284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2558

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Alliance TECHNICAL GROUP

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Cover Page

Order ID : Q2558

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2558-01	OU4-TS-Denali-070925
Q2558-02	OU4-TS-Denali-070925
Q2558-03	OU4-TS-Grillo-OG-070925
Q2558-04	OU4-TS-Grillo-OG-070925

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: 7/25/2025

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 # Q2558
Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 07/10/2025.

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 {Q2558-01MS} with File ID: PS031226.D recoveries met the requirements for all compounds except for [Dalapon(1)44%], [Dinoseb(1)8% - Dinoseb(2)8%] due to matrix interference.

The MSD {Q2558-01MSD} with File ID: PS031227.D recoveries met the requirements for all compounds except for [Dalapon(1)38%], [Dinoseb(1)8% - Dinoseb(2)7%] due to matrix interference.

The sample # OU4-TS-Denali-070925MS and OU4-TS-Denali-070925MSD is failing for Dalapon, Dinoseb and the original sample(OU4-TS-Denali-070925) 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.

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The Continuous Calibration File ID PS031089.D met the requirements except for 2,4-DB is failing in 1st column but no positive hit in associated samples therefore no corrective action taken.

The Continuous Calibration File ID PS031100.D met the requirements except for 2,4-DB is failing in 1st column but no positive hit in associated samples therefore no corrective action taken.

The Continuous Calibration File ID PS031110.D met the requirements except for 2,4-DB is failing in 1st column but no positive hit in associated samples therefore no corrective action taken.

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: Q2558 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 File ID PS031089.D met the requirements except for 2,4-DB is failing in 1st column but no positive hit in associated samples therefore no corrective action taken. The Continuous Calibration File ID PS031100.D met the requirements except for 2,4-DB is failing in 1st column but no positive hit in associated samples therefore no corrective action taken. The Continuous Calibration File ID PS031110.D met the requirements except for 2,4-DB is failing in 1st column but no positive hit in associated samples therefore no corrective action taken			✓
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 {Q2558-01MS} with File ID: PS031226.D recoveries met the requirements for all compounds except for [Dalapon(1)44%], [Dinoseb(1)8% - Dinoseb(2)8%] due to matrix interference. The MSD {Q2558-01MSD} with File ID: PS031227.D recoveries met the requirements for all compounds except for [Dalapon(1)38%], [Dinoseb(1)8% - Dinoseb(2)7%] due to matrix interference. The sample # OU4-TS-Denali-070925MS and OU4-TS-Denali-070925MSD is failing for Dalapon, Dinoseb and the original sample(OU4-TS-Denali-070925) is reported with M flag for this compounds. The Blank Spike met requirements for all compounds. The RPD were met for all analysis.		✓	

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2558

	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:** 07/25/2025

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LAB CHRONICLE

OrderID:	Q2558	**OrderDate:**	7/10/2025 11:16:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2558-01	**OU4-TS-Denali-070925**	**SOIL**			**07/09/25**			**07/10/25**
			Herbicide Group1	8151A		07/16/25	07/17/25	
			PCB	8082A		07/11/25	07/11/25	
			Pesticide-TCL	8081B		07/11/25	07/14/25	
Q2558-03	**OU4-TS-Grillo-OG-070925**	**SOIL**			**07/09/25**			**07/10/25**
			Herbicide Group1	8151A		07/16/25	07/17/25	
			PCB	8082A		07/11/25	07/14/25	
			Pesticide-TCL	8081B		07/11/25	07/14/25	
Q2558-03RE	**OU4-TS-Grillo-OG-070925RE**	**SOIL**			**07/09/25**			**07/10/25**
			Pesticide-TCL	8081B		07/11/25	07/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2558 **Order ID:** Q2558

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.: Q2558

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PS031005.D	PIBLK-PS031005.D	2,4-DCAA	1	500	356	71		32	138
		2,4-DCAA	2	500	496	99		32	138
I.BLK-PS031088.D	PIBLK-PS031088.D	2,4-DCAA	1	500	465	93		32	138
		2,4-DCAA	2	500	495	99		32	138
Q2558-01	OU4-TS-Denali-070925	2,4-DCAA	1	500	282	56		27	122
		2,4-DCAA	2	500	334	67		27	122
I.BLK-PS031099.D	PIBLK-PS031099.D	2,4-DCAA	1	500	463	93		32	138
		2,4-DCAA	2	500	490	98		32	138
PB168872BL	PB168872BL	2,4-DCAA	1	500	474	95		27	122
		2,4-DCAA	2	500	534	107		27	122
Q2558-03	OU4-TS-Grillo-OG-070925	2,4-DCAA	1	500	345	69		27	122
		2,4-DCAA	2	500	393	79		27	122
I.BLK-PS031109.D	PIBLK-PS031109.D	2,4-DCAA	1	500	468	94		32	138
		2,4-DCAA	2	500	494	99		32	138
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-PS031191.D	PIBLK-PS031191.D	2,4-DCAA	1	500	429	86		32	138
		2,4-DCAA	2	500	518	104		32	138
PB168872BS	PB168872BS	2,4-DCAA	1	500	531	106		27	122
		2,4-DCAA	2	500	524	105		27	122
I.BLK-PS031201.D	PIBLK-PS031201.D	2,4-DCAA	1	500	435	87		32	138
		2,4-DCAA	2	500	526	105		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
Q2558-01MS	OU4-TS-Denali-070925MS	2,4-DCAA	1	500	278	56		27	122
		2,4-DCAA	2	500	321	64		27	122
Q2558-01MSD	OU4-TS-Denali-070925MSD	2,4-DCAA	1	500	277	55		27	122
		2,4-DCAA	2	500	316	63		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.: Q2558 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS031226.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2558-01MS (Column 1)**	**Client Sample ID:**		**OU4-TS-Denali-070925MS**								
	DICAMBA	209.2	0	121	ug/Kg	58				38	132	
	Dalapon	209.2	0	92.2	ug/Kg	44	*			70	130	
	DICHLORPROP	209.2	0	133	ug/Kg	64				28	155	
	2,4-D	209.2	0	160	ug/Kg	76				28	144	
	2,4,5-TP(Silvex)	209.2	0	137	ug/Kg	65				43	129	
	2,4,5-T	209.2	0	142	ug/Kg	68				31	138	
	2,4-DB	209.2	0	102	ug/Kg	49				34	142	
	Dinoseb	209.2	0	16.5	ug/Kg	8	*			57	152	
Lab Sample ID:	**Q2558-01MS (Column 2)**	**Client Sample ID:**		**OU4-TS-Denali-070925MS**								
	DICAMBA	209.2	0	119	ug/Kg	57				38	132	
	Dalapon	209.2	0	204	ug/Kg	98				70	130	
	DICHLORPROP	209.2	0	128	ug/Kg	61				28	155	
	2,4-D	209.2	0	141	ug/Kg	67				28	144	
	2,4,5-TP(Silvex)	209.2	0	128	ug/Kg	61				43	129	
	2,4,5-T	209.2	0	126	ug/Kg	60				31	138	
	2,4-DB	209.2	0	118	ug/Kg	56				34	142	
	Dinoseb	209.2	0	15.9	ug/Kg	8	*			57	152	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2558 **Analytical Method:** 8151A

Client: Nobis Group **DataFile :** PS031227.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2558-01MSD (Column 1)**	**Client Sample ID:**		**OU4-TS-Denali-070925MS**								
	DICAMBA	208.8	0	120	ug/Kg	57		2		38	132	20
	Dalapon	208.8	0	79.5	ug/Kg	38	*	15		70	130	20
	DICHLORPROP	208.8	0	133	ug/Kg	64		0		28	155	20
	2,4-D	208.8	0	156	ug/Kg	75		1		28	144	20
	2,4,5-TP(Silvex)	208.8	0	136	ug/Kg	65		0		43	129	20
	2,4,5-T	208.8	0	141	ug/Kg	68		0		31	138	20
	2,4-DB	208.8	0	100	ug/Kg	48		2		34	142	20
	Dinoseb	208.8	0	16.1	ug/Kg	8	*	0		57	152	20
Lab Sample ID:	**Q2558-01MSD (Column 2)**	**Client Sample ID:**		**OU4-TS-Denali-070925MS**								
	DICAMBA	208.8	0	119	ug/Kg	57		0		38	132	20
	Dalapon	208.8	0	202	ug/Kg	97		1		70	130	20
	DICHLORPROP	208.8	0	130	ug/Kg	62		2		28	155	20
	2,4-D	208.8	0	136	ug/Kg	65		3		28	144	20
	2,4,5-TP(Silvex)	208.8	0	134	ug/Kg	64		5		43	129	20
	2,4,5-T	208.8	0	126	ug/Kg	60		0		31	138	20
	2,4-DB	208.8	0	117	ug/Kg	56		0		34	142	20
	Dinoseb	208.8	0	14.3	ug/Kg	7	*	13		57	152	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2558 **Analytical Method:** 8151A

Client: Nobis Group **Datafile :** PS031195.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168872BS (Column 1)	DICAMBA	166.6	167	ug/Kg	100				38	132	
	Dalapon	166.6	149	ug/Kg	89				70	130	
	DICHLORPROP	166.6	167	ug/Kg	100				28	155	
	2,4-D	166.6	234	ug/Kg	140				28	144	
	2,4,5-TP(Silvex)	166.6	174	ug/Kg	104				43	129	
	2,4,5-T	166.6	185	ug/Kg	111				31	138	
	2,4-DB	166.6	196	ug/Kg	118				34	142	
	Dinoseb	166.6	166	ug/Kg	100				57	152	
PB168872BS (Column 2)	DICAMBA	166.6	165	ug/Kg	99				38	132	
	Dalapon	166.6	154	ug/Kg	92				70	130	
	DICHLORPROP	166.6	163	ug/Kg	98				28	155	
	2,4-D	166.6	164	ug/Kg	98				28	144	
	2,4,5-TP(Silvex)	166.6	166	ug/Kg	100				43	129	
	2,4,5-T	166.6	167	ug/Kg	100				31	138	
	2,4-DB	166.6	166	ug/Kg	100				34	142	
	Dinoseb	166.6	158	ug/Kg	95				57	152	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168872BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2558

Lab Sample ID: PB168872BL | Lab File ID: PS031101.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/16/2025

Date Analyzed (1): 07/17/2025 | Date Analyzed (2): 07/17/2025

Time Analyzed (1): 17:28 | Time Analyzed (2): 17:28

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
OU4-TS-Denali-070925	Q2558-01	PS031090.D	07/17/2025	07/17/2025
OU4-TS-Grillo-OG-070925	Q2558-03	PS031105.D	07/17/2025	07/17/2025
PB168872BS	PB168872BS	PS031195.D	07/23/2025	07/23/2025
OU4-TS-Denali-070925MS	Q2558-01MS	PS031226.D	07/24/2025	07/24/2025
OU4-TS-Denali-070925MSD	Q2558-01MSD	PS031227.D	07/24/2025	07/24/2025

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Denali-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	79.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031090.D	1	07/16/25 08:25	07/17/25 12:10	PB168872

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.041	U	0.0097	0.041	0.084	mg/Kg
75-99-0	DALAPON	0.063	UM	0.022	0.063	0.084	mg/Kg
120-36-5	DICHLORPROP	0.041	U	0.016	0.041	0.084	mg/Kg
94-75-7	2,4-D	0.041	U	0.011	0.041	0.084	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.041	U	0.011	0.041	0.084	mg/Kg
93-76-5	2,4,5-T	0.041	U	0.011	0.041	0.084	mg/Kg
94-82-6	2,4-DB	0.041	U	0.030	0.041	0.084	mg/Kg
88-85-7	DINOSEB	0.041	UM	0.014	0.041	0.084	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	334		27 - 122		67%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 12:10
Operator : AR\AJ
Sample : Q2558-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 13:37:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.330	7.764	1115.7E6	346.3E6	282.105	334.285m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 12:10
Operator : AR\AJ
Sample : Q2558-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

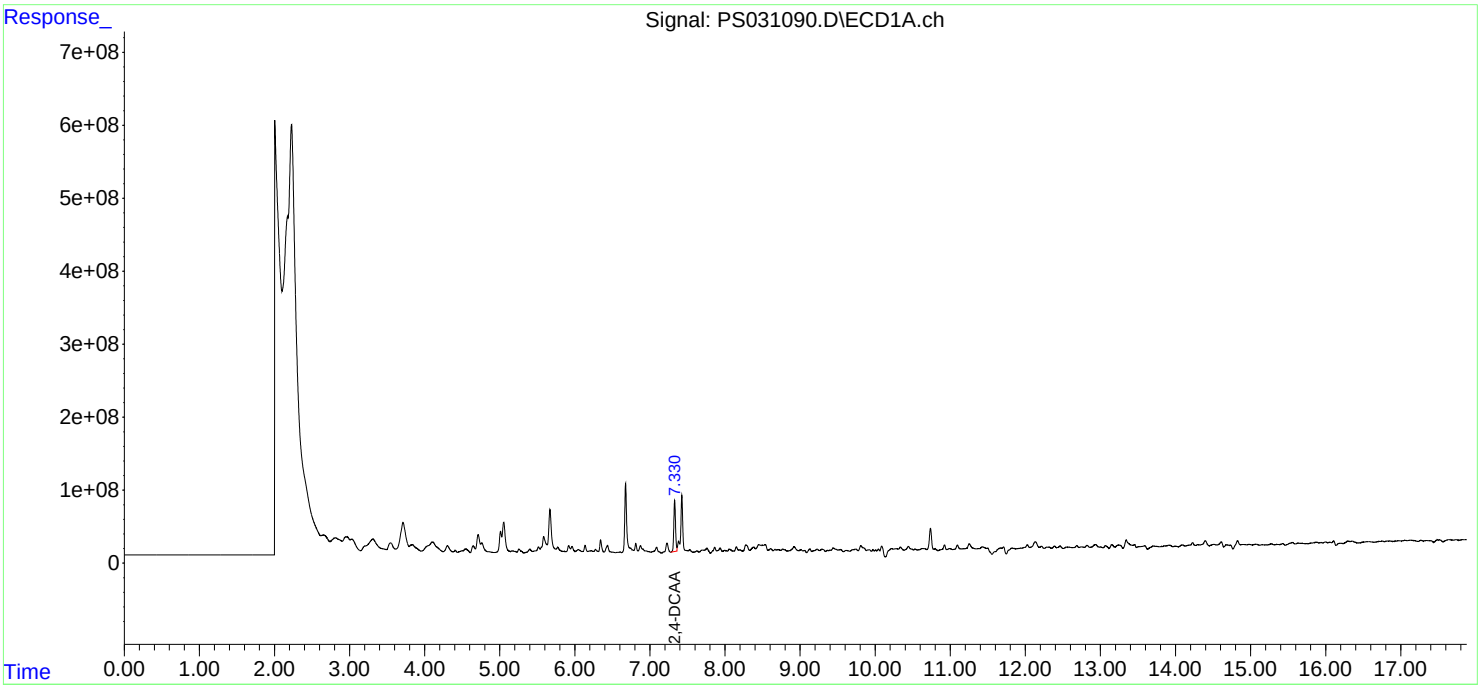
Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925

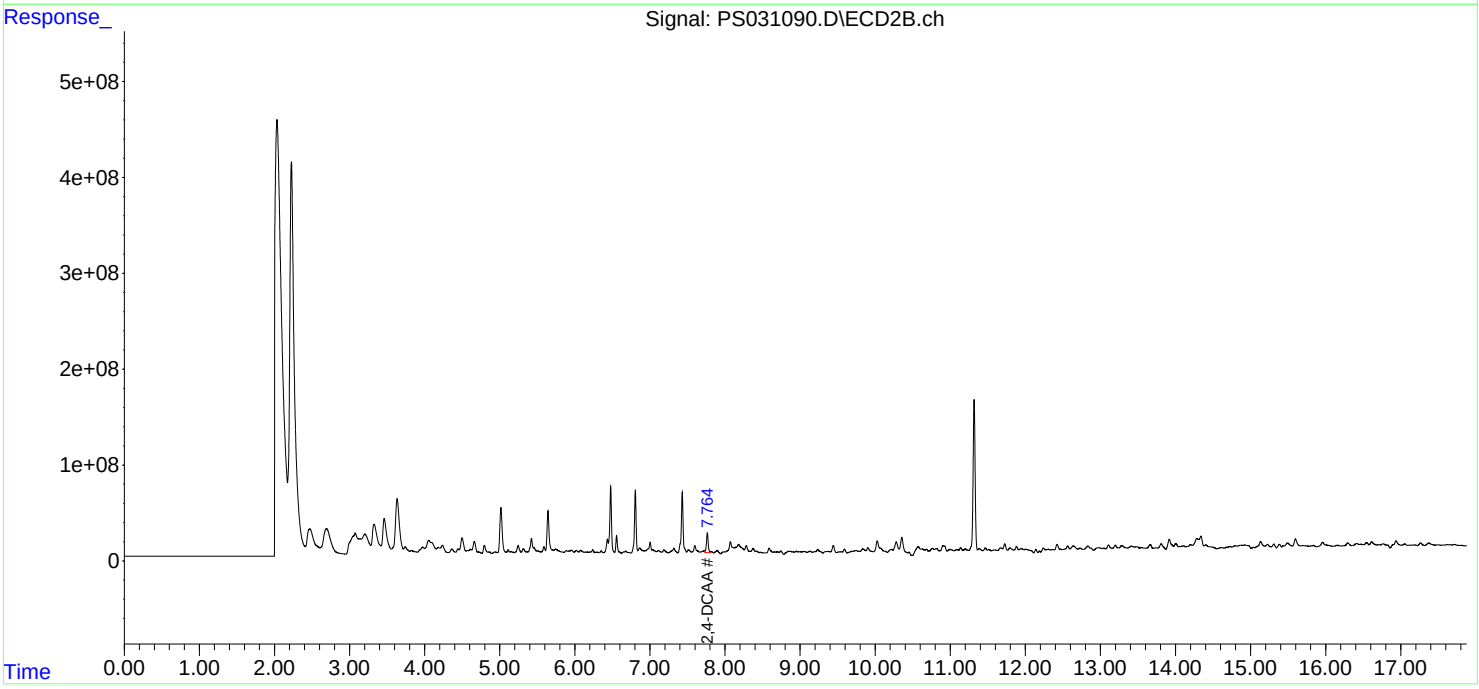
Manual Integrations APPROVED

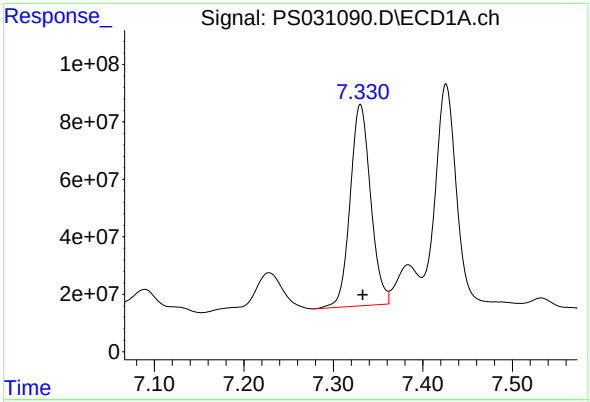
Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 13:37:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







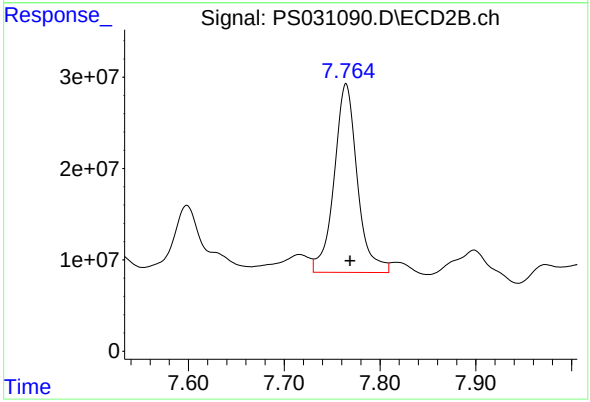
#4 2,4-DCAA

R.T.: 7.330 min
Delta R.T.: -0.003 min
Response: 1115744942
Conc: 282.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.005 min
Response: 346329664
Conc: 334.28 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Grillo-OG-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	78.7 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
PS031105.D	1	07/16/25 08:25	07/17/25 19:13	PB168872

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.042	U	0.0098	0.042	0.085	mg/Kg
75-99-0	DALAPON	0.064	U	0.022	0.064	0.085	mg/Kg
120-36-5	DICHLORPROP	0.042	U	0.016	0.042	0.085	mg/Kg
94-75-7	2,4-D	0.042	U	0.012	0.042	0.085	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.042	U	0.012	0.042	0.085	mg/Kg
93-76-5	2,4,5-T	0.042	U	0.011	0.042	0.085	mg/Kg
94-82-6	2,4-DB	0.042	U	0.031	0.042	0.085	mg/Kg
88-85-7	DINOSEB	0.042	U	0.014	0.042	0.085	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	393		27 - 122		79%	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\PS071725\
Data File : PS031105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 19:13
Operator : AR\AJ
Sample : Q2558-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Grillo-OG-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 19:29:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.330	7.765	1365.4E6	406.7E6	345.223	392.534
	Target Compounds						

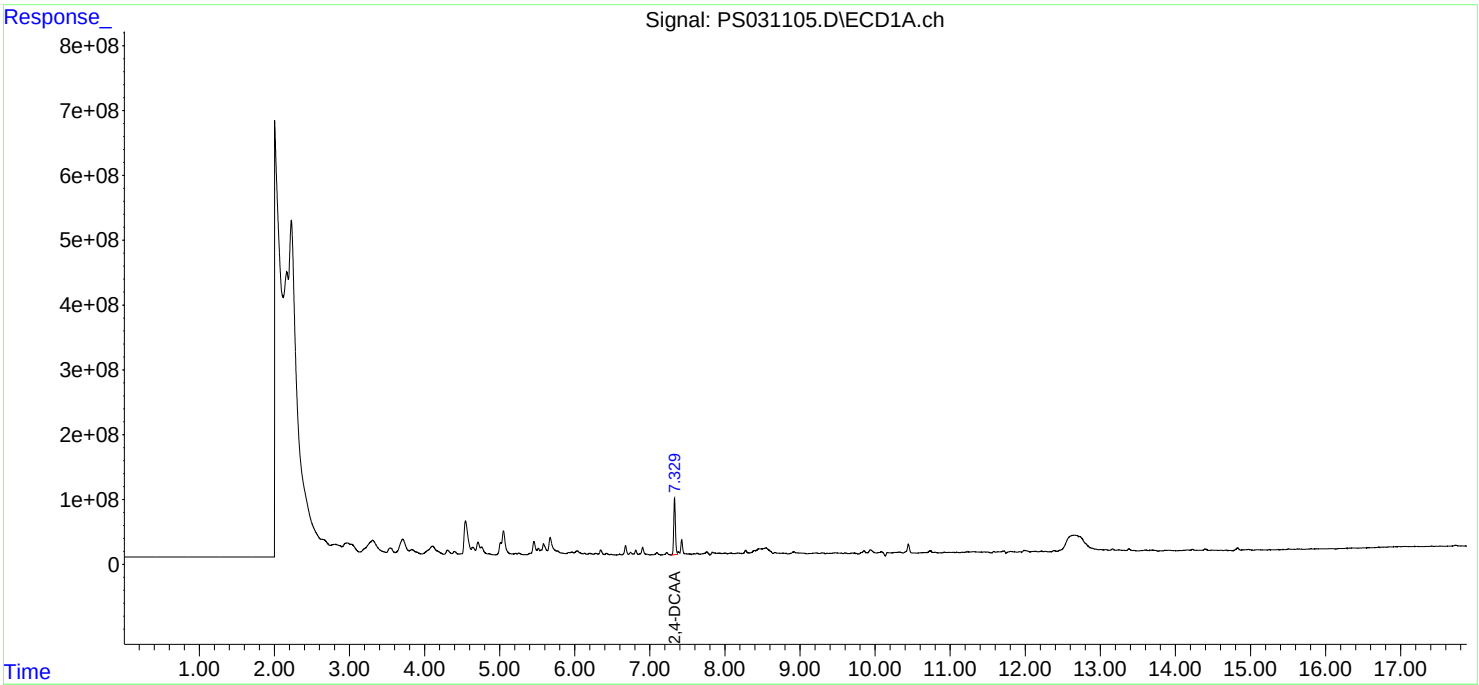
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

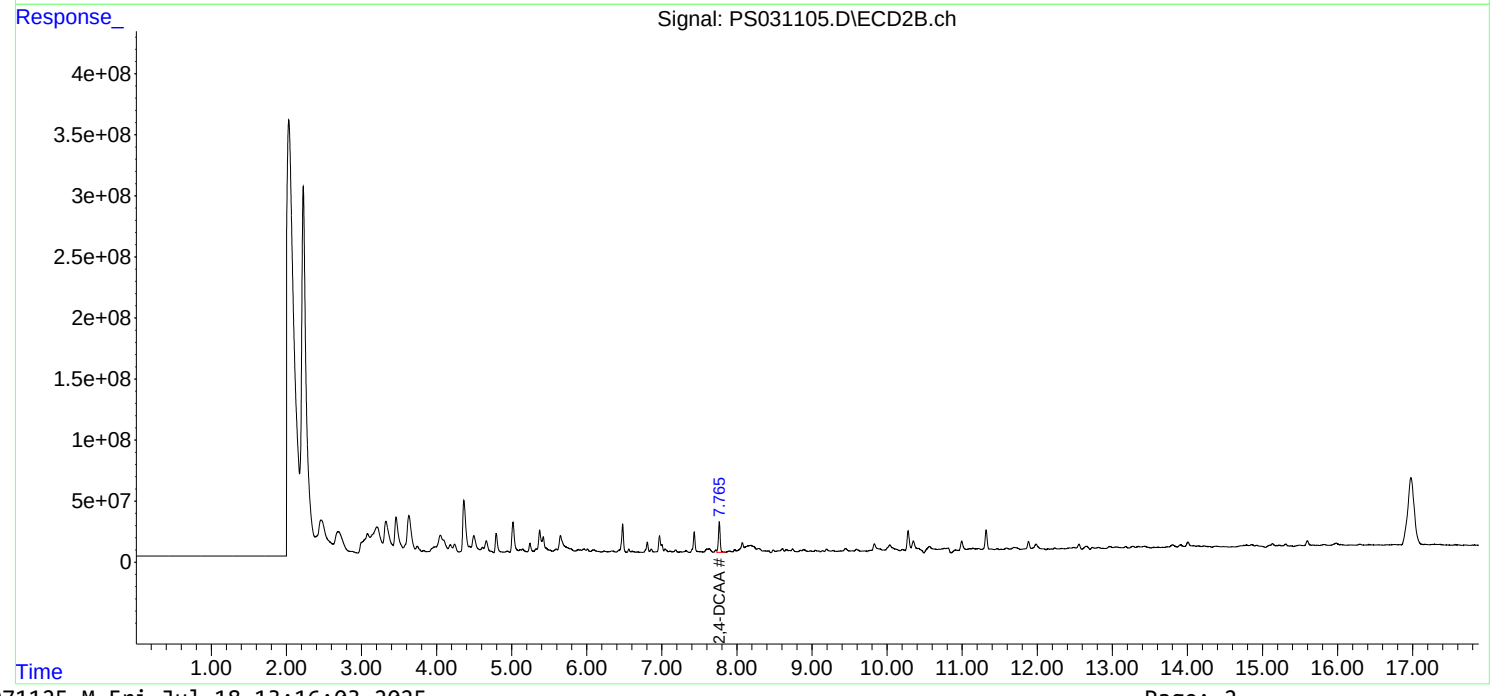
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 19:13
Operator : AR\AJ
Sample : Q2558-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

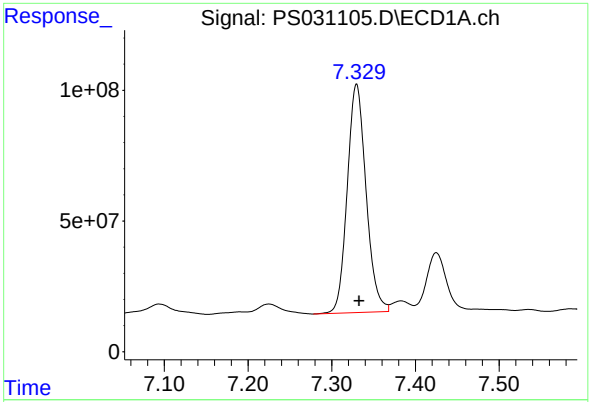
Instrument :
ECD_S
ClientSampleId :
OU4-TS-Grillo-OG-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 19:29:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



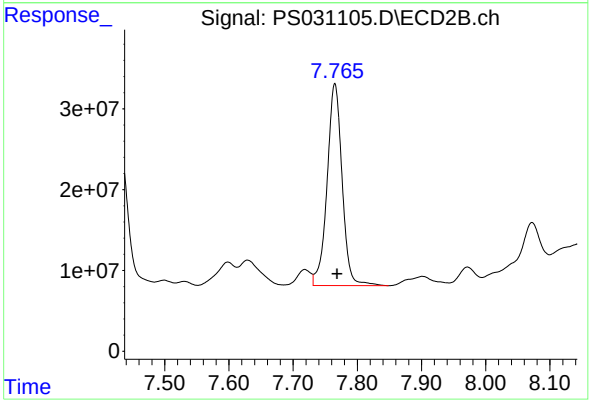




#4 2,4-DCAA

R.T.: 7.330 min
Delta R.T.: -0.003 min
Response: 1365383587
Conc: 345.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Grillo-OG-070925



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.004 min
Response: 406677563
Conc: 392.53 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

Instrument ID: ECD_S **Calibration Date(s):** 07/11/2025 07/11/2025

Calibration Times: 16:00 17:36

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

LAB FILE ID: RT 200 = PS031006.D RT 500 = PS031007.D

RT 750 = PS031008.D RT 1000 = PS031009.D RT 1500 = PS031010.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.65	9.65	9.65	9.65	9.65	9.65	9.55	9.75
2,4,5-TP(Silvex)	9.35	9.35	9.35	9.35	9.35	9.35	9.25	9.45
2,4-D	8.47	8.47	8.47	8.47	8.47	8.47	8.37	8.57
2,4-DB	10.23	10.23	10.23	10.22	10.22	10.22	10.12	10.32
2,4-DCAA	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
Dalapon	2.70	2.70	2.70	2.70	2.70	2.70	2.60	2.80
DICAMBA	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
DICHLORPROP	8.23	8.23	8.24	8.23	8.23	8.23	8.13	8.33
Dinoseb	11.44	11.44	11.44	11.44	11.44	11.44	11.34	11.54

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

Instrument ID: ECD_S **Calibration Date(s):** 07/11/2025 07/11/2025

Calibration Times: 16:00 17:36

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

LAB FILE ID: RT 200 = PS031006.D RT 500 = PS031007.D

RT 750 = PS031008.D RT 1000 = PS031009.D RT 1500 = PS031010.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	9.03	9.03	9.03	9.03	8.93	9.13
2,4-DB	10.93	10.93	10.93	10.93	10.93	10.93	10.83	11.03
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Dalapon	2.71	2.71	2.71	2.71	2.71	2.71	2.61	2.81
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

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.: Q2558
Calibration Date(s): 07/11/2025 07/11/2025
Calibration Times: 16:00 17:36

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

LAB FILE ID: CF 200 = PS031006.D CF 500 = PS031007.D
CF 750 = PS031008.D CF 1000 = PS031009.D CF 1500 = PS031010.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16153700000	14634600000	14827200000	15218900000	15232300000	15213300000	4
2,4,5-TP(Silvex)	20737500000	18270800000	18189000000	18194100000	17662300000	18610700000	7
2,4-D	3556670000	2984170000	2931980000	2976850000	2942510000	3078440000	9
2,4-DB	2297930000	2042050000	2088340000	2166500000	2259130000	2170790000	5
2,4-DCAA	4821770000	3910250000	3755950000	3730170000	3557220000	3955070000	13
Dalapon	7468060000	5957260000	5787990000	5760680000	5484640000	6091720000	13
DICAMBA	18746100000	15451800000	15023600000	14973000000	14260000000	15690900000	11
DICHLORPROP	4147310000	3328120000	3223340000	3219630000	3107370000	3405150000	12
Dinoseb	14412500000	12754600000	12827100000	13048300000	12877100000	13183900000	5

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.: Q2558
Calibration Date(s): 07/11/2025 07/11/2025
Calibration Times: 16:00 17:36

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

LAB FILE ID: CF 200 = PS031006.D CF 500 = PS031007.D
CF 750 = PS031008.D CF 1000 = PS031009.D CF 1500 = PS031010.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16269400000	13765000000	13530200000	13537000000	12857400000	13991800000	9
2,4,5-TP(Silvex)	17216300000	14510800000	14174600000	14131100000	13346200000	14675800000	10
2,4-D	2058060000	1665160000	1617550000	1610710000	1545850000	1699460000	12
2,4-DB	1412490000	1151430000	1126050000	1131610000	1094330000	1183180000	11
2,4-DCAA	1258080000	1011280000	984071000	981302000	945431000	1036030000	12
Dalapon	3390690000	2798120000	2711180000	2715120000	2599190000	2842860000	11
DICAMBA	7306630000	6285710000	6261030000	6359950000	6168790000	6476420000	7
DICHLORPROP	1860680000	1491170000	1445400000	1431140000	1367910000	1519260000	13
Dinoseb	13202400000	11075600000	10918600000	11003800000	10557100000	11351500000	9

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:00
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.332	7.769	964.4E6	251.6E6	256.754m	255.689
		Target Compounds						
1)	T	Dalapon	2.699	2.707	1359.2E6	617.1E6	234.829	227.615
2)	T	3,5-DICHL...	6.494	6.716	1194.0E6	350.5E6	239.542	238.175
3)	T	4-Nitroph...	7.134	7.304	287.7E6	359.3E6	223.294	214.127
5)	T	DICAMBA	7.522	7.970	3524.3E6	1373.6E6	234.582	219.396
6)	T	MCPP	7.700	8.065	153.7E6	38941915	16.629	18.218
7)	T	MCPA	7.850	8.313	193.7E6	62375962	18.027	19.647
8)	T	DICHLORPROP	8.234	8.691	779.7E6	349.8E6	241.890	242.016
9)	T	2,4-D	8.468	9.028	668.7E6	386.9E6	228.056	239.199
10)	T	Pentachlo...	8.773	9.550	12014.7E6	8612.5E6	235.540	226.008
11)	T	2,4,5-TP ...	9.353	9.932	3940.1E6	3271.1E6	216.622	230.772
12)	T	2,4,5-T	9.649	10.359	3069.2E6	3091.2E6	206.998	228.467
13)	T	2,4-DB	10.228	10.928	436.6E6	268.4E6	209.069	238.332
14)	T	DINOSEB	11.441	11.310	2709.5E6	2482.1E6	211.237	227.323
15)	T	Picloram	11.264	12.425	2682.2E6	4609.1E6	187.392	197.690
16)	T	DCPA	11.736	12.355	5033.6E6	4982.0E6	215.340	227.114

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:00
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

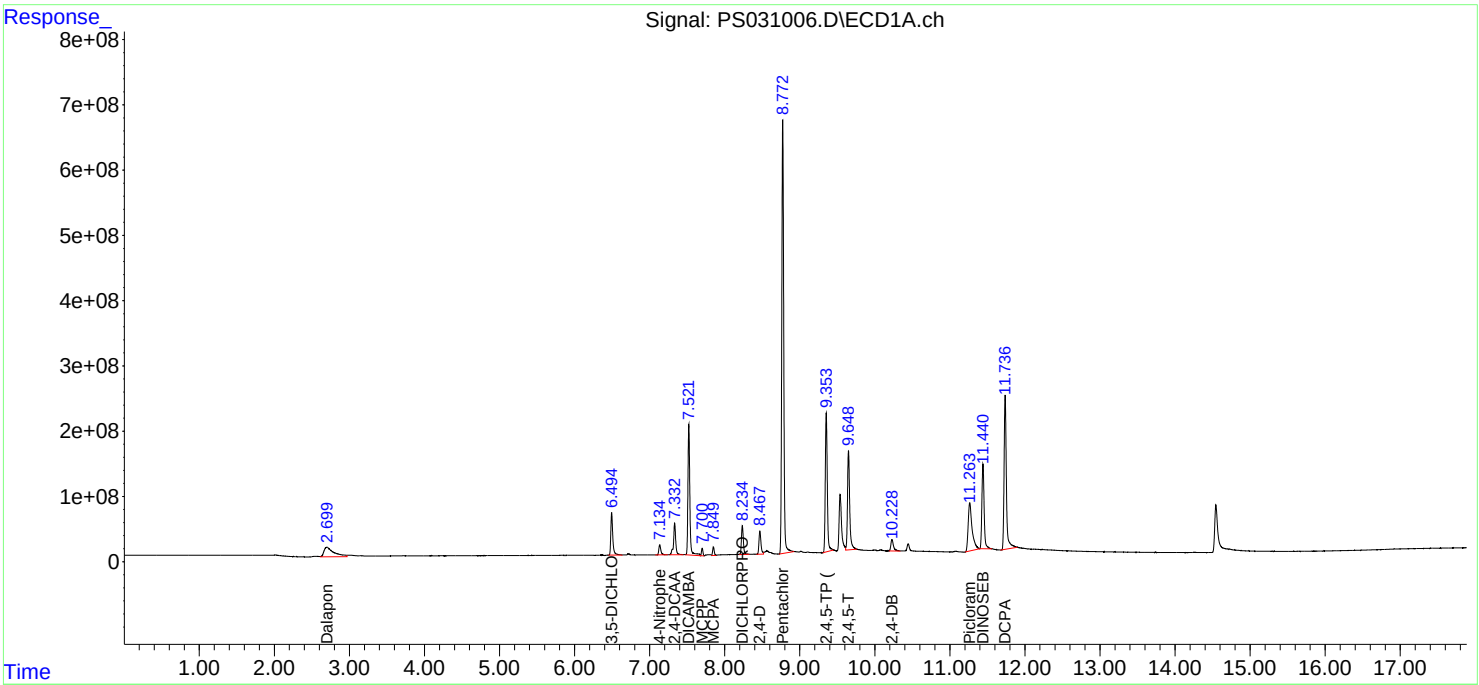
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

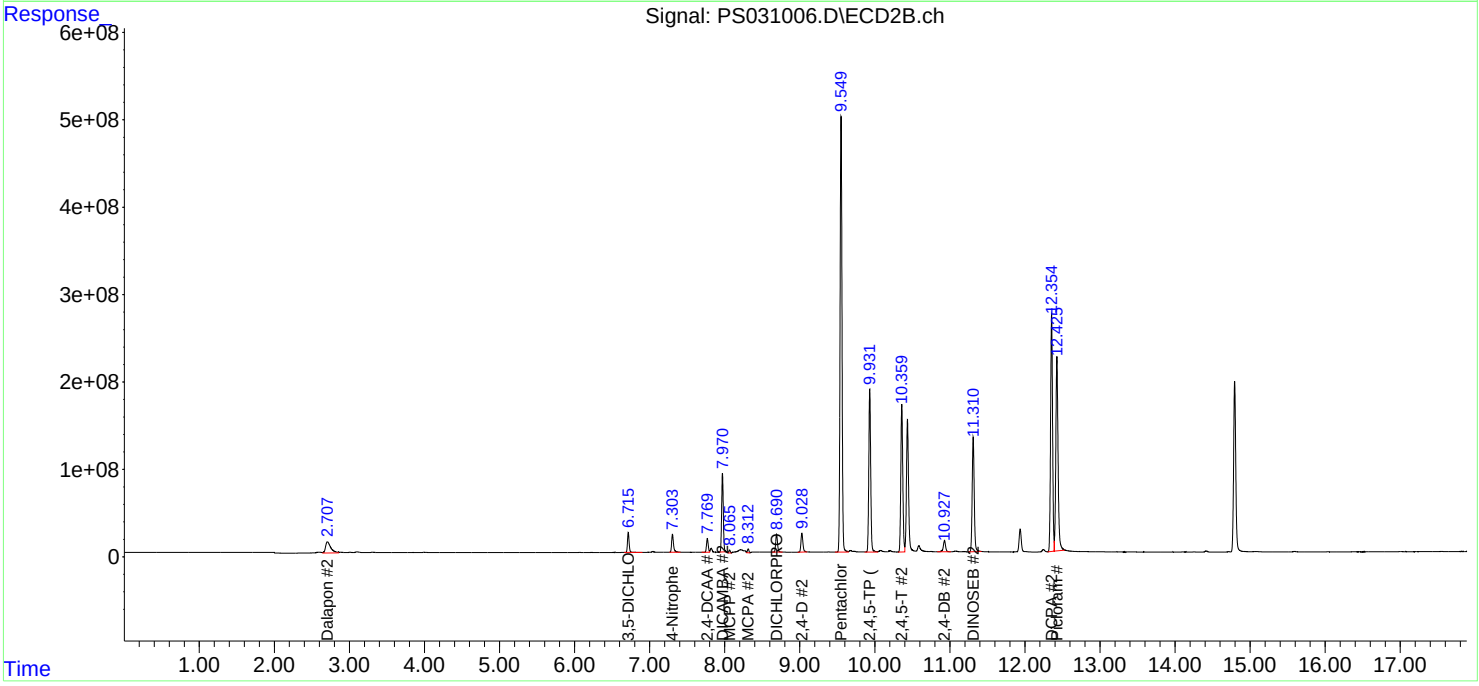
Manual Integrations APPROVED

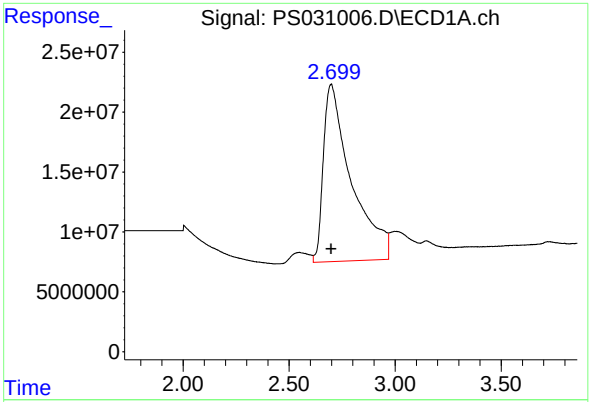
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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







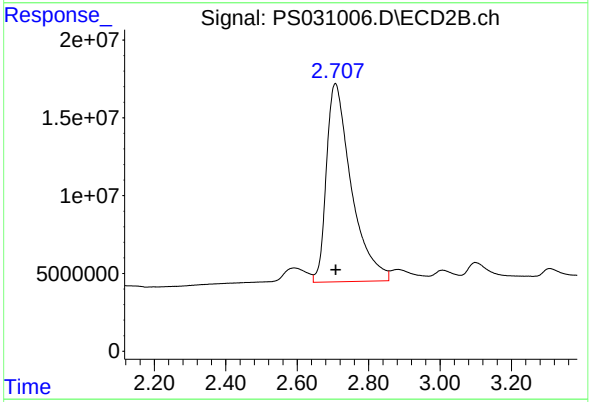
#1 Dalapon

R.T.: 2.699 min
Delta R.T.: 0.001 min
Response: 1359186439
Conc: 234.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

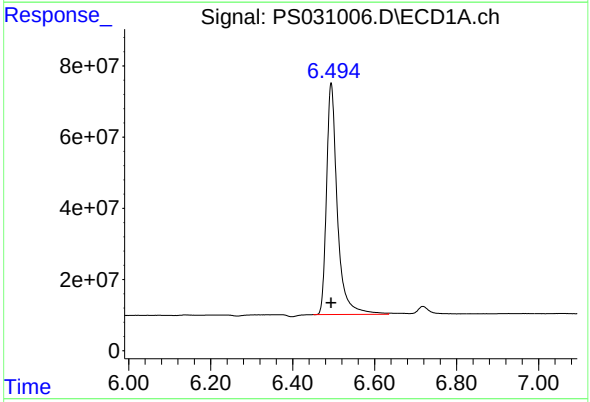
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



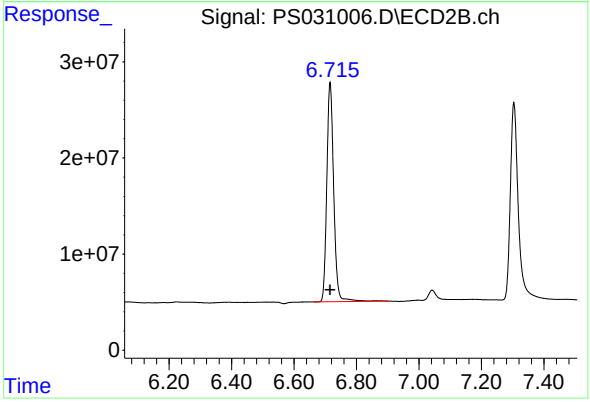
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: -0.001 min
Response: 617105162
Conc: 227.61 ng/ml



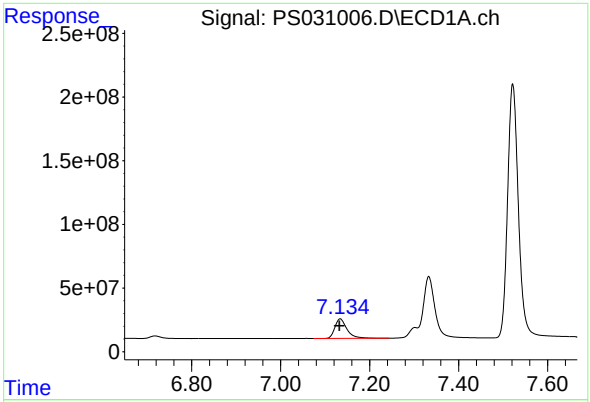
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 1193971988
Conc: 239.54 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 350541032
Conc: 238.18 ng/ml



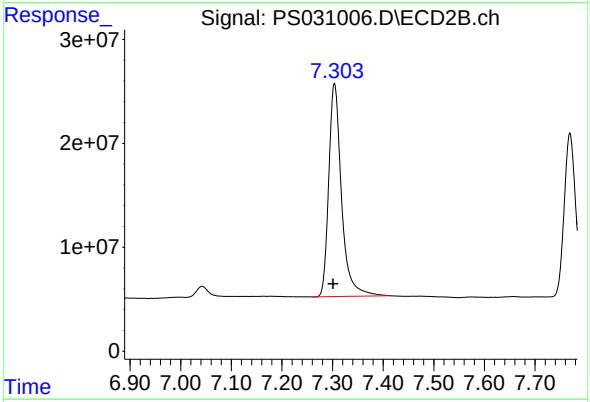
#3 4-Nitrophenol

R.T.: 7.134 min
Delta R.T.: 0.002 min
Response: 287711185
Conc: 223.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

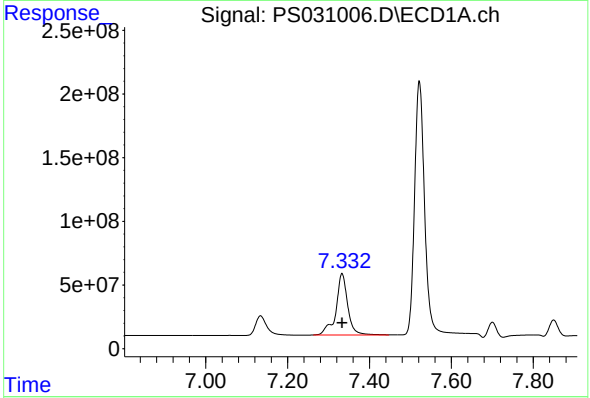
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



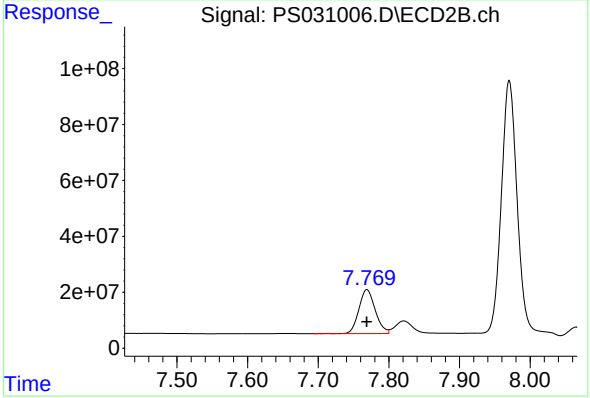
#3 4-Nitrophenol

R.T.: 7.304 min
Delta R.T.: 0.003 min
Response: 359307351
Conc: 214.13 ng/ml



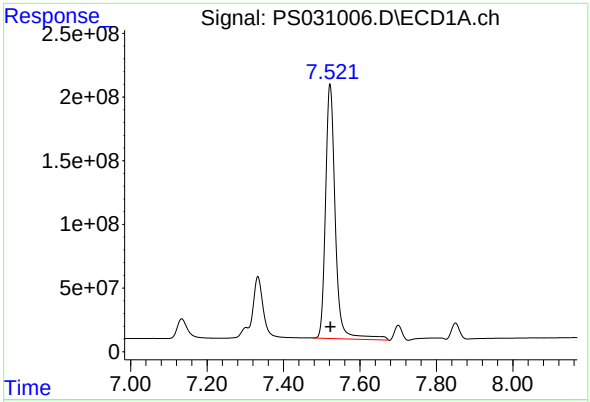
#4 2,4-DCAA

R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 964354651
Conc: 256.75 ng/ml m



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 251615771
Conc: 255.69 ng/ml



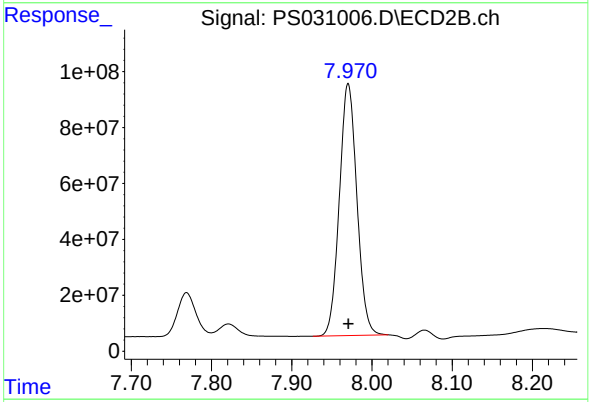
#5 DICAMBA

R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 3524272011
Conc: 234.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

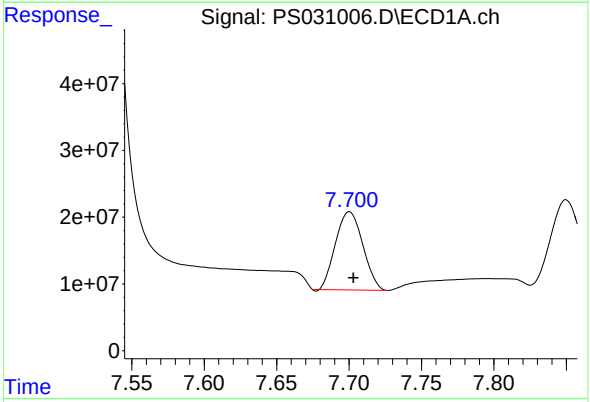
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



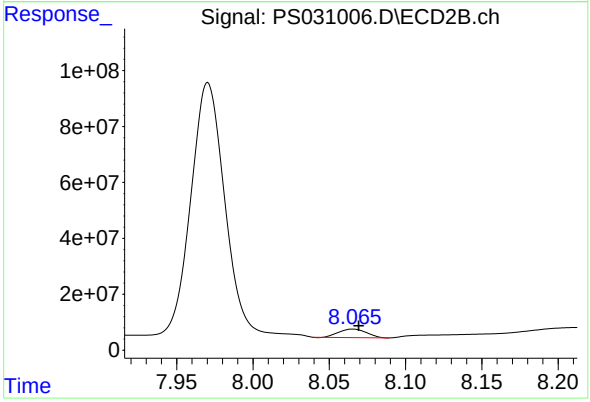
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 1373645814
Conc: 219.40 ng/ml



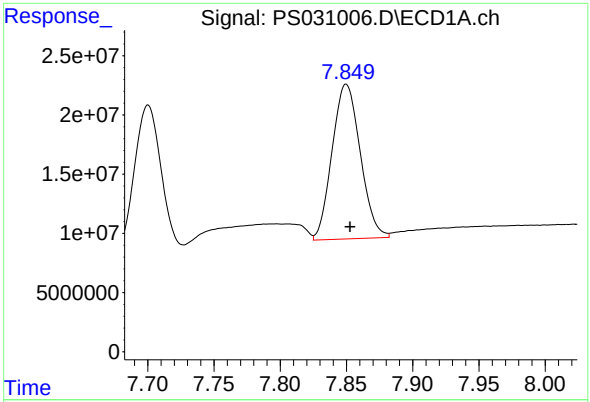
#6 MCPP

R.T.: 7.700 min
Delta R.T.: -0.003 min
Response: 153699251
Conc: 16.63 ug/ml



#6 MCPP

R.T.: 8.065 min
Delta R.T.: -0.004 min
Response: 38941915
Conc: 18.22 ug/ml



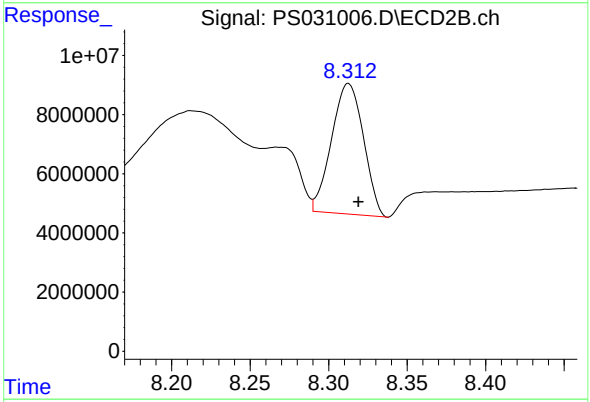
#7 MCPA

R.T.: 7.850 min
Delta R.T.: -0.003 min
Response: 193732588
Conc: 18.03 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

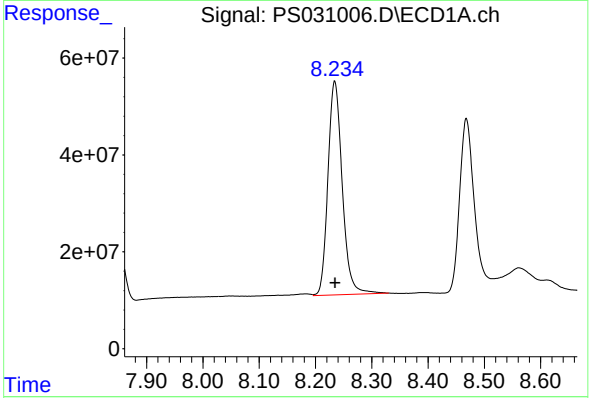
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



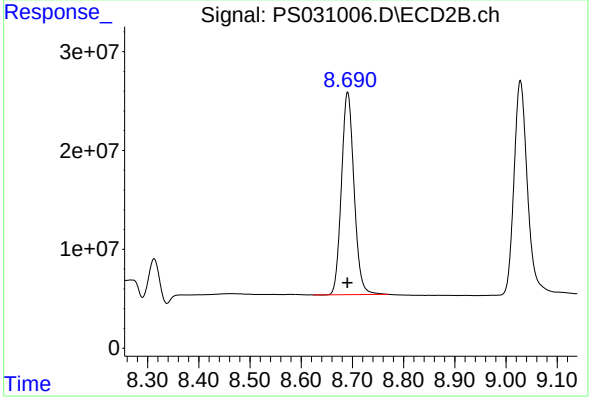
#7 MCPA

R.T.: 8.313 min
Delta R.T.: -0.006 min
Response: 62375962
Conc: 19.65 ug/ml



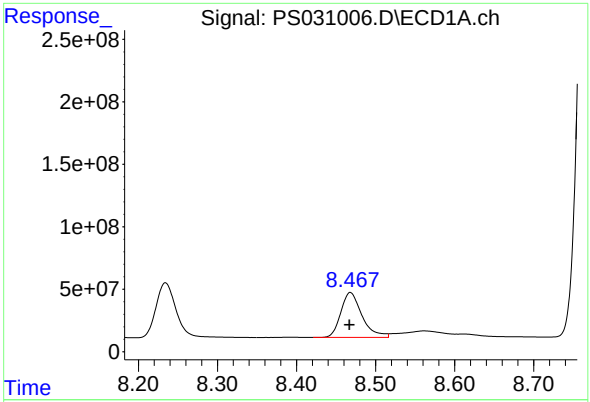
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 779694303
Conc: 241.89 ng/ml



#8 DICHLORPROP

R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 349808770
Conc: 242.02 ng/ml



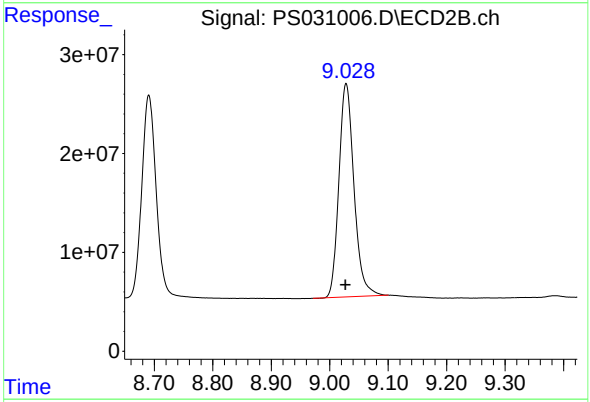
#9 2,4-D

R.T.: 8.468 min
Delta R.T.: 0.001 min
Response: 668654376
Conc: 228.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

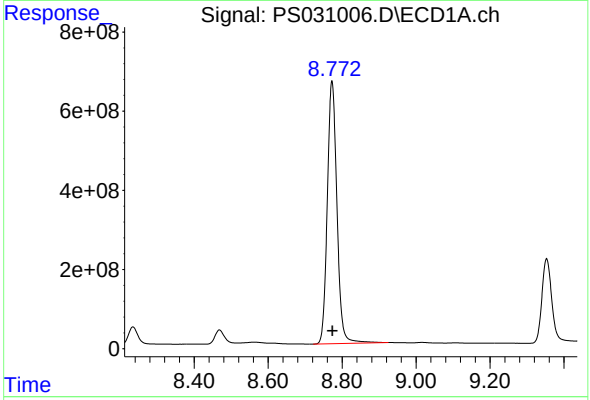
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



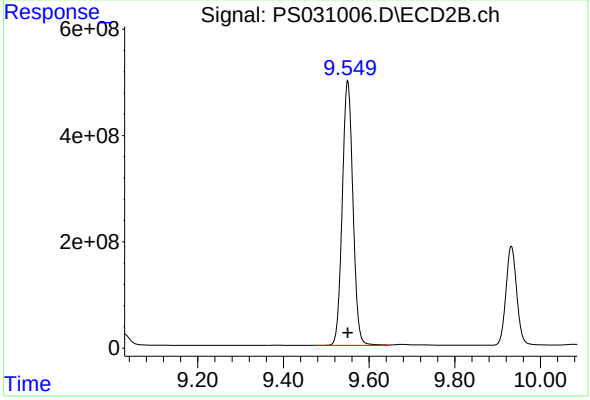
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: 0.001 min
Response: 386915116
Conc: 239.20 ng/ml



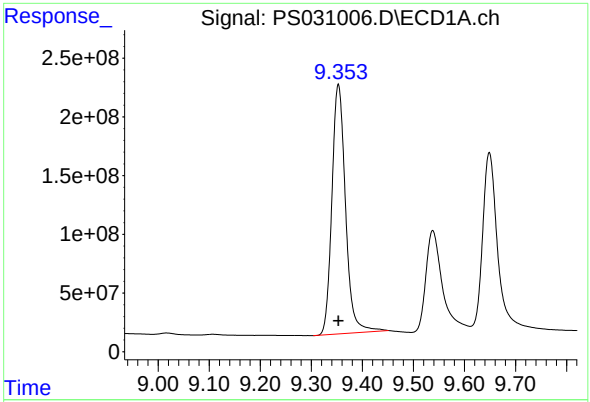
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 12014689664
Conc: 235.54 ng/ml



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 8612460446
Conc: 226.01 ng/ml



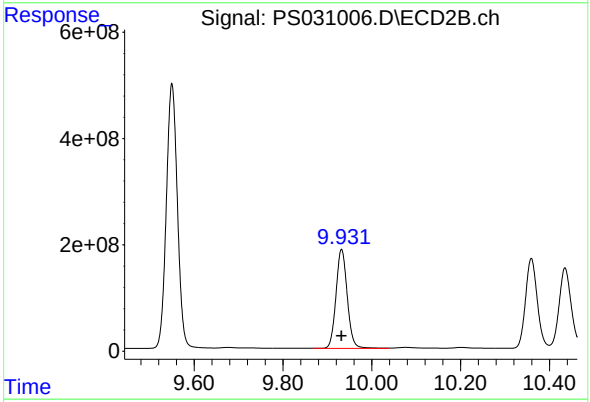
#11 2,4,5-TP (SILVEX)

R.T.: 9.353 min
Delta R.T.: 0.000 min
Response: 3940122747
Conc: 216.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

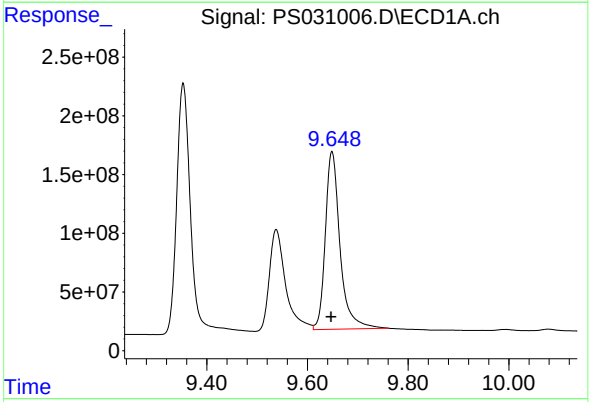
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



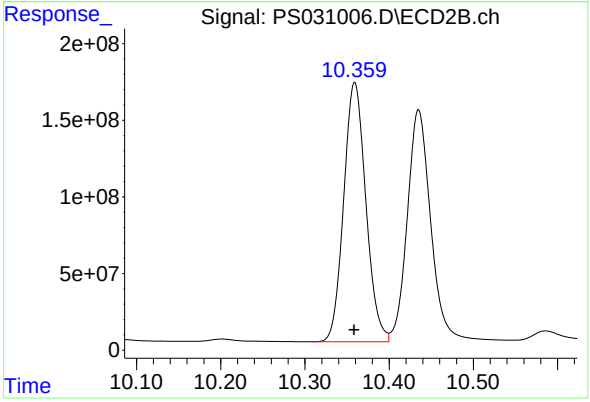
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 3271094233
Conc: 230.77 ng/ml



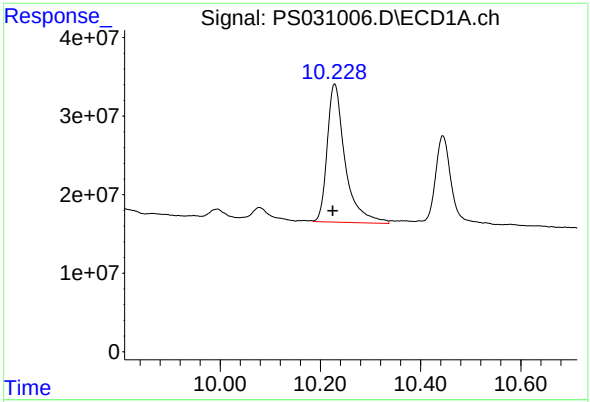
#12 2,4,5-T

R.T.: 9.649 min
Delta R.T.: 0.002 min
Response: 3069196711
Conc: 207.00 ng/ml



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 3091192979
Conc: 228.47 ng/ml



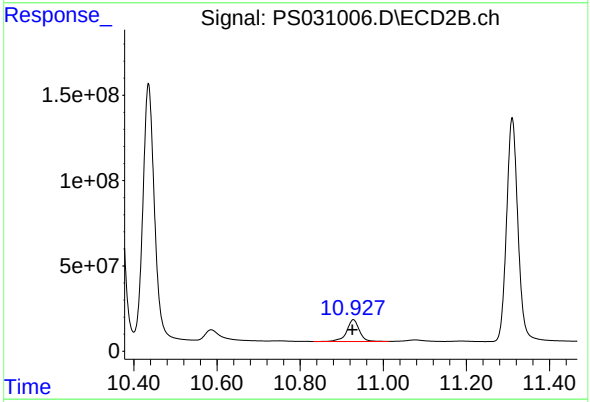
#13 2,4-DB

R.T.: 10.228 min
Delta R.T.: 0.003 min
Response: 436606607
Conc: 209.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

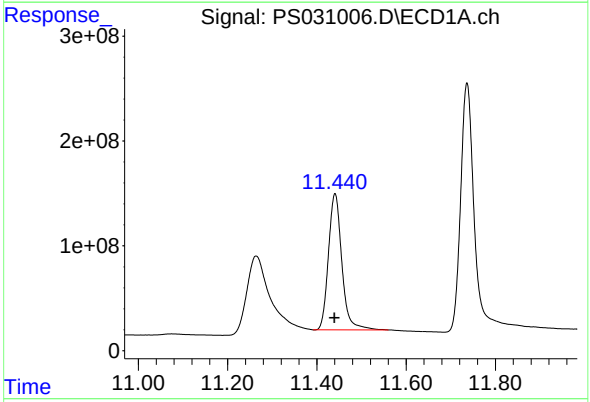
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



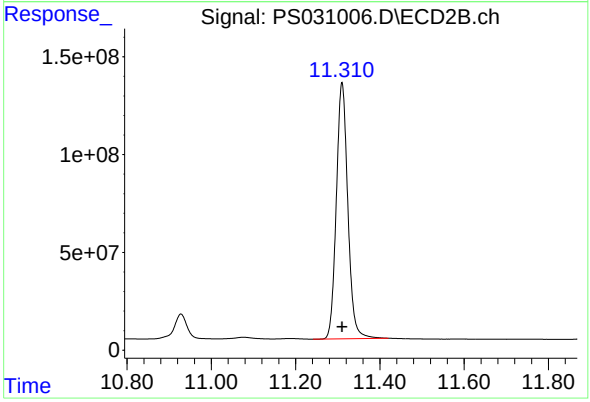
#13 2,4-DB

R.T.: 10.928 min
Delta R.T.: 0.002 min
Response: 268373751
Conc: 238.33 ng/ml



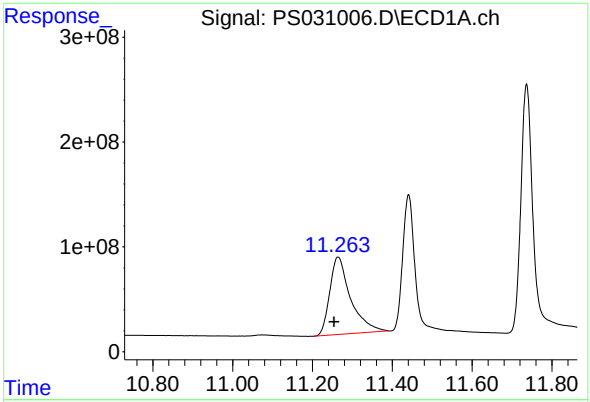
#14 DINOSEB

R.T.: 11.441 min
Delta R.T.: 0.002 min
Response: 2709546271
Conc: 211.24 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 2482059801
Conc: 227.32 ng/ml



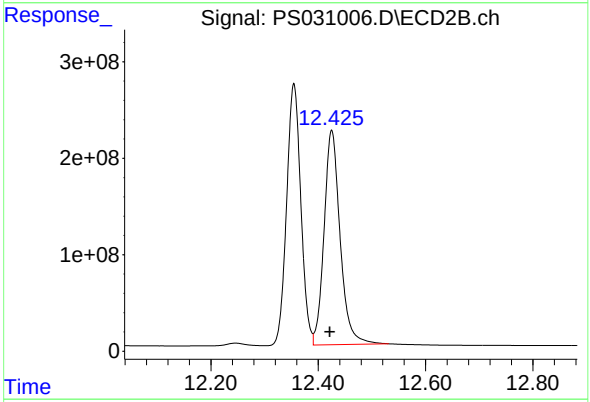
#15 Picloram

R.T.: 11.264 min
Delta R.T.: 0.010 min
Response: 2682223503
Conc: 187.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

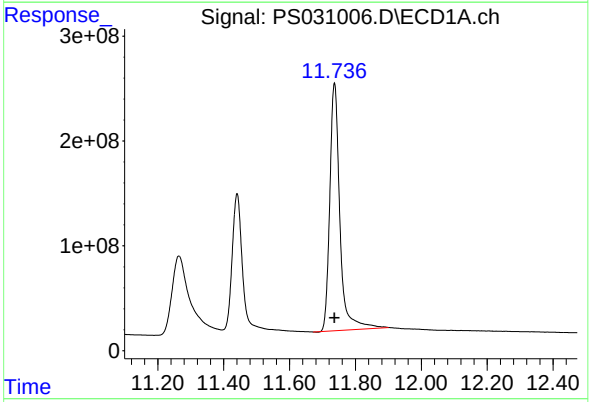
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



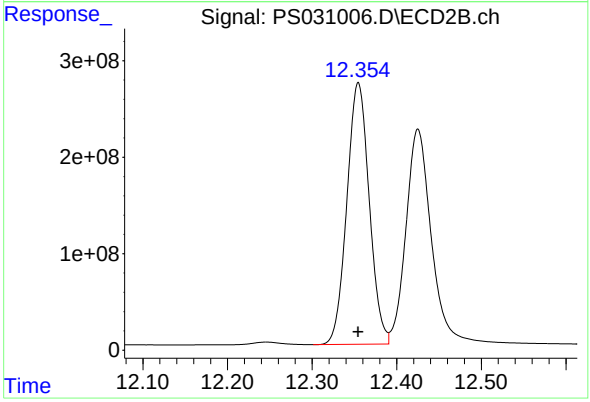
#15 Picloram

R.T.: 12.425 min
Delta R.T.: 0.004 min
Response: 4609145956
Conc: 197.69 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 5033620239
Conc: 215.34 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 4982016021
Conc: 227.11 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:24
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.333	7.769	1955.1E6	505.6E6	520.541m	513.825
	Target Compounds						
1) T	Dalapon	2.695	2.706	2710.6E6	1273.1E6	468.306	469.589
2) T	3,5-DICHL...	6.494	6.715	2408.8E6	699.2E6	483.265	475.046
3) T	4-Nitroph...	7.133	7.302	604.5E6	764.7E6	469.192	455.711
5) T	DICAMBA	7.522	7.971	7262.3E6	2954.3E6	483.393	471.852
6) T	MCPP	7.701	8.067	405.3E6	97457930	43.845	45.592
7) T	MCPA	7.851	8.316	473.4E6	143.2E6	44.051	45.117
8) T	DICHLORPROP	8.234	8.690	1564.2E6	700.8E6	485.278	484.884
9) T	2,4-D	8.467	9.028	1402.6E6	782.6E6	478.366	483.834
10) T	Pentachlo...	8.773	9.550	25005.5E6	18493.4E6	490.216	485.303
11) T	2,4,5-TP ...	9.352	9.931	8678.6E6	6892.6E6	477.136	486.265
12) T	2,4,5-T	9.647	10.359	6951.4E6	6538.4E6	468.828	483.243
13) T	2,4-DB	10.225	10.926	970.0E6	546.9E6	464.473	485.707
14) T	DINOSEB	11.438	11.310	5994.7E6	5205.5E6	467.344	476.757
15) T	Picloram	11.256	12.422	6552.3E6	10862.6E6	457.775	465.908
16) T	DCPA	11.736	12.354	11264.6E6	10701.1E6	481.906	487.830

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

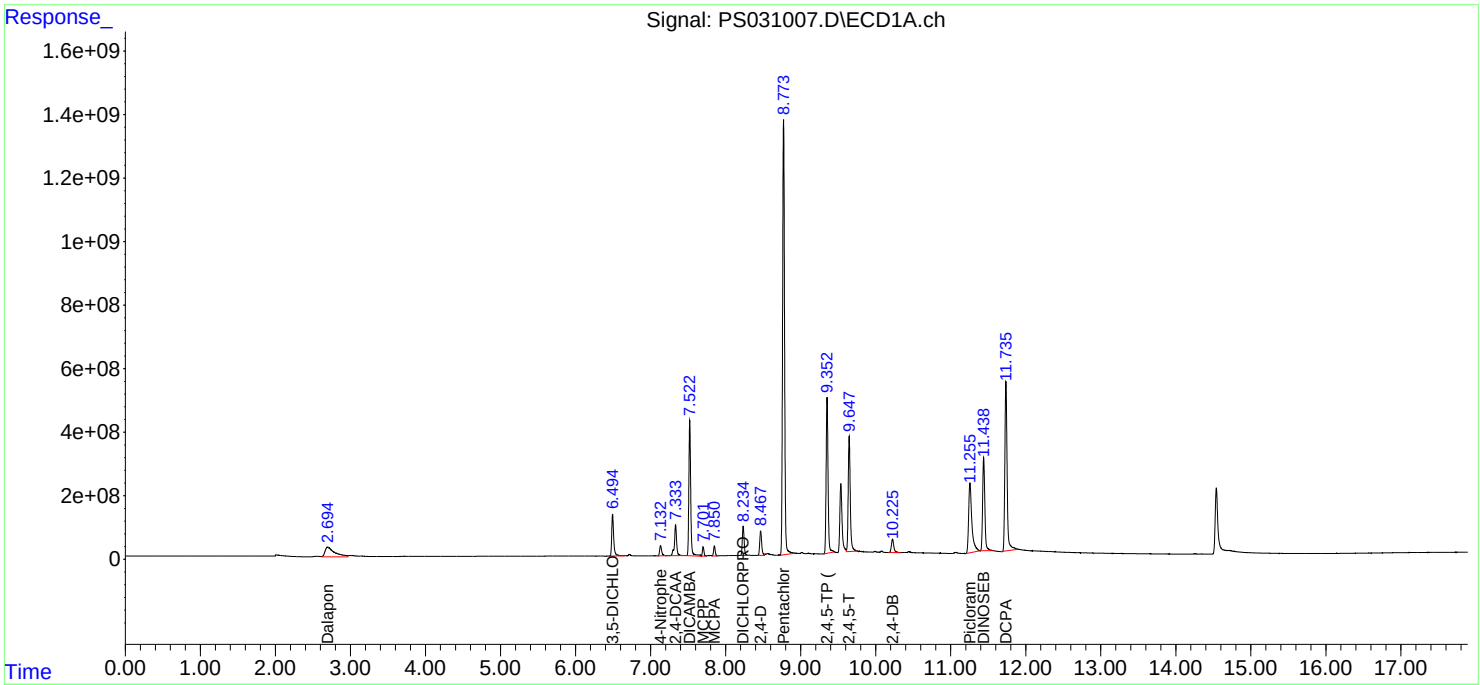
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:24
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

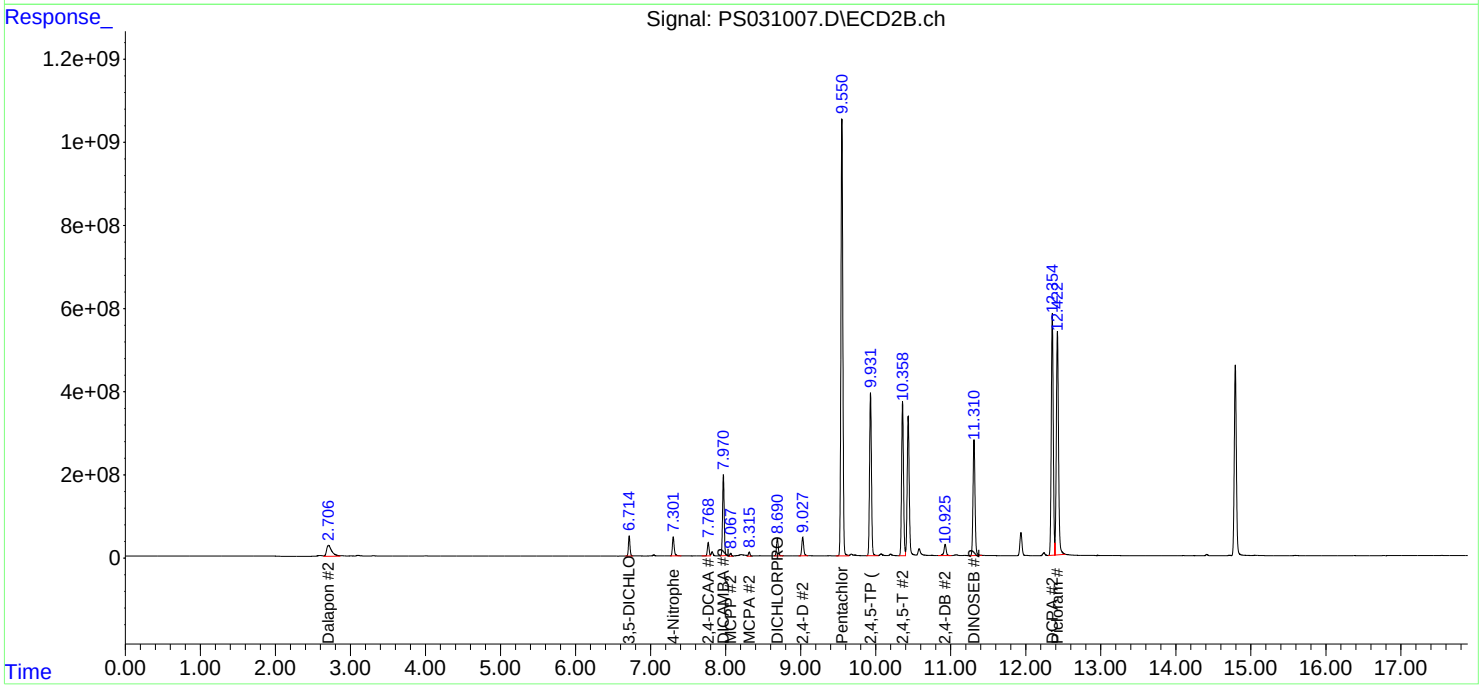
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

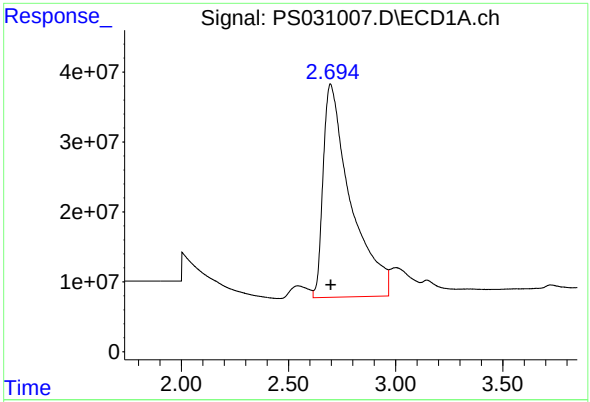
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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







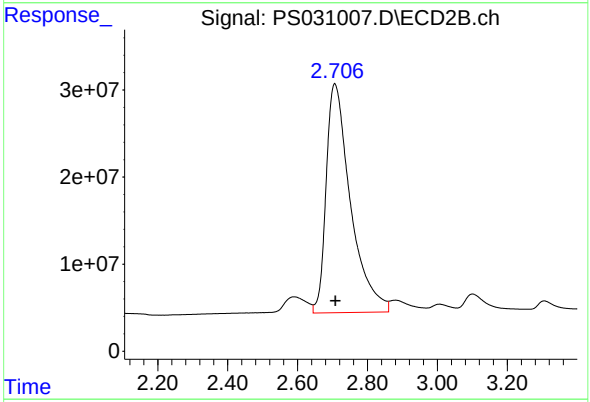
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: -0.003 min
Response: 2710551692
Conc: 468.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

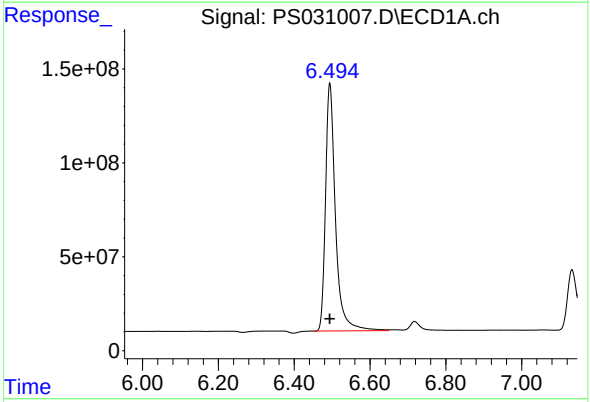
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



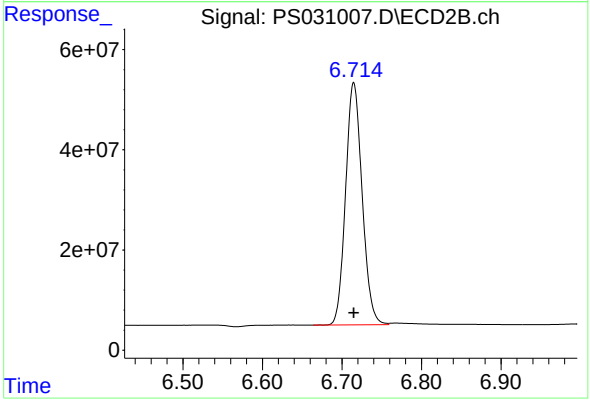
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: -0.002 min
Response: 1273143119
Conc: 469.59 ng/ml



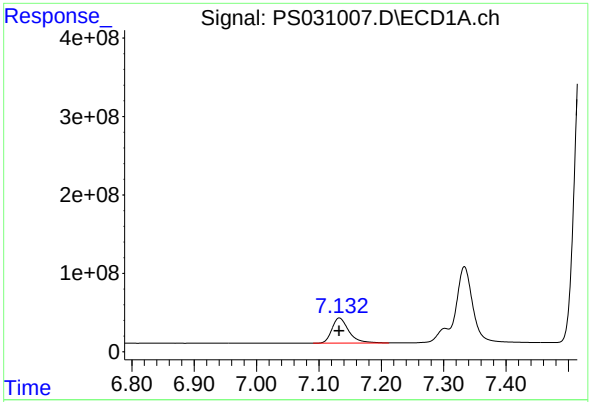
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 2408780023
Conc: 483.27 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 699162962
Conc: 475.05 ng/ml



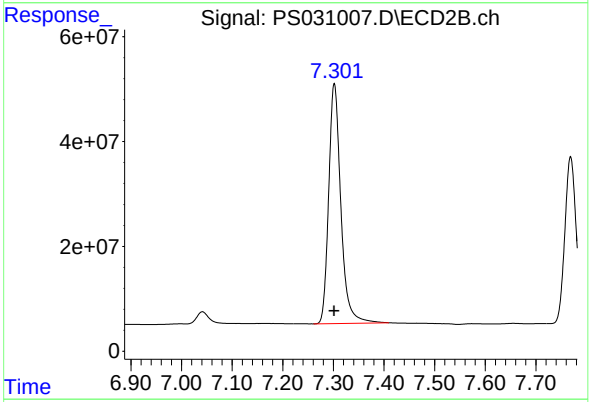
#3 4-Nitrophenol

R.T.: 7.133 min
Delta R.T.: 0.000 min
Response: 604547873
Conc: 469.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

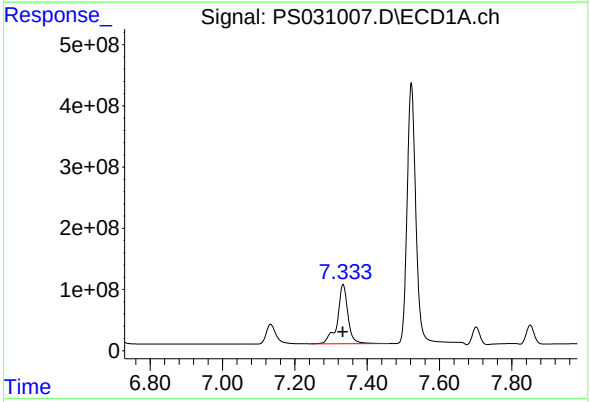
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



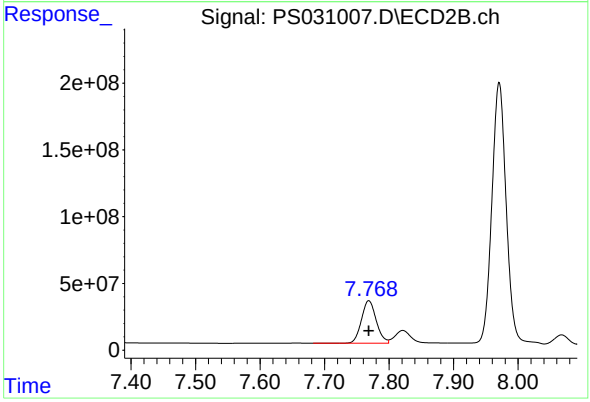
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.000 min
Response: 764689174
Conc: 455.71 ng/ml



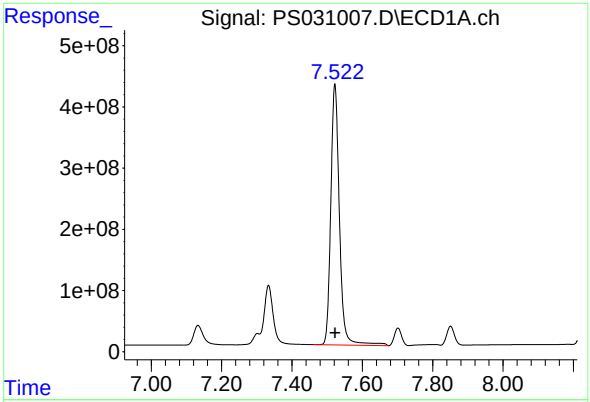
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 1955127320
Conc: 520.54 ng/ml m



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 505640178
Conc: 513.82 ng/ml



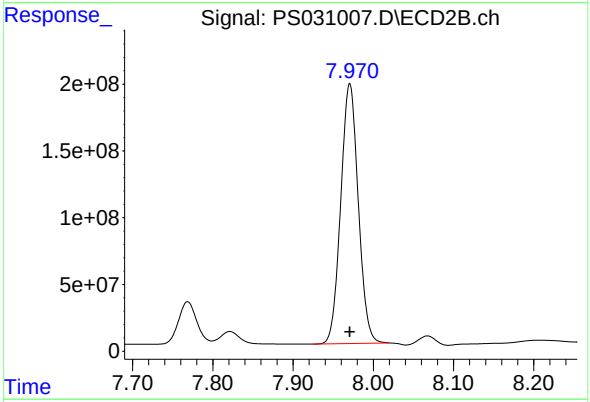
#5 DICAMBA

R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 7262329980
Conc: 483.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

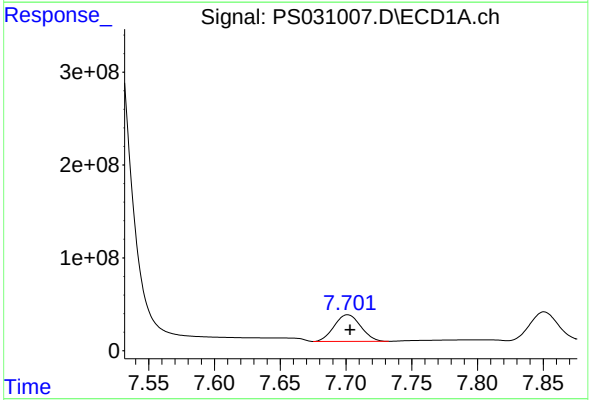
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



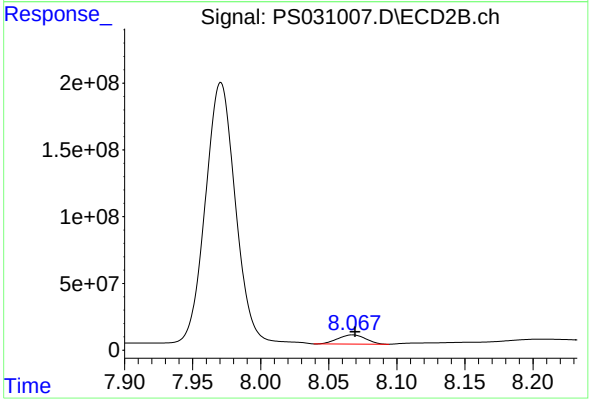
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 2954281766
Conc: 471.85 ng/ml



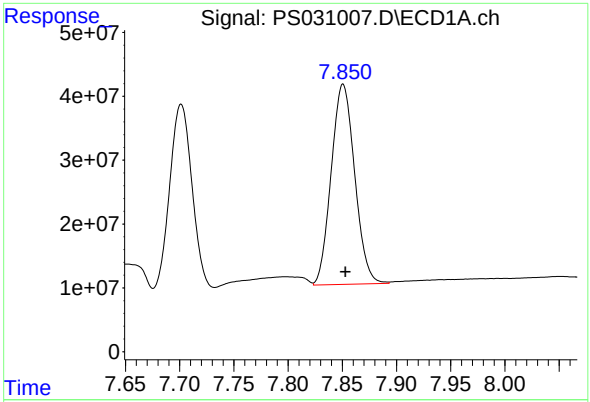
#6 MCPP

R.T.: 7.701 min
Delta R.T.: -0.002 min
Response: 405254028
Conc: 43.85 ug/ml



#6 MCPP

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 97457930
Conc: 45.59 ug/ml



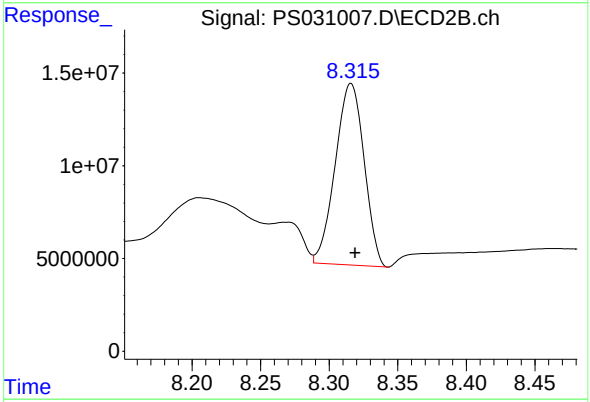
#7 MCPA

R.T.: 7.851 min
Delta R.T.: -0.002 min
Response: 473399368
Conc: 44.05 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

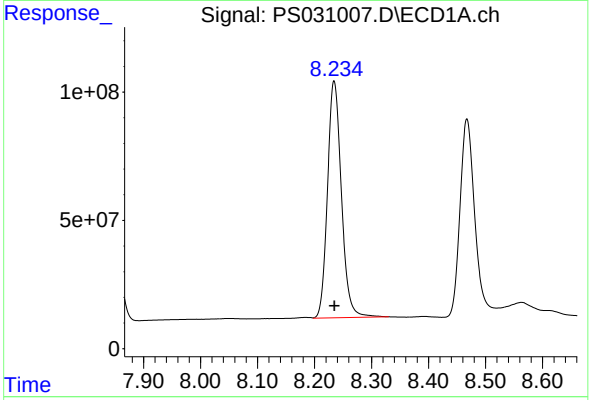
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



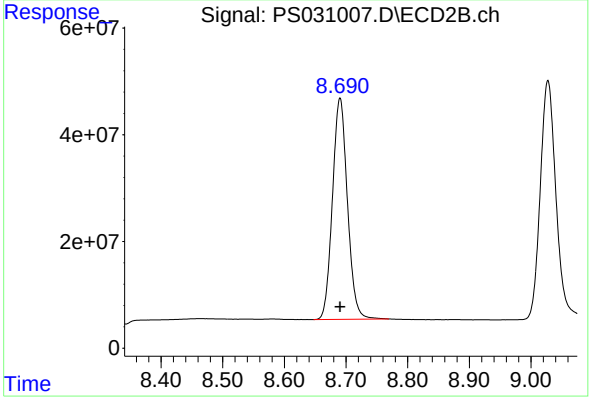
#7 MCPA

R.T.: 8.316 min
Delta R.T.: -0.003 min
Response: 143236463
Conc: 45.12 ug/ml



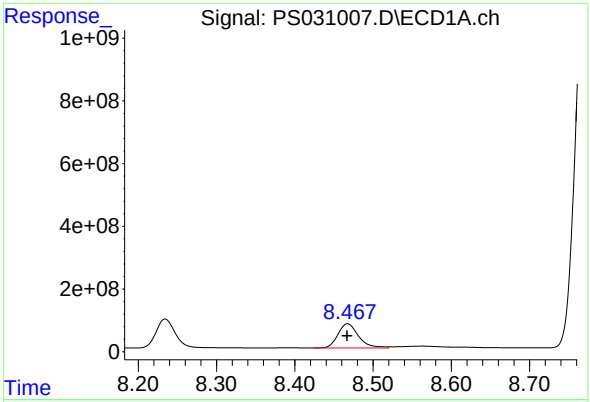
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 1564216081
Conc: 485.28 ng/ml



#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 700848755
Conc: 484.88 ng/ml



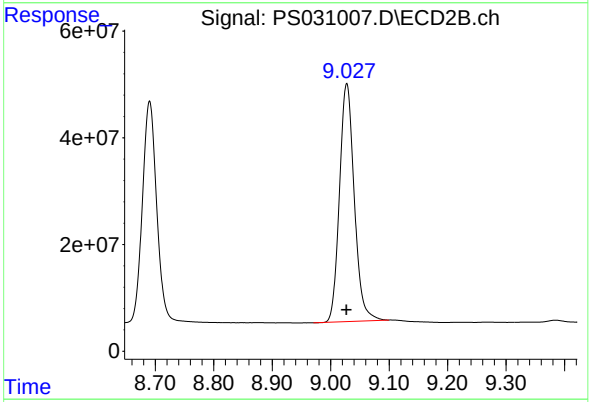
#9 2,4-D

R.T.: 8.467 min
Delta R.T.: 0.000 min
Response: 1402561111
Conc: 478.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

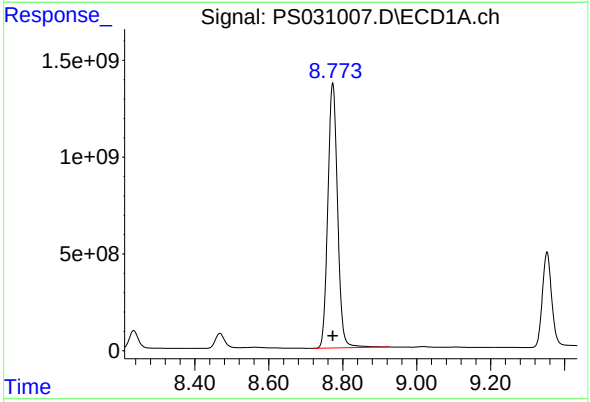
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



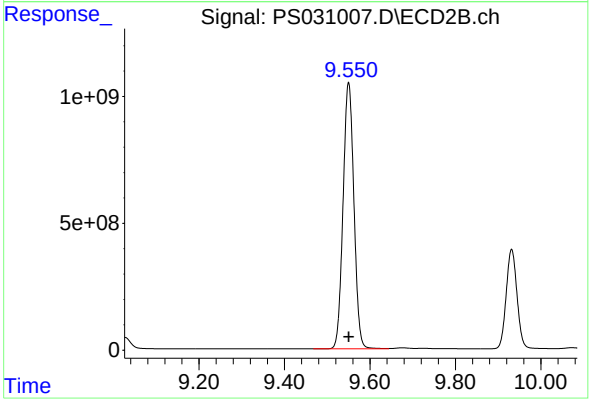
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: 0.000 min
Response: 782625431
Conc: 483.83 ng/ml



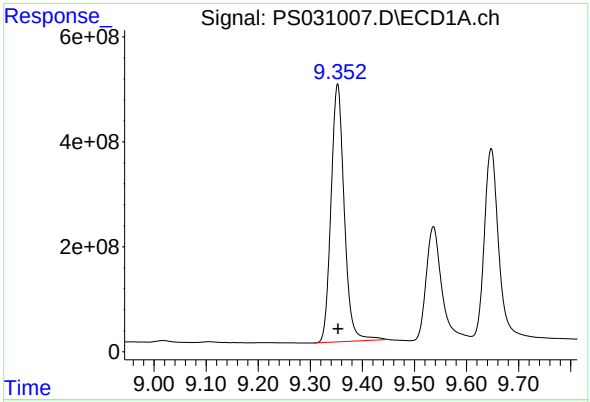
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 25005502043
Conc: 490.22 ng/ml



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 18493426690
Conc: 485.30 ng/ml



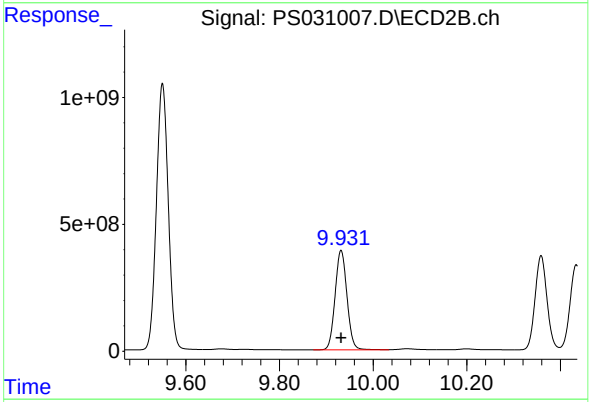
#11 2,4,5-TP (SILVEX)

R.T.: 9.352 min
Delta R.T.: 0.000 min
Response: 8678606941
Conc: 477.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

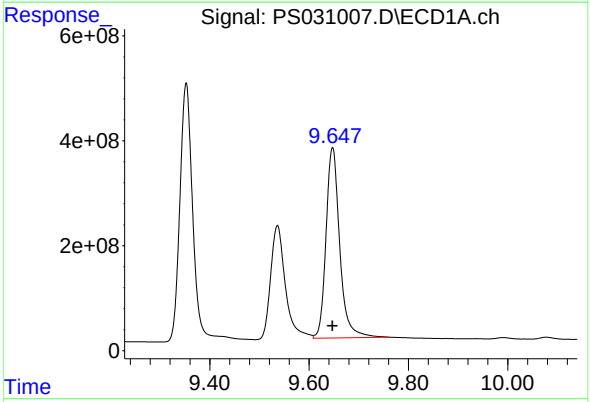
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



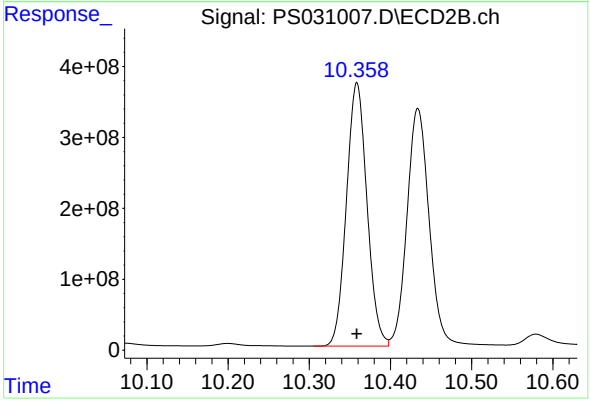
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 6892612786
Conc: 486.27 ng/ml



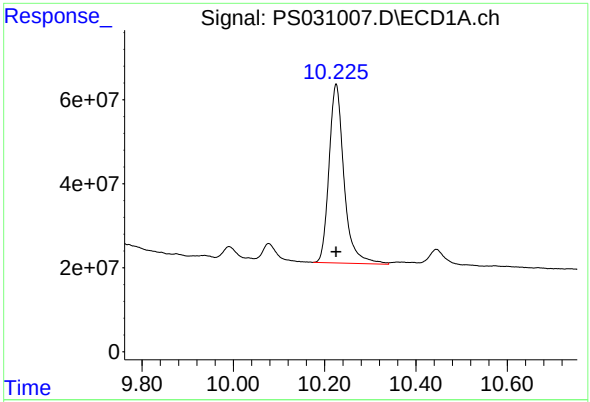
#12 2,4,5-T

R.T.: 9.647 min
Delta R.T.: 0.000 min
Response: 6951414781
Conc: 468.83 ng/ml



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 6538368101
Conc: 483.24 ng/ml



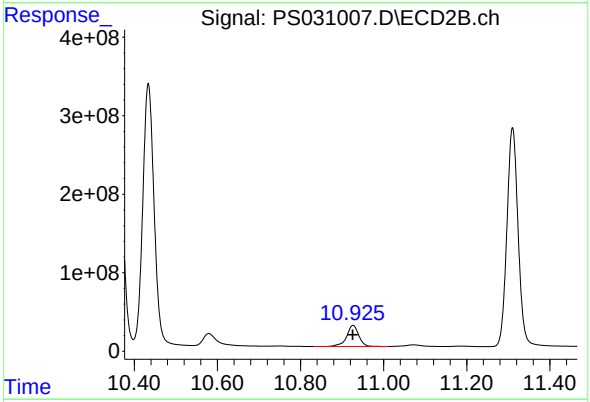
#13 2,4-DB

R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 969975772
Conc: 464.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

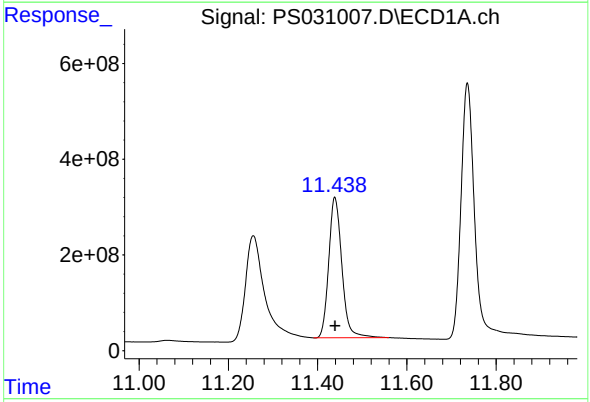
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



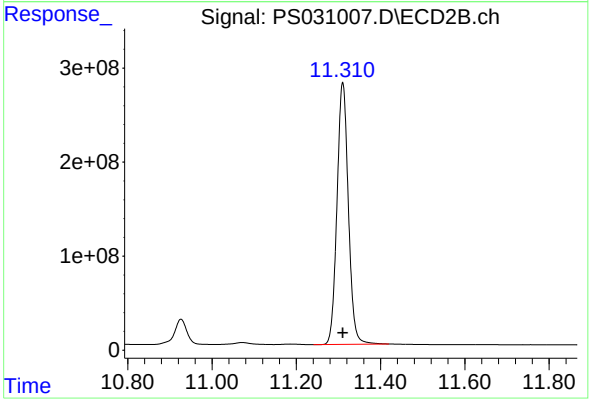
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 546929014
Conc: 485.71 ng/ml



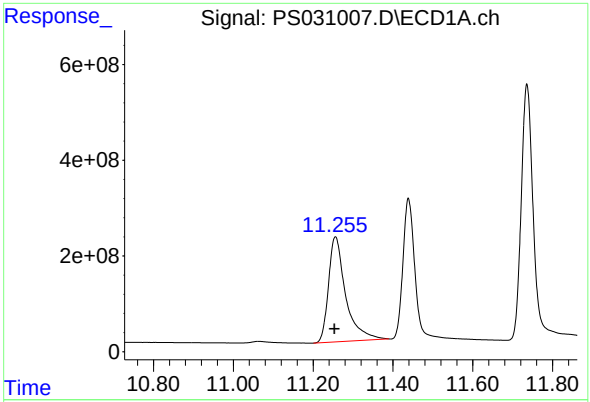
#14 DINOSEB

R.T.: 11.438 min
Delta R.T.: 0.000 min
Response: 5994657508
Conc: 467.34 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 5205530111
Conc: 476.76 ng/ml



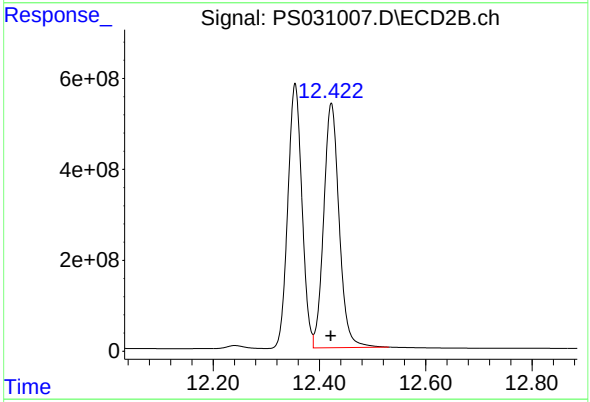
#15 Picloram

R.T.: 11.256 min
Delta R.T.: 0.002 min
Response: 6552347497
Conc: 457.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

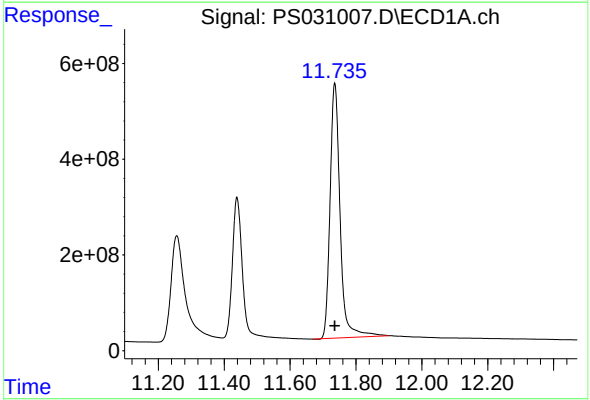
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



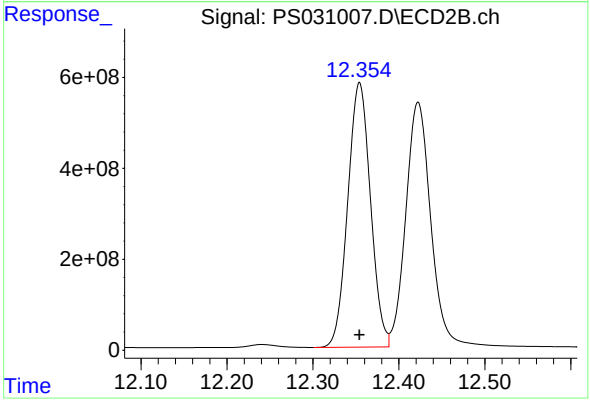
#15 Picloram

R.T.: 12.422 min
Delta R.T.: 0.001 min
Response: 10862643503
Conc: 465.91 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 11264648267
Conc: 481.91 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 10701128854
Conc: 487.83 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:48
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 14 03:16:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.333	7.769	2817.0E6	738.1E6	750.000	750.000
	Target Compounds						
1) T	Dalapon	2.698	2.708	3950.3E6	1850.4E6	682.500	682.500
2) T	3,5-DICHL...	6.494	6.715	3476.6E6	1026.6E6	697.500	697.500
3) T	4-Nitroph...	7.132	7.301	879.4E6	1145.2E6	682.500	682.500
5) T	DICAMBA	7.522	7.971	10591.7E6	4414.0E6	705.000	705.000
6) T	MCPP	7.703	8.069	651.6E6	150.7E6	70.500	70.500
7) T	MCPA	7.853	8.319	749.6E6	221.4E6	69.750	69.750
8) T	DICHLORPROP	8.235	8.691	2272.5E6	1019.0E6	705.000	705.000
9) T	2,4-D	8.467	9.027	2067.0E6	1140.4E6	705.000	705.000
10) T	Pentachlo...	8.773	9.550	36344.0E6	27151.2E6	712.500	712.500
11) T	2,4,5-TP ...	9.353	9.932	12959.6E6	10099.4E6	712.500	712.500
12) T	2,4,5-T	9.647	10.358	10564.4E6	9640.2E6	712.500	712.500
13) T	2,4-DB	10.225	10.926	1487.9E6	802.3E6	712.500	712.500
14) T	DINOSEB	11.439	11.310	9043.1E6	7697.6E6	705.000	705.000
15) T	Picloram	11.254	12.421	10198.3E6	16611.9E6	712.500	712.500
16) T	DCPA	11.736	12.354	16830.2E6	15794.1E6	720.000	720.000

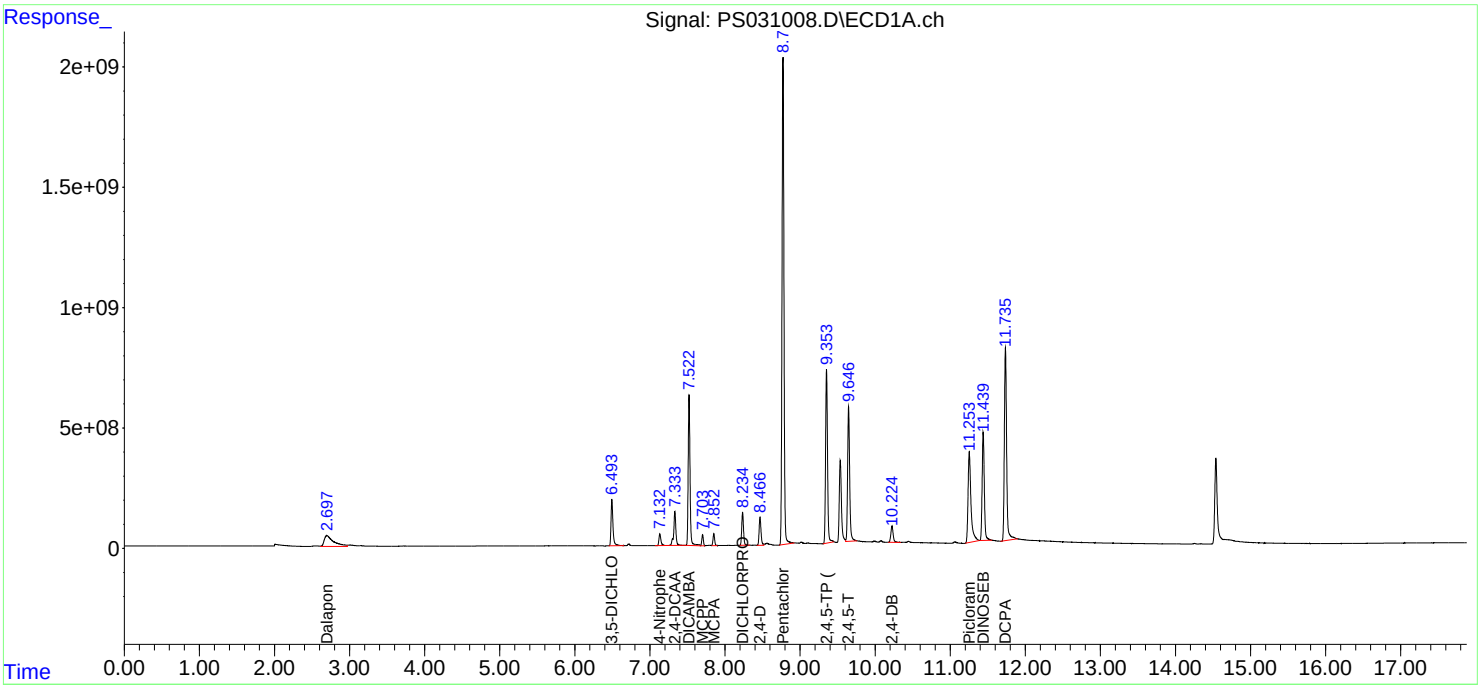
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

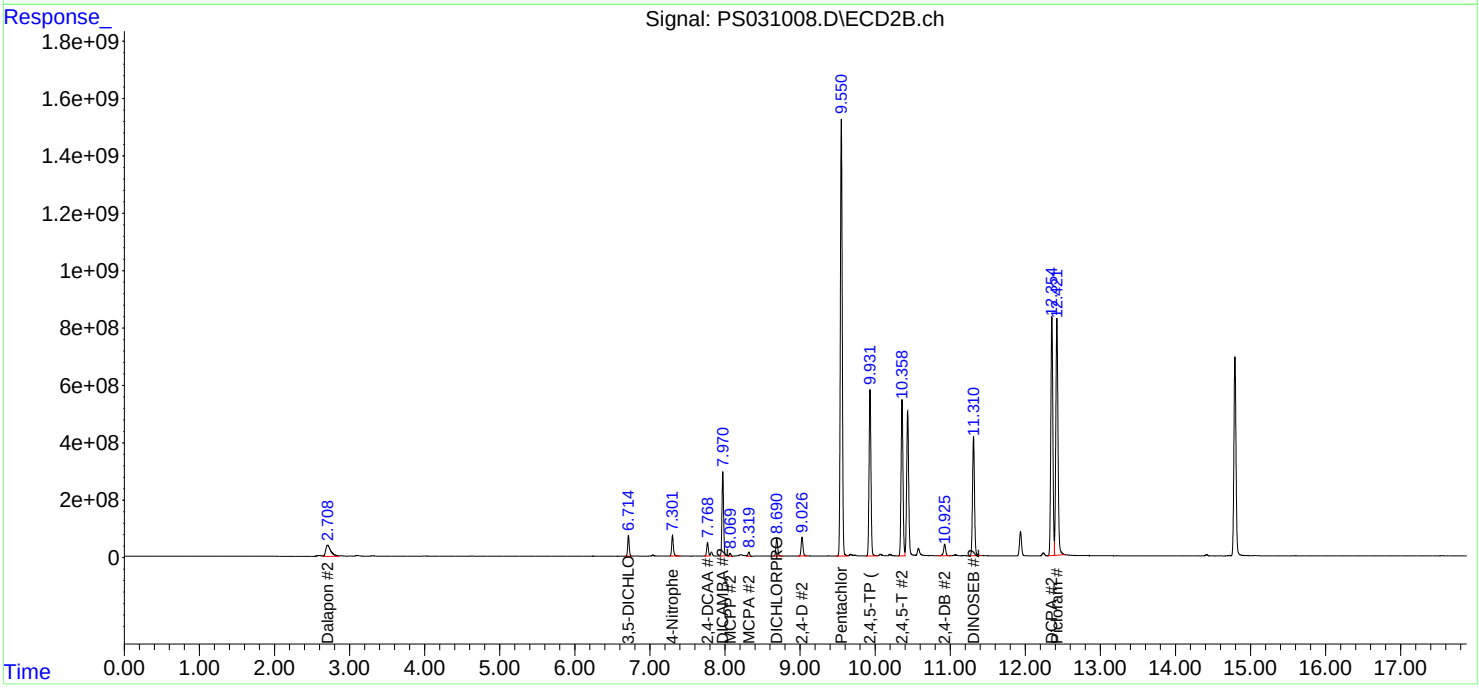
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:48
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

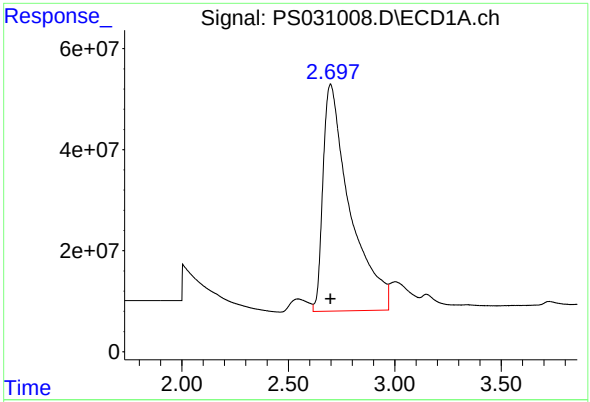
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



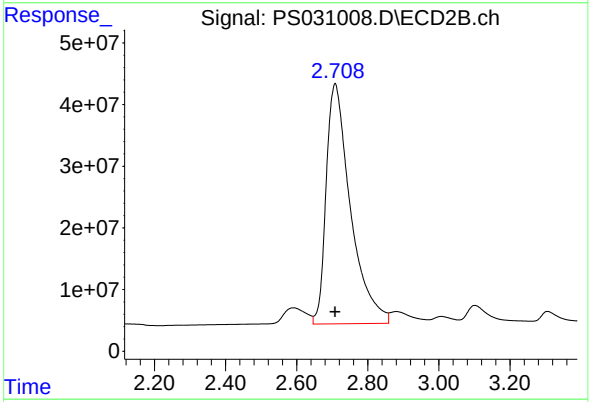




#1 Dalapon

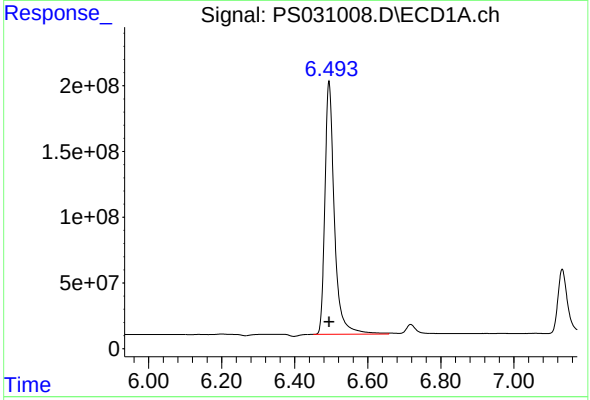
R.T.: 2.698 min
Delta R.T.: 0.000 min
Response: 3950303657
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



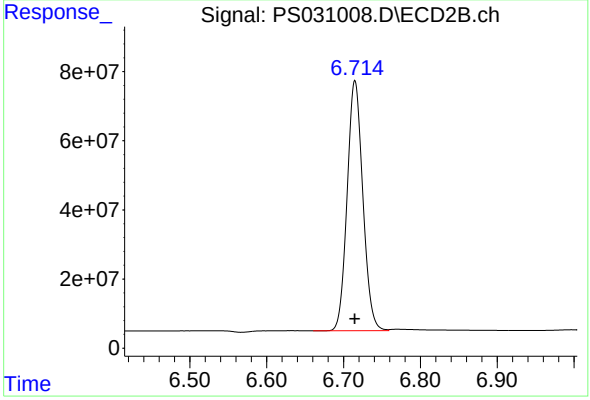
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: 0.000 min
Response: 1850383479
Conc: 682.50 ng/ml



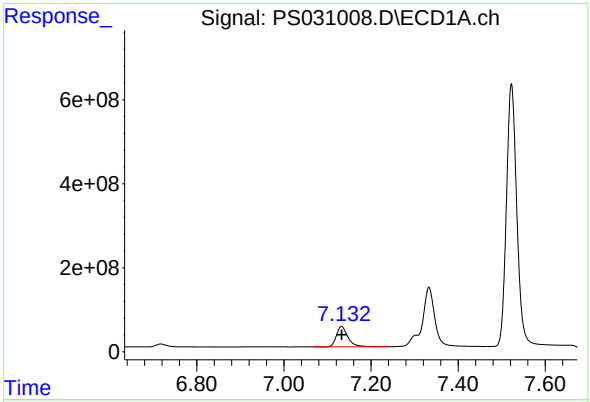
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 3476608711
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

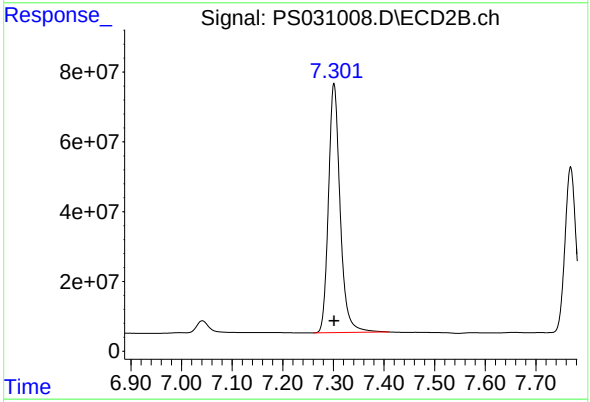
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 1026565481
Conc: 697.50 ng/ml



#3 4-Nitrophenol

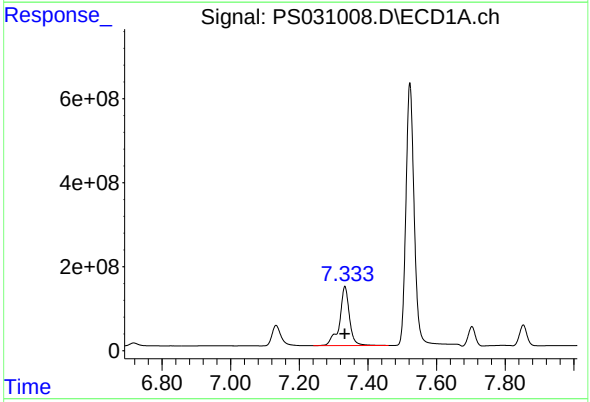
R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 879391587
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



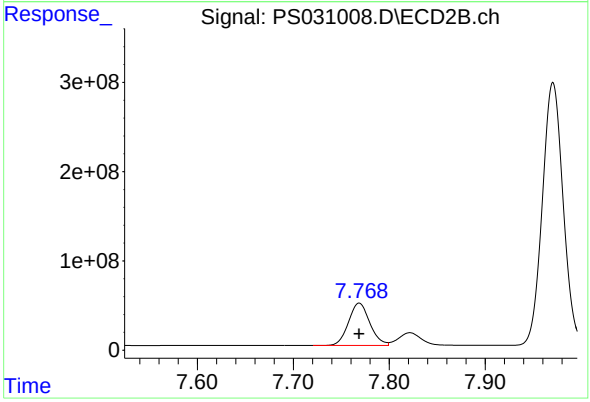
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1145244235
Conc: 682.50 ng/ml



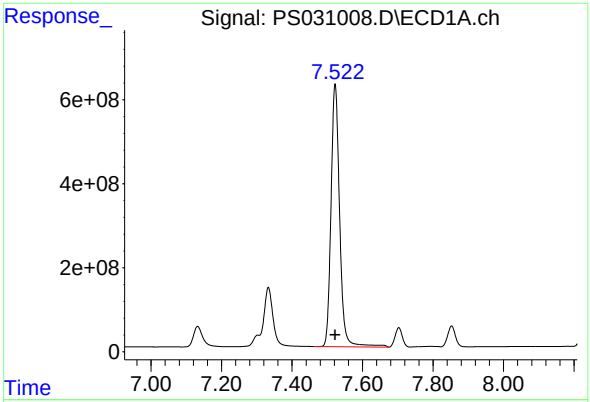
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 2816965514
Conc: 750.00 ng/ml



#4 2,4-DCAA

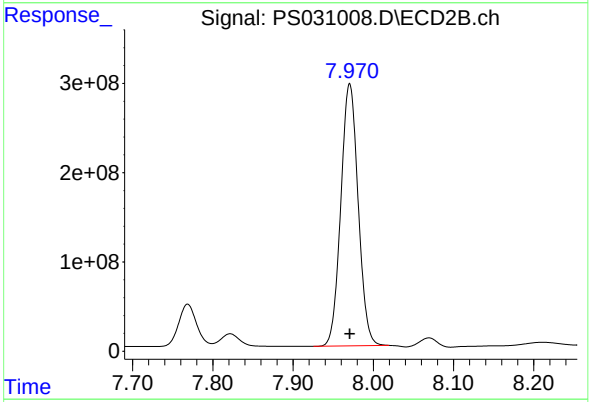
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 738053104
Conc: 750.00 ng/ml



#5 DICAMBA

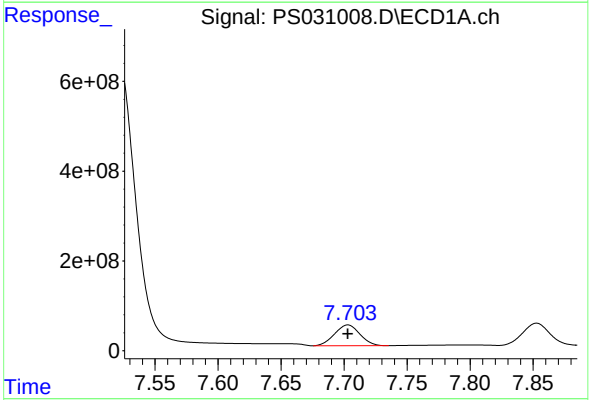
R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 10591672318
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



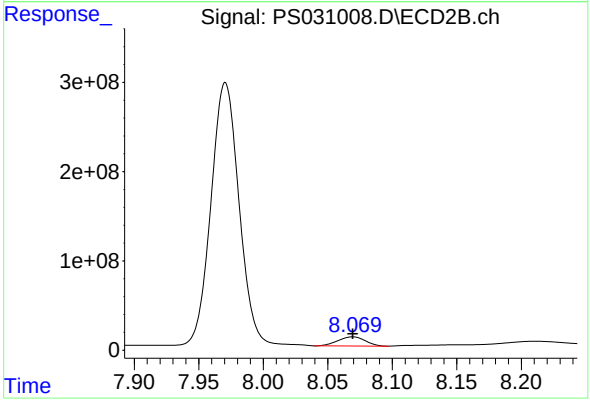
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 4414027774
Conc: 705.00 ng/ml



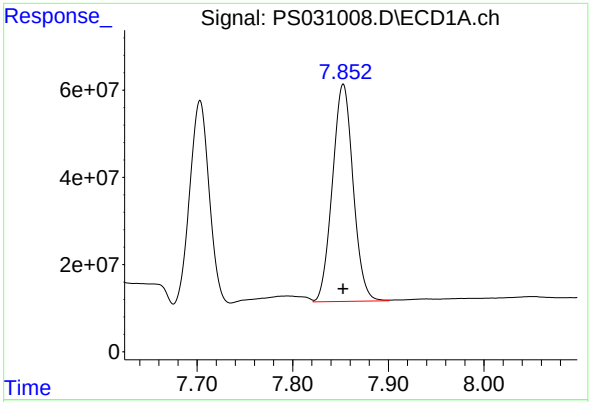
#6 MCPP

R.T.: 7.703 min
Delta R.T.: 0.000 min
Response: 651620936
Conc: 70.50 ug/ml



#6 MCPP

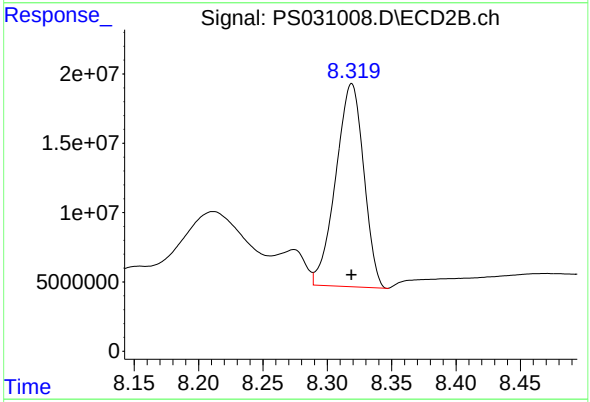
R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 150700610
Conc: 70.50 ug/ml



#7 MCPA

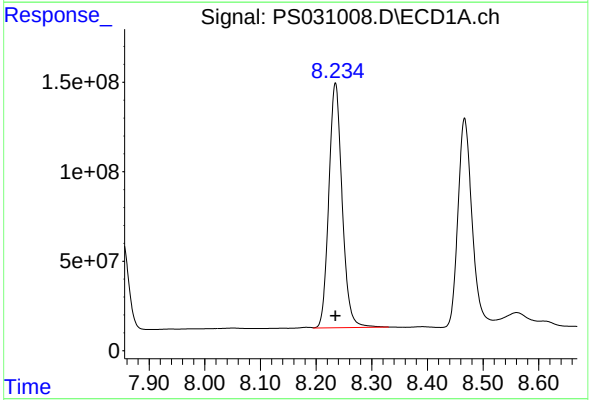
R.T.: 7.853 min
Delta R.T.: 0.000 min
Response: 749583522
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



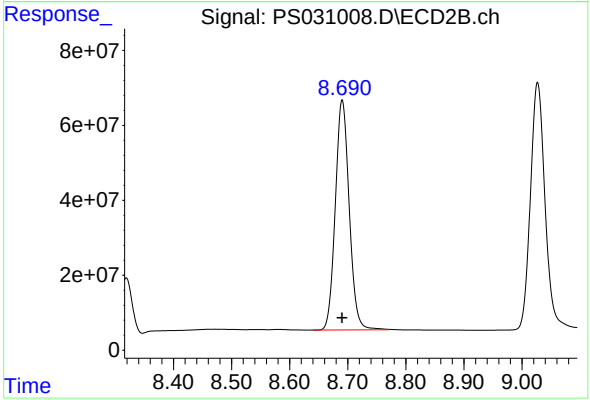
#7 MCPA

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 221439868
Conc: 69.75 ug/ml



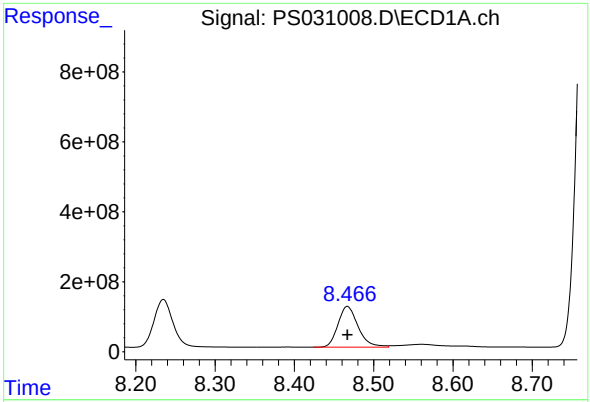
#8 DICHLORPROP

R.T.: 8.235 min
Delta R.T.: 0.000 min
Response: 2272452920
Conc: 705.00 ng/ml



#8 DICHLORPROP

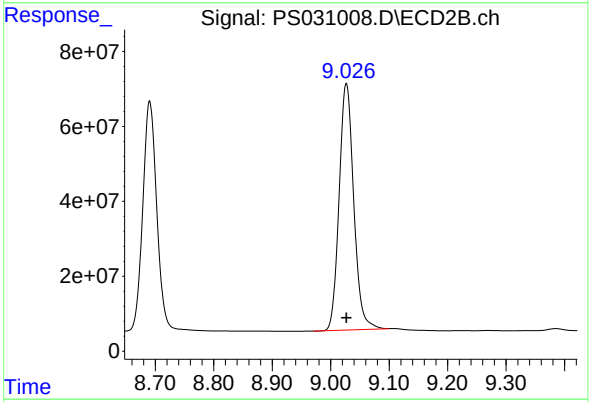
R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 1019003581
Conc: 705.00 ng/ml



#9 2,4-D

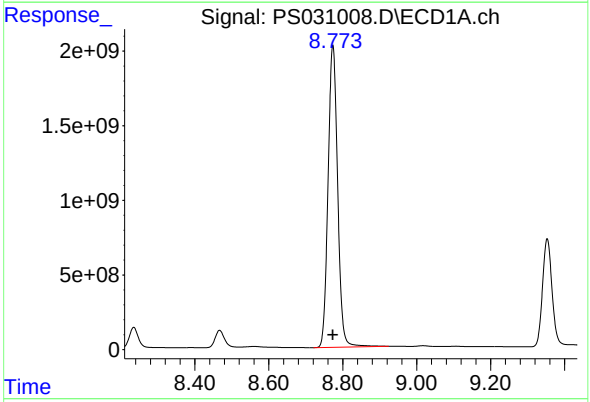
R.T.: 8.467 min
Delta R.T.: 0.000 min
Response: 2067046307
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



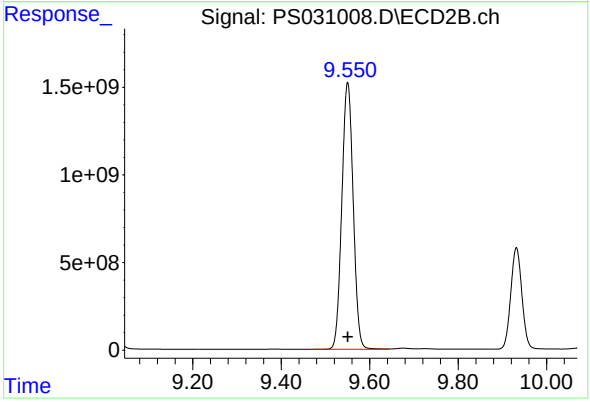
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1140371358
Conc: 705.00 ng/ml



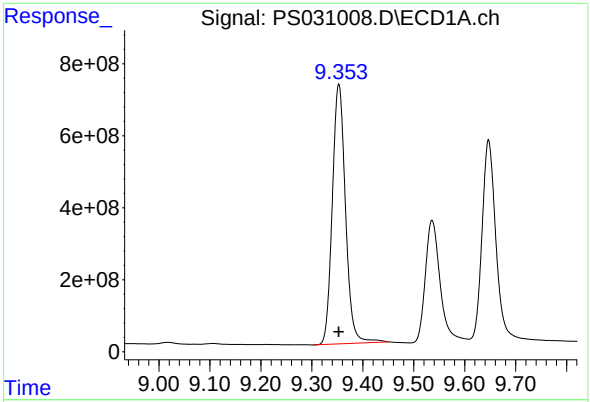
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 36344034677
Conc: 712.50 ng/ml



#10 Pentachlorophenol

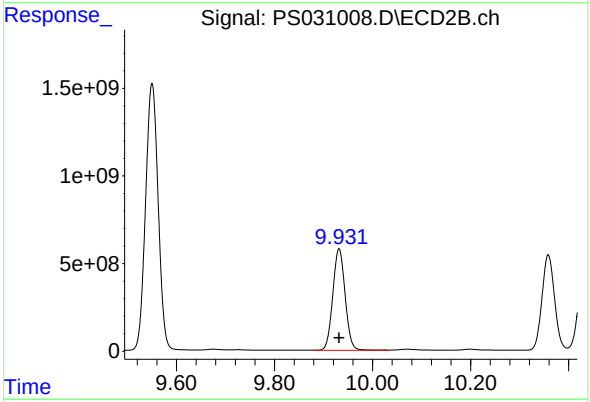
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 27151205839
Conc: 712.50 ng/ml



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

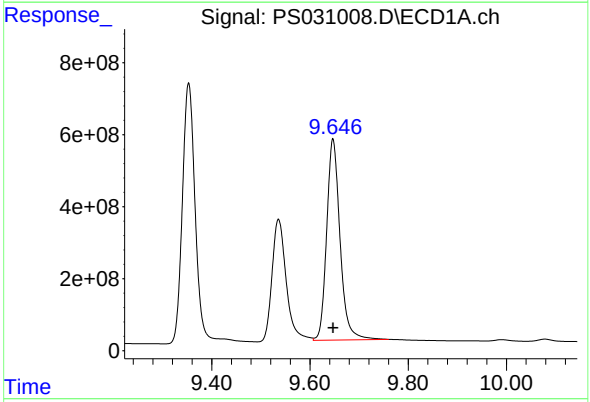
R.T.: 9.353 min
Delta R.T.: 0.000 min
Response: 12959628870
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



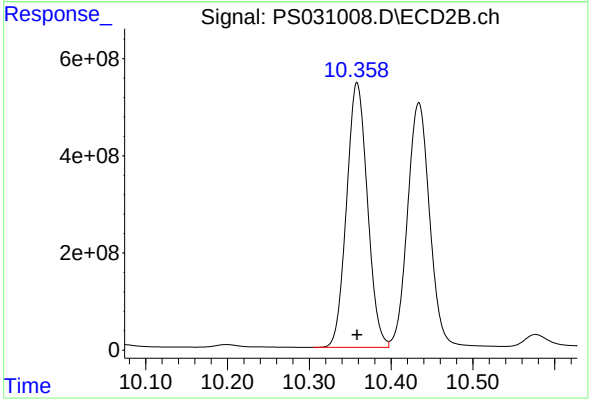
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 10099393716
Conc: 712.50 ng/ml



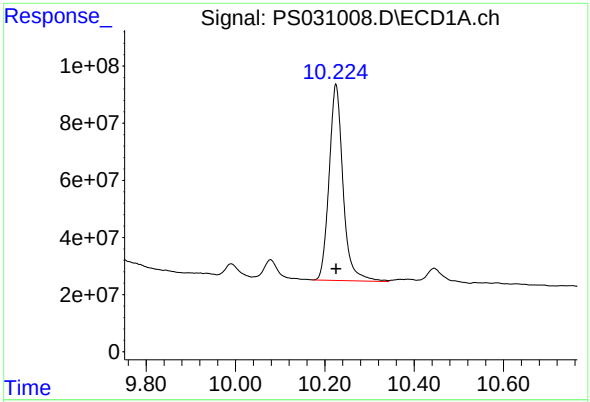
#12 2,4,5-T

R.T.: 9.647 min
Delta R.T.: 0.000 min
Response: 10564385263
Conc: 712.50 ng/ml



#12 2,4,5-T

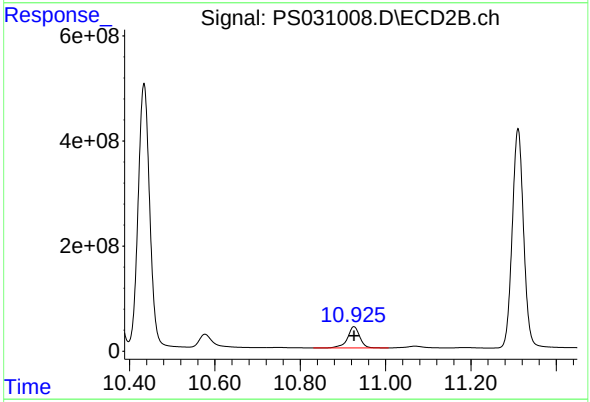
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 9640248459
Conc: 712.50 ng/ml



#13 2,4-DB

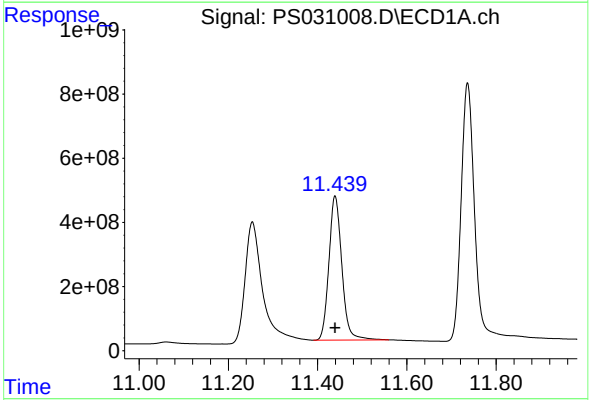
R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 1487939827
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



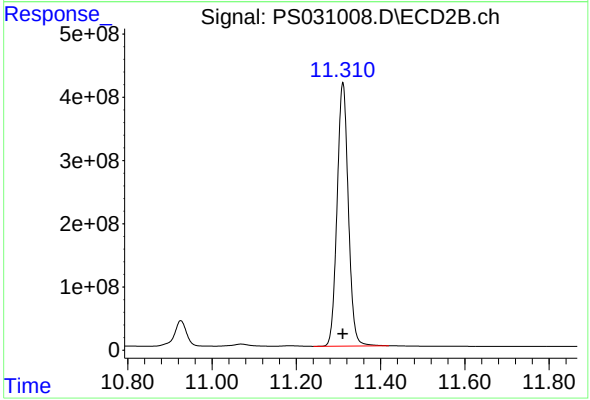
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 802309304
Conc: 712.50 ng/ml



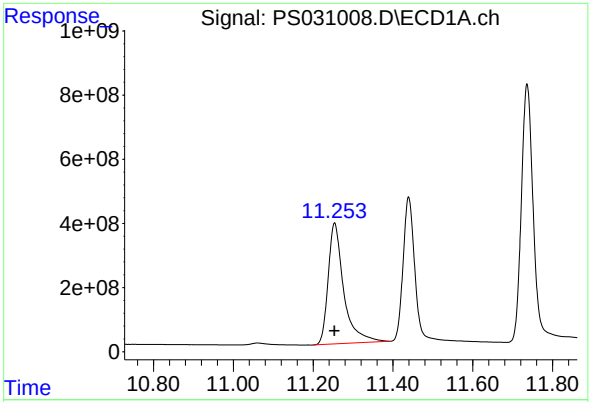
#14 DINOSEB

R.T.: 11.439 min
Delta R.T.: 0.000 min
Response: 9043087220
Conc: 705.00 ng/ml



#14 DINOSEB

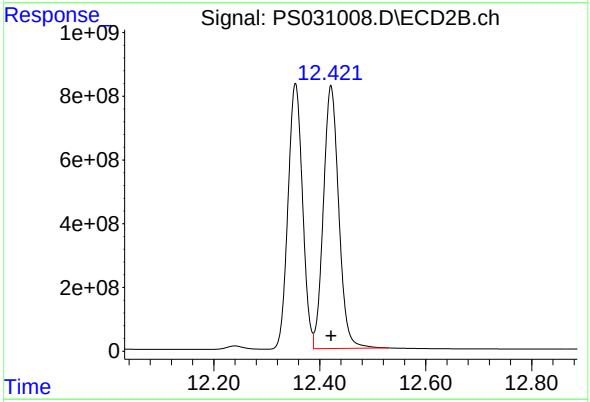
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 7697635973
Conc: 705.00 ng/ml



#15 Picloram

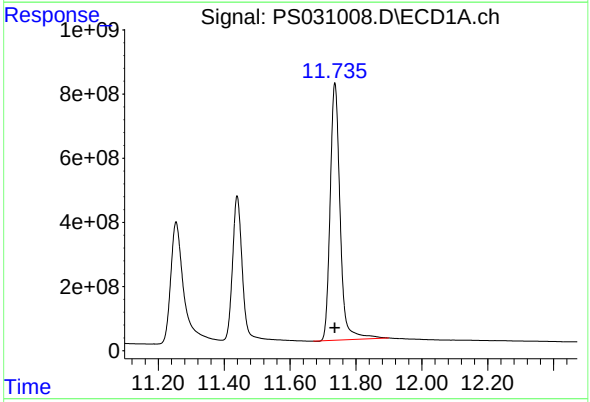
R.T.: 11.254 min
Delta R.T.: 0.000 min
Response: 10198341739
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



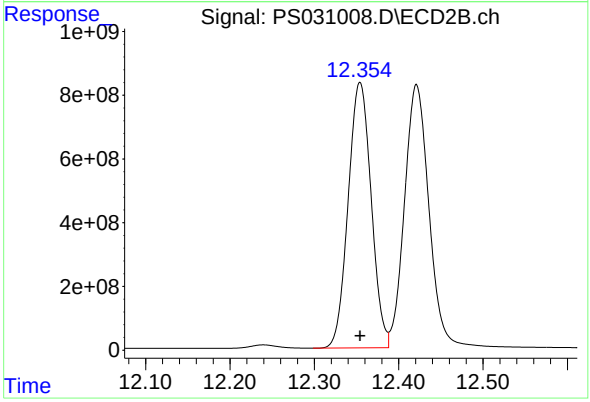
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 16611934090
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 16830156248
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 15794068077
Conc: 720.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:12
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 14 03:16:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.333	7.769	3730.2E6	981.3E6	993.136	997.186
	Target Compounds						
1) T	Dalapon	2.699	2.707	5242.2E6	2470.8E6	905.706	911.320
2) T	3,5-DICHL...	6.494	6.715	4586.7E6	1368.9E6	920.211	930.100
3) T	4-Nitroph...	7.132	7.301	1171.9E6	1553.4E6	909.484	925.730
5) T	DICAMBA	7.522	7.971	14074.6E6	5978.4E6	936.831	954.851
6) T	MCPP	7.705	8.072	923.0E6	208.2E6	99.864	97.395
7) T	MCPA	7.855	8.321	1059.6E6	300.4E6	98.600	94.607
8) T	DICHLORPROP	8.234	8.691	3026.5E6	1345.3E6	938.920	930.730
9) T	2,4-D	8.466	9.027	2798.2E6	1514.1E6	954.385	936.026
10) T	Pentachlo...	8.777	9.551	45014.0E6	36061.1E6	882.468	946.312
11) T	2,4,5-TP ...	9.353	9.933	17284.4E6	13424.5E6	950.271	947.084
12) T	2,4,5-T	9.647	10.359	14457.9E6	12860.2E6	975.095	950.482
13) T	2,4-DB	10.224	10.926	2058.2E6	1075.0E6	985.558	954.692
14) T	DINOSEB	11.439	11.311	12265.4E6	10343.6E6	956.211	947.331
15) T	Picloram	11.252	12.421	14210.5E6	22631.9E6	992.807	970.701
16) T	DCPA	11.736	12.355	22762.4E6	20994.2E6	973.783	957.057

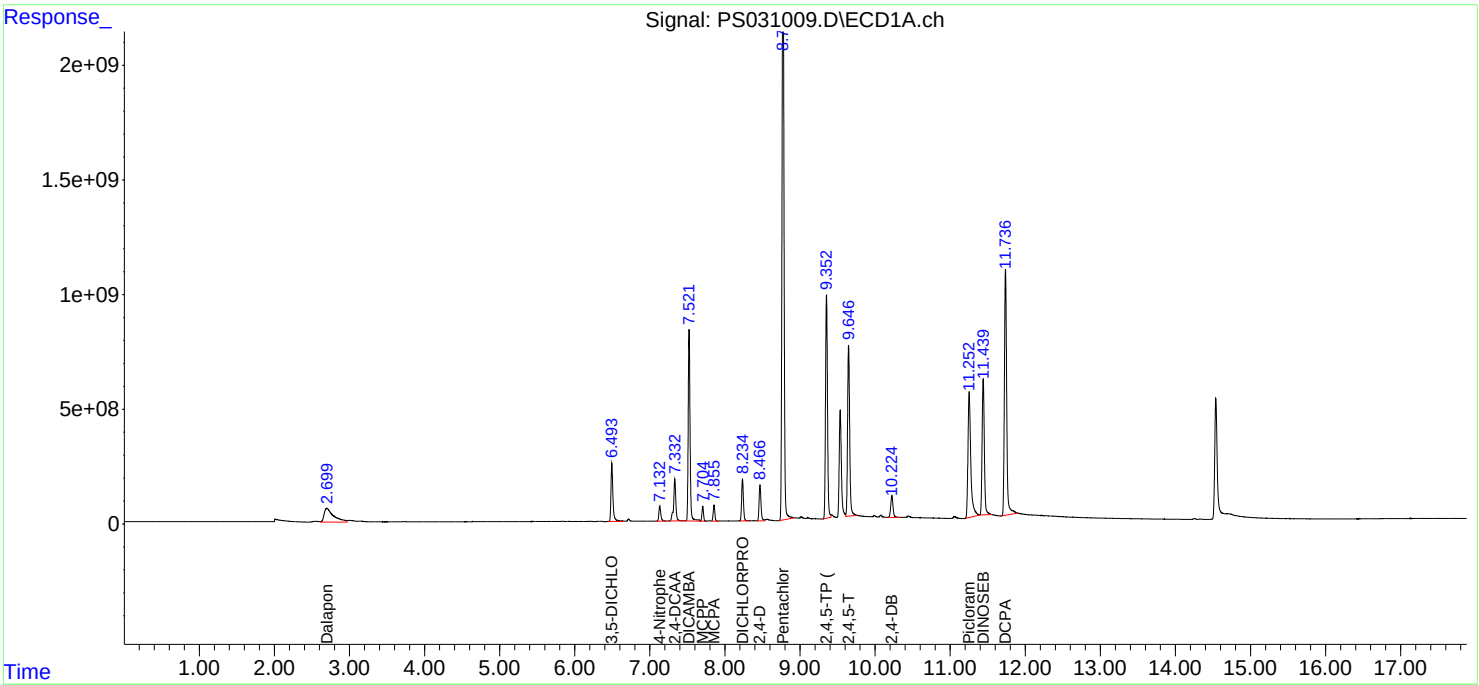
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

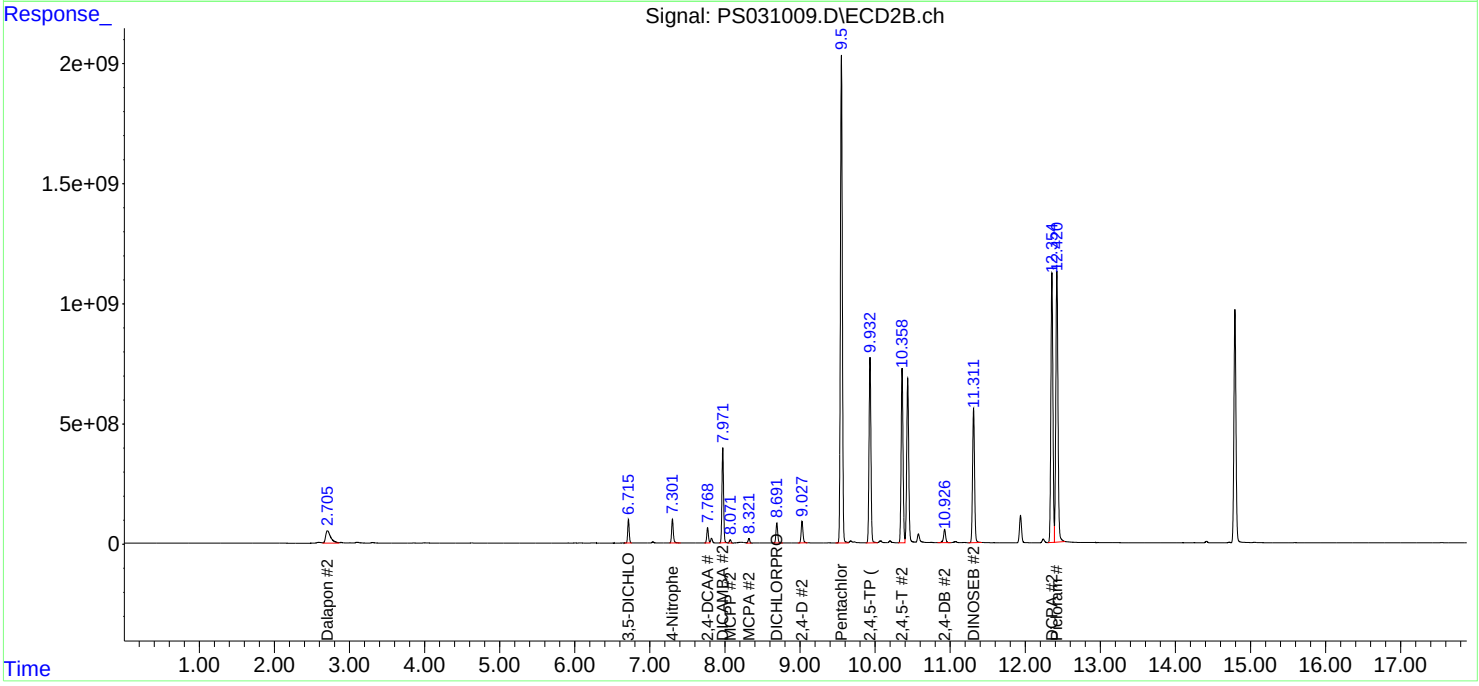
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:12
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

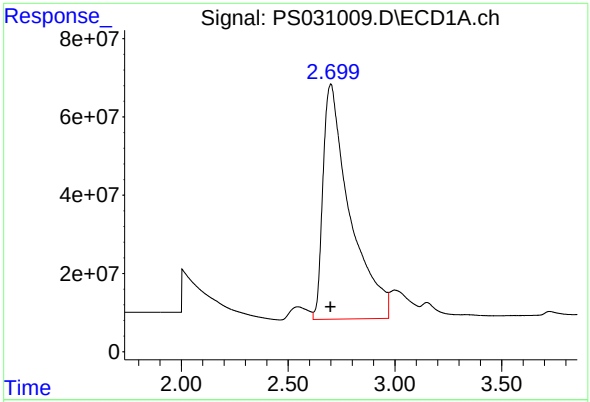
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



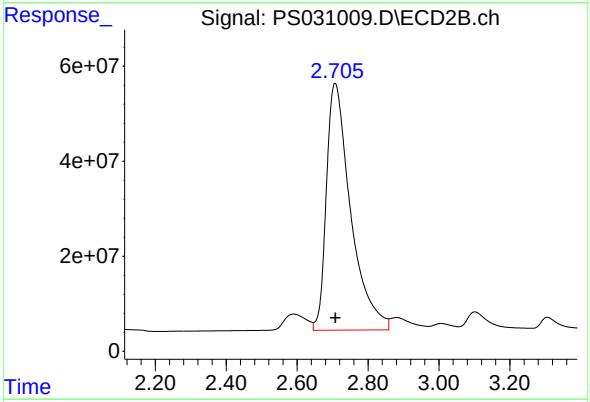




#1 Dalapon

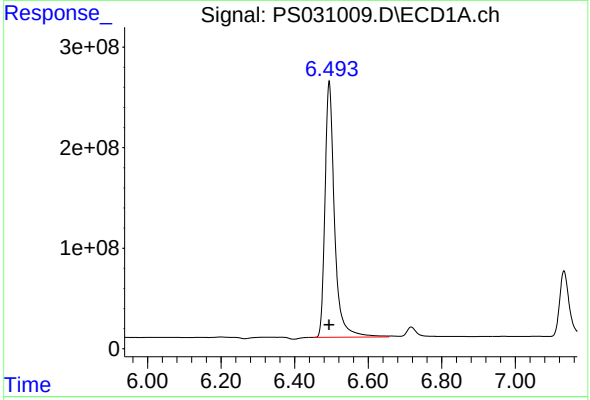
R.T.: 2.699 min
Delta R.T.: 0.001 min
Response: 5242217386
Conc: 905.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



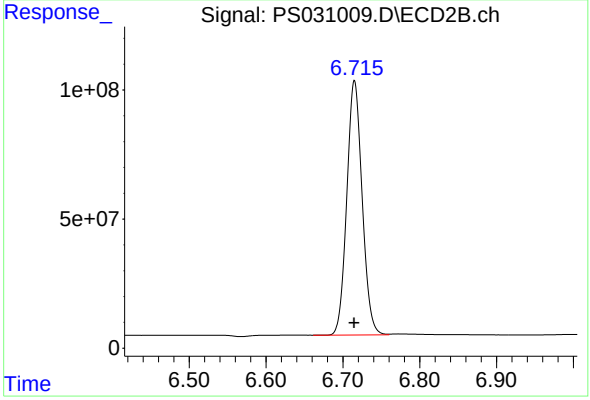
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: -0.002 min
Response: 2470755877
Conc: 911.32 ng/ml



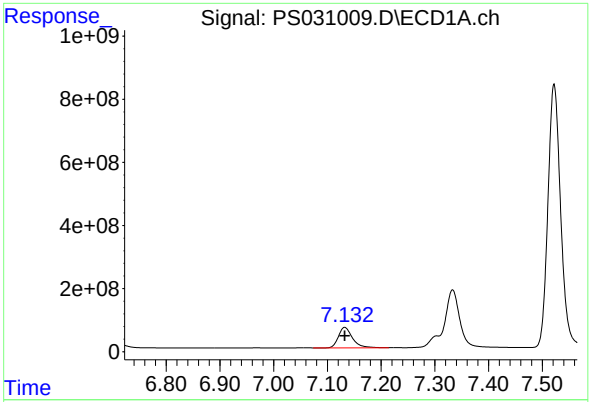
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 4586688502
Conc: 920.21 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

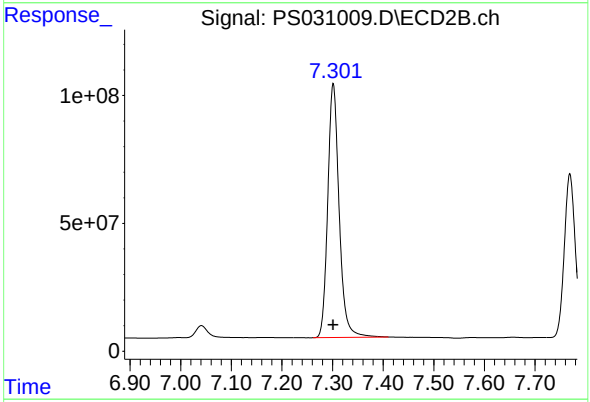
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 1368901126
Conc: 930.10 ng/ml



#3 4-Nitrophenol

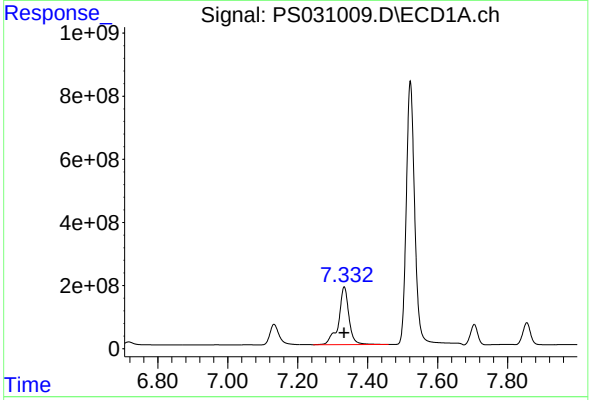
R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 1171857254
Conc: 909.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



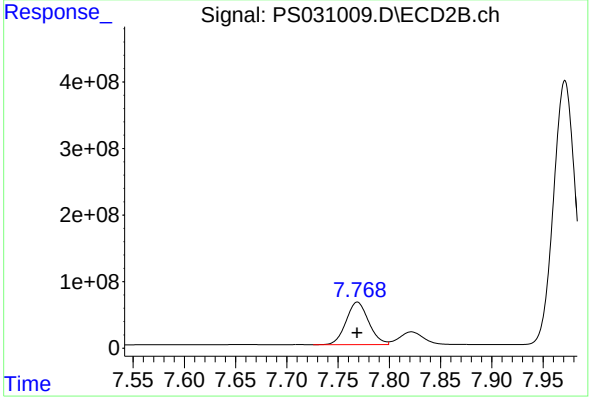
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1553386656
Conc: 925.73 ng/ml



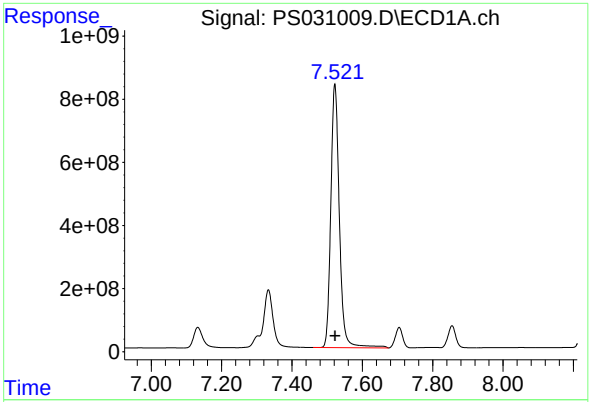
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 3730171946
Conc: 993.14 ng/ml



#4 2,4-DCAA

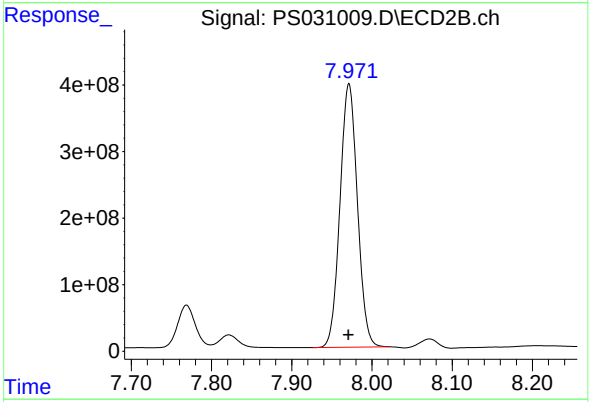
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 981301761
Conc: 997.19 ng/ml



#5 DICAMBA

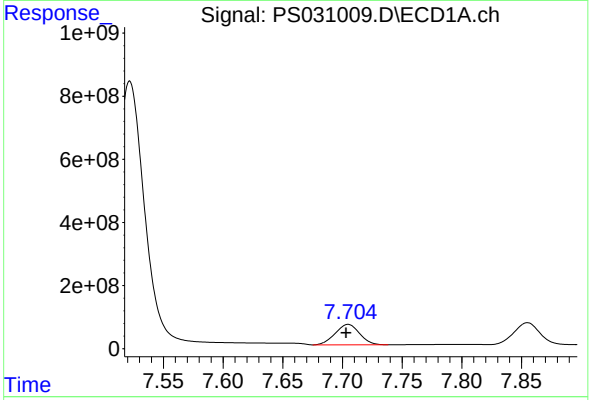
R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 14074612519
Conc: 936.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



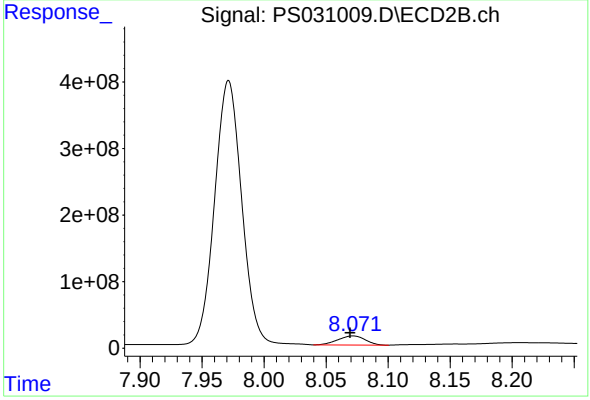
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 5978353694
Conc: 954.85 ng/ml



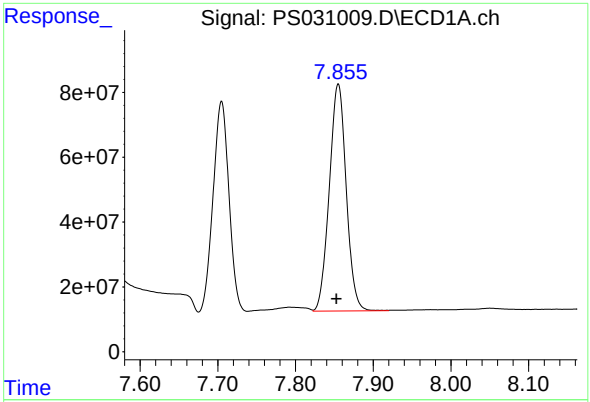
#6 MCPP

R.T.: 7.705 min
Delta R.T.: 0.002 min
Response: 923024142
Conc: 99.86 ug/ml



#6 MCPP

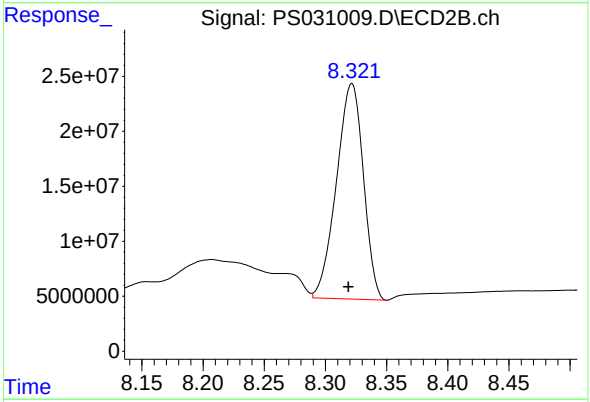
R.T.: 8.072 min
Delta R.T.: 0.002 min
Response: 208190809
Conc: 97.39 ug/ml



#7 MCPA

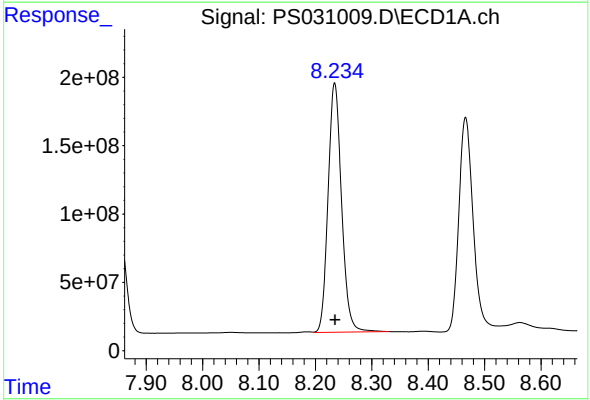
R.T.: 7.855 min
Delta R.T.: 0.002 min
Response: 1059623179
Conc: 98.60 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



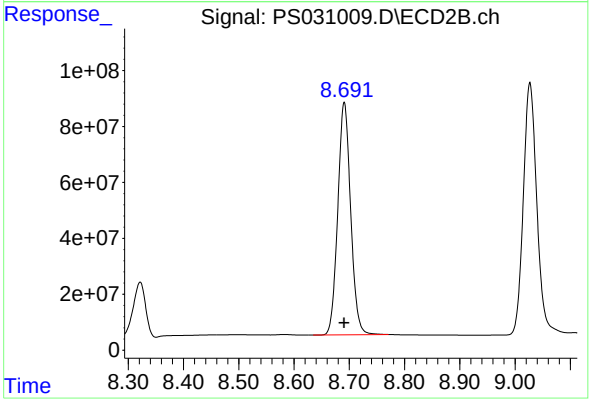
#7 MCPA

R.T.: 8.321 min
Delta R.T.: 0.003 min
Response: 300353593
Conc: 94.61 ug/ml



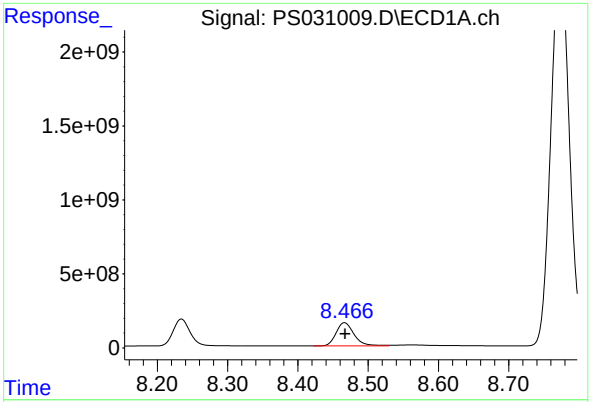
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 3026456787
Conc: 938.92 ng/ml



#8 DICHLORPROP

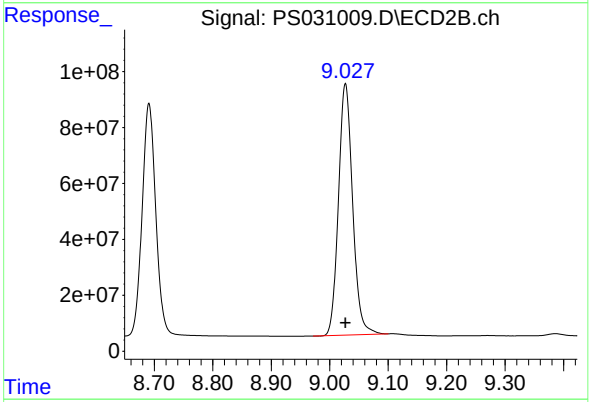
R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 1345273205
Conc: 930.73 ng/ml



#9 2,4-D

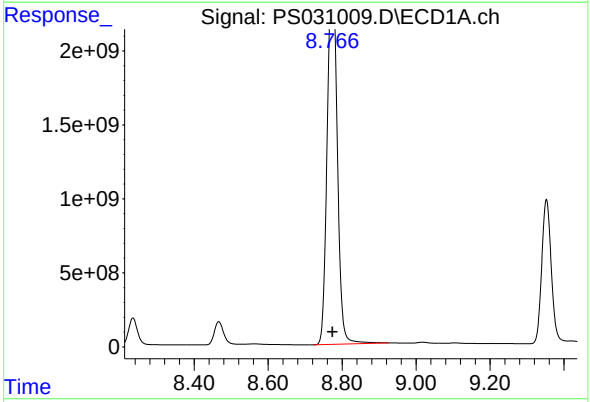
R.T.: 8.466 min
Delta R.T.: 0.000 min
Response: 2798237043
Conc: 954.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



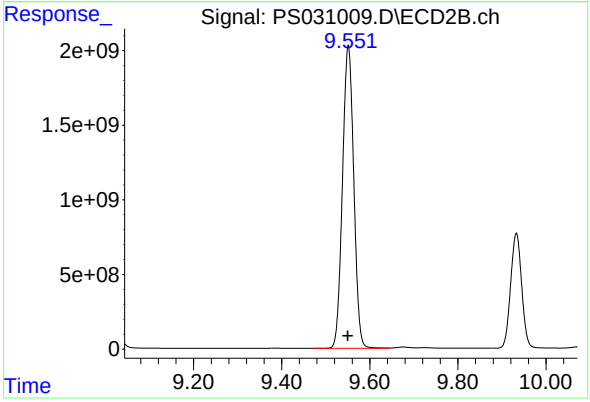
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1514066679
Conc: 936.03 ng/ml



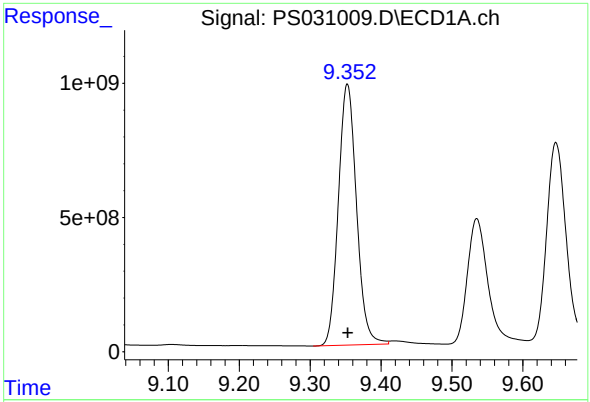
#10 Pentachlorophenol

R.T.: 8.777 min
Delta R.T.: 0.004 min
Response: 45013986182
Conc: 882.47 ng/ml



#10 Pentachlorophenol

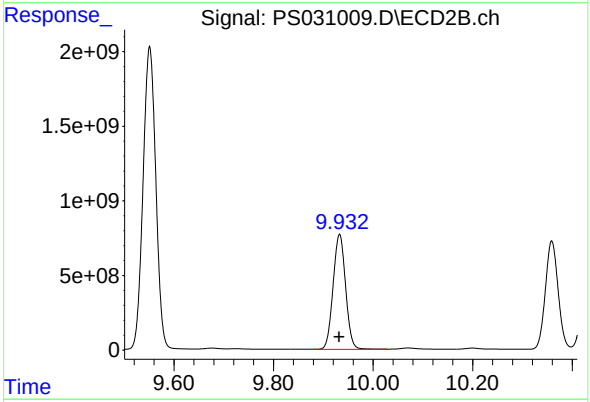
R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 36061055531
Conc: 946.31 ng/ml



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

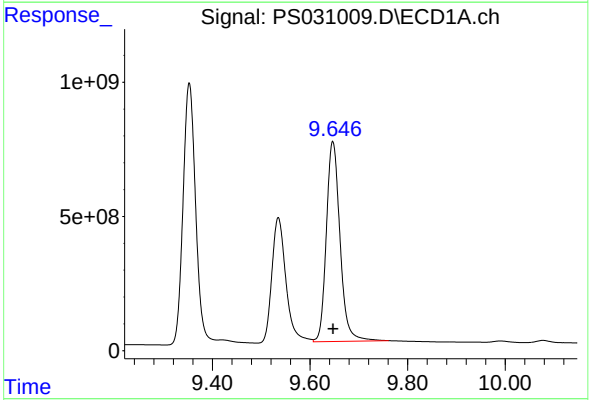
R.T.: 9.353 min
Delta R.T.: 0.000 min
Response: 17284442261
Conc: 950.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



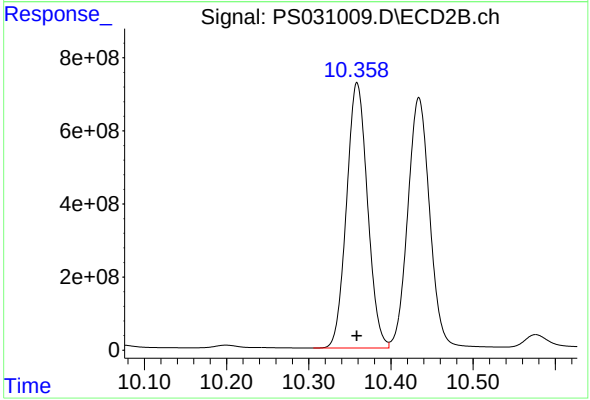
#11 2,4,5-TP (SILVEX)

R.T.: 9.933 min
Delta R.T.: 0.000 min
Response: 13424518414
Conc: 947.08 ng/ml



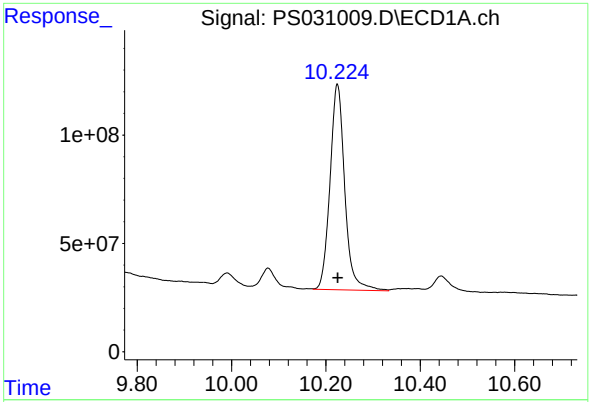
#12 2,4,5-T

R.T.: 9.647 min
Delta R.T.: 0.000 min
Response: 14457929335
Conc: 975.09 ng/ml



#12 2,4,5-T

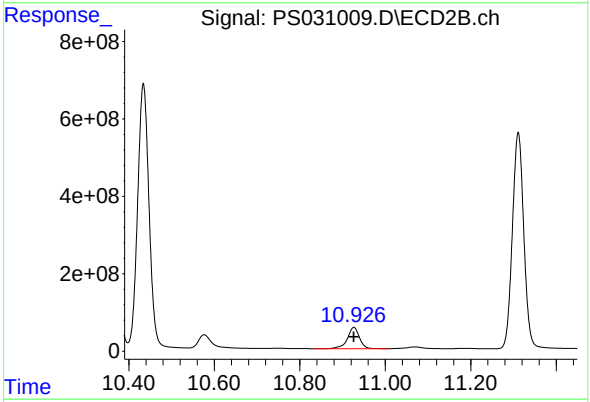
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 12860191165
Conc: 950.48 ng/ml



#13 2,4-DB

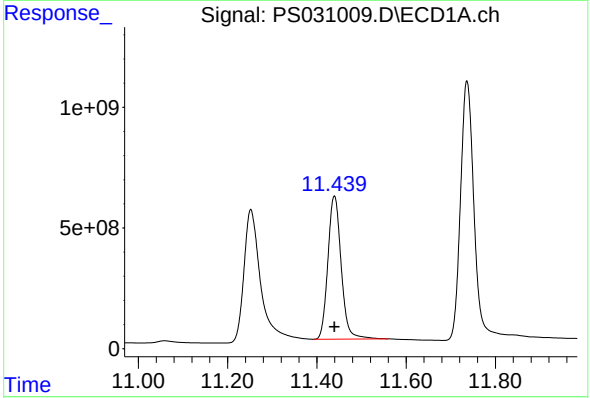
R.T.: 10.224 min
Delta R.T.: 0.000 min
Response: 2058176102
Conc: 985.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



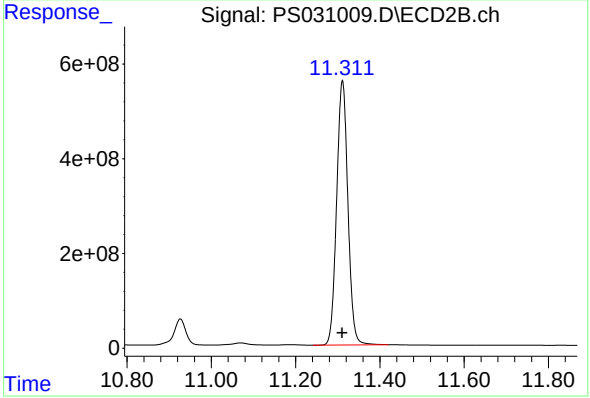
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 1075029412
Conc: 954.69 ng/ml



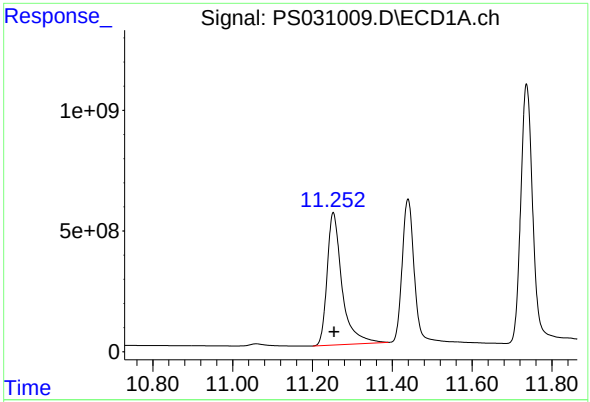
#14 DINOSEB

R.T.: 11.439 min
Delta R.T.: 0.000 min
Response: 12265386197
Conc: 956.21 ng/ml



#14 DINOSEB

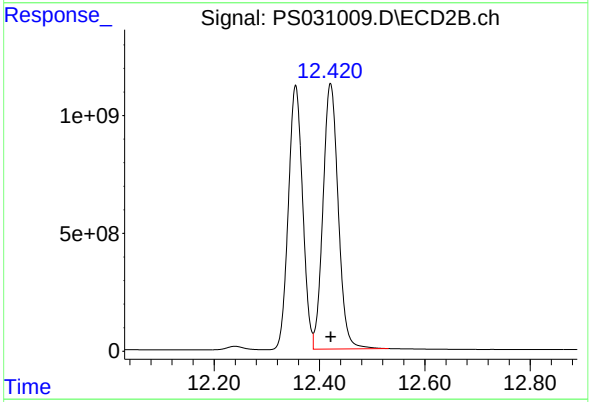
R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 10343562278
Conc: 947.33 ng/ml



#15 Picloram

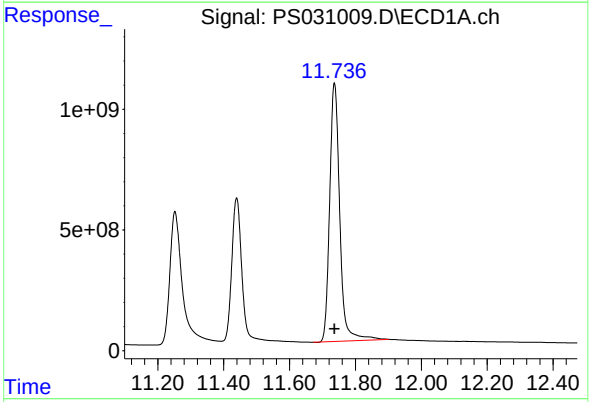
R.T.: 11.252 min
Delta R.T.: -0.002 min
Response: 14210502137
Conc: 992.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



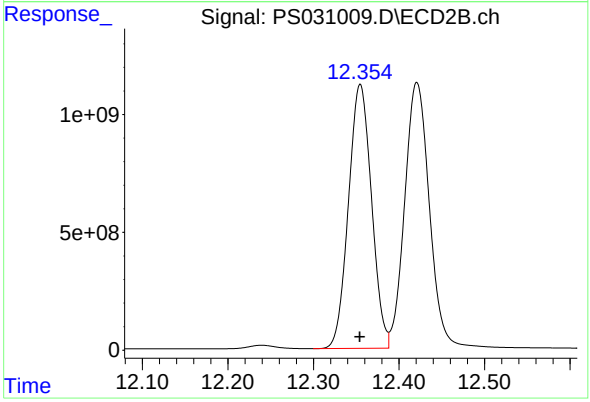
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 22631883912
Conc: 970.70 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 22762379086
Conc: 973.78 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 20994195939
Conc: 957.06 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:36
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.332	7.767	5335.8E6	1418.1E6	1420.633m	1441.103
	Target Compounds						
1) T	Dalapon	2.698	2.707	7486.5E6	3547.9E6	1293.460	1308.613
2) T	3,5-DICHL...	6.493	6.714	6524.9E6	1980.6E6	1309.060	1345.701
3) T	4-Nitroph...	7.131	7.300	1725.8E6	2292.6E6	1339.368	1366.259
5) T	DICAMBA	7.521	7.970	20106.6E6	8698.0E6	1338.332	1389.226
6) T	MCPP	7.707	8.074	1430.6E6	309.1E6	154.781	144.613
7) T	MCPA	7.857	8.324	1645.7E6	445.0E6	153.134	140.171
8) T	DICHLORPROP	8.234	8.689	4381.4E6	1928.8E6	1359.272	1334.416
9) T	2,4-D	8.466	9.025	4148.9E6	2179.6E6	1415.062	1347.498
10) T	Pentachlo...	8.782	9.550	52777.9E6	46094.6E6	1034.675	1209.611
11) T	2,4,5-TP ...	9.352	9.931	25168.8E6	19018.3E6	1383.742	1341.717
12) T	2,4,5-T	9.646	10.358	21706.0E6	18321.9E6	1463.931	1354.148
13) T	2,4-DB	10.223	10.925	3219.3E6	1559.4E6	1541.540	1384.859
14) T	DINOSEB	11.439	11.310	18156.7E6	14885.6E6	1415.498	1363.317
15) T	Picloram	11.250	12.420	22339.0E6	32971.5E6	1560.697	1414.175
16) T	DCPA	11.735	12.353	32997.7E6	29826.3E6	1411.653	1359.686m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:36
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

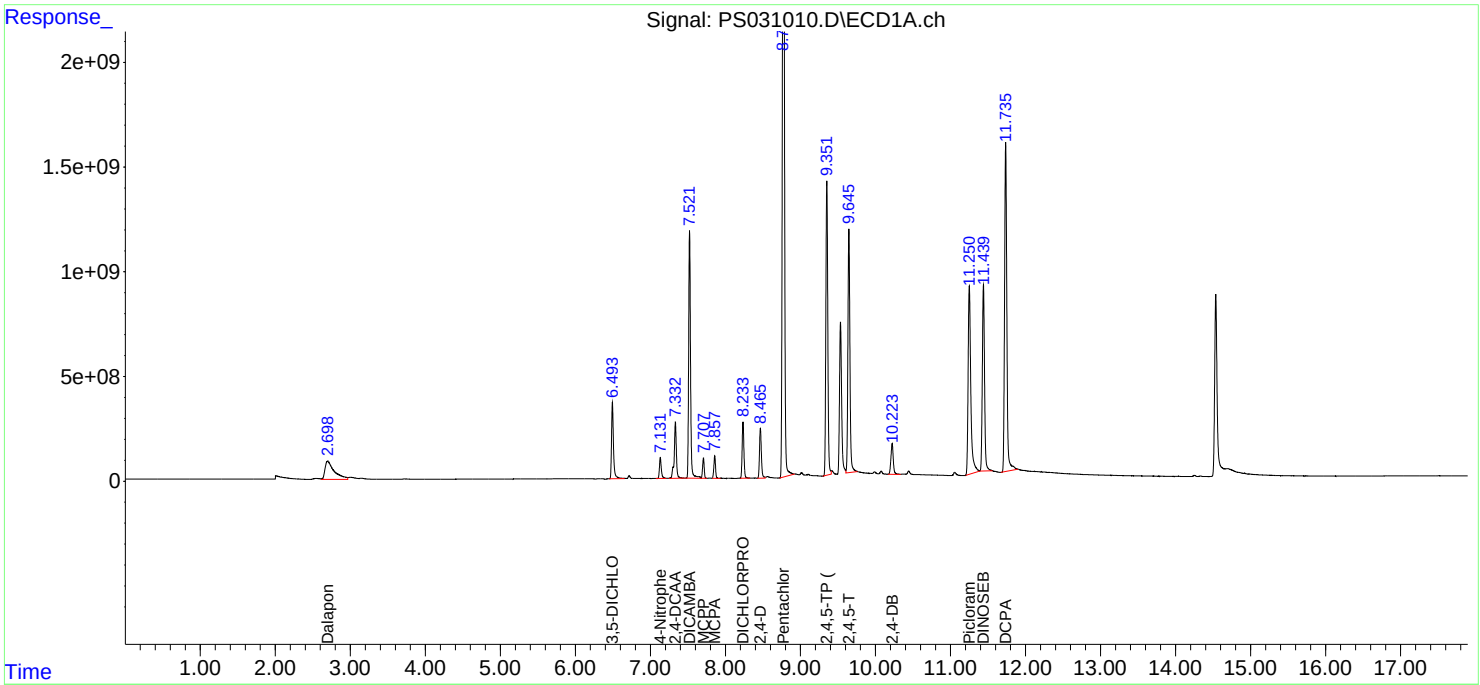
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

