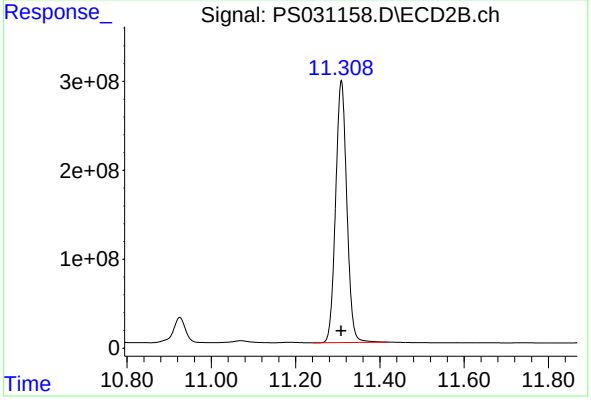
#13 2,4-DB

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



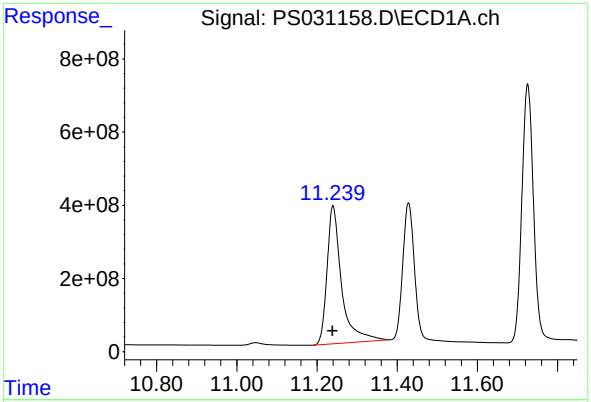
#14 DINOSEB

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



#14 DINOSEB

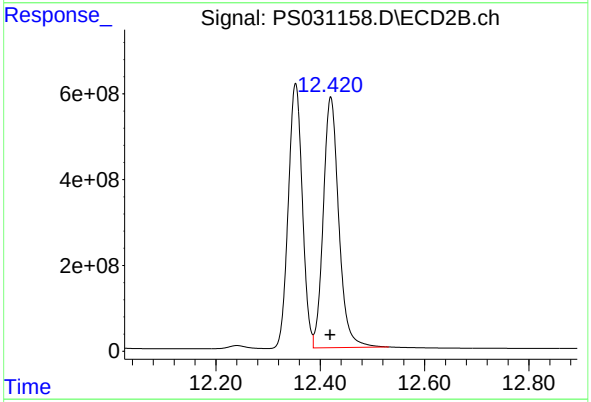
R.T.: 11.309 min
Delta R.T.: 0.000 min
Response: 5427075463
Conc: 482.59 ng/ml



#15 Picloram

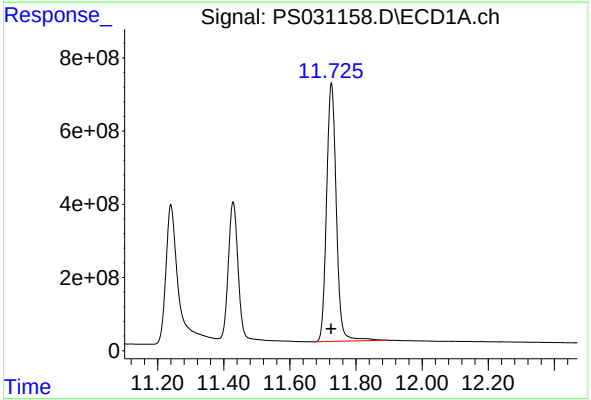
R.T.: 11.240 min
Delta R.T.: 0.001 min
Response: 9521922595
Conc: 472.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



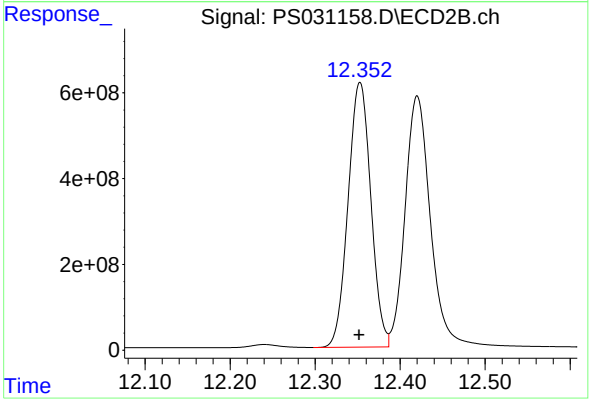
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:50
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.322	7.765	3007.2E6	765.8E6	691.584	754.525
		Target Compounds						
1)	T	Dalapon	2.687	2.703	4207.3E6	1874.4E6	670.714	660.750
2)	T	3,5-DICHL...	6.484	6.712	3952.5E6	1073.7E6	715.667	697.226
3)	T	4-Nitroph...	7.122	7.298	1247.7E6	1263.8E6	756.720	698.473
5)	T	DICAMBA	7.511	7.966	12105.2E6	4687.8E6	733.785	726.410
6)	T	MCPP	7.692	8.065	767.4E6	153.3E6	76.665	73.762
7)	T	MCPA	7.843	8.314	944.7E6	229.6E6	75.487	72.758
8)	T	DICHLORPROP	8.222	8.685	2741.7E6	1070.0E6	717.361	706.363
9)	T	2,4-D	8.453	9.022	2797.2E6	1204.9E6	748.945	709.489
10)	T	Pentachlo...	8.762	9.545	42413.9E6	29362.7E6	776.505	751.325
11)	T	2,4,5-TP ...	9.338	9.926	16434.3E6	10865.9E6	748.594	729.537
12)	T	2,4,5-T	9.632	10.353	15267.8E6	10365.3E6	781.851	728.954
13)	T	2,4-DB	10.209	10.920	2386.8E6	852.2E6	798.303	728.094
14)	T	DINOSEB	11.423	11.305	11518.6E6	8179.0E6	739.819	723.669
15)	T	Picloram	11.234	12.415	16216.3E6	18579.8E6	810.549	746.326
16)	T	DCPA	11.720	12.349	21609.6E6	17155.7E6	753.119	744.731

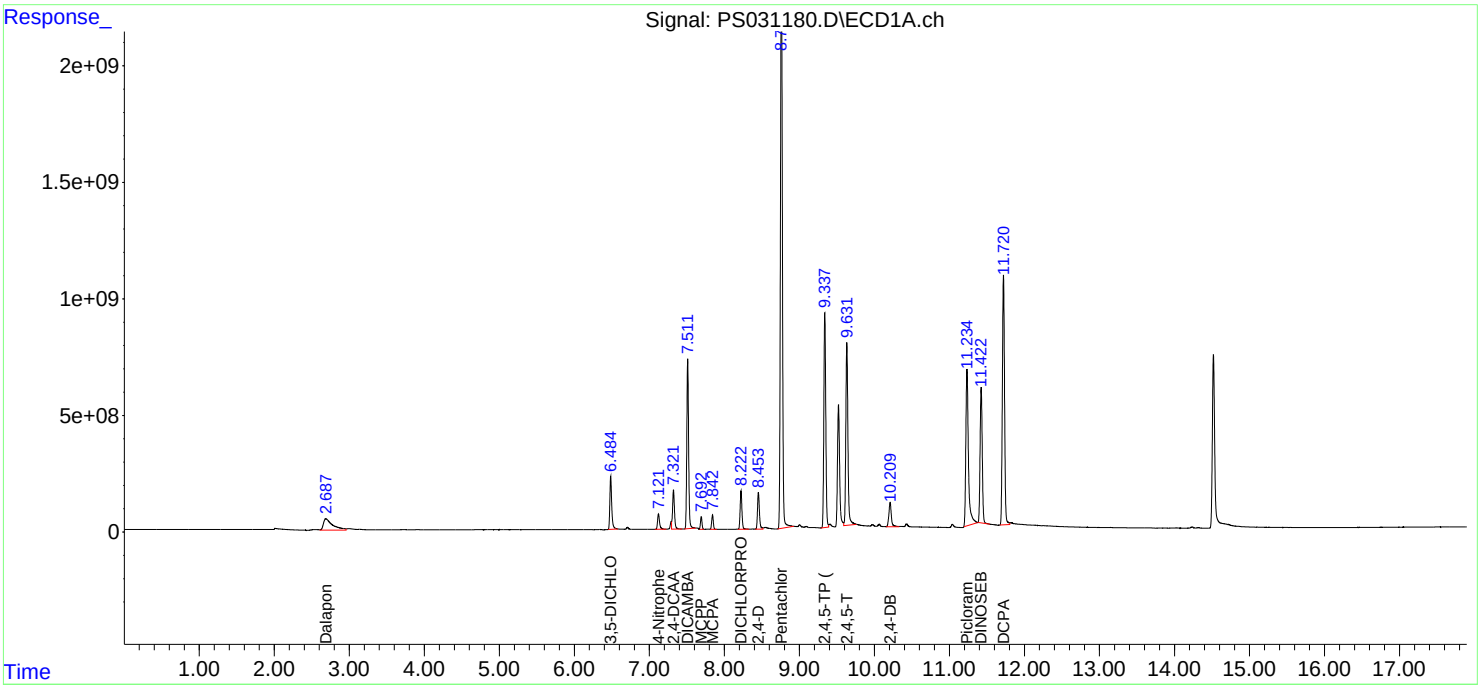
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

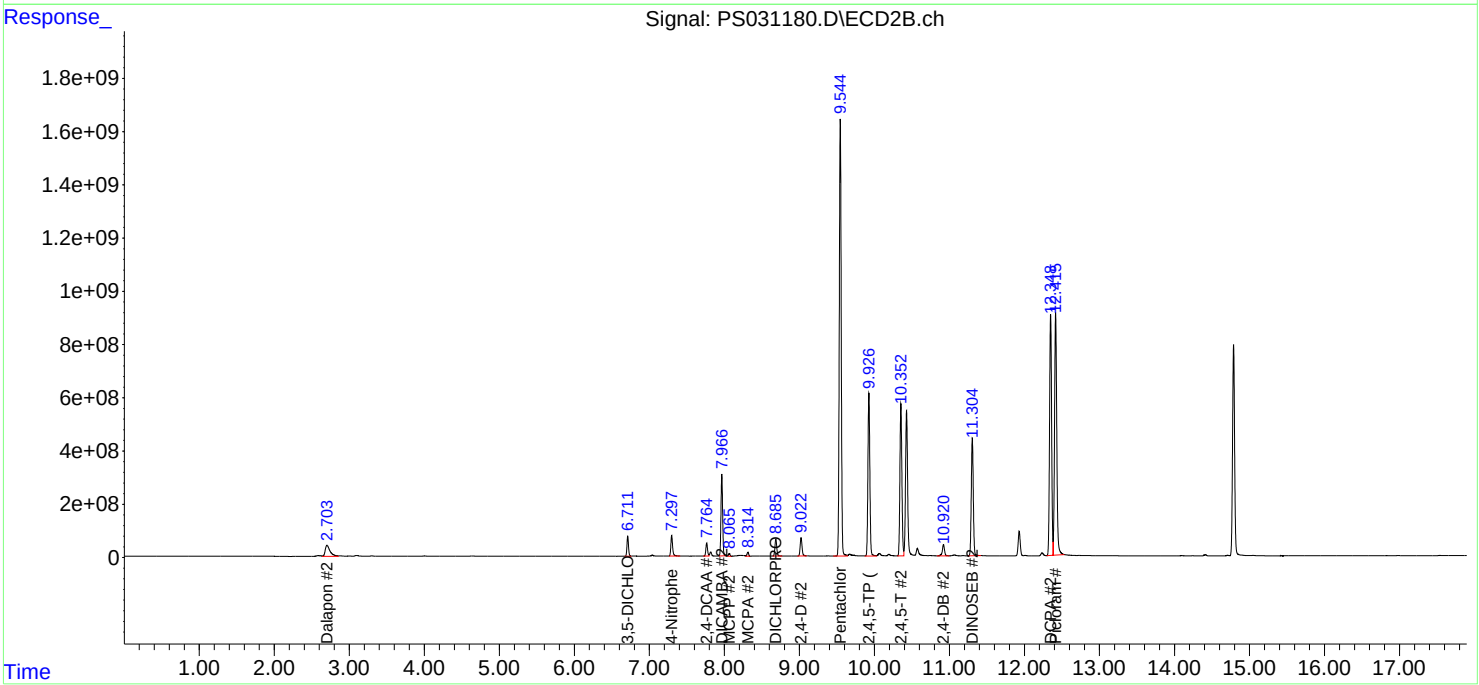
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:50
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

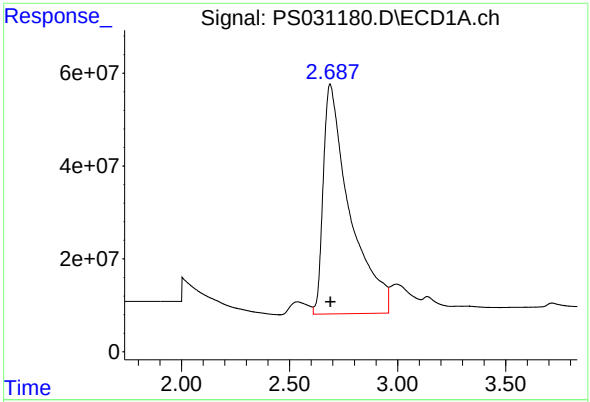
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



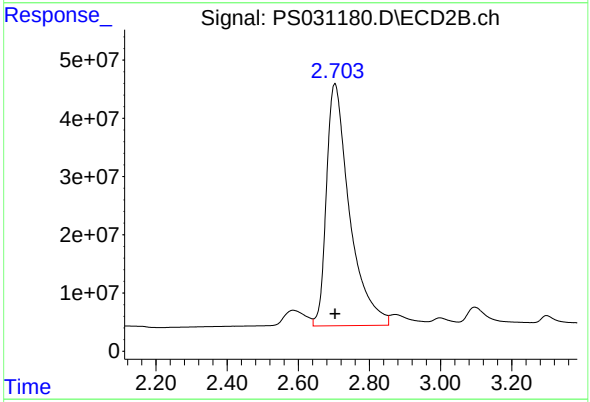




#1 Dalapon

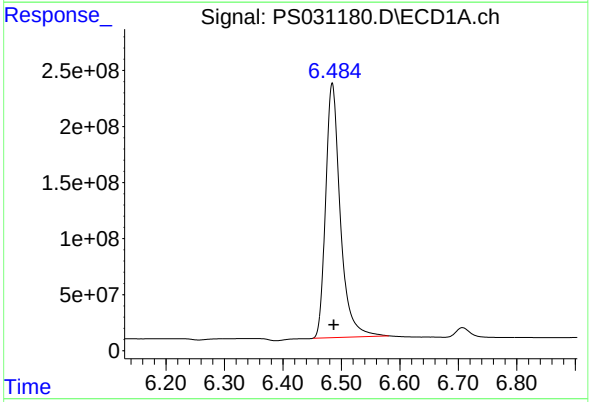
R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 4207326457
Conc: 670.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



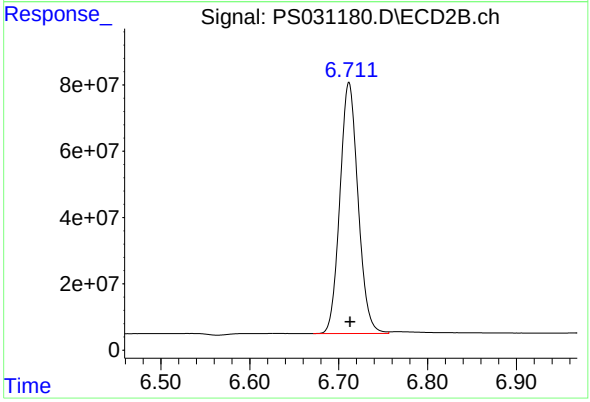
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1874376701
Conc: 660.75 ng/ml



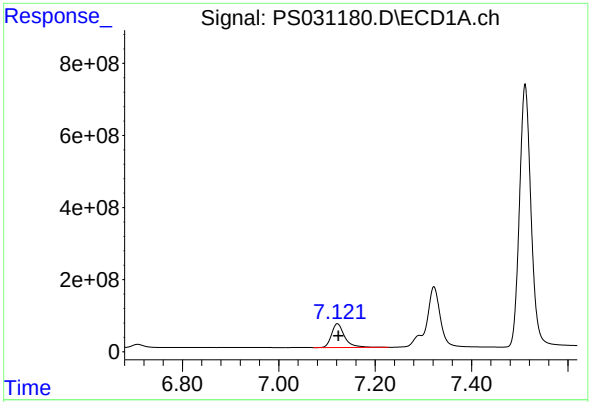
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 3952450159
Conc: 715.67 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

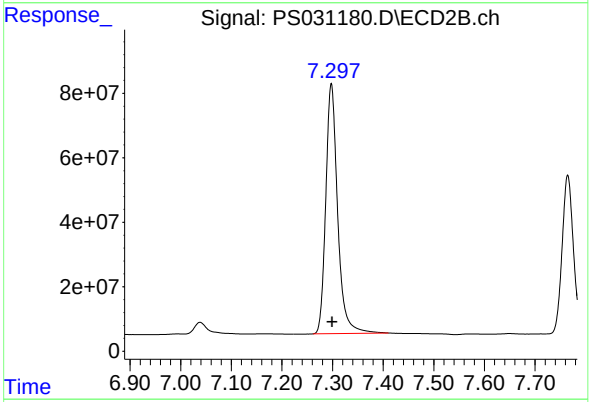
R.T.: 6.712 min
Delta R.T.: -0.001 min
Response: 1073654055
Conc: 697.23 ng/ml



#3 4-Nitrophenol

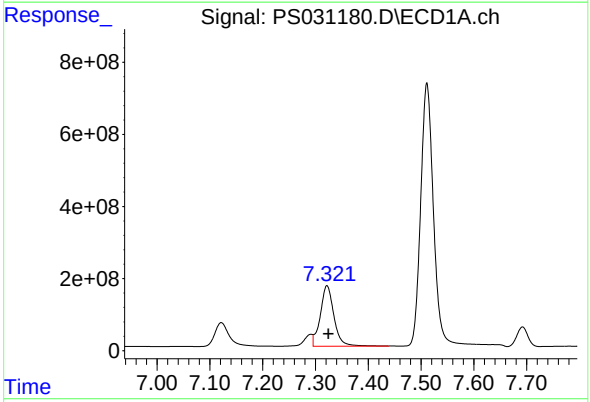
R.T.: 7.122 min
Delta R.T.: -0.002 min
Response: 1247668660
Conc: 756.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



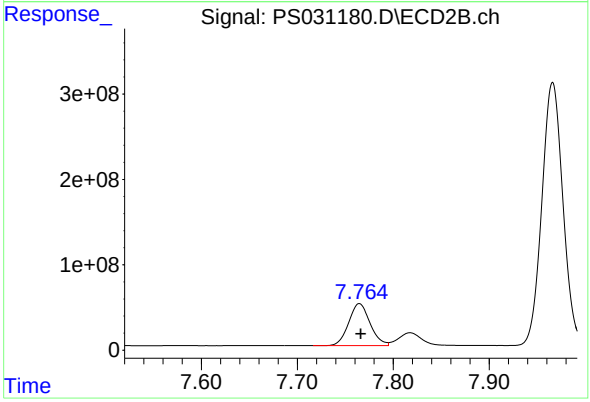
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 1263758471
Conc: 698.47 ng/ml



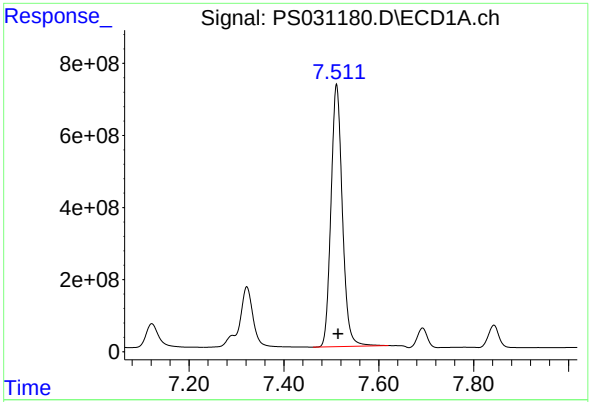
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 3007181033
Conc: 691.58 ng/ml



#4 2,4-DCAA

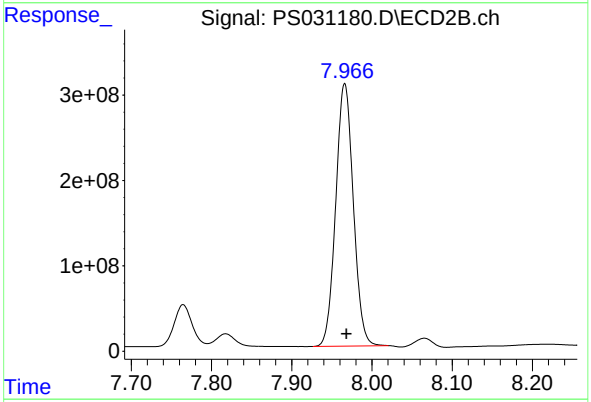
R.T.: 7.765 min
Delta R.T.: -0.001 min
Response: 765819028
Conc: 754.53 ng/ml



#5 DICAMBA

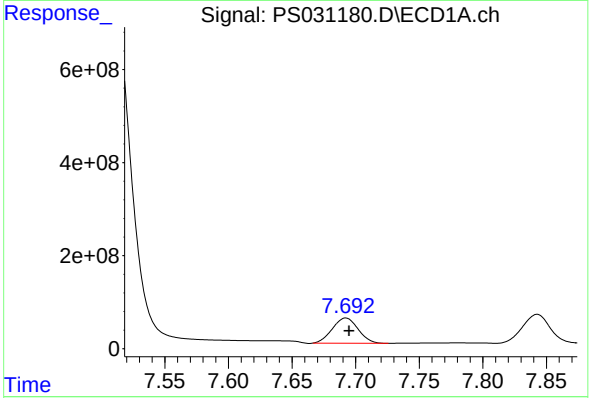
R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 12105226730
Conc: 733.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



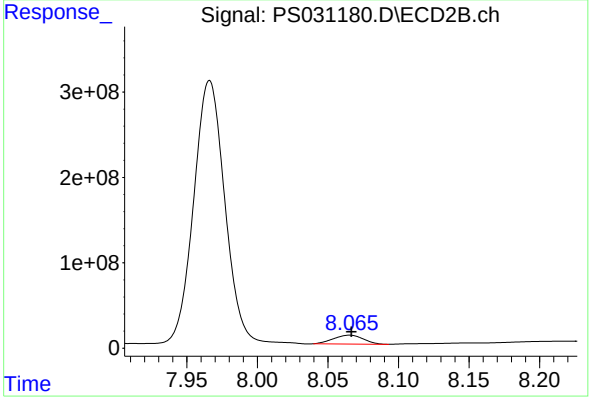
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4687789874
Conc: 726.41 ng/ml



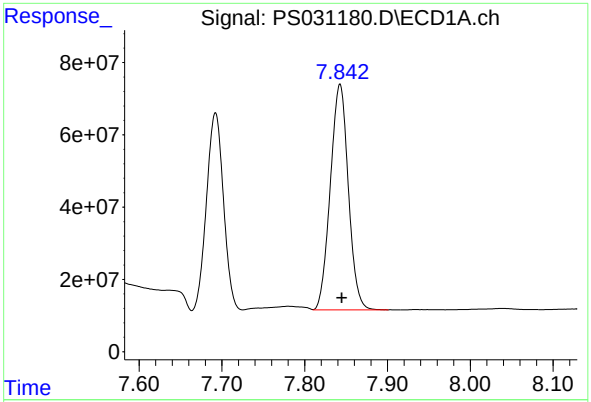
#6 MCPP

R.T.: 7.692 min
Delta R.T.: -0.003 min
Response: 767417710
Conc: 76.66 ug/ml



#6 MCPP

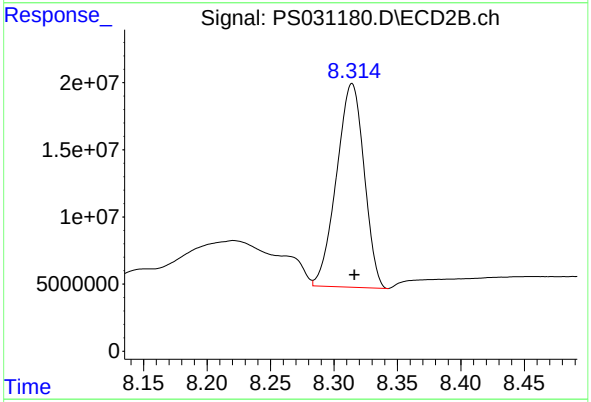
R.T.: 8.065 min
Delta R.T.: -0.001 min
Response: 153262654
Conc: 73.76 ug/ml



#7 MCPA

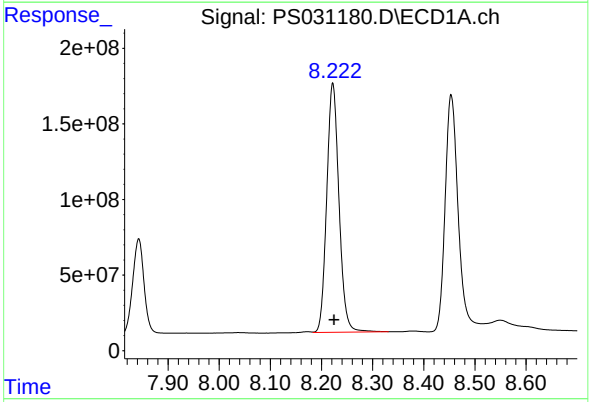
R.T.: 7.843 min
Delta R.T.: -0.002 min
Response: 944660895
Conc: 75.49 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



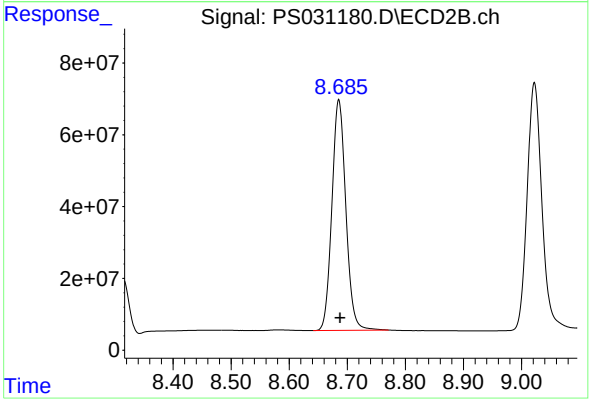
#7 MCPA

R.T.: 8.314 min
Delta R.T.: -0.002 min
Response: 229567106
Conc: 72.76 ug/ml



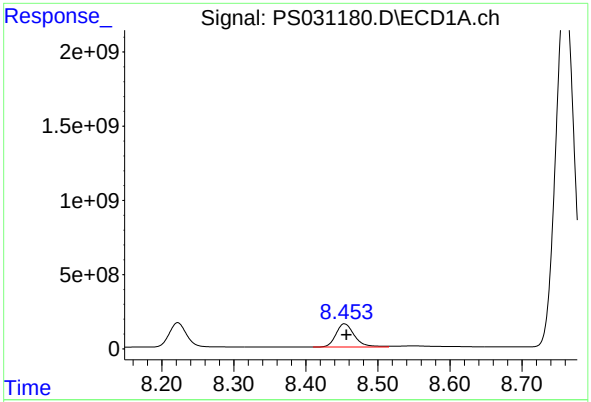
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.002 min
Response: 2741720548
Conc: 717.36 ng/ml



#8 DICHLORPROP

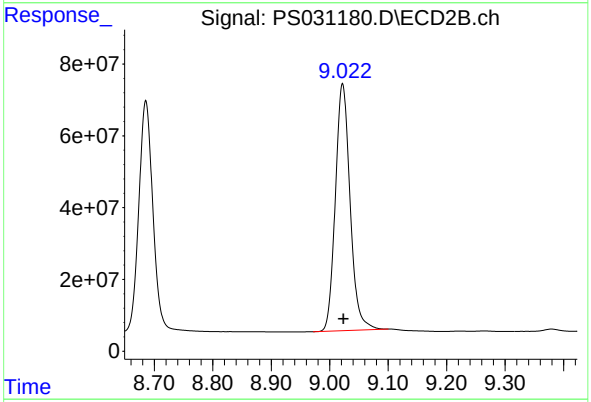
R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1070041462
Conc: 706.36 ng/ml



#9 2,4-D

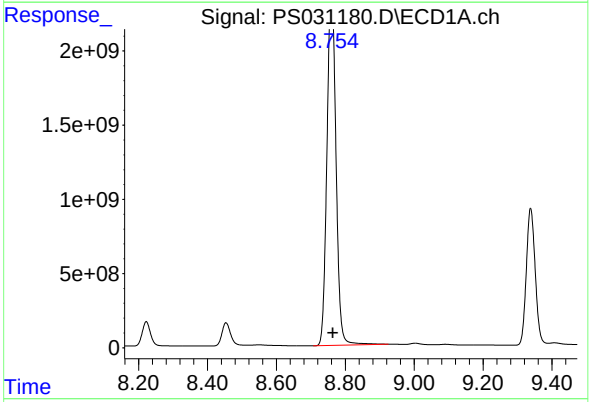
R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 2797245203
Conc: 748.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



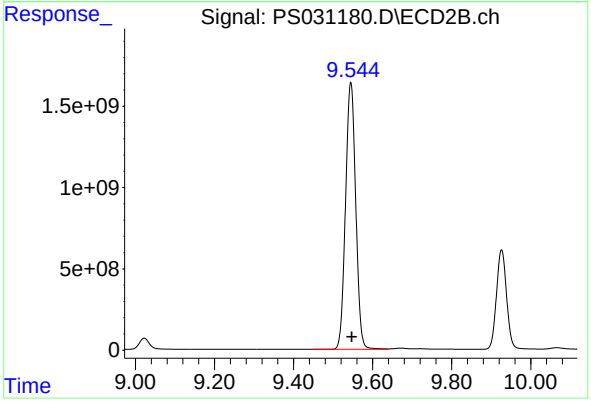
#9 2,4-D

R.T.: 9.022 min
Delta R.T.: -0.002 min
Response: 1204939145
Conc: 709.49 ng/ml



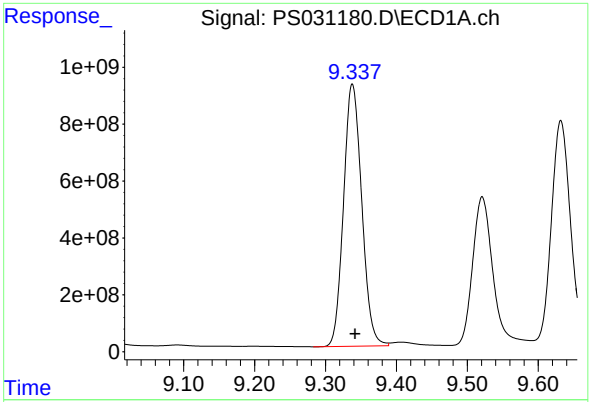
#10 Pentachlorophenol

R.T.: 8.762 min
Delta R.T.: -0.002 min
Response: 42413884133
Conc: 776.50 ng/ml



#10 Pentachlorophenol

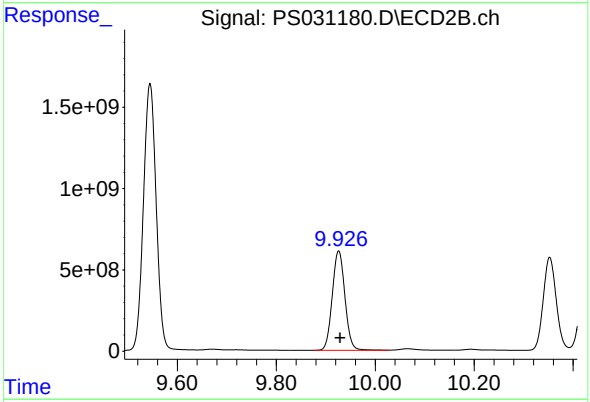
R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 29362681559
Conc: 751.32 ng/ml



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

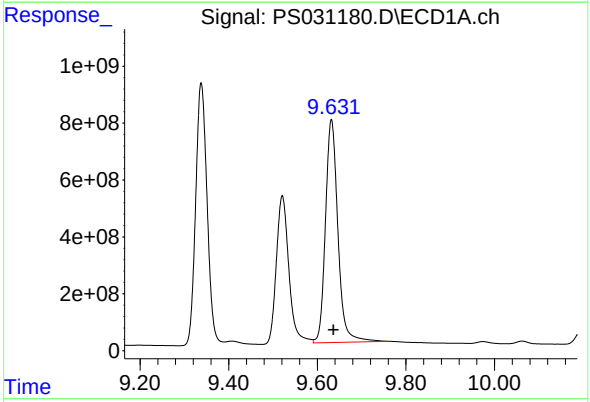
R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 16434315198
Conc: 748.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



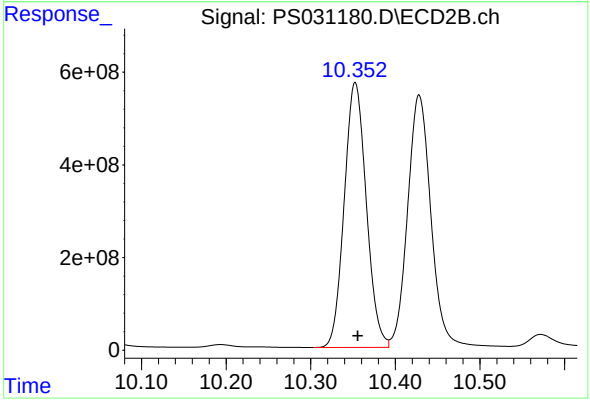
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 10865863483
Conc: 729.54 ng/ml



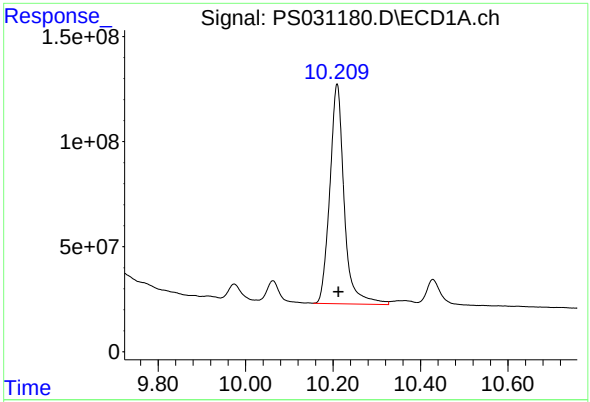
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 15267827951
Conc: 781.85 ng/ml



#12 2,4,5-T

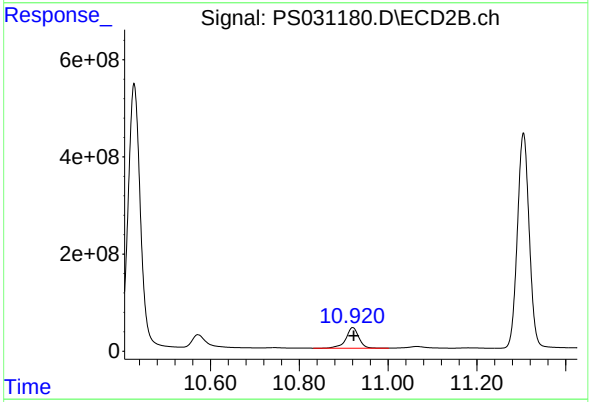
R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 10365333497
Conc: 728.95 ng/ml



#13 2,4-DB

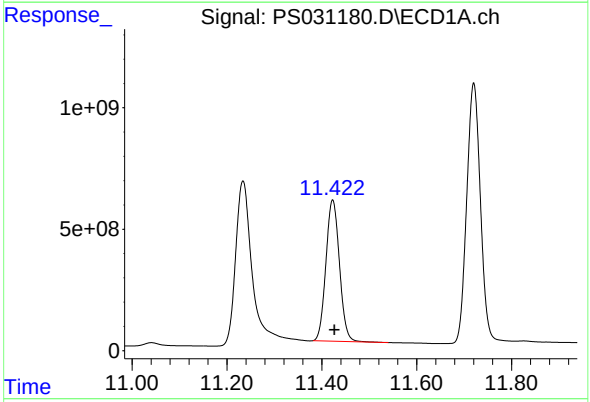
R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 2386831588
Conc: 798.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



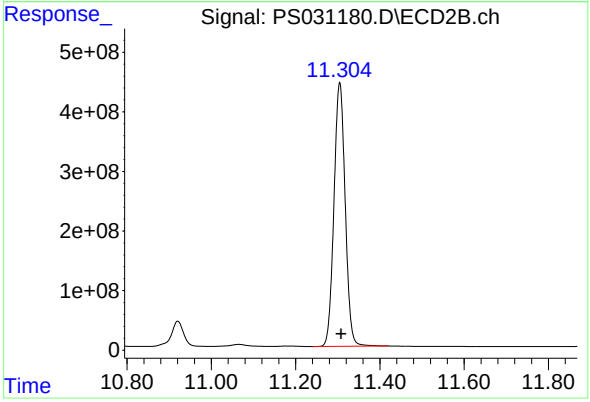
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 852241682
Conc: 728.09 ng/ml



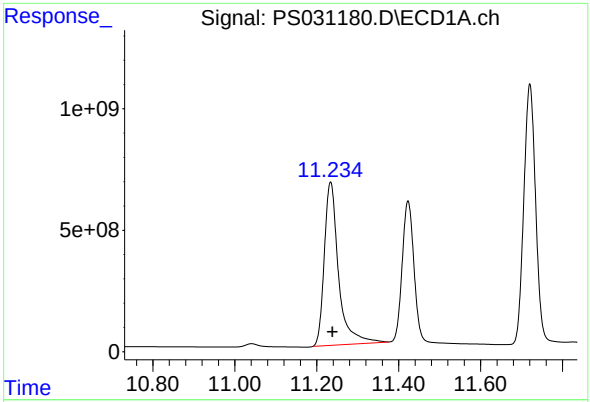
#14 DINOSEB

R.T.: 11.423 min
Delta R.T.: -0.004 min
Response: 11518607721
Conc: 739.82 ng/ml



#14 DINOSEB

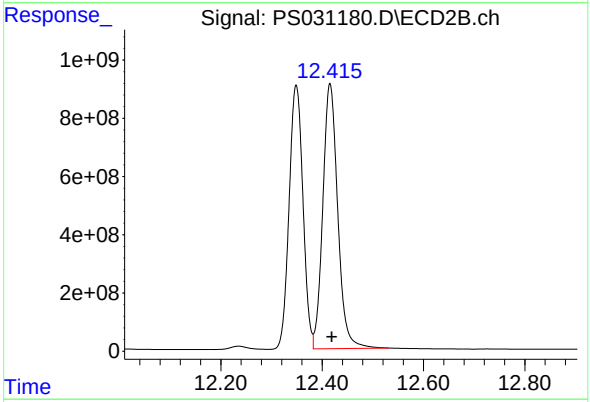
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 8178971594
Conc: 723.67 ng/ml



#15 Picloram

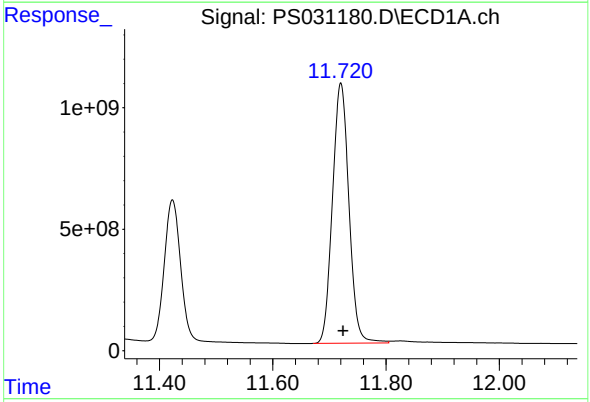
R.T.: 11.234 min
Delta R.T.: -0.005 min
Response: 16216315998
Conc: 810.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



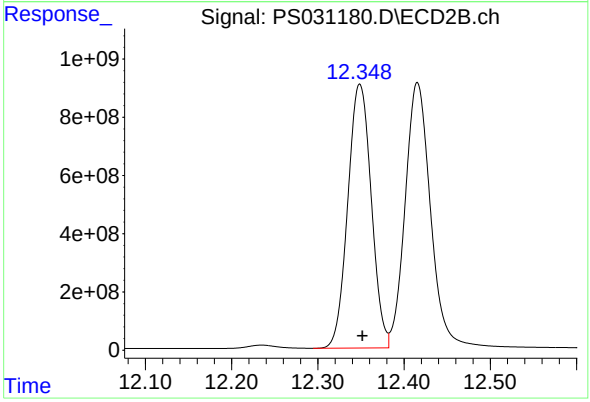
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.003 min
Response: 18579800923
Conc: 746.33 ng/ml



#16 DCPA

R.T.: 11.720 min
Delta R.T.: -0.004 min
Response: 21609603179
Conc: 753.12 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 17155656798
Conc: 744.73 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:57
Operator : AR\AJ
Sample : PB168945BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168945BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.322	7.765	2063.3E6	514.3E6	474.513	506.690
		Target Compounds						
1)	T	Dalapon	2.686	2.703	2836.9E6	1265.4E6	452.253	446.071
2)	T	3,5-DICHL...	6.484	6.712	2954.5E6	716.1E6	534.977	465.035
3)	T	4-Nitroph...	7.121	7.299	842.3E6	825.5E6	510.878	456.273
5)	T	DICAMBA	7.511	7.967	8153.2E6	3084.7E6	494.221	477.998
6)	T	MCPP	7.690	8.066	470.5E6	138.0E6	47.003	66.401 #
7)	T	MCPA	7.840	8.312	596.5E6	147.7E6	47.664	46.807
8)	T	DICHLORPROP	8.222	8.686	1876.4E6	728.9E6	490.953	481.148
9)	T	2,4-D	8.454	9.023	2301.4E6	813.0E6	616.181	478.705
10)	T	Pentachlo...	8.759	9.545	29745.8E6	19677.7E6	544.580	503.507
11)	T	2,4,5-TP ...	9.338	9.926	11211.0E6	7260.8E6	510.670	487.490
12)	T	2,4,5-T	9.632	10.353	10292.3E6	6906.8E6	527.057	485.731
13)	T	2,4-DB	10.208	10.921	1569.6E6	577.9E6	524.984	493.736
14)	T	DINOSEB	11.422	11.305	7848.8E6	5451.6E6	504.116	482.349
15)	T	Picloram	11.234	12.416	10332.8E6	11638.2E6	516.471	467.492
16)	T	DCPA	11.719	12.350	14880.0E6	10312.1E6	518.585	447.652

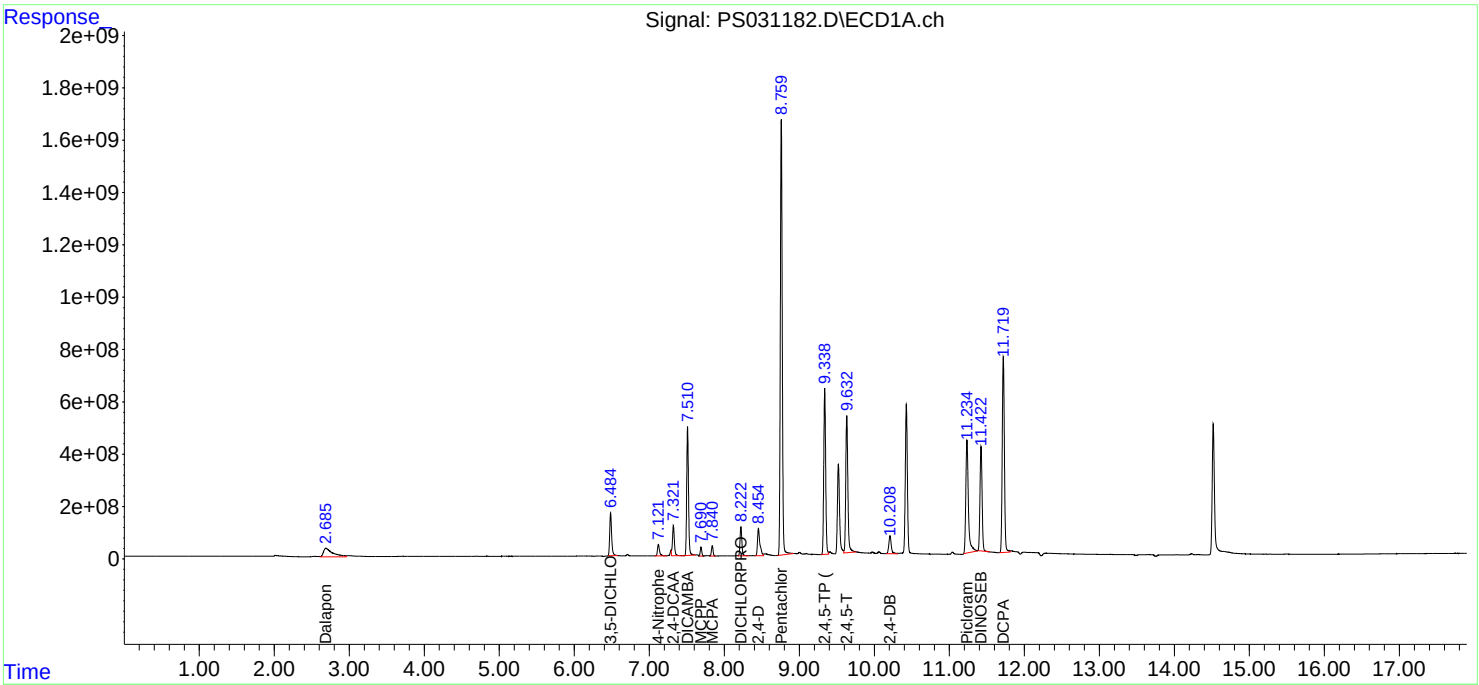
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

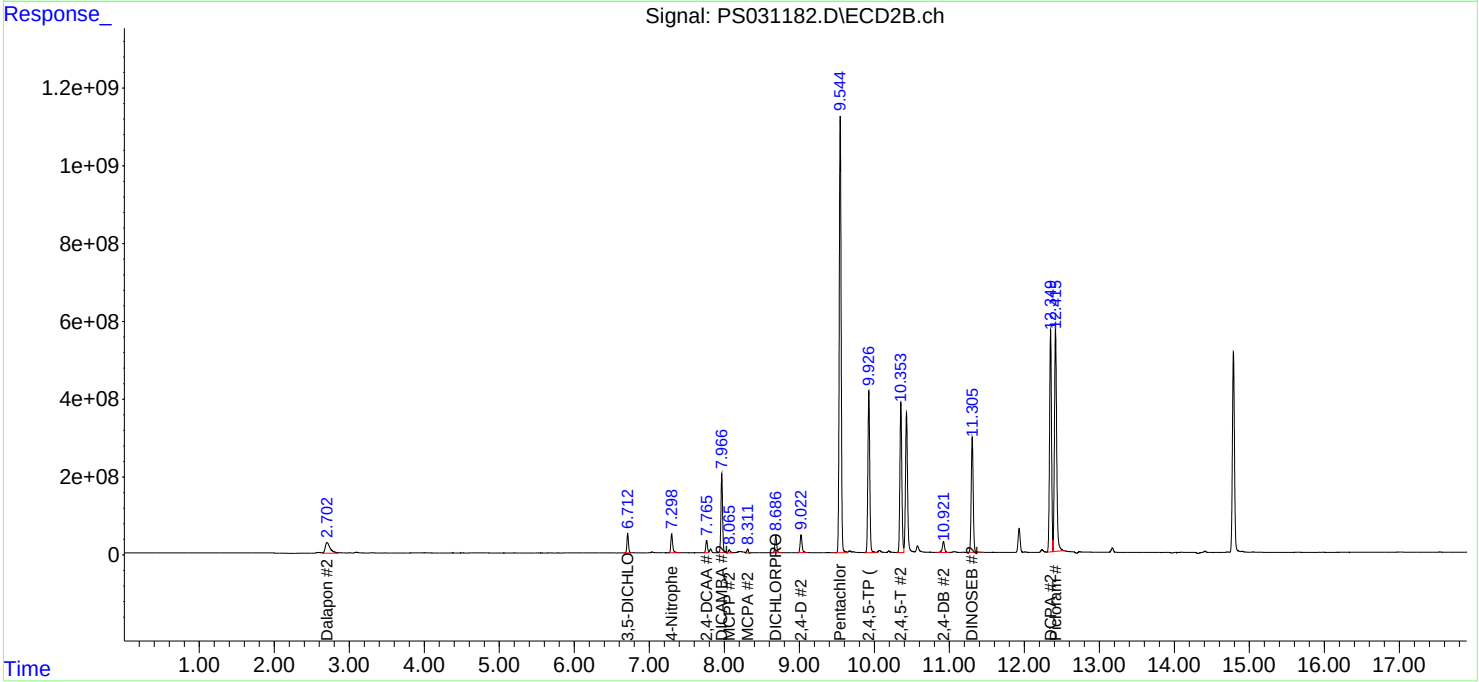
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:57
Operator : AR\AJ
Sample : PB168945BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

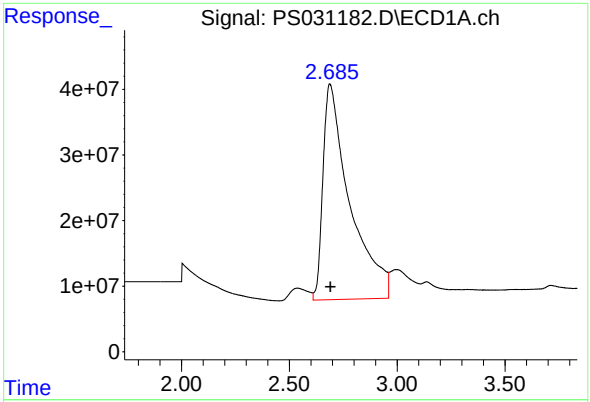
Instrument :
ECD_S
ClientSampleId :
PB168945BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



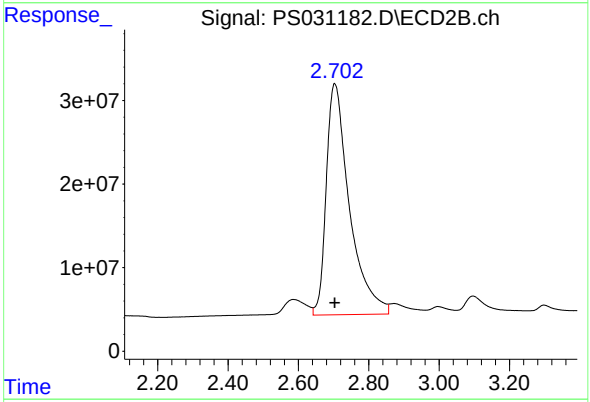




#1 Dalapon

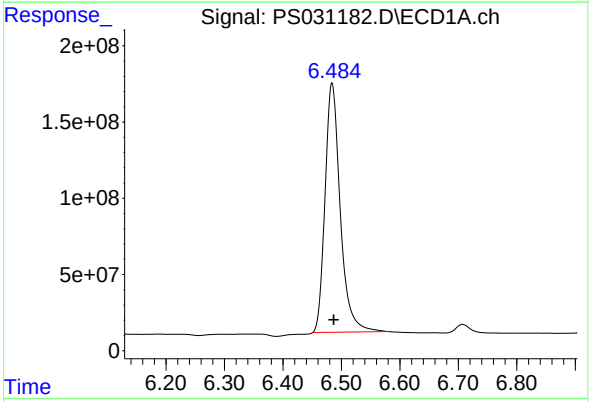
R.T.: 2.686 min
Delta R.T.: -0.004 min
Response: 2836942675
Conc: 452.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



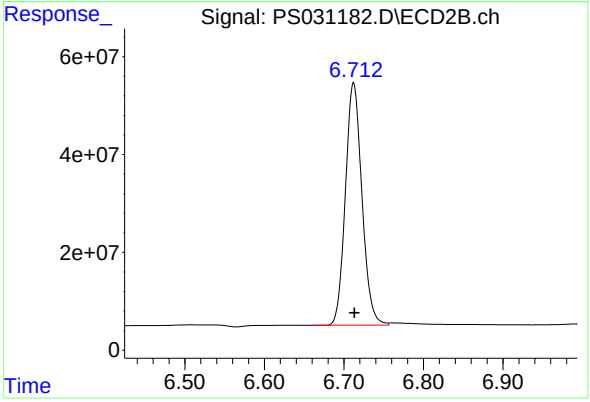
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1265386376
Conc: 446.07 ng/ml



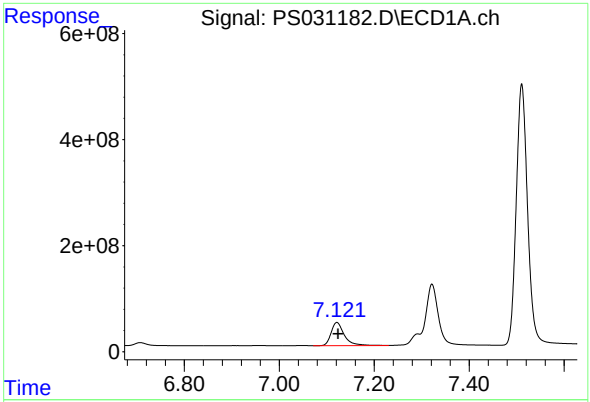
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 2954544378
Conc: 534.98 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

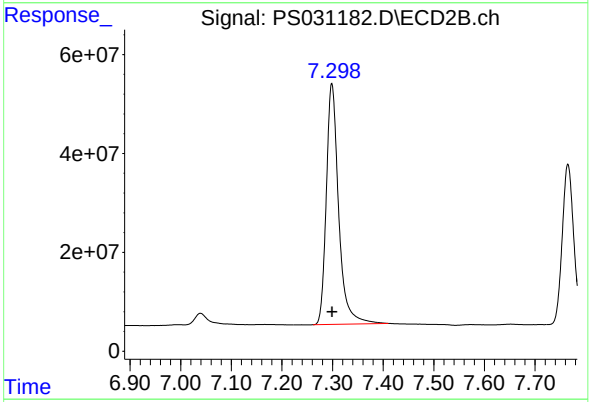
R.T.: 6.712 min
Delta R.T.: 0.000 min
Response: 716105055
Conc: 465.04 ng/ml



#3 4-Nitrophenol

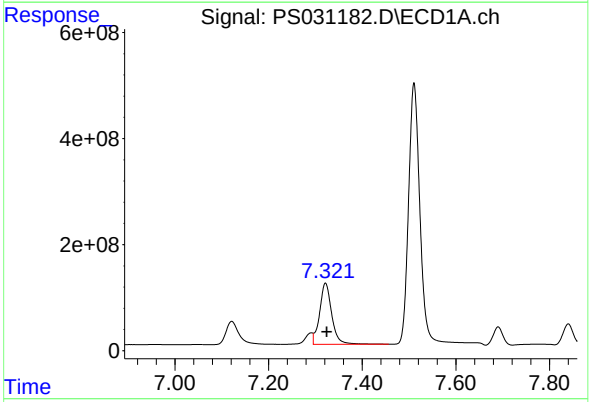
R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 842327512
Conc: 510.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



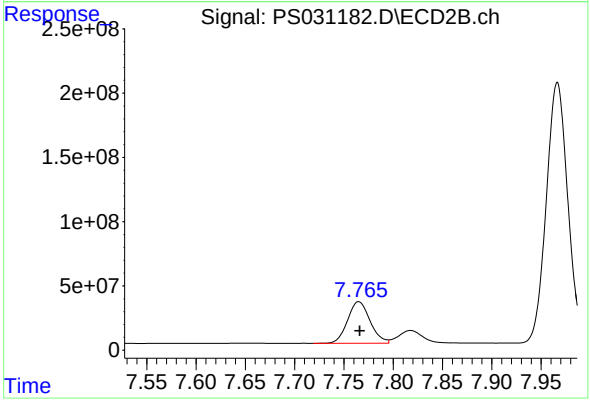
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 825542788
Conc: 456.27 ng/ml



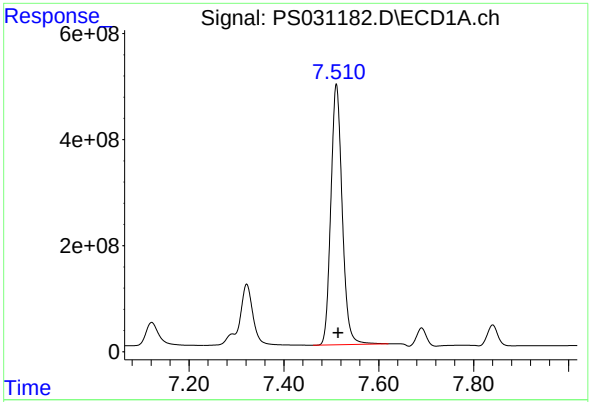
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 2063302263
Conc: 474.51 ng/ml



#4 2,4-DCAA

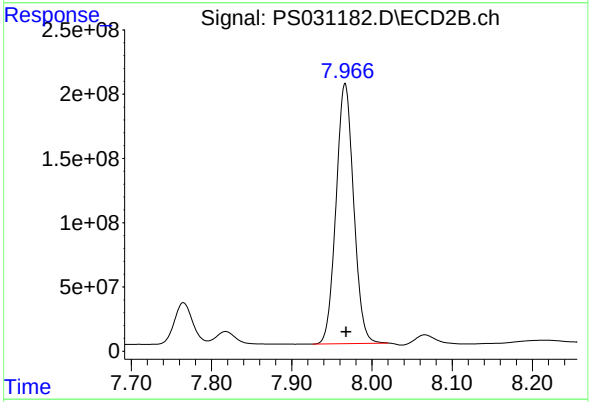
R.T.: 7.765 min
Delta R.T.: -0.001 min
Response: 514273960
Conc: 506.69 ng/ml



#5 DICAMBA

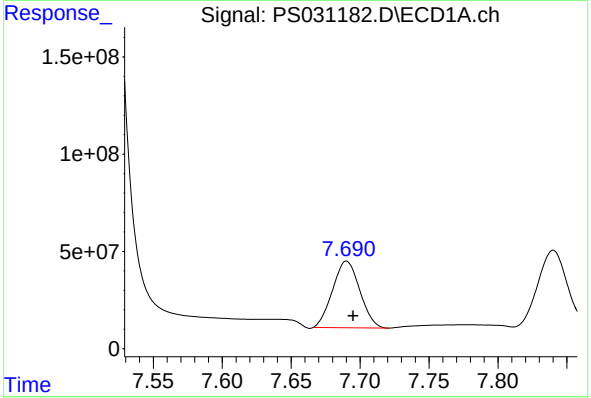
R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 8153150517
Conc: 494.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



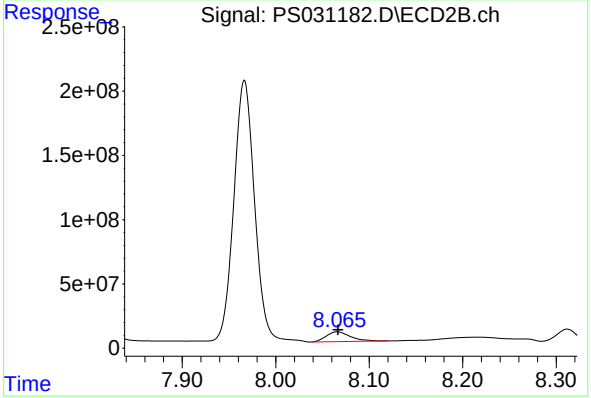
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.001 min
Response: 3084698759
Conc: 478.00 ng/ml



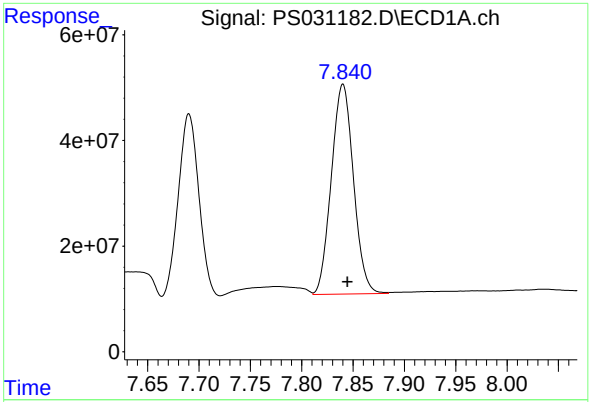
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.005 min
Response: 470504704
Conc: 47.00 ug/ml



#6 MCPP

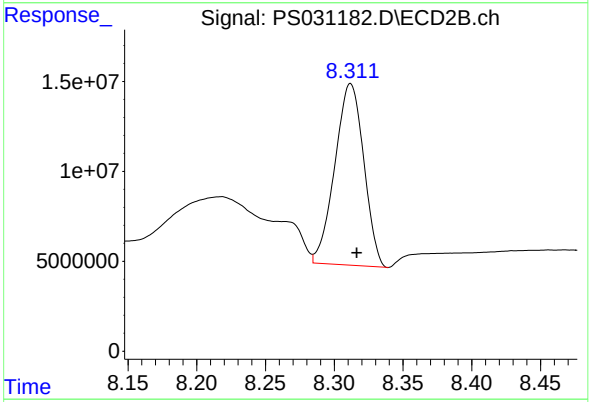
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 137967938
Conc: 66.40 ug/ml



#7 MCPA

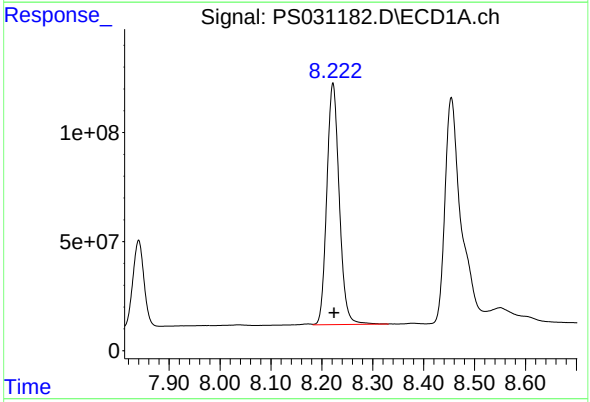
R.T.: 7.840 min
Delta R.T.: -0.004 min
Response: 596472365
Conc: 47.66 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



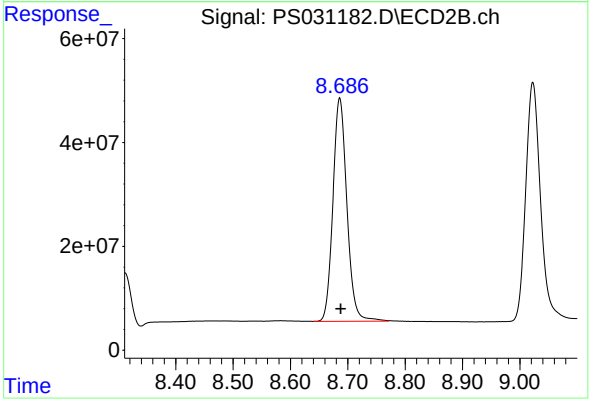
#7 MCPA

R.T.: 8.312 min
Delta R.T.: -0.004 min
Response: 147684649
Conc: 46.81 ug/ml



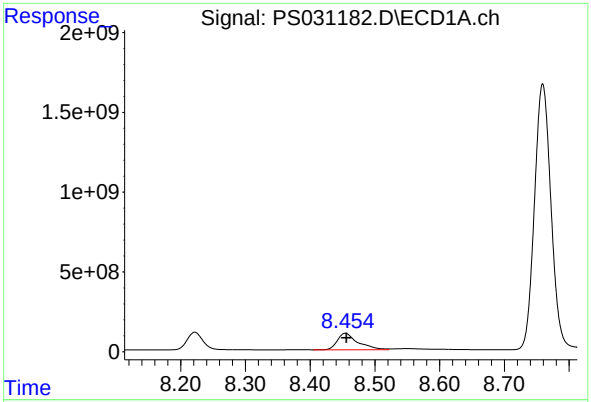
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.003 min
Response: 1876398601
Conc: 490.95 ng/ml



#8 DICHLORPROP

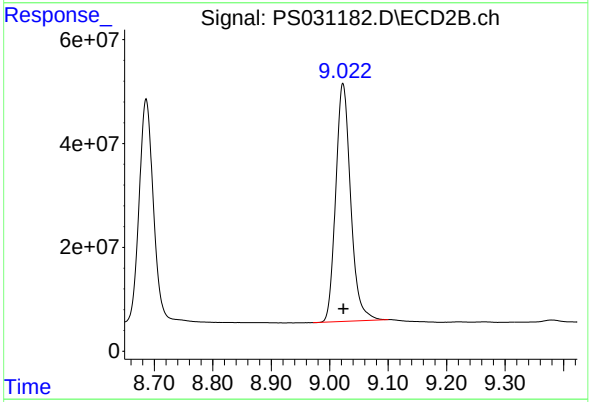
R.T.: 8.686 min
Delta R.T.: -0.002 min
Response: 728871327
Conc: 481.15 ng/ml



#9 2,4-D

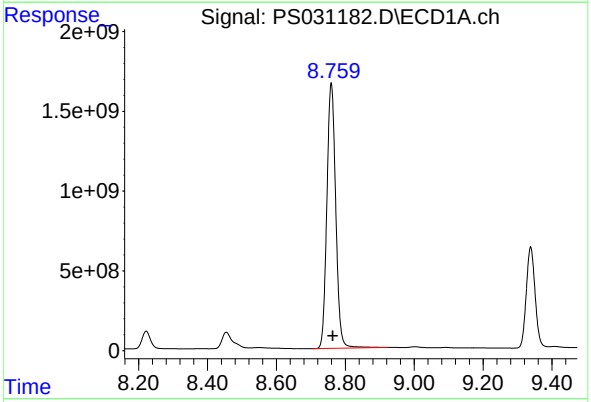
R.T.: 8.454 min
Delta R.T.: -0.002 min
Response: 2301386343
Conc: 616.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



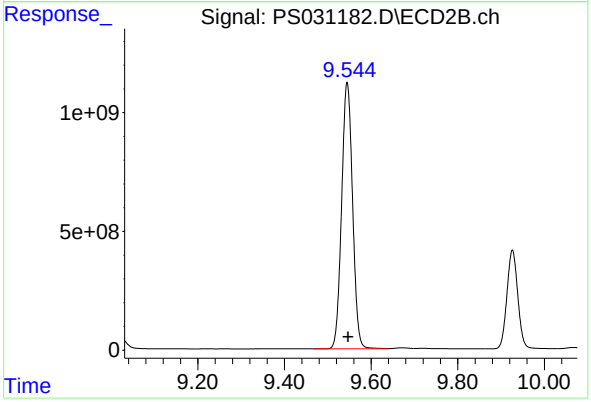
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: -0.001 min
Response: 812993476
Conc: 478.70 ng/ml



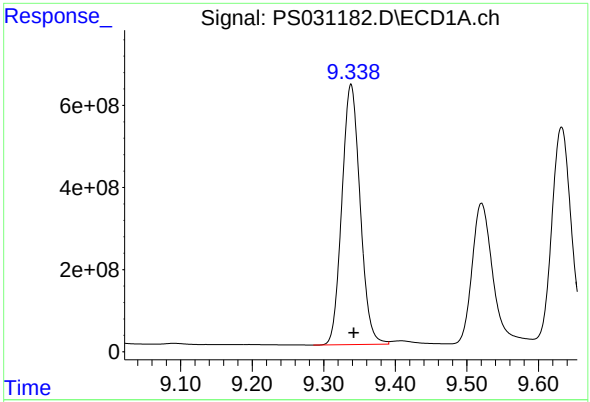
#10 Pentachlorophenol

R.T.: 8.759 min
Delta R.T.: -0.005 min
Response: 29745788032
Conc: 544.58 ng/ml



#10 Pentachlorophenol

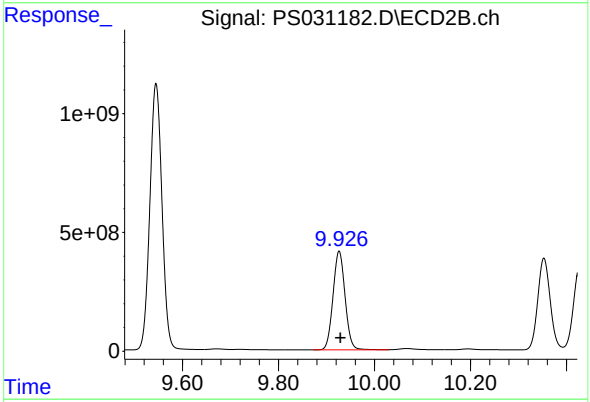
R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 19677661106
Conc: 503.51 ng/ml



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

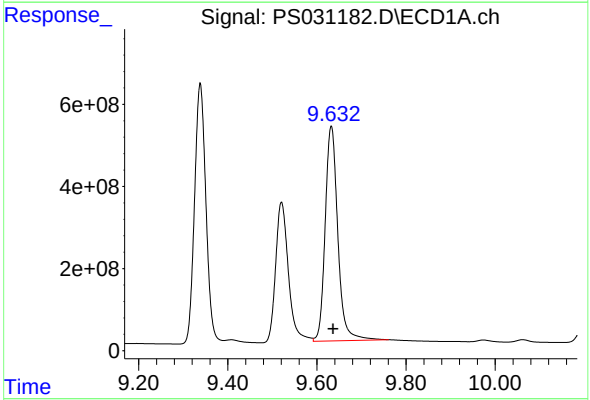
R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 11211030710
Conc: 510.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



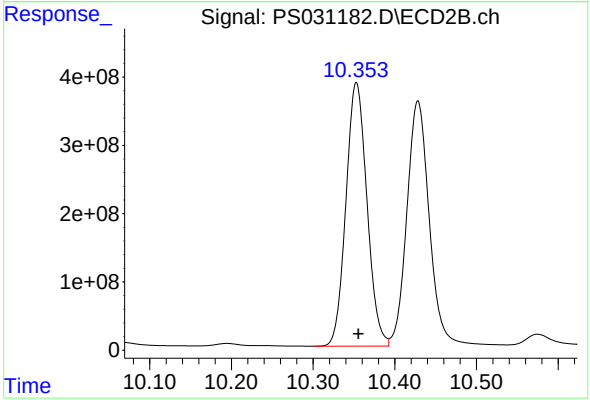
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 7260766965
Conc: 487.49 ng/ml



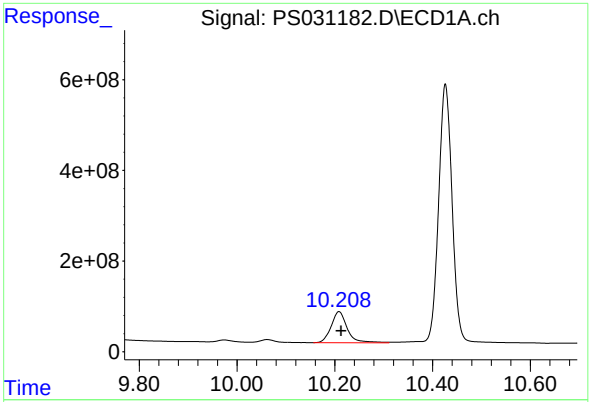
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 10292257681
Conc: 527.06 ng/ml



#12 2,4,5-T

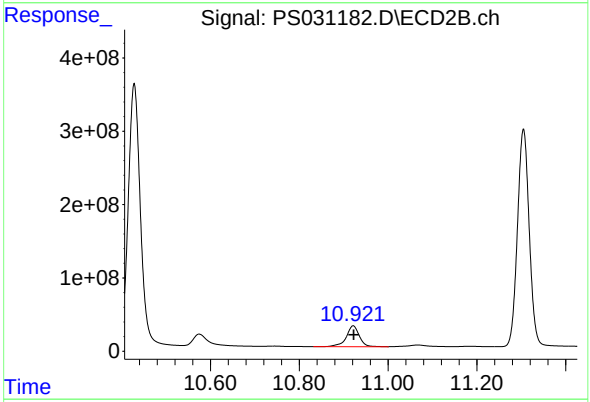
R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 6906832805
Conc: 485.73 ng/ml



#13 2,4-DB

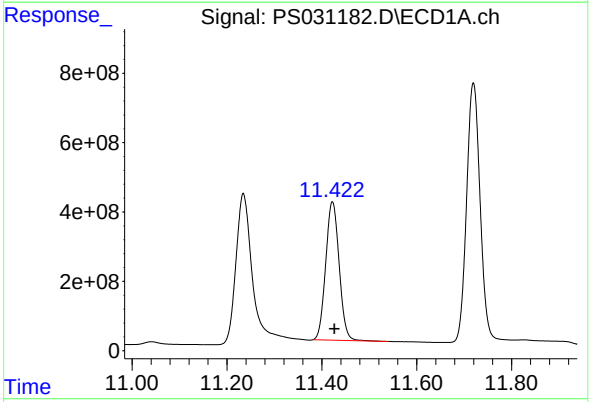
R.T.: 10.208 min
Delta R.T.: -0.004 min
Response: 1569642134
Conc: 524.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



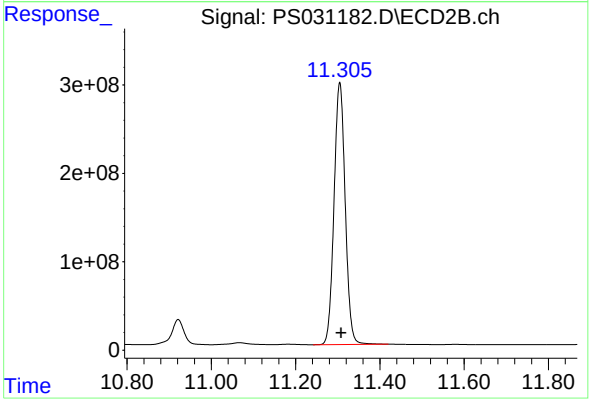
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.001 min
Response: 577923716
Conc: 493.74 ng/ml