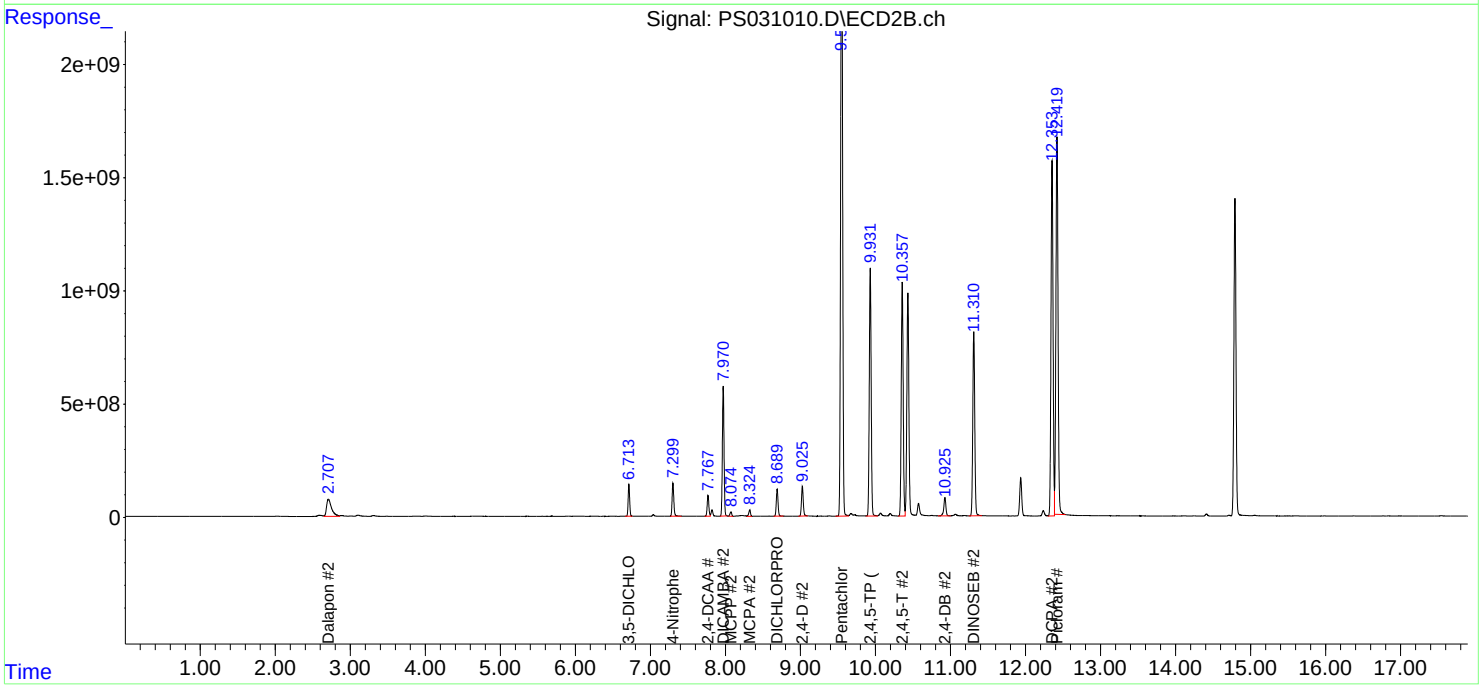
Manual Integrations APPROVED

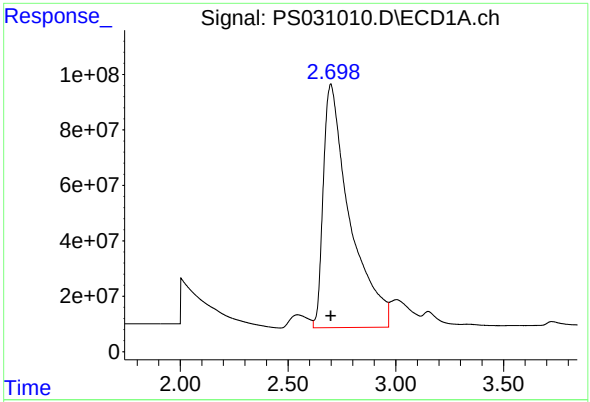
Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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







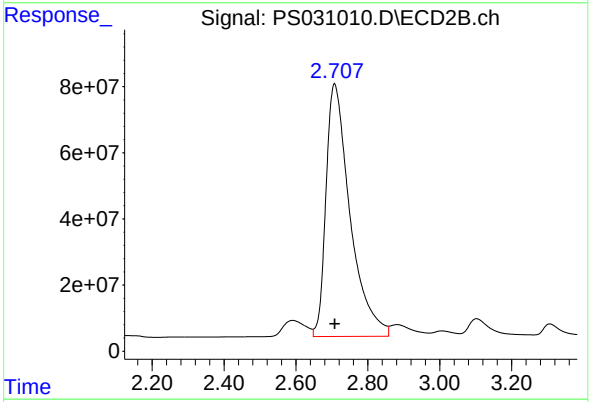
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: 0.000 min
Response: 7486531904
Conc: 1293.46 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

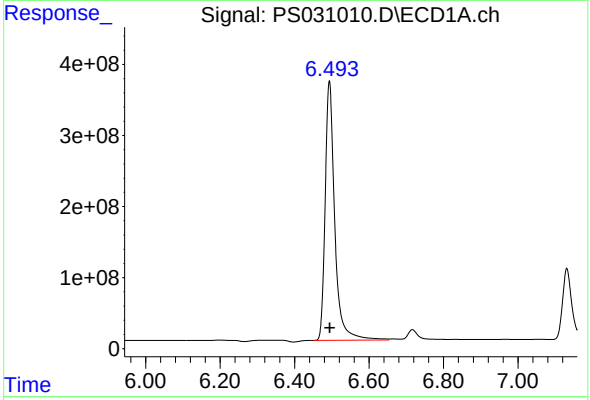
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



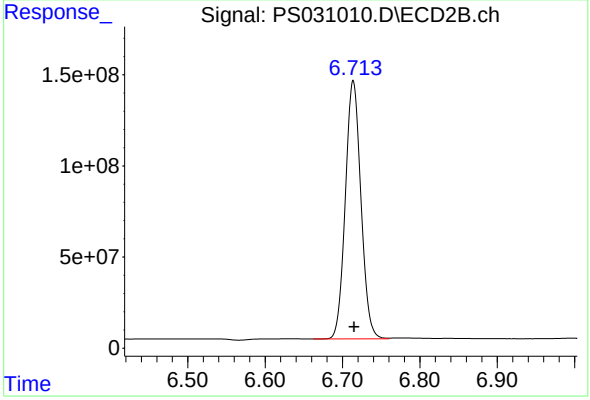
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: 0.000 min
Response: 3547892503
Conc: 1308.61 ng/ml



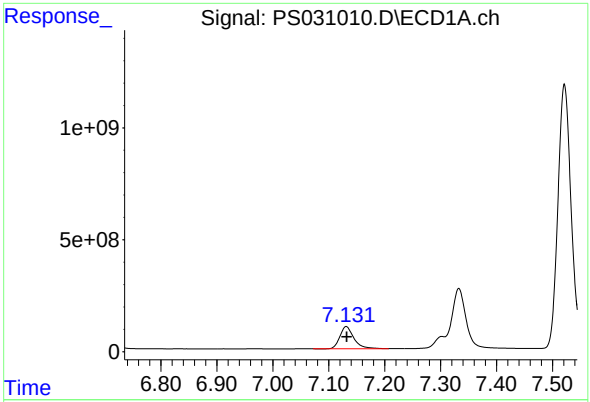
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 6524860091
Conc: 1309.06 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 1980574001
Conc: 1345.70 ng/ml



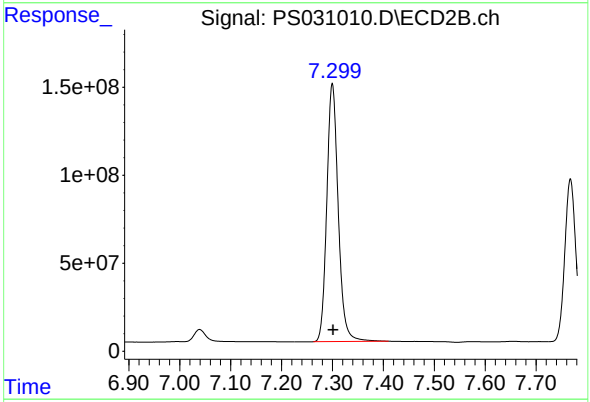
#3 4-Nitrophenol

R.T.: 7.131 min
Delta R.T.: -0.001 min
Response: 1725756193
Conc: 1339.37 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

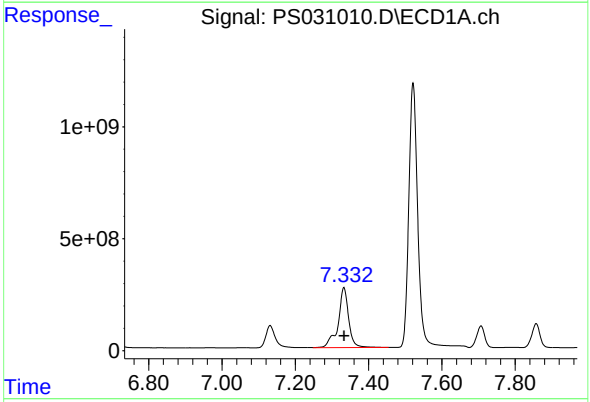
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



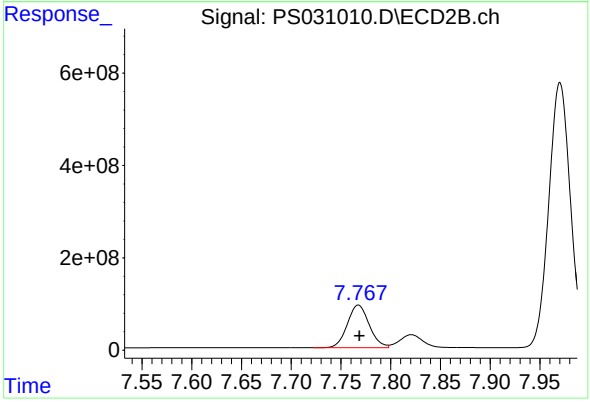
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.001 min
Response: 2292600688
Conc: 1366.26 ng/ml



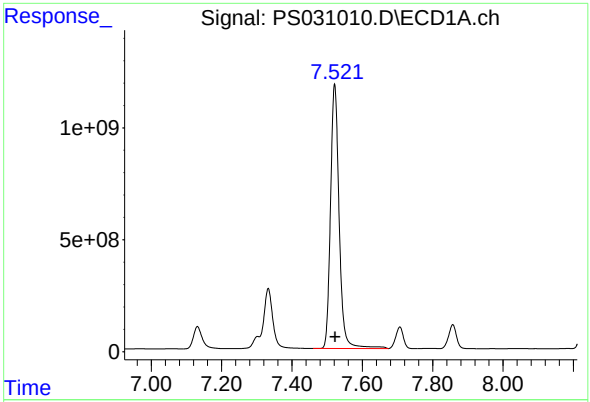
#4 2,4-DCAA

R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 5335831602
Conc: 1420.63 ng/ml m



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 1418147073
Conc: 1441.10 ng/ml



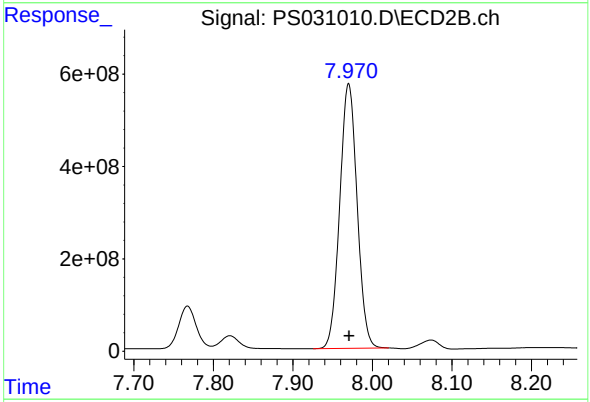
#5 DICAMBA

R.T.: 7.521 min
Delta R.T.: -0.001 min
Response: 20106636853
Conc: 1338.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

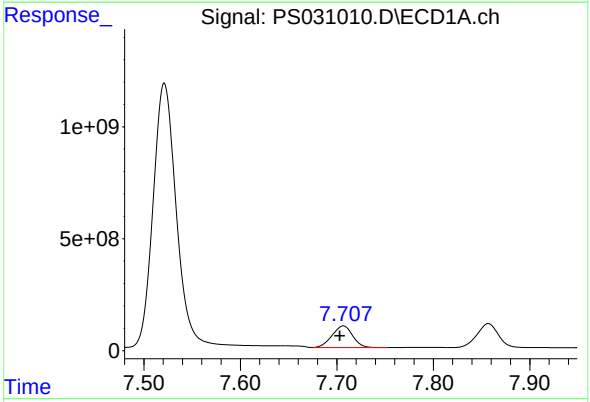
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



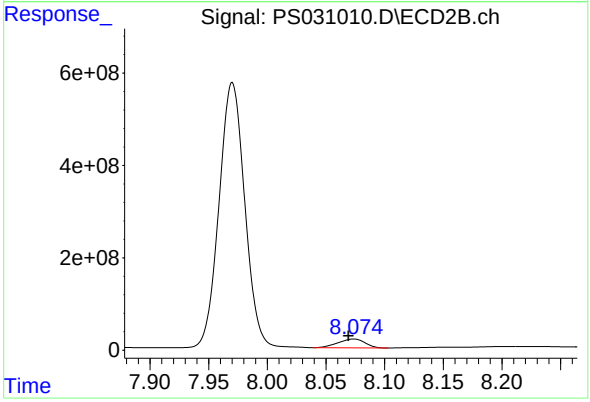
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 8697989555
Conc: 1389.23 ng/ml



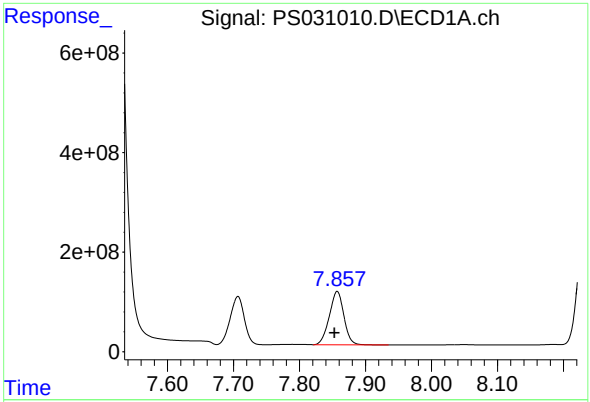
#6 MCPP

R.T.: 7.707 min
Delta R.T.: 0.004 min
Response: 1430619341
Conc: 154.78 ug/ml



#6 MCPP

R.T.: 8.074 min
Delta R.T.: 0.004 min
Response: 309124730
Conc: 144.61 ug/ml



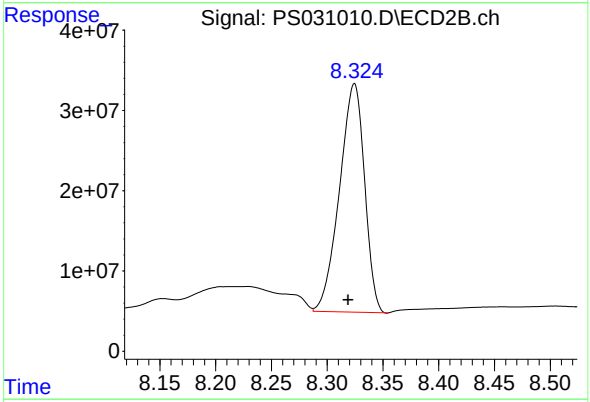
#7 MCPA

R.T.: 7.857 min
Delta R.T.: 0.004 min
Response: 1645689214
Conc: 153.13 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

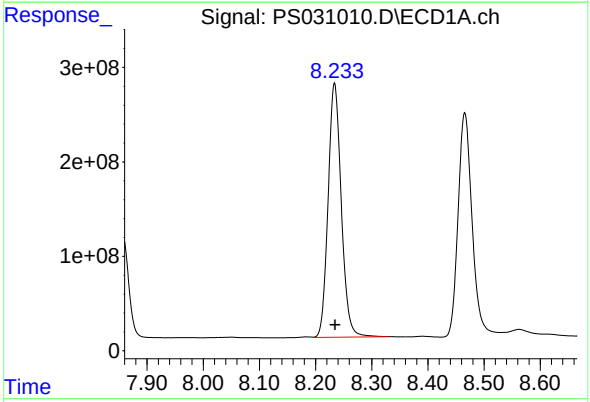
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



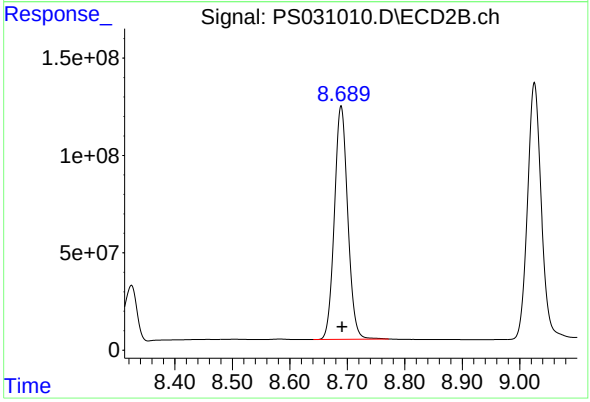
#7 MCPA

R.T.: 8.324 min
Delta R.T.: 0.005 min
Response: 445009528
Conc: 140.17 ug/ml



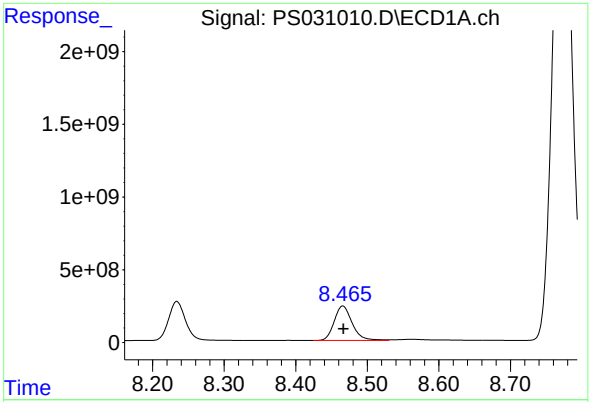
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 4381392344
Conc: 1359.27 ng/ml



#8 DICHLORPROP

R.T.: 8.689 min
Delta R.T.: -0.001 min
Response: 1928757923
Conc: 1334.42 ng/ml



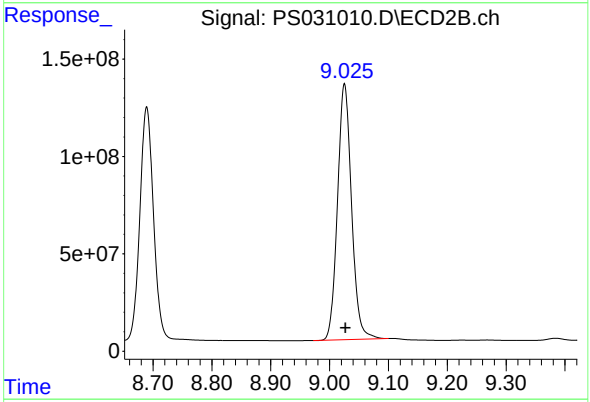
#9 2,4-D

R.T.: 8.466 min
Delta R.T.: -0.001 min
Response: 4148934902
Conc: 1415.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

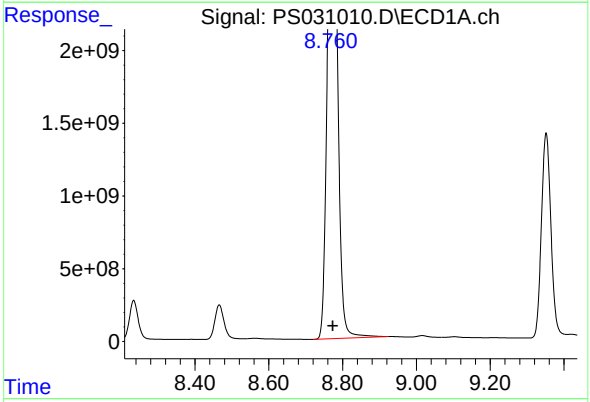
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



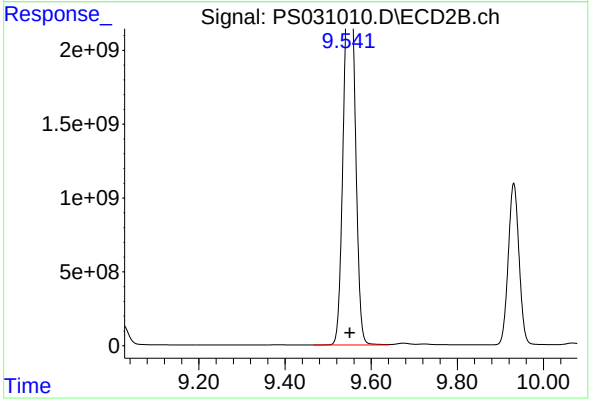
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: -0.001 min
Response: 2179642837
Conc: 1347.50 ng/ml



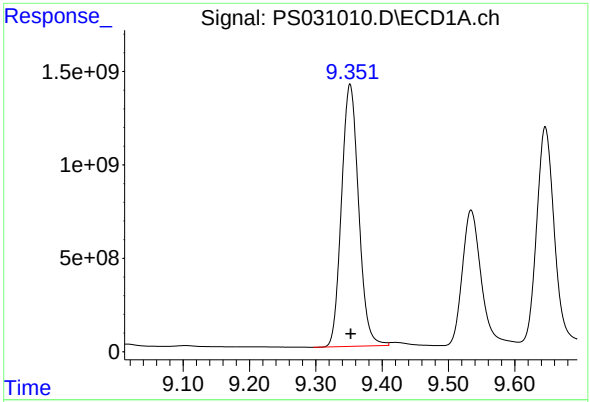
#10 Pentachlorophenol

R.T.: 8.782 min
Delta R.T.: 0.009 min
Response: 52777914102
Conc: 1034.67 ng/ml



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 46094585187
Conc: 1209.61 ng/ml



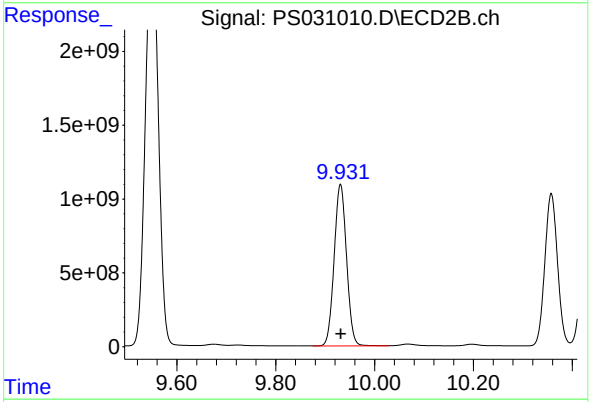
#11 2,4,5-TP (SILVEX)

R.T.: 9.352 min
Delta R.T.: -0.001 min
Response: 25168810645
Conc: 1383.74 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

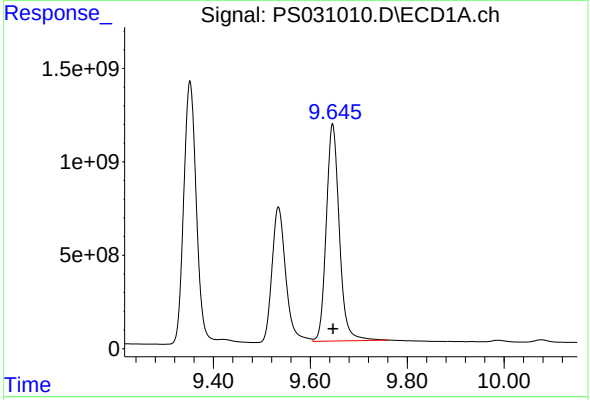
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



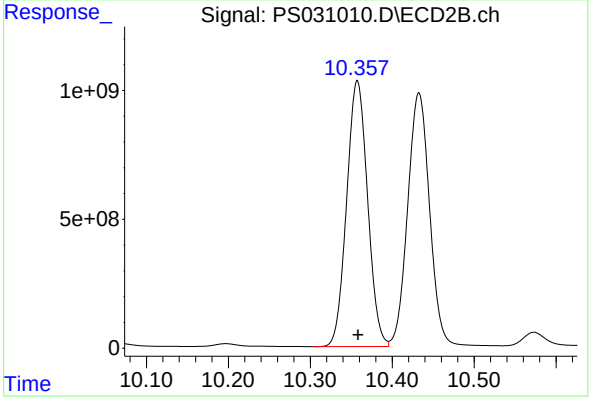
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 19018287889
Conc: 1341.72 ng/ml



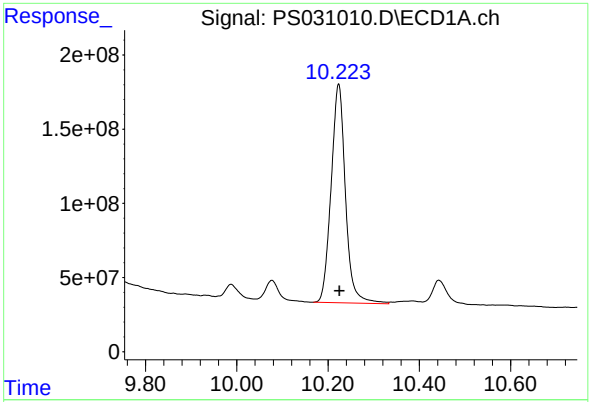
#12 2,4,5-T

R.T.: 9.646 min
Delta R.T.: 0.000 min
Response: 21706003287
Conc: 1463.93 ng/ml



#12 2,4,5-T

R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 18321856144
Conc: 1354.15 ng/ml



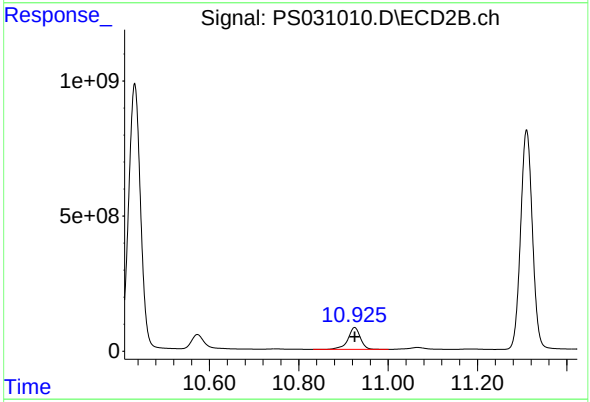
#13 2,4-DB

R.T.: 10.223 min
Delta R.T.: -0.002 min
Response: 3219255332
Conc: 1541.54 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

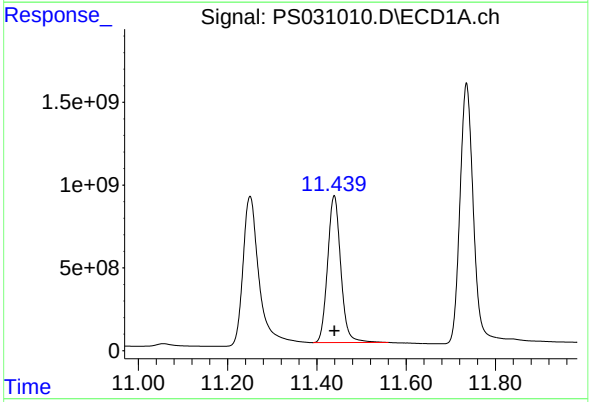
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



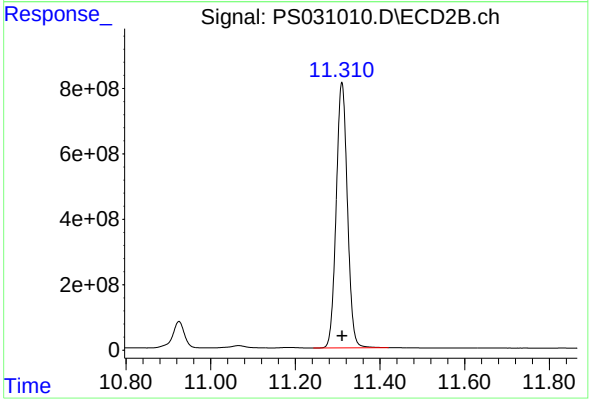
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 1559418116
Conc: 1384.86 ng/ml



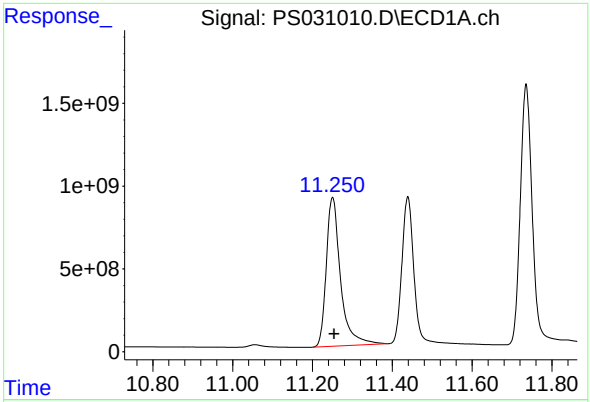
#14 DINOSEB

R.T.: 11.439 min
Delta R.T.: 0.000 min
Response: 18156696343
Conc: 1415.50 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 14885552877
Conc: 1363.32 ng/ml



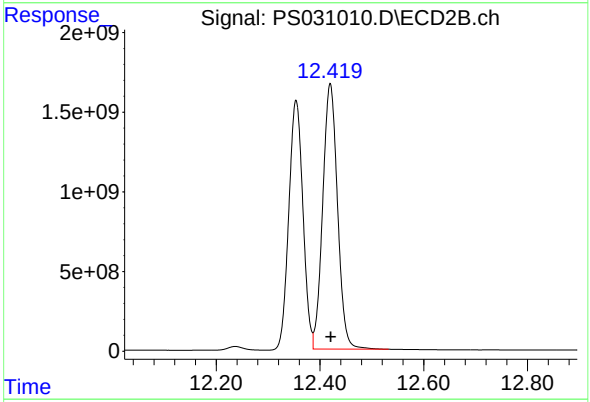
#15 Picloram

R.T.: 11.250 min
Delta R.T.: -0.003 min
Response: 22338978166
Conc: 1560.70 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

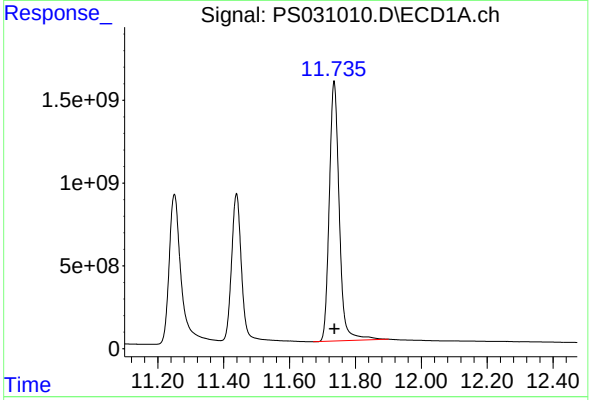
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



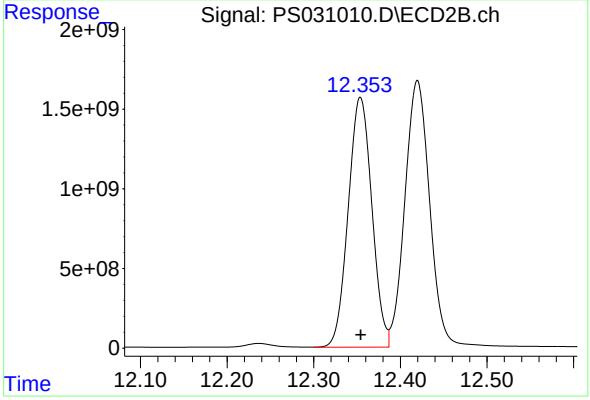
#15 Picloram

R.T.: 12.420 min
Delta R.T.: -0.001 min
Response: 32971484278
Conc: 1414.18 ng/ml



#16 DCPA

R.T.: 11.735 min
Delta R.T.: 0.000 min
Response: 32997699560
Conc: 1411.65 ng/ml



#16 DCPA

R.T.: 12.353 min
Delta R.T.: 0.000 min
Response: 29826346006
Conc: 1359.69 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 18:00
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS071125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 06:06:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.332	7.768	2825.0E6	731.4E6	714.274	705.963
	Target Compounds						
1) T	Dalapon	2.695	2.706	3939.2E6	1843.1E6	646.655	648.311
2) T	3,5-DICHL...	6.493	6.714	3460.4E6	1019.8E6	660.550	657.810
3) T	4-Nitroph...	7.132	7.301	889.5E6	1143.6E6	658.879	655.777
5) T	DICAMBA	7.521	7.970	10533.5E6	4396.1E6	671.311	678.778
6) T	MCPP	7.703	8.069	652.1E6	151.4E6	70.866	70.806
7) T	MCPA	7.852	8.318	753.4E6	219.4E6	69.076	68.455
8) T	DICHLORPROP	8.234	8.690	2289.8E6	1012.0E6	672.461	666.146
9) T	2,4-D	8.466	9.026	2119.0E6	1134.8E6	688.327	667.745
10) T	Pentachlo...	8.772	9.550	36604.6E6	27066.6E6	728.282	702.389
11) T	2,4,5-TP ...	9.351	9.931	13144.8E6	10082.1E6	706.301	686.990
12) T	2,4,5-T	9.646	10.358	10944.0E6	9628.3E6	719.369	688.141
13) T	2,4-DB	10.224	10.926	1553.9E6	805.1E6	715.821	680.422
14) T	DINOSEB	11.439	11.311	9337.6E6	7679.2E6	708.255	676.490
15) T	Picloram	11.253	12.421	10790.8E6	16807.3E6	740.520	715.792
16) T	DCPA	11.736	12.354	17450.4E6	15781.9E6	729.009	699.801

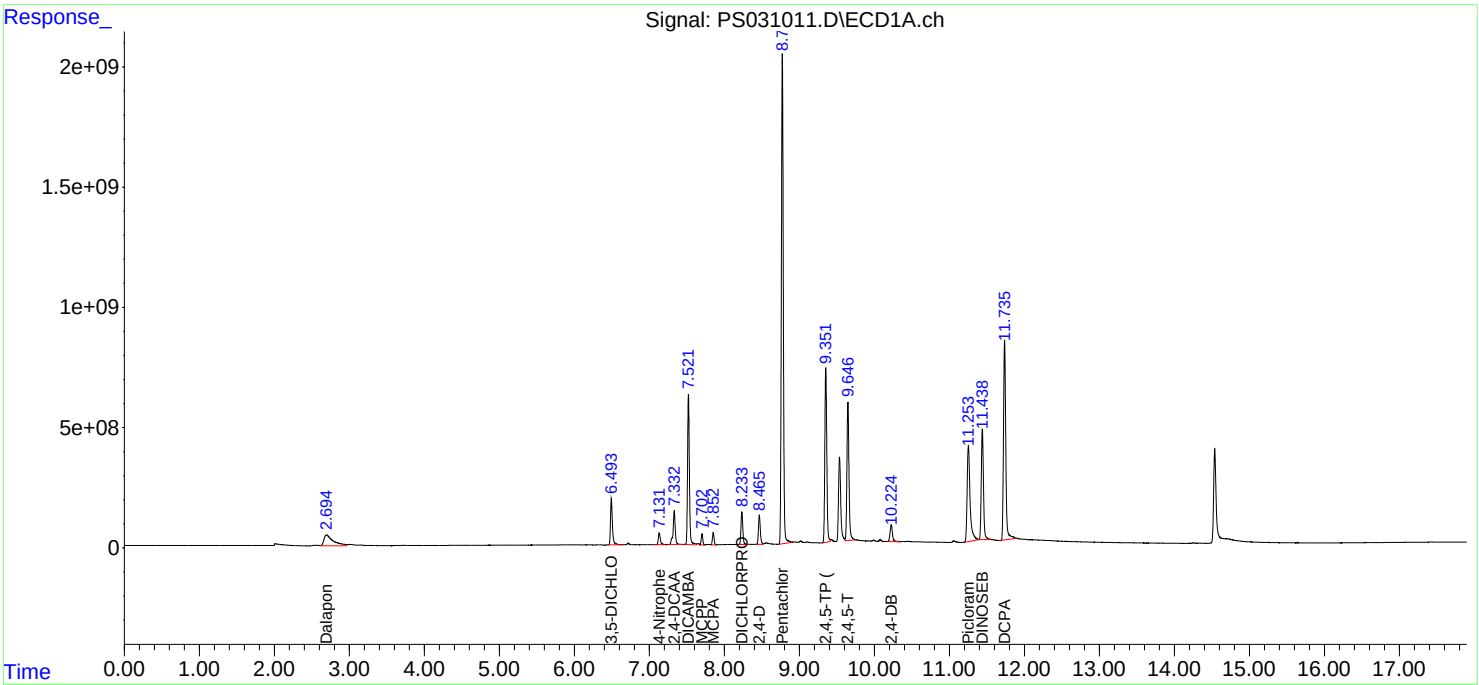
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

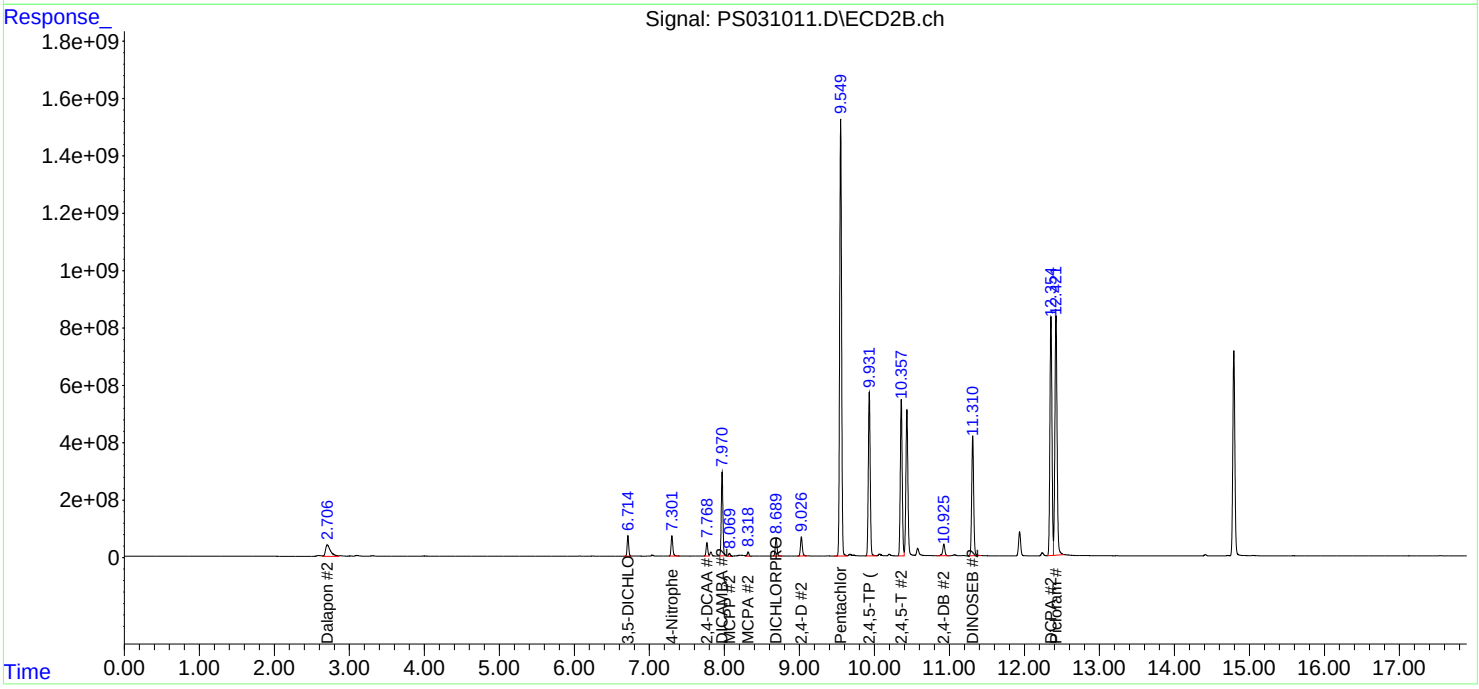
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 18:00
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

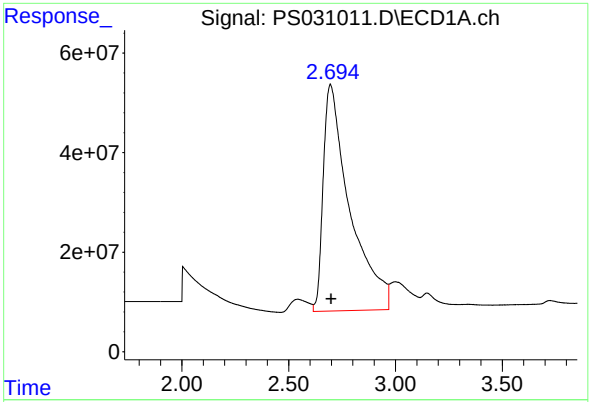
Instrument :
ECD_S
ClientSampleId :
ICVPS071125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 06:06:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



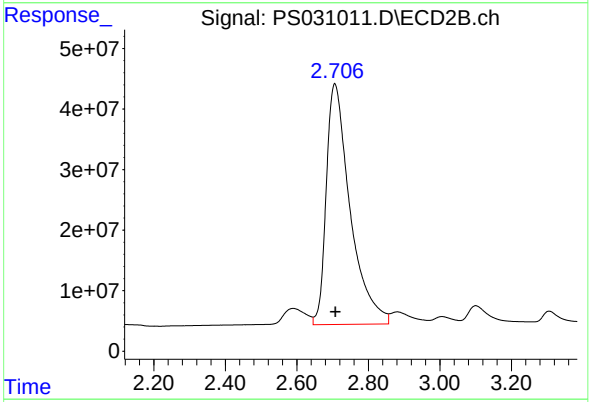




#1 Dalapon

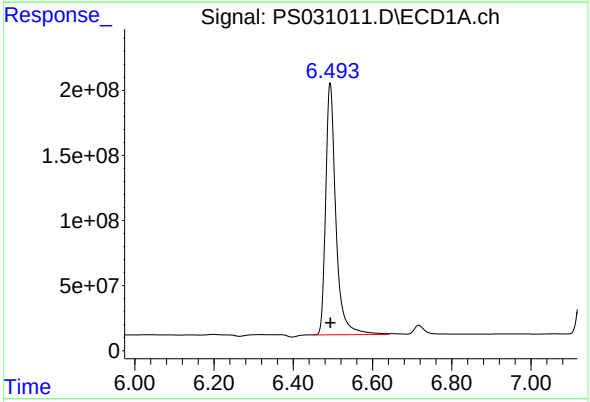
R.T.: 2.695 min
Delta R.T.: -0.003 min
Response: 3939241593
Conc: 646.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



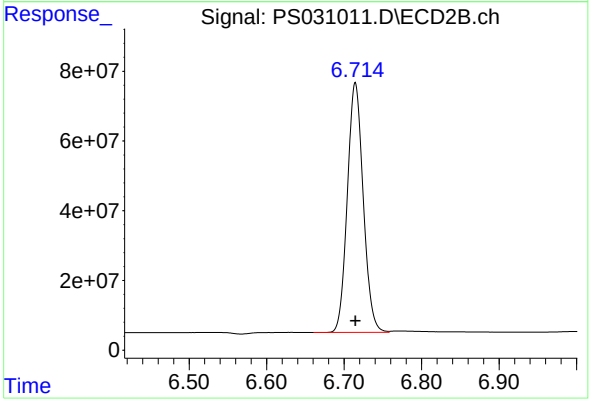
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: -0.002 min
Response: 1843056084
Conc: 648.31 ng/ml



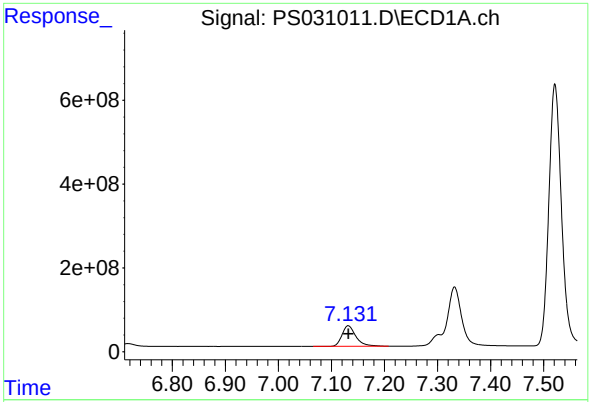
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 3460359678
Conc: 660.55 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

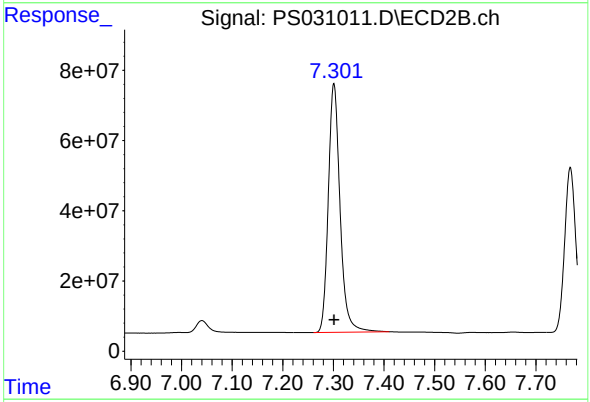
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 1019827848
Conc: 657.81 ng/ml



#3 4-Nitrophenol

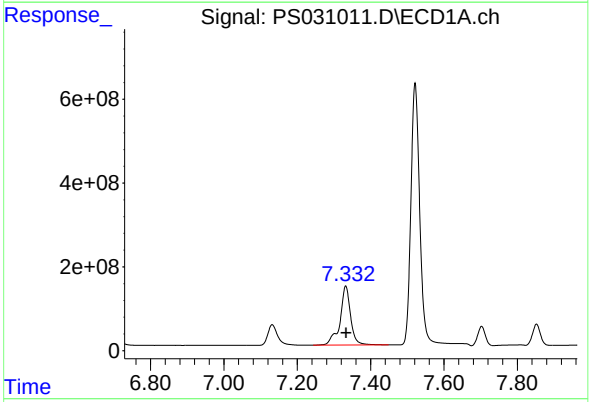
R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 889491386
Conc: 658.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



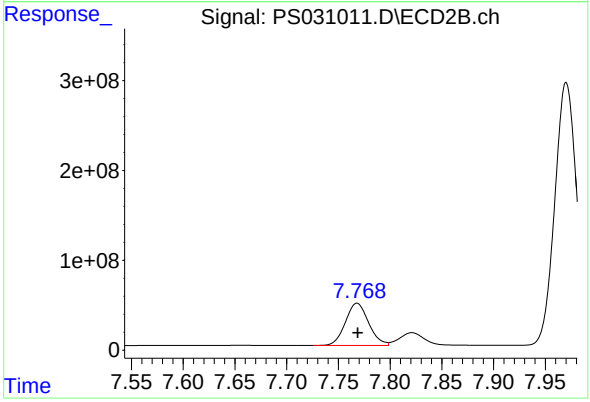
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1143602772
Conc: 655.78 ng/ml



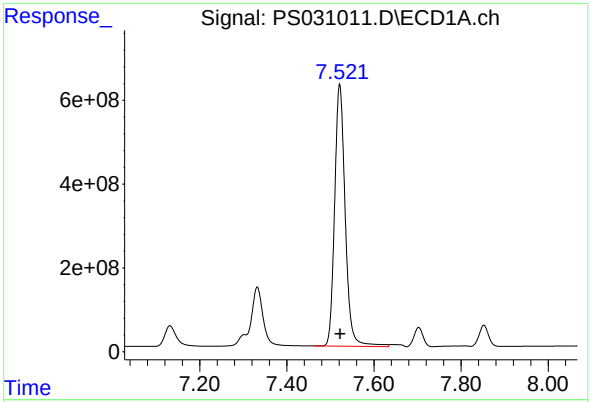
#4 2,4-DCAA

R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 2825007092
Conc: 714.27 ng/ml



#4 2,4-DCAA

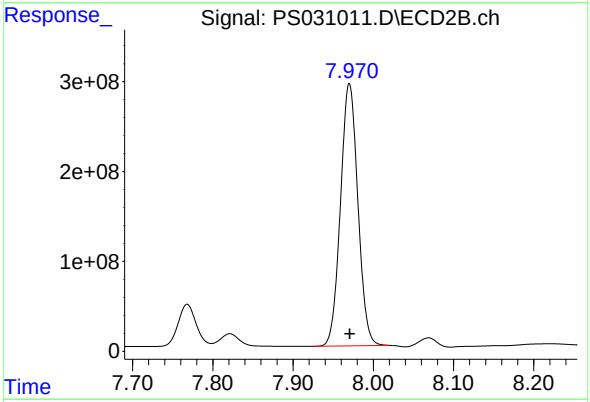
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 731400309
Conc: 705.96 ng/ml



#5 DICAMBA

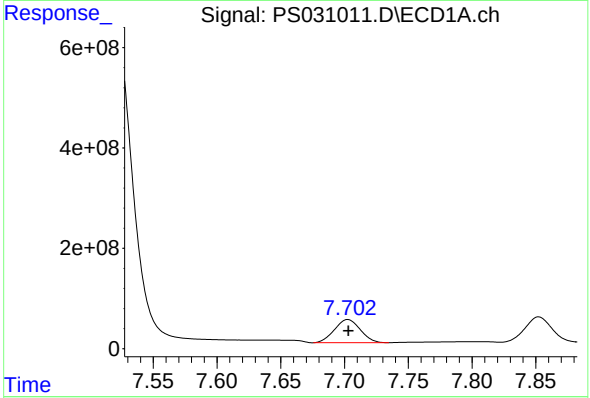
R.T.: 7.521 min
Delta R.T.: -0.001 min
Response: 10533479624
Conc: 671.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



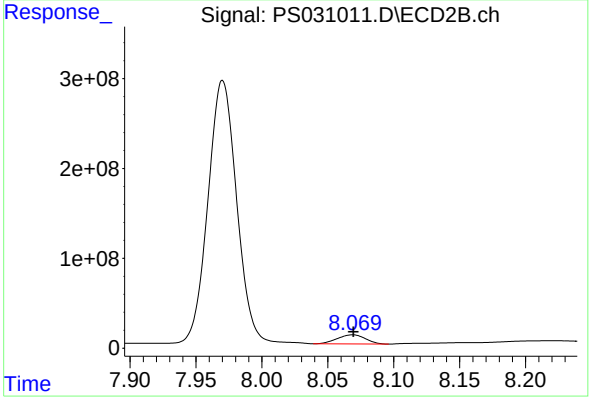
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 4396050282
Conc: 678.78 ng/ml



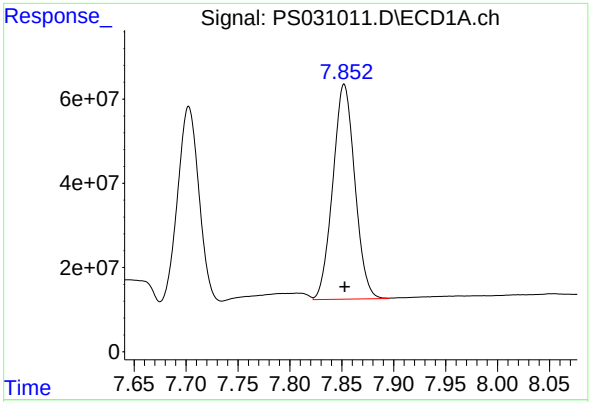
#6 MCPP

R.T.: 7.703 min
Delta R.T.: 0.000 min
Response: 652061086
Conc: 70.87 ug/ml



#6 MCPP

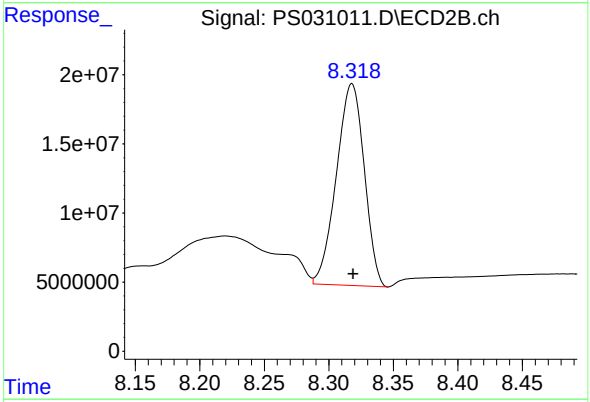
R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 151378576
Conc: 70.81 ug/ml



#7 MCPA

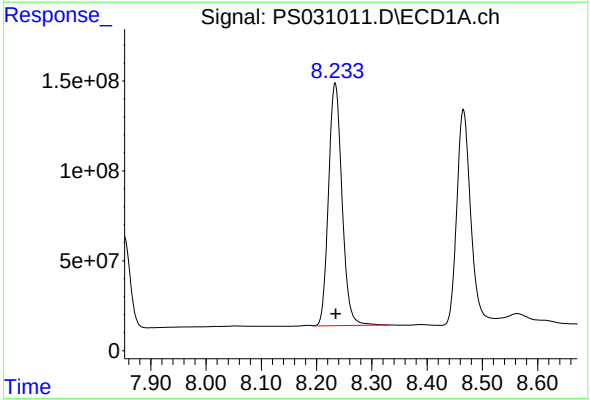
R.T.: 7.852 min
Delta R.T.: 0.000 min
Response: 753393992
Conc: 69.08 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



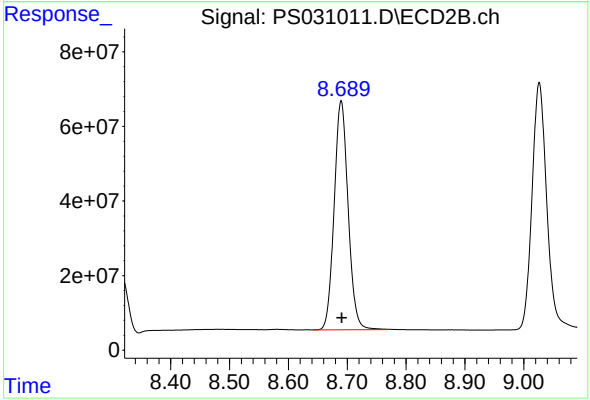
#7 MCPA

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 219442949
Conc: 68.45 ug/ml



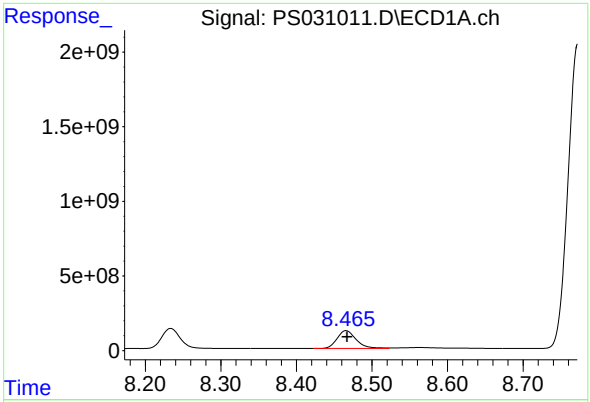
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: -0.001 min
Response: 2289832914
Conc: 672.46 ng/ml



#8 DICHLORPROP

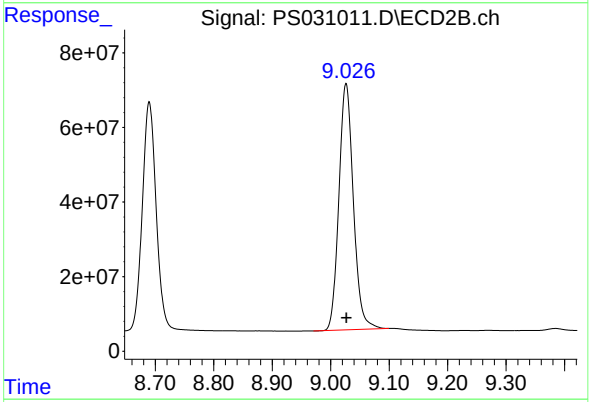
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 1012049973
Conc: 666.15 ng/ml



#9 2,4-D

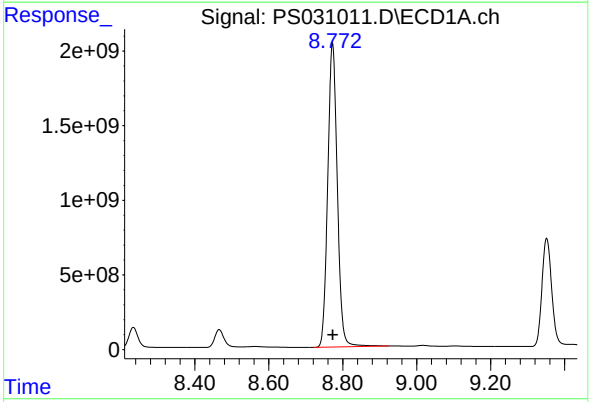
R.T.: 8.466 min
Delta R.T.: -0.001 min
Response: 2118970263
Conc: 688.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



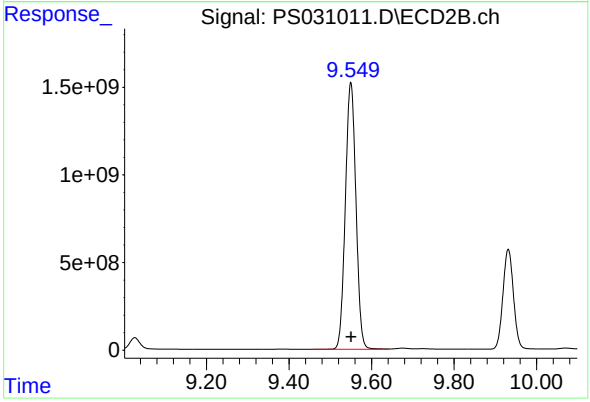
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 1134808824
Conc: 667.74 ng/ml



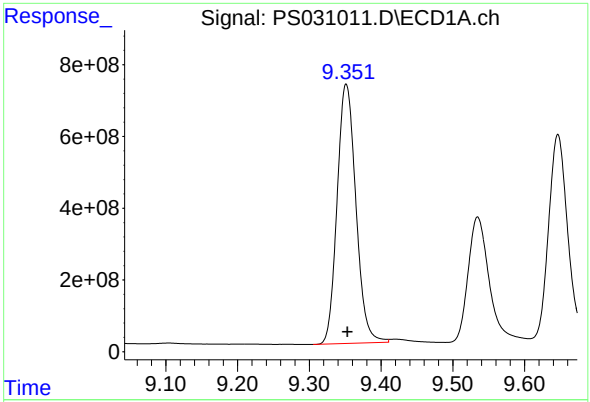
#10 Pentachlorophenol

R.T.: 8.772 min
Delta R.T.: 0.000 min
Response: 36604568480
Conc: 728.28 ng/ml



#10 Pentachlorophenol

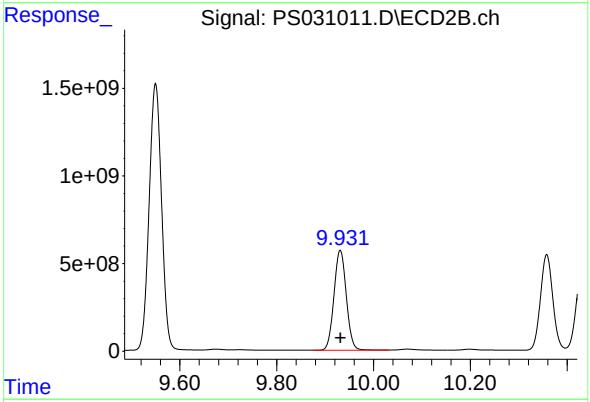
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 27066602168
Conc: 702.39 ng/ml



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

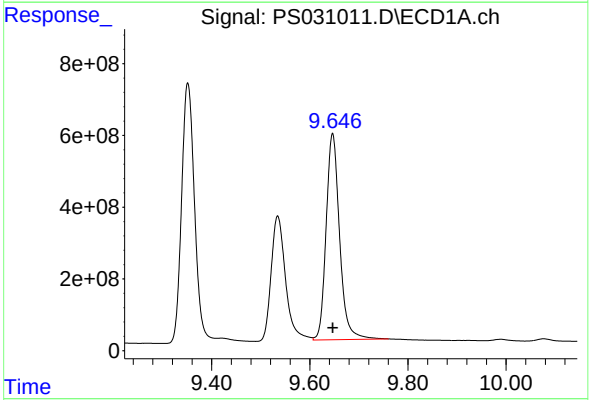
R.T.: 9.351 min
Delta R.T.: -0.002 min
Response: 13144771254
Conc: 706.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



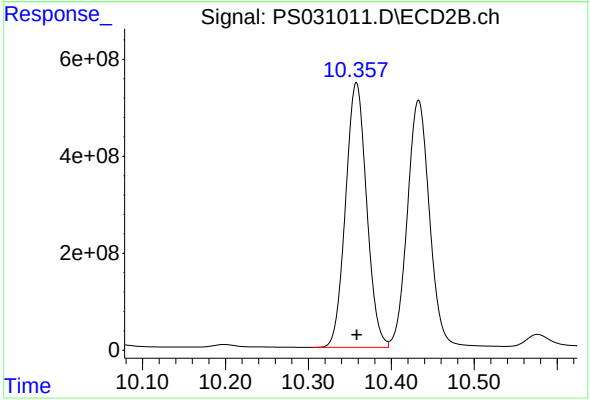
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 10082108627
Conc: 686.99 ng/ml



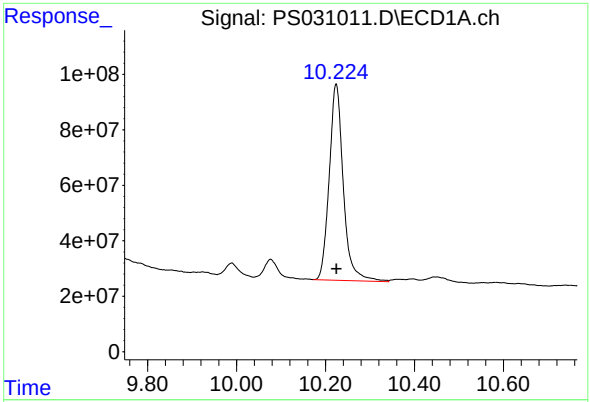
#12 2,4,5-T

R.T.: 9.646 min
Delta R.T.: 0.000 min
Response: 10943995457
Conc: 719.37 ng/ml



#12 2,4,5-T

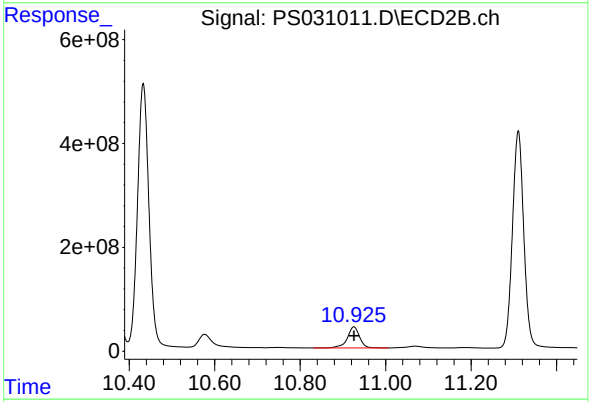
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 9628344065
Conc: 688.14 ng/ml



#13 2,4-DB

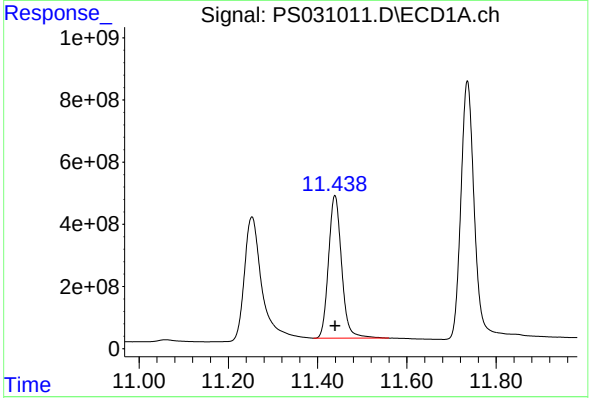
R.T.: 10.224 min
Delta R.T.: -0.001 min
Response: 1553895938
Conc: 715.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



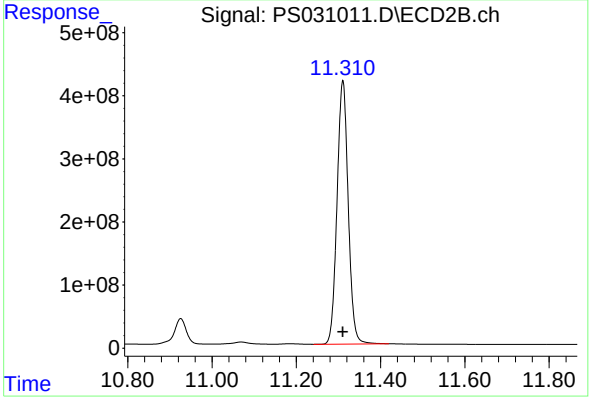
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 805063318
Conc: 680.42 ng/ml



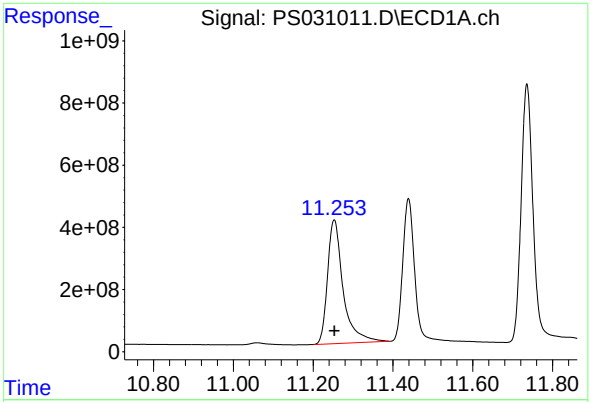
#14 DINOSEB

R.T.: 11.439 min
Delta R.T.: 0.000 min
Response: 9337559202
Conc: 708.25 ng/ml



#14 DINOSEB

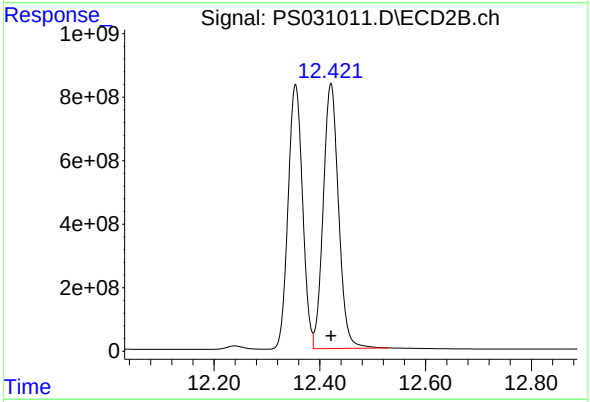
R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 7679188292
Conc: 676.49 ng/ml



#15 Picloram

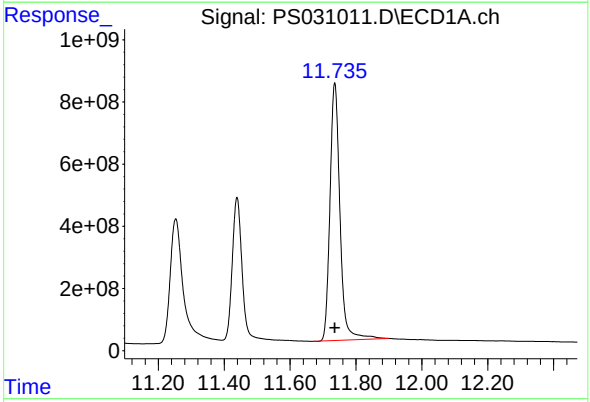
R.T.: 11.253 min
Delta R.T.: 0.000 min
Response: 10790812756
Conc: 740.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS071125



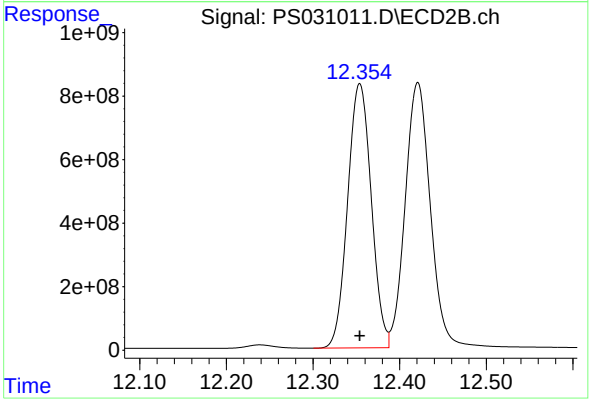
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 16807258063
Conc: 715.79 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 17450415405
Conc: 729.01 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 15781896033
Conc: 699.80 ng/ml

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.: Q2558
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.: Q2558
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

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.: Q2558
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

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.: Q2558
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)

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

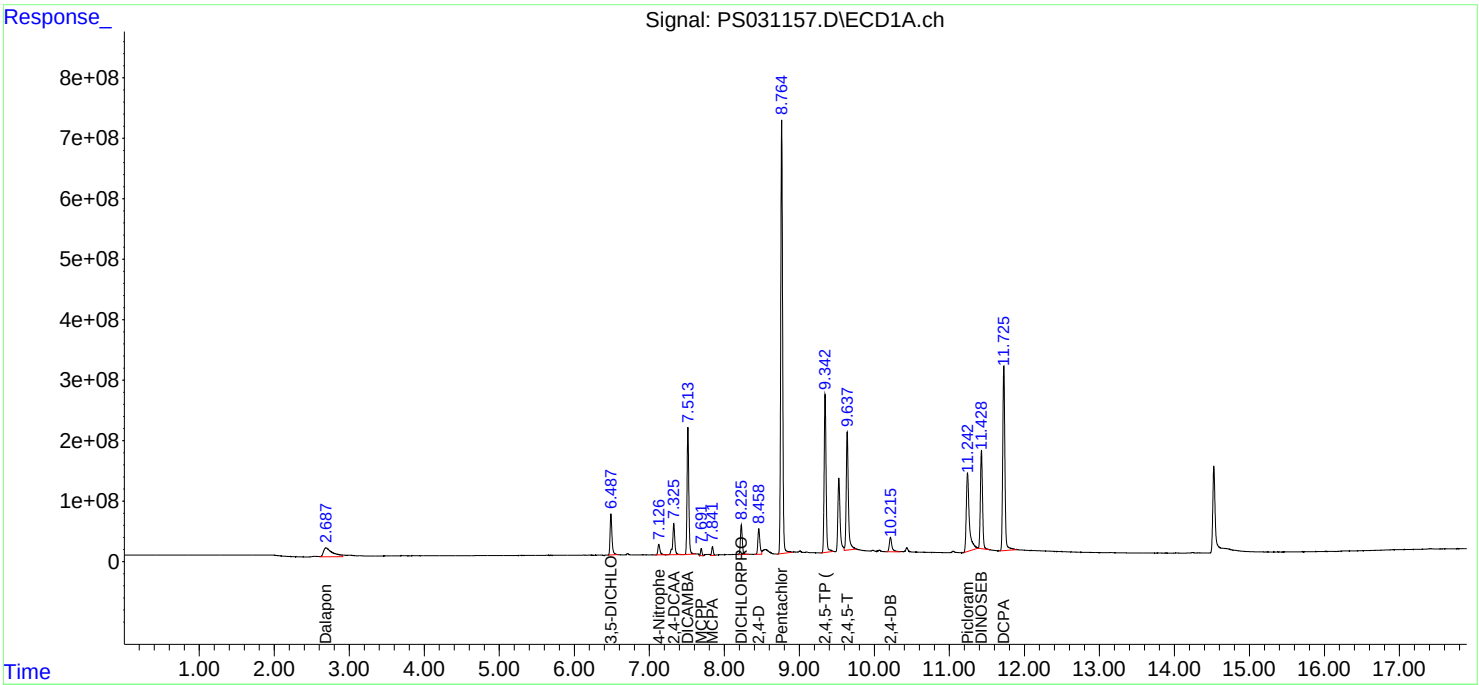
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

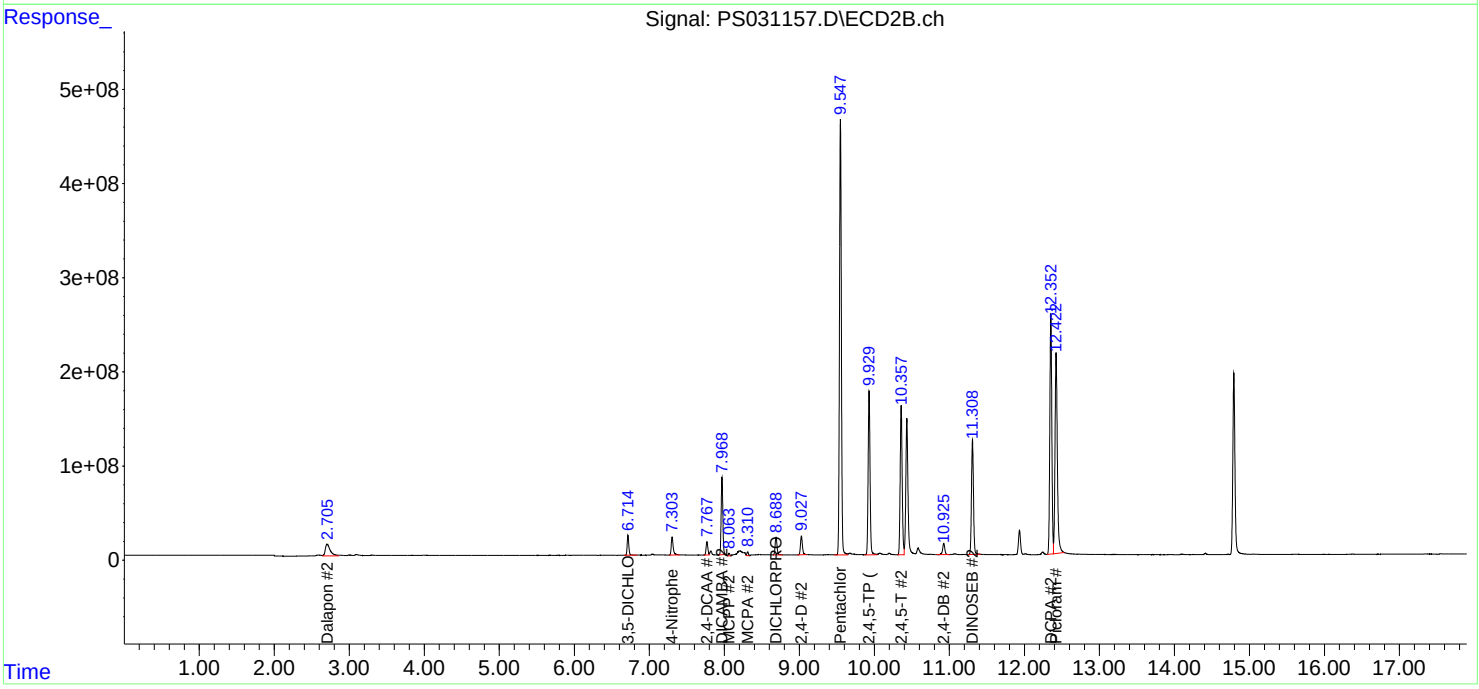
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031157.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:02
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

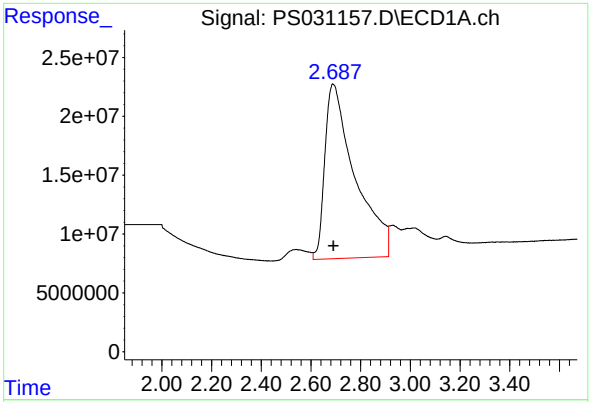
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

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 0.25µm



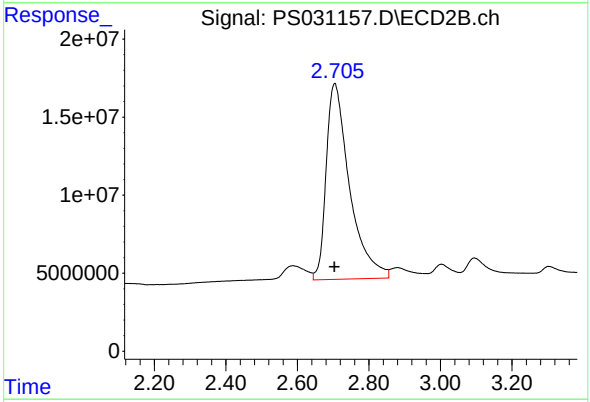




#1 Dalapon

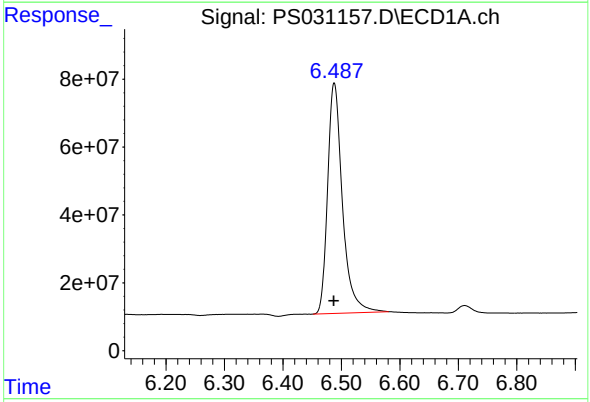
R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 1249018178
Conc: 201.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



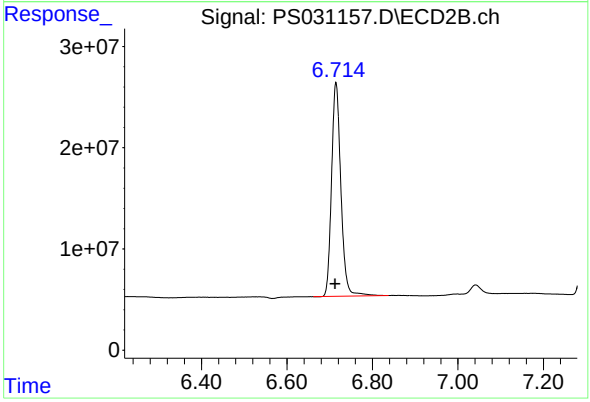
#1 Dalapon

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



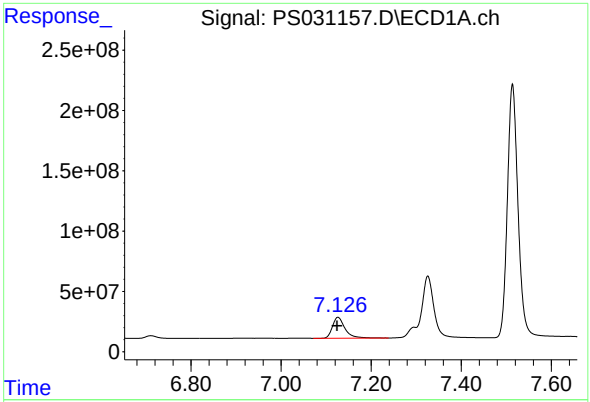
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

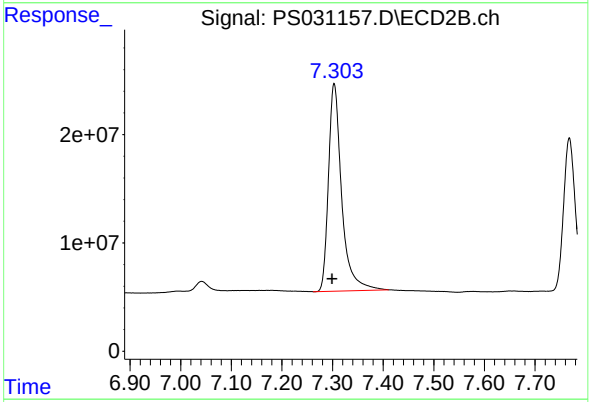
R.T.: 6.715 min
Delta R.T.: 0.002 min
Response: 320502490
Conc: 215.12 ng/ml



#3 4-Nitrophenol

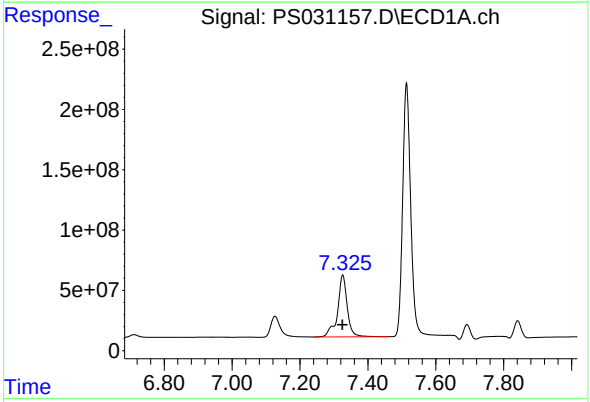
R.T.: 7.126 min
Delta R.T.: 0.002 min
Response: 335551168
Conc: 209.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



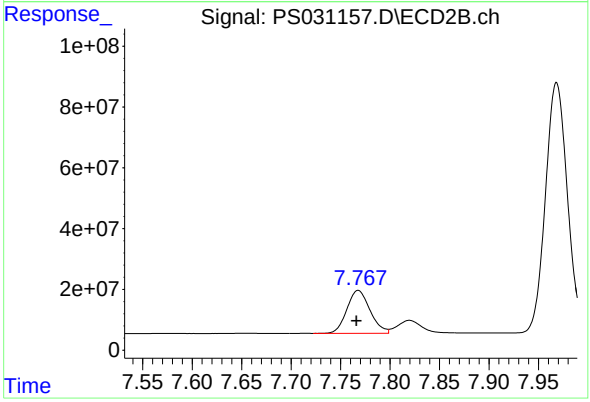
#3 4-Nitrophenol

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



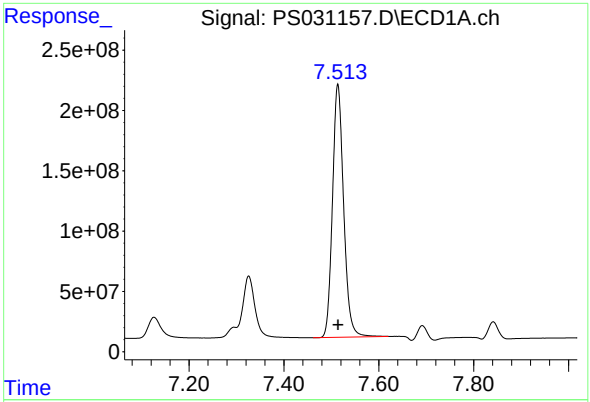
#4 2,4-DCAA

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



#4 2,4-DCAA

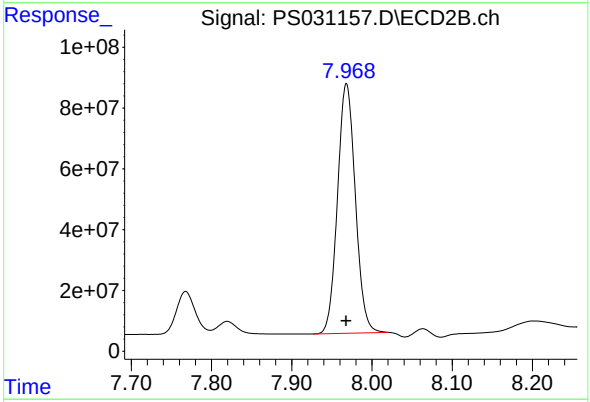
R.T.: 7.768 min
Delta R.T.: 0.002 min
Response: 229461022
Conc: 232.16 ng/ml



#5 DICAMBA

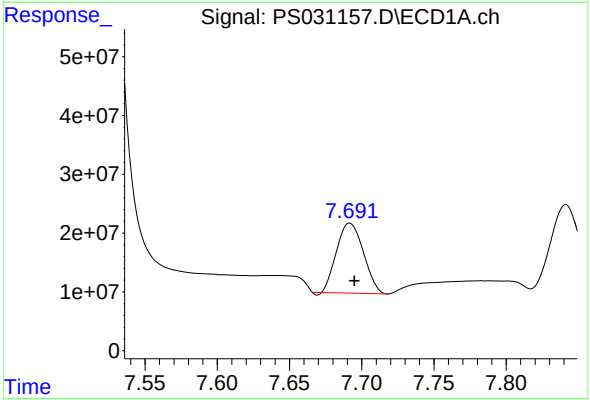
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 3423245167
Conc: 210.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



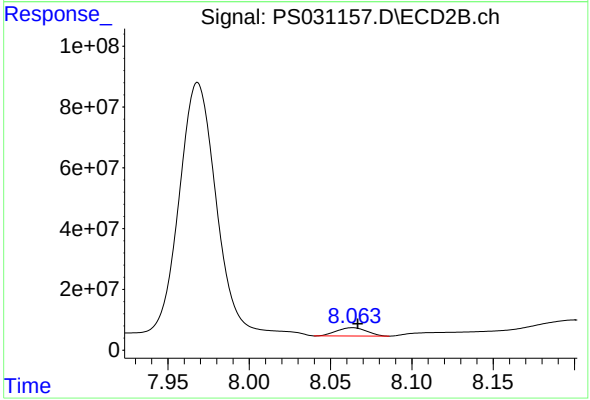
#5 DICAMBA

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



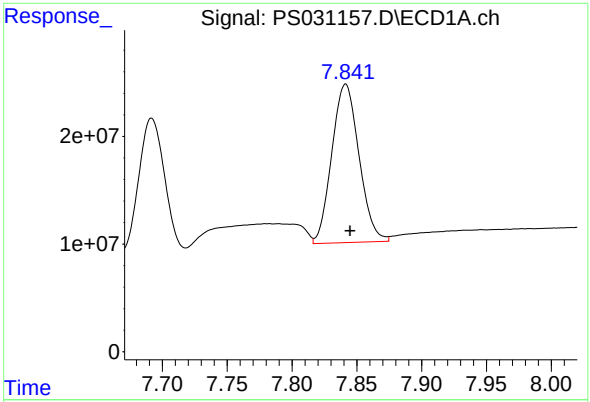
#6 MCPP

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



#6 MCPP

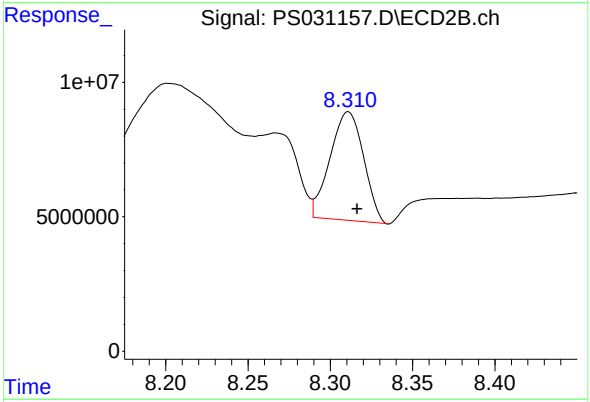
R.T.: 8.063 min
Delta R.T.: -0.003 min
Response: 34811617
Conc: 16.28 ug/ml



#7 MCPA

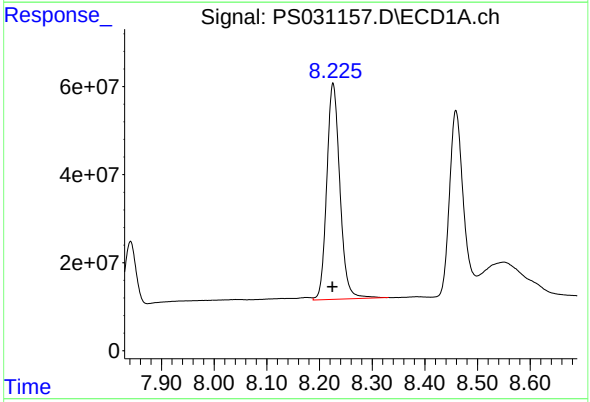
R.T.: 7.841 min
Delta R.T.: -0.003 min
Response: 215377008
Conc: 17.13 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



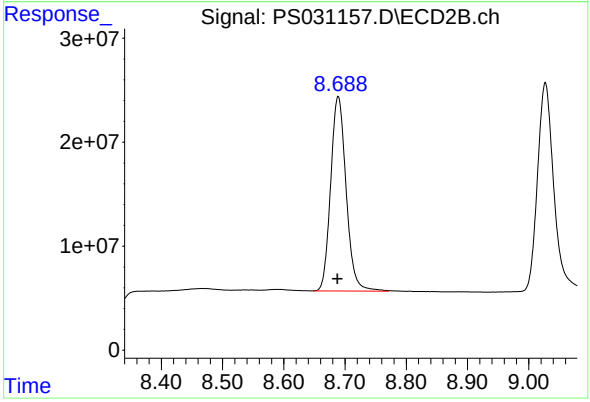
#7 MCPA

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



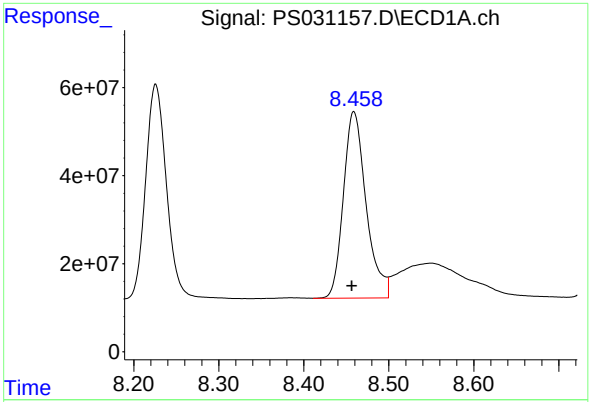
#8 DICHLORPROP

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



#8 DICHLORPROP

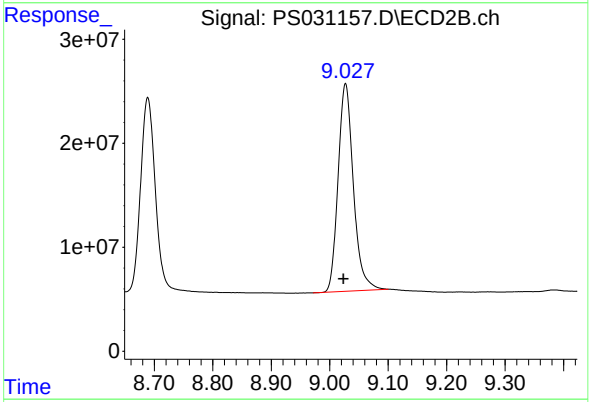
R.T.: 8.689 min
Delta R.T.: 0.001 min
Response: 328001670
Conc: 222.62 ng/ml



#9 2,4-D

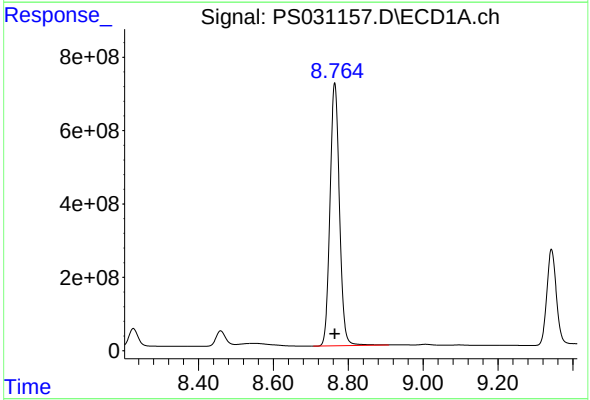
R.T.: 8.459 min
Delta R.T.: 0.003 min
Response: 788445719
Conc: 215.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



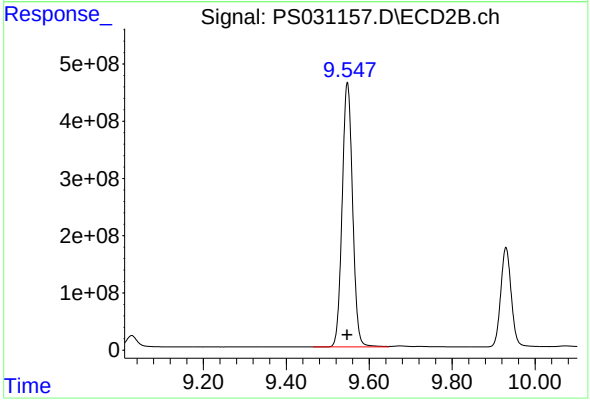
#9 2,4-D

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



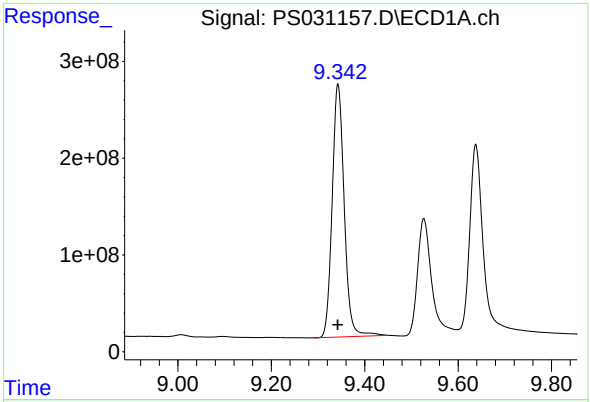
#10 Pentachlorophenol

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



#10 Pentachlorophenol

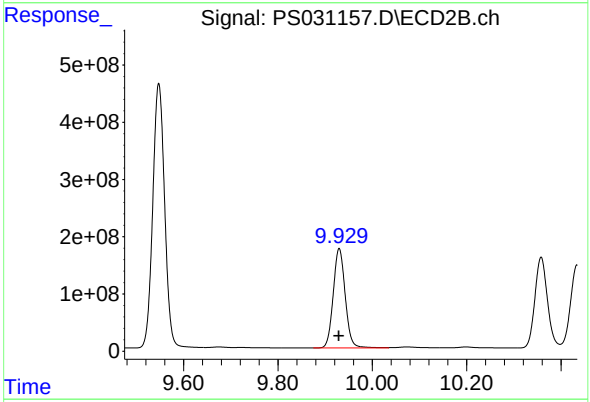
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 8086509060
Conc: 202.36 ng/ml



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

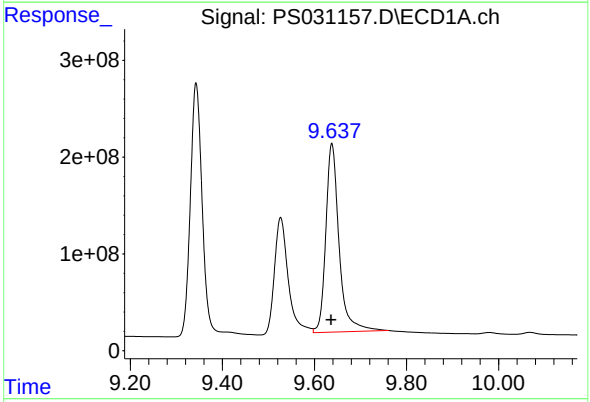
R.T.: 9.343 min
Delta R.T.: 0.001 min
Response: 4672594463
Conc: 215.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



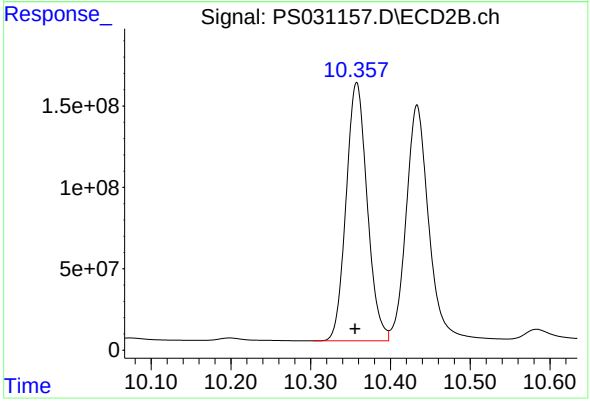
#11 2,4,5-TP (SILVEX)

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



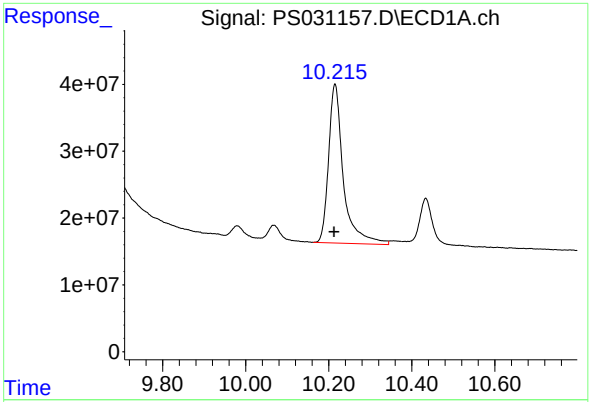
#12 2,4,5-T

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



#12 2,4,5-T

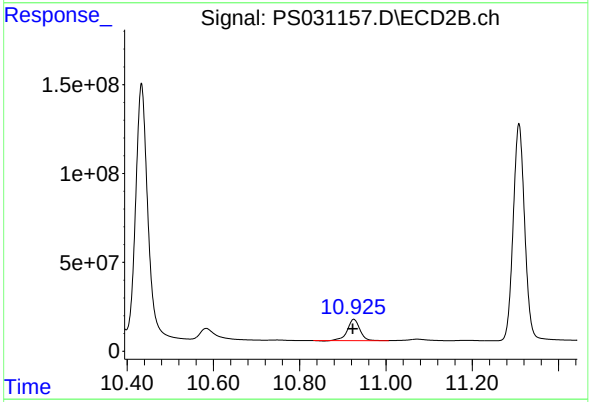
R.T.: 10.358 min
Delta R.T.: 0.002 min
Response: 2914739433
Conc: 205.89 ng/ml



#13 2,4-DB

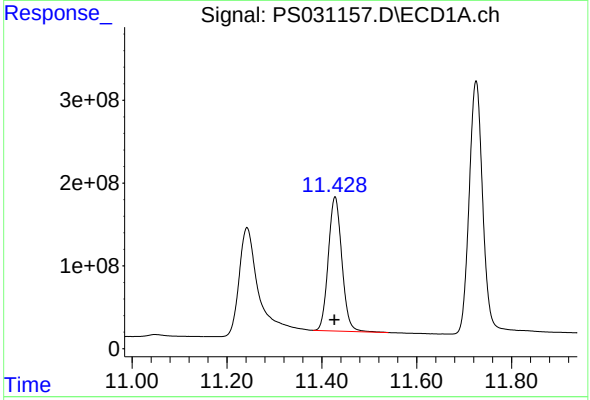
R.T.: 10.215 min
Delta R.T.: 0.002 min
Response: 587521205
Conc: 198.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



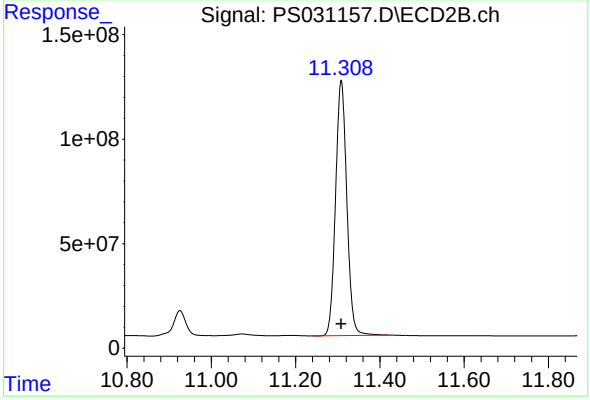
#13 2,4-DB

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



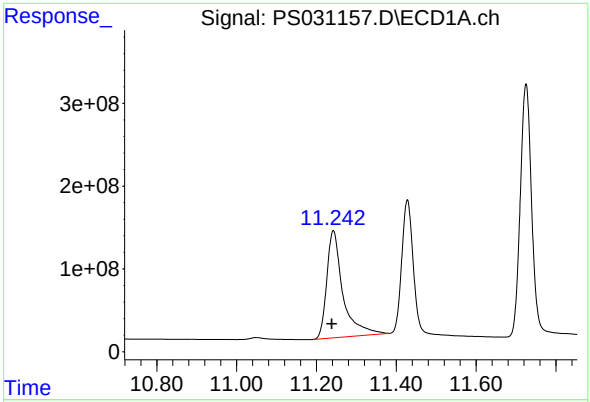
#14 DINOSEB

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



#14 DINOSEB

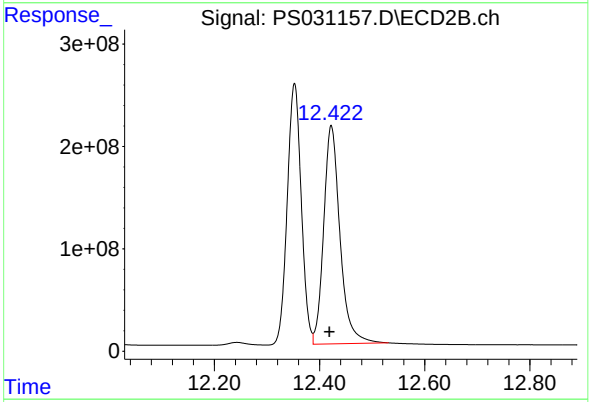
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 2260524674
Conc: 201.01 ng/ml



#15 Picloram

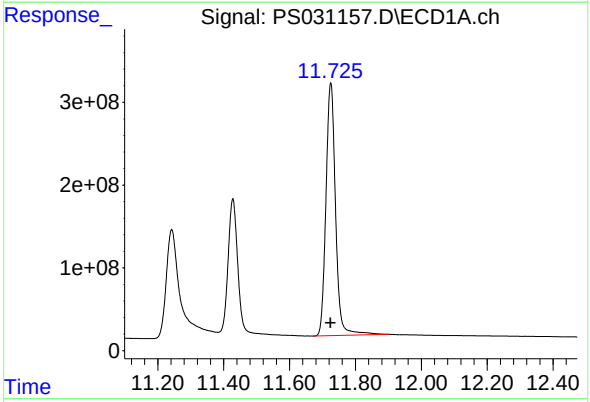
R.T.: 11.242 min
Delta R.T.: 0.004 min
Response: 3638645085
Conc: 180.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



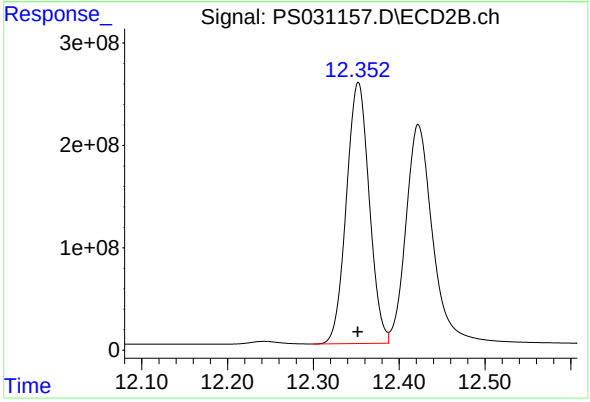
#15 Picloram

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)

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.

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

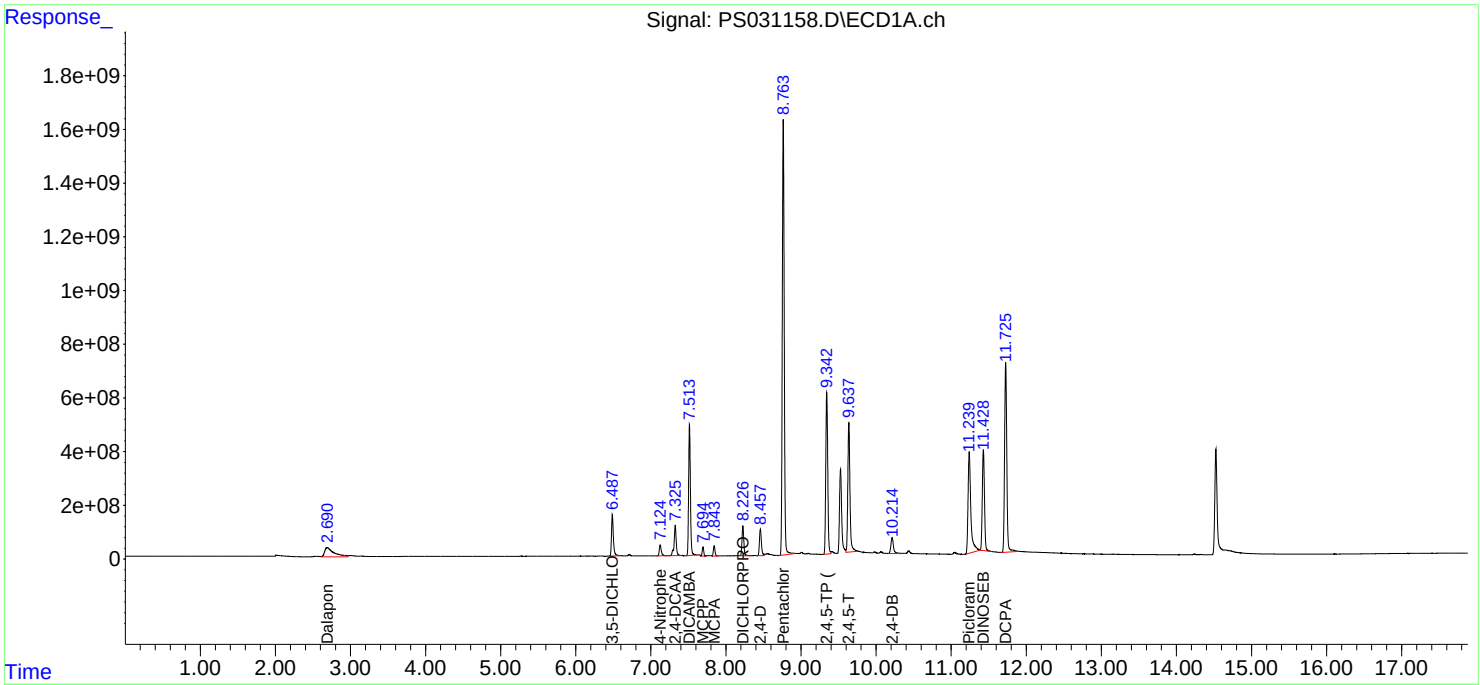
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

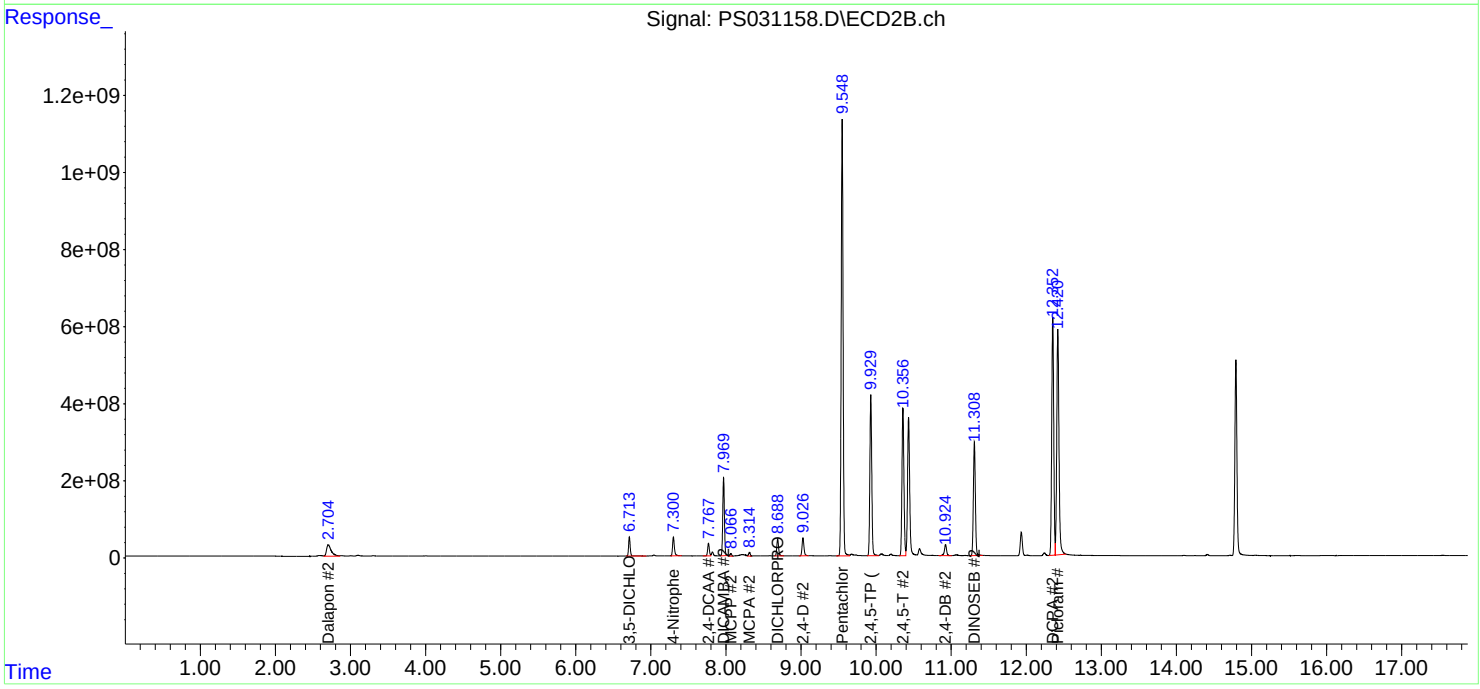
Manual Integrations APPROVED

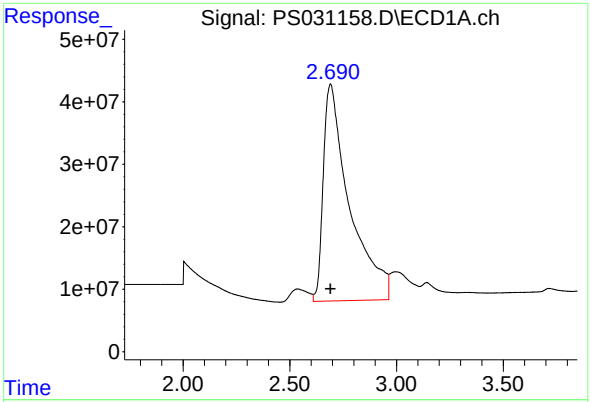
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

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







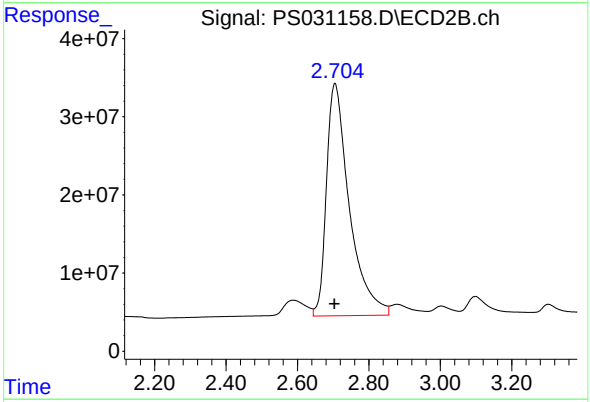
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

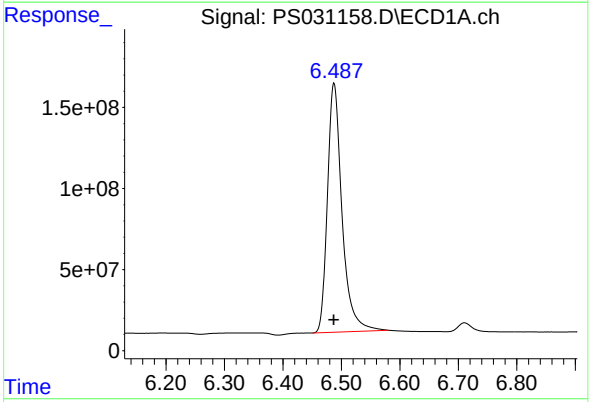
Manual Integrations APPROVED

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



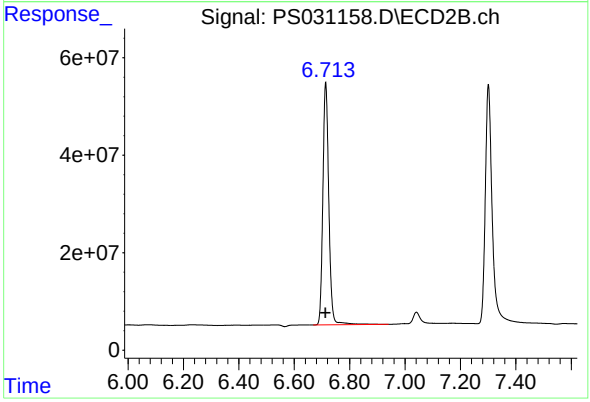
#1 Dalapon

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



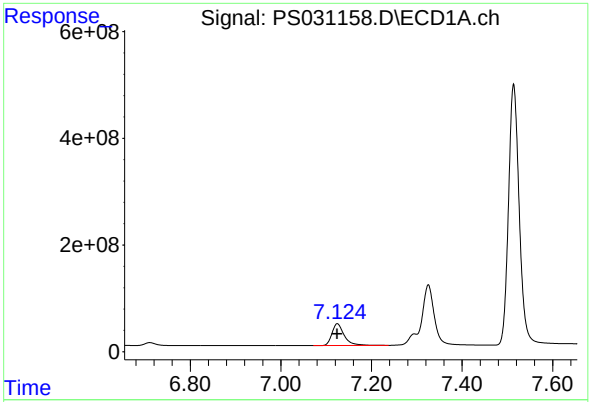
#2 3,5-DICHLOROBENZOIC ACID

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



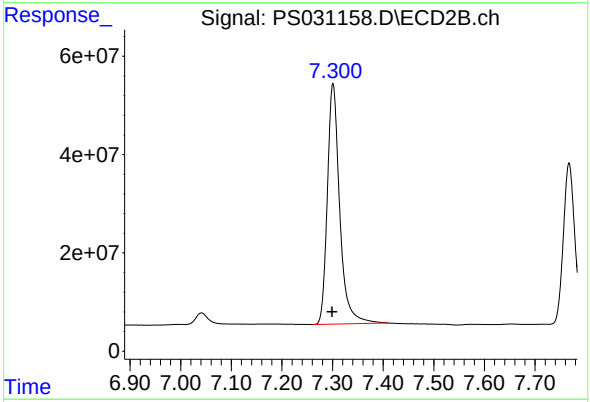
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

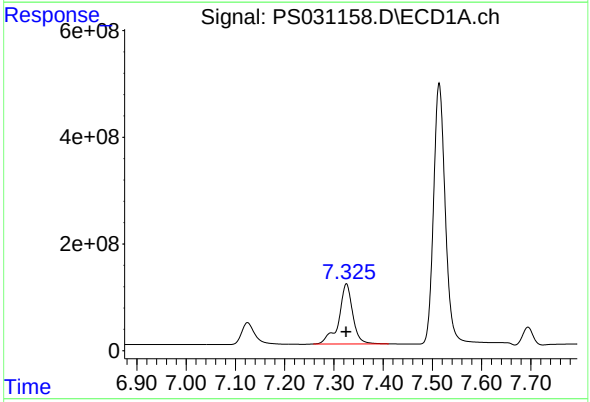
Manual Integrations APPROVED

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



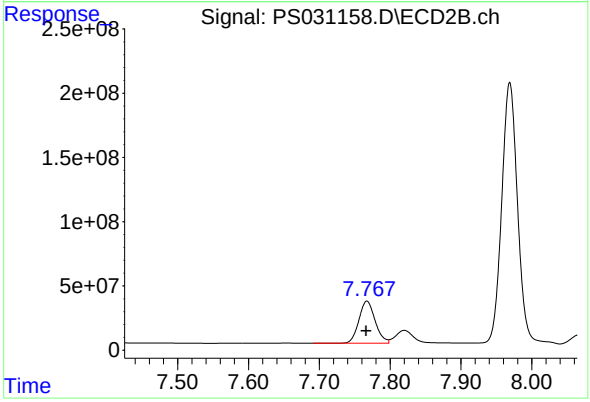
#3 4-Nitrophenol

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



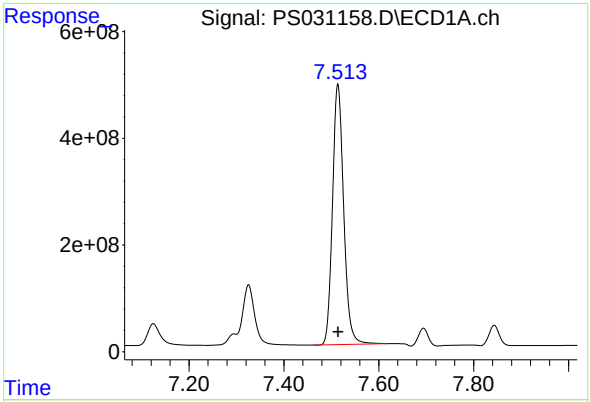
#4 2,4-DCAA

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



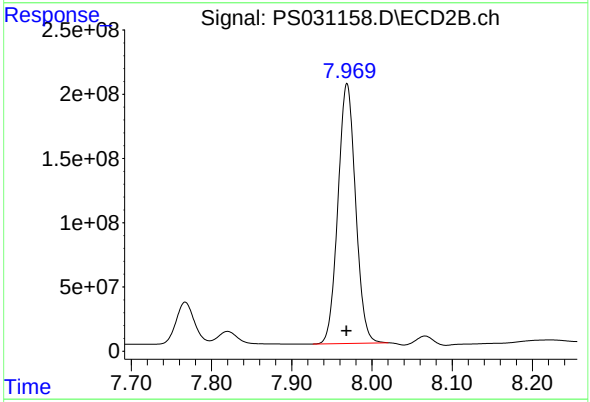
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

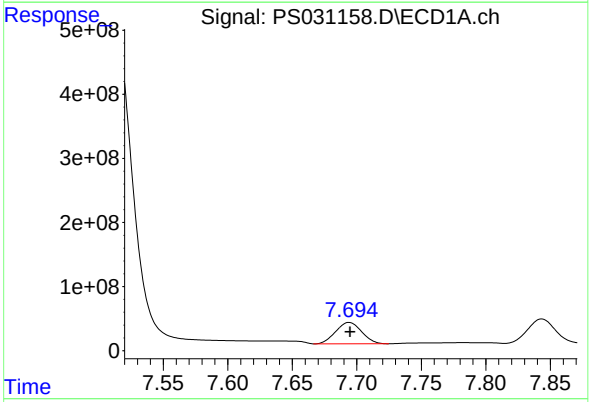
Manual Integrations APPROVED

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



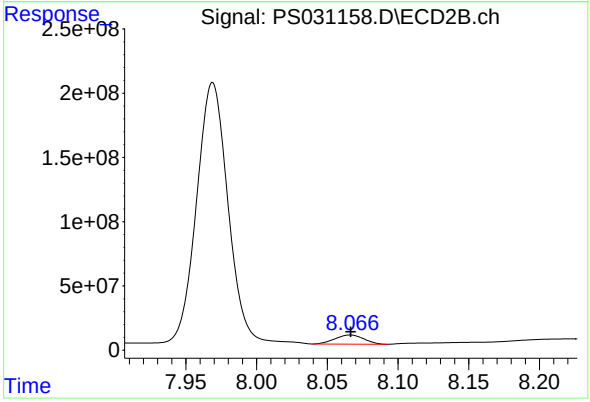
#5 DICAMBA

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



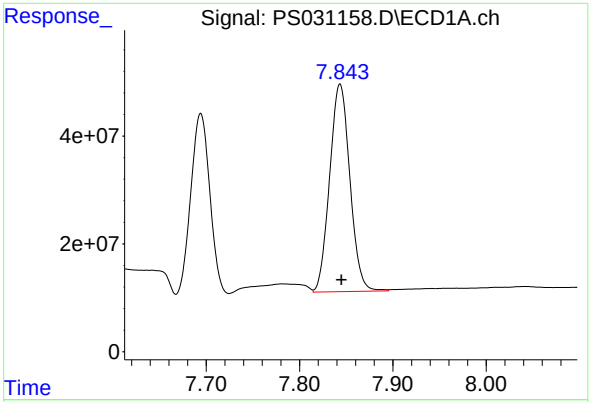
#6 MCPP

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



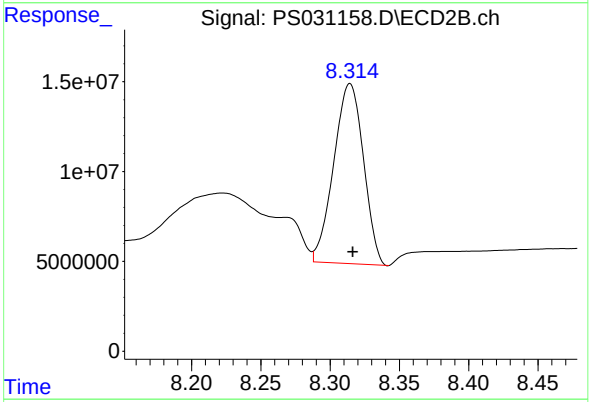
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

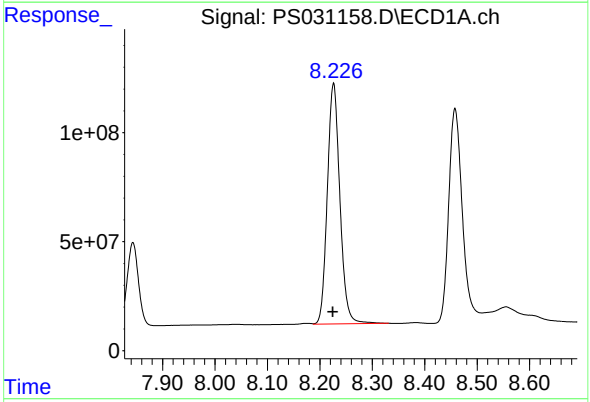
Manual Integrations
APPROVED

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



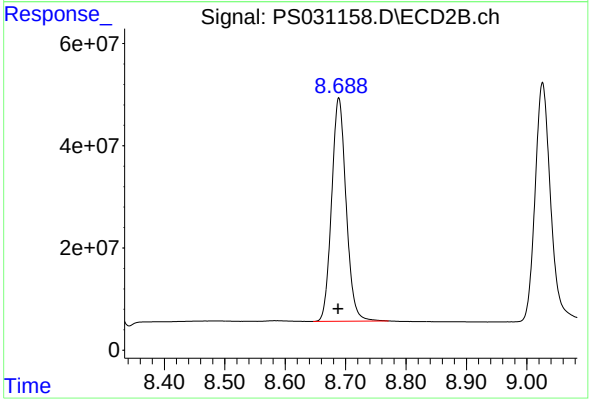
#7 MCPA

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



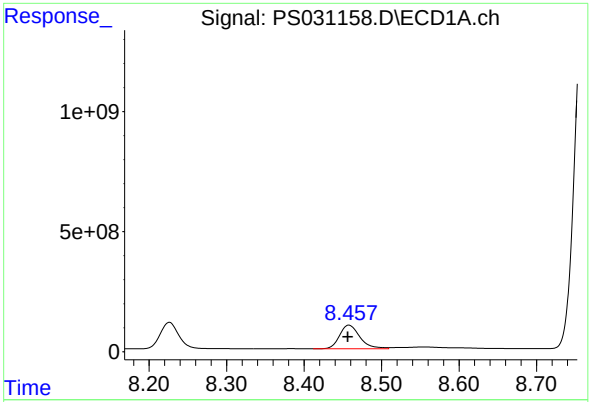
#8 DICHLORPROP

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



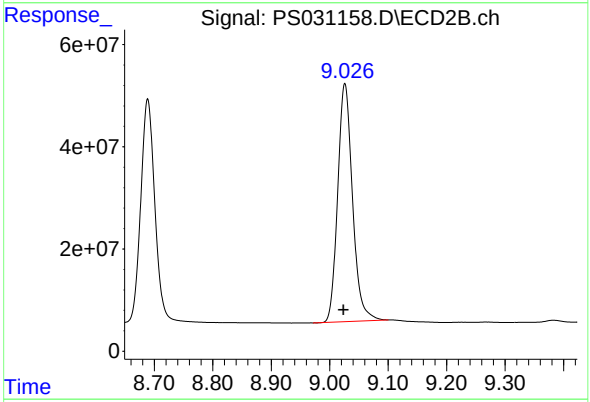
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

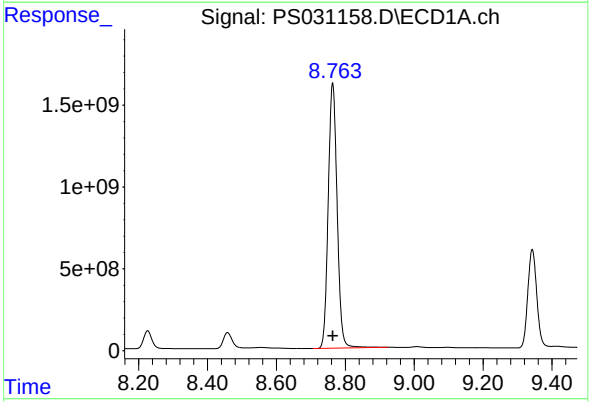
Manual Integrations APPROVED

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



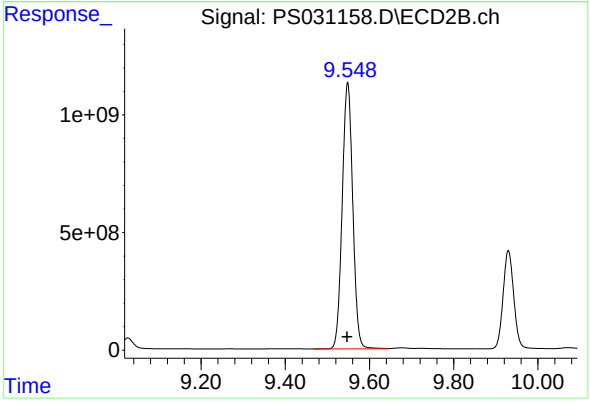
#9 2,4-D

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



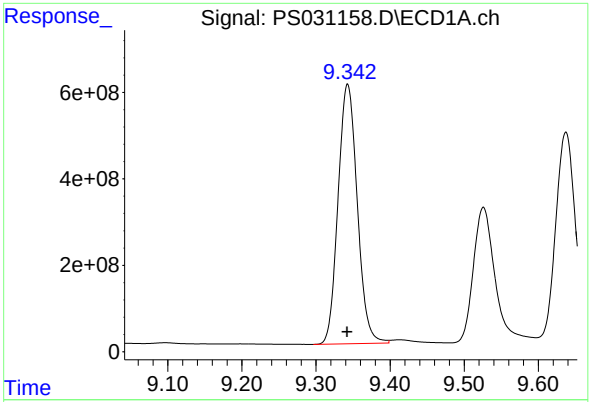
#10 Pentachlorophenol

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



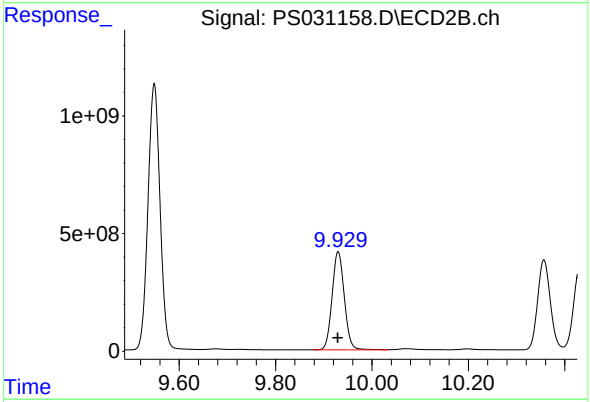
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

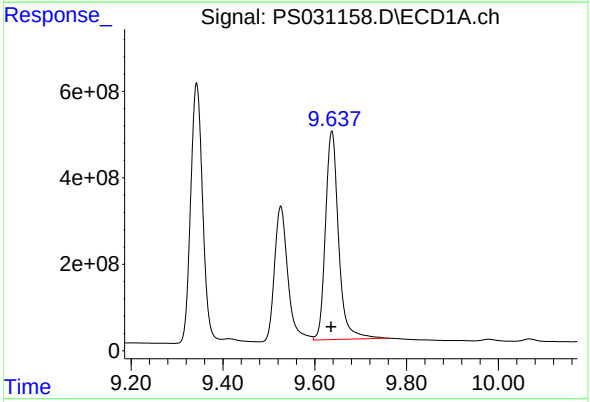
Manual Integrations APPROVED

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



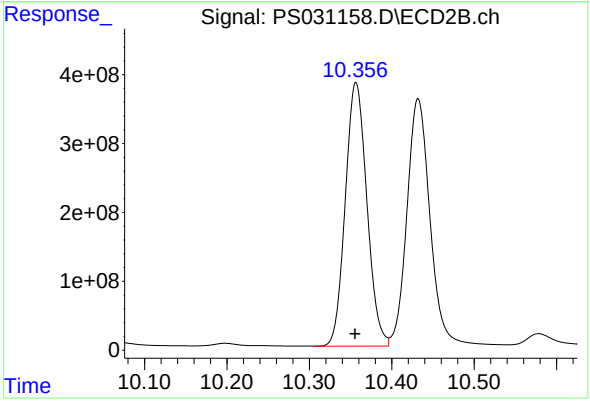
#11 2,4,5-TP (SILVEX)

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



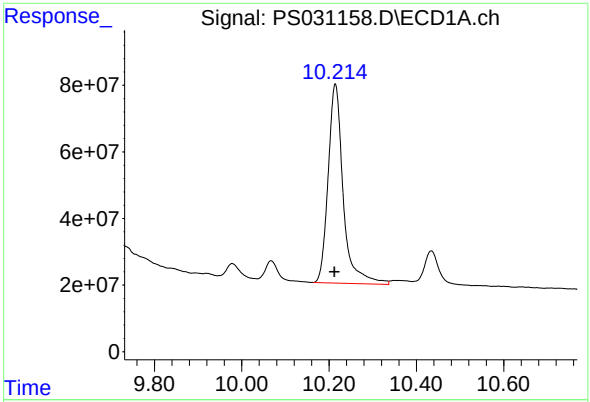
#12 2,4,5-T

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



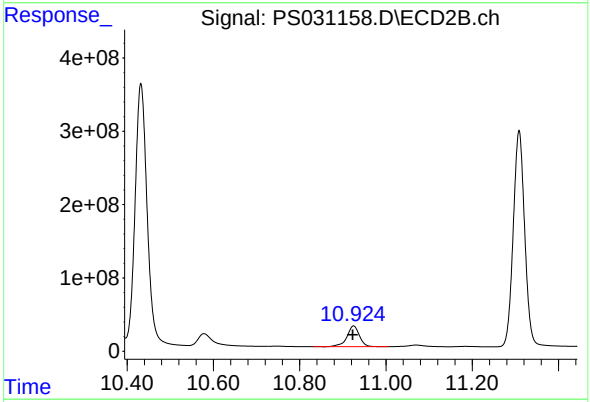
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

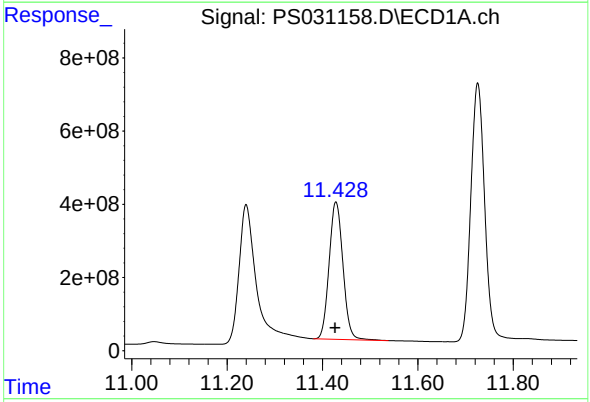
Manual Integrations APPROVED

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



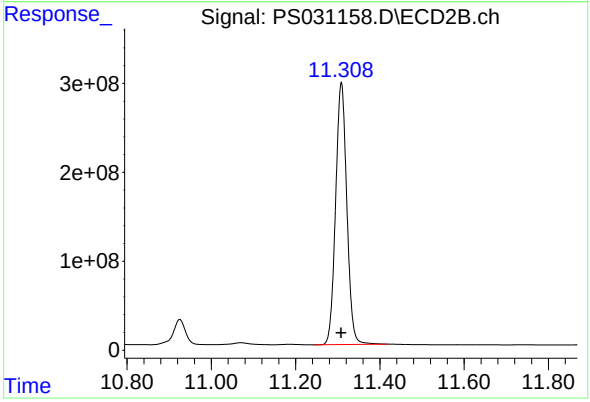
#13 2,4-DB

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



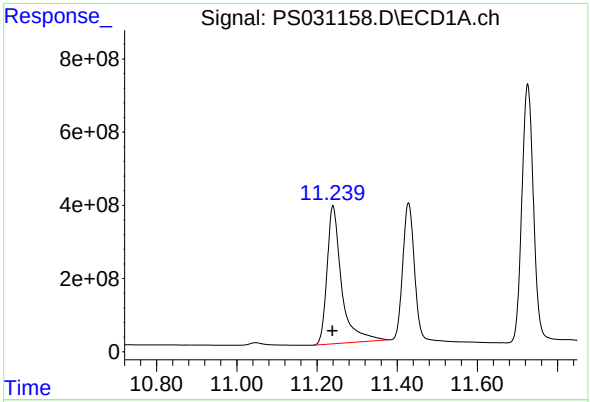
#14 DINOSEB

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



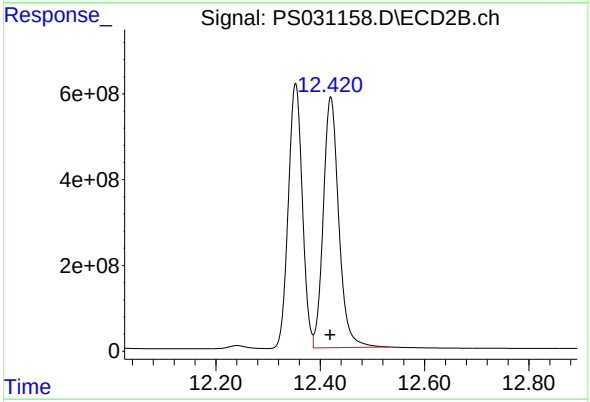
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

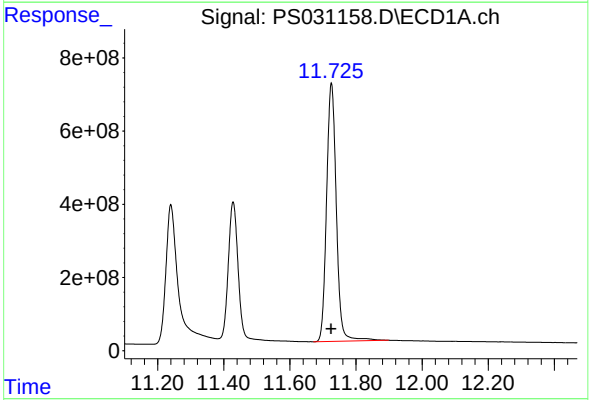
Manual Integrations APPROVED

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



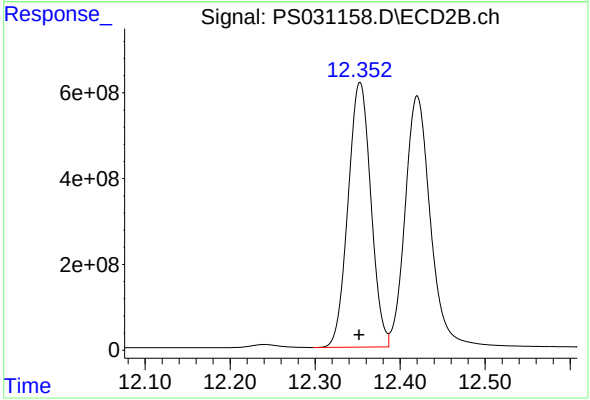
#15 Picloram

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)

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

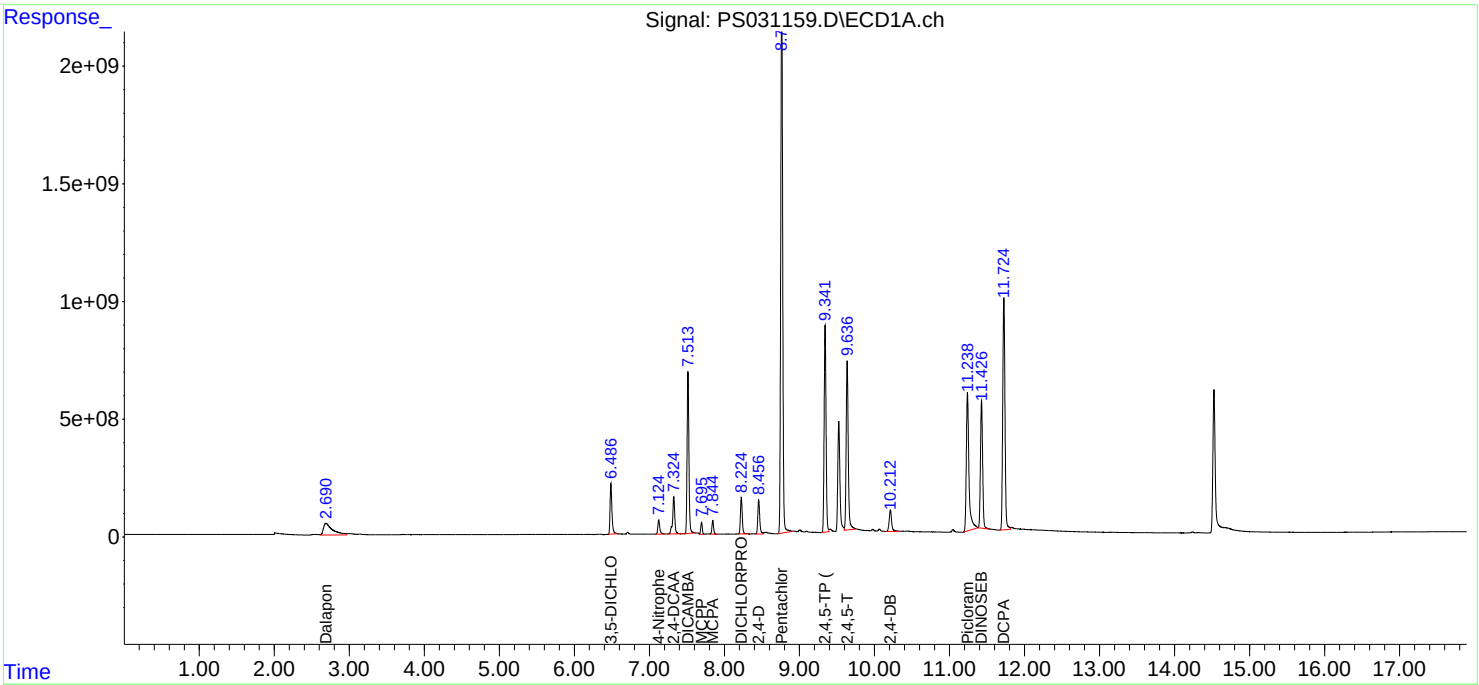
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

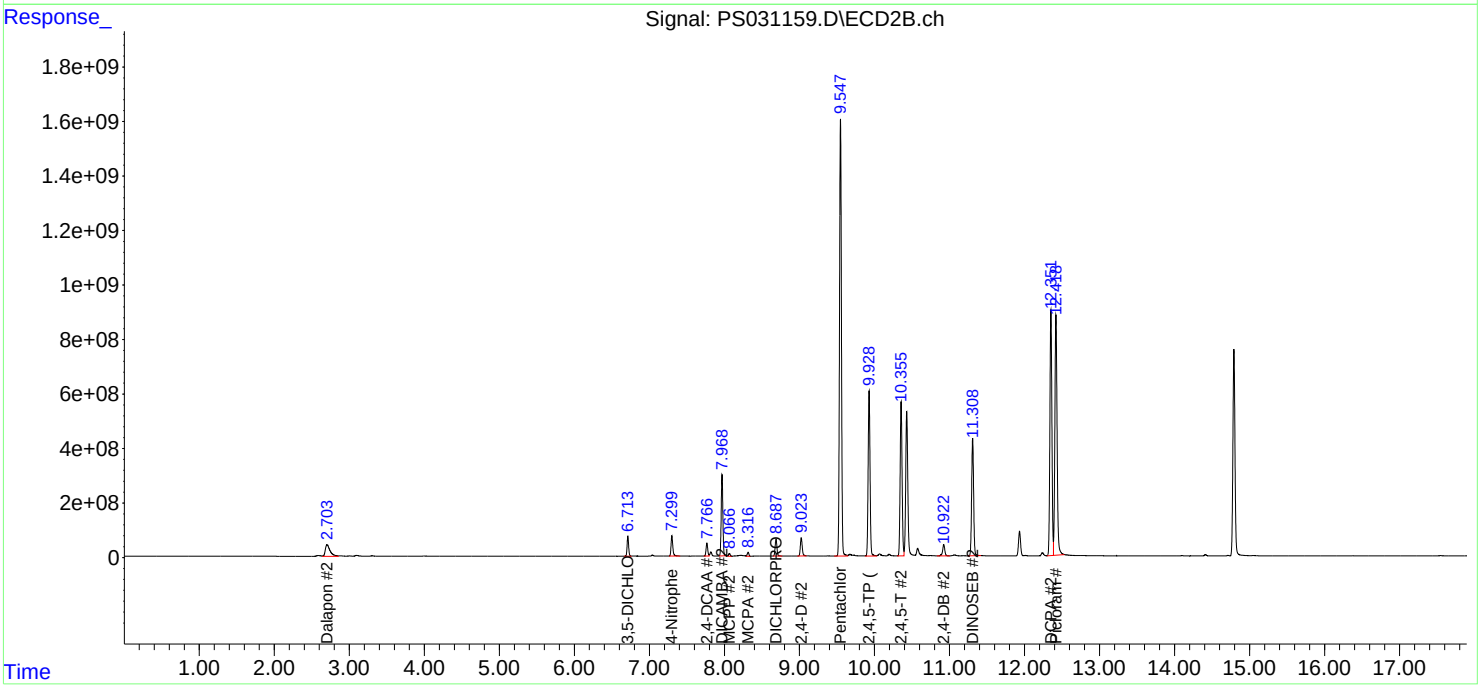
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031159.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:51
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

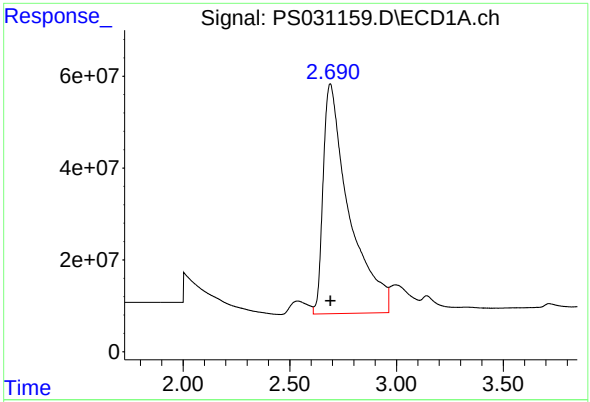
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

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 0.32mm x 0.25µm



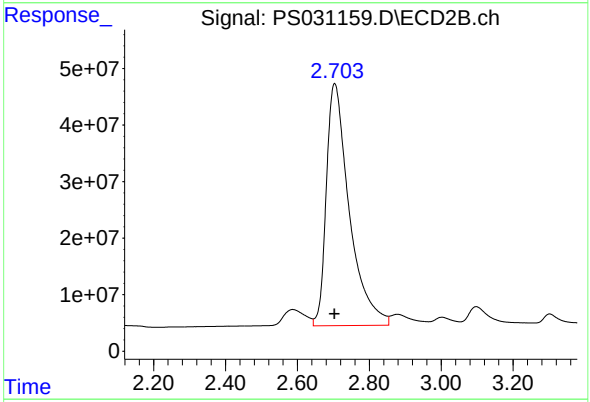




#1 Dalapon

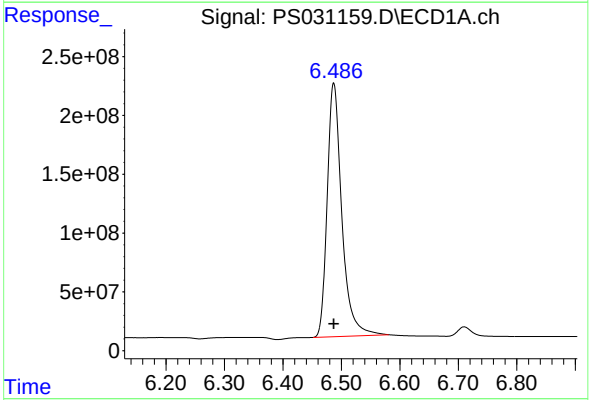
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 4224012852
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



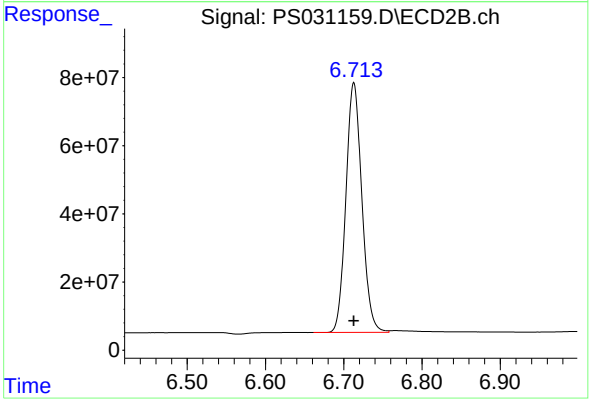
#1 Dalapon

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



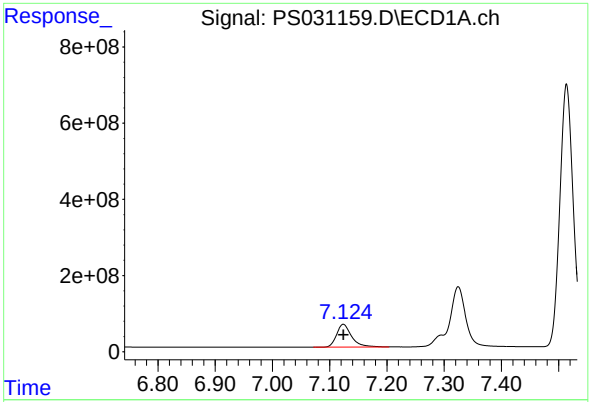
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

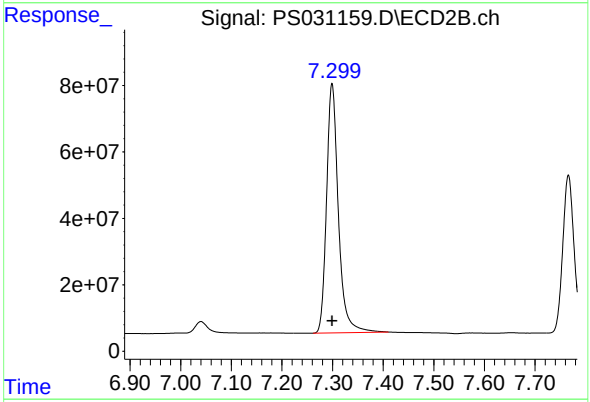
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1039212665
Conc: 697.50 ng/ml



#3 4-Nitrophenol

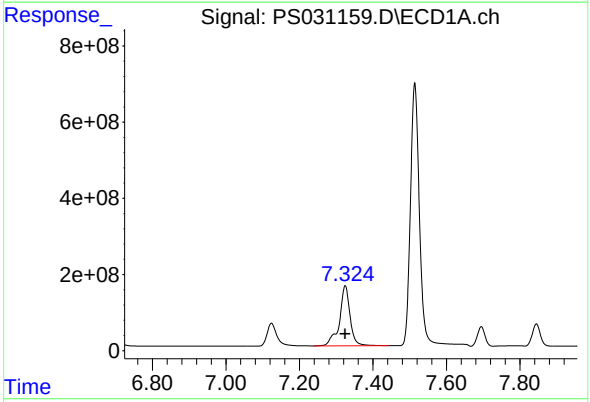
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1095621662
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



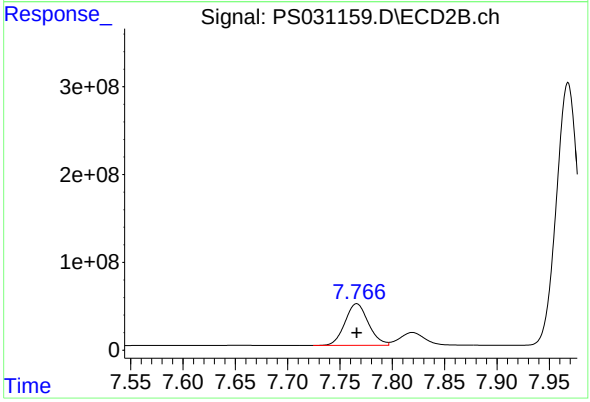
#3 4-Nitrophenol

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



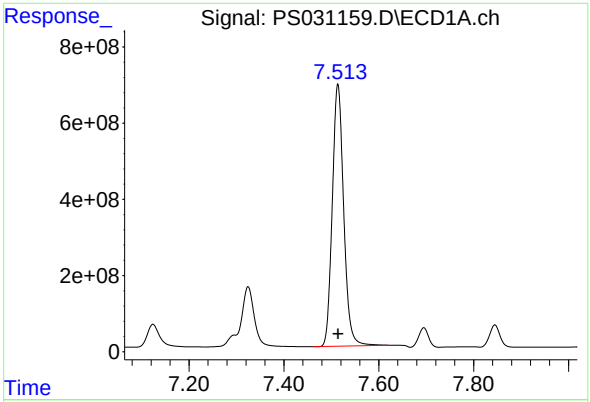
#4 2,4-DCAA

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



#4 2,4-DCAA

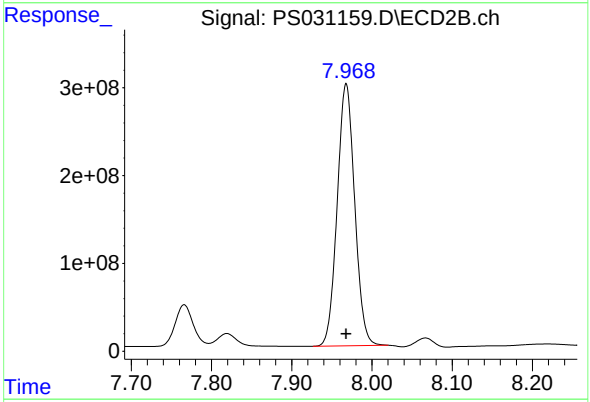
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 741295289
Conc: 750.00 ng/ml



#5 DICAMBA

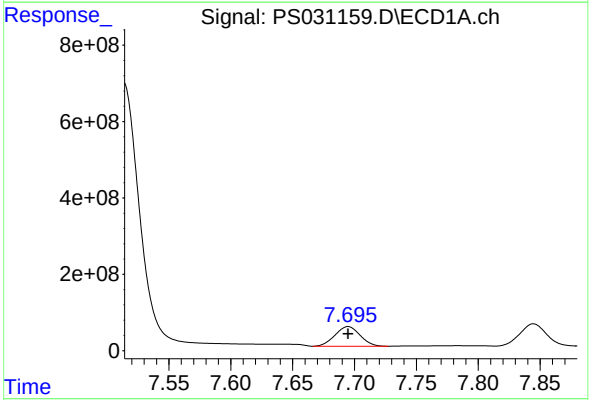
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 11470202403
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



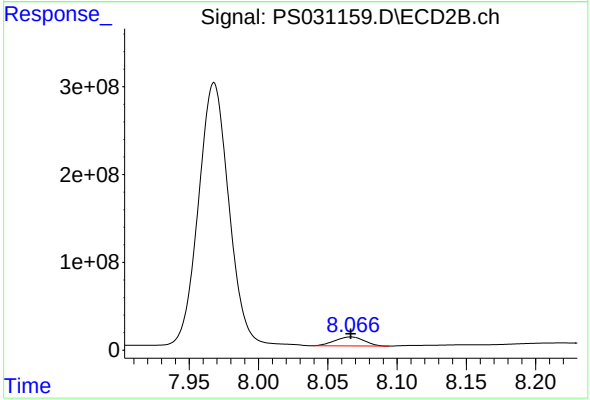
#5 DICAMBA

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



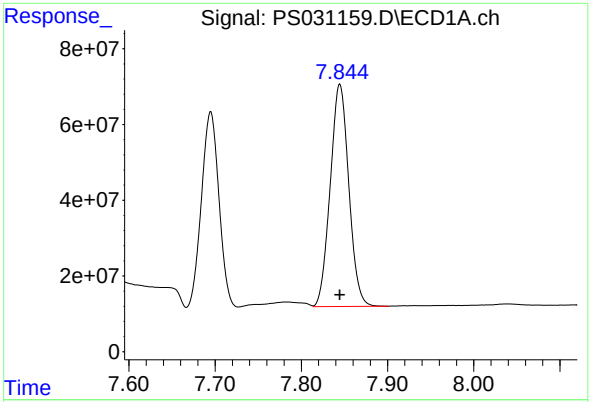
#6 MCPP

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



#6 MCPP

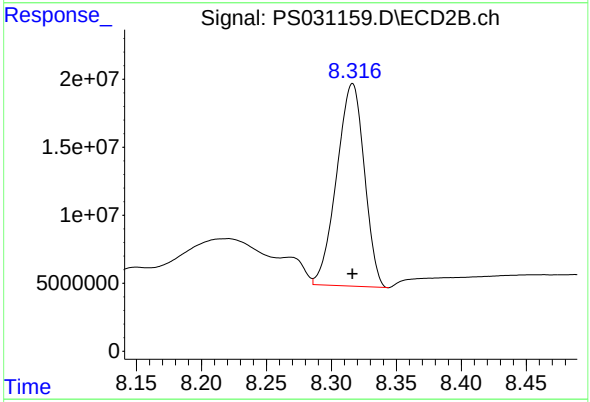
R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 150759642
Conc: 70.50 ug/ml



#7 MCPA

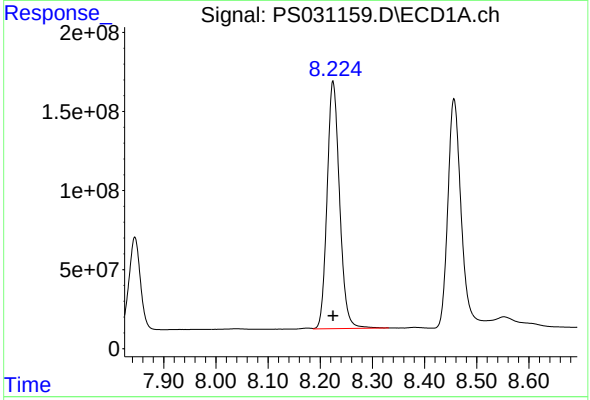
R.T.: 7.845 min
Delta R.T.: 0.000 min
Response: 877165270
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



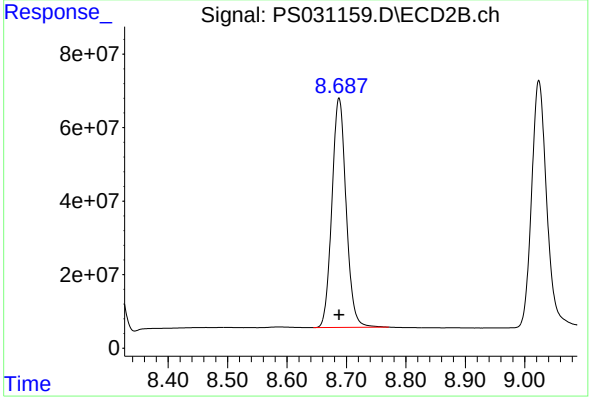
#7 MCPA

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



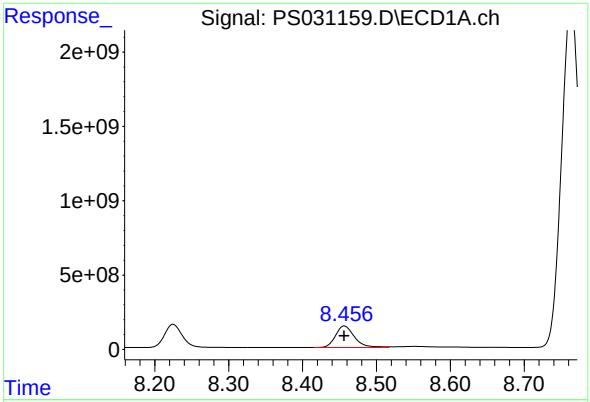
#8 DICHLORPROP

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



#8 DICHLORPROP

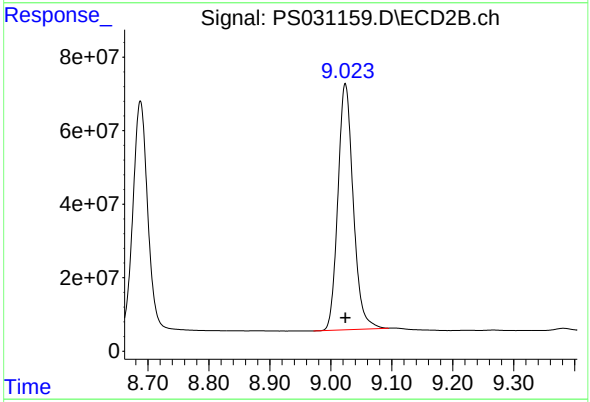
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1038723007
Conc: 705.00 ng/ml



#9 2,4-D

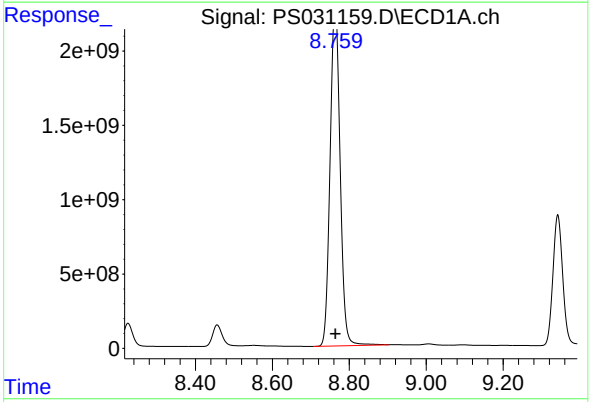
R.T.: 8.456 min
Delta R.T.: 0.000 min
Response: 2576397088
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



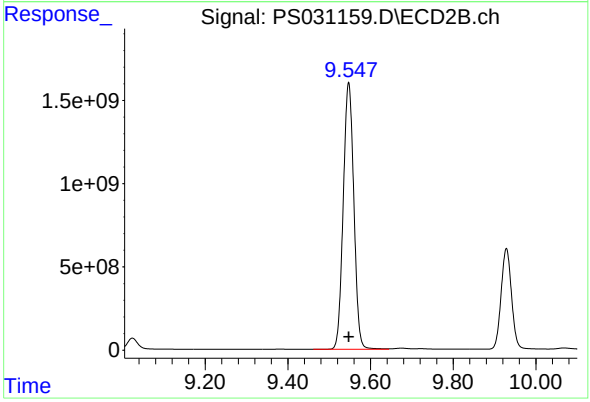
#9 2,4-D

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



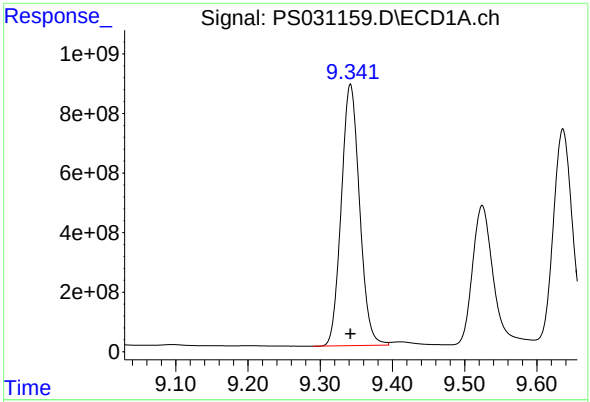
#10 Pentachlorophenol

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



#10 Pentachlorophenol

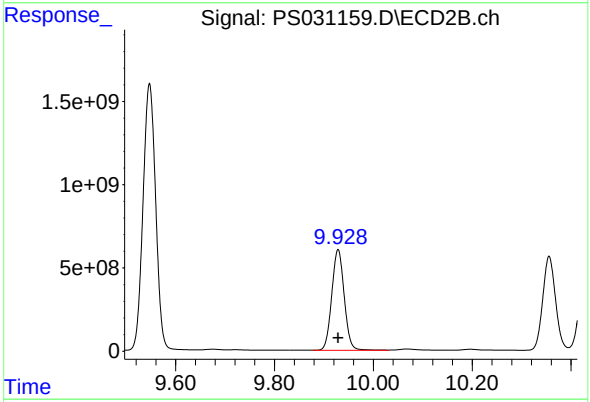
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 28472689879
Conc: 712.50 ng/ml



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

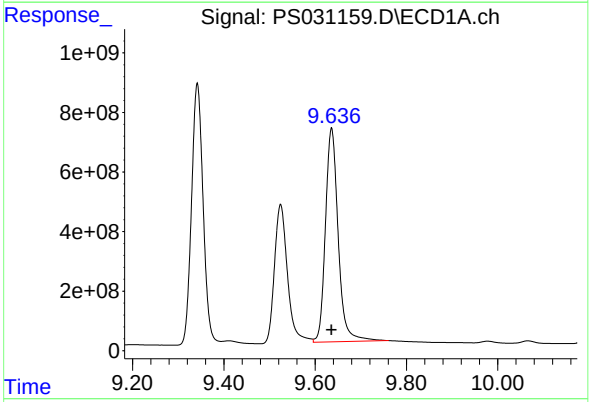
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 15417581775
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



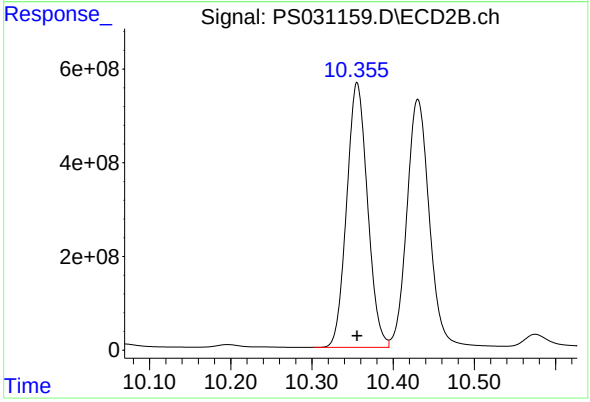
#11 2,4,5-TP (SILVEX)

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



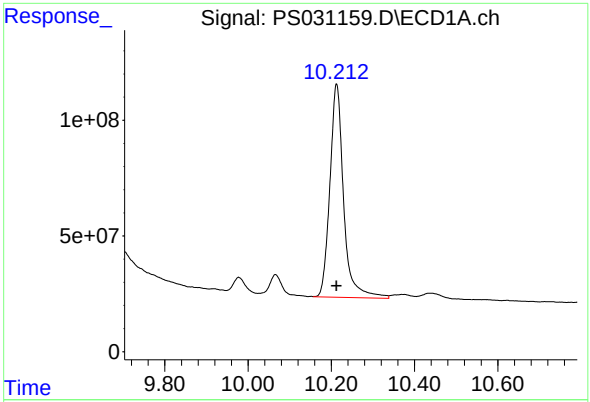
#12 2,4,5-T

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



#12 2,4,5-T

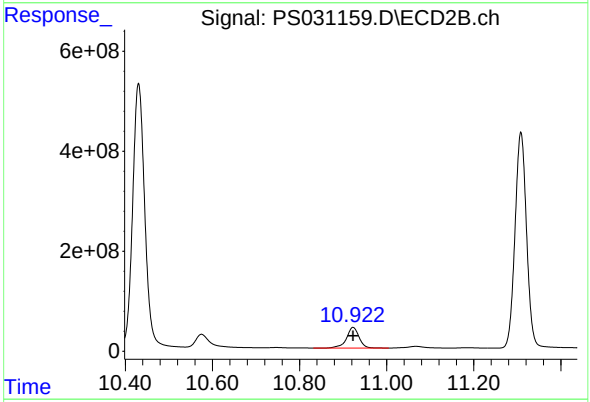
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 10086489003
Conc: 712.50 ng/ml



#13 2,4-DB

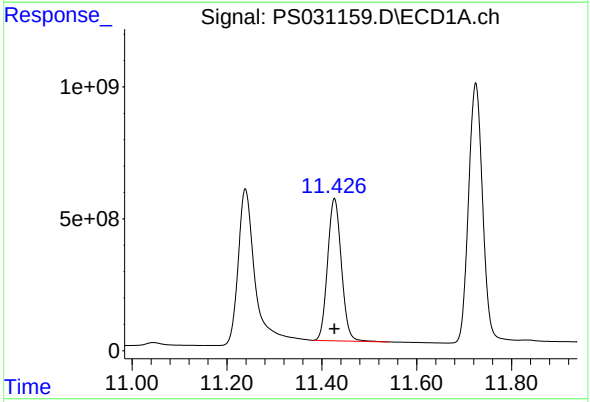
R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 2110870159
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



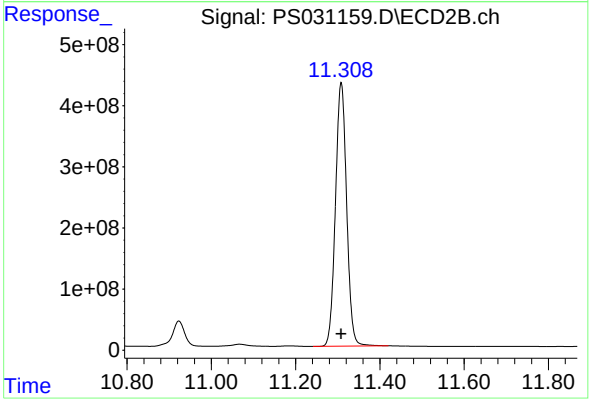
#13 2,4-DB

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



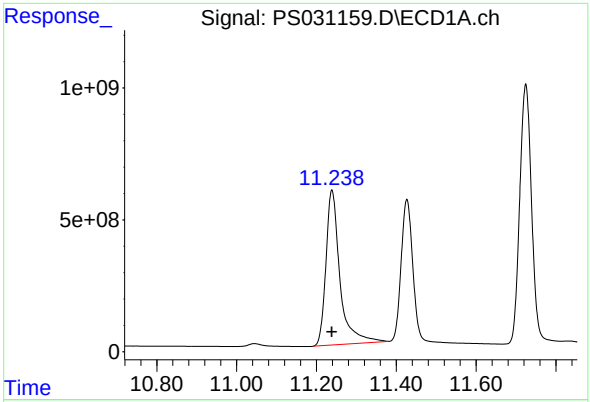
#14 DINOSEB

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



#14 DINOSEB

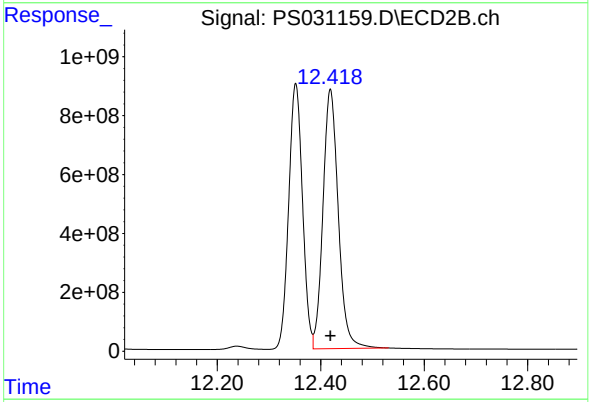
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 7928284747
Conc: 705.00 ng/ml



#15 Picloram

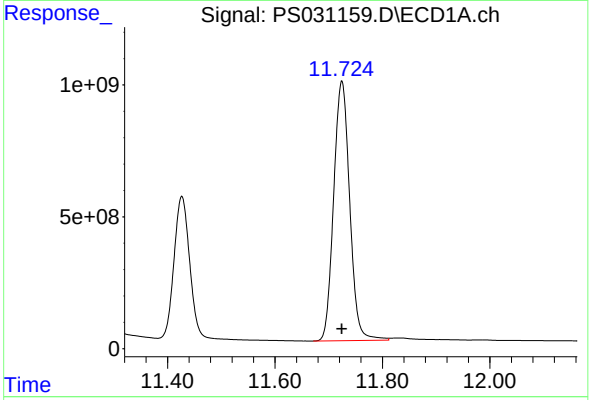
R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 14344036300
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



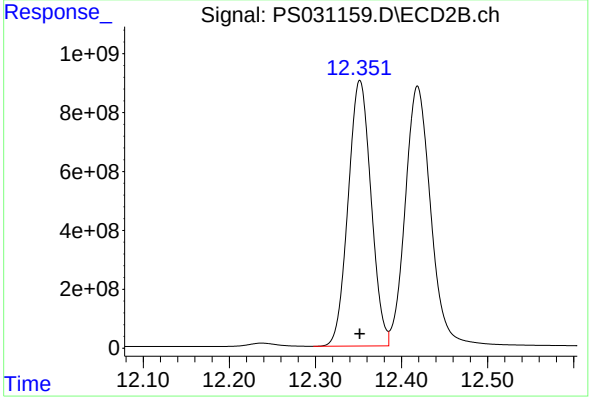
#15 Picloram

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)

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

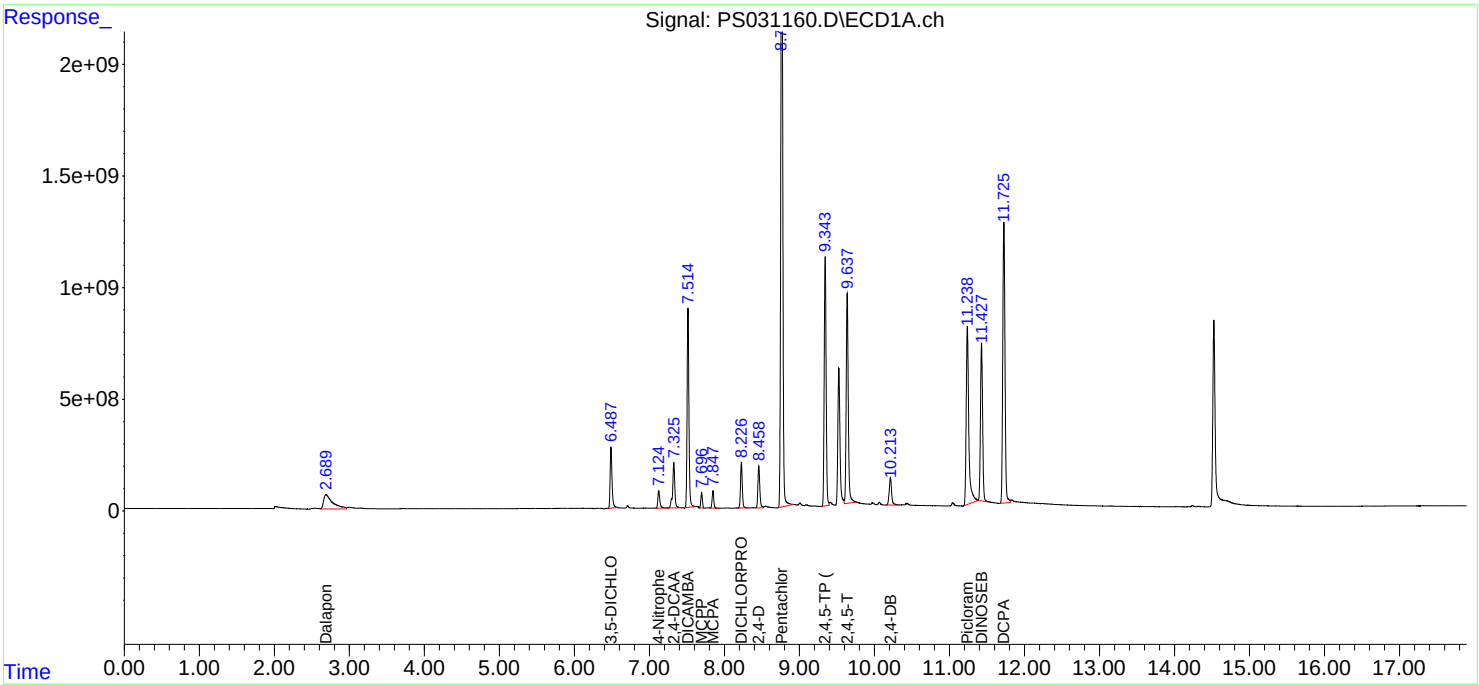
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

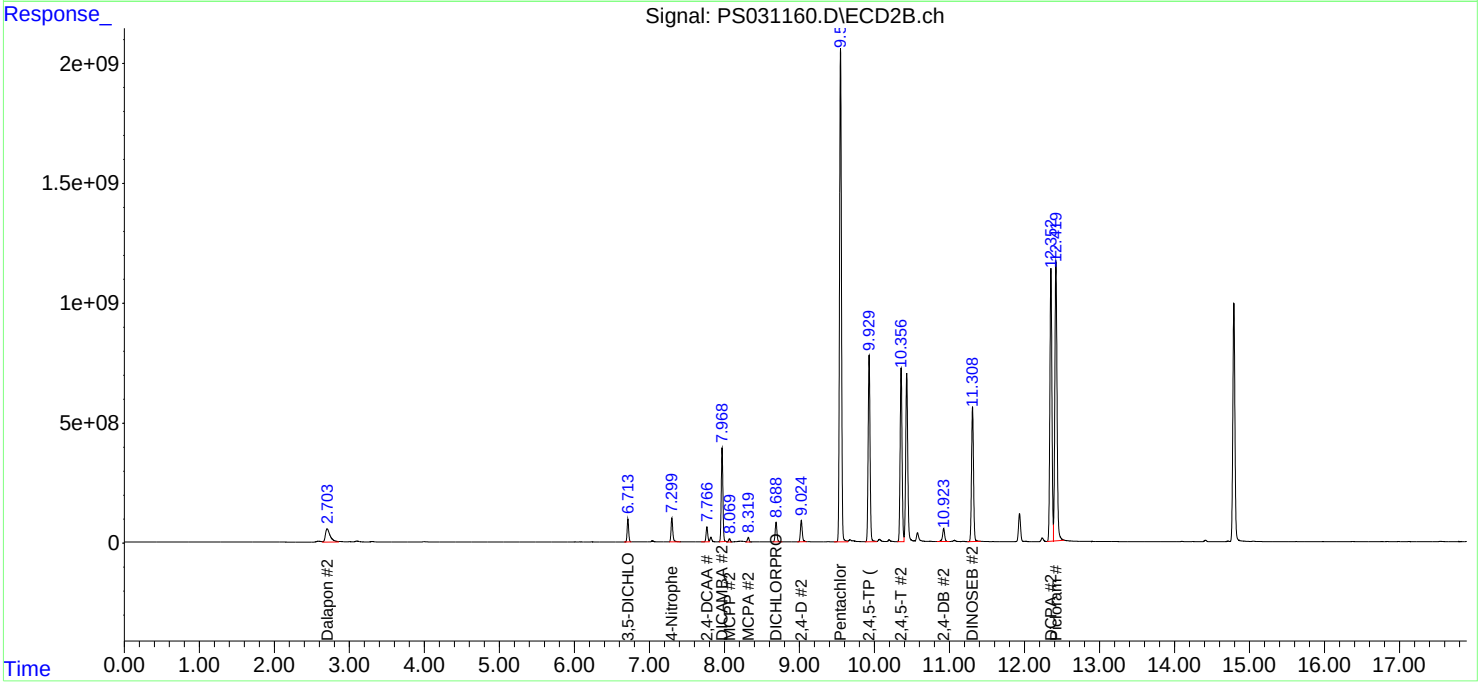
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031160.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:15
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

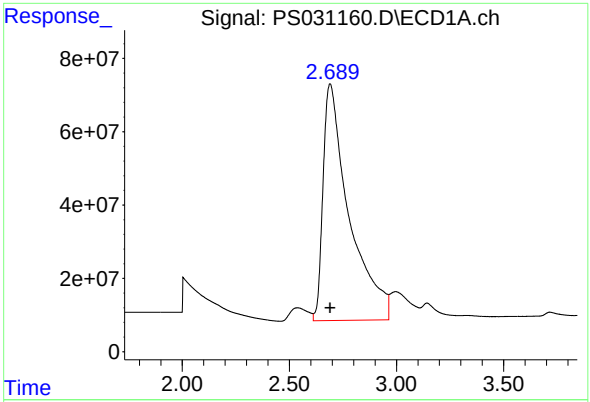
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

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



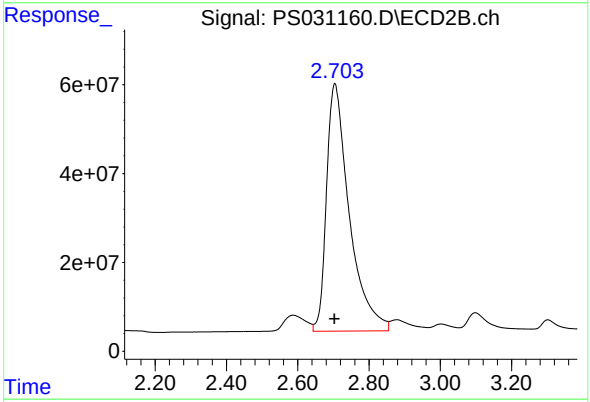




#1 Dalapon

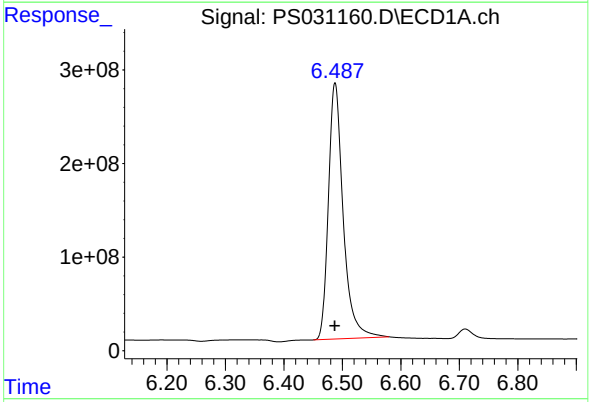
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 5453482387
Conc: 881.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



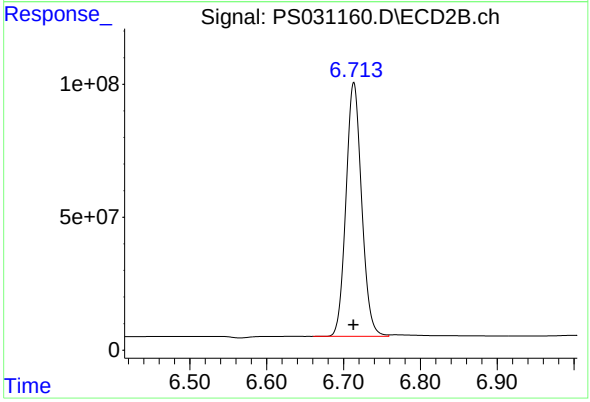
#1 Dalapon

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



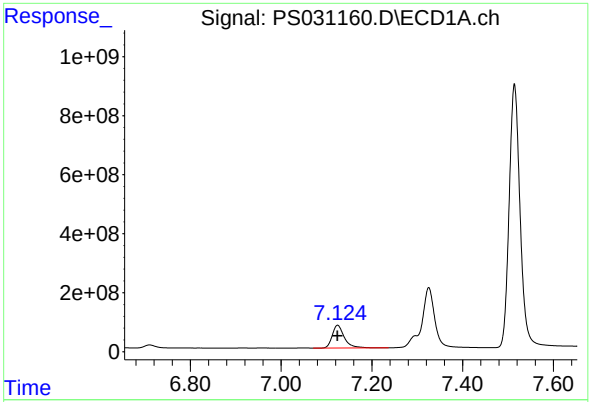
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

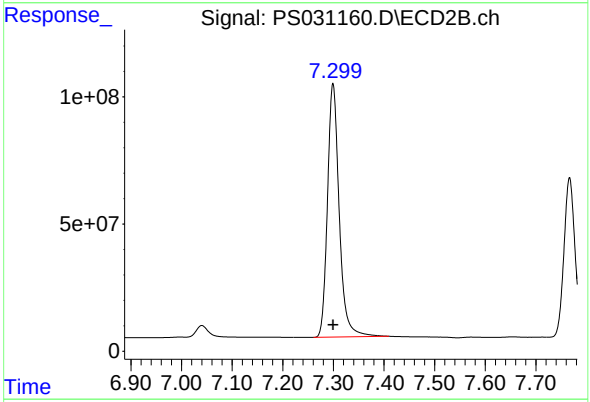
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1352413139
Conc: 907.71 ng/ml



#3 4-Nitrophenol

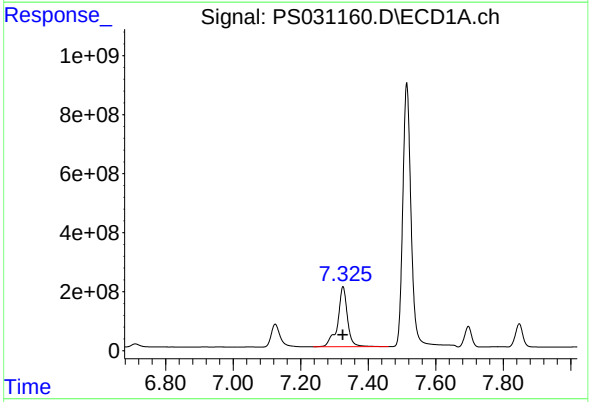
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1421384436
Conc: 885.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