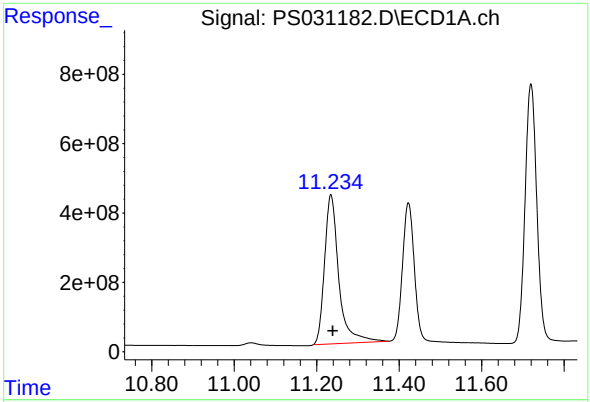
#14 DINOSEB

R.T.: 11.422 min
Delta R.T.: -0.004 min
Response: 7848827519
Conc: 504.12 ng/ml



#14 DINOSEB

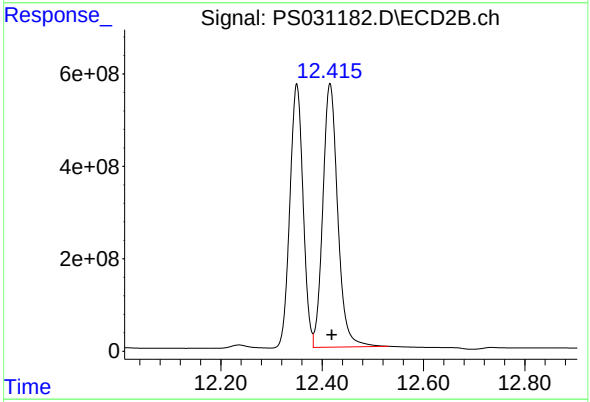
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 5451552613
Conc: 482.35 ng/ml



#15 Picloram

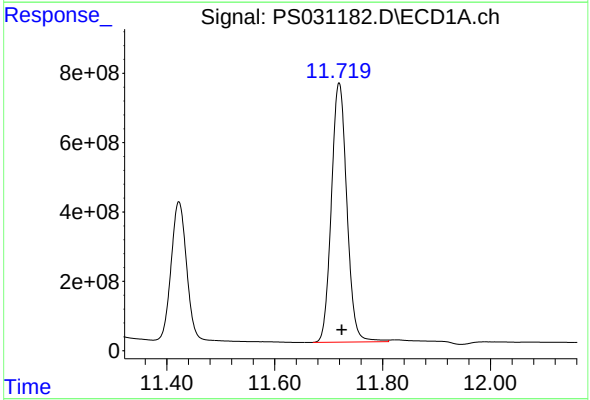
R.T.: 11.234 min
Delta R.T.: -0.004 min
Response: 10332826266
Conc: 516.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



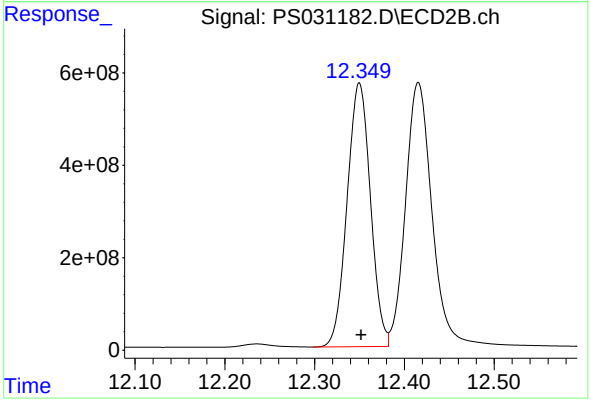
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.003 min
Response: 11638226865
Conc: 467.49 ng/ml



#16 DCPA

R.T.: 11.719 min
Delta R.T.: -0.005 min
Response: 14880001208
Conc: 518.58 ng/ml



#16 DCPA

R.T.: 12.350 min
Delta R.T.: -0.002 min
Response: 10312133648
Conc: 447.65 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:19:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.322	7.764	3382.3E6	793.2E6	777.845	781.487
		Target Compounds						
1)	T	Dalapon	2.688	2.704	4141.5E6	1913.9E6	660.218	674.696
2)	T	3,5-DICHL...	6.484	6.711	3986.0E6	1110.3E6	721.734	721.050
3)	T	4-Nitroph...	7.121	7.297	1332.8E6	1299.8E6	808.378	718.409
5)	T	DICAMBA	7.511	7.966	12255.7E6	4842.0E6	742.908	750.309
6)	T	MCPP	7.693	8.066	800.6E6	154.5E6	79.979	74.378
7)	T	MCPA	7.843	8.315	978.7E6	229.2E6	78.209	72.648
8)	T	DICHLORPROP	8.221	8.685	2810.8E6	1092.1E6	735.444	720.944
9)	T	2,4-D	8.453	9.021	2923.3E6	1239.9E6	782.686	730.046
10)	T	Pentachlo...	8.763	9.545	43026.2E6	29838.3E6	787.715	763.496
11)	T	2,4,5-TP ...	9.338	9.926	16792.4E6	11058.6E6	764.907	742.479
12)	T	2,4,5-T	9.631	10.353	15948.0E6	10612.2E6	816.682	746.314
13)	T	2,4-DB	10.208	10.920	2653.5E6	867.4E6	887.496	741.069
14)	T	DINOSEB	11.422	11.305	11277.2E6	8077.5E6	724.316	714.687
15)	T	Picloram	11.232	12.414	17960.6E6	18888.7E6	897.734	758.733
16)	T	DCPA	11.719	12.349	21597.4E6	17309.0E6	752.695	751.388

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

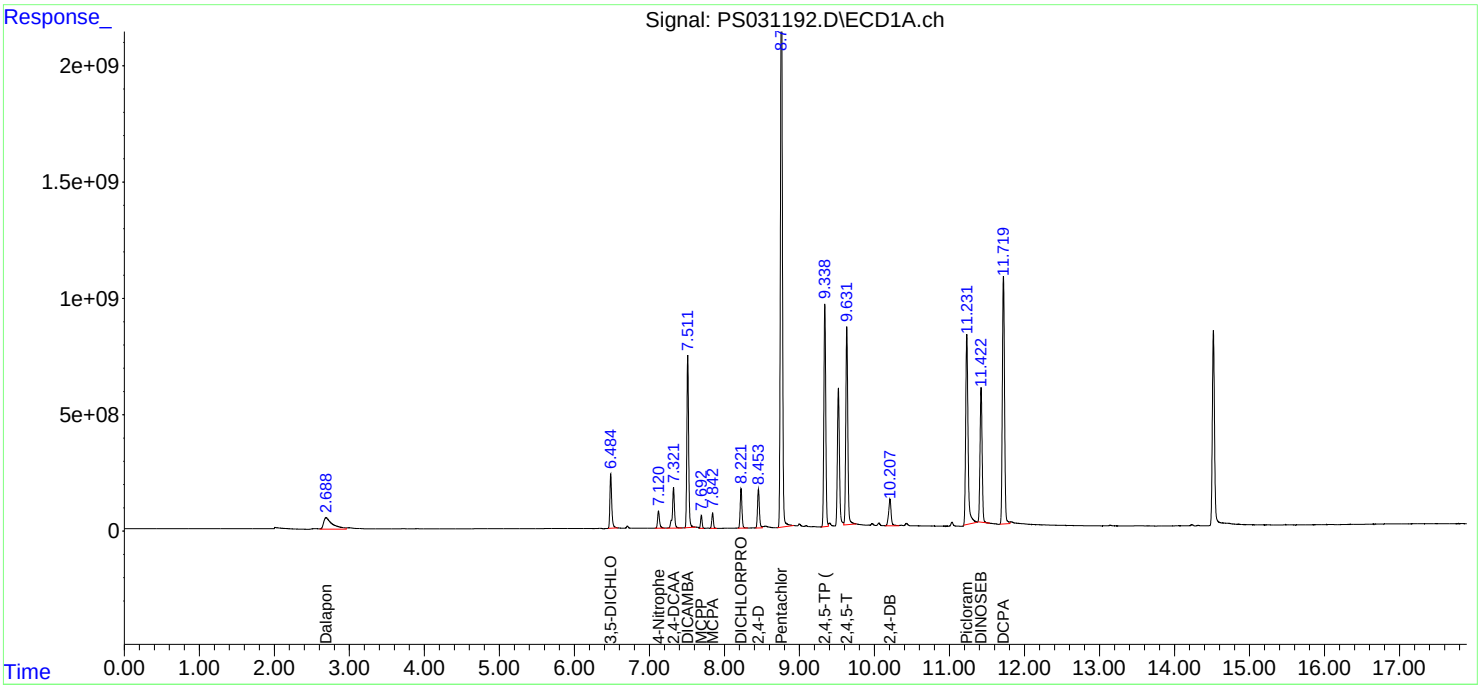
Quantitation Report (Not Reviewed)

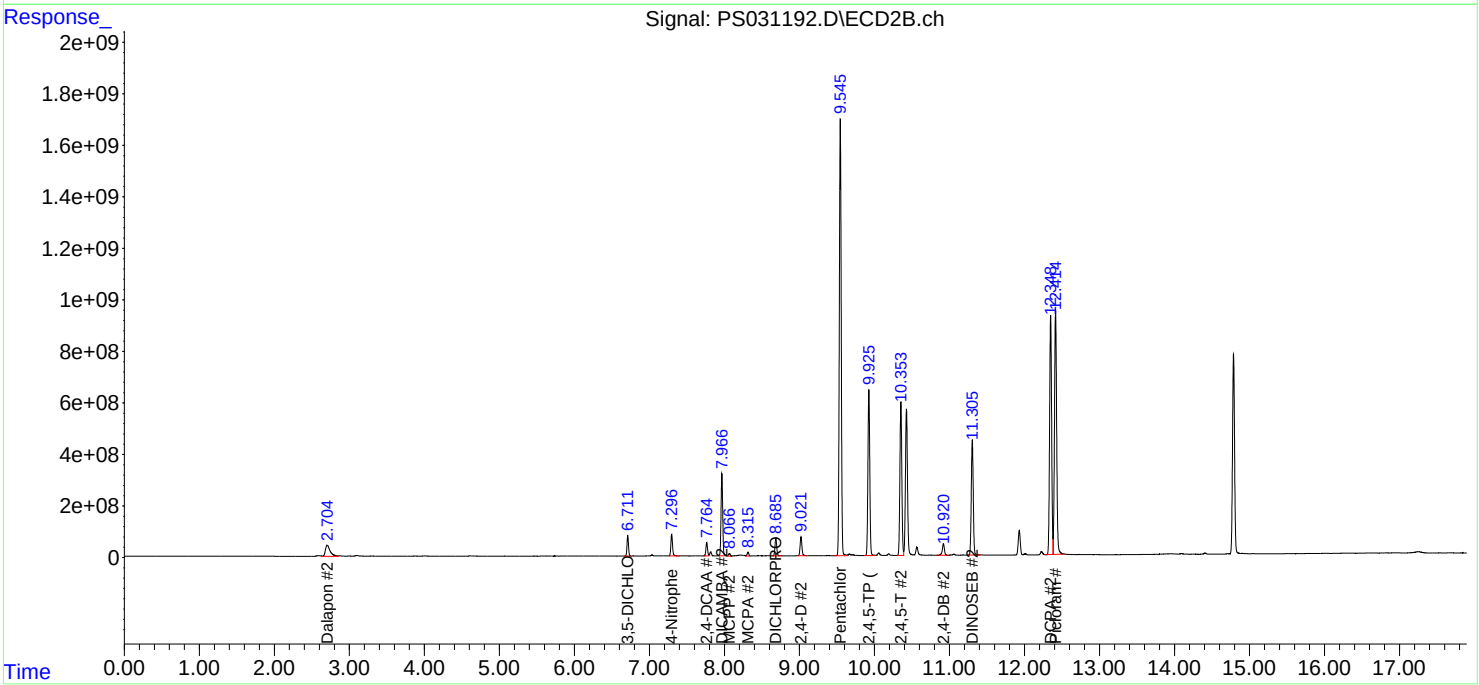
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

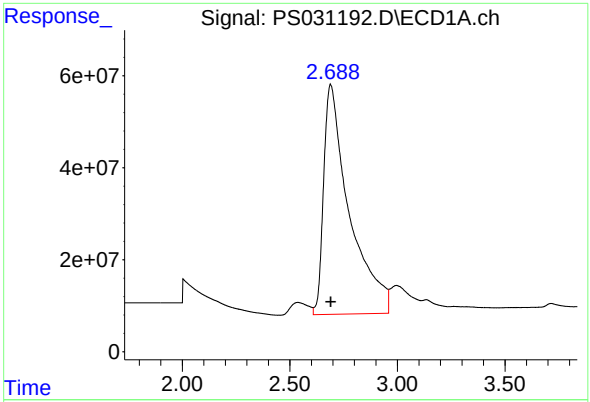
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:19:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



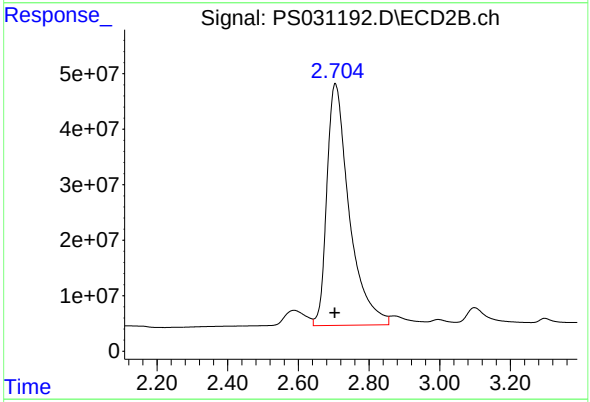




#1 Dalapon

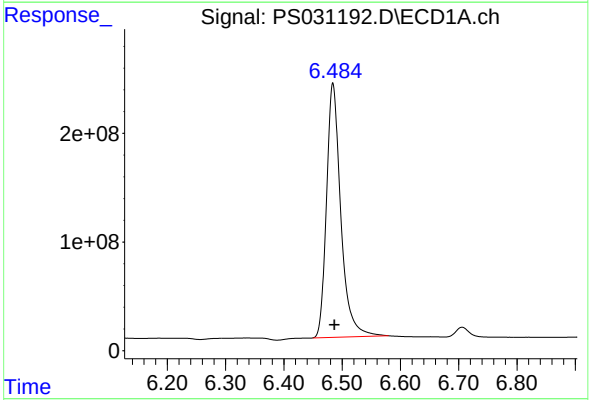
R.T.: 2.688 min
Delta R.T.: -0.002 min
Response: 4141483354
Conc: 660.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



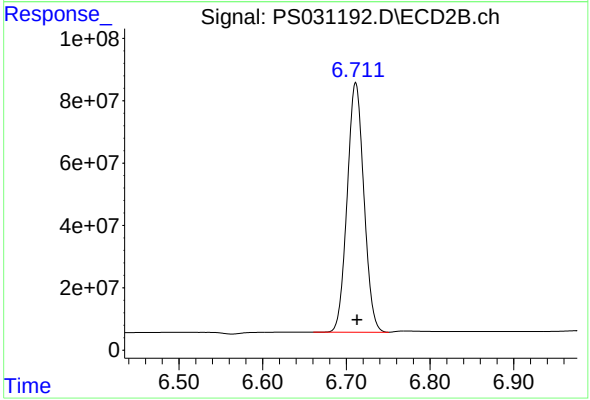
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1913937807
Conc: 674.70 ng/ml



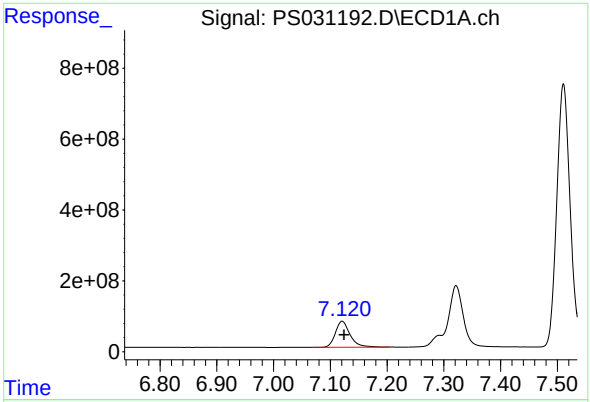
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 3985954838
Conc: 721.73 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

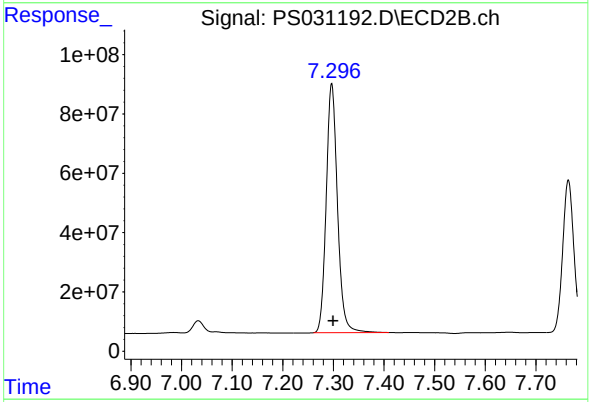
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1110340141
Conc: 721.05 ng/ml



#3 4-Nitrophenol

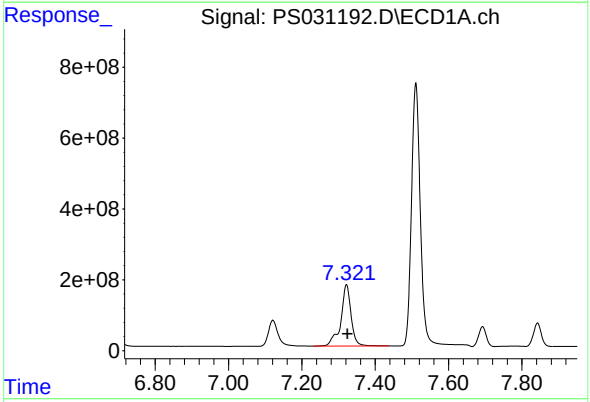
R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 1332841881
Conc: 808.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



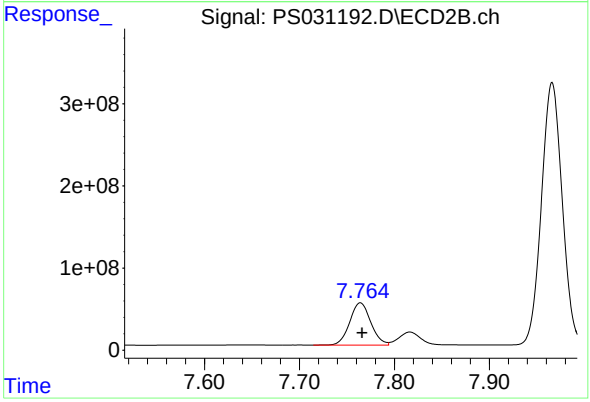
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 1299829815
Conc: 718.41 ng/ml



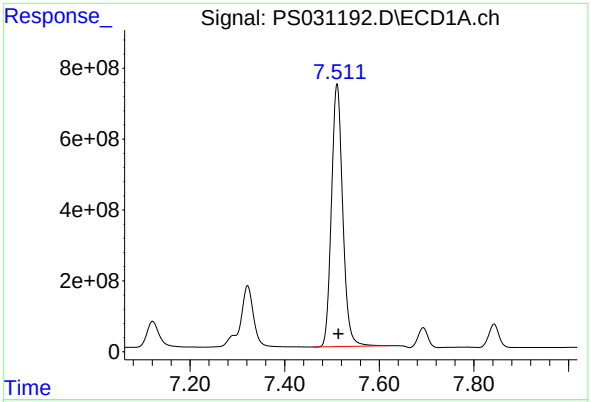
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 3382268835
Conc: 777.85 ng/ml



#4 2,4-DCAA

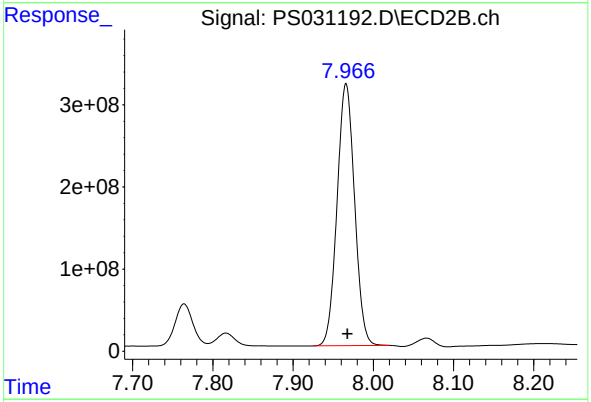
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 793184080
Conc: 781.49 ng/ml



#5 DICAMBA

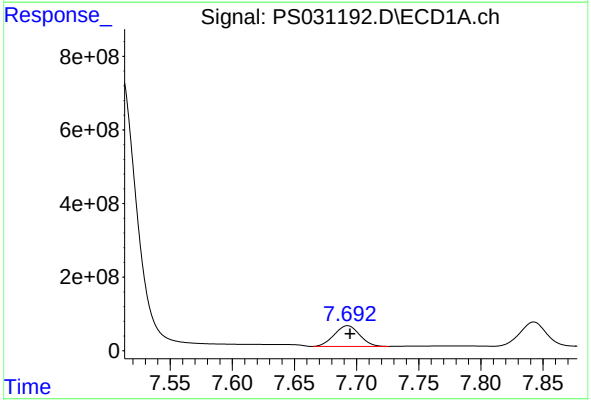
R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 12255723318
Conc: 742.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



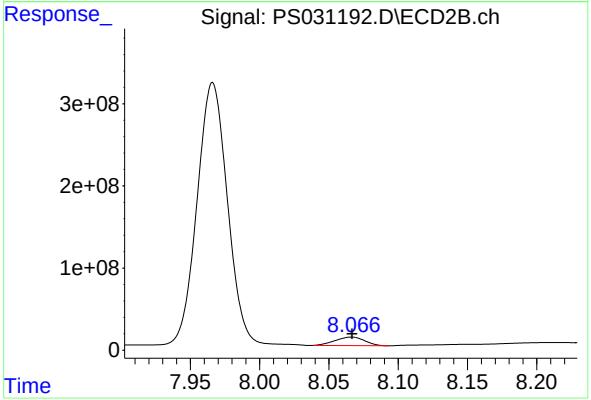
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4842019591
Conc: 750.31 ng/ml



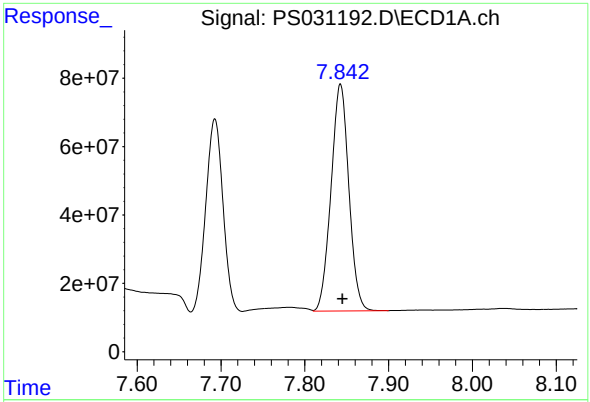
#6 MCPP

R.T.: 7.693 min
Delta R.T.: -0.002 min
Response: 800590773
Conc: 79.98 ug/ml



#6 MCPP

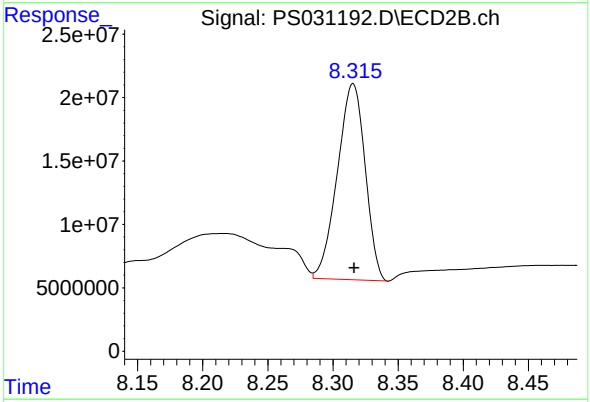
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 154542235
Conc: 74.38 ug/ml



#7 MCPA

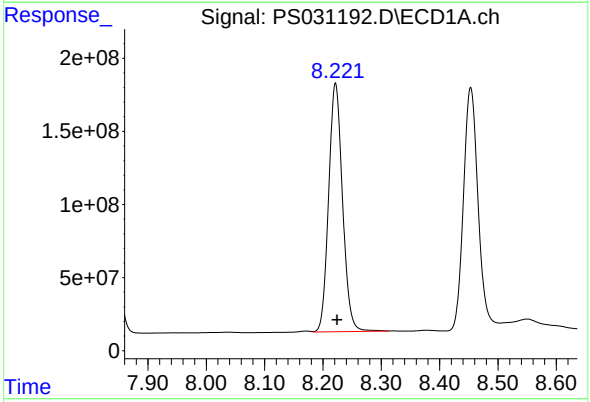
R.T.: 7.843 min
Delta R.T.: -0.002 min
Response: 978726147
Conc: 78.21 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



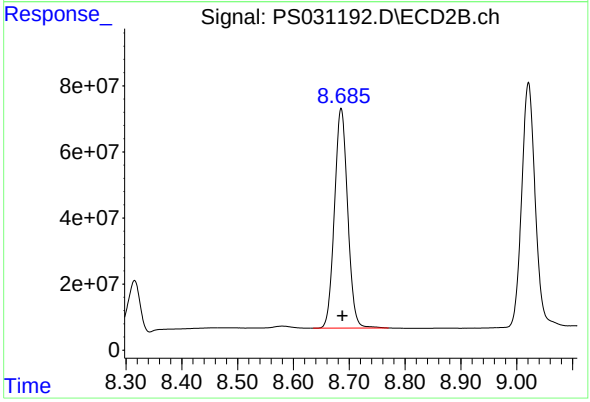
#7 MCPA

R.T.: 8.315 min
Delta R.T.: 0.000 min
Response: 229219957
Conc: 72.65 ug/ml



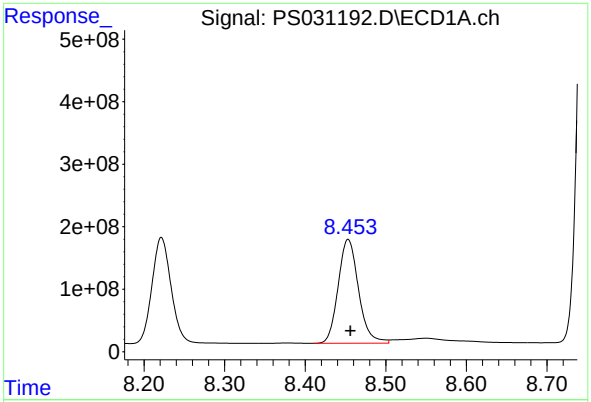
#8 DICHLORPROP

R.T.: 8.221 min
Delta R.T.: -0.003 min
Response: 2810834949
Conc: 735.44 ng/ml



#8 DICHLORPROP

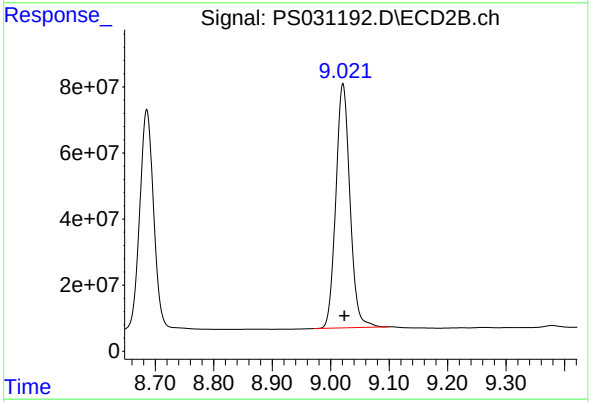
R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1092128846
Conc: 720.94 ng/ml



#9 2,4-D

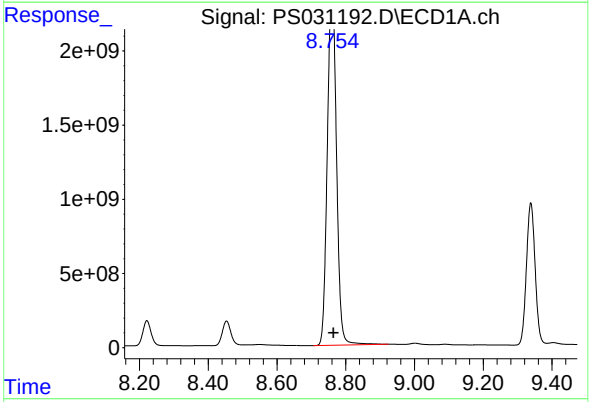
R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 2923266789
Conc: 782.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



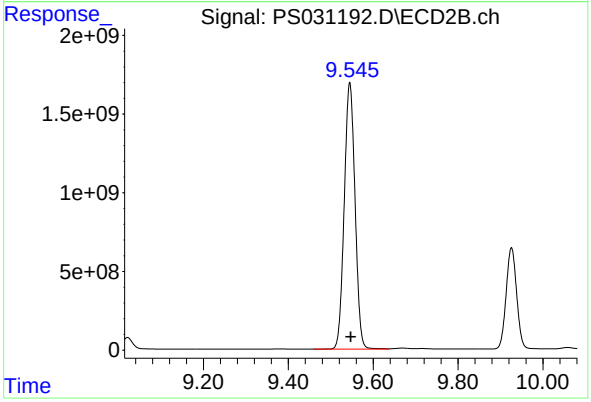
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 1239851370
Conc: 730.05 ng/ml



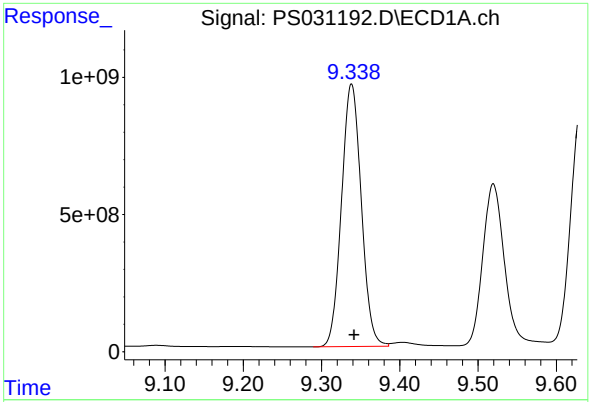
#10 Pentachlorophenol

R.T.: 8.763 min
Delta R.T.: 0.000 min
Response: 43026209769
Conc: 787.71 ng/ml



#10 Pentachlorophenol

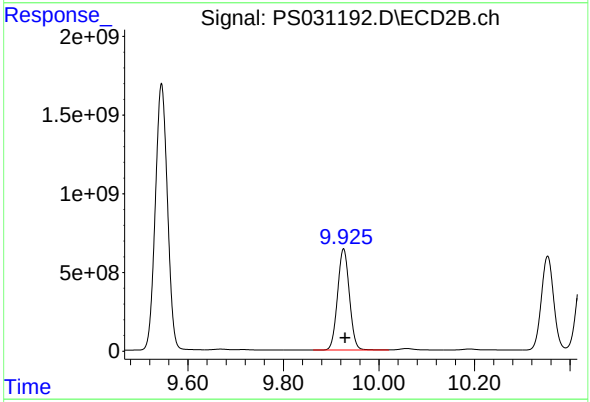
R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 29838345958
Conc: 763.50 ng/ml



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

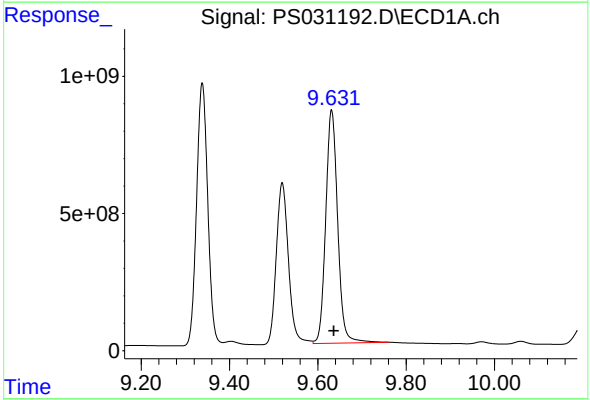
R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 16792444173
Conc: 764.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



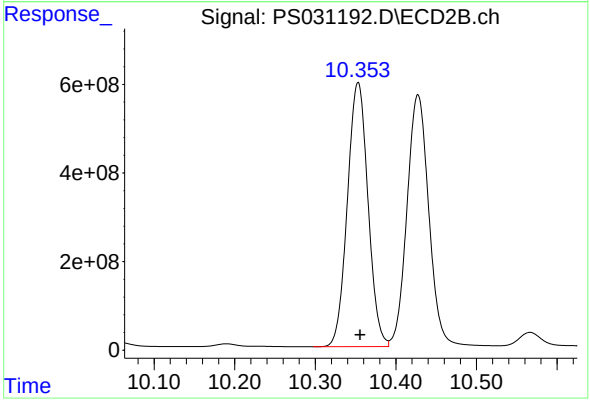
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 11058618876
Conc: 742.48 ng/ml



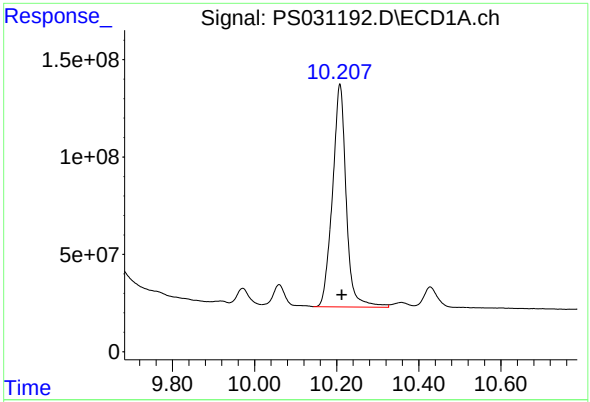
#12 2,4,5-T

R.T.: 9.631 min
Delta R.T.: -0.005 min
Response: 15947995088
Conc: 816.68 ng/ml



#12 2,4,5-T

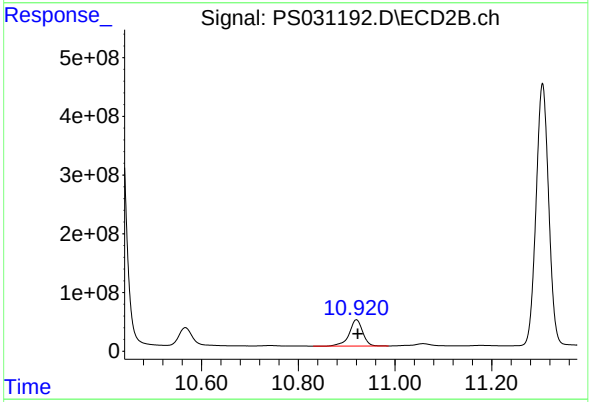
R.T.: 10.353 min
Delta R.T.: -0.002 min
Response: 10612174904
Conc: 746.31 ng/ml



#13 2,4-DB

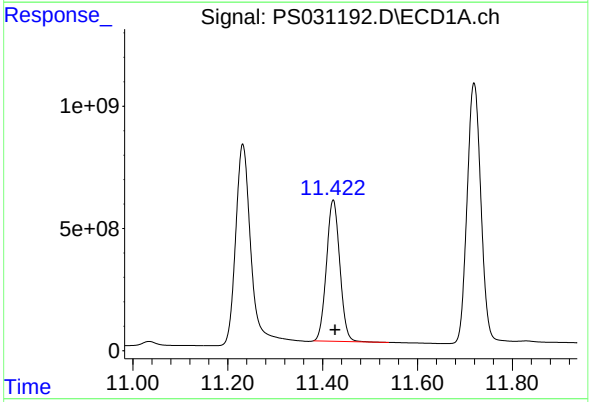
R.T.: 10.208 min
Delta R.T.: -0.005 min
Response: 2653510562
Conc: 887.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



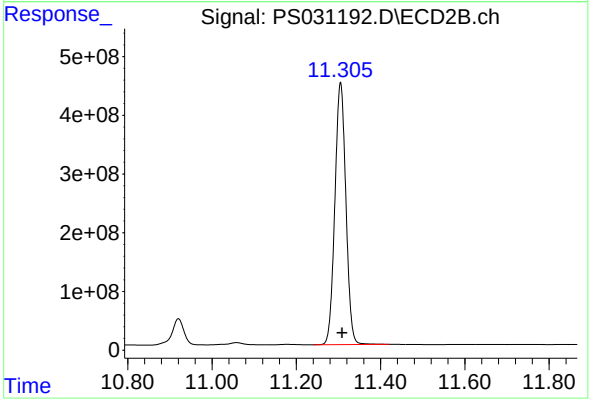
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 867429153
Conc: 741.07 ng/ml



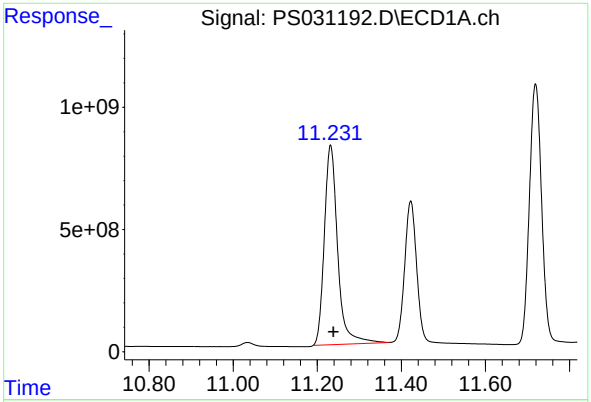
#14 DINOSEB

R.T.: 11.422 min
Delta R.T.: -0.004 min
Response: 11277237370
Conc: 724.32 ng/ml



#14 DINOSEB

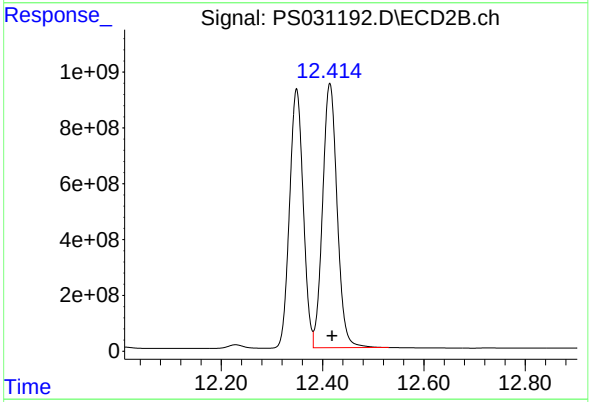
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 8077451534
Conc: 714.69 ng/ml



#15 Picloram

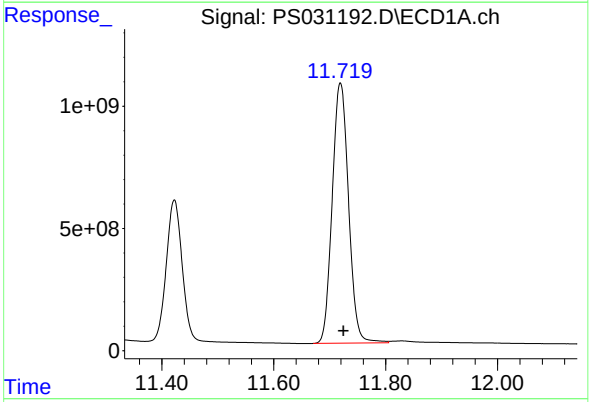
R.T.: 11.232 min
Delta R.T.: -0.007 min
Response: 17960584141
Conc: 897.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



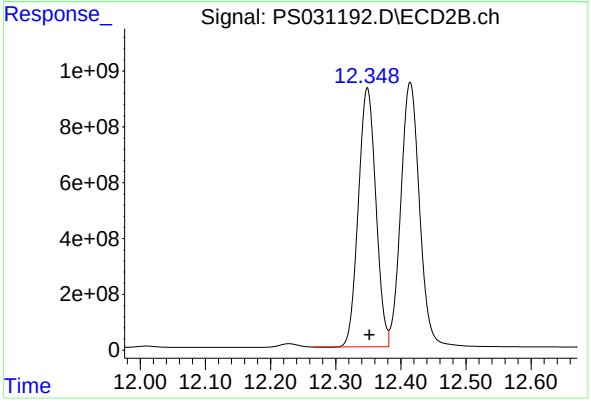
#15 Picloram

R.T.: 12.414 min
Delta R.T.: -0.004 min
Response: 18888690074
Conc: 758.73 ng/ml



#16 DCPA

R.T.: 11.719 min
Delta R.T.: -0.005 min
Response: 21597429597
Conc: 752.69 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 17309007476
Conc: 751.39 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:04:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.322	7.761	2983.5E6	676.2E6	686.129	666.261
		Target Compounds						
1)	T	Dalapon	2.688	2.699	3848.0E6	1720.9E6	613.435	606.660
2)	T	3,5-DICHL...	6.484	6.708	3521.7E6	941.1E6	637.679	611.122
3)	T	4-Nitroph...	7.121	7.294	1151.6E6	1103.7E6	698.446	610.029
5)	T	DICAMBA	7.510	7.963	10768.4E6	4096.2E6	652.749	634.731
6)	T	MCPP	7.692	8.062	667.8E6	130.3E6	66.712	62.733
7)	T	MCPA	7.842	8.311	821.2E6	186.7E6	65.620	59.181
8)	T	DICHLORPROP	8.222	8.682	2454.9E6	948.6E6	642.327	626.171
9)	T	2,4-D	8.454	9.019	3170.3E6	1067.6E6	848.819	628.641 #
10)	T	Pentachlo...	8.760	9.542	39321.6E6	25843.9E6	719.892	661.286
11)	T	2,4,5-TP ...	9.339	9.924	14897.7E6	9580.4E6	678.601	643.232
12)	T	2,4,5-T	9.632	10.350	14094.7E6	9121.6E6	721.777	641.486
13)	T	2,4-DB	10.209	10.919	2281.2E6	755.3E6	762.982	645.238
14)	T	DINOSEB	11.424	11.303	9970.6E6	6886.6E6	640.396	609.323
15)	T	Picloram	11.233	12.413	15503.2E6	16230.8E6	774.903	651.970
16)	T	DCPA	11.721	12.347	19569.5E6	15008.8E6	682.020	651.534

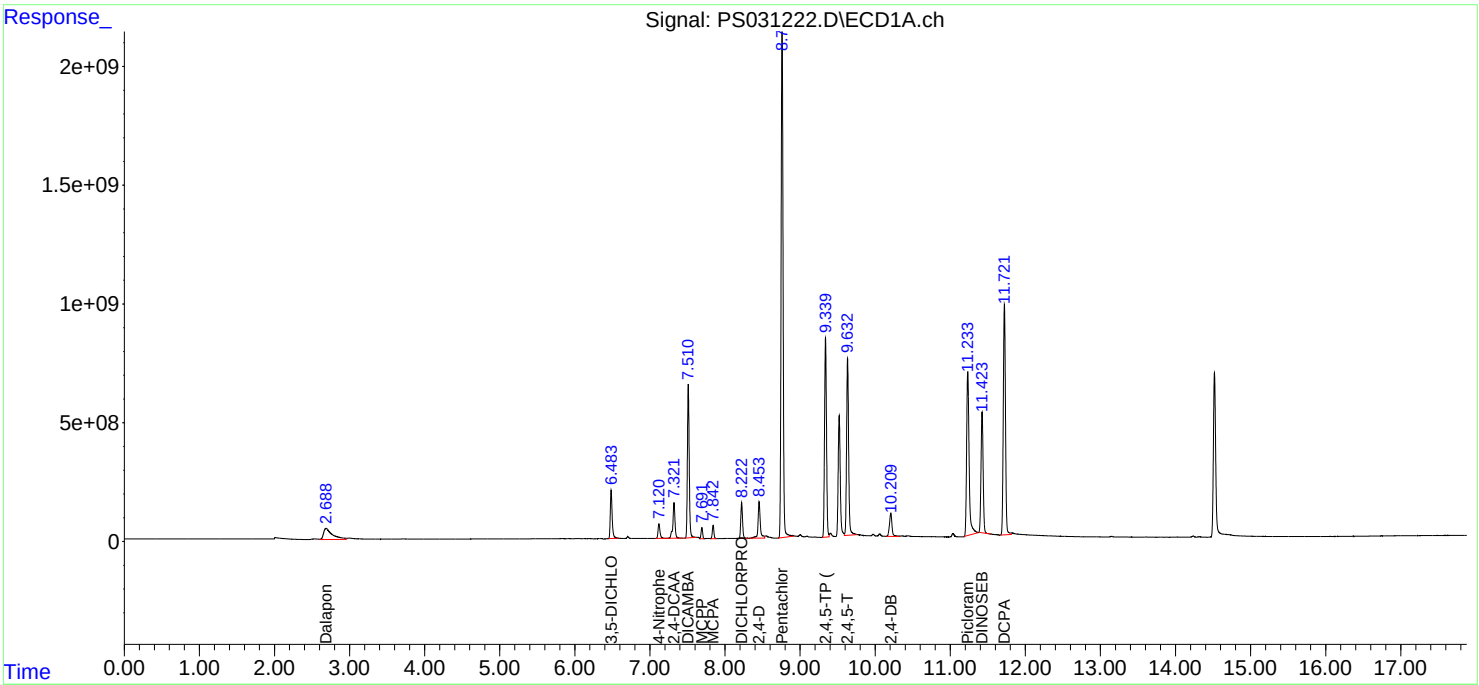
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

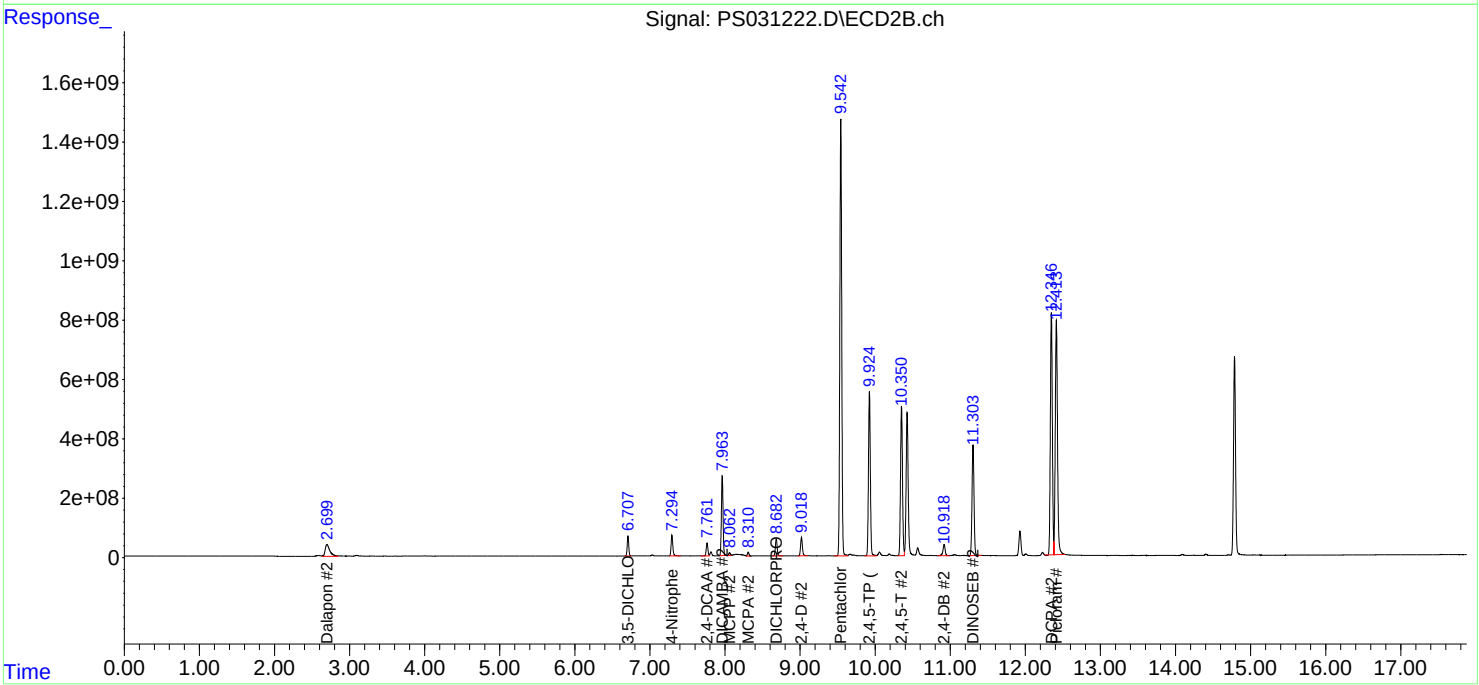
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

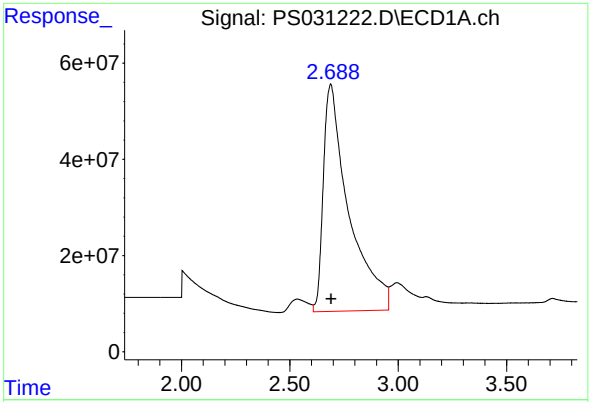
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:04:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



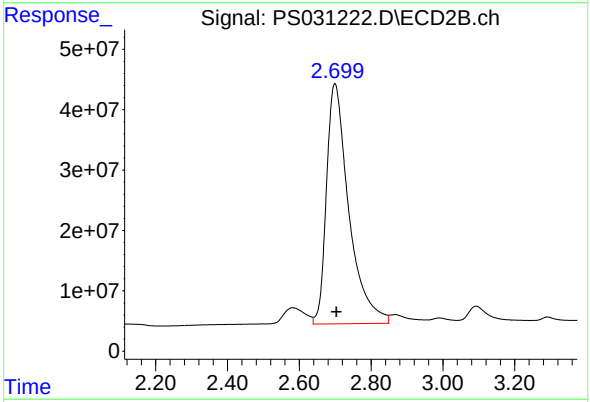




#1 Dalapon

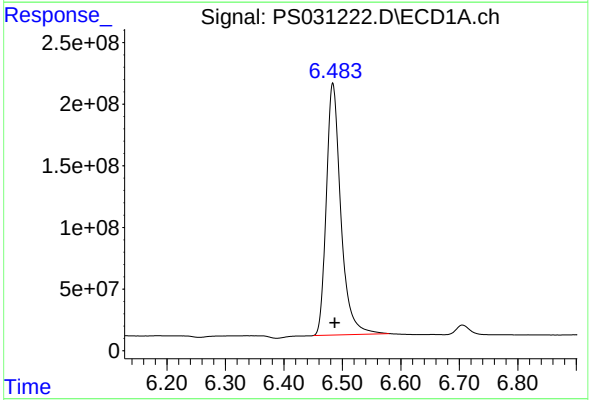
R.T.: 2.688 min
Delta R.T.: -0.002 min
Response: 3848020663
Conc: 613.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



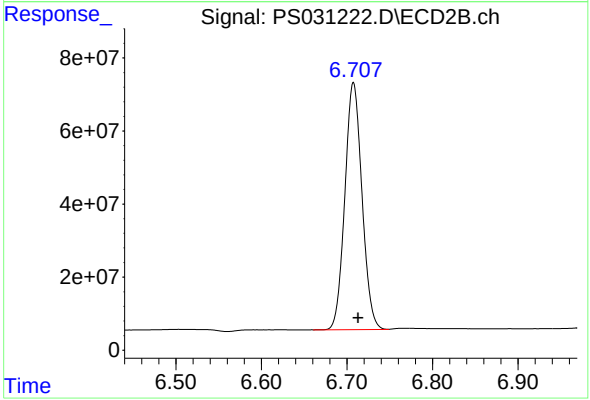
#1 Dalapon

R.T.: 2.699 min
Delta R.T.: -0.004 min
Response: 1720936143
Conc: 606.66 ng/ml



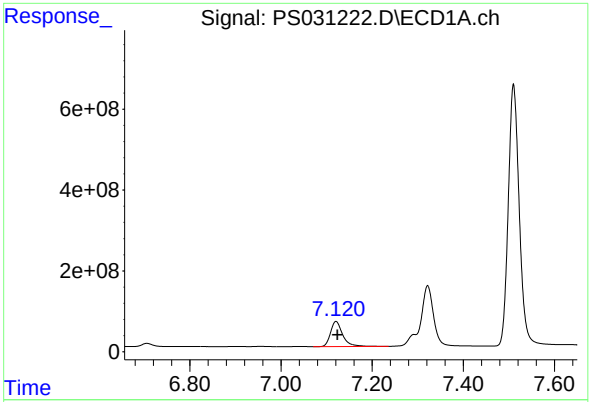
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 3521740913
Conc: 637.68 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

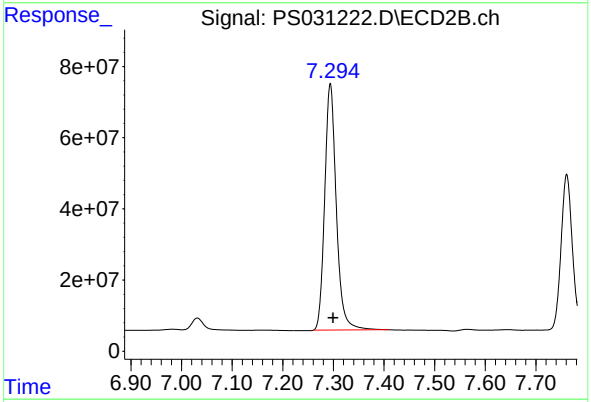
R.T.: 6.708 min
Delta R.T.: -0.005 min
Response: 941063617
Conc: 611.12 ng/ml



#3 4-Nitrophenol

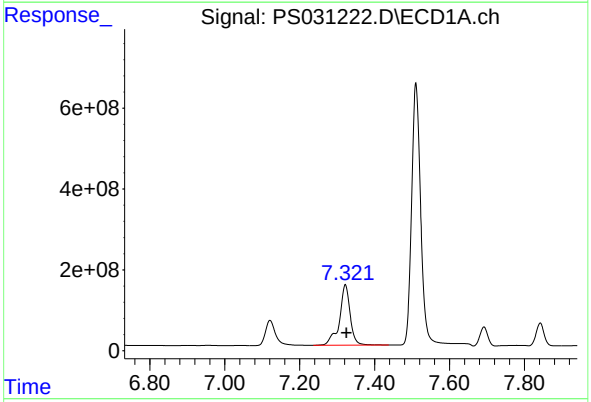
R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 1151587322
Conc: 698.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



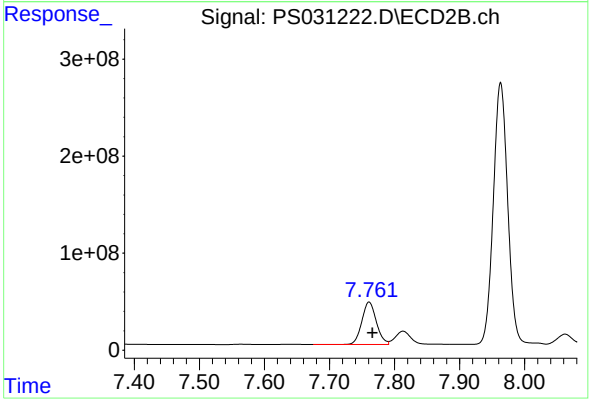
#3 4-Nitrophenol

R.T.: 7.294 min
Delta R.T.: -0.005 min
Response: 1103736553
Conc: 610.03 ng/ml



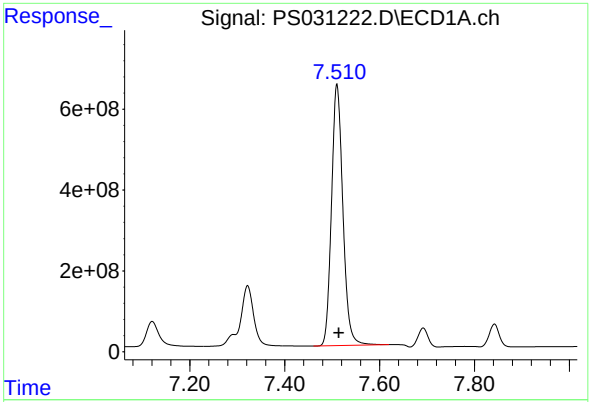
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 2983460530
Conc: 686.13 ng/ml



#4 2,4-DCAA

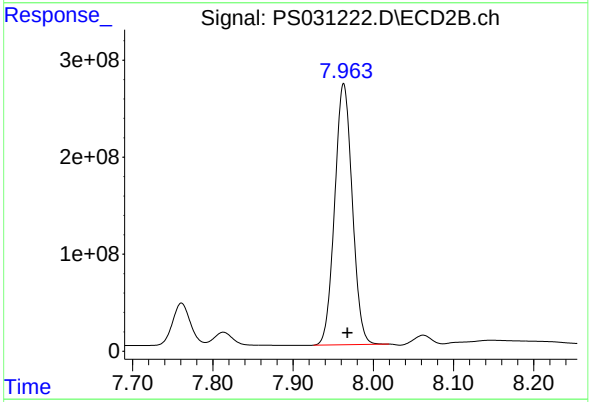
R.T.: 7.761 min
Delta R.T.: -0.005 min
Response: 676234128
Conc: 666.26 ng/ml



#5 DICAMBA

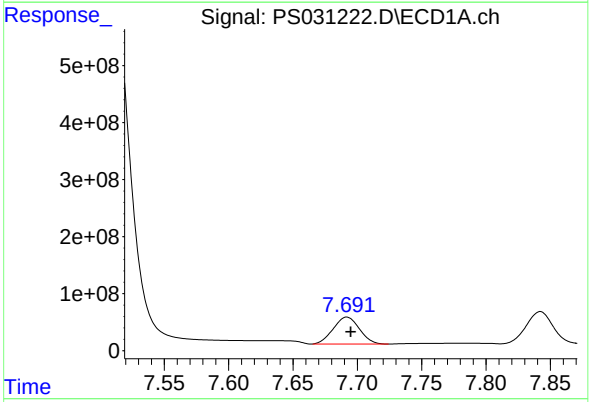
R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 10768380319
Conc: 652.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



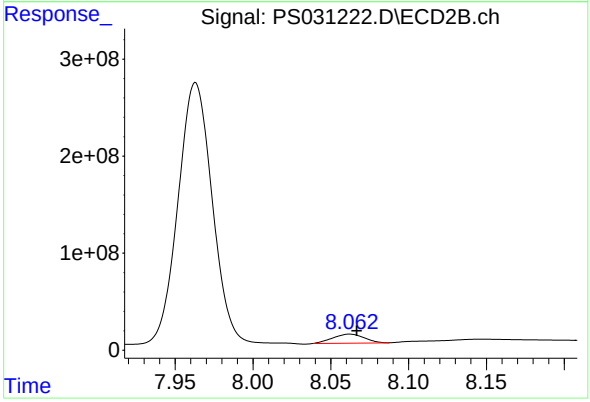
#5 DICAMBA

R.T.: 7.963 min
Delta R.T.: -0.005 min
Response: 4096155144
Conc: 634.73 ng/ml



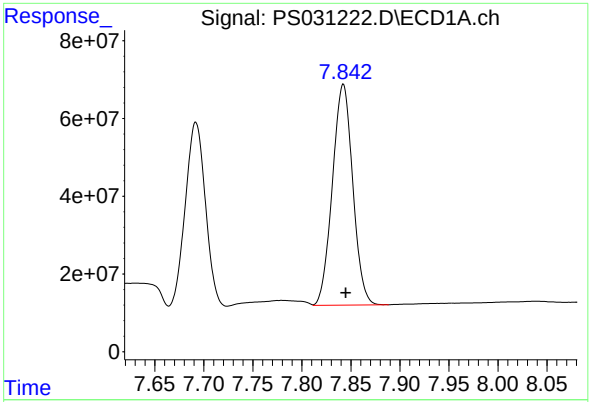
#6 MCPP

R.T.: 7.692 min
Delta R.T.: -0.003 min
Response: 667791702
Conc: 66.71 ug/ml



#6 MCPP

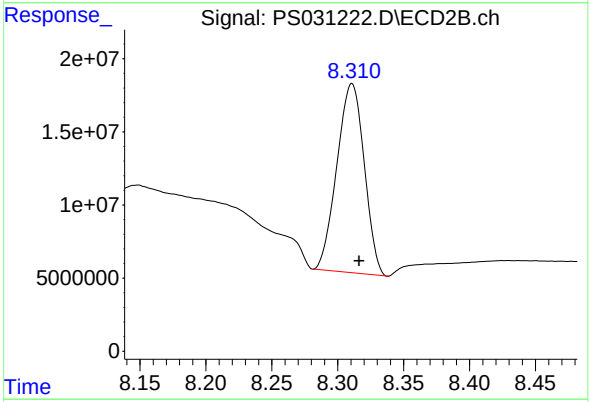
R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 130347363
Conc: 62.73 ug/ml



#7 MCPA

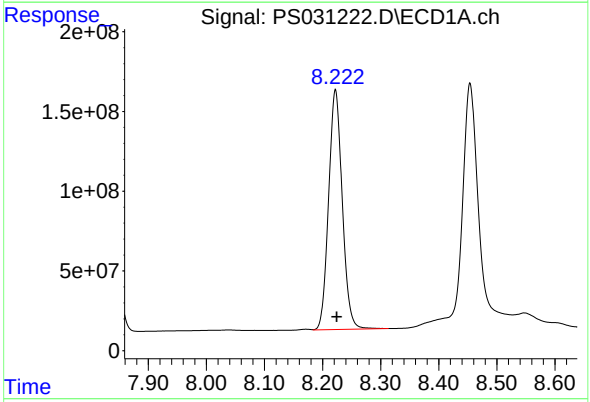
R.T.: 7.842 min
Delta R.T.: -0.002 min
Response: 821178986
Conc: 65.62 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



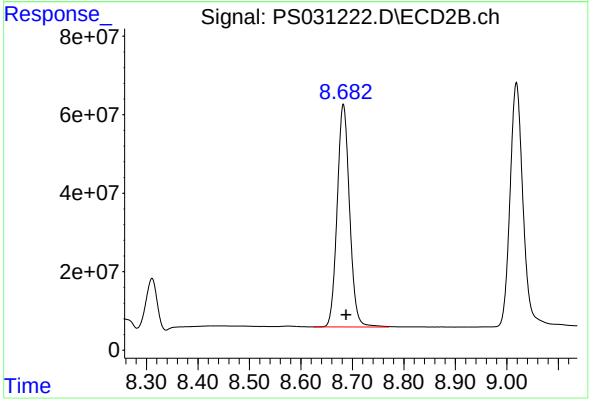
#7 MCPA

R.T.: 8.311 min
Delta R.T.: -0.006 min
Response: 186727683
Conc: 59.18 ug/ml



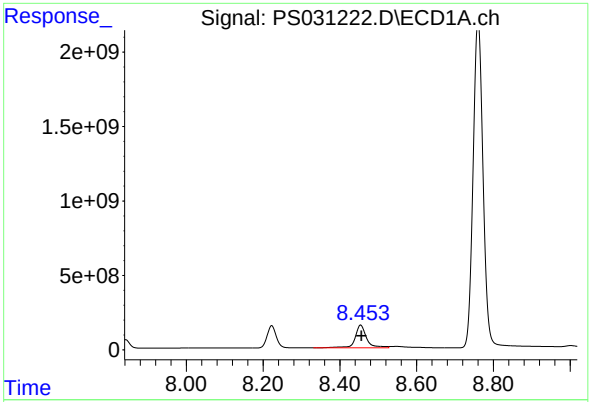
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.002 min
Response: 2454945616
Conc: 642.33 ng/ml



#8 DICHLORPROP

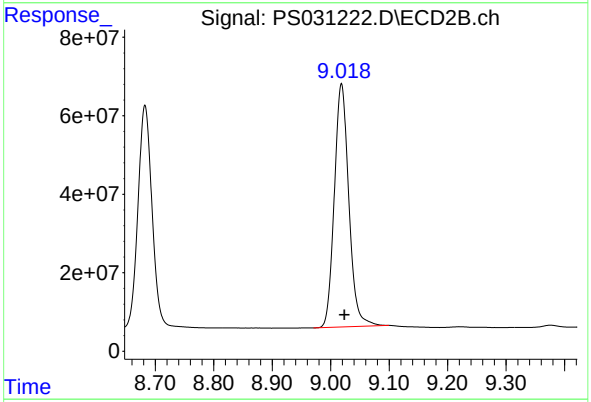
R.T.: 8.682 min
Delta R.T.: -0.005 min
Response: 948562256
Conc: 626.17 ng/ml



#9 2,4-D

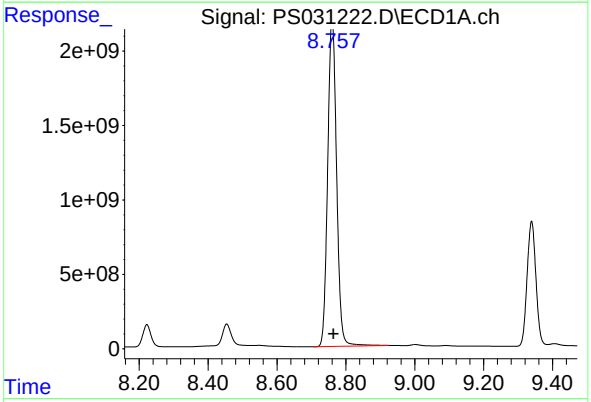
R.T.: 8.454 min
Delta R.T.: -0.002 min
Response: 3170267422
Conc: 848.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



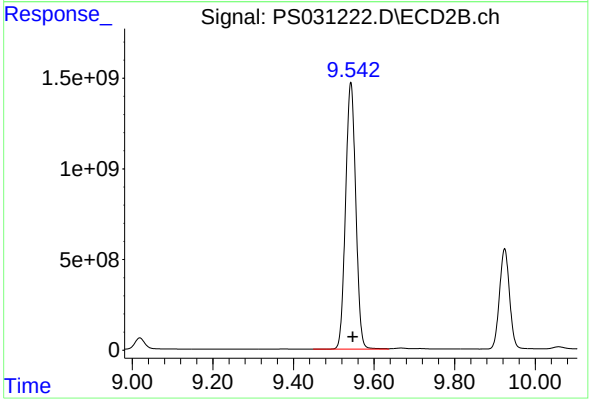
#9 2,4-D

R.T.: 9.019 min
Delta R.T.: -0.005 min
Response: 1067632755
Conc: 628.64 ng/ml



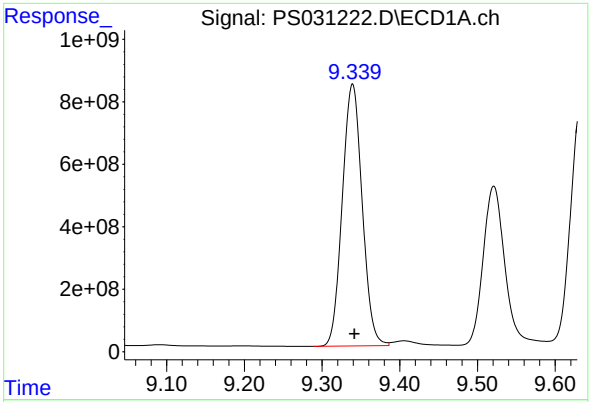
#10 Pentachlorophenol

R.T.: 8.760 min
Delta R.T.: -0.004 min
Response: 39321617114
Conc: 719.89 ng/ml



#10 Pentachlorophenol

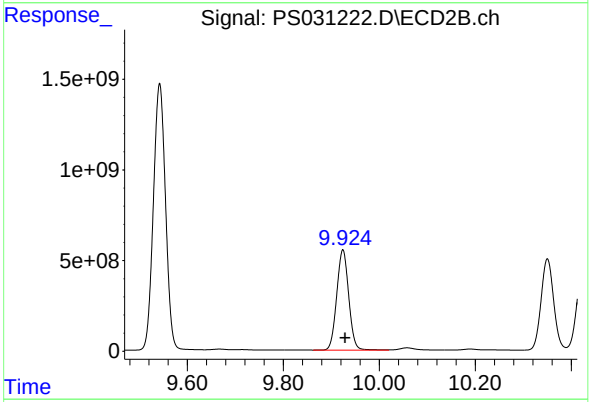
R.T.: 9.542 min
Delta R.T.: -0.005 min
Response: 25843869223
Conc: 661.29 ng/ml



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

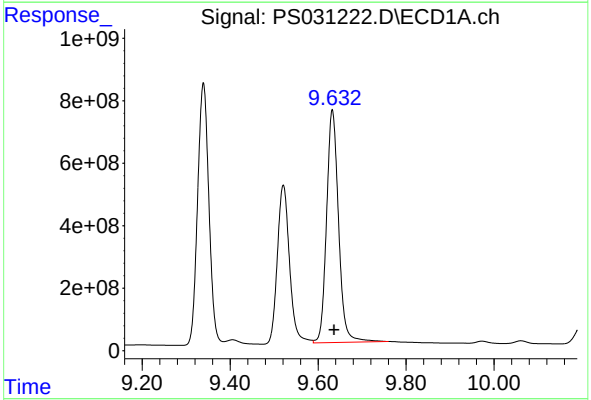
R.T.: 9.339 min
Delta R.T.: -0.003 min
Response: 14897723114
Conc: 678.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



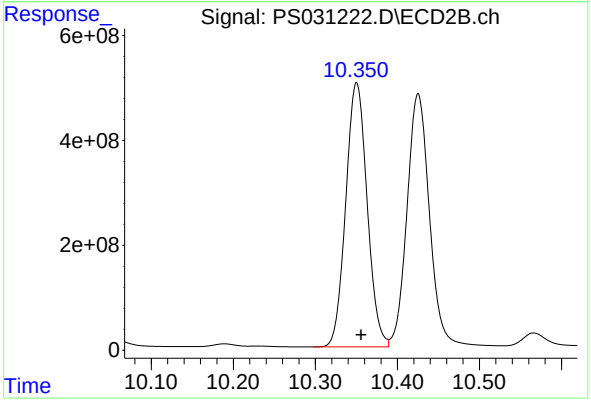
#11 2,4,5-TP (SILVEX)

R.T.: 9.924 min
Delta R.T.: -0.005 min
Response: 9580413512
Conc: 643.23 ng/ml



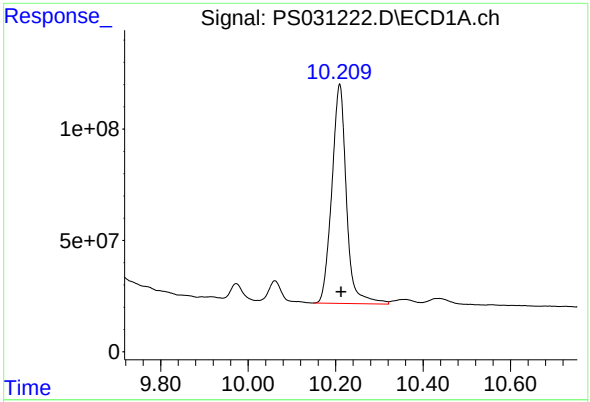
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 14094719433
Conc: 721.78 ng/ml



#12 2,4,5-T

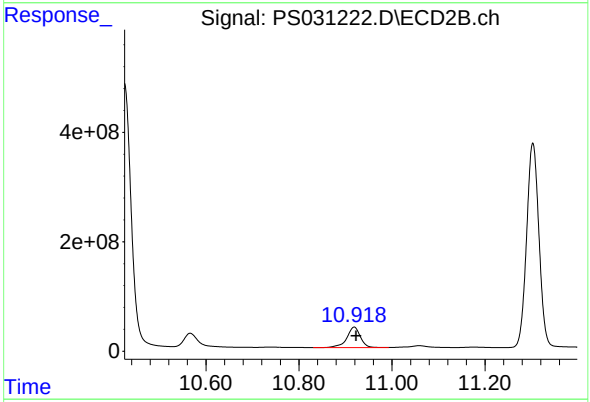
R.T.: 10.350 min
Delta R.T.: -0.005 min
Response: 9121585184
Conc: 641.49 ng/ml



#13 2,4-DB

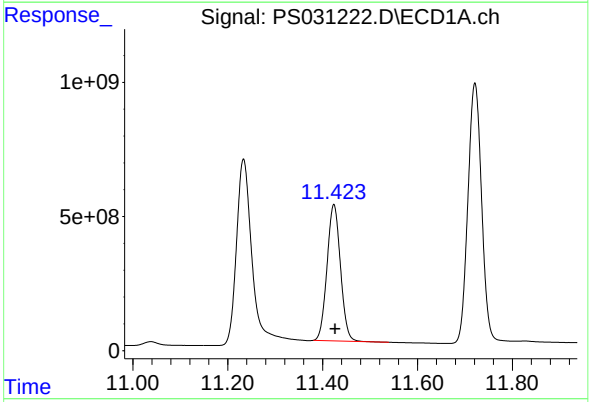
R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 2281228611
Conc: 762.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



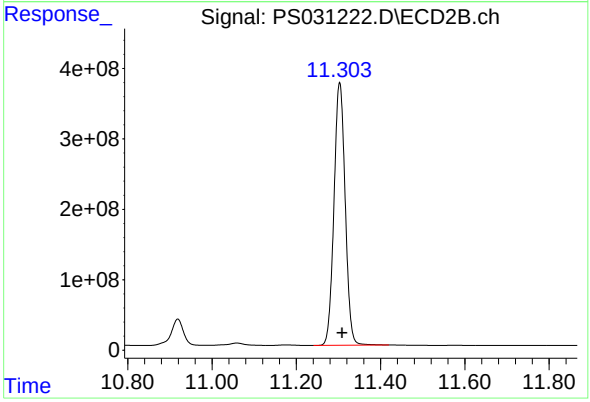
#13 2,4-DB

R.T.: 10.919 min
Delta R.T.: -0.004 min
Response: 755258036
Conc: 645.24 ng/ml



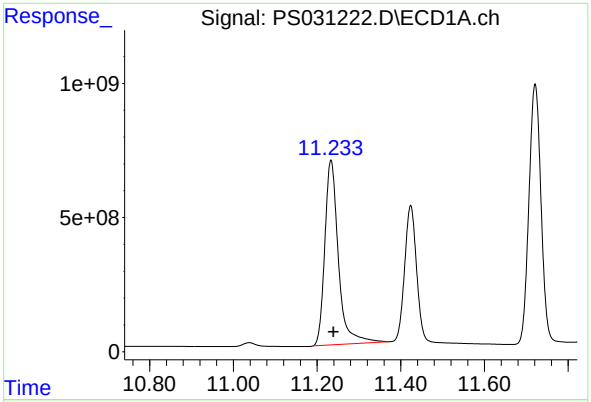
#14 DINOSEB

R.T.: 11.424 min
Delta R.T.: -0.003 min
Response: 9970643058
Conc: 640.40 ng/ml



#14 DINOSEB

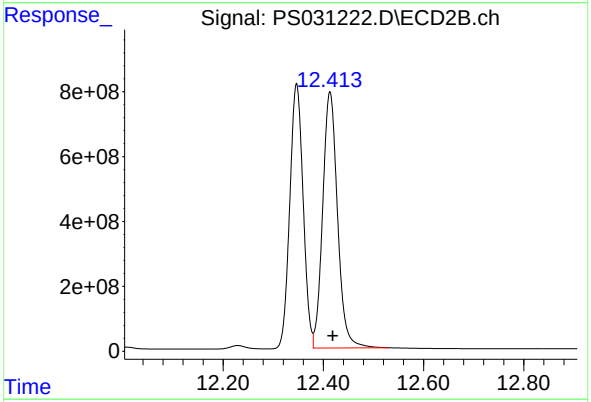
R.T.: 11.303 min
Delta R.T.: -0.005 min
Response: 6886615500
Conc: 609.32 ng/ml