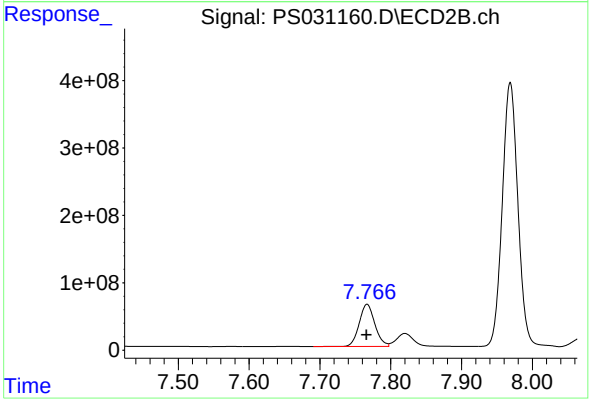
#3 4-Nitrophenol

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



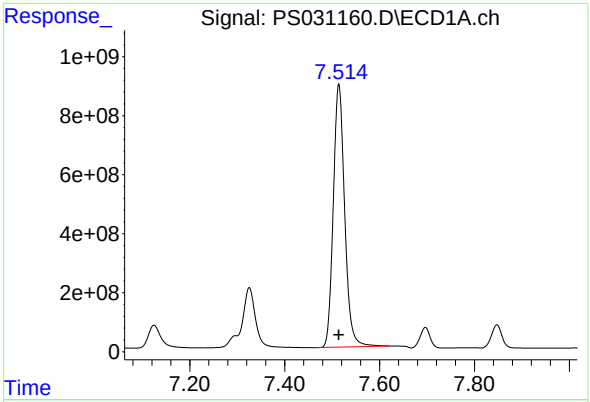
#4 2,4-DCAA

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



#4 2,4-DCAA

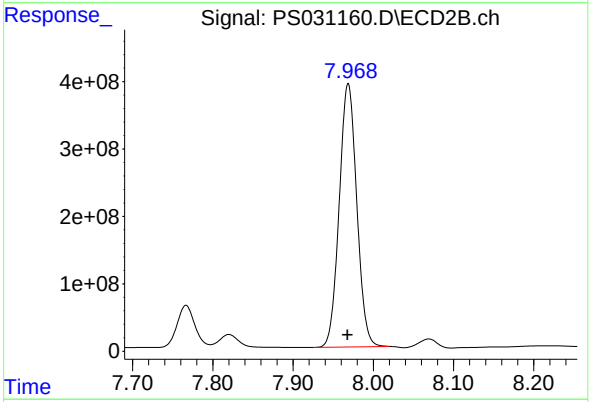
R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 963100505
Conc: 974.41 ng/ml



#5 DICAMBA

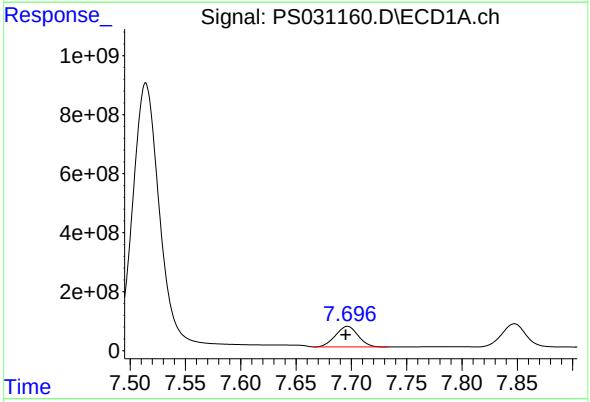
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 14832958607
Conc: 911.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



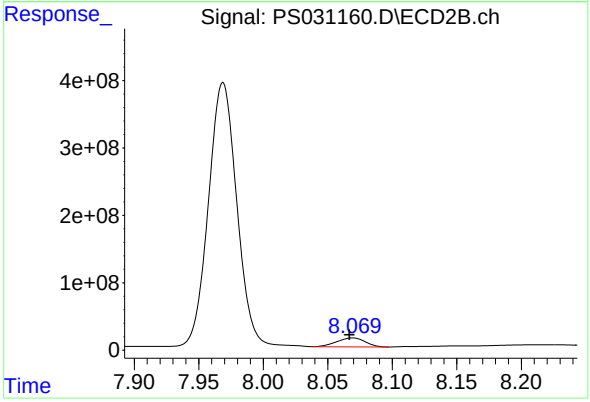
#5 DICAMBA

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



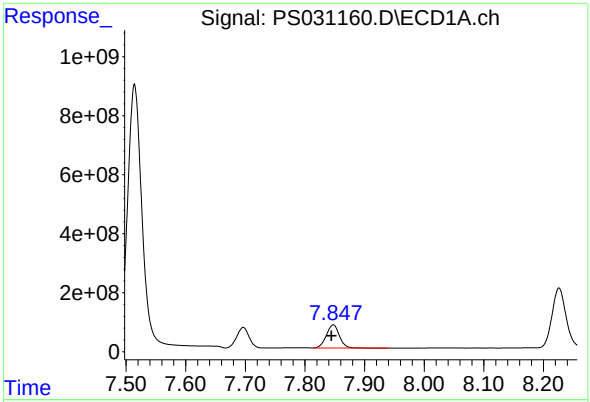
#6 MCPP

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



#6 MCPP

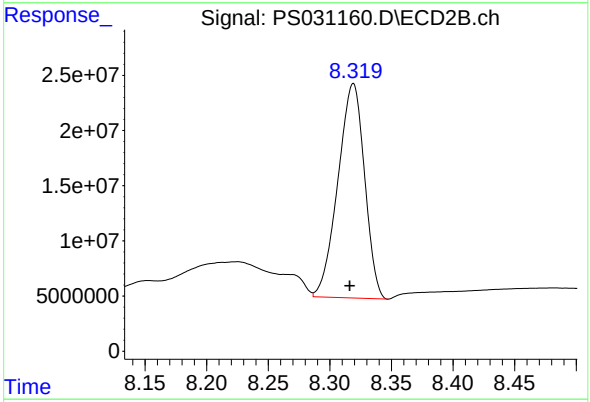
R.T.: 8.069 min
Delta R.T.: 0.003 min
Response: 202250812
Conc: 94.58 ug/ml



#7 MCPA

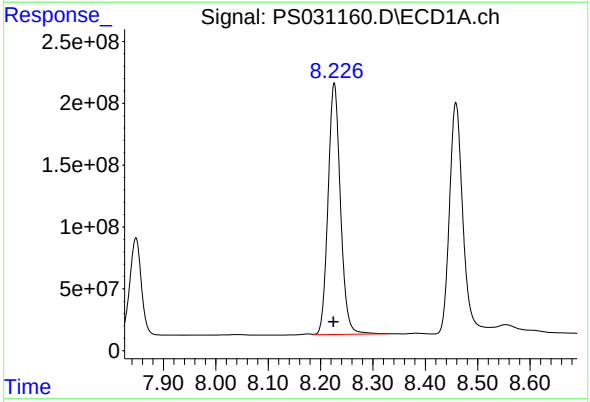
R.T.: 7.847 min
Delta R.T.: 0.003 min
Response: 1186681895
Conc: 94.36 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



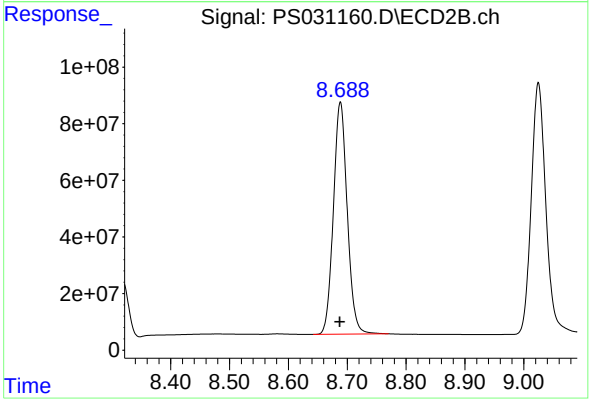
#7 MCPA

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



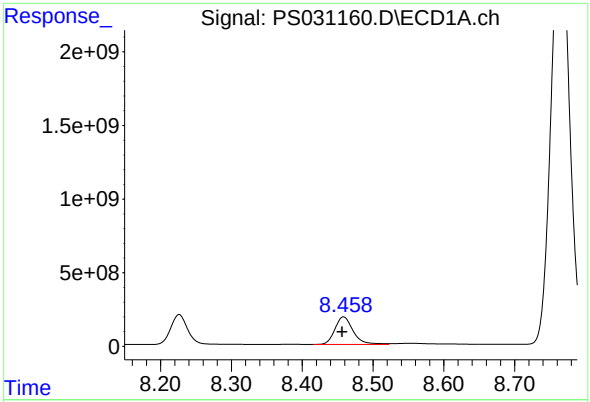
#8 DICHLORPROP

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



#8 DICHLORPROP

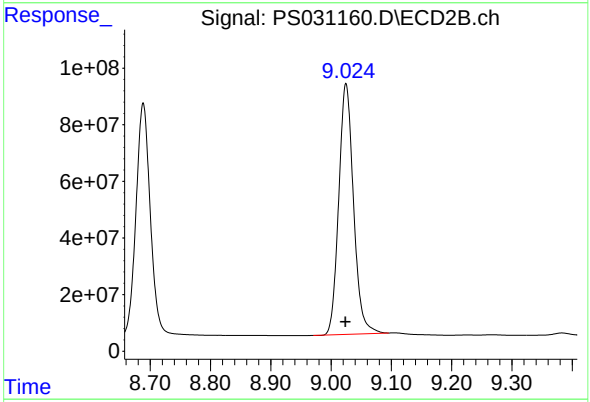
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1341135683
Conc: 910.25 ng/ml



#9 2,4-D

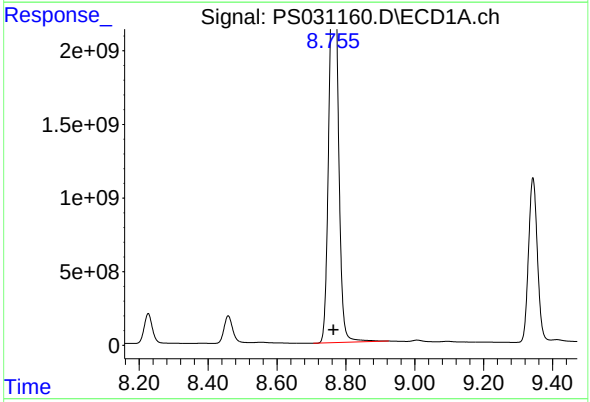
R.T.: 8.458 min
Delta R.T.: 0.002 min
Response: 3339344621
Conc: 913.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



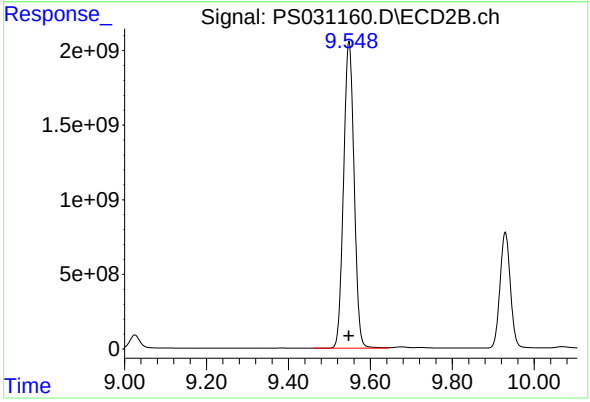
#9 2,4-D

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



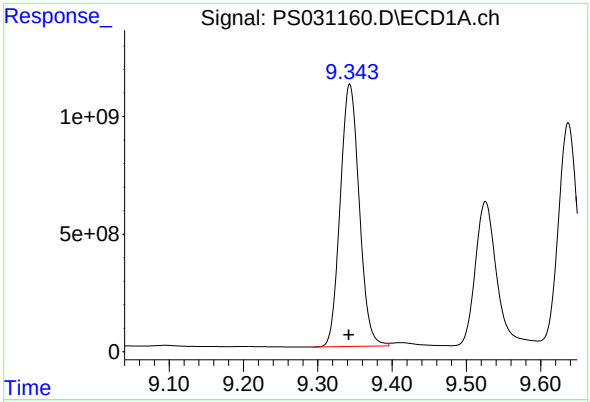
#10 Pentachlorophenol

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



#10 Pentachlorophenol

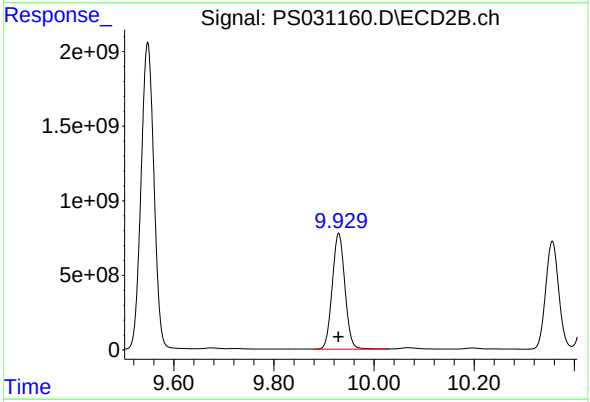
R.T.: 9.548 min
Delta R.T.: 0.000 min
Response: 36703311197
Conc: 918.46 ng/ml



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

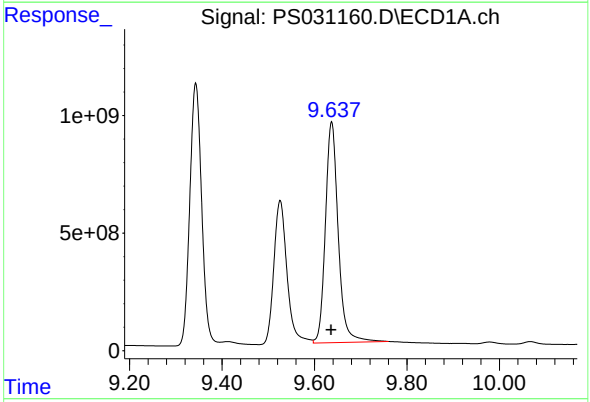
R.T.: 9.343 min
Delta R.T.: 0.001 min
Response: 19814320460
Conc: 915.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



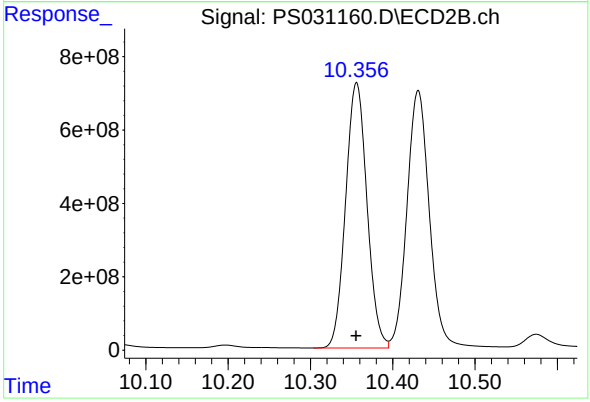
#11 2,4,5-TP (SILVEX)

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



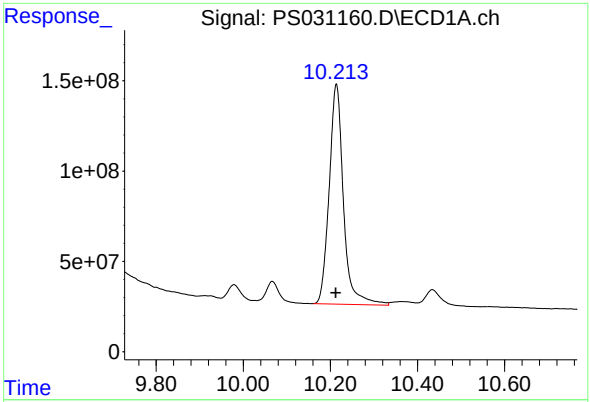
#12 2,4,5-T

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



#12 2,4,5-T

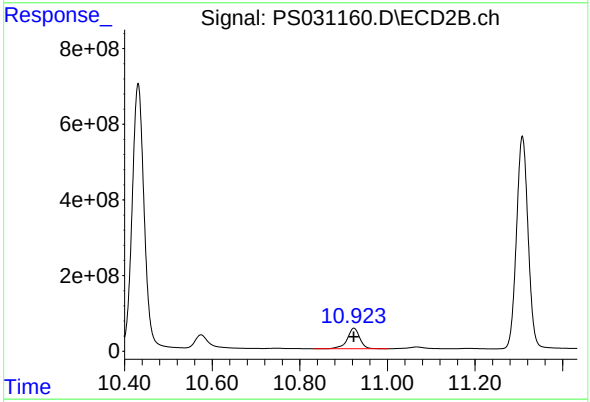
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 13055215548
Conc: 922.21 ng/ml



#13 2,4-DB

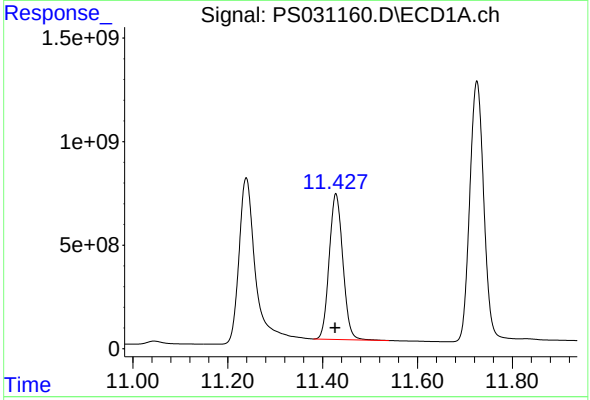
R.T.: 10.214 min
Delta R.T.: 0.001 min
Response: 2771712245
Conc: 935.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



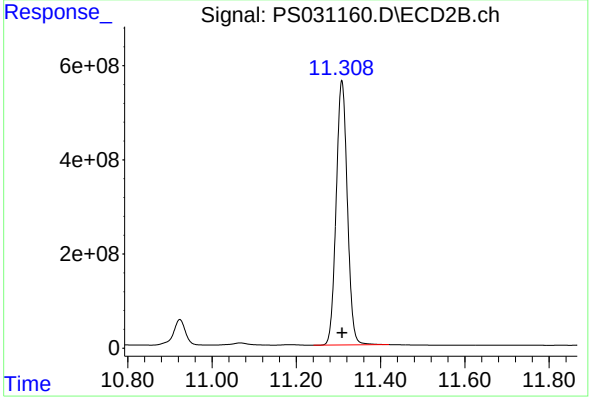
#13 2,4-DB

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



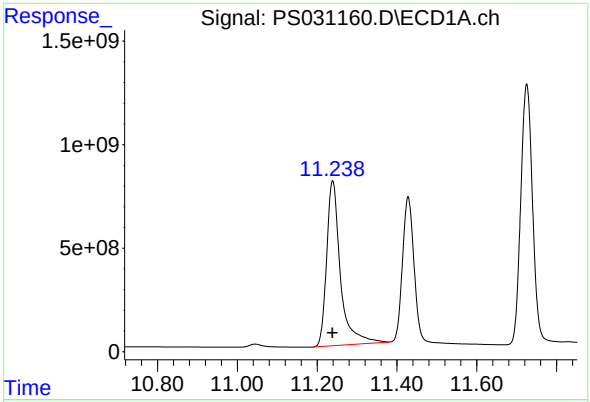
#14 DINOSEB

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



#14 DINOSEB

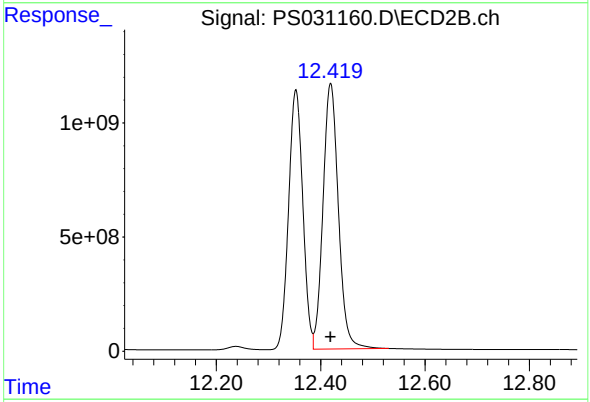
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 10337937996
Conc: 919.27 ng/ml



#15 Picloram

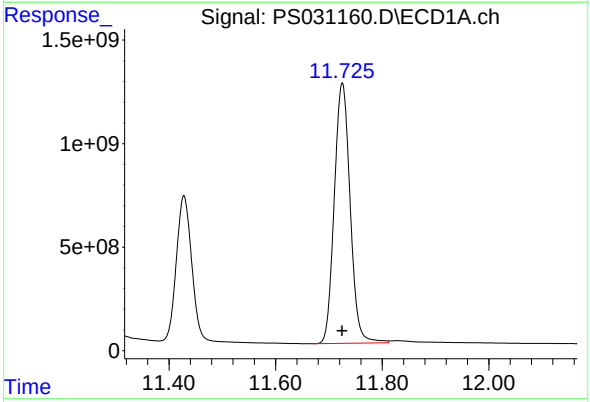
R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 19111405619
Conc: 949.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



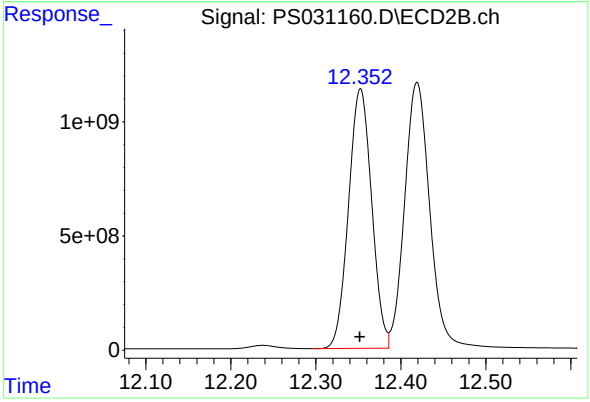
#15 Picloram

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)

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

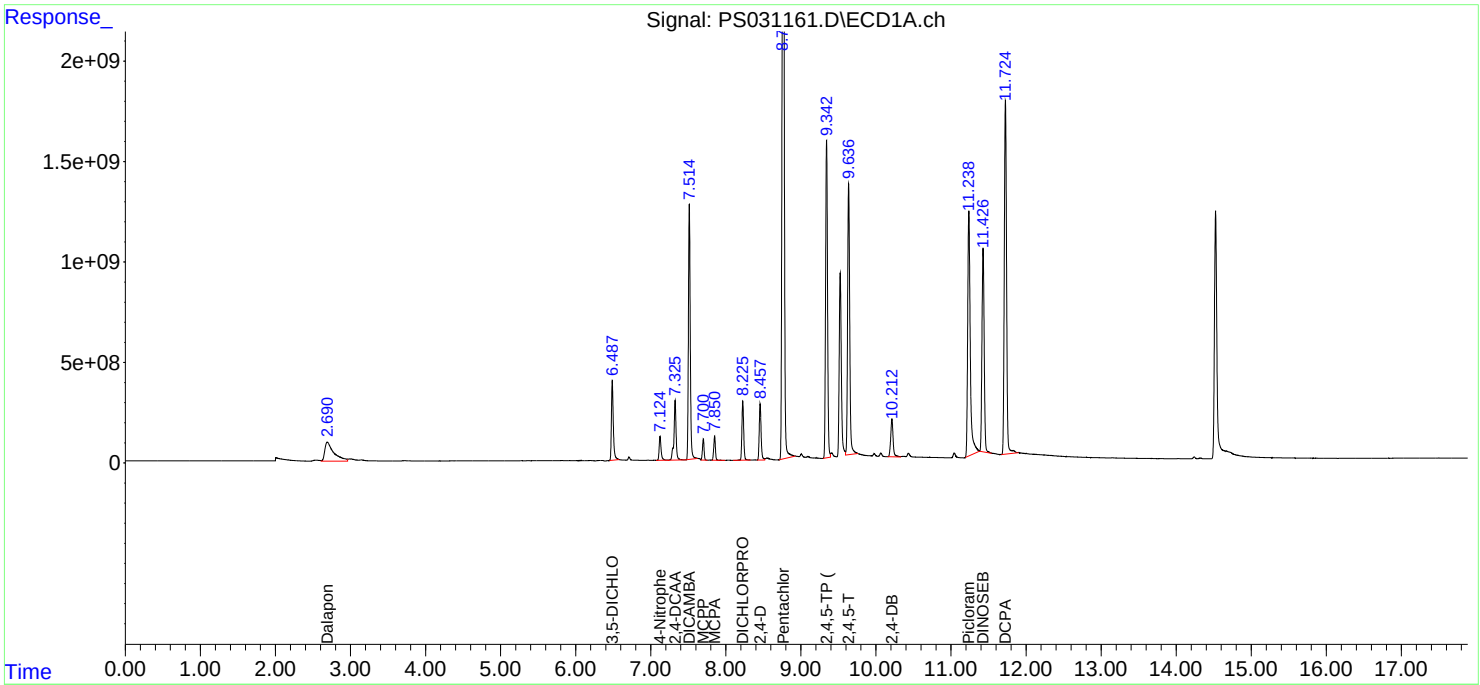
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

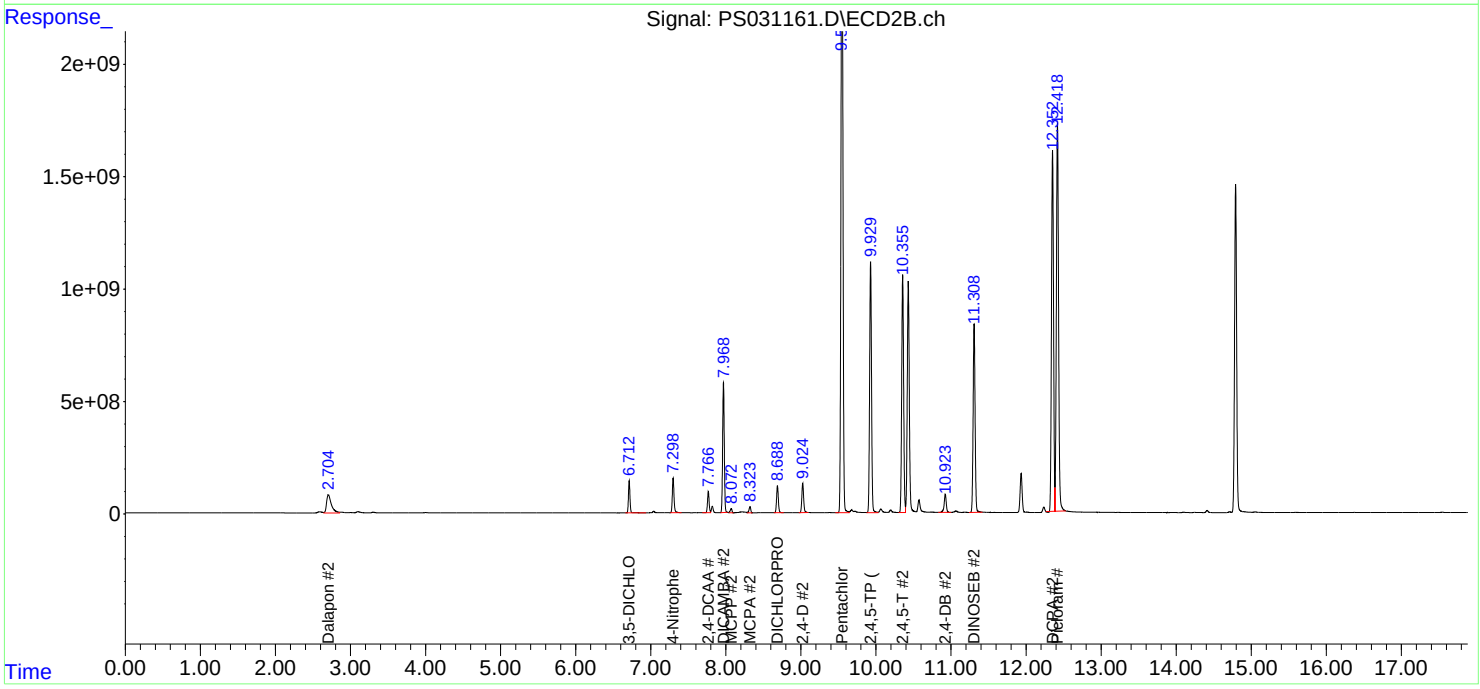
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031161.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:39
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

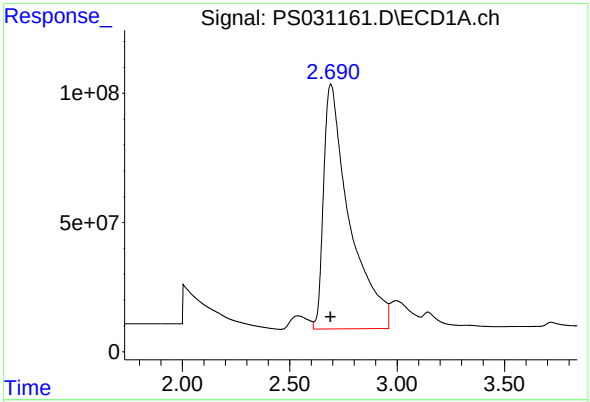
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

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



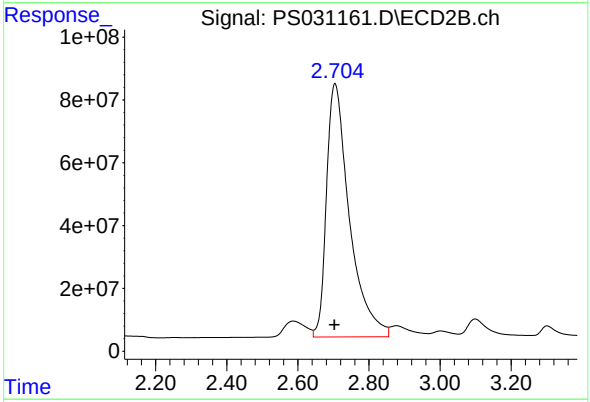




#1 Dalapon

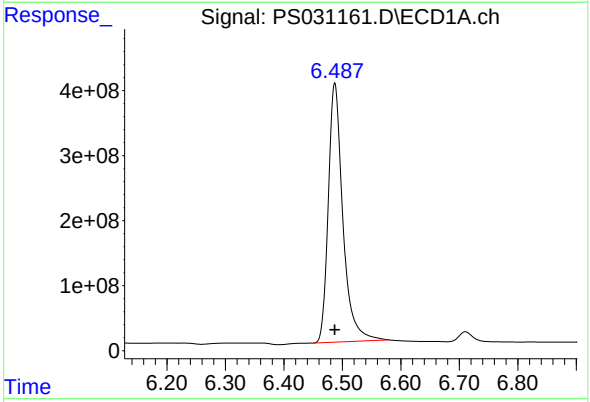
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 7938789953
Conc: 1282.72 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



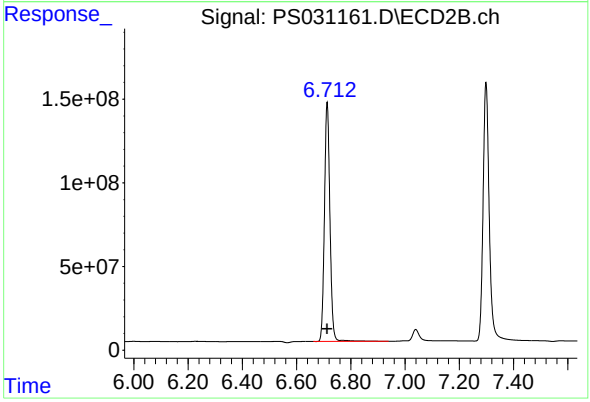
#1 Dalapon

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



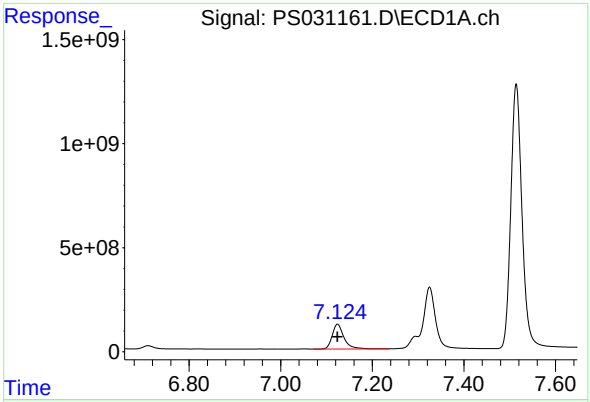
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

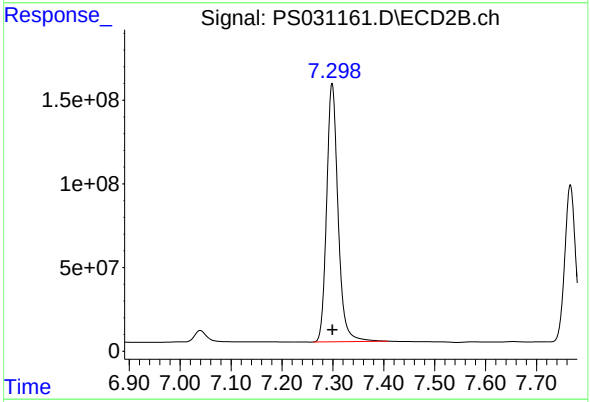
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 2008416196
Conc: 1348.01 ng/ml



#3 4-Nitrophenol

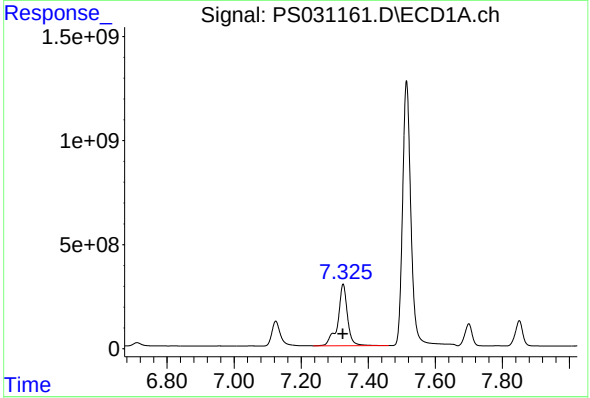
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 2109320808
Conc: 1313.97 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



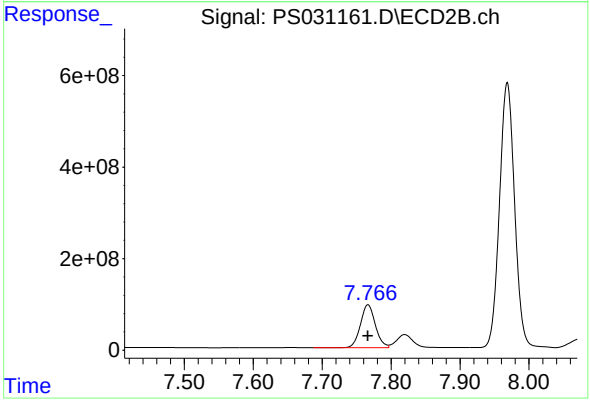
#3 4-Nitrophenol

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



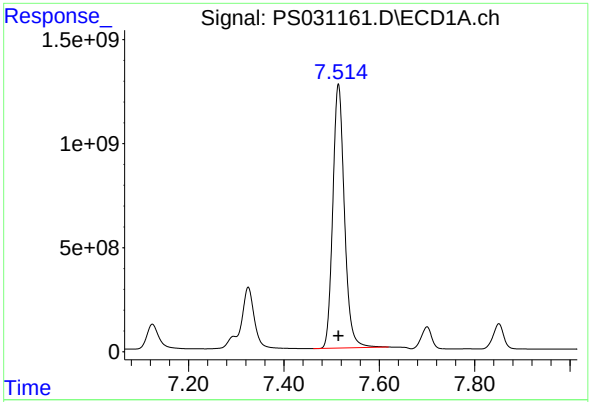
#4 2,4-DCAA

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



#4 2,4-DCAA

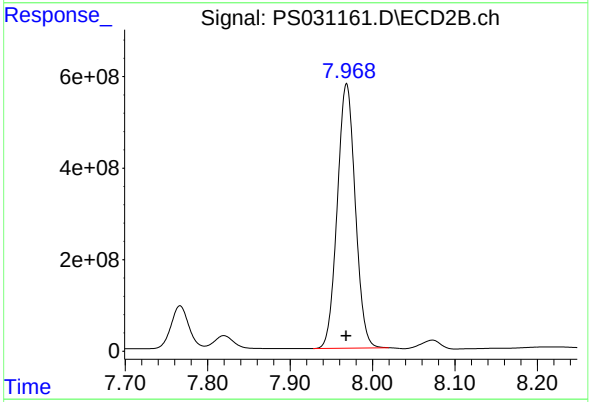
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 1404343492
Conc: 1420.83 ng/ml



#5 DICAMBA

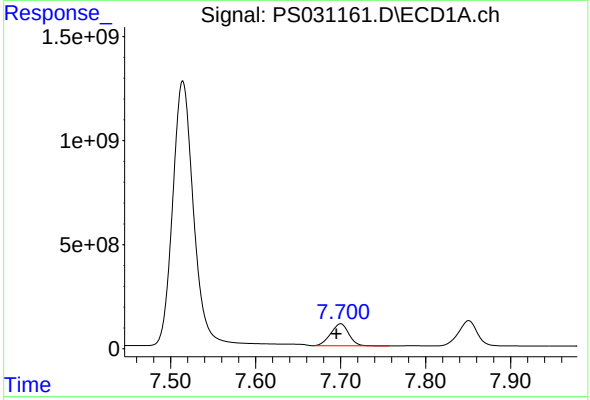
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 21449889213
Conc: 1318.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



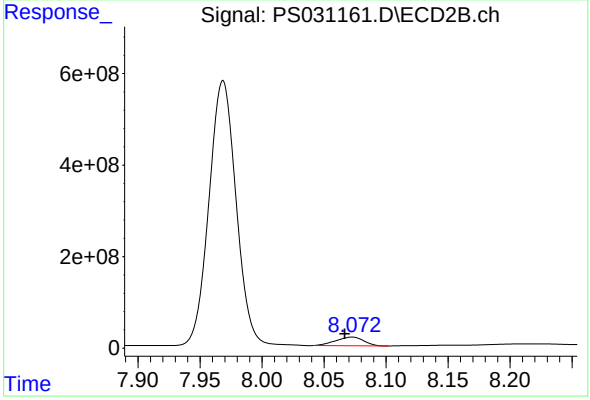
#5 DICAMBA

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



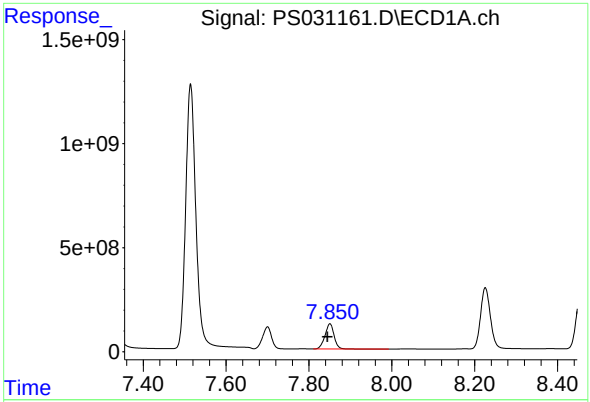
#6 MCPP

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



#6 MCPP

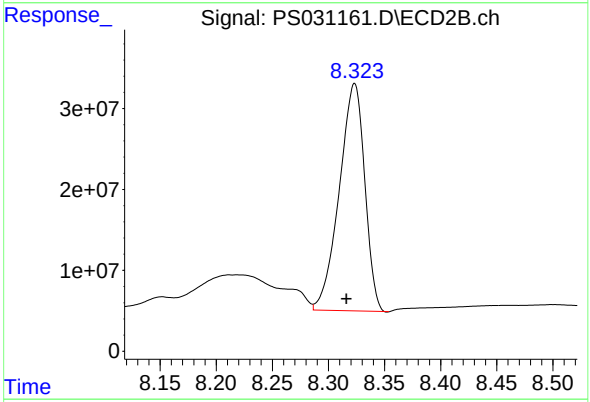
R.T.: 8.072 min
Delta R.T.: 0.006 min
Response: 297833100
Conc: 139.28 ug/ml



#7 MCPA

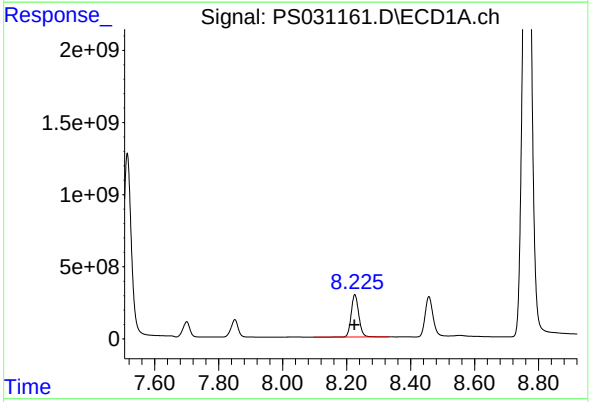
R.T.: 7.851 min
Delta R.T.: 0.006 min
Response: 1839792358
Conc: 146.30 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



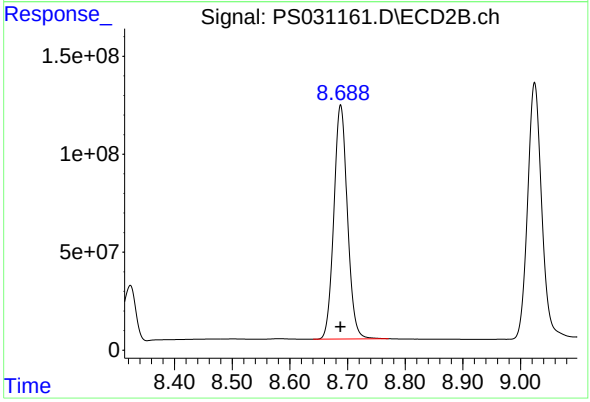
#7 MCPA

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



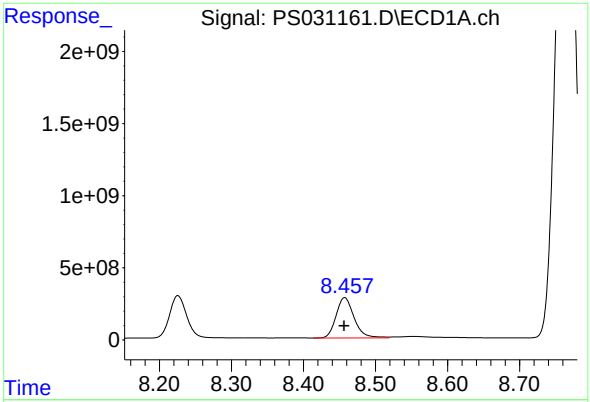
#8 DICHLORPROP

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



#8 DICHLORPROP

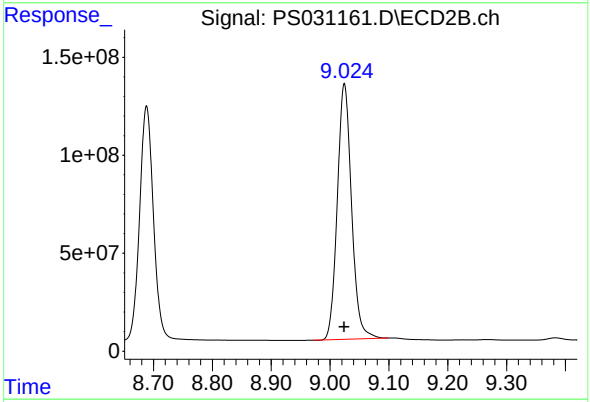
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1942272785
Conc: 1318.26 ng/ml



#9 2,4-D

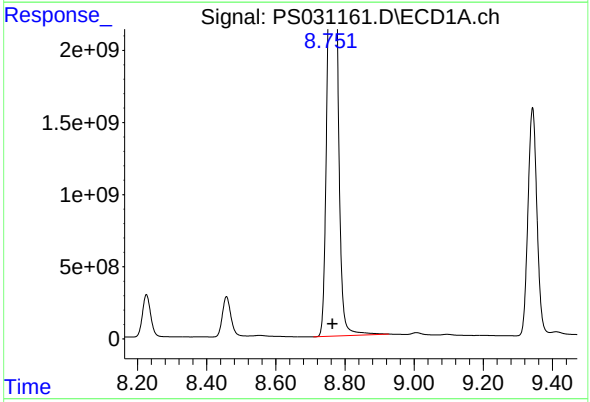
R.T.: 8.457 min
Delta R.T.: 0.000 min
Response: 4868771437
Conc: 1332.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



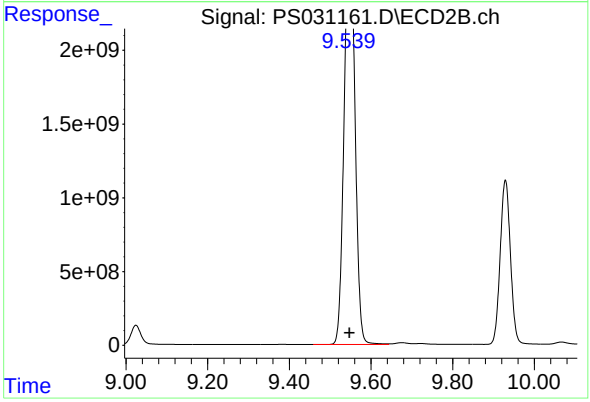
#9 2,4-D

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



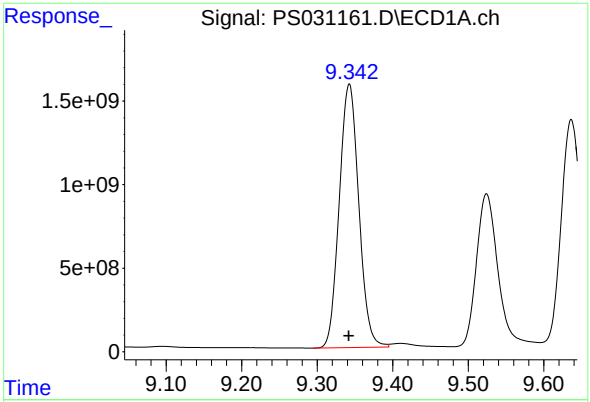
#10 Pentachlorophenol

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



#10 Pentachlorophenol

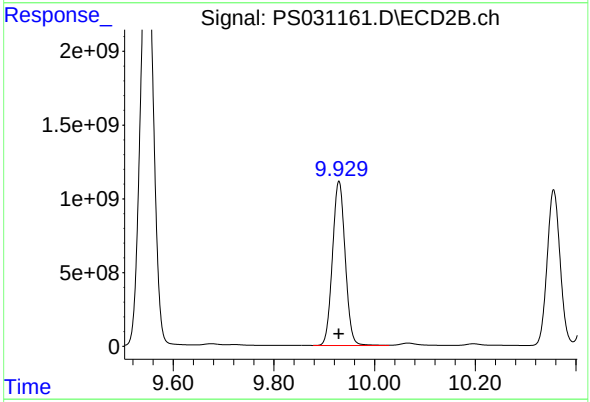
R.T.: 9.550 min
Delta R.T.: 0.002 min
Response: 46681007267
Conc: 1168.14 ng/ml



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

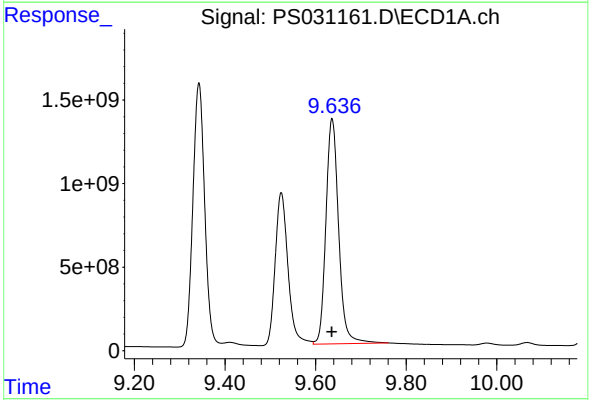
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 28356634711
Conc: 1310.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



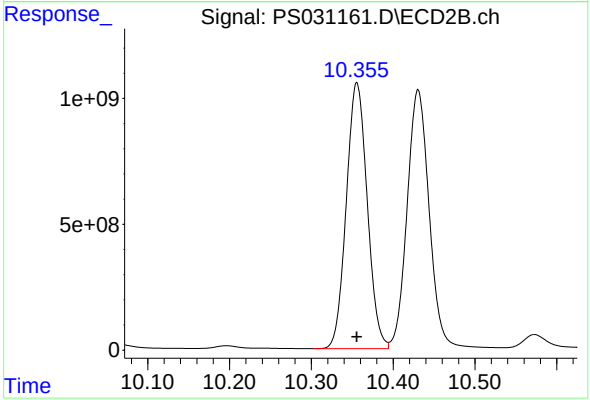
#11 2,4,5-TP (SILVEX)

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



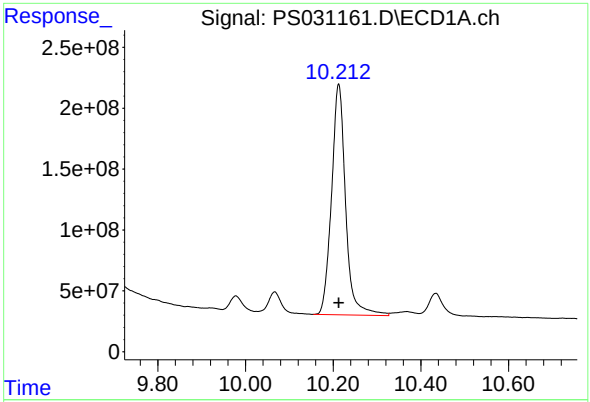
#12 2,4,5-T

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



#12 2,4,5-T

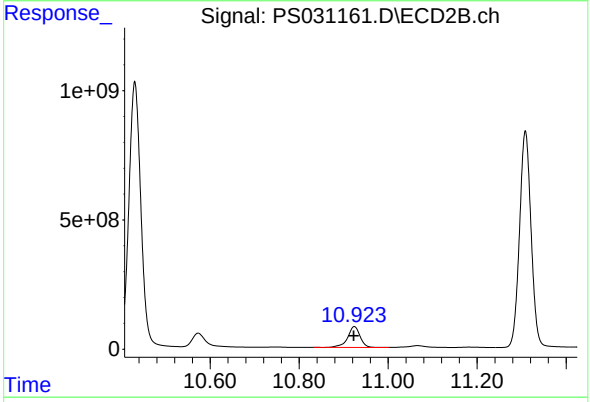
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 18777365882
Conc: 1326.42 ng/ml



#13 2,4-DB

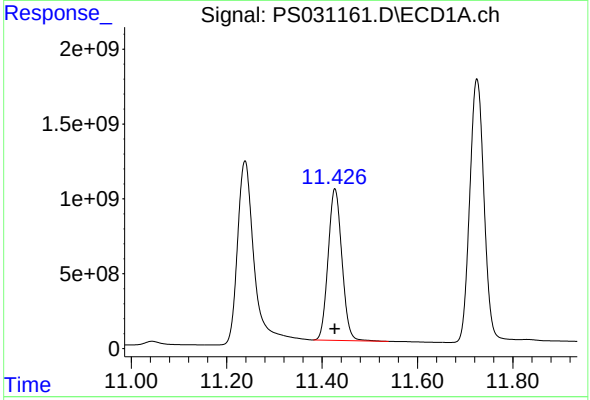
R.T.: 10.212 min
Delta R.T.: 0.000 min
Response: 4222668340
Conc: 1425.31 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



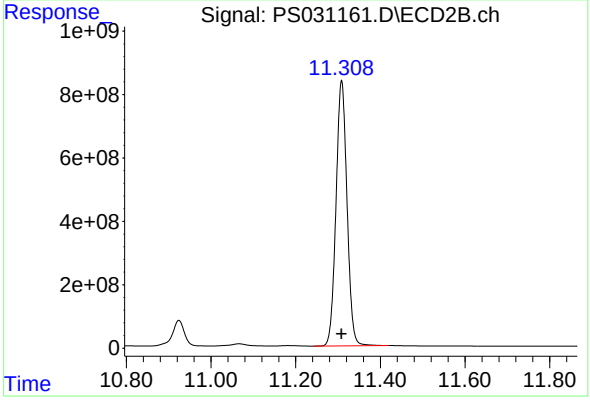
#13 2,4-DB

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



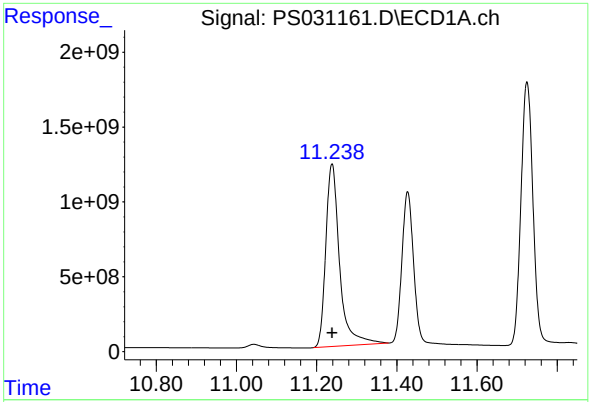
#14 DINOSEB

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



#14 DINOSEB

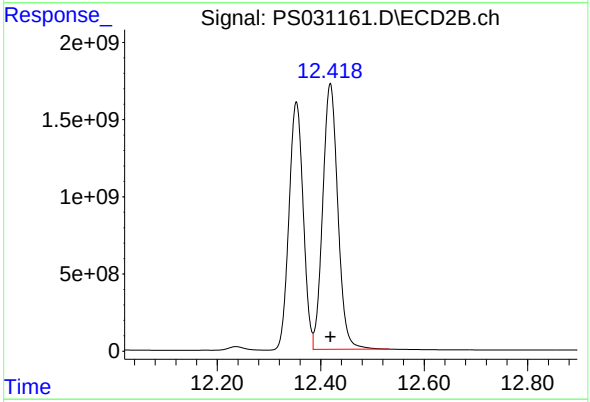
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 15081056737
Conc: 1341.04 ng/ml



#15 Picloram

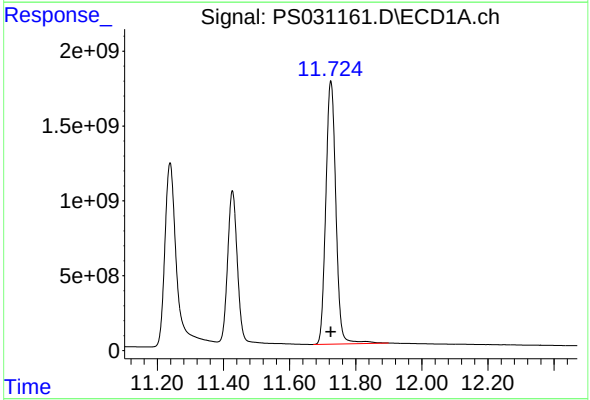
R.T.: 11.238 min
Delta R.T.: 0.000 min
Response: 29336086675
Conc: 1457.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



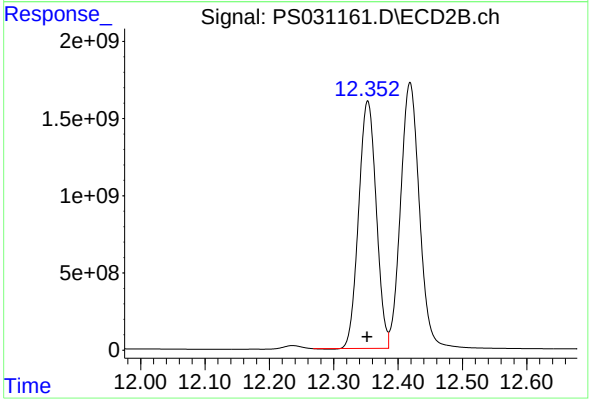
#15 Picloram

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)

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

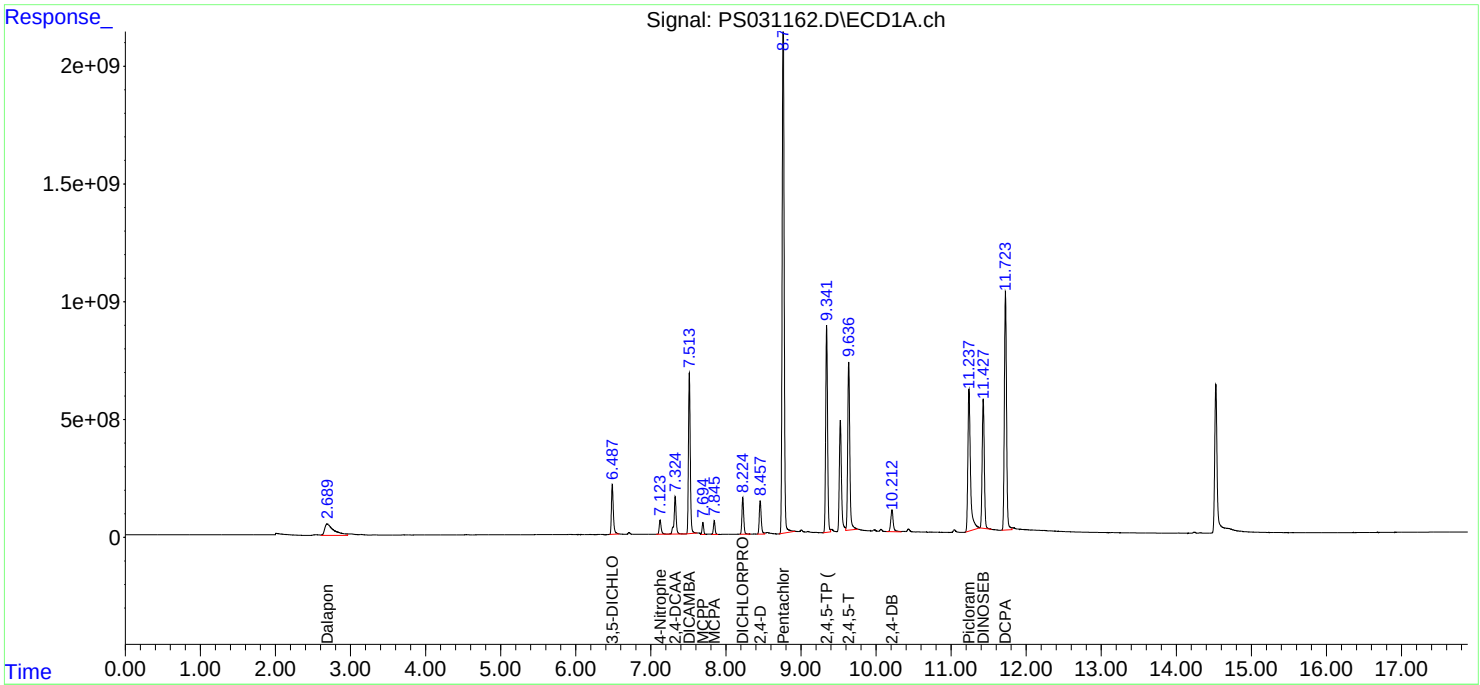
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

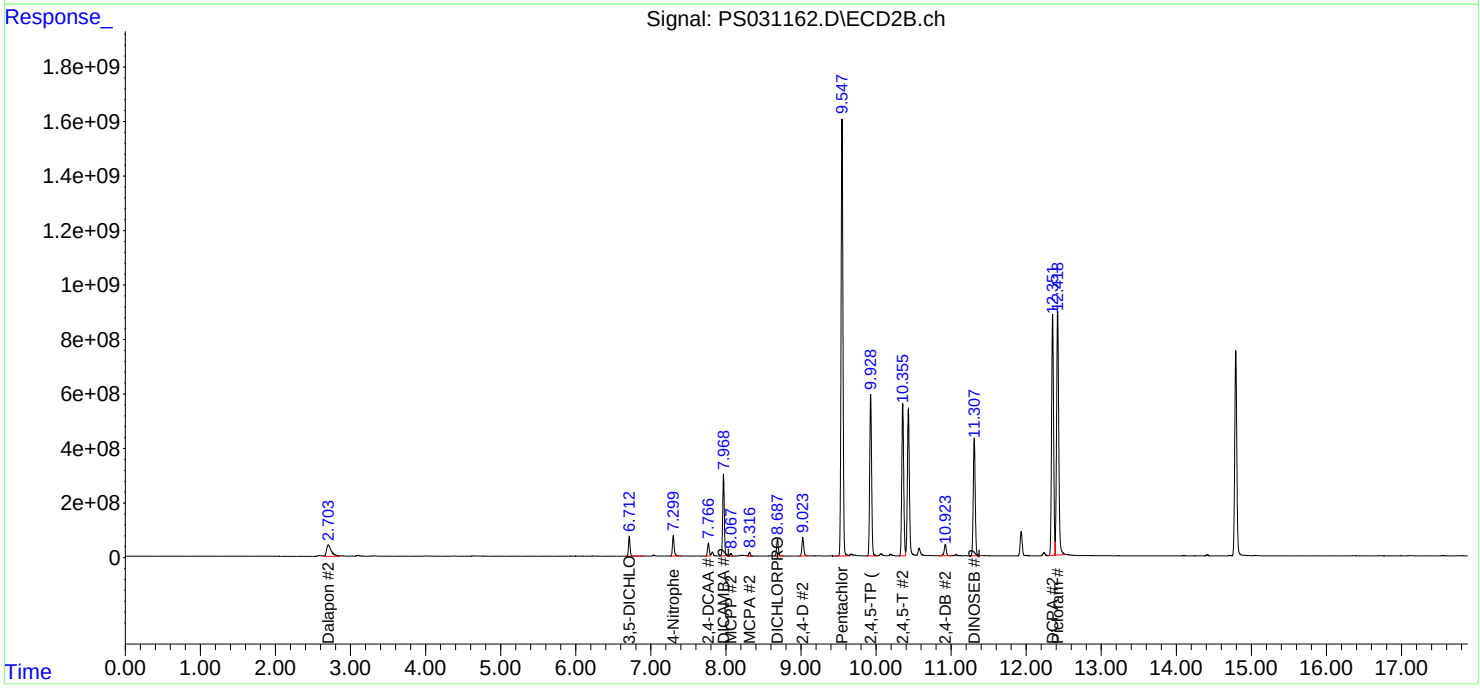
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031162.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:03
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

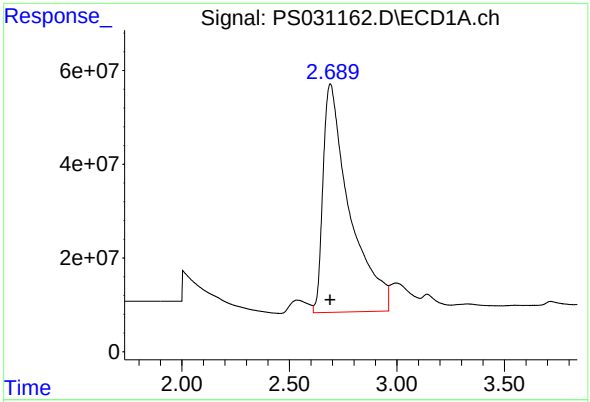
Instrument :
ECD_S
ClientSampleId :
ICVPS072125

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



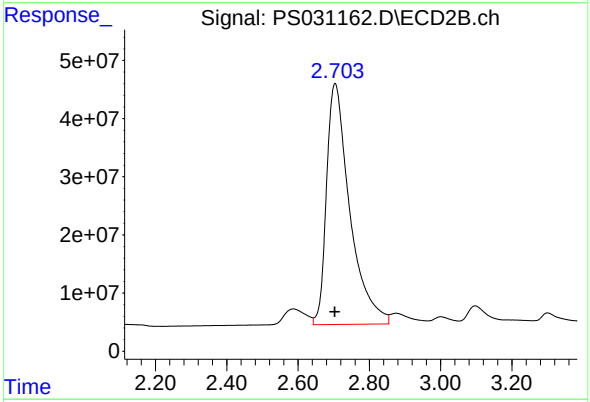




#1 Dalapon

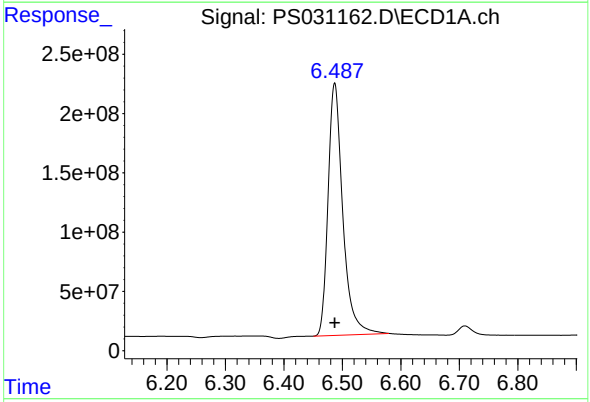
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 4173322568
Conc: 665.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



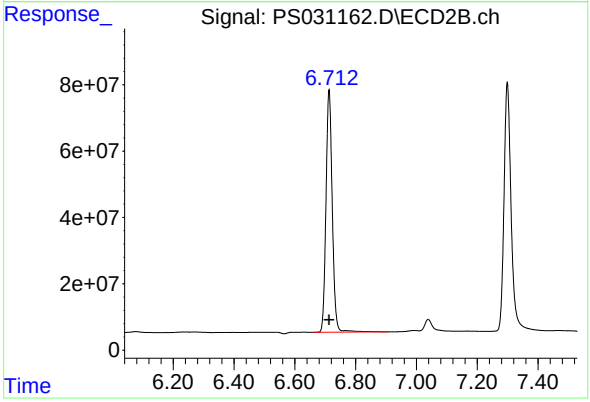
#1 Dalapon

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



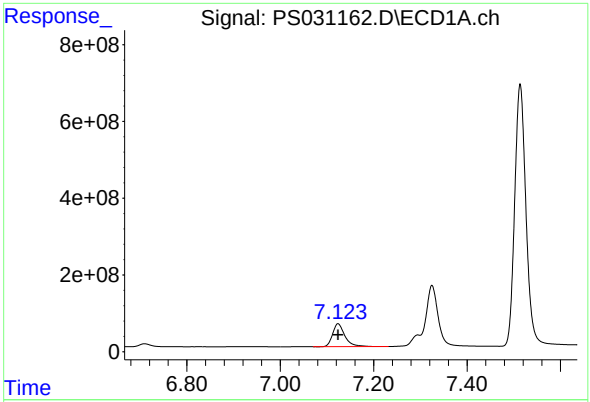
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

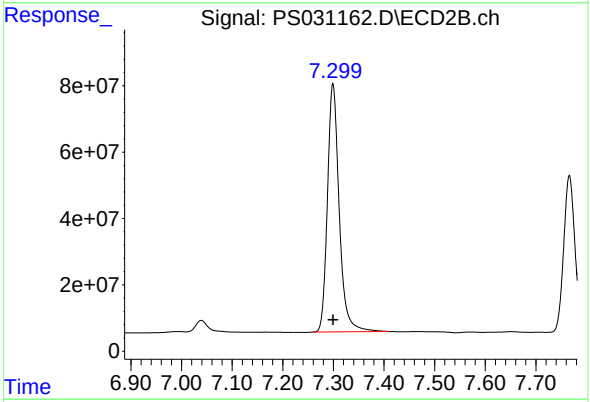
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1048938565
Conc: 681.18 ng/ml



#3 4-Nitrophenol

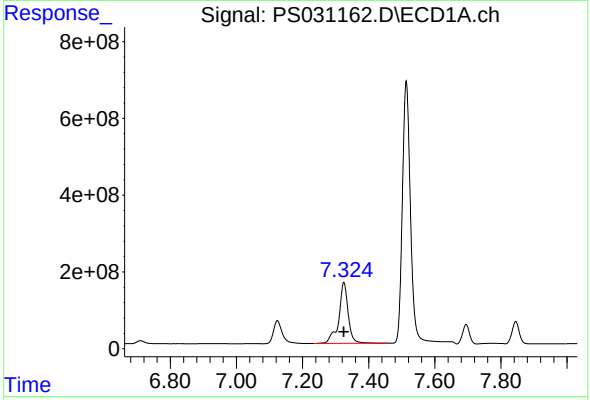
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1093855791
Conc: 663.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



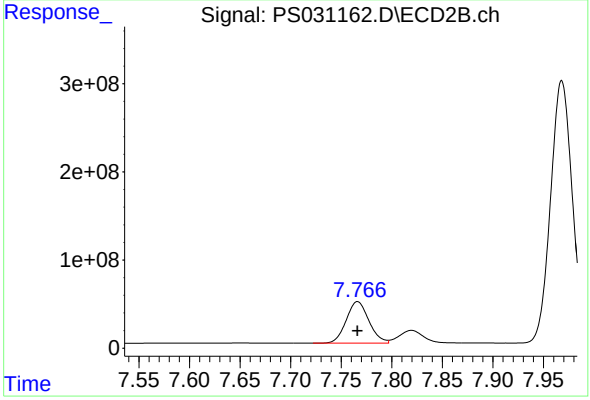
#3 4-Nitrophenol

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



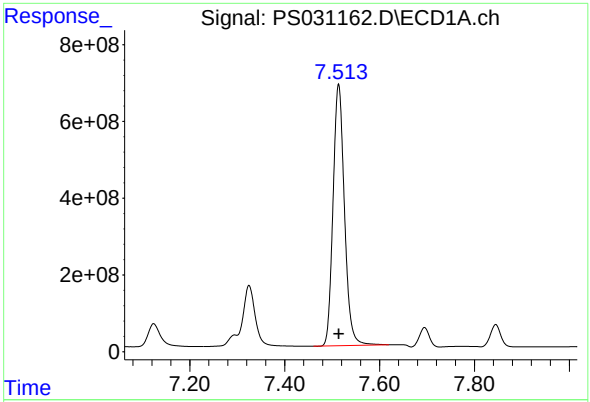
#4 2,4-DCAA

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



#4 2,4-DCAA

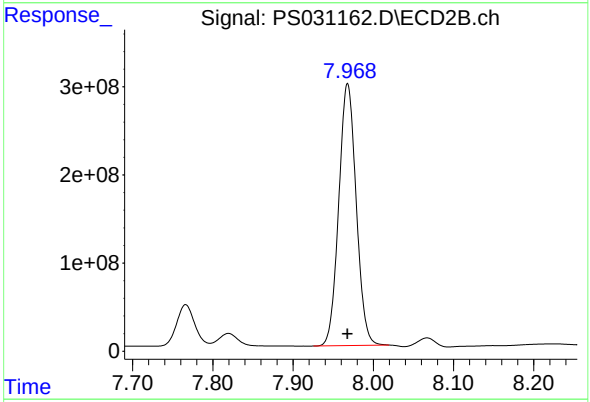
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 737725513
Conc: 726.85 ng/ml



#5 DICAMBA

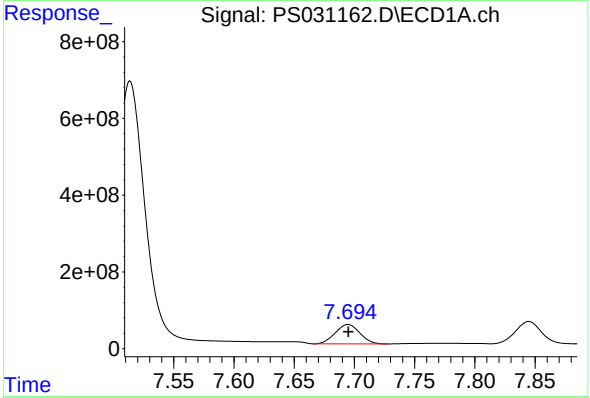
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 11383740526
Conc: 690.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



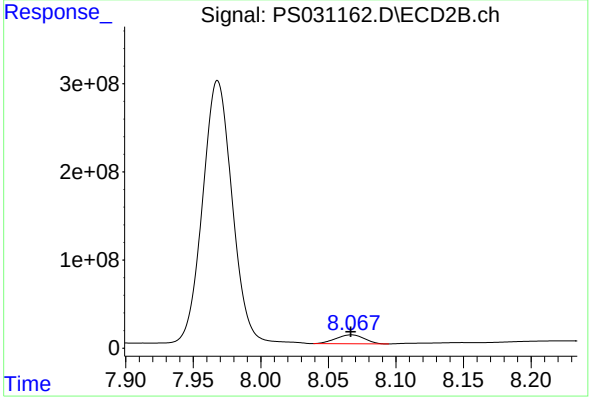
#5 DICAMBA

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



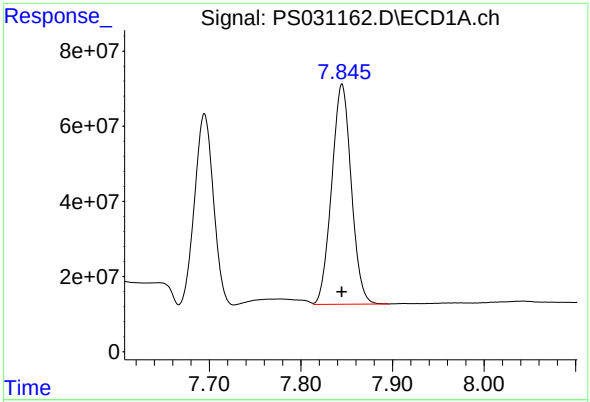
#6 MCPP

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



#6 MCPP

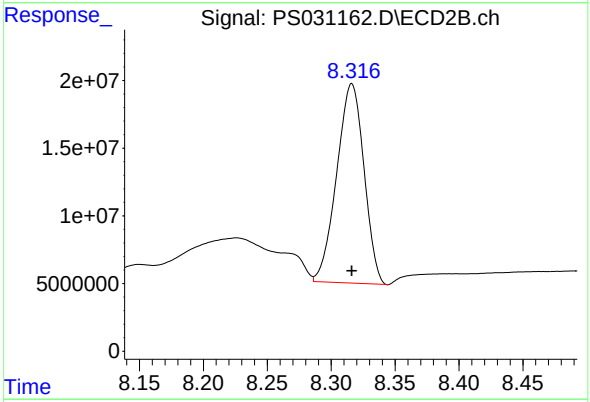
R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 149138351
Conc: 71.78 ug/ml



#7 MCPA

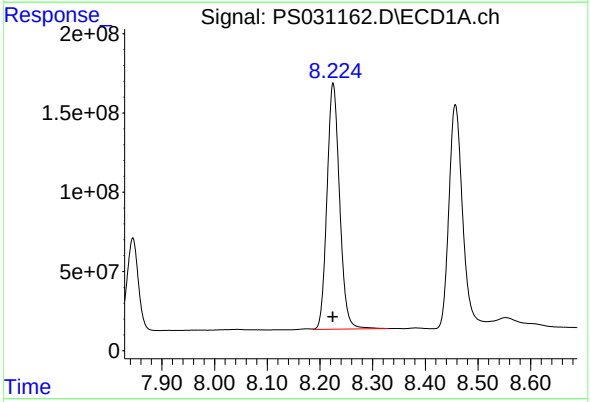
R.T.: 7.845 min
Delta R.T.: 0.000 min
Response: 870067277
Conc: 69.53 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



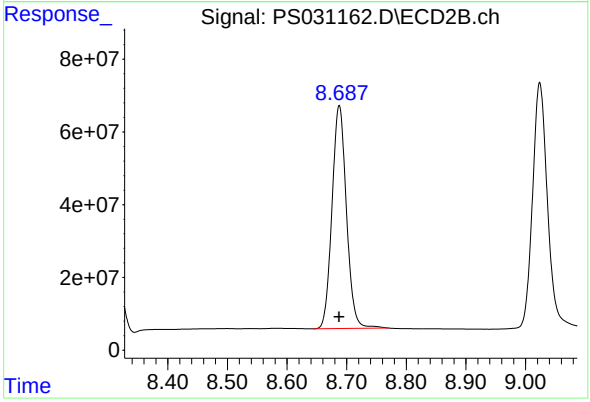
#7 MCPA

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



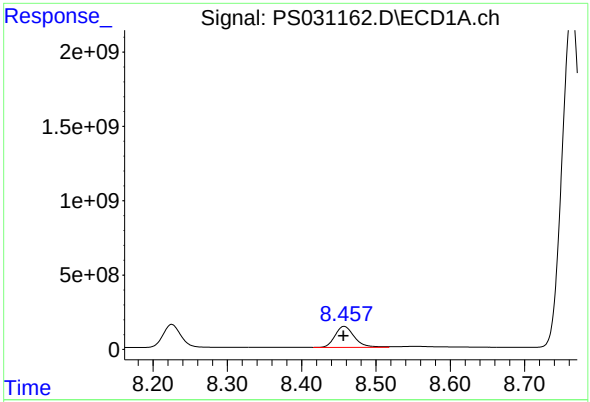
#8 DICHLORPROP

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



#8 DICHLORPROP

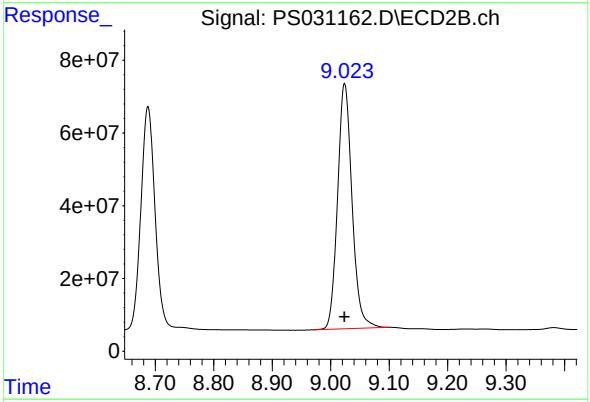
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1032455050
Conc: 681.55 ng/ml



#9 2,4-D

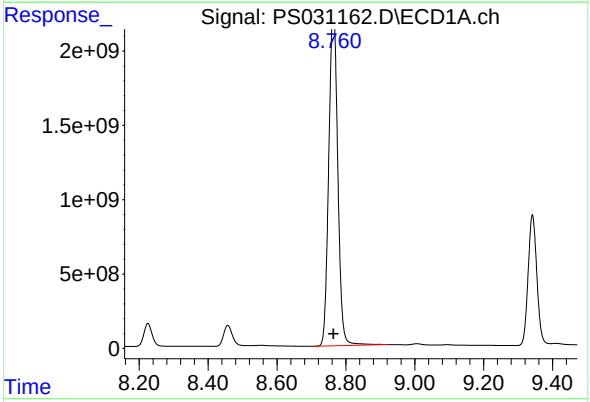
R.T.: 8.457 min
Delta R.T.: 0.000 min
Response: 2569354129
Conc: 687.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



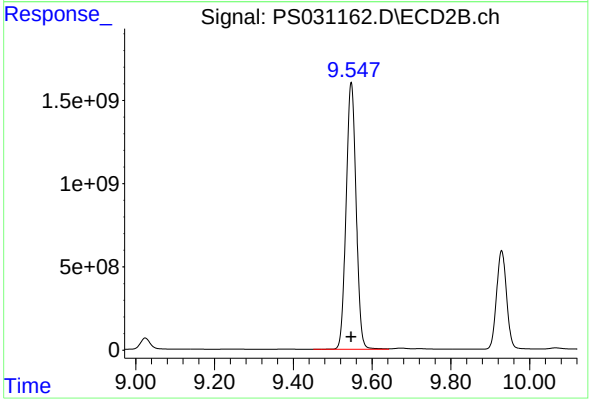
#9 2,4-D

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



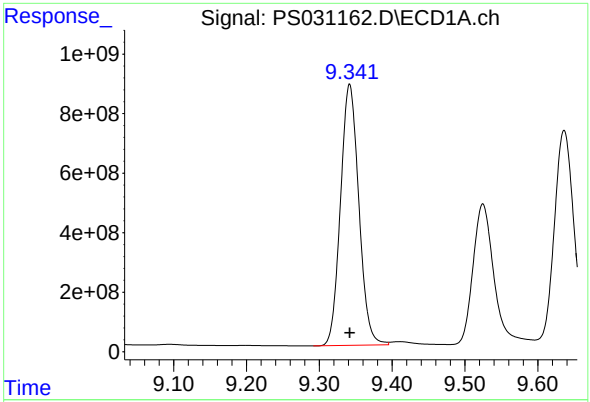
#10 Pentachlorophenol

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



#10 Pentachlorophenol

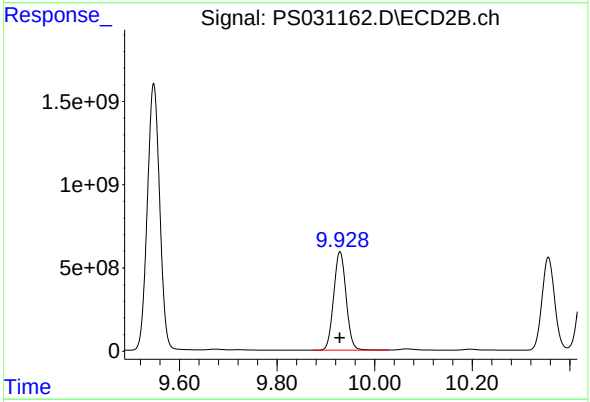
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 28167947869
Conc: 720.75 ng/ml



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

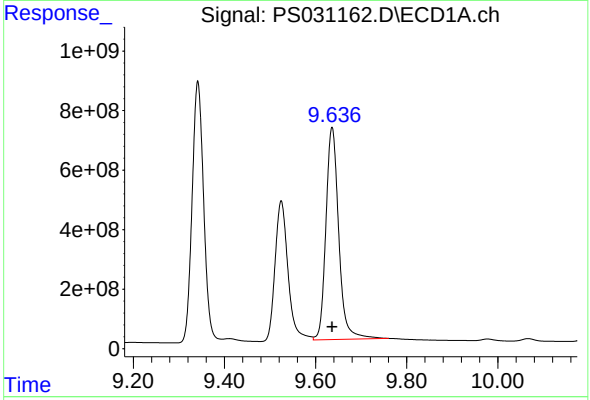
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 15373956822
Conc: 700.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



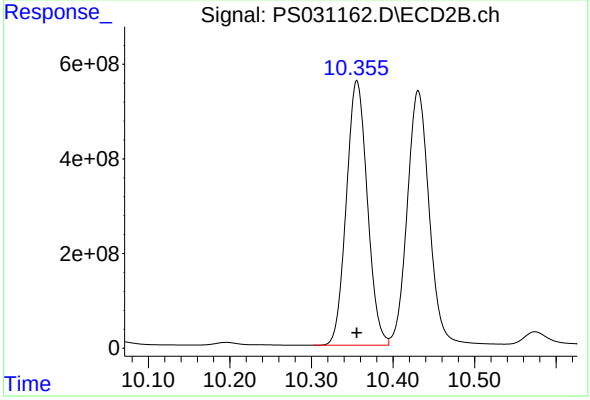
#11 2,4,5-TP (SILVEX)

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



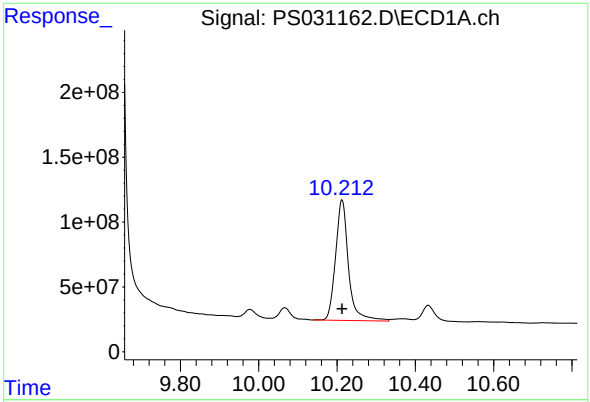
#12 2,4,5-T

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



#12 2,4,5-T

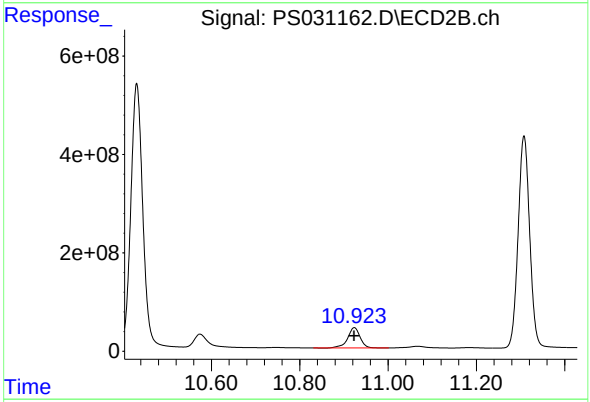
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 10005648557
Conc: 703.66 ng/ml



#13 2,4-DB

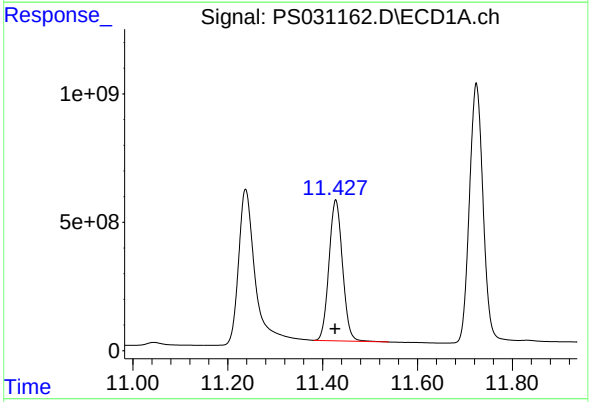
R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 2126850488
Conc: 711.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



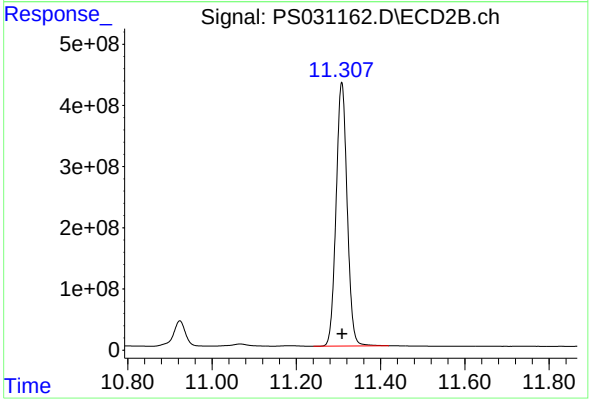
#13 2,4-DB

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



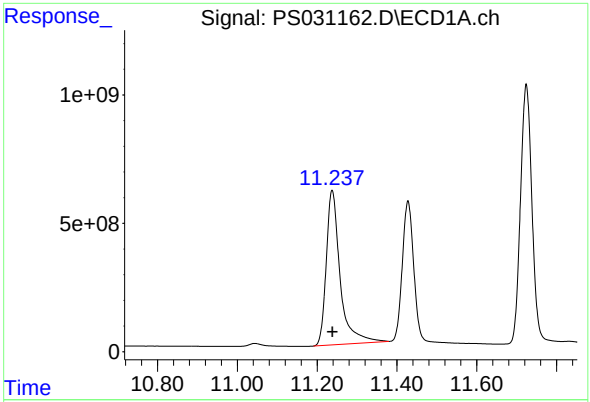
#14 DINOSEB

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



#14 DINOSEB

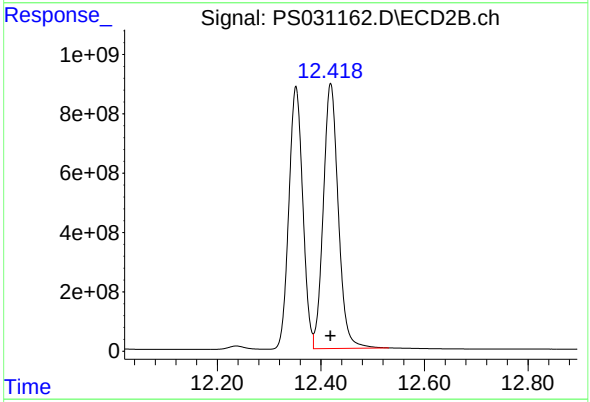
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 7842727860
Conc: 693.92 ng/ml



#15 Picloram

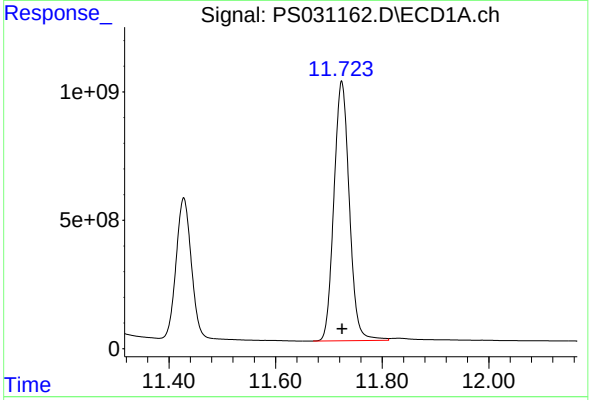
R.T.: 11.238 min
Delta R.T.: 0.000 min
Response: 14555030992
Conc: 727.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



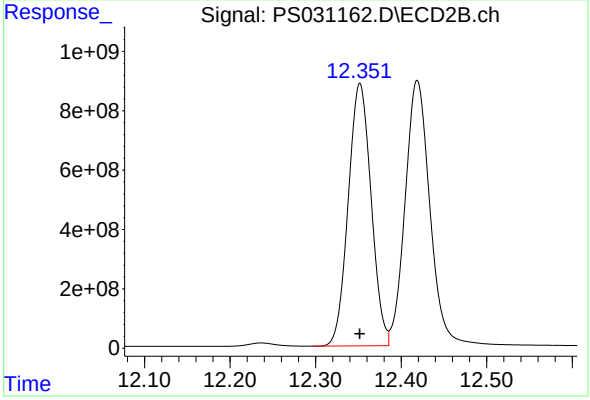
#15 Picloram

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

Continuing Calib Date: 07/17/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 10:04 **Initial Calibration Time(s):** 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.52	7.52	7.42	7.62	0.00
2,4-DCAA	7.33	7.33	7.23	7.43	0.00
Dalapon	2.69	2.70	2.60	2.80	0.01
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.46	8.47	8.37	8.57	0.01
2,4,5-TP(Silvex)	9.35	9.35	9.25	9.45	0.00
2,4,5-T	9.64	9.65	9.55	9.75	0.01
2,4-DB	10.22	10.23	10.13	10.33	0.01
Dinoseb	11.44	11.44	11.34	11.54	0.00

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Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

Continuing Calib Date: 07/17/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 10:04 **Initial Calibration Time(s):** 16:00 17:36

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	0.00
Dalapon	2.70	2.71	2.61	2.81	0.01
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/17/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031089.D **Time Analyzed:** 10:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.643	9.547	9.747	832.110	712.500	16.8
2,4,5-TP(Silvex)	9.348	9.253	9.453	727.860	712.500	2.2
2,4-D	8.463	8.367	8.567	779.000	705.000	10.5
2,4-DB	10.220	10.125	10.325	918.400	712.500	28.9
2,4-DCAA	7.329	7.233	7.433	616.310	750.000	-17.8
Dalapon	2.692	2.598	2.798	596.770	682.500	-12.6
DICAMBA	7.519	7.422	7.622	648.490	705.000	-8.0
DICHLORPROP	8.231	8.135	8.335	664.120	705.000	-5.8
Dinoseb	11.435	11.339	11.539	722.950	705.000	2.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/17/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031089.D **Time Analyzed:** 10:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.359	10.258	10.458	601.660	712.500	-15.6
2,4,5-TP(Silvex)	9.932	9.832	10.032	600.130	712.500	-15.8
2,4-D	9.027	8.927	9.127	582.660	705.000	-17.4
2,4-DB	10.927	10.826	11.026	591.890	712.500	-16.9
2,4-DCAA	7.768	7.669	7.869	612.160	750.000	-18.4
Dalapon	2.704	2.608	2.808	566.740	682.500	-17.0
DICAMBA	7.971	7.871	8.071	583.860	705.000	-17.2
DICHLORPROP	8.691	8.591	8.791	580.540	705.000	-17.7
Dinoseb	11.311	11.210	11.410	580.320	705.000	-17.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031089.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 10:04
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 12:34:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.329	7.768	2437.6E6	634.2E6	616.315m	612.160
		Target Compounds						
1)	T	Dalapon	2.692	2.704	3635.3E6	1611.2E6	596.767	566.743
2)	T	3,5-DICHL...	6.491	6.715	3388.9E6	869.2E6	646.918	560.638
3)	T	4-Nitroph...	7.129	7.301	1074.2E6	992.3E6	795.684	568.988 #
5)	T	DICAMBA	7.519	7.971	10175.3E6	3781.3E6	648.486	583.856
6)	T	MCPP	7.700	8.069	596.9E6	124.4E6	64.873	58.175
7)	T	MCPA	7.850	8.317	744.5E6	187.0E6	68.256	58.337
8)	T	DICHLORPROP	8.231	8.691	2261.4E6	882.0E6	664.115	580.542
9)	T	2,4-D	8.463	9.027	2398.1E6	990.2E6	779.001	582.656 #
10)	T	Pentachlo...	8.770	9.550	36148.9E6	23708.2E6	719.216	615.237
11)	T	2,4,5-TP ...	9.348	9.932	13545.9E6	8807.4E6	727.855	600.131
12)	T	2,4,5-T	9.643	10.359	12659.1E6	8418.3E6	832.109	601.659 #
13)	T	2,4-DB	10.220	10.927	1993.7E6	700.3E6	918.401	591.886 #
14)	T	DINOSEB	11.435	11.311	9531.3E6	6587.5E6	722.947	580.316
15)	T	Picloram	11.247	12.422	13666.3E6	14907.2E6	937.848	634.871 #
16)	T	DCPA	11.732	12.355	17995.2E6	13593.6E6	751.767	602.766

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

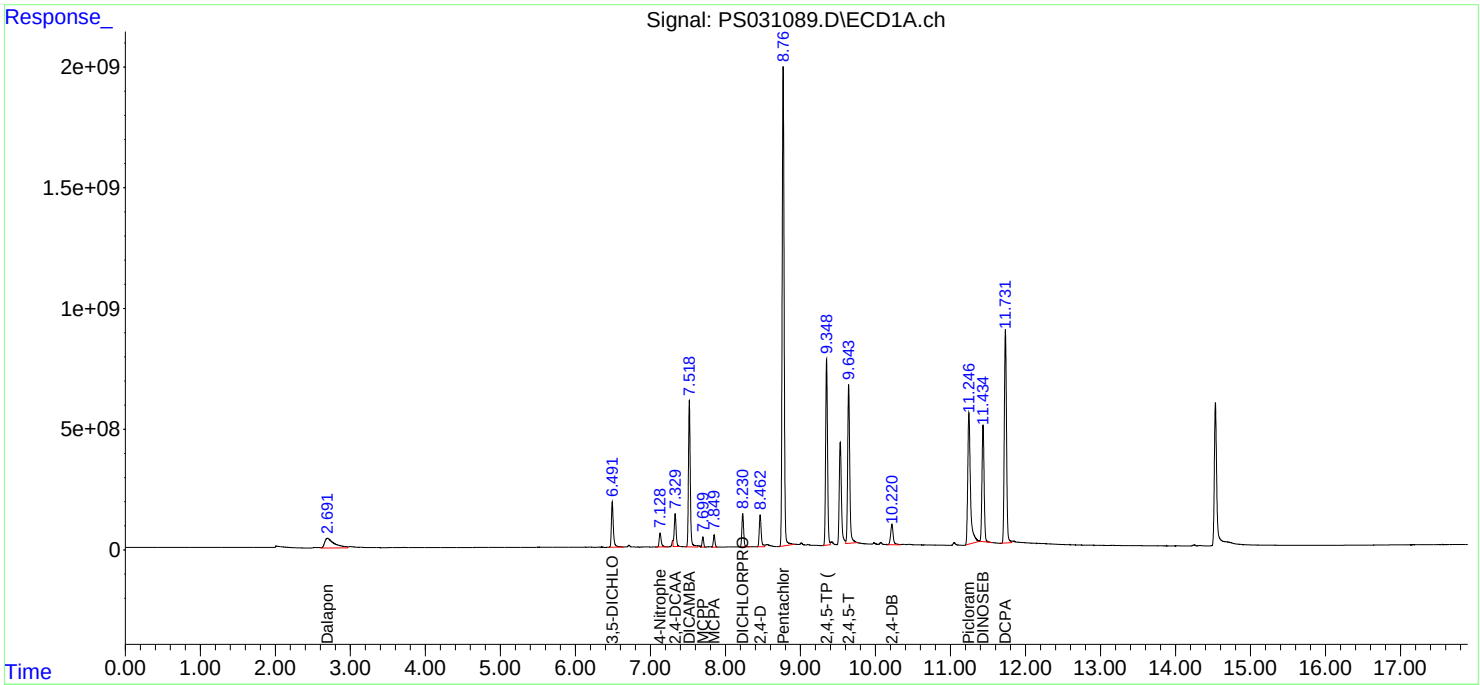
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031089.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 10:04
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

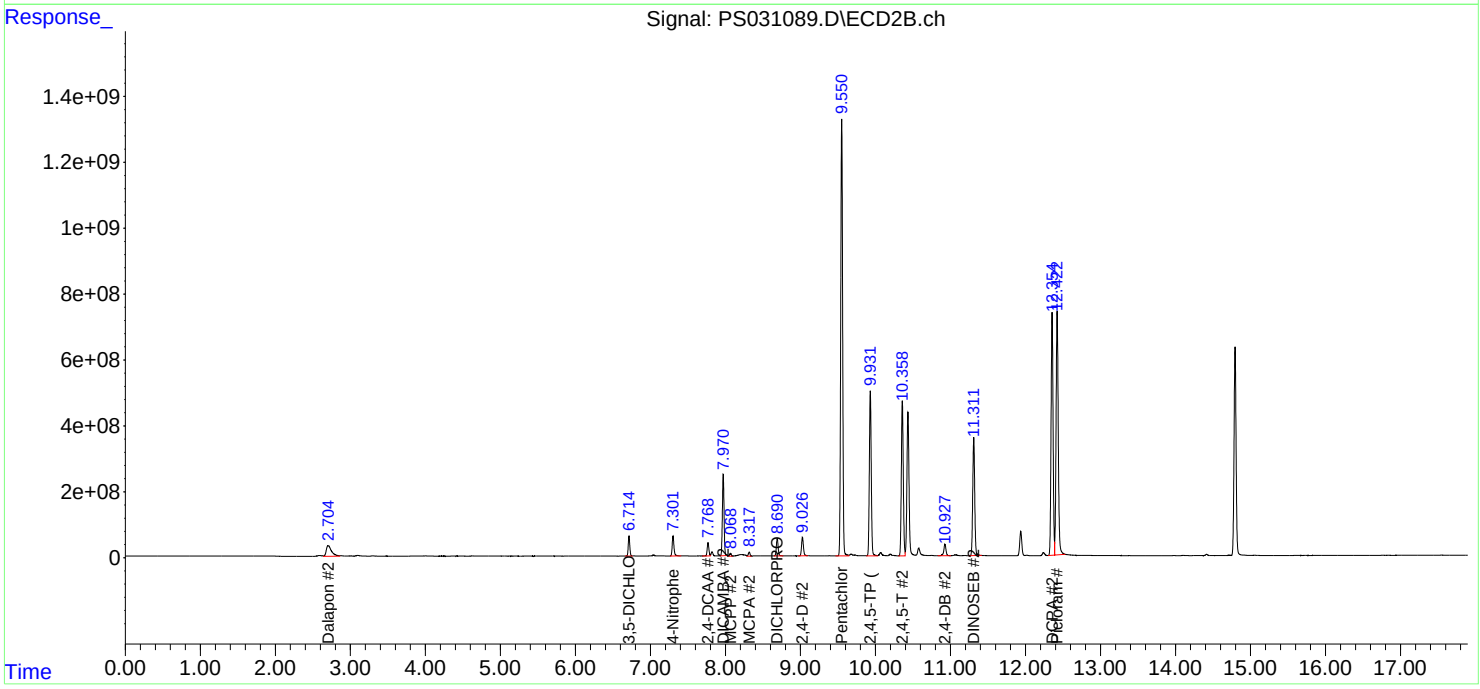
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

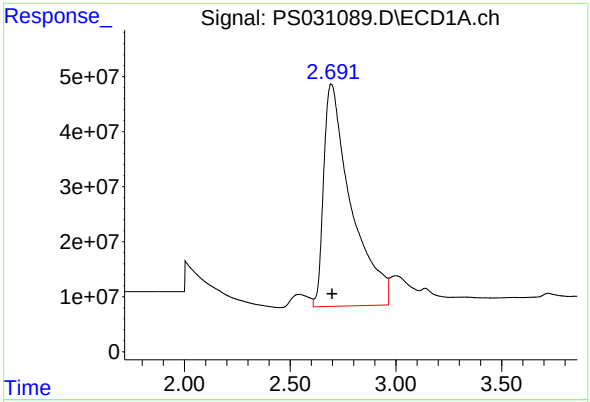
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 12:34:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







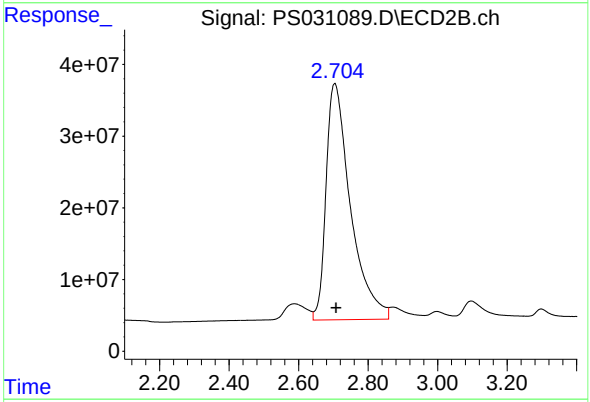
#1 Dalapon

R.T.: 2.692 min
Delta R.T.: -0.006 min
Response: 3635340939
Conc: 596.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

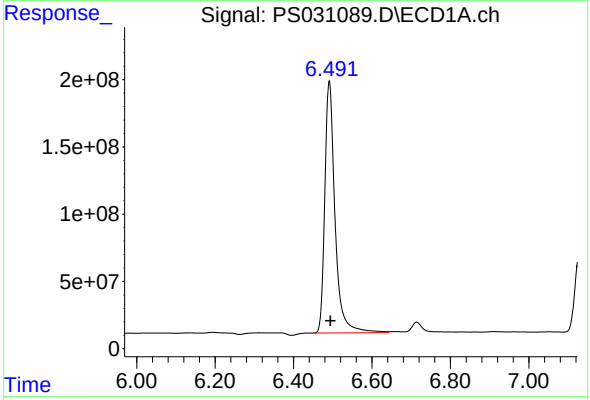
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



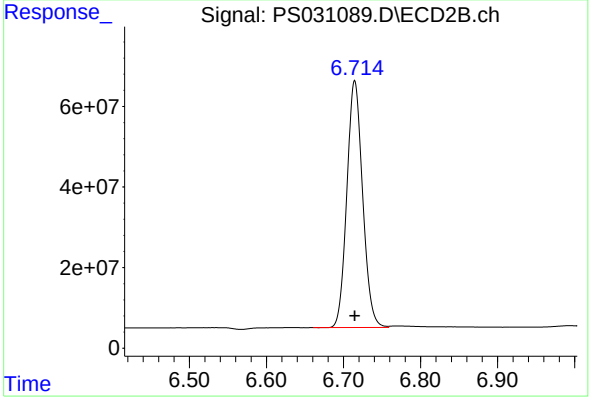
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: -0.004 min
Response: 1611169842
Conc: 566.74 ng/ml



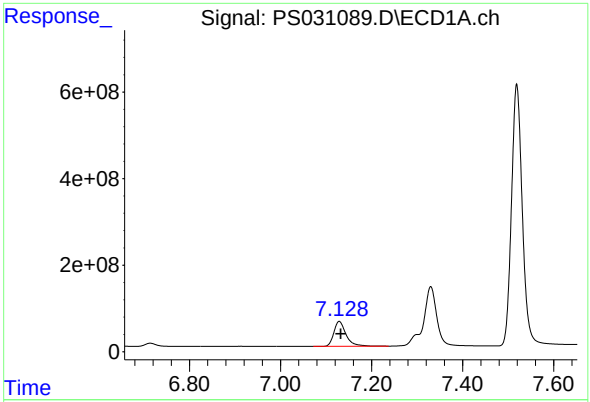
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.491 min
Delta R.T.: -0.003 min
Response: 3388946805
Conc: 646.92 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 869177356
Conc: 560.64 ng/ml



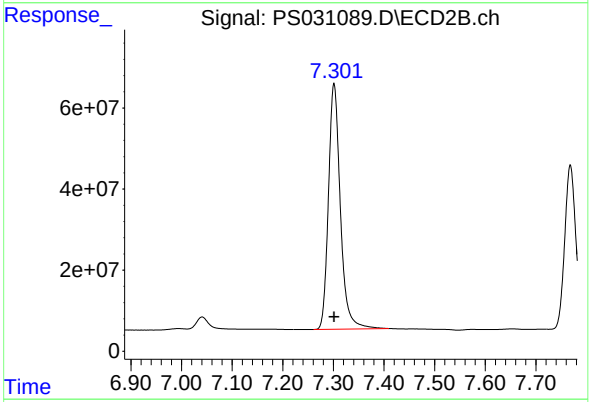
#3 4-Nitrophenol

R.T.: 7.129 min
Delta R.T.: -0.003 min
Response: 1074180202
Conc: 795.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

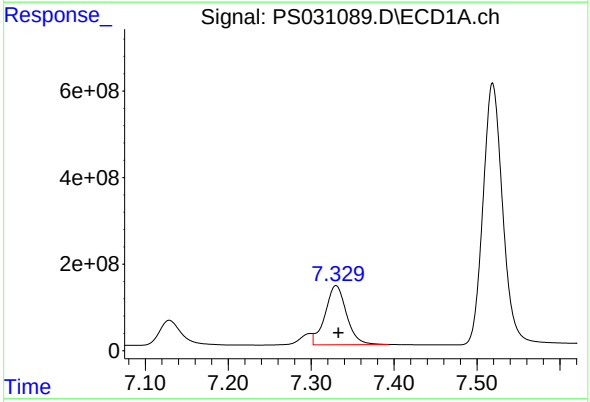
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



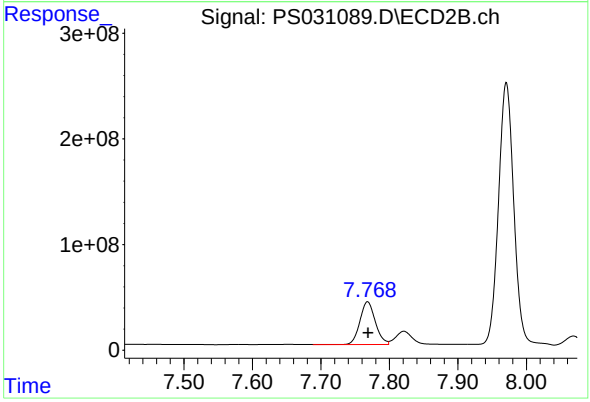
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 992251759
Conc: 568.99 ng/ml



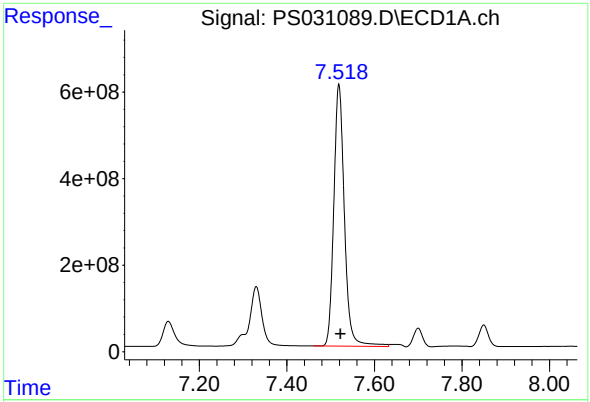
#4 2,4-DCAA

R.T.: 7.329 min
Delta R.T.: -0.003 min
Response: 2437571795
Conc: 616.31 ng/ml m



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 634217901
Conc: 612.16 ng/ml



#5 DICAMBA

R.T.: 7.519 min
Delta R.T.: -0.004 min
Response: 10175332260
Conc: 648.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

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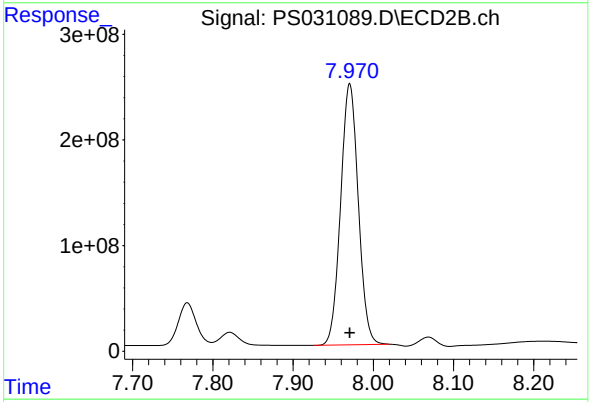
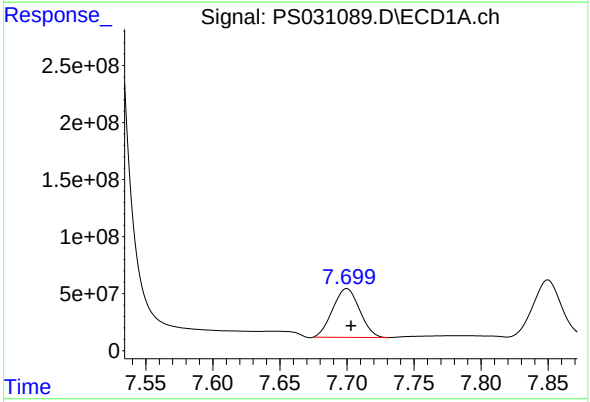
Supervised By :mohammad ahmed 07/19/2025



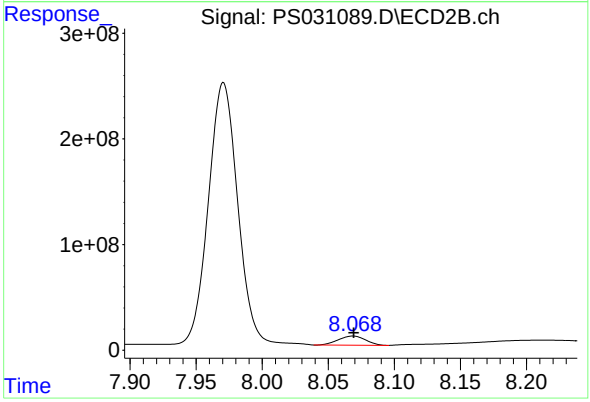
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 3781297610
Conc: 583.86 ng/ml



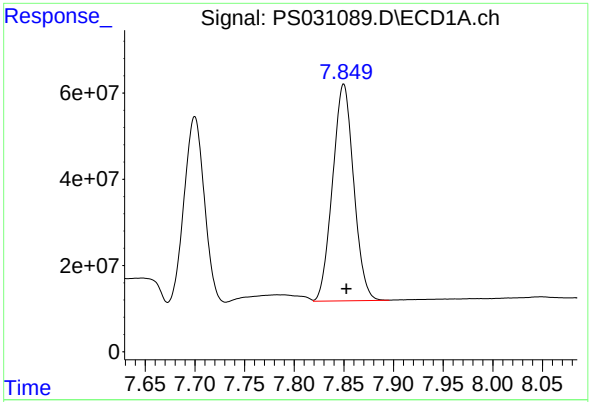
#6 MCPP

R.T.: 7.700 min
Delta R.T.: -0.003 min
Response: 596918022
Conc: 64.87 ug/ml



#6 MCPP

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 124375634
Conc: 58.18 ug/ml



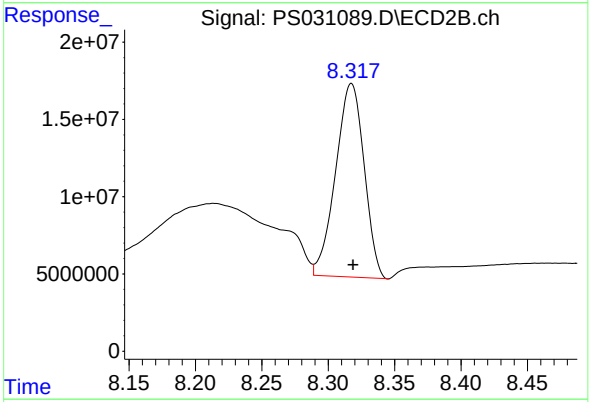
#7 MCPA

R.T.: 7.850 min
Delta R.T.: -0.003 min
Response: 744450274
Conc: 68.26 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

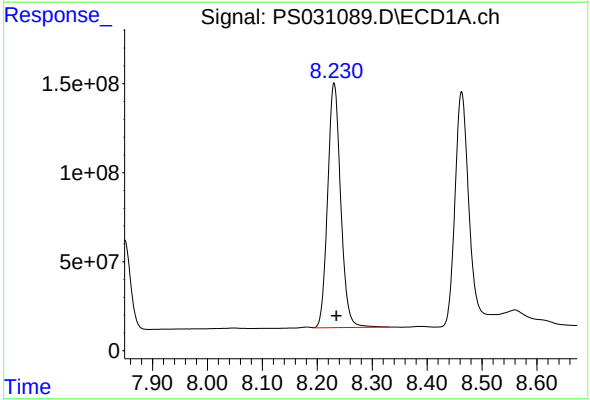
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



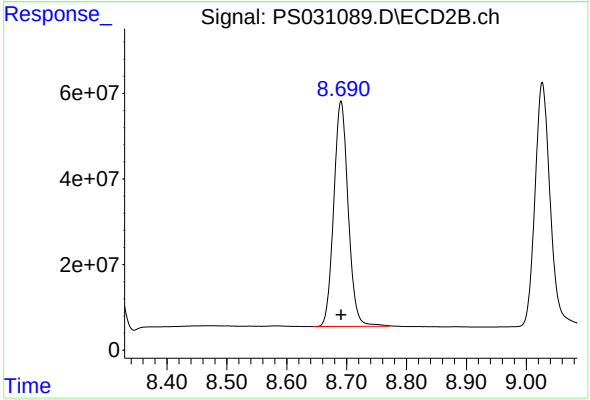
#7 MCPA

R.T.: 8.317 min
Delta R.T.: -0.001 min
Response: 187009760
Conc: 58.34 ug/ml



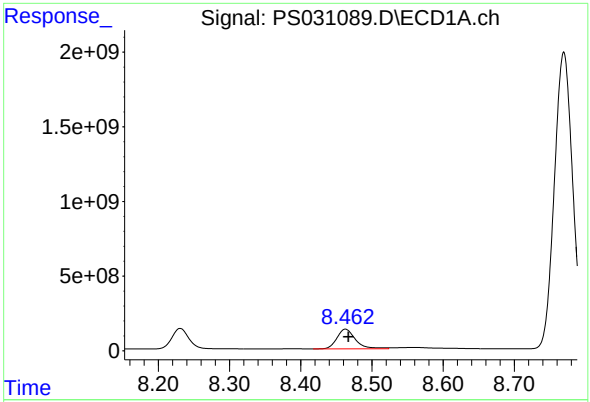
#8 DICHLORPROP

R.T.: 8.231 min
Delta R.T.: -0.004 min
Response: 2261414931
Conc: 664.12 ng/ml



#8 DICHLORPROP

R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 881994246
Conc: 580.54 ng/ml



#9 2,4-D

R.T.: 8.463 min
Delta R.T.: -0.004 min
Response: 2398104431
Conc: 779.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

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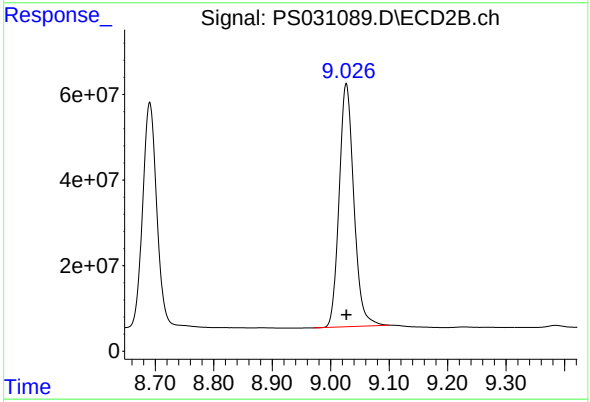
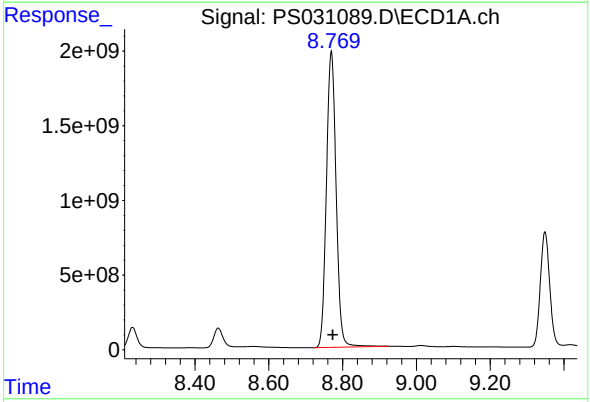
Supervised By :mohammad ahmed 07/19/2025



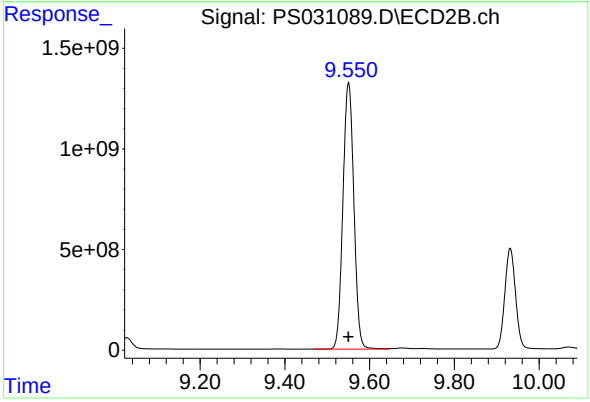
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 990203740
Conc: 582.66 ng/ml



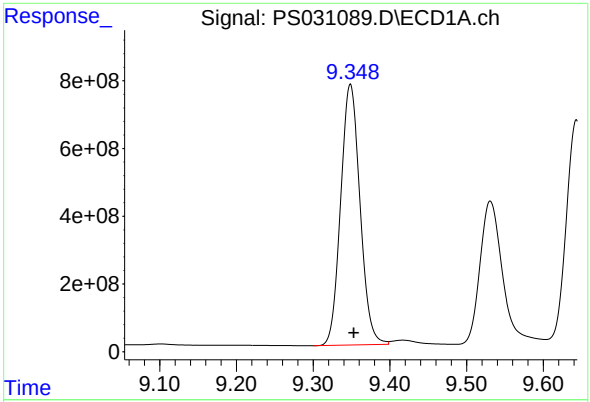
#10 Pentachlorophenol

R.T.: 8.770 min
Delta R.T.: -0.004 min
Response: 36148930041
Conc: 719.22 ng/ml



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 23708179379
Conc: 615.24 ng/ml



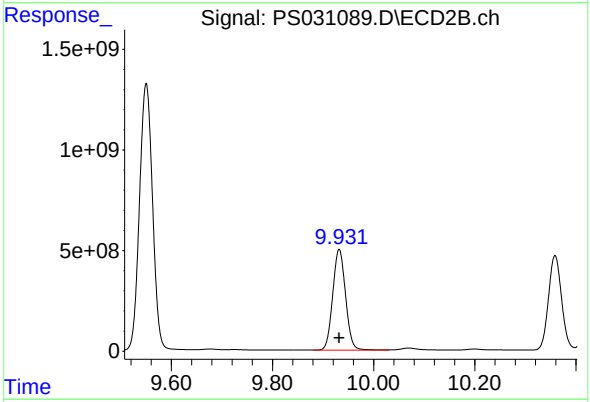
#11 2,4,5-TP (SILVEX)

R.T.: 9.348 min
Delta R.T.: -0.005 min
Response: 13545922778
Conc: 727.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

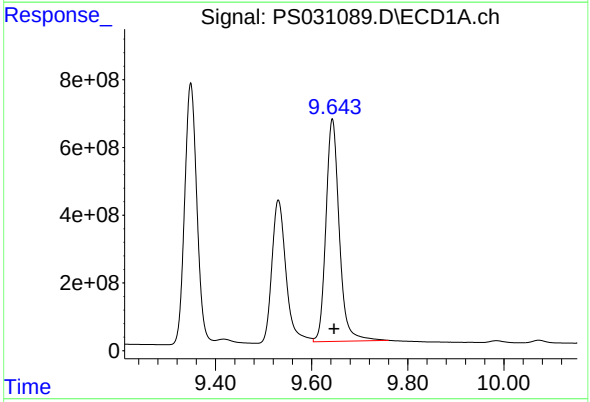
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



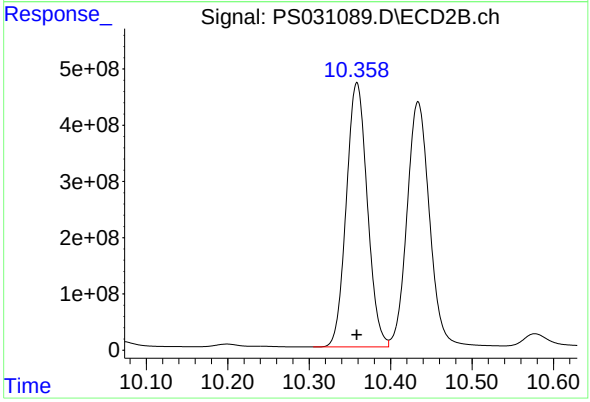
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 8807387850
Conc: 600.13 ng/ml



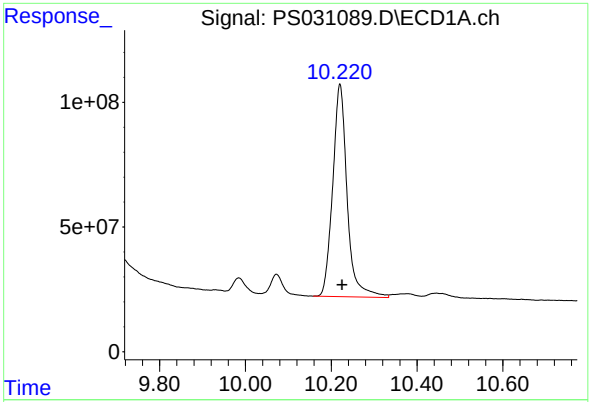
#12 2,4,5-T

R.T.: 9.643 min
Delta R.T.: -0.004 min
Response: 12659132061
Conc: 832.11 ng/ml



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 8418306956
Conc: 601.66 ng/ml



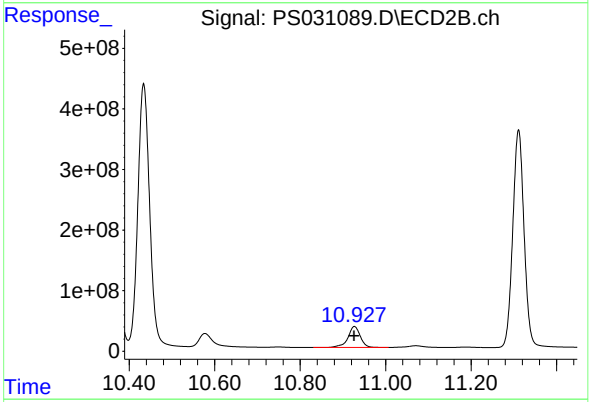
#13 2,4-DB

R.T.: 10.220 min
Delta R.T.: -0.005 min
Response: 1993656135
Conc: 918.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

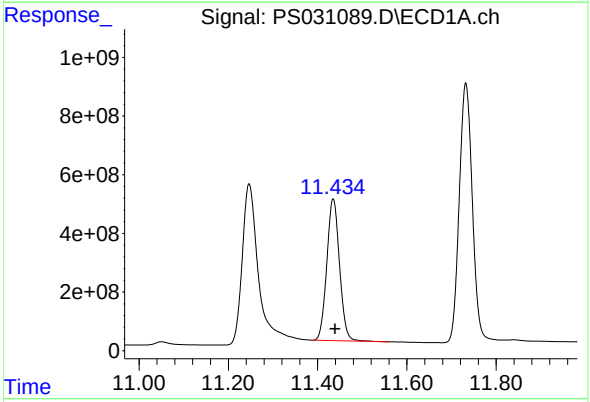
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



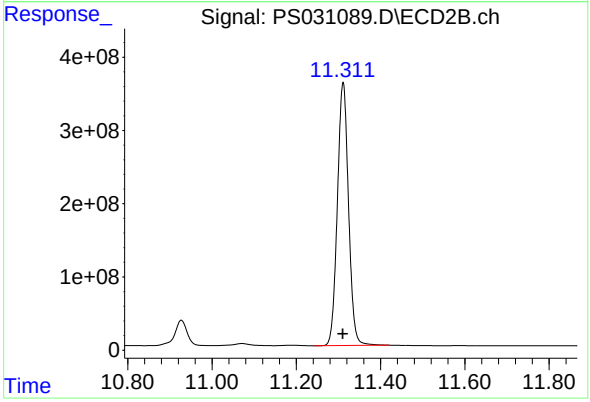
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.001 min
Response: 700308454
Conc: 591.89 ng/ml



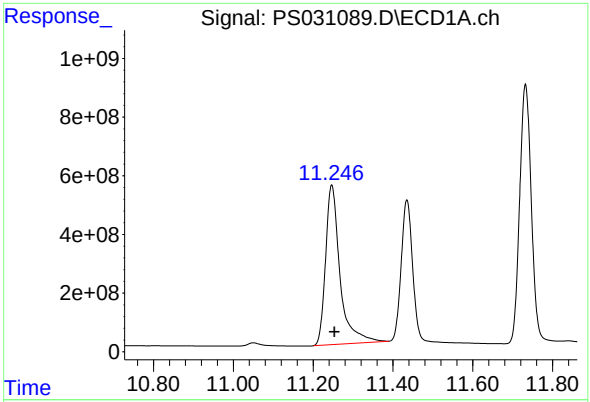
#14 DINOSEB

R.T.: 11.435 min
Delta R.T.: -0.004 min
Response: 9531257163
Conc: 722.95 ng/ml



#14 DINOSEB

R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 6587465228
Conc: 580.32 ng/ml



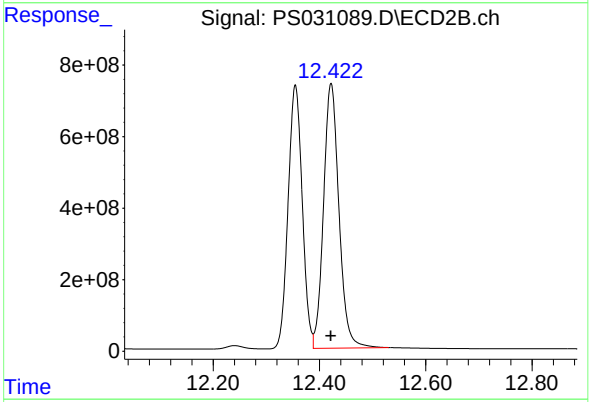
#15 Picloram

R.T.: 11.247 min
Delta R.T.: -0.007 min
Response: 13666276186
Conc: 937.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

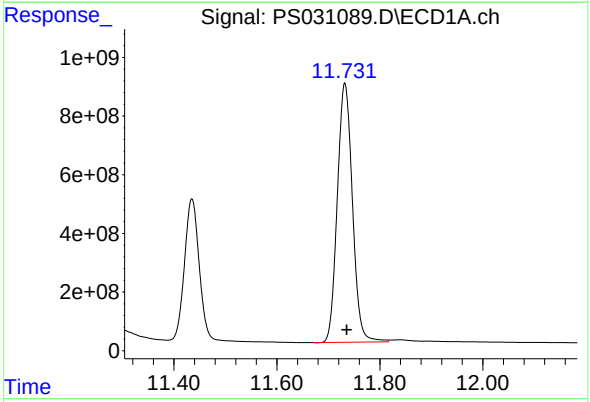
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



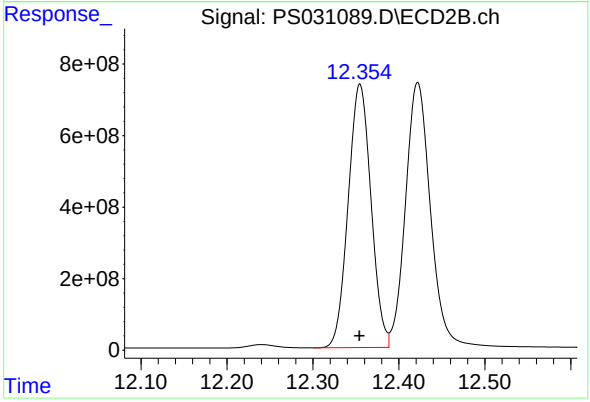
#15 Picloram

R.T.: 12.422 min
Delta R.T.: 0.000 min
Response: 14907181076
Conc: 634.87 ng/ml



#16 DCPA

R.T.: 11.732 min
Delta R.T.: -0.004 min
Response: 17995176953
Conc: 751.77 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 13593560964
Conc: 602.77 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

Continuing Calib Date: 07/17/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 17:04 **Initial Calibration Time(s):** 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.52	7.52	7.42	7.62	0.00
2,4-DCAA	7.33	7.33	7.23	7.43	0.00
Dalapon	2.69	2.70	2.60	2.80	0.01
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.46	8.47	8.37	8.57	0.01
2,4,5-TP(Silvex)	9.35	9.35	9.25	9.45	0.00
2,4,5-T	9.64	9.65	9.55	9.75	0.01
2,4-DB	10.22	10.23	10.13	10.33	0.01
Dinoseb	11.43	11.44	11.34	11.54	0.01

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

Continuing Calib Date: 07/17/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 17:04 **Initial Calibration Time(s):** 16:00 17:36

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	0.00
Dalapon	2.70	2.71	2.61	2.81	0.01
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/17/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031100.D **Time Analyzed:** 17:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.641	9.547	9.747	819.240	712.500	15.0
2,4,5-TP(Silvex)	9.348	9.253	9.453	741.040	712.500	4.0
2,4-D	8.462	8.367	8.567	777.450	705.000	10.3
2,4-DB	10.218	10.125	10.325	902.960	712.500	26.7
2,4-DCAA	7.329	7.233	7.433	712.900	750.000	-4.9
Dalapon	2.694	2.598	2.798	594.830	682.500	-12.8
DICAMBA	7.518	7.422	7.622	658.300	705.000	-6.6
DICHLORPROP	8.230	8.135	8.335	677.760	705.000	-3.9
Dinoseb	11.434	11.339	11.539	728.780	705.000	3.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/17/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031100.D **Time Analyzed:** 17:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.359	10.258	10.458	612.360	712.500	-14.1
2,4,5-TP(Silvex)	9.932	9.832	10.032	609.110	712.500	-14.5
2,4-D	9.027	8.927	9.127	592.540	705.000	-16.0
2,4-DB	10.926	10.826	11.026	595.160	712.500	-16.5
2,4-DCAA	7.768	7.669	7.869	619.530	750.000	-17.4
Dalapon	2.703	2.608	2.808	569.200	682.500	-16.6
DICAMBA	7.971	7.871	8.071	593.510	705.000	-15.8
DICHLORPROP	8.690	8.591	8.791	581.990	705.000	-17.4
Dinoseb	11.311	11.210	11.410	586.790	705.000	-16.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031100.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 17:04
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 22:58:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.329	7.768	2819.6E6	641.9E6	712.900	619.527
	Target Compounds						
1) T	Dalapon	2.694	2.703	3623.5E6	1618.1E6	594.830	569.196
2) T	3,5-DICHL...	6.491	6.715	3406.4E6	883.0E6	650.249	569.542
3) T	4-Nitroph...	7.128	7.301	1094.9E6	1008.0E6	811.065	578.044 #
5) T	DICAMBA	7.518	7.971	10329.3E6	3843.8E6	658.299	593.506
6) T	MCPP	7.699	8.069	597.8E6	125.2E6	64.974	58.557
7) T	MCPA	7.849	8.318	764.4E6	189.1E6	70.084	58.990
8) T	DICHLORPROP	8.230	8.690	2307.9E6	884.2E6	677.756	581.992
9) T	2,4-D	8.462	9.027	2393.3E6	1007.0E6	777.449	592.540
10) T	Pentachlo...	8.769	9.550	36458.1E6	24044.0E6	725.367	623.952
11) T	2,4,5-TP ...	9.348	9.932	13791.3E6	8939.2E6	741.041	609.110
12) T	2,4,5-T	9.641	10.359	12463.4E6	8568.0E6	819.241m	612.357 #
13) T	2,4-DB	10.218	10.926	1960.1E6	704.2E6	902.955m	595.158 #
14) T	DINOSEB	11.434	11.311	9608.2E6	6661.0E6	728.781	586.792
15) T	Picloram	11.244	12.422	14223.8E6	15018.5E6	976.107	639.611 #
16) T	DCPA	11.731	12.355	18159.6E6	13818.7E6	758.636	612.747

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

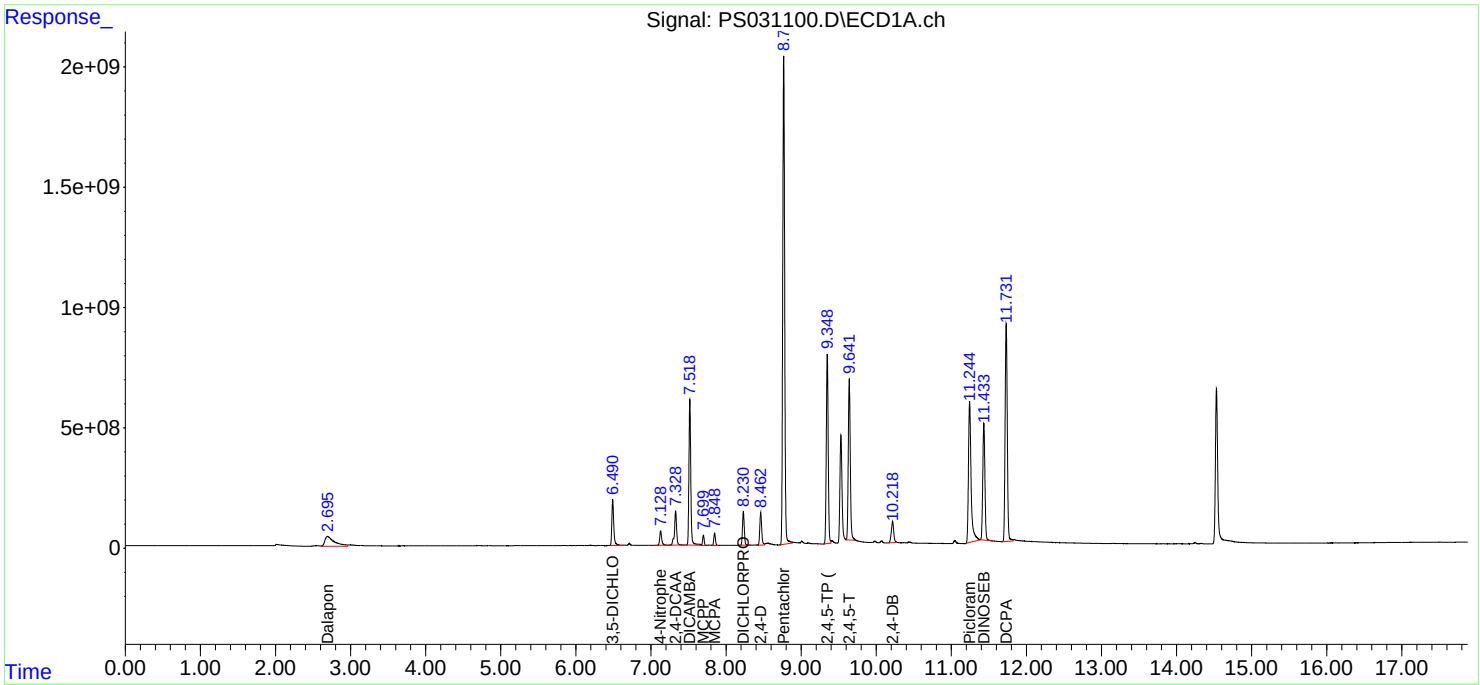
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031100.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 17:04
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

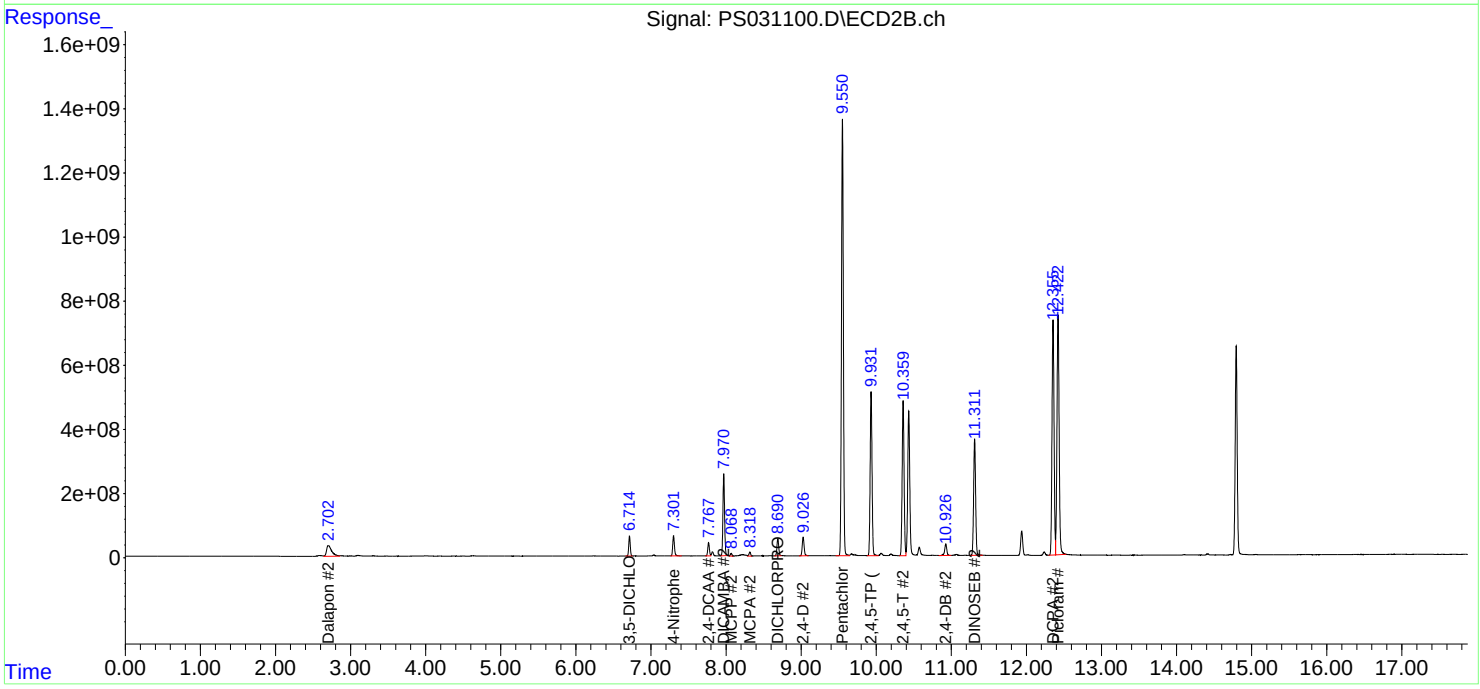
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

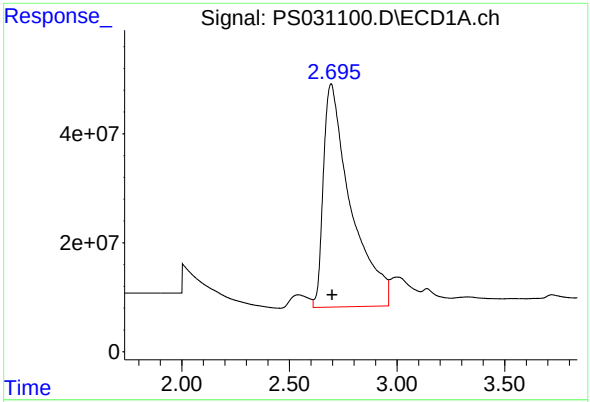
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 22:58:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







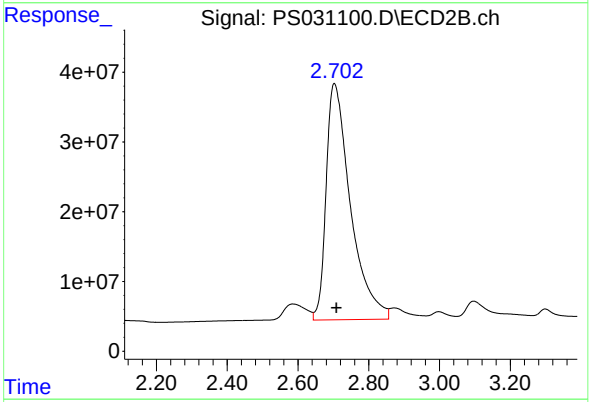
#1 Dalapon

R.T.: 2.694 min
Delta R.T.: -0.004 min
Response: 3623542420
Conc: 594.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

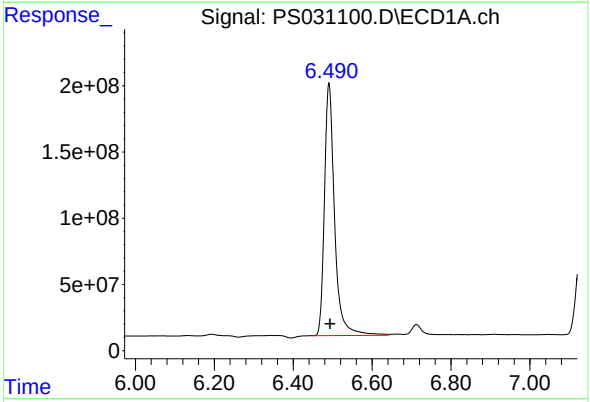
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



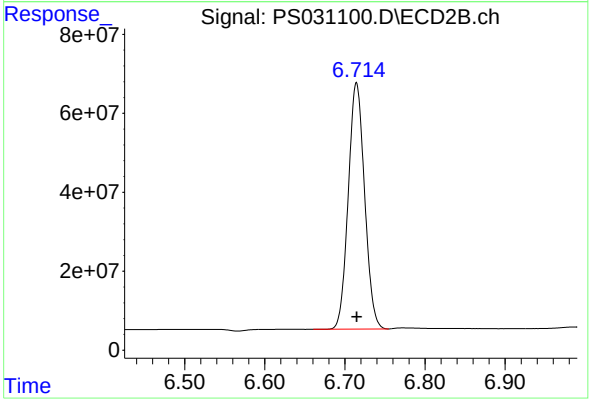
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: -0.006 min
Response: 1618145234
Conc: 569.20 ng/ml



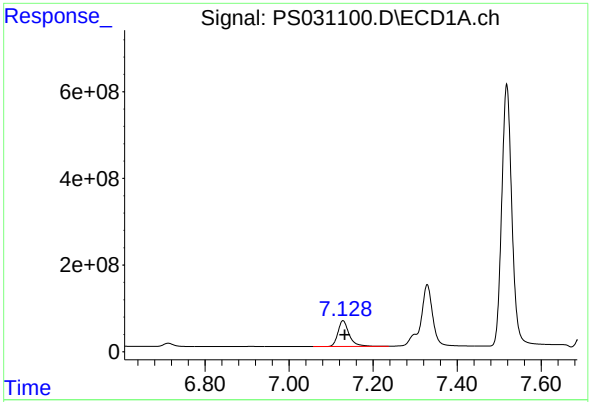
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.491 min
Delta R.T.: -0.003 min
Response: 3406394363
Conc: 650.25 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 882982182
Conc: 569.54 ng/ml



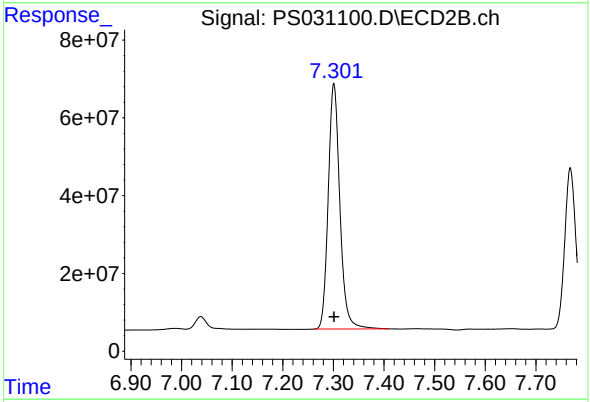
#3 4-Nitrophenol

R.T.: 7.128 min
Delta R.T.: -0.004 min
Response: 1094944593
Conc: 811.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

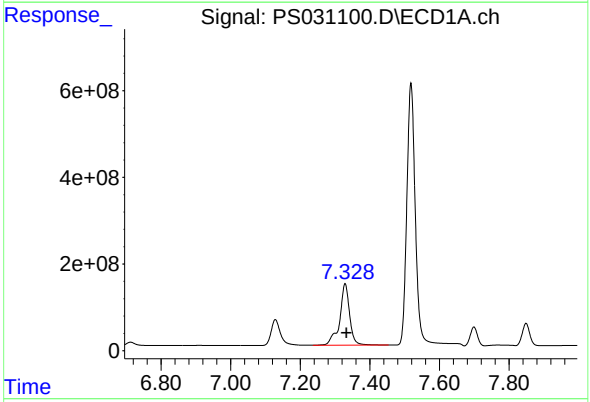
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



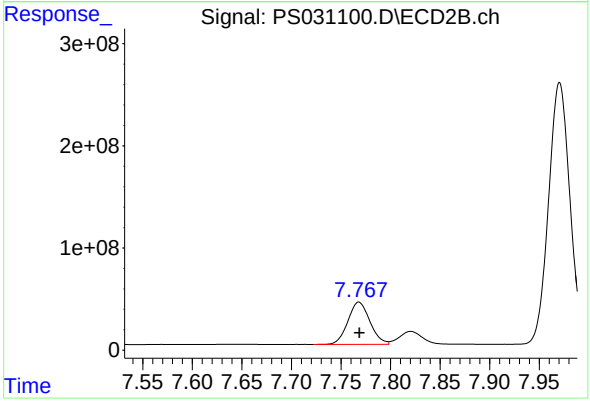
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1008044439
Conc: 578.04 ng/ml



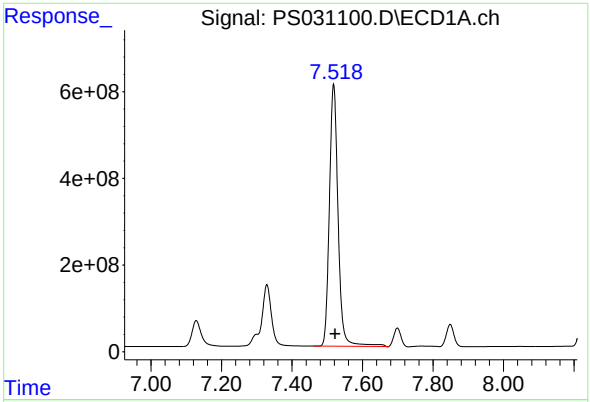
#4 2,4-DCAA

R.T.: 7.329 min
Delta R.T.: -0.004 min
Response: 2819573401
Conc: 712.90 ng/ml



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 641850573
Conc: 619.53 ng/ml



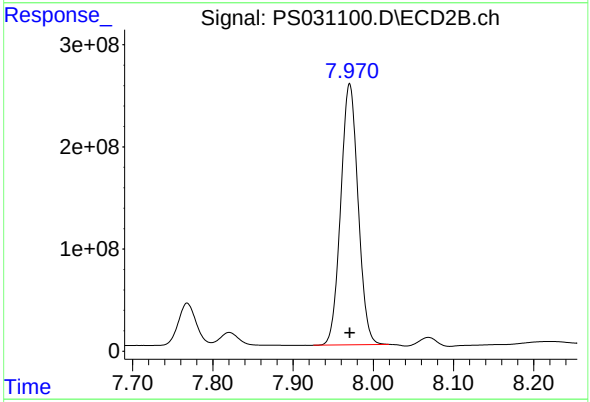
#5 DICAMBA

R.T.: 7.518 min
Delta R.T.: -0.004 min
Response: 10329314038
Conc: 658.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

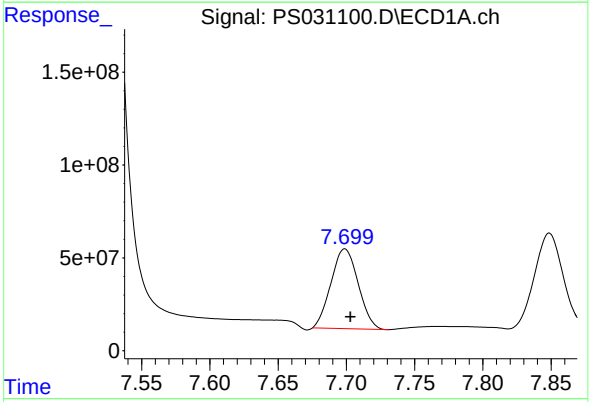
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



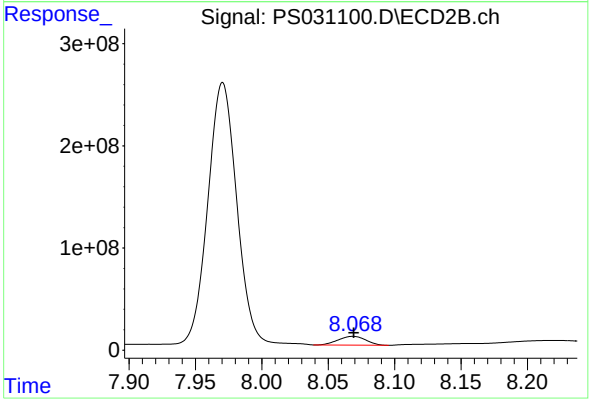
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 3843794306
Conc: 593.51 ng/ml



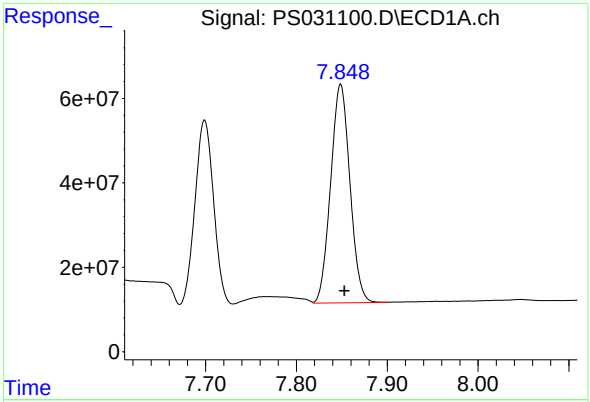
#6 MCPP

R.T.: 7.699 min
Delta R.T.: -0.004 min
Response: 597840835
Conc: 64.97 ug/ml



#6 MCPP

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 125191108
Conc: 58.56 ug/ml



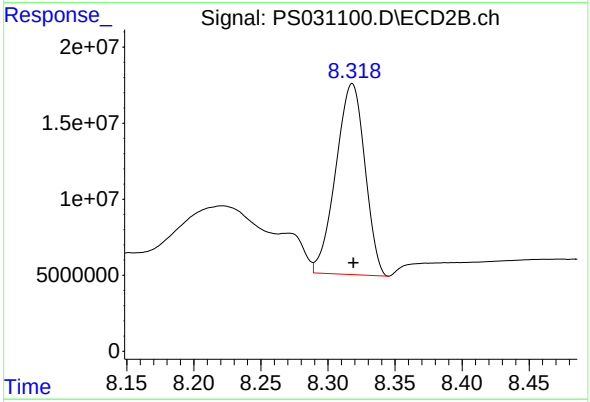
#7 MCPA

R.T.: 7.849 min
Delta R.T.: -0.004 min
Response: 764395973
Conc: 70.08 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

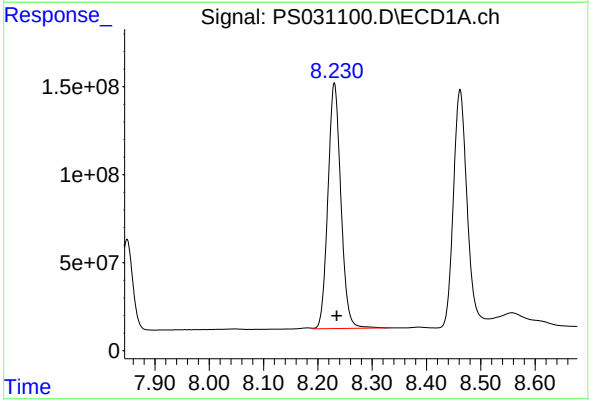
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



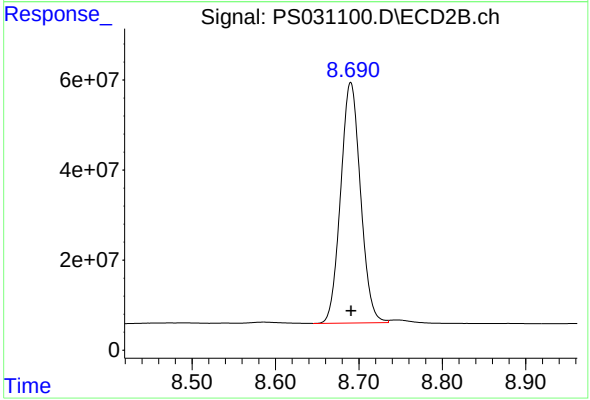
#7 MCPA

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 189101501
Conc: 58.99 ug/ml



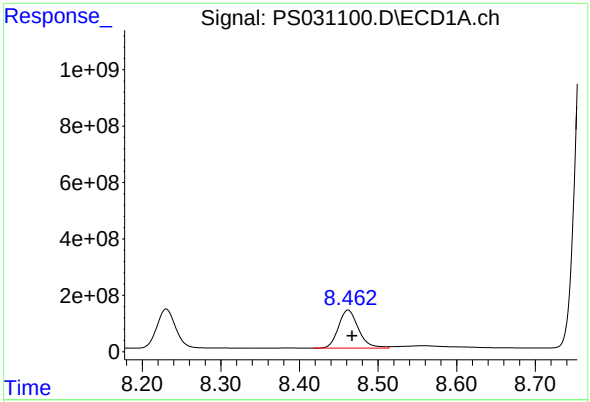
#8 DICHLORPROP

R.T.: 8.230 min
Delta R.T.: -0.004 min
Response: 2307865052
Conc: 677.76 ng/ml



#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 884197667
Conc: 581.99 ng/ml



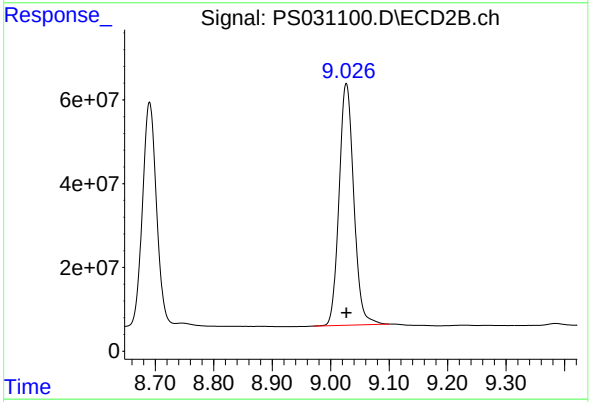
#9 2,4-D

R.T.: 8.462 min
Delta R.T.: -0.005 min
Response: 2393327959
Conc: 777.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

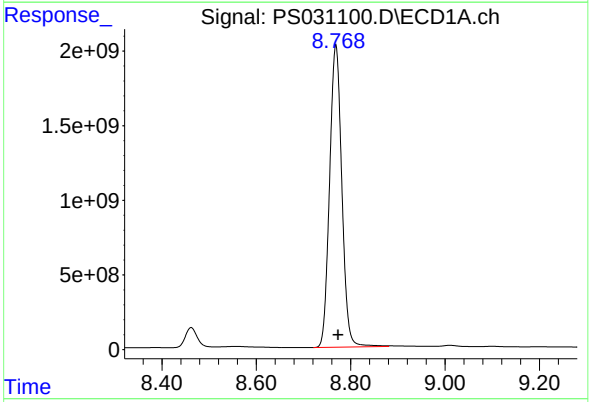
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



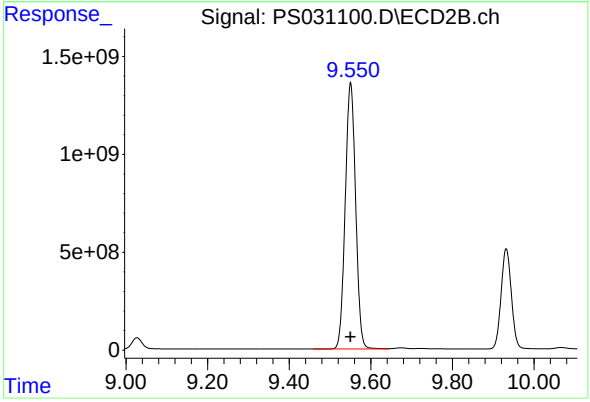
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1007000146
Conc: 592.54 ng/ml



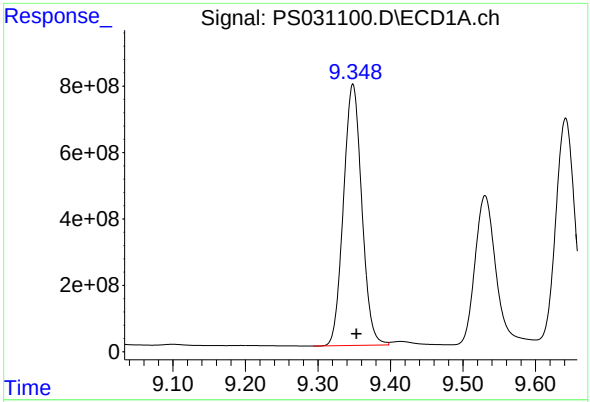
#10 Pentachlorophenol

R.T.: 8.769 min
Delta R.T.: -0.005 min
Response: 36458071708
Conc: 725.37 ng/ml



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 24044010809
Conc: 623.95 ng/ml



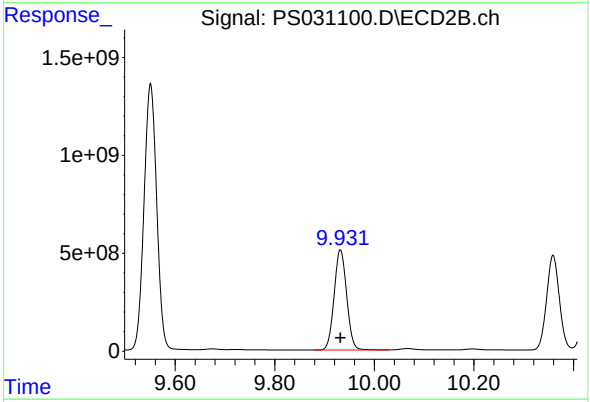
#11 2,4,5-TP (SILVEX)

R.T.: 9.348 min
Delta R.T.: -0.005 min
Response: 13791313195
Conc: 741.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

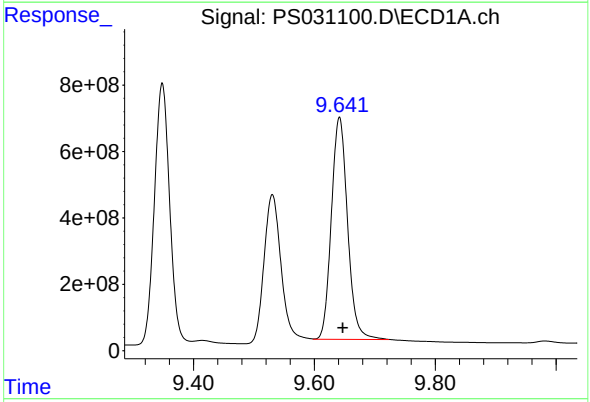
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



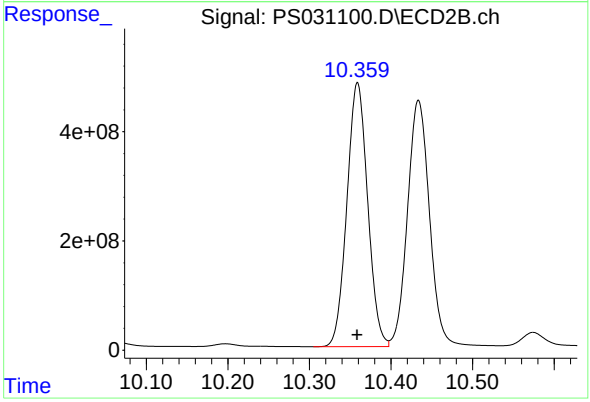
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 8939161888
Conc: 609.11 ng/ml



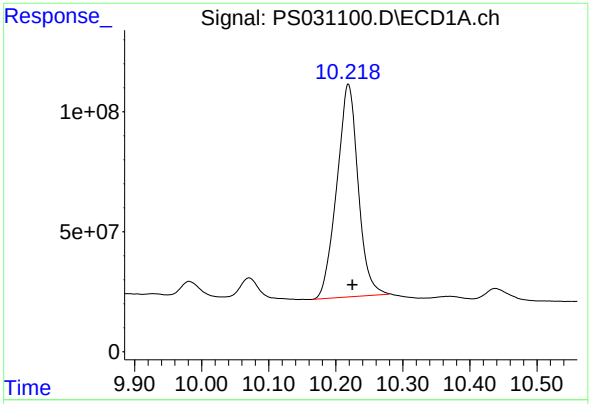
#12 2,4,5-T

R.T.: 9.641 min
Delta R.T.: -0.006 min
Response: 12463369539
Conc: 819.24 ng/ml m



#12 2,4,5-T

R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 8567980632
Conc: 612.36 ng/ml



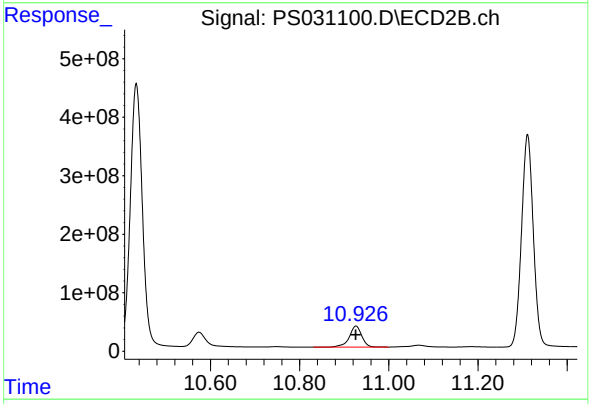
#13 2,4-DB

R.T.: 10.218 min
Delta R.T.: -0.007 min
Response: 1960125746
Conc: 902.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

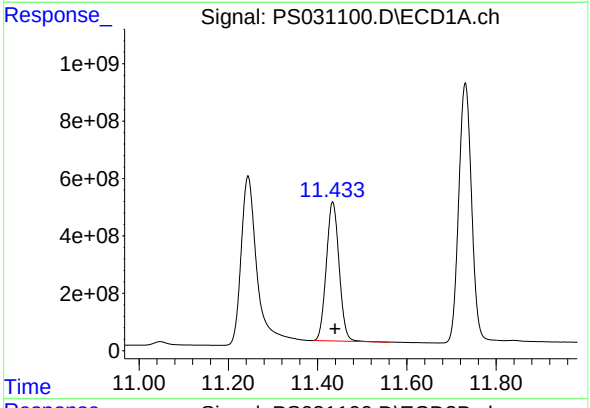
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



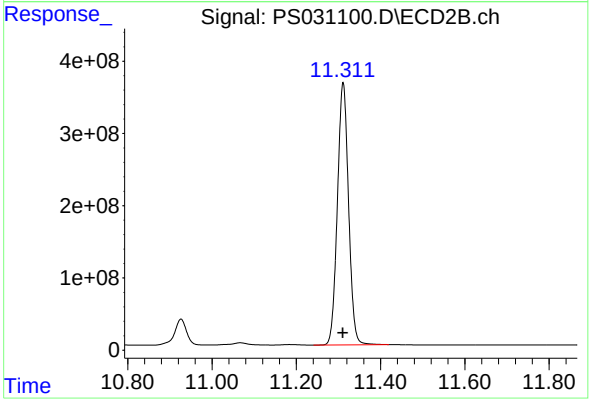
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 704180162
Conc: 595.16 ng/ml



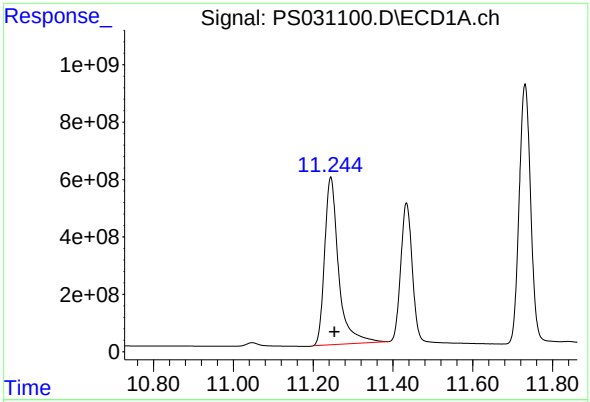
#14 DINOSEB

R.T.: 11.434 min
Delta R.T.: -0.005 min
Response: 9608179812
Conc: 728.78 ng/ml



#14 DINOSEB

R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 6660981278
Conc: 586.79 ng/ml



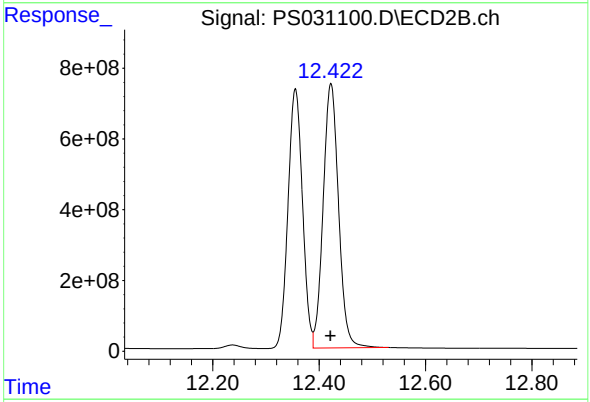
#15 Picloram

R.T.: 11.244 min
Delta R.T.: -0.010 min
Response: 14223784073
Conc: 976.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

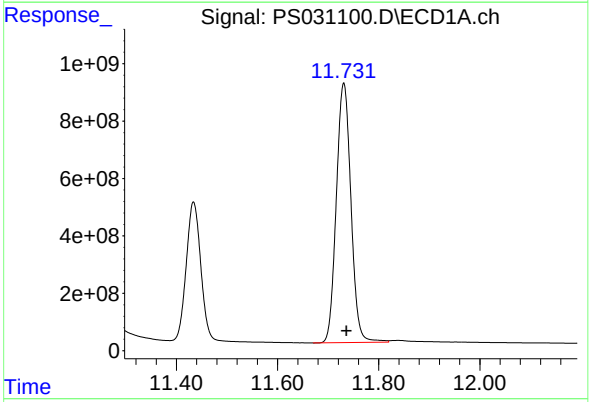
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



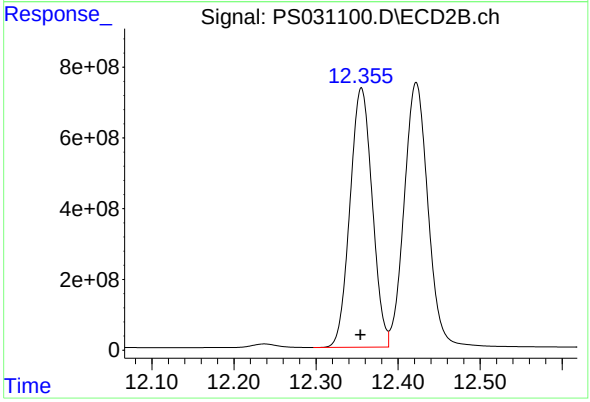
#15 Picloram

R.T.: 12.422 min
Delta R.T.: 0.000 min
Response: 15018495291
Conc: 639.61 ng/ml



#16 DCPA

R.T.: 11.731 min
Delta R.T.: -0.005 min
Response: 18159594382
Conc: 758.64 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.001 min
Response: 13818667592
Conc: 612.75 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

Continuing Calib Date: 07/17/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 21:13 **Initial Calibration Time(s):** 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.52	7.52	7.42	7.62	0.00
2,4-DCAA	7.33	7.33	7.23	7.43	0.00
Dalapon	2.69	2.70	2.60	2.80	0.01
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.46	8.47	8.37	8.57	0.01
2,4,5-TP(Silvex)	9.35	9.35	9.25	9.45	0.00
2,4,5-T	9.64	9.65	9.55	9.75	0.01
2,4-DB	10.22	10.23	10.13	10.33	0.01
Dinoseb	11.43	11.44	11.34	11.54	0.01

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

Continuing Calib Date: 07/17/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 21:13 **Initial Calibration Time(s):** 16:00 17:36

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	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/17/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031110.D **Time Analyzed:** 21:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.640	9.547	9.747	838.970	712.500	17.8
2,4,5-TP(Silvex)	9.347	9.253	9.453	747.360	712.500	4.9
2,4-D	8.461	8.367	8.567	784.350	705.000	11.3
2,4-DB	10.216	10.125	10.325	922.410	712.500	29.5
2,4-DCAA	7.327	7.233	7.433	643.930	750.000	-14.1
Dalapon	2.693	2.598	2.798	589.210	682.500	-13.7
DICAMBA	7.517	7.422	7.622	668.310	705.000	-5.2
DICHLORPROP	8.229	8.135	8.335	684.280	705.000	-2.9
Dinoseb	11.433	11.339	11.539	719.920	705.000	2.1

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/17/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031110.D **Time Analyzed:** 21:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.358	10.258	10.458	615.280	712.500	-13.6
2,4,5-TP(Silvex)	9.931	9.832	10.032	611.560	712.500	-14.2
2,4-D	9.027	8.927	9.127	595.250	705.000	-15.6
2,4-DB	10.926	10.826	11.026	603.060	712.500	-15.4
2,4-DCAA	7.768	7.669	7.869	624.760	750.000	-16.7
Dalapon	2.706	2.608	2.808	590.940	682.500	-13.4
DICAMBA	7.970	7.871	8.071	595.700	705.000	-15.5
DICHLORPROP	8.690	8.591	8.791	589.070	705.000	-16.4
Dinoseb	11.310	11.210	11.410	580.610	705.000	-17.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 21:13
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 23:04:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.327	7.768	2546.8E6	647.3E6	643.926	624.760
	Target Compounds						
1) T	Dalapon	2.693	2.706	3589.3E6	1680.0E6	589.206	590.941
2) T	3,5-DICHL...	6.490	6.715	3454.8E6	888.9E6	659.487	573.346
3) T	4-Nitroph...	7.127	7.301	1039.0E6	1016.0E6	769.591m	582.587
5) T	DICAMBA	7.517	7.970	10486.4E6	3858.0E6	668.309	595.704
6) T	MCPP	7.698	8.068	585.6E6	127.3E6	63.639	59.556
7) T	MCPA	7.848	8.317	773.8E6	189.2E6	70.950	59.012
8) T	DICHLORPROP	8.229	8.690	2330.1E6	894.9E6	684.276	589.068
9) T	2,4-D	8.461	9.027	2414.6E6	1011.6E6	784.346	595.252
10) T	Pentachlo...	8.768	9.550	36997.7E6	24233.0E6	736.103	628.857
11) T	2,4,5-TP ...	9.347	9.931	13909.0E6	8975.1E6	747.362	611.561
12) T	2,4,5-T	9.640	10.358	12763.5E6	8608.9E6	838.971m	615.280 #
13) T	2,4-DB	10.216	10.926	2002.4E6	713.5E6	922.412m	603.061 #
14) T	DINOSEB	11.433	11.310	9491.4E6	6590.9E6	719.923	580.614
15) T	Picloram	11.244	12.421	14105.0E6	15119.1E6	967.954	643.895 #
16) T	DCPA	11.730	12.354	18307.5E6	13882.8E6	764.816	615.592

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

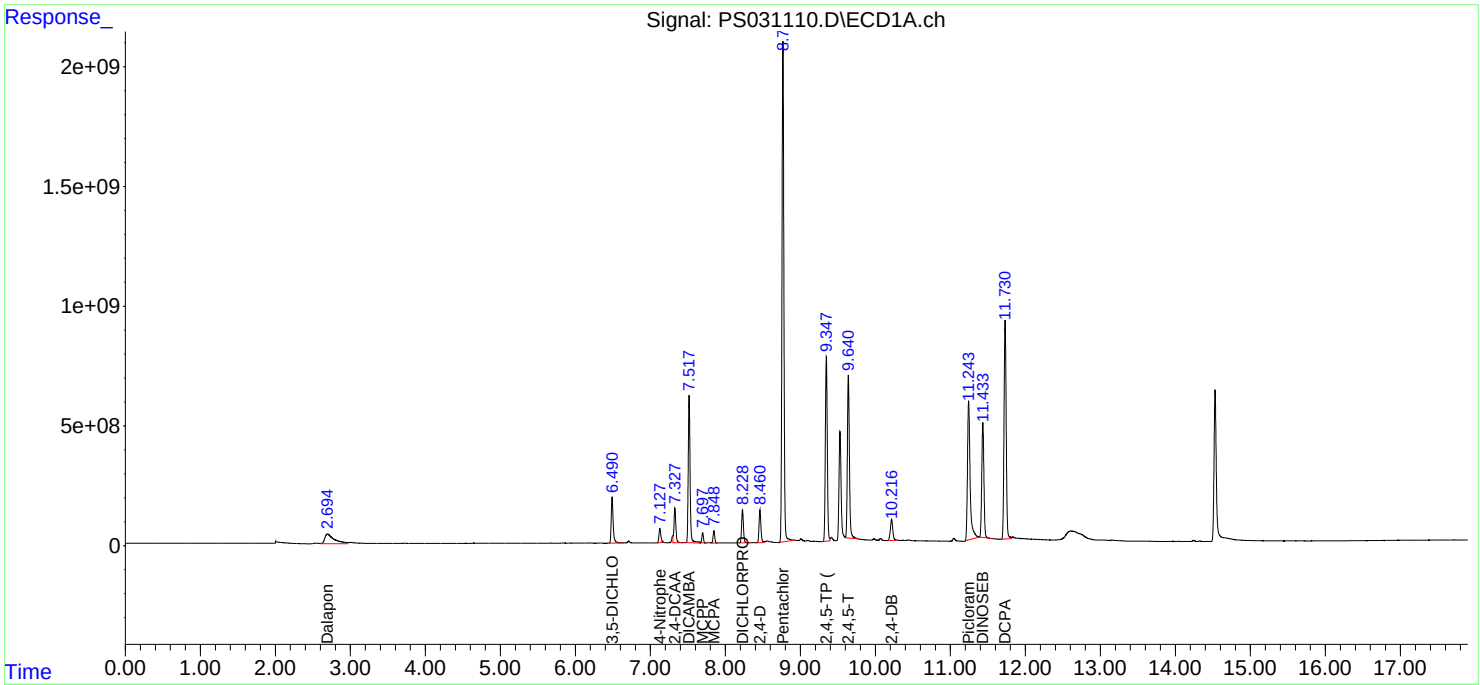
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 21:13
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

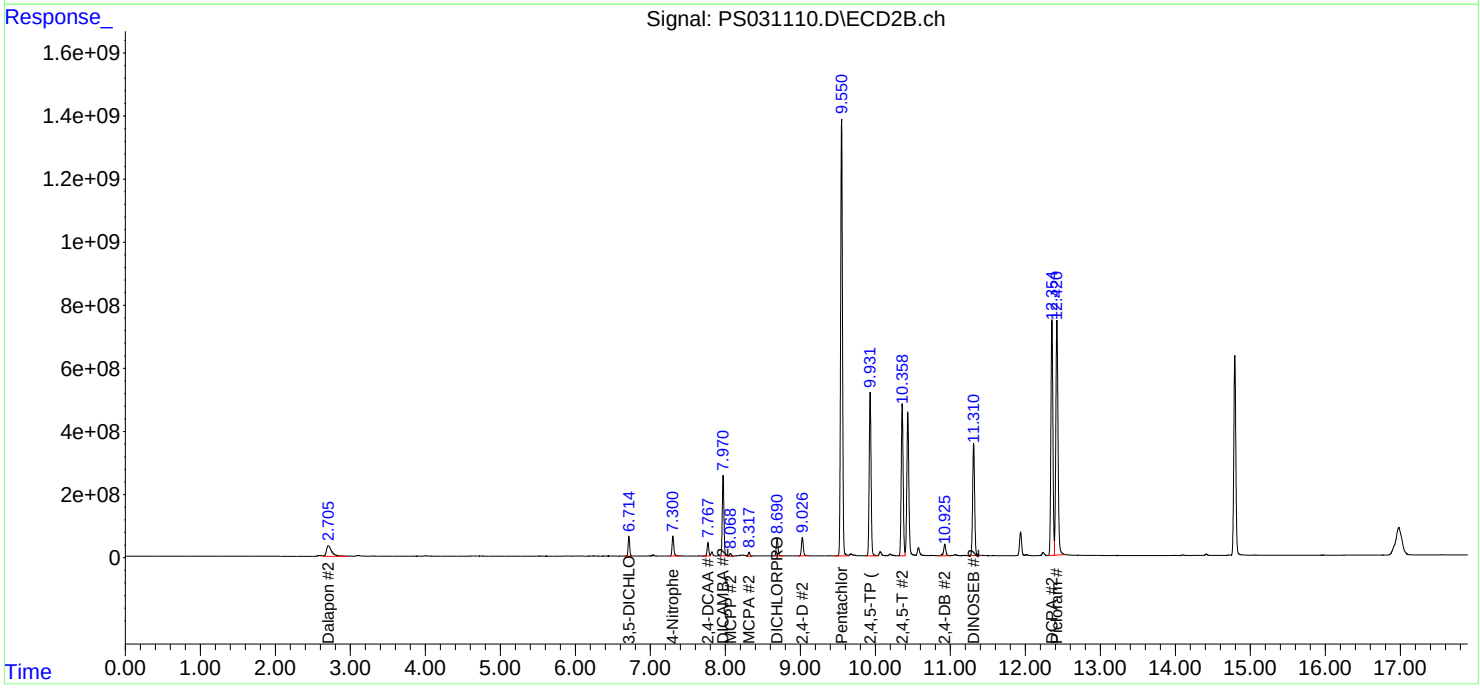
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

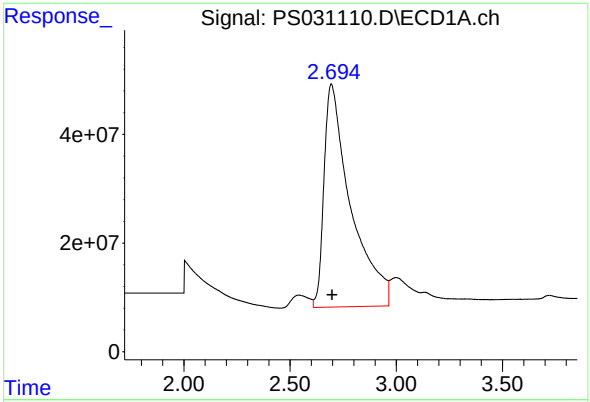
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 23:04:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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







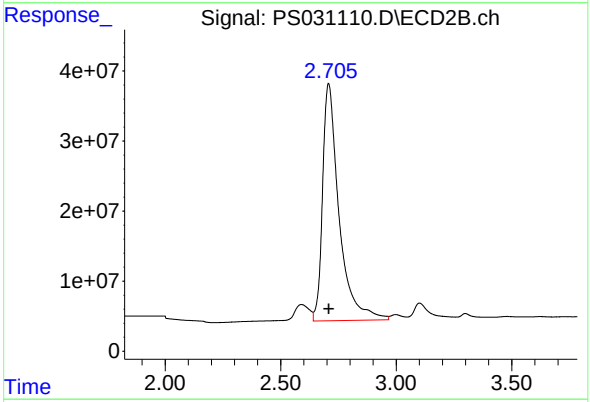
#1 Dalapon

R.T.: 2.693 min
Delta R.T.: -0.005 min
Response: 3589281201
Conc: 589.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

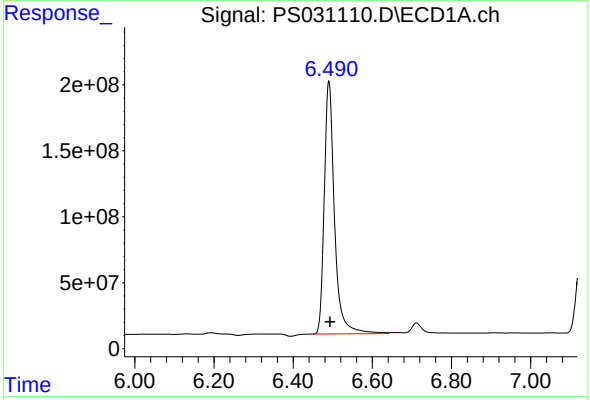
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/18/2025
Supervised By :mohammad ahmed 07/19/2025



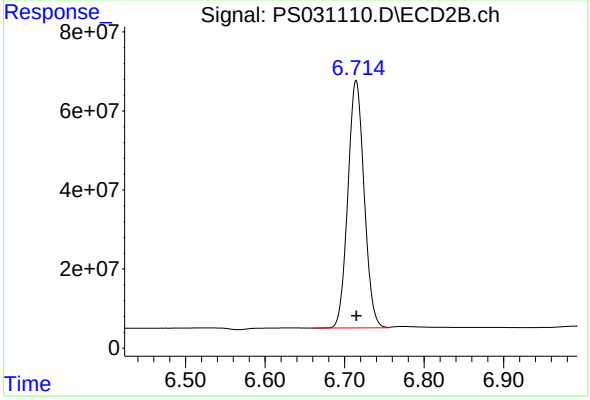
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: -0.002 min
Response: 1679962597
Conc: 590.94 ng/ml



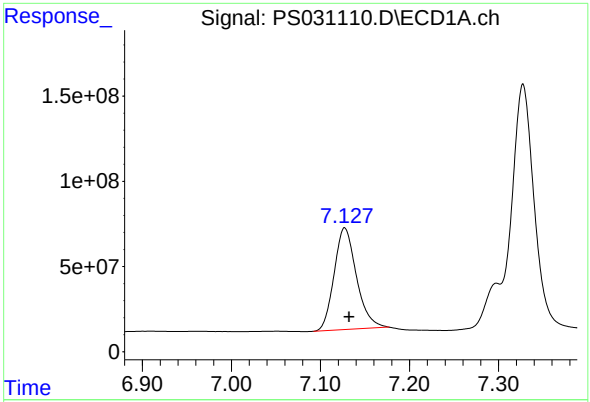
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.490 min
Delta R.T.: -0.004 min
Response: 3454787376
Conc: 659.49 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 888879051
Conc: 573.35 ng/ml



#3 4-Nitrophenol

R.T.: 7.127 min
Delta R.T.: -0.006 min
Response: 1038953243
Conc: 769.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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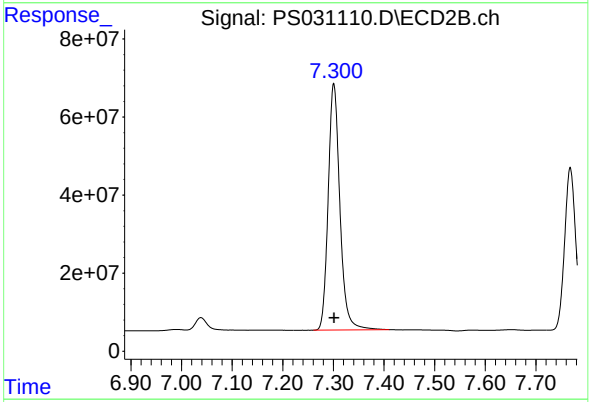
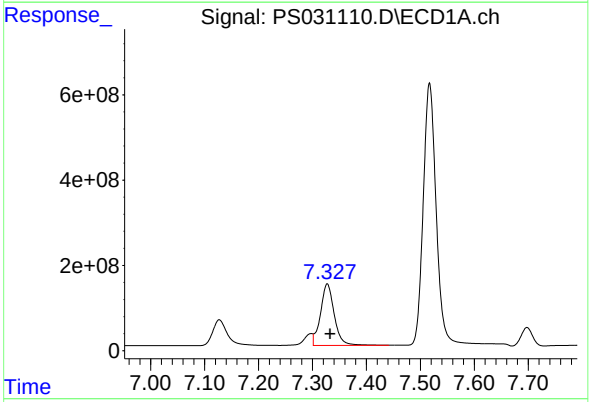


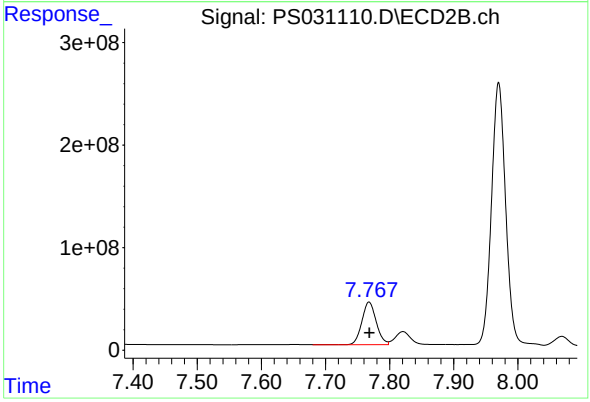
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1015967515
Conc: 582.59 ng/ml



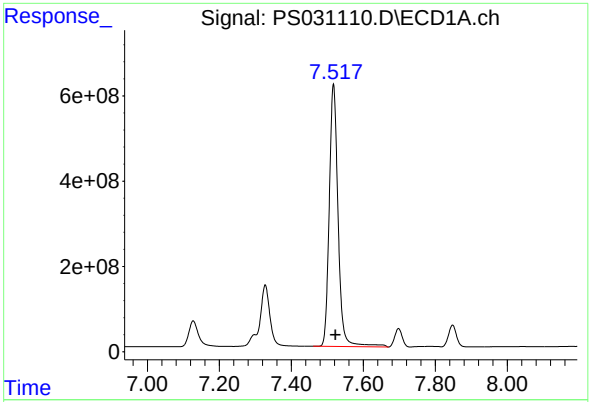
#4 2,4-DCAA

R.T.: 7.327 min
Delta R.T.: -0.005 min
Response: 2546775828
Conc: 643.93 ng/ml



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 647271971
Conc: 624.76 ng/ml



#5 DICAMBA

R.T.: 7.517 min
Delta R.T.: -0.005 min
Response: 10486370254
Conc: 668.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

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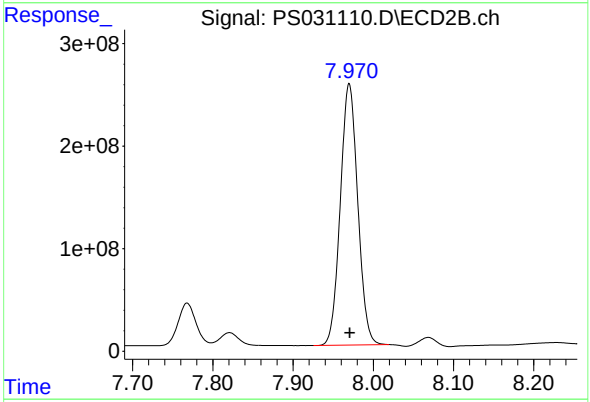
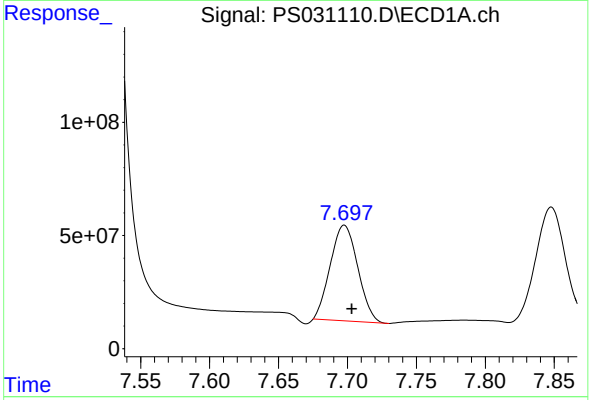


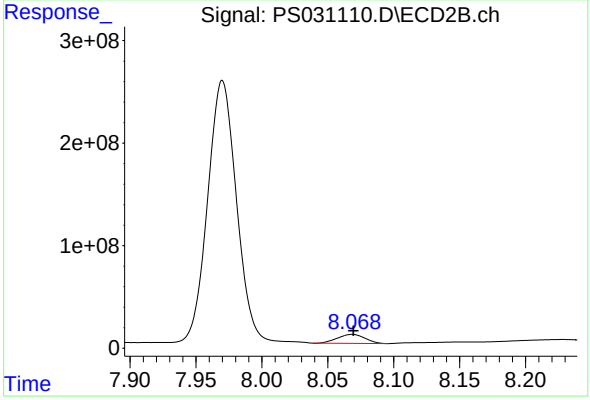
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 3858027343
Conc: 595.70 ng/ml



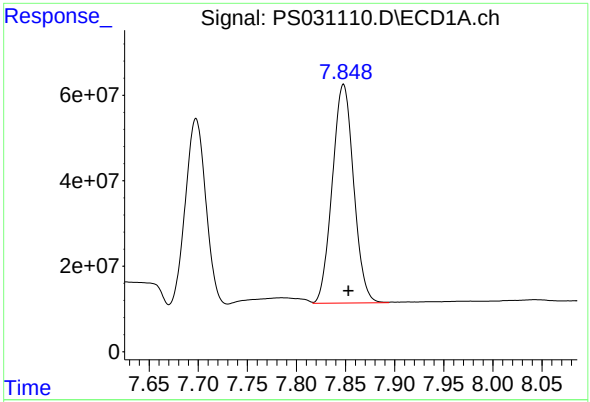
#6 MCPP

R.T.: 7.698 min
Delta R.T.: -0.005 min
Response: 585561188
Conc: 63.64 ug/ml



#6 MCPP

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 127327147
Conc: 59.56 ug/ml



#7 MCPA

R.T.: 7.848 min
Delta R.T.: -0.005 min
Response: 773835488
Conc: 70.95 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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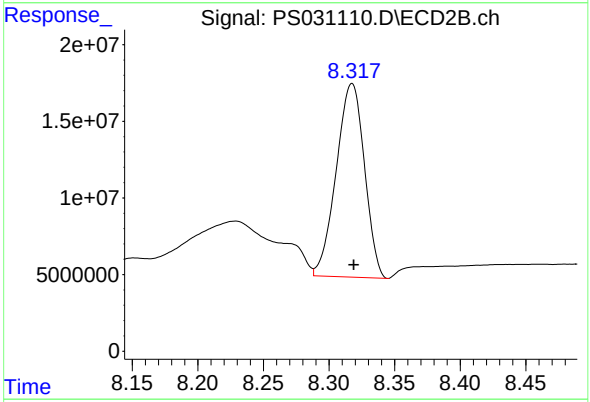
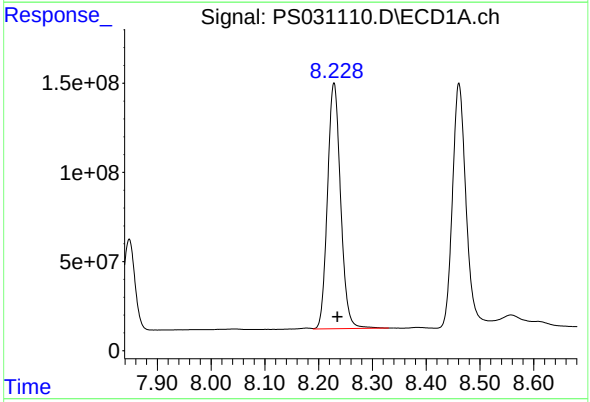


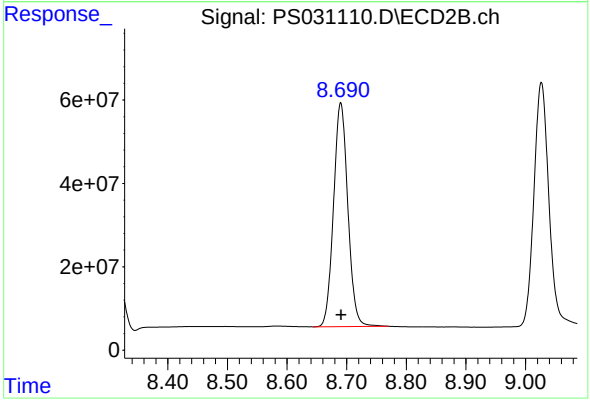
#7 MCPA

R.T.: 8.317 min
Delta R.T.: -0.001 min
Response: 189171656
Conc: 59.01 ug/ml



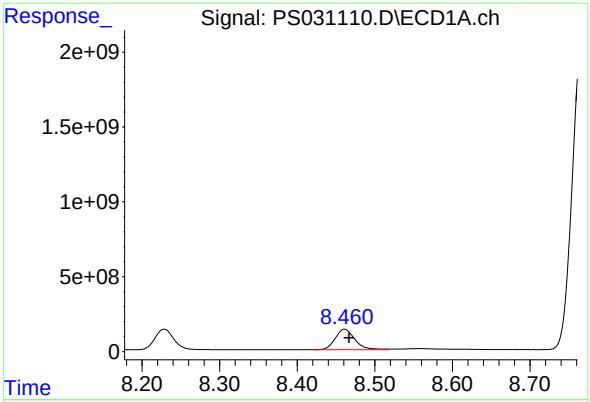
#8 DICHLORPROP

R.T.: 8.229 min
Delta R.T.: -0.006 min
Response: 2330066838
Conc: 684.28 ng/ml



#8 DICHLORPROP

R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 894948075
Conc: 589.07 ng/ml



#9 2,4-D

R.T.: 8.461 min
Delta R.T.: -0.006 min
Response: 2414558796
Conc: 784.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/18/2025
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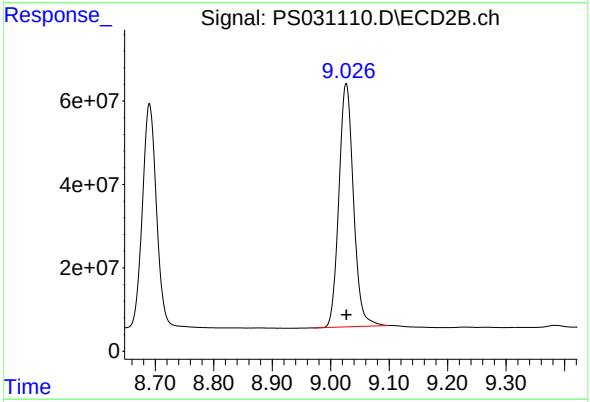
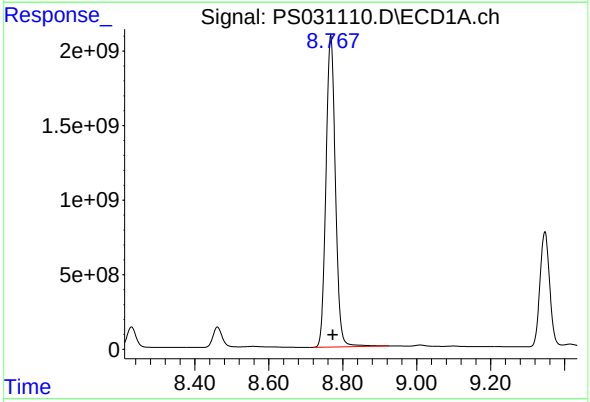


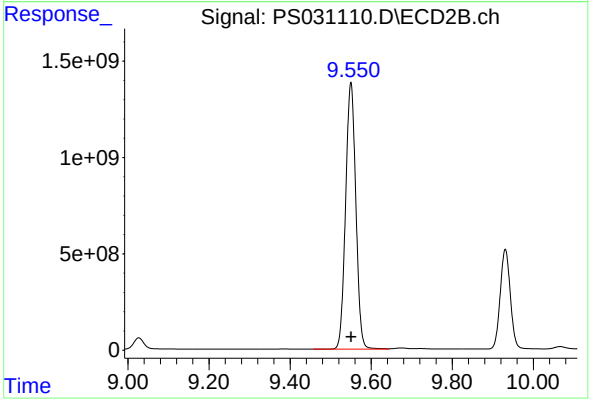
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1011609650
Conc: 595.25 ng/ml



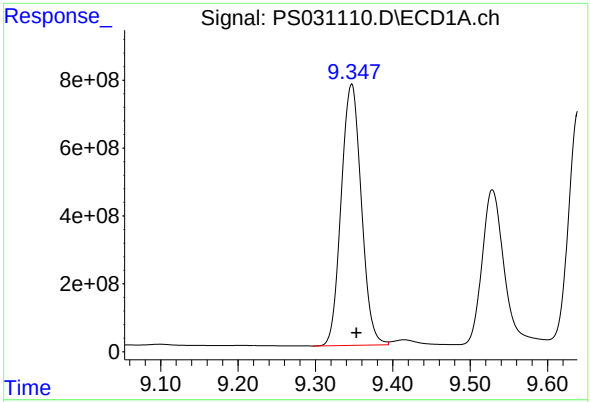
#10 Pentachlorophenol

R.T.: 8.768 min
Delta R.T.: -0.006 min
Response: 36997665821
Conc: 736.10 ng/ml



#10 Pentachlorophenol

R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 24233027089
Conc: 628.86 ng/ml



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

R.T.: 9.347 min
Delta R.T.: -0.006 min
Response: 13908952437
Conc: 747.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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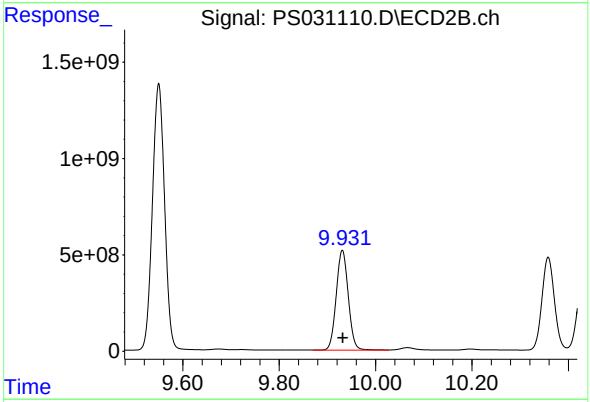
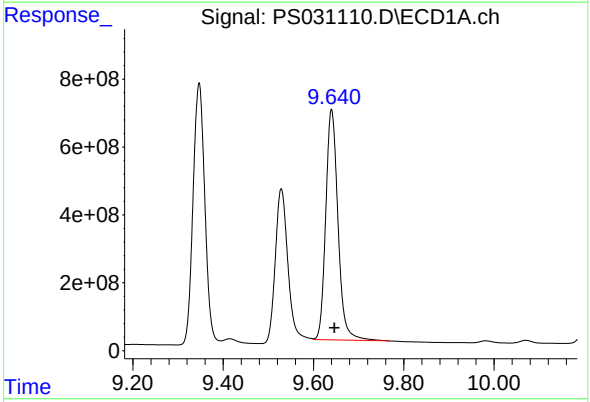


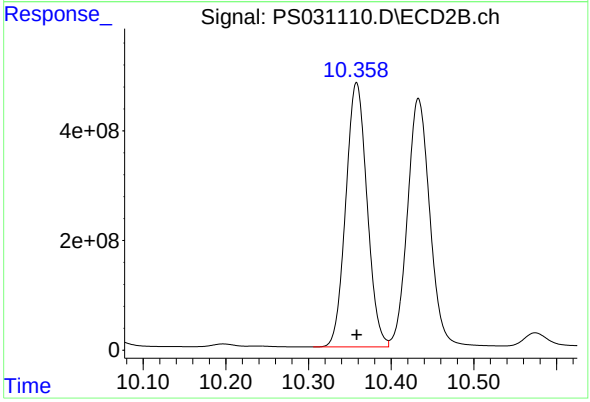
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 8975134496
Conc: 611.56 ng/ml



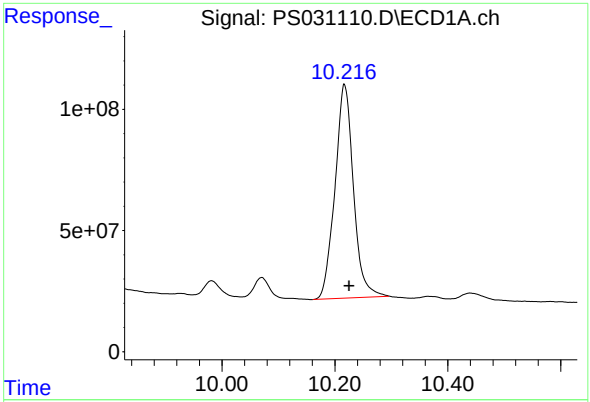
#12 2,4,5-T

R.T.: 9.640 min
Delta R.T.: -0.007 min
Response: 12763538955
Conc: 838.97 ng/ml m



#12 2,4,5-T

R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 8608878381
Conc: 615.28 ng/ml



#13 2,4-DB

R.T.: 10.216 min
Delta R.T.: -0.009 min
Response: 2002361816
Conc: 922.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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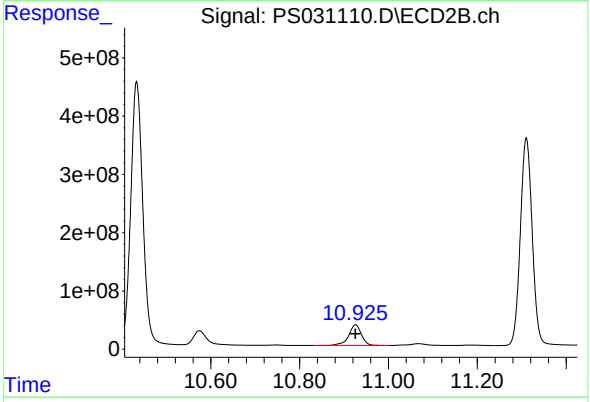
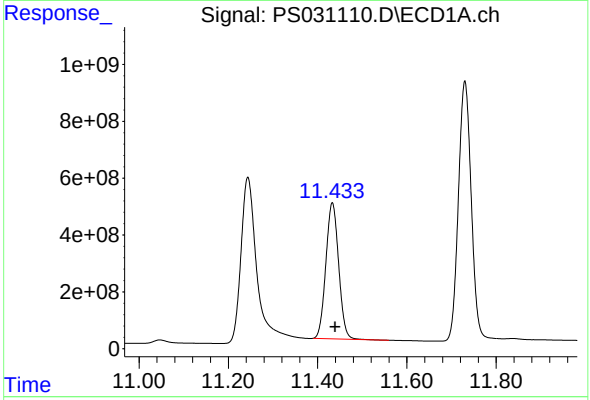


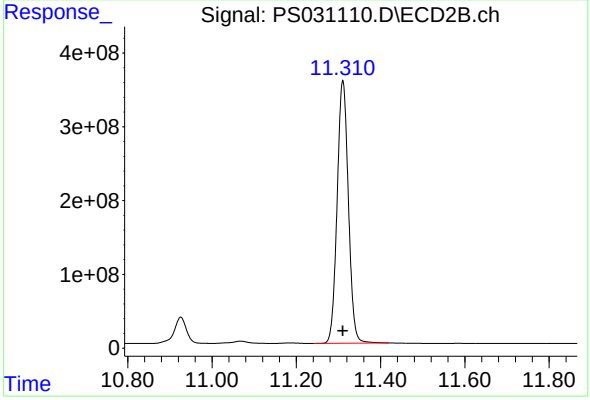
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 713530795
Conc: 603.06 ng/ml



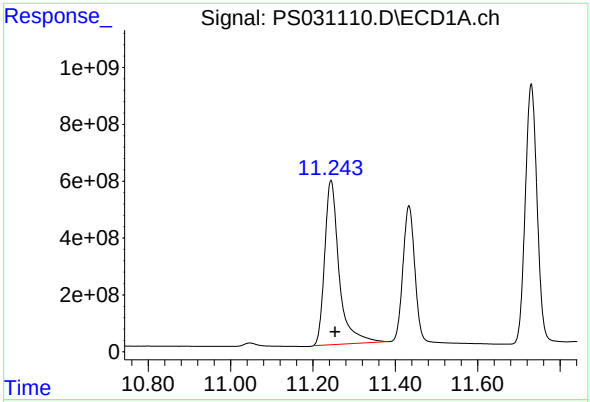
#14 DINOSEB

R.T.: 11.433 min
Delta R.T.: -0.006 min
Response: 9491399076
Conc: 719.92 ng/ml



#14 DINOSEB

R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 6590854753
Conc: 580.61 ng/ml



#15 Picloram

R.T.: 11.244 min
Delta R.T.: -0.010 min
Response: 14104969747
Conc: 967.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
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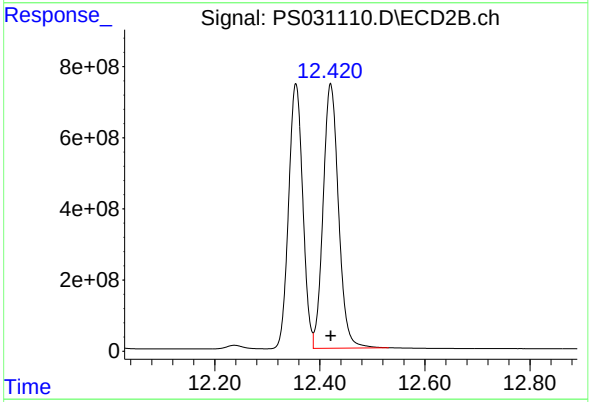
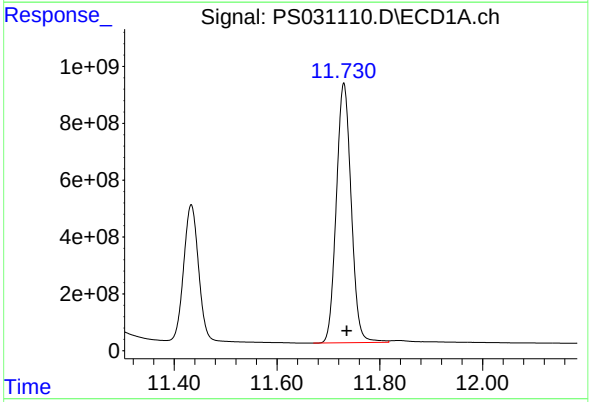


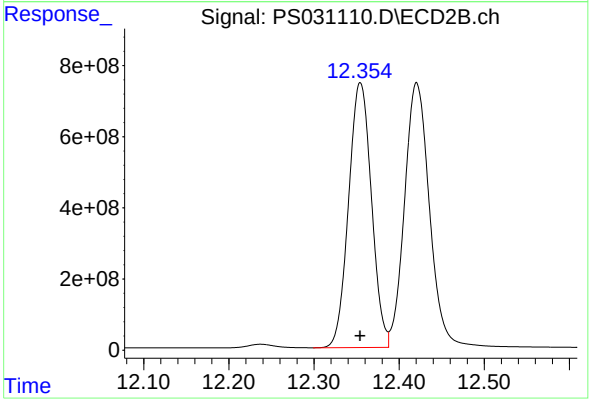
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 15119074468
Conc: 643.89 ng/ml



#16 DCPA

R.T.: 11.730 min
Delta R.T.: -0.006 min
Response: 18307533806
Conc: 764.82 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 13882818447
Conc: 615.59 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

Client Sample No.: CCAL04 **Date Analyzed:** 07/23/2025

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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

Client Sample No.: CCAL04 **Date Analyzed:** 07/23/2025

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.