#15 Picloram

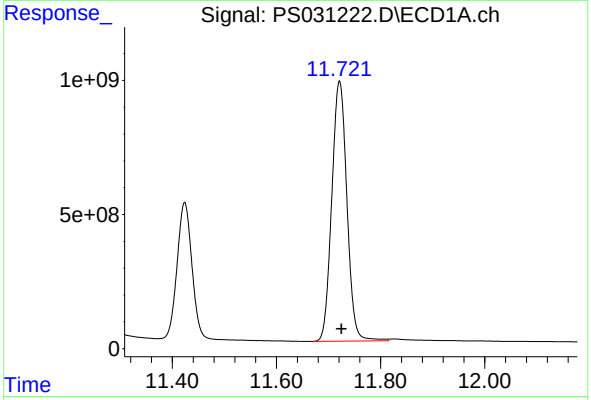
R.T.: 11.233 min
Delta R.T.: -0.005 min
Response: 15503151258
Conc: 774.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



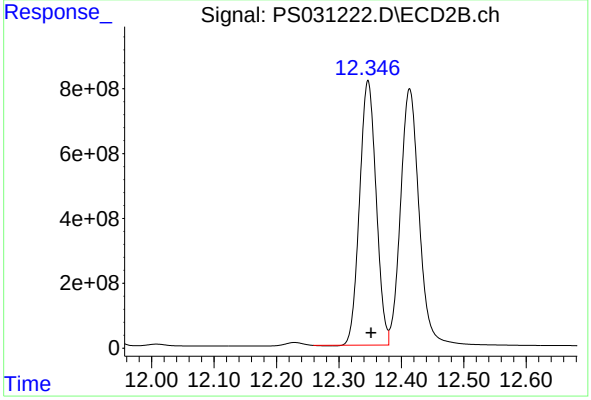
#15 Picloram

R.T.: 12.413 min
Delta R.T.: -0.005 min
Response: 16230814719
Conc: 651.97 ng/ml



#16 DCPA

R.T.: 11.721 min
Delta R.T.: -0.003 min
Response: 19569524274
Conc: 682.02 ng/ml



#16 DCPA

R.T.: 12.347 min
Delta R.T.: -0.005 min
Response: 15008763067
Conc: 651.53 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:08
Operator : AR\AJ
Sample : Q2638-11MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
4)	S	2,4-DCAA	7.320	7.764	1246.6E6	317.1E6	286.690	312.465	
		Target Compounds							
1)	T	Dalapon	2.679	2.700	3159.1E6	1943.8E6	503.608	685.211	#
2)	T	3,5-DICHL...	6.483	6.711	1690.1E6	463.2E6	306.020	300.831	
3)	T	4-Nitroph...	7.119	7.298	423.8E6	435.5E6	257.034	240.722	
5)	T	DICAMBA	7.509	7.966	4646.0E6	1806.3E6	281.628	279.893	
6)	T	MCPP	7.688	8.063	244.0E6	46583331	24.375	22.419	
7)	T	MCPA	7.837	8.310	334.0E6	59176547	26.691	18.755	#
8)	T	DICHLORPROP	8.220	8.685	1181.1E6	454.0E6	309.035	299.697	
9)	T	2,4-D	8.451	9.021	1398.5E6	608.4E6	374.427	358.212	
10)	T	Pentachlo...	8.757	9.545	16524.6E6	10431.4E6	302.529	266.917	
11)	T	2,4,5-TP ...	9.336	9.926	6903.1E6	4627.3E6	314.440	310.676	
12)	T	2,4,5-T	9.630	10.352	6419.1E6	4171.5E6	328.718	293.366	
13)	T	2,4-DB	10.207	10.920	1265.2E6	320.9E6	423.144	274.132	#
14)	T	DINOSEB	11.419	11.305	558.5E6	291.1E6	35.872	25.759	#
15)	T	Picloram	11.229	12.415	5447.5E6	5460.0E6	272.283	219.319	
16)	T	DCPA	11.714	12.349	6525.3E6	6541.7E6	227.416	283.975	

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

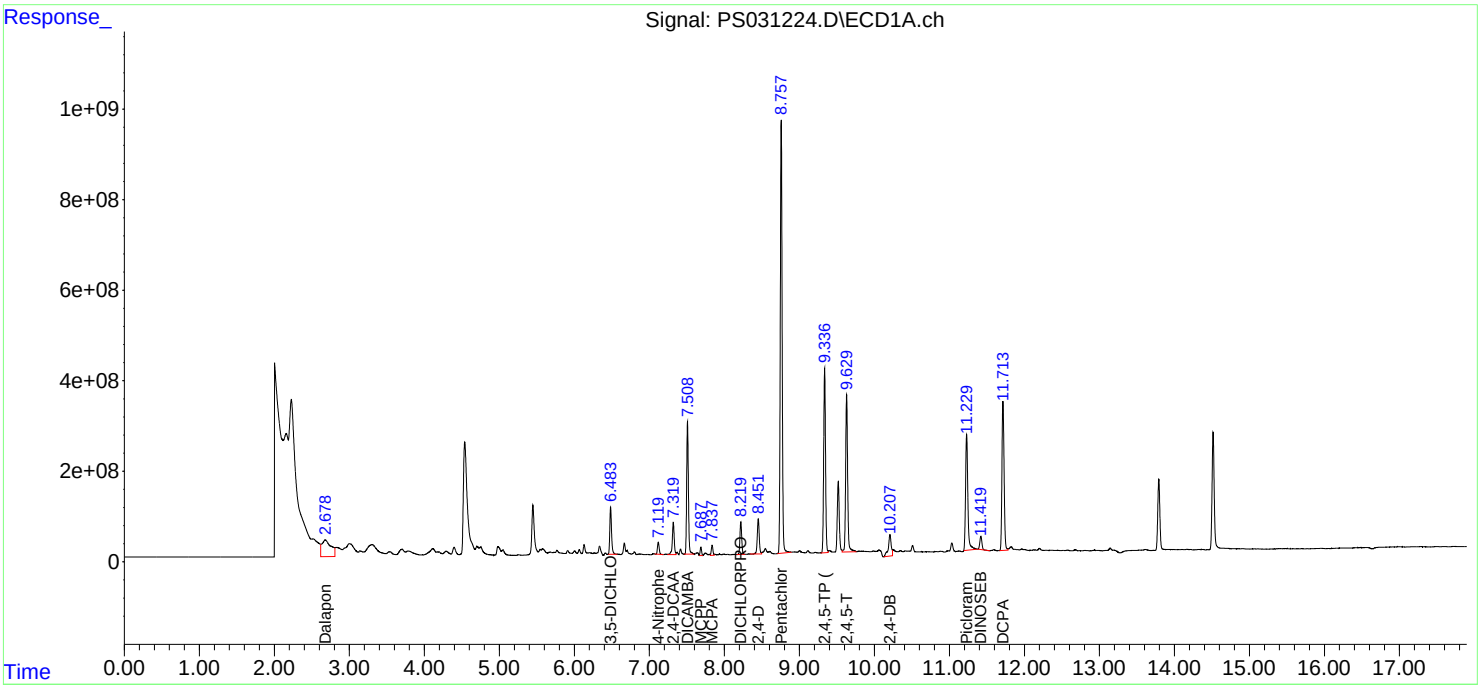
Quantitation Report (Not Reviewed)

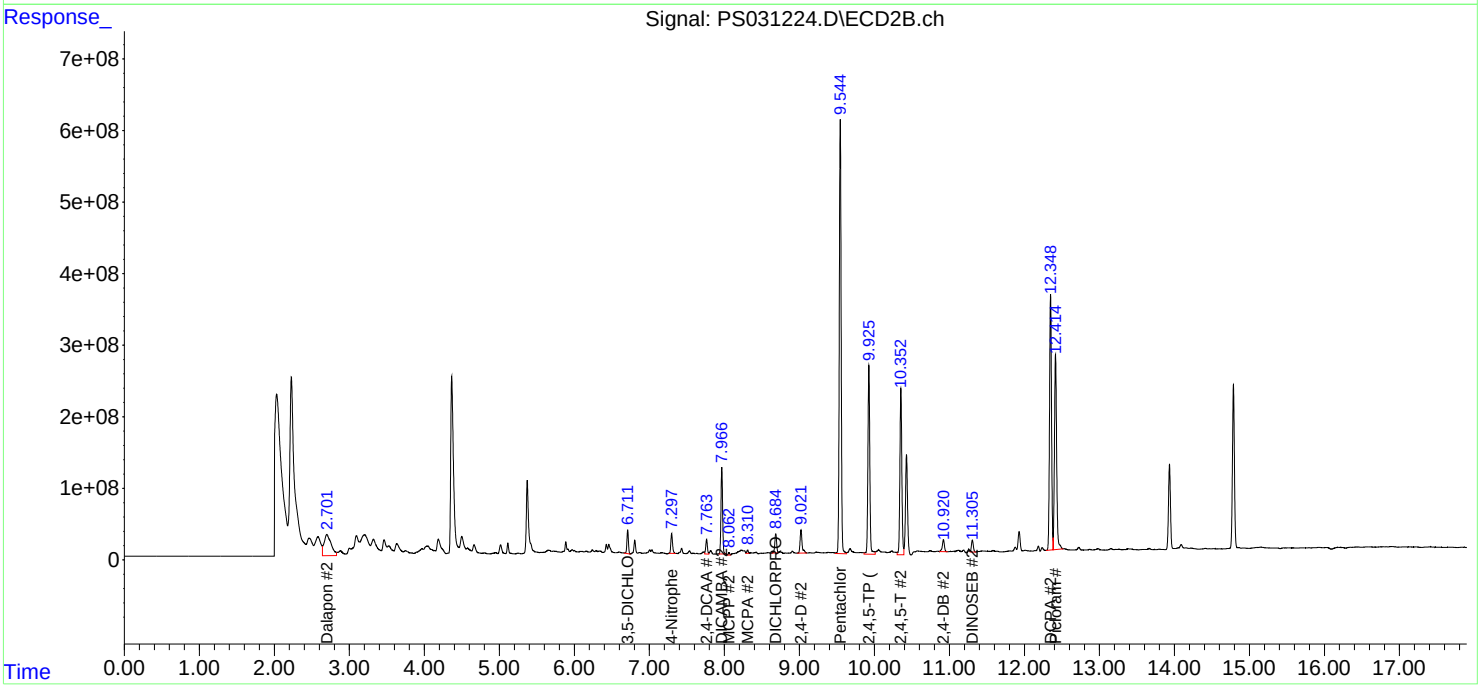
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:08
Operator : AR\AJ
Sample : Q2638-11MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

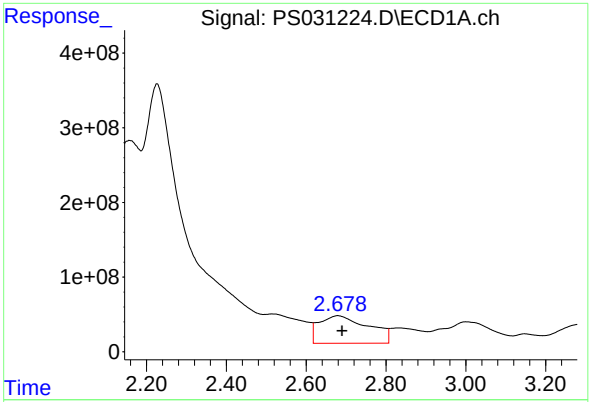
Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



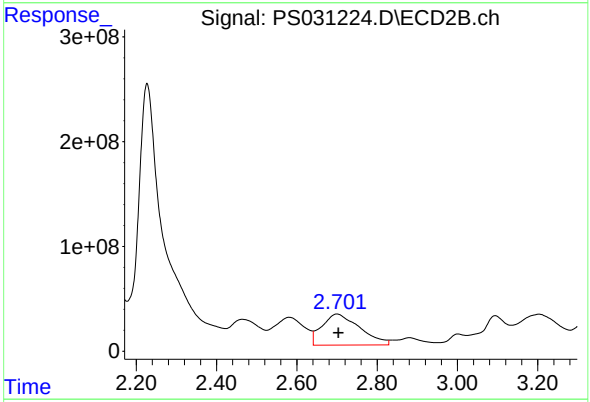




#1 Dalapon

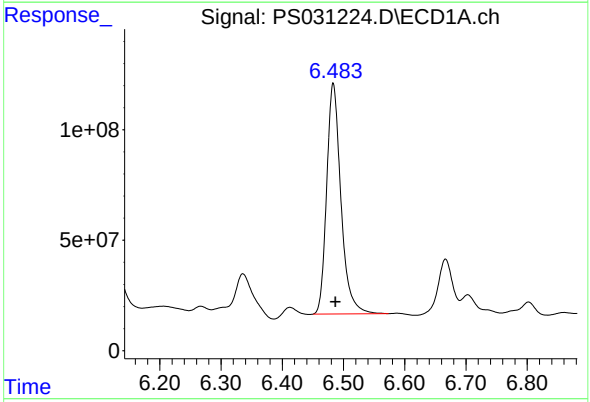
R.T.: 2.679 min
Delta R.T.: -0.011 min
Response: 3159083410
Conc: 503.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



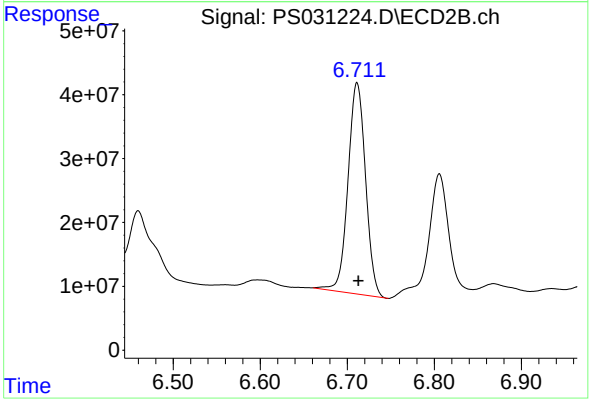
#1 Dalapon

R.T.: 2.700 min
Delta R.T.: -0.004 min
Response: 1943766033
Conc: 685.21 ng/ml



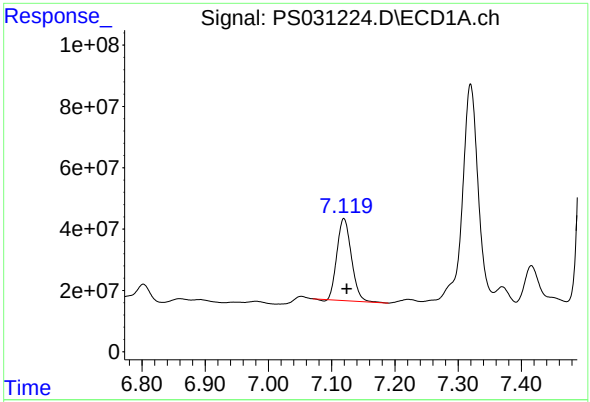
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 1690071144
Conc: 306.02 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

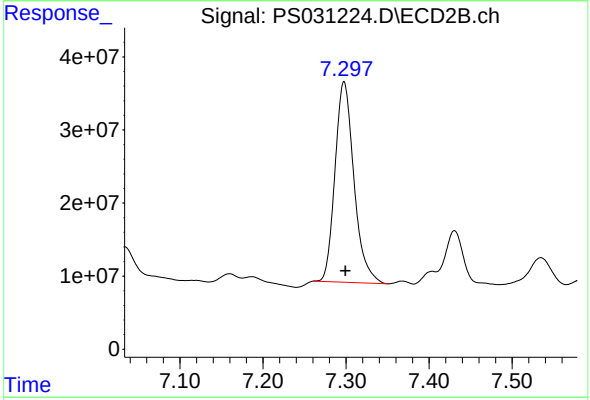
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 463248534
Conc: 300.83 ng/ml



#3 4-Nitrophenol

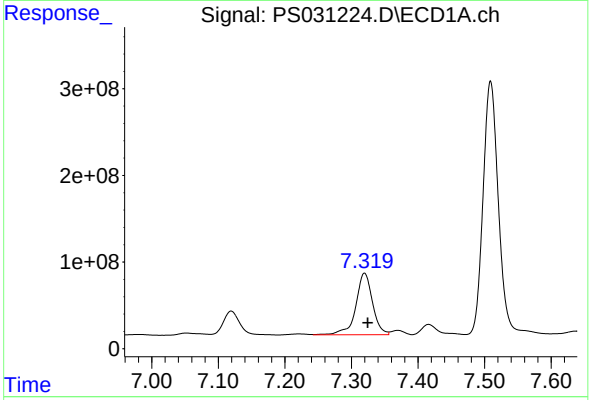
R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 423793288
Conc: 257.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



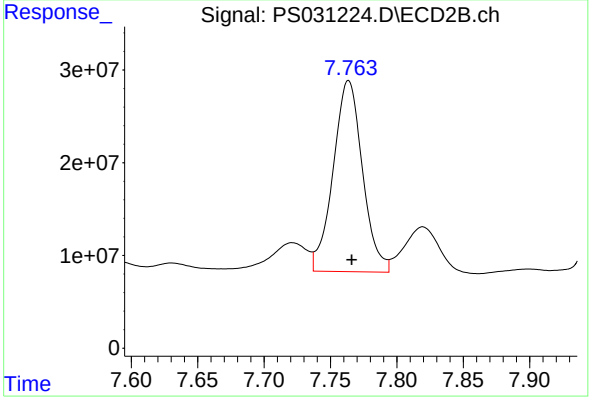
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 435542721
Conc: 240.72 ng/ml



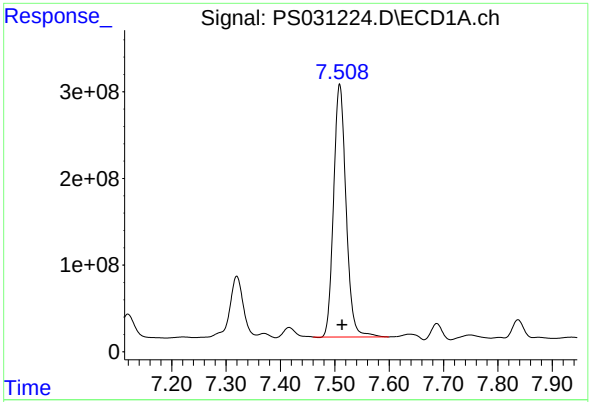
#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1246601439
Conc: 286.69 ng/ml



#4 2,4-DCAA

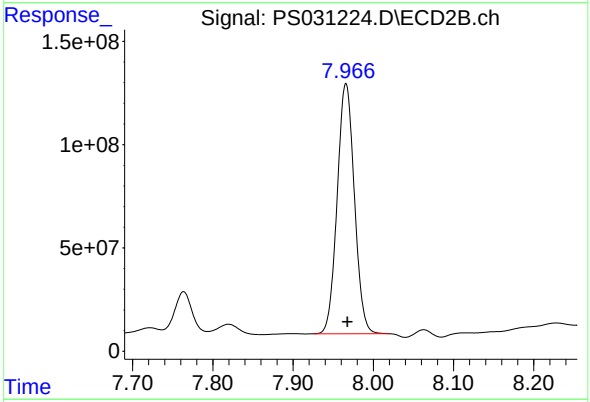
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 317142086
Conc: 312.47 ng/ml



#5 DICAMBA

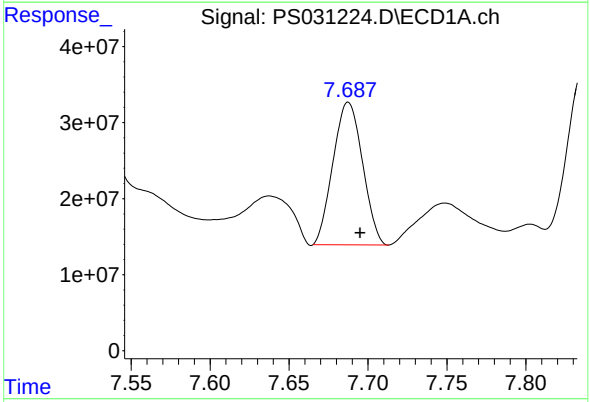
R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 4646004188
Conc: 281.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



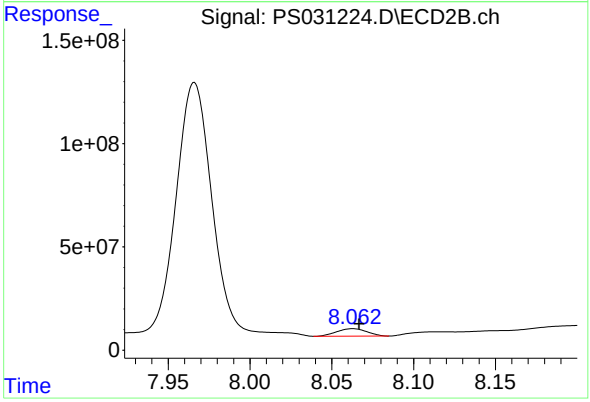
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 1806255092
Conc: 279.89 ng/ml



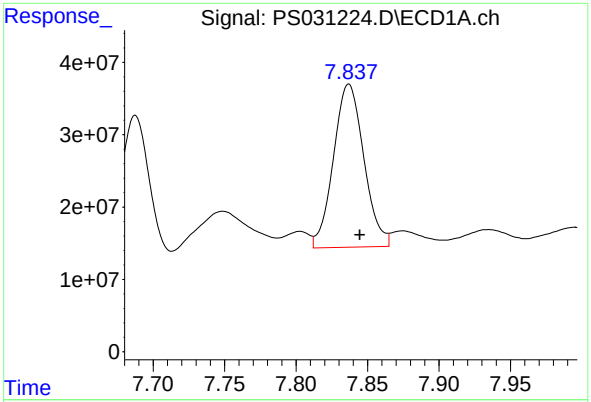
#6 MCPP

R.T.: 7.688 min
Delta R.T.: -0.007 min
Response: 243998366
Conc: 24.38 ug/ml



#6 MCPP

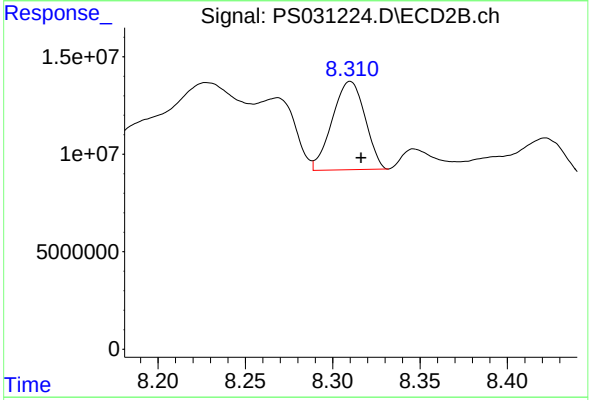
R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 46583331
Conc: 22.42 ug/ml



#7 MCPA

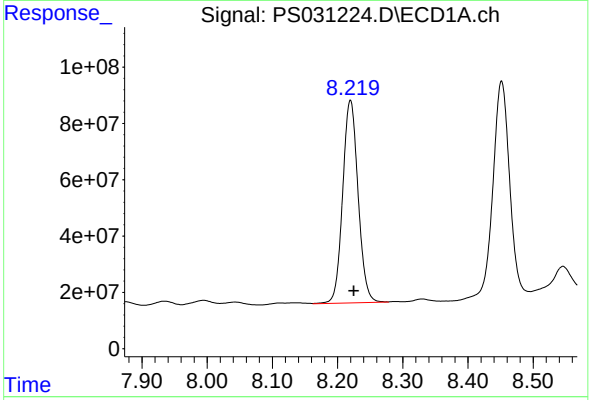
R.T.: 7.837 min
Delta R.T.: -0.008 min
Response: 334022340
Conc: 26.69 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



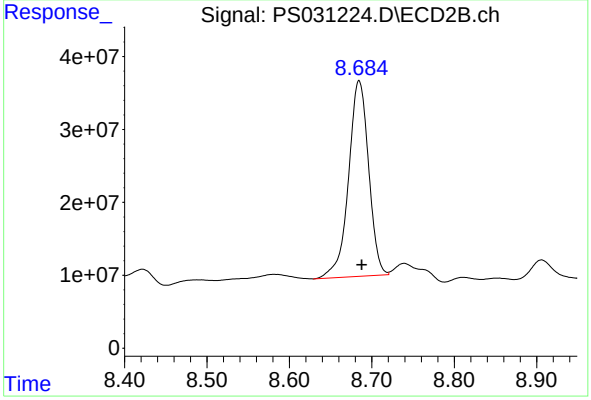
#7 MCPA

R.T.: 8.310 min
Delta R.T.: -0.006 min
Response: 59176547
Conc: 18.76 ug/ml



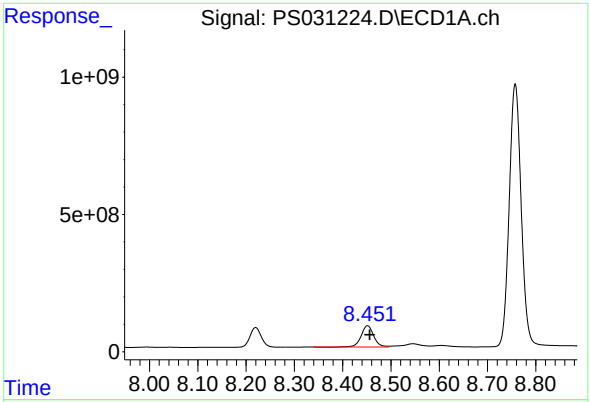
#8 DICHLORPROP

R.T.: 8.220 min
Delta R.T.: -0.005 min
Response: 1181119344
Conc: 309.04 ng/ml



#8 DICHLORPROP

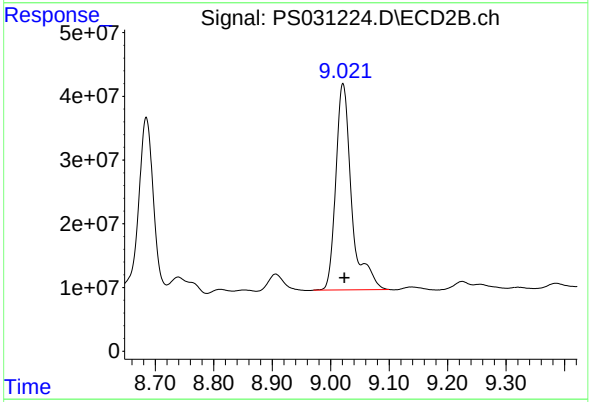
R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 453999145
Conc: 299.70 ng/ml



#9 2,4-D

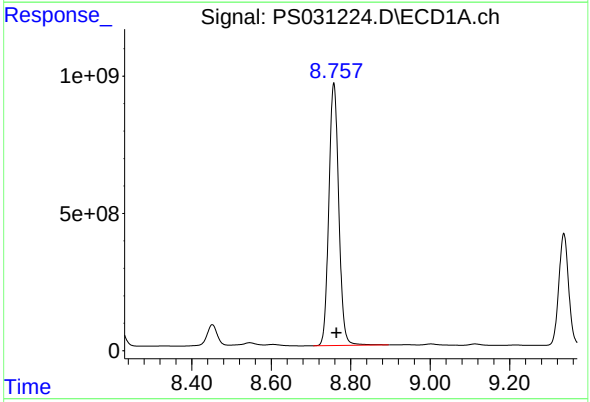
R.T.: 8.451 min
Delta R.T.: -0.005 min
Response: 1398452509
Conc: 374.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



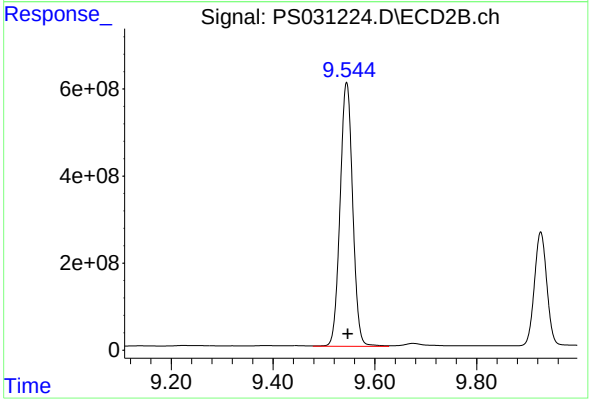
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 608358503
Conc: 358.21 ng/ml



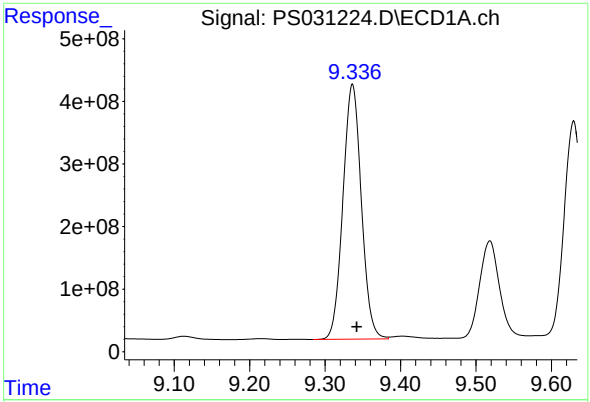
#10 Pentachlorophenol

R.T.: 8.757 min
Delta R.T.: -0.006 min
Response: 16524577795
Conc: 302.53 ng/ml



#10 Pentachlorophenol

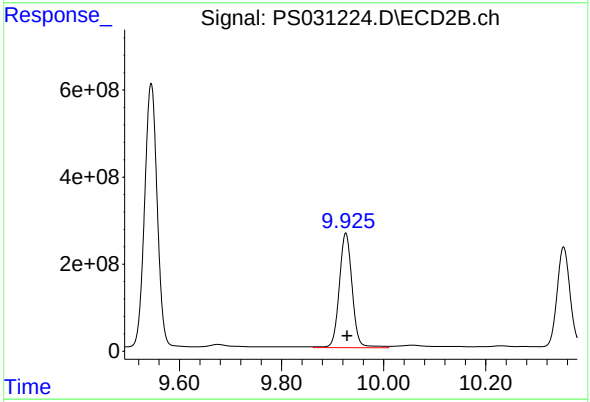
R.T.: 9.545 min
Delta R.T.: -0.003 min
Response: 10431447789
Conc: 266.92 ng/ml



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

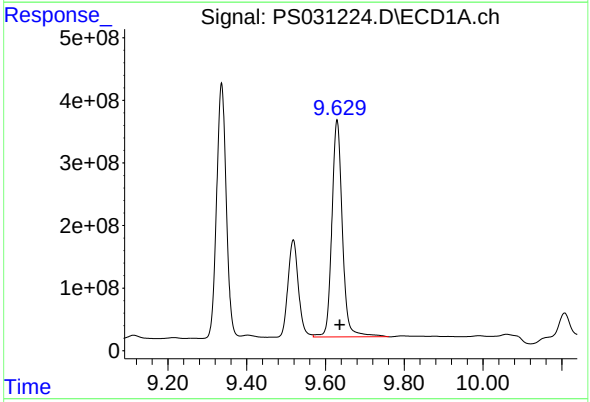
R.T.: 9.336 min
Delta R.T.: -0.006 min
Response: 6903081477
Conc: 314.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



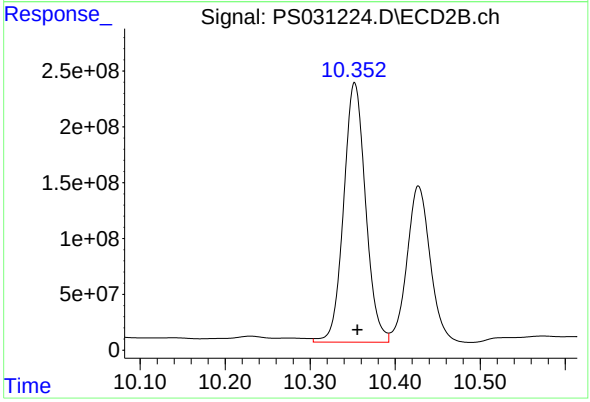
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 4627259211
Conc: 310.68 ng/ml



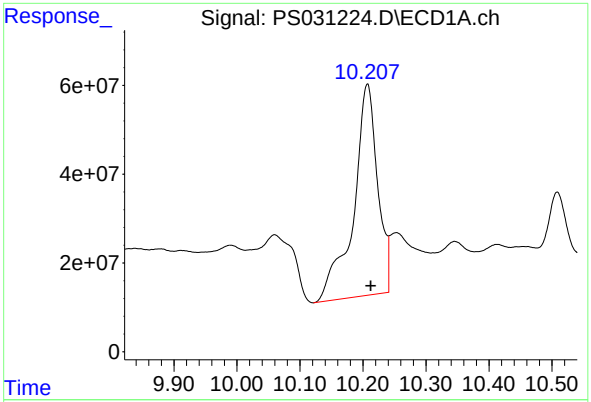
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 6419145503
Conc: 328.72 ng/ml



#12 2,4,5-T

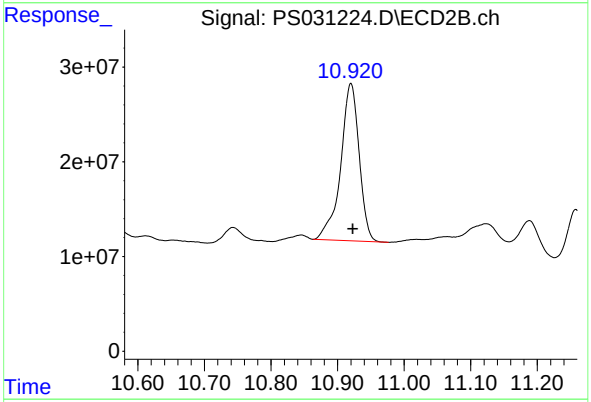
R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 4171511784
Conc: 293.37 ng/ml



#13 2,4-DB

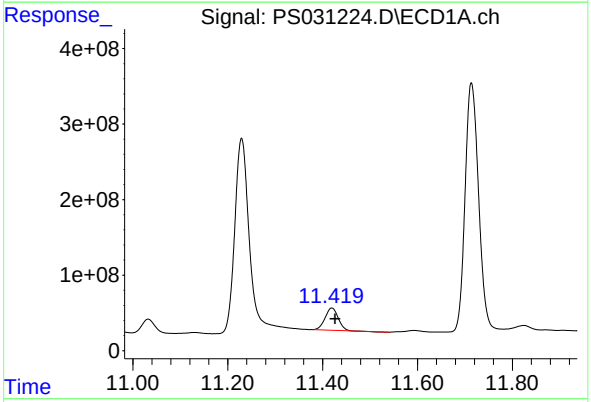
R.T.: 10.207 min
Delta R.T.: -0.005 min
Response: 1265151217
Conc: 423.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



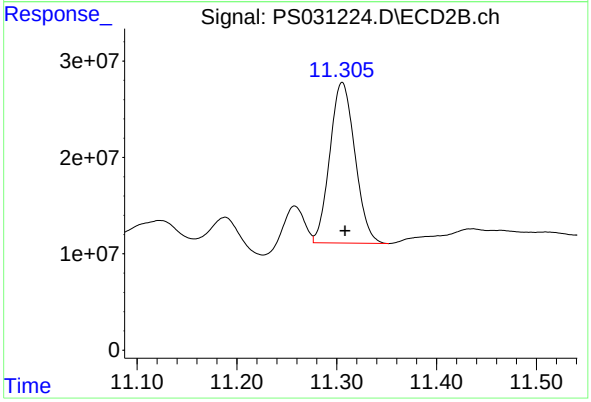
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 320874457
Conc: 274.13 ng/ml



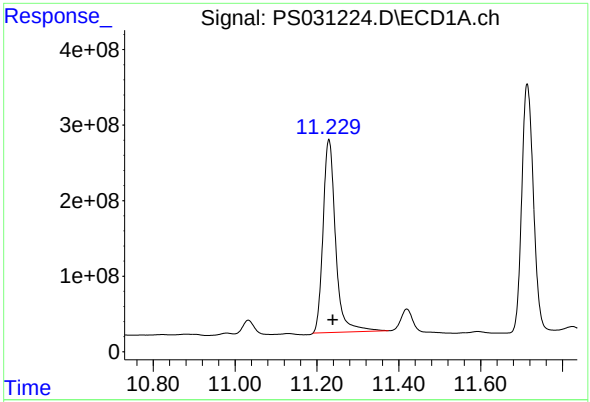
#14 DINOSEB

R.T.: 11.419 min
Delta R.T.: -0.007 min
Response: 558507309
Conc: 35.87 ng/ml



#14 DINOSEB

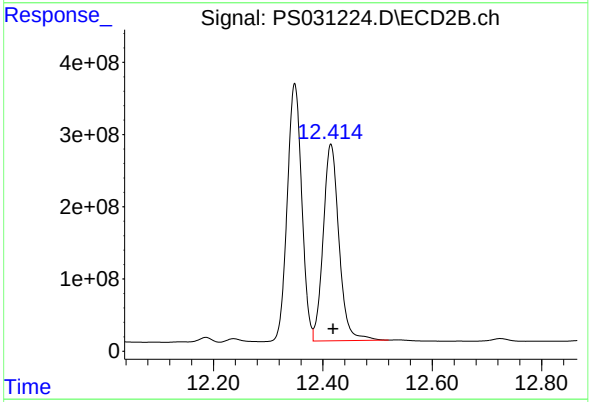
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 291131915
Conc: 25.76 ng/ml