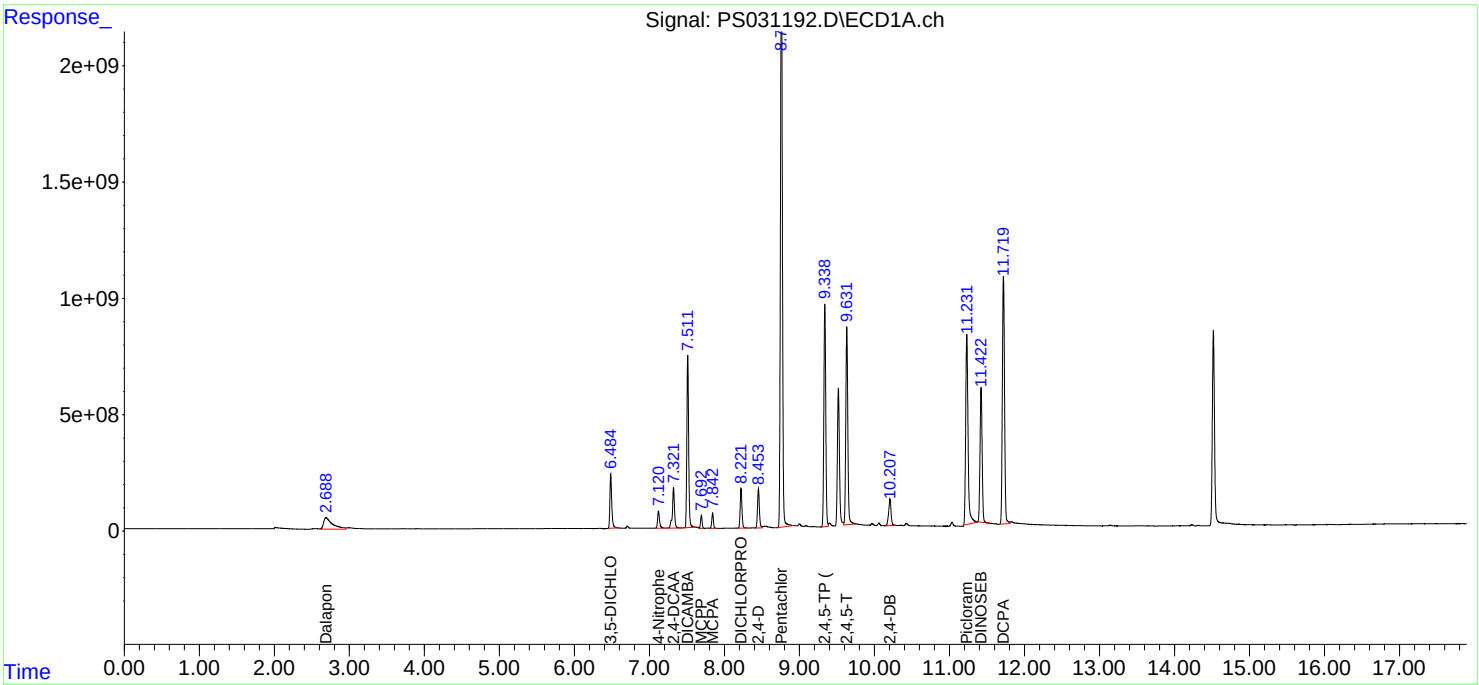
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

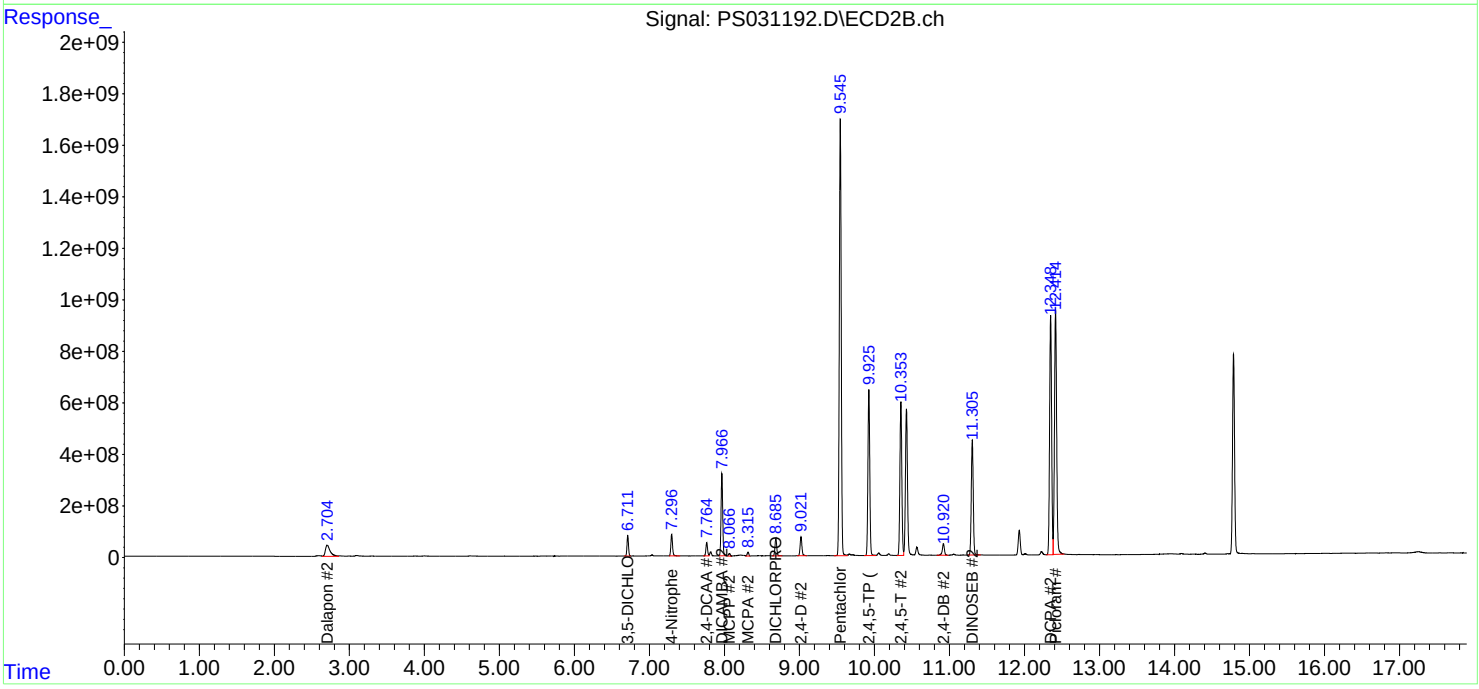
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

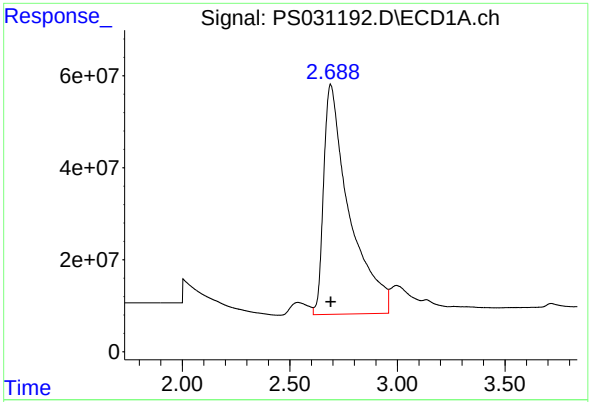
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

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
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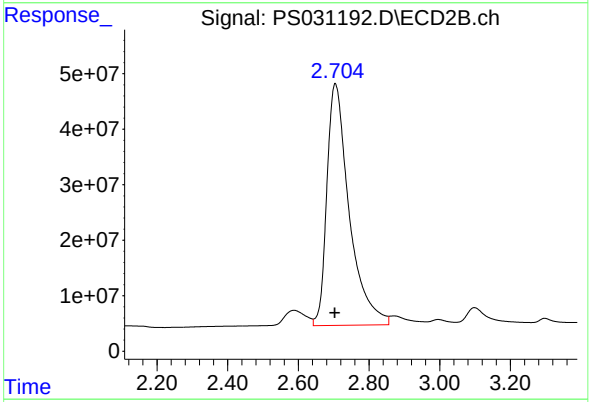
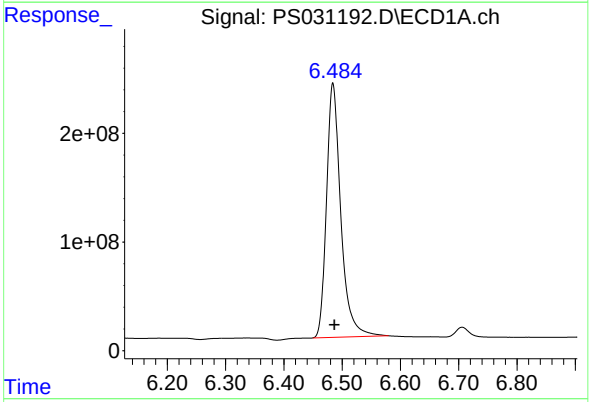


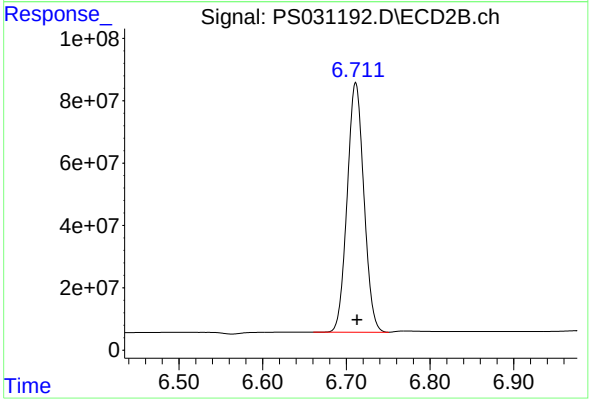
#1 Dalapon

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



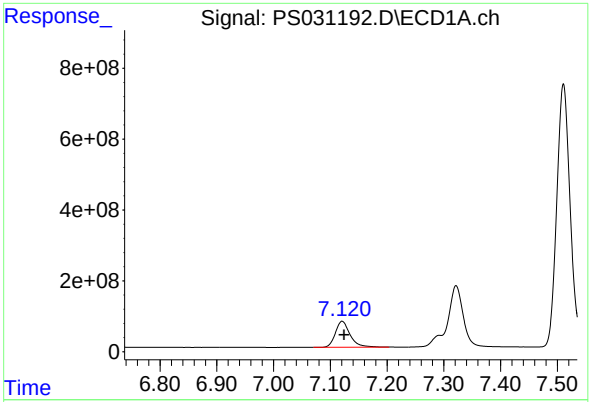
#2 3,5-DICHLOROBENZOIC ACID

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



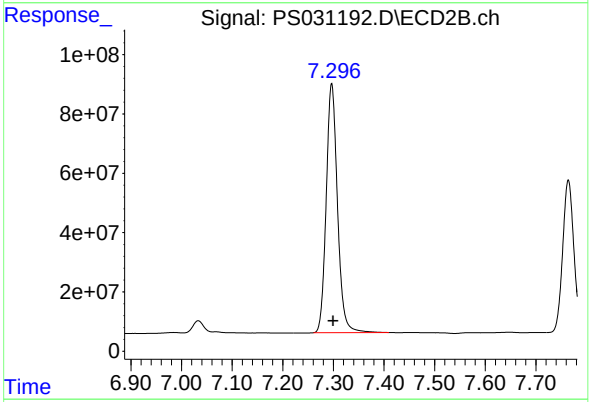
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

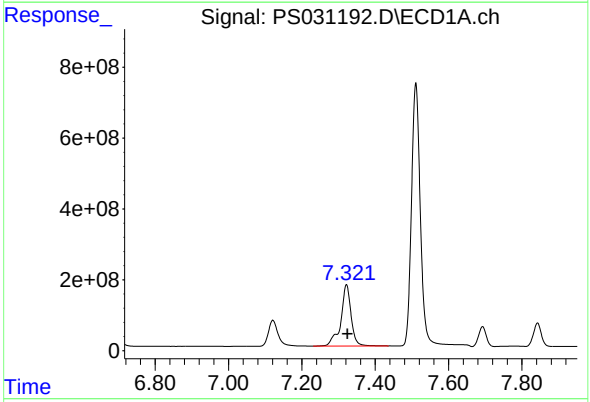
Manual Integrations
APPROVED

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



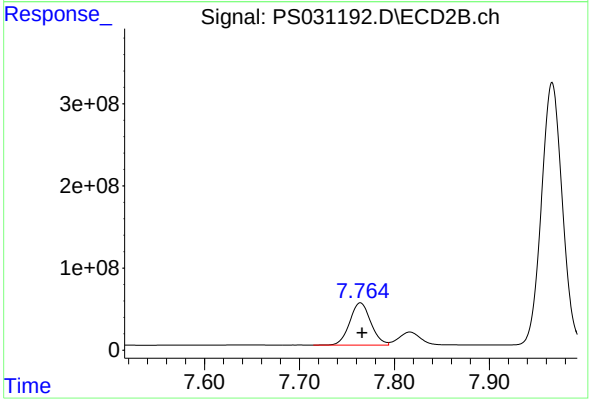
#3 4-Nitrophenol

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



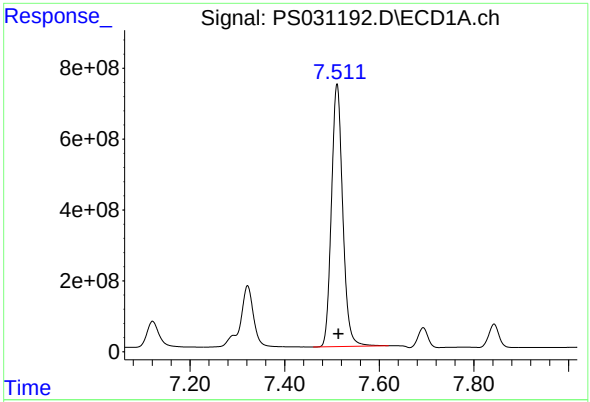
#4 2,4-DCAA

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



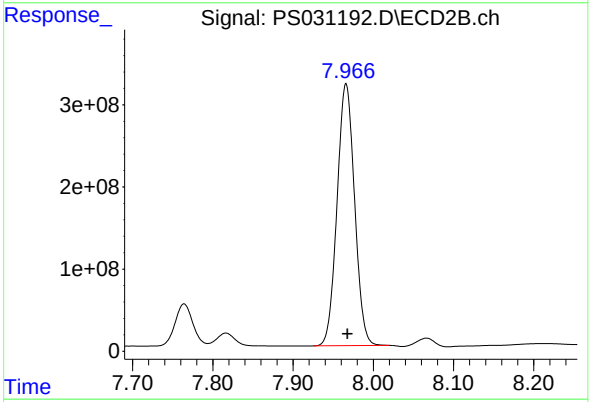
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

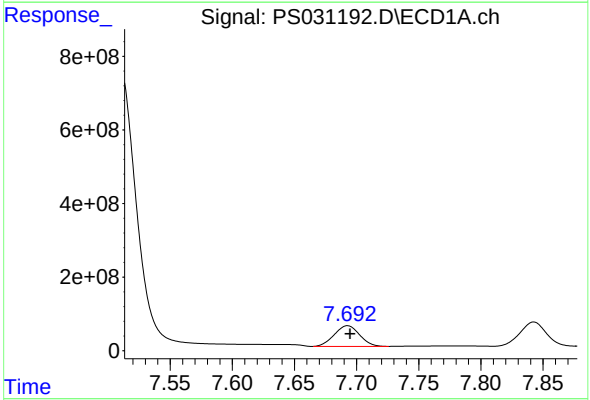
Manual Integrations
APPROVED

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



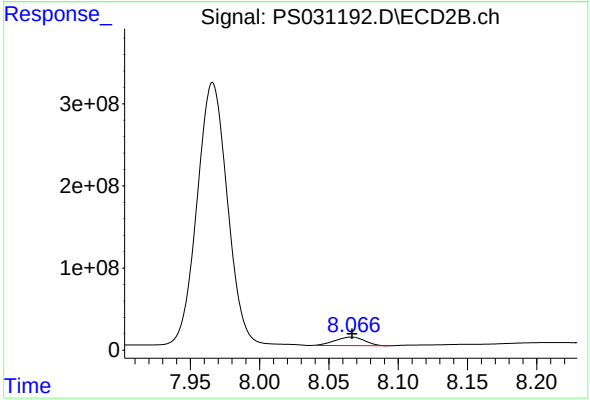
#5 DICAMBA

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



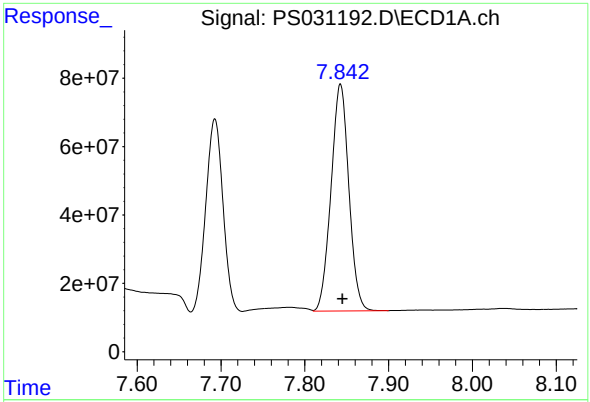
#6 MCPP

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



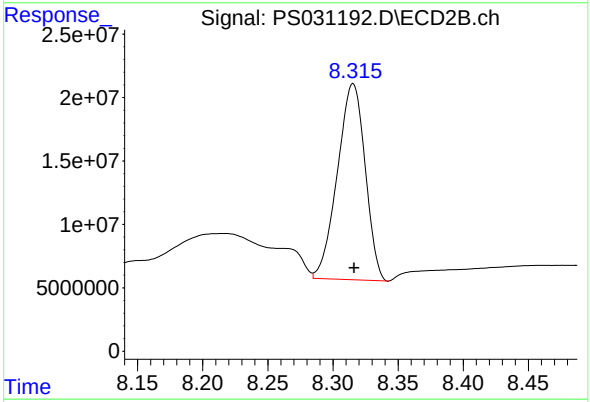
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

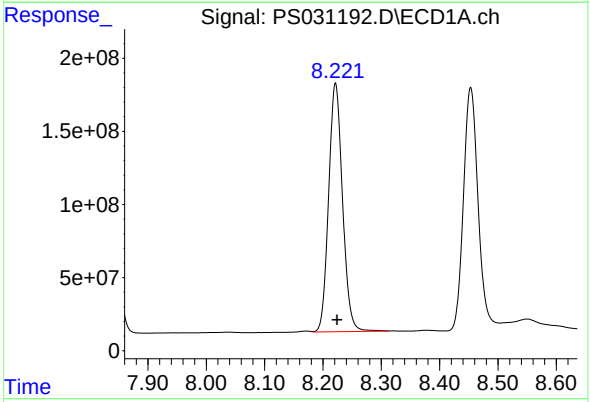
Manual Integrations
APPROVED

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



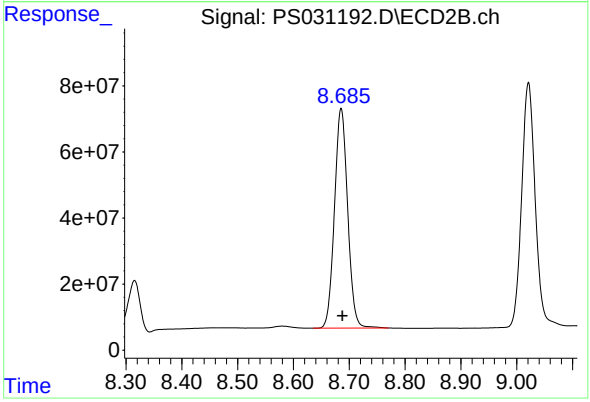
#7 MCPA

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



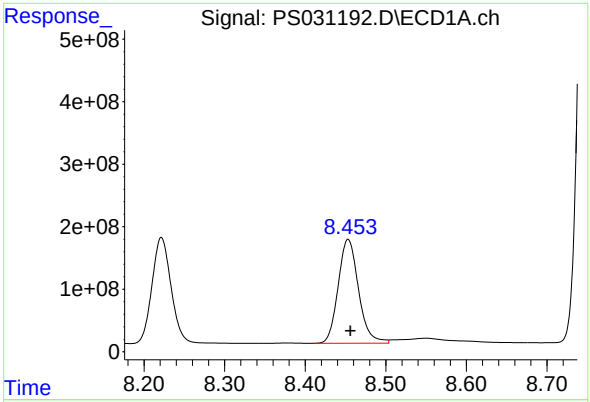
#8 DICHLORPROP

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
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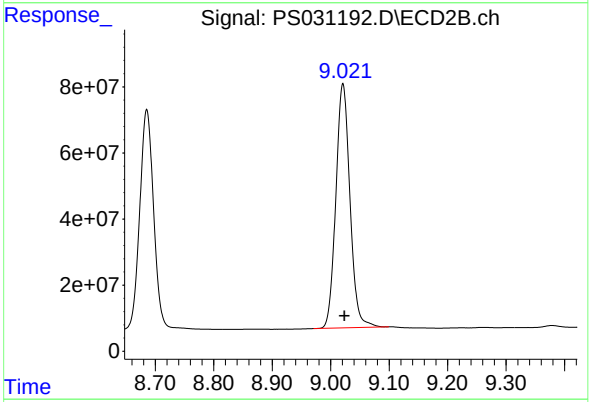
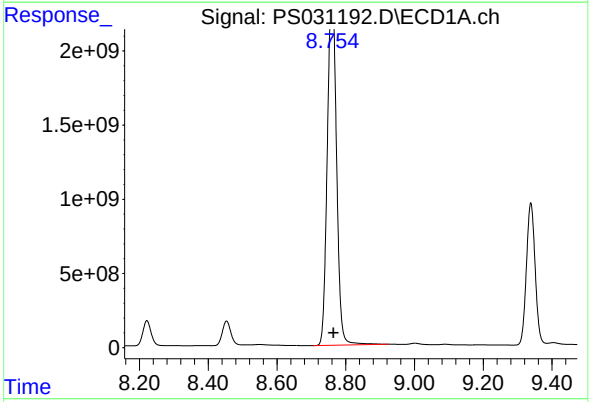


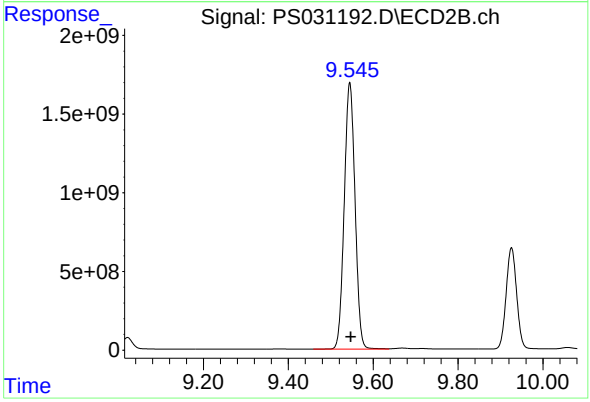
#9 2,4-D

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



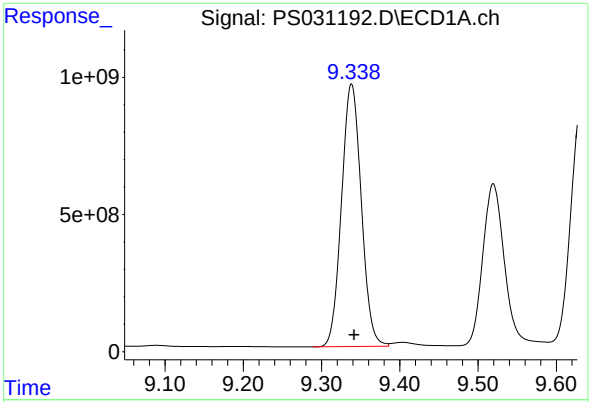
#10 Pentachlorophenol

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



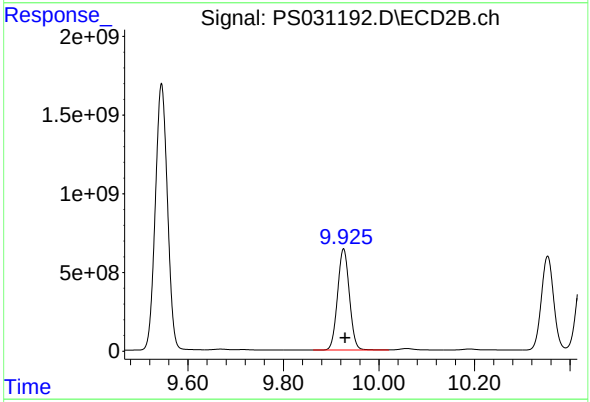
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

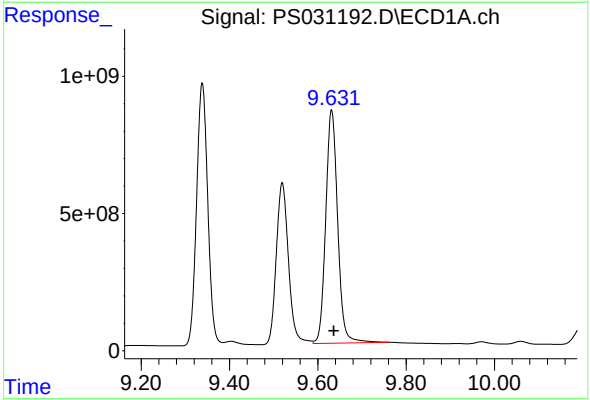
Manual Integrations APPROVED

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



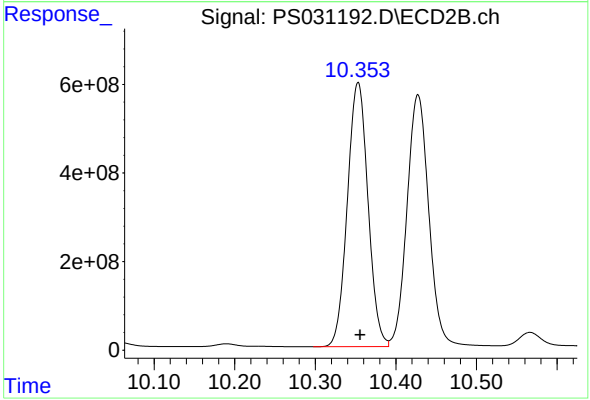
#11 2,4,5-TP (SILVEX)

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



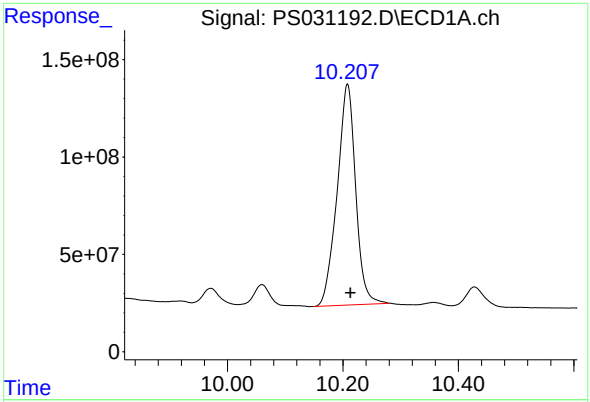
#12 2,4,5-T

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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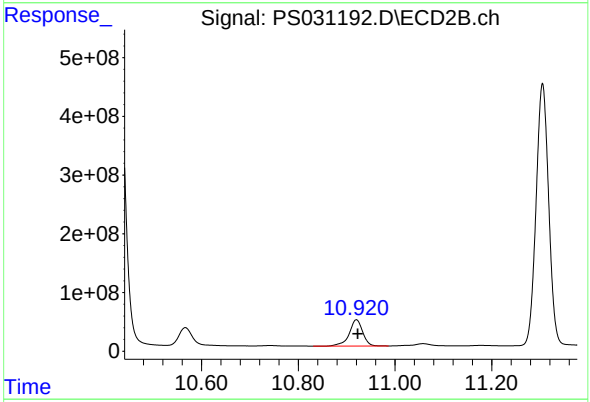
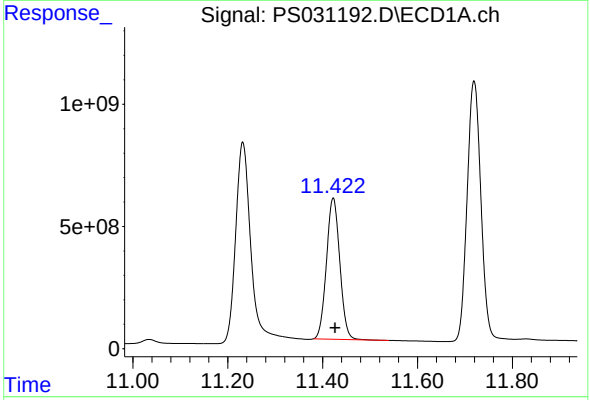


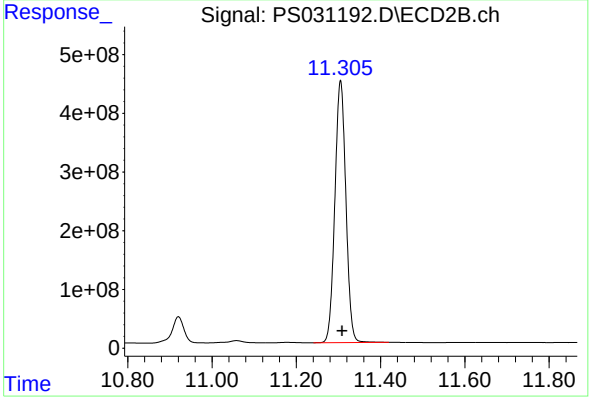
#13 2,4-DB

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



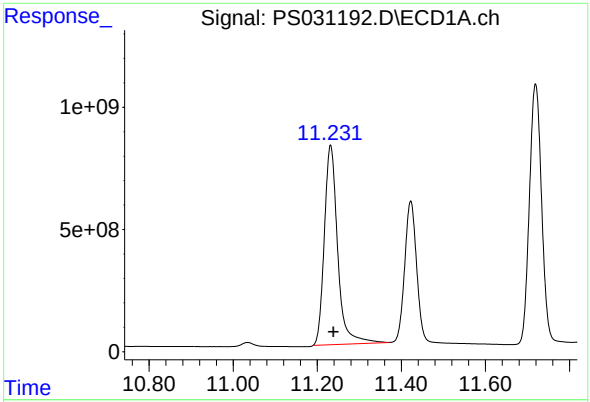
#14 DINOSEB

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



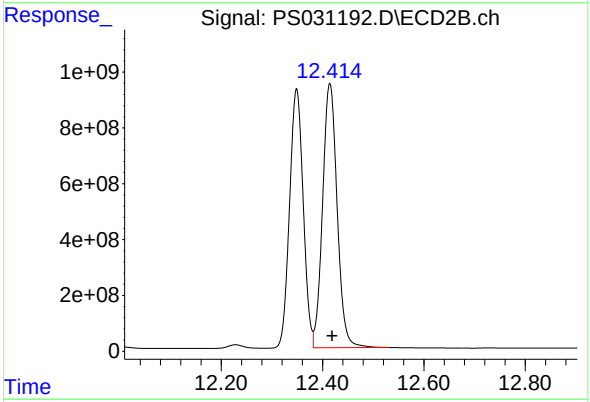
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

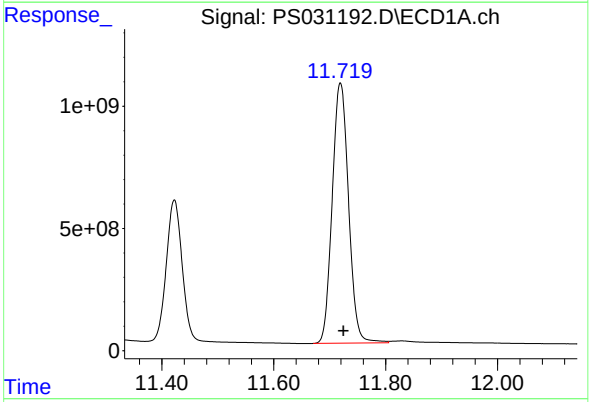
Manual Integrations APPROVED

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



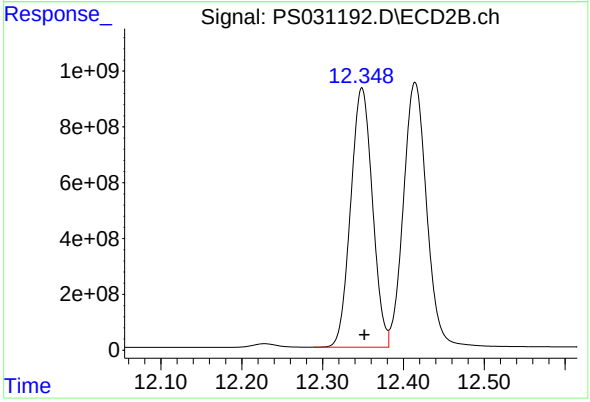
#15 Picloram

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

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.:** Q2558

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

Continuing Calib Time: 19:14 **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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

Continuing Calib Time: 19:14 **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	2.71	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

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

Client Sample No.: CCAL05 **Date Analyzed:** 07/23/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031202.D **Time Analyzed:** 19:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.630	9.536	9.736	822.390	712.500	15.4
2,4,5-TP(Silvex)	9.337	9.242	9.442	772.900	712.500	8.5
2,4-D	8.452	8.356	8.556	782.140	705.000	10.9
2,4-DB	10.206	10.113	10.313	849.240	712.500	19.2
2,4-DCAA	7.321	7.225	7.425	790.520	750.000	5.4
Dalapon	2.690	2.590	2.790	661.670	682.500	-3.1
DICAMBA	7.510	7.414	7.614	750.580	705.000	6.5
DICHLORPROP	8.221	8.124	8.324	743.100	705.000	5.4
Dinoseb	11.421	11.327	11.527	741.760	705.000	5.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

Client Sample No.: CCAL05 **Date Analyzed:** 07/23/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031202.D **Time Analyzed:** 19:14

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	754.190	712.500	5.9
2,4,5-TP(Silvex)	9.926	9.829	10.029	751.460	712.500	5.5
2,4-D	9.021	8.924	9.124	738.570	705.000	4.8
2,4-DB	10.920	10.823	11.023	757.480	712.500	6.3
2,4-DCAA	7.764	7.666	7.866	783.550	750.000	4.5
Dalapon	2.705	2.603	2.803	675.100	682.500	-1.1
DICAMBA	7.967	7.868	8.068	755.420	705.000	7.2
DICHLORPROP	8.685	8.588	8.788	732.000	705.000	3.8
Dinoseb	11.305	11.208	11.408	720.870	705.000	2.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:14
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 01:23:55 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	3437.4E6	795.3E6	790.522	783.547
	Target Compounds						
1) T	Dalapon	2.690	2.705	4150.6E6	1915.1E6	661.675	675.095
2) T	3,5-DICHL...	6.484	6.711	4029.1E6	1111.9E6	729.549	722.066
3) T	4-Nitroph...	7.120	7.297	1341.5E6	1307.9E6	813.621	722.888
5) T	DICAMBA	7.510	7.967	12382.3E6	4875.0E6	750.581	755.417
6) T	MCPP	7.692	8.066	790.0E6	156.9E6	78.920	75.508
7) T	MCPA	7.841	8.315	983.8E6	238.7E6	78.613	75.666
8) T	DICHLORPROP	8.221	8.685	2840.1E6	1108.9E6	743.095	731.997
9) T	2,4-D	8.452	9.021	2921.2E6	1254.3E6	782.140	738.569
10) T	Pentachlo...	8.762	9.545	43362.6E6	30334.5E6	793.874	776.191
11) T	2,4,5-TP ...	9.337	9.926	16967.8E6	11192.4E6	772.895	751.462
12) T	2,4,5-T	9.630	10.352	16059.5E6	10724.1E6	822.394	754.187
13) T	2,4-DB	10.206	10.920	2539.1E6	886.6E6	849.242m	757.478
14) T	DINOSEB	11.421	11.305	11548.9E6	8147.3E6	741.764m	720.867
15) T	Picloram	11.231	12.415	17723.8E6	19303.5E6	885.899	775.397
16) T	DCPA	11.718	12.348	22118.9E6	17777.8E6	770.867	771.740m

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

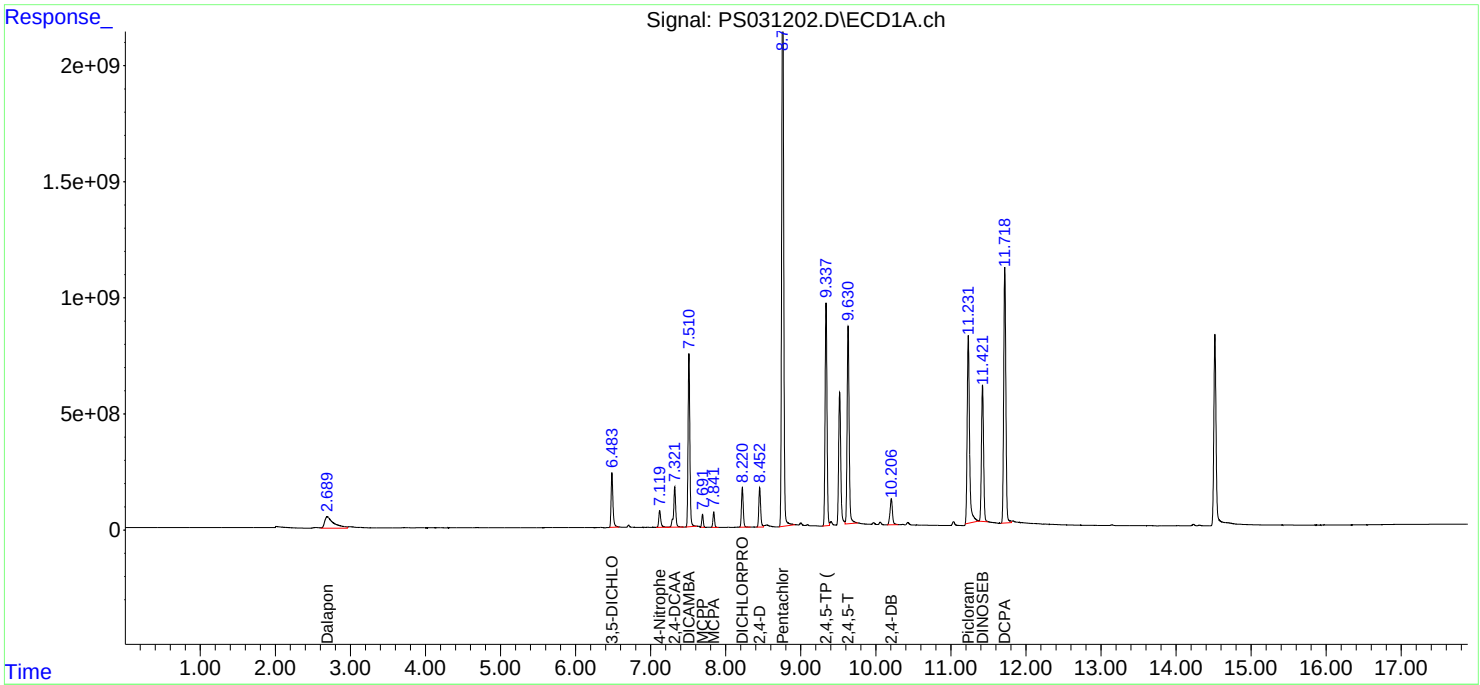
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:14
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

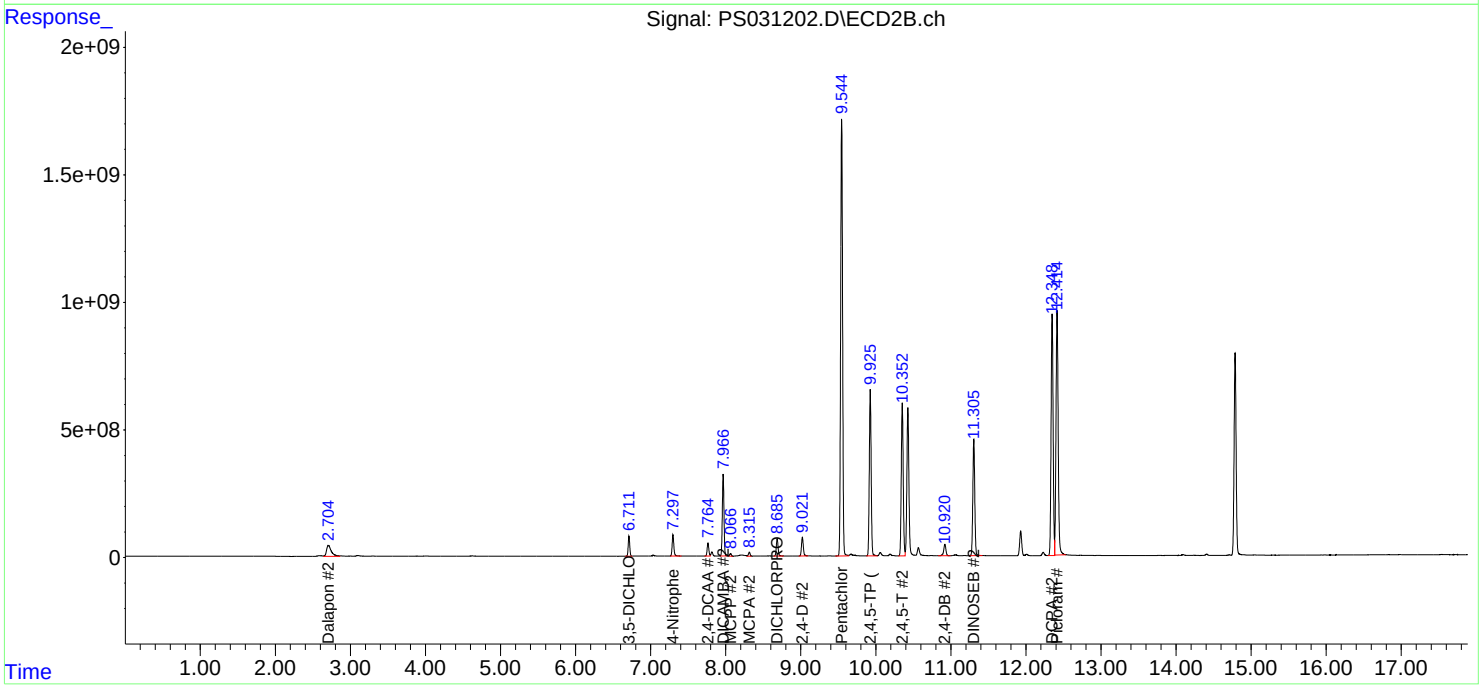
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

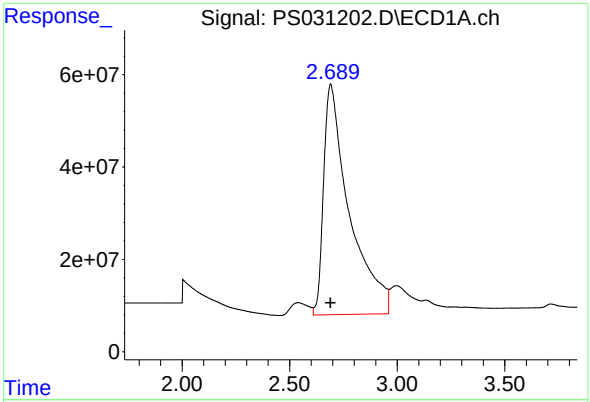
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:23:55 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







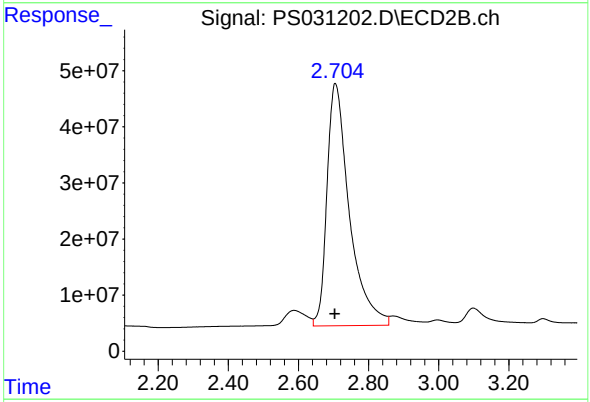
#1 Dalapon

R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 4150623593
Conc: 661.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

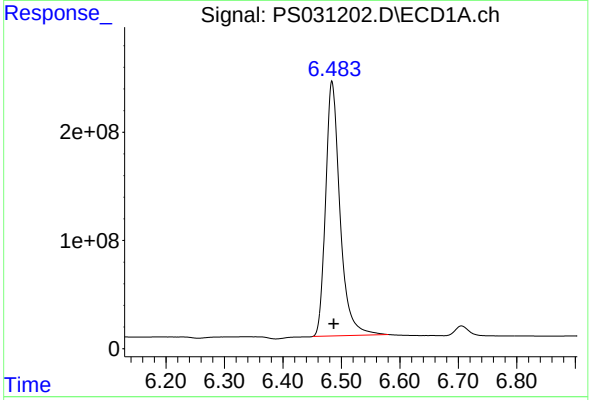
Manual Integrations APPROVED

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



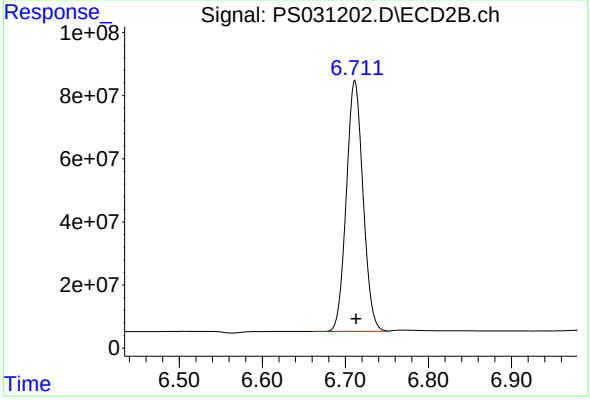
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: 0.001 min
Response: 1915070239
Conc: 675.10 ng/ml



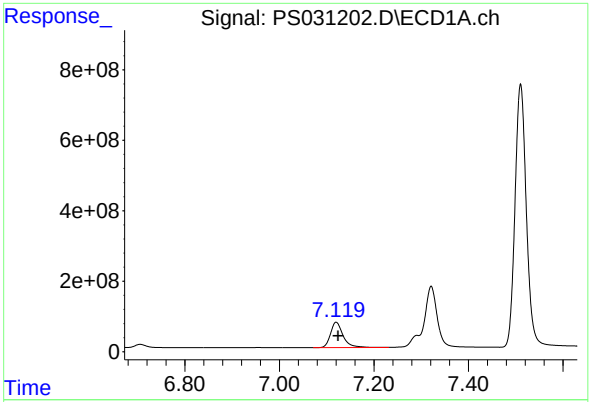
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 4029115455
Conc: 729.55 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1111906109
Conc: 722.07 ng/ml



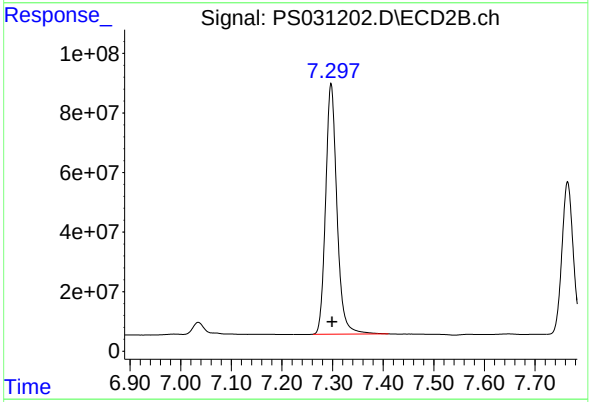
#3 4-Nitrophenol

R.T.: 7.120 min
Delta R.T.: -0.004 min
Response: 1341485608
Conc: 813.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

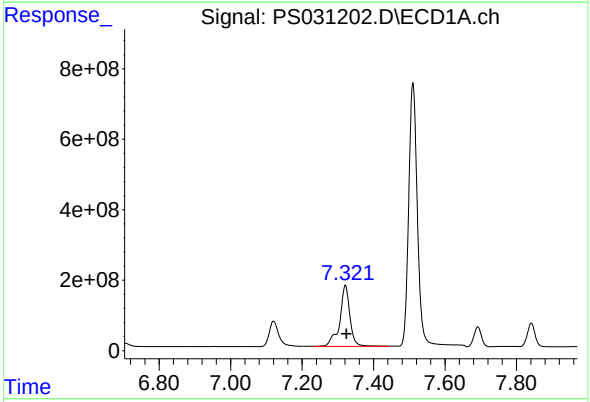
Manual Integrations APPROVED

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



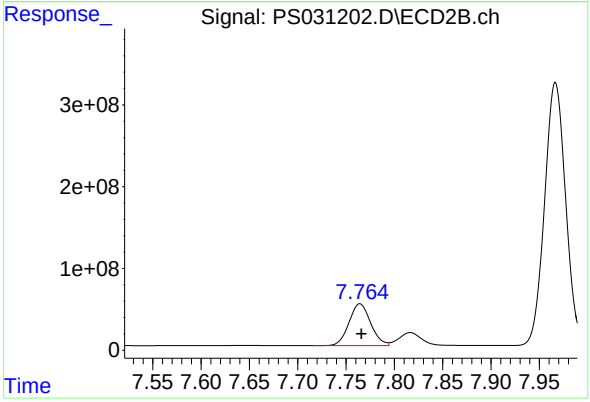
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 1307934163
Conc: 722.89 ng/ml



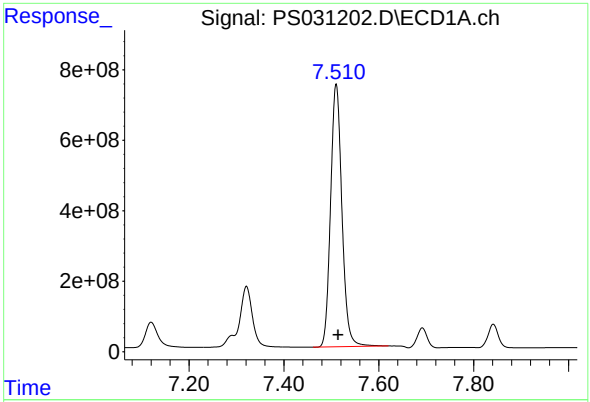
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 3437389369
Conc: 790.52 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 795275097
Conc: 783.55 ng/ml



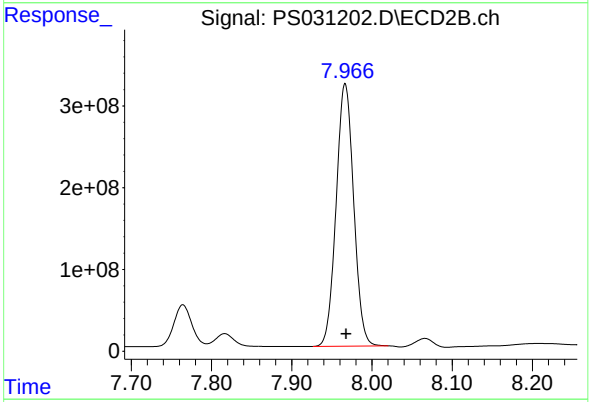
#5 DICAMBA

R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 12382312070
Conc: 750.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

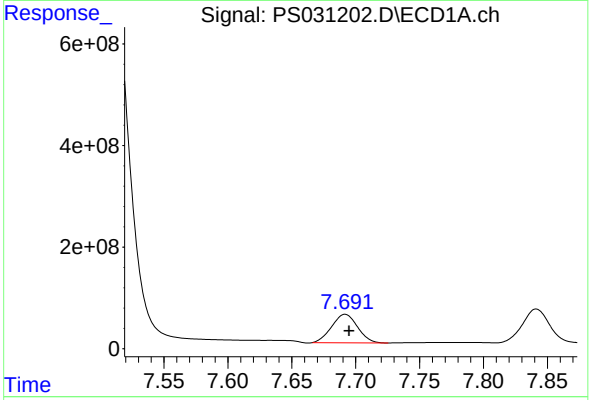
Manual Integrations
APPROVED

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



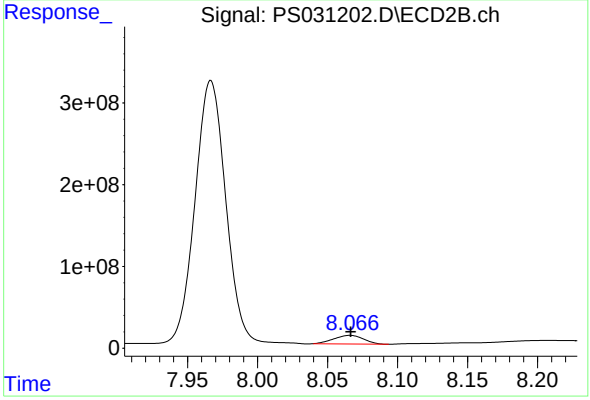
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.001 min
Response: 4874983674
Conc: 755.42 ng/ml



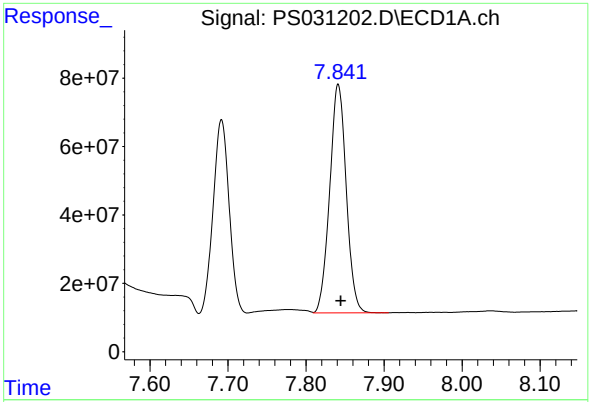
#6 MCPP

R.T.: 7.692 min
Delta R.T.: -0.003 min
Response: 789993130
Conc: 78.92 ug/ml



#6 MCPP

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 156890156
Conc: 75.51 ug/ml



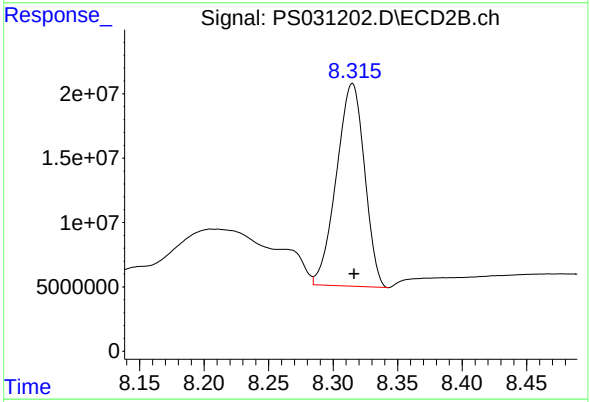
#7 MCPA

R.T.: 7.841 min
Delta R.T.: -0.003 min
Response: 983779212
Conc: 78.61 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

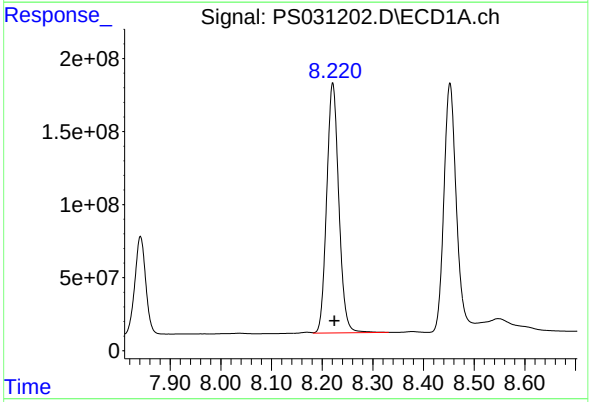
Manual Integrations
APPROVED

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



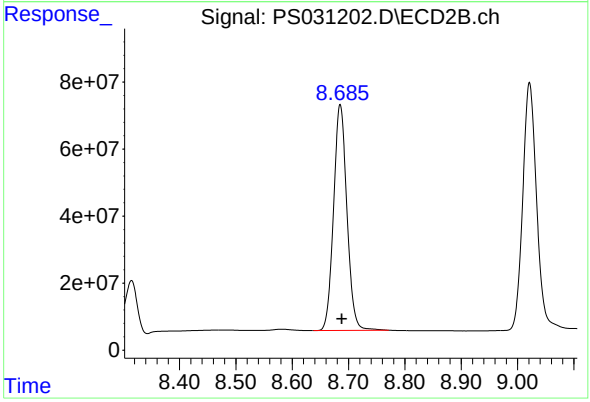
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.001 min
Response: 238743196
Conc: 75.67 ug/ml



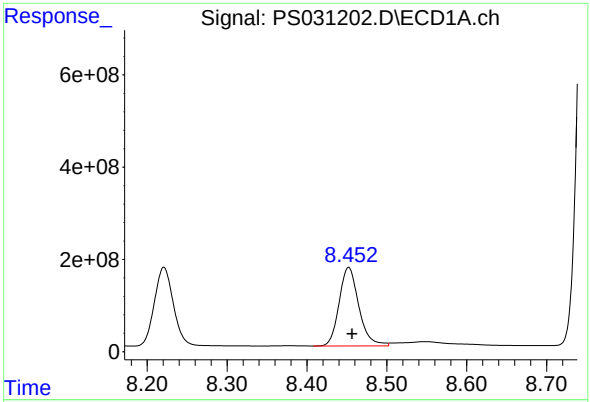
#8 DICHLORPROP

R.T.: 8.221 min
Delta R.T.: -0.004 min
Response: 2840077335
Conc: 743.10 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1108874011
Conc: 732.00 ng/ml



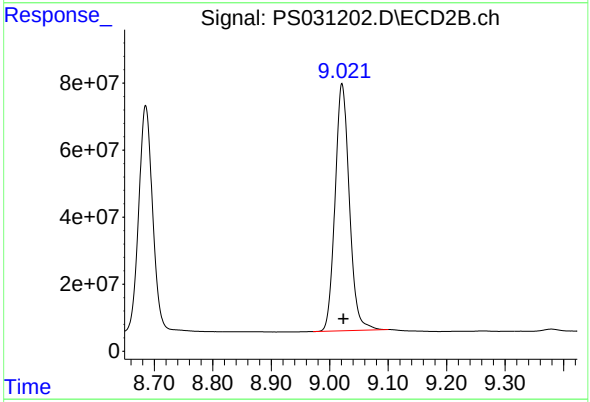
#9 2,4-D

R.T.: 8.452 min
Delta R.T.: -0.004 min
Response: 2921227207
Conc: 782.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

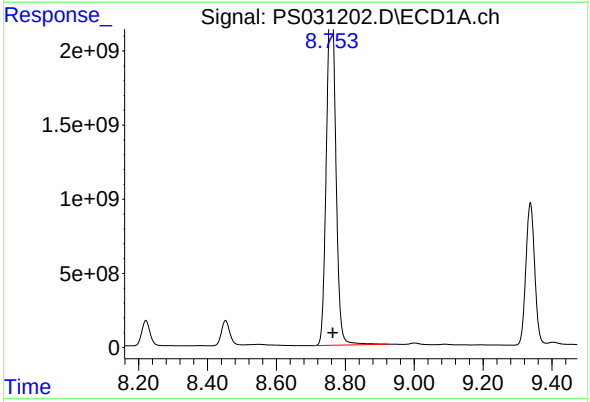
Manual Integrations
APPROVED

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



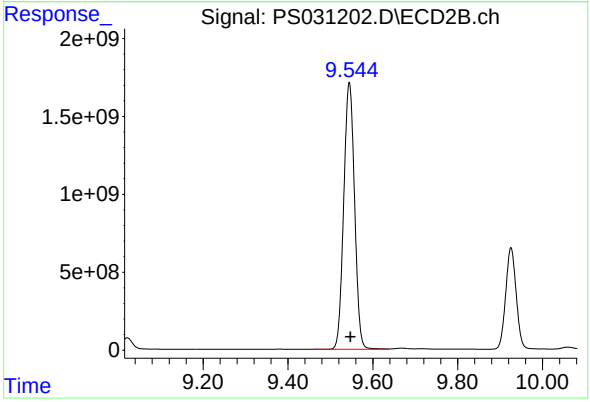
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 1254326336
Conc: 738.57 ng/ml



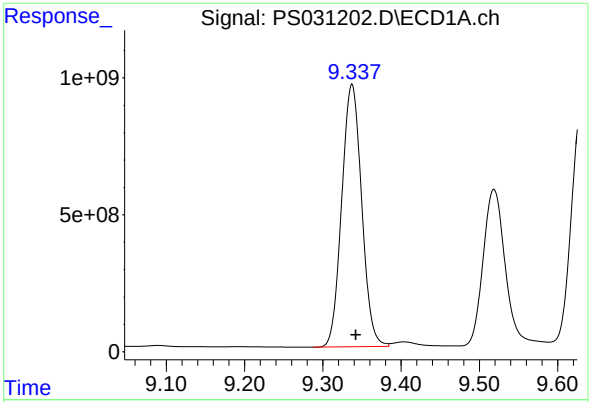
#10 Pentachlorophenol

R.T.: 8.762 min
Delta R.T.: -0.002 min
Response: 43362647638
Conc: 793.87 ng/ml



#10 Pentachlorophenol

R.T.: 9.545 min
Delta R.T.: -0.003 min
Response: 30334488674
Conc: 776.19 ng/ml



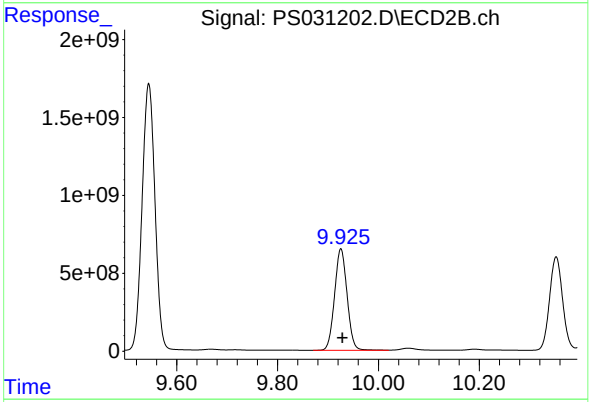
#11 2,4,5-TP (SILVEX)

R.T.: 9.337 min
Delta R.T.: -0.005 min
Response: 16967810559
Conc: 772.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

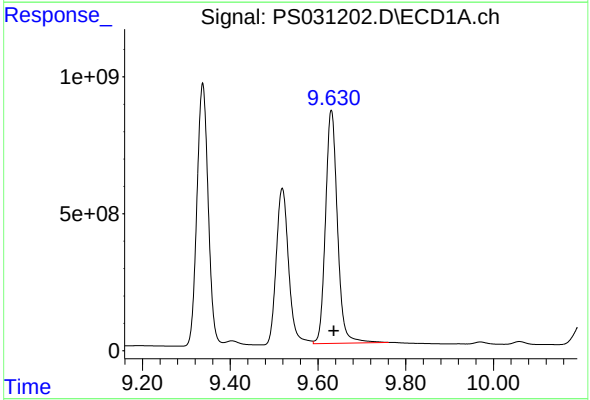
Manual Integrations APPROVED

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



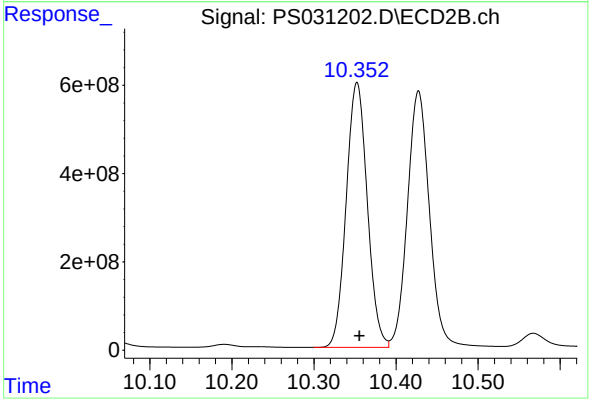
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 11192414211
Conc: 751.46 ng/ml



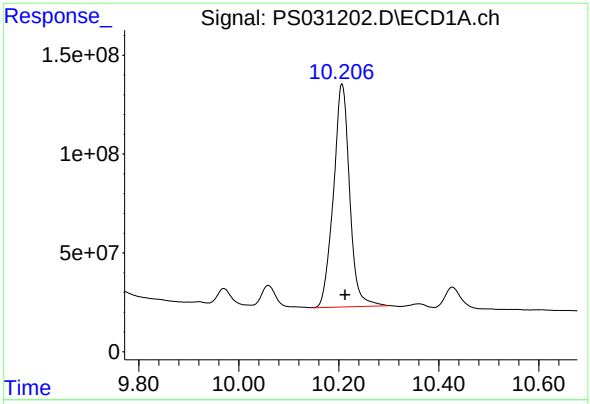
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 16059537562
Conc: 822.39 ng/ml



#12 2,4,5-T

R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 10724134366
Conc: 754.19 ng/ml



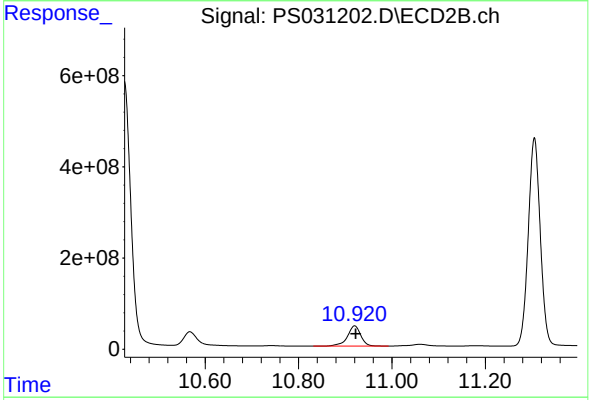
#13 2,4-DB

R.T.: 10.206 min
Delta R.T.: -0.007 min
Response: 2539133795
Conc: 849.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

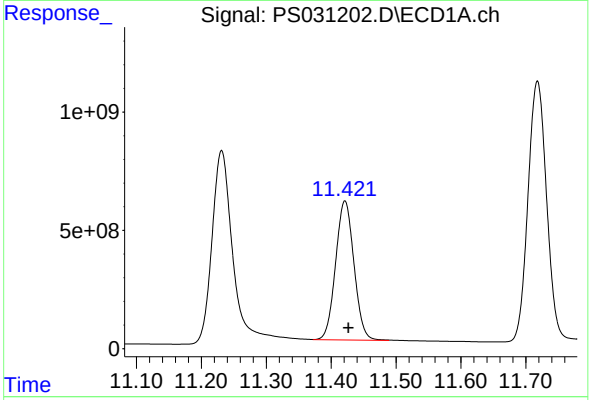
Manual Integrations APPROVED

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



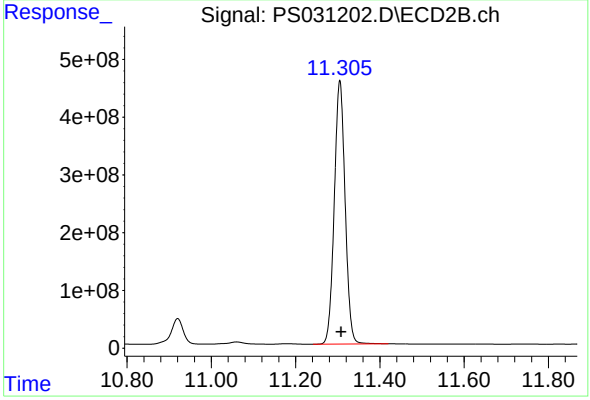
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 886636203
Conc: 757.48 ng/ml



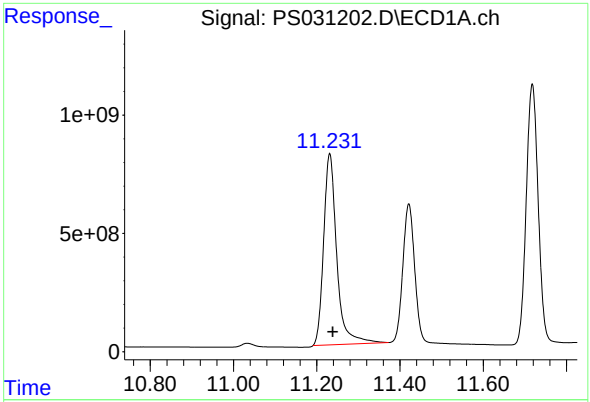
#14 DINOSEB

R.T.: 11.421 min
Delta R.T.: -0.006 min
Response: 11548889564
Conc: 741.76 ng/ml m



#14 DINOSEB

R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 8147297655
Conc: 720.87 ng/ml



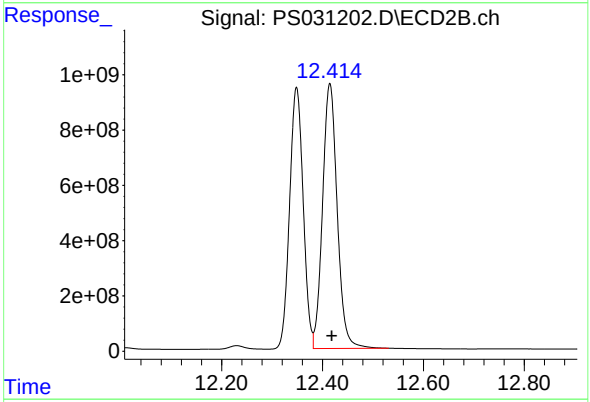
#15 Picloram

R.T.: 11.231 min
Delta R.T.: -0.007 min
Response: 17723814588
Conc: 885.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

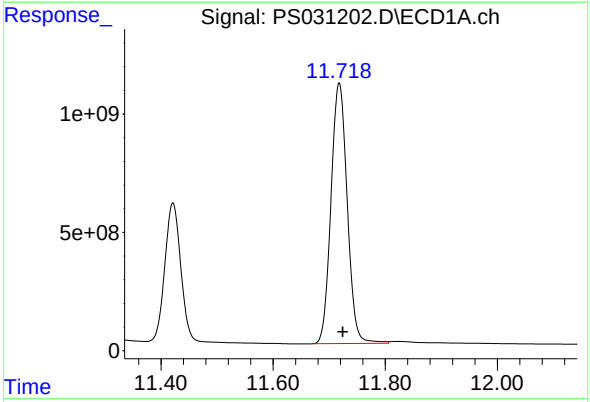
Manual Integrations APPROVED

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



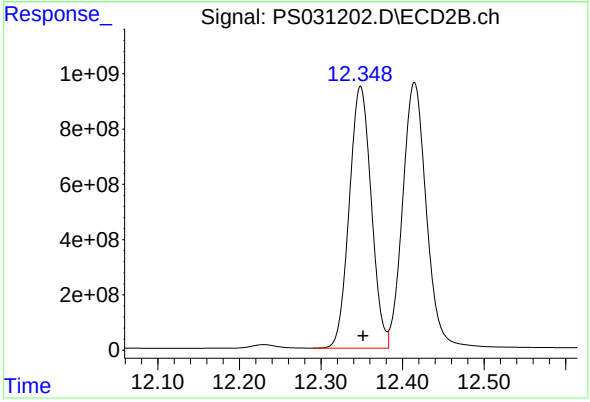
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 19303528903
Conc: 775.40 ng/ml



#16 DCPA

R.T.: 11.718 min
Delta R.T.: -0.006 min
Response: 22118853941
Conc: 770.87 ng/ml



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.004 min
Response: 17777823751
Conc: 771.74 ng/ml m

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

Client Sample No.: CCAL06 **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

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

Client Sample No.: CCAL06 **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

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 07/25/2025

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.

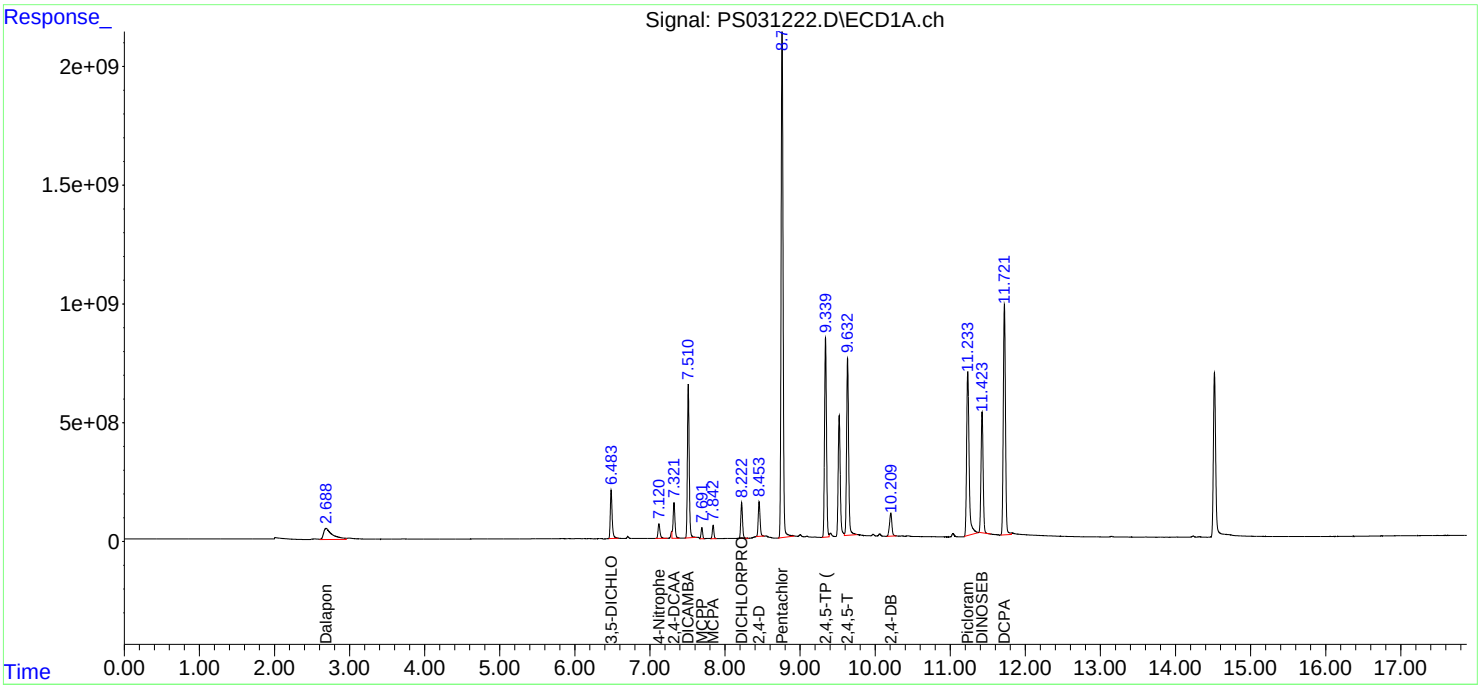
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

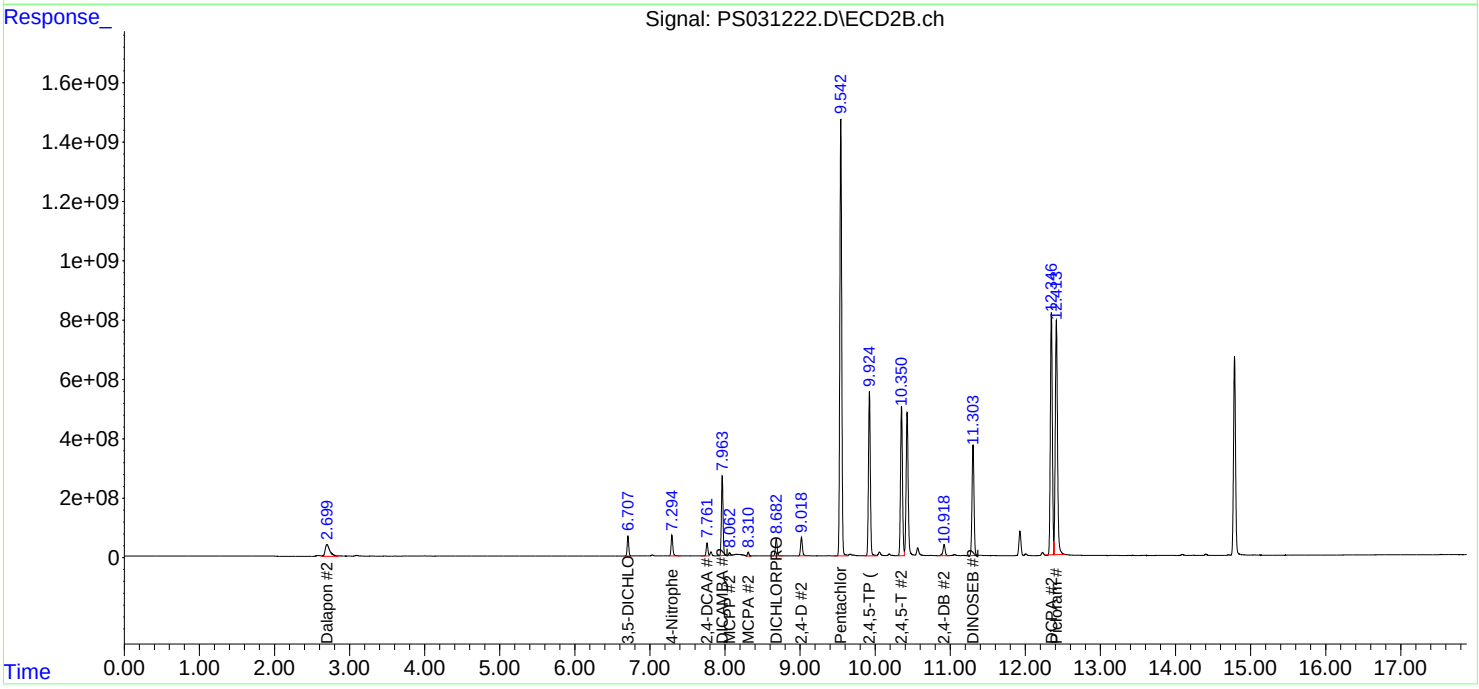
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

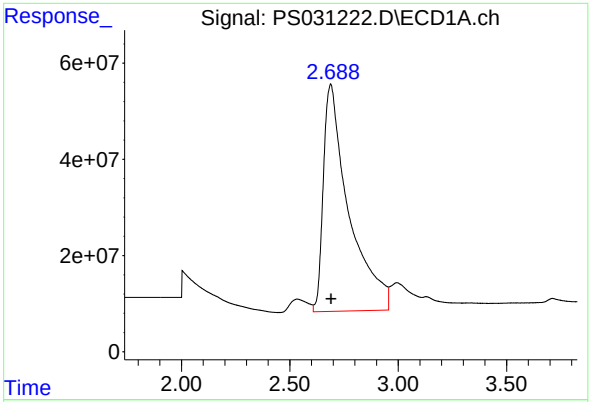
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/25/2025

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







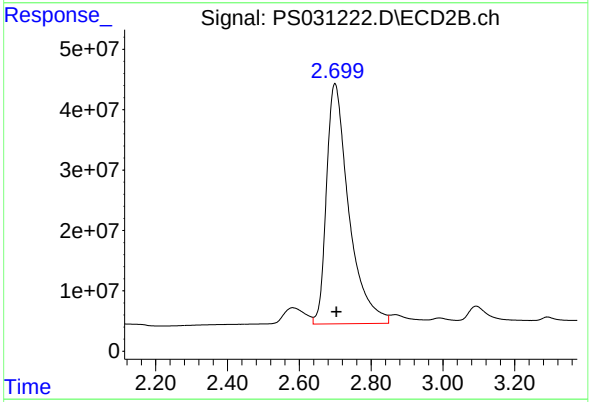
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

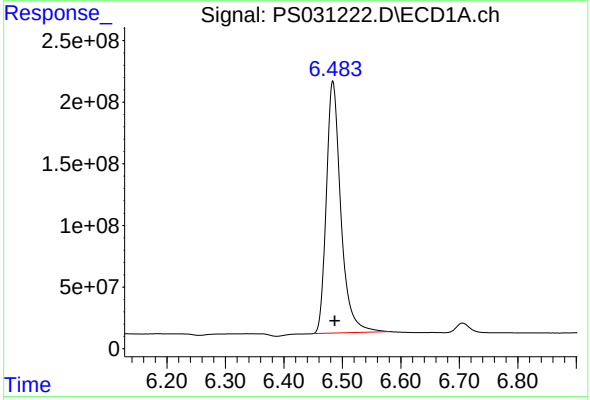
Manual Integrations APPROVED

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



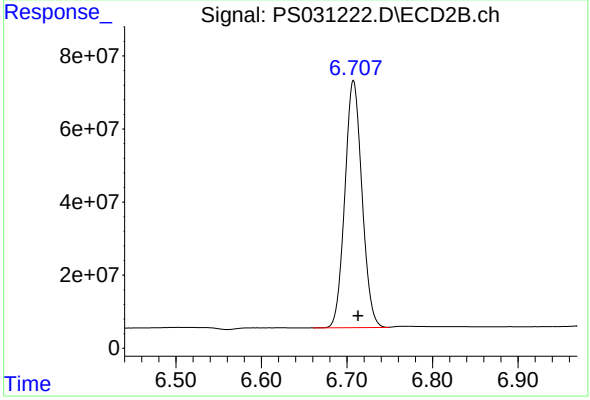
#1 Dalapon

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



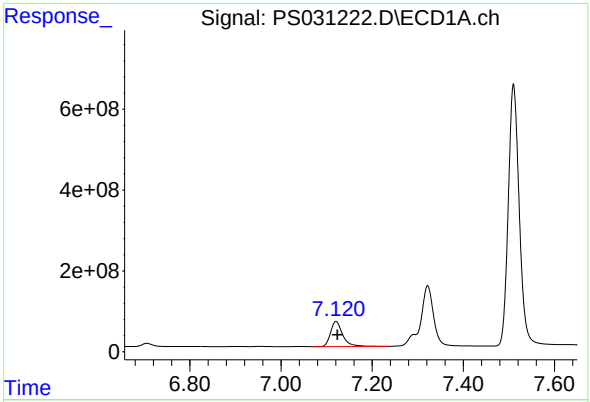
#2 3,5-DICHLOROBENZOIC ACID

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



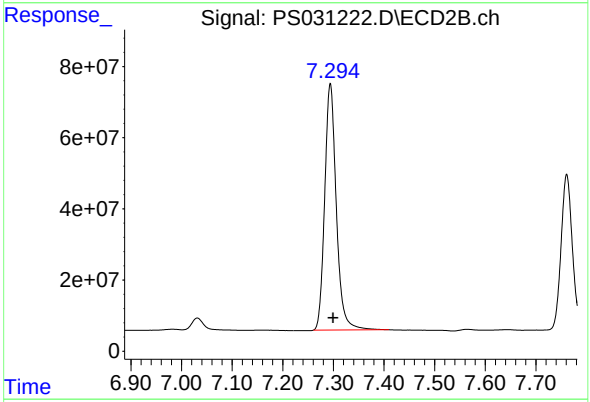
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

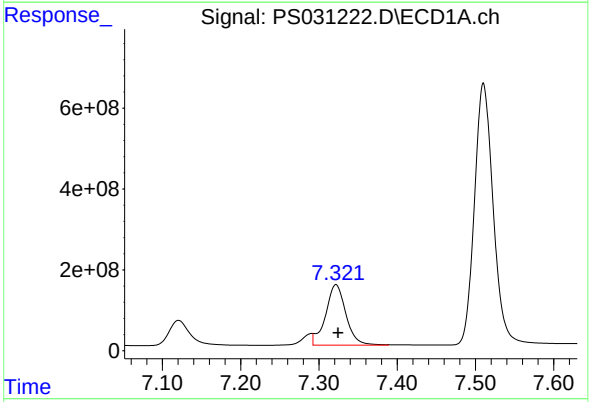
Manual Integrations APPROVED

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



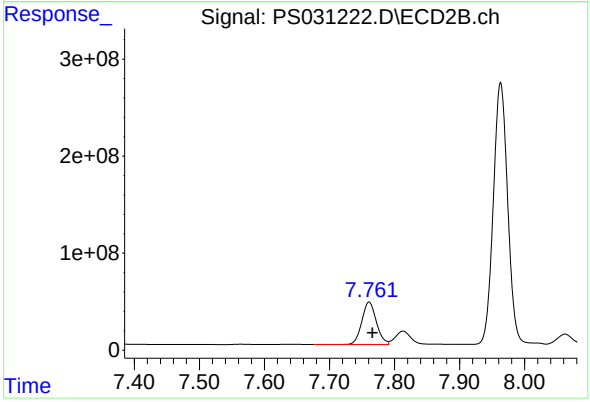
#3 4-Nitrophenol

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



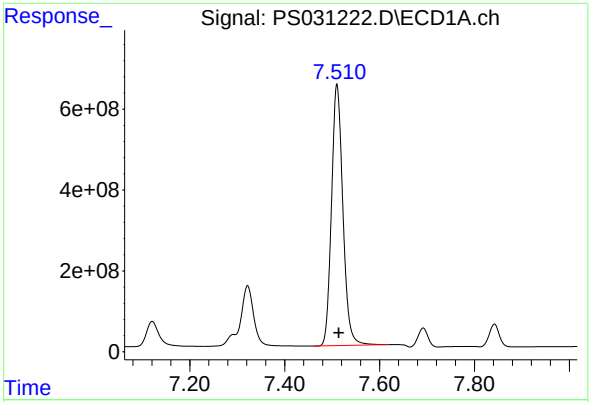
#4 2,4-DCAA

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



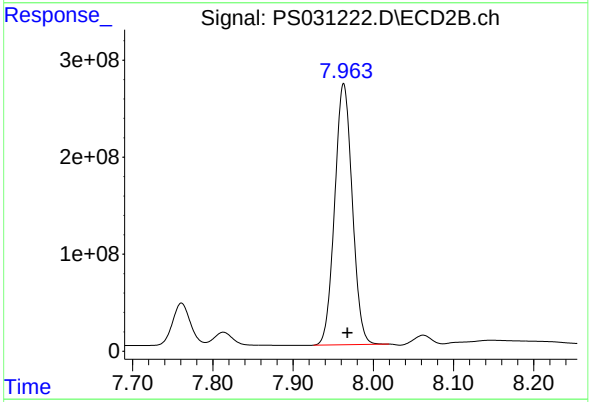
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

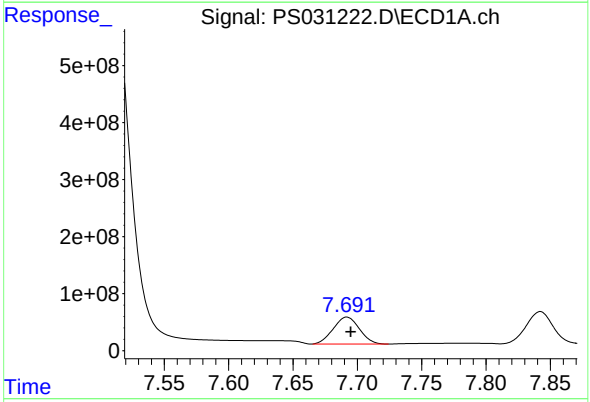
Manual Integrations APPROVED

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



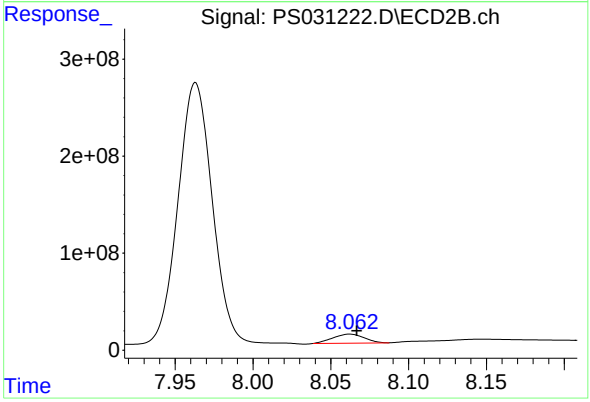
#5 DICAMBA

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



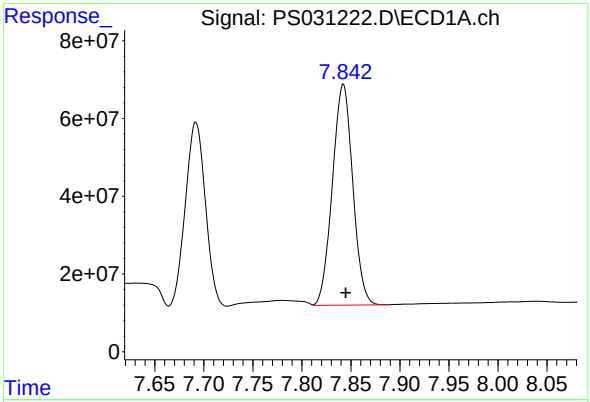
#6 MCPP

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



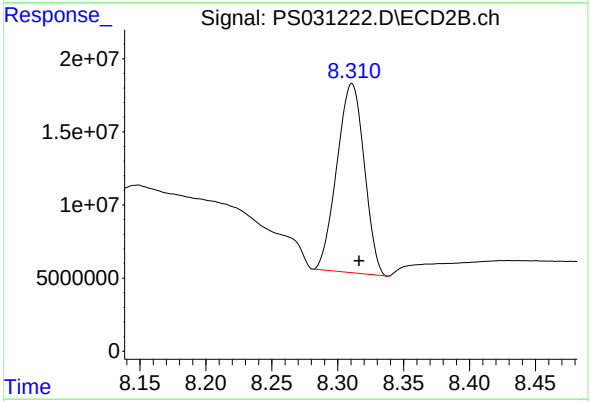
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

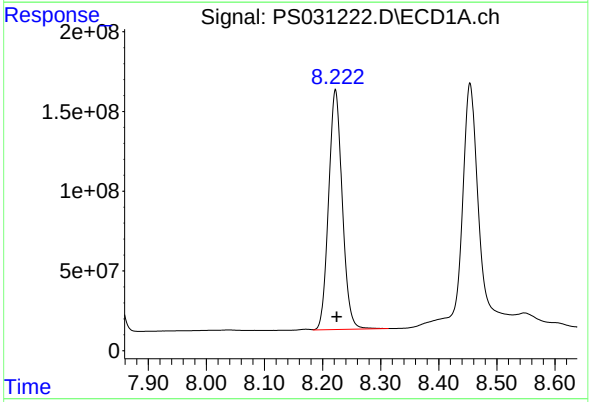
Manual Integrations APPROVED

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



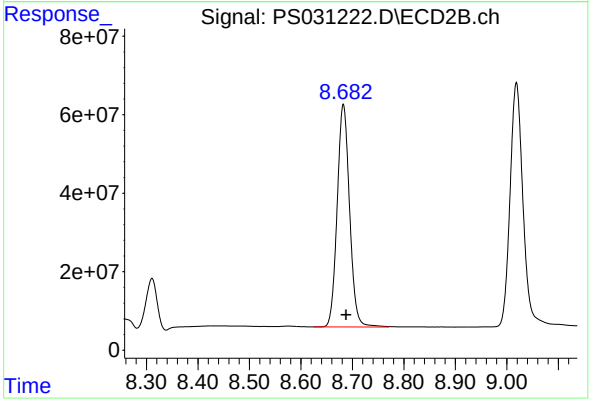
#7 MCPA

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



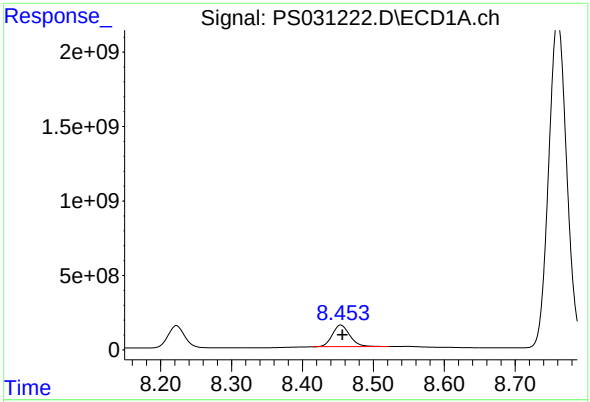
#8 DICHLORPROP

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



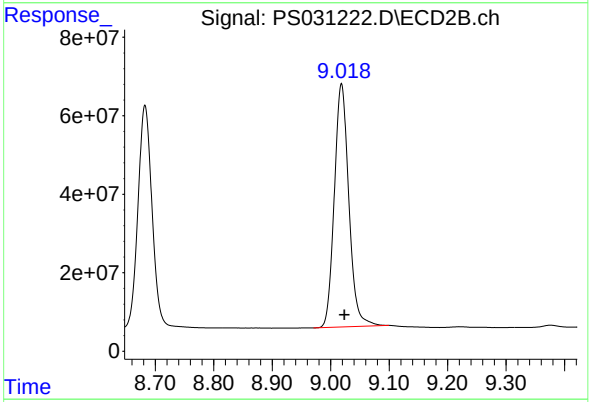
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

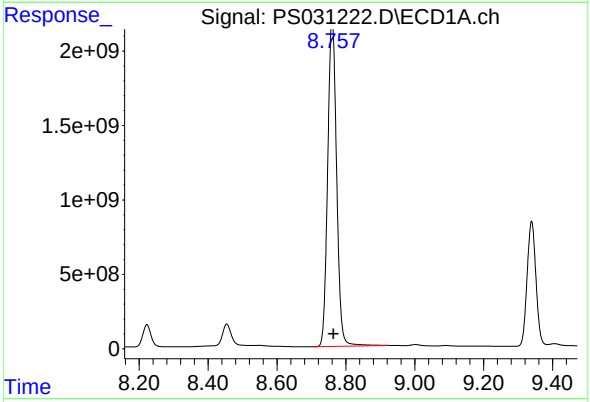
Manual Integrations APPROVED

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



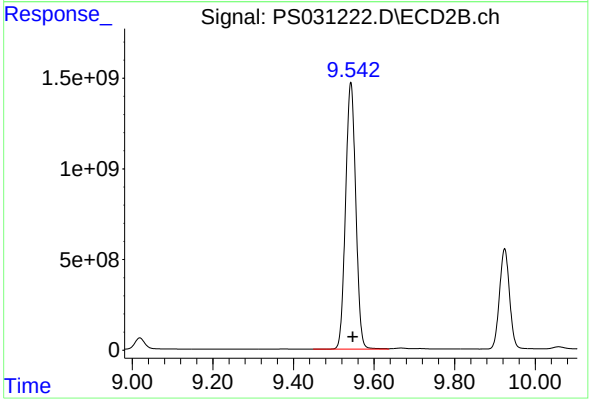
#9 2,4-D

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



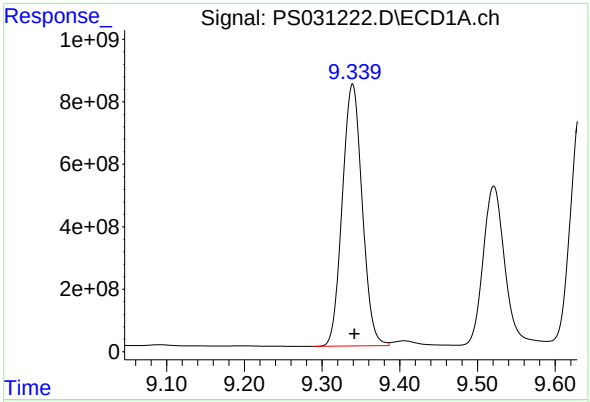
#10 Pentachlorophenol

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



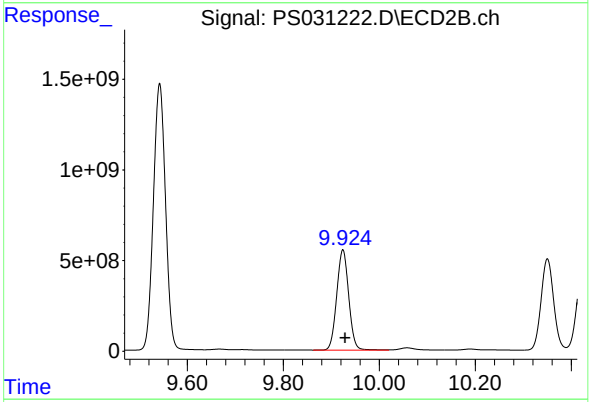
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

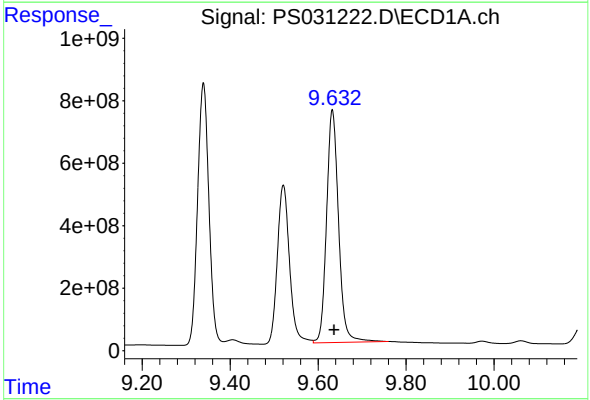
Manual Integrations APPROVED

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



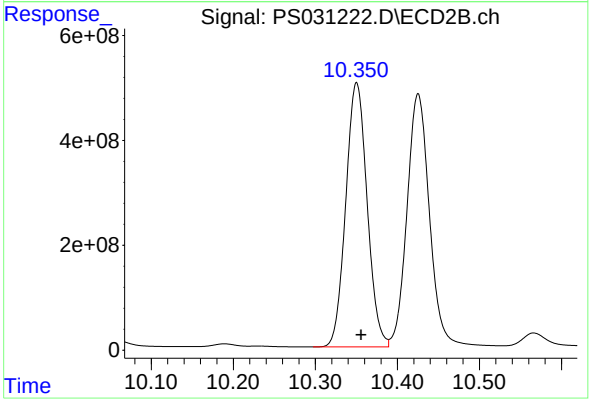
#11 2,4,5-TP (SILVEX)

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



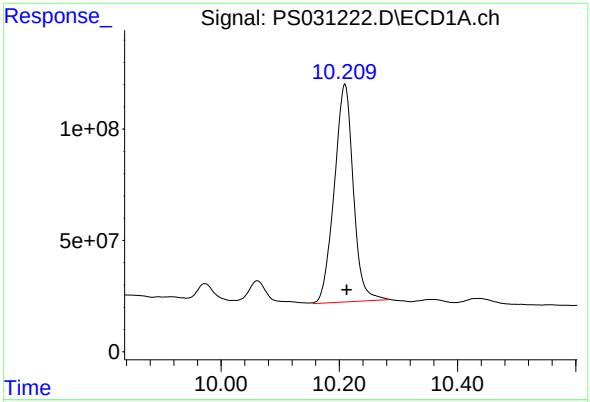
#12 2,4,5-T

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



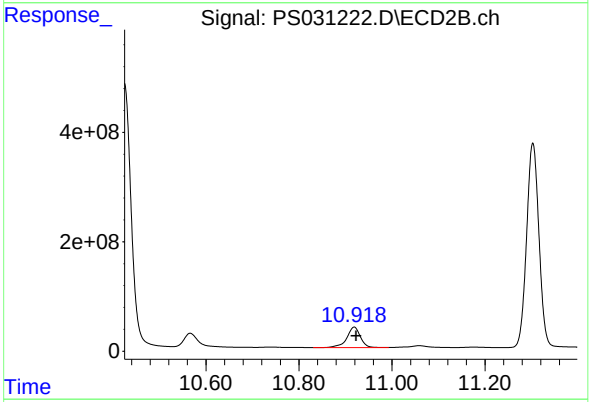
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

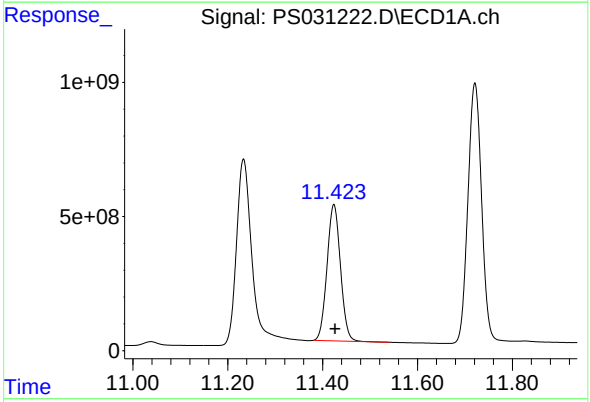
Manual Integrations
APPROVED

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



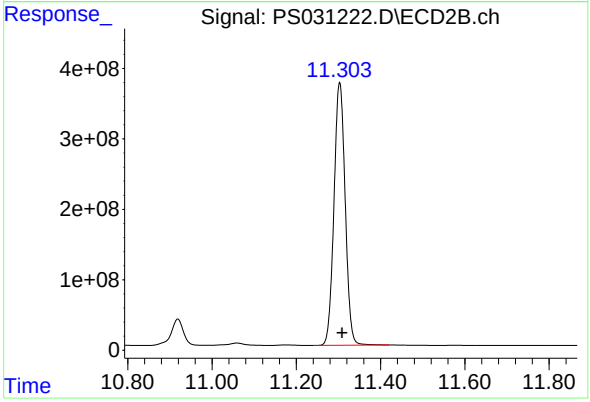
#13 2,4-DB

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



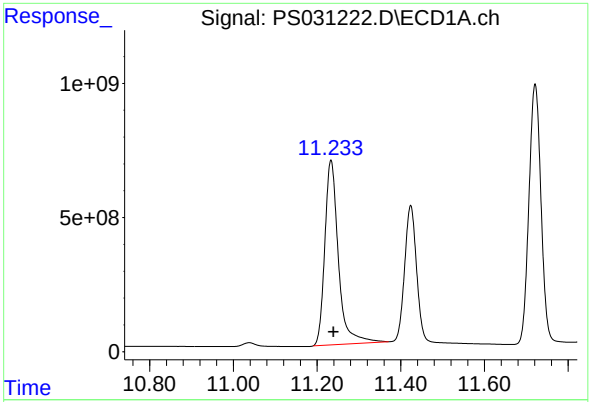
#14 DINOSEB

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



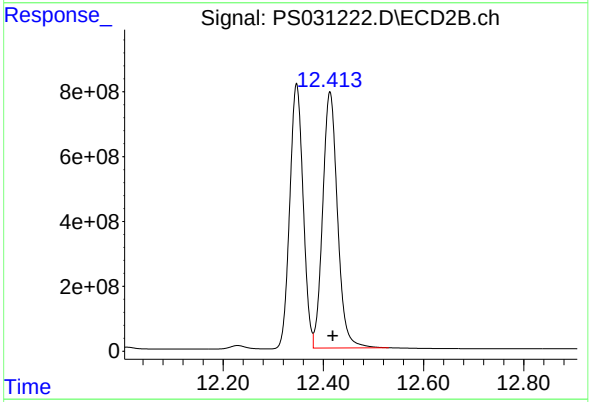
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

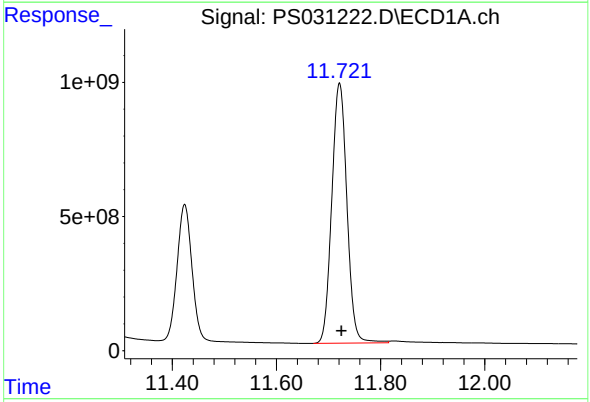
Manual Integrations APPROVED

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



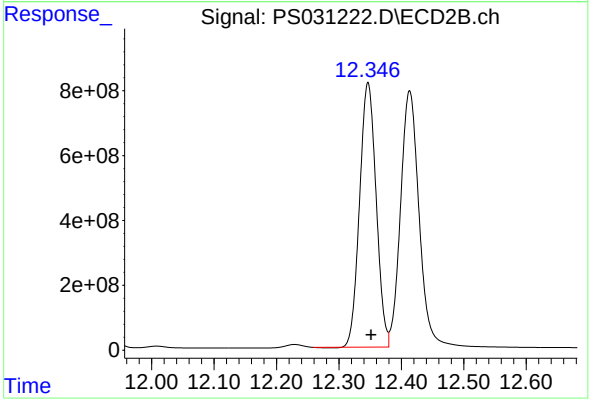
#15 Picloram

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

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

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

Client Sample No.: CCAL07 **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

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.:** Q2558

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

Client Sample No.: CCAL07 **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 07/25/2025

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.

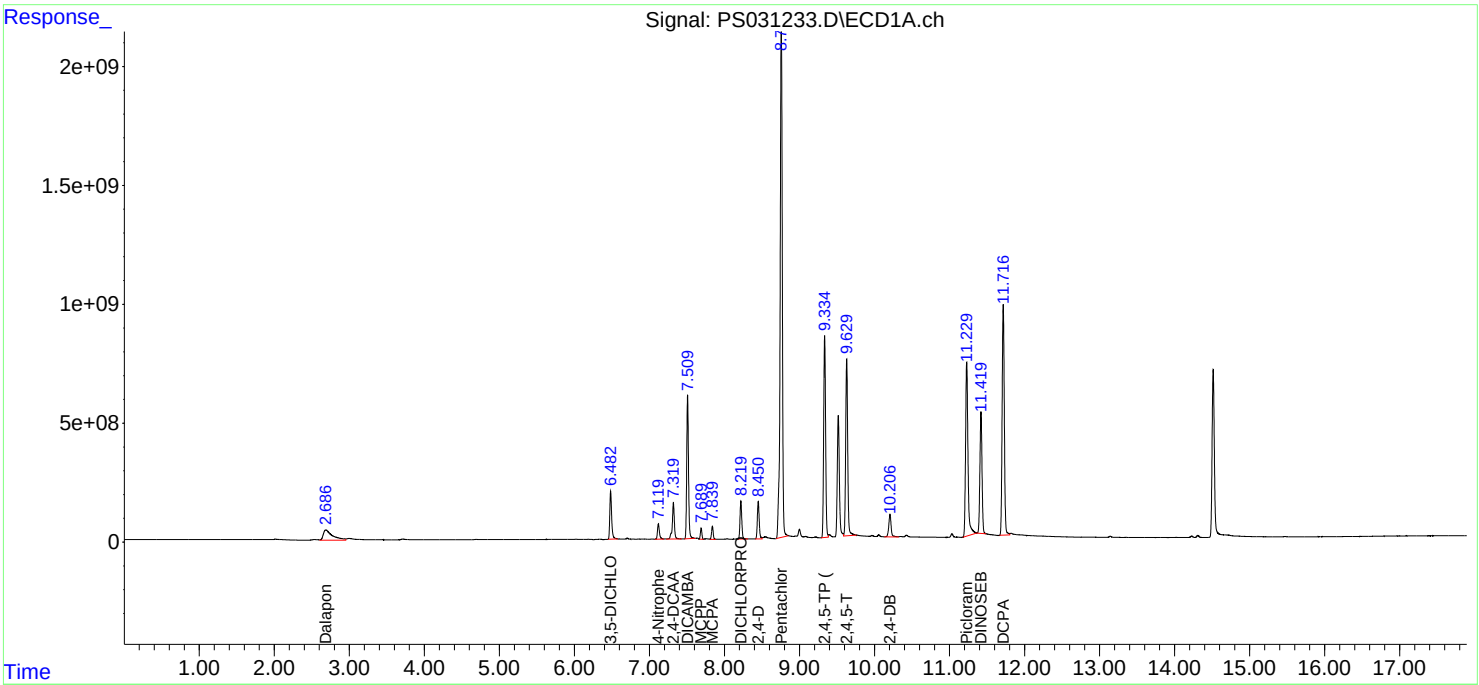
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:39
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 35 Sample Multiplier: 1

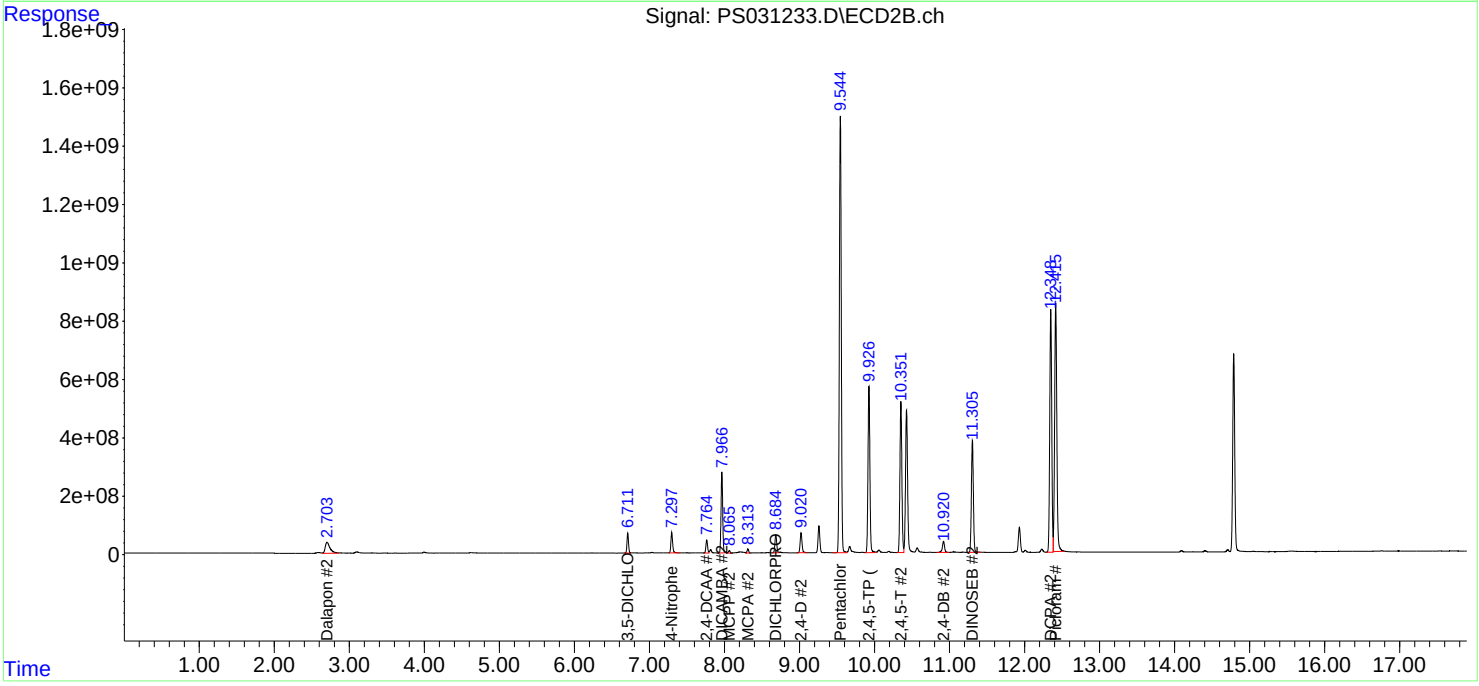
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

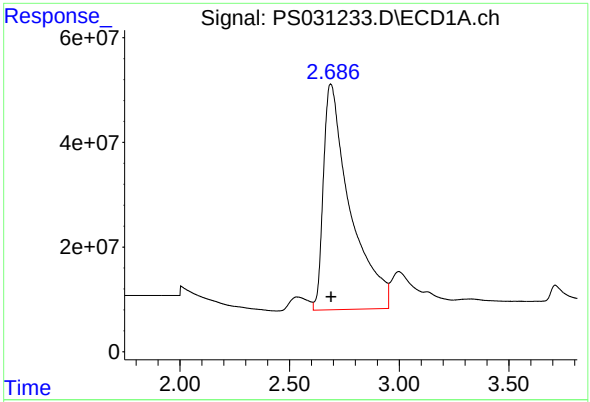
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/25/2025

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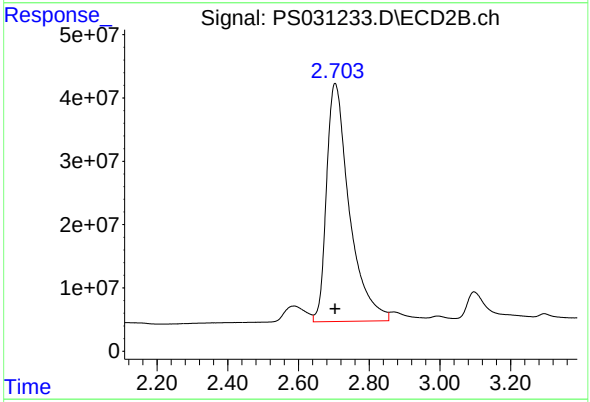
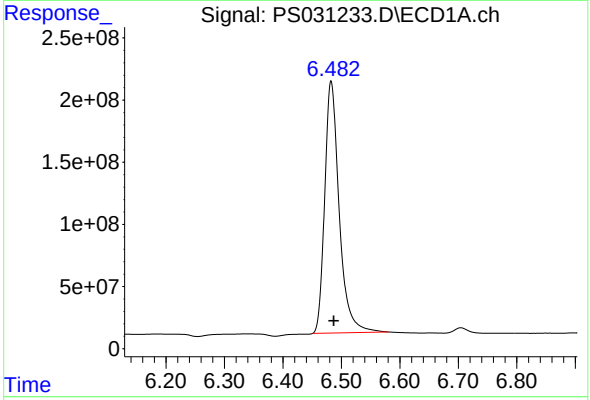
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/25/2025



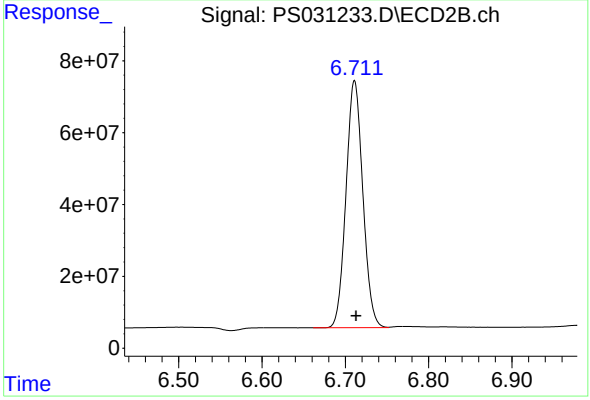
#1 Dalapon

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



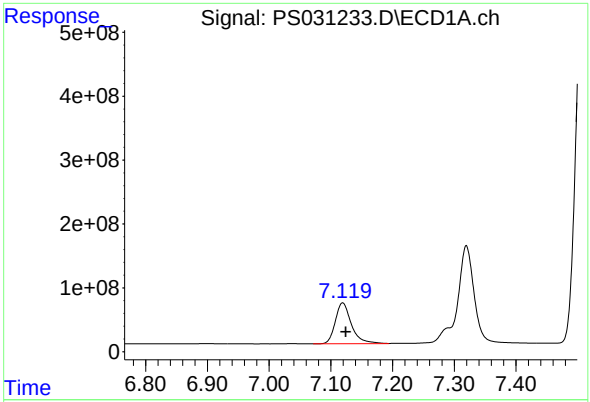
#2 3,5-DICHLOROBENZOIC ACID

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

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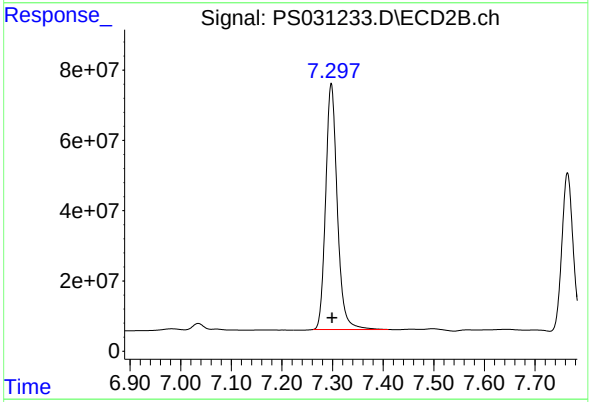
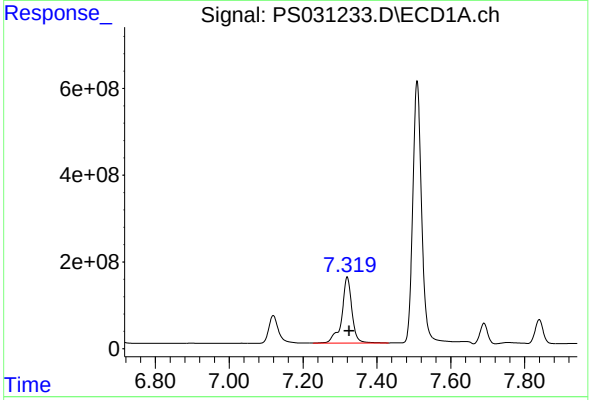
Supervised By :mohammad ahmed 07/25/2025



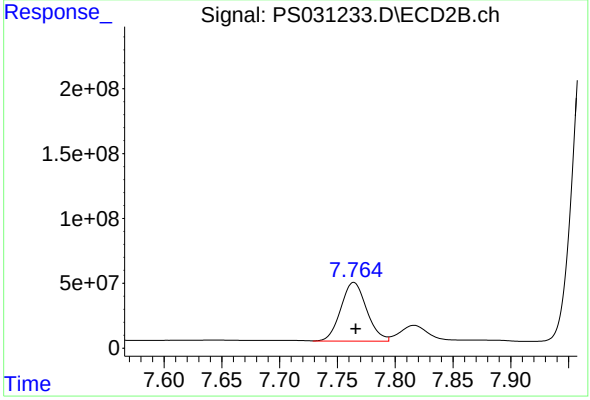
#3 4-Nitrophenol

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



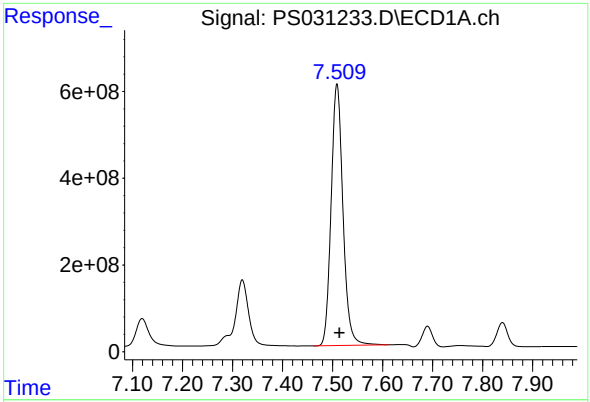
#4 2,4-DCAA

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



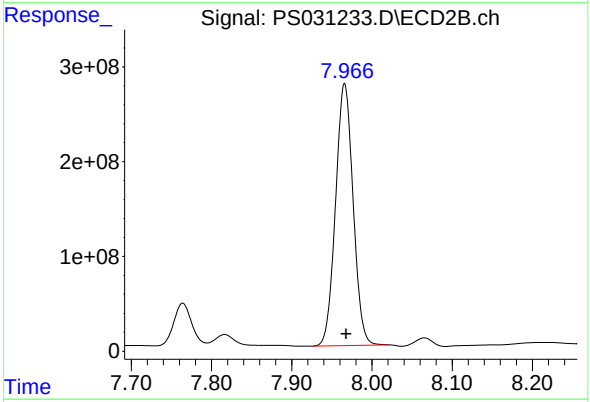
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

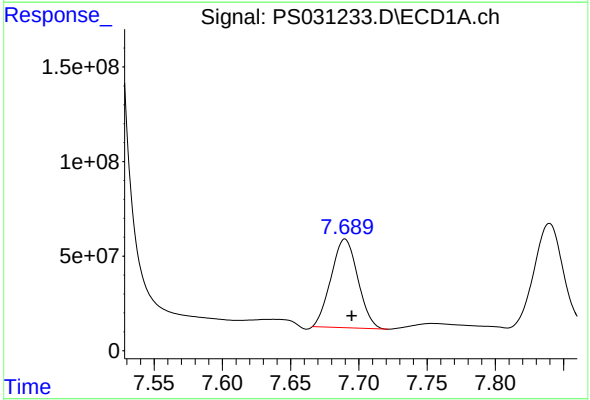
Manual Integrations APPROVED

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



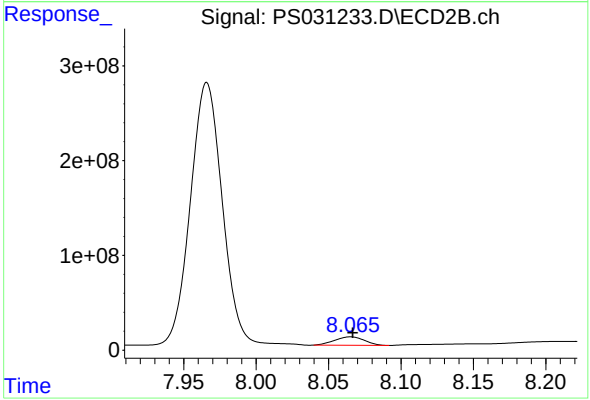
#5 DICAMBA

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



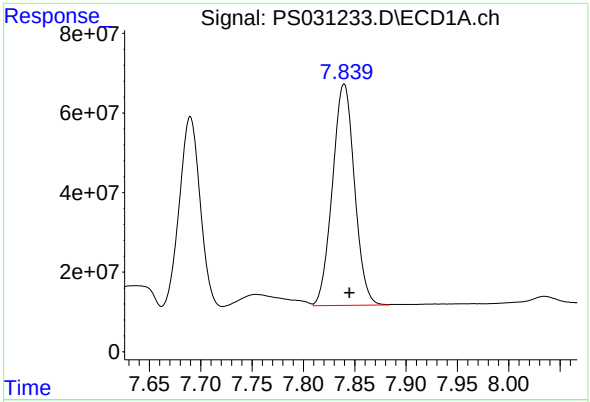
#6 MCPP

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



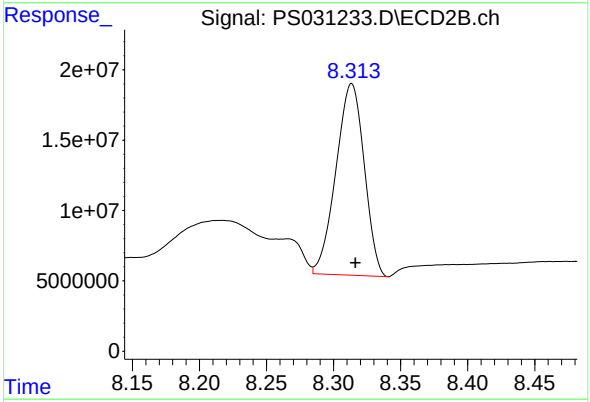
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

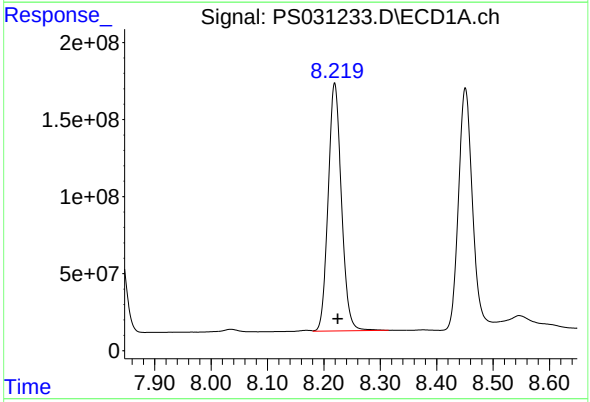
Manual Integrations
APPROVED

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



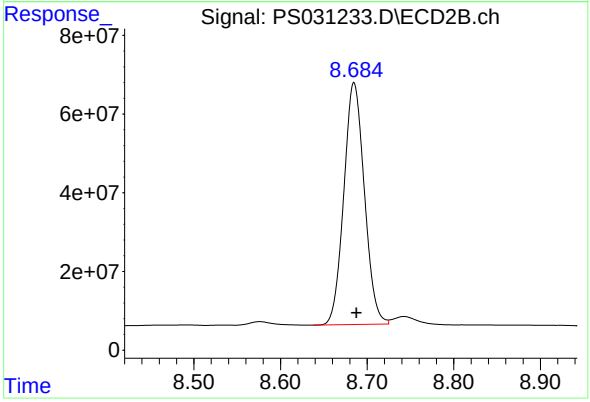
#7 MCPA

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



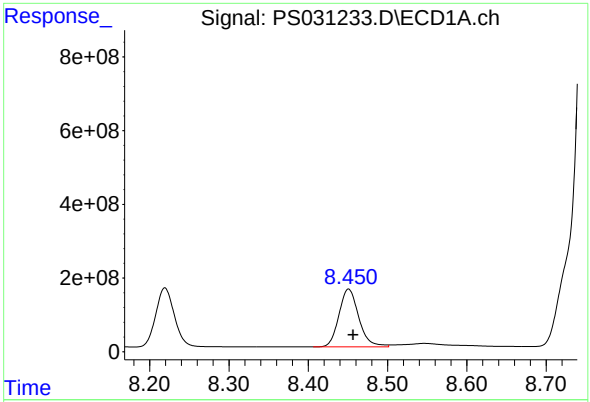
#8 DICHLORPROP

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



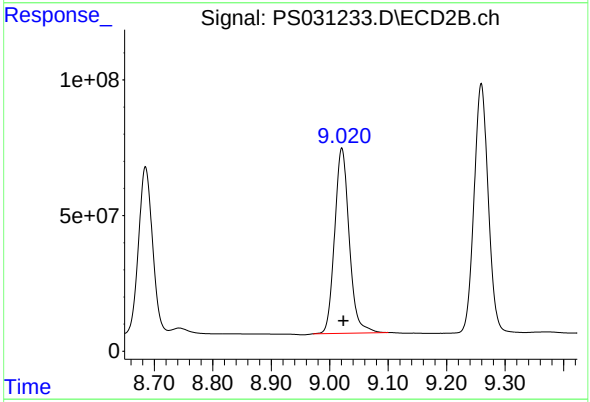
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

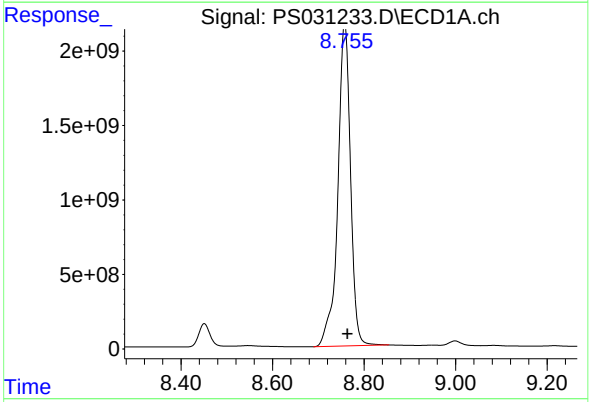
Manual Integrations
APPROVED

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



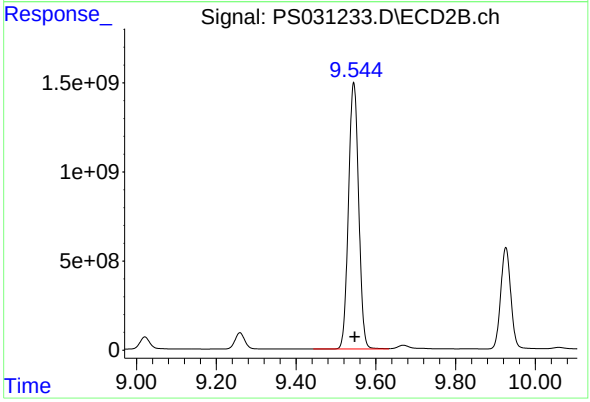
#9 2,4-D

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



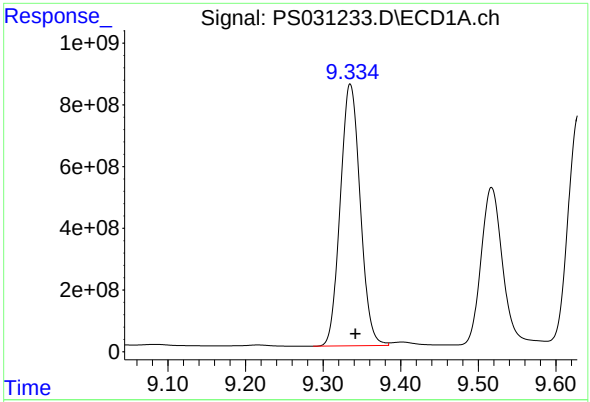
#10 Pentachlorophenol

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



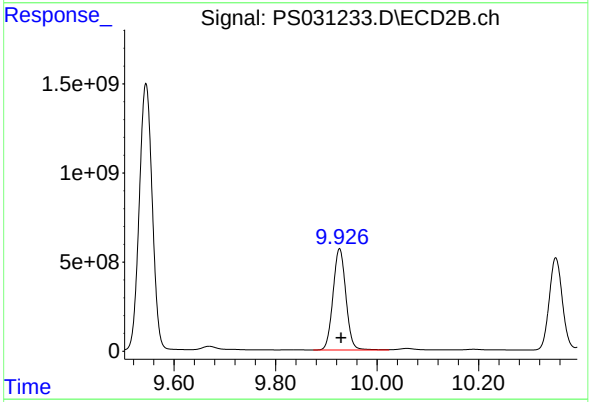
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

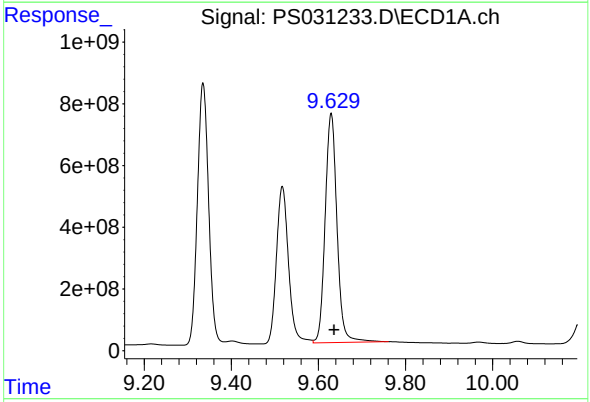
Manual Integrations APPROVED

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



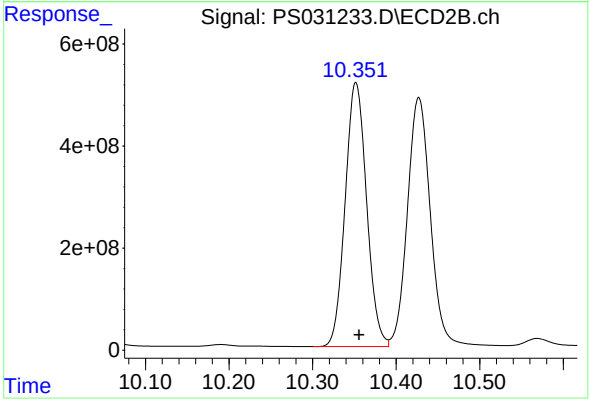
#11 2,4,5-TP (SILVEX)

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



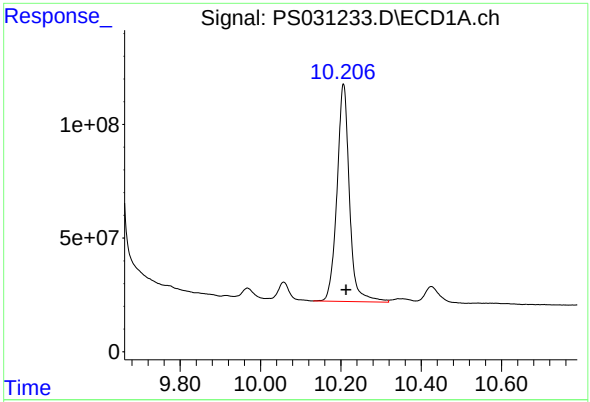
#12 2,4,5-T

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



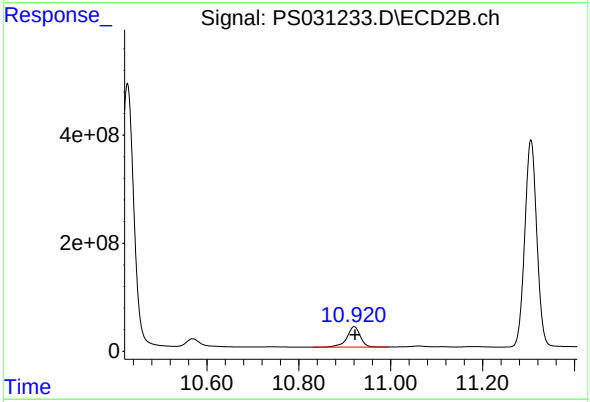
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

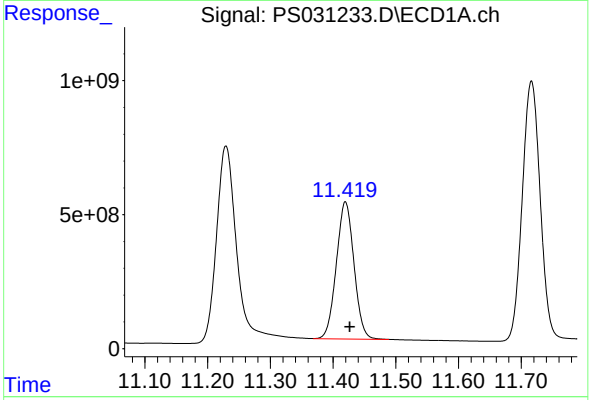
Manual Integrations APPROVED

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



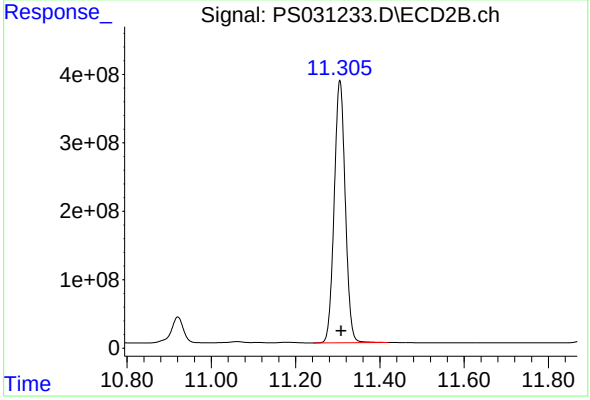
#13 2,4-DB

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



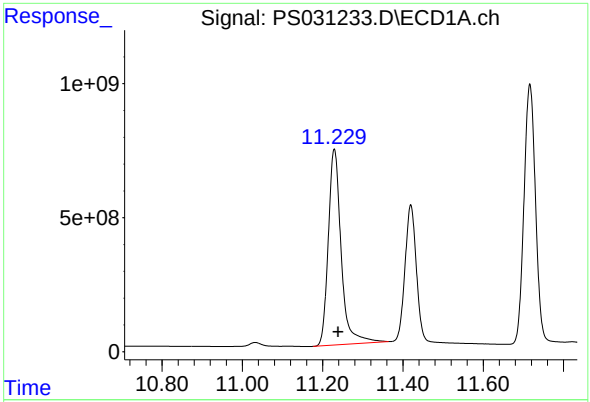
#14 DINOSEB

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



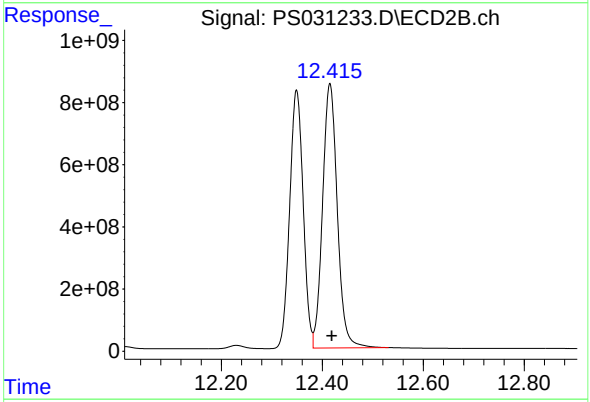
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

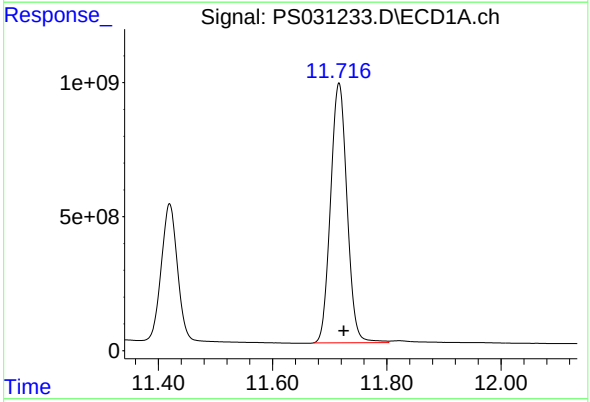
Manual Integrations APPROVED

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



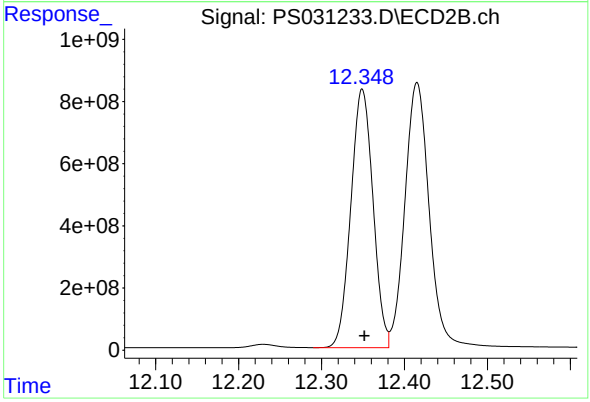
#15 Picloram

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

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2558

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

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/11/2025 07/11/2025

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	07/11/2025	15:35	PS031005.D	7.33	0.00
HSTDICC200	HSTDICC200	07/11/2025	16:00	PS031006.D	7.33	0.00
HSTDICC500	HSTDICC500	07/11/2025	16:24	PS031007.D	7.33	0.00
HSTDICC750	HSTDICC750	07/11/2025	16:48	PS031008.D	7.33	0.00
HSTDICC1000	HSTDICC1000	07/11/2025	17:12	PS031009.D	7.33	0.00
HSTDICC1500	HSTDICC1500	07/11/2025	17:36	PS031010.D	7.33	0.00
I.BLK	I.BLK	07/17/2025	09:14	PS031088.D	7.33	0.00
HSTDCCC750	HSTDCCC750	07/17/2025	10:04	PS031089.D	7.33	0.00
OU4-TS-Denali-070925	Q2558-01	07/17/2025	12:10	PS031090.D	7.33	0.00
I.BLK	I.BLK	07/17/2025	16:40	PS031099.D	7.33	0.00
HSTDCCC750	HSTDCCC750	07/17/2025	17:04	PS031100.D	7.33	0.00
PB168872BL	PB168872BL	07/17/2025	17:28	PS031101.D	7.33	0.00
OU4-TS-Grillo-OG-070925	Q2558-03	07/17/2025	19:13	PS031105.D	7.33	0.00
I.BLK	I.BLK	07/17/2025	20:49	PS031109.D	7.33	0.00
HSTDCCC750	HSTDCCC750	07/17/2025	21:13	PS031110.D	7.33	0.00
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	14:38	PS031191.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	15:03	PS031192.D	7.32	0.00
PB168872BS	PB168872BS	07/23/2025	16:25	PS031195.D	7.32	0.00
I.BLK	I.BLK	07/23/2025	18:50	PS031201.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	19:14	PS031202.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-Denali-070925MS	Q2558-01MS	07/24/2025	15:02	PS031226.D	7.32	0.00
OU4-TS-Denali-070925MSD	Q2558-01MSD	07/24/2025	15:26	PS031227.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

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2558

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

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/11/2025 07/11/2025

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	07/11/2025	15:35	PS031005.D	7.77	0.00
HSTDICC200	HSTDICC200	07/11/2025	16:00	PS031006.D	7.77	0.00
HSTDICC500	HSTDICC500	07/11/2025	16:24	PS031007.D	7.77	0.00
HSTDICC750	HSTDICC750	07/11/2025	16:48	PS031008.D	7.77	0.00
HSTDICC1000	HSTDICC1000	07/11/2025	17:12	PS031009.D	7.77	0.00
HSTDICC1500	HSTDICC1500	07/11/2025	17:36	PS031010.D	7.77	0.00
I.BLK	I.BLK	07/17/2025	09:14	PS031088.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/17/2025	10:04	PS031089.D	7.77	0.00
OU4-TS-Denali-070925	Q2558-01	07/17/2025	12:10	PS031090.D	7.76	0.00
I.BLK	I.BLK	07/17/2025	16:40	PS031099.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/17/2025	17:04	PS031100.D	7.77	0.00
PB168872BL	PB168872BL	07/17/2025	17:28	PS031101.D	7.77	0.00
OU4-TS-Grillo-OG-070925	Q2558-03	07/17/2025	19:13	PS031105.D	7.77	0.00
I.BLK	I.BLK	07/17/2025	20:49	PS031109.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/17/2025	21:13	PS031110.D	7.77	0.00
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	14:38	PS031191.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	15:03	PS031192.D	7.76	0.00
PB168872BS	PB168872BS	07/23/2025	16:25	PS031195.D	7.76	0.00
I.BLK	I.BLK	07/23/2025	18:50	PS031201.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	19:14	PS031202.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-Denali-070925MS	Q2558-01MS	07/24/2025	15:02	PS031226.D	7.76	0.00
OU4-TS-Denali-070925MSD	Q2558-01MSD	07/24/2025	15:26	PS031227.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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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-Denali-070925MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

Lab Sample ID: Q2558-01MS **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
2,4,5-T	1	9.63	9.58	9.68	142	11.9
	2	10.35	10.30	10.40	126	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	137	6.8
	2	9.93	9.88	9.98	128	
2,4-D	1	8.45	8.40	8.50	160	12.6
	2	9.02	8.97	9.07	141	
2,4-DB	1	10.21	10.16	10.26	102	14.5
	2	10.92	10.87	10.97	118	
Dalapon	1	2.68	2.63	2.73	92.2	75.5
	2	2.70	2.65	2.75	204	
DICHLORPROP	1	8.22	8.17	8.27	133	3.8
	2	8.69	8.64	8.74	128	
Dinoseb	1	11.42	11.37	11.47	16.5	3.7
	2	11.30	11.25	11.35	15.9	
DICAMBA	1	7.51	7.46	7.56	121	1.7
	2	7.97	7.92	8.02	119	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-Denali-070925MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

Lab Sample ID: Q2558-01MSD **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	79.5	87
	2	2.70	2.65	2.75	202	
DICHLORPROP	1	8.22	8.17	8.27	133	2.3
	2	8.69	8.64	8.74	130	
2,4-D	1	8.45	8.40	8.50	156	13.7
	2	9.02	8.97	9.07	136	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	136	1.5
	2	9.93	9.88	9.98	134	
2,4,5-T	1	9.63	9.58	9.68	141	11.2
	2	10.35	10.30	10.40	126	
2,4-DB	1	10.21	10.16	10.26	100	15.7
	2	10.92	10.87	10.97	117	
Dinoseb	1	11.42	11.37	11.47	16.1	11.8
	2	11.31	11.26	11.36	14.3	
DICAMBA	1	7.51	7.46	7.56	120	0.8
	2	7.97	7.92	8.02	119	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168872BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2558

Lab Sample ID: PB168872BS **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
2,4,5-T	1	9.63	9.58	9.68	185	10.2
	2	10.35	10.30	10.40	167	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	174	4.7
	2	9.93	9.88	9.98	166	
2,4-D	1	8.45	8.40	8.50	234	35.2
	2	9.02	8.97	9.07	164	
2,4-DB	1	10.21	10.16	10.26	196	16.6
	2	10.92	10.87	10.97	166	
Dalapon	1	2.69	2.64	2.74	149	3.3
	2	2.70	2.65	2.75	154	
DICHLORPROP	1	8.22	8.17	8.27	167	2.4
	2	8.68	8.63	8.73	163	
Dinoseb	1	11.42	11.37	11.47	166	4.9
	2	11.31	11.26	11.36	158	
DICAMBA	1	7.51	7.46	7.56	167	1.2
	2	7.97	7.92	8.02	165	

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168872BL	SDG No.:	Q2558
Lab Sample ID:	PB168872BL	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
PS031101.D	1	07/16/25 08:25	07/17/25 17:28	PB168872

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	534		27 - 122		107%	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\PS071725\
Data File : PS031101.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 17:28
Operator : AR\AJ
Sample : PB168872BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168872BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 22:58:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.329	7.767	1873.7E6	553.4E6	473.751	534.137
	Target Compounds						

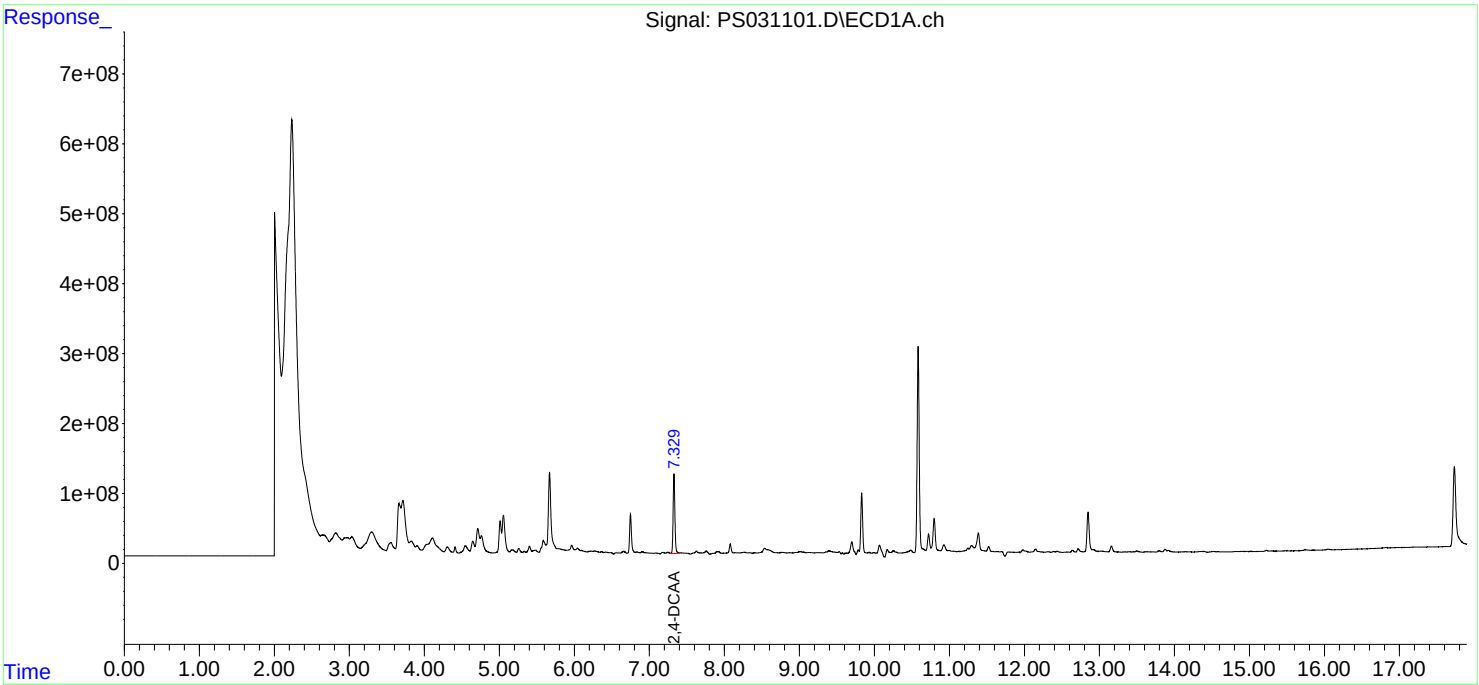
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

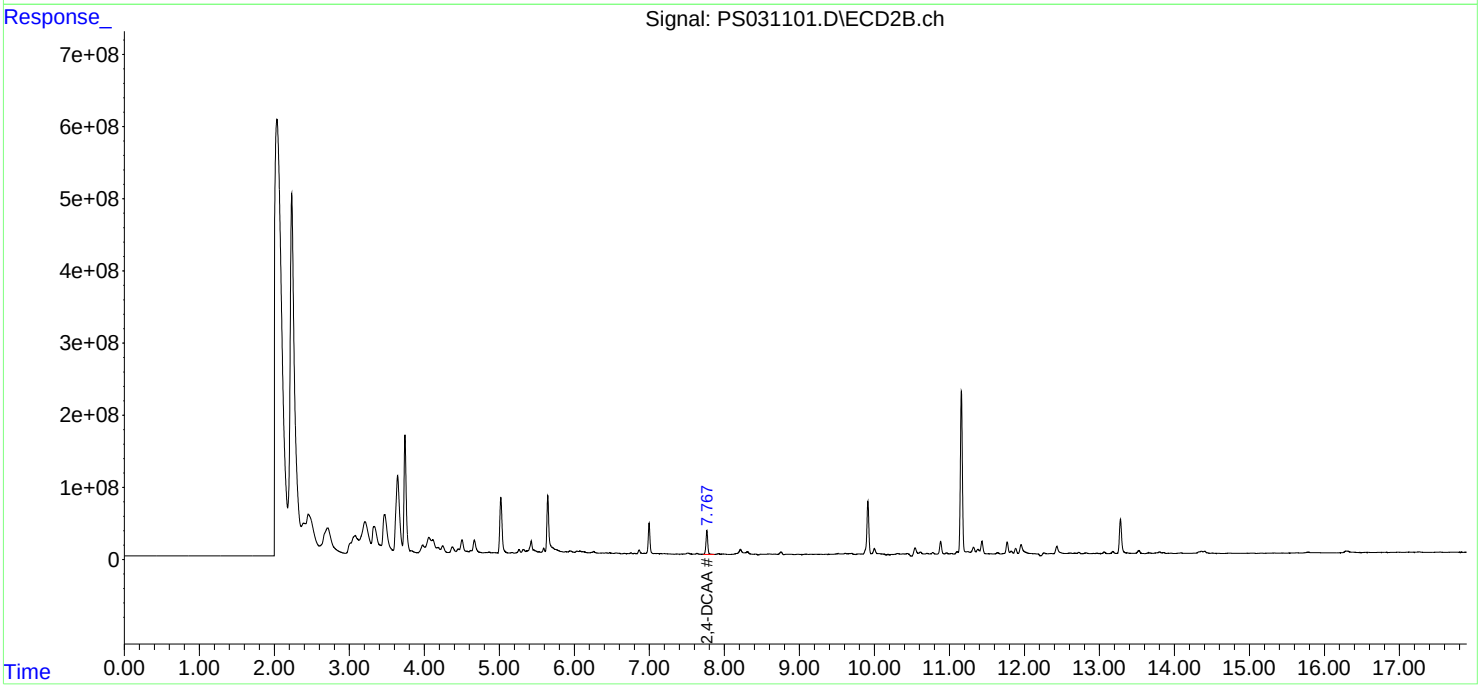
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031101.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 17:28
Operator : AR\AJ
Sample : PB168872BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

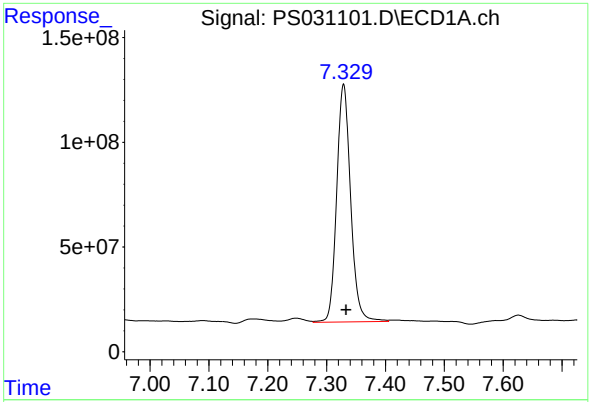
Instrument :
ECD_S
ClientSampleId :
PB168872BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 22:58:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



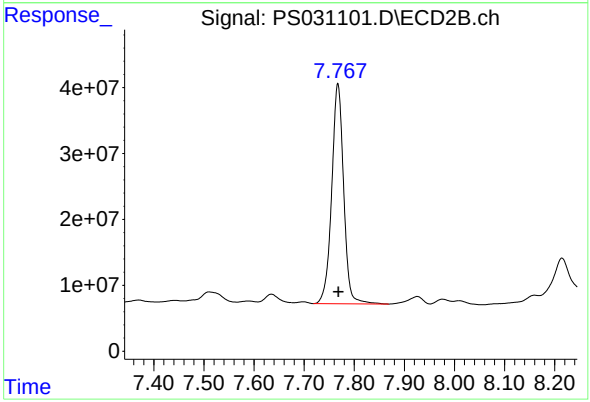




#4 2,4-DCAA

R.T.: 7.329 min
Delta R.T.: -0.004 min
Response: 1873722338
Conc: 473.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BL



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 553383312
Conc: 534.14 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/11/25
Project:	Raymark Superfund Site	Date Received:	07/11/25
Client Sample ID:	PIBLK-PS031005.D	SDG No.:	Q2558
Lab Sample ID:	I.BLK-PS031005.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
PS031005.D	1		07/11/25	PS071125

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	496		32 - 138		99%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 06:06:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.334	7.769	1407.9E6	514.1E6	355.977	496.200 #
	Target Compounds						

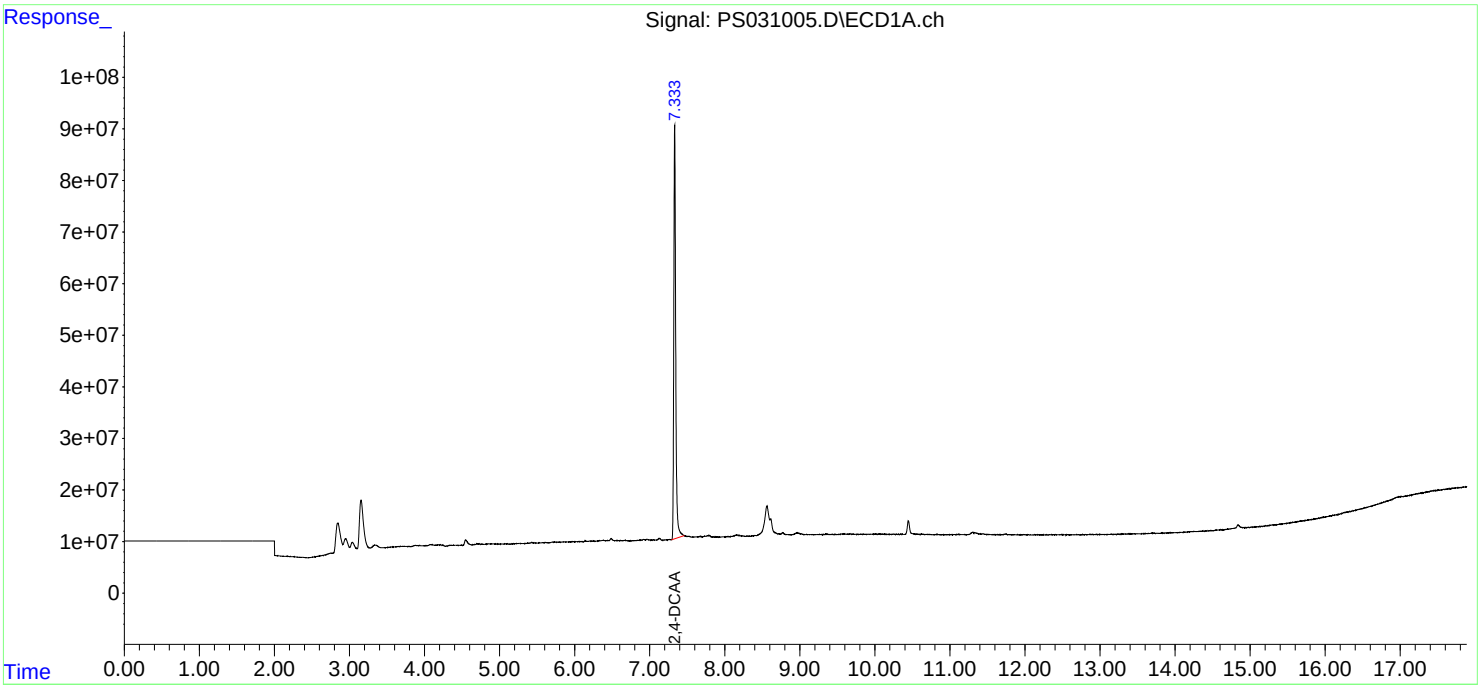
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