#15 Picloram

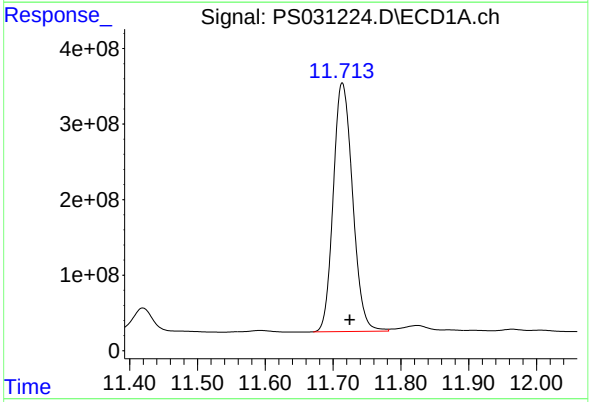
R.T.: 11.229 min
Delta R.T.: -0.009 min
Response: 5447456644
Conc: 272.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



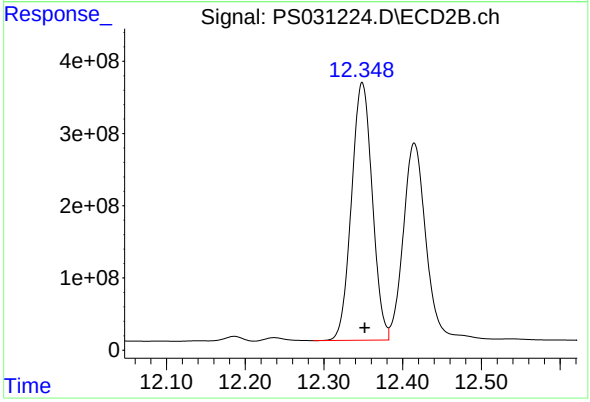
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 5459960837
Conc: 219.32 ng/ml



#16 DCPA

R.T.: 11.714 min
Delta R.T.: -0.011 min
Response: 6525345838
Conc: 227.42 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 6541661099
Conc: 283.98 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:38
Operator : AR\AJ
Sample : Q2638-11MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.321	7.763	1182.7E6	293.5E6	272.000	289.212
		Target Compounds						
1)	T	Dalapon	2.681	2.698	2742.6E6	1613.3E6	437.209	568.732 #
2)	T	3,5-DICHL...	6.484	6.710	1601.7E6	432.1E6	290.027	280.572
3)	T	4-Nitroph...	7.121	7.297	401.7E6	405.8E6	243.642	224.262
5)	T	DICAMBA	7.510	7.965	4385.7E6	1684.4E6	265.846	261.004
6)	T	MCPP	7.690	8.062	228.4E6	43782966	22.816	21.072
7)	T	MCPA	7.838	8.309	313.5E6	61286173	25.055	19.424
8)	T	DICHLORPROP	8.221	8.684	1120.5E6	435.1E6	293.162	287.228
9)	T	2,4-D	8.453	9.020	1400.6E6	575.9E6	375.005	339.097
10)	T	Pentachlo...	8.759	9.544	15735.7E6	9959.1E6	288.085	254.830
11)	T	2,4,5-TP ...	9.338	9.925	6625.4E6	4435.0E6	301.793	297.768
12)	T	2,4,5-T	9.632	10.353	6100.6E6	3953.0E6	312.406	277.997
13)	T	2,4-DB	10.209	10.920	1202.8E6	302.0E6	402.274	257.968 #
14)	T	DINOSEB	11.422	11.305	555.3E6	351.3E6	35.669	31.084
15)	T	Picloram	11.232	12.415	5206.9E6	5024.0E6	260.260	201.807
16)	T	DCPA	11.716	12.348	6191.0E6	5963.1E6	215.762	258.861

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

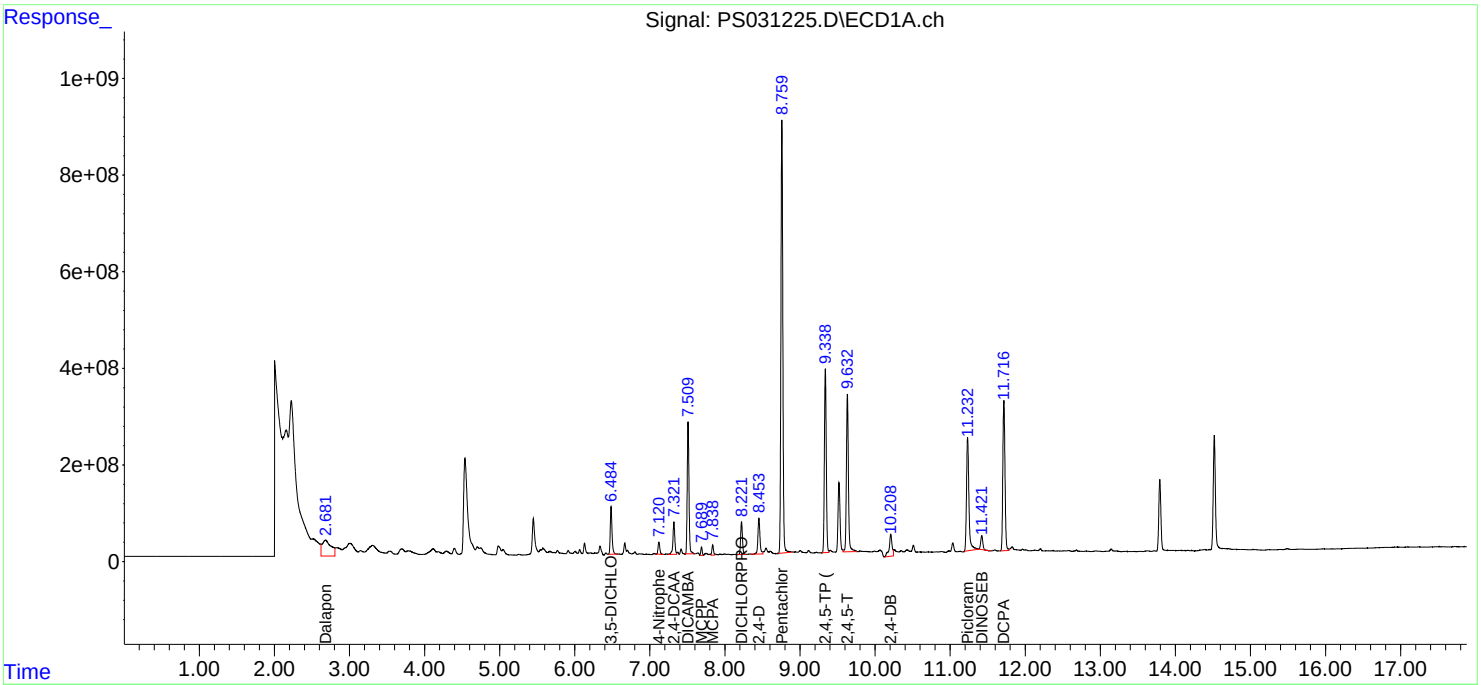
Quantitation Report (Not Reviewed)

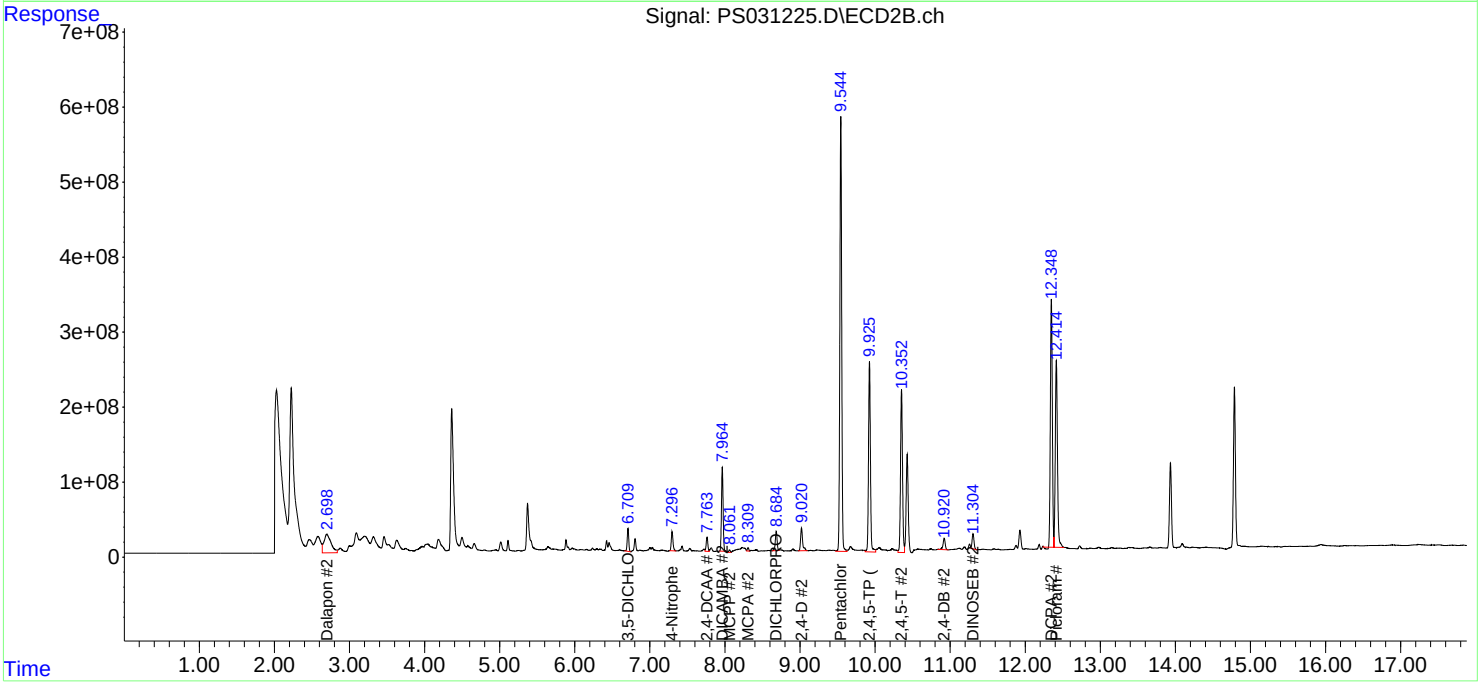
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:38
Operator : AR\AJ
Sample : Q2638-11MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

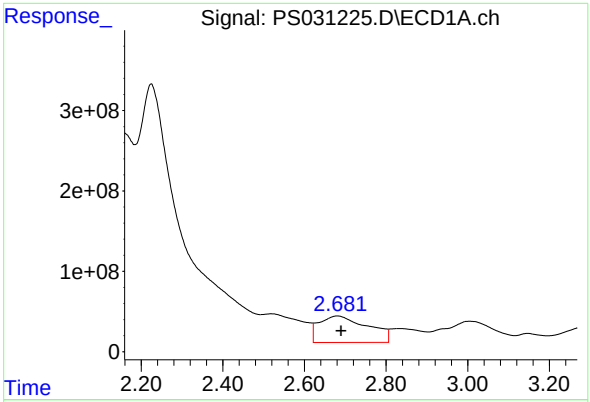
Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



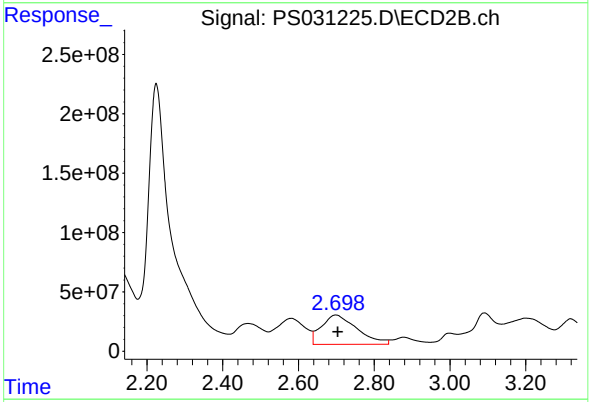




#1 Dalapon

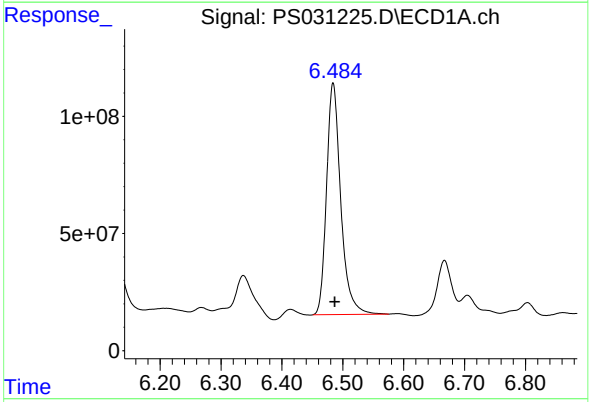
R.T.: 2.681 min
Delta R.T.: -0.009 min
Response: 2742570397
Conc: 437.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



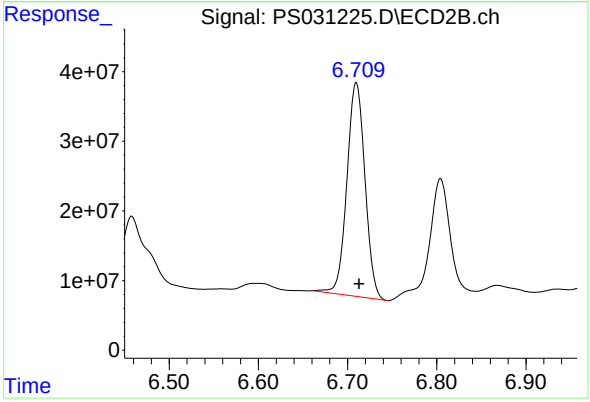
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: -0.005 min
Response: 1613345954
Conc: 568.73 ng/ml



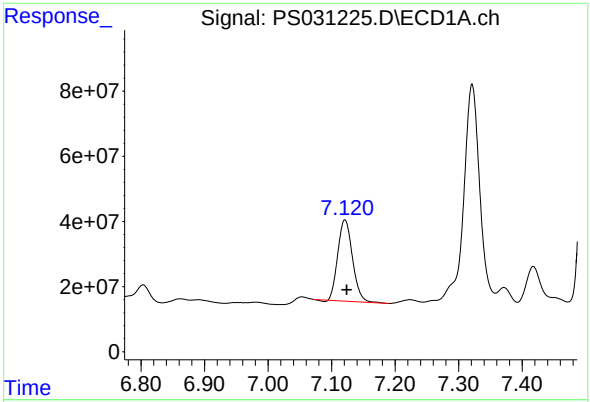
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 1601749499
Conc: 290.03 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

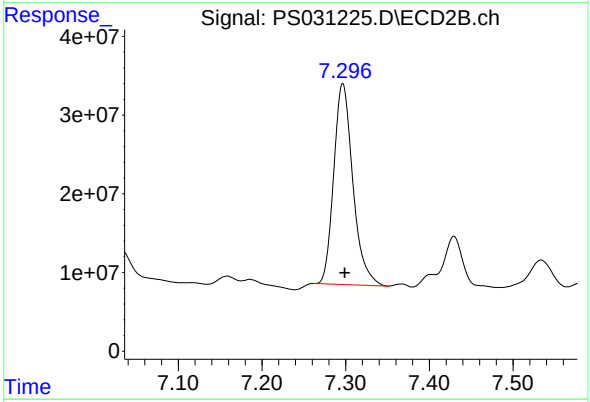
R.T.: 6.710 min
Delta R.T.: -0.003 min
Response: 432050693
Conc: 280.57 ng/ml



#3 4-Nitrophenol

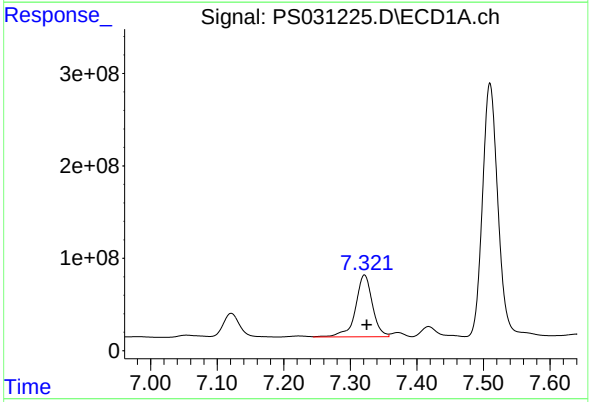
R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 401714088
Conc: 243.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



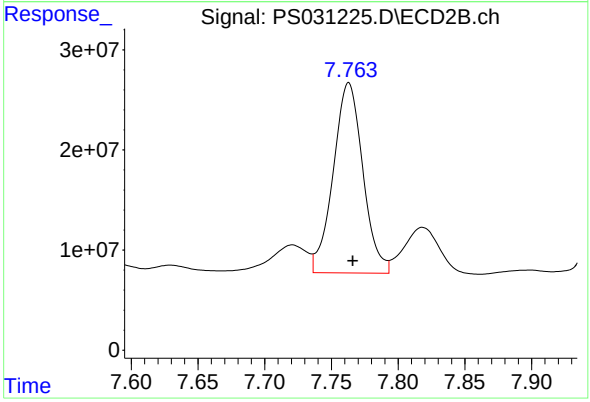
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 405761384
Conc: 224.26 ng/ml



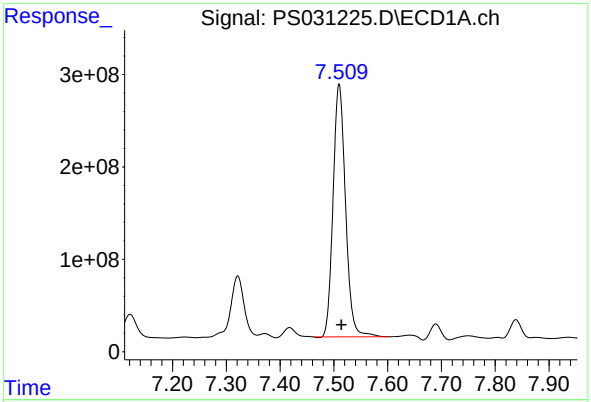
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 1182723721
Conc: 272.00 ng/ml



#4 2,4-DCAA

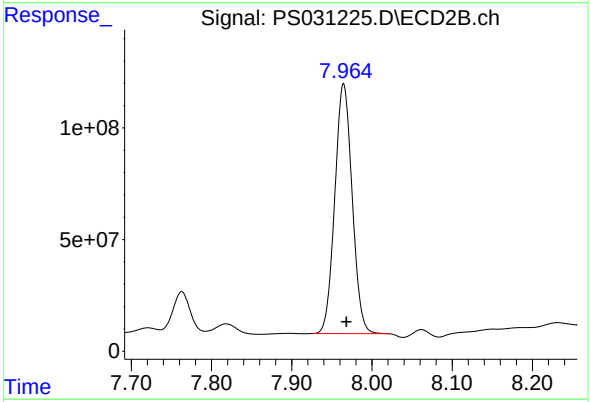
R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 293540872
Conc: 289.21 ng/ml



#5 DICAMBA

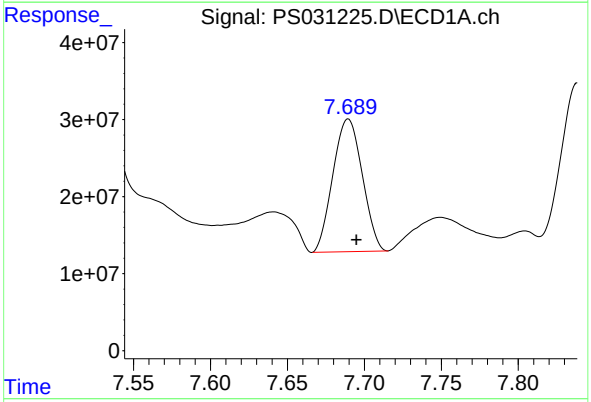
R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 4385656062
Conc: 265.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



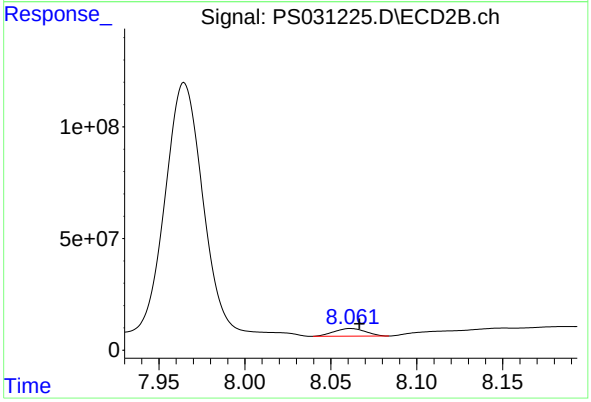
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: -0.003 min
Response: 1684355051
Conc: 261.00 ng/ml



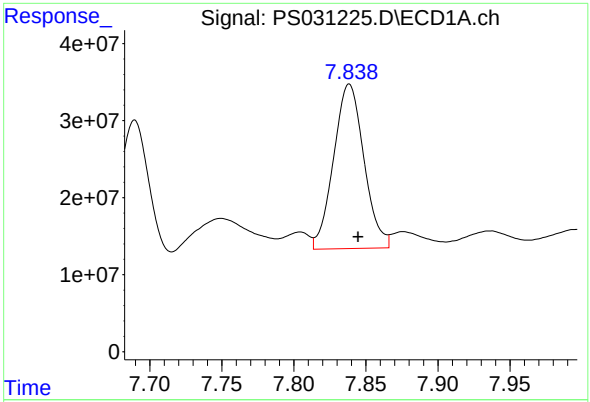
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.005 min
Response: 228389997
Conc: 22.82 ug/ml



#6 MCPP

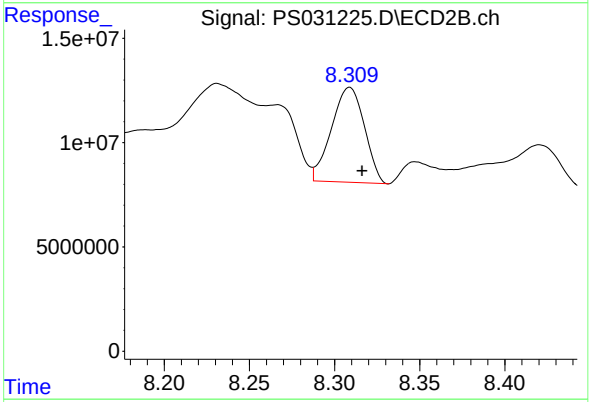
R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 43782966
Conc: 21.07 ug/ml



#7 MCPA

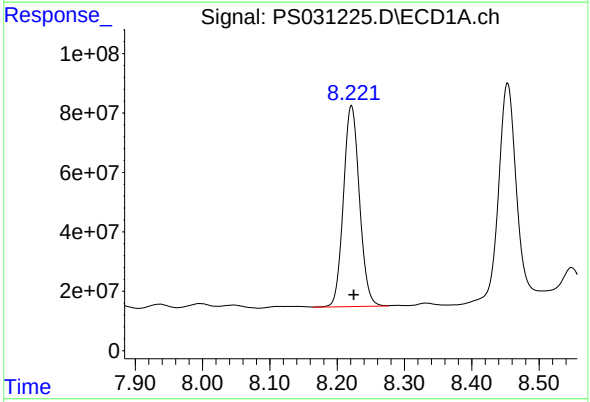
R.T.: 7.838 min
Delta R.T.: -0.006 min
Response: 313549621
Conc: 25.06 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



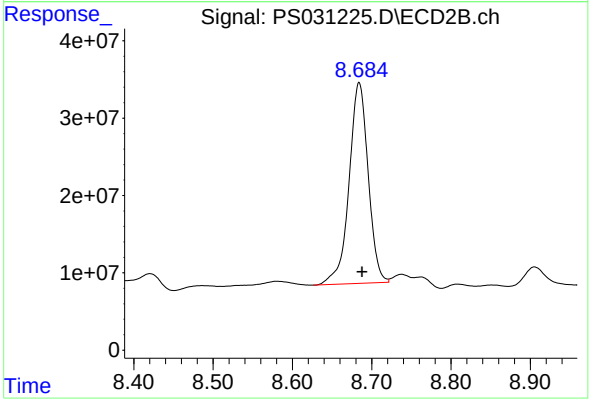
#7 MCPA

R.T.: 8.309 min
Delta R.T.: -0.008 min
Response: 61286173
Conc: 19.42 ug/ml



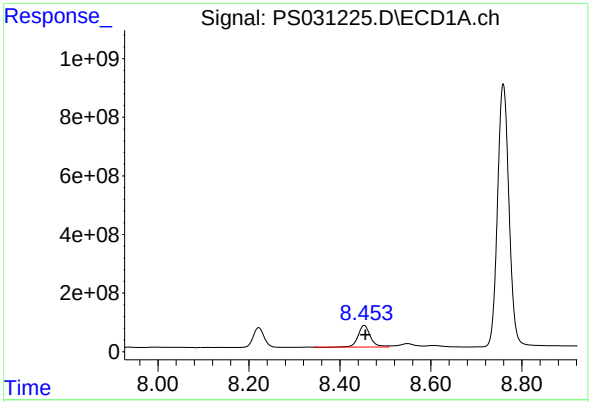
#8 DICHLORPROP

R.T.: 8.221 min
Delta R.T.: -0.003 min
Response: 1120450848
Conc: 293.16 ng/ml



#8 DICHLORPROP

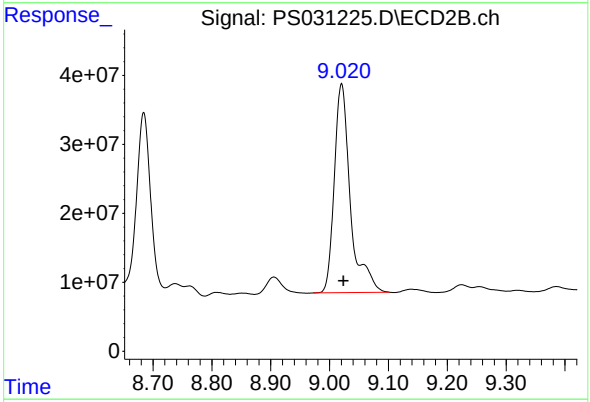
R.T.: 8.684 min
Delta R.T.: -0.003 min
Response: 435109799
Conc: 287.23 ng/ml



#9 2,4-D

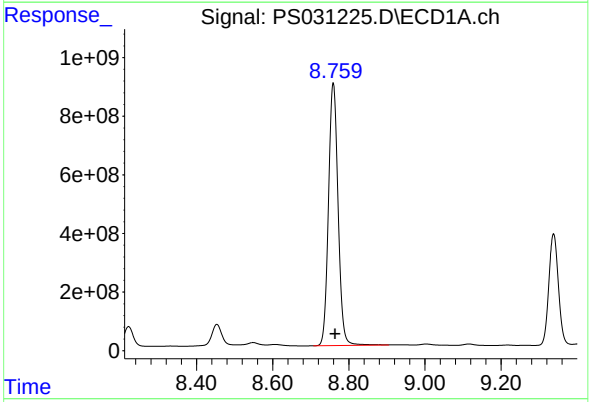
R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 1400610972
Conc: 375.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



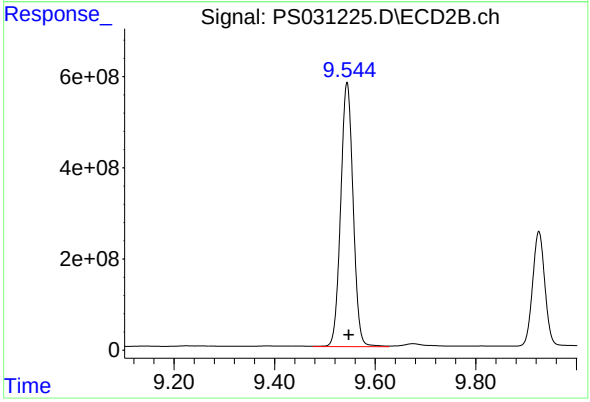
#9 2,4-D

R.T.: 9.020 min
Delta R.T.: -0.003 min
Response: 575895516
Conc: 339.10 ng/ml



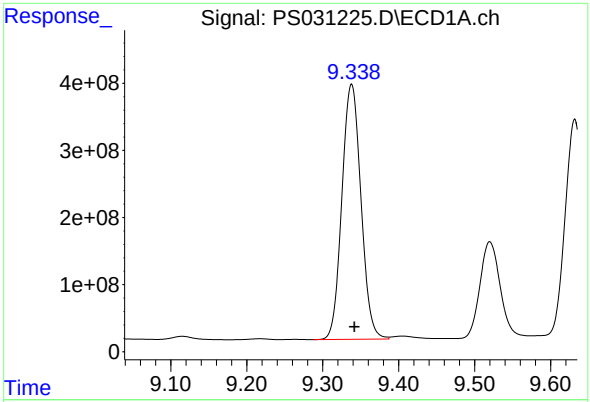
#10 Pentachlorophenol

R.T.: 8.759 min
Delta R.T.: -0.005 min
Response: 15735660963
Conc: 288.09 ng/ml



#10 Pentachlorophenol

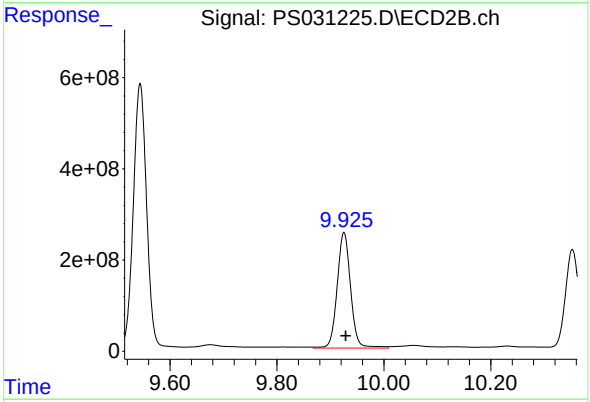
R.T.: 9.544 min
Delta R.T.: -0.003 min
Response: 9959080367
Conc: 254.83 ng/ml



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

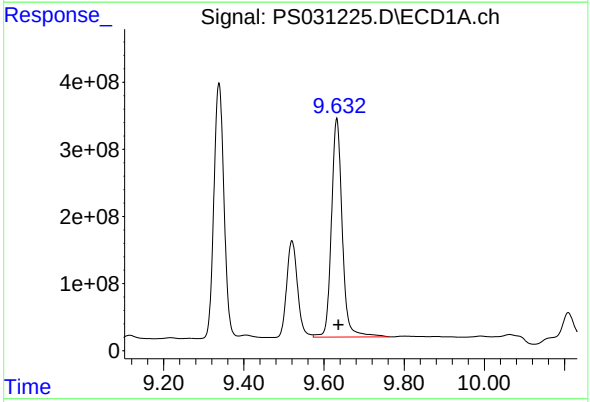
R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 6625438369
Conc: 301.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



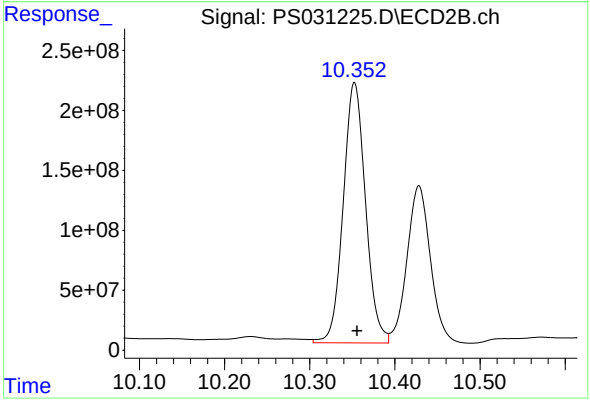
#11 2,4,5-TP (SILVEX)

R.T.: 9.925 min
Delta R.T.: -0.003 min
Response: 4435013296
Conc: 297.77 ng/ml



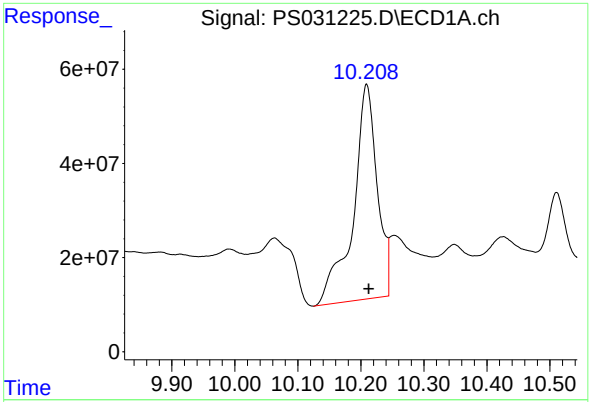
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 6100607360
Conc: 312.41 ng/ml



#12 2,4,5-T

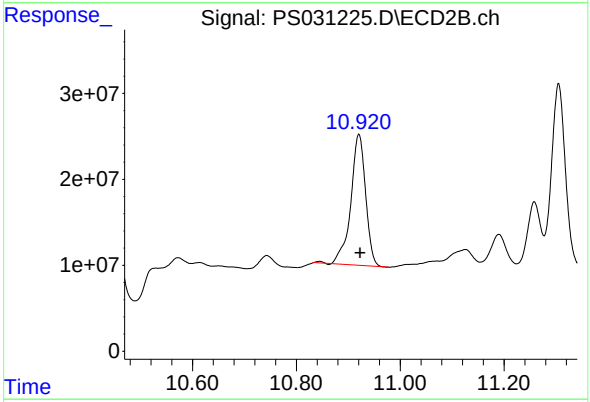
R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 3952961348
Conc: 278.00 ng/ml



#13 2,4-DB

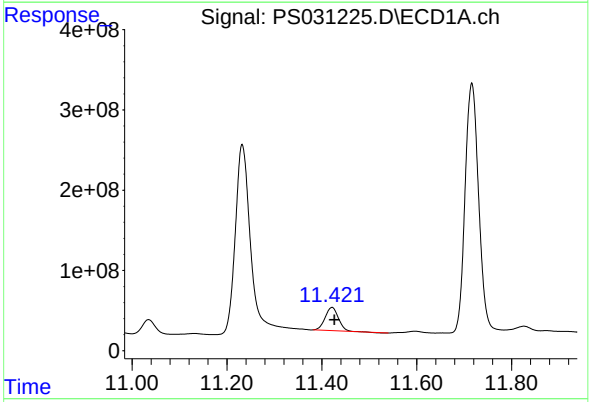
R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 1202751759
Conc: 402.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



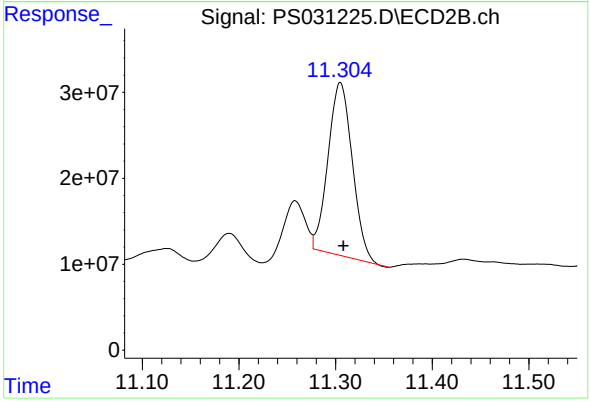
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.002 min
Response: 301954502
Conc: 257.97 ng/ml



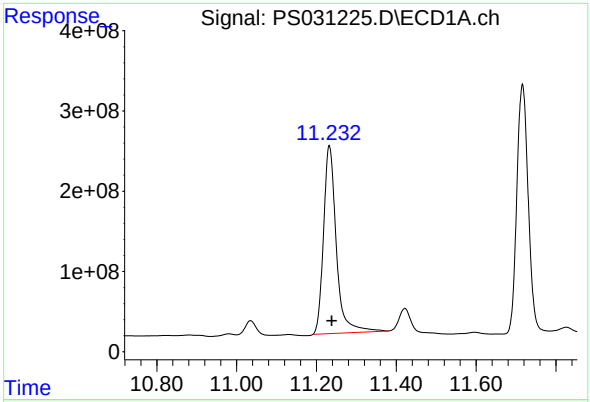
#14 DINOSEB

R.T.: 11.422 min
Delta R.T.: -0.005 min
Response: 555347446
Conc: 35.67 ng/ml



#14 DINOSEB

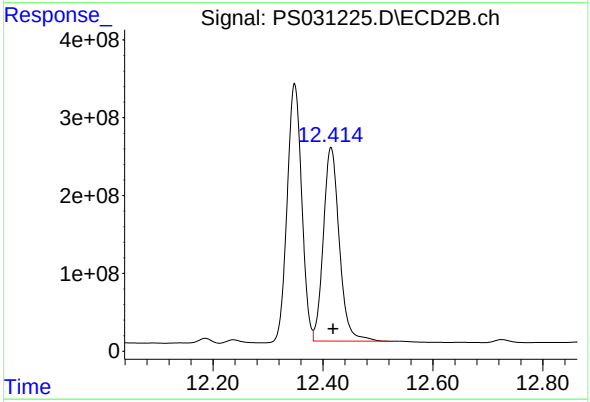
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 351314142
Conc: 31.08 ng/ml