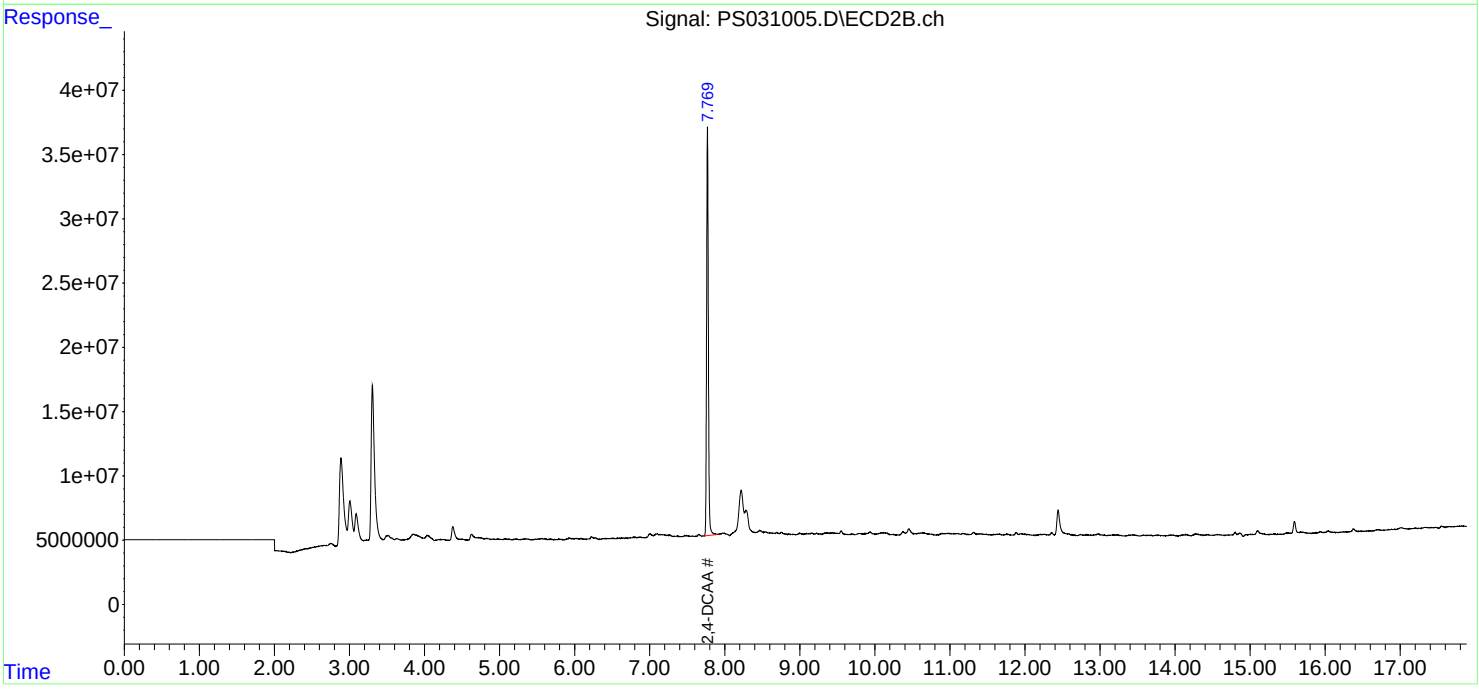
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

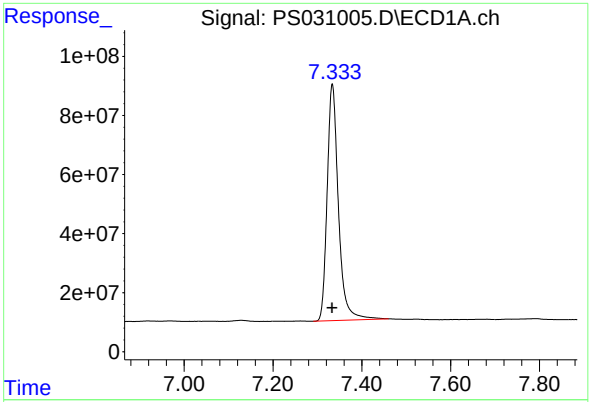
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 06:06:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



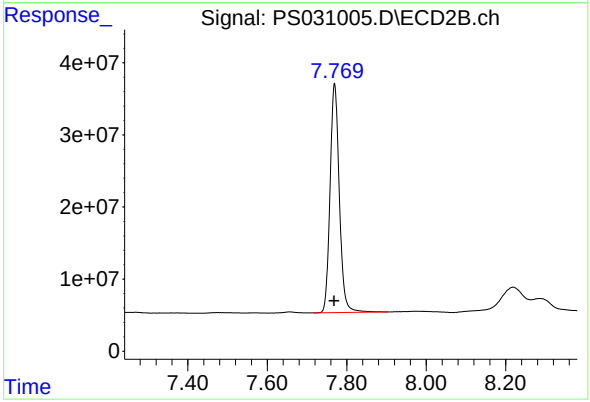




#4 2,4-DCAA

R.T.: 7.334 min
Delta R.T.: 0.000 min
Response: 1407915415
Conc: 355.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 514079654
Conc: 496.20 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/17/25
Client Sample ID:	PIBLK-PS031088.D	SDG No.:	Q2558
Lab Sample ID:	I.BLK-PS031088.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
PS031088.D	1		07/17/25	PS071725

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	495		32 - 138		99%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031088.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 09:14
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 17 12:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.328	7.768	1840.9E6	512.7E6	465.465	494.857
	Target Compounds						

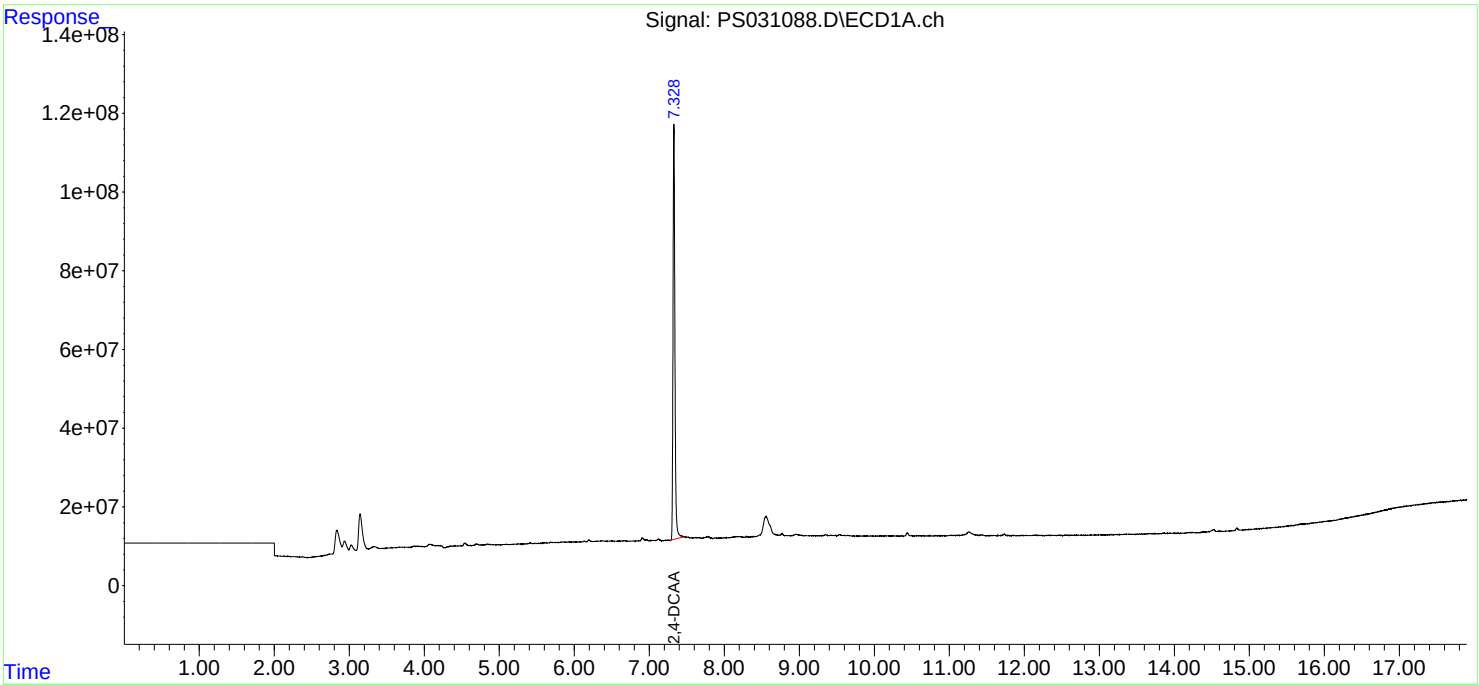
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

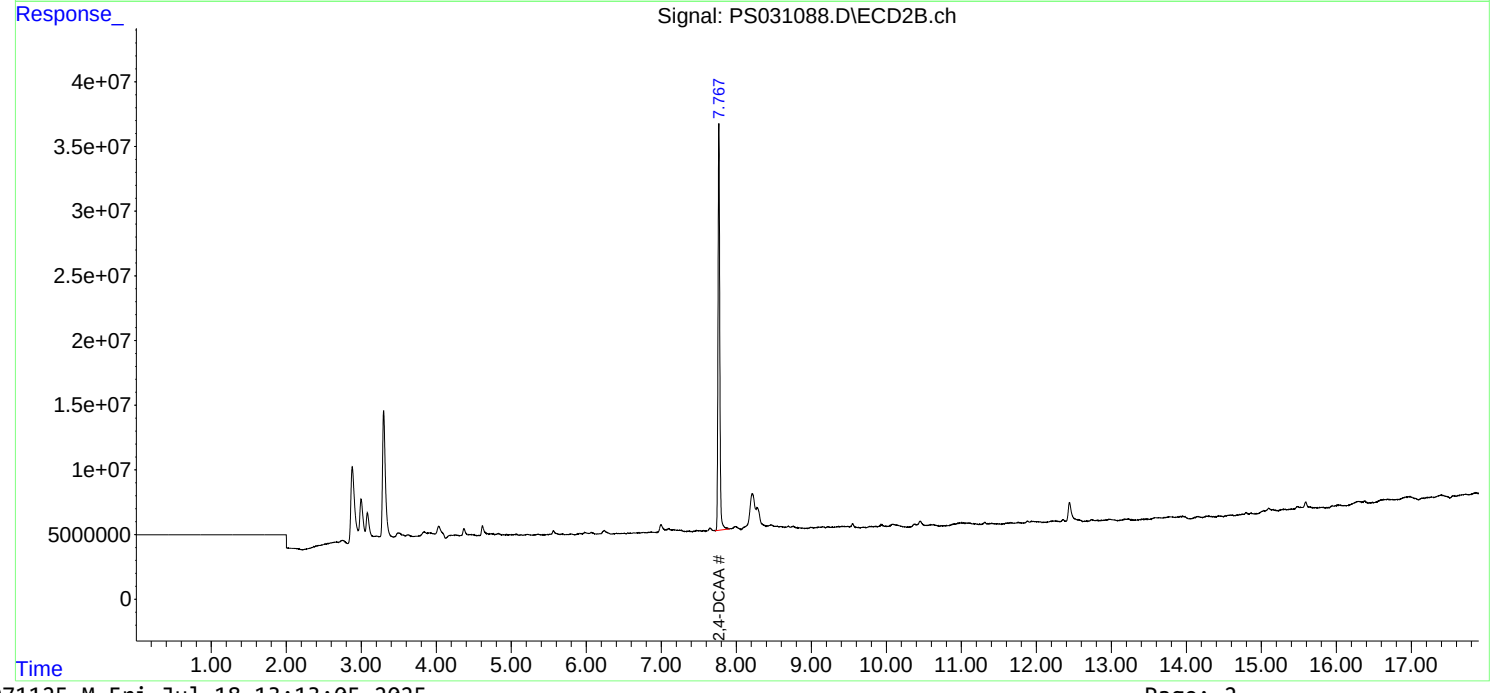
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031088.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 09:14
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

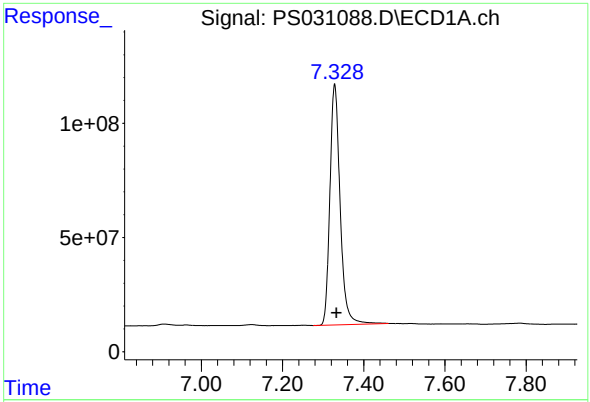
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 12:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



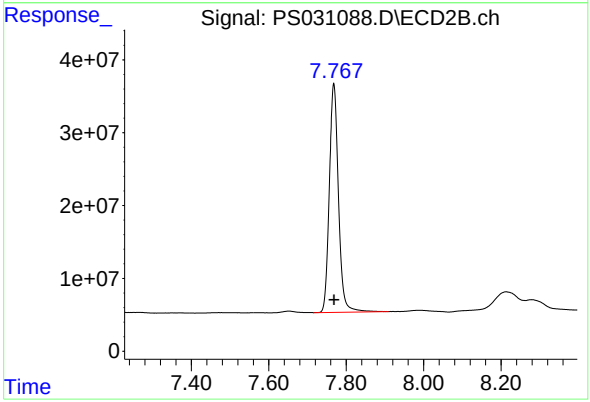




#4 2,4-DCAA

R.T.: 7.328 min
Delta R.T.: -0.005 min
Response: 1840948957
Conc: 465.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 512688434
Conc: 494.86 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/17/25
Client Sample ID:	PIBLK-PS031099.D	SDG No.:	Q2558
Lab Sample ID:	I.BLK-PS031099.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
PS031099.D	1		07/17/25	PS071725

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	490		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\PS071725\
Data File : PS031099.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 16:40
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 17 22:58:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.329	7.767	1833.2E6	508.1E6	463.494	490.408
	Target Compounds						

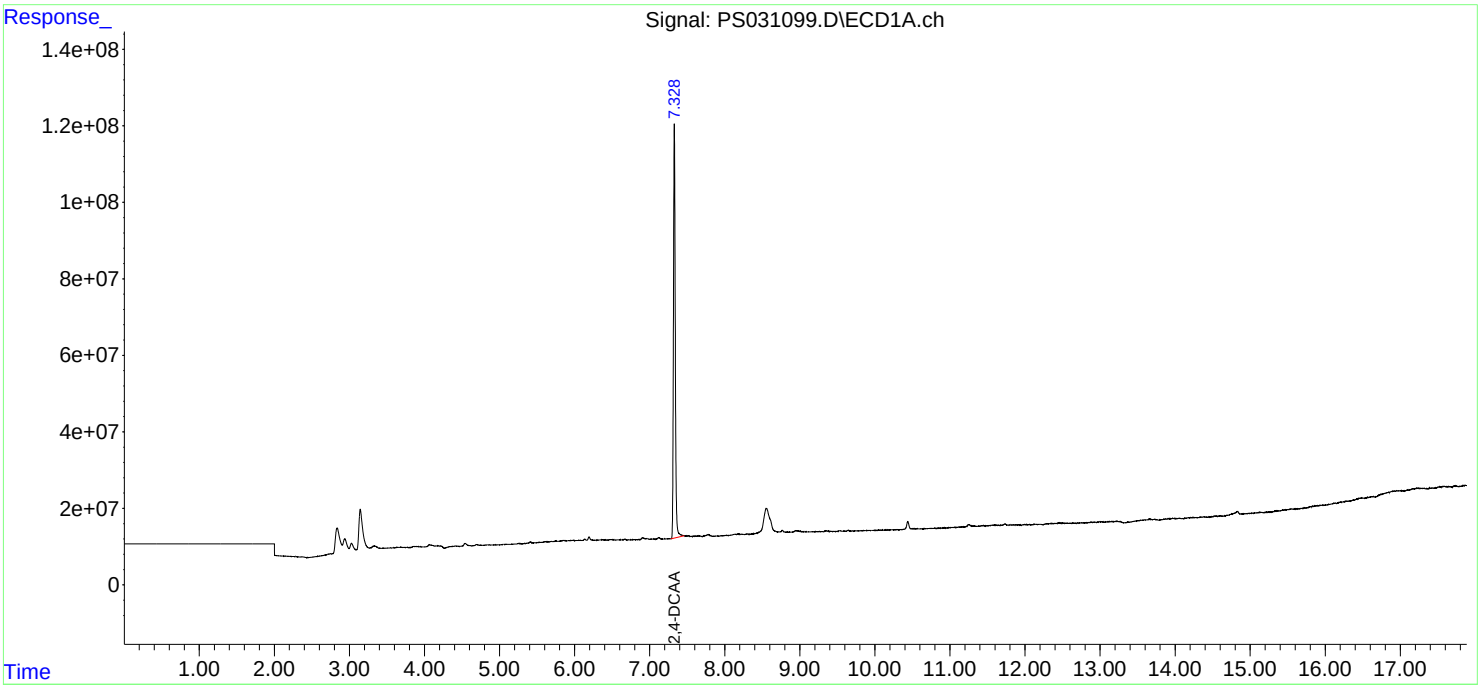
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

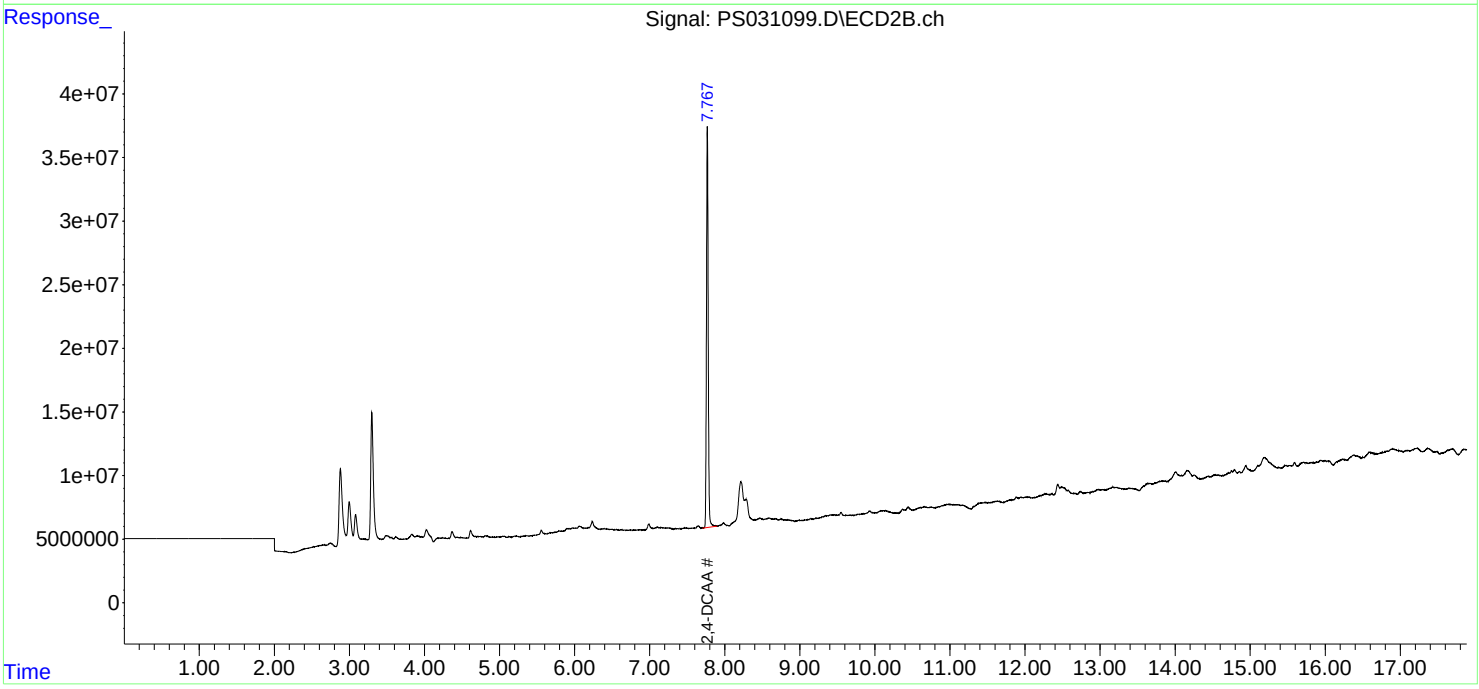
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031099.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 16:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

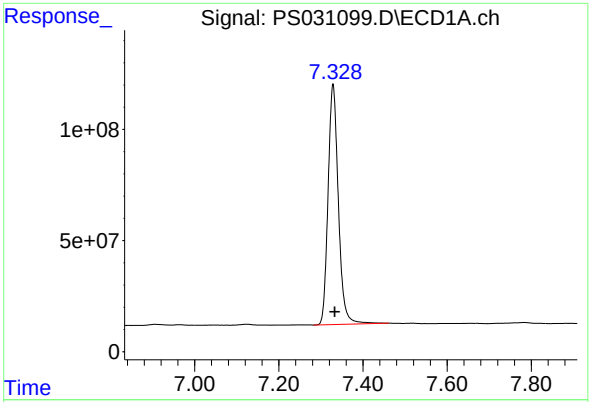
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 22:58:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



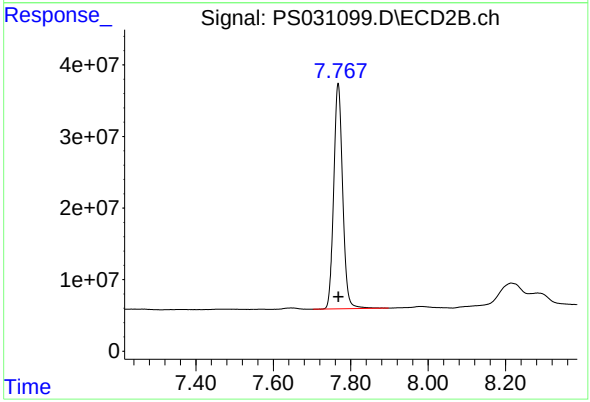




#4 2,4-DCAA

R.T.: 7.329 min
Delta R.T.: -0.004 min
Response: 1833153342
Conc: 463.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 508078828
Conc: 490.41 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/17/25
Client Sample ID:	PIBLK-PS031109.D	SDG No.:	Q2558
Lab Sample ID:	I.BLK-PS031109.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
PS031109.D	1		07/17/25	ps071725

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	494		32 - 138		99%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 20:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 23:04:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.329	7.768	1850.8E6	511.5E6	467.967	493.748
	Target Compounds						

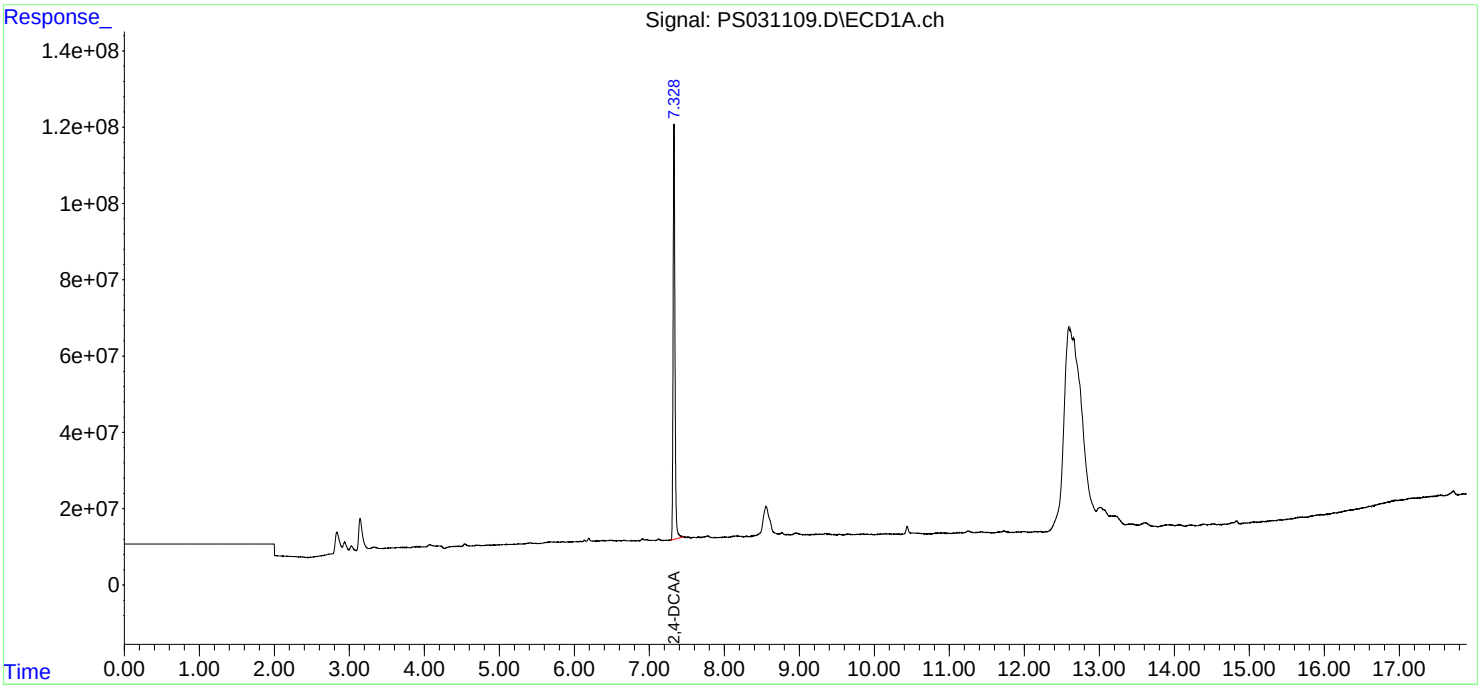
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

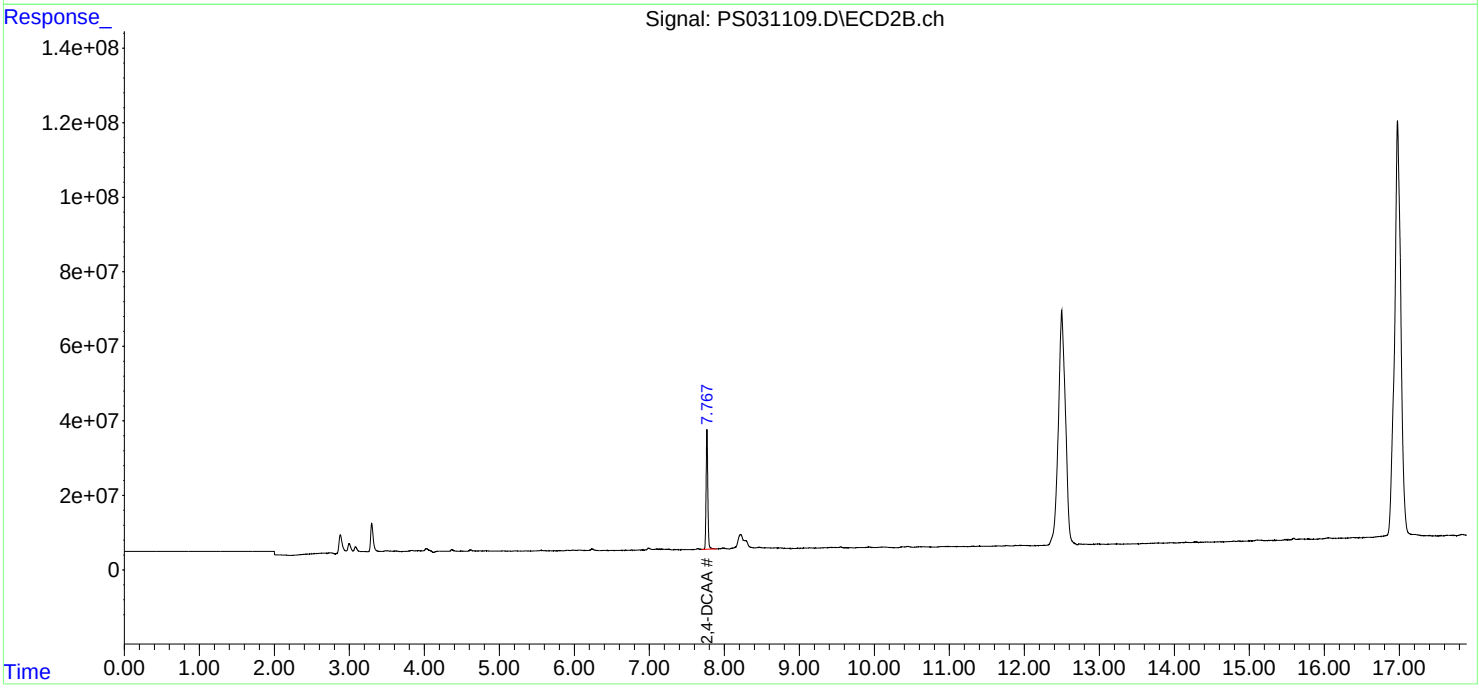
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 20:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

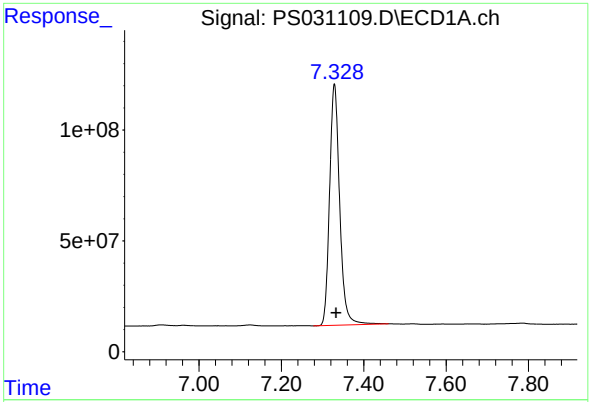
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 23:04:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



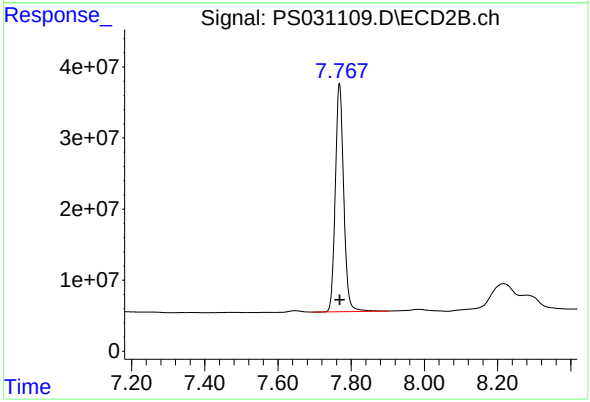




#4 2,4-DCAA

R.T.: 7.329 min
Delta R.T.: -0.004 min
Response: 1850843452
Conc: 467.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 511538961
Conc: 493.75 ng/ml

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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.:	Q2558
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						

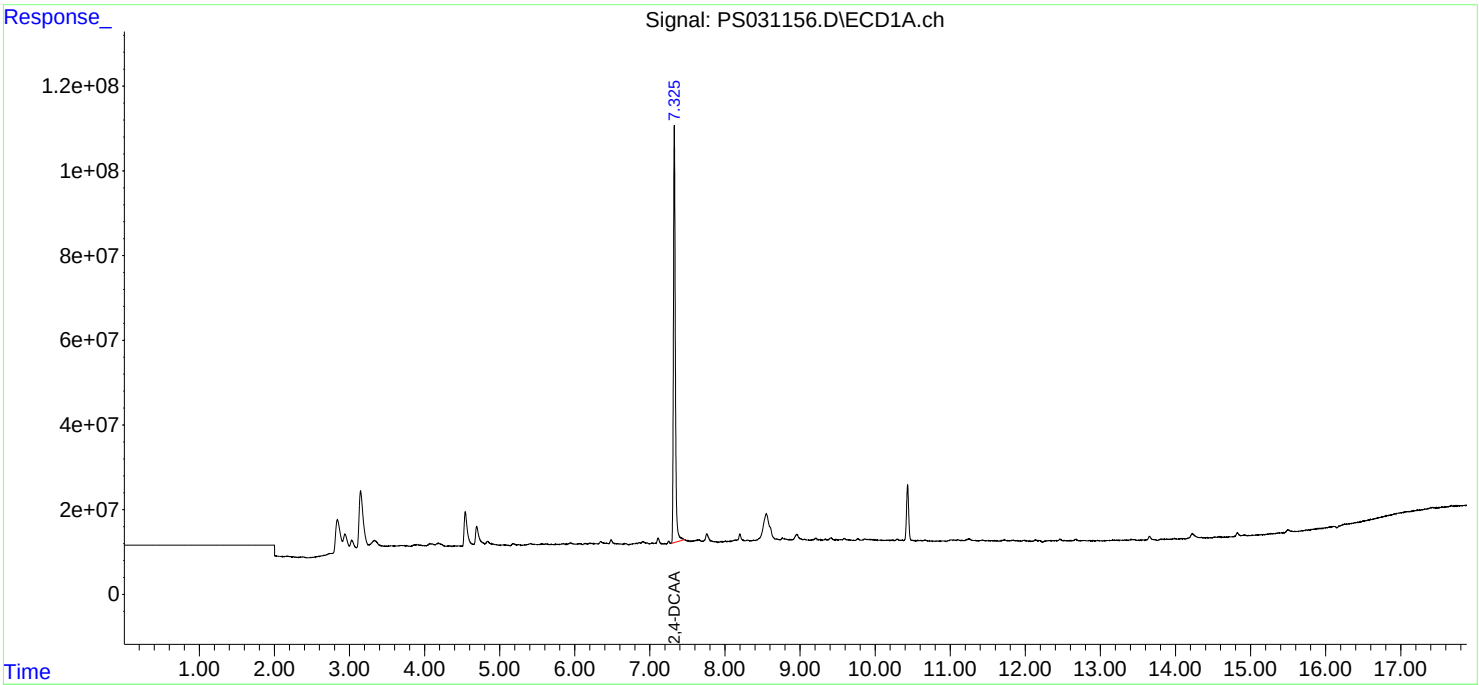
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

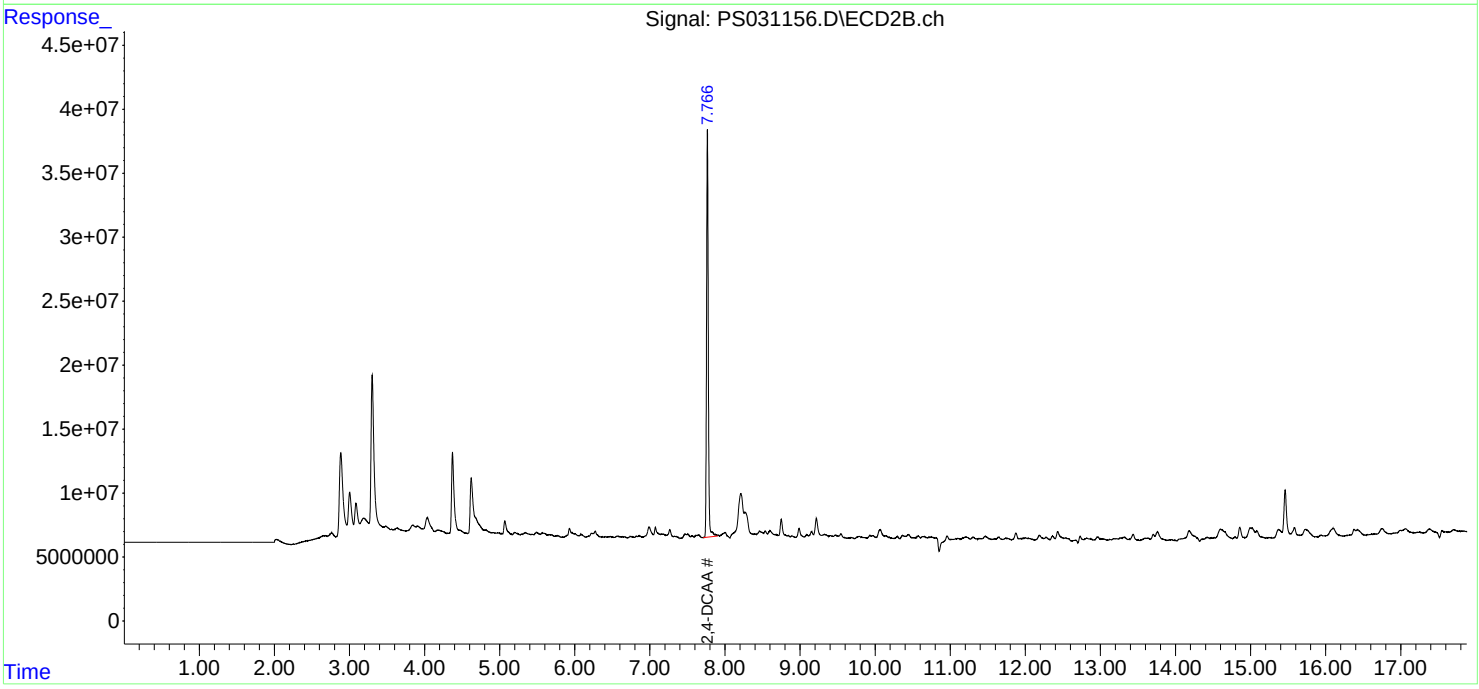
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031156.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

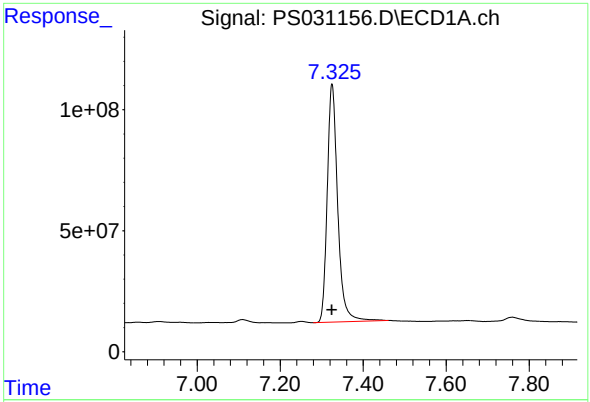
Instrument :
ECD_S
ClientSampleId :
I.BLK

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



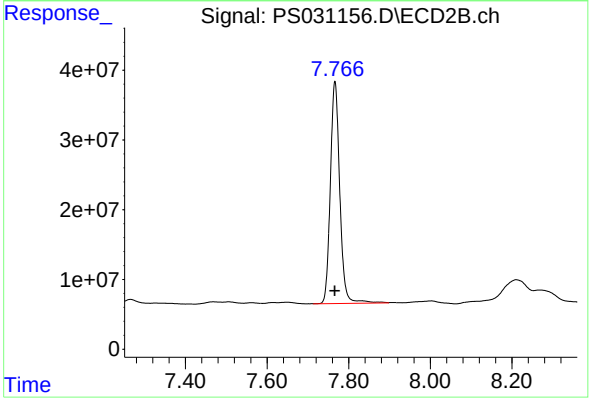




#4 2,4-DCAA

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

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.:	Q2558
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						

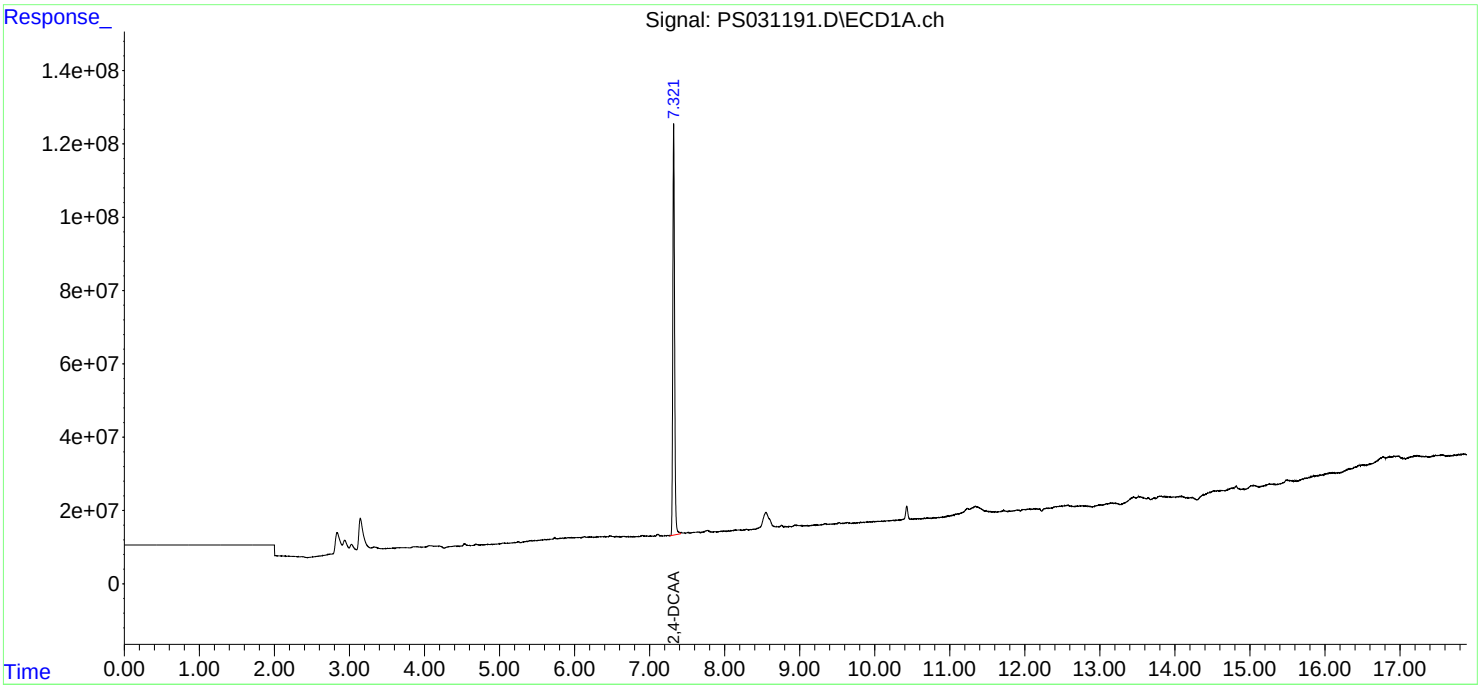
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

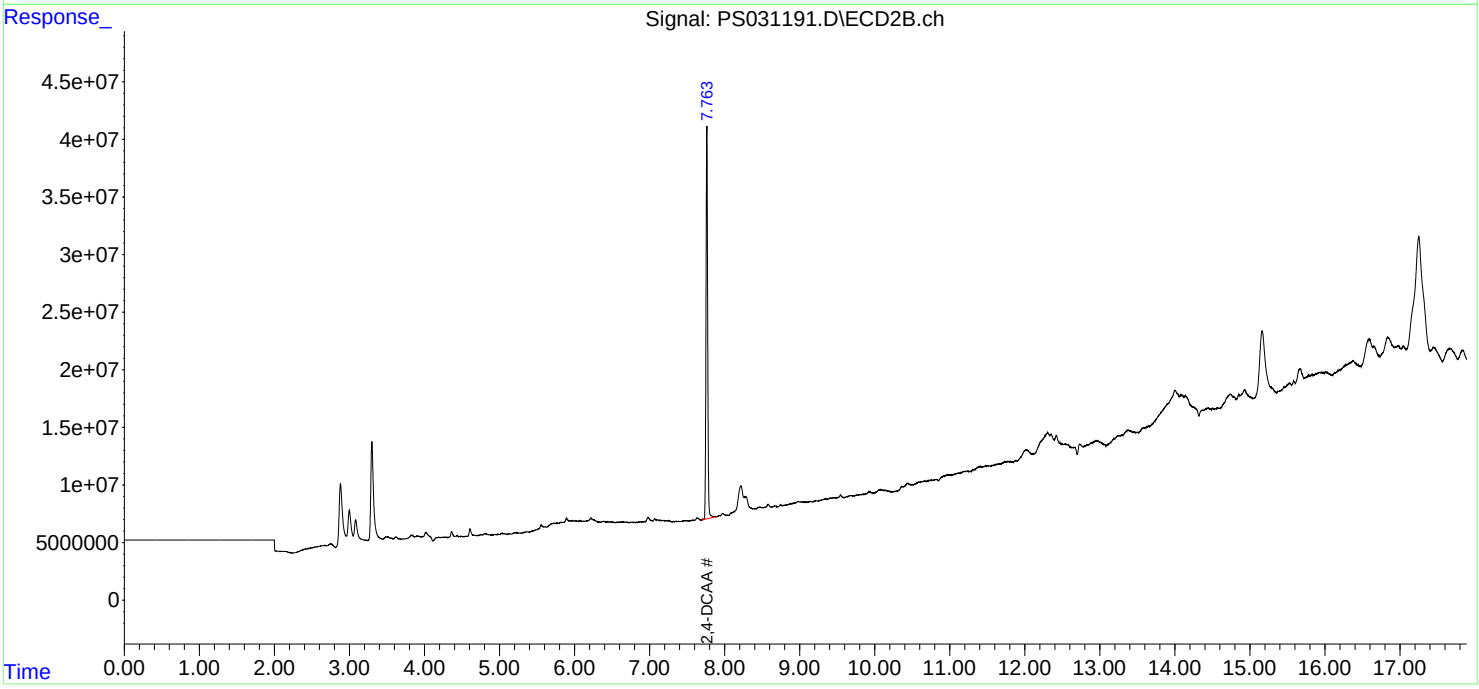
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

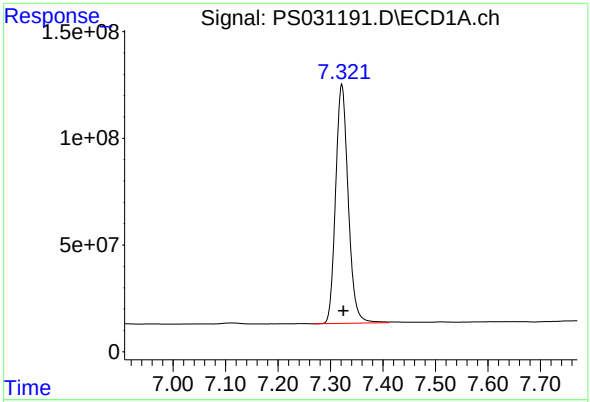
Instrument :
ECD_S
ClientSampleId :
I.BLK

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



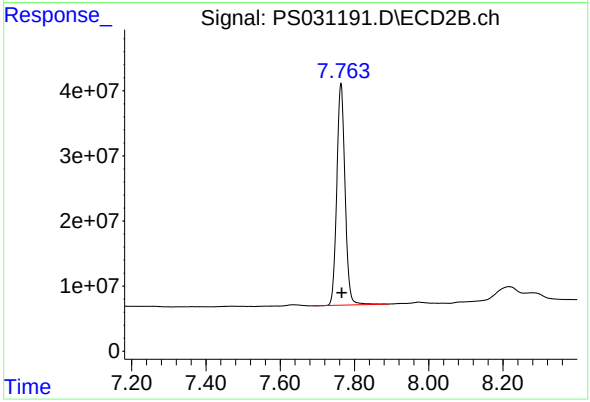




#4 2,4-DCAA

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

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-PS031201.D	SDG No.:	Q2558
Lab Sample ID:	I.BLK-PS031201.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
PS031201.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	526		32 - 138		105%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:50
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 01:23:34 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	7.321	7.764	1893.0E6	533.9E6	435.351	526.052
	Target Compounds						

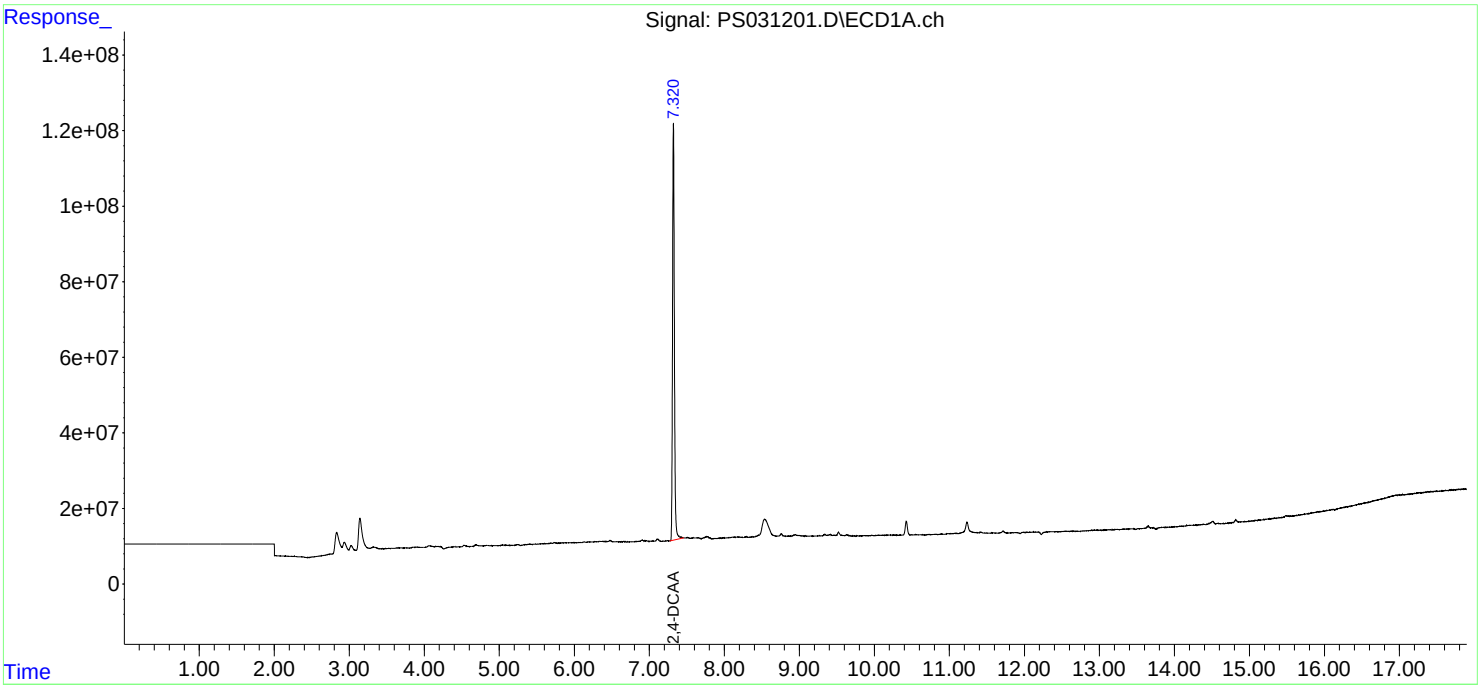
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

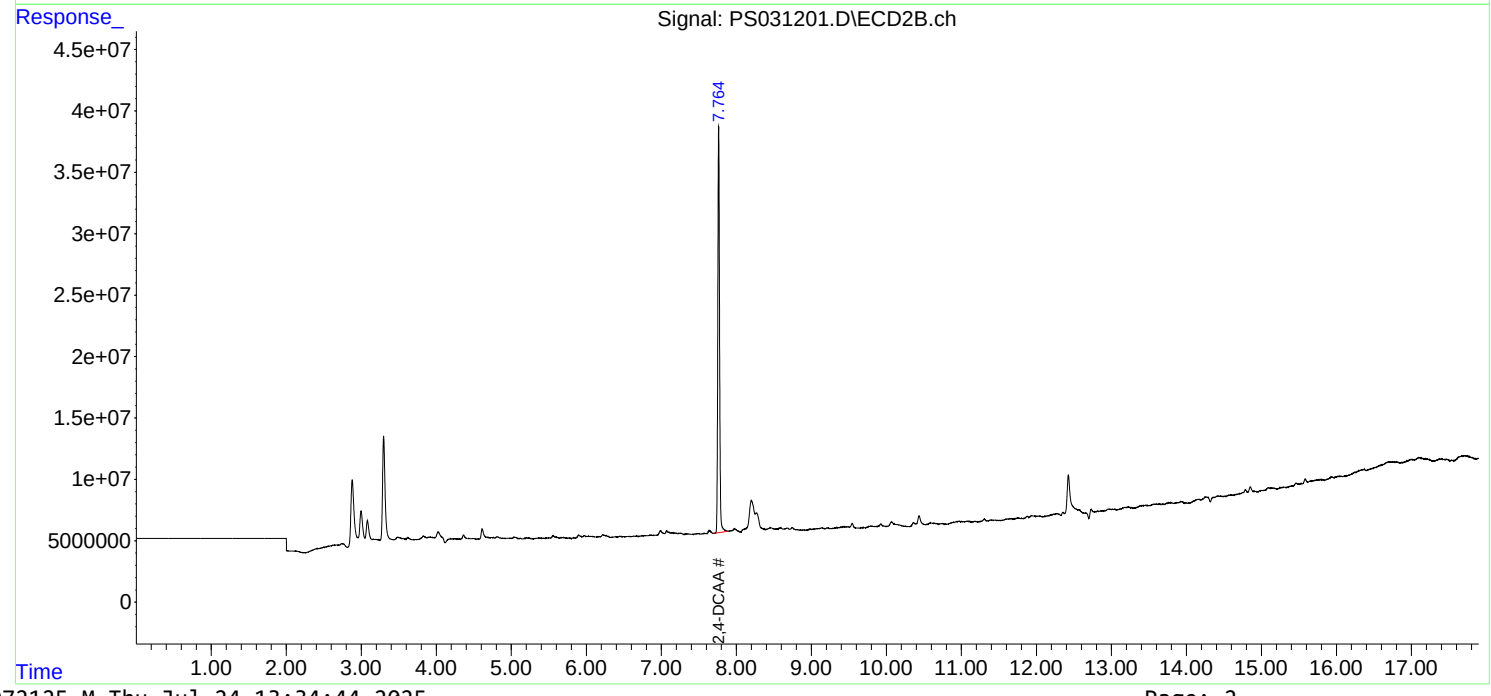
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

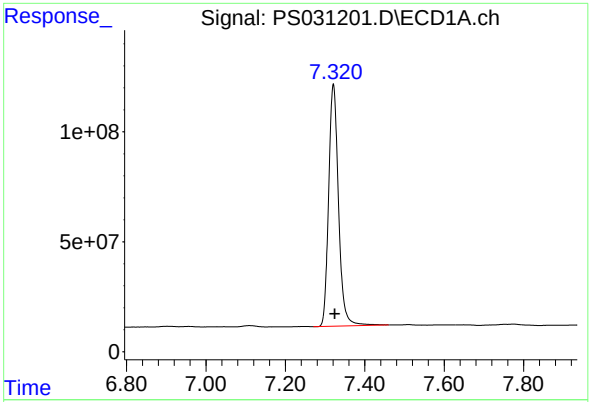
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:23:34 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



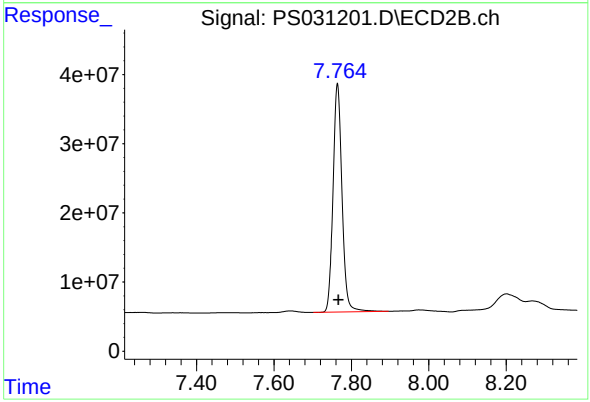




#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.004 min
Response: 1893017368
Conc: 435.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 533926012
Conc: 526.05 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/24/25
Project:	Raymark Superfund Site	Date Received:	07/24/25
Client Sample ID:	PIBLK-PS031221.D	SDG No.:	Q2558
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						

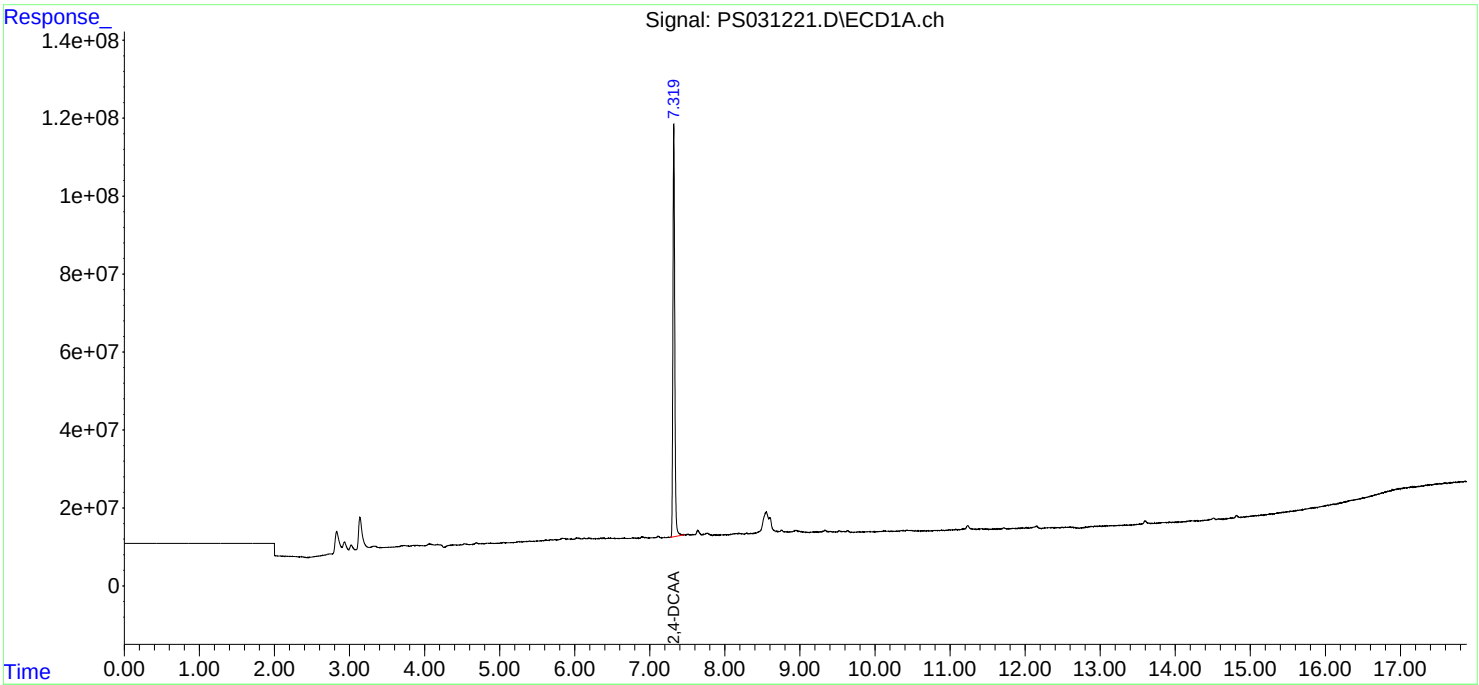
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

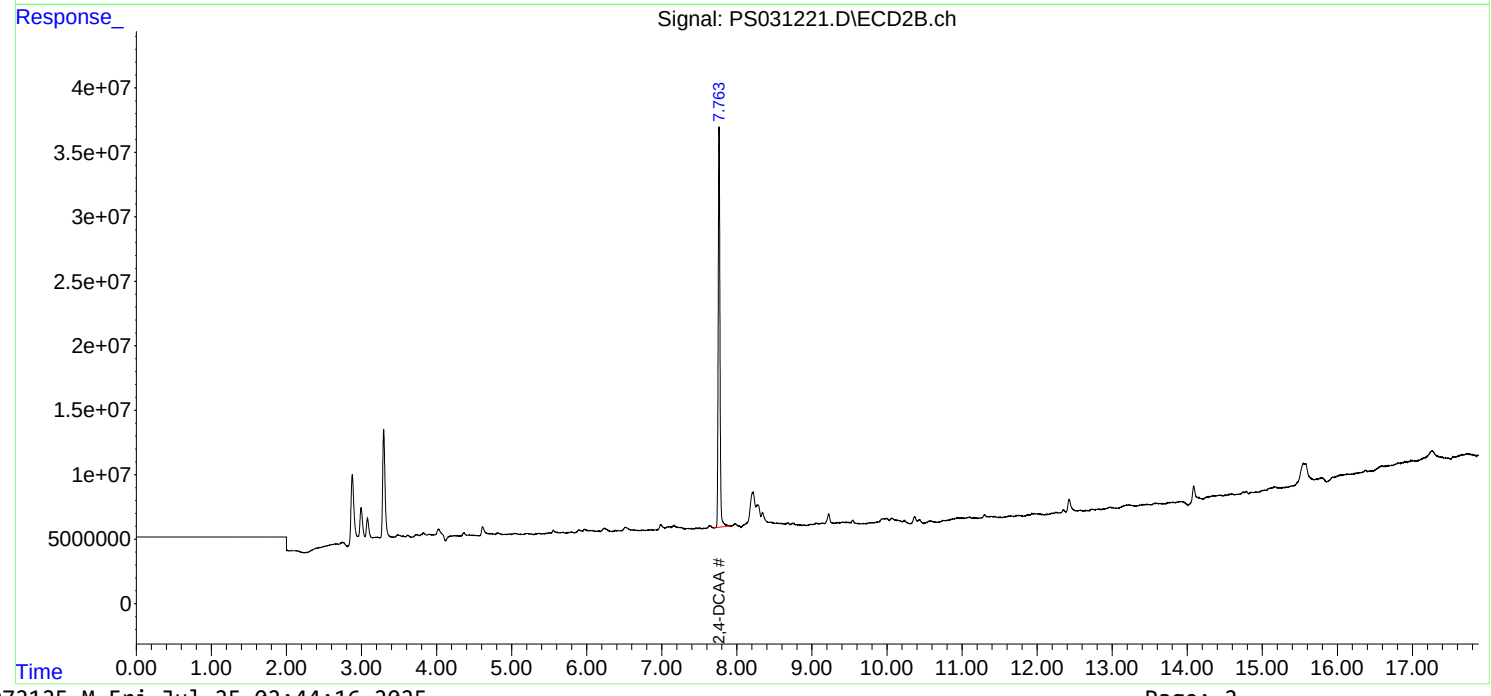
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031221.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 10:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

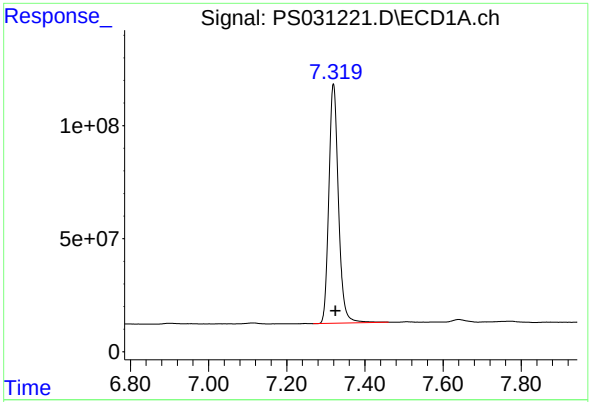
Instrument :
ECD_S
ClientSampleId :
I.BLK

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



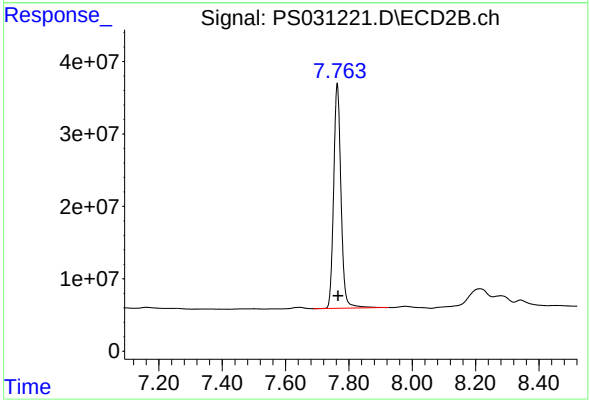




#4 2,4-DCAA

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

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.:	Q2558
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						

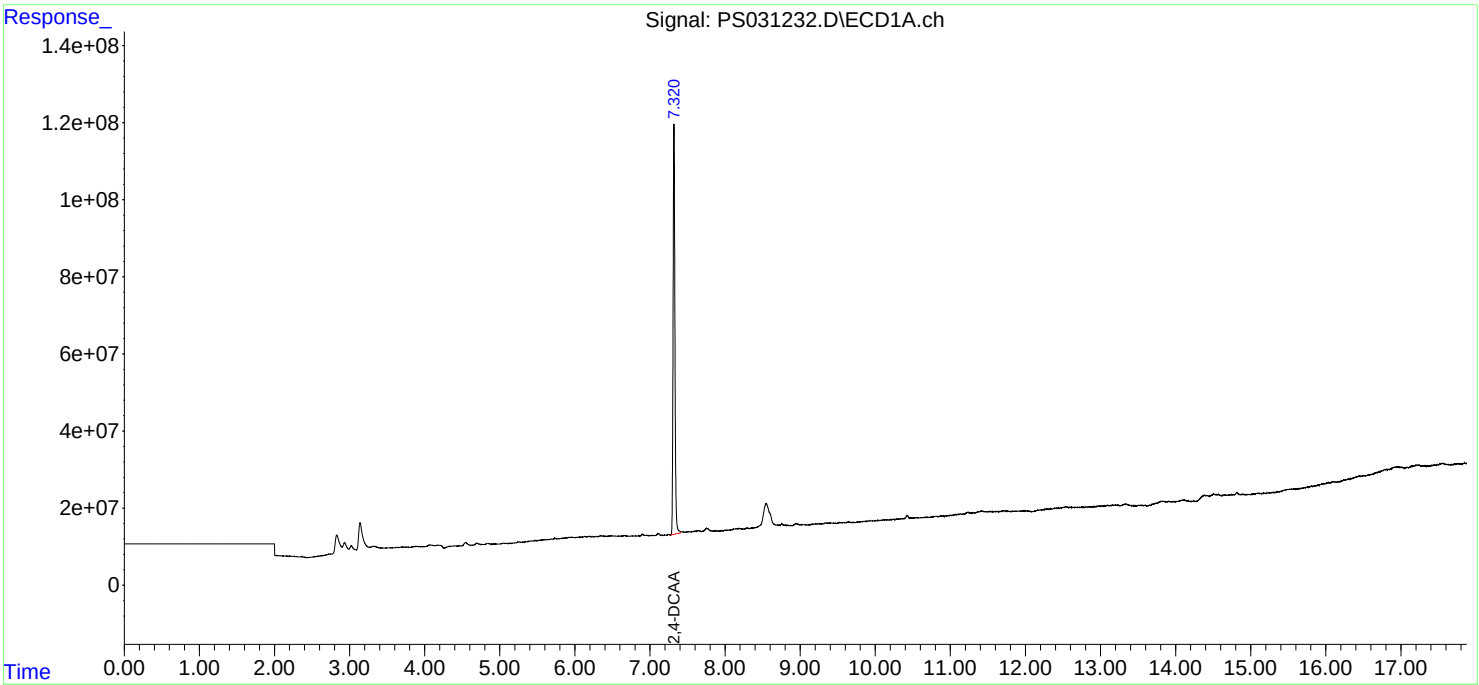
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

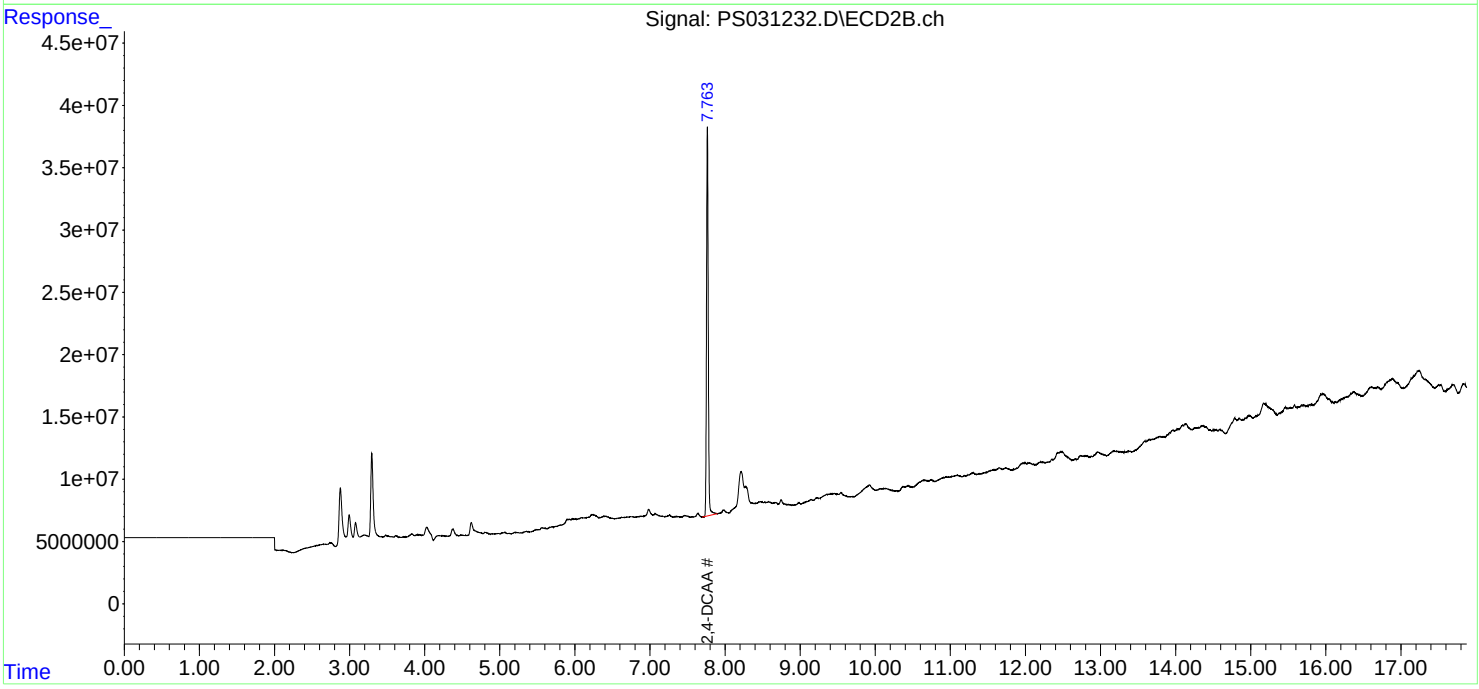
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

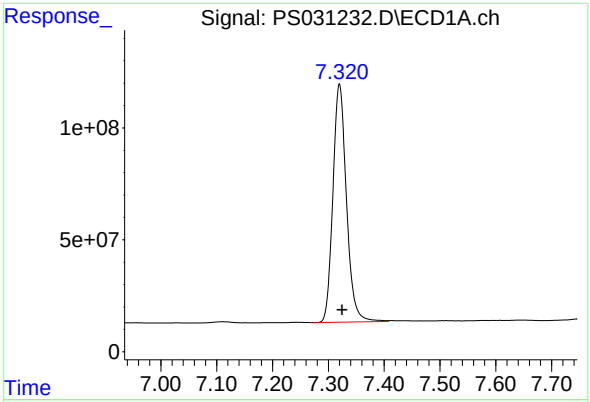
Instrument :
ECD_S
ClientSampleId :
I.BLK

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



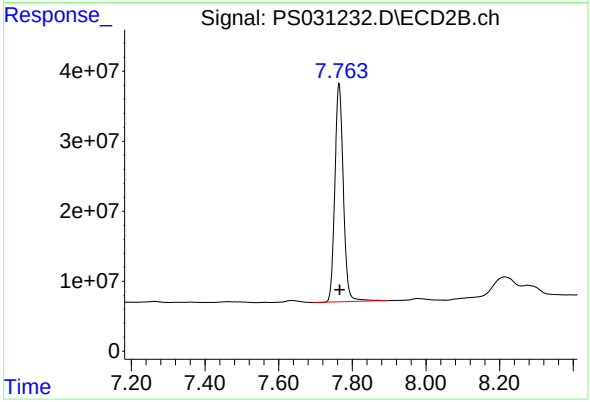




#4 2,4-DCAA

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

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:	PB168872BS	SDG No.:	Q2558
Lab Sample ID:	PB168872BS	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
PS031195.D	1	07/16/25 08:25	07/23/25 16:25	PB168872

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	0.17		0.013	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.23		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	0.19		0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.20		0.024	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.17		0.011	0.033	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	531		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 : PS031195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:25
Operator : AR\AJ
Sample : PB168872BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168872BS

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 01:20:40 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	2308.0E6	531.9E6	530.798	524.029m
	Target Compounds						
1) T	Dalapon	2.689	2.704	2796.8E6	1311.2E6	445.858	462.237
2) T	3,5-DICHL...	6.483	6.710	3021.2E6	741.5E6	547.038	481.547
3) T	4-Nitroph...	7.119	7.296	889.9E6	857.5E6	539.746	473.936
5) T	DICAMBA	7.509	7.965	8270.0E6	3200.3E6	501.303	495.915
6) T	MCPP	7.689	8.073	484.5E6	288.9E6	48.397	139.020 #
7) T	MCPA	7.839	8.312	609.9E6	138.1E6	48.740	43.781
8) T	DICHLORPROP	8.220	8.684	1915.2E6	739.5E6	501.114	488.149
9) T	2,4-D	8.452	9.021	2620.8E6	838.2E6	701.695	493.530 #
10) T	Pentachlo...	8.759	9.544	30316.5E6	20105.4E6	555.029	514.451
11) T	2,4,5-TP ...	9.337	9.925	11479.7E6	7415.1E6	522.909	497.852
12) T	2,4,5-T	9.631	10.352	10865.1E6	7142.9E6	556.393	502.334
13) T	2,4-DB	10.207	10.919	1759.4E6	584.4E6	588.452	499.243
14) T	DINOSEB	11.421	11.305	7770.2E6	5353.6E6	499.066m	473.680
15) T	Picloram	11.231	12.414	11634.7E6	12103.8E6	581.543	486.194
16) T	DCPA	11.719	12.349	14934.0E6	10586.8E6	520.466	459.576m

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

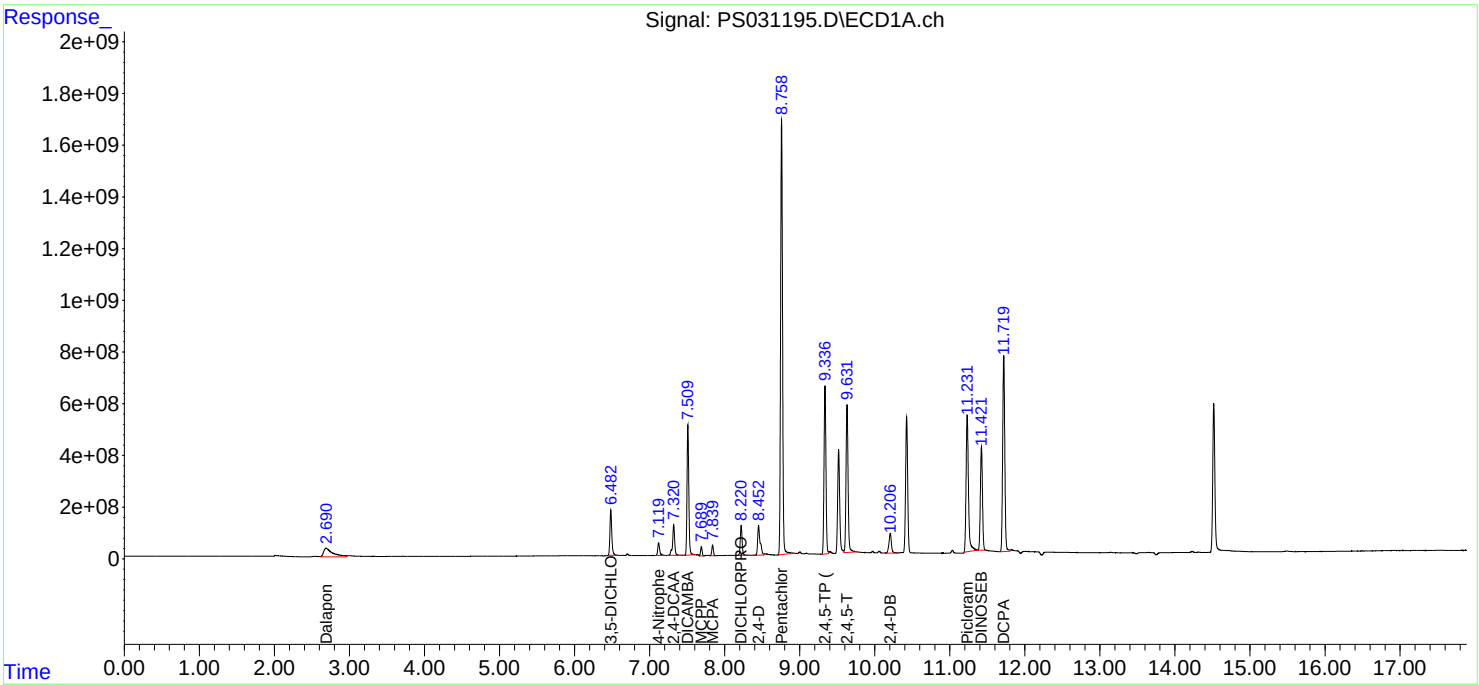
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:25
Operator : AR\AJ
Sample : PB168872BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

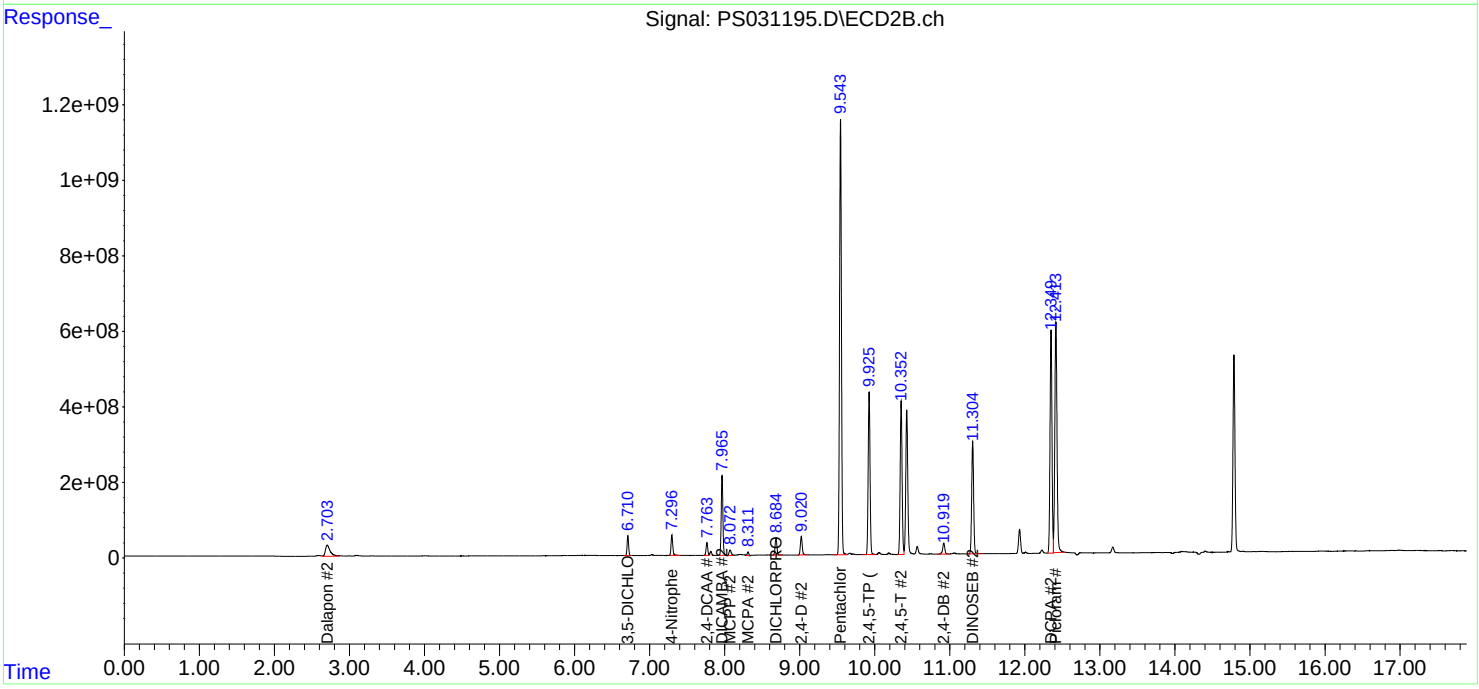
Instrument :
ECD_S
ClientSampleId :
PB168872BS

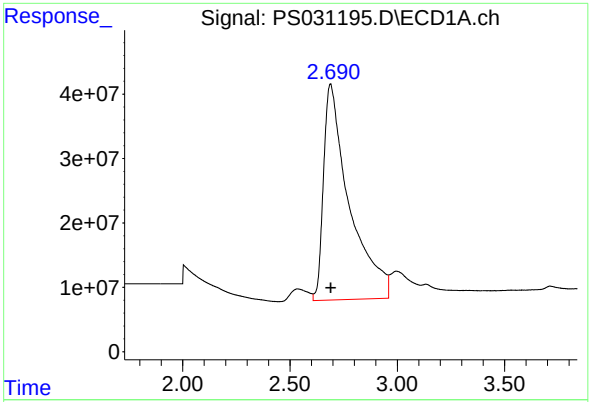
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:20:40 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







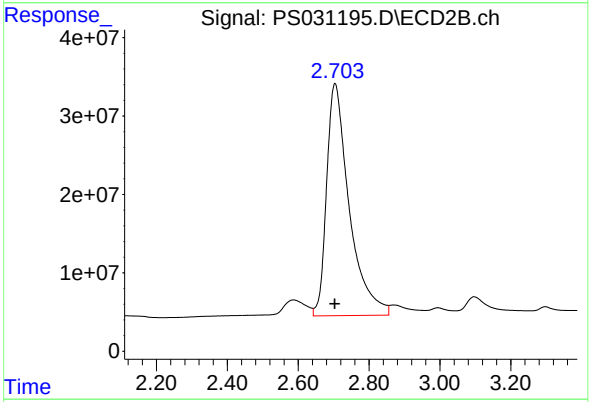
#1 Dalapon

R.T.: 2.689 min
Delta R.T.: -0.001 min
Response: 2796823263
Conc: 445.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS

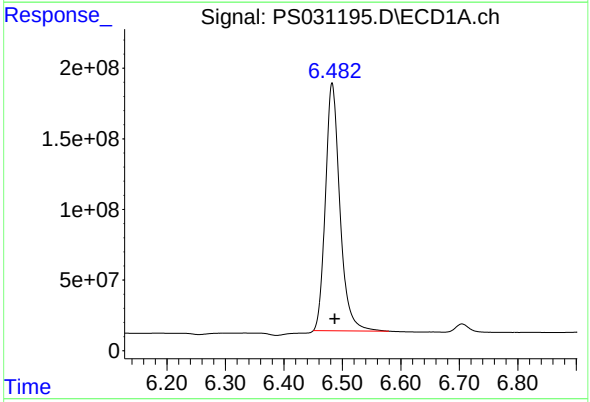
Manual Integrations APPROVED

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



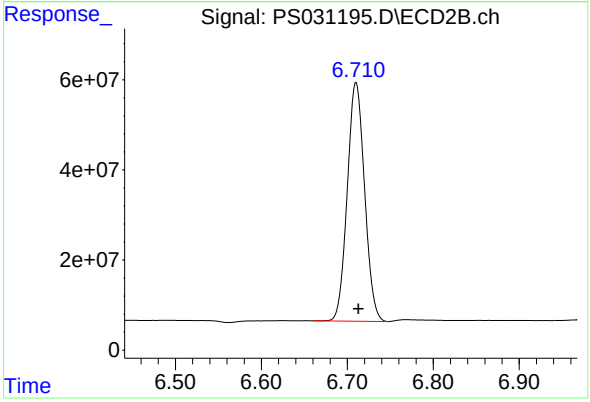
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1311244734
Conc: 462.24 ng/ml



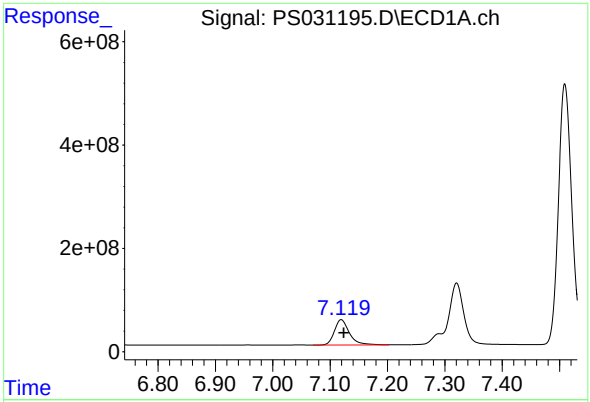
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 3021152701
Conc: 547.04 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.710 min
Delta R.T.: -0.003 min
Response: 741531355
Conc: 481.55 ng/ml



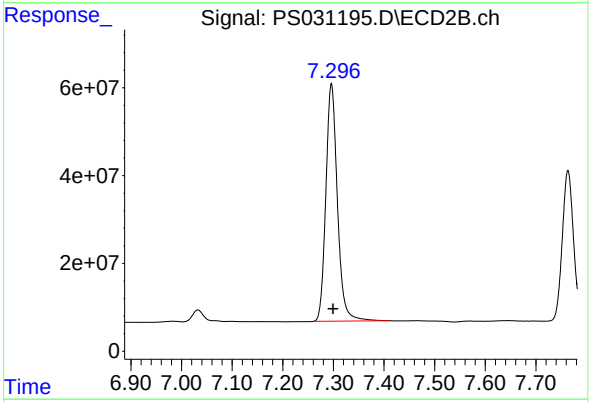
#3 4-Nitrophenol

R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 889924701
Conc: 539.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS

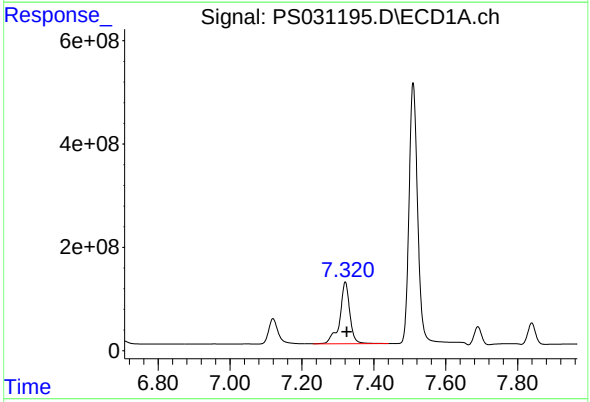
Manual Integrations APPROVED

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



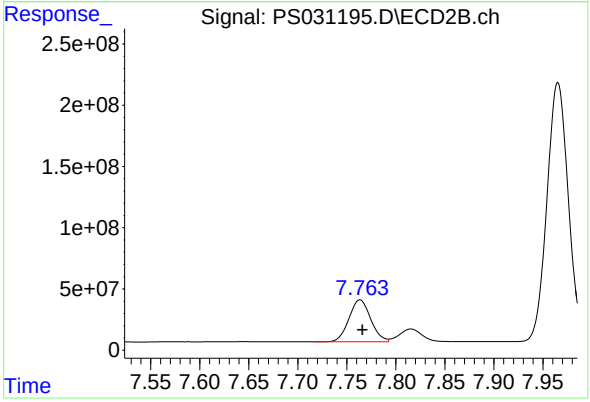
#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: -0.003 min
Response: 857500566
Conc: 473.94 ng/ml



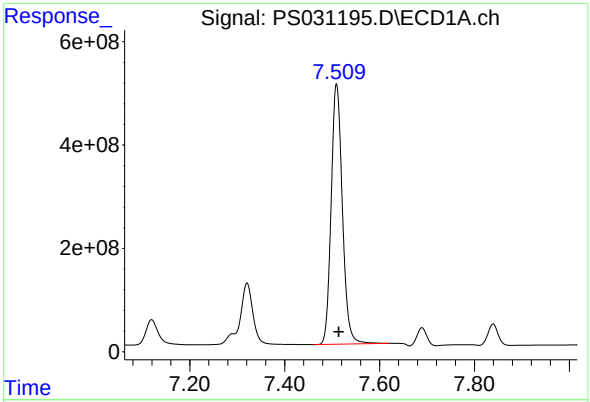
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.004 min
Response: 2308043598
Conc: 530.80 ng/ml



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 531872709
Conc: 524.03 ng/ml m



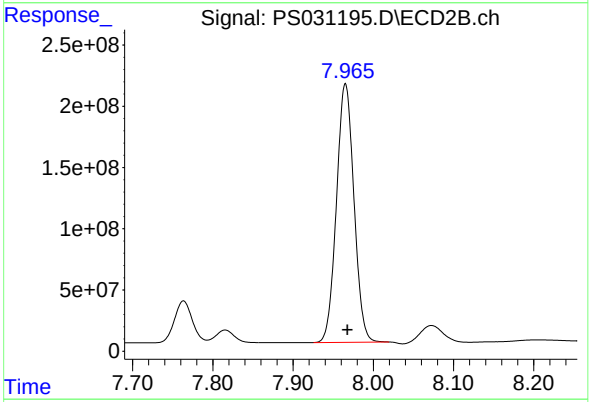
#5 DICAMBA

R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 8269977426
Conc: 501.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS

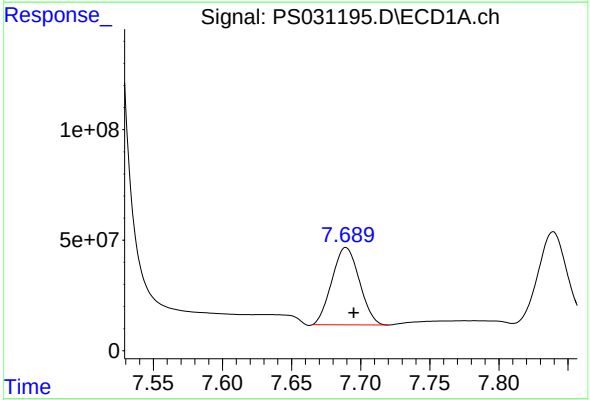
Manual Integrations APPROVED

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



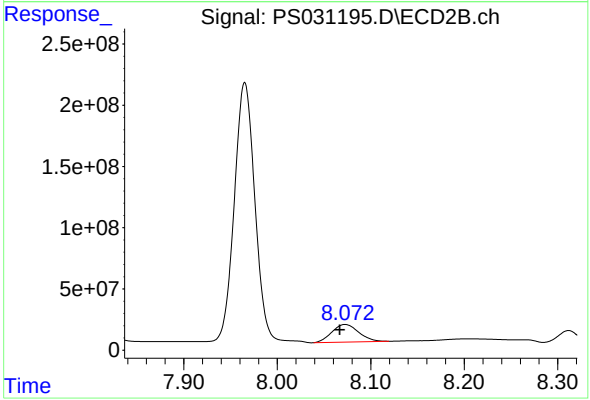
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: -0.003 min
Response: 3200325592
Conc: 495.92 ng/ml



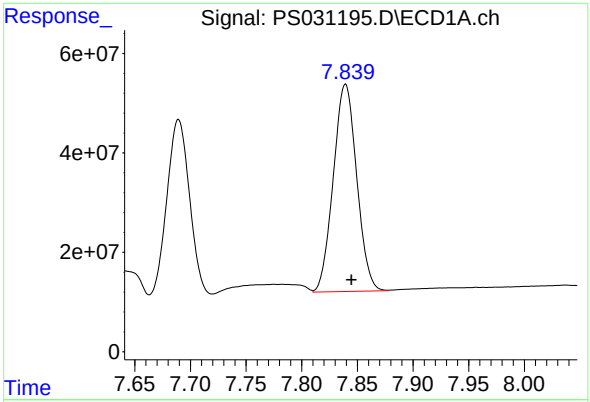
#6 MCPP

R.T.: 7.689 min
Delta R.T.: -0.006 min
Response: 484451539
Conc: 48.40 ug/ml



#6 MCPP

R.T.: 8.073 min
Delta R.T.: 0.006 min
Response: 288856063
Conc: 139.02 ug/ml



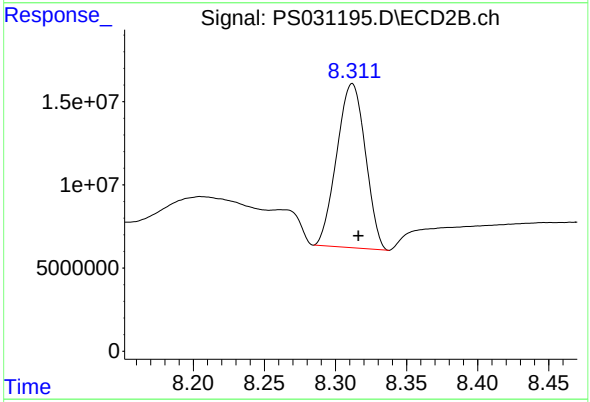
#7 MCPA

R.T.: 7.839 min
Delta R.T.: -0.005 min
Response: 609948490
Conc: 48.74 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS

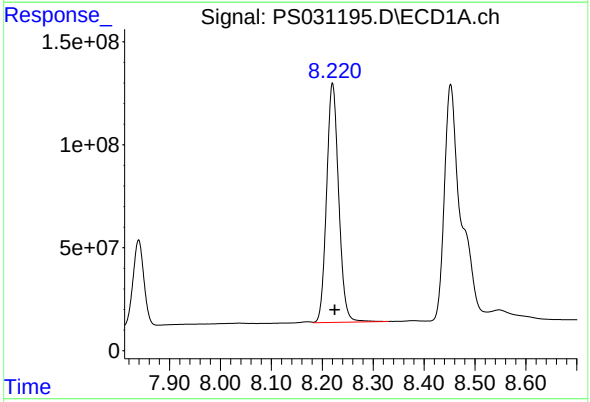
Manual Integrations APPROVED

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



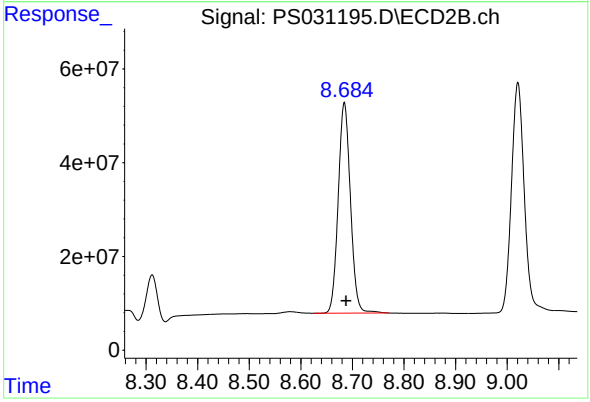
#7 MCPA

R.T.: 8.312 min
Delta R.T.: -0.004 min
Response: 138138117
Conc: 43.78 ug/ml



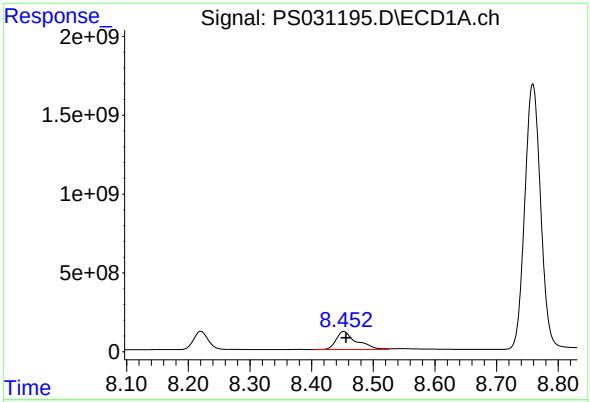
#8 DICHLORPROP

R.T.: 8.220 min
Delta R.T.: -0.004 min
Response: 1915236841
Conc: 501.11 ng/ml



#8 DICHLORPROP

R.T.: 8.684 min
Delta R.T.: -0.003 min
Response: 739477591
Conc: 488.15 ng/ml



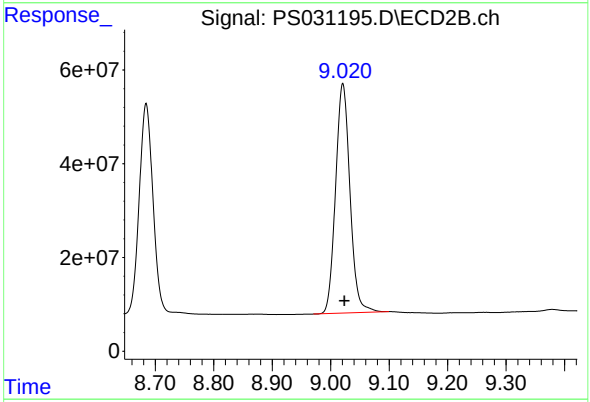
#9 2,4-D

R.T.: 8.452 min
Delta R.T.: -0.004 min
Response: 2620773936
Conc: 701.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS

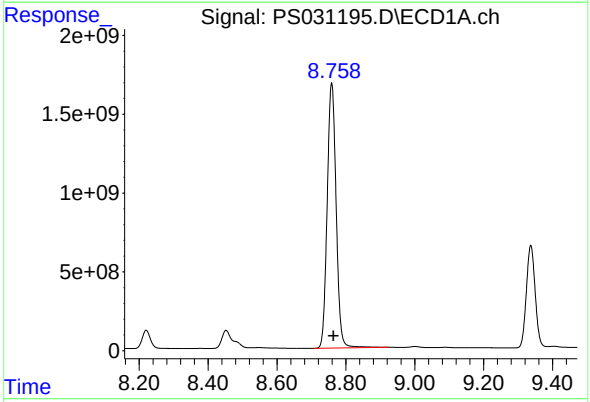
Manual Integrations APPROVED

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



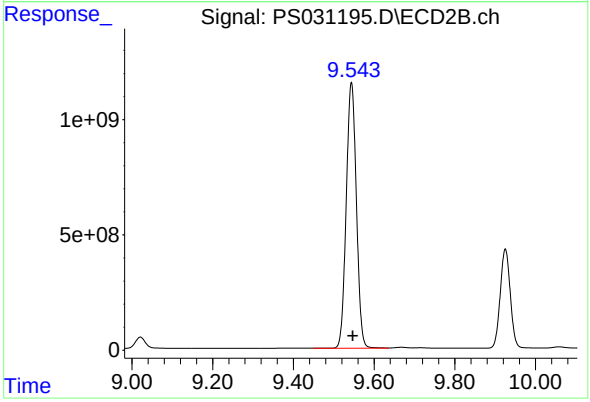
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 838171983
Conc: 493.53 ng/ml



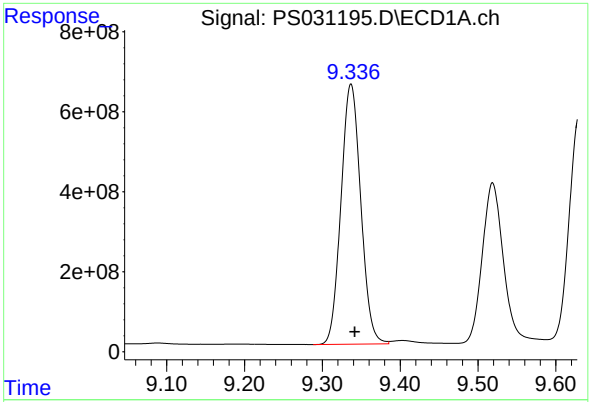
#10 Pentachlorophenol

R.T.: 8.759 min
Delta R.T.: -0.005 min
Response: 30316522696
Conc: 555.03 ng/ml



#10 Pentachlorophenol

R.T.: 9.544 min
Delta R.T.: -0.003 min
Response: 20105374457
Conc: 514.45 ng/ml



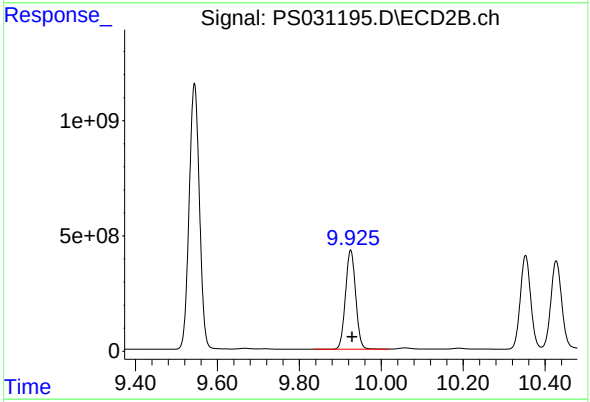
#11 2,4,5-TP (SILVEX)

R.T.: 9.337 min
Delta R.T.: -0.005 min
Response: 11479720274
Conc: 522.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS

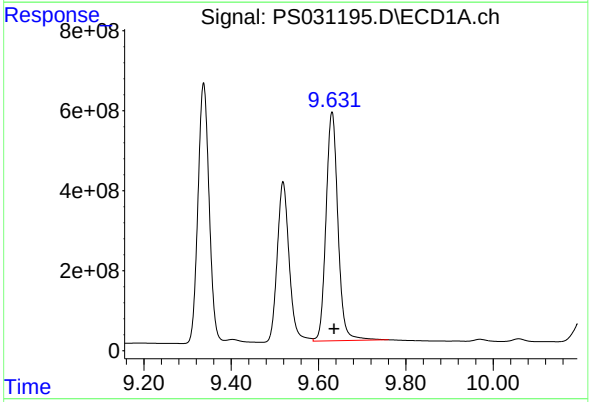
Manual Integrations
APPROVED

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



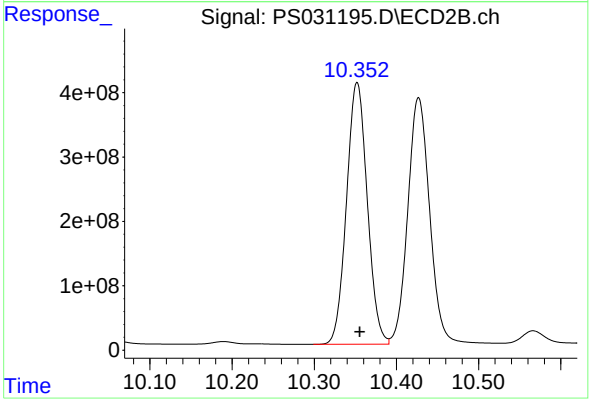
#11 2,4,5-TP (SILVEX)

R.T.: 9.925 min
Delta R.T.: -0.003 min
Response: 7415095459
Conc: 497.85 ng/ml



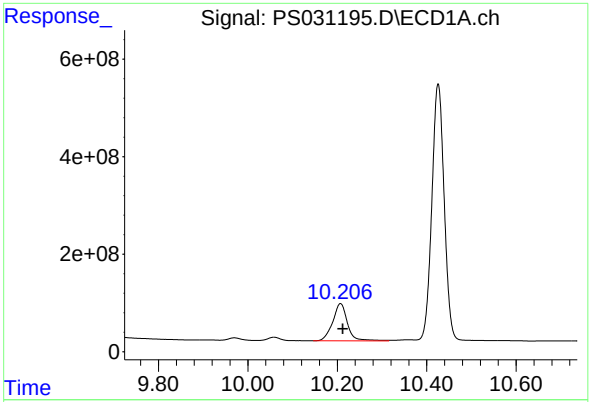
#12 2,4,5-T

R.T.: 9.631 min
Delta R.T.: -0.005 min
Response: 10865131316
Conc: 556.39 ng/ml



#12 2,4,5-T

R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 7142915512
Conc: 502.33 ng/ml



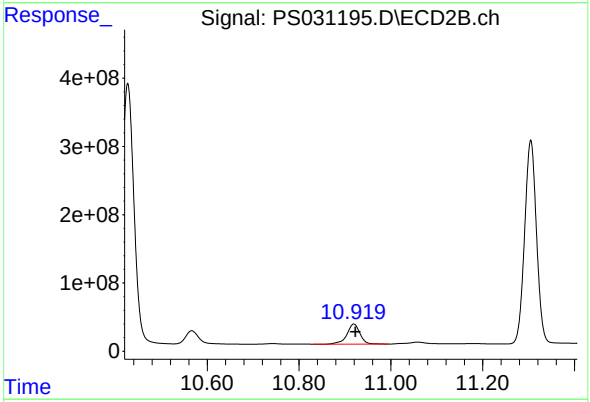
#13 2,4-DB

R.T.: 10.207 min
Delta R.T.: -0.005 min
Response: 1759401720
Conc: 588.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS

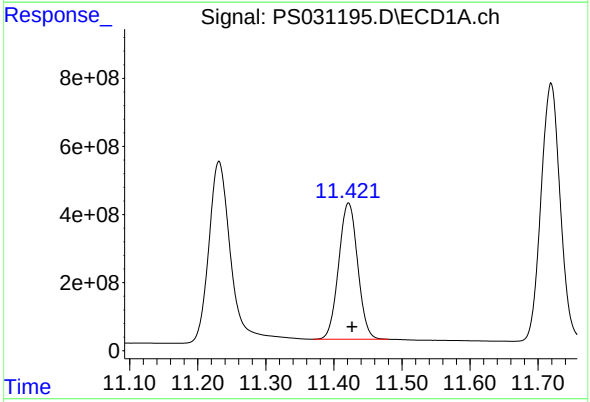
Manual Integrations APPROVED

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



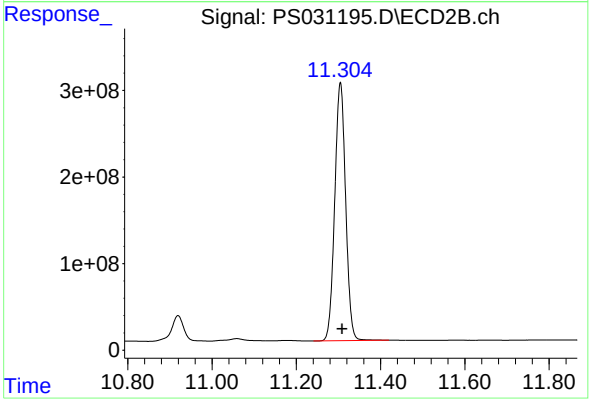
#13 2,4-DB

R.T.: 10.919 min
Delta R.T.: -0.003 min
Response: 584368921
Conc: 499.24 ng/ml



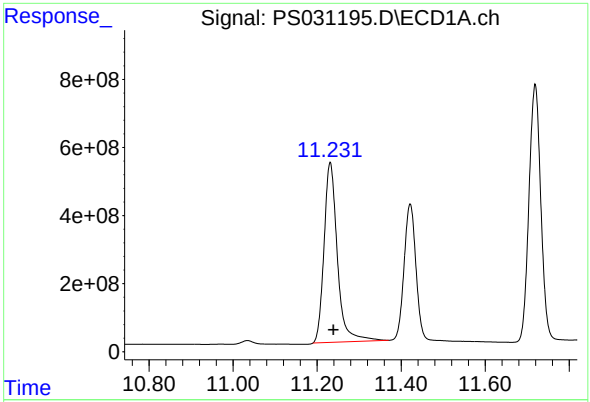
#14 DINOSEB

R.T.: 11.421 min
Delta R.T.: -0.005 min
Response: 7770203514
Conc: 499.07 ng/ml m



#14 DINOSEB

R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 5353573539
Conc: 473.68 ng/ml



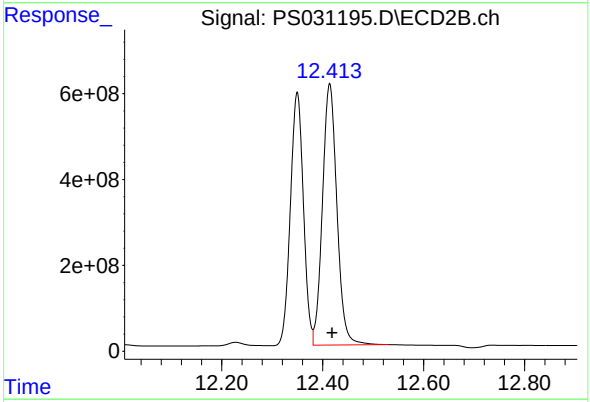
#15 Picloram

R.T.: 11.231 min
Delta R.T.: -0.007 min
Response: 11634694582
Conc: 581.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS

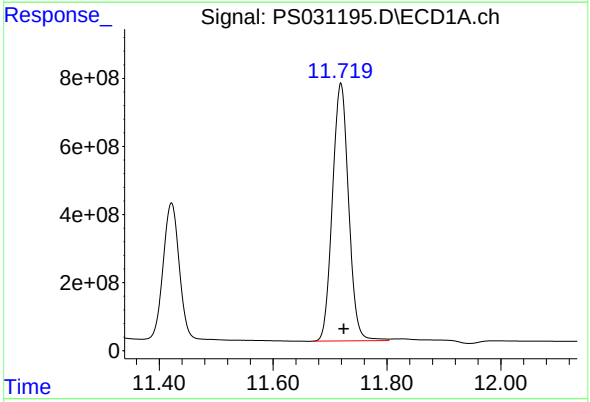
Manual Integrations APPROVED

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



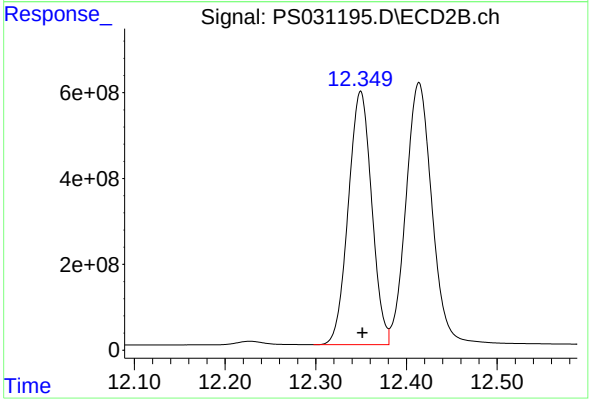
#15 Picloram

R.T.: 12.414 min
Delta R.T.: -0.005 min
Response: 12103819135
Conc: 486.19 ng/ml



#16 DCPA

R.T.: 11.719 min
Delta R.T.: -0.005 min
Response: 14933980903
Conc: 520.47 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.002 min
Response: 10586800473
Conc: 459.58 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Denali-070925MS	SDG No.:	Q2558
Lab Sample ID:	Q2558-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	79.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031226.D	1	07/16/25 08:25	07/24/25 15:02	PB168872

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.12		0.0097	0.041	0.084	mg/Kg
75-99-0	DALAPON	0.20	P	0.022	0.063	0.084	mg/Kg
120-36-5	DICHLORPROP	0.13		0.016	0.041	0.084	mg/Kg
94-75-7	2,4-D	0.16		0.011	0.041	0.084	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.14		0.011	0.041	0.084	mg/Kg
93-76-5	2,4,5-T	0.14		0.011	0.041	0.084	mg/Kg
94-82-6	2,4-DB	0.12		0.030	0.041	0.084	mg/Kg
88-85-7	DINOSEB	0.017	J	0.014	0.041	0.084	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	321		27 - 122		64%	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 : PS031226.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:02
Operator : AR\AJ
Sample : Q2558-01MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:11:05 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	1207.9E6	326.1E6	277.792m	321.261
	Target Compounds						
1) T	Dalapon	2.679	2.698	1383.2E6	1384.9E6	220.506m	488.204m#
2) T	3,5-DICHL...	6.483	6.711	1735.8E6	468.5E6	314.301	304.239
3) T	4-Nitroph...	7.119	7.298	435.6E6	441.4E6	264.196	243.949
5) T	DICAMBA	7.508	7.966	4757.3E6	1841.0E6	288.374	285.283
6) T	MCPP	7.688	8.063	251.9E6	48827341	25.165	23.499
7) T	MCPA	7.837	8.309	380.5E6	72566005	30.407	22.999
8) T	DICHLORPROP	8.219	8.685	1212.6E6	464.5E6	317.276	306.625
9) T	2,4-D	8.451	9.021	1432.2E6	574.3E6	383.453	338.158m
10) T	Pentachlo...	8.757	9.544	17111.1E6	10906.5E6	313.267	279.074
11) T	2,4,5-TP ...	9.336	9.926	7172.7E6	4573.3E6	326.721	307.056m
12) T	2,4,5-T	9.629	10.353	6631.9E6	4289.8E6	339.612	301.683
13) T	2,4-DB	10.206	10.921	729.6E6	331.5E6	244.023m	283.236
14) T	DINOSEB	11.419	11.304	613.8E6	428.3E6	39.422m	37.893m
15) T	Picloram	11.229	12.415	5524.8E6	5486.8E6	276.147	220.399
16) T	DCPA	11.714	12.348	6631.9E6	6722.5E6	231.128	291.824m#

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

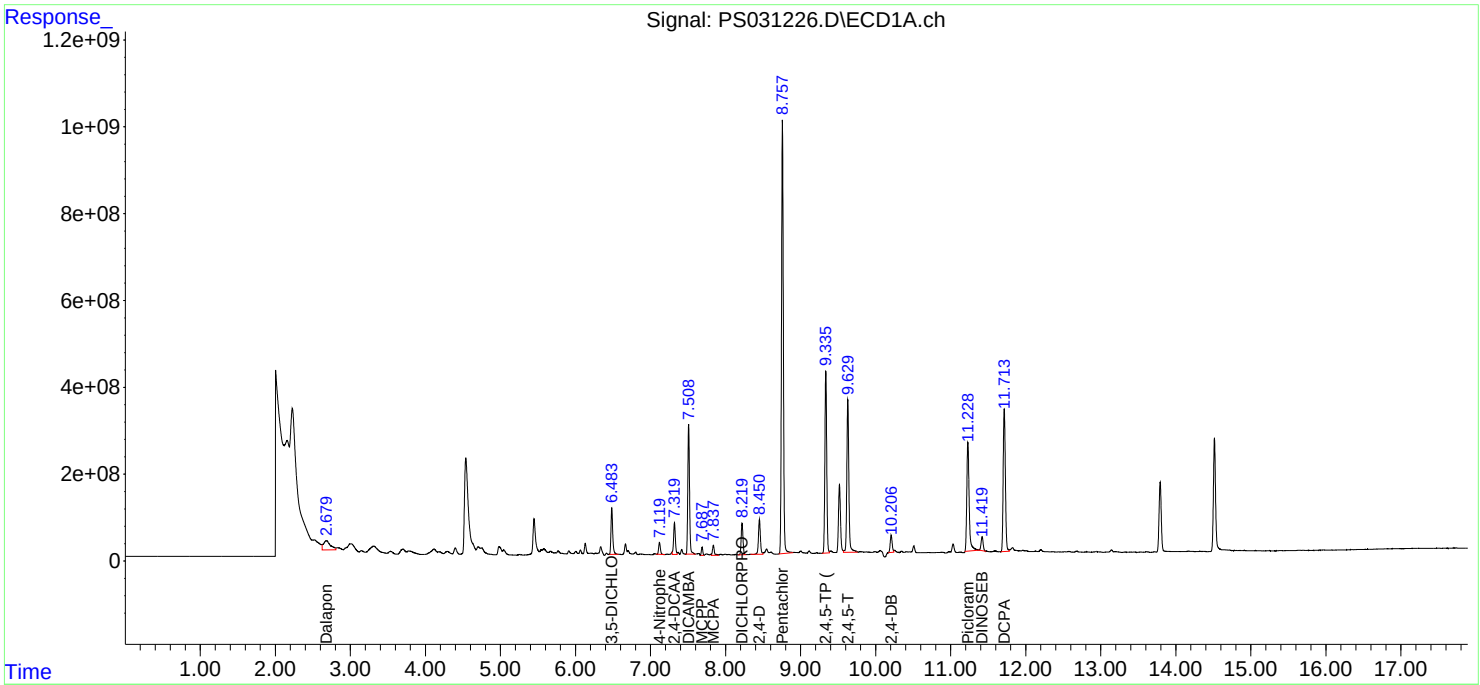
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031226.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:02
Operator : AR\AJ
Sample : Q2558-01MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

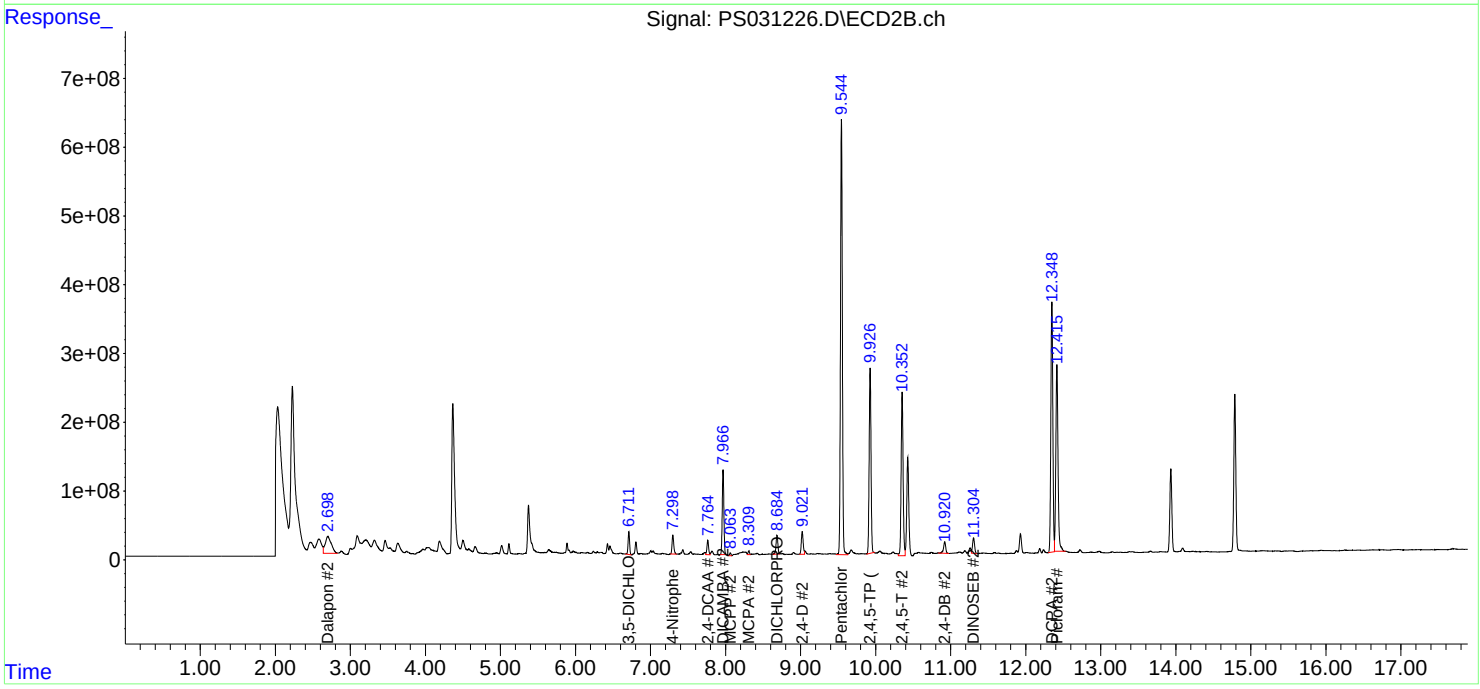
Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

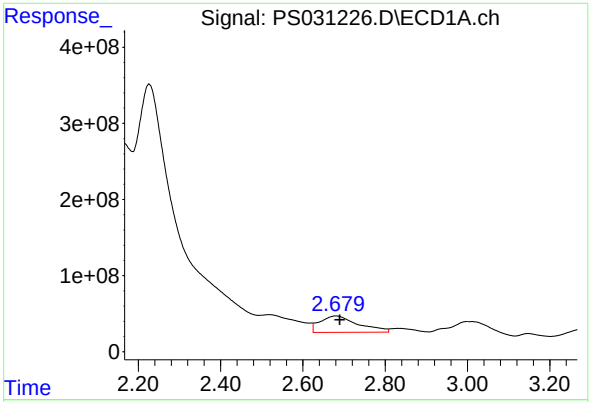
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:11:05 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







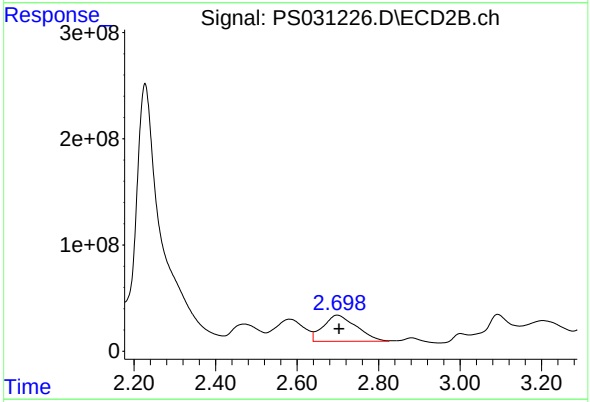
#1 Dalapon

R.T.: 2.679 min
Delta R.T.: -0.011 min
Response: 1383210455
Conc: 220.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

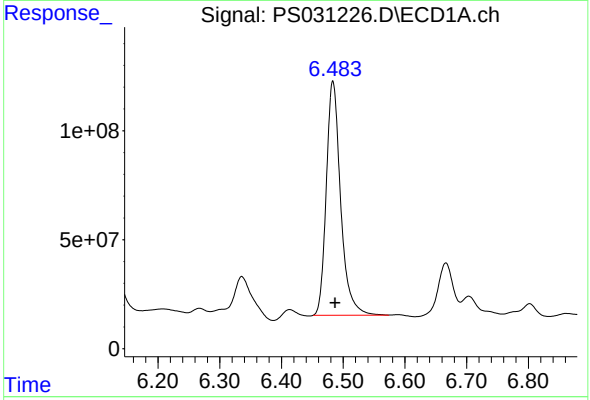
Manual Integrations APPROVED

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



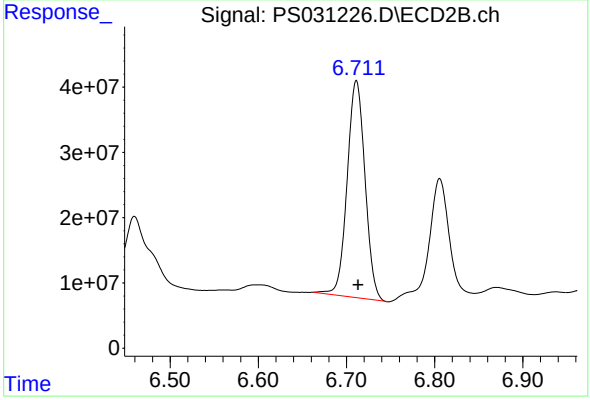
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: -0.006 min
Response: 1384907903
Conc: 488.20 ng/ml m



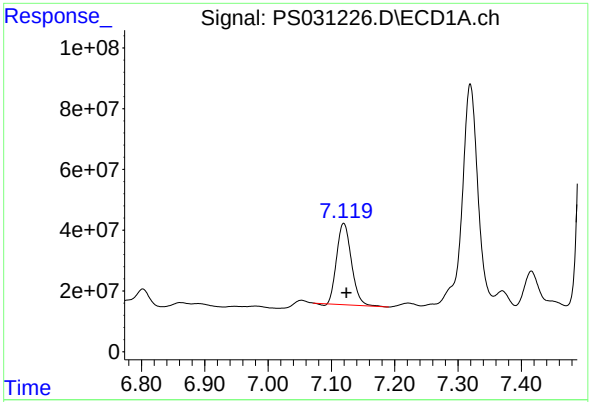
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 1735807006
Conc: 314.30 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 468495386
Conc: 304.24 ng/ml



#3 4-Nitrophenol

R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 435601689
Conc: 264.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

Manual Integrations APPROVED

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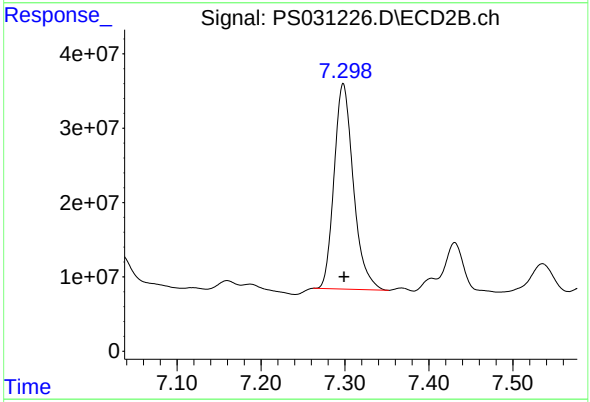
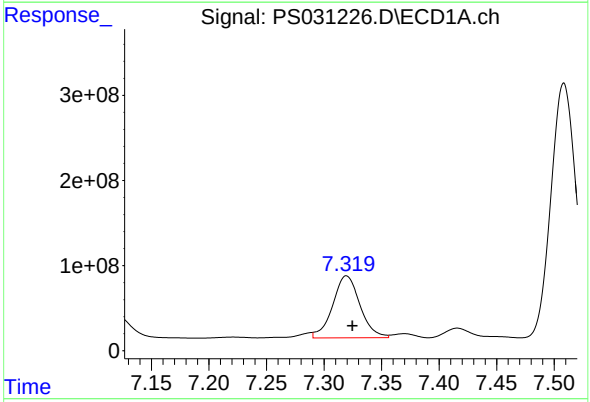
Supervised By :mohammad ahmed 07/25/2025



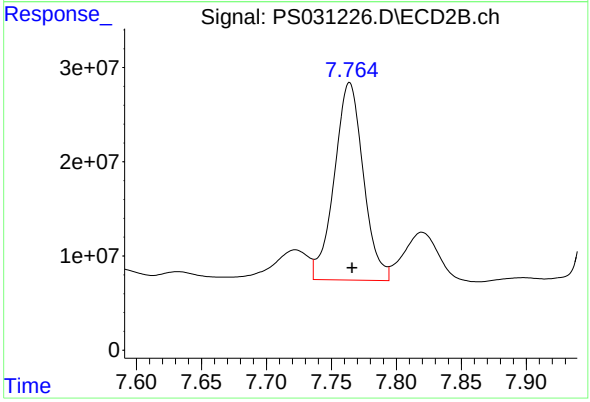
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 441381168
Conc: 243.95 ng/ml



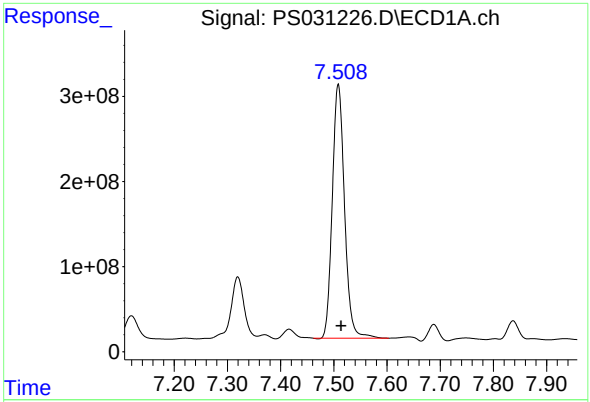
#4 2,4-DCAA

R.T.: 7.319 min
Delta R.T.: -0.006 min
Response: 1207909952
Conc: 277.79 ng/ml m



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 326069262
Conc: 321.26 ng/ml



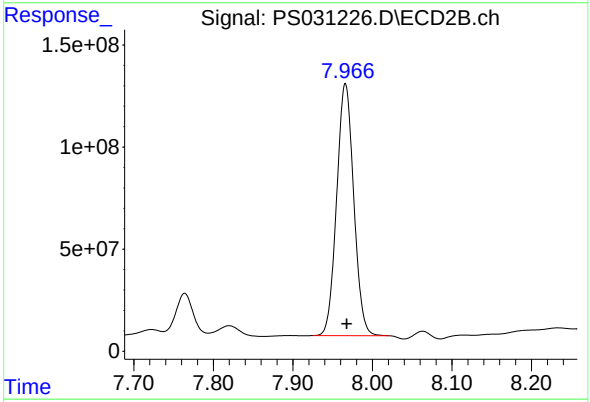
#5 DICAMBA

R.T.: 7.508 min
Delta R.T.: -0.005 min
Response: 4757290779
Conc: 288.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

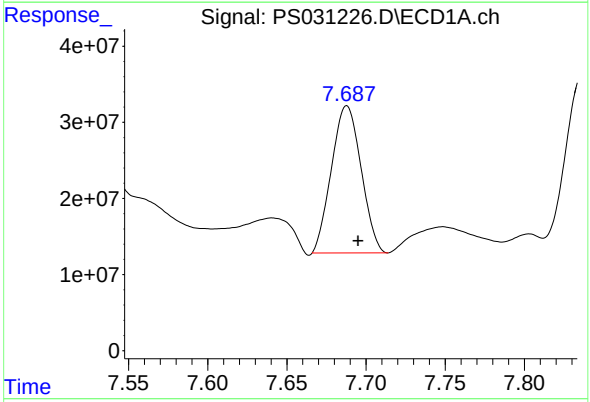
Manual Integrations APPROVED

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



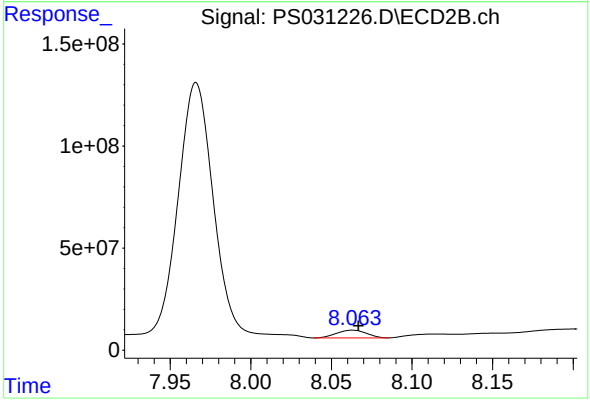
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 1841034966
Conc: 285.28 ng/ml



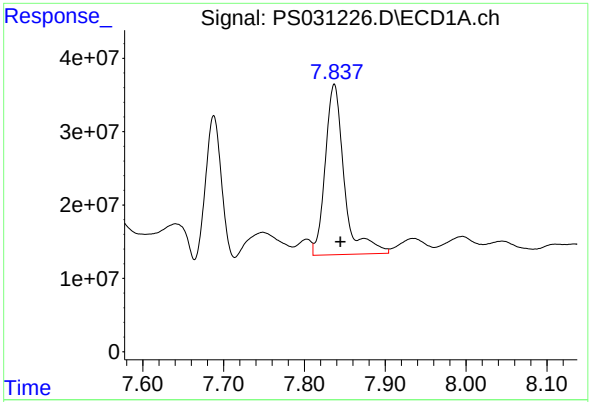
#6 MCPP

R.T.: 7.688 min
Delta R.T.: -0.007 min
Response: 251906412
Conc: 25.17 ug/ml



#6 MCPP

R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 48827341
Conc: 23.50 ug/ml



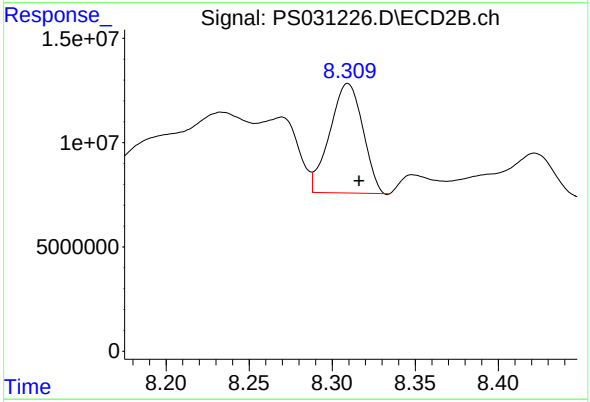
#7 MCPA

R.T.: 7.837 min
Delta R.T.: -0.008 min
Response: 380515067
Conc: 30.41 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

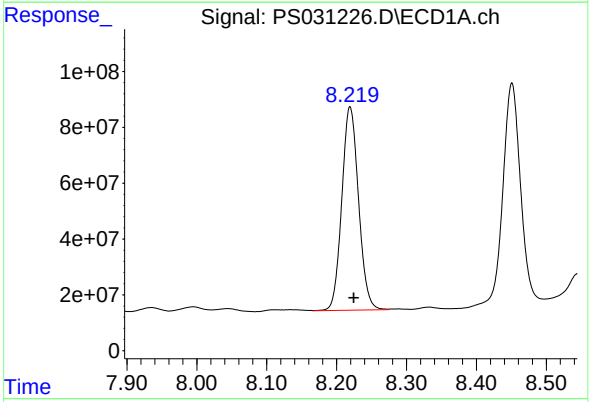
Manual Integrations
APPROVED

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



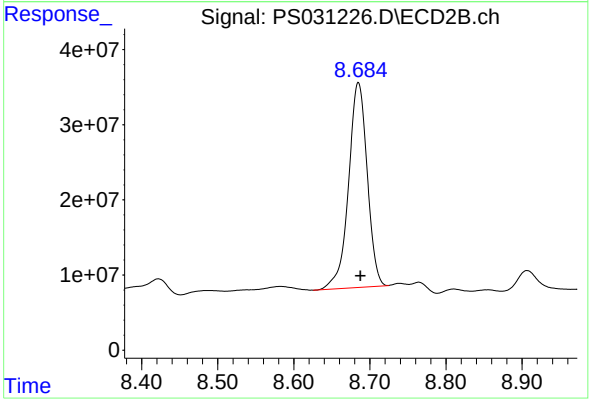
#7 MCPA

R.T.: 8.309 min
Delta R.T.: -0.007 min
Response: 72566005
Conc: 23.00 ug/ml



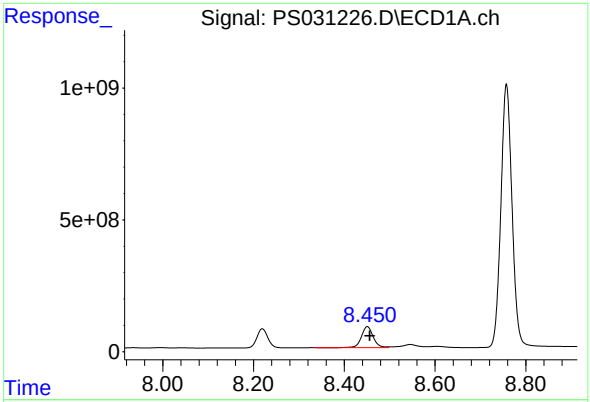
#8 DICHLORPROP

R.T.: 8.219 min
Delta R.T.: -0.005 min
Response: 1212614966
Conc: 317.28 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 464494363
Conc: 306.63 ng/ml



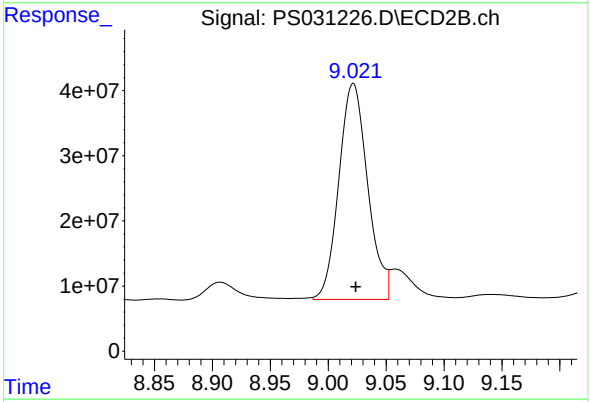
#9 2,4-D

R.T.: 8.451 min
Delta R.T.: -0.006 min
Response: 1432163572
Conc: 383.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

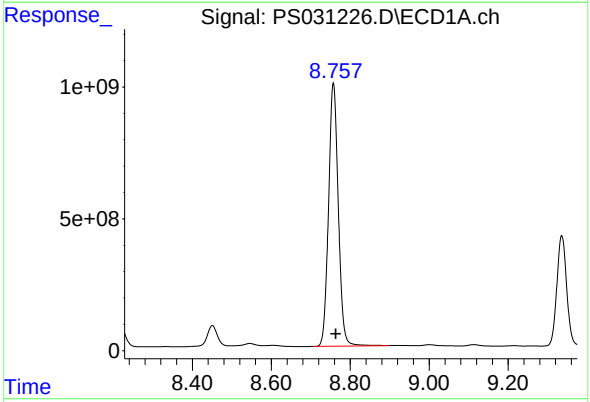
Manual Integrations APPROVED

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



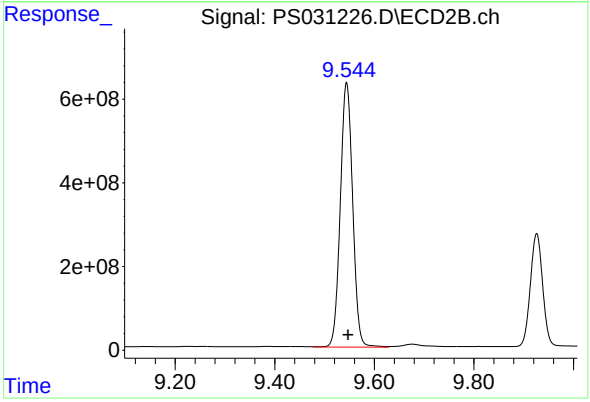
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.002 min
Response: 574300917
Conc: 338.16 ng/ml m



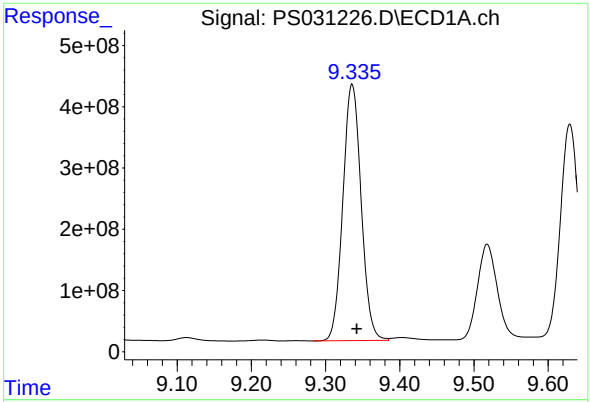
#10 Pentachlorophenol

R.T.: 8.757 min
Delta R.T.: -0.006 min
Response: 17111148420
Conc: 313.27 ng/ml



#10 Pentachlorophenol

R.T.: 9.544 min
Delta R.T.: -0.003 min
Response: 10906546910
Conc: 279.07 ng/ml



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

R.T.: 9.336 min
Delta R.T.: -0.006 min
Response: 7172700250
Conc: 326.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
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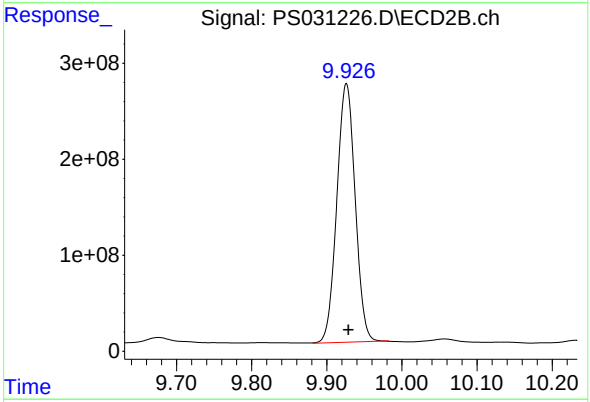
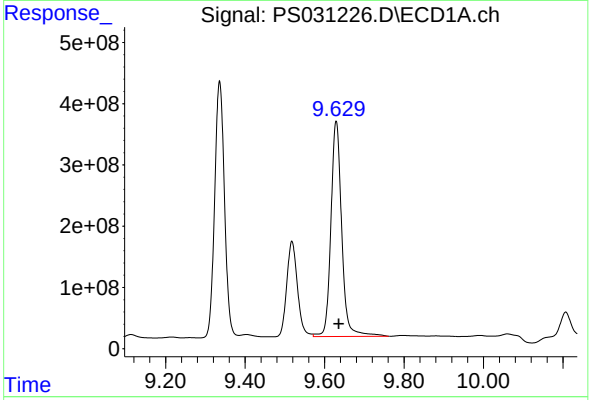


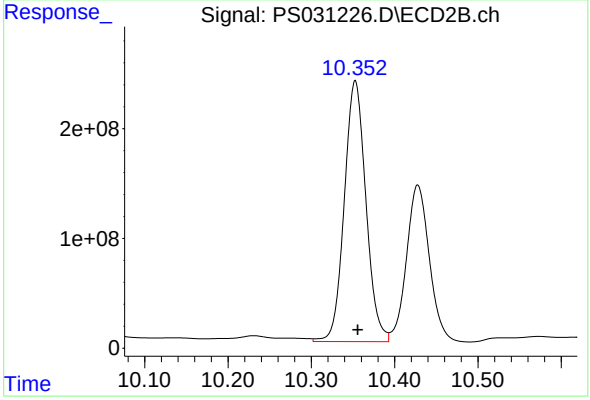
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 4573347344
Conc: 307.06 ng/ml m



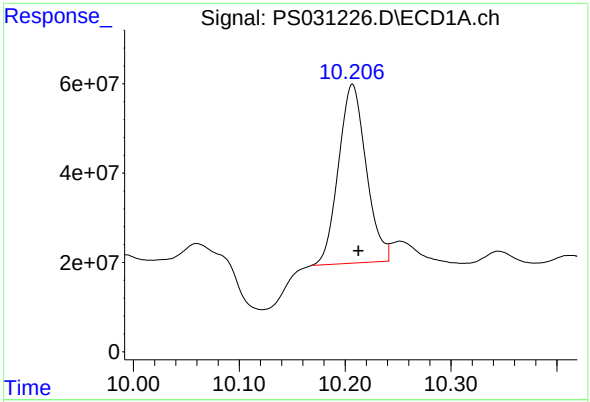
#12 2,4,5-T

R.T.: 9.629 min
Delta R.T.: -0.007 min
Response: 6631871184
Conc: 339.61 ng/ml



#12 2,4,5-T

R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 4289763984
Conc: 301.68 ng/ml



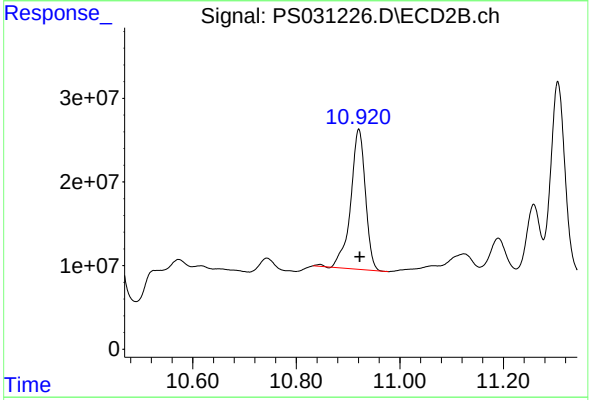
#13 2,4-DB

R.T.: 10.206 min
Delta R.T.: -0.006 min
Response: 729600533
Conc: 244.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

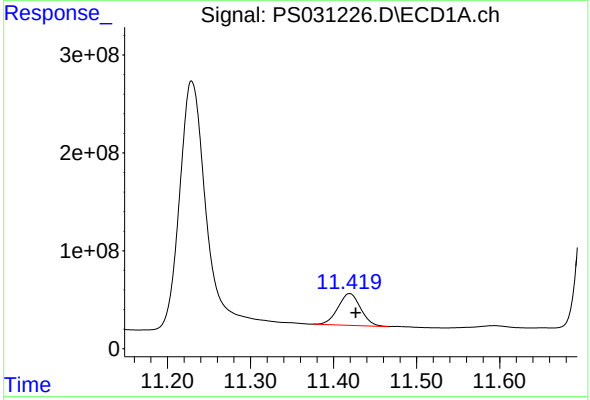
Manual Integrations APPROVED

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



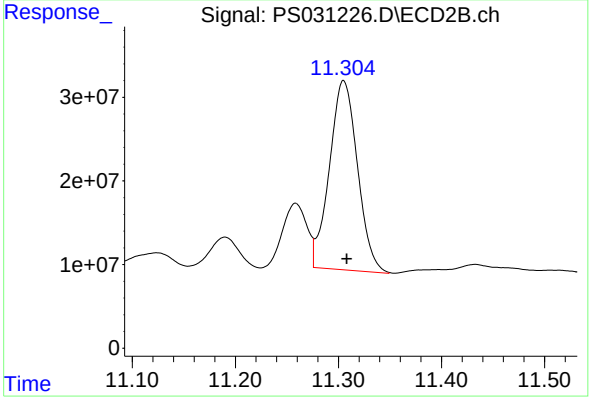
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.002 min
Response: 331530843
Conc: 283.24 ng/ml



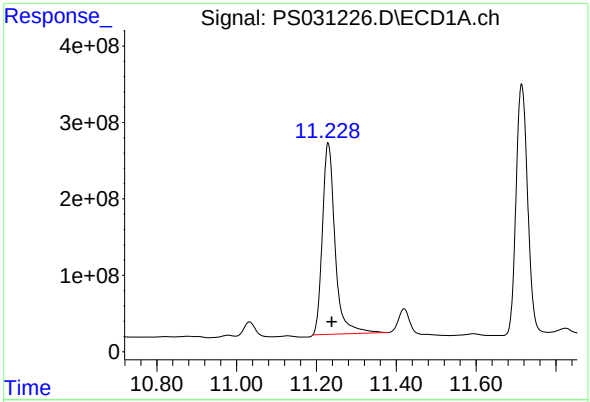
#14 DINOSEB

R.T.: 11.419 min
Delta R.T.: -0.007 min
Response: 613780544
Conc: 39.42 ng/ml m



#14 DINOSEB

R.T.: 11.304 min
Delta R.T.: -0.004 min
Response: 428272336
Conc: 37.89 ng/ml m



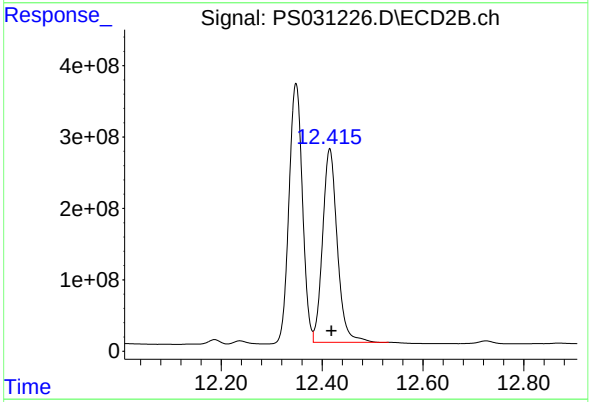
#15 Picloram

R.T.: 11.229 min
Delta R.T.: -0.009 min
Response: 5524754619
Conc: 276.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

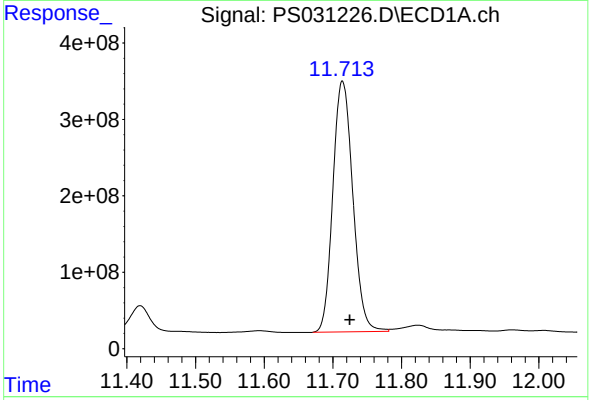
Manual Integrations APPROVED

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



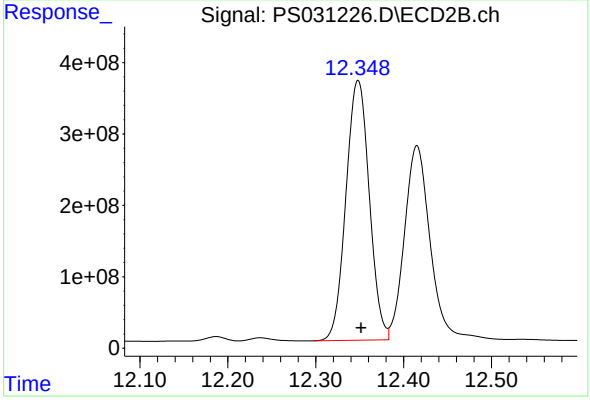
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.003 min
Response: 5486835427
Conc: 220.40 ng/ml



#16 DCPA

R.T.: 11.714 min
Delta R.T.: -0.010 min
Response: 6631872125
Conc: 231.13 ng/ml



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.004 min
Response: 6722477442
Conc: 291.82 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Denali-070925MSD	SDG No.:	Q2558
Lab Sample ID:	Q2558-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	79.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031227.D	1	07/16/25 08:25	07/24/25 15:26	PB168872

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.12		0.0097	0.041	0.084	mg/Kg
75-99-0	DALAPON	0.20	P	0.022	0.063	0.084	mg/Kg
120-36-5	DICHLORPROP	0.13		0.016	0.041	0.084	mg/Kg
94-75-7	2,4-D	0.16		0.011	0.041	0.084	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.14		0.011	0.041	0.084	mg/Kg
93-76-5	2,4,5-T	0.14		0.011	0.041	0.084	mg/Kg
94-82-6	2,4-DB	0.12		0.030	0.041	0.084	mg/Kg
88-85-7	DINOSEB	0.016	J	0.014	0.041	0.084	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	316		27 - 122		63%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031227.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:26
Operator : AR\AJ
Sample : Q2558-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:06:42 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	1204.0E6	321.0E6	276.898m	316.276
	Target Compounds						
1) T	Dalapon	2.678	2.697	1193.7E6	1375.2E6	190.297m	484.784m#
2) T	3,5-DICHL...	6.483	6.712	1734.3E6	468.1E6	314.021	304.007
3) T	4-Nitroph...	7.120	7.298	438.7E6	440.2E6	266.088	243.303
5) T	DICAMBA	7.509	7.966	4733.6E6	1846.1E6	286.936	286.062
6) T	MCPP	7.688	8.063	252.1E6	48190642	25.182	23.193
7) T	MCPA	7.837	8.310	344.2E6	75089103	27.505	23.798
8) T	DICHLORPROP	8.219	8.685	1220.1E6	470.3E6	319.228	310.448
9) T	2,4-D	8.451	9.021	1390.8E6	552.3E6	372.390m	325.209m
10) T	Pentachlo...	8.758	9.545	17038.4E6	10819.0E6	311.936	276.834
11) T	2,4,5-TP ...	9.336	9.926	7160.5E6	4794.8E6	326.164	321.924
12) T	2,4,5-T	9.630	10.353	6590.2E6	4284.3E6	337.478	301.299
13) T	2,4-DB	10.208	10.921	719.4E6	329.3E6	240.611m	281.292
14) T	DINOSEB	11.419	11.306	599.4E6	388.1E6	38.500m	34.337
15) T	Picloram	11.231	12.416	5532.2E6	5569.6E6	276.517	223.723
16) T	DCPA	11.713	12.349	6680.3E6	6751.4E6	232.815	293.081 #

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

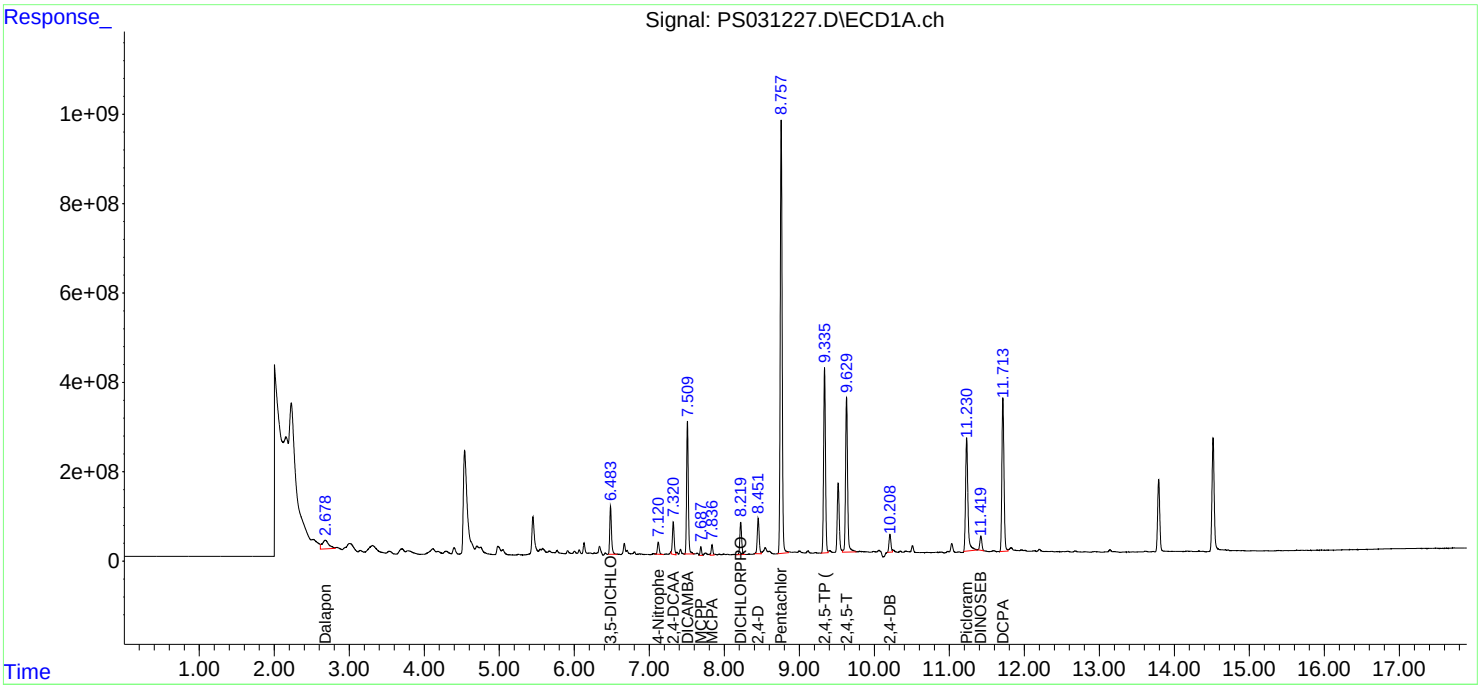
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031227.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:26
Operator : AR\AJ
Sample : Q2558-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

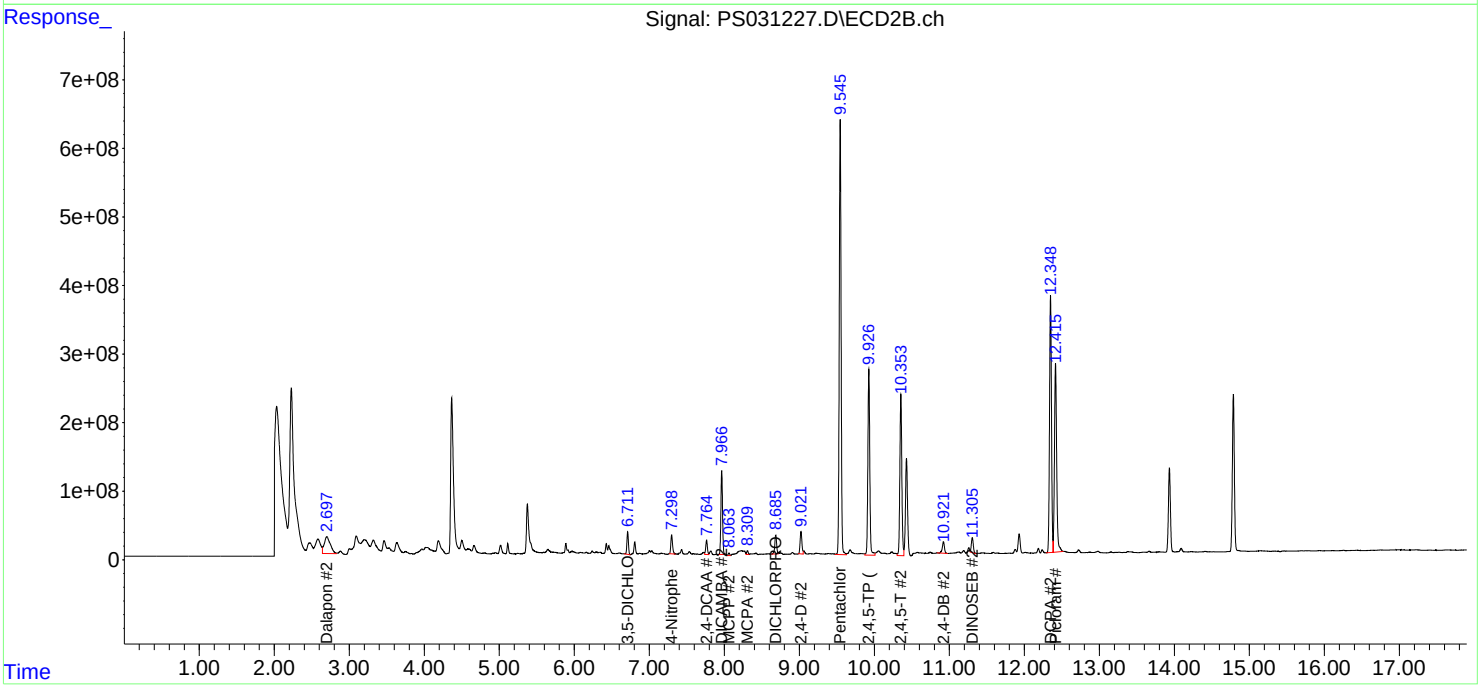
Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

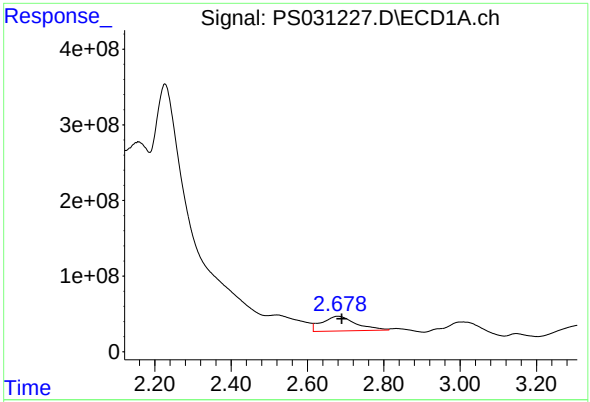
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:06:42 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: 1193714520
Conc: 190.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

Manual Integrations APPROVED

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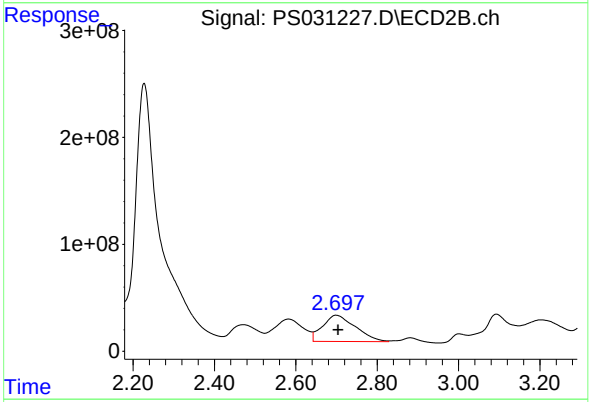
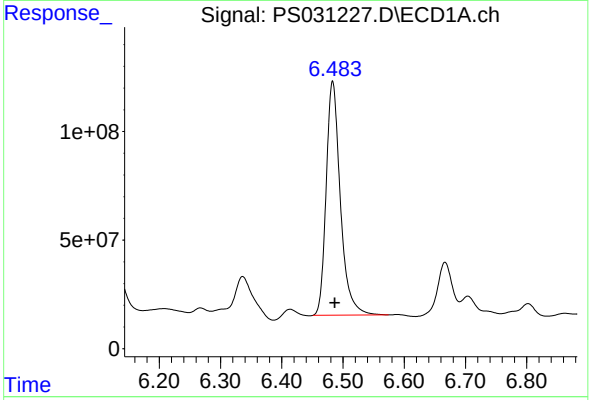
Supervised By :mohammad ahmed 07/25/2025



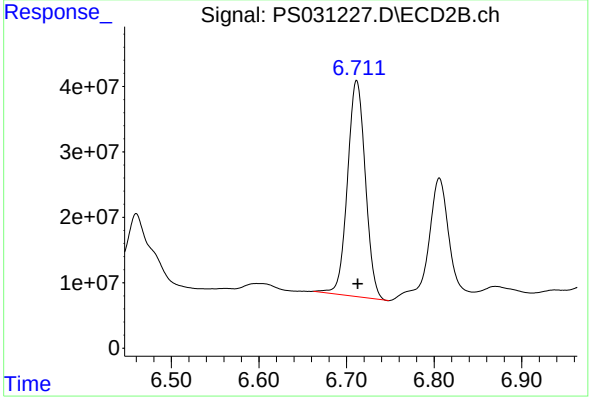
#1 Dalapon

R.T.: 2.697 min
Delta R.T.: -0.006 min
Response: 1375204696
Conc: 484.78 ng/ml m



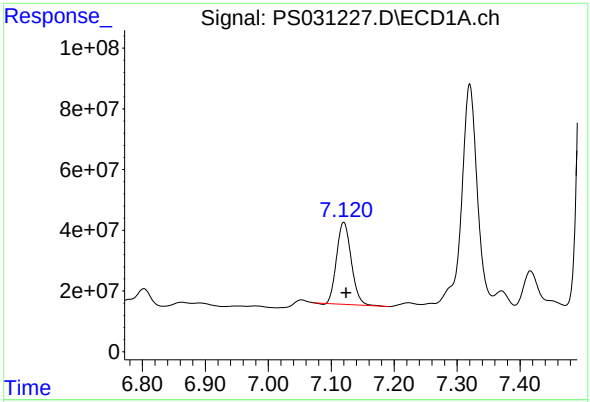
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 1734258064
Conc: 314.02 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.712 min
Delta R.T.: -0.001 min
Response: 468137953
Conc: 304.01 ng/ml



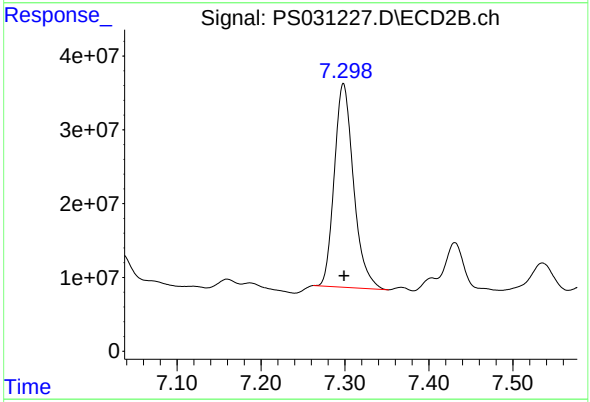
#3 4-Nitrophenol

R.T.: 7.120 min
Delta R.T.: -0.004 min
Response: 438722538
Conc: 266.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

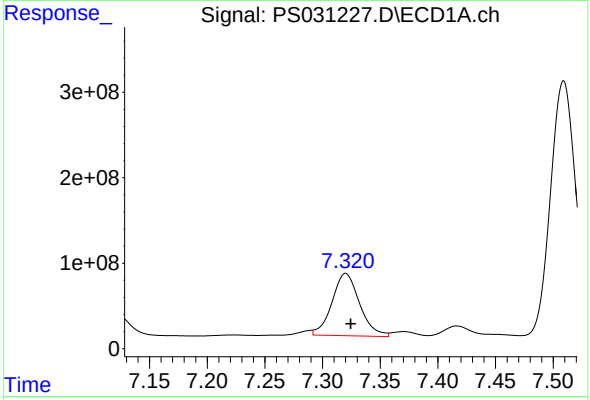
Manual Integrations APPROVED

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



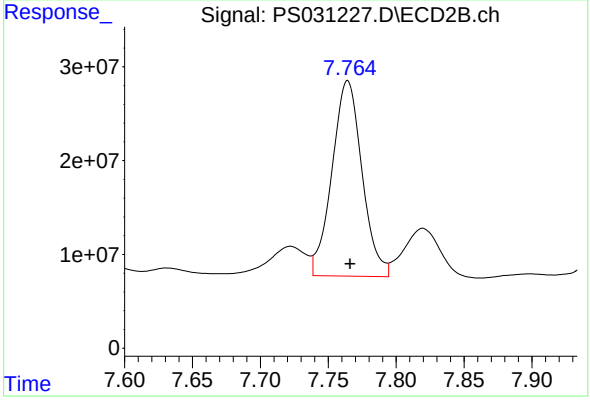
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: 0.000 min
Response: 440212444
Conc: 243.30 ng/ml



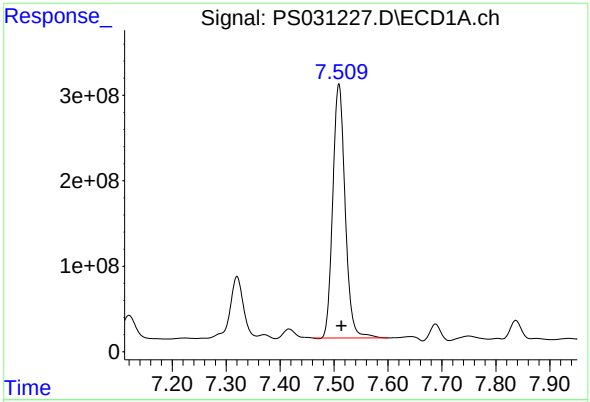
#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1204021273
Conc: 276.90 ng/ml m



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 321010493
Conc: 316.28 ng/ml



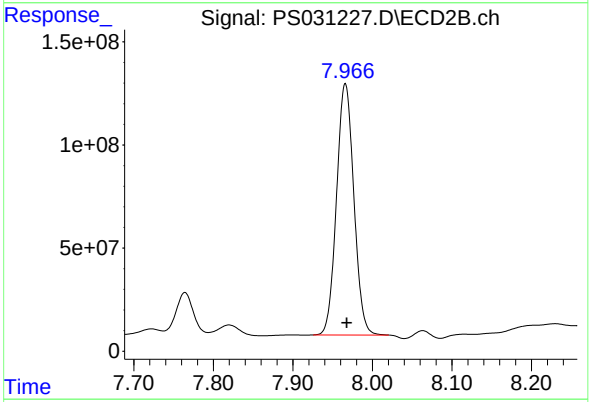
#5 DICAMBA

R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 4733568685
Conc: 286.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

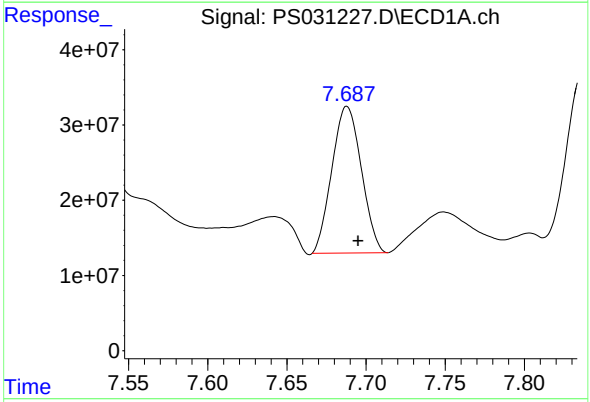
Manual Integrations APPROVED

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



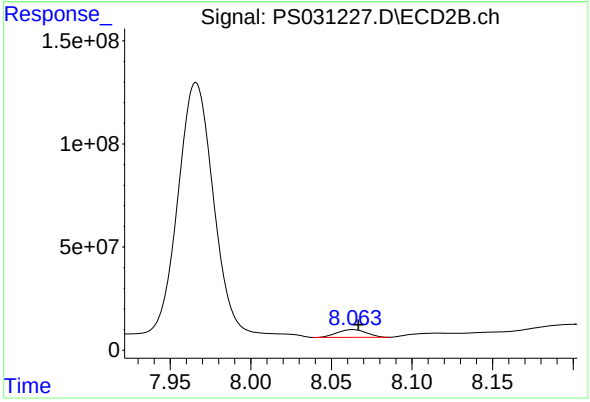
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 1846063980
Conc: 286.06 ng/ml



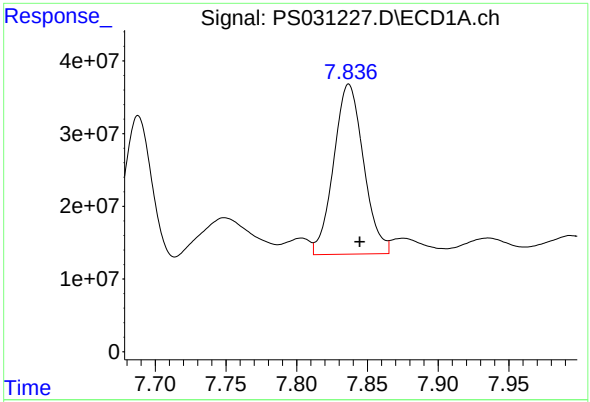
#6 MCPP

R.T.: 7.688 min
Delta R.T.: -0.007 min
Response: 252073621
Conc: 25.18 ug/ml



#6 MCPP

R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 48190642
Conc: 23.19 ug/ml



#7 MCPA

R.T.: 7.837 min
Delta R.T.: -0.008 min
Response: 344201461
Conc: 27.50 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

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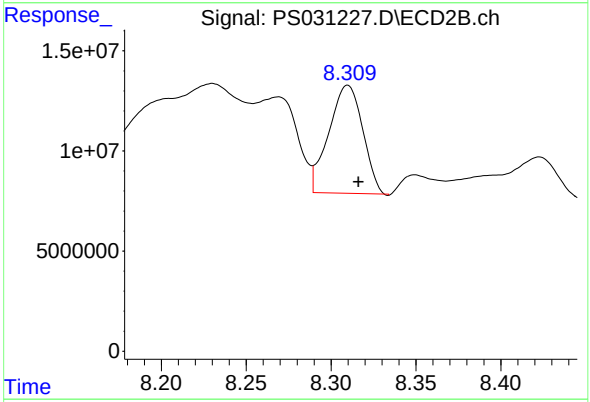
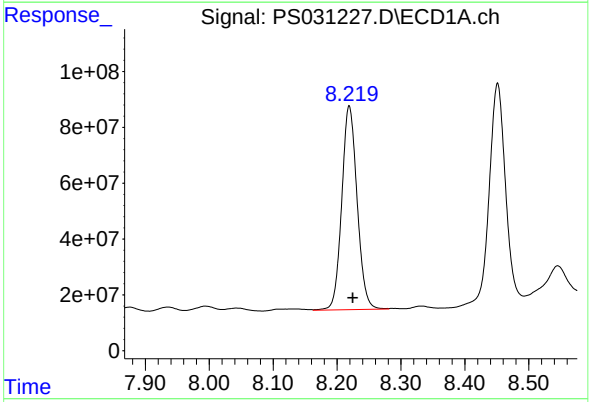
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/25/2025



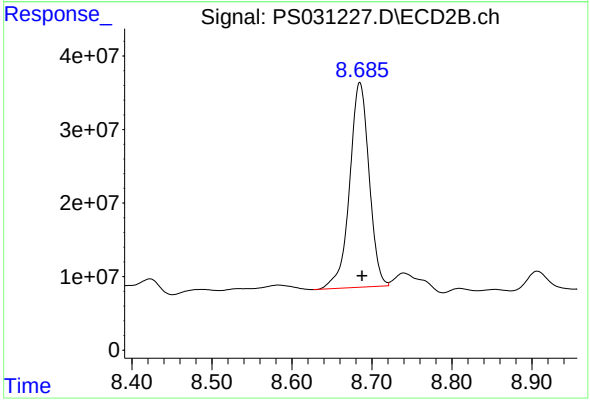
#7 MCPA

R.T.: 8.310 min
Delta R.T.: -0.007 min
Response: 75089103
Conc: 23.80 ug/ml



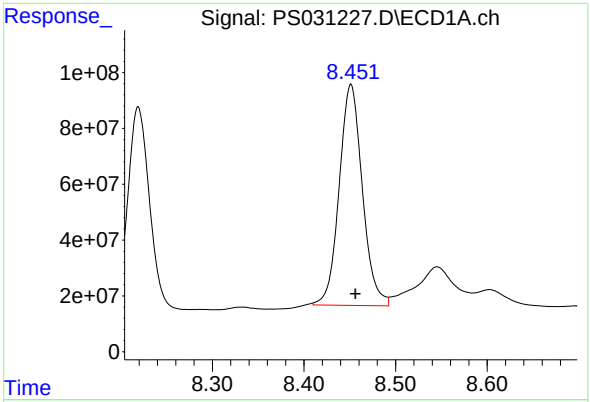
#8 DICHLORPROP

R.T.: 8.219 min
Delta R.T.: -0.005 min
Response: 1220076896
Conc: 319.23 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 470285138
Conc: 310.45 ng/ml



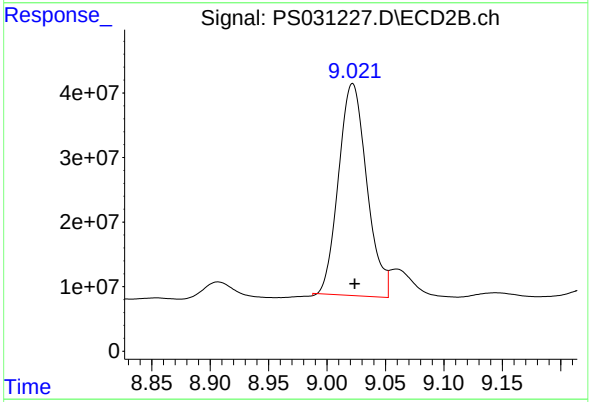
#9 2,4-D

R.T.: 8.451 min
Delta R.T.: -0.005 min
Response: 1390846464
Conc: 372.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

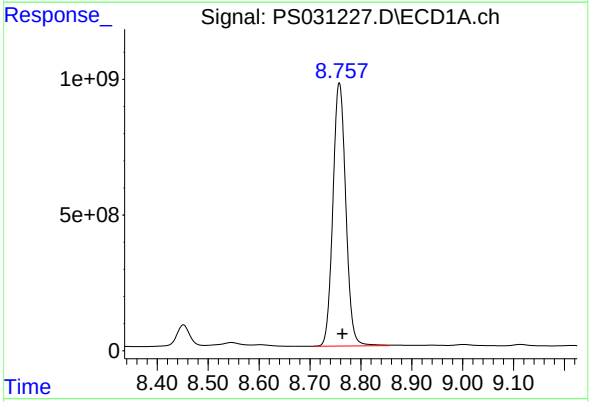
Manual Integrations APPROVED

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



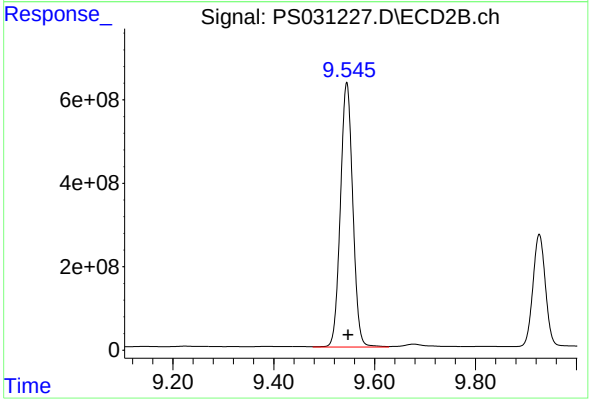
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.002 min
Response: 552308493
Conc: 325.21 ng/ml m



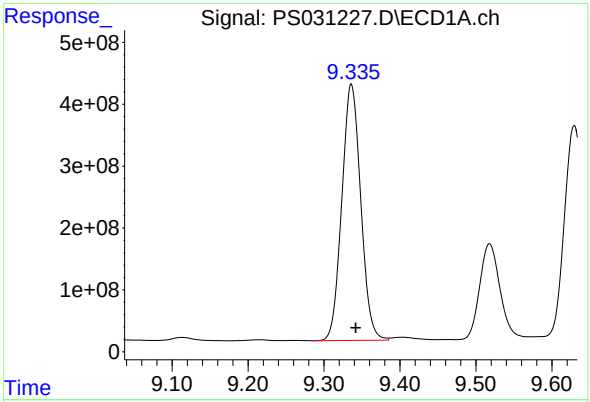
#10 Pentachlorophenol

R.T.: 8.758 min
Delta R.T.: -0.006 min
Response: 17038436484
Conc: 311.94 ng/ml



#10 Pentachlorophenol

R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 10818998656
Conc: 276.83 ng/ml



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

R.T.: 9.336 min
Delta R.T.: -0.006 min
Response: 7160458375
Conc: 326.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

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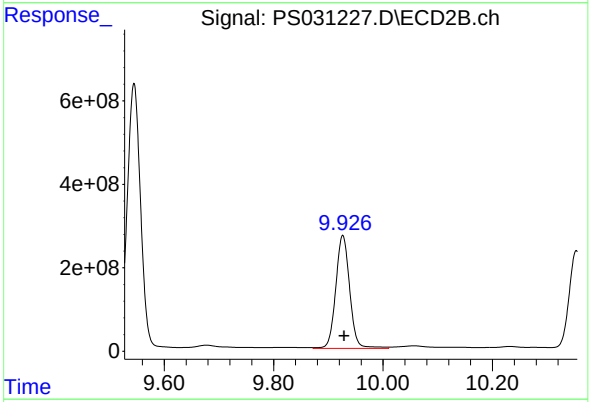
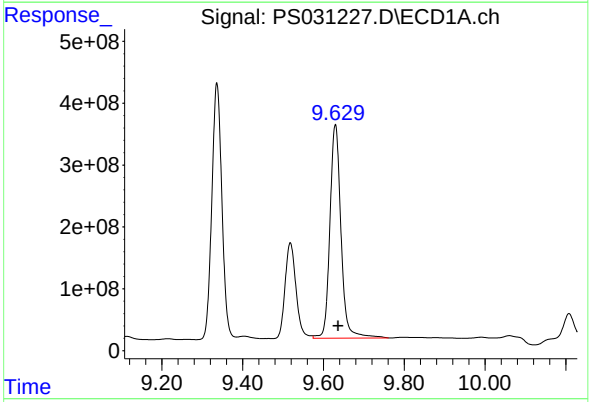
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/25/2025



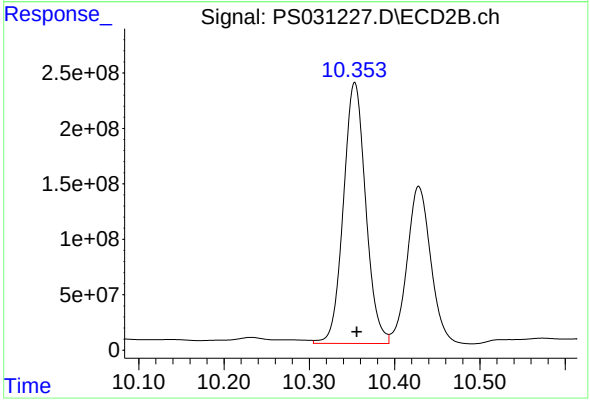
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.002 min
Response: 4794798349
Conc: 321.92 ng/ml



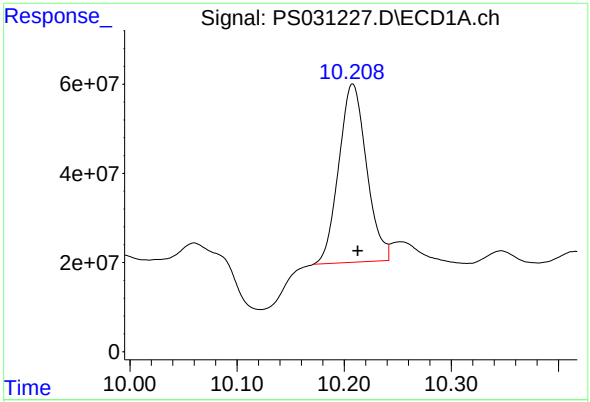
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 6590195754
Conc: 337.48 ng/ml



#12 2,4,5-T

R.T.: 10.353 min
Delta R.T.: -0.002 min
Response: 4284304182
Conc: 301.30 ng/ml



#13 2,4-DB

R.T.: 10.208 min
Delta R.T.: -0.005 min
Response: 719399647
Conc: 240.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

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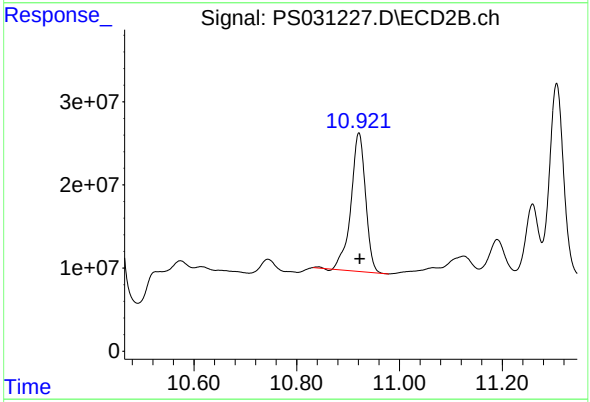
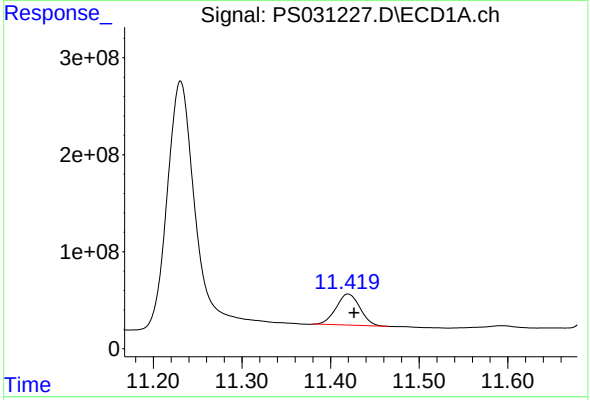
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/25/2025



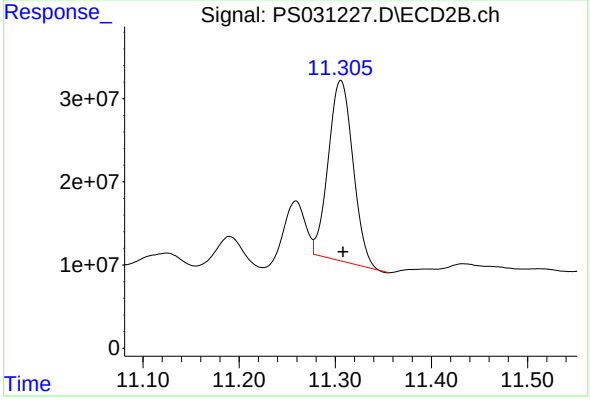
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.002 min
Response: 329254841
Conc: 281.29 ng/ml



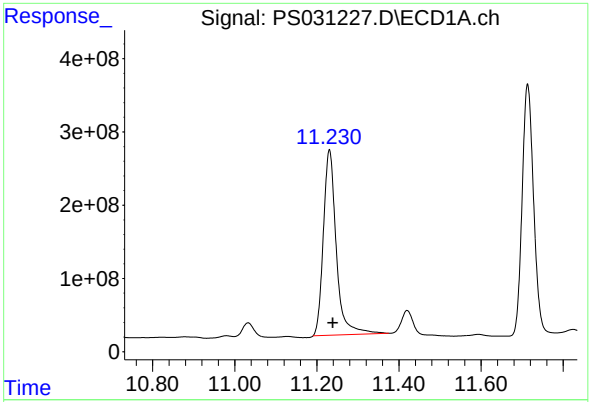
#14 DINOSEB

R.T.: 11.419 min
Delta R.T.: -0.007 min
Response: 599428675
Conc: 38.50 ng/ml m



#14 DINOSEB

R.T.: 11.306 min
Delta R.T.: -0.002 min
Response: 388079725
Conc: 34.34 ng/ml



#15 Picloram

R.T.: 11.231 min
Delta R.T.: -0.008 min
Response: 5532160551
Conc: 276.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