#15 Picloram

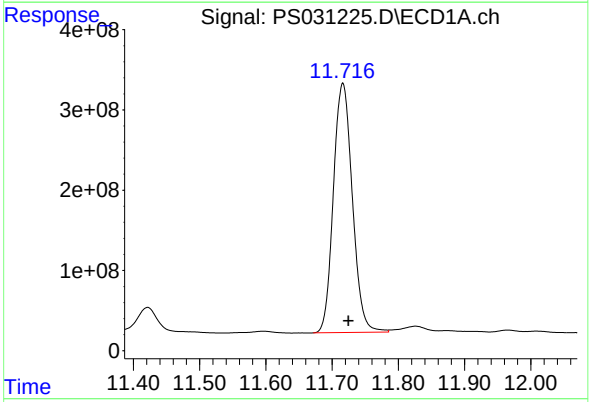
R.T.: 11.232 min
Delta R.T.: -0.007 min
Response: 5206902688
Conc: 260.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



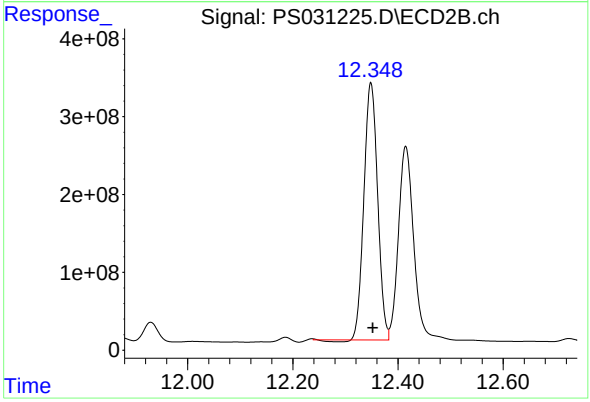
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 5023983370
Conc: 201.81 ng/ml



#16 DCPA

R.T.: 11.716 min
Delta R.T.: -0.008 min
Response: 6190964117
Conc: 215.76 ng/ml



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.003 min
Response: 5963128396
Conc: 258.86 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:50
Operator : AR\AJ
Sample : Q2638-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 26 06:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
4)	S	2,4-DCAA	7.319	7.764	954.0E6	389.0E6	219.405	383.311	#
		Target Compounds							
1)	T	Dalapon	0.000	2.676f	0	964.3E6	N.D.	339.931	
2)	T	3,5-DICHL...	6.508	6.680f	-604265	9619935	N.D.	6.247	
3)	T	4-Nitroph...	7.123	7.320	7377919	35263841	4.475	19.490	#
5)	T	DICAMBA	7.522	7.969	2752097	33757068	<MDL	5.231	#
6)	T	MCPP	7.715	8.069	33528038	98727871	3.349	47.515	#
7)	T	MCPA	7.849	8.331	227.0E6	75031101	18.139	23.780	#
8)	T	DICHLORPROP	8.261f	8.699	184.4E6	14741556	48.241	9.731	#
9)	T	2,4-D	8.431	9.043	20142178	10617121	5.393	6.252	
10)	T	Pentachlo...	8.766	9.532	17797420	30698119	<MDL	<MDL	#
11)	T	2,4,5-TP ...	9.304f	9.946	137.0E6	53872587	6.240	3.617	#
12)	T	2,4,5-T	9.670f	10.345	88228275	389.3E6	4.518	27.380	#
13)	T	2,4-DB	10.233	10.901	153.9E6	5463296	51.473	4.667	#
14)	T	DINOSEB	11.430	11.313	19695577	631.7E6	1.265	55.893	#
15)	T	Picloram	11.232	12.421	49760703	56029337	2.487	2.251	
16)	T	DCPA	11.703	12.321f	53972178	-14356538	1.881	N.D.	#

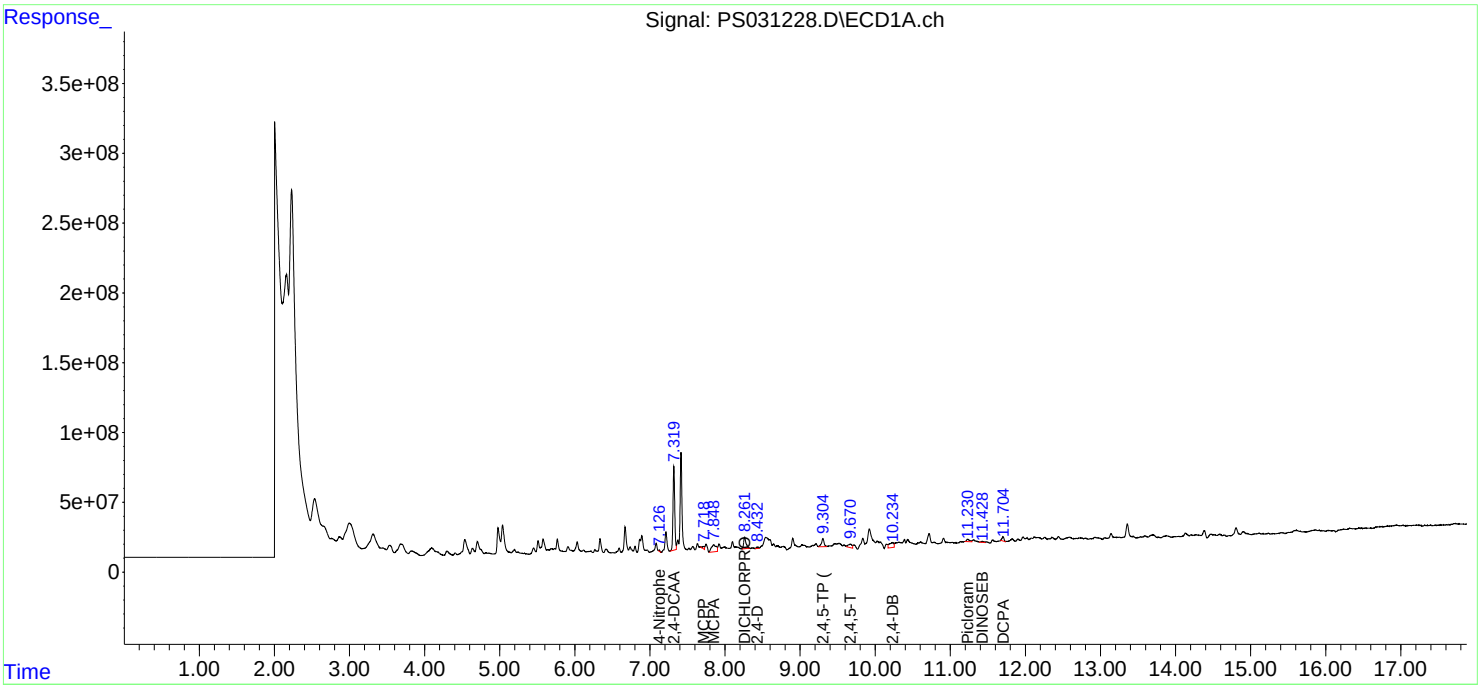
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

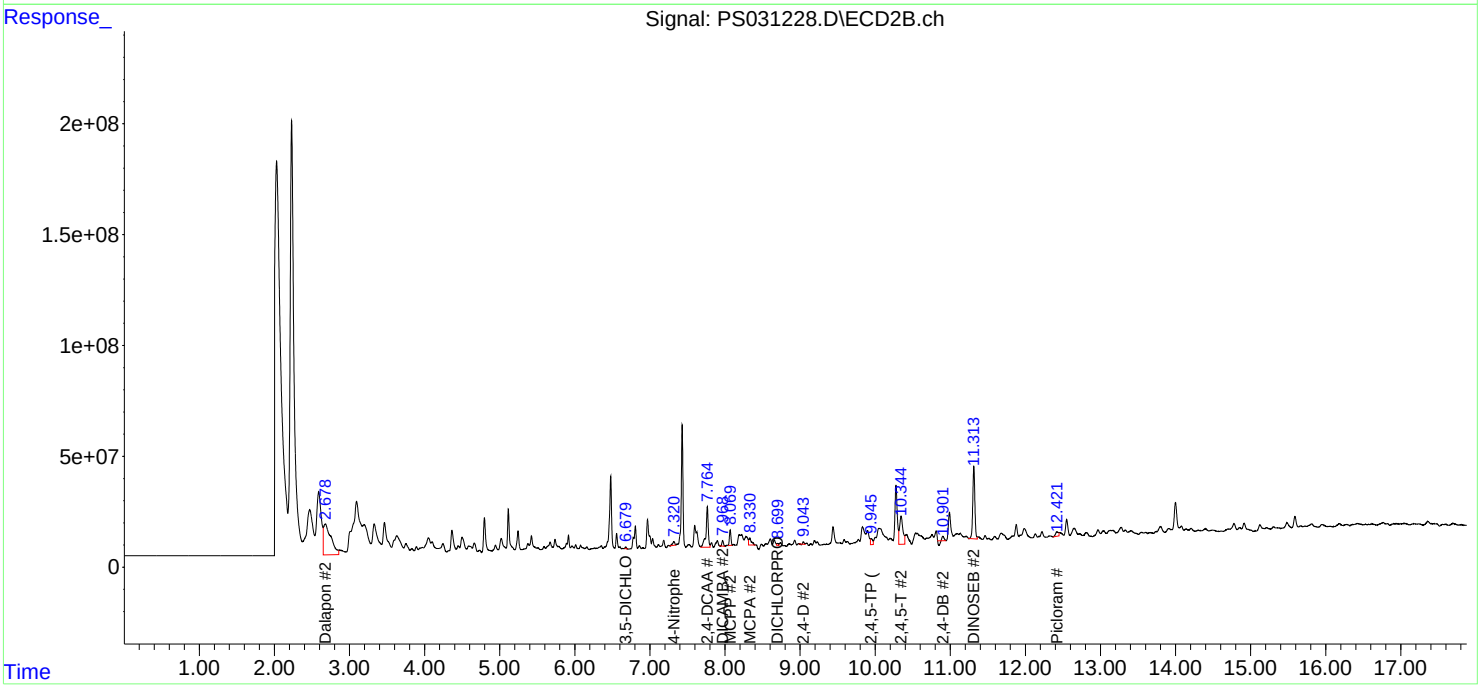
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:50
Operator : AR\AJ
Sample : Q2638-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

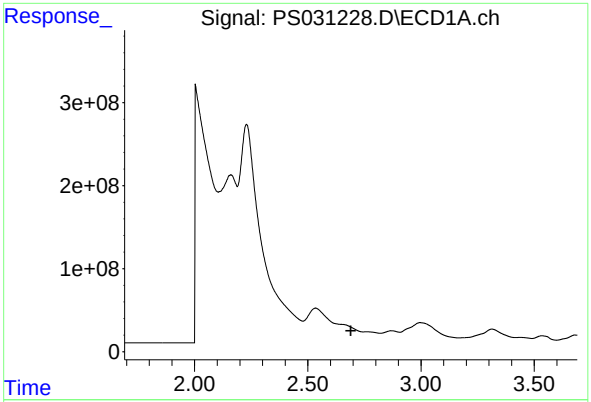
Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 26 06:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



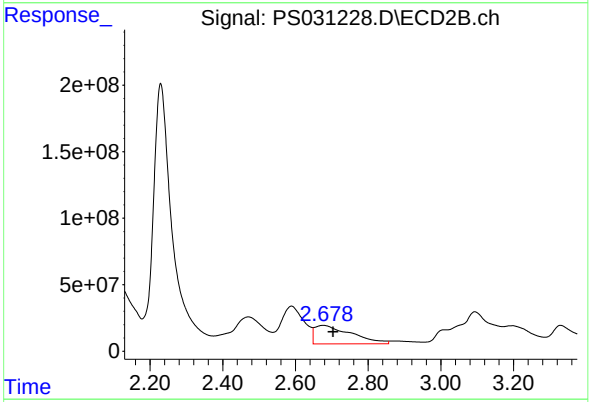




#1 Dalapon

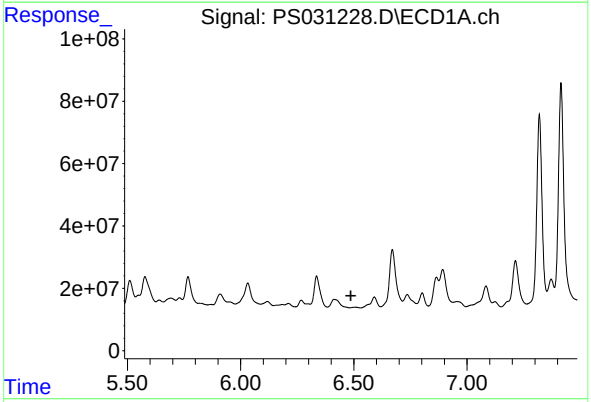
R.T.: 0.000 min
Exp R.T. : 2.690 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725



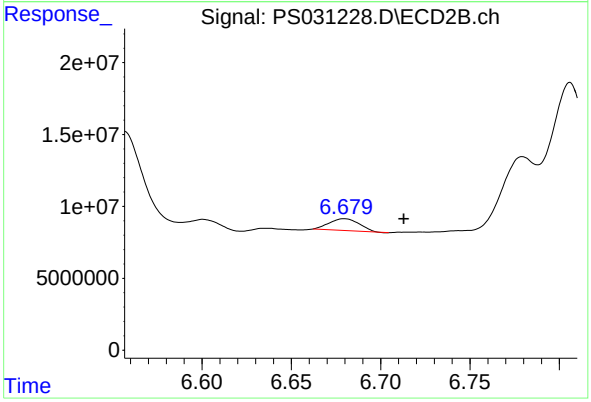
#1 Dalapon

R.T.: 2.676 min
Delta R.T.: -0.027 min
Response: 964297227
Conc: 339.93 ng/ml



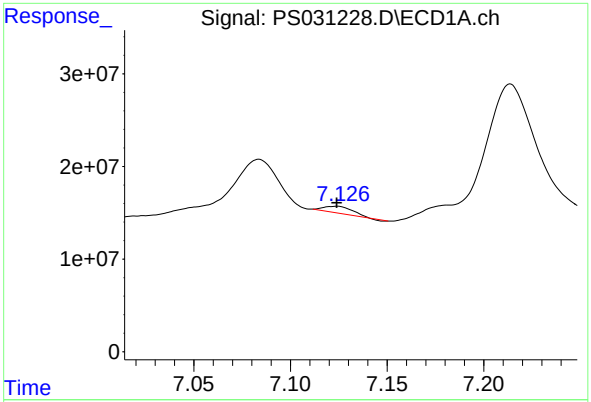
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.508 min
Delta R.T.: 0.021 min
Response: -604265
Conc: N.D.



#2 3,5-DICHLOROBENZOIC ACID

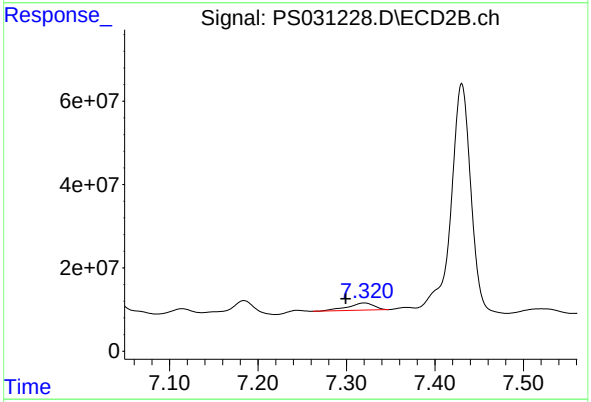
R.T.: 6.680 min
Delta R.T.: -0.033 min
Response: 9619935
Conc: 6.25 ng/ml



#3 4-Nitrophenol

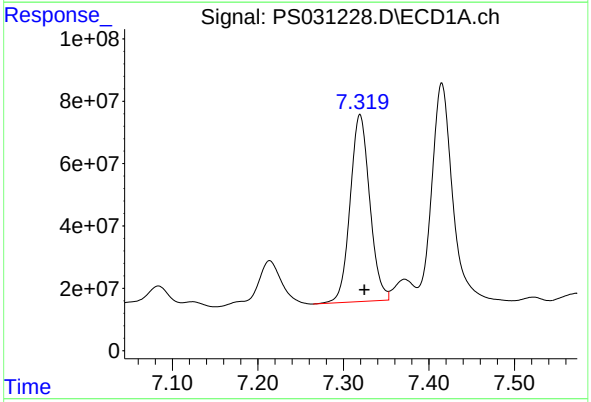
R.T.: 7.123 min
Delta R.T.: 0.000 min
Response: 7377919
Conc: 4.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725



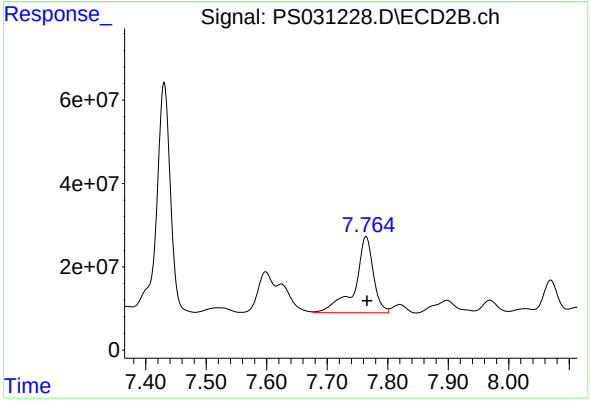
#3 4-Nitrophenol

R.T.: 7.320 min
Delta R.T.: 0.021 min
Response: 35263841
Conc: 19.49 ng/ml



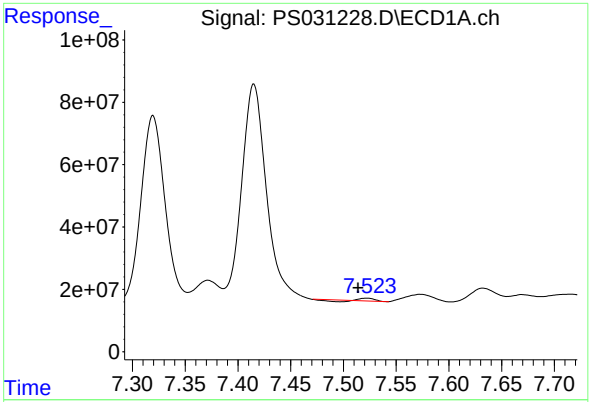
#4 2,4-DCAA

R.T.: 7.319 min
Delta R.T.: -0.005 min
Response: 954030625
Conc: 219.41 ng/ml



#4 2,4-DCAA

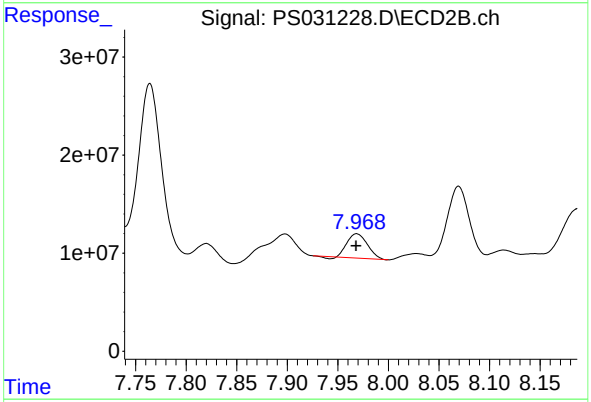
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 389048222
Conc: 383.31 ng/ml



#5 DICAMBA

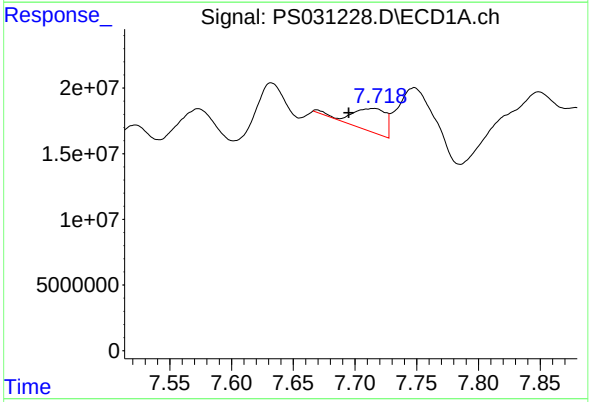
R.T.: 7.522 min
Delta R.T.: 0.008 min
Response: 2752097
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725



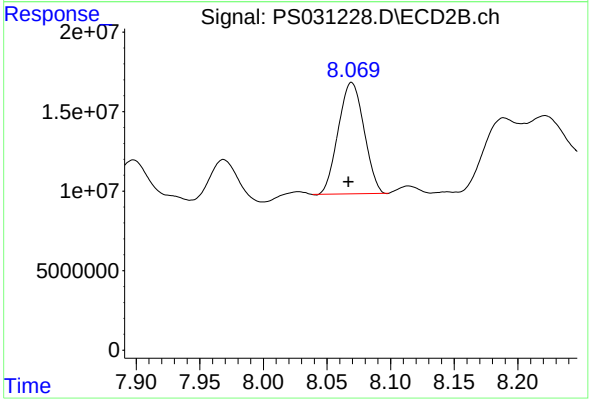
#5 DICAMBA

R.T.: 7.969 min
Delta R.T.: 0.000 min
Response: 33757068
Conc: 5.23 ng/ml



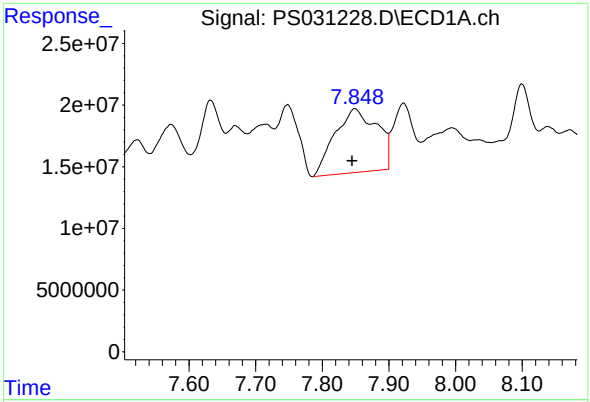
#6 MCPP

R.T.: 7.715 min
Delta R.T.: 0.020 min
Response: 33528038
Conc: 3.35 ug/ml



#6 MCPP

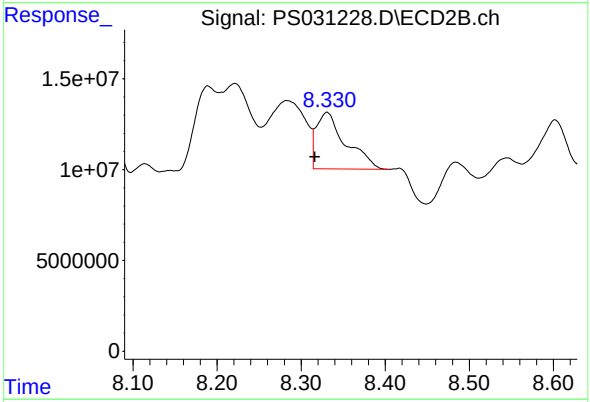
R.T.: 8.069 min
Delta R.T.: 0.003 min
Response: 98727871
Conc: 47.52 ug/ml



#7 MCPA

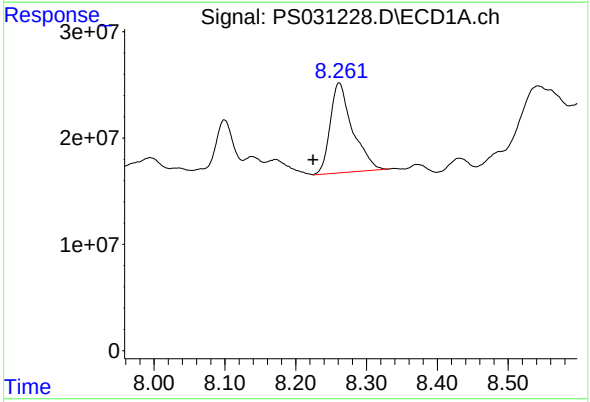
R.T.: 7.849 min
Delta R.T.: 0.004 min
Response: 226998534
Conc: 18.14 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725



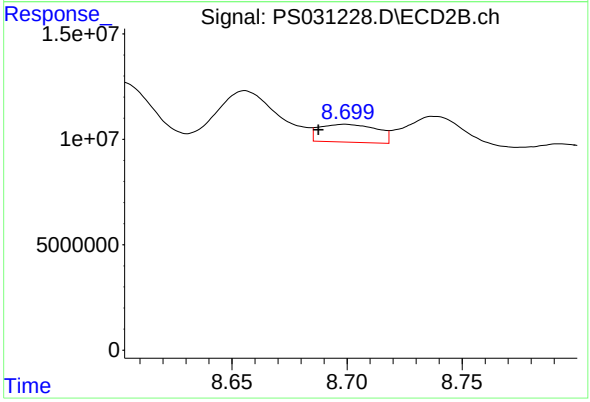
#7 MCPA

R.T.: 8.331 min
Delta R.T.: 0.015 min
Response: 75031101
Conc: 23.78 ug/ml



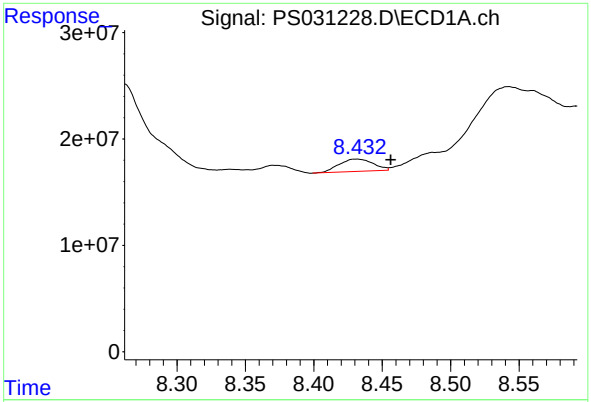
#8 DICHLORPROP

R.T.: 8.261 min
Delta R.T.: 0.037 min
Response: 184373893
Conc: 48.24 ng/ml



#8 DICHLORPROP

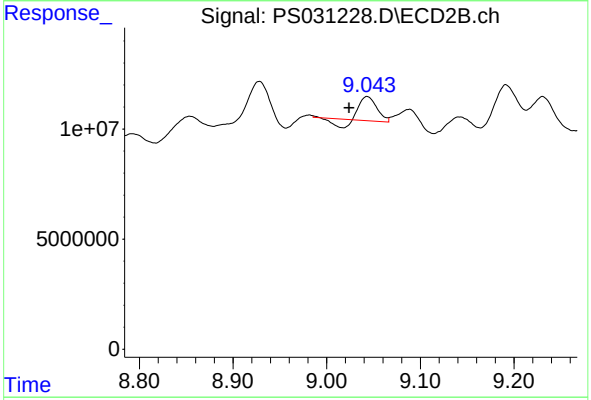
R.T.: 8.699 min
Delta R.T.: 0.011 min
Response: 14741556
Conc: 9.73 ng/ml



#9 2,4-D

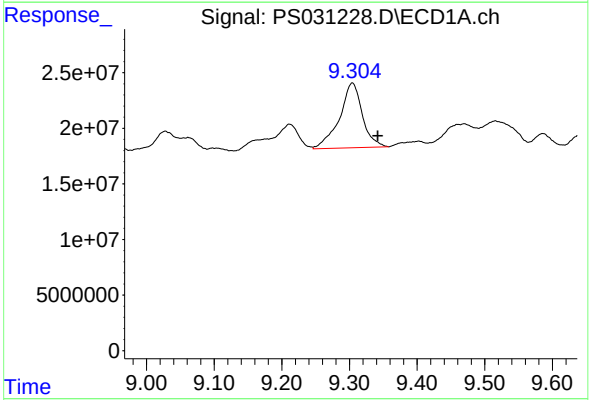
R.T.: 8.431 min
Delta R.T.: -0.025 min
Response: 20142178
Conc: 5.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725



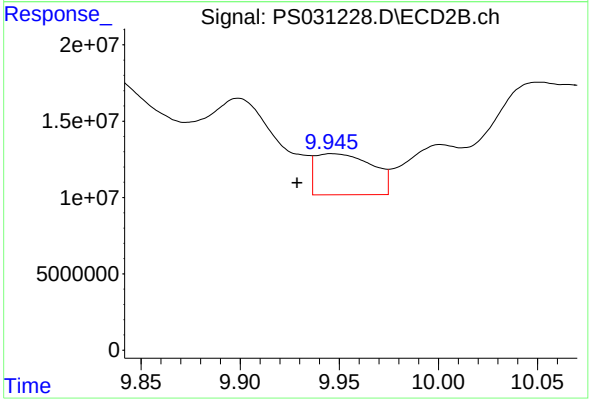
#9 2,4-D

R.T.: 9.043 min
Delta R.T.: 0.020 min
Response: 10617121
Conc: 6.25 ng/ml



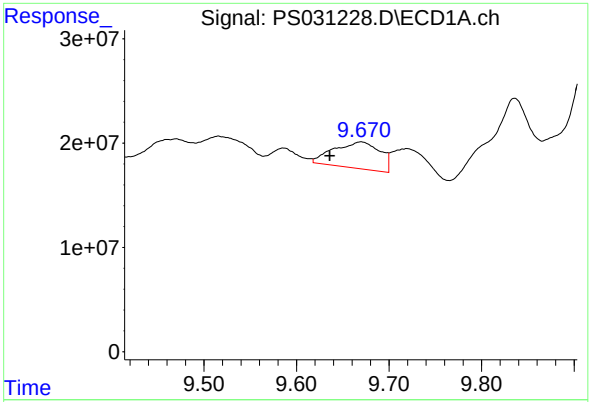
#11 2,4,5-TP (SILVEX)

R.T.: 9.304 min
Delta R.T.: -0.038 min
Response: 136996693
Conc: 6.24 ng/ml



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

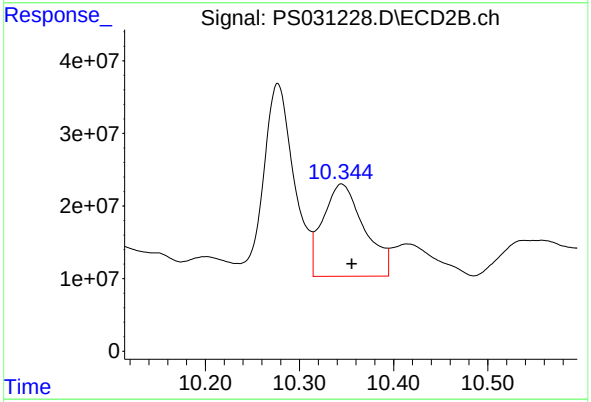
R.T.: 9.946 min
Delta R.T.: 0.018 min
Response: 53872587
Conc: 3.62 ng/ml



#12 2,4,5-T

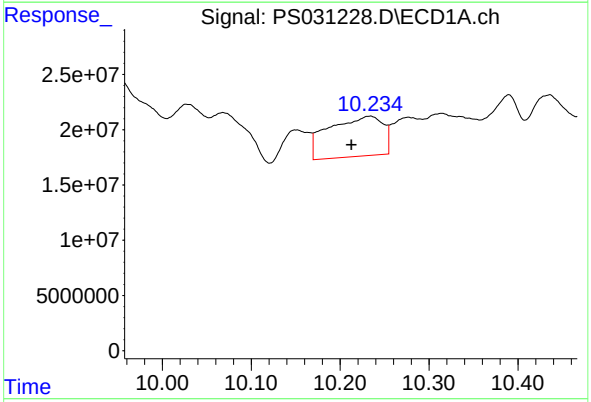
R.T.: 9.670 min
Delta R.T.: 0.034 min
Response: 88228275
Conc: 4.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725



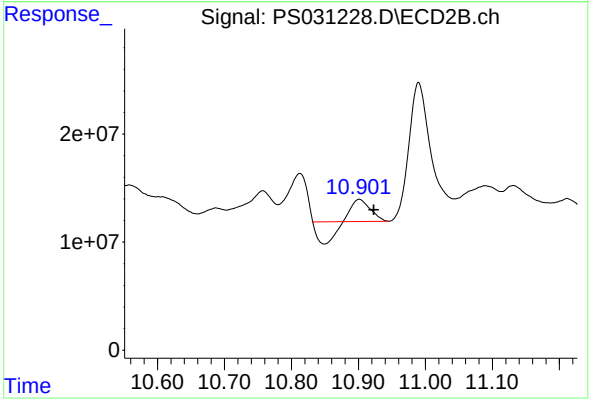
#12 2,4,5-T

R.T.: 10.345 min
Delta R.T.: -0.011 min
Response: 389328529
Conc: 27.38 ng/ml



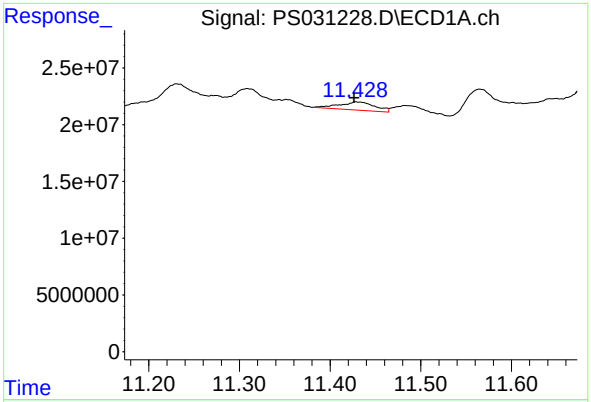
#13 2,4-DB

R.T.: 10.233 min
Delta R.T.: 0.021 min
Response: 153897820
Conc: 51.47 ng/ml



#13 2,4-DB

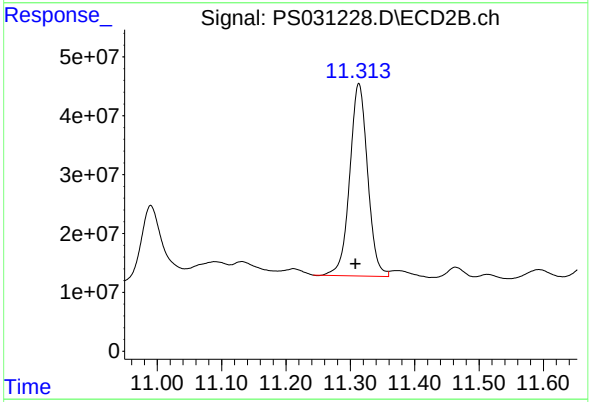
R.T.: 10.901 min
Delta R.T.: -0.021 min
Response: 5463296
Conc: 4.67 ng/ml



#14 DINOSEB

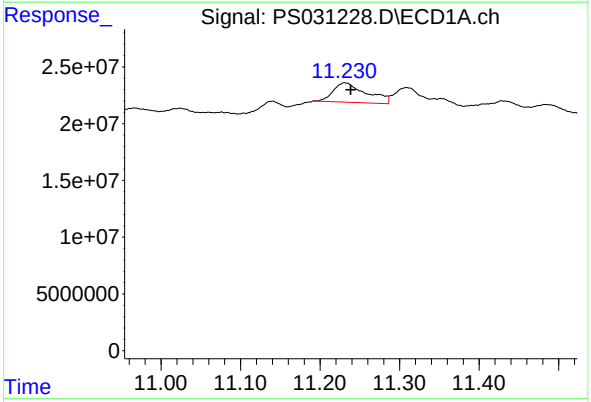
R.T.: 11.430 min
Delta R.T.: 0.004 min
Response: 19695577
Conc: 1.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725



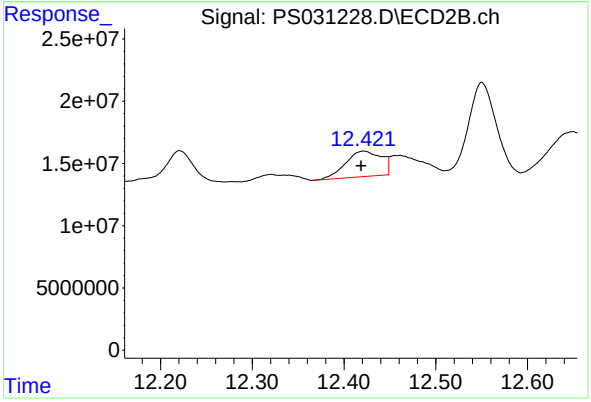
#14 DINOSEB

R.T.: 11.313 min
Delta R.T.: 0.005 min
Response: 631709001
Conc: 55.89 ng/ml



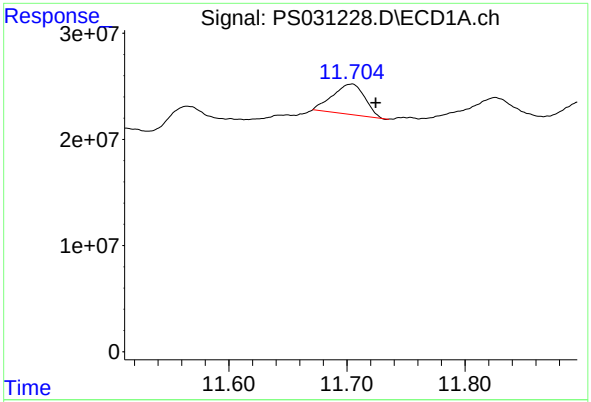
#15 Picloram

R.T.: 11.232 min
Delta R.T.: -0.007 min
Response: 49760703
Conc: 2.49 ng/ml



#15 Picloram

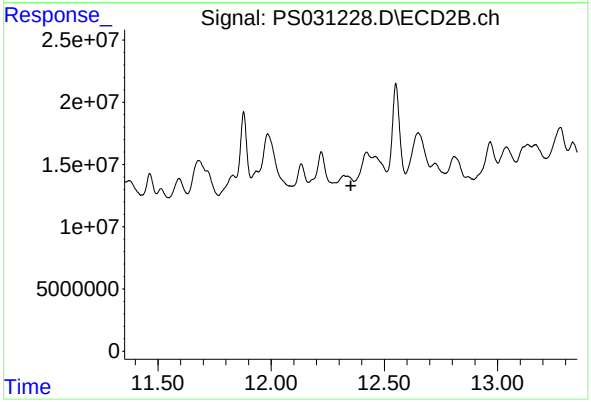
R.T.: 12.421 min
Delta R.T.: 0.003 min
Response: 56029337
Conc: 2.25 ng/ml