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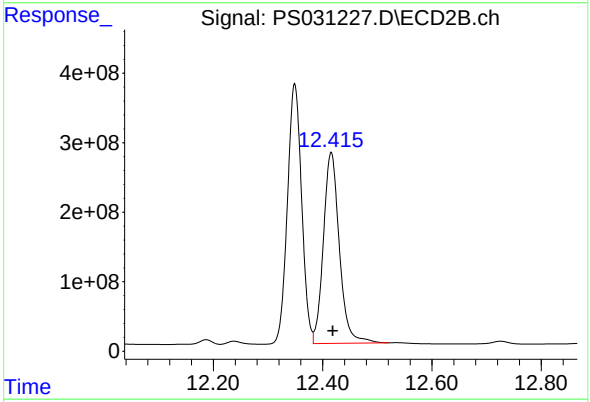
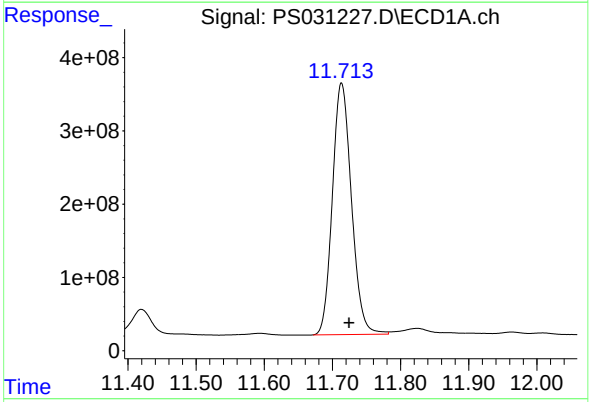
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/25/2025



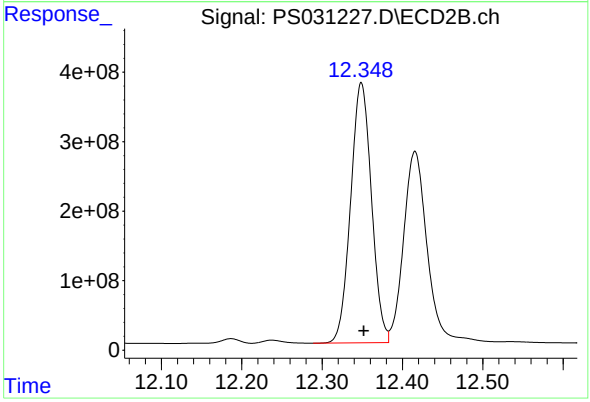
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.003 min
Response: 5569601861
Conc: 223.72 ng/ml



#16 DCPA

R.T.: 11.713 min
Delta R.T.: -0.011 min
Response: 6680276658
Conc: 232.82 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 6751428091
Conc: 293.08 ng/ml

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Manual Integration Report

Sequence:	PS071125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS031006.D	2,4-DCAA	Abdul	7/14/2025 8:47:57 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
HSTDICC500	PS031007.D	2,4-DCAA	Abdul	7/14/2025 8:48:00 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
HSTDICC1500	PS031010.D	2,4-DCAA	Abdul	7/14/2025 8:48:03 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
HSTDICC1500	PS031010.D	DCPA #2	Abdul	7/14/2025 8:48:03 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
I.BLK	PS031012.D	2,4-DCAA	Abdul	7/14/2025 8:48:05 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS071725	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031089.D	2,4-DCAA	Abdul	7/18/2025 8:53:36 AM	mohammad	7/19/2025 3:21:08	Peak Integrated by Software
Q2558-01	PS031090.D	2,4-DCAA #2	Abdul	7/18/2025 8:53:39 AM	mohammad	7/19/2025 3:21:08	Peak Integrated by Software
HSTDCCC750	PS031100.D	2,4,5-T	Abdul	7/18/2025 8:53:53 AM	mohammad	7/19/2025 3:21:08	Peak Integrated by Software
HSTDCCC750	PS031100.D	2,4-DB	Abdul	7/18/2025 8:53:53 AM	mohammad	7/19/2025 3:21:08	Peak Integrated by Software
HSTDCCC750	PS031110.D	2,4,5-T	Abdul	7/18/2025 8:54:09 AM	mohammad	7/19/2025 3:21:08	Peak Integrated by Software
HSTDCCC750	PS031110.D	2,4-DB	Abdul	7/18/2025 8:54:09 AM	mohammad	7/19/2025 3:21:08	Peak Integrated by Software
HSTDCCC750	PS031110.D	4-Nitrophenol	Abdul	7/18/2025 8:54:09 AM	mohammad	7/19/2025 3:21:08	Peak Integrated by Software
HSTDCCC750	PS031123.D	2,4,5-T	Abdul	7/18/2025 8:54:27 AM	mohammad	7/19/2025 3:21:08	Peak Integrated by Software

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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
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
PB168872BS	PS031195.D	2,4-DCAA #2	Abdul	7/24/2025 8:39:48 AM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
PB168872BS	PS031195.D	DCPA #2	Abdul	7/24/2025 8:39:48 AM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
PB168872BS	PS031195.D	DINOSEB	Abdul	7/24/2025 8:39:48 AM	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

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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	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
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 8:24:01	Peak Integrated by Software
HSTDCCC750	PS031222.D	2,4-DB	yogesh	7/25/2025 8:14:31 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
HSTDCCC750	PS031222.D	2,4-DCAA	yogesh	7/25/2025 8:14:31 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MS	PS031226.D	2,4,5-TP (SILVEX) #2	yogesh	7/25/2025 8:14:37 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MS	PS031226.D	2,4-D #2	yogesh	7/25/2025 8:14:37 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MS	PS031226.D	2,4-DB	yogesh	7/25/2025 8:14:37 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MS	PS031226.D	2,4-DCAA	yogesh	7/25/2025 8:14:37 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MS	PS031226.D	Dalapon	yogesh	7/25/2025 8:14:37 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MS	PS031226.D	Dalapon #2	yogesh	7/25/2025 8:14:37 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MS	PS031226.D	DCPA #2	yogesh	7/25/2025 8:14:37 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MS	PS031226.D	DINOSEB	yogesh	7/25/2025 8:14:37 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MS	PS031226.D	DINOSEB #2	yogesh	7/25/2025 8:14:37 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MSD	PS031227.D	2,4-D	yogesh	7/25/2025 8:14:39 AM	mohammad	7/25/2025 8:24:01	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
Q2558-01MSD	PS031227.D	2,4-D #2	yogesh	7/25/2025 8:14:39 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MSD	PS031227.D	2,4-DB	yogesh	7/25/2025 8:14:39 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MSD	PS031227.D	2,4-DCAA	yogesh	7/25/2025 8:14:39 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MSD	PS031227.D	Dalapon	yogesh	7/25/2025 8:14:39 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MSD	PS031227.D	Dalapon #2	yogesh	7/25/2025 8:14:39 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
Q2558-01MSD	PS031227.D	DINOSEB	yogesh	7/25/2025 8:14:39 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
HSTDCCC750	PS031233.D	DCPA #2	yogesh	7/25/2025 8:14:42 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
HSTDCCC750	PS031233.D	DINOSEB	yogesh	7/25/2025 8:14:42 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
HSTDCCC750	PS031233.D	Pentachlorophenol	yogesh	7/25/2025 8:14:42 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software
HSTDCCC750	PS031233.D	Picloram	yogesh	7/25/2025 8:14:42 AM	mohammad	7/25/2025 8:24:01	Peak Integrated by Software

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071125

Review By	Abdul	Review On	7/14/2025 8:48:45 AM		
Supervise By	mohammad	Supervise On	7/15/2025 1:41:05 AM		
SubDirectory	PS071125	HP Acquire Method		HP Processing Method	ps061825 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	PS031004.D	11 Jul 2025 15:11	AR\AJ	Ok
2	I.BLK	PS031005.D	11 Jul 2025 15:35	AR\AJ	Ok
3	HSTDICC200	PS031006.D	11 Jul 2025 16:00	AR\AJ	Ok,M
4	HSTDICC500	PS031007.D	11 Jul 2025 16:24	AR\AJ	Ok,M
5	HSTDICC750	PS031008.D	11 Jul 2025 16:48	AR\AJ	Ok
6	HSTDICC1000	PS031009.D	11 Jul 2025 17:12	AR\AJ	Ok
7	HSTDICC1500	PS031010.D	11 Jul 2025 17:36	AR\AJ	Ok,M
8	HSTDICV750	PS031011.D	11 Jul 2025 18:00	AR\AJ	Ok
9	I.BLK	PS031012.D	11 Jul 2025 18:25	AR\AJ	Ok,M
10	HSTDCCC750	PS031013.D	11 Jul 2025 18:49	AR\AJ	Ok
11	Q2517-01RE	PS031014.D	11 Jul 2025 20:01	AR\AJ	Confirms
12	Q2514-10RE	PS031015.D	11 Jul 2025 20:25	AR\AJ	Confirms
13	Q2493-01MS	PS031016.D	11 Jul 2025 20:49	AR\AJ	Not Ok
14	Q2493-01MSD	PS031017.D	11 Jul 2025 21:14	AR\AJ	Not Ok
15	I.BLK	PS031018.D	11 Jul 2025 21:38	AR\AJ	Ok
16	HSTDCCC750	PS031019.D	11 Jul 2025 22:02	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071725

Review By	Abdul	Review On	7/18/2025 8:57:21 AM		
Supervise By	mohammad	Supervise On	7/19/2025 3:21:08 AM		
SubDirectory	PS071725	HP Acquire Method		HP Processing Method	ps071125 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	PS031087.D	17 Jul 2025 08:50	AR\AJ	Ok
2	I.BLK	PS031088.D	17 Jul 2025 09:14	AR\AJ	Ok
3	HSTDCCC750	PS031089.D	17 Jul 2025 10:04	AR\AJ	Ok,M
4	Q2558-01	PS031090.D	17 Jul 2025 12:10	AR\AJ	Ok,M
5	Q2558-03	PS031091.D	17 Jul 2025 12:35	AR\AJ	Not Ok
6	Q2600-02	PS031092.D	17 Jul 2025 13:12	AR\AJ	Not Ok
7	Q2600-06	PS031093.D	17 Jul 2025 13:36	AR\AJ	Not Ok
8	Q2600-10	PS031094.D	17 Jul 2025 14:01	AR\AJ	Not Ok
9	Q2558-01MS	PS031095.D	17 Jul 2025 14:25	AR\AJ	Not Ok
10	Q2558-01MSD	PS031096.D	17 Jul 2025 14:49	AR\AJ	Not Ok
11	Q2600-02RE	PS031097.D	17 Jul 2025 15:13	AR\AJ	Not Ok
12	Q2558-03RE	PS031098.D	17 Jul 2025 16:16	AR\AJ	Not Ok
13	I.BLK	PS031099.D	17 Jul 2025 16:40	AR\AJ	Ok
14	HSTDCCC750	PS031100.D	17 Jul 2025 17:04	AR\AJ	Ok,M
15	PB168872BL	PS031101.D	17 Jul 2025 17:28	AR\AJ	Ok
16	PB168872BS	PS031102.D	17 Jul 2025 17:52	AR\AJ	Not Ok
17	Q2586-01	PS031103.D	17 Jul 2025 18:07	AR\AJ	Not Ok
18	Q2589-01	PS031104.D	17 Jul 2025 18:31	AR\AJ	ReRun
19	Q2558-03	PS031105.D	17 Jul 2025 19:13	AR\AJ	Ok
20	Q2600-02	PS031106.D	17 Jul 2025 19:37	AR\AJ	Ok
21	Q2600-06	PS031107.D	17 Jul 2025 20:01	AR\AJ	ReRun

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071725

Review By	Abdul	Review On	7/18/2025 8:57:21 AM		
Supervise By	mohammad	Supervise On	7/19/2025 3:21:08 AM		
SubDirectory	PS071725	HP Acquire Method		HP Processing Method	ps071125 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	Q2600-10	PS031108.D	17 Jul 2025 20:25	AR\AJ	Ok
23	I.BLK	PS031109.D	17 Jul 2025 20:49	AR\AJ	Ok
24	HSTDCCC750	PS031110.D	17 Jul 2025 21:13	AR\AJ	Ok,M
25	PB168886BL	PS031111.D	17 Jul 2025 21:38	AR\AJ	Ok
26	PB168886BS	PS031112.D	17 Jul 2025 22:02	AR\AJ	Not Ok
27	PB168847TB	PS031113.D	17 Jul 2025 22:26	AR\AJ	Not Ok
28	Q2592-02	PS031114.D	17 Jul 2025 22:50	AR\AJ	Ok
29	Q2592-02MS	PS031115.D	17 Jul 2025 23:14	AR\AJ	Ok,M
30	Q2592-02MSD	PS031116.D	17 Jul 2025 23:39	AR\AJ	Ok,M
31	Q2605-01	PS031117.D	18 Jul 2025 00:02	AR\AJ	Ok
32	Q2605-02	PS031118.D	18 Jul 2025 00:26	AR\AJ	Ok
33	Q2605-03	PS031119.D	18 Jul 2025 00:50	AR\AJ	Ok
34	Q2605-04	PS031120.D	18 Jul 2025 01:14	AR\AJ	Ok
35	Q2614-06	PS031121.D	18 Jul 2025 01:38	AR\AJ	Ok
36	I.BLK	PS031122.D	18 Jul 2025 02:02	AR\AJ	Ok
37	HSTDCCC750	PS031123.D	18 Jul 2025 02:27	AR\AJ	Ok,M

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	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	ReRun
9	Q2638-07	PS031186.D	23 Jul 2025 12:34	AR\AJ	ReRun
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 8:24:01 AM		
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,M
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,M
20	PB168926TB	PS031239.D	24 Jul 2025 21:04	AR\AJ	Ok,M
21	PB168953TB	PS031240.D	24 Jul 2025 21:29	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 8:24:01 AM		
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,M
23	I.BLK	PS031242.D	24 Jul 2025 22:17	AR\AJ	Ok,M
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	Not Ok
27	Q2667-01	PS031246.D	25 Jul 2025 00:41	AR\AJ	Not Ok
28	Q2667-02	PS031247.D	25 Jul 2025 01:05	AR\AJ	Not 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	Not Ok
33	HSTDCCC750	PS031252.D	25 Jul 2025 03:54	AR\AJ	Not Ok
34	Q2481-13 10X	PS031253.D	25 Jul 2025 04:18	AR\AJ	Not Ok
35	Q2481-14 10X	PS031254.D	25 Jul 2025 04:43	AR\AJ	Not Ok
36	Q2481-16 10X	PS031255.D	25 Jul 2025 05:07	AR\AJ	Not Ok
37	Q2481-17 10X	PS031256.D	25 Jul 2025 05:31	AR\AJ	Not Ok
38	Q2481-18 20X	PS031257.D	25 Jul 2025 05:55	AR\AJ	Not Ok
39	Q2481-20 10X	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

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071125

Review By	Abdul	Review On	7/14/2025 8:48:45 AM		
Supervise By	mohammad	Supervise On	7/15/2025 1:41:05 AM		
SubDirectory	PS071125	HP Acquire Method		HP Processing Method	ps061825 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	PS031004.D	11 Jul 2025 15:11		AR\AJ	Ok
2	I.BLK	I.BLK	PS031005.D	11 Jul 2025 15:35		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031006.D	11 Jul 2025 16:00		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS031007.D	11 Jul 2025 16:24		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS031008.D	11 Jul 2025 16:48		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031009.D	11 Jul 2025 17:12		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS031010.D	11 Jul 2025 17:36		AR\AJ	Ok,M
8	HSTDICV750	ICVPS071125	PS031011.D	11 Jul 2025 18:00		AR\AJ	Ok
9	I.BLK	I.BLK	PS031012.D	11 Jul 2025 18:25		AR\AJ	Ok,M
10	HSTDCCC750	HSTDCCC750	PS031013.D	11 Jul 2025 18:49		AR\AJ	Ok
11	Q2517-01RE	TP-14RE	PS031014.D	11 Jul 2025 20:01	Surrogate low in 2nd column	AR\AJ	Confirms
12	Q2514-10RE	TP-90RE	PS031015.D	11 Jul 2025 20:25	Surrogate low in 1st column	AR\AJ	Confirms
13	Q2493-01MS	WC-11MS	PS031016.D	11 Jul 2025 20:49	F Flag in comp#1 , Comp#14 not detected,Comp#9,10 recovery fail	AR\AJ	Not Ok
14	Q2493-01MSD	WC-11MSD	PS031017.D	11 Jul 2025 21:14	F Flag in comp#1 , Comp#14 not detected,Comp#9,10 recovery fail	AR\AJ	Not Ok
15	I.BLK	I.BLK	PS031018.D	11 Jul 2025 21:38		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS031019.D	11 Jul 2025 22:02		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071725

Review By	Abdul	Review On	7/18/2025 8:57:21 AM		
Supervise By	mohammad	Supervise On	7/19/2025 3:21:08 AM		
SubDirectory	PS071725	HP Acquire Method		HP Processing Method	ps071125 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	PS031087.D	17 Jul 2025 08:50		AR\AJ	Ok
2	I.BLK	I.BLK	PS031088.D	17 Jul 2025 09:14		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031089.D	17 Jul 2025 10:04	2,4-DB high 1st column	AR\AJ	Ok,M
4	Q2558-01	OU4-TS-Denali-070925	PS031090.D	17 Jul 2025 12:10		AR\AJ	Ok,M
5	Q2558-03	OU4-TS-Grillo-OG-070	PS031091.D	17 Jul 2025 12:35	Surrogate fail	AR\AJ	Not Ok
6	Q2600-02	TRENCH	PS031092.D	17 Jul 2025 13:12	Surrogate fail	AR\AJ	Not Ok
7	Q2600-06	STOCK-PILE	PS031093.D	17 Jul 2025 13:36	Surrogate fail	AR\AJ	Not Ok
8	Q2600-10	END-OF-TRENCH	PS031094.D	17 Jul 2025 14:01	Surrogate fail	AR\AJ	Not Ok
9	Q2558-01MS	OU4-TS-Denali-070925	PS031095.D	17 Jul 2025 14:25	some compound recovery fail , Surrogate low in 1st column, 2,4-DB high in ccal	AR\AJ	Not Ok
10	Q2558-01MSD	OU4-TS-Denali-070925	PS031096.D	17 Jul 2025 14:49	some compound recovery fail , Surrogate low in 1st column ,RPD Fail, 2,4-DB high in ccal	AR\AJ	Not Ok
11	Q2600-02RE	TRENCHRE	PS031097.D	17 Jul 2025 15:13		AR\AJ	Not Ok
12	Q2558-03RE	OU4-TS-Grillo-OG-070	PS031098.D	17 Jul 2025 16:16	Surrogate fail	AR\AJ	Not Ok
13	I.BLK	I.BLK	PS031099.D	17 Jul 2025 16:40		AR\AJ	Ok
14	HSTDCCC750	HSTDCCC750	PS031100.D	17 Jul 2025 17:04	Comp#13.15 high in 1st column	AR\AJ	Ok,M
15	PB168872BL	PB168872BL	PS031101.D	17 Jul 2025 17:28		AR\AJ	Ok
16	PB168872BS	PB168872BS	PS031102.D	17 Jul 2025 17:52	injection error	AR\AJ	Not Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071725

Review By	Abdul	Review On	7/18/2025 8:57:21 AM		
Supervise By	mohammad	Supervise On	7/19/2025 3:21:08 AM		
SubDirectory	PS071725	HP Acquire Method		HP Processing Method	ps071125 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	

17	Q2586-01	TP-16	PS031103.D	17 Jul 2025 18:07	F Flag in surrogate in 2nd column , Surrogate high in 2nd column	AR\AJ	Not Ok
18	Q2589-01	AU-06-071125	PS031104.D	17 Jul 2025 18:31	Surrogate low in 1st column	AR\AJ	ReRun
19	Q2558-03	OU4-TS-Grillo-OG-070	PS031105.D	17 Jul 2025 19:13		AR\AJ	Ok
20	Q2600-02	TRENCH	PS031106.D	17 Jul 2025 19:37		AR\AJ	Ok
21	Q2600-06	STOCK-PILE	PS031107.D	17 Jul 2025 20:01	Surrogate high in 1st column	AR\AJ	ReRun
22	Q2600-10	END-OF-TRENCH	PS031108.D	17 Jul 2025 20:25		AR\AJ	Ok
23	I.BLK	I.BLK	PS031109.D	17 Jul 2025 20:49		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS031110.D	17 Jul 2025 21:13	Comp#13,15 high in 1st column	AR\AJ	Ok,M
25	PB168886BL	PB168886BL	PS031111.D	17 Jul 2025 21:38		AR\AJ	Ok
26	PB168886BS	PB168886BS	PS031112.D	17 Jul 2025 22:02	RECOVERY FAIL.	AR\AJ	Not Ok
27	PB168847TB	PB168847TB	PS031113.D	17 Jul 2025 22:26	Surrogate high in 1st column	AR\AJ	Not Ok
28	Q2592-02	WC-SOIL-20250711	PS031114.D	17 Jul 2025 22:50		AR\AJ	Ok
29	Q2592-02MS	WC-SOIL-20250711MS	PS031115.D	17 Jul 2025 23:14	some compound recovery fail	AR\AJ	Ok,M
30	Q2592-02MSD	WC-SOIL-20250711MS	PS031116.D	17 Jul 2025 23:39	some compound recovery fail	AR\AJ	Ok,M
31	Q2605-01	V908	PS031117.D	18 Jul 2025 00:02		AR\AJ	Ok
32	Q2605-02	VB16135	PS031118.D	18 Jul 2025 00:26		AR\AJ	Ok
33	Q2605-03	VB15061	PS031119.D	18 Jul 2025 00:50		AR\AJ	Ok
34	Q2605-04	V897	PS031120.D	18 Jul 2025 01:14		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071725

Review By	Abdul	Review On	7/18/2025 8:57:21 AM		
Supervise By	mohammad	Supervise On	7/19/2025 3:21:08 AM		
SubDirectory	PS071725	HP Acquire Method		HP Processing Method	ps071125 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	

35	Q2614-06	HR-MCN-COMP-01	PS031121.D	18 Jul 2025 01:38		AR\AJ	Ok
36	I.BLK	I.BLK	PS031122.D	18 Jul 2025 02:02		AR\AJ	Ok
37	HSTDCCC750	HSTDCCC750	PS031123.D	18 Jul 2025 02:27	Comp#13,15 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 # 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	ReRun
9	Q2638-07	OU4-TS-34-071725	PS031186.D	23 Jul 2025 12:34	surrogate low in 1st column	AR\AJ	ReRun
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 8:24:01 AM		
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		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,M
18	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 8:24:01 AM		
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		PS031238.D	24 Jul 2025 20:40		AR\AJ	Ok,M
20	PB168926TB		PS031239.D	24 Jul 2025 21:04		AR\AJ	Ok,M
21	PB168953TB		PS031240.D	24 Jul 2025 21:29		AR\AJ	Ok,M
22	PB168969TB		PS031241.D	24 Jul 2025 21:53		AR\AJ	Ok,M
23	I.BLK		PS031242.D	24 Jul 2025 22:17		AR\AJ	Ok,M
24	HSTDCCC750		PS031243.D	24 Jul 2025 23:29		AR\AJ	Ok,M
25	Q2481-12		PS031244.D	24 Jul 2025 23:53	bad injection	AR\AJ	Not Ok
26	Q2481-15		PS031245.D	25 Jul 2025 00:17		AR\AJ	Not Ok
27	Q2667-01		PS031246.D	25 Jul 2025 00:41		AR\AJ	Not Ok
28	Q2667-02		PS031247.D	25 Jul 2025 01:05		AR\AJ	Not Ok
29	Q2481-19		PS031248.D	25 Jul 2025 01:29	bad injection, surrogate not detected	AR\AJ	Not Ok
30	Q2481-21		PS031249.D	25 Jul 2025 01:53	bad injection	AR\AJ	Not Ok
31	Q2446-03		PS031250.D	25 Jul 2025 02:18	bad injection	AR\AJ	Not Ok
32	I.BLK		PS031251.D	25 Jul 2025 02:42		AR\AJ	Not Ok
33	HSTDCCC750		PS031252.D	25 Jul 2025 03:54		AR\AJ	Not Ok
34	Q2481-13 10X		PS031253.D	25 Jul 2025 04:18	bad injection, surrogate not detected	AR\AJ	Not Ok
35	Q2481-14 10X		PS031254.D	25 Jul 2025 04:43	bad injection, surrogate not detected	AR\AJ	Not Ok
36	Q2481-16 10X		PS031255.D	25 Jul 2025 05:07	bad injection, surrogate not detected	AR\AJ	Not Ok

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Fax : 908 789 8922

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 8:24:01 AM		
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 10X		PS031256.D	25 Jul 2025 05:31	bad injection, surrogate not detected	AR\AJ	Not Ok
38	Q2481-18 20X		PS031257.D	25 Jul 2025 05:55	bad injection, surrogate not detected	AR\AJ	Not Ok
39	Q2481-20 10X		PS031258.D	25 Jul 2025 06:19	bad injection, surrogate not detected	AR\AJ	Not Ok
40	I.BLK		PS031259.D	25 Jul 2025 06:43		AR\AJ	Not Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
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: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2550-02	VNJ-203	1	1.13	10.33	11.46	10.67	92.4	
Q2550-03	VNJ-203-E2	2	1.16	10.18	11.34	10.36	90.4	
Q2555-01	OU4-TS-29-070925	3	1.18	10.34	11.52	8.84	74.1	
Q2555-03	OU4-TS-30-070925	4	1.14	10.85	11.99	9.45	76.6	
Q2556-01	RT3997	5	1.16	10.62	11.78	10.4	87.0	
Q2557-01	OILY SPILL DEBRIS	6	1.00	1.00	2.00	2.00	100.0	debris
Q2558-01	OU4-TS-Denali-070925	7	1.15	10.60	11.75	9.59	79.6	
Q2558-03	OU4-TS-Grillo-OG-070925	8	1.19	10.63	11.82	9.56	78.7	
Q2559-01	500-3B CONCRETE CHIP	9	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2559-02	500-3B CONCRETE CHIP-EPH	10	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2560-01	LP-7102025	11	1.14	9.97	11.11	9.53	84.2	
Q2560-02	LP-7102025-EPH-2	12	1.19	10.36	11.55	10.07	85.7	
Q2560-03	LP-7102025-VOC	13	1.13	10.68	11.81	10.11	84.1	
Q2561-03	AUD-25-0115-0116	14	1.14	10.21	11.35	11.07	97.3	
Q2561-04	AUD-25-0067	15	1.17	10.34	11.51	10.88	93.9	
Q2561-05	AUD-25-0117	16	1.15	10.84	11.99	11.85	98.7	
Q2564-01	ARS20-0030	17	1.18	10.66	11.84	11.32	95.1	
Q2564-02	ARS20-0030-E2	18	1.19	10.47	11.66	11.00	93.7	
Q2564-03	ARS20-0013	19	1.13	10.70	11.83	10.87	91.0	
Q2564-04	ARS20-0013-E2	20	1.15	10.81	11.96	10.82	89.5	
Q2564-05	ARS20-0039	21	1.14	10.39	11.53	10.2	87.2	
Q2564-06	ARS20-0039-E2	22	1.13	10.64	11.77	11.09	93.6	
Q2565-02	MOO-25-0194-0195	23	1.14	10.11	11.25	9.82	85.9	
Q2565-03	MOO-25-0191	24	1.00	1.00	2.00	2.00	100.0	debris
Q2565-04	MOO-25-0196	25	1.19	10.56	11.75	9.2	75.9	
Q2565-05	MOO-25-0180	26	1.13	10.69	11.82	11.4	96.1	
Q2571-01	TP-18	27	1.15	10.82	11.97	11.71	97.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
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: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2571-02	TP-18 EPH	28	1.14	10.85	11.99	11.44	94.9	
Q2571-03	TP-18 VOC	29	1.18	10.59	11.77	10.45	87.5	
Q2571-05	TP-17	30	1.15	10.88	12.03	10.72	88.0	
Q2571-06	TP-17-EPH	31	1.15	11.16	12.31	11.1	89.2	
Q2571-07	TP-17-VOC	32	1.14	10.85	11.99	10.9	90.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WB6427

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2550-02	VNJ-203	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2550-03	VNJ-203-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2555-01	OU4-TS-29-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2555-03	OU4-TS-30-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2556-01	RT3997	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/10/2025	Chemtech -SO
Q2557-01	OILY SPILL DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2558-01	OU4-TS-Denali-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2559-01	500-3B CONCRETE CHIP	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2559-02	500-3B CONCRETE CHIP-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2560-01	LP-7102025	Solid	Percent Solids	Cool 4 deg C	PSEG03		07/10/2025	Chemtech -SO
Q2560-02	LP-7102025-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2560-03	LP-7102025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2561-03	AUD-25-0115-0116	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-04	AUD-25-0067	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-05	AUD-25-0117	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2564-01	ARS20-0030	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-02	ARS20-0030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-03	ARS20-0013	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-04	ARS20-0013-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-05	ARS20-0039	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 : 15:10

Raw Sample Received by: R (WC)

Raw Sample Relinquished by: [signature]

Date/Time 07/10/25 17:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: R (WC)

VB 136427

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2564-06	ARS20-0039-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2565-02	MOO-25-0194-0195	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-03	MOO-25-0191	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-04	MOO-25-0196	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-05	MOO-25-0180	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2571-01	TP-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-02	TP-18 EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-03	TP-18 VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-05	TP-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-06	TP-17-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-07	TP-17-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 15:10

Raw Sample Received by: WC

Raw Sample Relinquished by:

Date/Time 07/10/25 17:20

Raw Sample Received by:

Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168872

SOP ID:	M8151A-Herbicide-23				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/16/2025
Matrix :	Solid			**Extraction Start Time :**	08:25
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	07/16/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	15:55
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	3,4,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24654
Surrogate	1.0ML	5000 PPB	PP24653
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	E3950
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
7/16/25	RS (Ext Lab)	Y.P. POSHPCB
16:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168872

Analytical Method: M8151A-Herbicide-23

Concentration Date: 07/16/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168872BL	HBLK872	Herbicide Group1	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168872BS	HLCS872	Herbicide Group1	30.02	N/A	ritesh	Evelyn	10			2
Q2558-01	OU4-TS-DENALI-070925	Herbicide Group1	30.05	N/A	ritesh	Evelyn	10	E		3
Q2558-01MS	OU4-TS-DENALI-070925 MS	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		4
Q2558-01MSD	OU4-TS-DENALI-070925 MSD	Herbicide Group1	30.08	N/A	ritesh	Evelyn	10	E		5
Q2558-03	OU4-TS-GRILLO-OG-070925	Herbicide Group1	30.02	N/A	ritesh	Evelyn	10	E		6
Q2586-01	TP-16	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		U3-1
Q2589-01	AU-06-071125	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		2

RS
7/16

* **Extracts relinquished on the same date as received.**

Q2558-Herbicide Group1

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2589 **WorkList ID :** 190755 **Department :** Extraction **Date :** 07-16-2025 08:20:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2558-01	OU4-TS-Denali-070925	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/09/2025	8151A
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/09/2025	8151A
Q2586-01	TP-16	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/11/2025	8151A
Q2589-01	AU-06-071125	Solid	Herbicide	Cool 4 deg C	PSEG05	D31	07/11/2025	8151A

366 of 568

Date/Time 07/16/25 8:20
Raw Sample Received by: RJ (Ecl-Lab)
Raw Sample Relinquished by: JD (SM)

Date/Time 07/16/25 8:40
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (Ecl-Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2558

Test : Herbicide Group1

Prepbatch ID : PB168872,

Sequence ID/Qc Batch ID: ps071725,PS072325,ps072425,

Standard ID :
EP2621,EP2626,PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560,PP24561,PP24562,PP24653,PP24654,

Chemical ID :
E3551,E3881,E3933,E3940,E3941,E3949,E3951,E3954,M6151,M6157,P11183,P11184,P11185,P11186,P12620,P12630,P12689,P12710,P13543,P13544,P13545,P13546,P13971,P13976,P8829,

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Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
601	Acidified Sodium Sulphate 2	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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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1456	200 PPB Herb MIX STD	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

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
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
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP24653	06/18/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/23/2025

FROM 1.25000ml of P11184 + 1.25000ml of P11185 + 1.25000ml of P11186 + 1.25000ml of P13976 + 195.00000ml of E3941 = Final Quantity: 200.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24654	06/18/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/23/2025

FROM 1.25000ml of P13543 + 1.25000ml of P13544 + 1.25000ml of P13545 + 1.25000ml of P13546 + 95.00000ml of E3940 = Final Quantity: 100.000 ml

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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3941

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

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-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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-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	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	12/18/2025	06/18/2025 / Abdul	11/01/2021 / Abdul	P11184

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	A0172864	12/18/2025	06/18/2025 / Abdul	11/01/2021 / Abdul	P11185

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	12/18/2025	06/18/2025 / Abdul	11/01/2021 / Abdul	P11186

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12620

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A192429	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32059 / Herbicide Mix#3 (Methyl Ester), 20000 ug/ml	A0199844	11/12/2025	05/12/2025 / Abdul	07/24/2023 / Abdul	P12689

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	08/12/2025	05/12/2025 / Abdul	08/09/2023 / Abdul	P12710

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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-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

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

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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	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

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	12/18/2025	06/18/2025 / Abdul	04/02/2025 / Abdul	P13976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32254 / Dalapon Methyl Ester, 1000 ug/ml	A0148063	11/12/2025	05/12/2025 / Abdul	08/16/2019 / Stephen	P8829

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by 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 - Quality Control Supervisor - Bridgewater

E 3881

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3933

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 6/11/25

E3940

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

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	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian - Quality Control Manager - Fair Lawn

Recd. by RI on 6/11/25

E3941

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.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Reed on 7/2/25

E3949

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

RS 7/14/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3954

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R-> 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

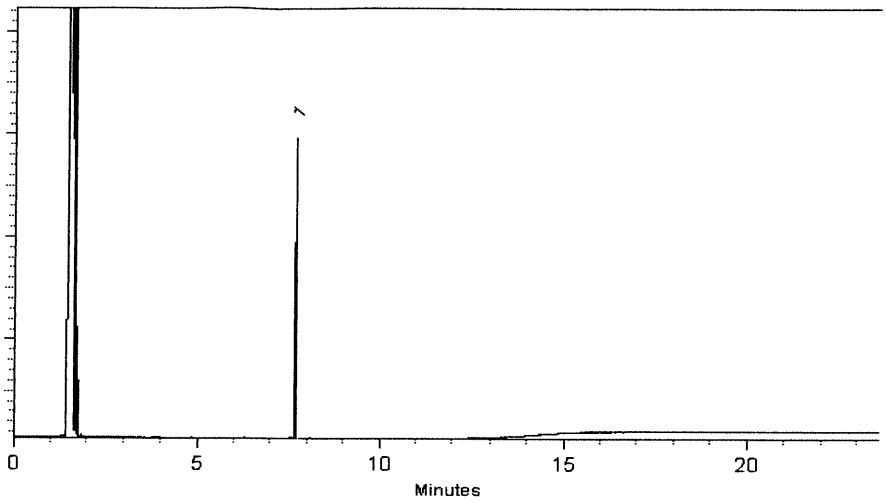
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 111177 to P 111186

AR 11/02/21

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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%

P11177
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AR
11/02/21

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

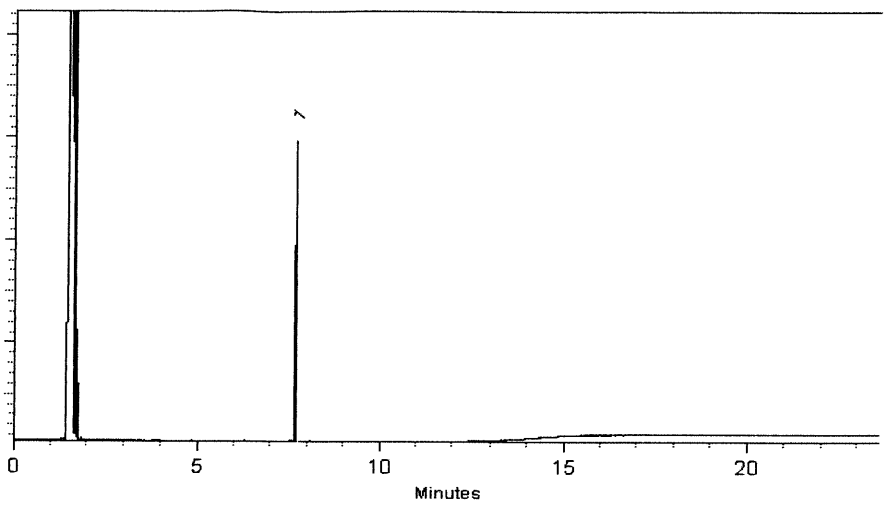
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** 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
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P111186

AR
11/02/21

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

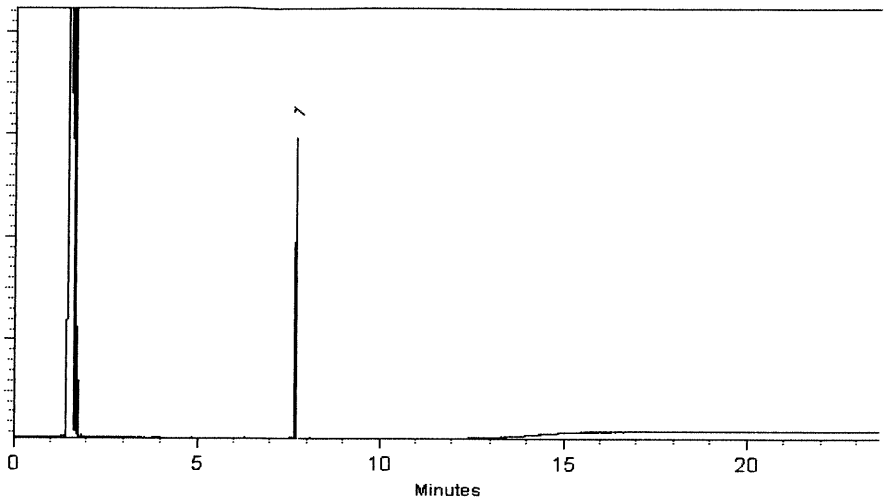
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 111177 to P 111186

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** 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
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P111186

AR
11/02/21

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

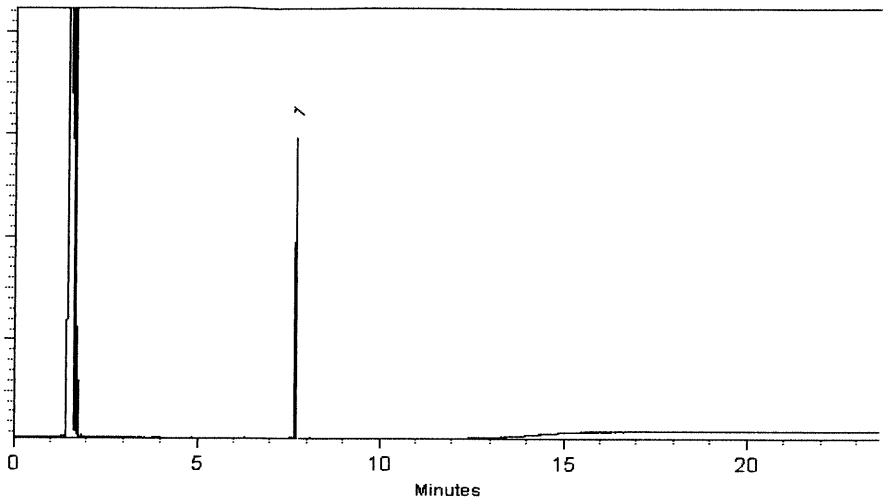
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 111177 to P 111186

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Testing Laboratory
Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** 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
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P111186

AR
11/02/21

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12616 (S) → P12620 7/5/2023

Catalog No. : 32062 **Lot No.:** A0155055

Description : Herbicide Mix #4/ME (Methyl Ester)

Herbicide Mix #4/ME (Methyl Ester) 200µg/mL, Hexane/Methyl-tert-butyl-ether, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	3,5-Dichlorobenzoic acid methyl ester **CAS #** 2905-67-1 (Lot 3903900) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
2	4-Nitroanisole **CAS #** 100-17-4 (Lot 24765/7) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
3	Pentachloroanisole **CAS #** 1825-21-4 (Lot 7921100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
4	Chloramben methyl ester **CAS #** 7286-84-2 (Lot 6487100) **Purity** 98%	199.9 µg/mL	+/- 1.4176 µg/mL +/- 6.7480 µg/mL +/- 6.7480 µg/mL	Gravimetric Unstressed Stressed
5	Bentazon methyl ester **CAS #** 61592-45-8 (Lot 817100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed
6	Picloram methyl ester **CAS #** 14143-55-6 (Lot 386-21B) **Purity** 98%	201.9 µg/mL	+/- 1.4315 µg/mL +/- 6.8141 µg/mL +/- 6.8141 µg/mL	Gravimetric Unstressed Stressed
7	DCPA methyl ester (Chlorthal-dimethyl) **CAS #** 1861-32-1 (Lot 8008700) **Purity** 99%	200.0 µg/mL	+/- 1.4182 µg/mL +/- 6.7507 µg/mL +/- 6.7507 µg/mL	Gravimetric Unstressed Stressed

8	Acifluorfen methyl ester		200.0	µg/mL	+/-	1.4182	µg/mL	Gravimetric
	CAS # 50594-67-7	(Lot 6282300)			+/-	6.7507	µg/mL	Unstressed
	Purity 99%				+/-	6.7507	µg/mL	Stressed

Solvent: Hexane/Methyl-tert-butyl-ether
CAS # 110-54-3/1634-04-4
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

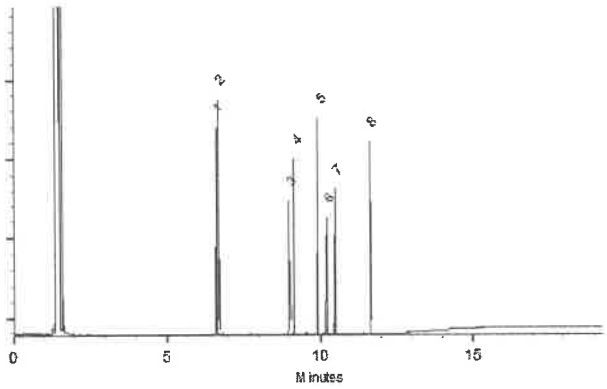
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael J Maye

Justine Albertson - Operations Tech-ARM QC

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Date Passed: 18-Nov-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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.

P12626 (5) - P12630

7/5/2023

Catalog No. : 32055 **Lot No.:** A0192429

Description : Herbicide Mix #1/ME (Methyl Ester)

Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	11705400	99%	201.6 µg/mL	+/- 3.4204
2	Dichlorprop methyl ester	57153-17-0	11672100	99%	201.4 µg/mL	+/- 3.4170
3	2,4-D methyl ester	1928-38-7	10048000	99%	201.2 µg/mL	+/- 3.4136
4	2,4,5-TP (silvex) methyl ester	4841-20-7	6364900	99%	201.2 µg/mL	+/- 3.4136
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	200.7 µg/mL	+/- 3.4052
6	Dinoseb methyl ether	6099-79-2	12914300	99%	200.8 µg/mL	+/- 3.4068
7	2,4-DB methyl ester	18625-12-2	12542000	99%	201.0 µg/mL	+/- 3.4102

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

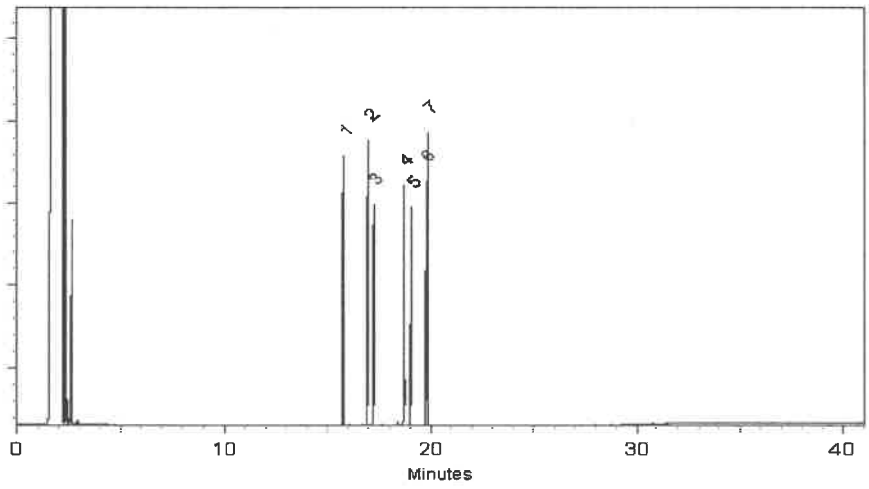
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 09-Dec-2022 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 12-Dec-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 12685 ↓ P 12689 (S)

7/24/23

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)

Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

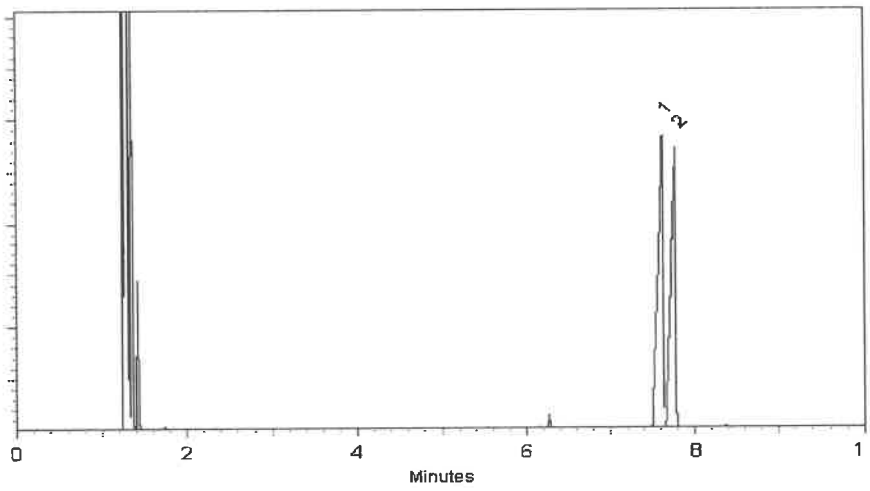
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Agilent

Trusted Answers

P12706 ↓ P12715 (10)

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Product Number: HBM-8151M-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006752480

Lot Issue Date: 18-Jul-2023

Expiration Date: 31-Aug-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen methyl ester	100.3	±	0.5 µg/mL	050594-67-7	RM03058
bentazon methyl derivative	100.2	±	0.5 µg/mL	061592-45-8	RM13829
chloramben methyl ester	100.4	±	0.5 µg/mL	007286-84-2	RM03055
2,4-D methyl ester	100.2	±	0.5 µg/mL	001928-38-7	RM03040
dalapon methyl ester	100.4	±	0.5 µg/mL	017640-02-7	RM14219
2,4-DB methyl ester	100.2	±	0.5 µg/mL	018625-12-2	RM03029
DCPA	100.2	±	0.5 µg/mL	001861-32-1	RM13426
dicamba methyl ester	100.4	±	0.5 µg/mL	006597-78-0	RM03039
methyl-3,5-dichlorobenzoate	100.1	±	0.5 µg/mL	002905-67-1	RM03048
dichlorprop methyl ester	100.4	±	0.5 µg/mL	057153-17-0	NT02086
dinoseb methyl ether	100.5	±	0.5 µg/mL	006099-79-2	RM03051
MCPA methyl ester	10031	±	50 µg/mL	002436-73-9	RM12863
MCPP methyl ester	10031	±	50 µg/mL	023844-56-6	RM20060
4-nitroanisole	100.3	±	0.5 µg/mL	000100-17-4	RM02806
pentachloroanisole	100.4	±	0.5 µg/mL	001825-21-4	RM02457
picloram methyl ester	100.2	±	0.5 µg/mL	014143-55-6	RM03044
silvex methyl ester	100.2	±	0.5 µg/mL	004841-20-7	RM03799
2,4,5-T methyl ester	100.4	±	0.5 µg/mL	001928-37-6	RM03033

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Agilent

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Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20ºC to 25ºC immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

P12706 (10)
↓
P12715

8.15.23

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Chlorinated Herbicides Standard	**Lot Number:**	0006810955
Product Number:	HBM-8151A-1	**Lot Issue Date:**	20-Aug-2024
Storage Conditions:	Store at Room Temperature (15° to 30°C).	**Expiration Date:**	30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541 ↓ P13561 (20)

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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9/25/2024

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)

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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:
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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 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

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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:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541 ↓ P13561 (20)

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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9/25/2024

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

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.)

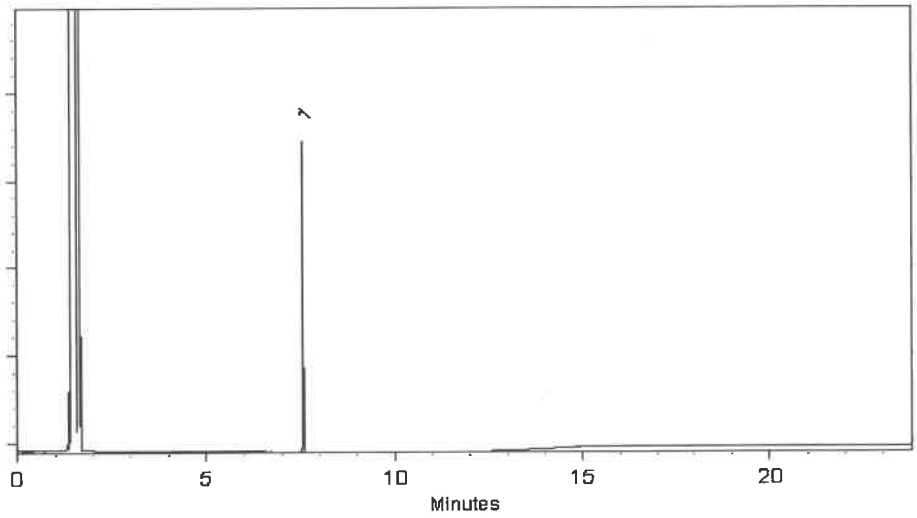
Inj. Temp:
250°C

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

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.)

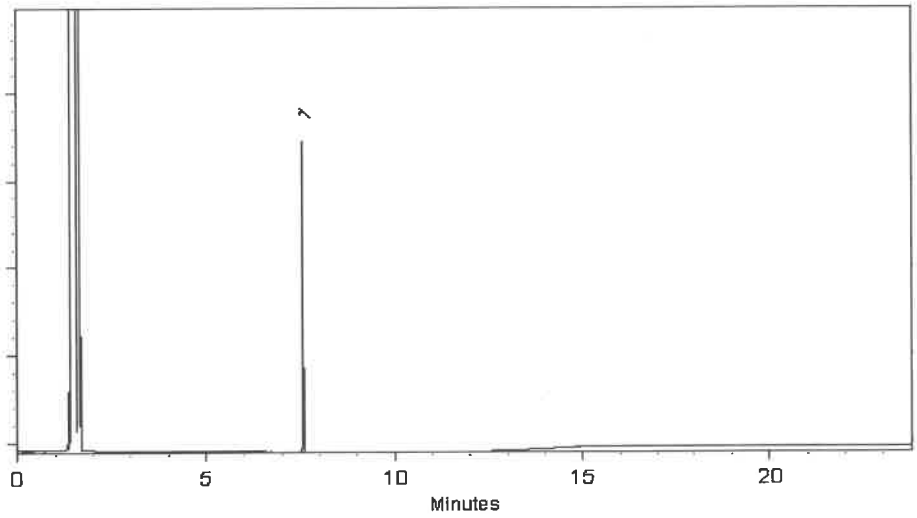
Inj. Temp:
250°C

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by SG on 8/16/19
P8828
P8826

Catalog No. : 32254 **Lot No.:** A0148063

Description : Dalapon methyl ester Standard

Dalapon methyl ester 1000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dalapon methyl ester **CAS #** 17640-02-7 (Lot 1764600) **Purity** 98%	999.6 µg/mL	+/- 10.0697 µg/mL +/- 34.4896 µg/mL +/- 34.4896 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

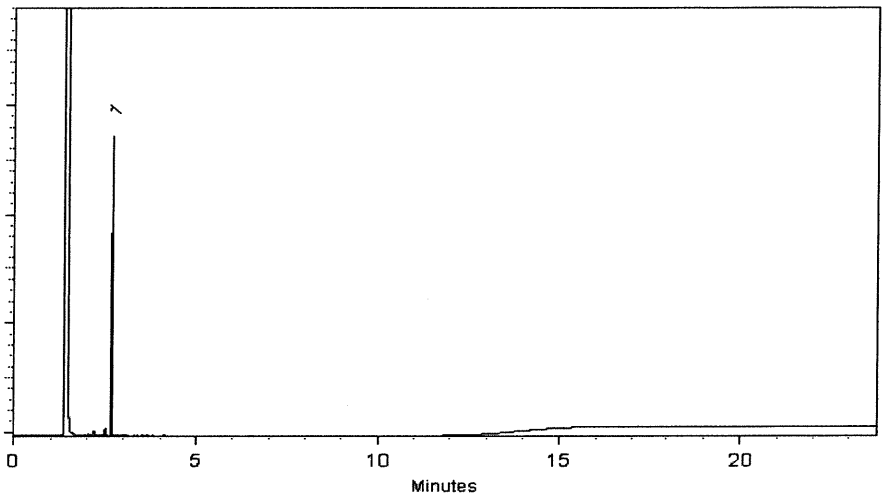
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2019 **Balance:** 1127510105

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 2558

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

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-Denali-070925	7/9/25	11:15	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-OG-070925	7/9/25	11:30	G	SO		3	2	1				X	X	X	X	X	X	X	X	X

[2] Preservation Code

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 7/9/25 1200
Received by: (signature)	Date/Time: 7/10/25 1000
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:

Lt Cont #1 4.3 -1

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q2558 NOBI03	**Order Date :**	7/10/2025 11:16:00 AM	**Project Mgr :**	
Client Name :	Nobis Group	**Project Name :**	Raymark Superfund Site	**Report Type :**	Level 4
Client Contact :	Adam Roy	**Receive DateTime :**	7/10/2025 10:00:00 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
Q2558-01	OU4-TS-Denali-070925	Solid	07/09/2025	11:15					
					VOCMS Group3		8260D		~~10~~ Bus. Days 5
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	07/09/2025	11:30					
					VOCMS Group3		8260D		~~10~~ Bus. Days 5

Relinguished By : Ad

Date / Time : 7/10/25 1305

Received By : Sam

Date / Time : 07/10/25 13:05

Storage Area : **VOA Refridgerator Room**

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:00
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 14 03:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.333	7.769	868.3E6	251.6E6	231.179	255.689
	Target Compounds						
1) T	Dalapon	2.699	2.707	1359.2E6	617.1E6	234.829	227.615
2) T	3,5-DICHL...	6.494	6.716	1194.0E6	350.5E6	239.542	238.175
3) T	4-Nitroph...	7.134	7.304	287.7E6	359.3E6	223.294	214.127
5) T	DICAMBA	7.522	7.970	3524.3E6	1373.6E6	234.582	219.396
6) T	MCPP	7.700	8.065	153.7E6	38941915	16.629	18.218
7) T	MCPA	7.850	8.313	193.7E6	62375962	18.027	19.647
8) T	DICHLORPROP	8.234	8.691	779.7E6	349.8E6	241.890	242.016
9) T	2,4-D	8.468	9.028	668.7E6	386.9E6	228.056	239.199
10) T	Pentachlo...	8.773	9.550	12014.7E6	8612.5E6	235.540	226.008
11) T	2,4,5-TP ...	9.353	9.932	3940.1E6	3271.1E6	216.622	230.772
12) T	2,4,5-T	9.649	10.359	3069.2E6	3091.2E6	206.998	228.467
13) T	2,4-DB	10.228	10.928	436.6E6	268.4E6	209.069	238.332
14) T	DINOSEB	11.441	11.310	2709.5E6	2482.1E6	211.237	227.323
15) T	Picloram	11.264	12.425	2682.2E6	4609.1E6	187.392	197.690
16) T	DCPA	11.736	12.355	5033.6E6	4982.0E6	215.340	227.114

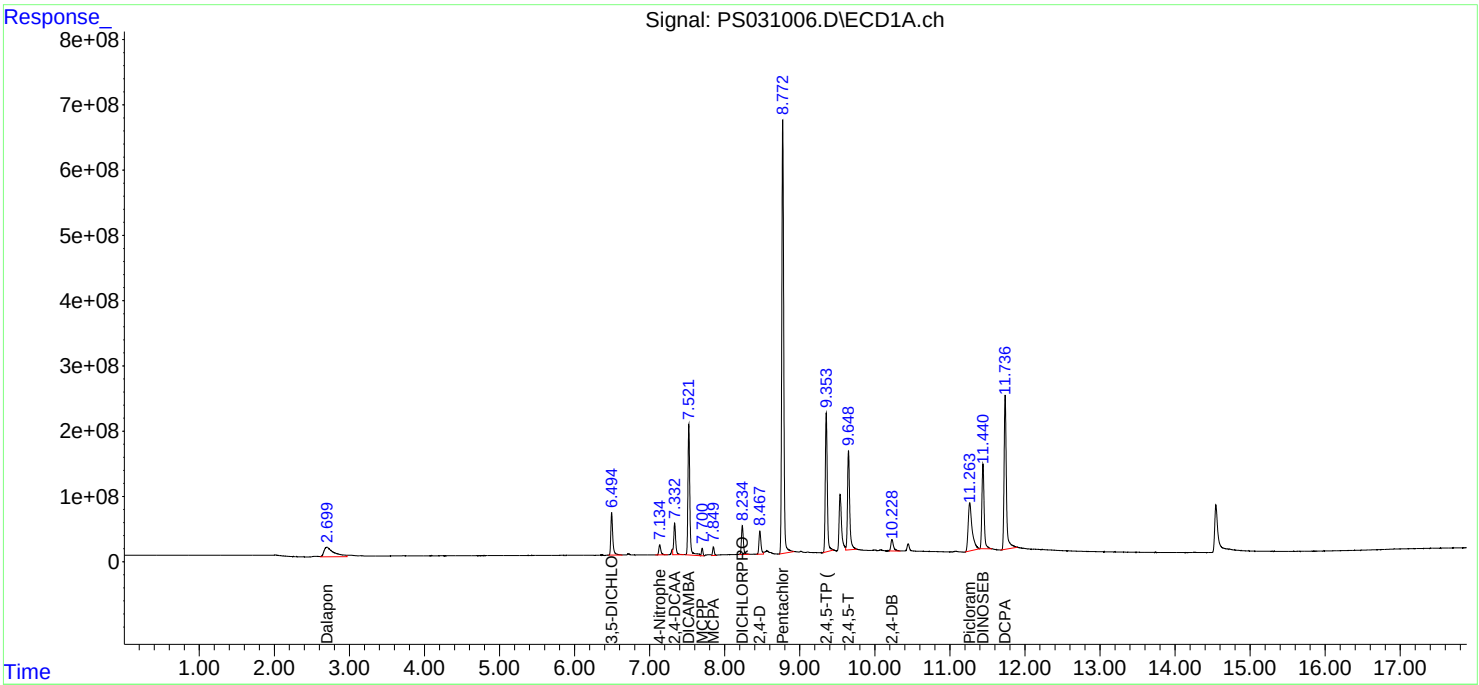
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

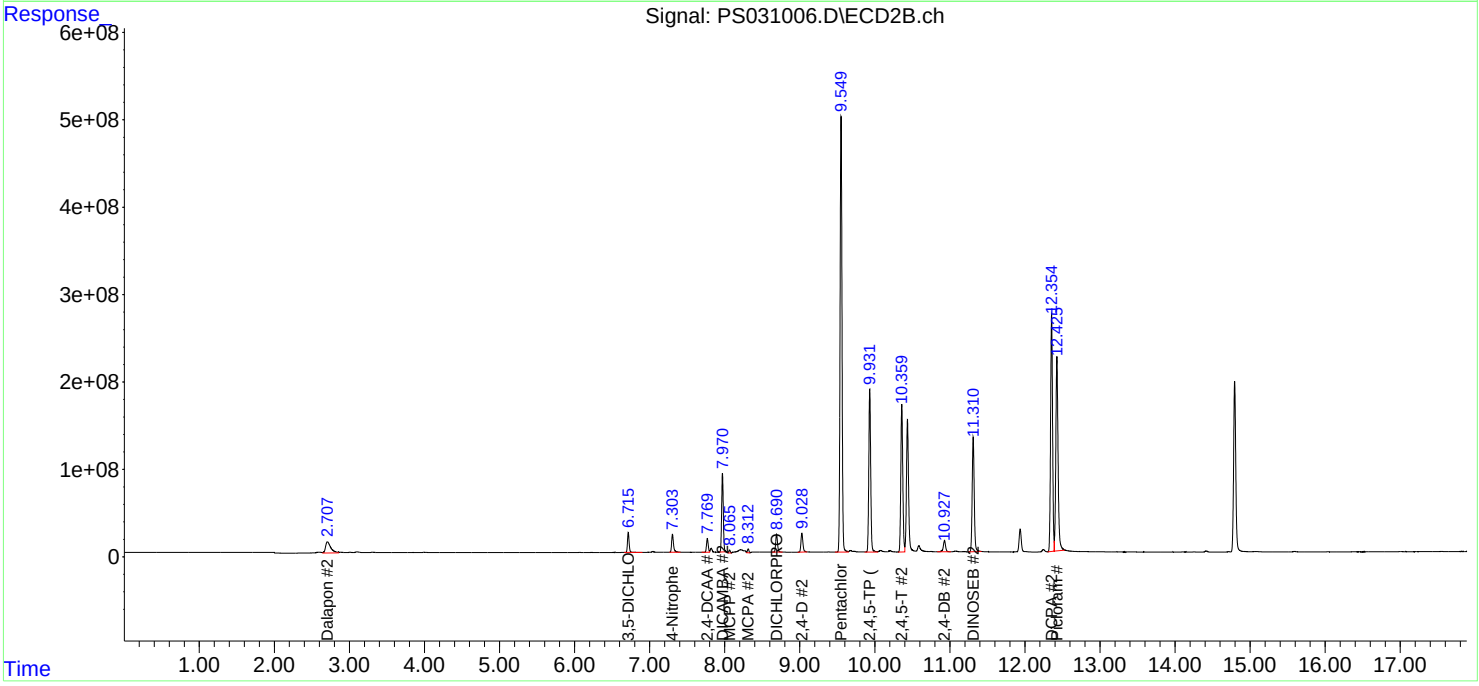
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:00
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

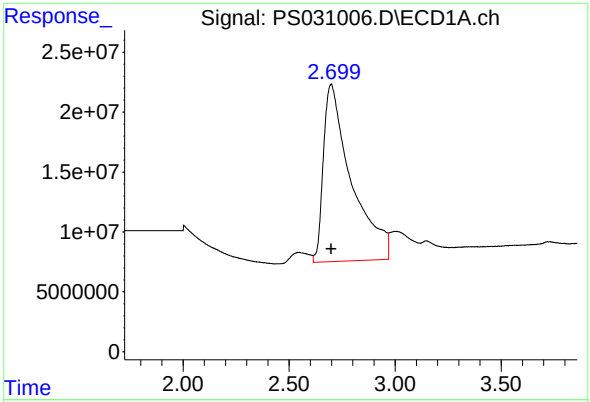
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



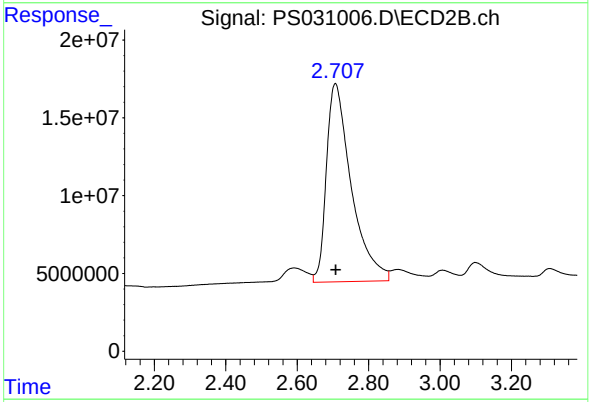




#1 Dalapon

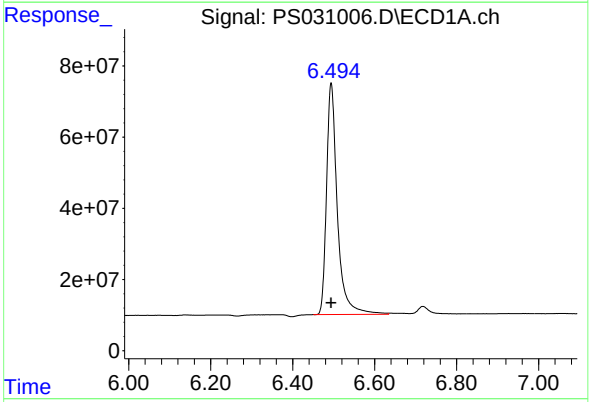
R.T.: 2.699 min
Delta R.T.: 0.001 min
Response: 1359186439
Conc: 234.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



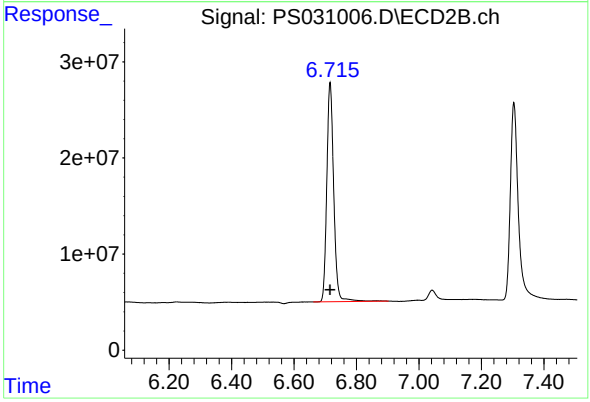
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: -0.001 min
Response: 617105162
Conc: 227.61 ng/ml



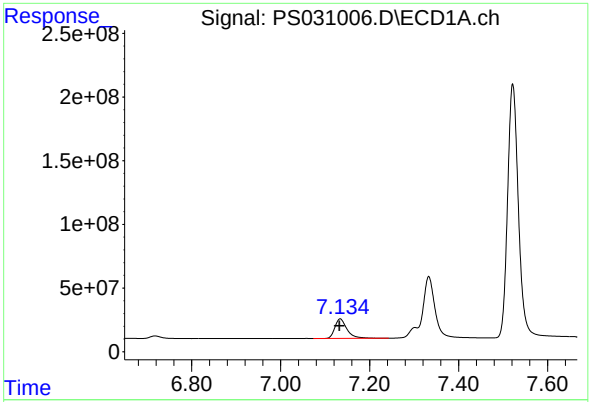
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 1193971988
Conc: 239.54 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

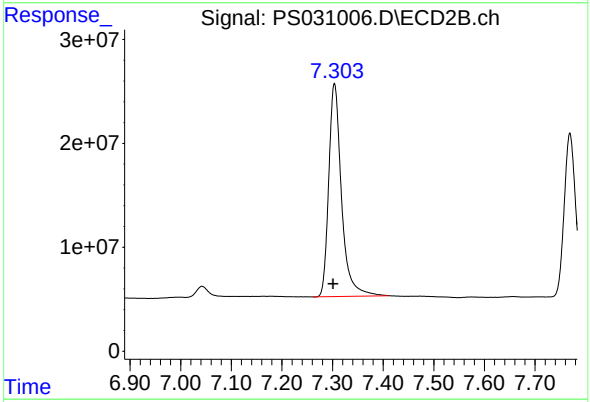
R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 350541032
Conc: 238.18 ng/ml



#3 4-Nitrophenol

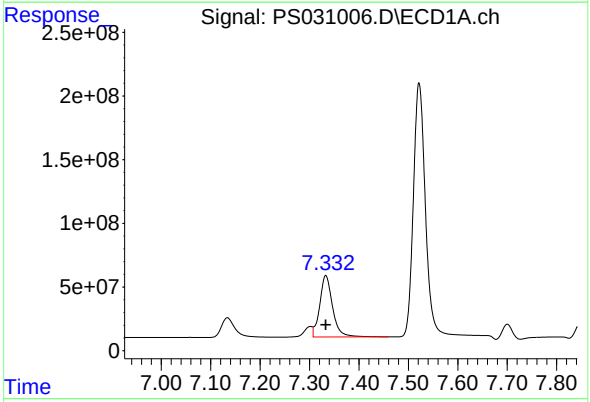
R.T.: 7.134 min
Delta R.T.: 0.002 min
Response: 287711185
Conc: 223.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



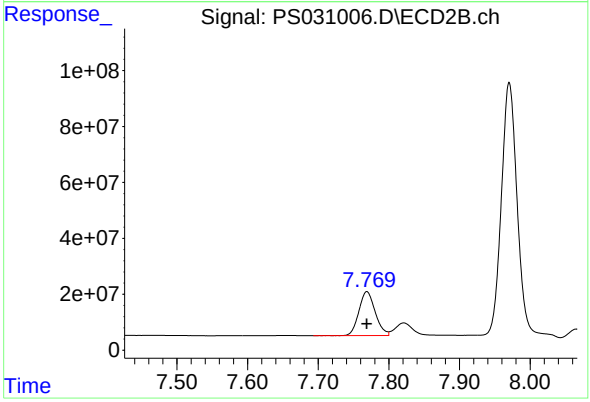
#3 4-Nitrophenol

R.T.: 7.304 min
Delta R.T.: 0.003 min
Response: 359307351
Conc: 214.13 ng/ml



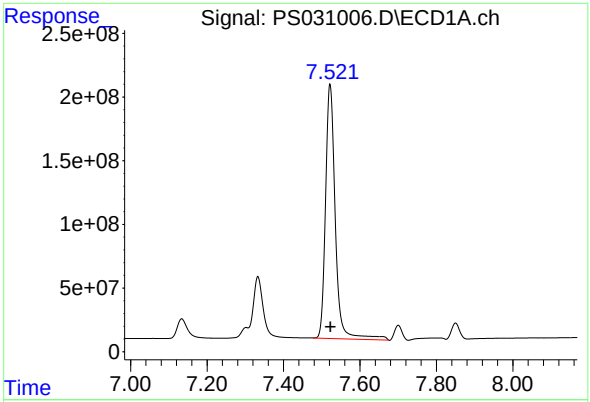
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 868296438
Conc: 231.18 ng/ml



#4 2,4-DCAA

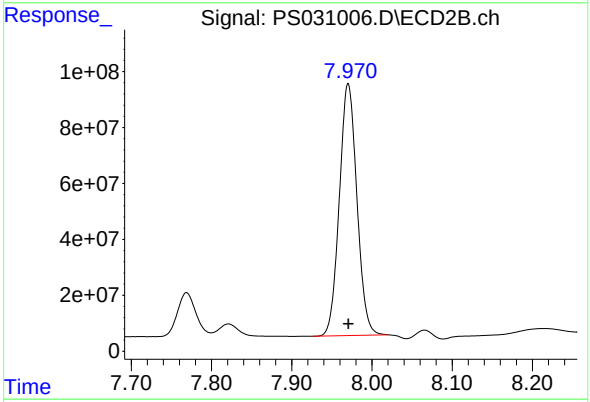
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 251615771
Conc: 255.69 ng/ml



#5 DICAMBA

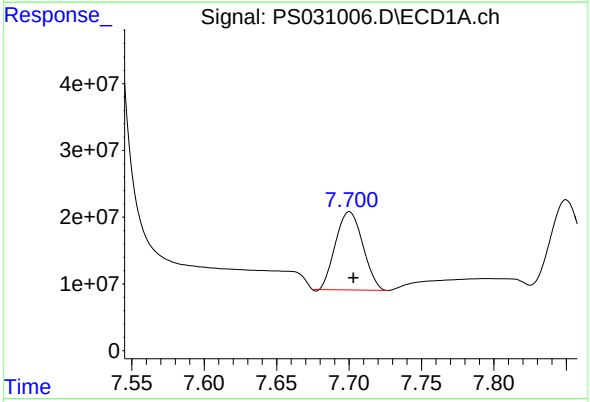
R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 3524272011
Conc: 234.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



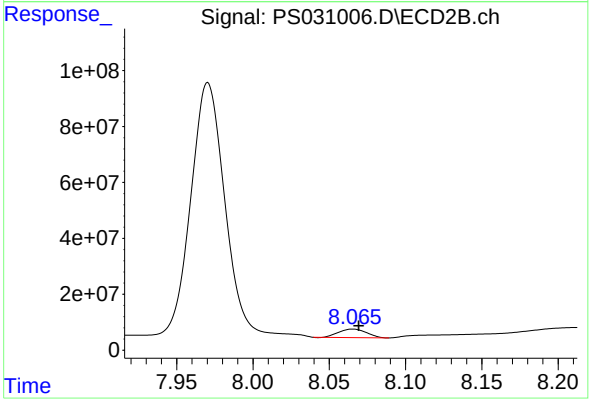
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 1373645814
Conc: 219.40 ng/ml



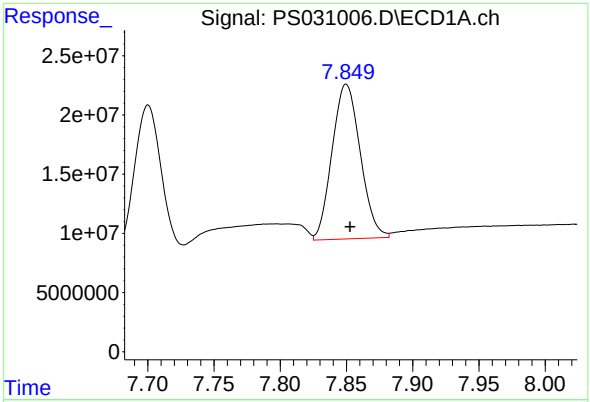
#6 MCPP

R.T.: 7.700 min
Delta R.T.: -0.003 min
Response: 153699251
Conc: 16.63 ug/ml



#6 MCPP

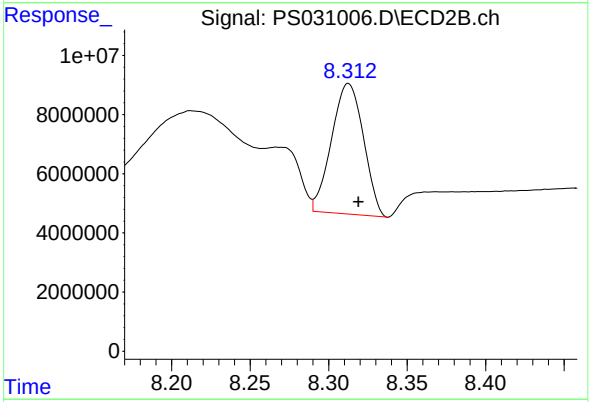
R.T.: 8.065 min
Delta R.T.: -0.004 min
Response: 38941915
Conc: 18.22 ug/ml



#7 MCPA

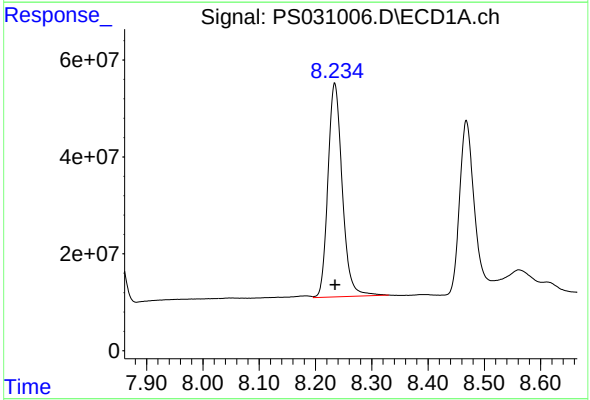
R.T.: 7.850 min
Delta R.T.: -0.003 min
Response: 193732588
Conc: 18.03 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



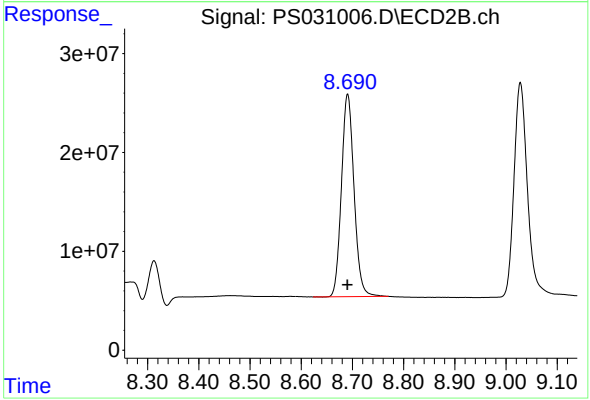
#7 MCPA

R.T.: 8.313 min
Delta R.T.: -0.006 min
Response: 62375962
Conc: 19.65 ug/ml



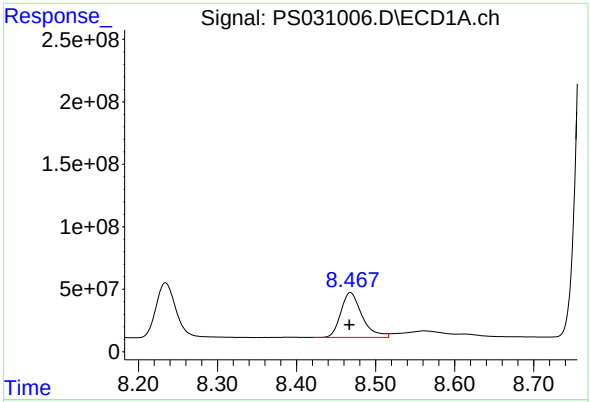
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 779694303
Conc: 241.89 ng/ml



#8 DICHLORPROP

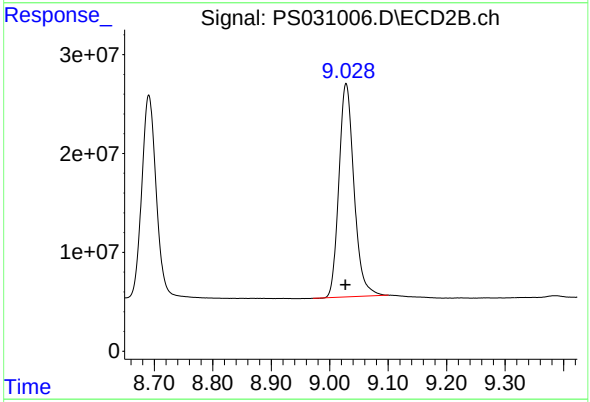
R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 349808770
Conc: 242.02 ng/ml



#9 2,4-D

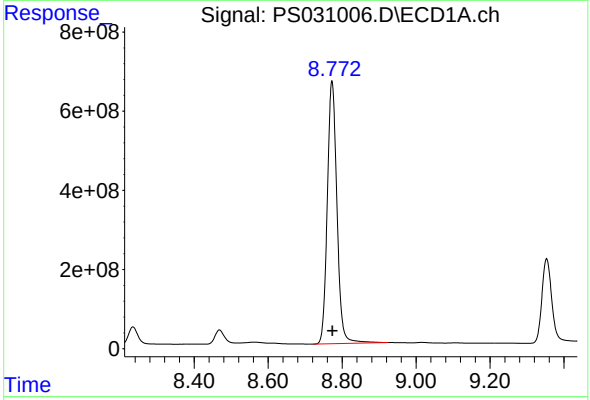
R.T.: 8.468 min
Delta R.T.: 0.001 min
Response: 668654376
Conc: 228.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



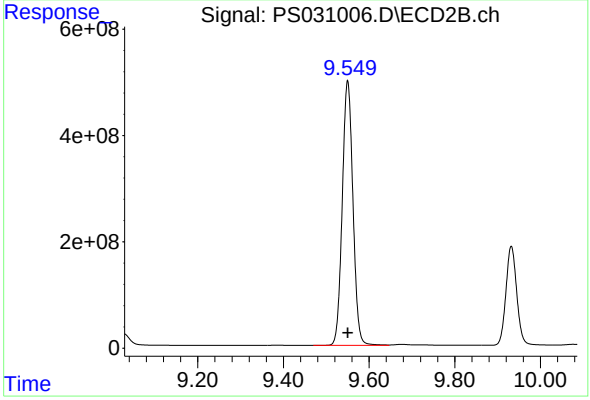
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: 0.001 min
Response: 386915116
Conc: 239.20 ng/ml



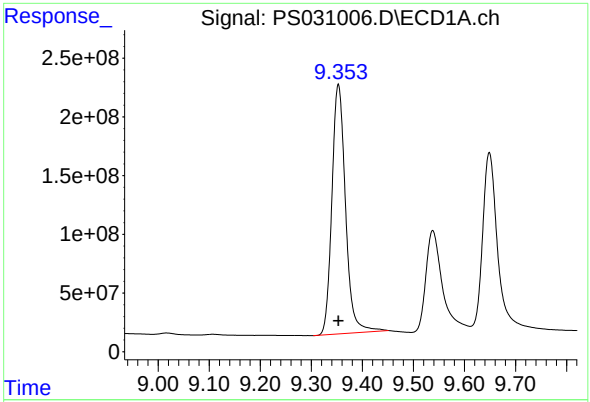
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 12014689664
Conc: 235.54 ng/ml



#10 Pentachlorophenol

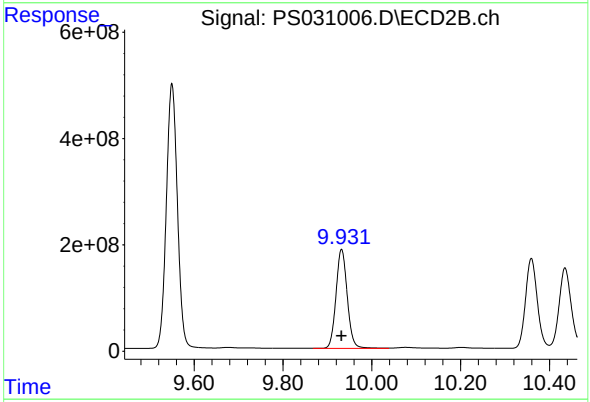
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 8612460446
Conc: 226.01 ng/ml



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

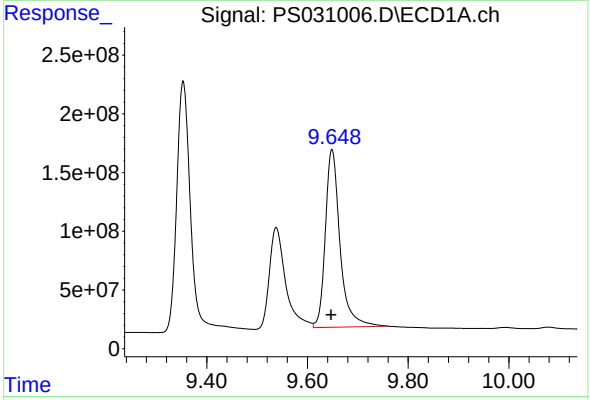
R.T.: 9.353 min
Delta R.T.: 0.000 min
Response: 3940122747
Conc: 216.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



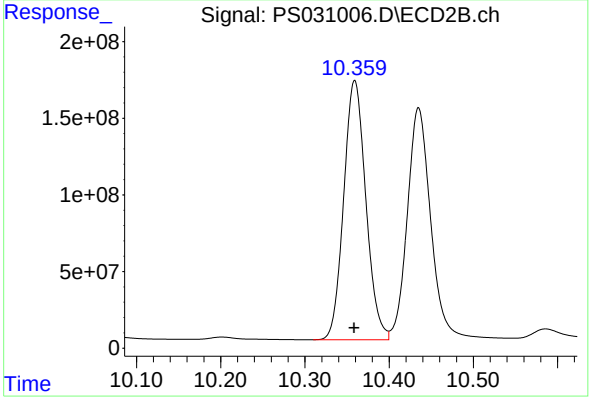
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 3271094233
Conc: 230.77 ng/ml



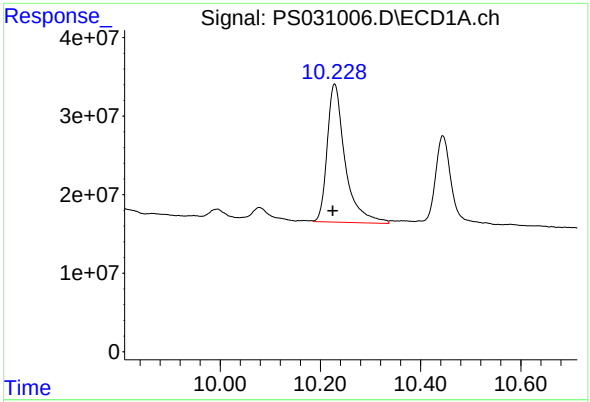
#12 2,4,5-T

R.T.: 9.649 min
Delta R.T.: 0.002 min
Response: 3069196711
Conc: 207.00 ng/ml



#12 2,4,5-T

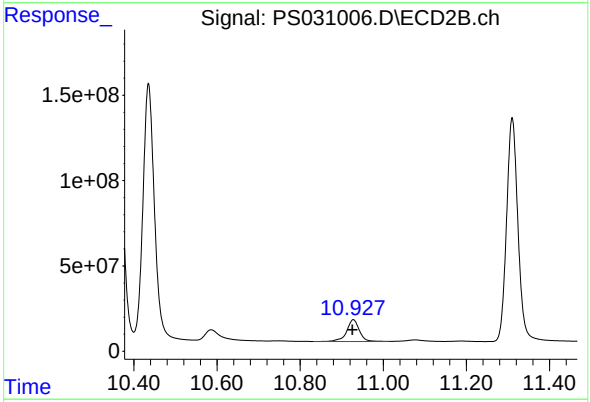
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 3091192979
Conc: 228.47 ng/ml



#13 2,4-DB

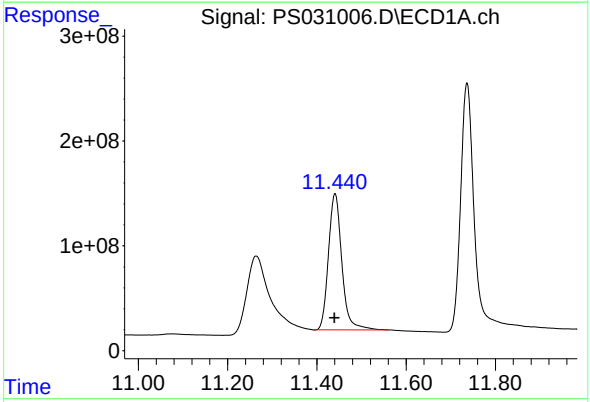
R.T.: 10.228 min
Delta R.T.: 0.003 min
Response: 436606607
Conc: 209.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



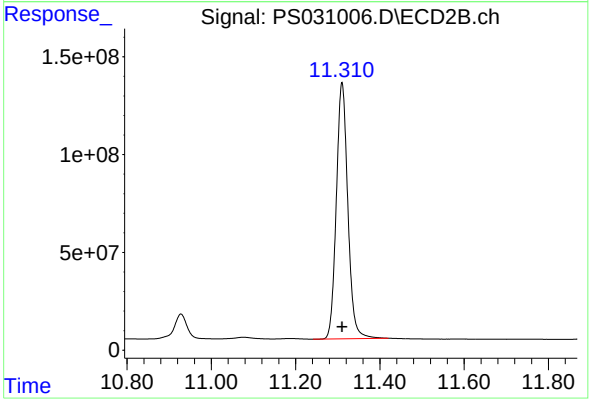
#13 2,4-DB

R.T.: 10.928 min
Delta R.T.: 0.002 min
Response: 268373751
Conc: 238.33 ng/ml



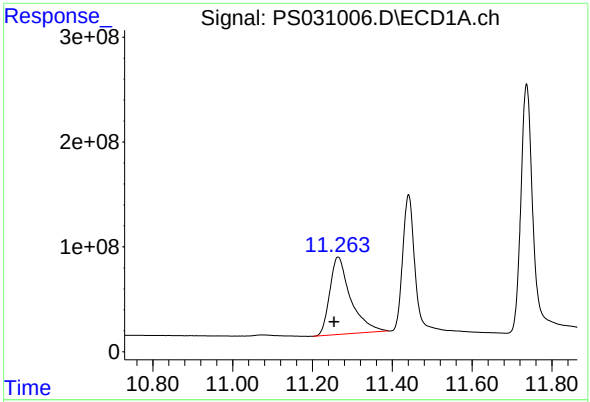
#14 DINOSEB

R.T.: 11.441 min
Delta R.T.: 0.002 min
Response: 2709546271
Conc: 211.24 ng/ml



#14 DINOSEB

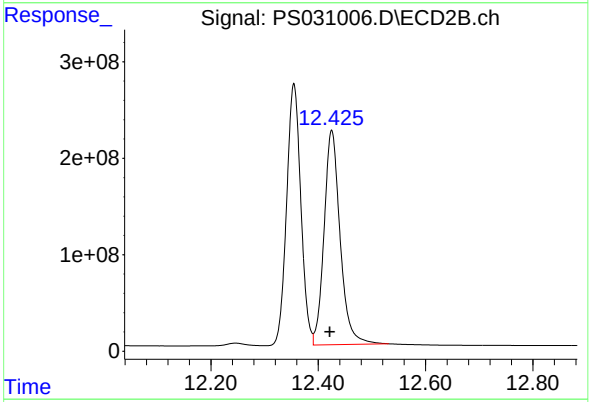
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 2482059801
Conc: 227.32 ng/ml



#15 Picloram

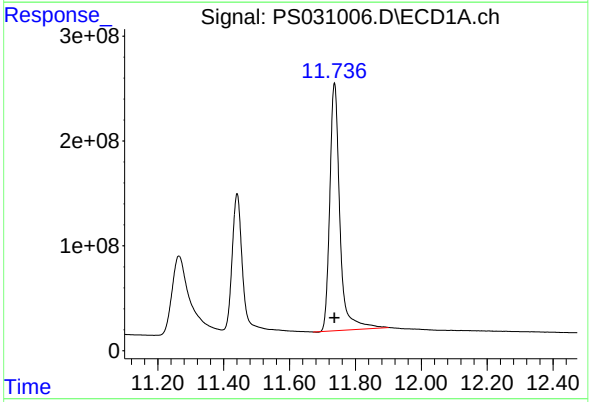
R.T.: 11.264 min
Delta R.T.: 0.010 min
Response: 2682223503
Conc: 187.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



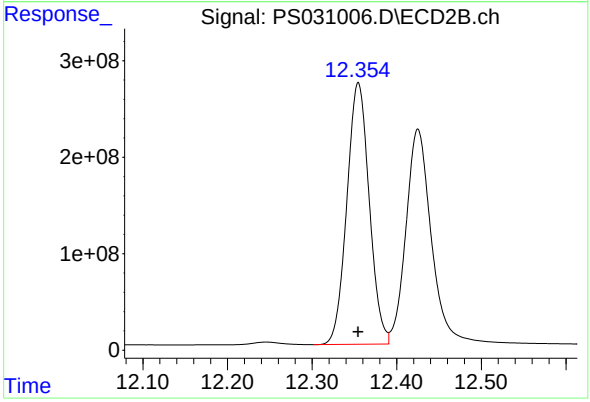
#15 Picloram

R.T.: 12.425 min
Delta R.T.: 0.004 min
Response: 4609145956
Conc: 197.69 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 5033620239
Conc: 215.34 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 4982016021
Conc: 227.11 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:24
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 14 03:15:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.333	7.769	1727.7E6	505.6E6	459.988	513.825
	Target Compounds						
1) T	Dalapon	2.695	2.706	2710.6E6	1273.1E6	468.306	469.589
2) T	3,5-DICHL...	6.494	6.715	2408.8E6	699.2E6	483.265	475.046
3) T	4-Nitroph...	7.133	7.302	604.5E6	764.7E6	469.192	455.711
5) T	DICAMBA	7.522	7.971	7262.3E6	2954.3E6	483.393	471.852
6) T	MCPP	7.701	8.067	405.3E6	97457930	43.845	45.592
7) T	MCPA	7.851	8.316	473.4E6	143.2E6	44.051	45.117
8) T	DICHLORPROP	8.234	8.690	1564.2E6	700.8E6	485.278	484.884
9) T	2,4-D	8.467	9.028	1402.6E6	782.6E6	478.366	483.834
10) T	Pentachlo...	8.773	9.550	25005.5E6	18493.4E6	490.216	485.303
11) T	2,4,5-TP ...	9.352	9.931	8678.6E6	6892.6E6	477.136	486.265
12) T	2,4,5-T	9.647	10.359	6951.4E6	6538.4E6	468.828	483.243
13) T	2,4-DB	10.225	10.926	970.0E6	546.9E6	464.473	485.707
14) T	DINOSEB	11.438	11.310	5994.7E6	5205.5E6	467.344	476.757
15) T	Picloram	11.256	12.422	6552.3E6	10862.6E6	457.775	465.908
16) T	DCPA	11.736	12.354	11264.6E6	10701.1E6	481.906	487.830

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

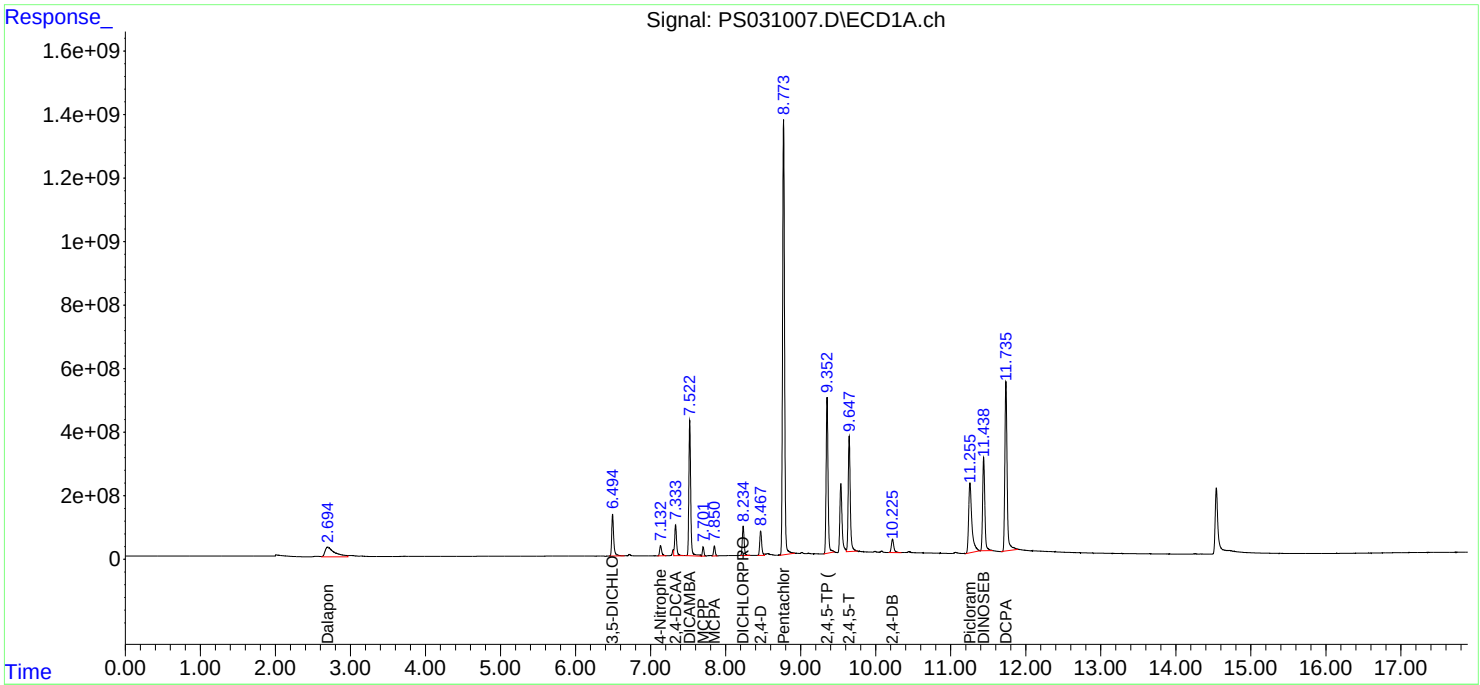
Quantitation Report (Not Reviewed)

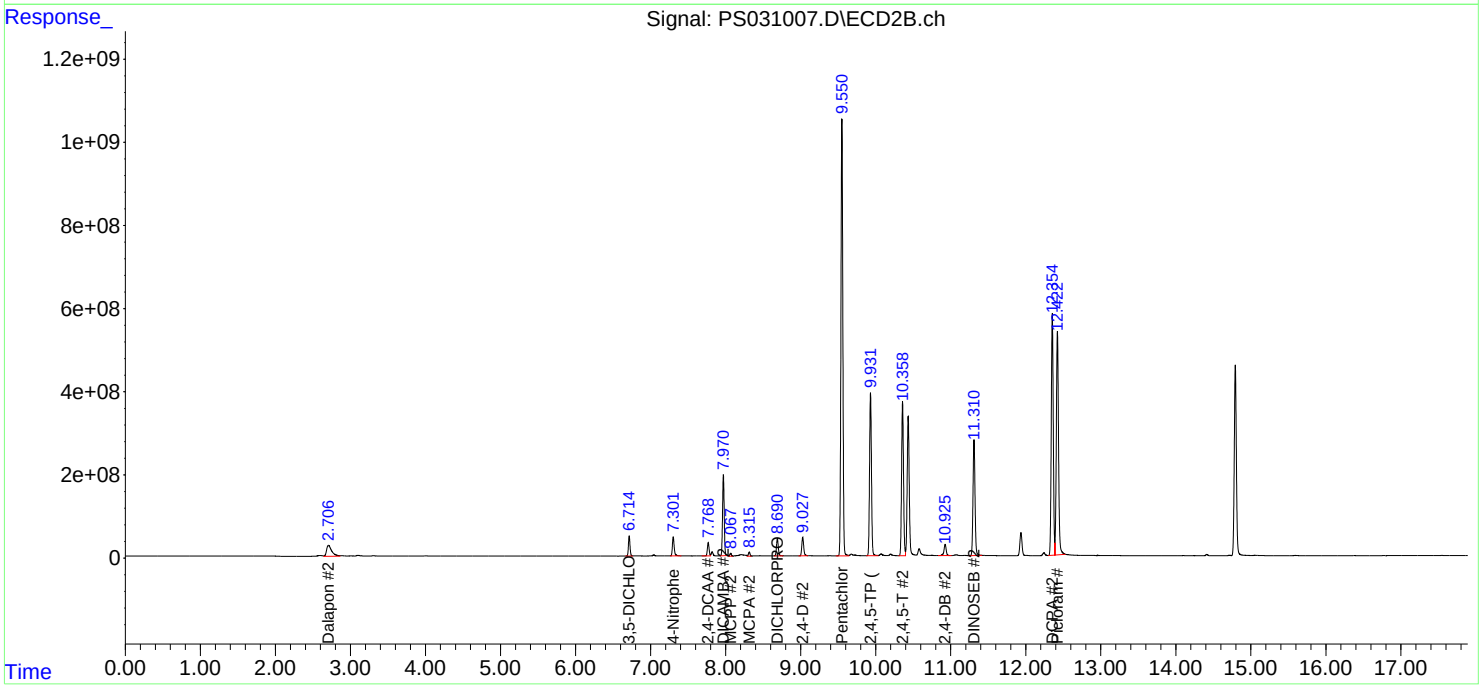
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:24
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

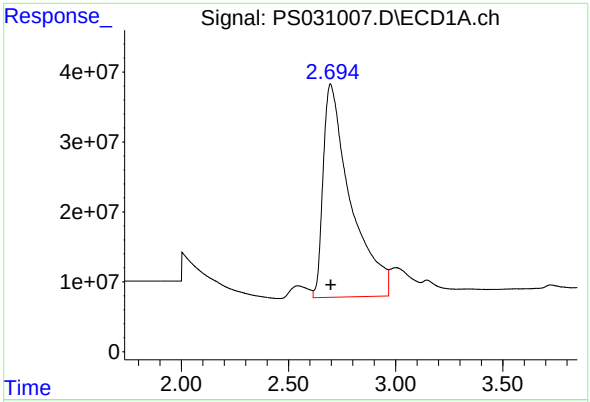
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



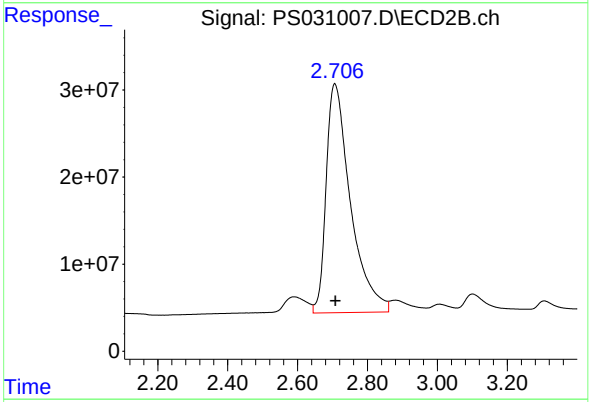




#1 Dalapon

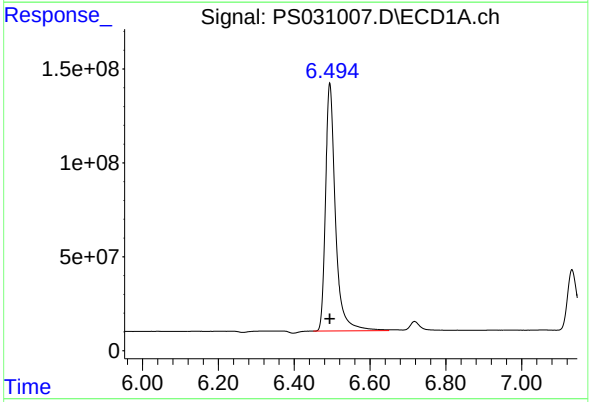
R.T.: 2.695 min
Delta R.T.: -0.003 min
Response: 2710551692
Conc: 468.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



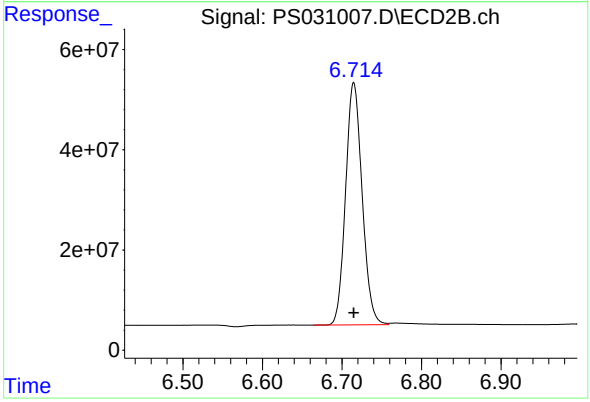
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: -0.002 min
Response: 1273143119
Conc: 469.59 ng/ml



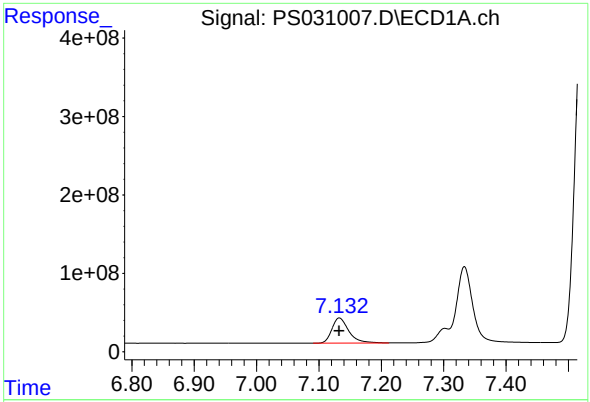
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.494 min
Delta R.T.: 0.000 min
Response: 2408780023
Conc: 483.27 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

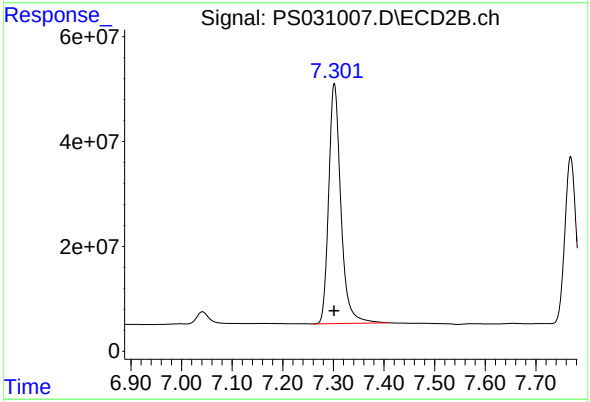
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 699162962
Conc: 475.05 ng/ml



#3 4-Nitrophenol

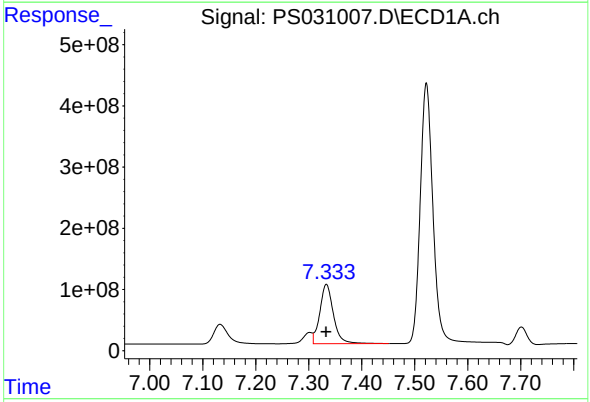
R.T.: 7.133 min
Delta R.T.: 0.000 min
Response: 604547873
Conc: 469.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



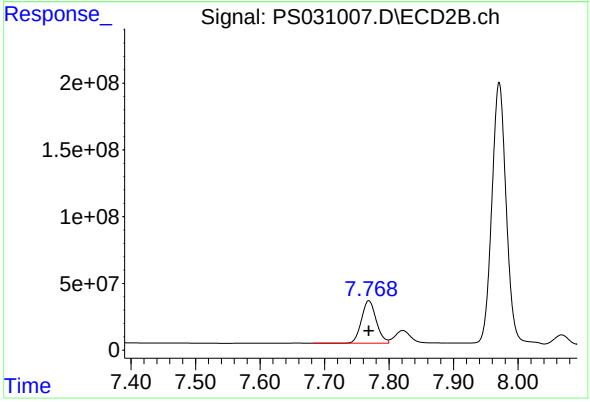
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.000 min
Response: 764689174
Conc: 455.71 ng/ml



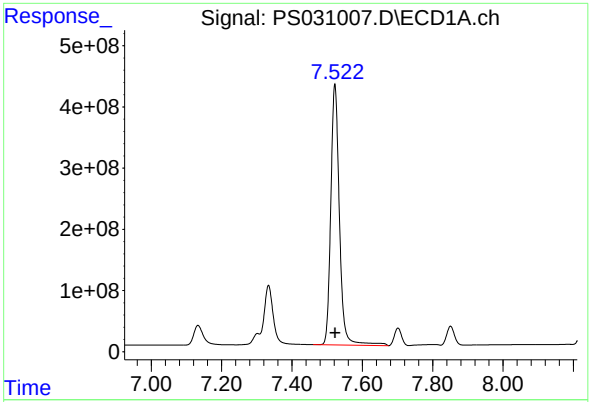
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 1727695059
Conc: 459.99 ng/ml



#4 2,4-DCAA

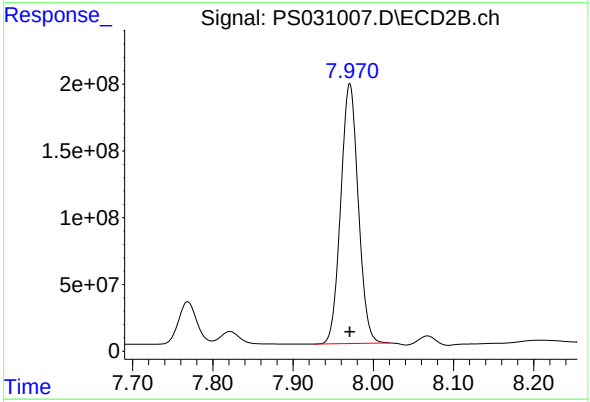
R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 505640178
Conc: 513.82 ng/ml



#5 DICAMBA

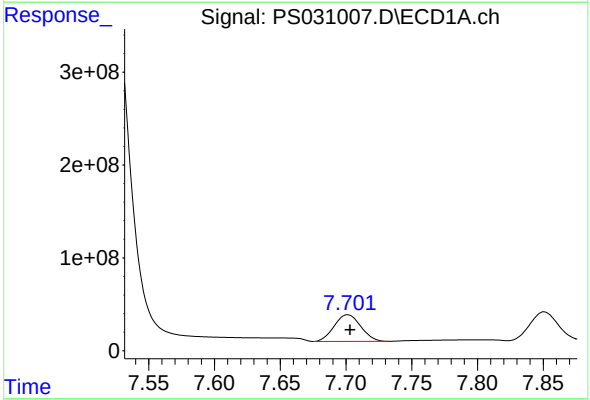
R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 7262329980
Conc: 483.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



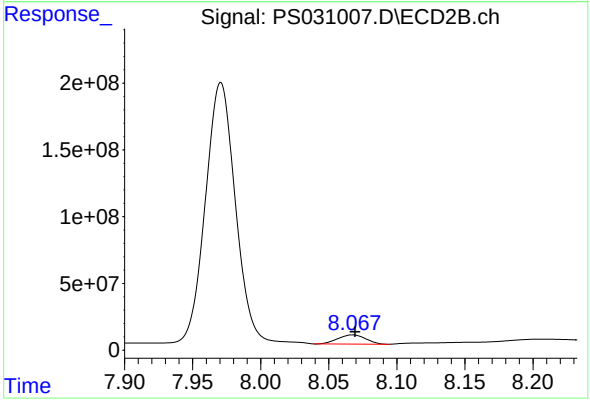
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 2954281766
Conc: 471.85 ng/ml



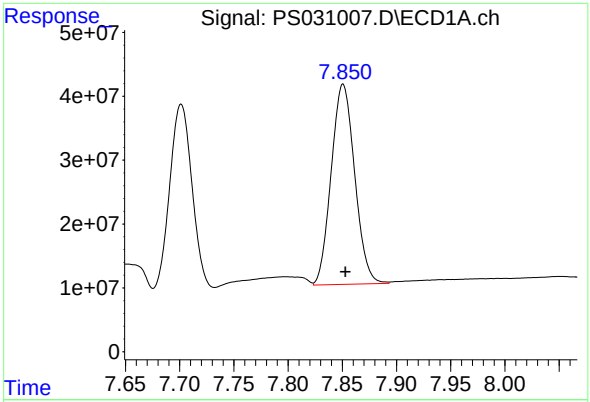
#6 MCPP

R.T.: 7.701 min
Delta R.T.: -0.002 min
Response: 405254028
Conc: 43.85 ug/ml



#6 MCPP

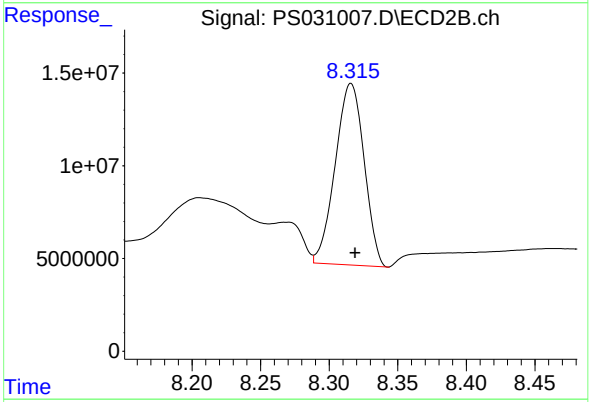
R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 97457930
Conc: 45.59 ug/ml



#7 MCPA

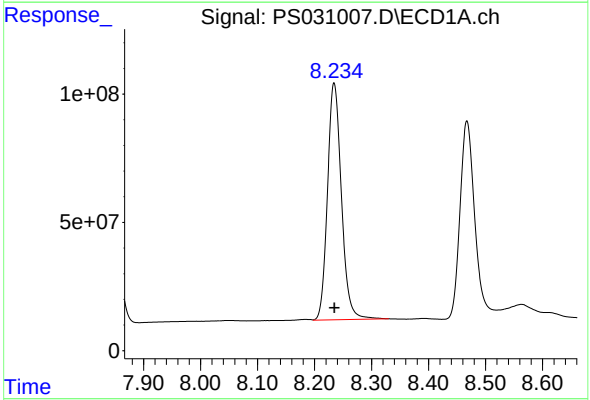
R.T.: 7.851 min
Delta R.T.: -0.002 min
Response: 473399368
Conc: 44.05 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



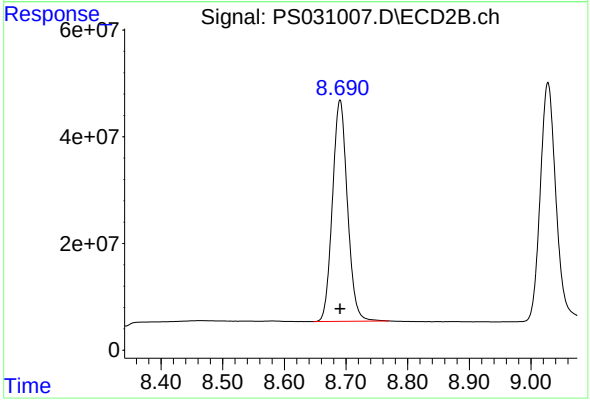
#7 MCPA

R.T.: 8.316 min
Delta R.T.: -0.003 min
Response: 143236463
Conc: 45.12 ug/ml



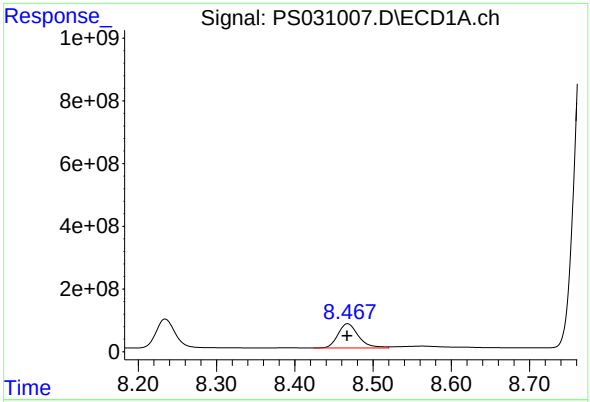
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 1564216081
Conc: 485.28 ng/ml



#8 DICHLORPROP

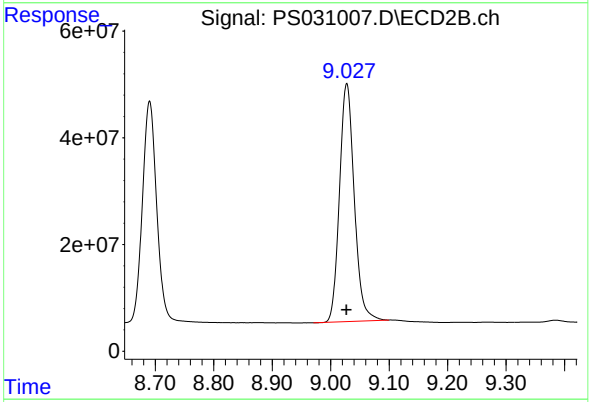
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 700848755
Conc: 484.88 ng/ml



#9 2,4-D

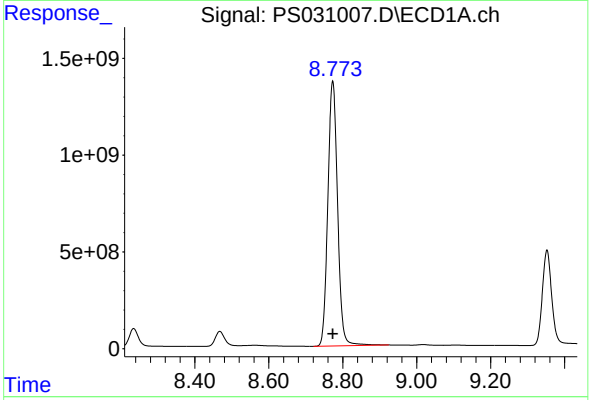
R.T.: 8.467 min
Delta R.T.: 0.000 min
Response: 1402561111
Conc: 478.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



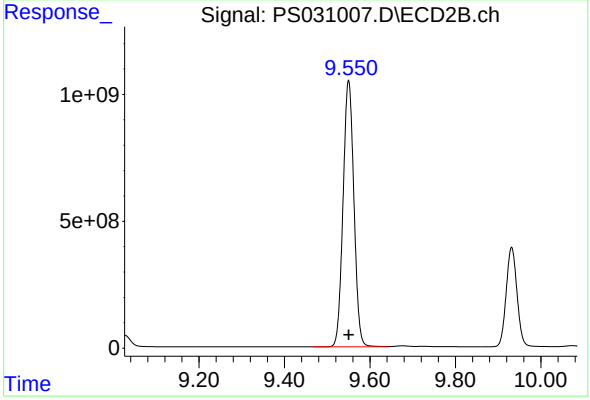
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: 0.000 min
Response: 782625431
Conc: 483.83 ng/ml



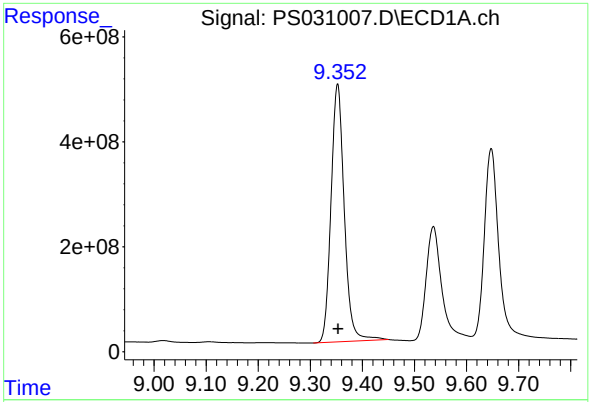
#10 Pentachlorophenol

R.T.: 8.773 min
Delta R.T.: 0.000 min
Response: 25005502043
Conc: 490.22 ng/ml



#10 Pentachlorophenol

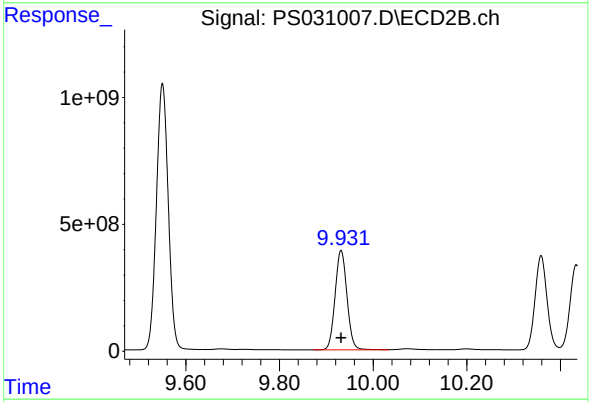
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 18493426690
Conc: 485.30 ng/ml



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

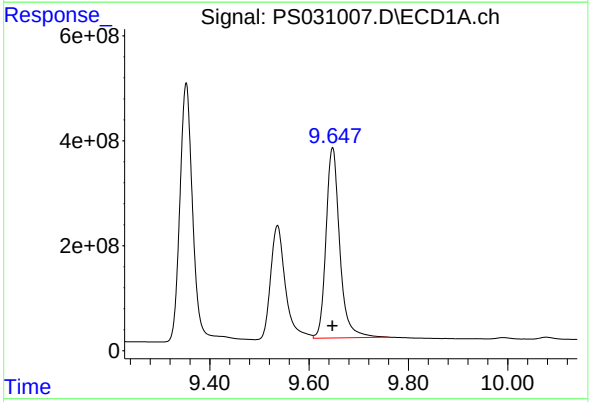
R.T.: 9.352 min
Delta R.T.: 0.000 min
Response: 8678606941
Conc: 477.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



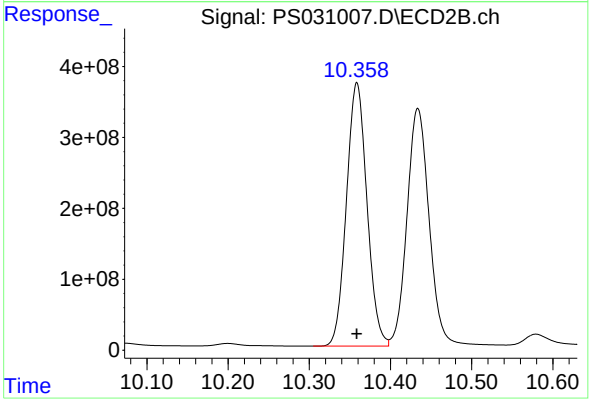
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 6892612786
Conc: 486.27 ng/ml



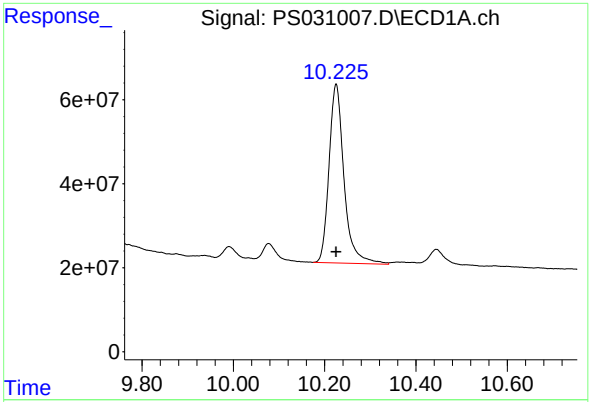
#12 2,4,5-T

R.T.: 9.647 min
Delta R.T.: 0.000 min
Response: 6951414781
Conc: 468.83 ng/ml



#12 2,4,5-T

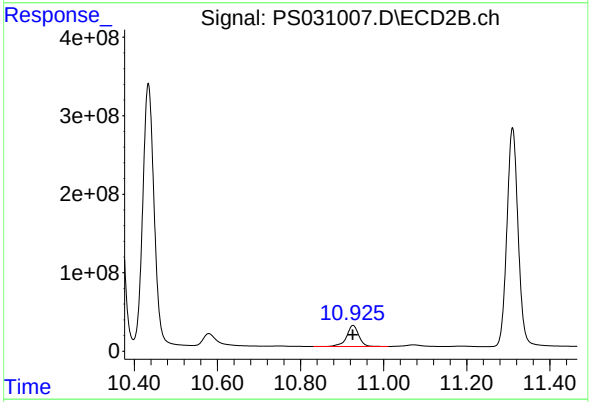
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 6538368101
Conc: 483.24 ng/ml



#13 2,4-DB

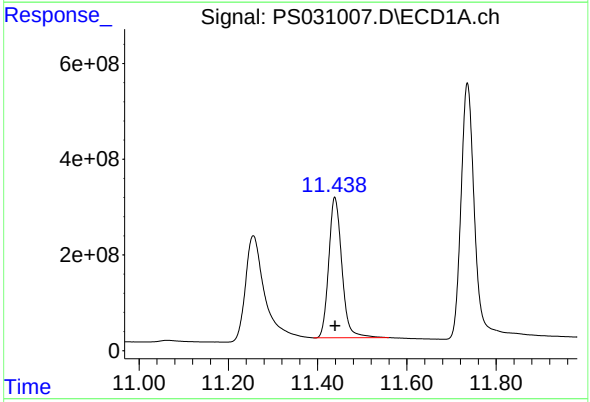
R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 969975772
Conc: 464.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



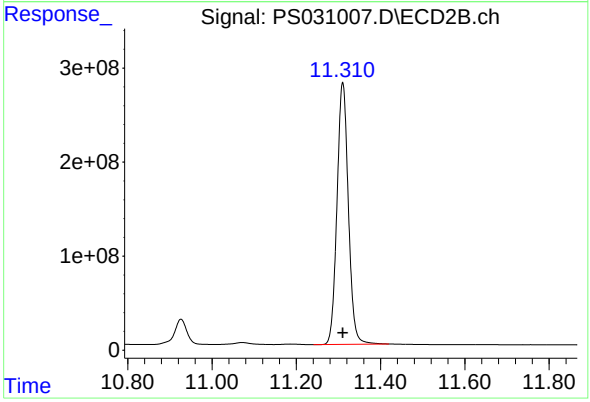
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 546929014
Conc: 485.71 ng/ml



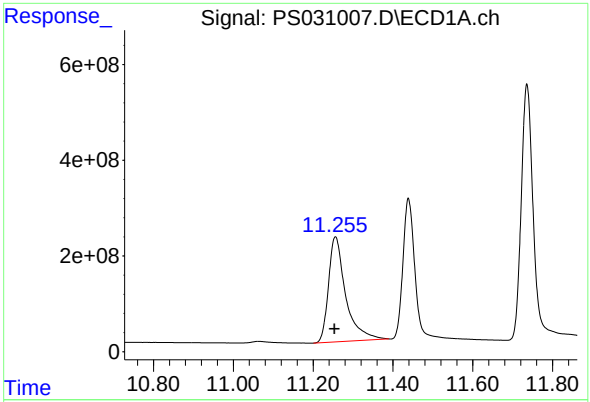
#14 DINOSEB

R.T.: 11.438 min
Delta R.T.: 0.000 min
Response: 5994657508
Conc: 467.34 ng/ml



#14 DINOSEB

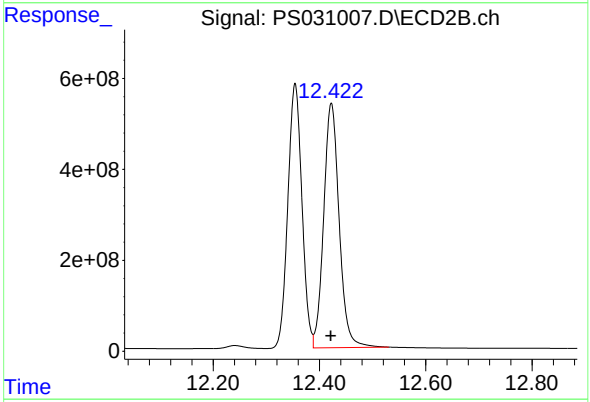
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 5205530111
Conc: 476.76 ng/ml



#15 Picloram

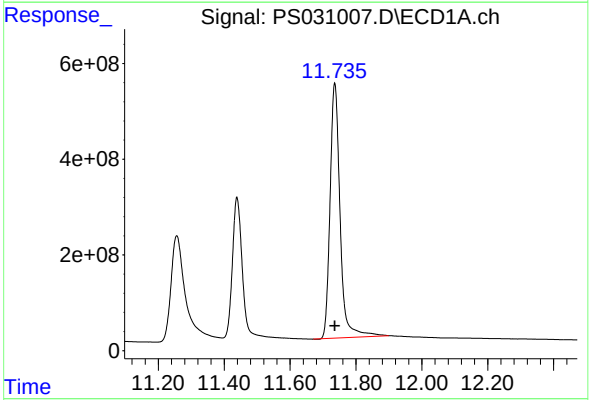
R.T.: 11.256 min
Delta R.T.: 0.002 min
Response: 6552347497
Conc: 457.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



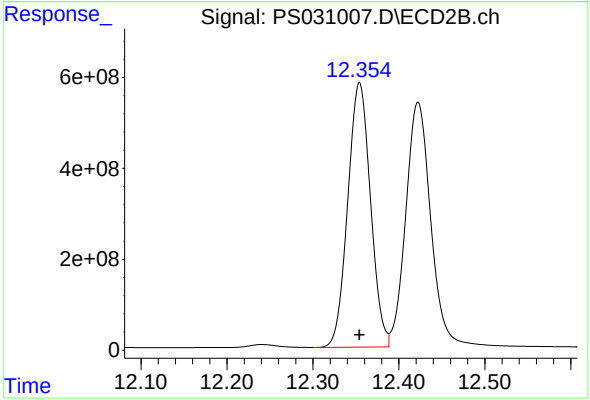
#15 Picloram

R.T.: 12.422 min
Delta R.T.: 0.001 min
Response: 10862643503
Conc: 465.91 ng/ml



#16 DCPA

R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 11264648267
Conc: 481.91 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 10701128854
Conc: 487.83 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:36
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 14 03:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.333	7.767	4695.9E6	1418.1E6	1250.250	1441.103
	Target Compounds						
1) T	Dalapon	2.698	2.707	7486.5E6	3547.9E6	1293.460	1308.613
2) T	3,5-DICHL...	6.493	6.714	6524.9E6	1980.6E6	1309.060	1345.701
3) T	4-Nitroph...	7.131	7.300	1725.8E6	2292.6E6	1339.368	1366.259
5) T	DICAMBA	7.521	7.970	20106.6E6	8698.0E6	1338.332	1389.226
6) T	MCPP	7.707	8.074	1430.6E6	309.1E6	154.781	144.613
7) T	MCPA	7.857	8.324	1645.7E6	445.0E6	153.134	140.171
8) T	DICHLORPROP	8.234	8.689	4381.4E6	1928.8E6	1359.272	1334.416
9) T	2,4-D	8.466	9.025	4148.9E6	2179.6E6	1415.062	1347.498
10) T	Pentachlo...	8.782	9.550	52777.9E6	46094.6E6	1034.675	1209.611
11) T	2,4,5-TP ...	9.352	9.931	25168.8E6	19018.3E6	1383.742	1341.717
12) T	2,4,5-T	9.646	10.358	21706.0E6	18321.9E6	1463.931	1354.148
13) T	2,4-DB	10.223	10.925	3219.3E6	1559.4E6	1541.540	1384.859
14) T	DINOSEB	11.439	11.310	18156.7E6	14885.6E6	1415.498	1363.317
15) T	Picloram	11.250	12.420	22339.0E6	32971.5E6	1560.697	1414.175
16) T	DCPA	11.735	12.354	32997.7E6	29245.9E6	1411.653	1333.227

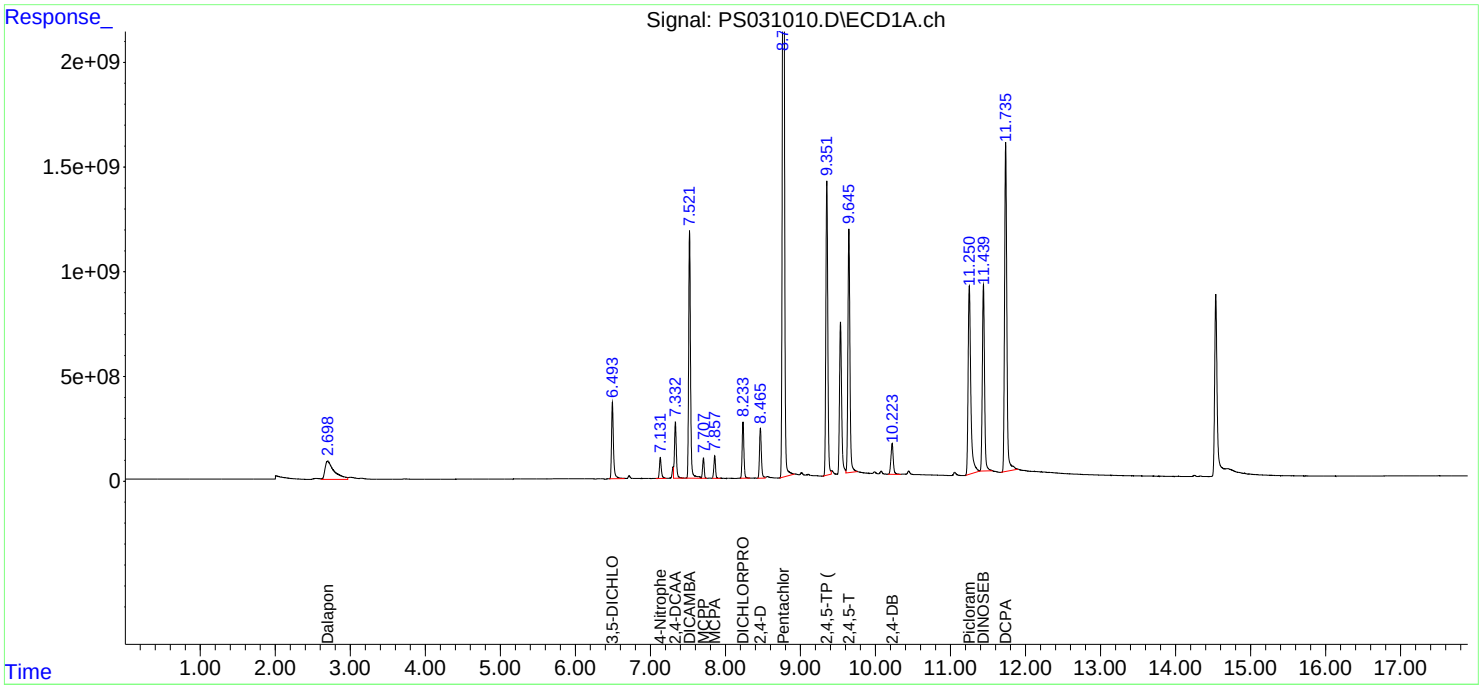
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

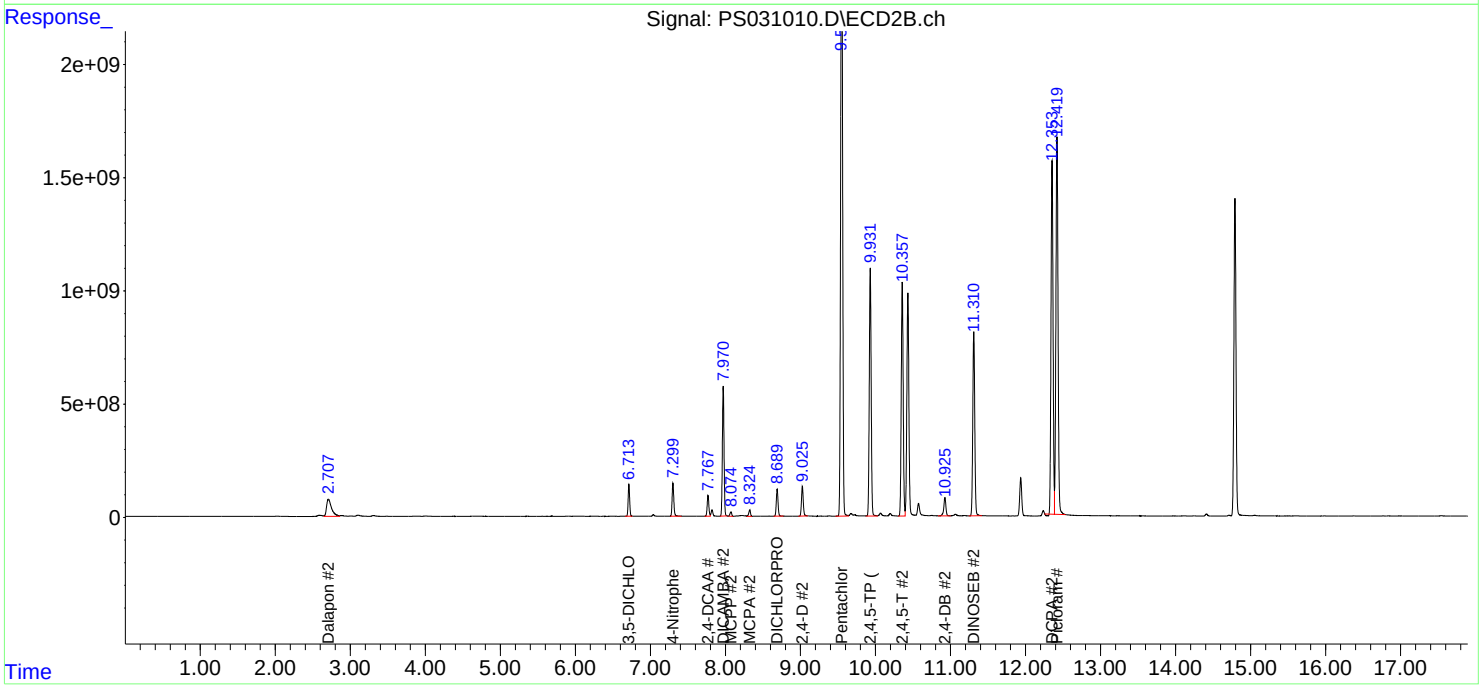
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:36
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

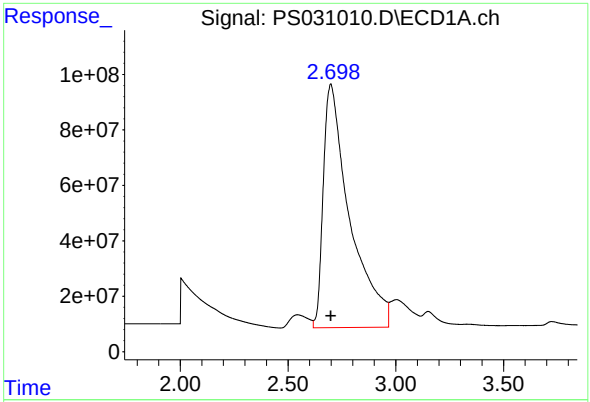
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



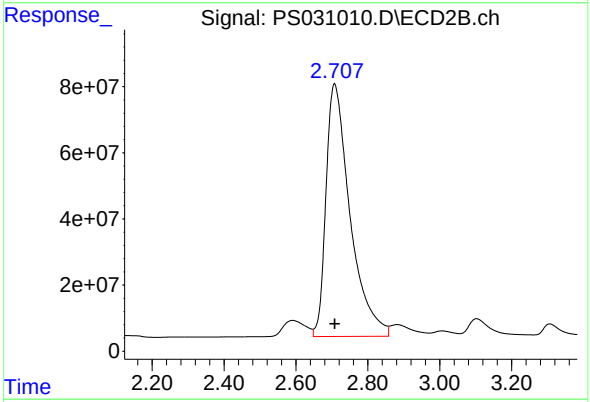




#1 Dalapon

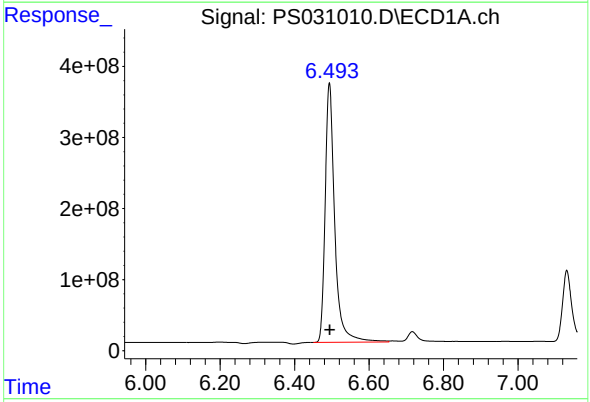
R.T.: 2.698 min
Delta R.T.: 0.000 min
Response: 7486531904
Conc: 1293.46 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



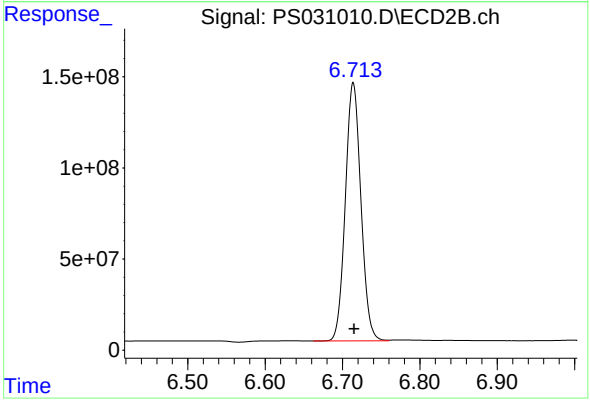
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: 0.000 min
Response: 3547892503
Conc: 1308.61 ng/ml



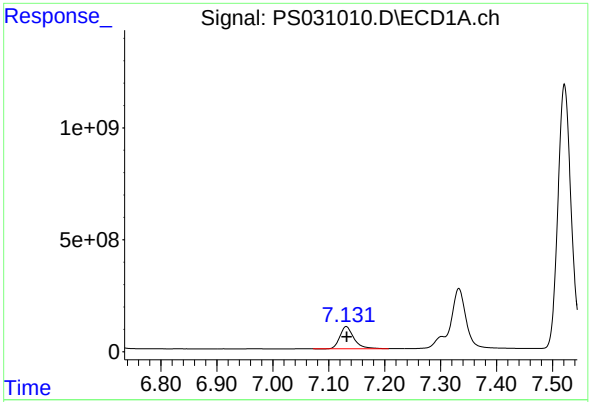
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.493 min
Delta R.T.: 0.000 min
Response: 6524860091
Conc: 1309.06 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

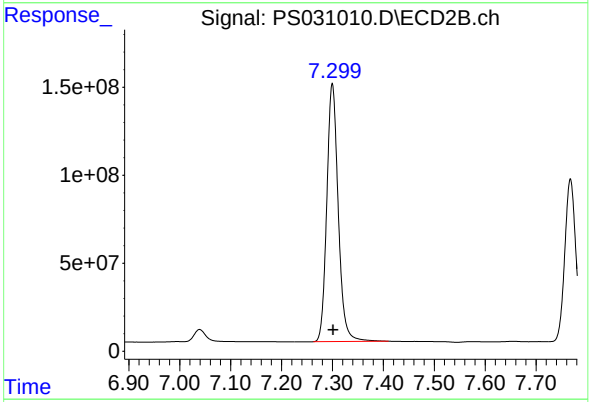
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 1980574001
Conc: 1345.70 ng/ml



#3 4-Nitrophenol

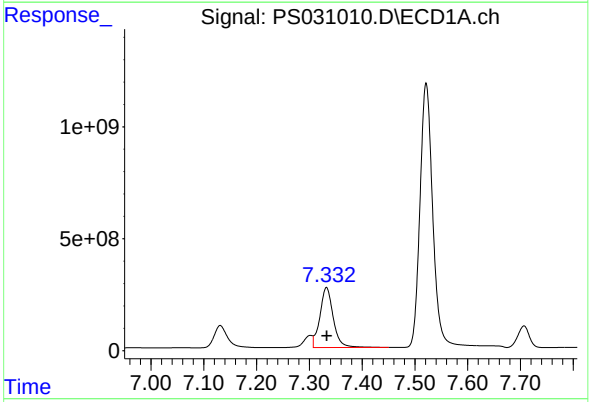
R.T.: 7.131 min
Delta R.T.: -0.001 min
Response: 1725756193
Conc: 1339.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



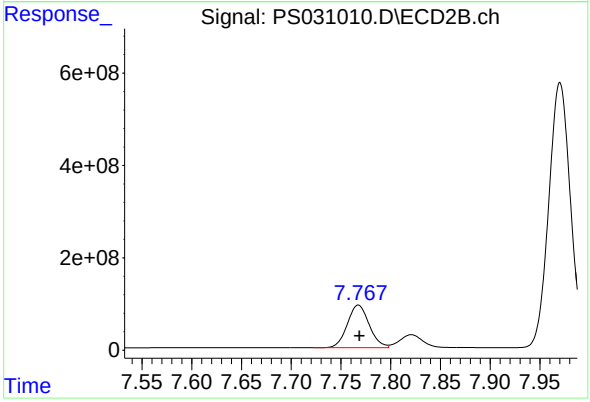
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.001 min
Response: 2292600688
Conc: 1366.26 ng/ml



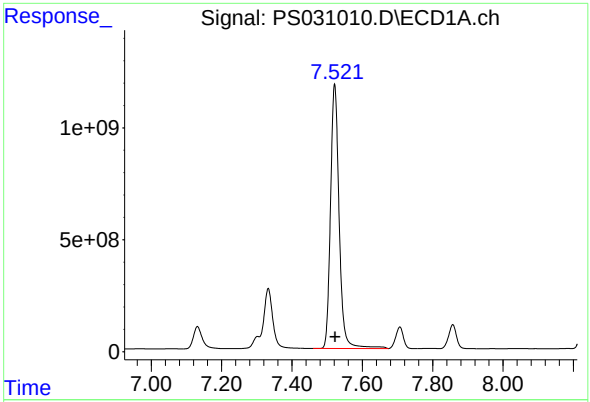
#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 4695882532
Conc: 1250.25 ng/ml



#4 2,4-DCAA

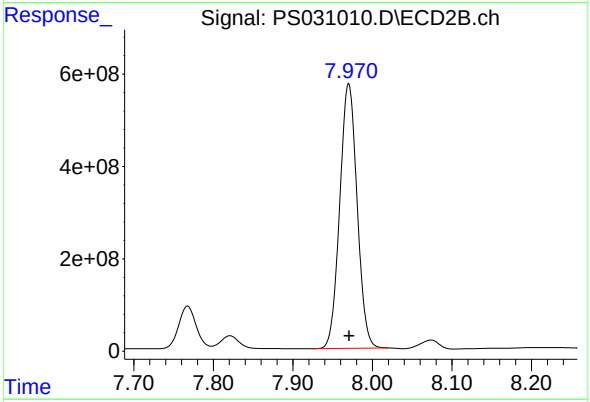
R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 1418147073
Conc: 1441.10 ng/ml



#5 DICAMBA

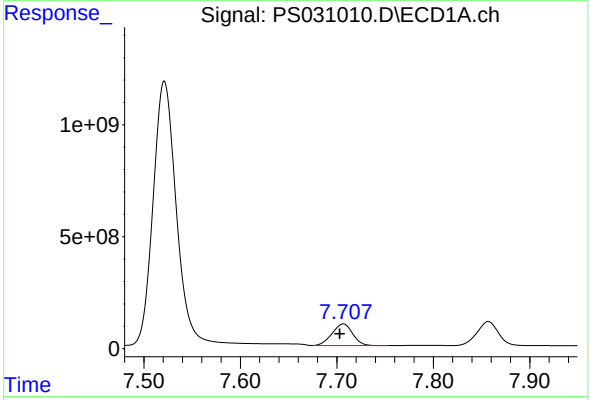
R.T.: 7.521 min
Delta R.T.: -0.001 min
Response: 20106636853
Conc: 1338.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



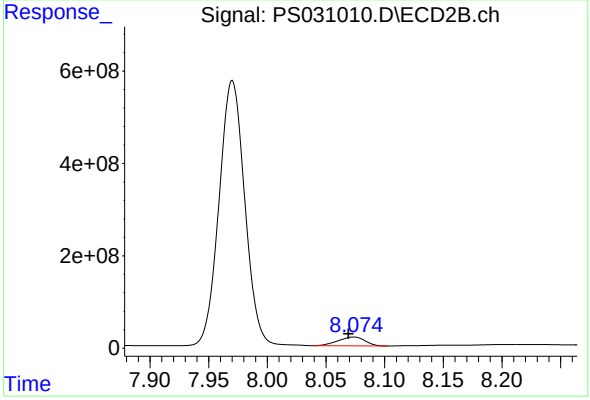
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 8697989555
Conc: 1389.23 ng/ml



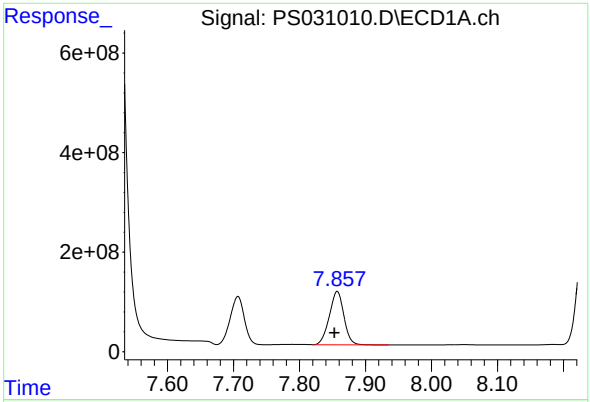
#6 MCPP

R.T.: 7.707 min
Delta R.T.: 0.004 min
Response: 1430619341
Conc: 154.78 ug/ml



#6 MCPP

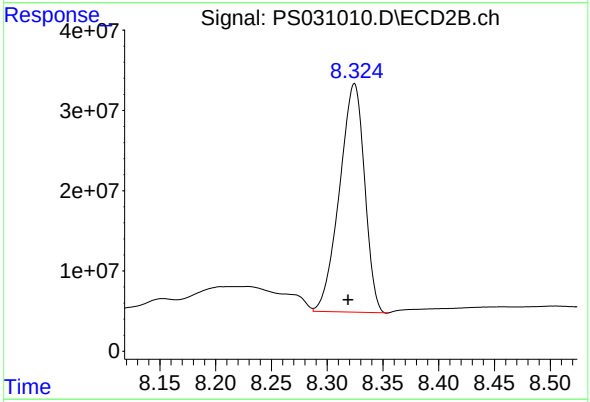
R.T.: 8.074 min
Delta R.T.: 0.004 min
Response: 309124730
Conc: 144.61 ug/ml



#7 MCPA

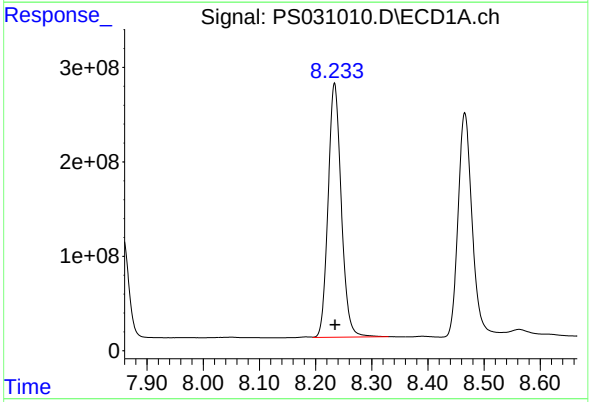
R.T.: 7.857 min
Delta R.T.: 0.004 min
Response: 1645689214
Conc: 153.13 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



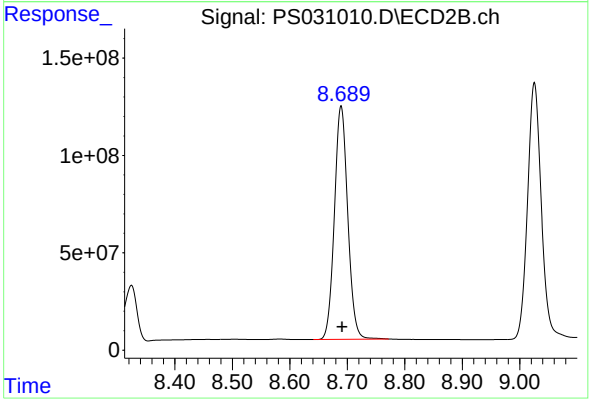
#7 MCPA

R.T.: 8.324 min
Delta R.T.: 0.005 min
Response: 445009528
Conc: 140.17 ug/ml



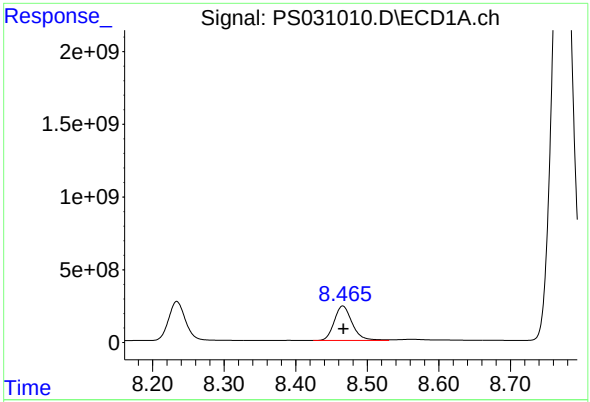
#8 DICHLORPROP

R.T.: 8.234 min
Delta R.T.: 0.000 min
Response: 4381392344
Conc: 1359.27 ng/ml



#8 DICHLORPROP

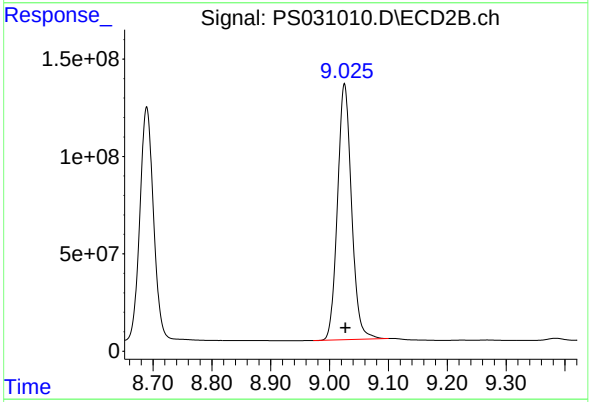
R.T.: 8.689 min
Delta R.T.: -0.001 min
Response: 1928757923
Conc: 1334.42 ng/ml



#9 2,4-D

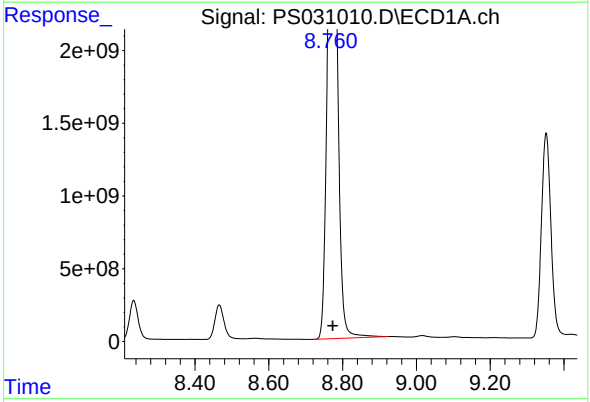
R.T.: 8.466 min
Delta R.T.: -0.001 min
Response: 4148934902
Conc: 1415.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



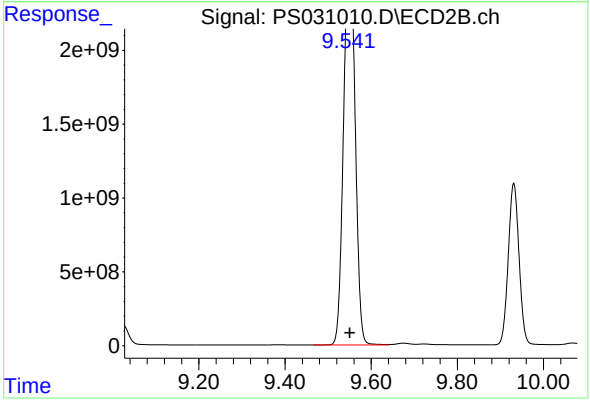
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: -0.001 min
Response: 2179642837
Conc: 1347.50 ng/ml



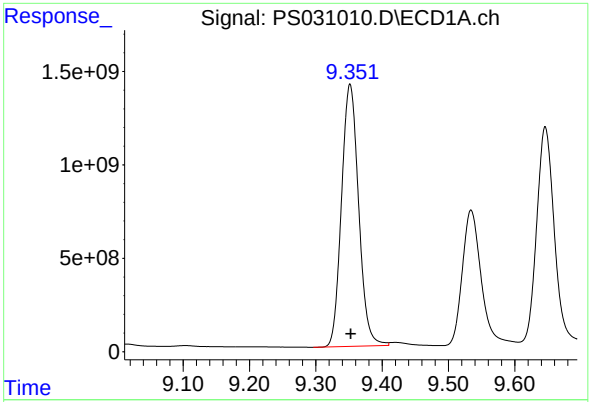
#10 Pentachlorophenol

R.T.: 8.782 min
Delta R.T.: 0.009 min
Response: 52777914102
Conc: 1034.67 ng/ml



#10 Pentachlorophenol

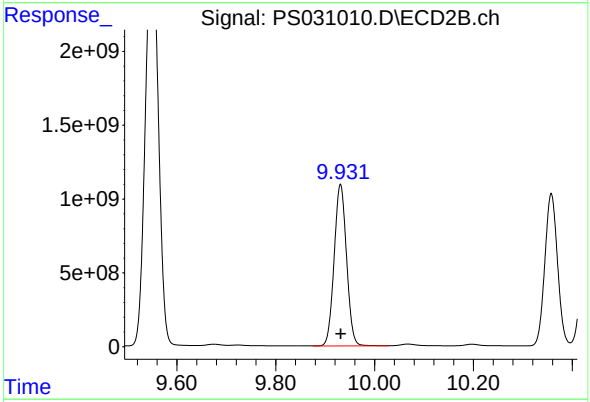
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 46094585187
Conc: 1209.61 ng/ml



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

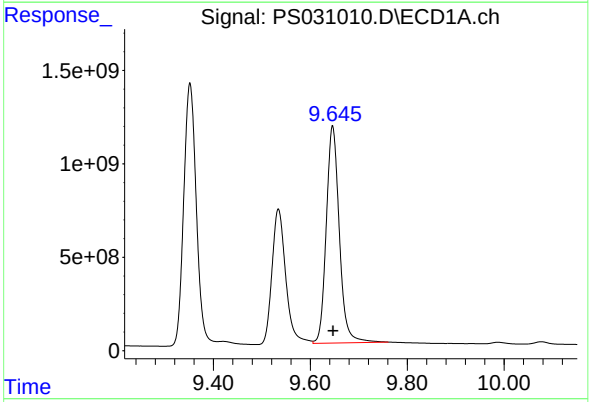
R.T.: 9.352 min
Delta R.T.: -0.001 min
Response: 25168810645
Conc: 1383.74 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



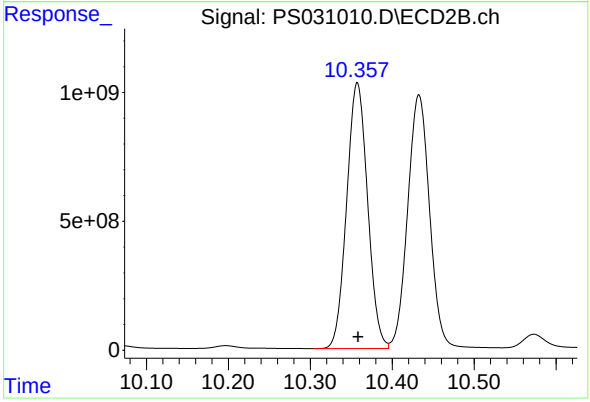
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 19018287889
Conc: 1341.72 ng/ml



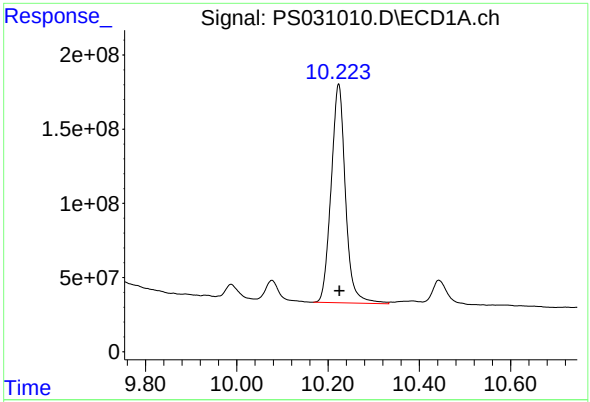
#12 2,4,5-T

R.T.: 9.646 min
Delta R.T.: 0.000 min
Response: 21706003287
Conc: 1463.93 ng/ml



#12 2,4,5-T

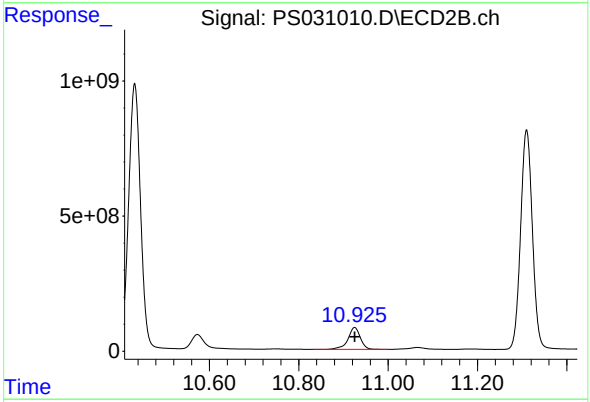
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 18321856144
Conc: 1354.15 ng/ml



#13 2,4-DB

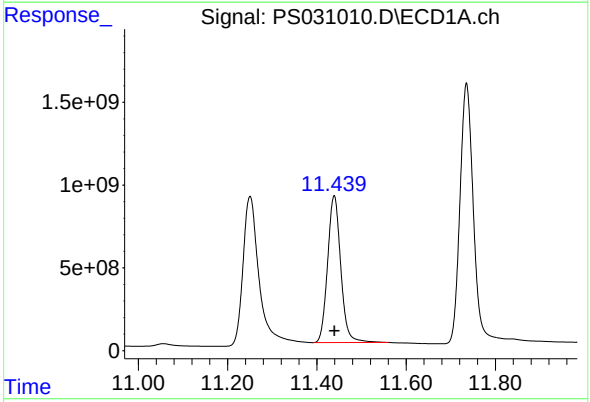
R.T.: 10.223 min
Delta R.T.: -0.002 min
Response: 3219255332
Conc: 1541.54 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



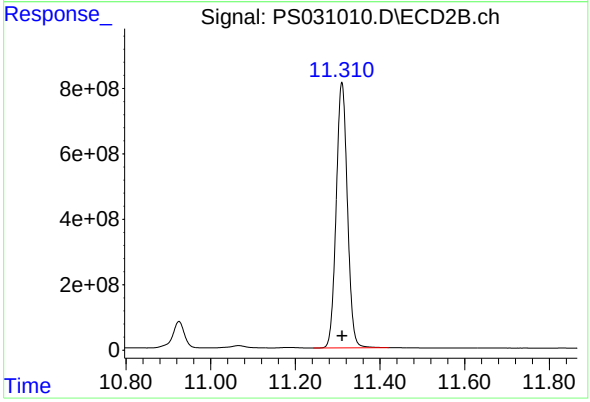
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 1559418116
Conc: 1384.86 ng/ml



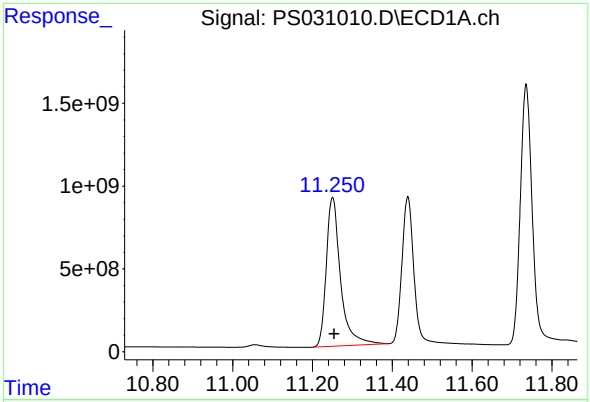
#14 DINOSEB

R.T.: 11.439 min
Delta R.T.: 0.000 min
Response: 18156696343
Conc: 1415.50 ng/ml



#14 DINOSEB

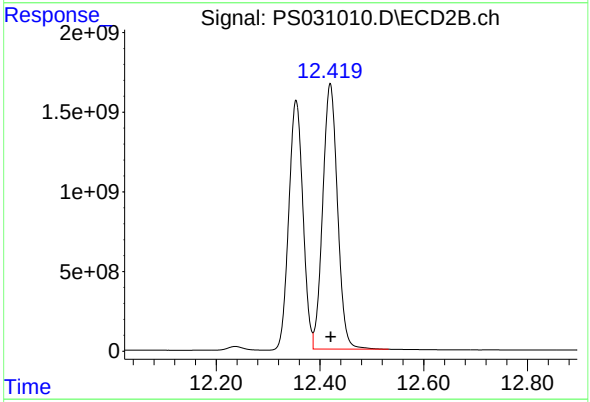
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 14885552877
Conc: 1363.32 ng/ml



#15 Picloram

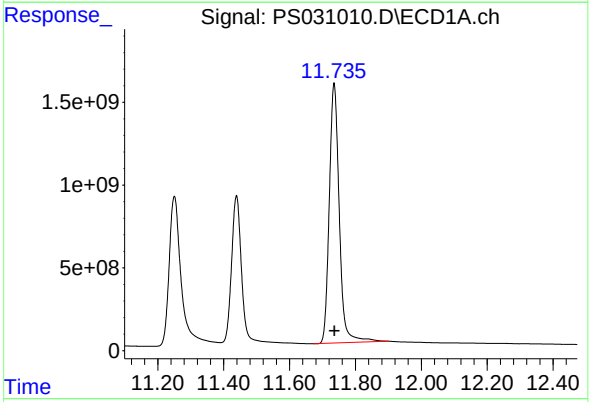
R.T.: 11.250 min
Delta R.T.: -0.003 min
Response: 22338978166
Conc: 1560.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



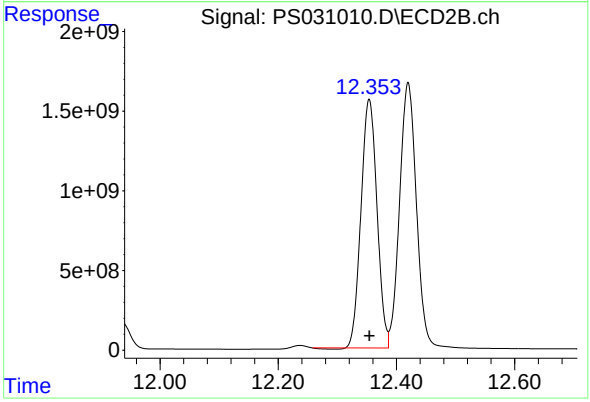
#15 Picloram

R.T.: 12.420 min
Delta R.T.: -0.001 min
Response: 32971484278
Conc: 1414.18 ng/ml



#16 DCPA

R.T.: 11.735 min
Delta R.T.: 0.000 min
Response: 32997699560
Conc: 1411.65 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 29245939915
Conc: 1333.23 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031089.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 10:04
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 17 12:34:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.330	7.768	2792.4E6	634.2E6	706.039	612.160
	Target Compounds						
1) T	Dalapon	2.692	2.704	3635.3E6	1611.2E6	596.767	566.743
2) T	3,5-DICHL...	6.491	6.715	3388.9E6	869.2E6	646.918	560.638
3) T	4-Nitroph...	7.129	7.301	1074.2E6	992.3E6	795.684	568.988 #
5) T	DICAMBA	7.519	7.971	10175.3E6	3781.3E6	648.486	583.856
6) T	MCPP	7.700	8.069	596.9E6	124.4E6	64.873	58.175
7) T	MCPA	7.850	8.317	744.5E6	187.0E6	68.256	58.337
8) T	DICHLORPROP	8.231	8.691	2261.4E6	882.0E6	664.115	580.542
9) T	2,4-D	8.463	9.027	2398.1E6	990.2E6	779.001	582.656 #
10) T	Pentachlo...	8.770	9.550	36148.9E6	23708.2E6	719.216	615.237
11) T	2,4,5-TP ...	9.348	9.932	13545.9E6	8807.4E6	727.855	600.131
12) T	2,4,5-T	9.643	10.359	12659.1E6	8418.3E6	832.109	601.659 #
13) T	2,4-DB	10.220	10.927	1993.7E6	700.3E6	918.401	591.886 #
14) T	DINOSEB	11.435	11.311	9531.3E6	6587.5E6	722.947	580.316
15) T	Picloram	11.247	12.422	13666.3E6	14907.2E6	937.848	634.871 #
16) T	DCPA	11.732	12.355	17995.2E6	13593.6E6	751.767	602.766

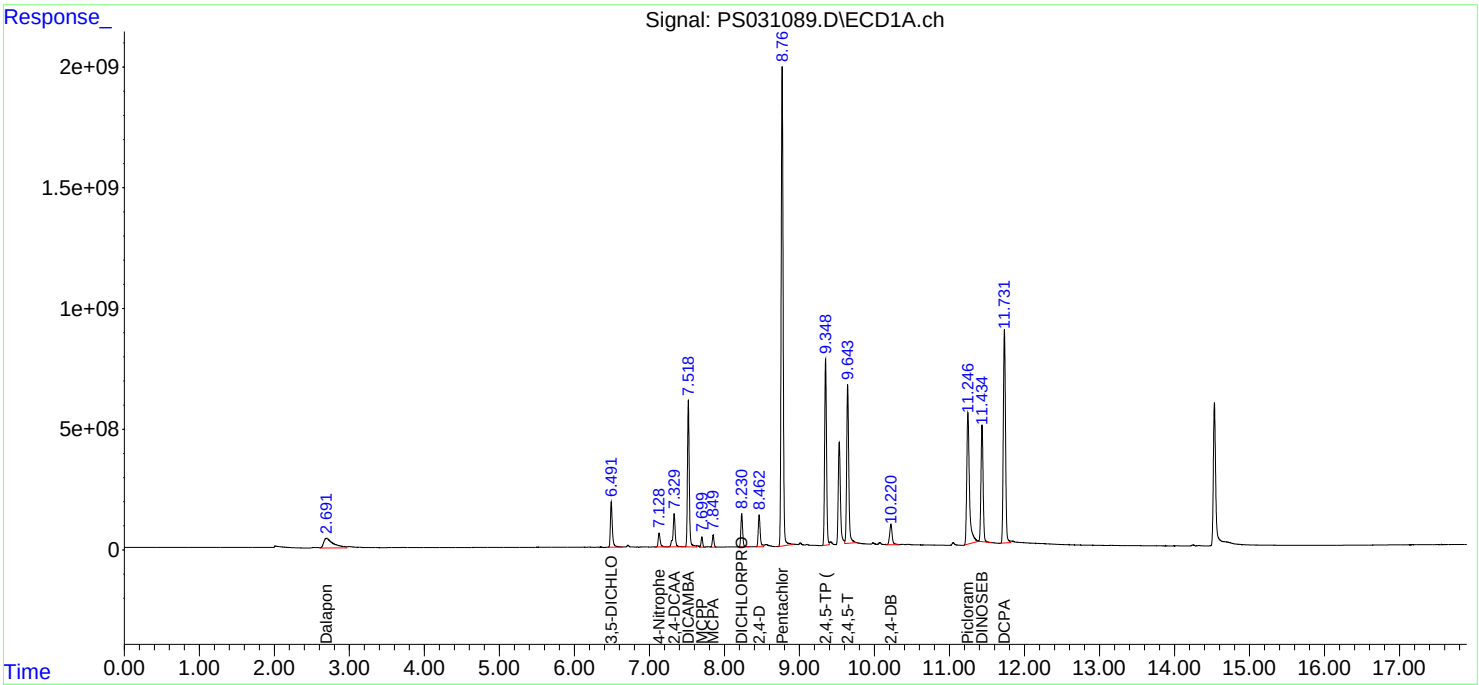
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

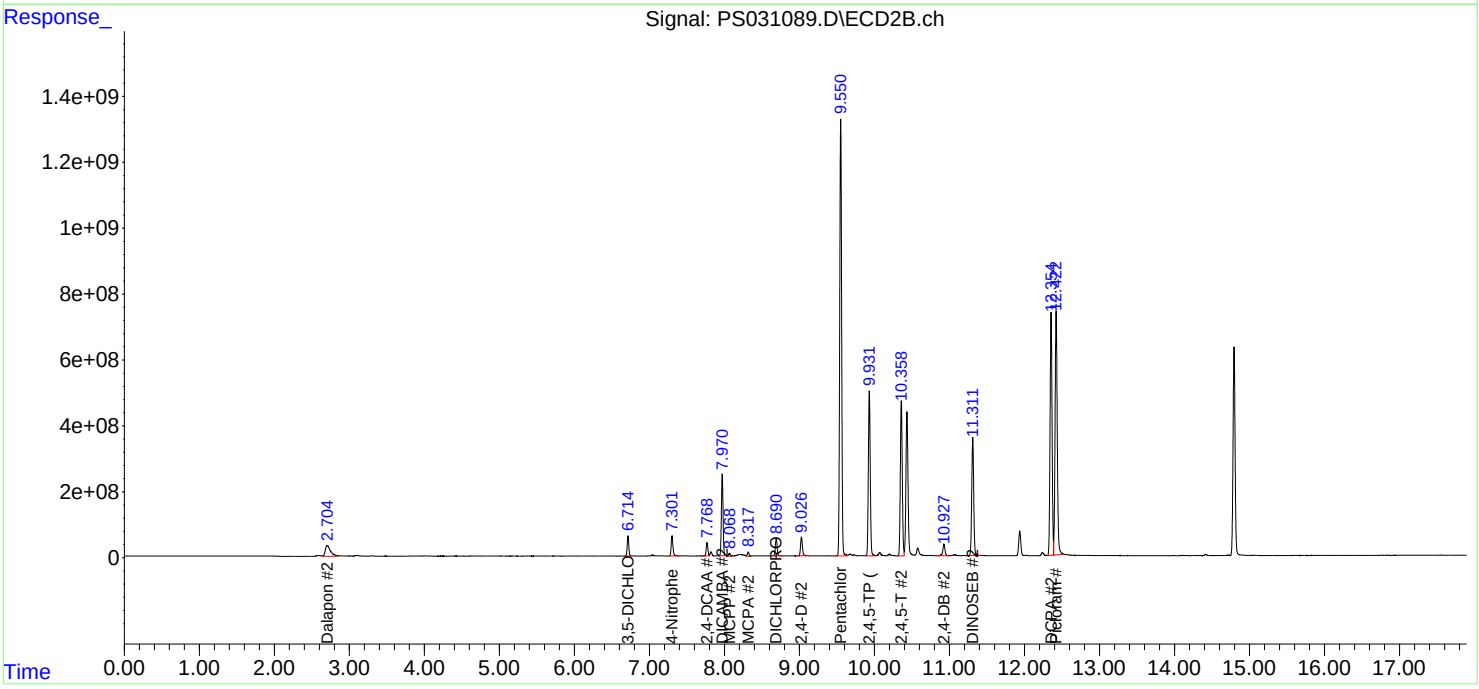
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031089.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 10:04
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

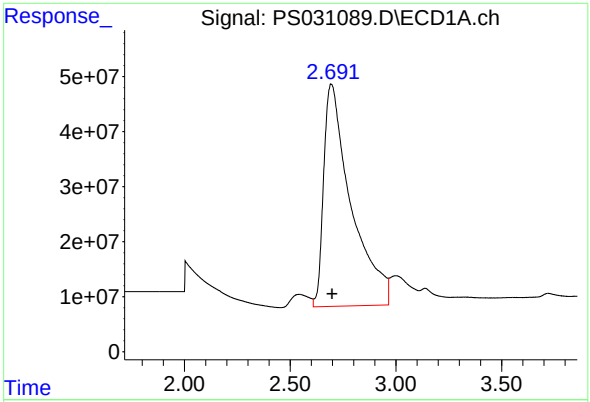
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 12:34:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



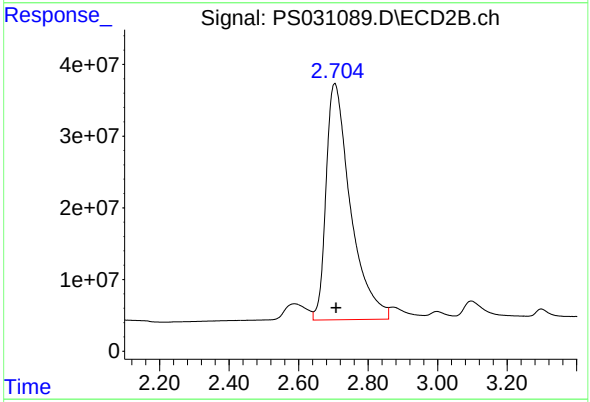




#1 Dalapon

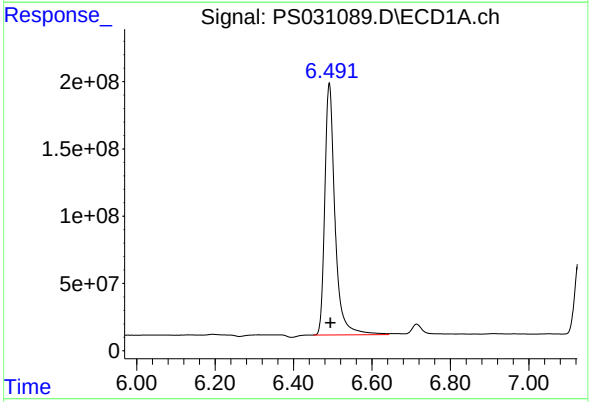
R.T.: 2.692 min
Delta R.T.: -0.006 min
Response: 3635340939
Conc: 596.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



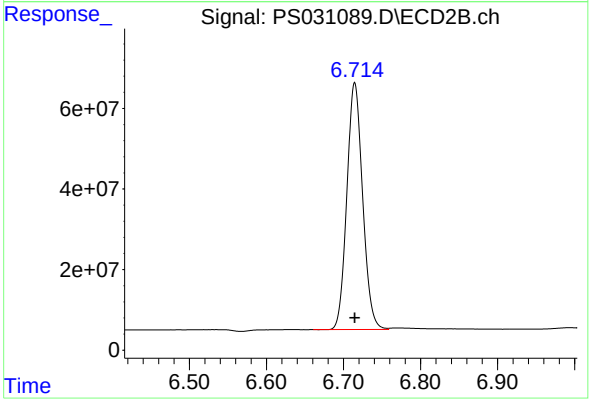
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: -0.004 min
Response: 1611169842
Conc: 566.74 ng/ml



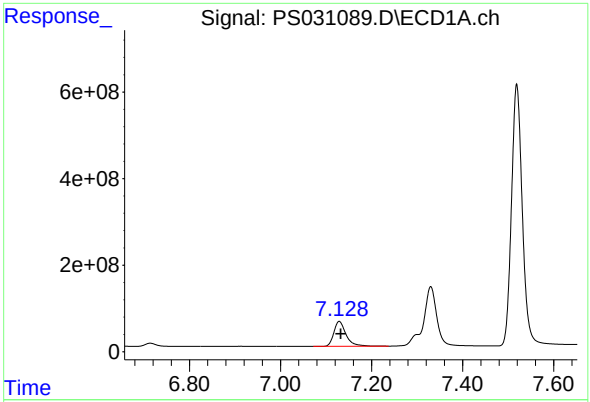
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.491 min
Delta R.T.: -0.003 min
Response: 3388946805
Conc: 646.92 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

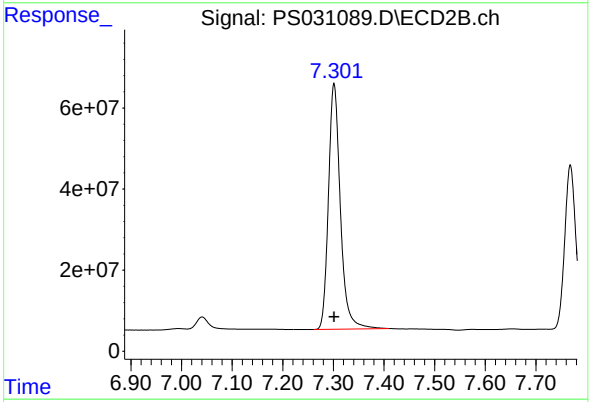
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 869177356
Conc: 560.64 ng/ml



#3 4-Nitrophenol

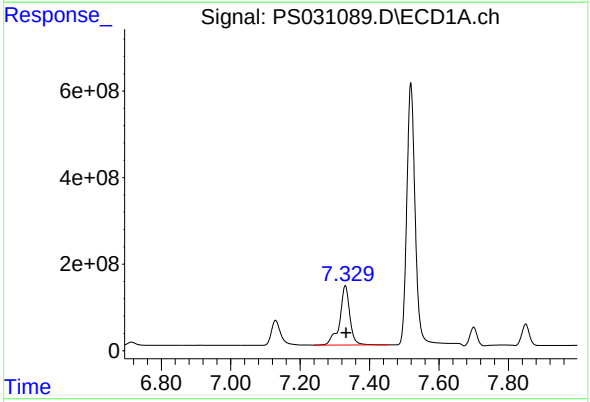
R.T.: 7.129 min
Delta R.T.: -0.003 min
Response: 1074180202
Conc: 795.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



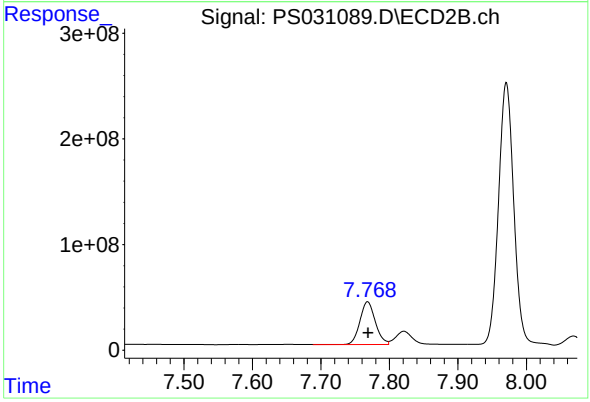
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 992251759
Conc: 568.99 ng/ml



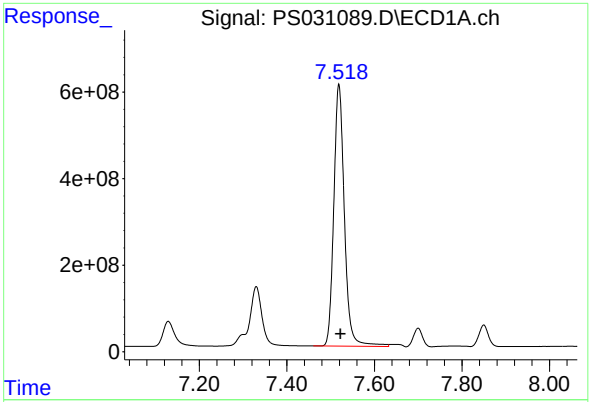
#4 2,4-DCAA

R.T.: 7.330 min
Delta R.T.: -0.003 min
Response: 2792436152
Conc: 706.04 ng/ml



#4 2,4-DCAA

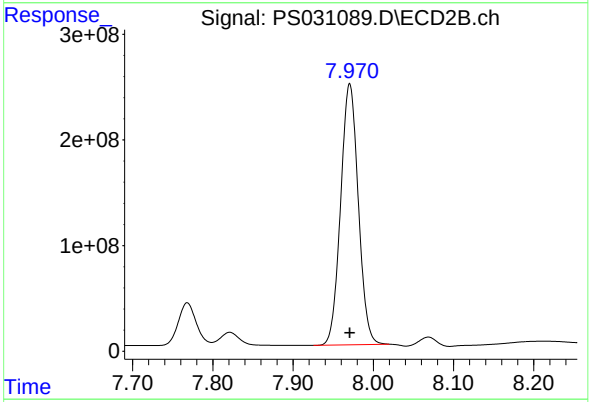
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 634217901
Conc: 612.16 ng/ml



#5 DICAMBA

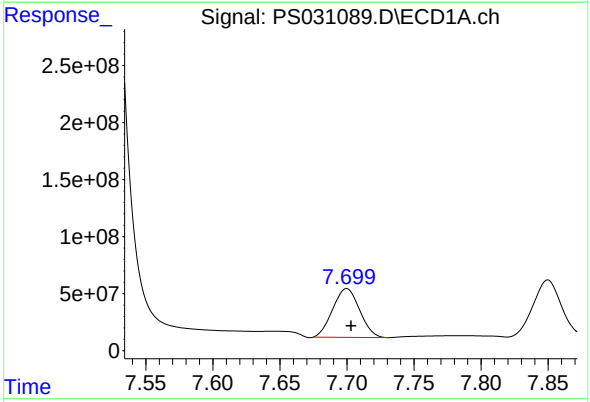
R.T.: 7.519 min
Delta R.T.: -0.004 min
Response: 10175332260
Conc: 648.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



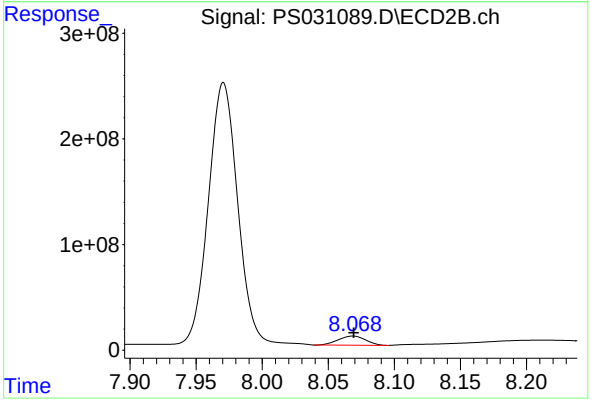
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 3781297610
Conc: 583.86 ng/ml