#16 DCPA

R.T.: 11.703 min
Delta R.T.: -0.021 min
Response: 53972178
Conc: 1.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-37-071725



#16 DCPA

R.T.: 12.321 min
Delta R.T.: -0.031 min
Response: -14356538
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:39
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:14:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.319	7.764	2897.4E6	704.2E6	666.345	693.771
		Target Compounds						
1)	T	Dalapon	2.687	2.704	3646.8E6	1685.9E6	581.355	594.302
2)	T	3,5-DICHL...	6.482	6.711	3487.2E6	965.5E6	631.428	626.964
3)	T	4-Nitroph...	7.119	7.298	1161.6E6	1119.3E6	704.548	618.645
5)	T	DICAMBA	7.509	7.966	9918.8E6	4200.1E6	601.248	650.842
6)	T	MCPP	7.690	8.065	639.6E6	128.0E6	63.900	61.597
7)	T	MCPA	7.840	8.313	831.6E6	199.2E6	66.456	63.134
8)	T	DICHLORPROP	8.219	8.685	2628.7E6	1015.3E6	687.792	670.244
9)	T	2,4-D	8.451	9.021	2723.9E6	1183.1E6	729.306	696.612
10)	T	Pentachlo...	8.758	9.545	39512.4E6	26526.7E6	723.384	678.760
11)	T	2,4,5-TP ...	9.335	9.926	15136.6E6	10005.9E6	689.481	671.801
12)	T	2,4,5-T	9.629	10.352	14005.9E6	9234.0E6	717.231	649.390
13)	T	2,4-DB	10.207	10.920	2059.8E6	764.1E6	688.914	652.753
14)	T	DINOSEB	11.419	11.305	9704.0E6	6972.8E6	623.271	616.949
15)	T	Picloram	11.229	12.415	15822.6E6	17205.5E6	790.871	691.121
16)	T	DCPA	11.716	12.349	19417.2E6	15356.5E6	676.712	666.629

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

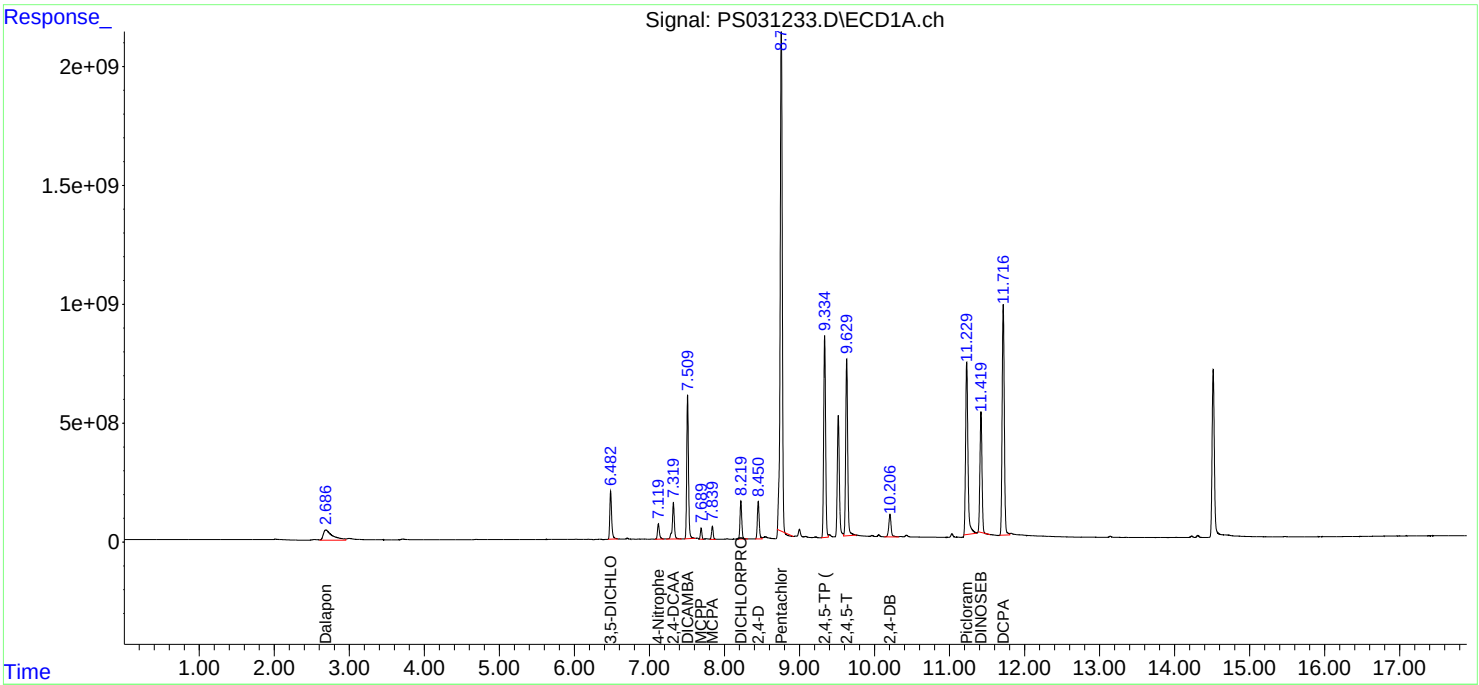
Quantitation Report (Not Reviewed)

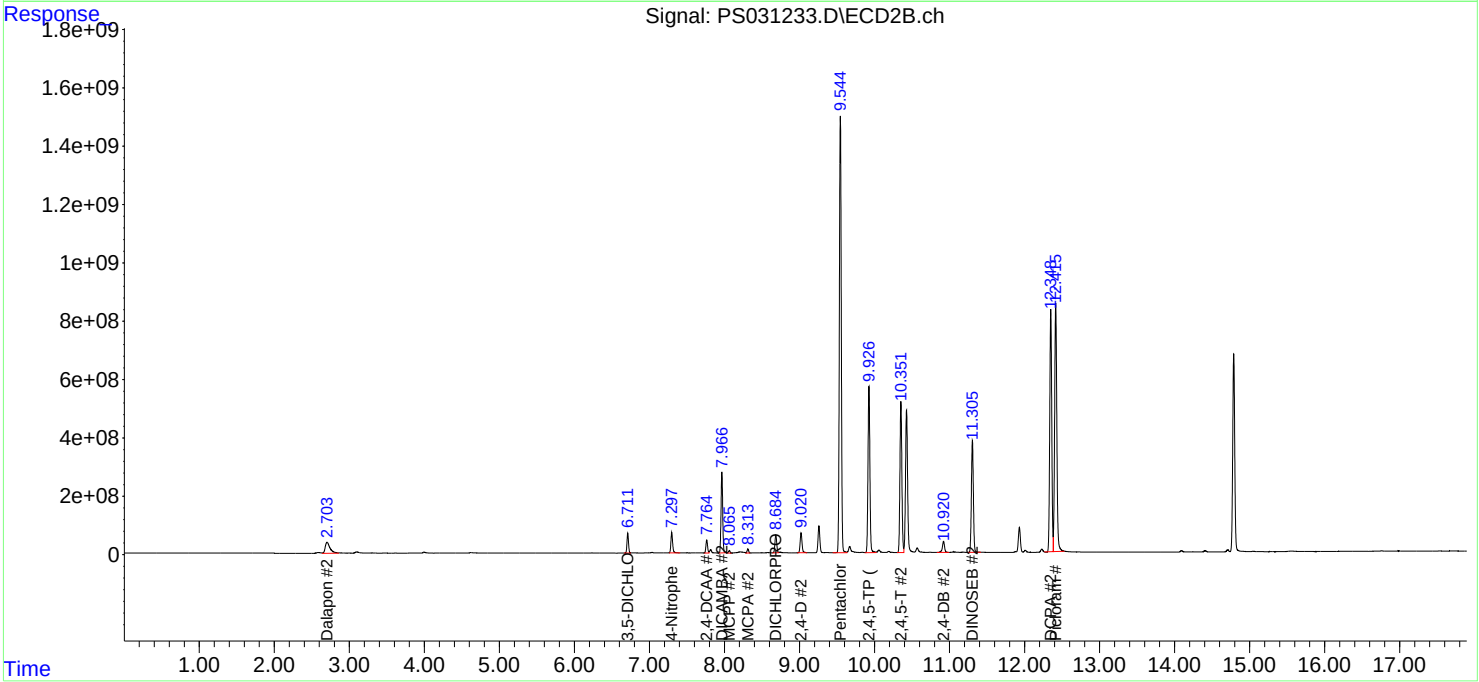
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:39
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 35 Sample Multiplier: 1

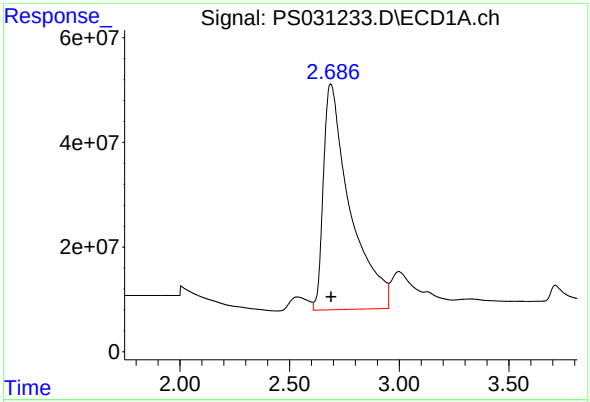
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:14:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



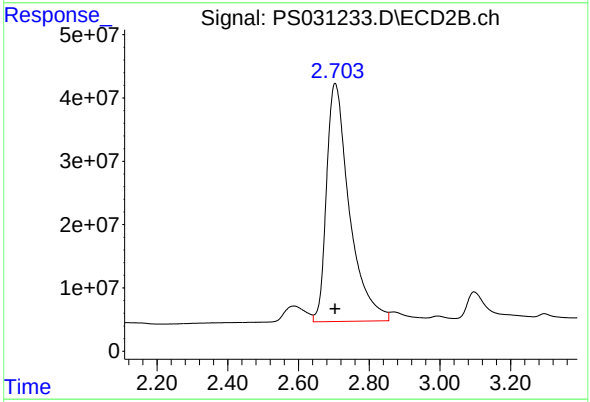




#1 Dalapon

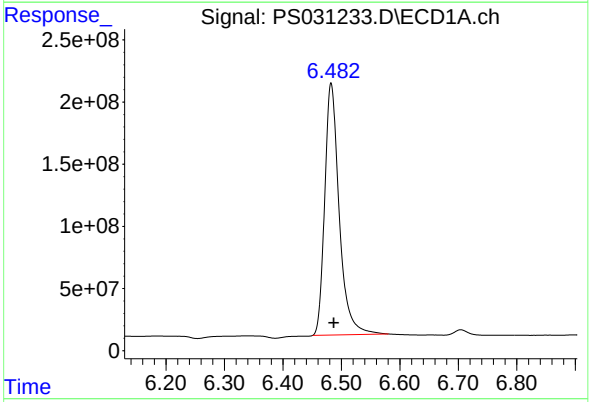
R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 3646786474
Conc: 581.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



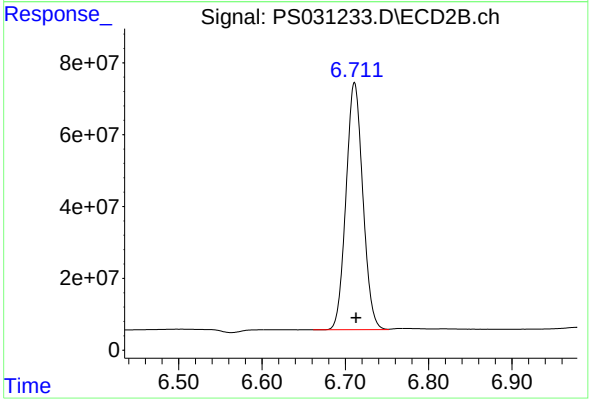
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1685879056
Conc: 594.30 ng/ml



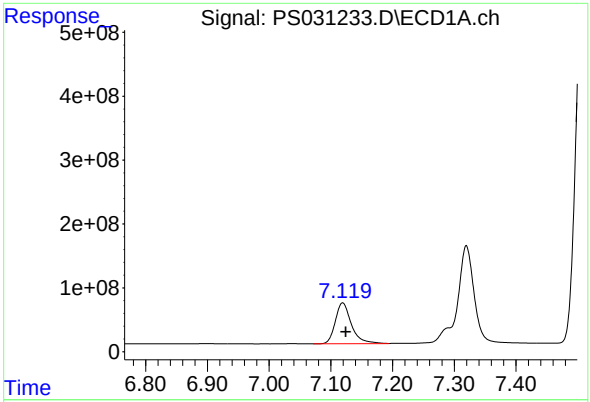
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.482 min
Delta R.T.: -0.004 min
Response: 3487217484
Conc: 631.43 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

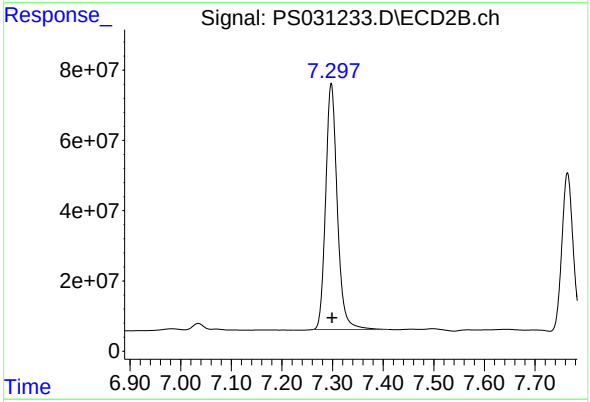
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 965457798
Conc: 626.96 ng/ml



#3 4-Nitrophenol

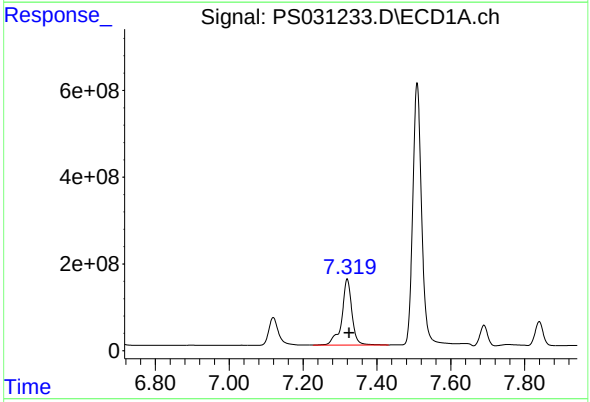
R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 1161648350
Conc: 704.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



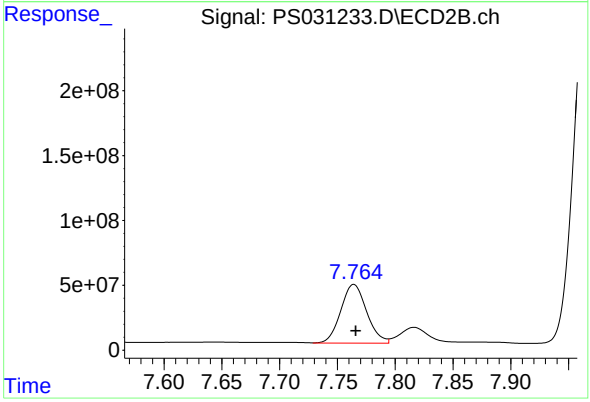
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.002 min
Response: 1119324899
Conc: 618.64 ng/ml



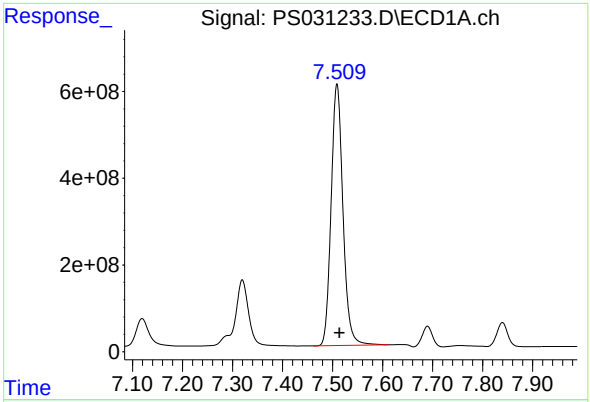
#4 2,4-DCAA

R.T.: 7.319 min
Delta R.T.: -0.005 min
Response: 2897435123
Conc: 666.34 ng/ml



#4 2,4-DCAA

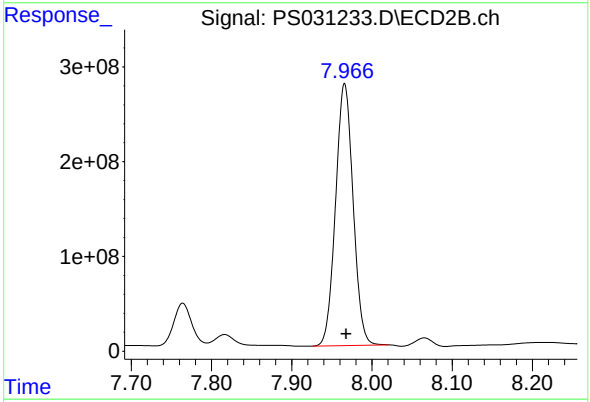
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 704155508
Conc: 693.77 ng/ml



#5 DICAMBA

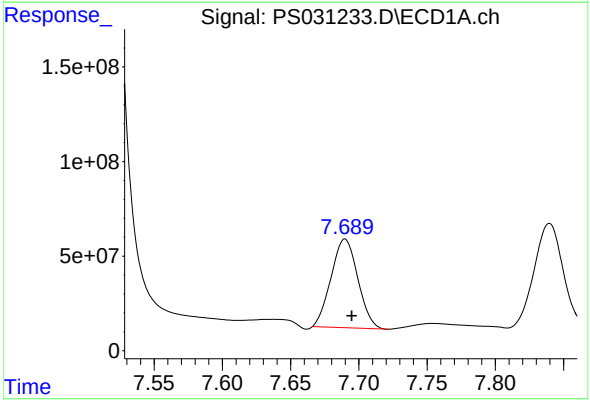
R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 9918771681
Conc: 601.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



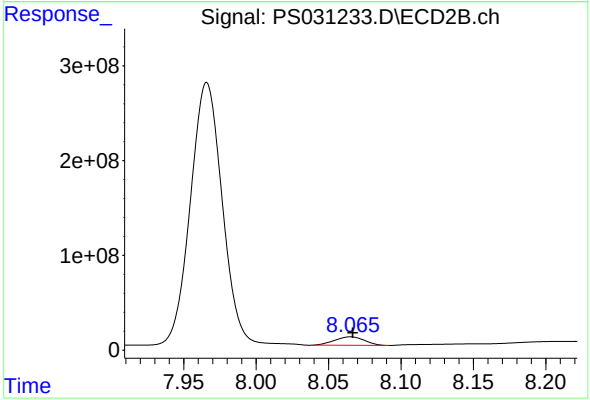
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4200124781
Conc: 650.84 ng/ml



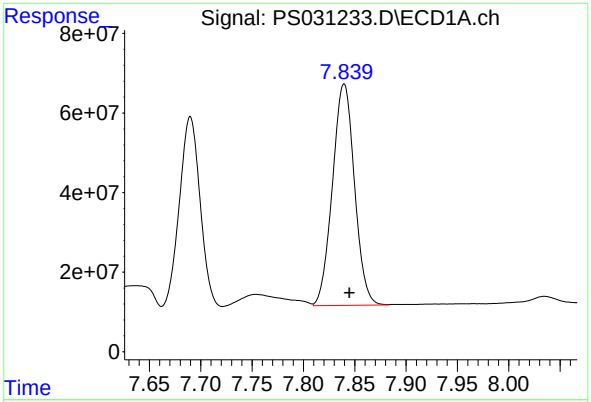
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.005 min
Response: 639646471
Conc: 63.90 ug/ml



#6 MCPP

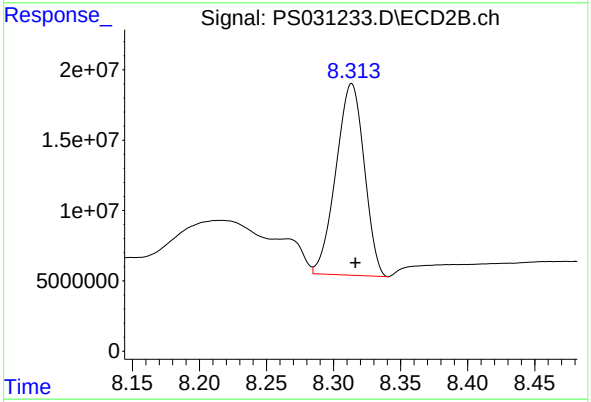
R.T.: 8.065 min
Delta R.T.: -0.001 min
Response: 127986691
Conc: 61.60 ug/ml



#7 MCPA

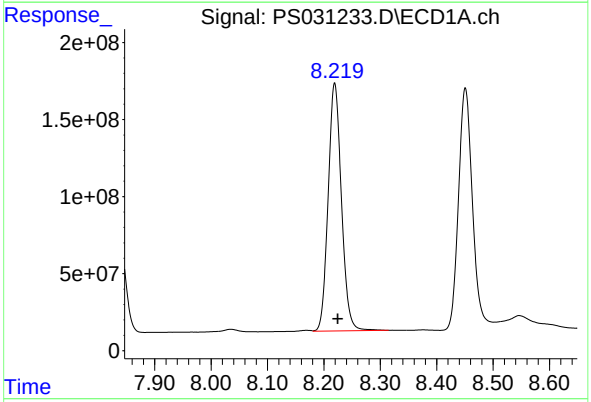
R.T.: 7.840 min
Delta R.T.: -0.005 min
Response: 831645162
Conc: 66.46 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



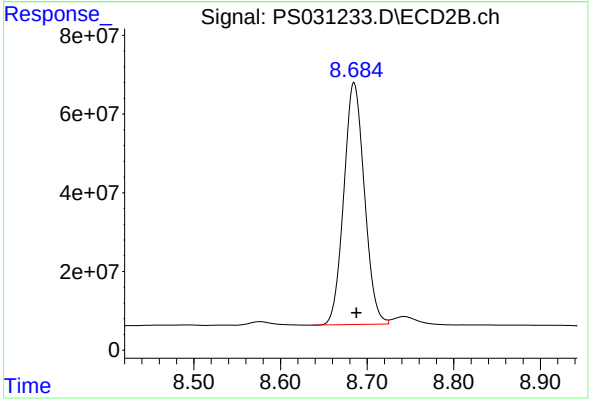
#7 MCPA

R.T.: 8.313 min
Delta R.T.: -0.003 min
Response: 199200038
Conc: 63.13 ug/ml



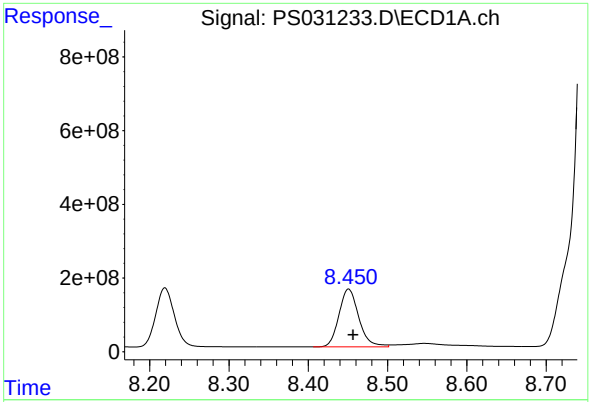
#8 DICHLORPROP

R.T.: 8.219 min
Delta R.T.: -0.005 min
Response: 2628708493
Conc: 687.79 ng/ml



#8 DICHLORPROP

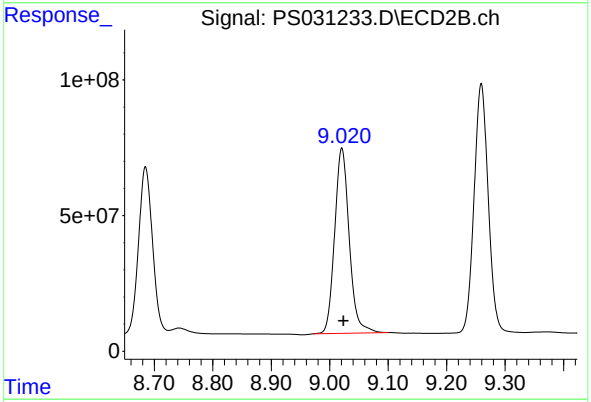
R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 1015326356
Conc: 670.24 ng/ml



#9 2,4-D

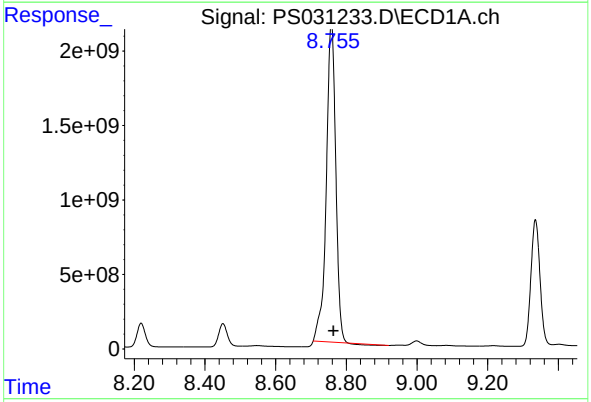
R.T.: 8.451 min
Delta R.T.: -0.006 min
Response: 2723897944
Conc: 729.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



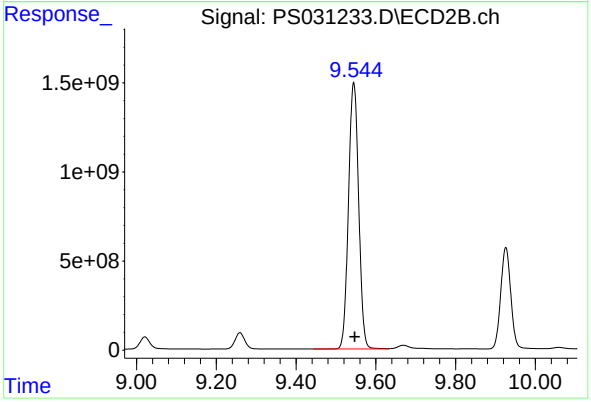
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 1183069685
Conc: 696.61 ng/ml



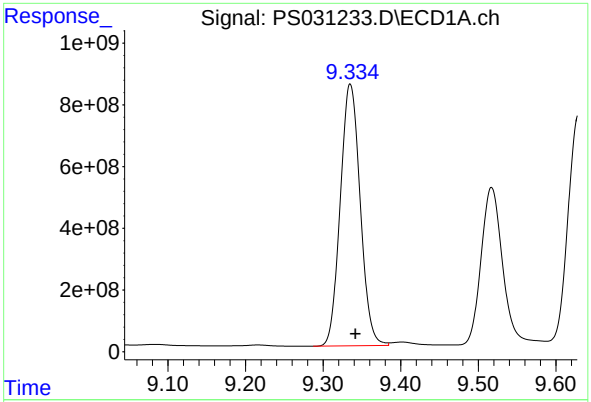
#10 Pentachlorophenol

R.T.: 8.758 min
Delta R.T.: -0.006 min
Response: 39512363181
Conc: 723.38 ng/ml



#10 Pentachlorophenol

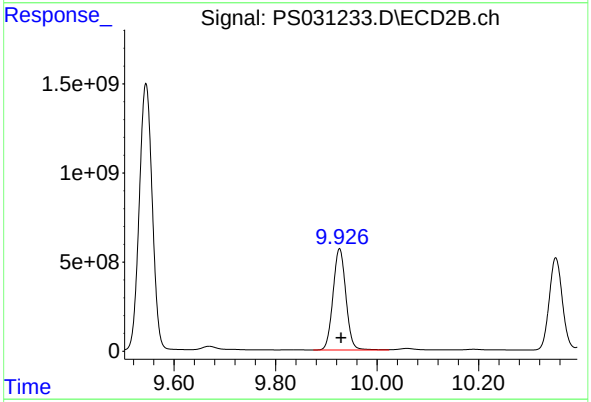
R.T.: 9.545 min
Delta R.T.: -0.003 min
Response: 26526744051
Conc: 678.76 ng/ml



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

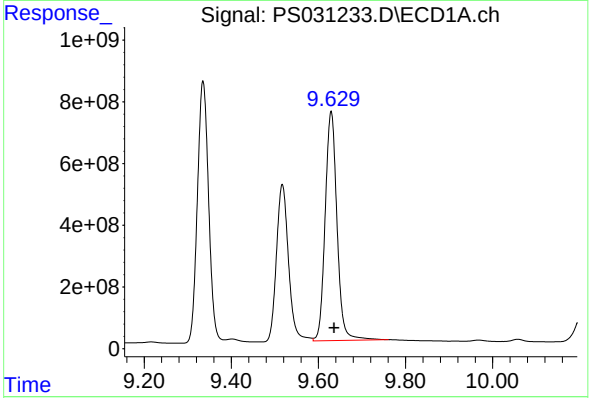
R.T.: 9.335 min
Delta R.T.: -0.007 min
Response: 15136567168
Conc: 689.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



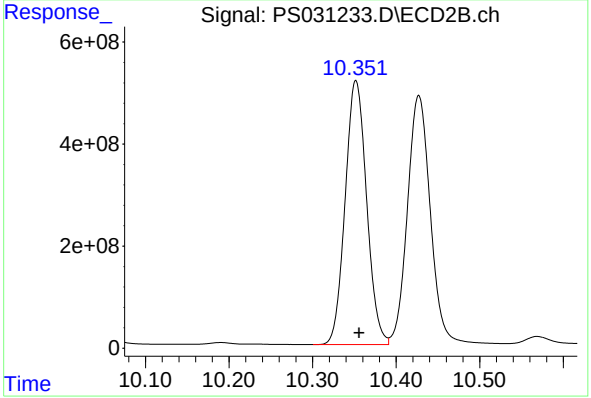
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 10005926582
Conc: 671.80 ng/ml



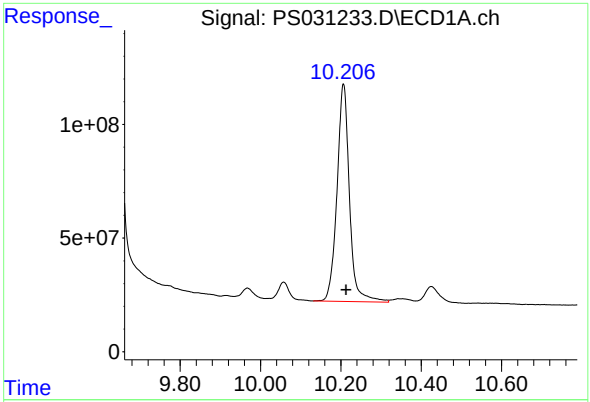
#12 2,4,5-T

R.T.: 9.629 min
Delta R.T.: -0.007 min
Response: 14005933448
Conc: 717.23 ng/ml



#12 2,4,5-T

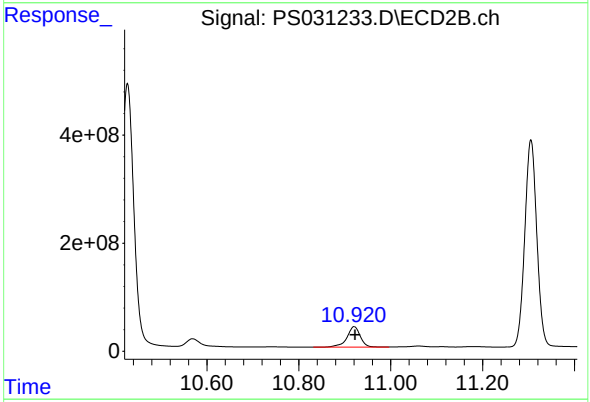
R.T.: 10.352 min
Delta R.T.: -0.004 min
Response: 9233980783
Conc: 649.39 ng/ml



#13 2,4-DB

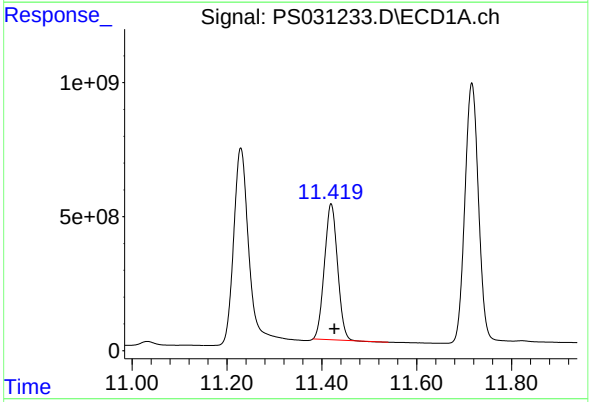
R.T.: 10.207 min
Delta R.T.: -0.006 min
Response: 2059772066
Conc: 688.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



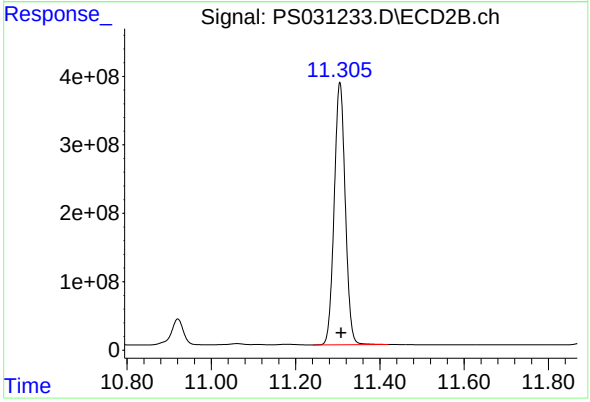
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.002 min
Response: 764054036
Conc: 652.75 ng/ml



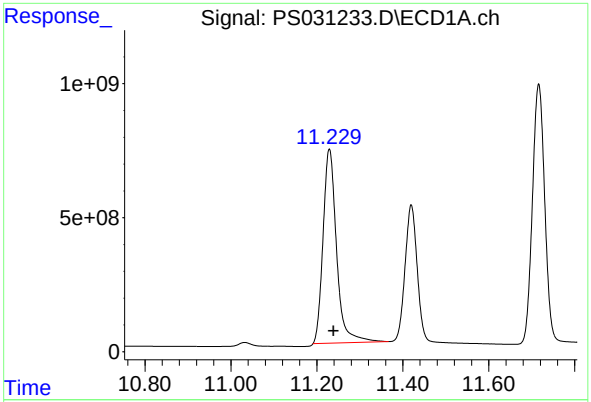
#14 DINOSEB

R.T.: 11.419 min
Delta R.T.: -0.007 min
Response: 9704009222
Conc: 623.27 ng/ml



#14 DINOSEB

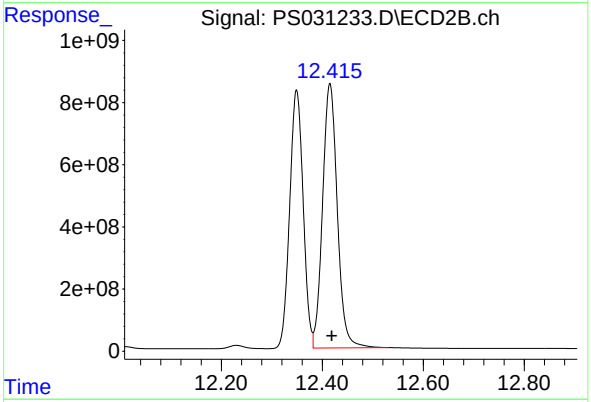
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 6972808210
Conc: 616.95 ng/ml



#15 Picloram

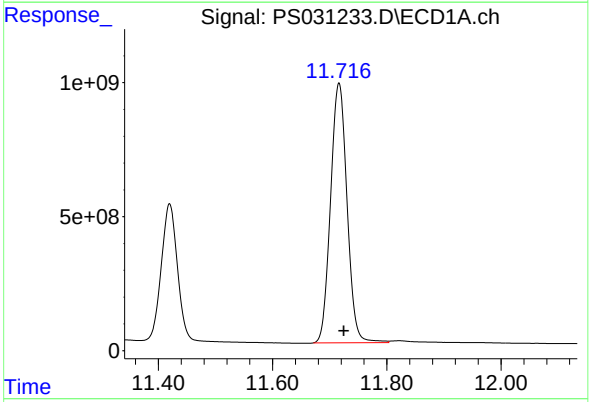
R.T.: 11.229 min
Delta R.T.: -0.010 min
Response: 15822627588
Conc: 790.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



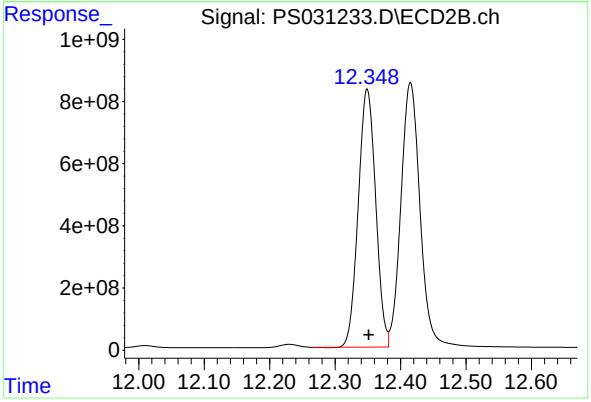
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 17205474787
Conc: 691.12 ng/ml



#16 DCPA

R.T.: 11.716 min
Delta R.T.: -0.008 min
Response: 19417209517
Conc: 676.71 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 15356497385
Conc: 666.63 ng/ml