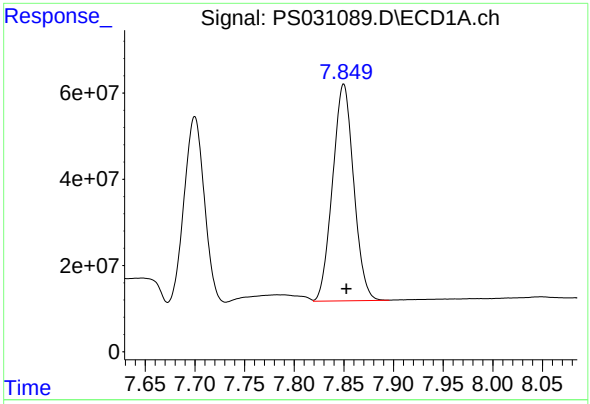
#6 MCPP

R.T.: 7.700 min
Delta R.T.: -0.003 min
Response: 596918022
Conc: 64.87 ug/ml



#6 MCPP

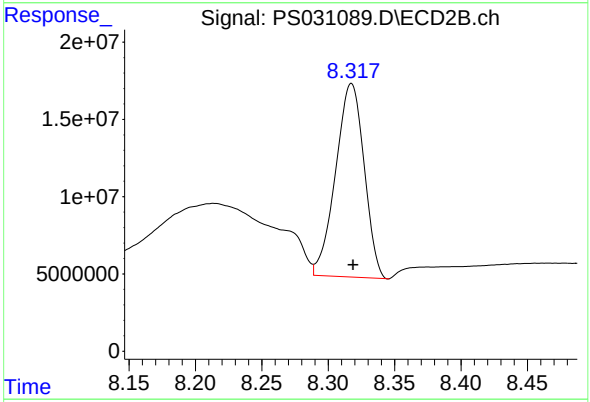
R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 124375634
Conc: 58.18 ug/ml



#7 MCPA

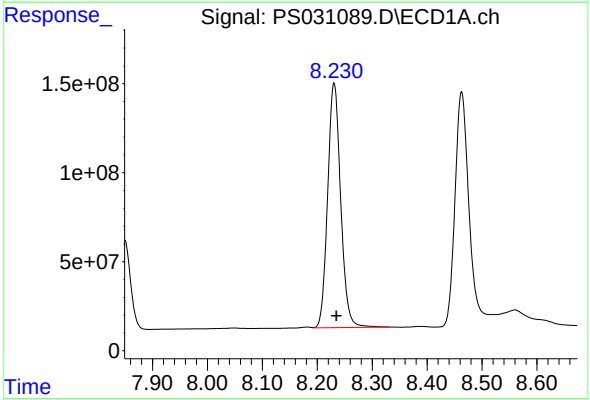
R.T.: 7.850 min
Delta R.T.: -0.003 min
Response: 744450274
Conc: 68.26 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



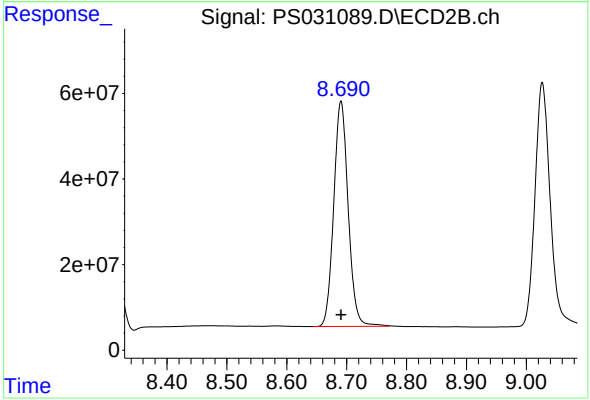
#7 MCPA

R.T.: 8.317 min
Delta R.T.: -0.001 min
Response: 187009760
Conc: 58.34 ug/ml



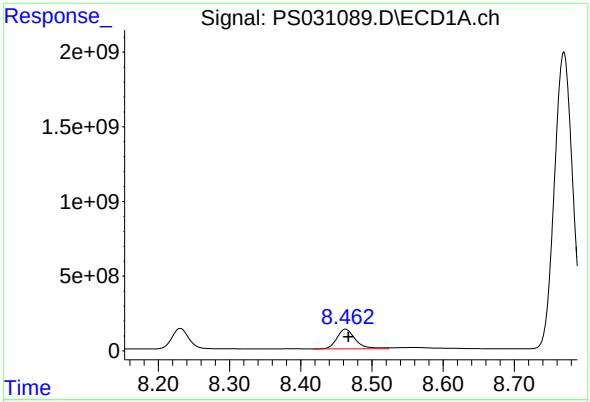
#8 DICHLORPROP

R.T.: 8.231 min
Delta R.T.: -0.004 min
Response: 2261414931
Conc: 664.12 ng/ml



#8 DICHLORPROP

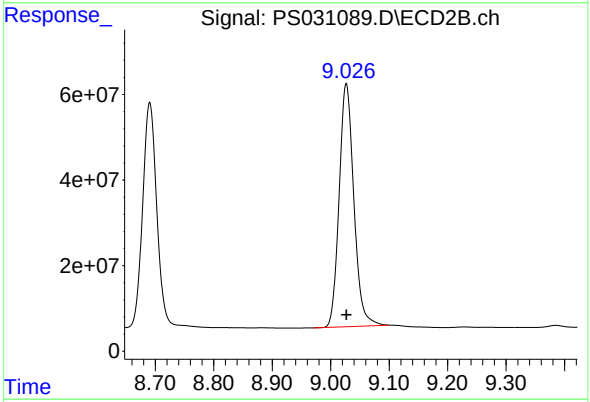
R.T.: 8.691 min
Delta R.T.: 0.000 min
Response: 881994246
Conc: 580.54 ng/ml



#9 2,4-D

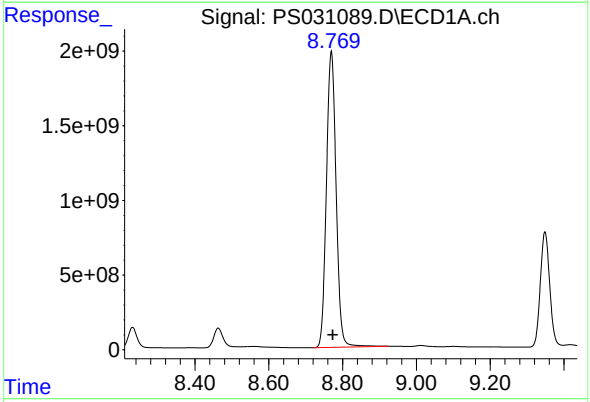
R.T.: 8.463 min
Delta R.T.: -0.004 min
Response: 2398104431
Conc: 779.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



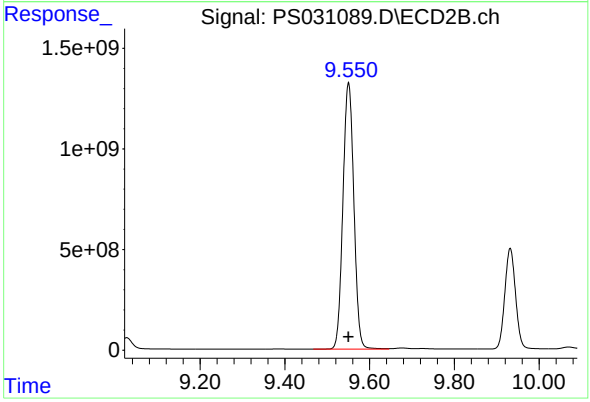
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 990203740
Conc: 582.66 ng/ml



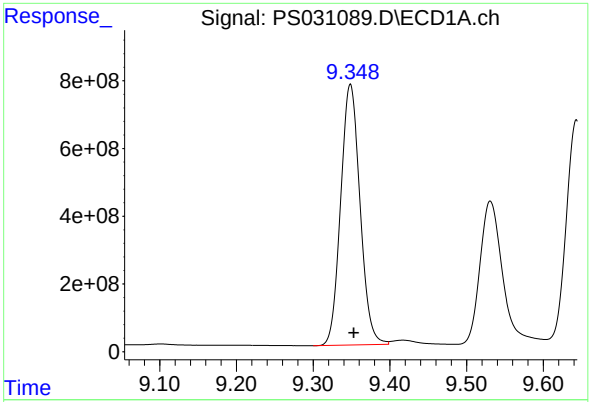
#10 Pentachlorophenol

R.T.: 8.770 min
Delta R.T.: -0.004 min
Response: 36148930041
Conc: 719.22 ng/ml



#10 Pentachlorophenol

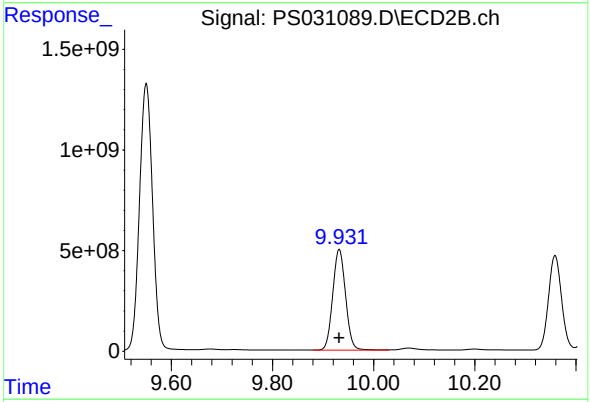
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 23708179379
Conc: 615.24 ng/ml



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

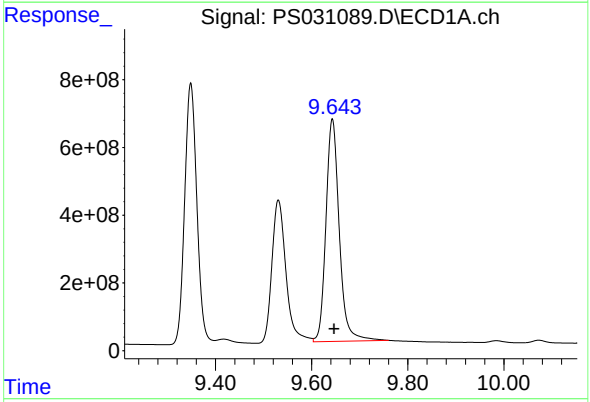
R.T.: 9.348 min
Delta R.T.: -0.005 min
Response: 13545922778
Conc: 727.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



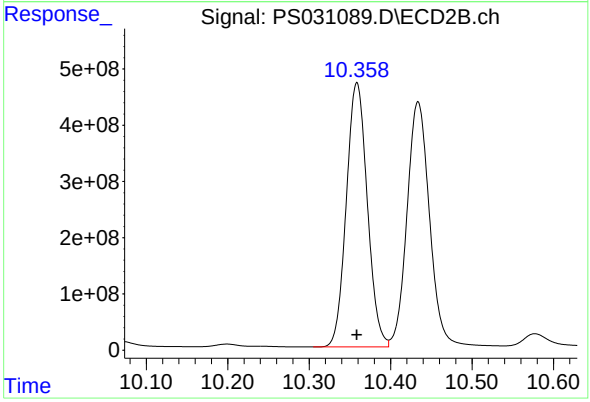
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 8807387850
Conc: 600.13 ng/ml



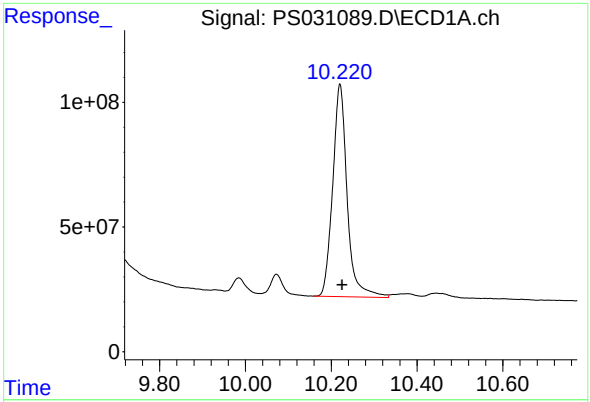
#12 2,4,5-T

R.T.: 9.643 min
Delta R.T.: -0.004 min
Response: 12659132061
Conc: 832.11 ng/ml



#12 2,4,5-T

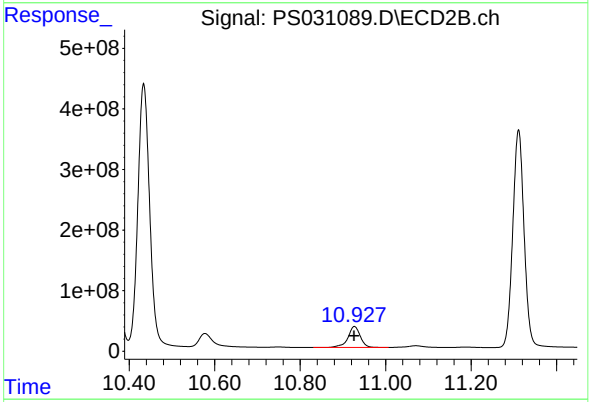
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 8418306956
Conc: 601.66 ng/ml



#13 2,4-DB

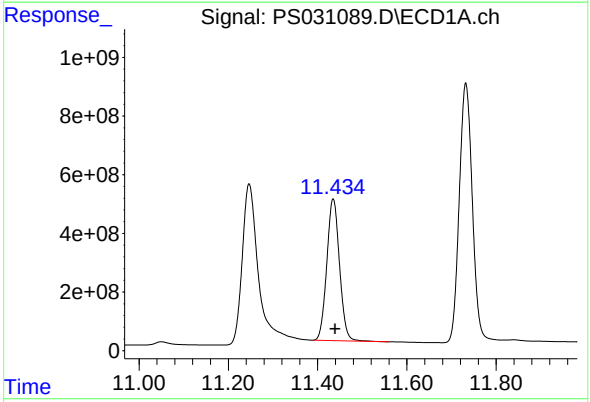
R.T.: 10.220 min
Delta R.T.: -0.005 min
Response: 1993656135
Conc: 918.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



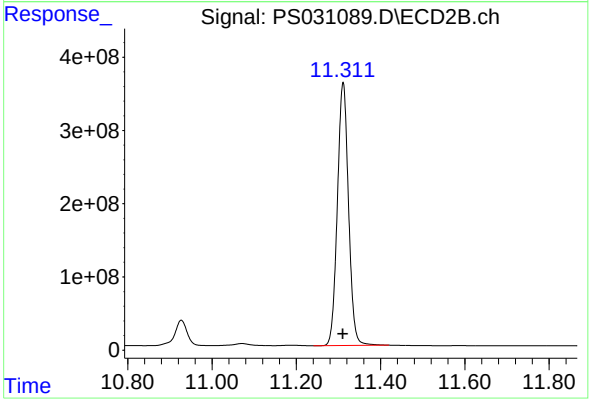
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: 0.001 min
Response: 700308454
Conc: 591.89 ng/ml



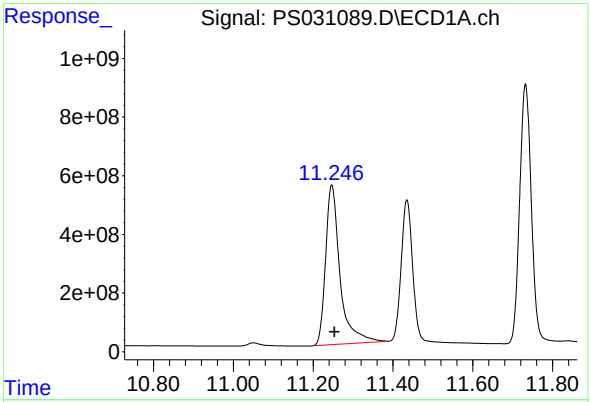
#14 DINOSEB

R.T.: 11.435 min
Delta R.T.: -0.004 min
Response: 9531257163
Conc: 722.95 ng/ml



#14 DINOSEB

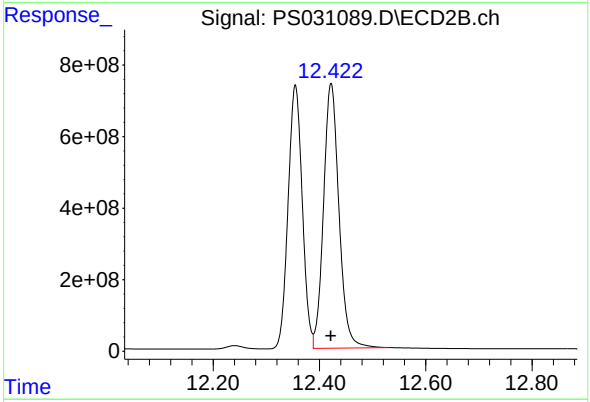
R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 6587465228
Conc: 580.32 ng/ml



#15 Picloram

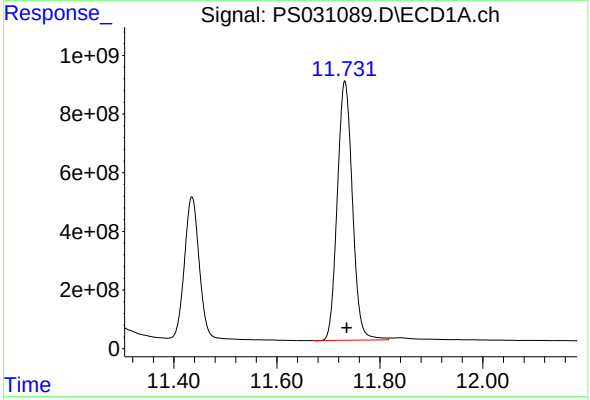
R.T.: 11.247 min
Delta R.T.: -0.007 min
Response: 13666276186
Conc: 937.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



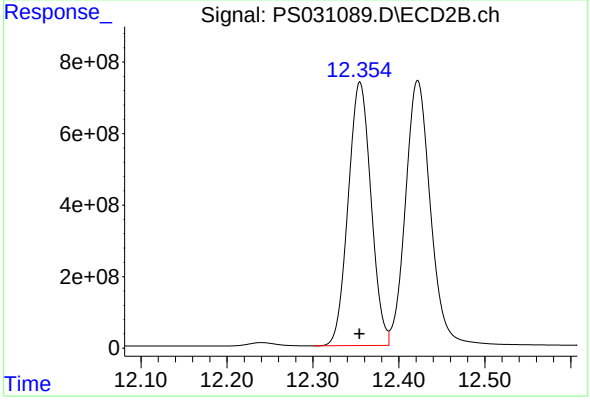
#15 Picloram

R.T.: 12.422 min
Delta R.T.: 0.000 min
Response: 14907181076
Conc: 634.87 ng/ml



#16 DCPA

R.T.: 11.732 min
Delta R.T.: -0.004 min
Response: 17995176953
Conc: 751.77 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.000 min
Response: 13593560964
Conc: 602.77 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 10:39
Operator : AR\AJ
Sample : Q2558-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 12:34:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
4) S	2,4-DCAA	7.315	0.000	7357294	0	1.860	N.D.	#
	Target Compounds							
2) T	3,5-DICHL...	6.483	0.000	19114674	0	3.649	N.D.	#
3) T	4-Nitroph...	7.115	0.000	13158383	0	9.747	N.D.	#
5) T	DICAMBA	7.494f	7.988	391675	3545614	<MDL	<MDL	#
7) T	MCPA	7.816f	0.000	712.0E6	0	65.284	N.D.	#
8) T	DICHLORPROP	8.235	0.000	3112934	0	<MDL	N.D.	#
11) T	2,4,5-TP ...	9.342	9.979f	2620895	21086877	<MDL	1.437	#
12) T	2,4,5-T	9.649	10.367	5702985	7772260	<MDL	<MDL	#
13) T	2,4-DB	10.234	0.000	3740380	0	1.723	N.D.	#
14) T	DINOSEB	11.436	11.308	1972708	762470	<MDL	<MDL	#
15) T	Picloram	11.256	12.431	143.1E6	178.9E6	9.821	7.618	
16) T	DCPA	11.732	12.356	8755087	2049986	<MDL	<MDL	#

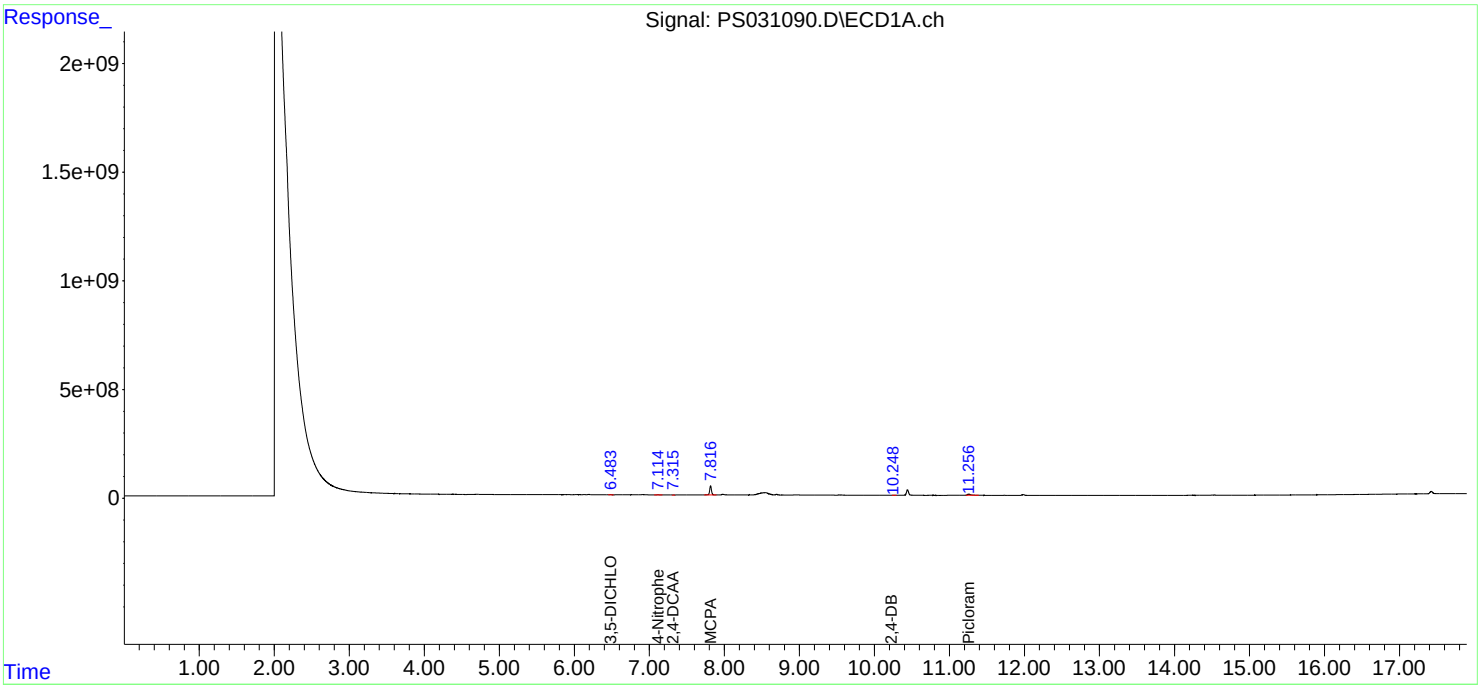
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

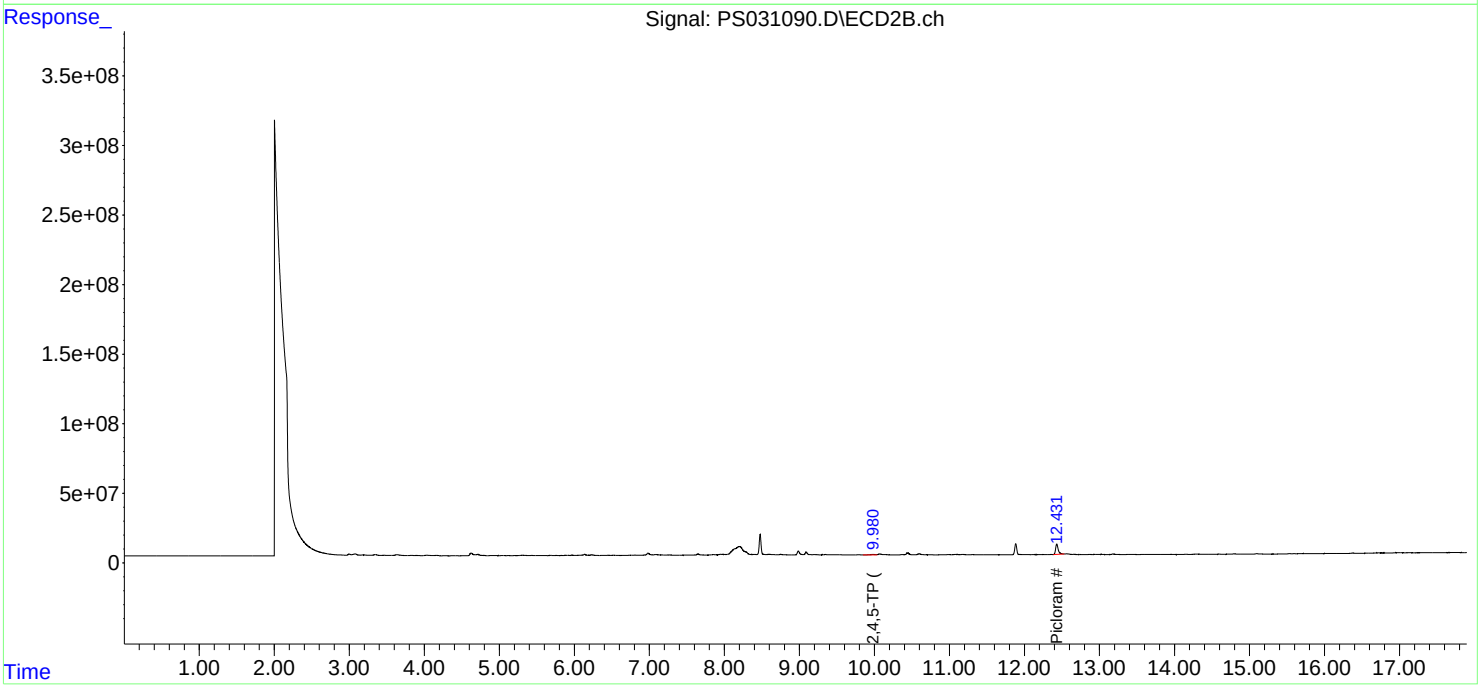
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 10:39
Operator : AR\AJ
Sample : Q2558-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

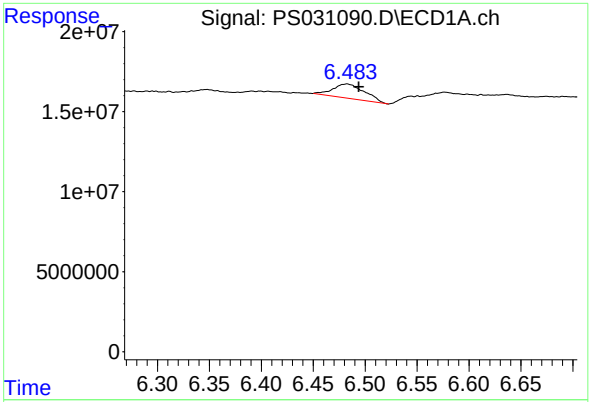
Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 12:34:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



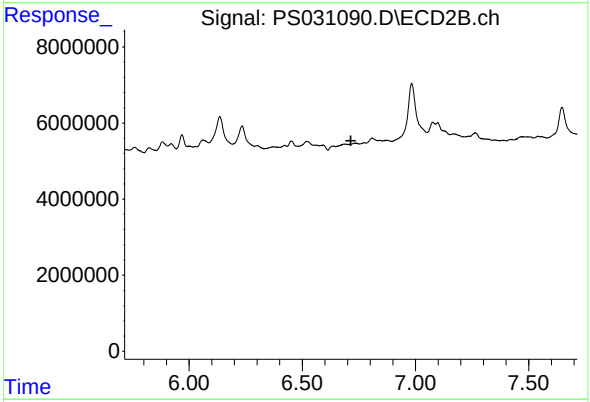




#2 3,5-DICHLOROBENZOIC ACID

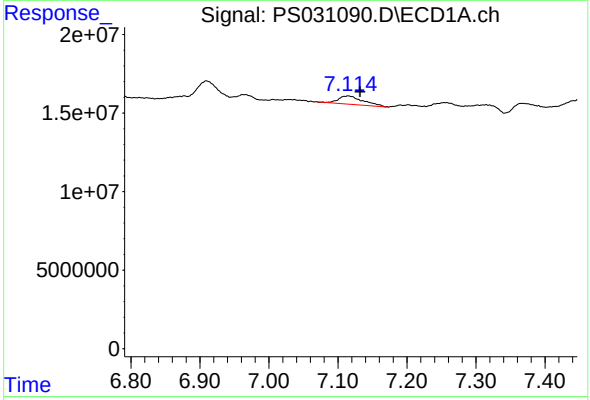
R.T.: 6.483 min
Delta R.T.: -0.011 min
Response: 19114674
Conc: 3.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925



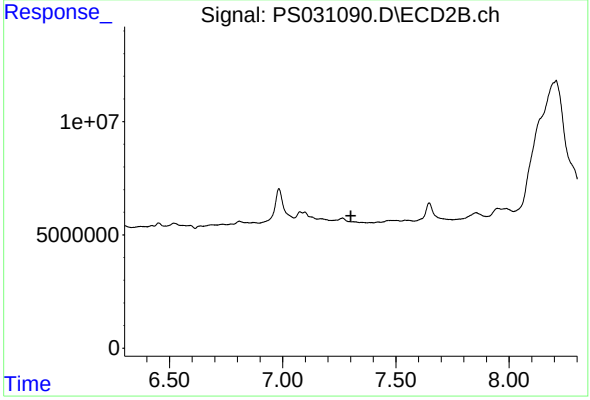
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 0.000 min
Exp R.T. : 6.715 min
Response: 0
Conc: N.D.



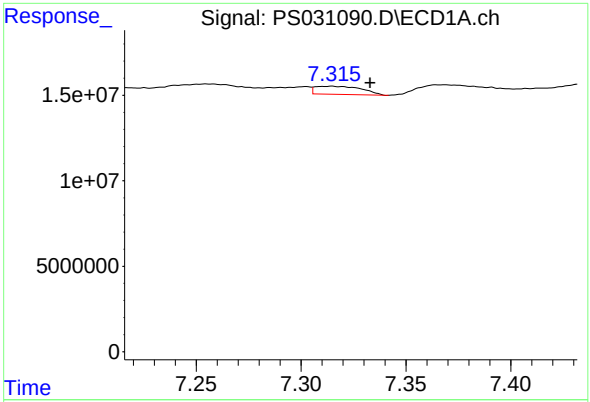
#3 4-Nitrophenol

R.T.: 7.115 min
Delta R.T.: -0.017 min
Response: 13158383
Conc: 9.75 ng/ml



#3 4-Nitrophenol

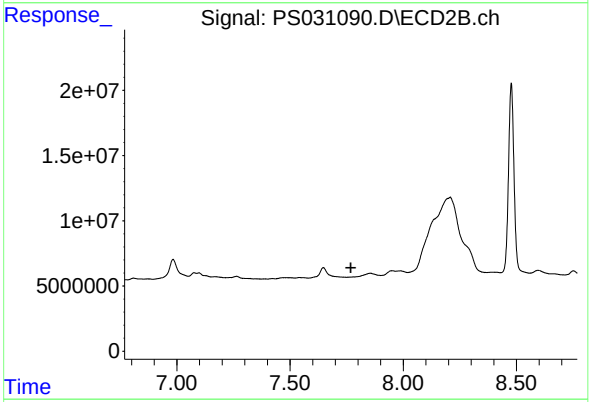
R.T.: 0.000 min
Exp R.T. : 7.301 min
Response: 0
Conc: N.D.



#4 2,4-DCAA

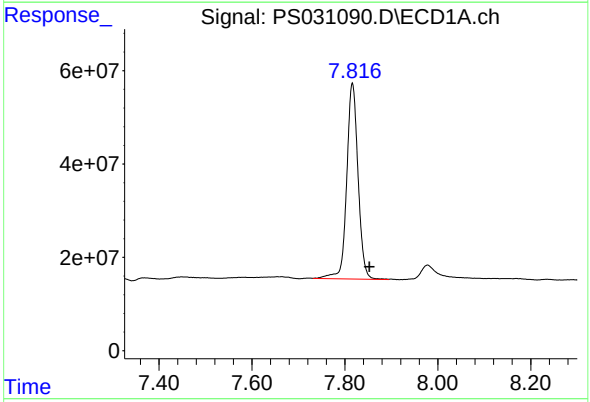
R.T.: 7.315 min
Delta R.T.: -0.018 min
Response: 7357294
Conc: 1.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925



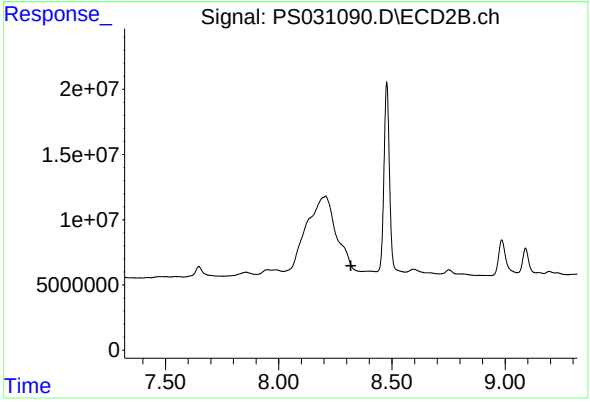
#4 2,4-DCAA

R.T.: 0.000 min
Exp R.T. : 7.769 min
Response: 0
Conc: N.D.



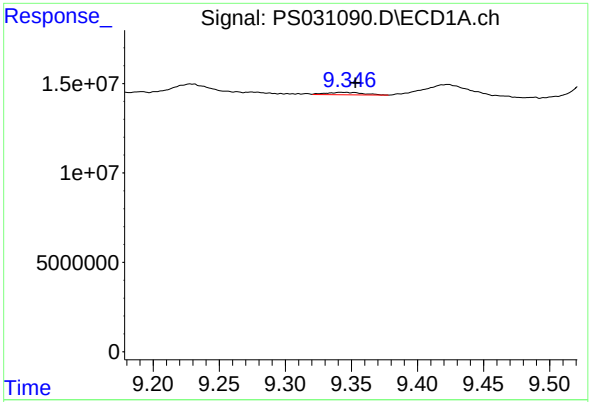
#7 MCPA

R.T.: 7.816 min
Delta R.T.: -0.037 min
Response: 712034295
Conc: 65.28 ug/ml



#7 MCPA

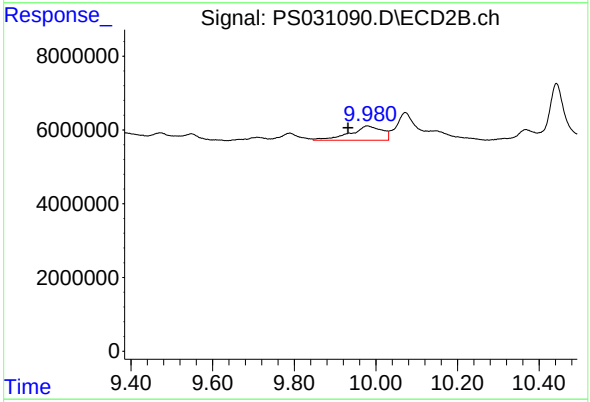
R.T.: 0.000 min
Exp R.T. : 8.319 min
Response: 0
Conc: N.D.



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

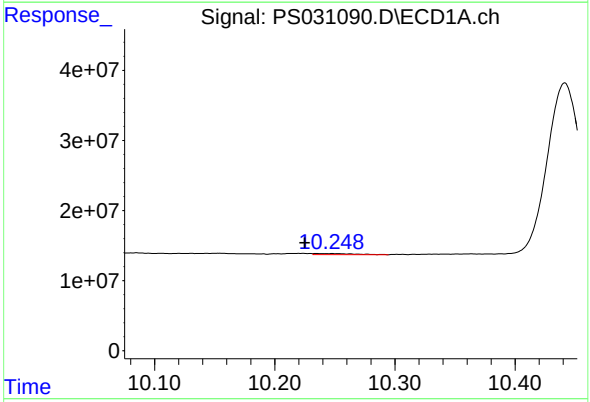
R.T.: 9.342 min
Delta R.T.: -0.011 min
Response: 2620895
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925



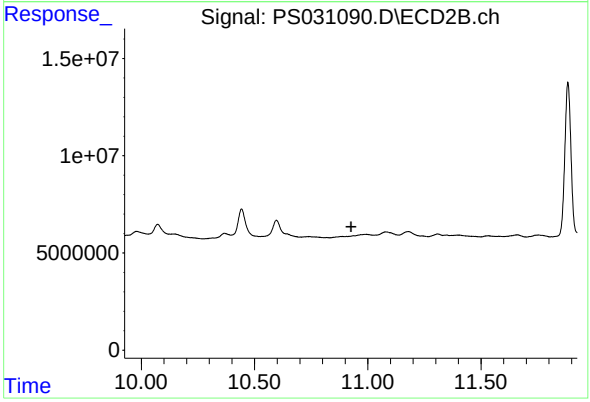
#11 2,4,5-TP (SILVEX)

R.T.: 9.979 min
Delta R.T.: 0.047 min
Response: 21086877
Conc: 1.44 ng/ml



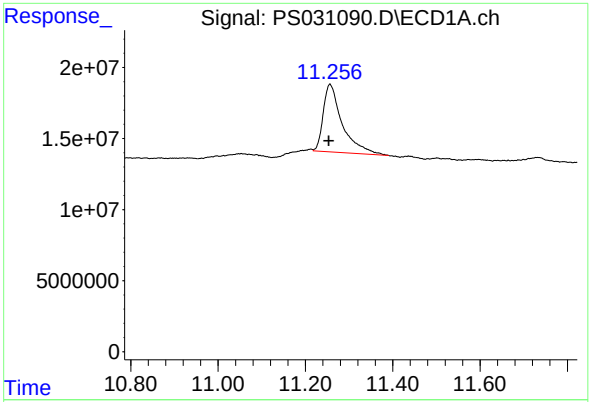
#13 2,4-DB

R.T.: 10.234 min
Delta R.T.: 0.009 min
Response: 3740380
Conc: 1.72 ng/ml



#13 2,4-DB

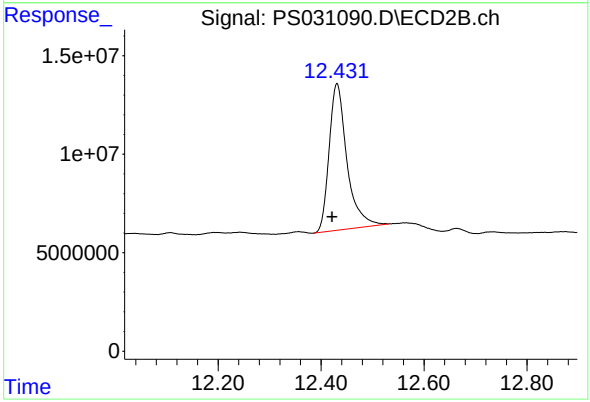
R.T.: 0.000 min
Exp R.T. : 10.926 min
Response: 0
Conc: N.D.



#15 Picloram

R.T.: 11.256 min
Delta R.T.: 0.002 min
Response: 143111166
Conc: 9.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925



#15 Picloram

R.T.: 12.431 min
Delta R.T.: 0.010 min
Response: 178873225
Conc: 7.62 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031100.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 17:04
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 17 22:58:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.329	7.768	2819.6E6	641.9E6	712.900	619.527
	Target Compounds						
1) T	Dalapon	2.694	2.703	3623.5E6	1618.1E6	594.830	569.196
2) T	3,5-DICHL...	6.491	6.715	3406.4E6	883.0E6	650.249	569.542
3) T	4-Nitroph...	7.128	7.301	1094.9E6	1008.0E6	811.065	578.044 #
5) T	DICAMBA	7.518	7.971	10329.3E6	3843.8E6	658.299	593.506
6) T	MCPP	7.699	8.069	597.8E6	125.2E6	64.974	58.557
7) T	MCPA	7.849	8.318	764.4E6	189.1E6	70.084	58.990
8) T	DICHLORPROP	8.230	8.690	2307.9E6	884.2E6	677.756	581.992
9) T	2,4-D	8.462	9.027	2393.3E6	1007.0E6	777.449	592.540
10) T	Pentachlo...	8.769	9.550	36458.1E6	24044.0E6	725.367	623.952
11) T	2,4,5-TP ...	9.348	9.932	13791.3E6	8939.2E6	741.041	609.110
12) T	2,4,5-T	9.642	10.359	13045.7E6	8568.0E6	857.516	612.357 #
13) T	2,4-DB	10.219	10.926	2098.5E6	704.2E6	966.688	595.158 #
14) T	DINOSEB	11.434	11.311	9608.2E6	6661.0E6	728.781	586.792
15) T	Picloram	11.244	12.422	14223.8E6	15018.5E6	976.107	639.611 #
16) T	DCPA	11.731	12.355	18159.6E6	13818.7E6	758.636	612.747

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

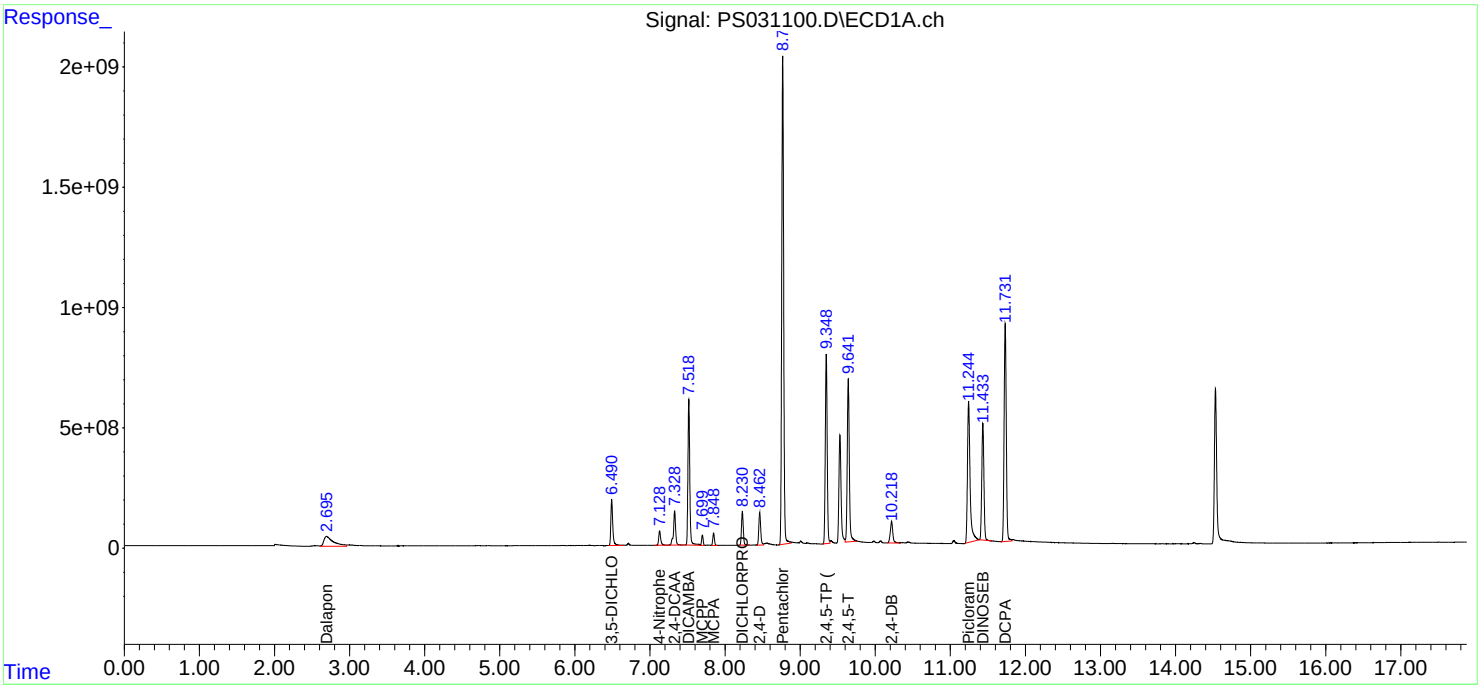
Quantitation Report (Not Reviewed)

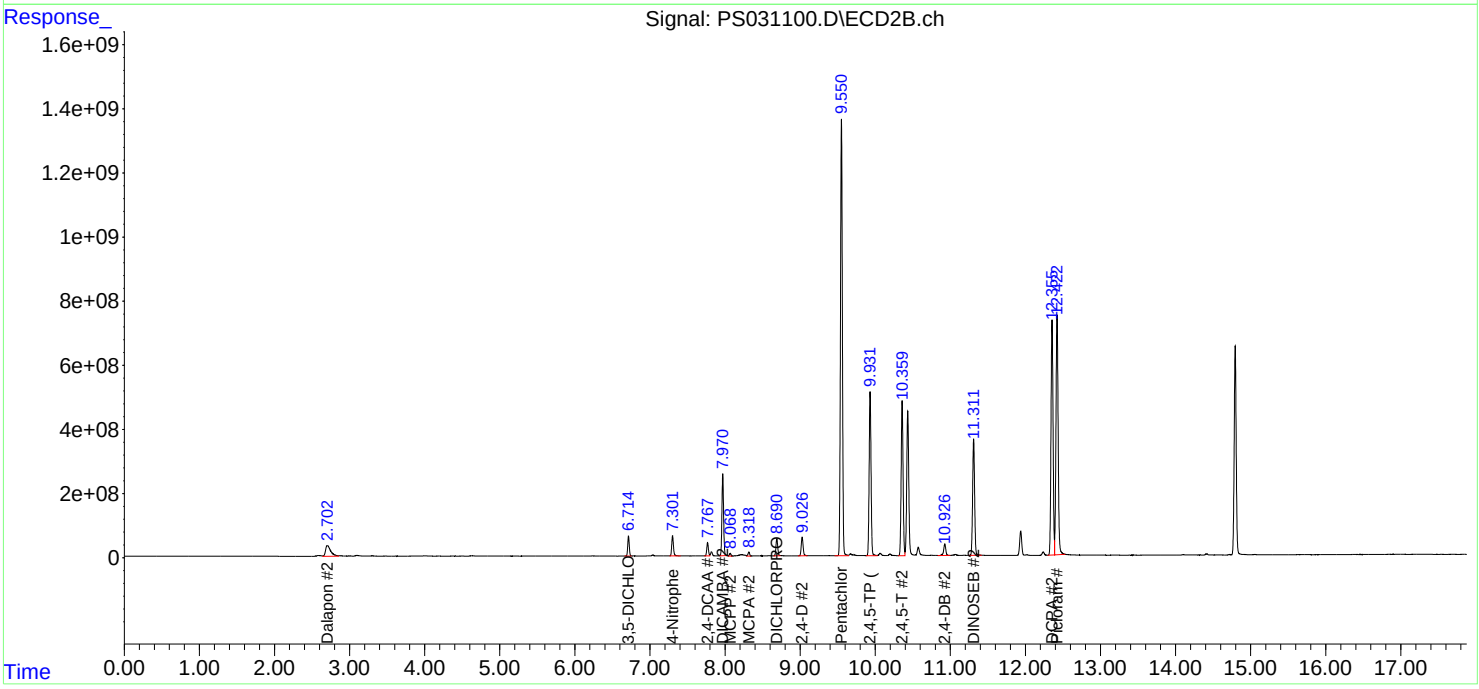
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031100.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 17:04
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

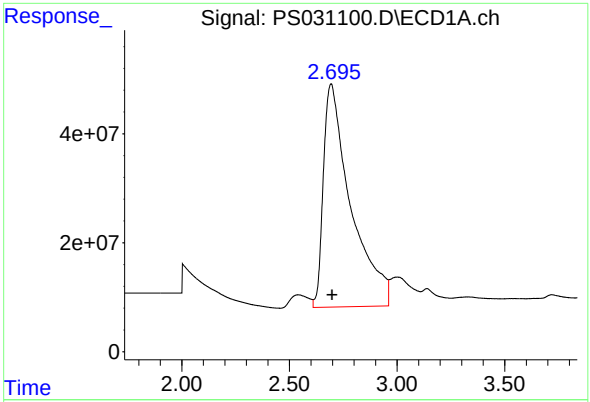
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 22:58:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



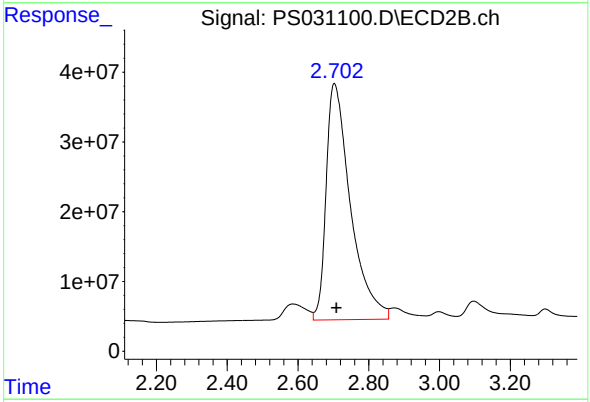




#1 Dalapon

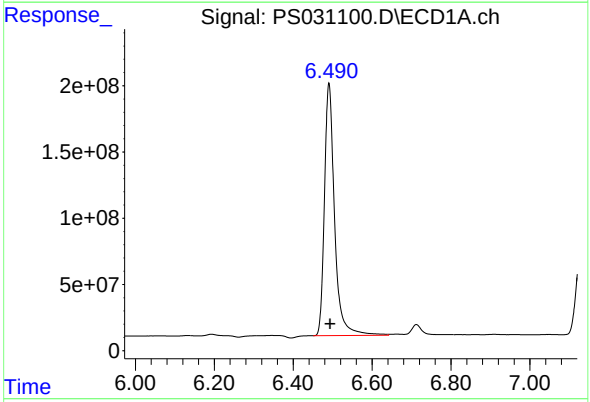
R.T.: 2.694 min
Delta R.T.: -0.004 min
Response: 3623542420
Conc: 594.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



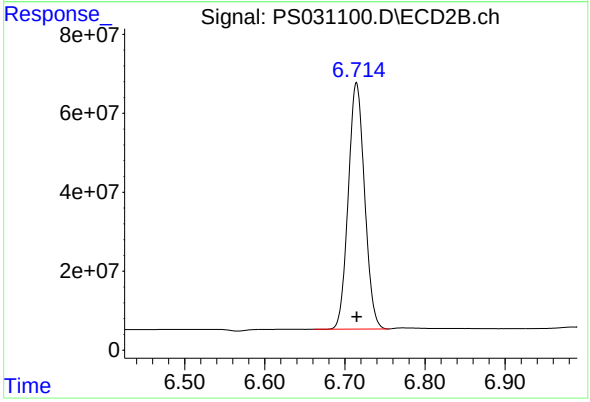
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: -0.006 min
Response: 1618145234
Conc: 569.20 ng/ml



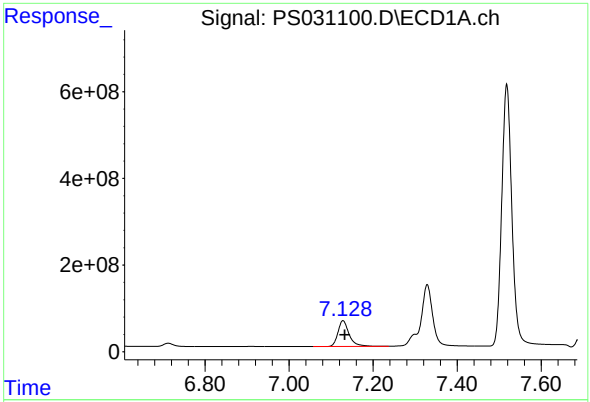
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.491 min
Delta R.T.: -0.003 min
Response: 3406394363
Conc: 650.25 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

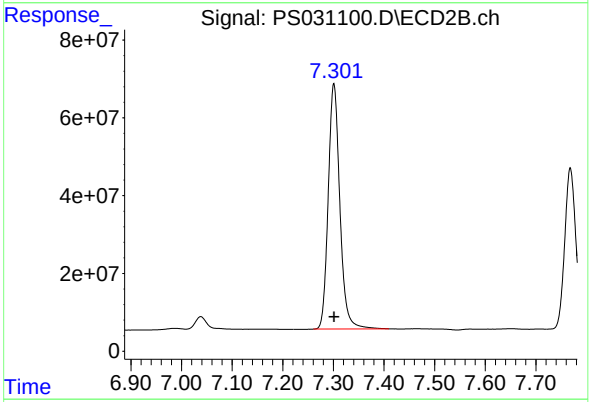
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 882982182
Conc: 569.54 ng/ml



#3 4-Nitrophenol

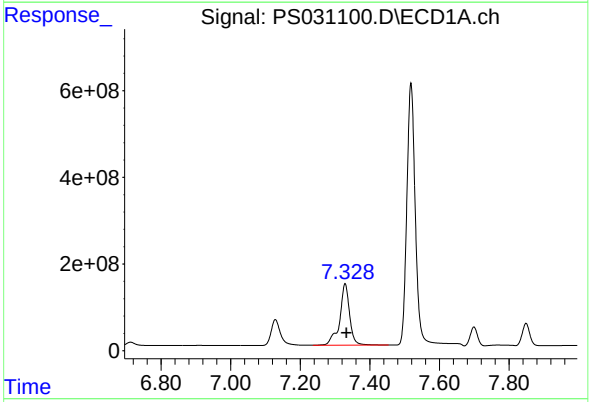
R.T.: 7.128 min
Delta R.T.: -0.004 min
Response: 1094944593
Conc: 811.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



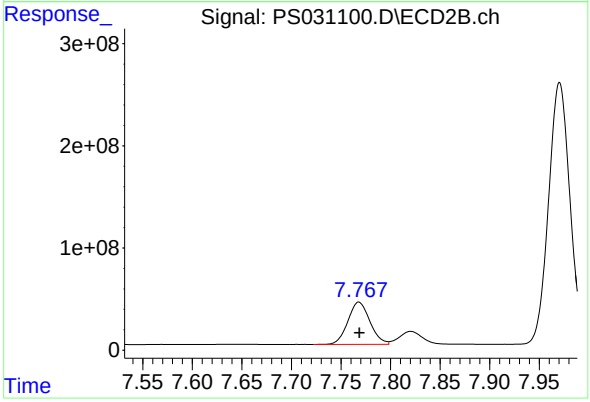
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1008044439
Conc: 578.04 ng/ml



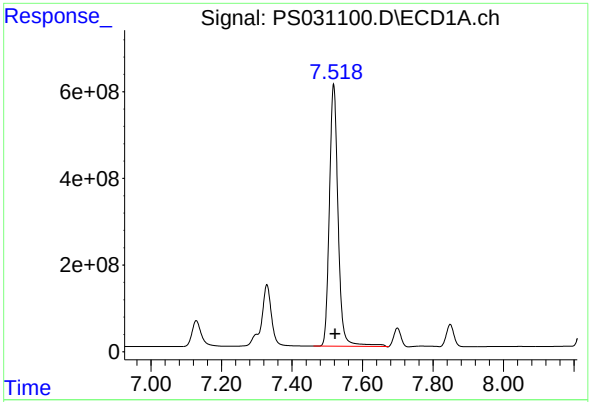
#4 2,4-DCAA

R.T.: 7.329 min
Delta R.T.: -0.004 min
Response: 2819573401
Conc: 712.90 ng/ml



#4 2,4-DCAA

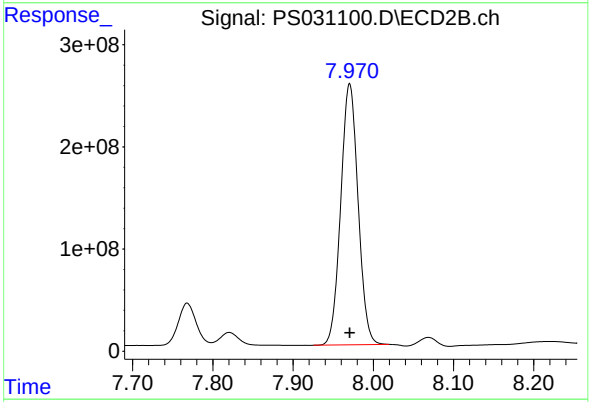
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 641850573
Conc: 619.53 ng/ml



#5 DICAMBA

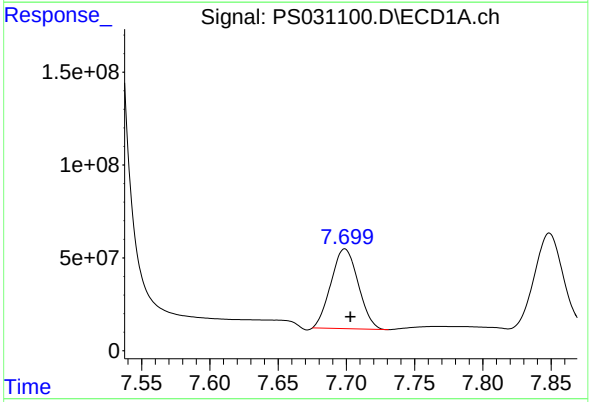
R.T.: 7.518 min
Delta R.T.: -0.004 min
Response: 10329314038
Conc: 658.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



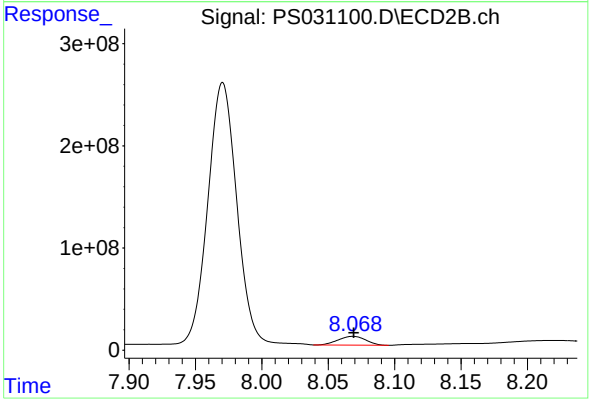
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 3843794306
Conc: 593.51 ng/ml



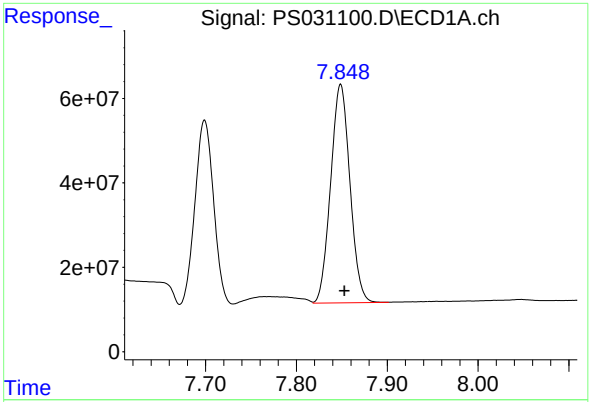
#6 MCPP

R.T.: 7.699 min
Delta R.T.: -0.004 min
Response: 597840835
Conc: 64.97 ug/ml



#6 MCPP

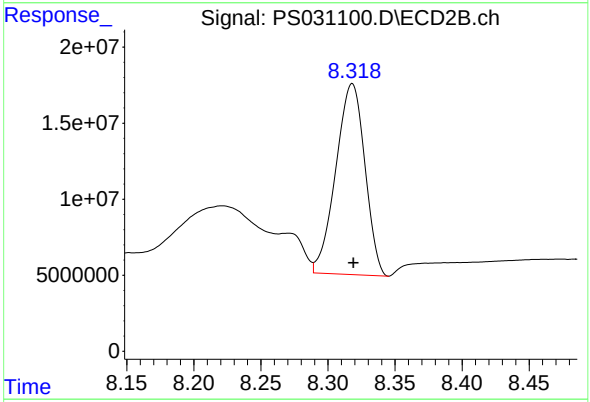
R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 125191108
Conc: 58.56 ug/ml



#7 MCPA

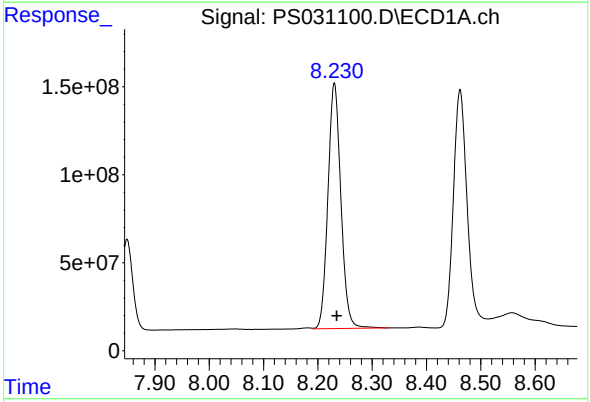
R.T.: 7.849 min
Delta R.T.: -0.004 min
Response: 764395973
Conc: 70.08 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



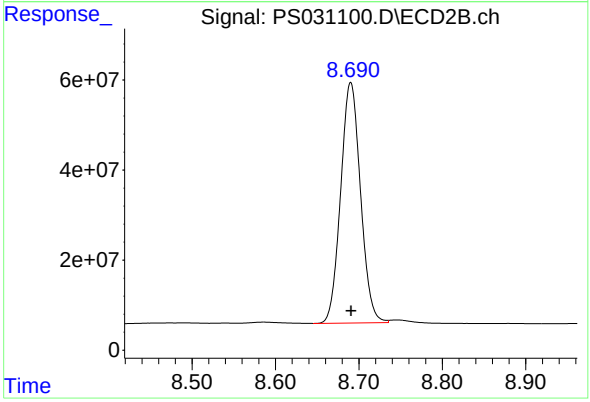
#7 MCPA

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 189101501
Conc: 58.99 ug/ml



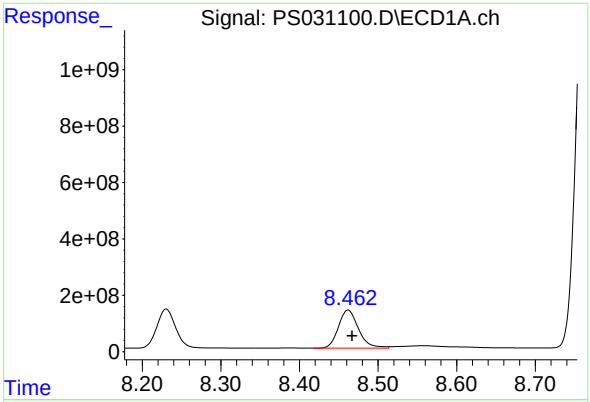
#8 DICHLORPROP

R.T.: 8.230 min
Delta R.T.: -0.004 min
Response: 2307865052
Conc: 677.76 ng/ml



#8 DICHLORPROP

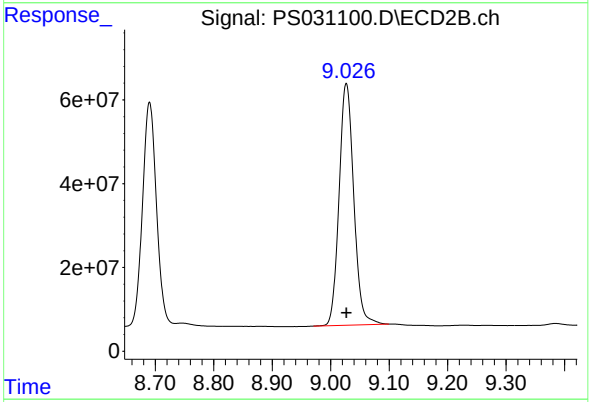
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 884197667
Conc: 581.99 ng/ml



#9 2,4-D

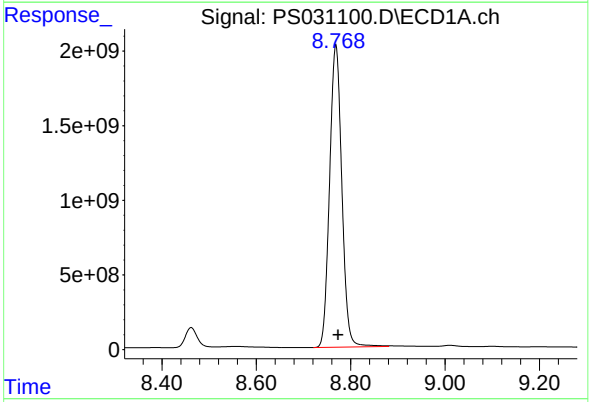
R.T.: 8.462 min
Delta R.T.: -0.005 min
Response: 2393327959
Conc: 777.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



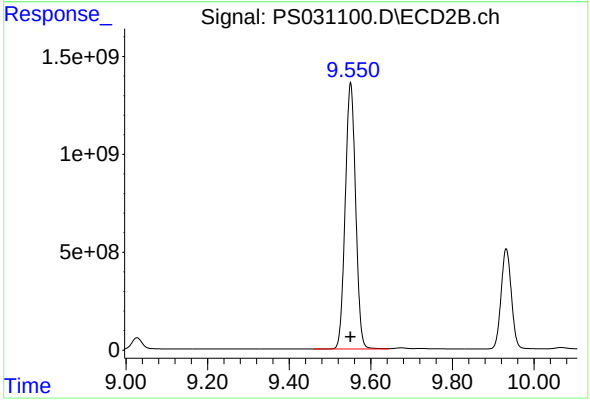
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1007000146
Conc: 592.54 ng/ml



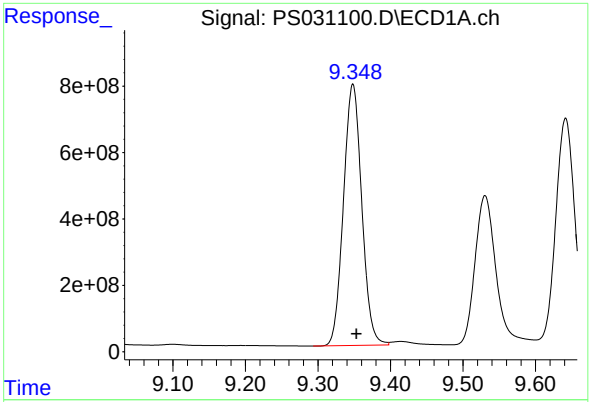
#10 Pentachlorophenol

R.T.: 8.769 min
Delta R.T.: -0.005 min
Response: 36458071708
Conc: 725.37 ng/ml



#10 Pentachlorophenol

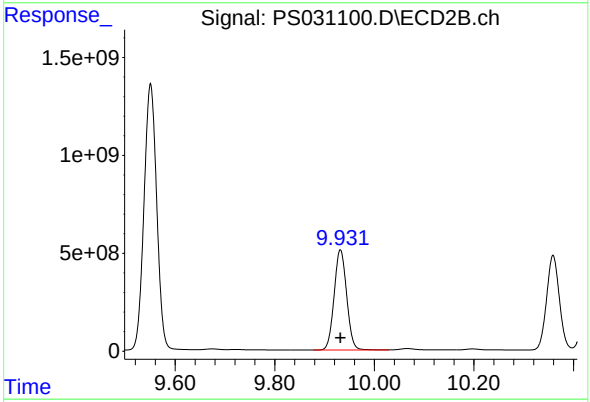
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 24044010809
Conc: 623.95 ng/ml



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

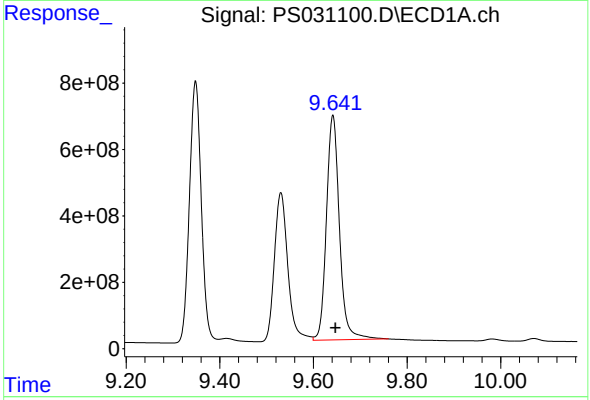
R.T.: 9.348 min
Delta R.T.: -0.005 min
Response: 13791313195
Conc: 741.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



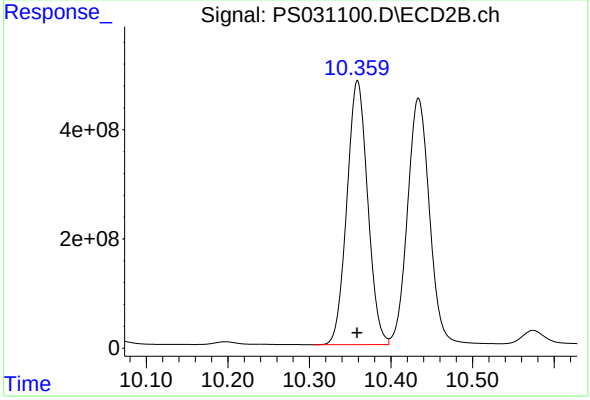
#11 2,4,5-TP (SILVEX)

R.T.: 9.932 min
Delta R.T.: 0.000 min
Response: 8939161888
Conc: 609.11 ng/ml



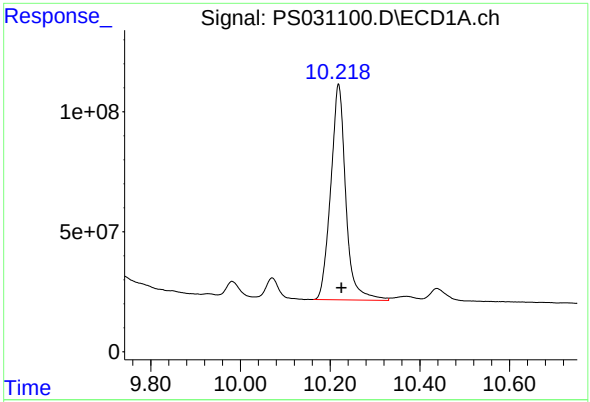
#12 2,4,5-T

R.T.: 9.642 min
Delta R.T.: -0.005 min
Response: 13045659886
Conc: 857.52 ng/ml



#12 2,4,5-T

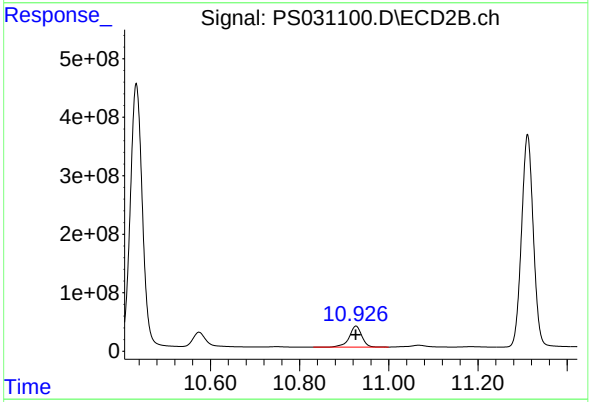
R.T.: 10.359 min
Delta R.T.: 0.000 min
Response: 8567980632
Conc: 612.36 ng/ml



#13 2,4-DB

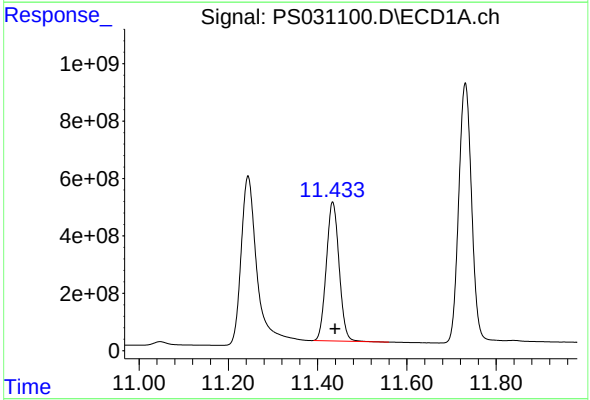
R.T.: 10.219 min
Delta R.T.: -0.006 min
Response: 2098477127
Conc: 966.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



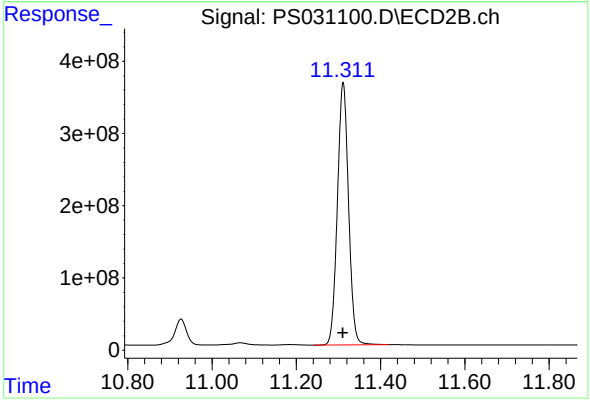
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 704180162
Conc: 595.16 ng/ml



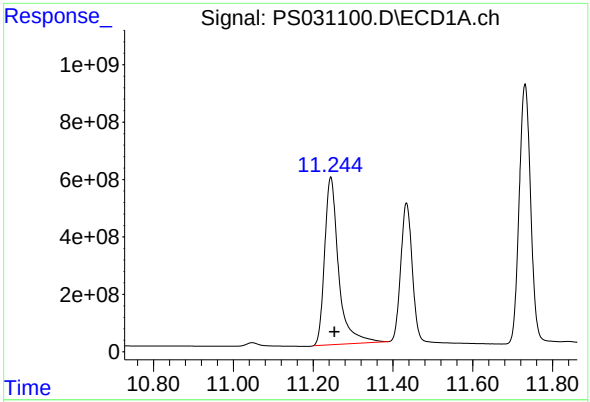
#14 DINOSEB

R.T.: 11.434 min
Delta R.T.: -0.005 min
Response: 9608179812
Conc: 728.78 ng/ml



#14 DINOSEB

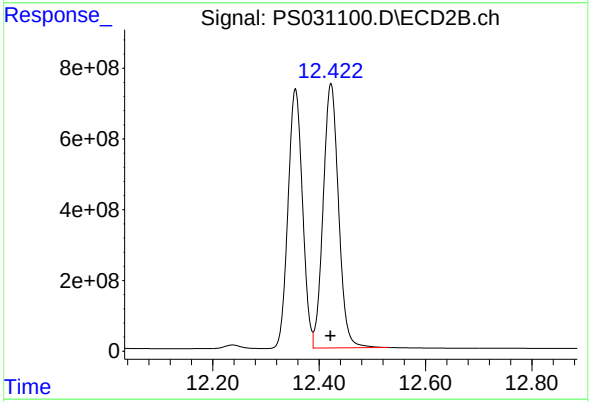
R.T.: 11.311 min
Delta R.T.: 0.000 min
Response: 6660981278
Conc: 586.79 ng/ml



#15 Picloram

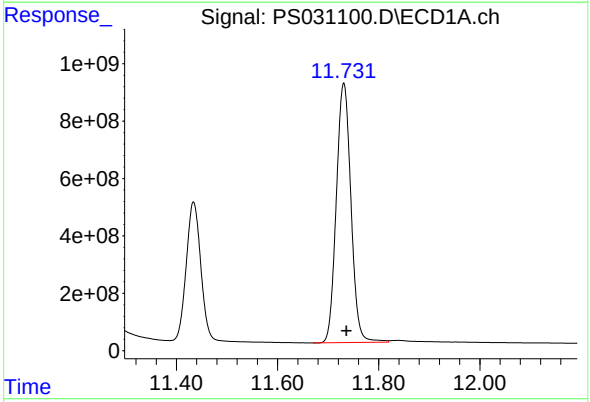
R.T.: 11.244 min
Delta R.T.: -0.010 min
Response: 14223784073
Conc: 976.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



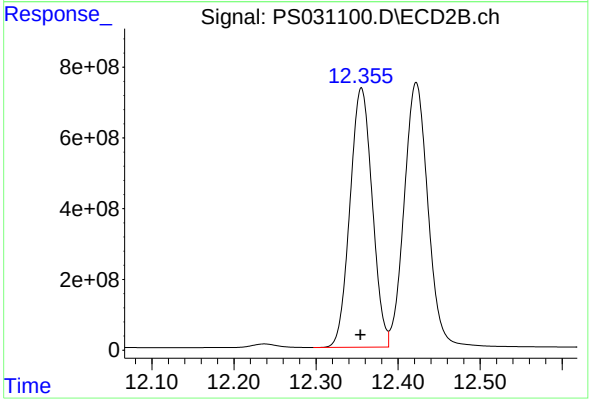
#15 Picloram

R.T.: 12.422 min
Delta R.T.: 0.000 min
Response: 15018495291
Conc: 639.61 ng/ml



#16 DCPA

R.T.: 11.731 min
Delta R.T.: -0.005 min
Response: 18159594382
Conc: 758.64 ng/ml



#16 DCPA

R.T.: 12.355 min
Delta R.T.: 0.001 min
Response: 13818667592
Conc: 612.75 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 21:13
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 23:04:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.327	7.768	2546.8E6	647.3E6	643.926	624.760
	Target Compounds						
1) T	Dalapon	2.693	2.706	3589.3E6	1680.0E6	589.206	590.941
2) T	3,5-DICHL...	6.490	6.715	3454.8E6	888.9E6	659.487	573.346
3) T	4-Nitroph...	7.127	7.301	1121.9E6	1016.0E6	830.998	582.587 #
5) T	DICAMBA	7.517	7.970	10486.4E6	3858.0E6	668.309	595.704
6) T	MCPP	7.698	8.068	585.6E6	127.3E6	63.639	59.556
7) T	MCPA	7.848	8.317	773.8E6	189.2E6	70.950	59.012
8) T	DICHLORPROP	8.229	8.690	2330.1E6	894.9E6	684.276	589.068
9) T	2,4-D	8.461	9.027	2414.6E6	1011.6E6	784.346	595.252
10) T	Pentachlo...	8.768	9.550	36997.7E6	24233.0E6	736.103	628.857
11) T	2,4,5-TP ...	9.347	9.931	13909.0E6	8975.1E6	747.362	611.561
12) T	2,4,5-T	9.640	10.358	13108.6E6	8608.9E6	861.653	615.280 #
13) T	2,4-DB	10.217	10.926	2112.8E6	713.5E6	973.273	603.061 #
14) T	DINOSEB	11.433	11.310	9491.4E6	6590.9E6	719.923	580.614
15) T	Picloram	11.244	12.421	14105.0E6	15119.1E6	967.954	643.895 #
16) T	DCPA	11.730	12.354	18307.5E6	13882.8E6	764.816	615.592

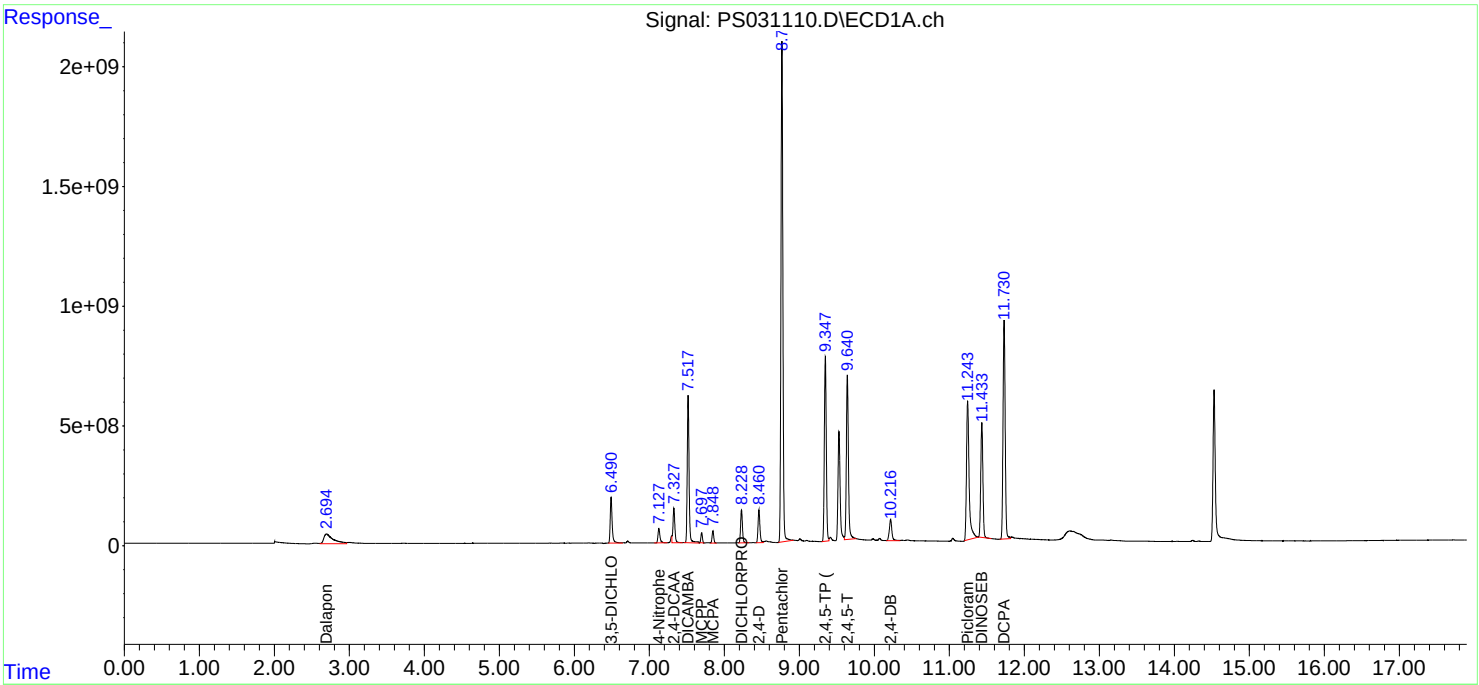
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

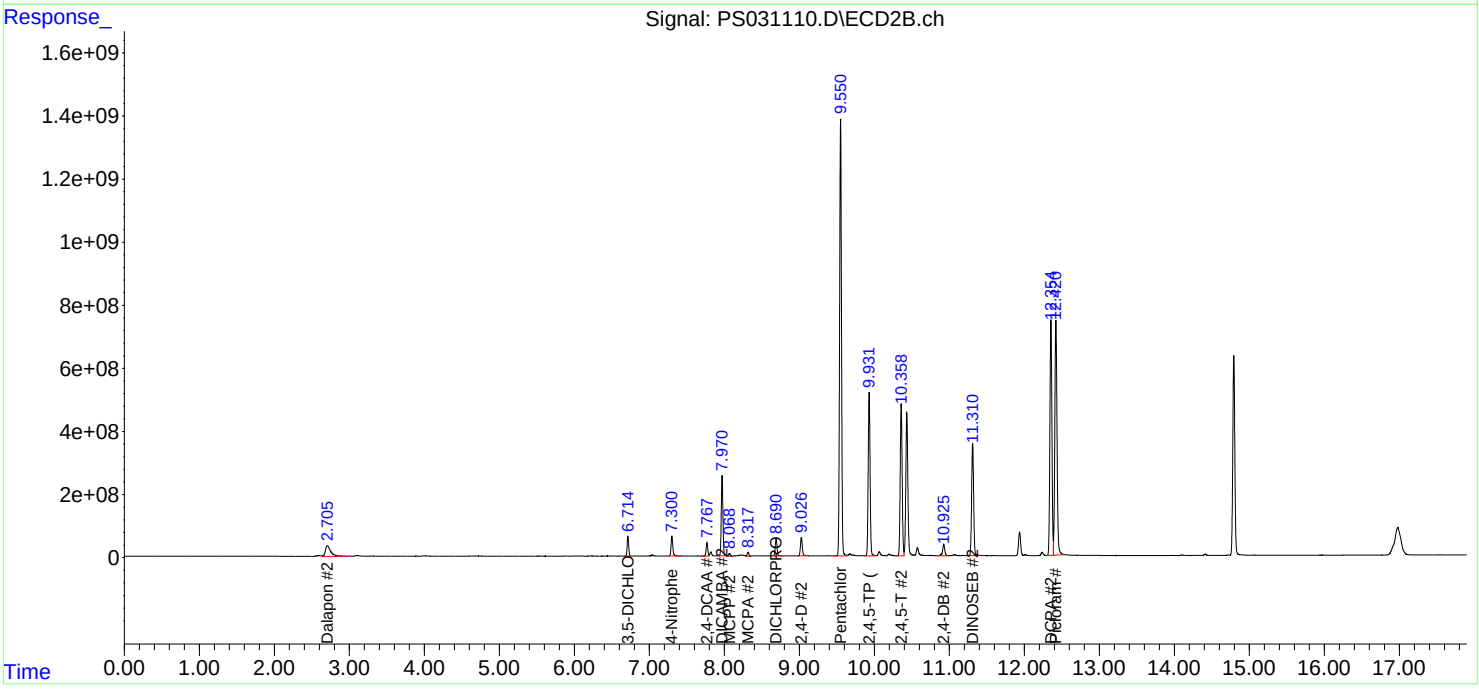
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071725\
Data File : PS031110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Jul 2025 21:13
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

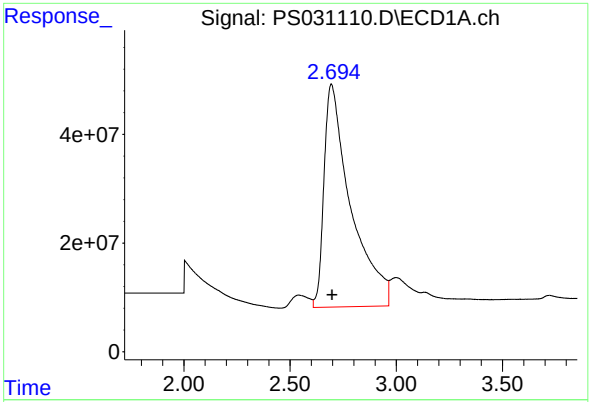
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 23:04:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



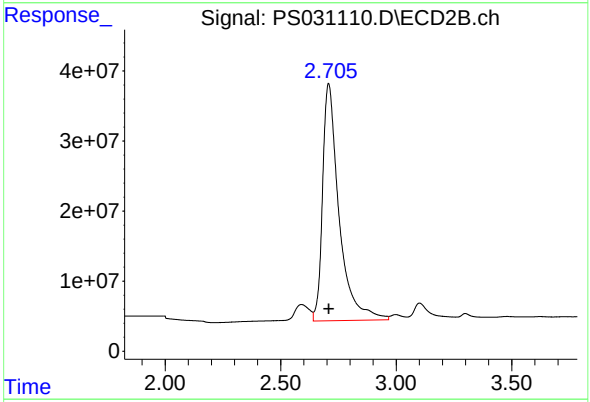




#1 Dalapon

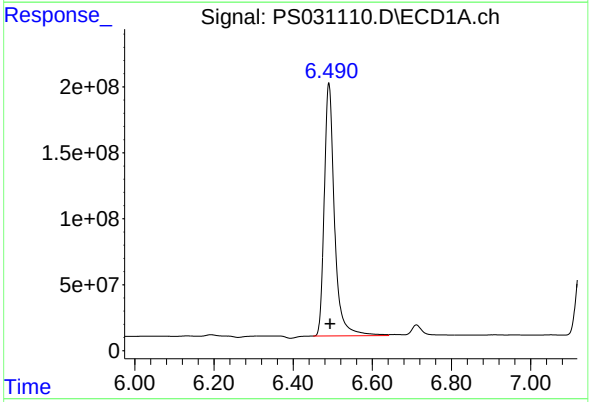
R.T.: 2.693 min
Delta R.T.: -0.005 min
Response: 3589281201
Conc: 589.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



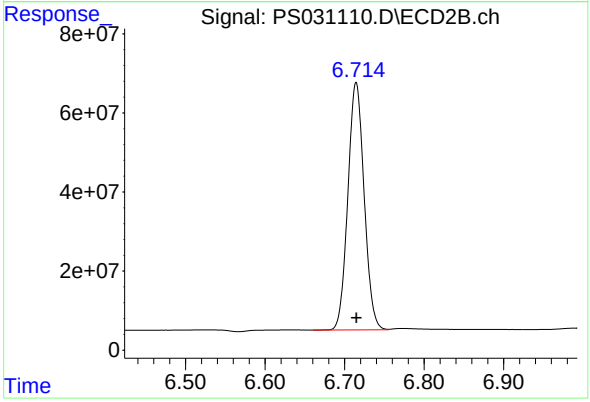
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: -0.002 min
Response: 1679962597
Conc: 590.94 ng/ml



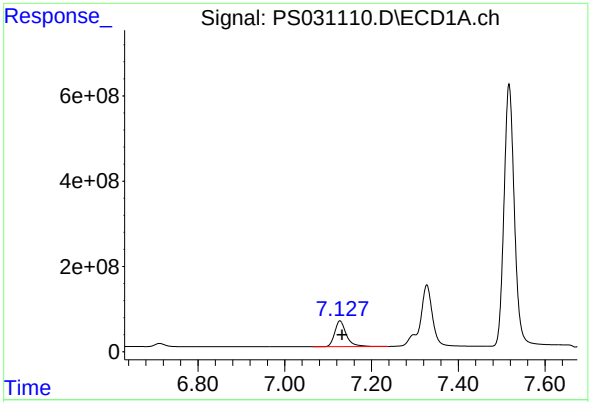
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.490 min
Delta R.T.: -0.004 min
Response: 3454787376
Conc: 659.49 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

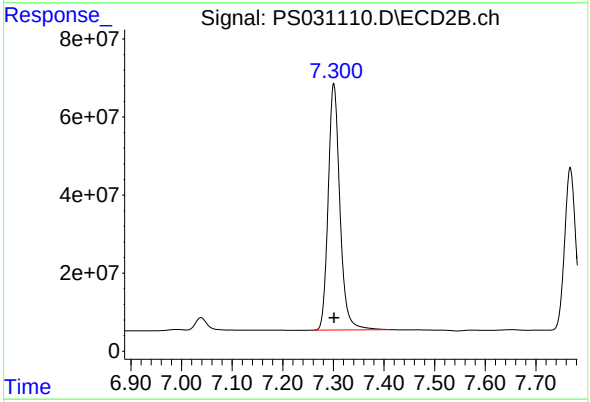
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 888879051
Conc: 573.35 ng/ml



#3 4-Nitrophenol

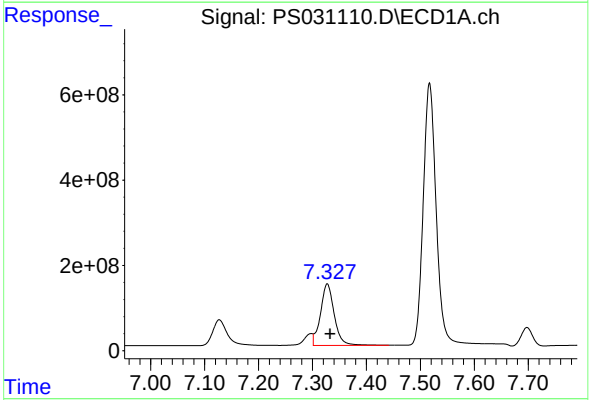
R.T.: 7.127 min
Delta R.T.: -0.005 min
Response: 1121853209
Conc: 831.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



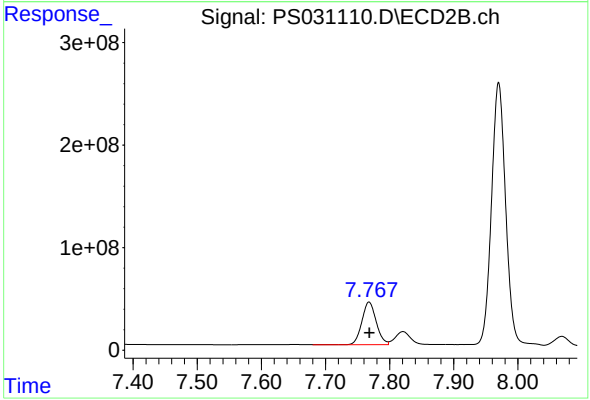
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1015967515
Conc: 582.59 ng/ml



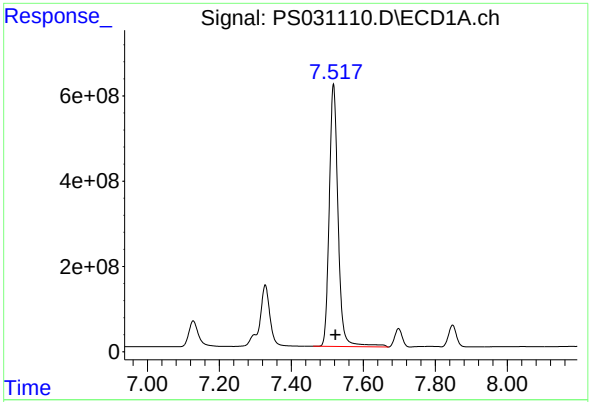
#4 2,4-DCAA

R.T.: 7.327 min
Delta R.T.: -0.005 min
Response: 2546775828
Conc: 643.93 ng/ml



#4 2,4-DCAA

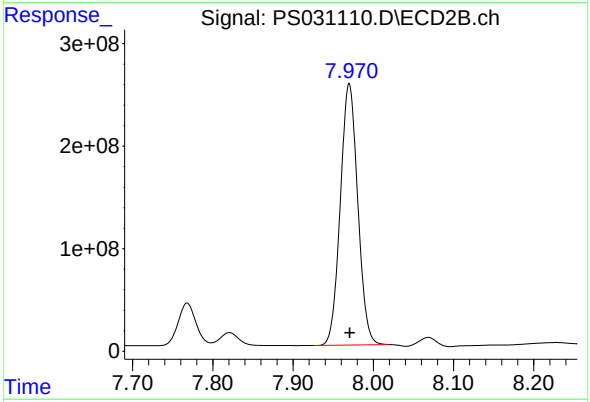
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 647271971
Conc: 624.76 ng/ml



#5 DICAMBA

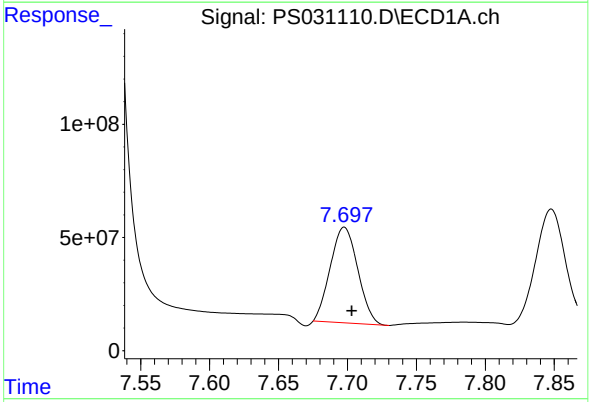
R.T.: 7.517 min
Delta R.T.: -0.005 min
Response: 10486370254
Conc: 668.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



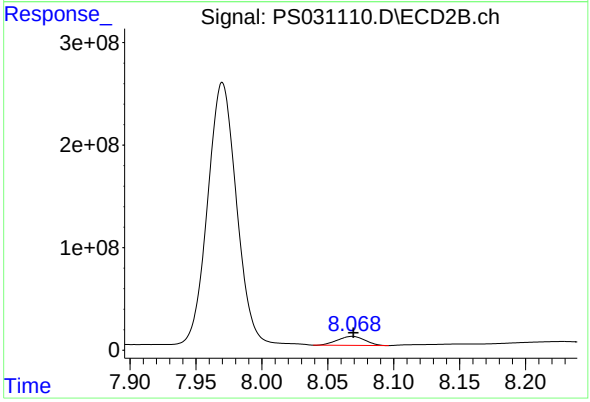
#5 DICAMBA

R.T.: 7.970 min
Delta R.T.: 0.000 min
Response: 3858027343
Conc: 595.70 ng/ml



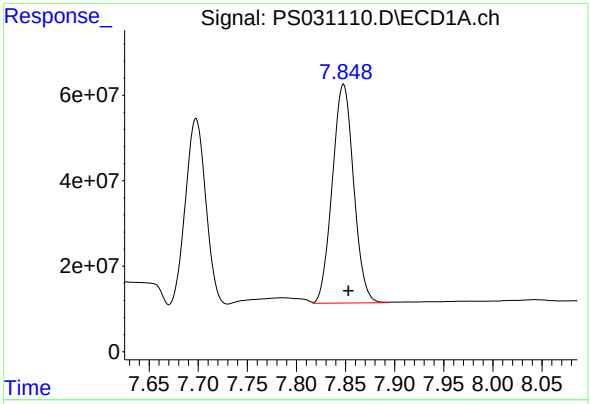
#6 MCPP

R.T.: 7.698 min
Delta R.T.: -0.005 min
Response: 585561188
Conc: 63.64 ug/ml



#6 MCPP

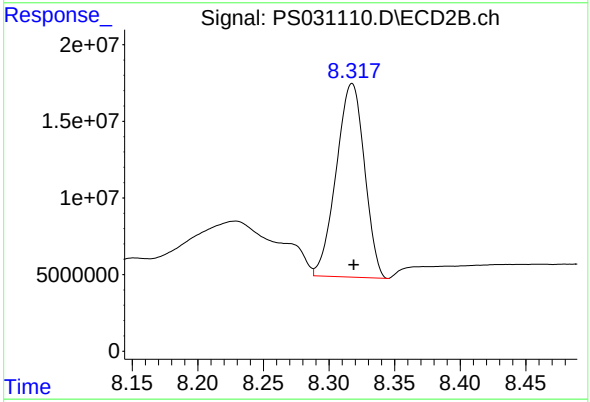
R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 127327147
Conc: 59.56 ug/ml



#7 MCPA

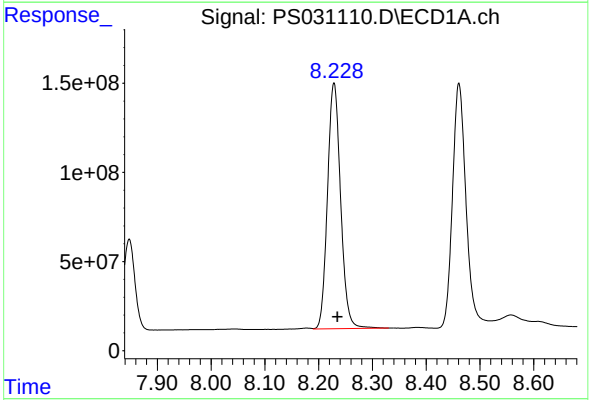
R.T.: 7.848 min
Delta R.T.: -0.005 min
Response: 773835488
Conc: 70.95 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



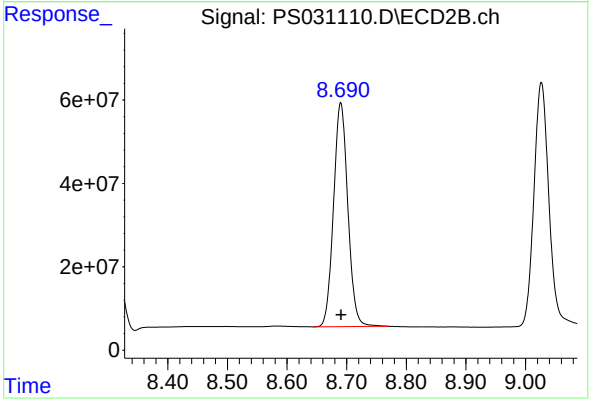
#7 MCPA

R.T.: 8.317 min
Delta R.T.: -0.001 min
Response: 189171656
Conc: 59.01 ug/ml



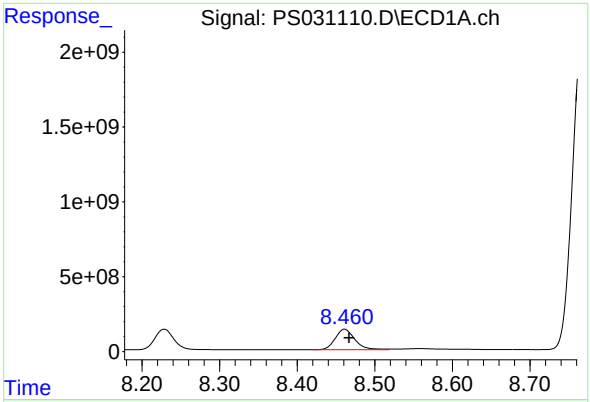
#8 DICHLORPROP

R.T.: 8.229 min
Delta R.T.: -0.006 min
Response: 2330066838
Conc: 684.28 ng/ml



#8 DICHLORPROP

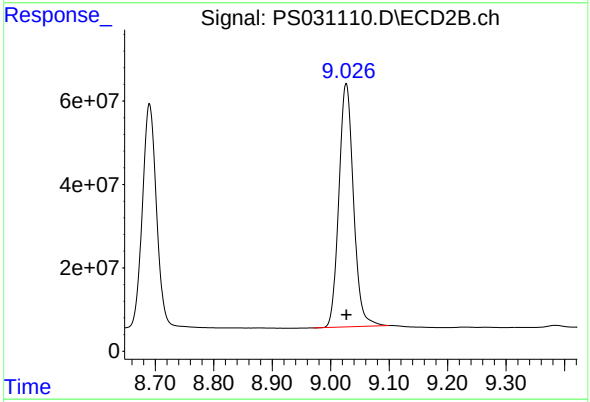
R.T.: 8.690 min
Delta R.T.: 0.000 min
Response: 894948075
Conc: 589.07 ng/ml



#9 2,4-D

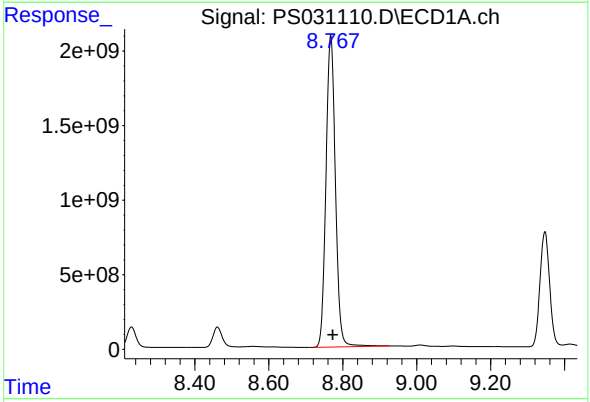
R.T.: 8.461 min
Delta R.T.: -0.006 min
Response: 2414558796
Conc: 784.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



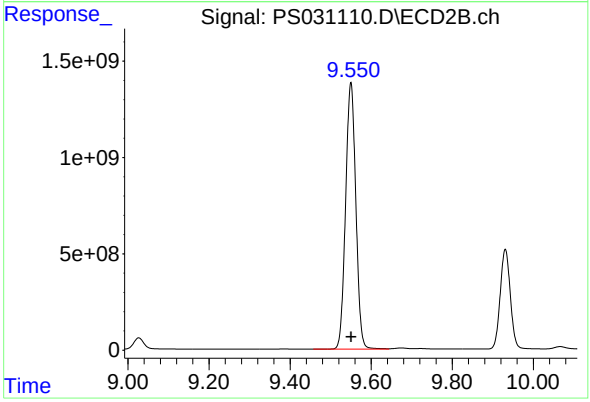
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: 0.000 min
Response: 1011609650
Conc: 595.25 ng/ml



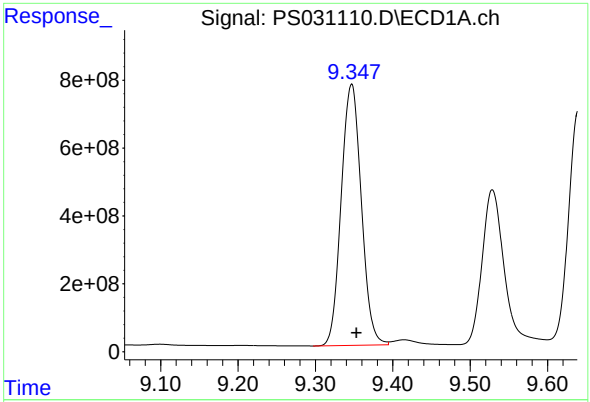
#10 Pentachlorophenol

R.T.: 8.768 min
Delta R.T.: -0.006 min
Response: 36997665821
Conc: 736.10 ng/ml



#10 Pentachlorophenol

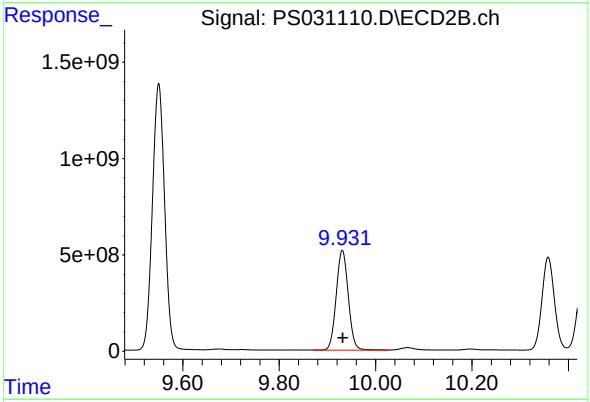
R.T.: 9.550 min
Delta R.T.: 0.000 min
Response: 24233027089
Conc: 628.86 ng/ml



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

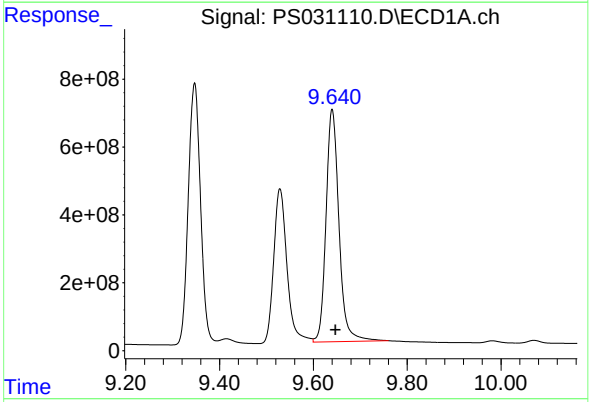
R.T.: 9.347 min
Delta R.T.: -0.006 min
Response: 13908952437
Conc: 747.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



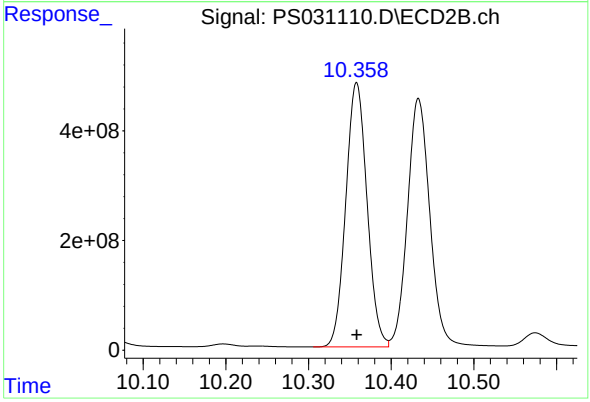
#11 2,4,5-TP (SILVEX)

R.T.: 9.931 min
Delta R.T.: 0.000 min
Response: 8975134496
Conc: 611.56 ng/ml



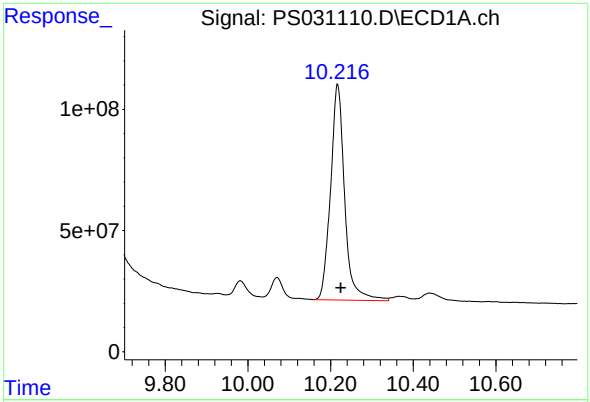
#12 2,4,5-T

R.T.: 9.640 min
Delta R.T.: -0.007 min
Response: 13108596727
Conc: 861.65 ng/ml



#12 2,4,5-T

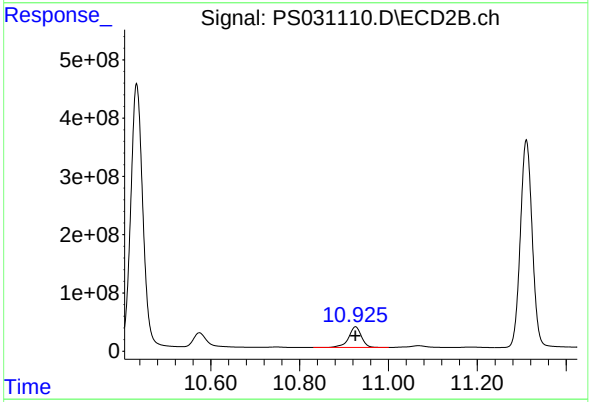
R.T.: 10.358 min
Delta R.T.: 0.000 min
Response: 8608878381
Conc: 615.28 ng/ml



#13 2,4-DB

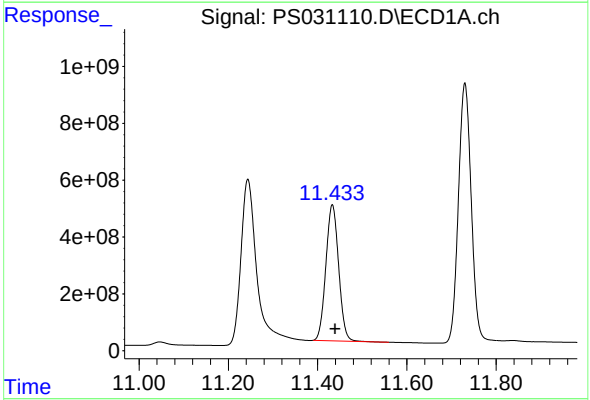
R.T.: 10.217 min
Delta R.T.: -0.008 min
Response: 2112771725
Conc: 973.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



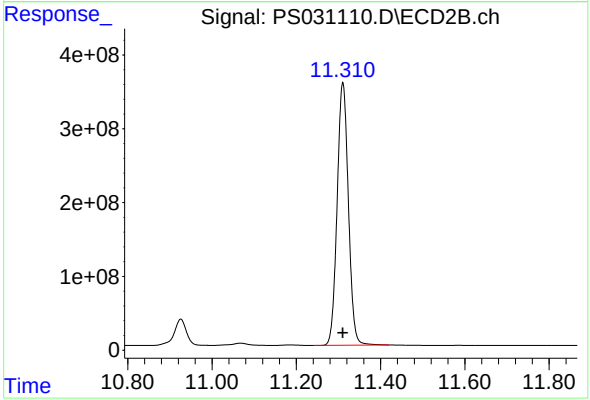
#13 2,4-DB

R.T.: 10.926 min
Delta R.T.: 0.000 min
Response: 713530795
Conc: 603.06 ng/ml



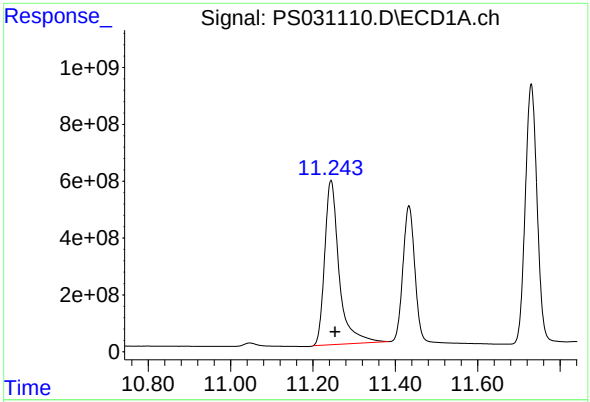
#14 DINOSEB

R.T.: 11.433 min
Delta R.T.: -0.006 min
Response: 9491399076
Conc: 719.92 ng/ml



#14 DINOSEB

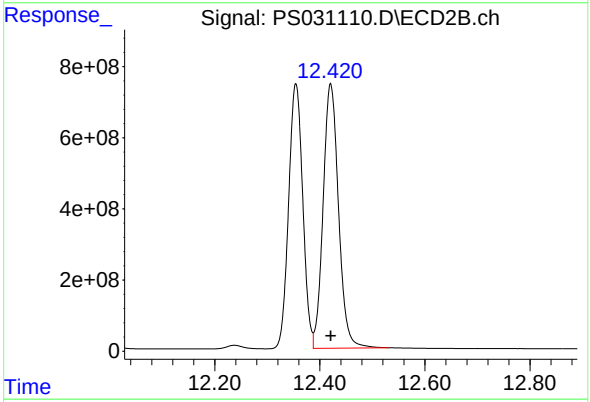
R.T.: 11.310 min
Delta R.T.: 0.000 min
Response: 6590854753
Conc: 580.61 ng/ml



#15 Picloram

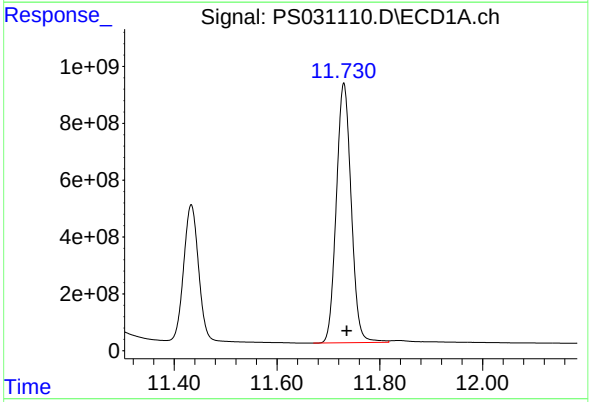
R.T.: 11.244 min
Delta R.T.: -0.010 min
Response: 14104969747
Conc: 967.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



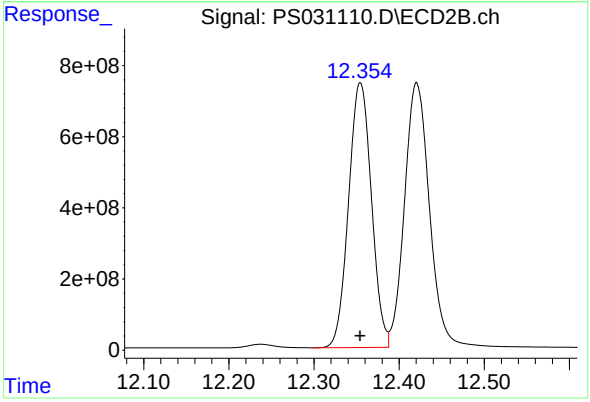
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 15119074468
Conc: 643.89 ng/ml



#16 DCPA

R.T.: 11.730 min
Delta R.T.: -0.006 min
Response: 18307533806
Conc: 764.82 ng/ml



#16 DCPA

R.T.: 12.354 min
Delta R.T.: 0.000 min
Response: 13882818447
Conc: 615.59 ng/ml

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

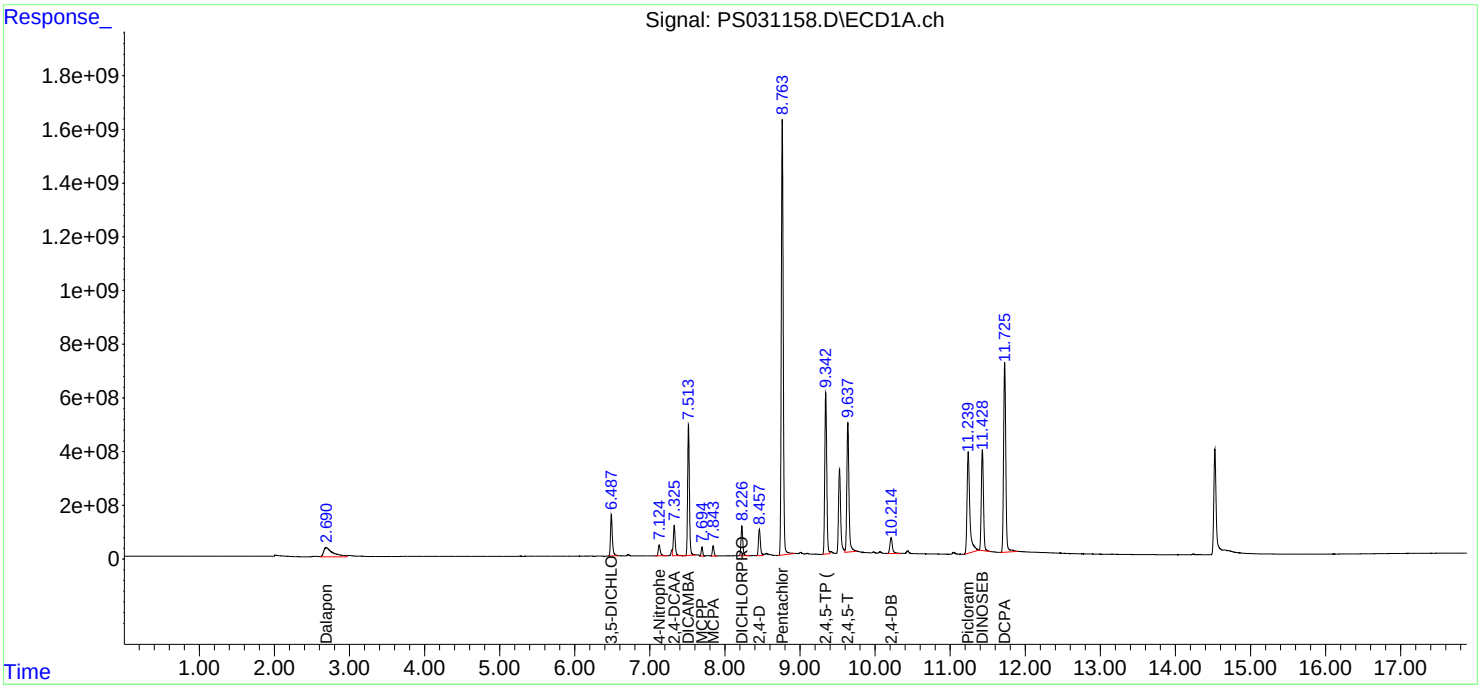
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

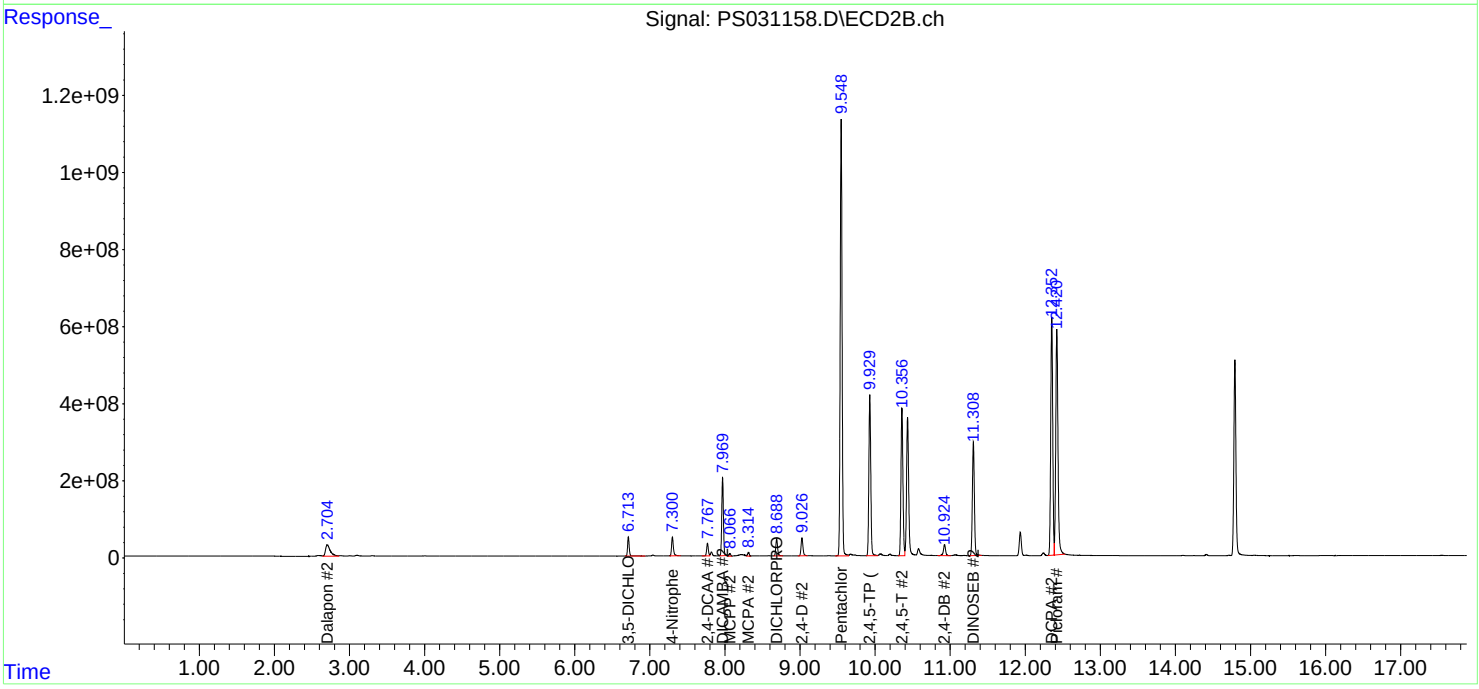
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031158.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:26
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

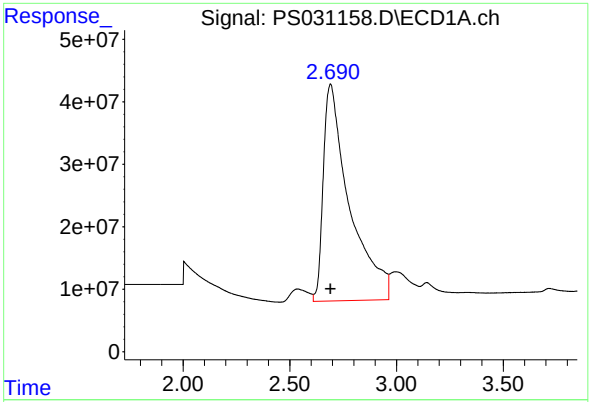
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

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 0.32mm x 0.25µm



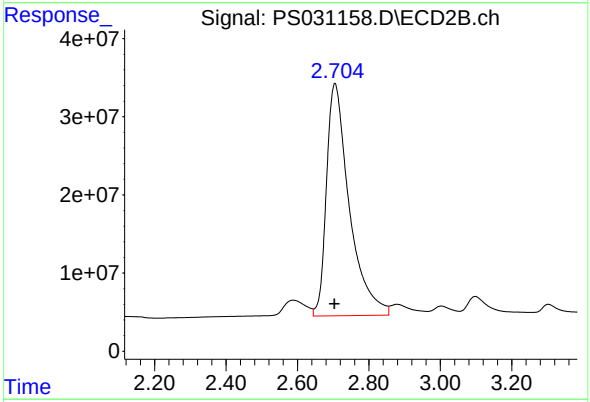




#1 Dalapon

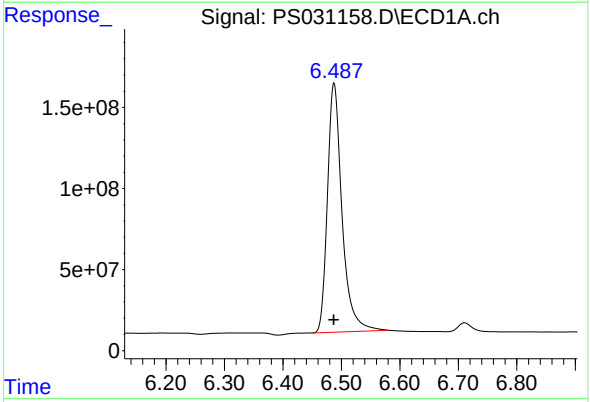
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 2959298028
Conc: 478.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



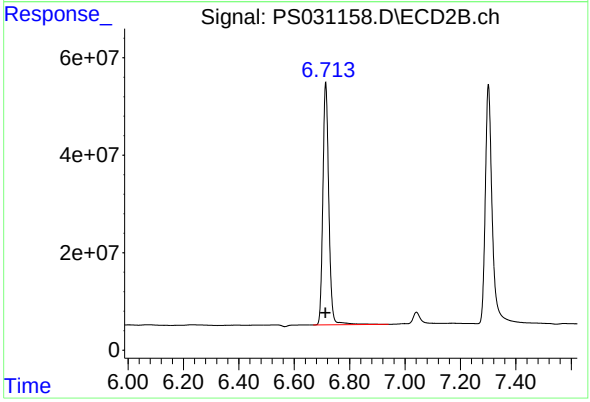
#1 Dalapon

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



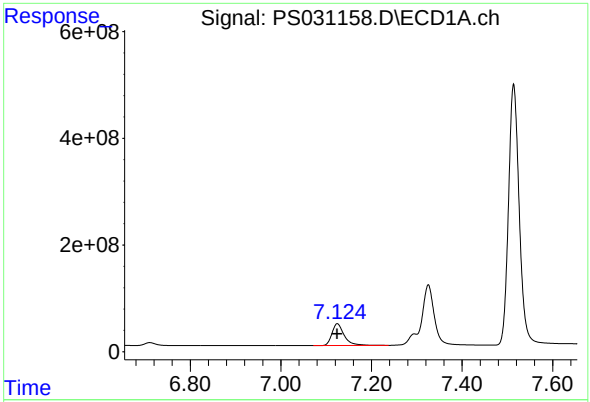
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

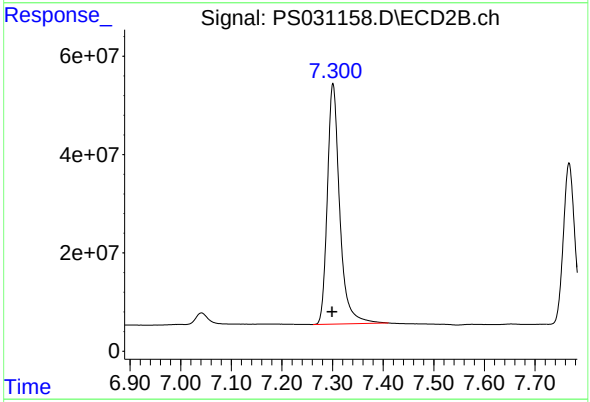
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 740511149
Conc: 497.02 ng/ml



#3 4-Nitrophenol

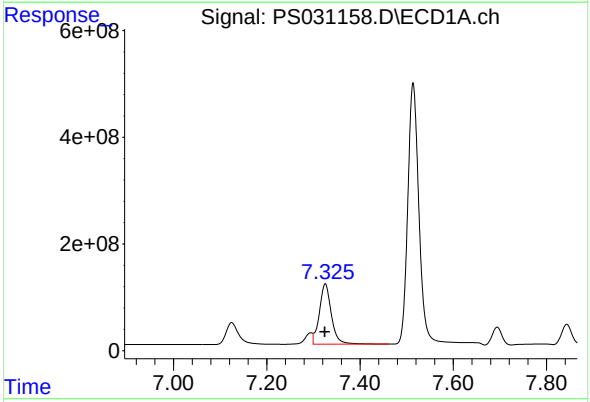
R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 767894643
Conc: 478.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



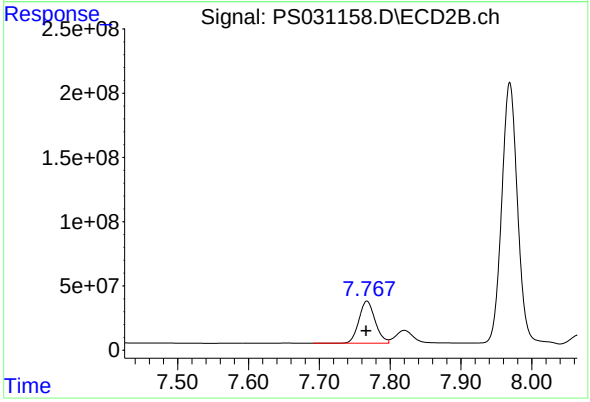
#3 4-Nitrophenol

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



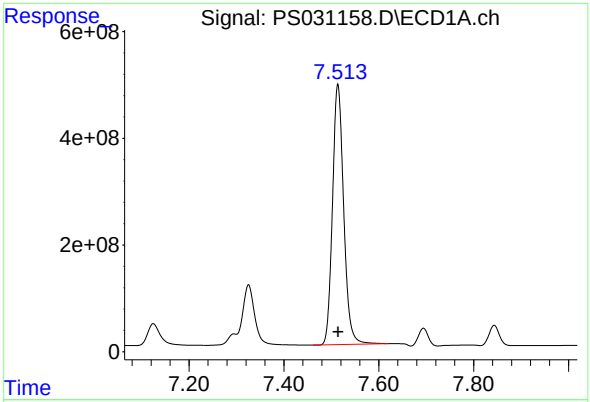
#4 2,4-DCAA

R.T.: 7.326 min
Delta R.T.: 0.001 min
Response: 2018803577
Conc: 475.16 ng/ml



#4 2,4-DCAA

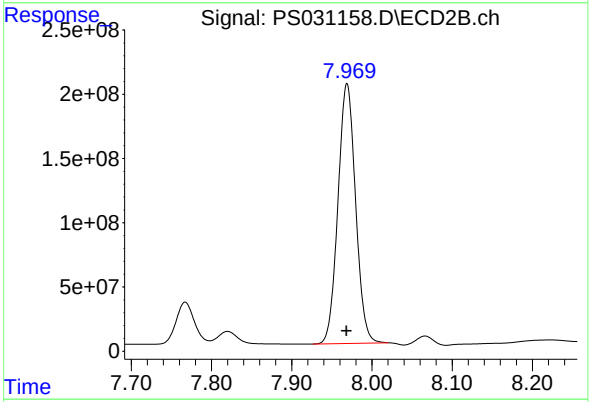
R.T.: 7.767 min
Delta R.T.: 0.001 min
Response: 519906660
Conc: 526.01 ng/ml



#5 DICAMBA

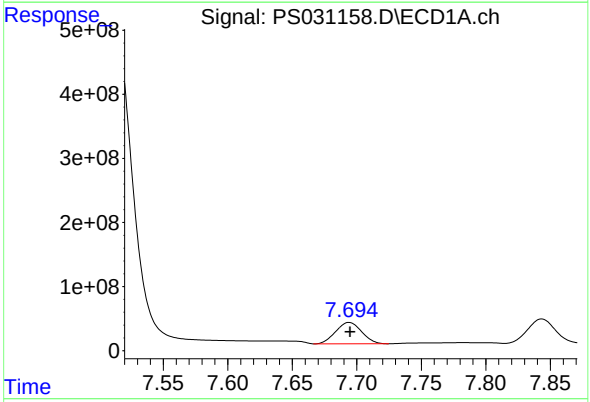
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 7996510974
Conc: 491.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



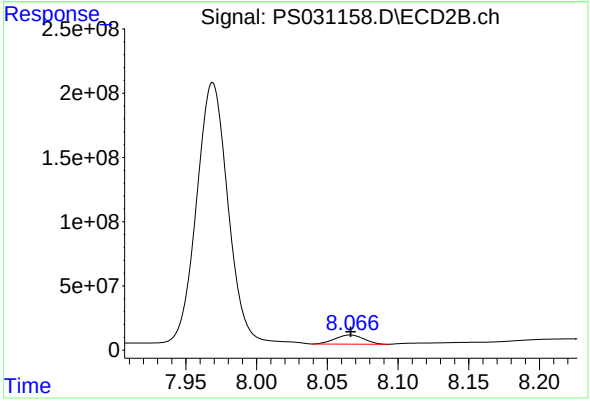
#5 DICAMBA

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



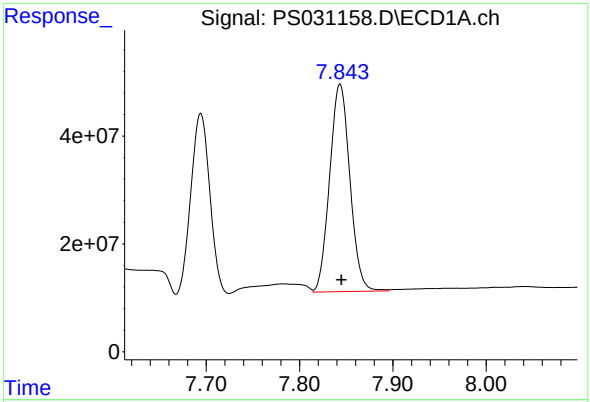
#6 MCPP

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



#6 MCPP

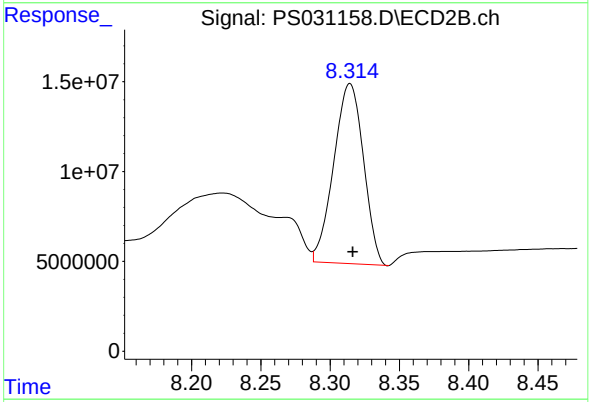
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 100345918
Conc: 46.92 ug/ml



#7 MCPA

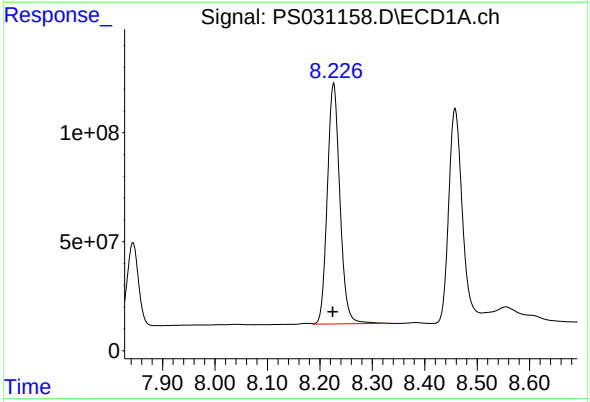
R.T.: 7.843 min
Delta R.T.: -0.001 min
Response: 579732469
Conc: 46.10 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



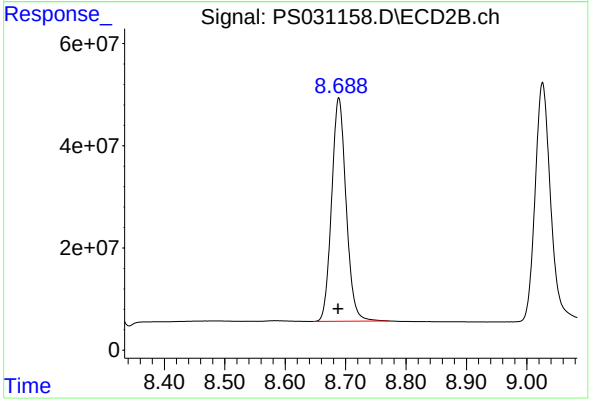
#7 MCPA

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



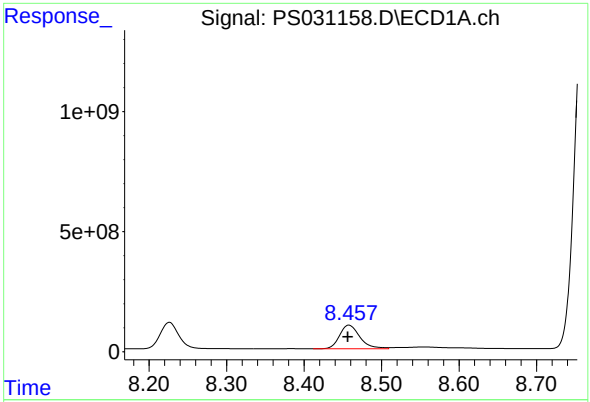
#8 DICHLORPROP

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



#8 DICHLORPROP

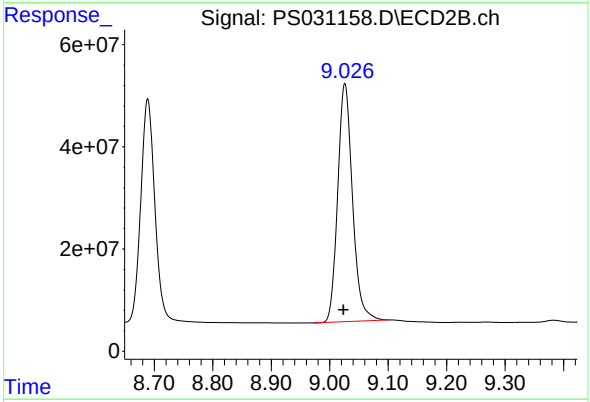
R.T.: 8.689 min
Delta R.T.: 0.001 min
Response: 729443662
Conc: 495.09 ng/ml



#9 2,4-D

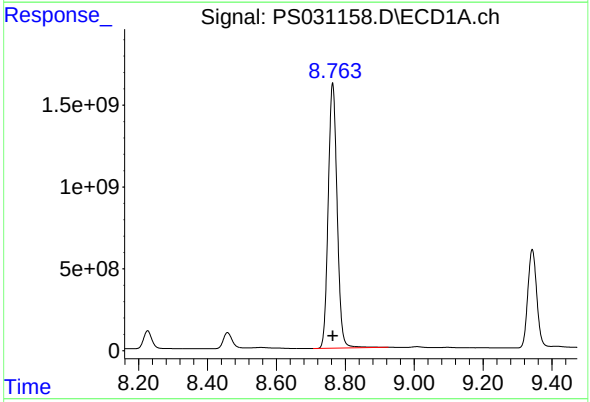
R.T.: 8.458 min
Delta R.T.: 0.001 min
Response: 1795744990
Conc: 491.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



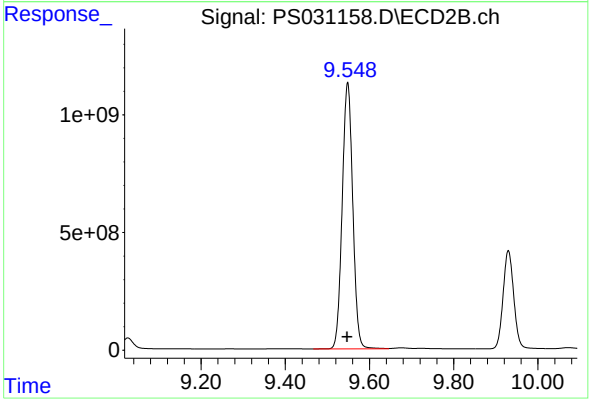
#9 2,4-D

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



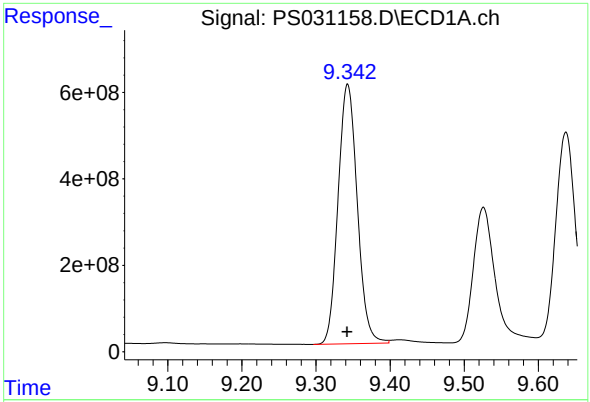
#10 Pentachlorophenol

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



#10 Pentachlorophenol

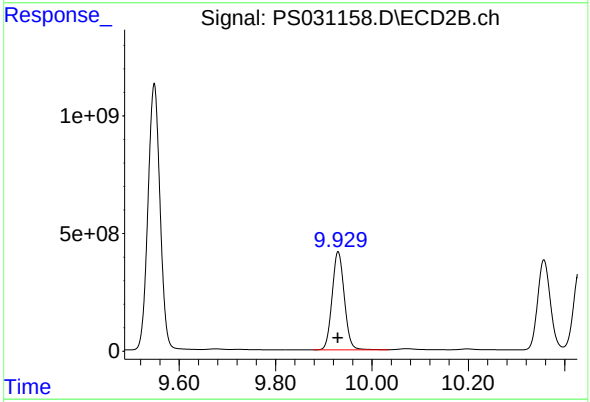
R.T.: 9.548 min
Delta R.T.: 0.001 min
Response: 19707796449
Conc: 493.17 ng/ml



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

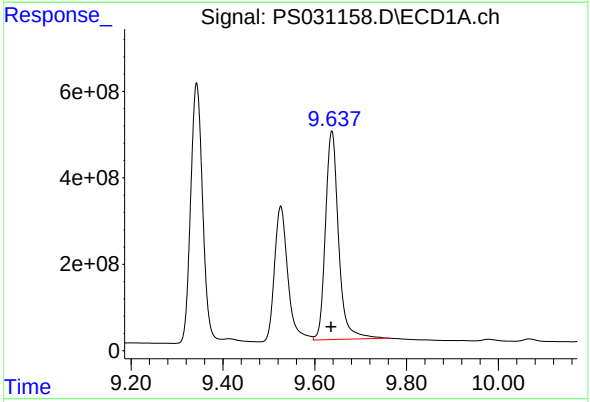
R.T.: 9.343 min
Delta R.T.: 0.000 min
Response: 10820483706
Conc: 500.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



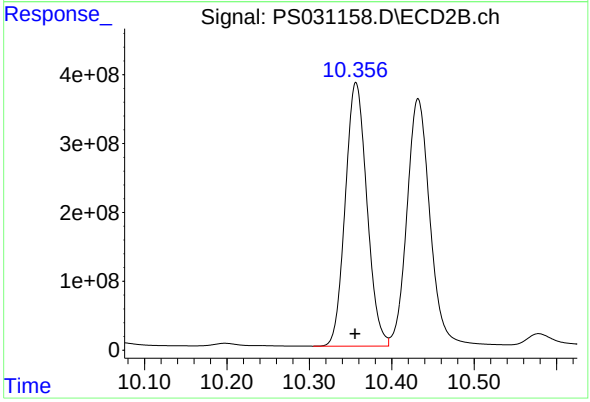
#11 2,4,5-TP (SILVEX)

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



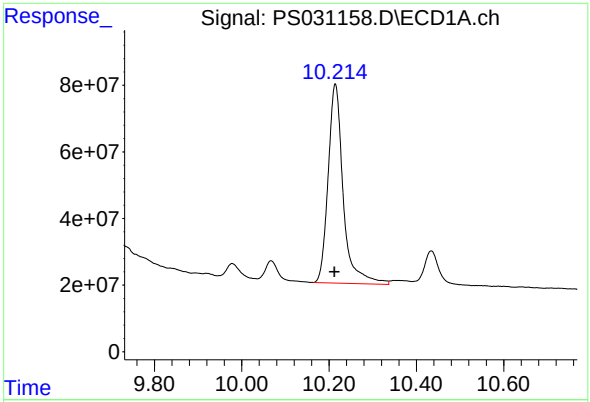
#12 2,4,5-T

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



#12 2,4,5-T

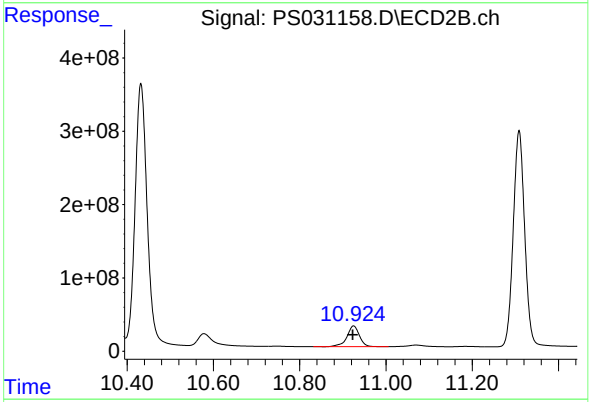
R.T.: 10.357 min
Delta R.T.: 0.001 min
Response: 6973310939
Conc: 492.59 ng/ml



#13 2,4-DB

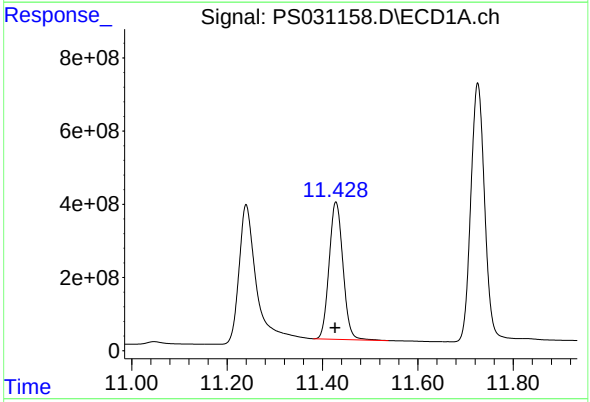
R.T.: 10.214 min
Delta R.T.: 0.002 min
Response: 1431511568
Conc: 483.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



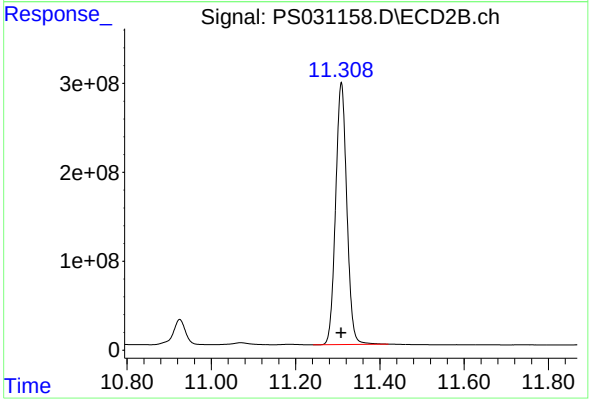
#13 2,4-DB

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



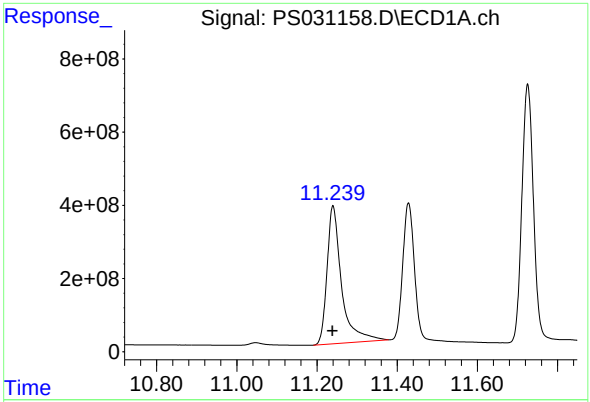
#14 DINOSEB

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



#14 DINOSEB

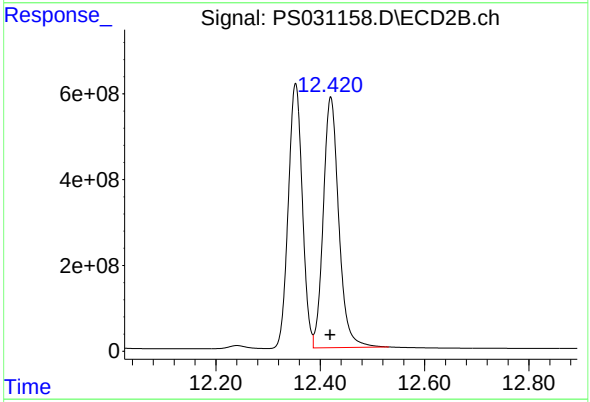
R.T.: 11.309 min
Delta R.T.: 0.000 min
Response: 5427075463
Conc: 482.59 ng/ml



#15 Picloram

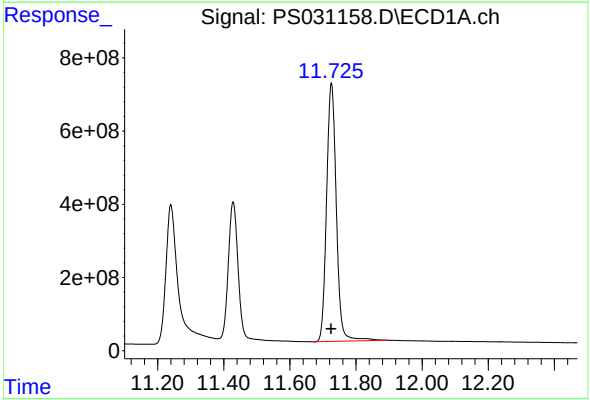
R.T.: 11.240 min
Delta R.T.: 0.001 min
Response: 9521922595
Conc: 472.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



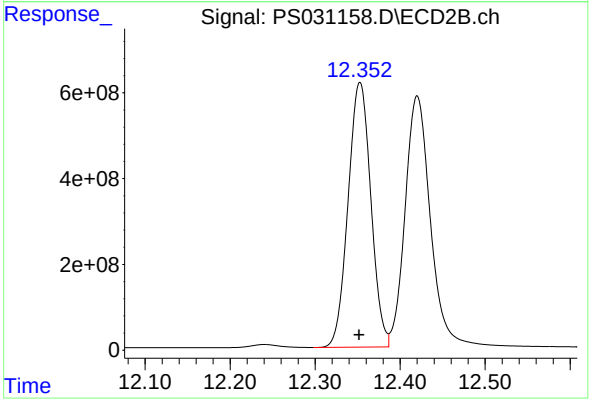
#15 Picloram

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 : 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

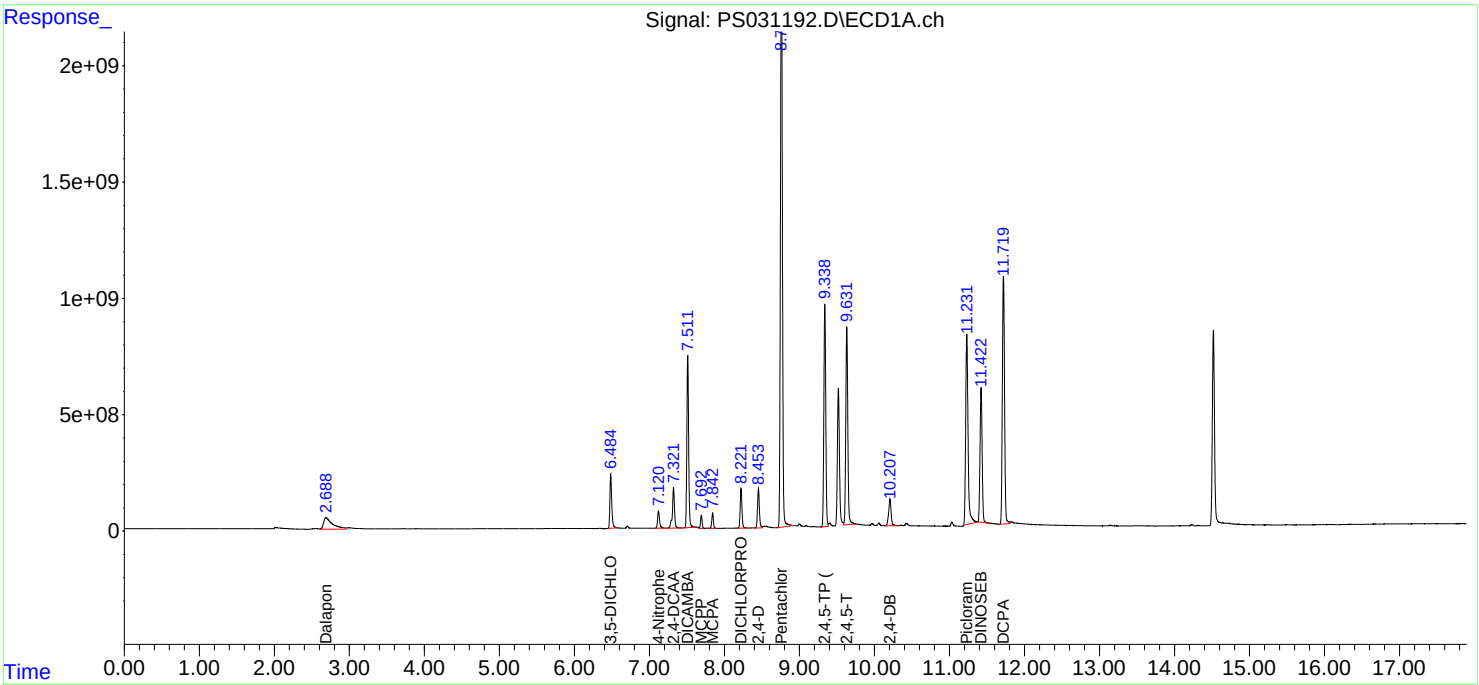
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

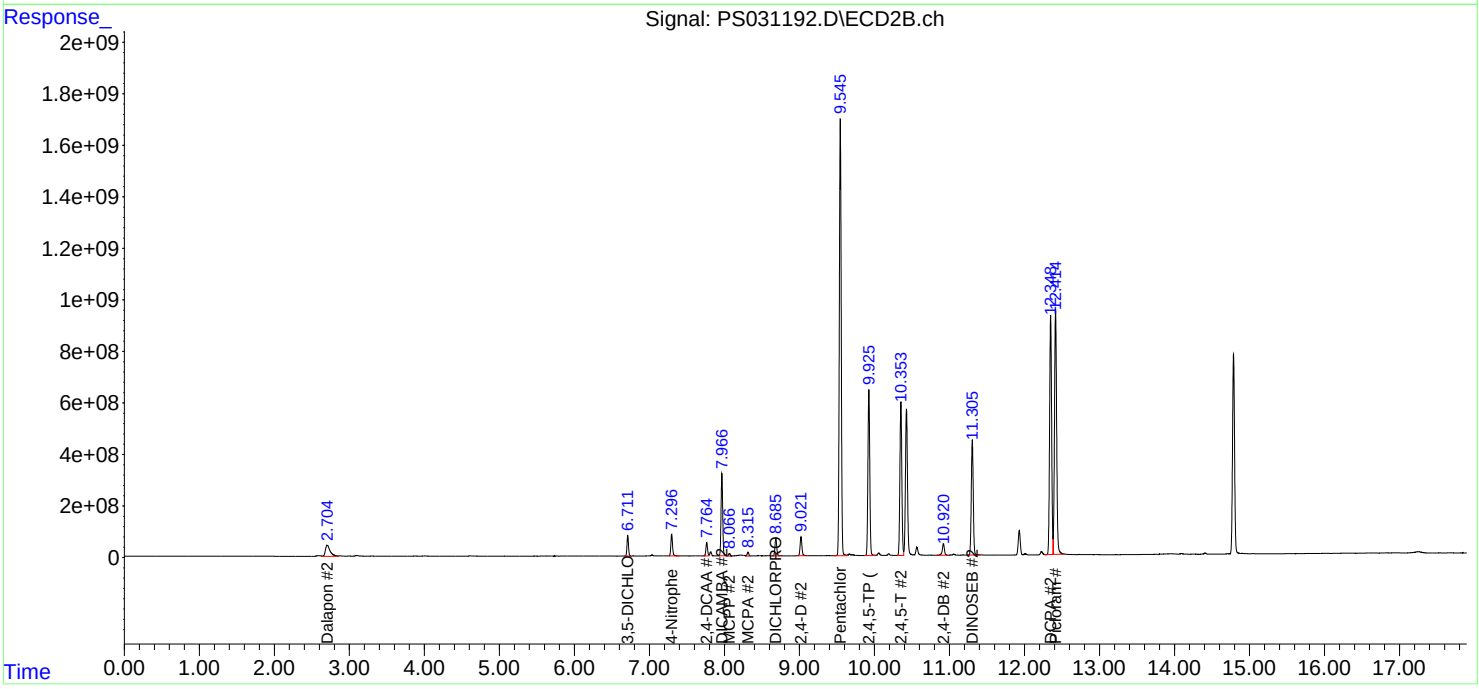
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

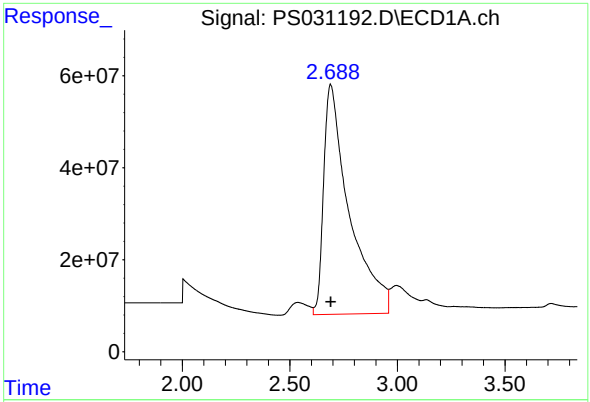
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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



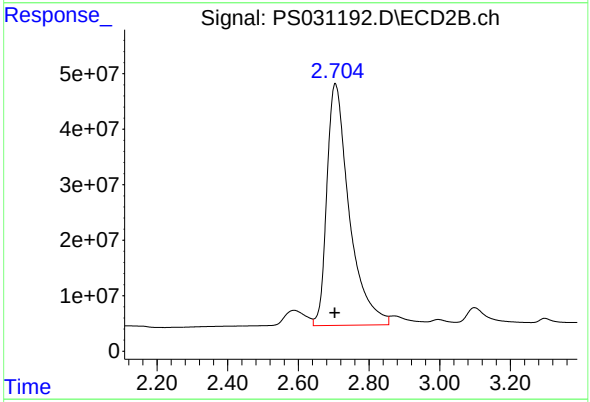




#1 Dalapon

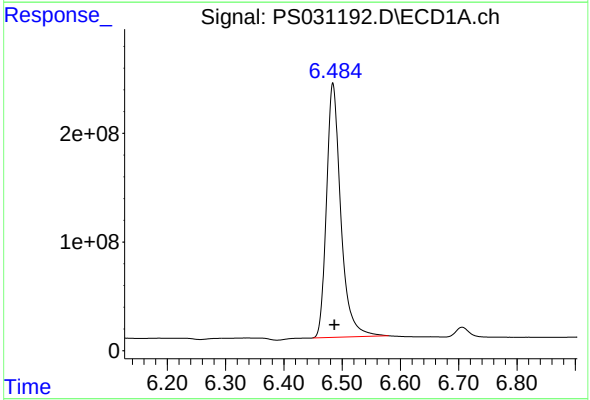
R.T.: 2.688 min
Delta R.T.: -0.002 min
Response: 4141483354
Conc: 660.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



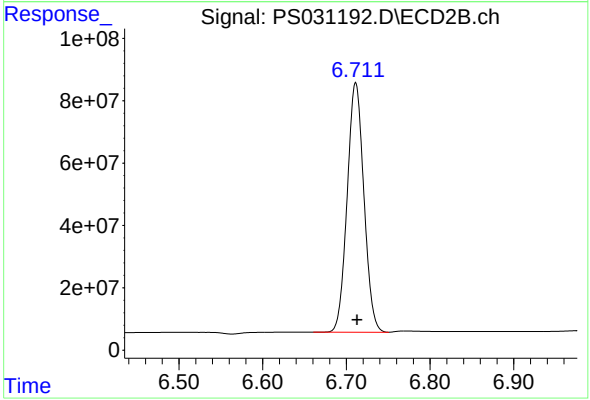
#1 Dalapon

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



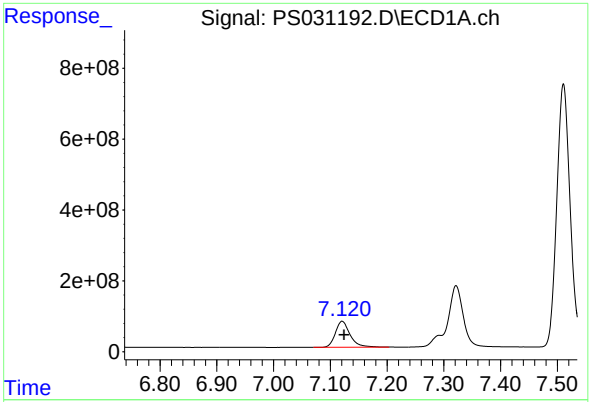
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

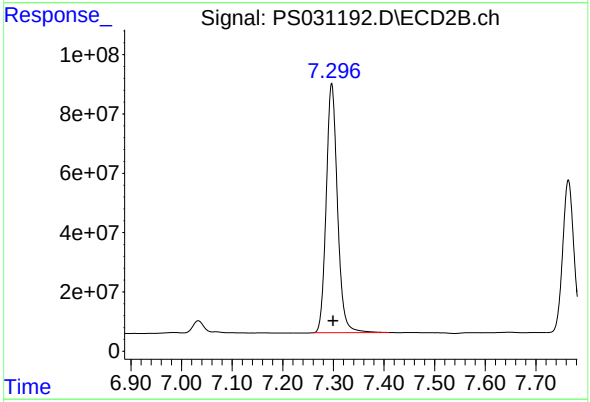
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1110340141
Conc: 721.05 ng/ml



#3 4-Nitrophenol

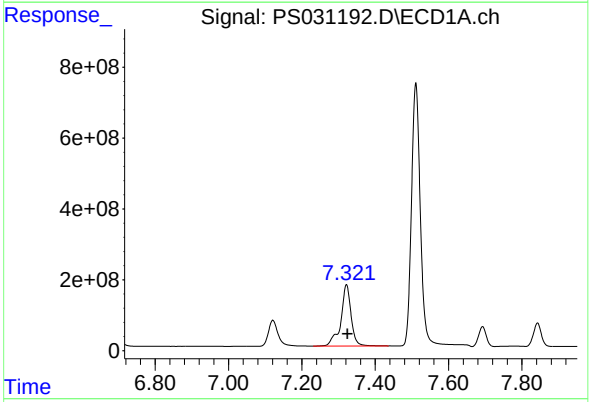
R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 1332841881
Conc: 808.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



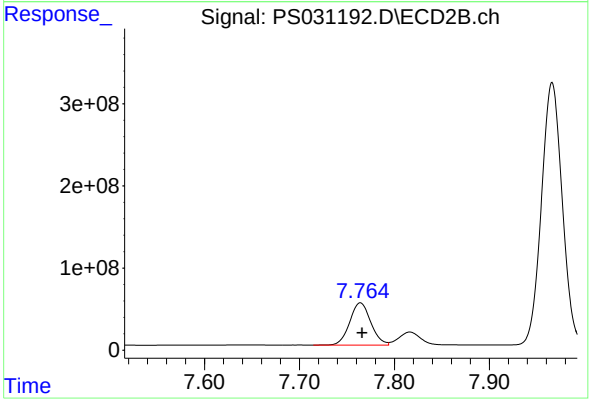
#3 4-Nitrophenol

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



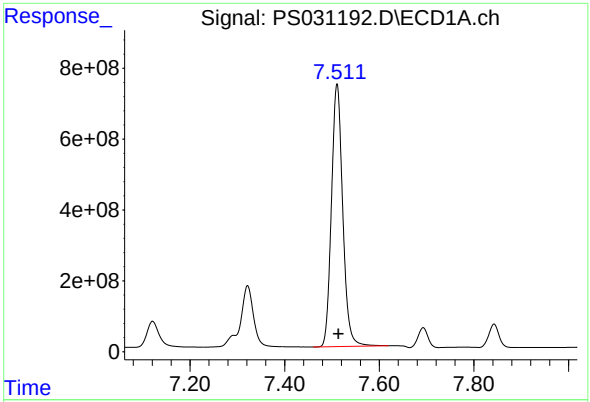
#4 2,4-DCAA

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



#4 2,4-DCAA

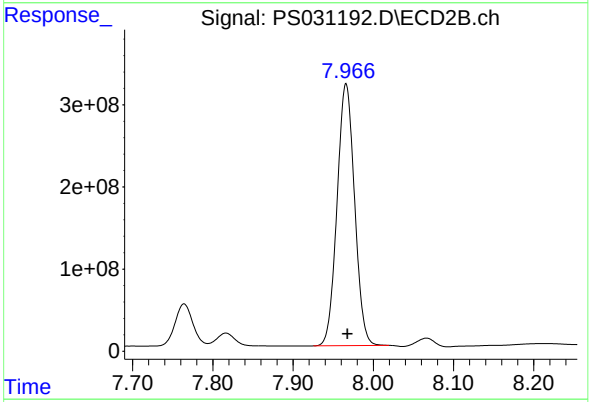
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 793184080
Conc: 781.49 ng/ml



#5 DICAMBA

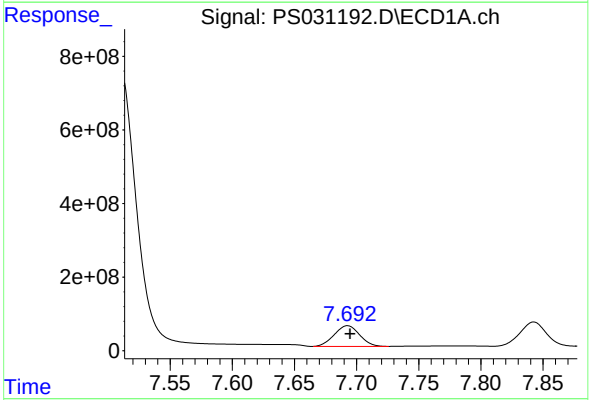
R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 12255723318
Conc: 742.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



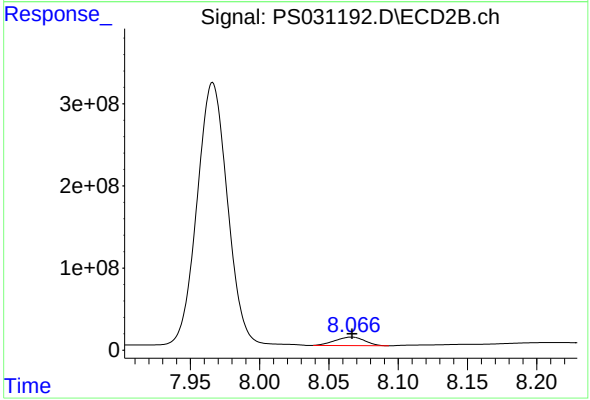
#5 DICAMBA

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



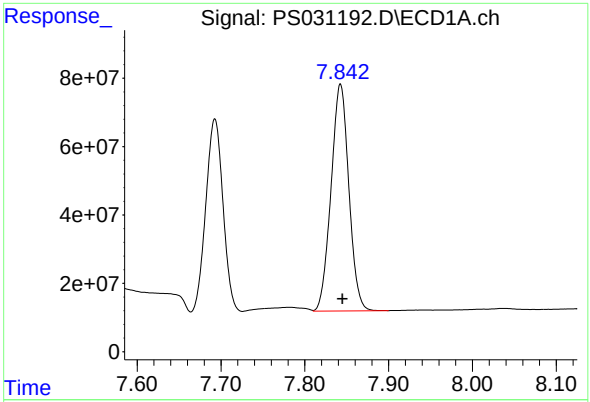
#6 MCPP

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



#6 MCPP

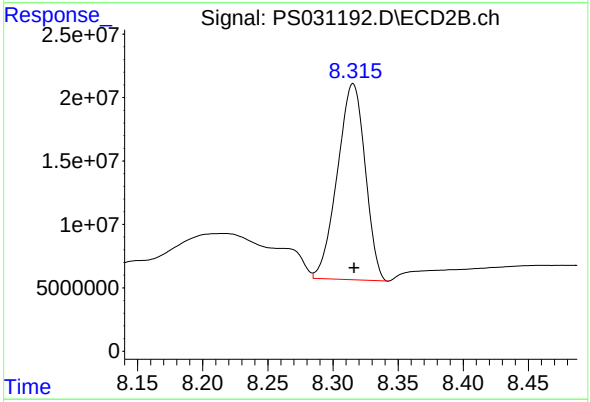
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 154542235
Conc: 74.38 ug/ml



#7 MCPA

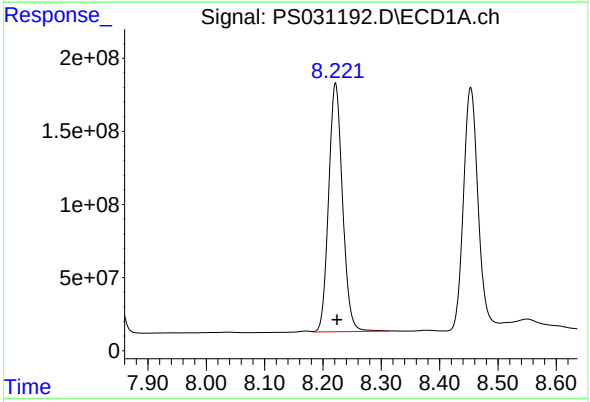
R.T.: 7.843 min
Delta R.T.: -0.002 min
Response: 978726147
Conc: 78.21 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



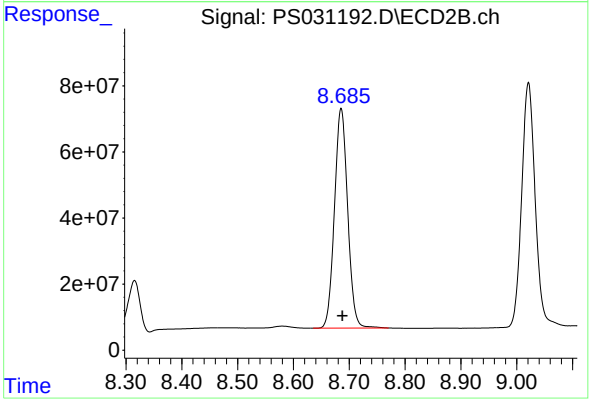
#7 MCPA

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



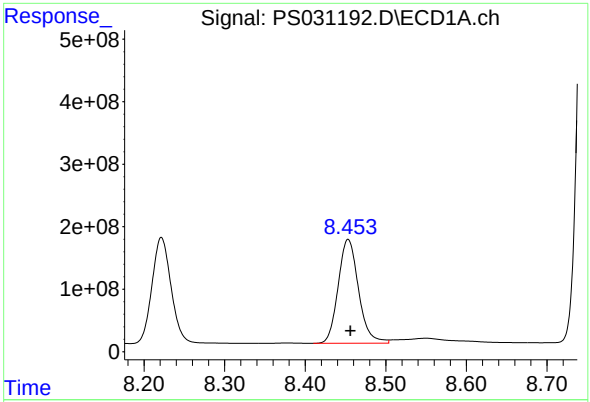
#8 DICHLORPROP

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



#8 DICHLORPROP

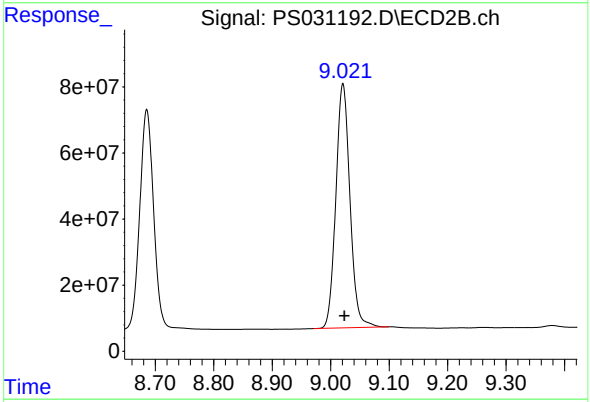
R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1092128846
Conc: 720.94 ng/ml



#9 2,4-D

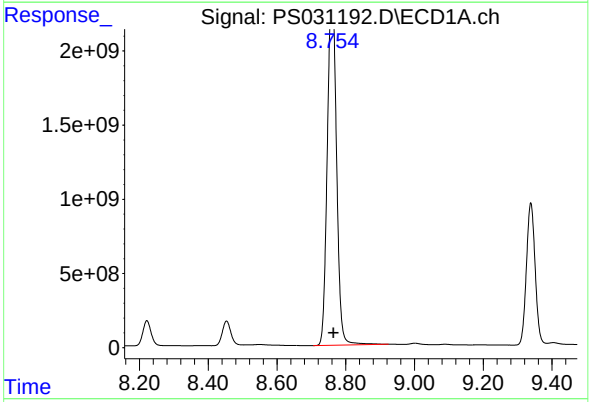
R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 2923266789
Conc: 782.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



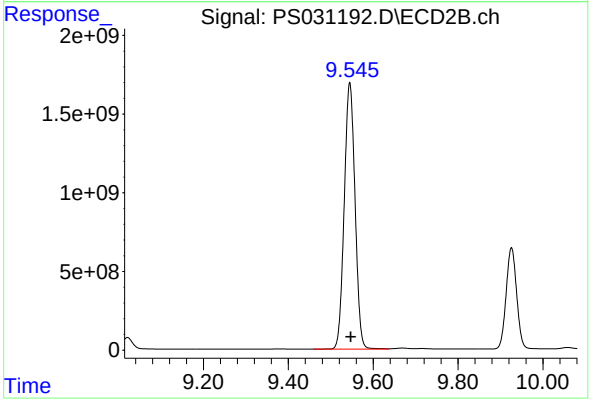
#9 2,4-D

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



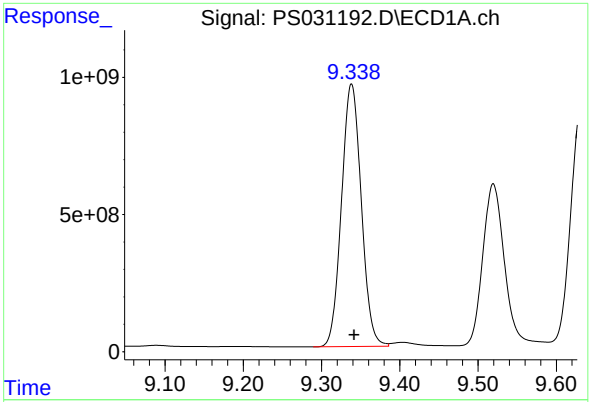
#10 Pentachlorophenol

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



#10 Pentachlorophenol

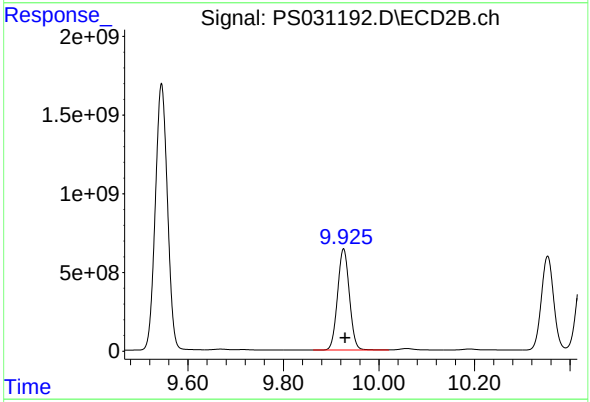
R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 29838345958
Conc: 763.50 ng/ml



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

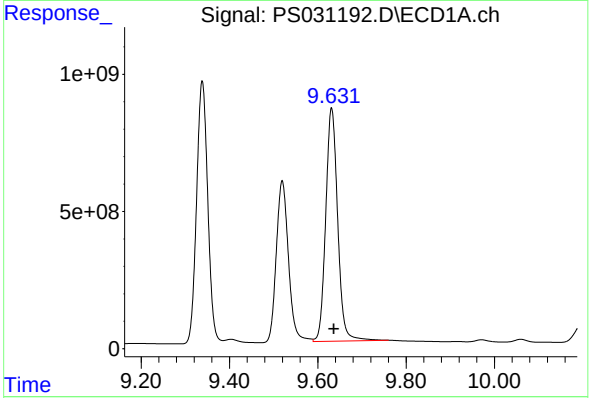
R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 16792444173
Conc: 764.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



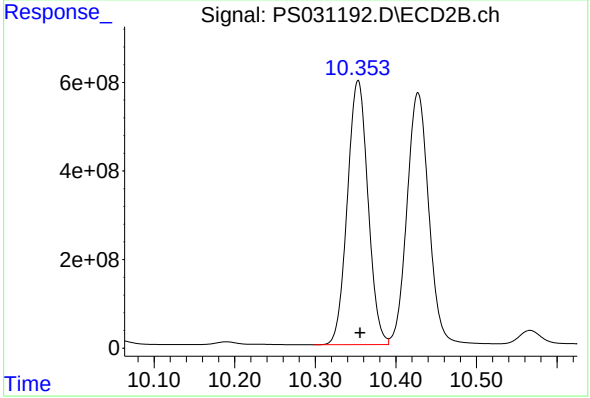
#11 2,4,5-TP (SILVEX)

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



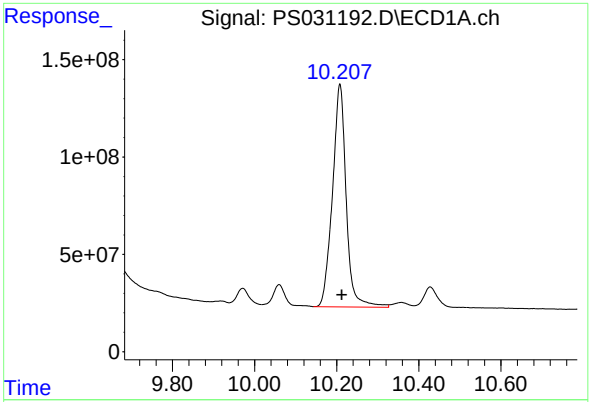
#12 2,4,5-T

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



#12 2,4,5-T

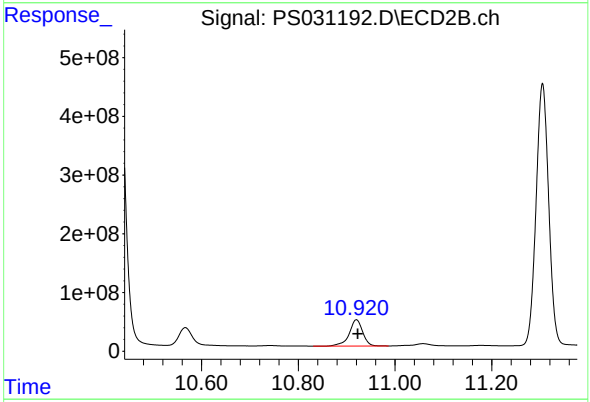
R.T.: 10.353 min
Delta R.T.: -0.002 min
Response: 10612174904
Conc: 746.31 ng/ml



#13 2,4-DB

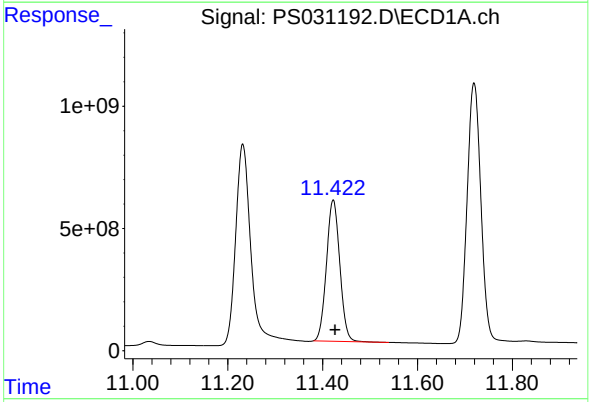
R.T.: 10.208 min
Delta R.T.: -0.005 min
Response: 2653510562
Conc: 887.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



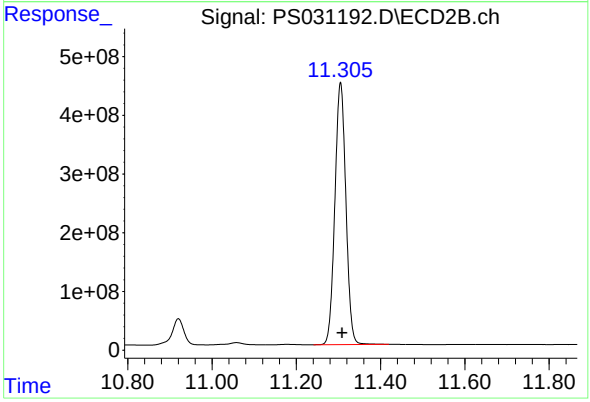
#13 2,4-DB

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



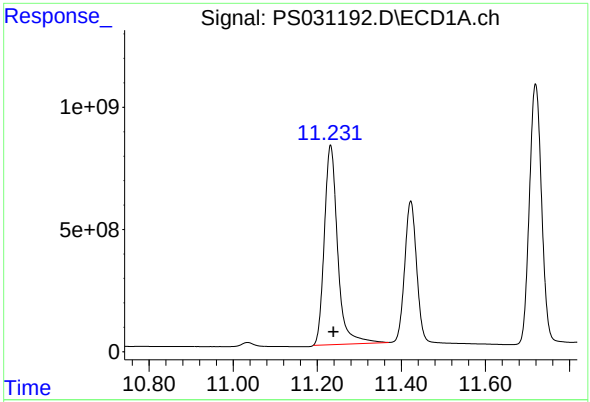
#14 DINOSEB

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



#14 DINOSEB

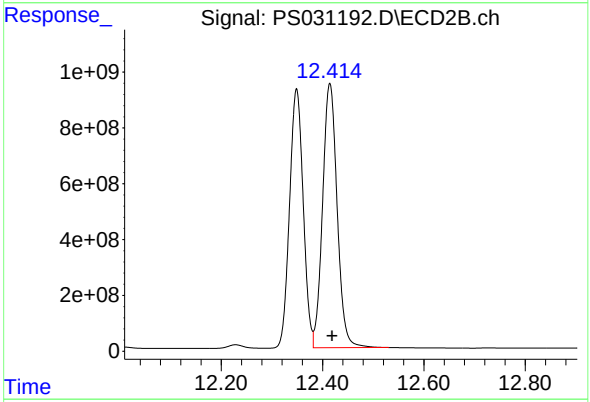
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 8077451534
Conc: 714.69 ng/ml



#15 Picloram

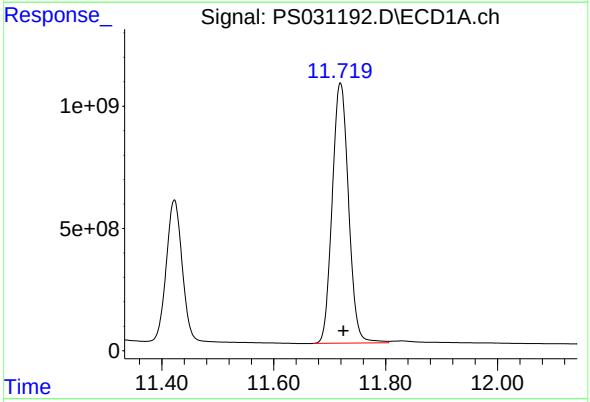
R.T.: 11.232 min
Delta R.T.: -0.007 min
Response: 17960584141
Conc: 897.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



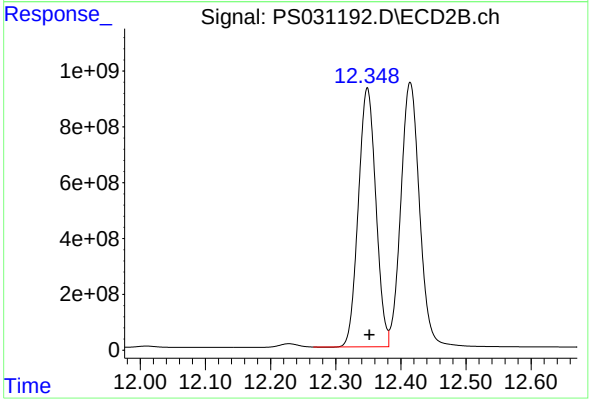
#15 Picloram

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\PS072325\
Data File : PS031195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:25
Operator : AR\AJ
Sample : PB168872BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168872BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:20:40 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	2308.0E6	529.3E6	530.798	521.484
	Target Compounds						
1) T	Dalapon	2.689	2.704	2796.8E6	1311.2E6	445.858	462.237
2) T	3,5-DICHL...	6.483	6.710	3021.2E6	741.5E6	547.038	481.547
3) T	4-Nitroph...	7.119	7.296	889.9E6	857.5E6	539.746	473.936
5) T	DICAMBA	7.509	7.965	8270.0E6	3200.3E6	501.303	495.915
6) T	MCPP	7.689	8.073	484.5E6	288.9E6	48.397	139.020 #
7) T	MCPA	7.839	8.312	609.9E6	138.1E6	48.740	43.781
8) T	DICHLORPROP	8.220	8.684	1915.2E6	739.5E6	501.114	488.149
9) T	2,4-D	8.452	9.021	2620.8E6	838.2E6	701.695	493.530 #
10) T	Pentachlo...	8.759	9.544	30316.5E6	20105.4E6	555.029	514.451
11) T	2,4,5-TP ...	9.337	9.925	11479.7E6	7415.1E6	522.909	497.852
12) T	2,4,5-T	9.631	10.352	10865.1E6	7142.9E6	556.393	502.334
13) T	2,4-DB	10.207	10.919	1759.4E6	584.4E6	588.452	499.243
14) T	DINOSEB	11.421	11.305	7741.8E6	5353.6E6	497.243	473.680
15) T	Picloram	11.231	12.414	11634.7E6	12103.8E6	581.543	486.194
16) T	DCPA	11.719	12.350	14934.0E6	10543.7E6	520.466	457.704

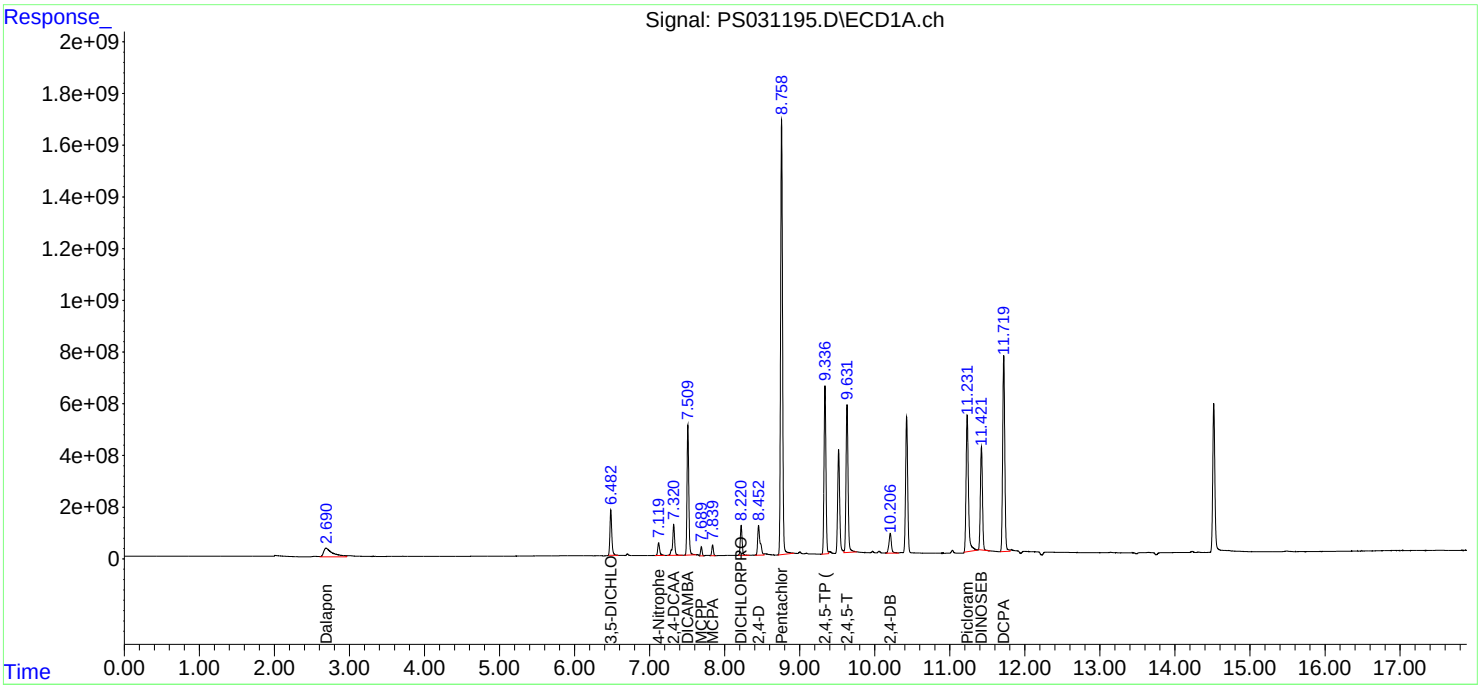
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

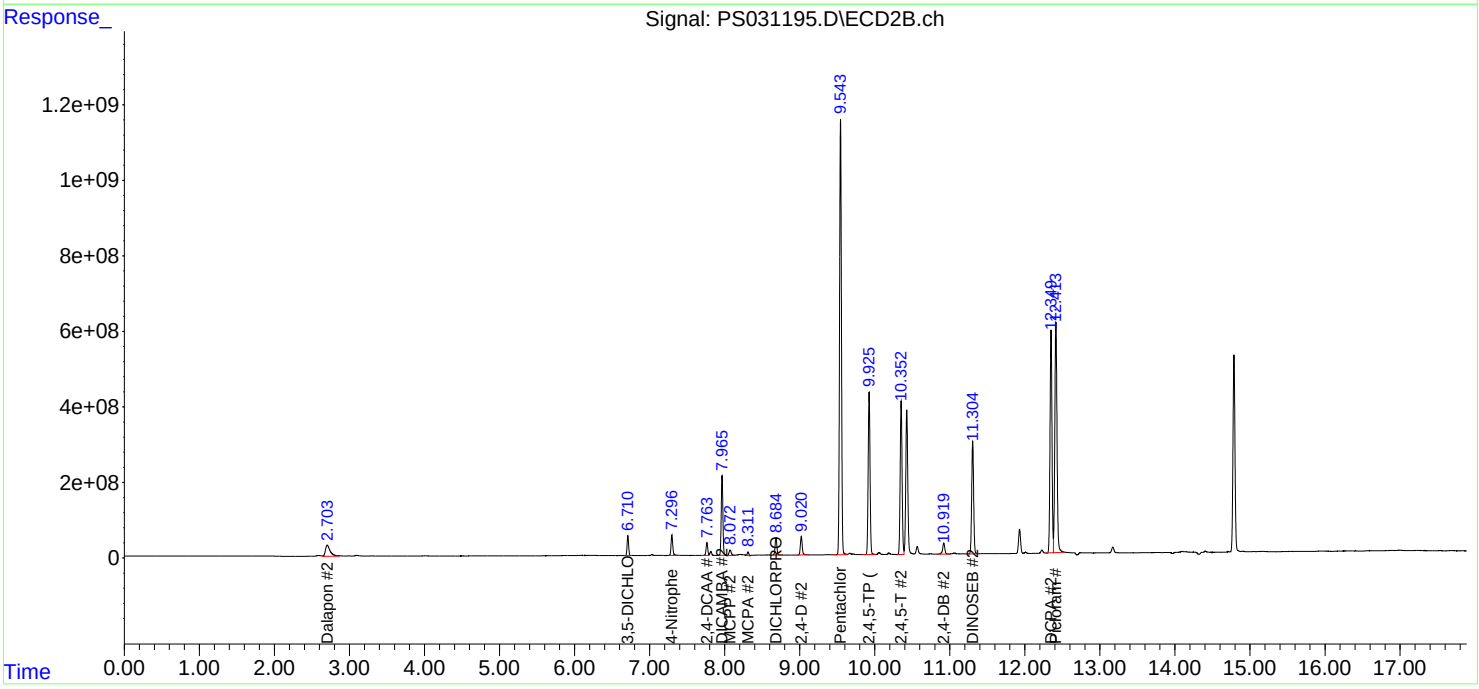
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 16:25
Operator : AR\AJ
Sample : PB168872BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

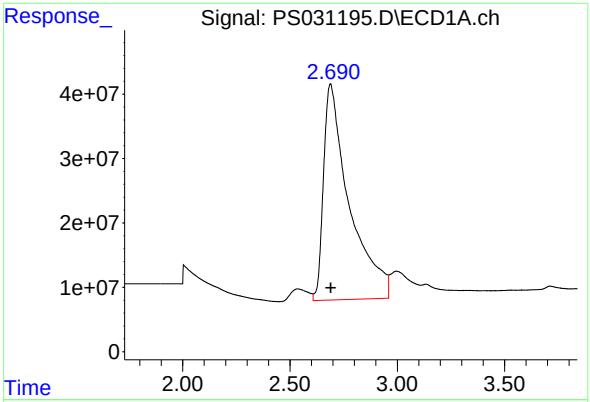
Instrument :
ECD_S
ClientSampleId :
PB168872BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:20:40 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



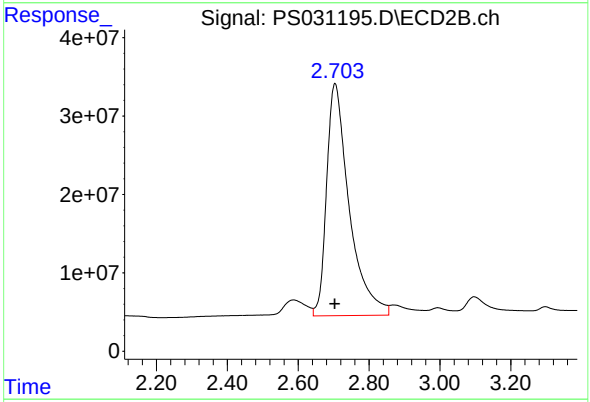




#1 Dalapon

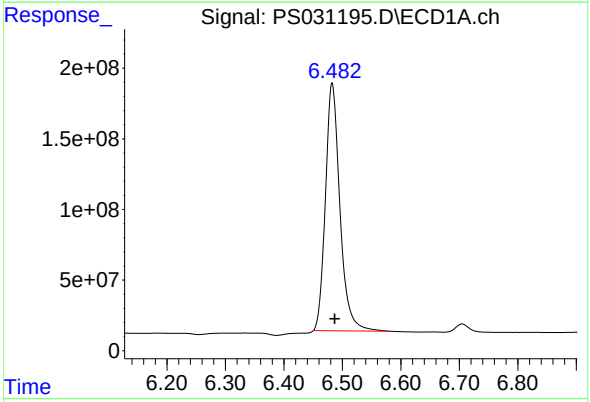
R.T.: 2.689 min
Delta R.T.: -0.001 min
Response: 2796823263
Conc: 445.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS



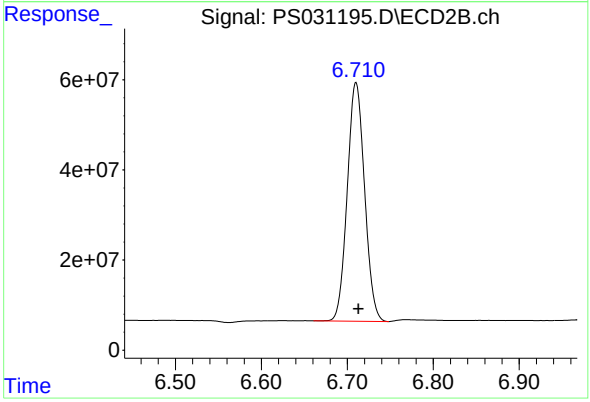
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1311244734
Conc: 462.24 ng/ml



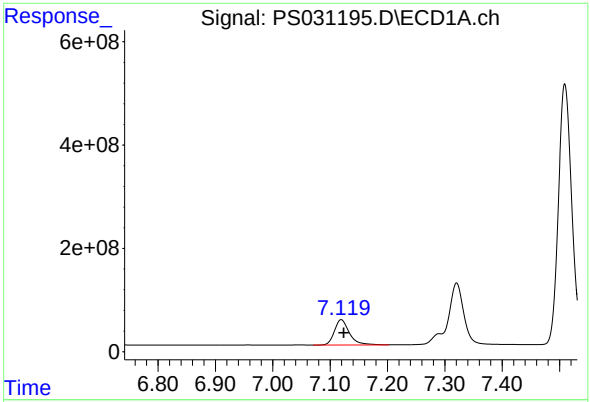
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 3021152701
Conc: 547.04 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

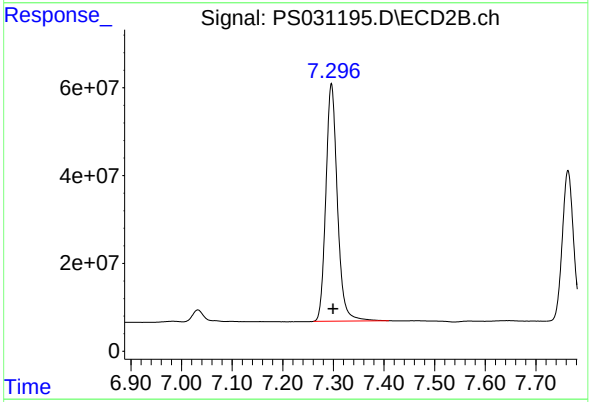
R.T.: 6.710 min
Delta R.T.: -0.003 min
Response: 741531355
Conc: 481.55 ng/ml



#3 4-Nitrophenol

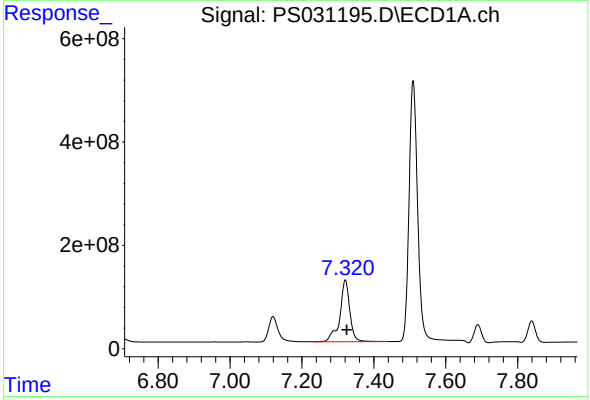
R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 889924701
Conc: 539.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS



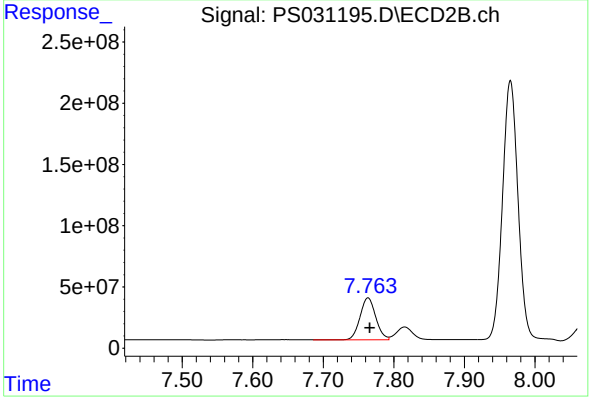
#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: -0.003 min
Response: 857500566
Conc: 473.94 ng/ml



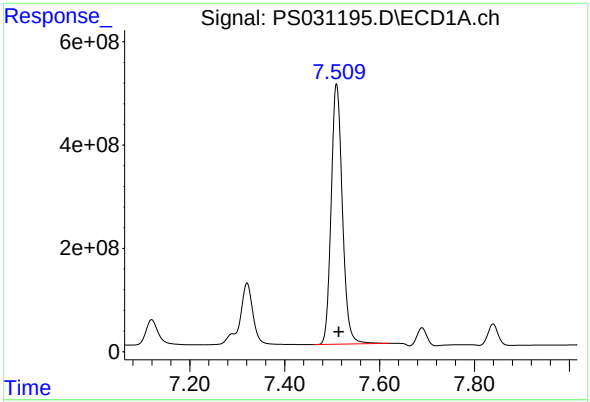
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.004 min
Response: 2308043598
Conc: 530.80 ng/ml



#4 2,4-DCAA

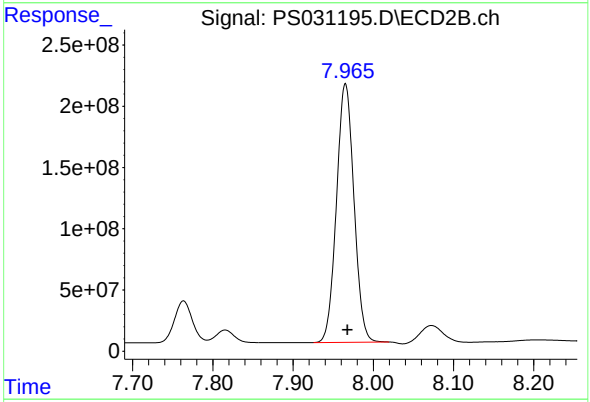
R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 529289713
Conc: 521.48 ng/ml



#5 DICAMBA

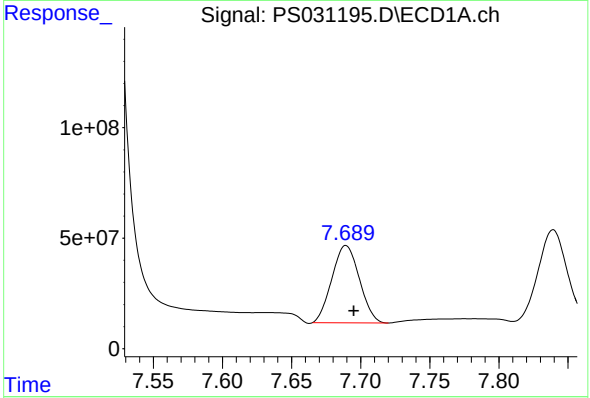
R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 8269977426
Conc: 501.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS



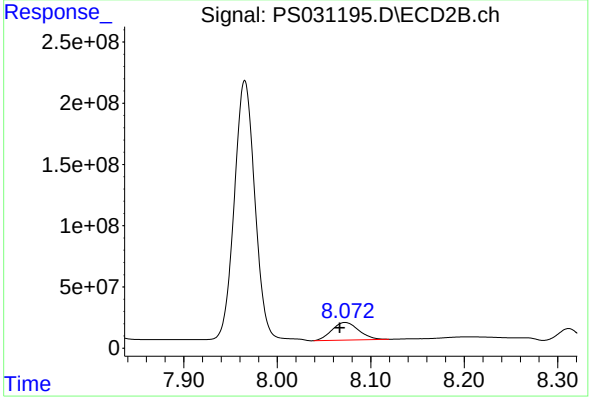
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: -0.003 min
Response: 3200325592
Conc: 495.92 ng/ml



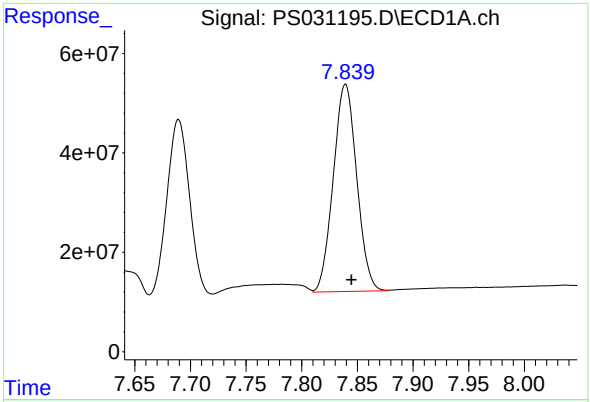
#6 MCPP

R.T.: 7.689 min
Delta R.T.: -0.006 min
Response: 484451539
Conc: 48.40 ug/ml



#6 MCPP

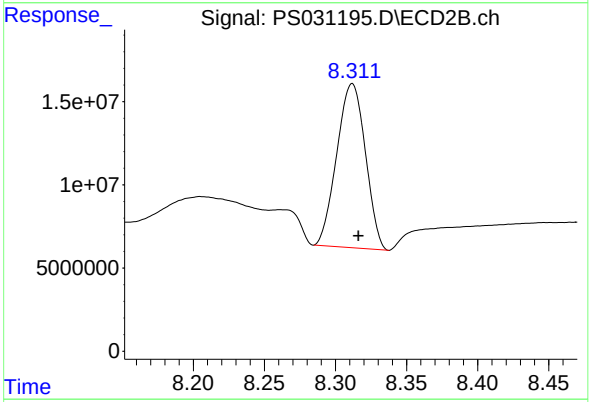
R.T.: 8.073 min
Delta R.T.: 0.006 min
Response: 288856063
Conc: 139.02 ug/ml



#7 MCPA

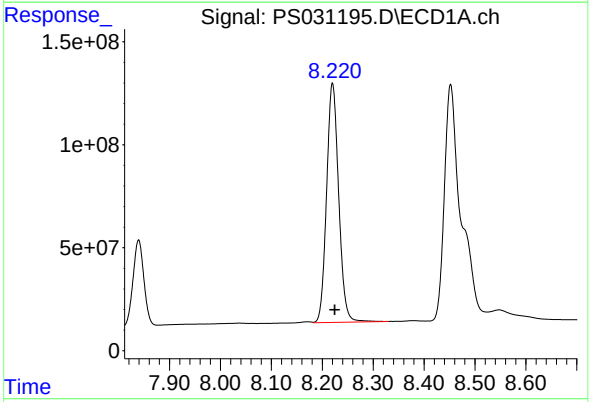
R.T.: 7.839 min
Delta R.T.: -0.005 min
Response: 609948490
Conc: 48.74 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS



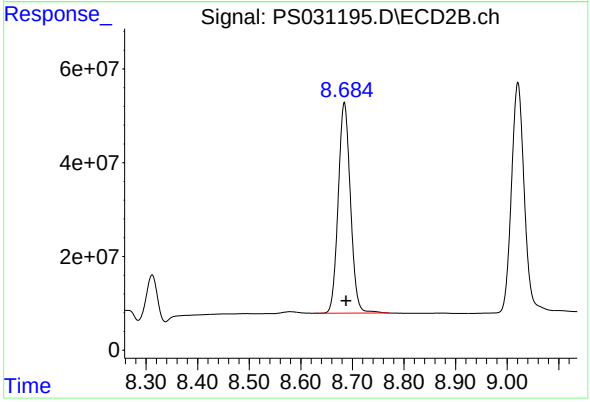
#7 MCPA

R.T.: 8.312 min
Delta R.T.: -0.004 min
Response: 138138117
Conc: 43.78 ug/ml



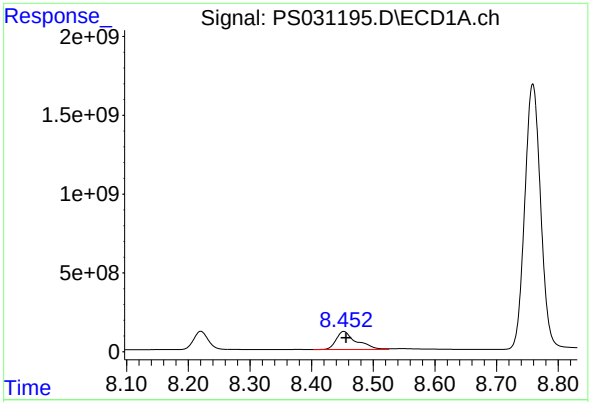
#8 DICHLORPROP

R.T.: 8.220 min
Delta R.T.: -0.004 min
Response: 1915236841
Conc: 501.11 ng/ml



#8 DICHLORPROP

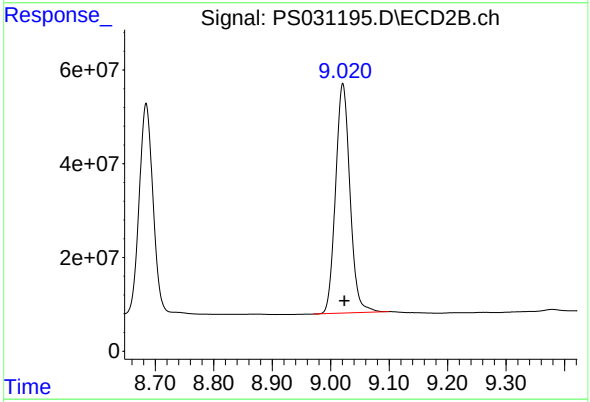
R.T.: 8.684 min
Delta R.T.: -0.003 min
Response: 739477591
Conc: 488.15 ng/ml



#9 2,4-D

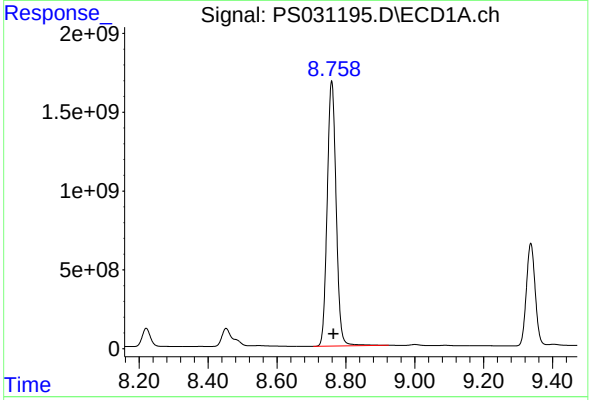
R.T.: 8.452 min
Delta R.T.: -0.004 min
Response: 2620773936
Conc: 701.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS



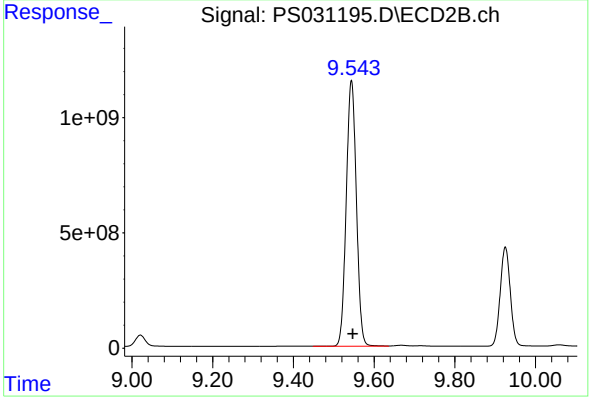
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 838171983
Conc: 493.53 ng/ml



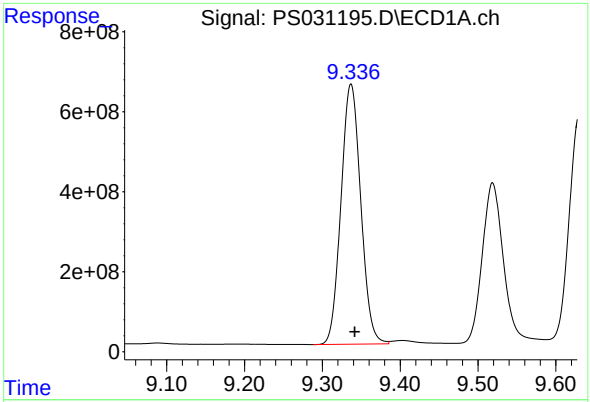
#10 Pentachlorophenol

R.T.: 8.759 min
Delta R.T.: -0.005 min
Response: 30316522696
Conc: 555.03 ng/ml



#10 Pentachlorophenol

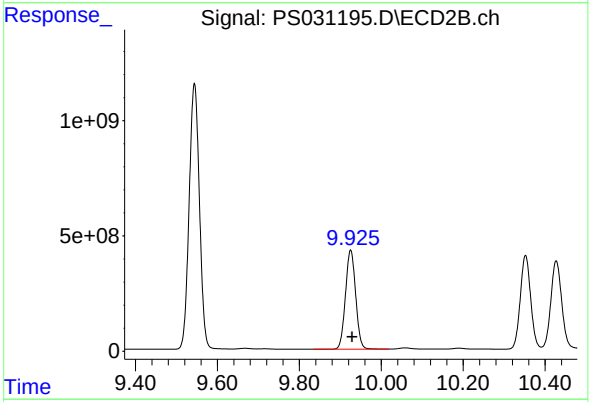
R.T.: 9.544 min
Delta R.T.: -0.003 min
Response: 20105374457
Conc: 514.45 ng/ml



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

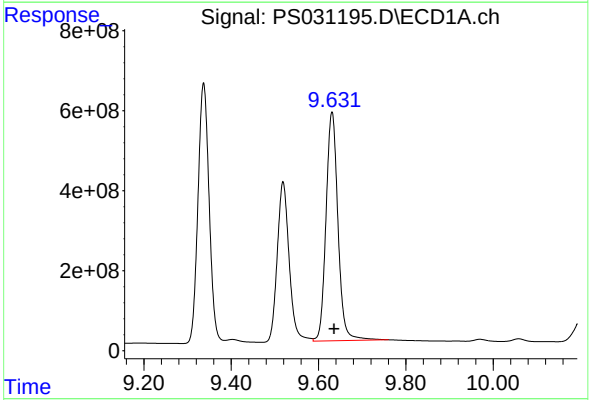
R.T.: 9.337 min
Delta R.T.: -0.005 min
Response: 11479720274
Conc: 522.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS



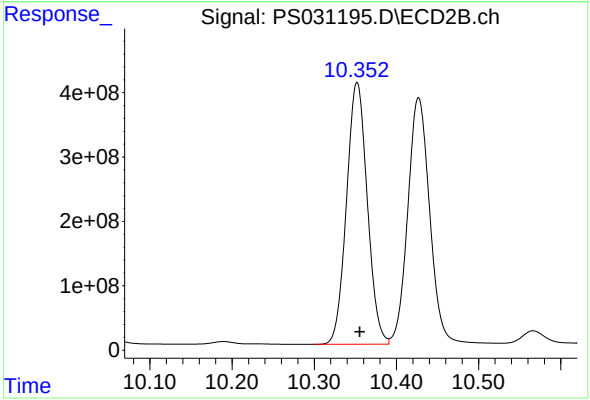
#11 2,4,5-TP (SILVEX)

R.T.: 9.925 min
Delta R.T.: -0.003 min
Response: 7415095459
Conc: 497.85 ng/ml



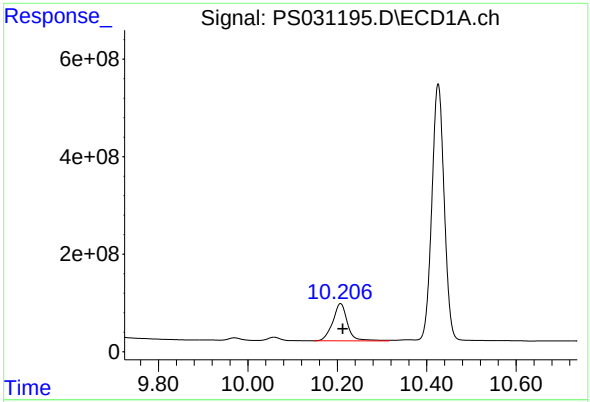
#12 2,4,5-T

R.T.: 9.631 min
Delta R.T.: -0.005 min
Response: 10865131316
Conc: 556.39 ng/ml



#12 2,4,5-T

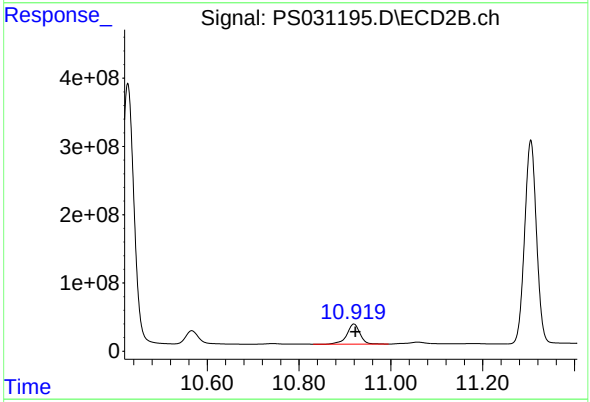
R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 7142915512
Conc: 502.33 ng/ml



#13 2,4-DB

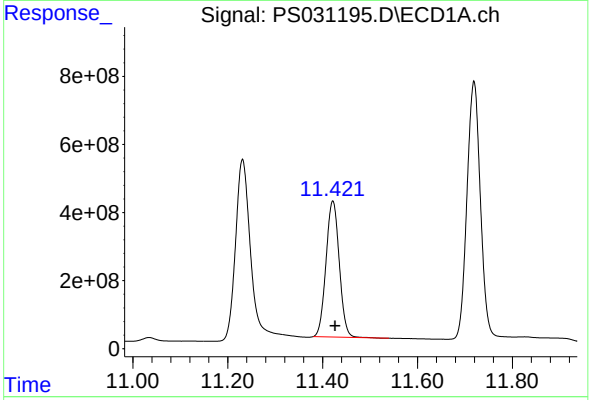
R.T.: 10.207 min
Delta R.T.: -0.005 min
Response: 1759401720
Conc: 588.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS



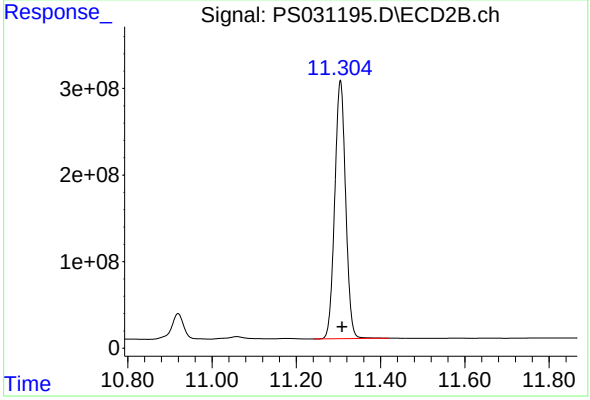
#13 2,4-DB

R.T.: 10.919 min
Delta R.T.: -0.003 min
Response: 584368921
Conc: 499.24 ng/ml



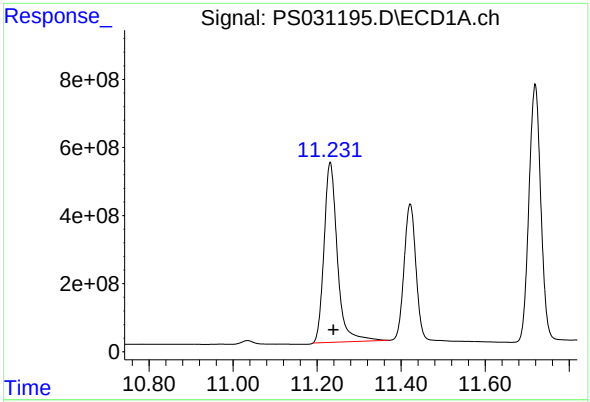
#14 DINOSEB

R.T.: 11.421 min
Delta R.T.: -0.005 min
Response: 7741825429
Conc: 497.24 ng/ml



#14 DINOSEB

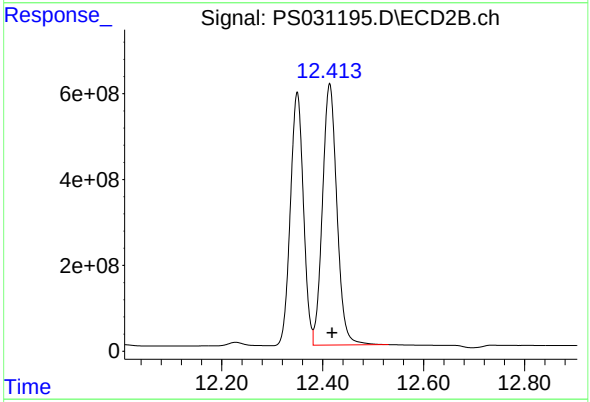
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 5353573539
Conc: 473.68 ng/ml



#15 Picloram

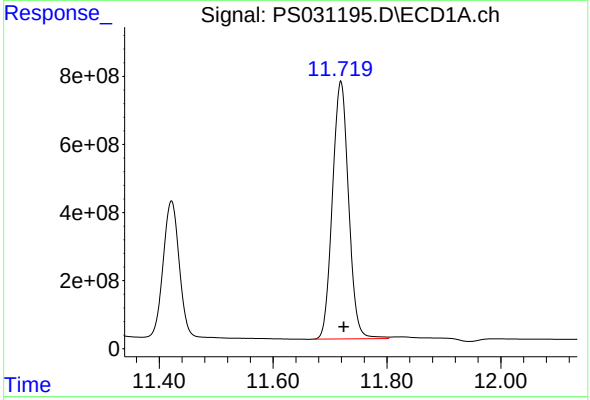
R.T.: 11.231 min
Delta R.T.: -0.007 min
Response: 11634694582
Conc: 581.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168872BS



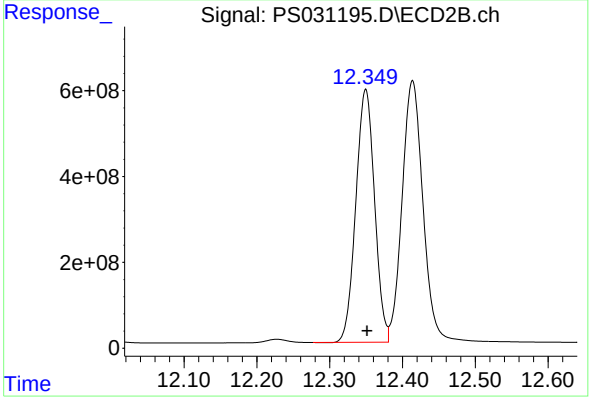
#15 Picloram

R.T.: 12.414 min
Delta R.T.: -0.005 min
Response: 12103819135
Conc: 486.19 ng/ml



#16 DCPA

R.T.: 11.719 min
Delta R.T.: -0.005 min
Response: 14933980903
Conc: 520.47 ng/ml



#16 DCPA

R.T.: 12.350 min
Delta R.T.: -0.002 min
Response: 10543682695
Conc: 457.70 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:14
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 01:23:55 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	3437.4E6	795.3E6	790.522	783.547
	Target Compounds						
1) T	Dalapon	2.690	2.705	4150.6E6	1915.1E6	661.675	675.095
2) T	3,5-DICHL...	6.484	6.711	4029.1E6	1111.9E6	729.549	722.066
3) T	4-Nitroph...	7.120	7.297	1341.5E6	1307.9E6	813.621	722.888
5) T	DICAMBA	7.510	7.967	12382.3E6	4875.0E6	750.581	755.417
6) T	MCPP	7.692	8.066	790.0E6	156.9E6	78.920	75.508
7) T	MCPA	7.841	8.315	983.8E6	238.7E6	78.613	75.666
8) T	DICHLORPROP	8.221	8.685	2840.1E6	1108.9E6	743.095	731.997
9) T	2,4-D	8.452	9.021	2921.2E6	1254.3E6	782.140	738.569
10) T	Pentachlo...	8.762	9.545	43362.6E6	30334.5E6	793.874	776.191
11) T	2,4,5-TP ...	9.337	9.926	16967.8E6	11192.4E6	772.895	751.462
12) T	2,4,5-T	9.630	10.352	16059.5E6	10724.1E6	822.394	754.187
13) T	2,4-DB	10.206	10.920	2617.7E6	886.6E6	875.527	757.478
14) T	DINOSEB	11.421	11.305	11380.0E6	8147.3E6	730.915	720.867
15) T	Picloram	11.231	12.415	17723.8E6	19303.5E6	885.899	775.397
16) T	DCPA	11.718	12.348	22118.9E6	17609.2E6	770.867	764.419

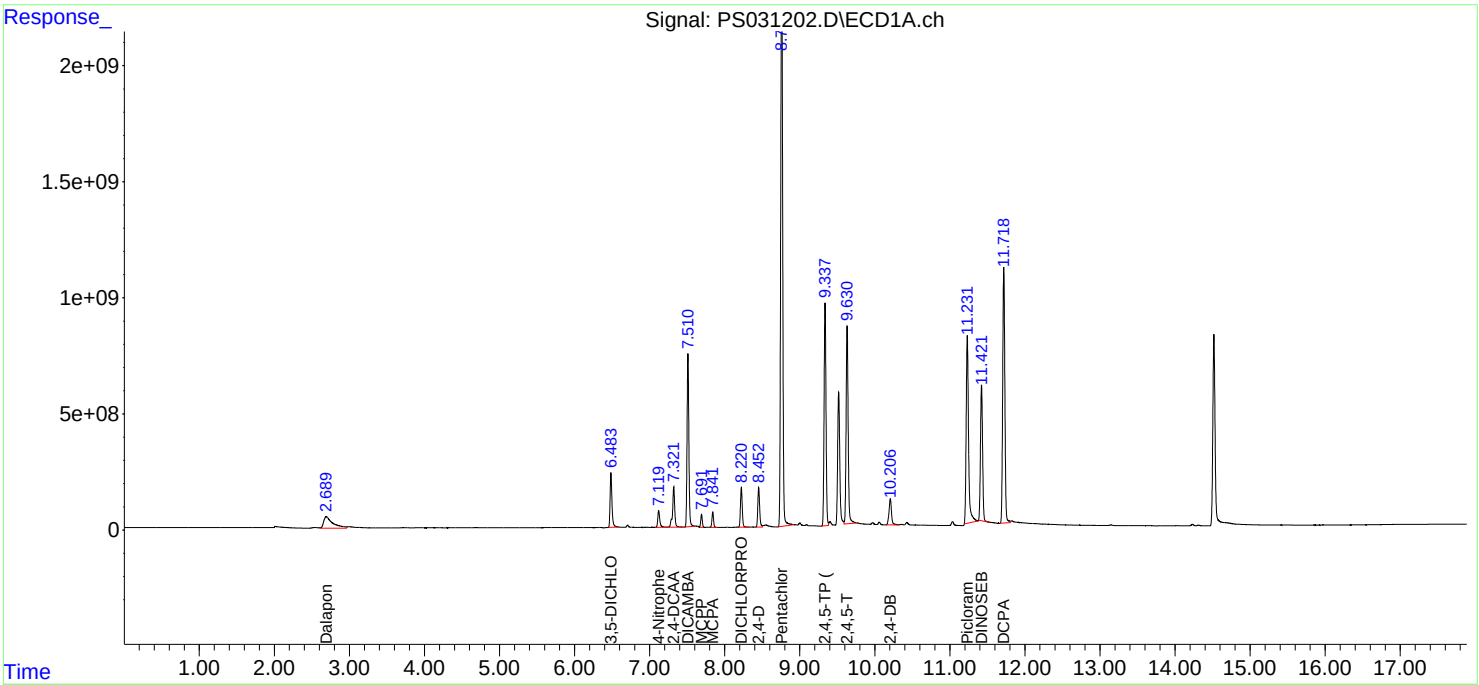
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

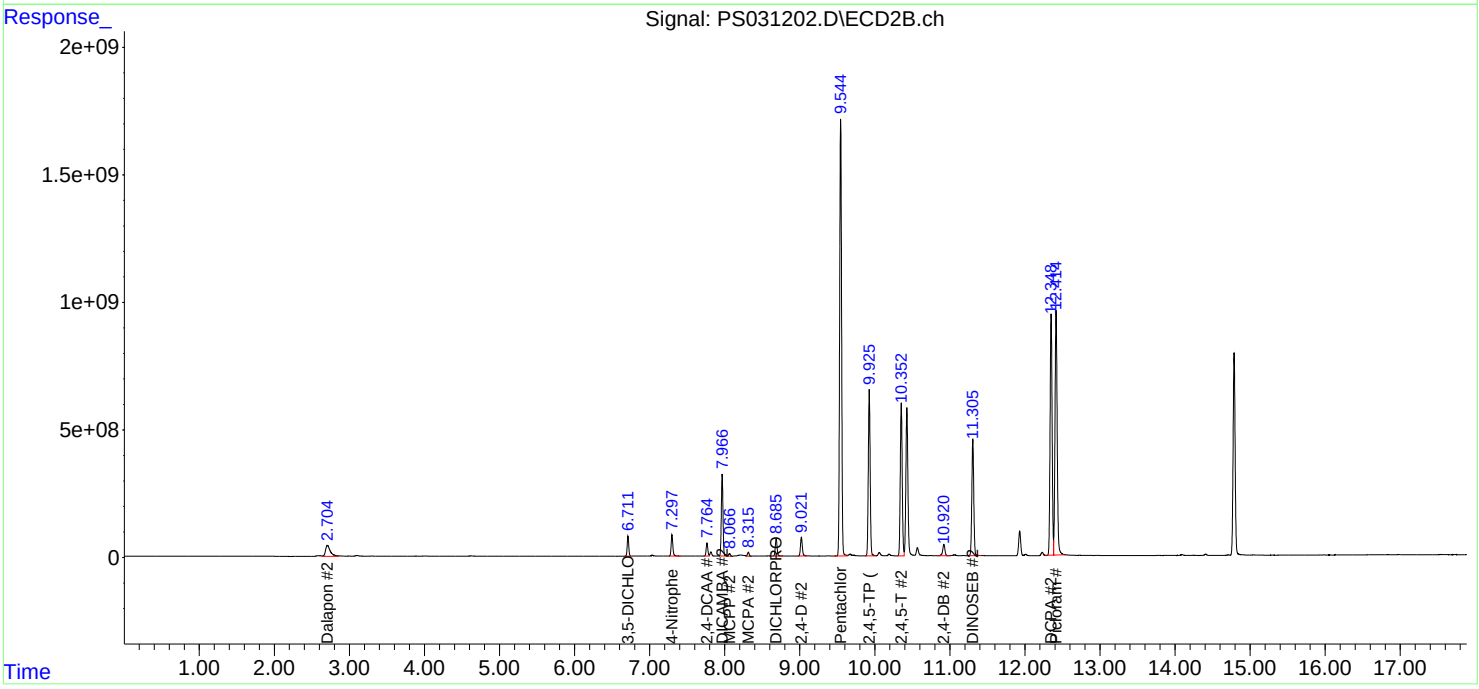
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:14
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

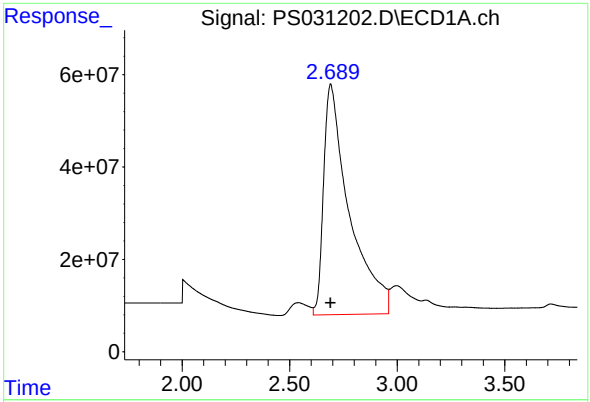
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:23:55 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



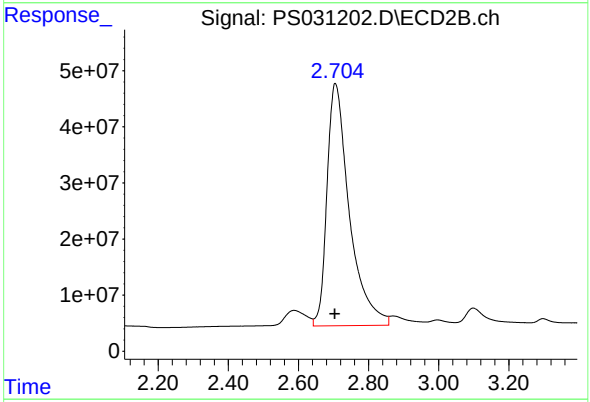




#1 Dalapon

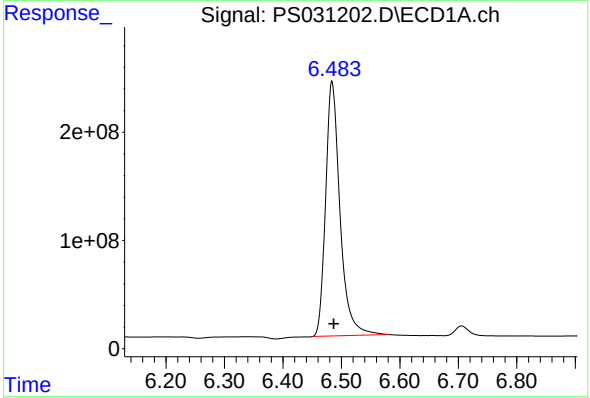
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 4150623593
Conc: 661.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



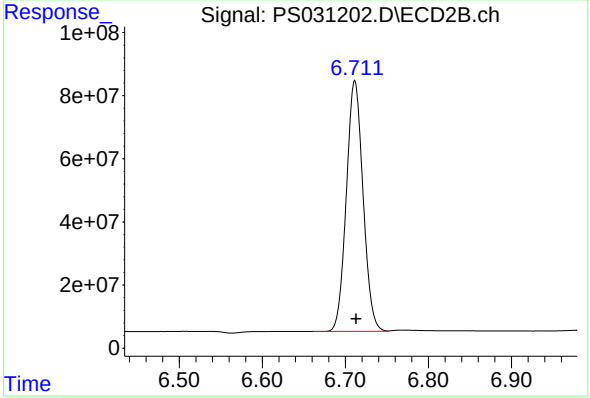
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: 0.001 min
Response: 1915070239
Conc: 675.10 ng/ml



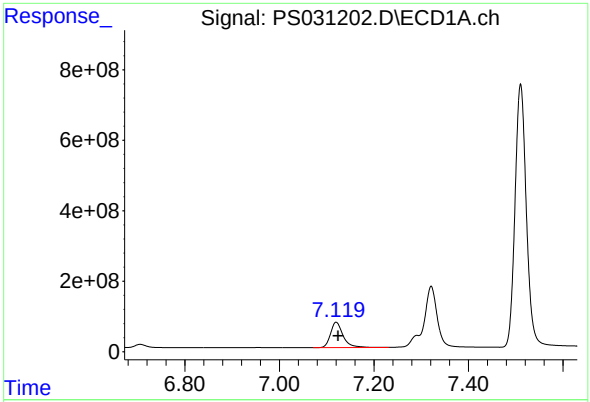
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 4029115455
Conc: 729.55 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

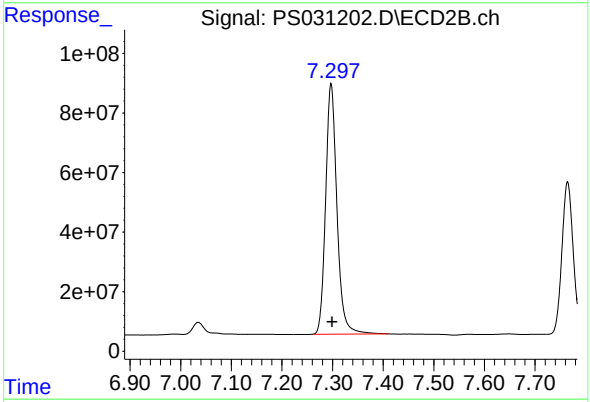
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1111906109
Conc: 722.07 ng/ml



#3 4-Nitrophenol

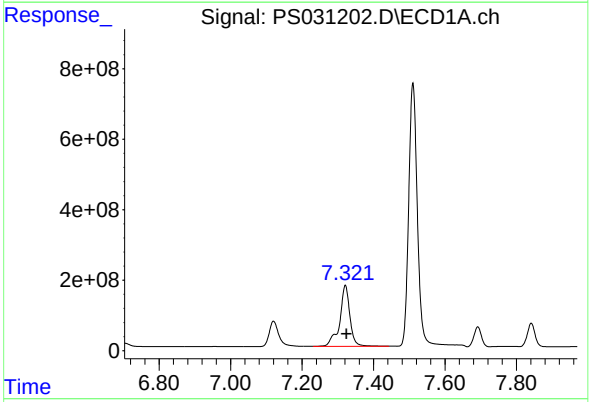
R.T.: 7.120 min
Delta R.T.: -0.004 min
Response: 1341485608
Conc: 813.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



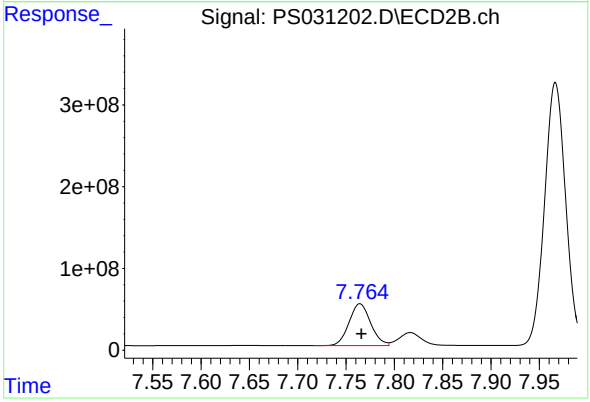
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 1307934163
Conc: 722.89 ng/ml



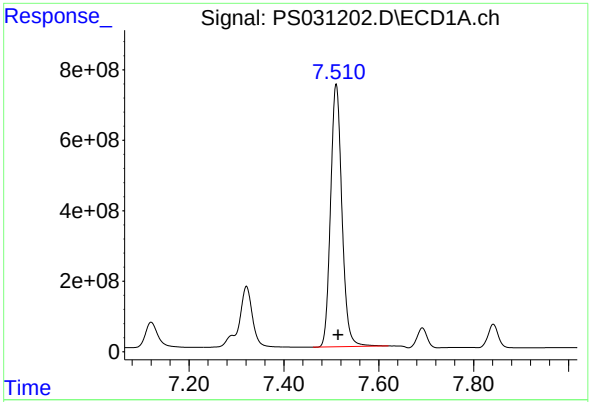
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 3437389369
Conc: 790.52 ng/ml



#4 2,4-DCAA

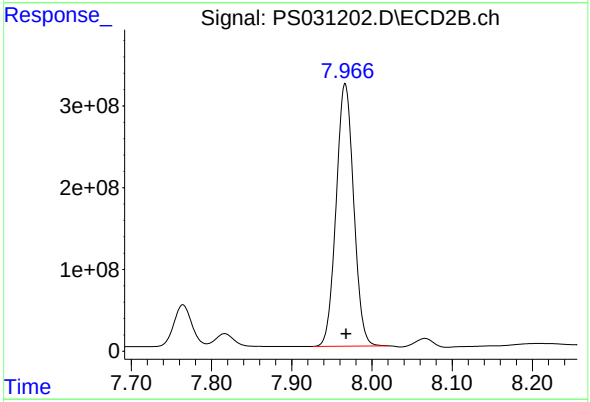
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 795275097
Conc: 783.55 ng/ml



#5 DICAMBA

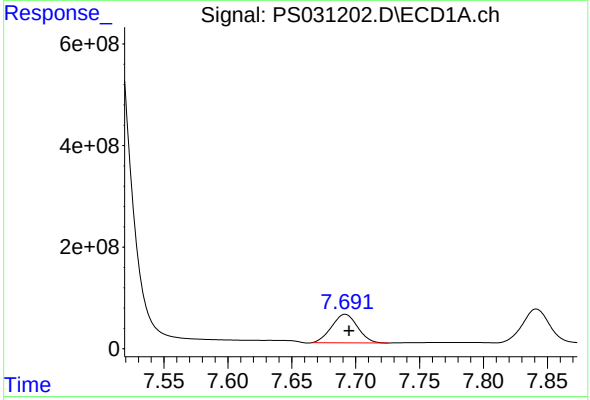
R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 12382312070
Conc: 750.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



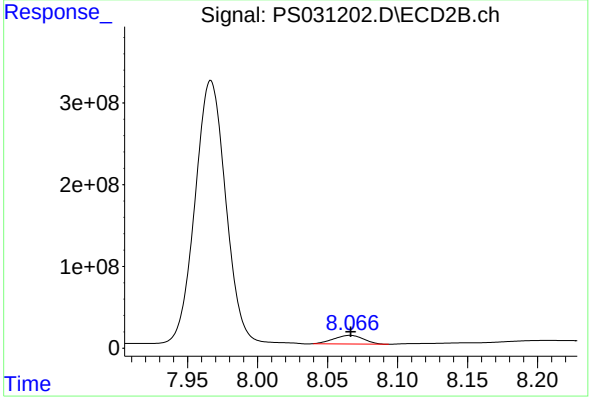
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.001 min
Response: 4874983674
Conc: 755.42 ng/ml



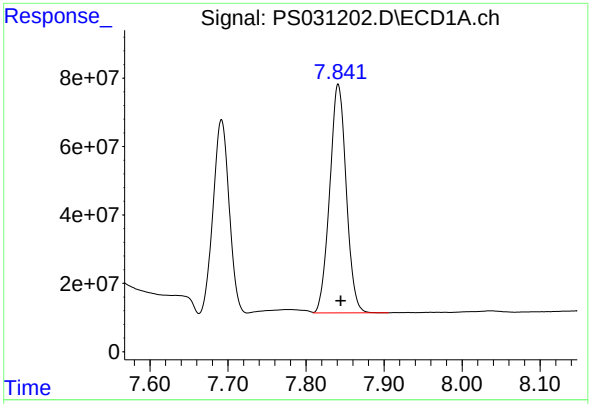
#6 MCPP

R.T.: 7.692 min
Delta R.T.: -0.003 min
Response: 789993130
Conc: 78.92 ug/ml



#6 MCPP

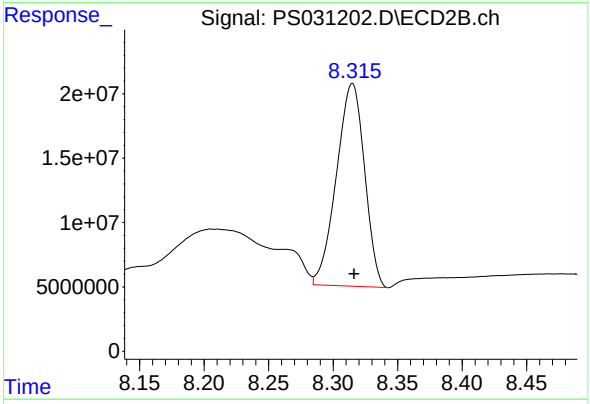
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 156890156
Conc: 75.51 ug/ml



#7 MCPA

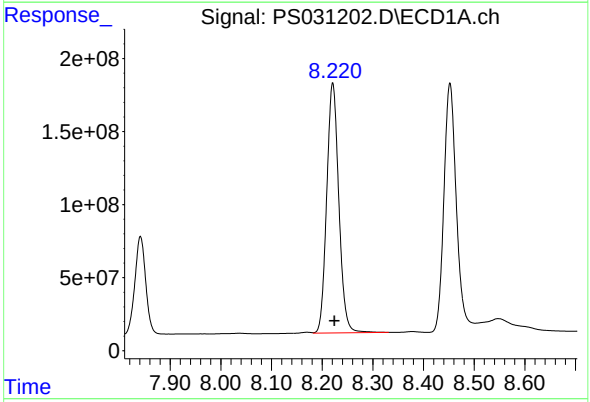
R.T.: 7.841 min
Delta R.T.: -0.003 min
Response: 983779212
Conc: 78.61 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



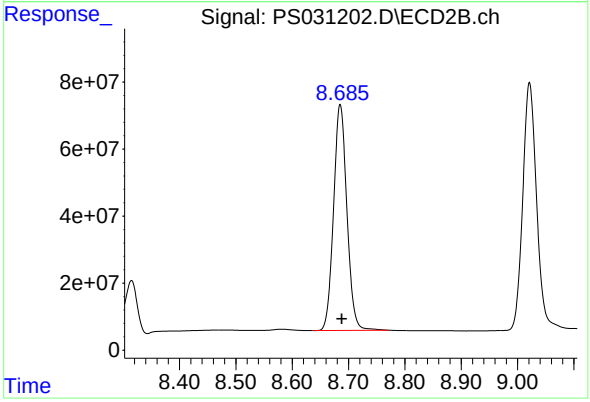
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.001 min
Response: 238743196
Conc: 75.67 ug/ml



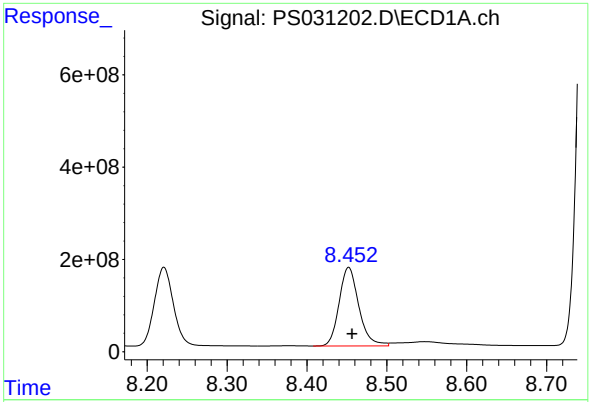
#8 DICHLORPROP

R.T.: 8.221 min
Delta R.T.: -0.004 min
Response: 2840077335
Conc: 743.10 ng/ml



#8 DICHLORPROP

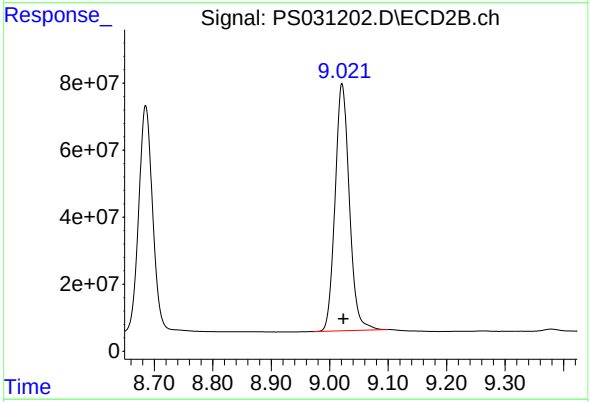
R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1108874011
Conc: 732.00 ng/ml



#9 2,4-D

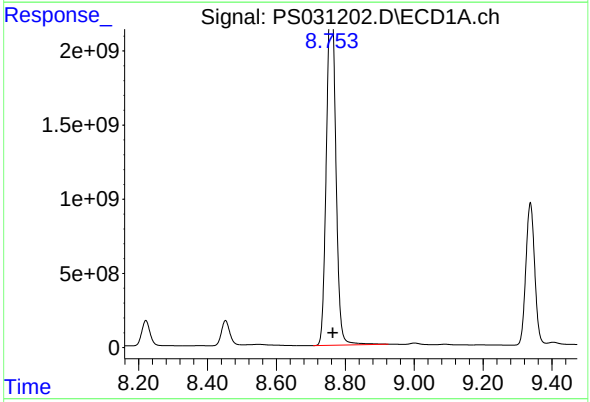
R.T.: 8.452 min
Delta R.T.: -0.004 min
Response: 2921227207
Conc: 782.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



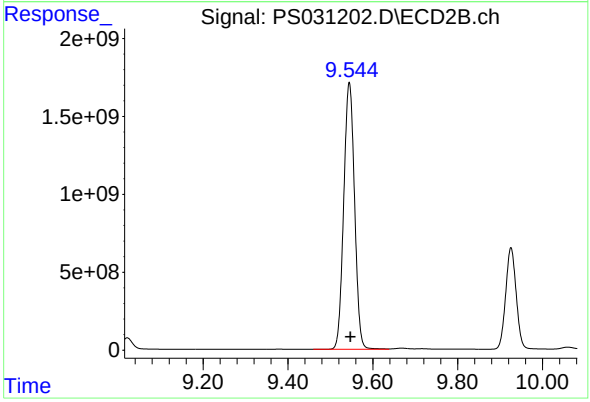
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 1254326336
Conc: 738.57 ng/ml



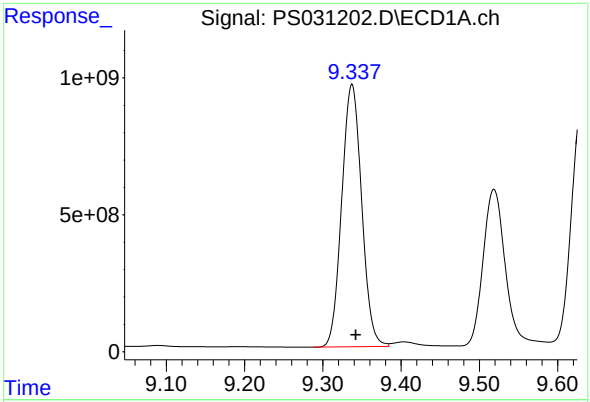
#10 Pentachlorophenol

R.T.: 8.762 min
Delta R.T.: -0.002 min
Response: 43362647638
Conc: 793.87 ng/ml



#10 Pentachlorophenol

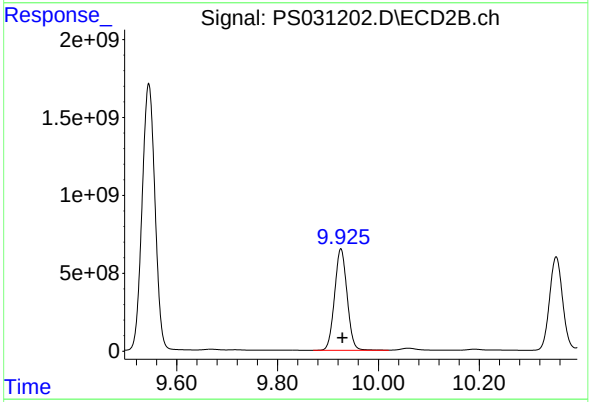
R.T.: 9.545 min
Delta R.T.: -0.003 min
Response: 30334488674
Conc: 776.19 ng/ml



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

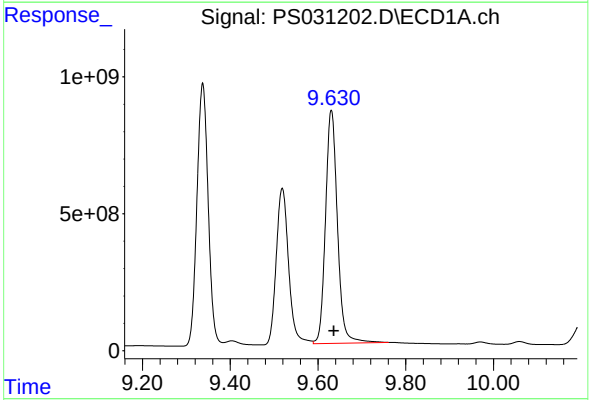
R.T.: 9.337 min
Delta R.T.: -0.005 min
Response: 16967810559
Conc: 772.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



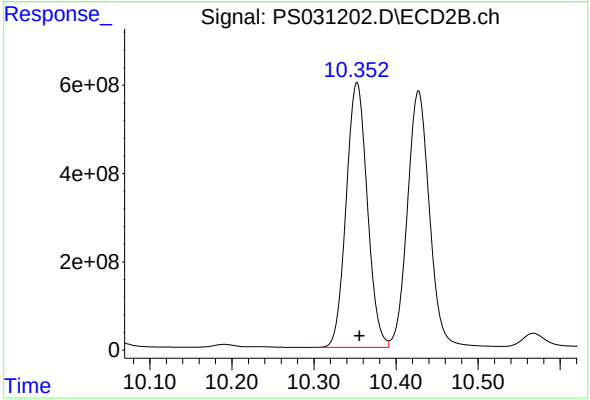
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 11192414211
Conc: 751.46 ng/ml



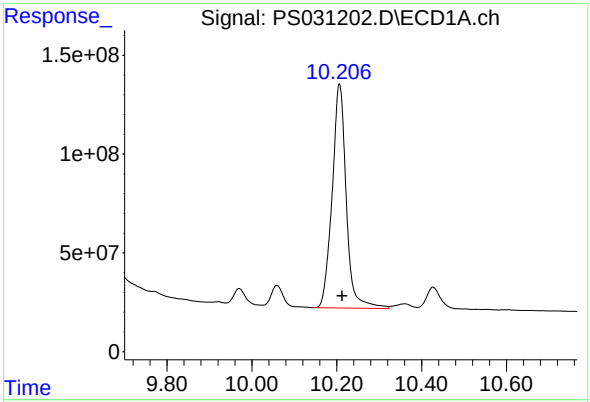
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 16059537562
Conc: 822.39 ng/ml



#12 2,4,5-T

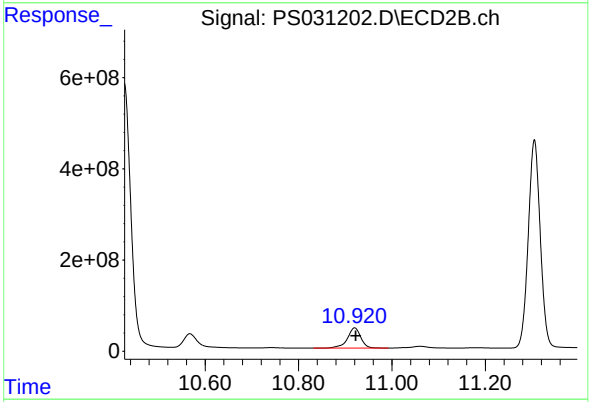
R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 10724134366
Conc: 754.19 ng/ml



#13 2,4-DB

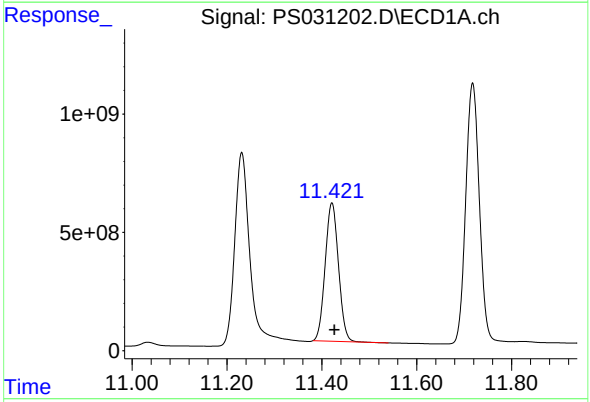
R.T.: 10.206 min
Delta R.T.: -0.006 min
Response: 2617725077
Conc: 875.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



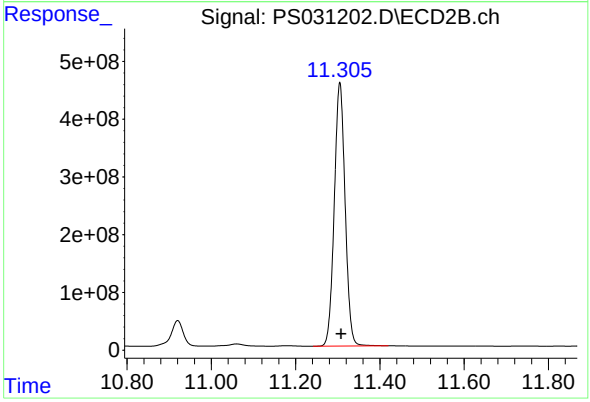
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 886636203
Conc: 757.48 ng/ml



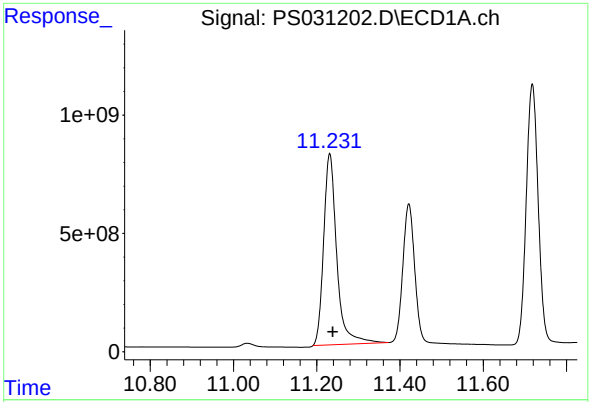
#14 DINOSEB

R.T.: 11.421 min
Delta R.T.: -0.005 min
Response: 11379967285
Conc: 730.91 ng/ml



#14 DINOSEB

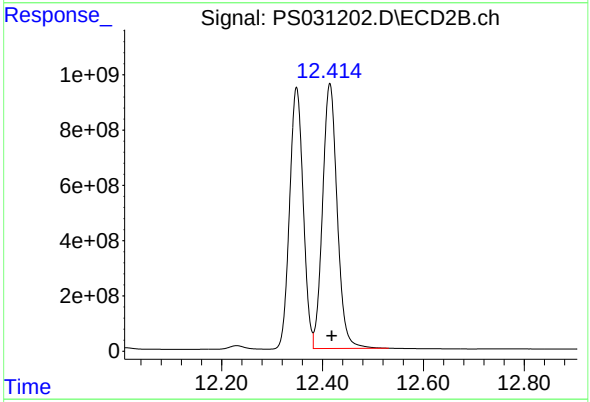
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 8147297655
Conc: 720.87 ng/ml



#15 Picloram

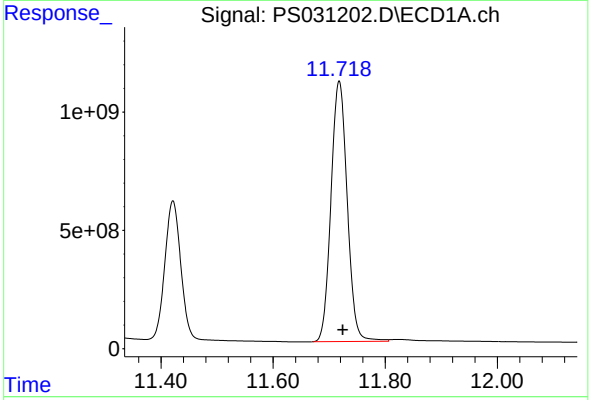
R.T.: 11.231 min
Delta R.T.: -0.007 min
Response: 17723814588
Conc: 885.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



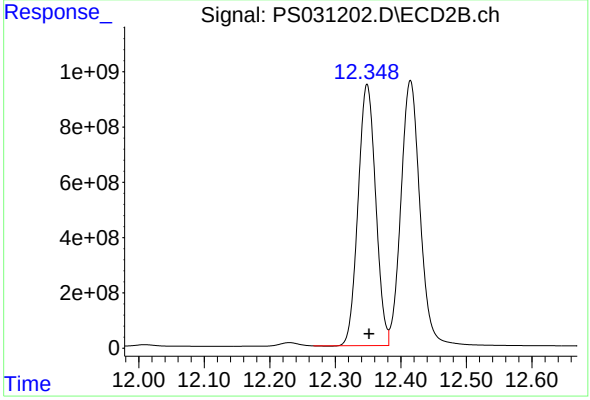
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 19303528903
Conc: 775.40 ng/ml



#16 DCPA

R.T.: 11.718 min
Delta R.T.: -0.006 min
Response: 22118853941
Conc: 770.87 ng/ml



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.003 min
Response: 17609187255
Conc: 764.42 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.

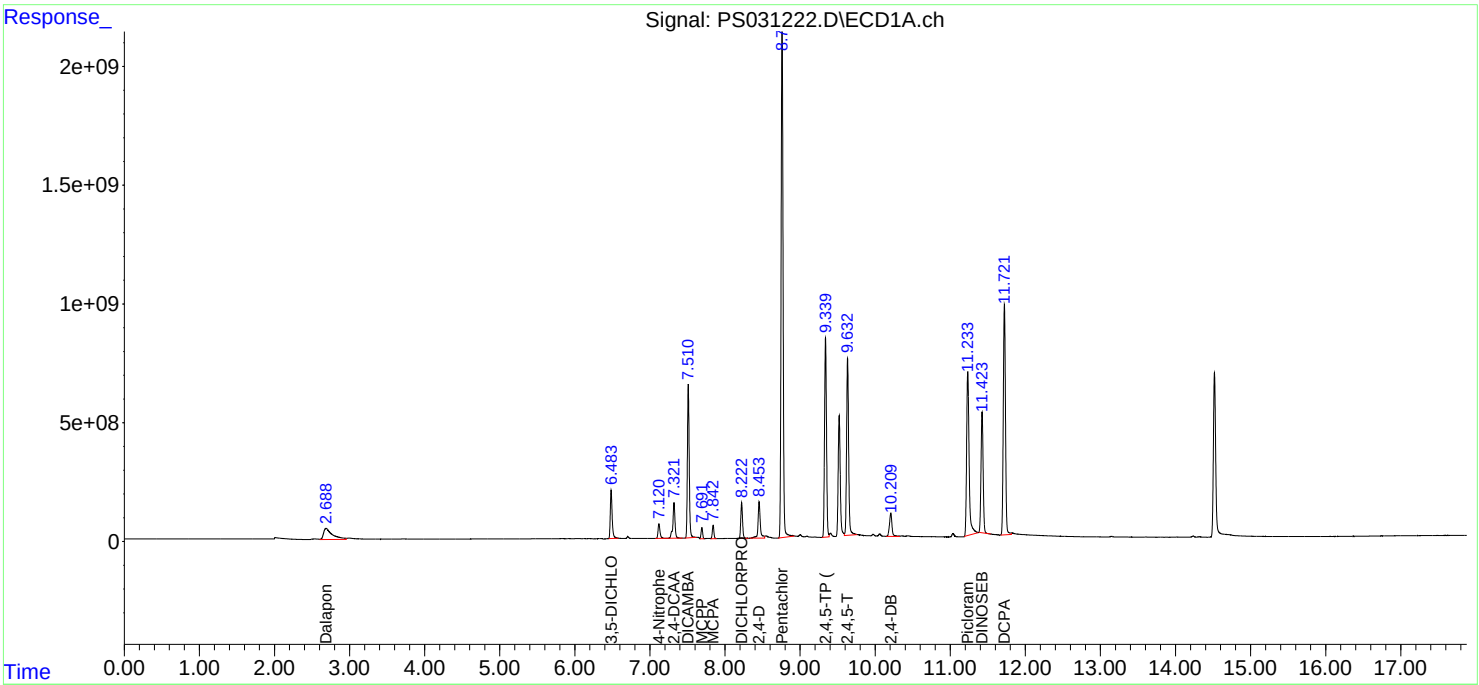
Quantitation Report (Not Reviewed)

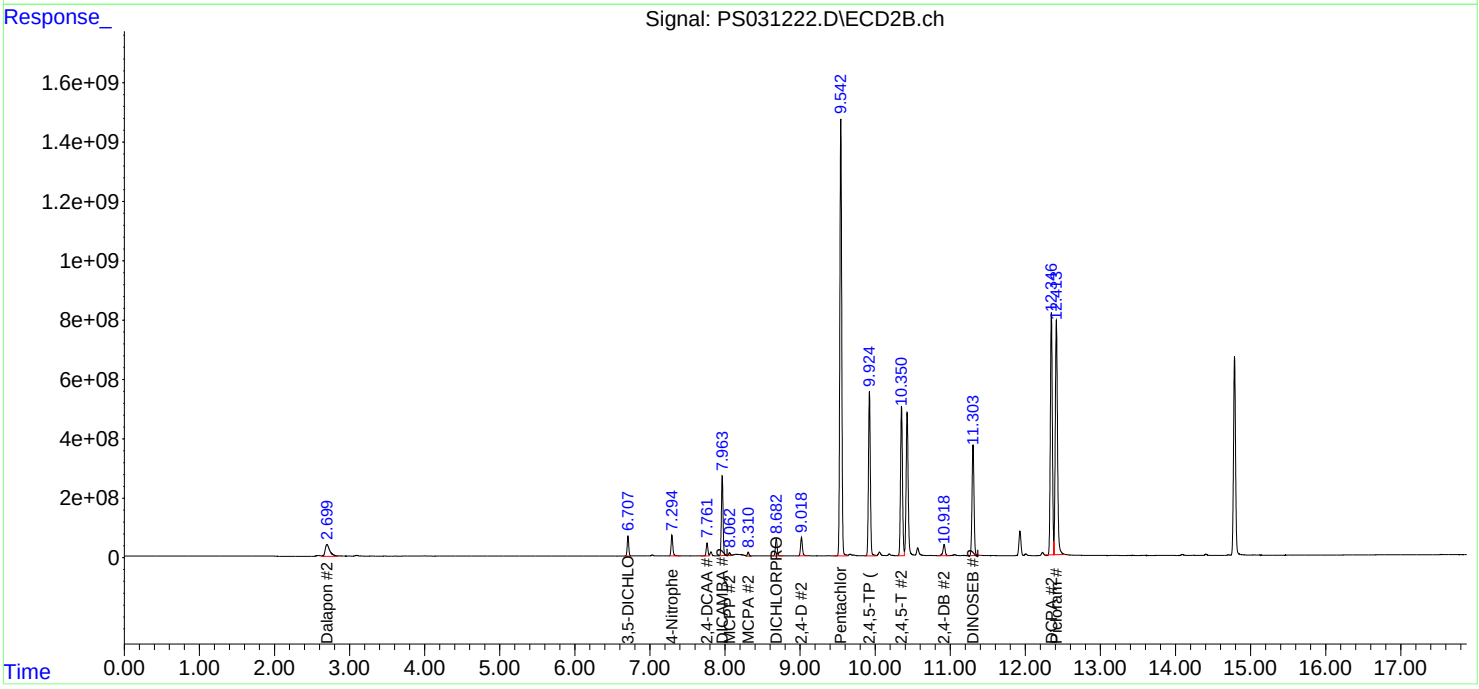
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

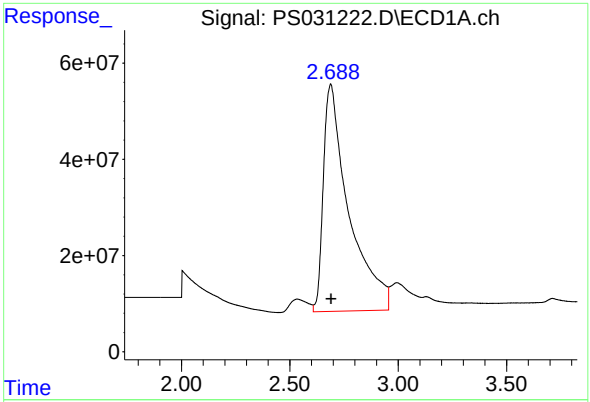
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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



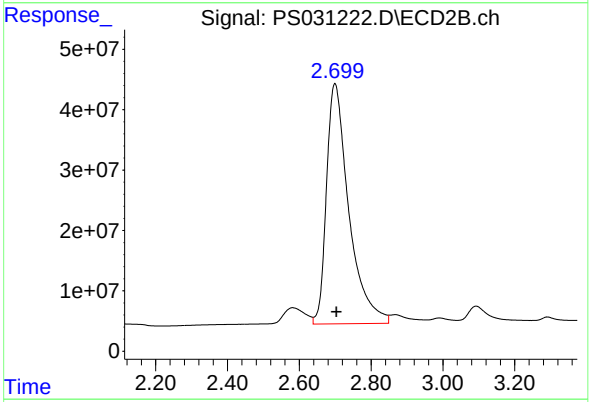




#1 Dalapon

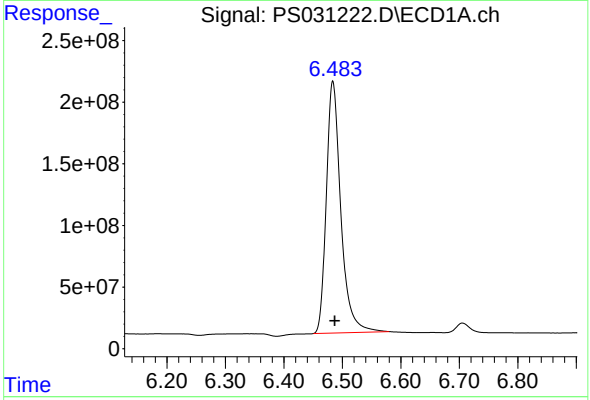
R.T.: 2.688 min
Delta R.T.: -0.002 min
Response: 3848020663
Conc: 613.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



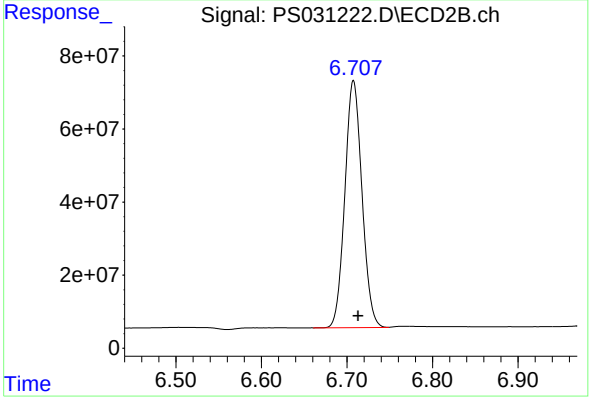
#1 Dalapon

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



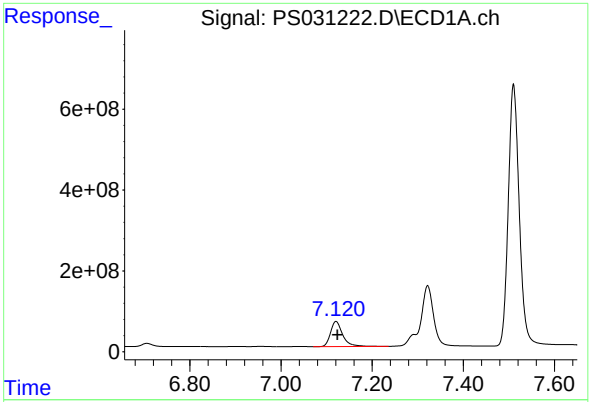
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

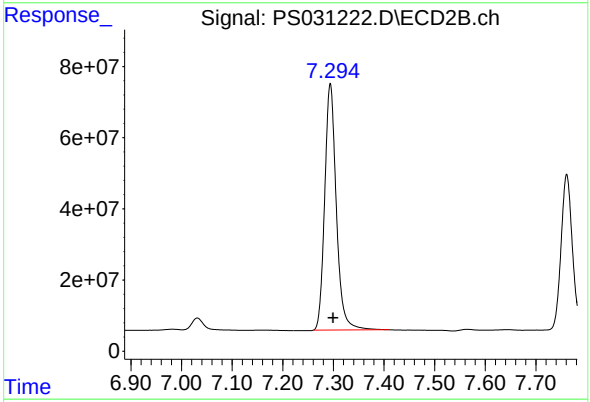
R.T.: 6.708 min
Delta R.T.: -0.005 min
Response: 941063617
Conc: 611.12 ng/ml



#3 4-Nitrophenol

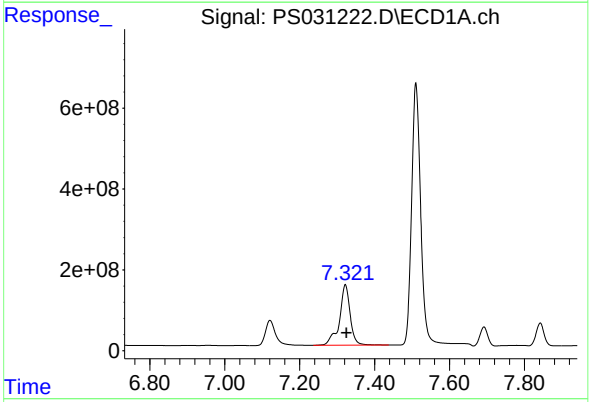
R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 1151587322
Conc: 698.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



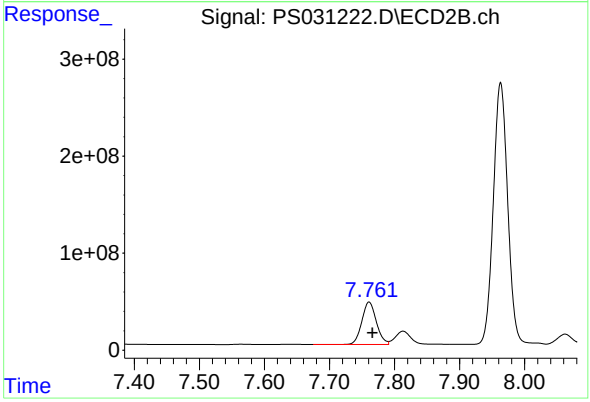
#3 4-Nitrophenol

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



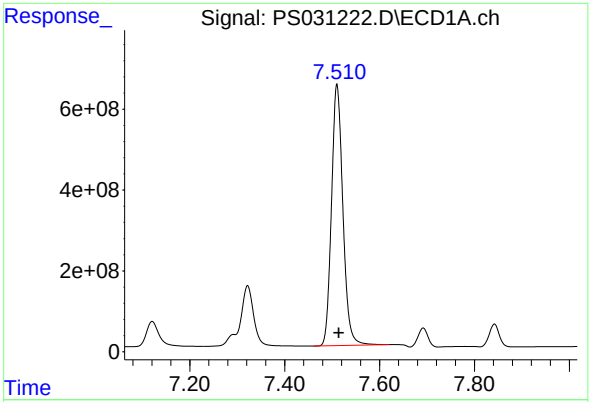
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 2983460530
Conc: 686.13 ng/ml



#4 2,4-DCAA

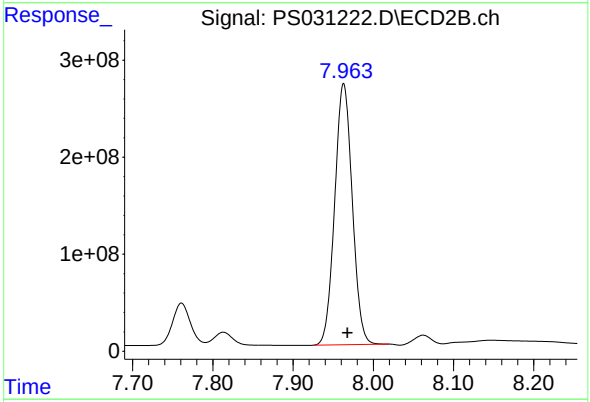
R.T.: 7.761 min
Delta R.T.: -0.005 min
Response: 676234128
Conc: 666.26 ng/ml



#5 DICAMBA

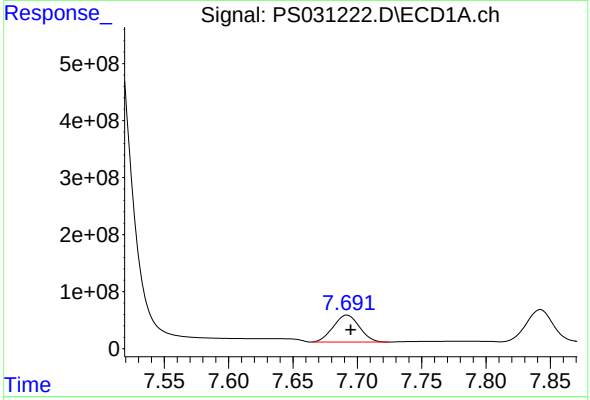
R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 10768380319
Conc: 652.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



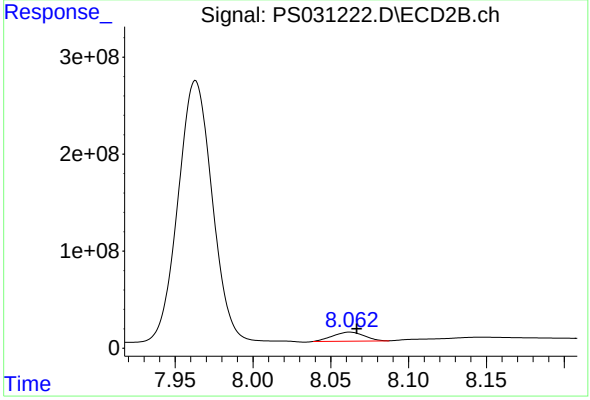
#5 DICAMBA

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



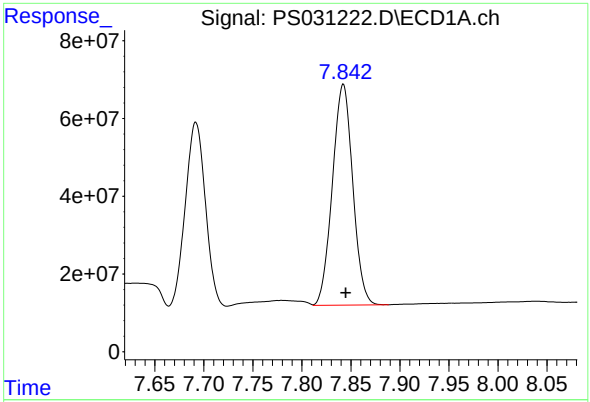
#6 MCPP

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



#6 MCPP

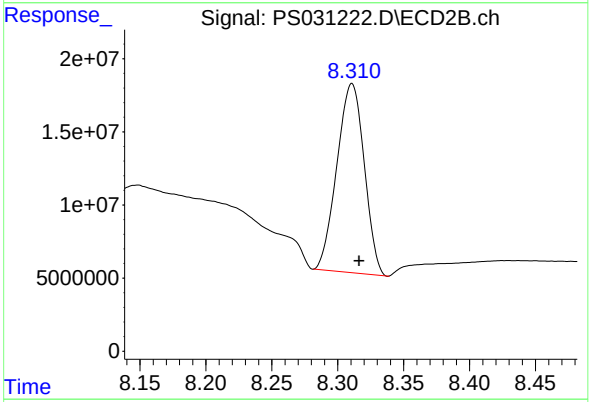
R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 130347363
Conc: 62.73 ug/ml



#7 MCPA

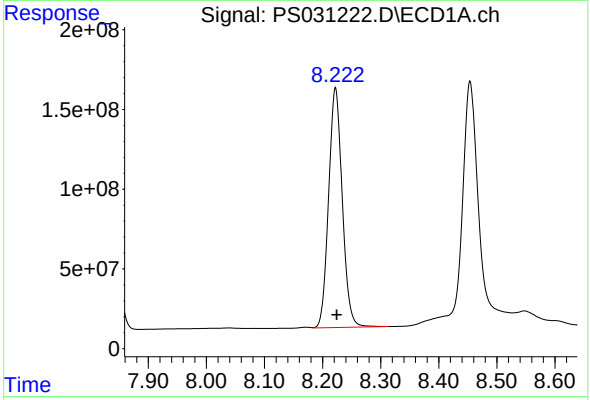
R.T.: 7.842 min
Delta R.T.: -0.002 min
Response: 821178986
Conc: 65.62 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



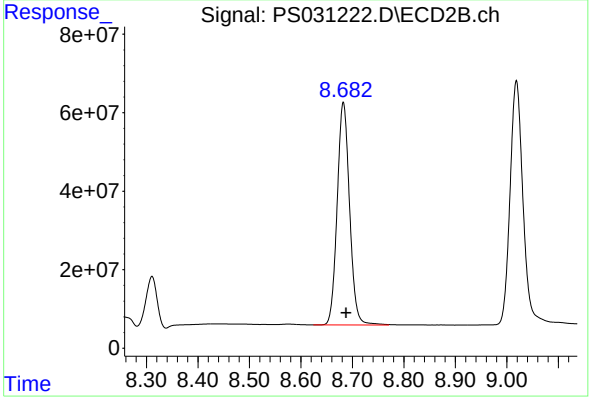
#7 MCPA

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



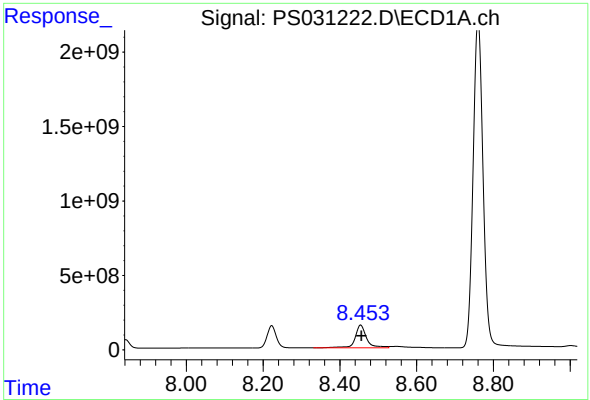
#8 DICHLORPROP

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



#8 DICHLORPROP

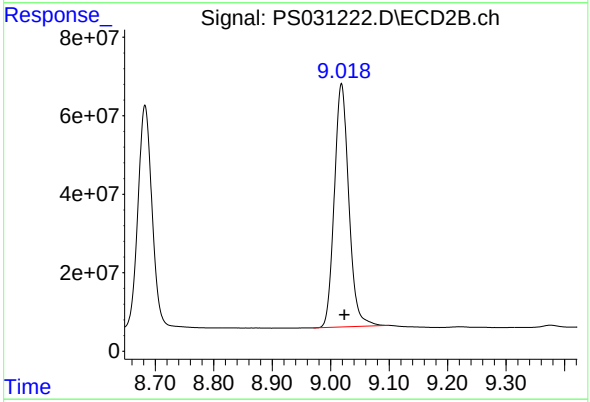
R.T.: 8.682 min
Delta R.T.: -0.005 min
Response: 948562256
Conc: 626.17 ng/ml



#9 2,4-D

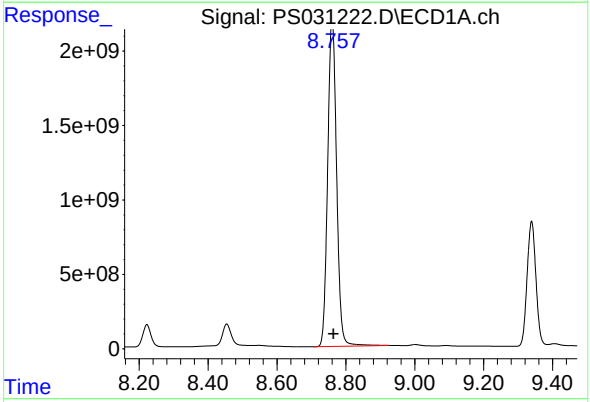
R.T.: 8.454 min
Delta R.T.: -0.002 min
Response: 3170267422
Conc: 848.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



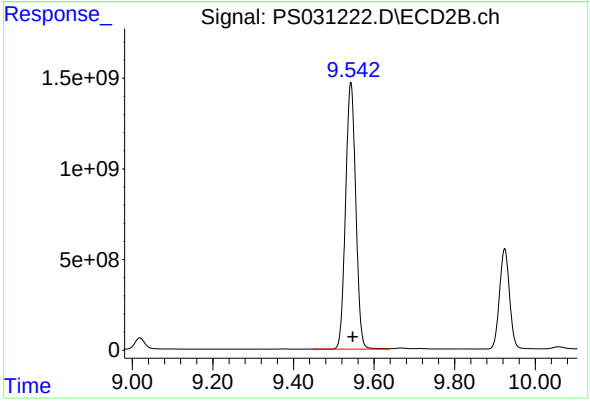
#9 2,4-D

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



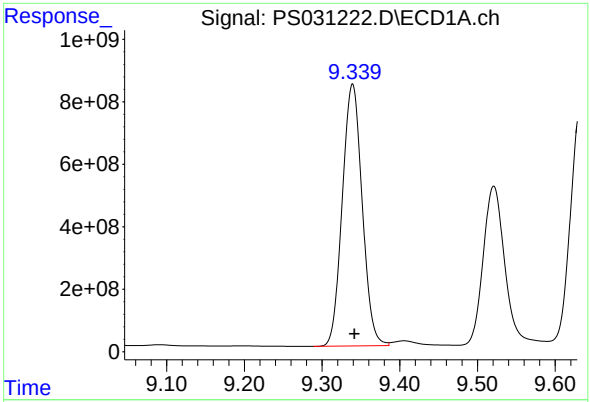
#10 Pentachlorophenol

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



#10 Pentachlorophenol

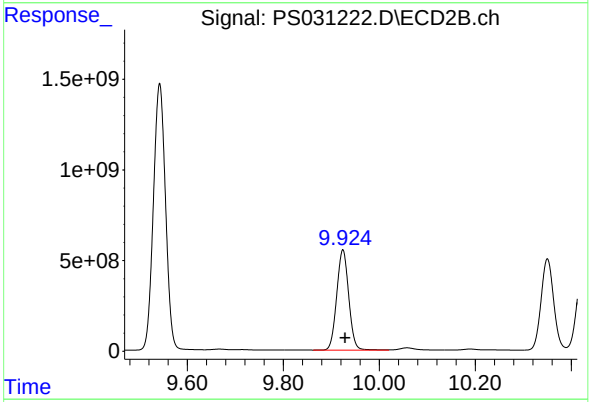
R.T.: 9.542 min
Delta R.T.: -0.005 min
Response: 25843869223
Conc: 661.29 ng/ml



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

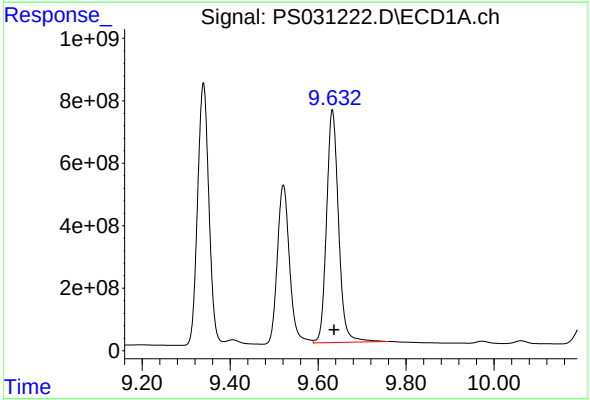
R.T.: 9.339 min
Delta R.T.: -0.003 min
Response: 14897723114
Conc: 678.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



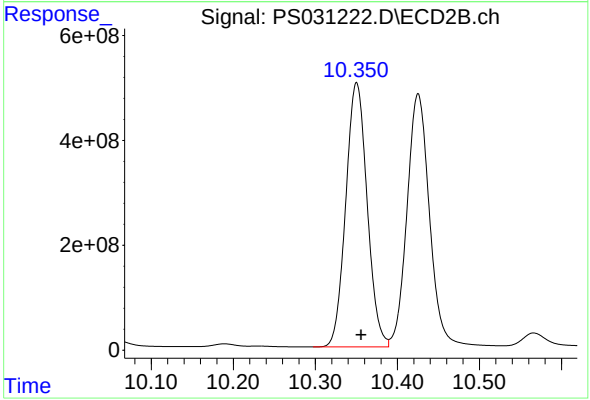
#11 2,4,5-TP (SILVEX)

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



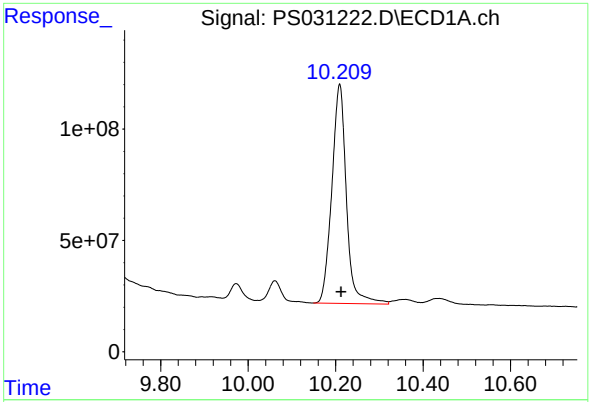
#12 2,4,5-T

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



#12 2,4,5-T

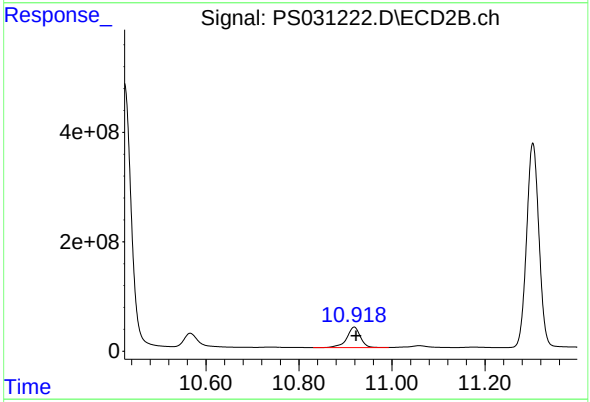
R.T.: 10.350 min
Delta R.T.: -0.005 min
Response: 9121585184
Conc: 641.49 ng/ml



#13 2,4-DB

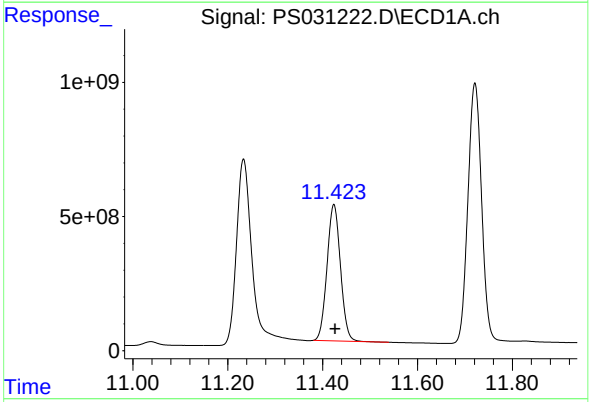
R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 2281228611
Conc: 762.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



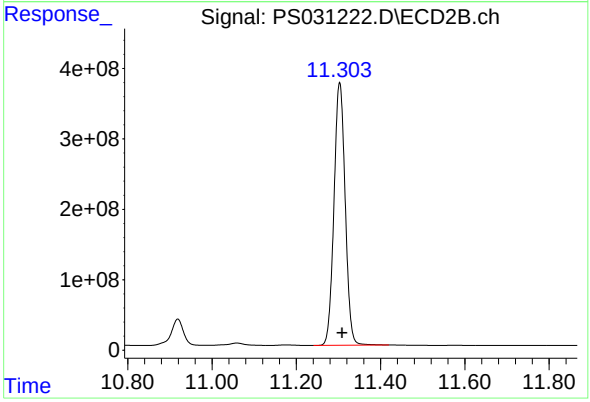
#13 2,4-DB

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



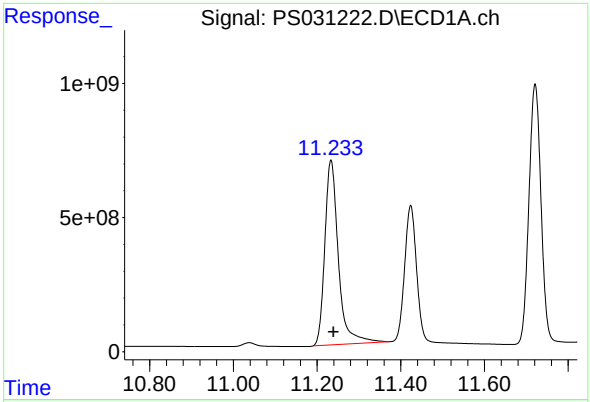
#14 DINOSEB

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



#14 DINOSEB

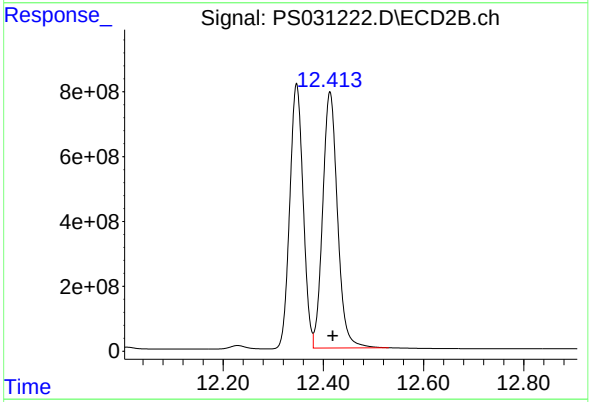
R.T.: 11.303 min
Delta R.T.: -0.005 min
Response: 6886615500
Conc: 609.32 ng/ml



#15 Picloram

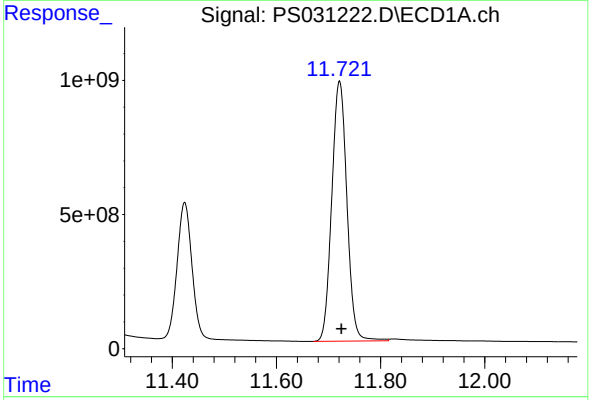
R.T.: 11.233 min
Delta R.T.: -0.005 min
Response: 15503151258
Conc: 774.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



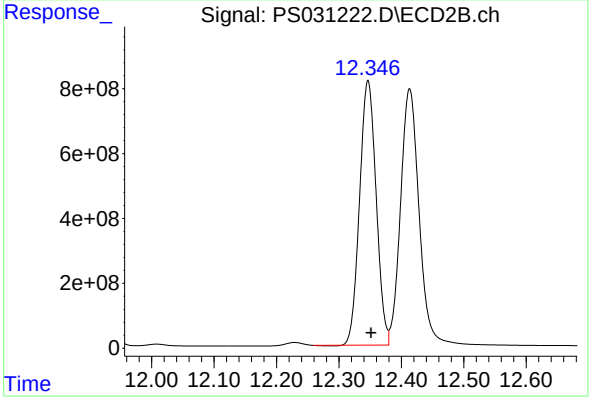
#15 Picloram

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 : PS031226.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:02
Operator : AR\AJ
Sample : Q2558-01MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:06:09 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	1271.8E6	326.1E6	292.485	321.261
	Target Compounds						
1) T	Dalapon	2.679	2.698	2971.2E6	1780.5E6	473.660	627.668 #
2) T	3,5-DICHL...	6.483	6.711	1735.8E6	468.5E6	314.301	304.239
3) T	4-Nitroph...	7.119	7.298	435.6E6	441.4E6	264.196	243.949
5) T	DICAMBA	7.508	7.966	4757.3E6	1841.0E6	288.374	285.283
6) T	MCPP	7.688	8.063	251.9E6	48827341	25.165	23.499
7) T	MCPA	7.837	8.309	380.5E6	72566005	30.407	22.999
8) T	DICHLORPROP	8.219	8.685	1212.6E6	464.5E6	317.276	306.625
9) T	2,4-D	8.451	9.022	1432.2E6	625.4E6	383.453	368.264
10) T	Pentachlo...	8.757	9.544	17111.1E6	10906.5E6	313.267	279.074
11) T	2,4,5-TP ...	9.336	9.926	7172.7E6	4808.5E6	326.721	322.841
12) T	2,4,5-T	9.629	10.353	6631.9E6	4289.8E6	339.612	301.683
13) T	2,4-DB	10.207	10.921	1249.8E6	331.5E6	418.006	283.236 #
14) T	DINOSEB	11.419	11.305	591.3E6	455.1E6	37.977	40.264
15) T	Picloram	11.229	12.415	5524.8E6	5486.8E6	276.147	220.399
16) T	DCPA	11.714	12.348	6631.9E6	6595.0E6	231.128	286.293

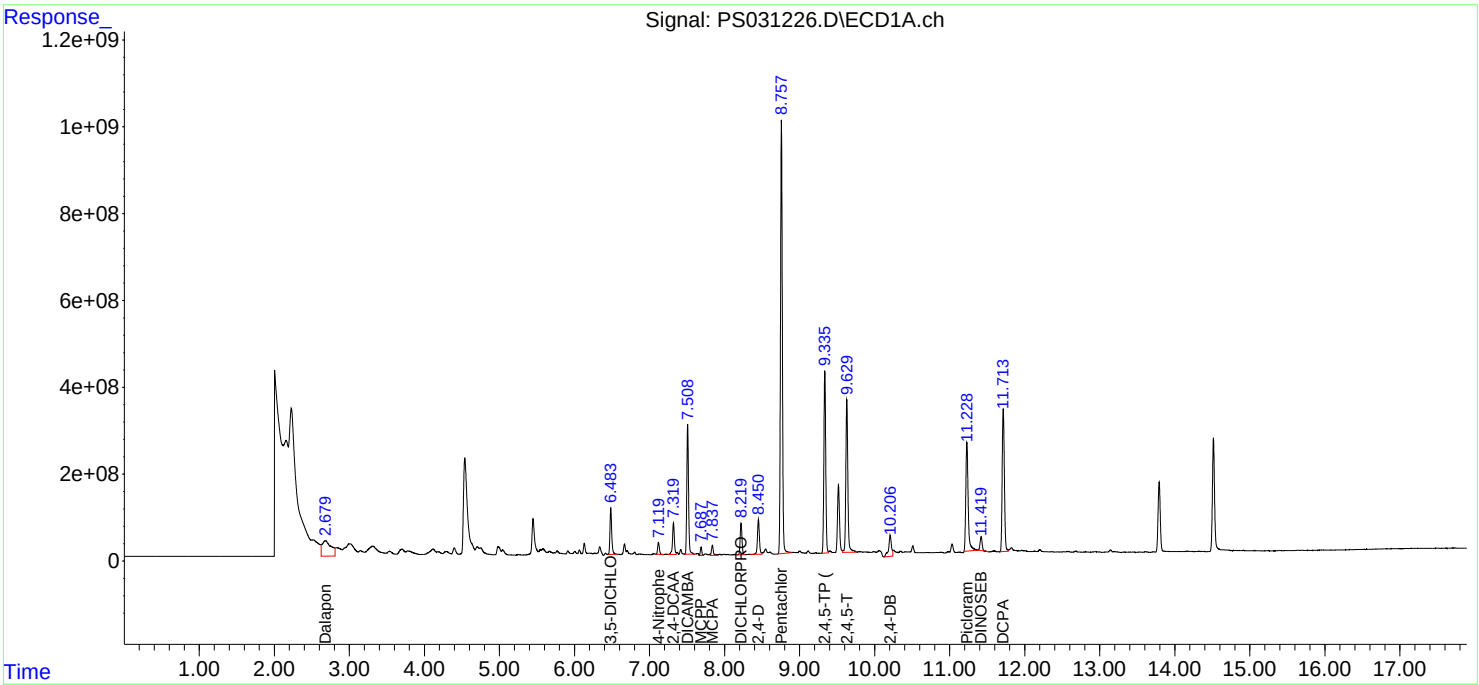
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

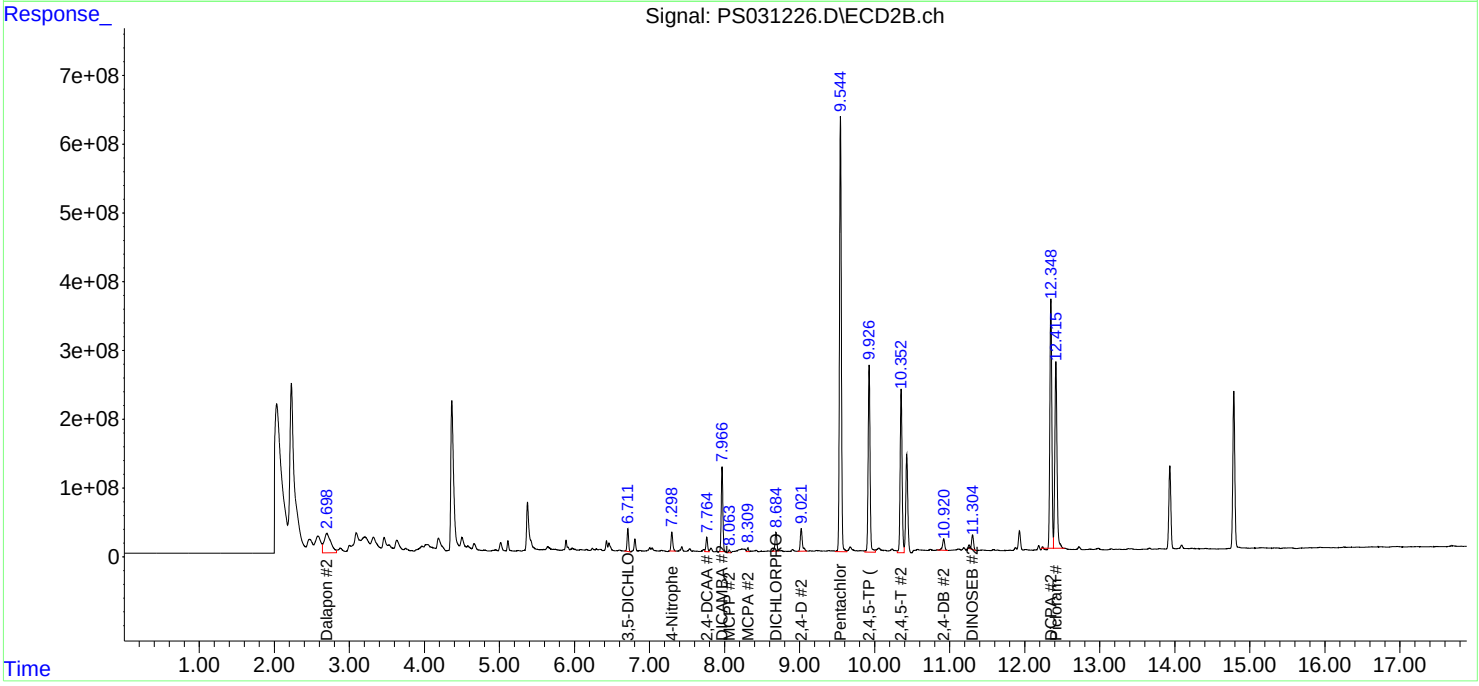
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031226.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:02
Operator : AR\AJ
Sample : Q2558-01MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

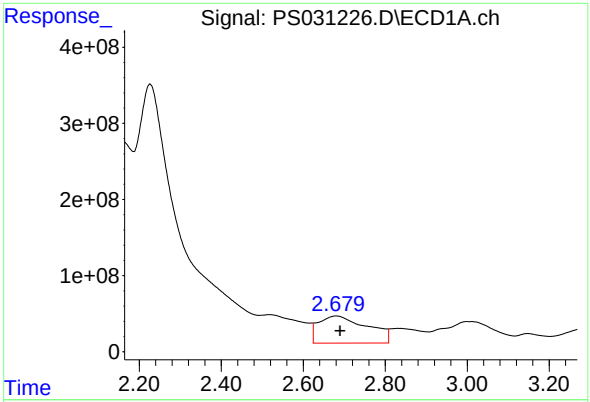
Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:06:09 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



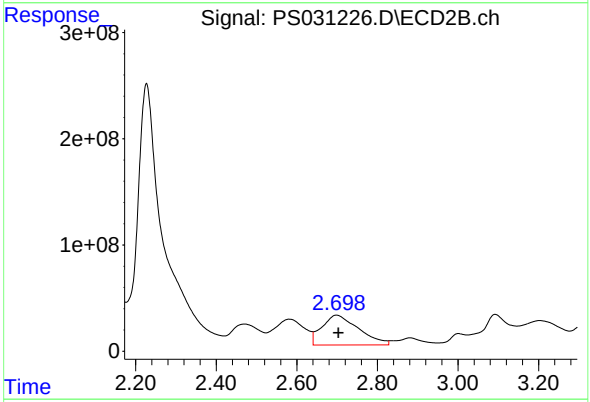




#1 Dalapon

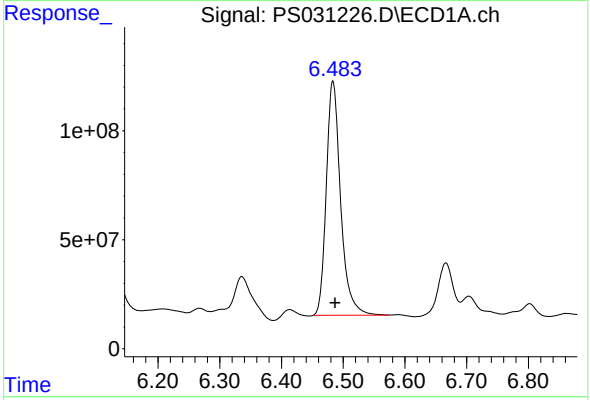
R.T.: 2.679 min
Delta R.T.: -0.011 min
Response: 2971223880
Conc: 473.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS



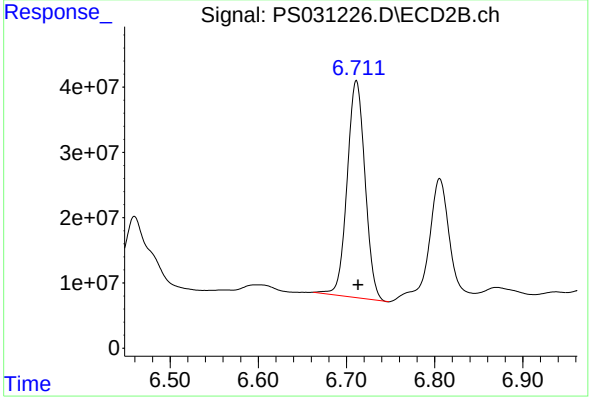
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: -0.005 min
Response: 1780532144
Conc: 627.67 ng/ml



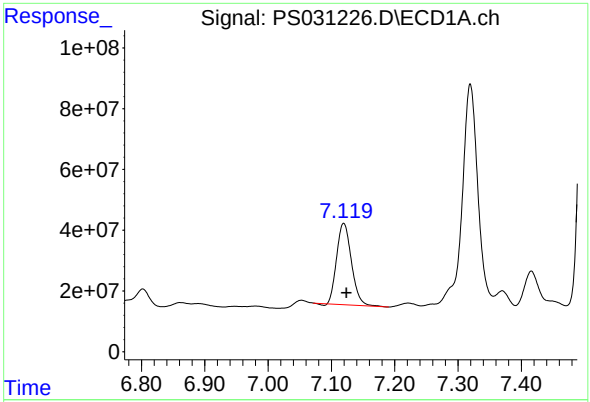
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 1735807006
Conc: 314.30 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

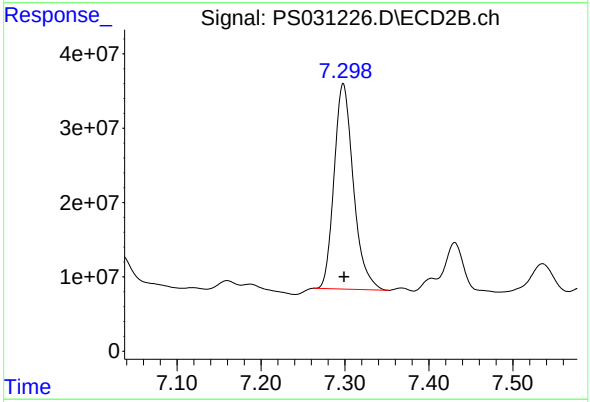
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 468495386
Conc: 304.24 ng/ml



#3 4-Nitrophenol

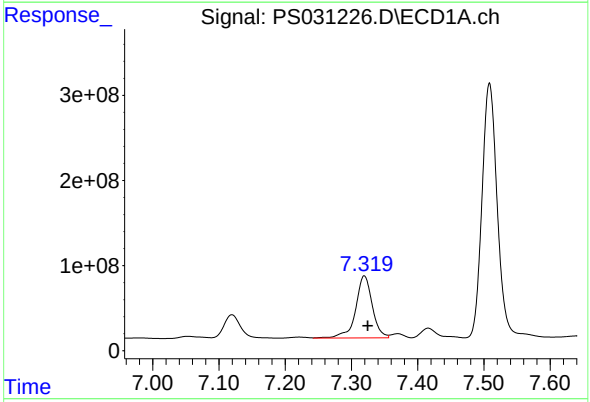
R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 435601689
Conc: 264.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS



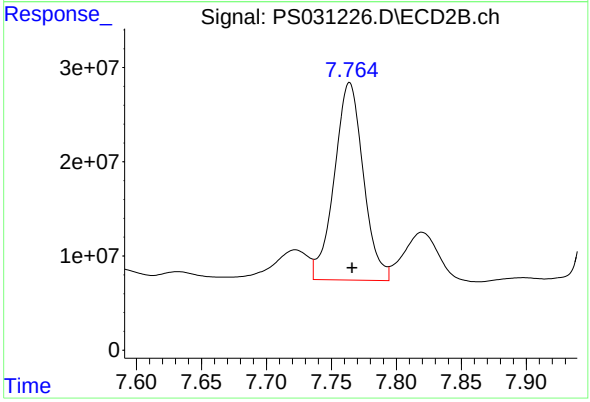
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 441381168
Conc: 243.95 ng/ml



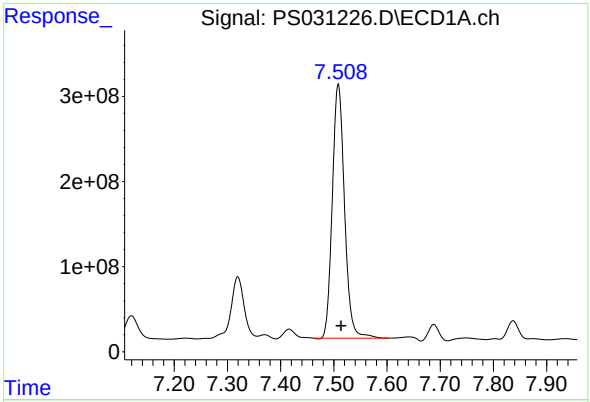
#4 2,4-DCAA

R.T.: 7.319 min
Delta R.T.: -0.005 min
Response: 1271800638
Conc: 292.49 ng/ml



#4 2,4-DCAA

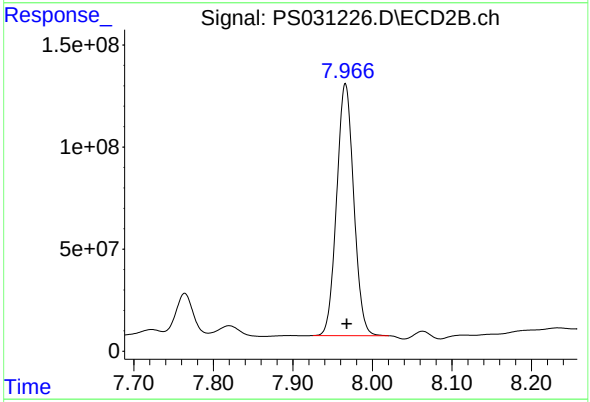
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 326069262
Conc: 321.26 ng/ml



#5 DICAMBA

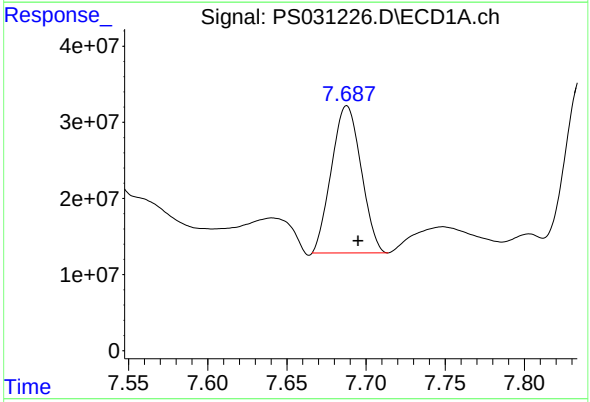
R.T.: 7.508 min
Delta R.T.: -0.005 min
Response: 4757290779
Conc: 288.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS



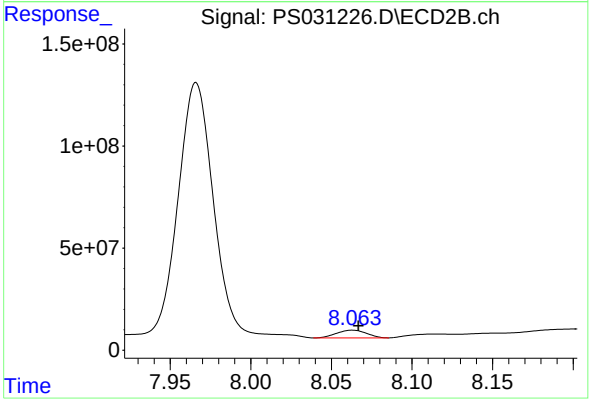
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 1841034966
Conc: 285.28 ng/ml



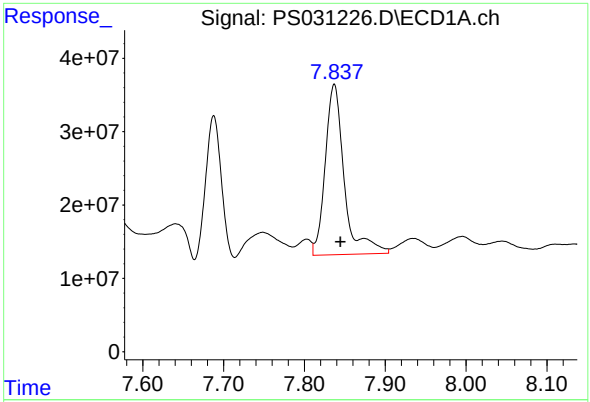
#6 MCPP

R.T.: 7.688 min
Delta R.T.: -0.007 min
Response: 251906412
Conc: 25.17 ug/ml



#6 MCPP

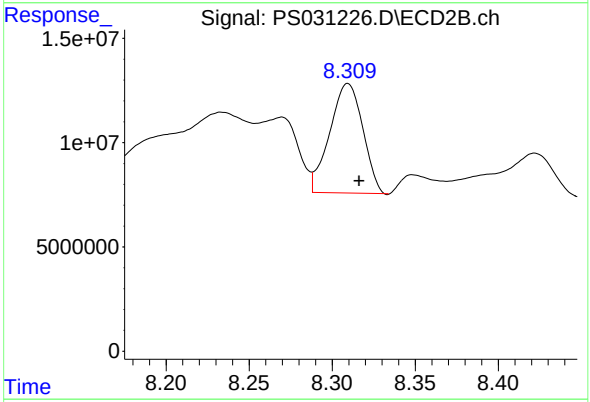
R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 48827341
Conc: 23.50 ug/ml



#7 MCPA

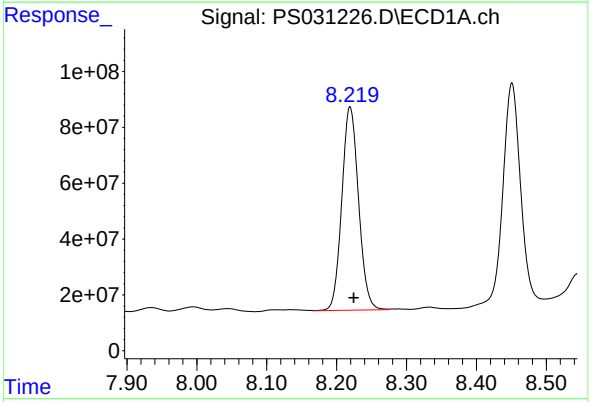
R.T.: 7.837 min
Delta R.T.: -0.008 min
Response: 380515067
Conc: 30.41 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS



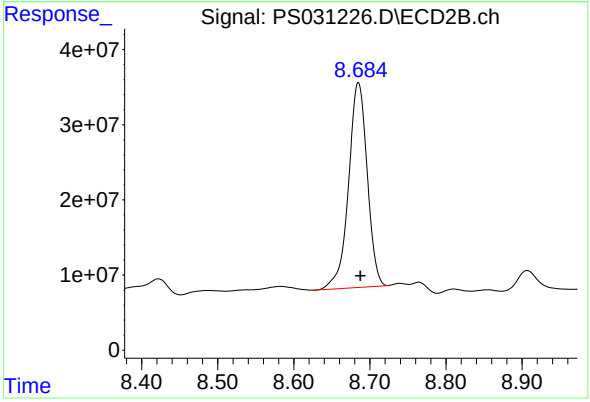
#7 MCPA

R.T.: 8.309 min
Delta R.T.: -0.007 min
Response: 72566005
Conc: 23.00 ug/ml



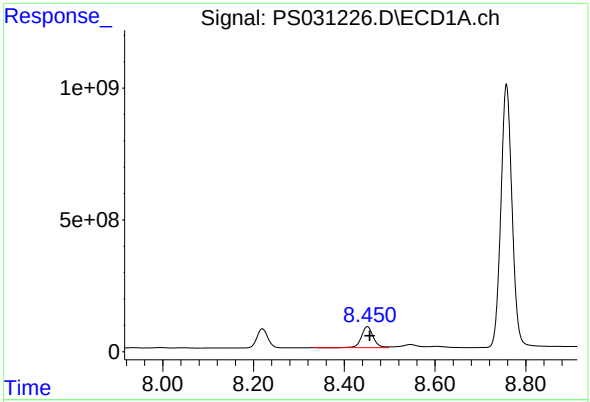
#8 DICHLORPROP

R.T.: 8.219 min
Delta R.T.: -0.005 min
Response: 1212614966
Conc: 317.28 ng/ml



#8 DICHLORPROP

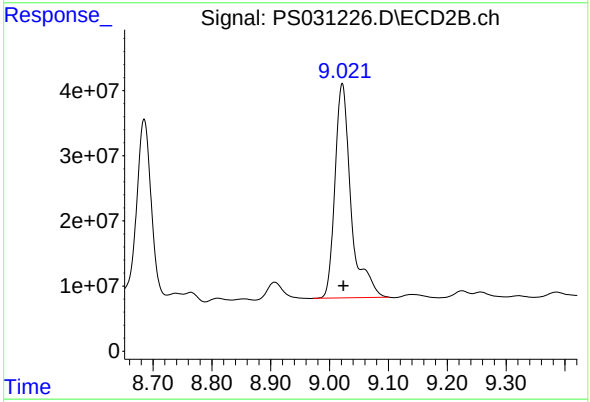
R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 464494363
Conc: 306.63 ng/ml



#9 2,4-D

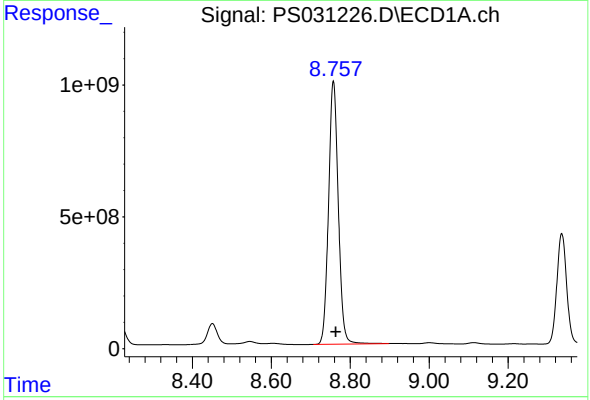
R.T.: 8.451 min
Delta R.T.: -0.006 min
Response: 1432163572
Conc: 383.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS



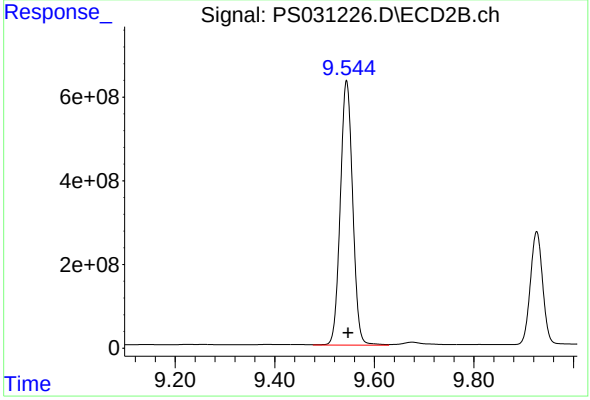
#9 2,4-D

R.T.: 9.022 min
Delta R.T.: -0.002 min
Response: 625429645
Conc: 368.26 ng/ml



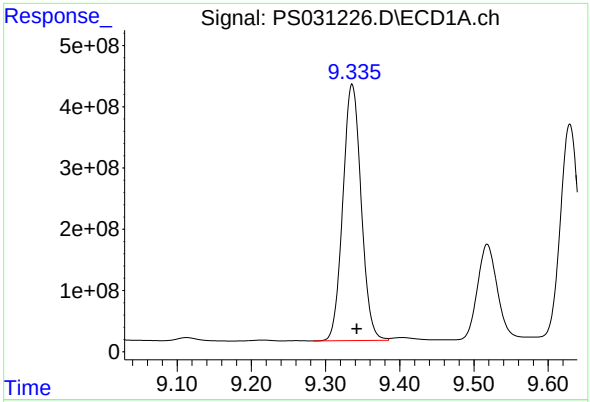
#10 Pentachlorophenol

R.T.: 8.757 min
Delta R.T.: -0.006 min
Response: 17111148420
Conc: 313.27 ng/ml



#10 Pentachlorophenol

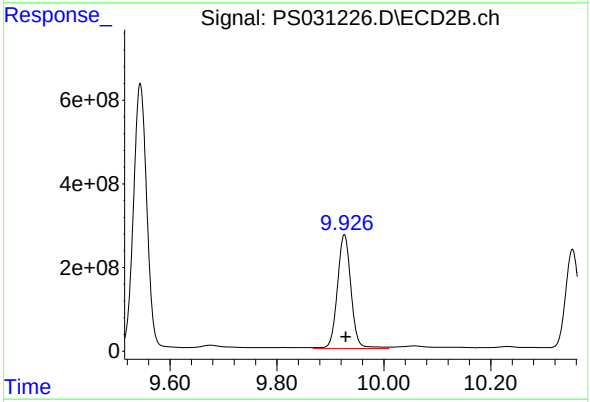
R.T.: 9.544 min
Delta R.T.: -0.003 min
Response: 10906546910
Conc: 279.07 ng/ml



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

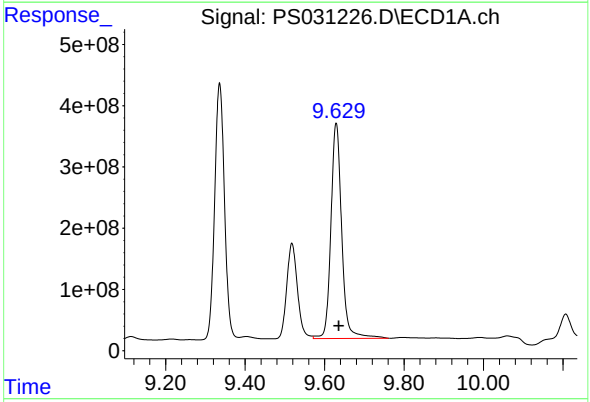
R.T.: 9.336 min
Delta R.T.: -0.006 min
Response: 7172700250
Conc: 326.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS



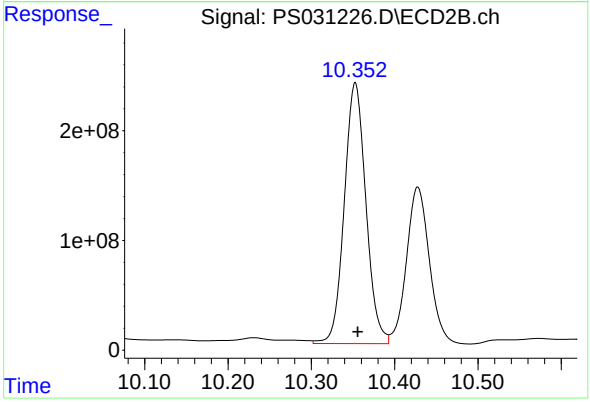
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 4808451048
Conc: 322.84 ng/ml



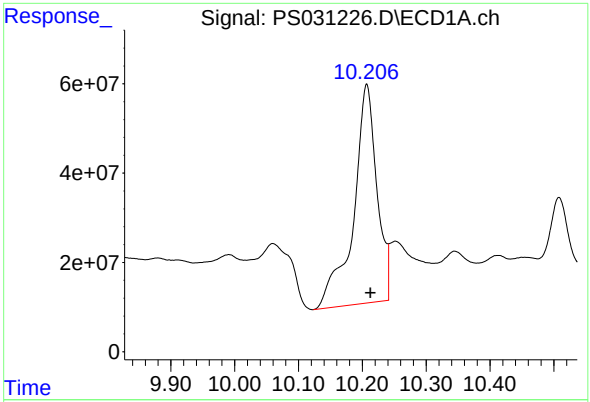
#12 2,4,5-T

R.T.: 9.629 min
Delta R.T.: -0.007 min
Response: 6631871184
Conc: 339.61 ng/ml



#12 2,4,5-T

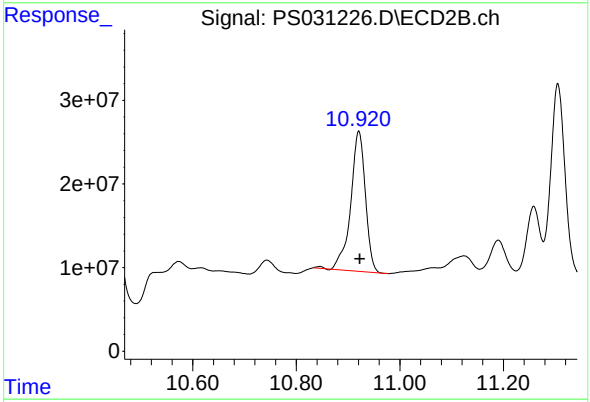
R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 4289763984
Conc: 301.68 ng/ml



#13 2,4-DB

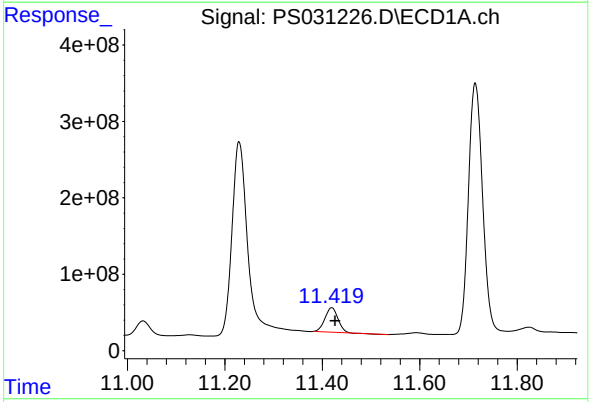
R.T.: 10.207 min
Delta R.T.: -0.006 min
Response: 1249790623
Conc: 418.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS



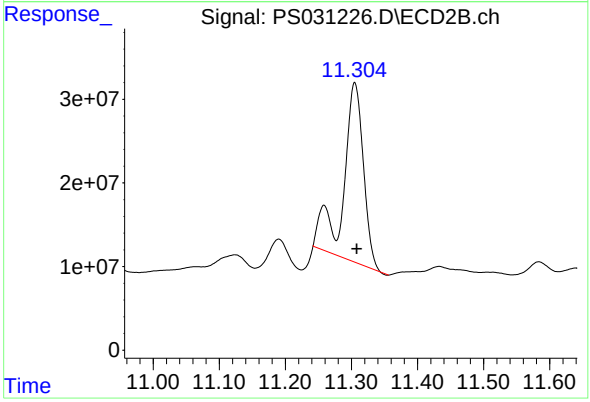
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.002 min
Response: 331530843
Conc: 283.24 ng/ml



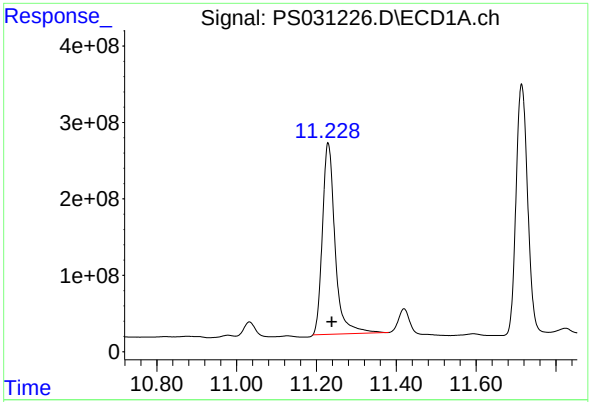
#14 DINOSEB

R.T.: 11.419 min
Delta R.T.: -0.007 min
Response: 591279297
Conc: 37.98 ng/ml



#14 DINOSEB

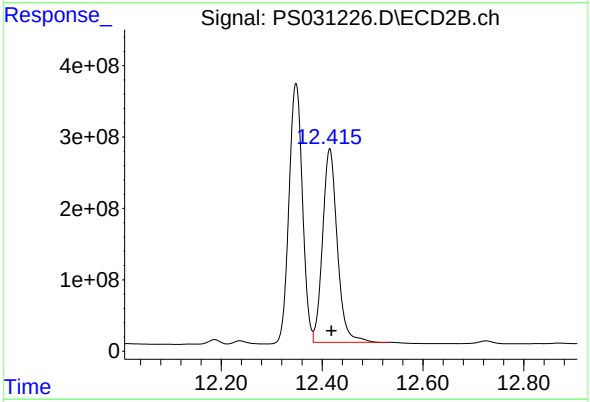
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 455063367
Conc: 40.26 ng/ml



#15 Picloram

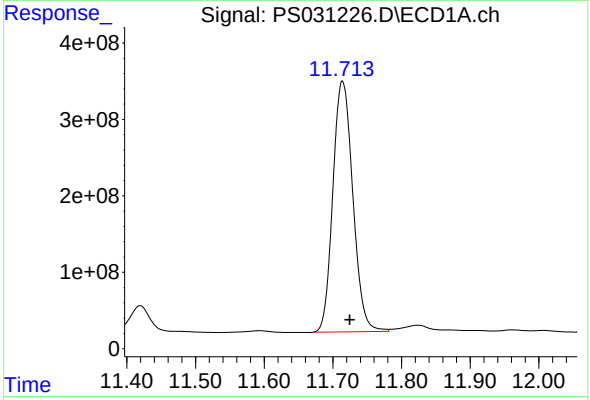
R.T.: 11.229 min
Delta R.T.: -0.009 min
Response: 5524754619
Conc: 276.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MS



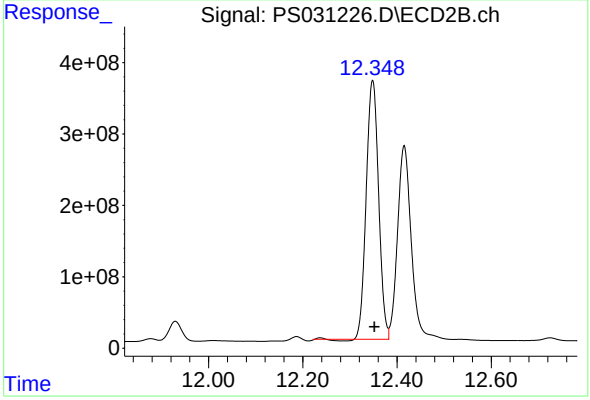
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.003 min
Response: 5486835427
Conc: 220.40 ng/ml



#16 DCPA

R.T.: 11.714 min
Delta R.T.: -0.010 min
Response: 6631872125
Conc: 231.13 ng/ml



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.004 min
Response: 6595048286
Conc: 286.29 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031227.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:26
Operator : AR\AJ
Sample : Q2558-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:06:42 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	1262.7E6	321.0E6	290.397	316.276
	Target Compounds						
1) T	Dalapon	2.680	2.699	3121.7E6	1741.2E6	497.643	613.798
2) T	3,5-DICHL...	6.483	6.712	1734.3E6	468.1E6	314.021	304.007
3) T	4-Nitroph...	7.120	7.298	438.7E6	440.2E6	266.088	243.303
5) T	DICAMBA	7.509	7.966	4733.6E6	1846.1E6	286.936	286.062
6) T	MCPP	7.688	8.063	252.1E6	48190642	25.182	23.193
7) T	MCPA	7.837	8.310	344.2E6	75089103	27.505	23.798
8) T	DICHLORPROP	8.219	8.685	1220.1E6	470.3E6	319.228	310.448
9) T	2,4-D	8.451	9.022	1427.8E6	619.6E6	382.288	364.809
10) T	Pentachlo...	8.758	9.545	17038.4E6	10819.0E6	311.936	276.834
11) T	2,4,5-TP ...	9.336	9.926	7160.5E6	4794.8E6	326.164	321.924
12) T	2,4,5-T	9.630	10.353	6590.2E6	4284.3E6	337.478	301.299
13) T	2,4-DB	10.208	10.921	1251.7E6	329.3E6	418.656	281.292 #
14) T	DINOSEB	11.420	11.306	599.9E6	388.1E6	38.533	34.337
15) T	Picloram	11.231	12.416	5532.2E6	5569.6E6	276.517	223.723
16) T	DCPA	11.713	12.349	6680.3E6	6751.4E6	232.815	293.081 #

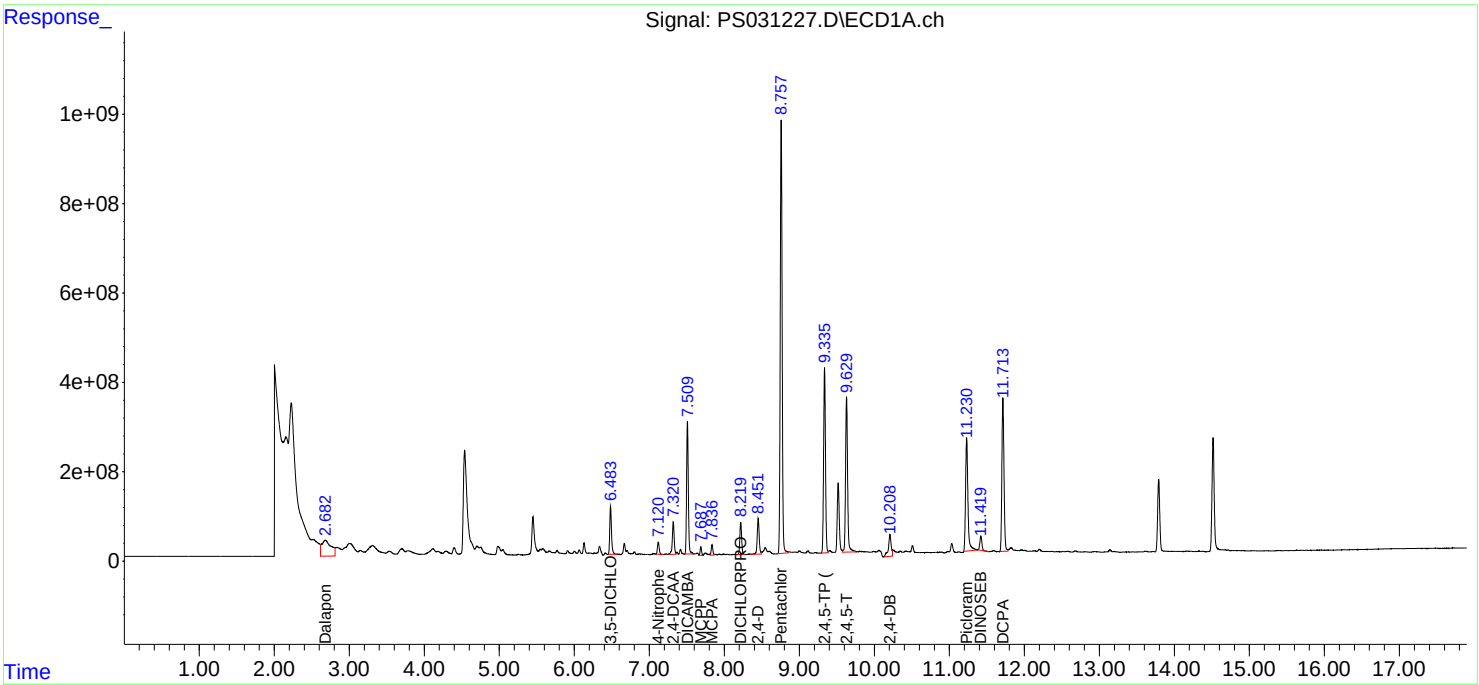
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

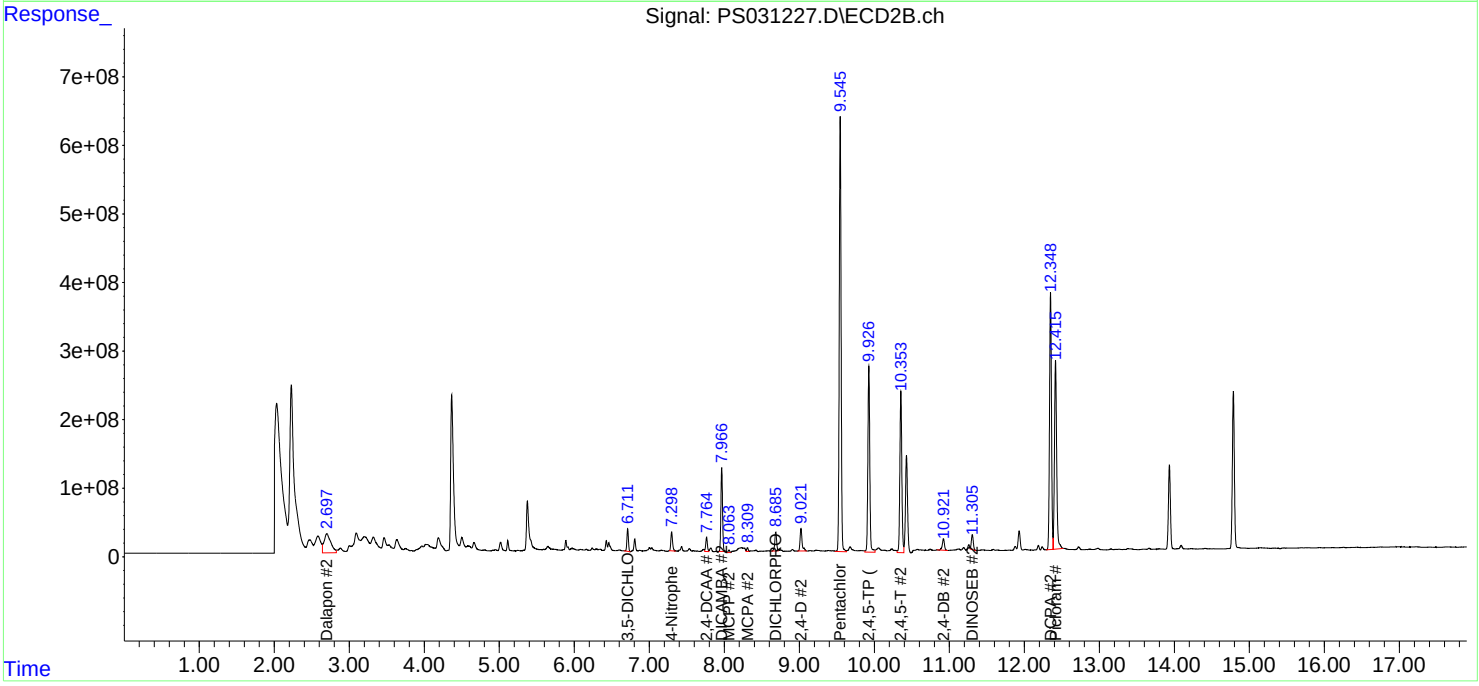
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031227.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 15:26
Operator : AR\AJ
Sample : Q2558-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

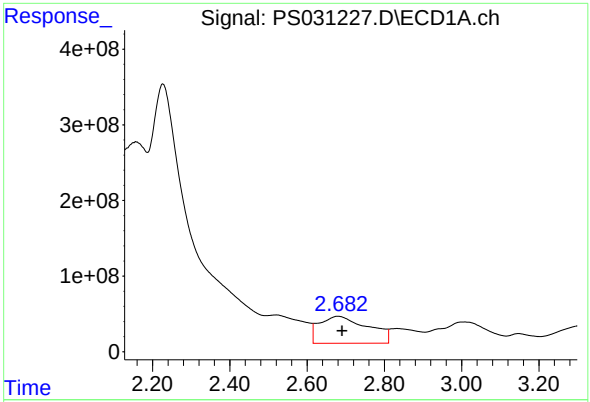
Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:06:42 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



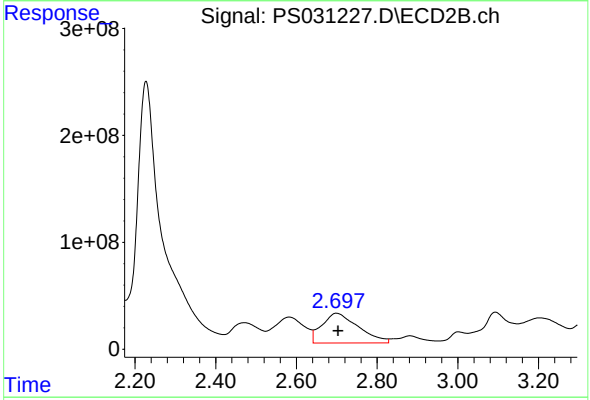




#1 Dalapon

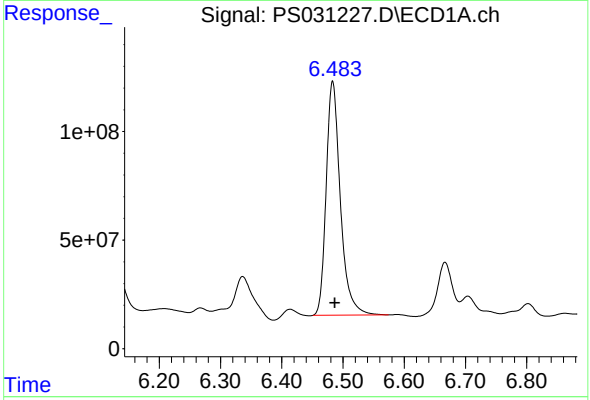
R.T.: 2.680 min
Delta R.T.: -0.010 min
Response: 3121667878
Conc: 497.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD



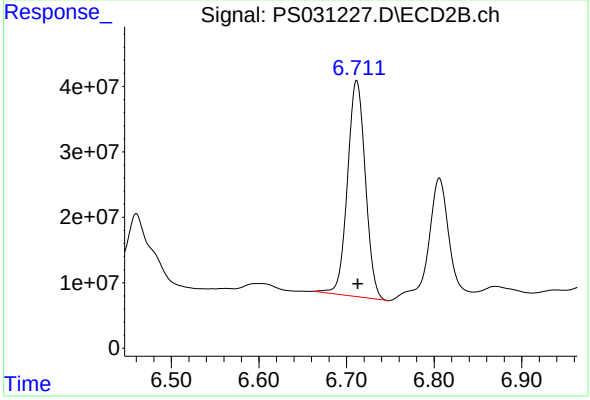
#1 Dalapon

R.T.: 2.699 min
Delta R.T.: -0.005 min
Response: 1741186353
Conc: 613.80 ng/ml



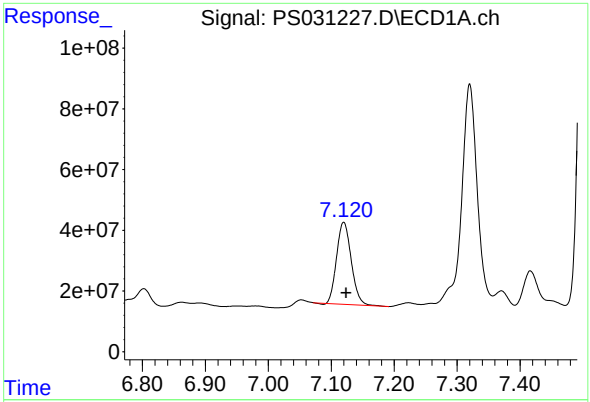
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 1734258064
Conc: 314.02 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

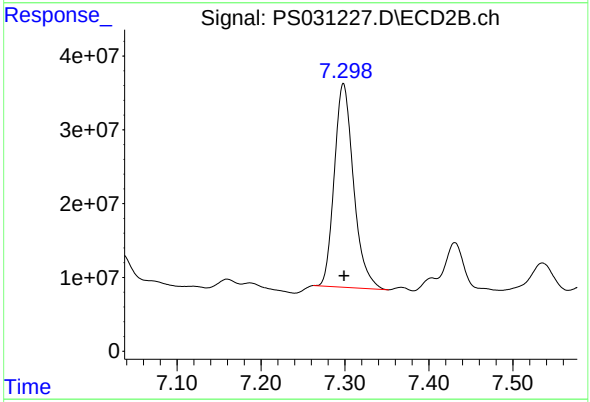
R.T.: 6.712 min
Delta R.T.: -0.001 min
Response: 468137953
Conc: 304.01 ng/ml



#3 4-Nitrophenol

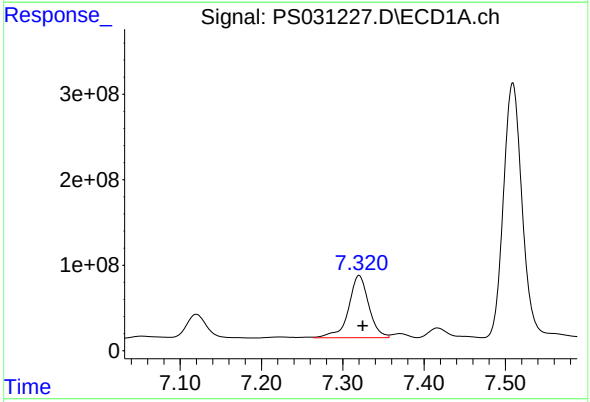
R.T.: 7.120 min
Delta R.T.: -0.004 min
Response: 438722538
Conc: 266.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD



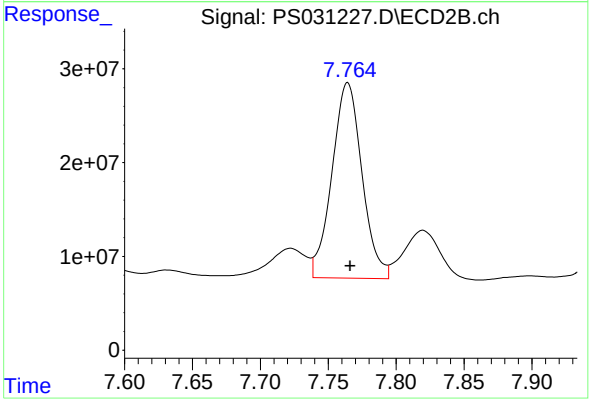
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: 0.000 min
Response: 440212444
Conc: 243.30 ng/ml



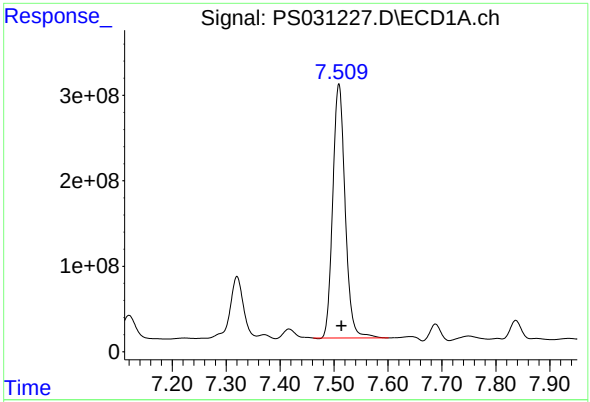
#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1262719693
Conc: 290.40 ng/ml



#4 2,4-DCAA

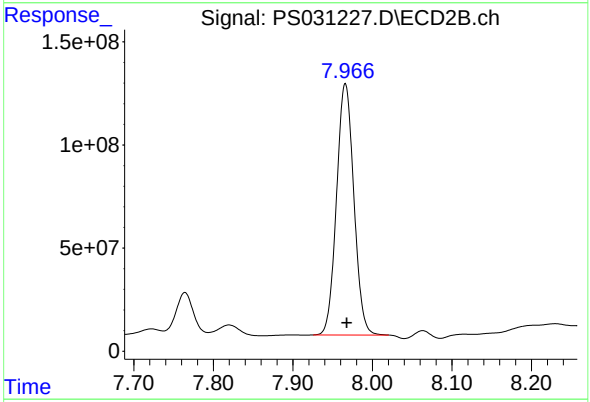
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 321010493
Conc: 316.28 ng/ml



#5 DICAMBA

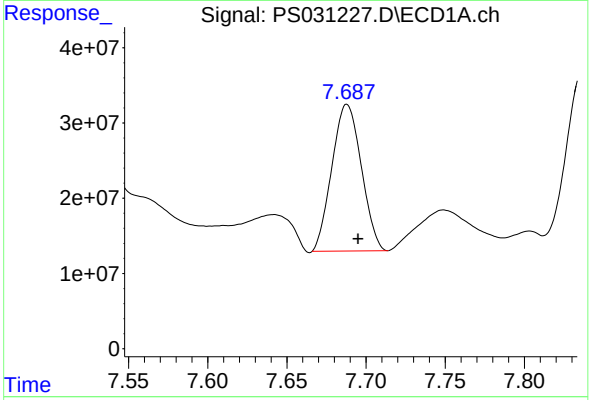
R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 4733568685
Conc: 286.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD



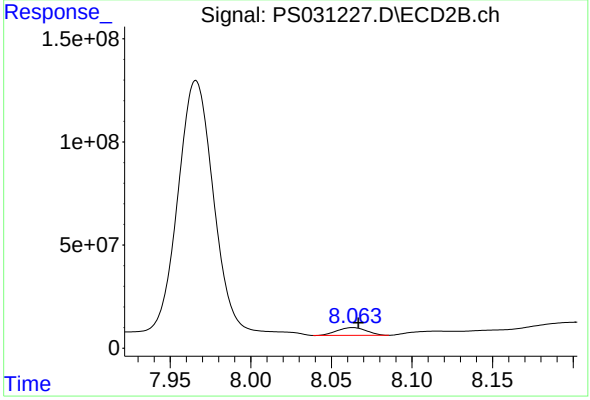
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 1846063980
Conc: 286.06 ng/ml



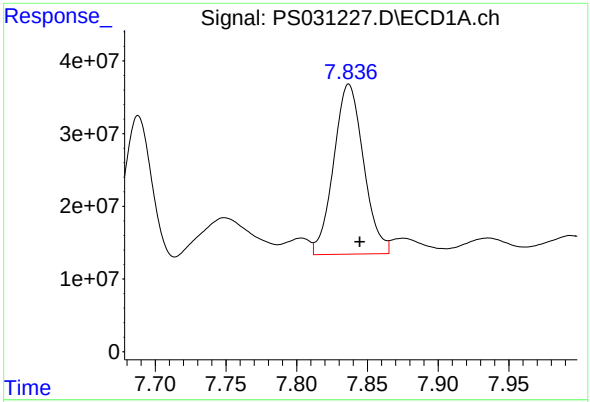
#6 MCPP

R.T.: 7.688 min
Delta R.T.: -0.007 min
Response: 252073621
Conc: 25.18 ug/ml



#6 MCPP

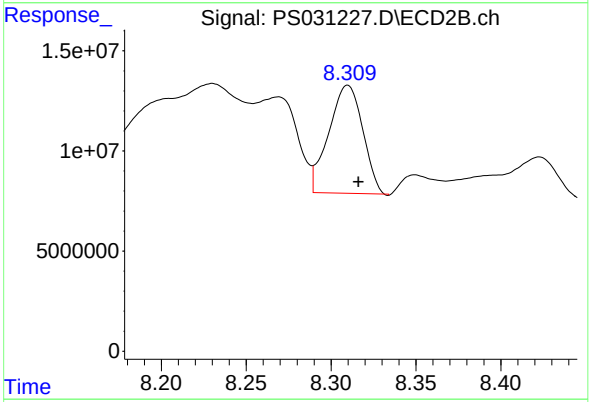
R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 48190642
Conc: 23.19 ug/ml



#7 MCPA

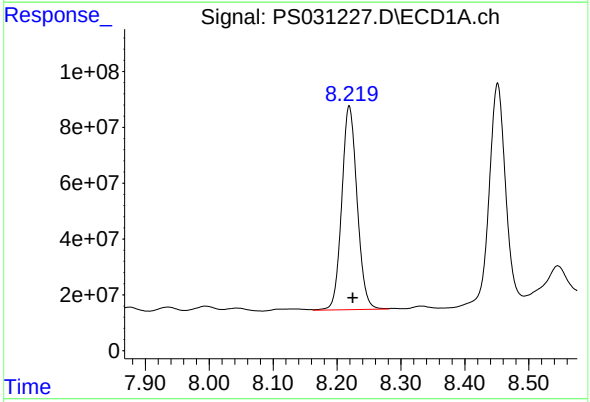
R.T.: 7.837 min
Delta R.T.: -0.008 min
Response: 344201461
Conc: 27.50 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD



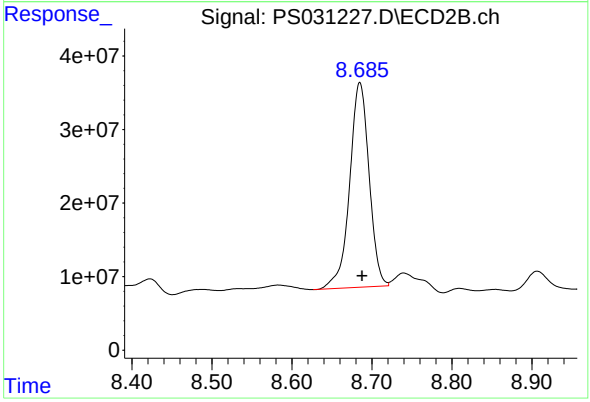
#7 MCPA

R.T.: 8.310 min
Delta R.T.: -0.007 min
Response: 75089103
Conc: 23.80 ug/ml



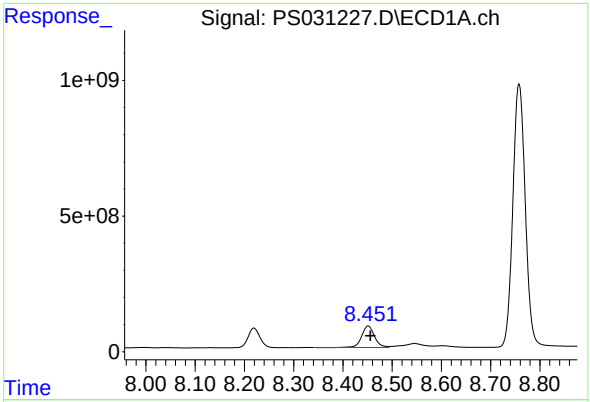
#8 DICHLORPROP

R.T.: 8.219 min
Delta R.T.: -0.005 min
Response: 1220076896
Conc: 319.23 ng/ml



#8 DICHLORPROP

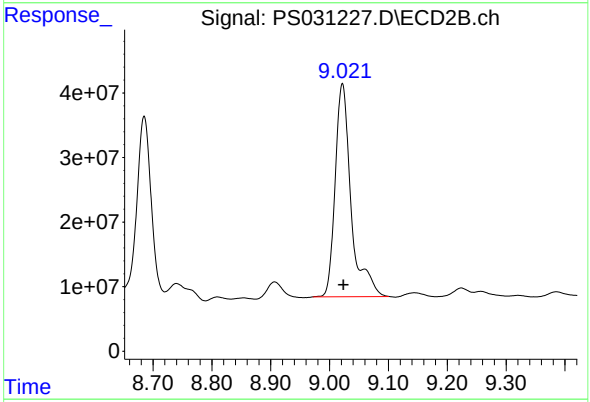
R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 470285138
Conc: 310.45 ng/ml



#9 2,4-D

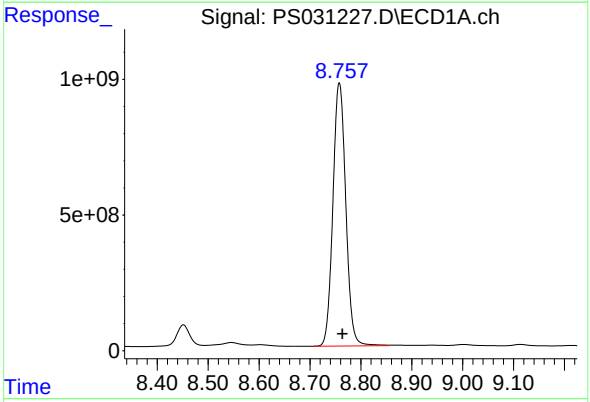
R.T.: 8.451 min
Delta R.T.: -0.005 min
Response: 1427812791
Conc: 382.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD



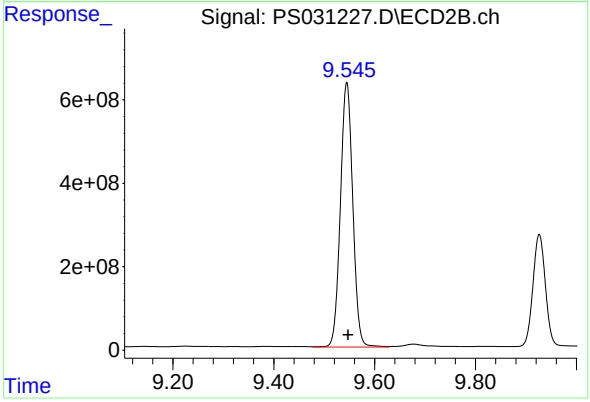
#9 2,4-D

R.T.: 9.022 min
Delta R.T.: -0.002 min
Response: 619562507
Conc: 364.81 ng/ml



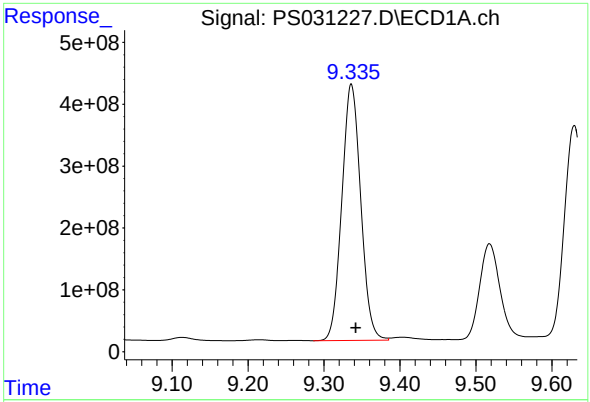
#10 Pentachlorophenol

R.T.: 8.758 min
Delta R.T.: -0.006 min
Response: 17038436484
Conc: 311.94 ng/ml



#10 Pentachlorophenol

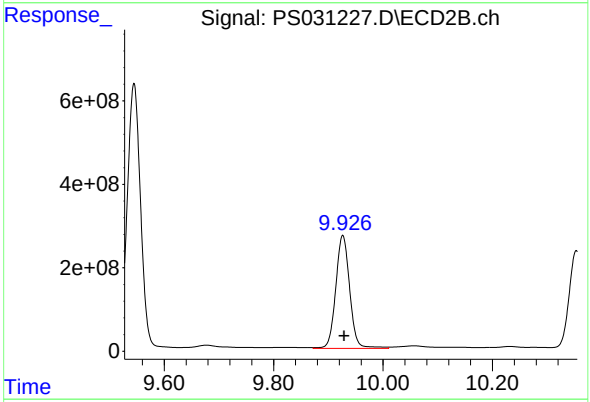
R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 10818998656
Conc: 276.83 ng/ml



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

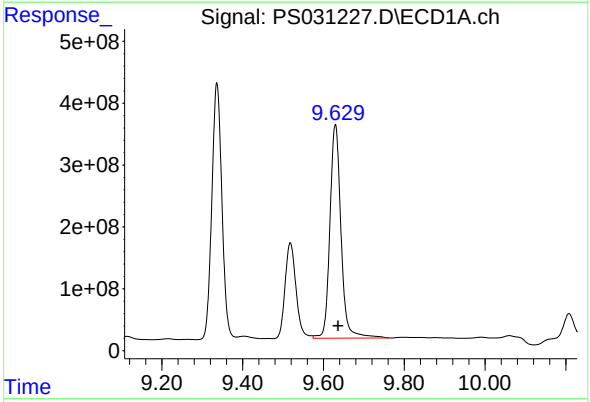
R.T.: 9.336 min
Delta R.T.: -0.006 min
Response: 7160458375
Conc: 326.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD



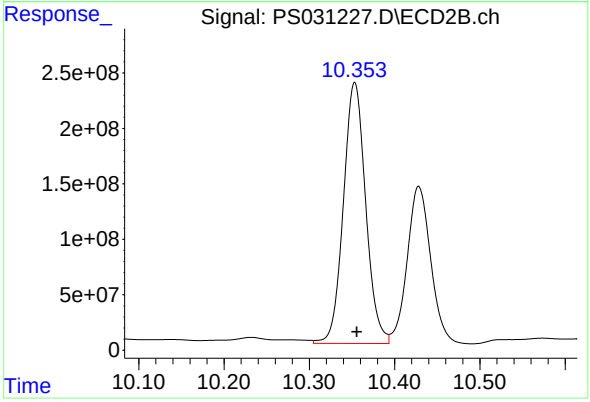
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.002 min
Response: 4794798349
Conc: 321.92 ng/ml



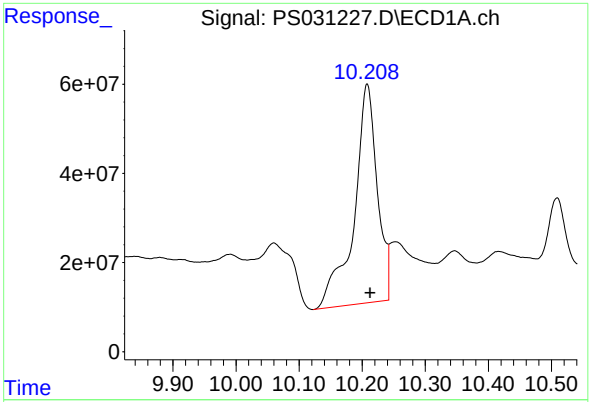
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 6590195754
Conc: 337.48 ng/ml



#12 2,4,5-T

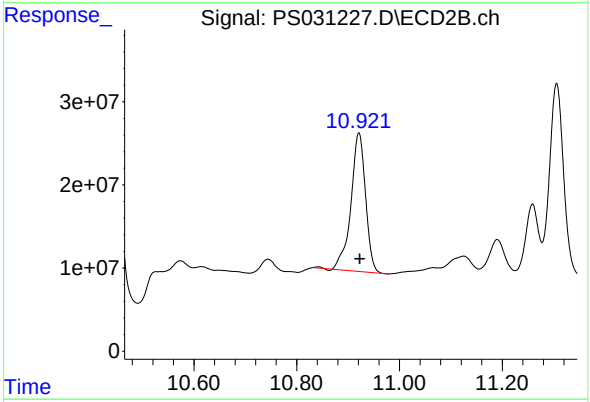
R.T.: 10.353 min
Delta R.T.: -0.002 min
Response: 4284304182
Conc: 301.30 ng/ml



#13 2,4-DB

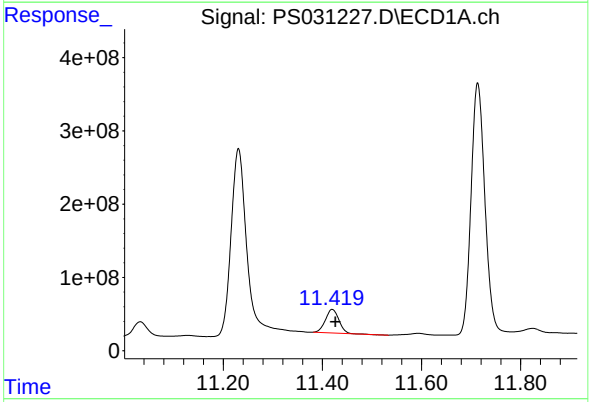
R.T.: 10.208 min
Delta R.T.: -0.005 min
Response: 1251732999
Conc: 418.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD



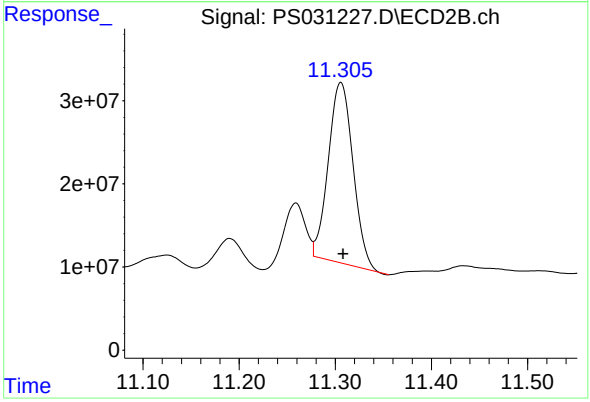
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.002 min
Response: 329254841
Conc: 281.29 ng/ml



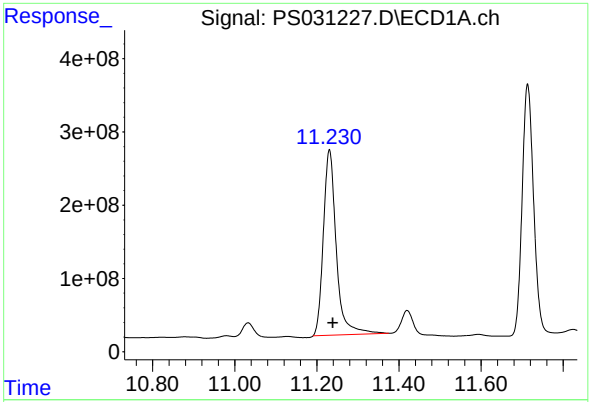
#14 DINOSEB

R.T.: 11.420 min
Delta R.T.: -0.007 min
Response: 599939121
Conc: 38.53 ng/ml



#14 DINOSEB

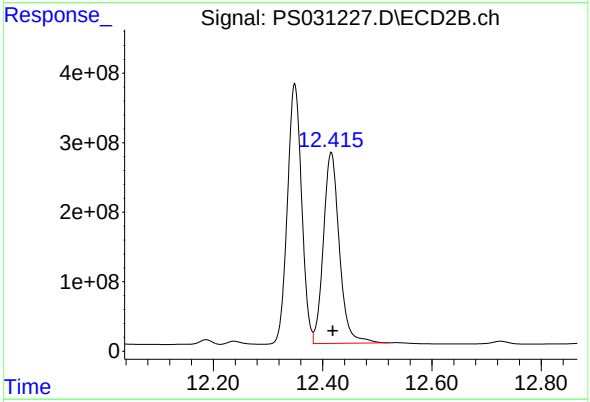
R.T.: 11.306 min
Delta R.T.: -0.002 min
Response: 388079725
Conc: 34.34 ng/ml



#15 Picloram

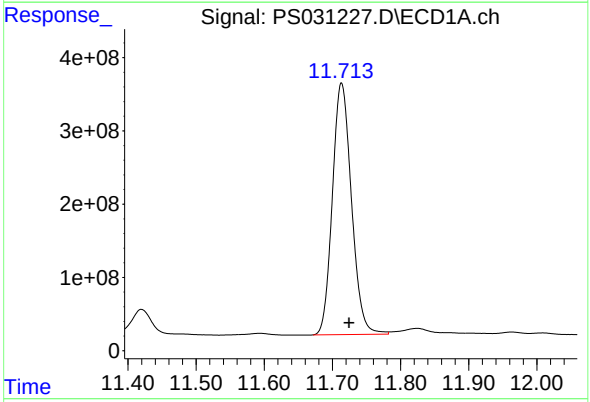
R.T.: 11.231 min
Delta R.T.: -0.008 min
Response: 5532160551
Conc: 276.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-Denali-070925MSD



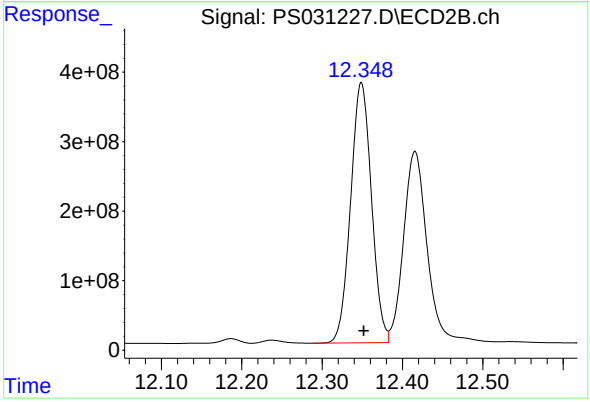
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.003 min
Response: 5569601861
Conc: 223.72 ng/ml



#16 DCPA

R.T.: 11.713 min
Delta R.T.: -0.011 min
Response: 6680276658
Conc: 232.82 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 6751428091
Conc: 293.08 ng/ml

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

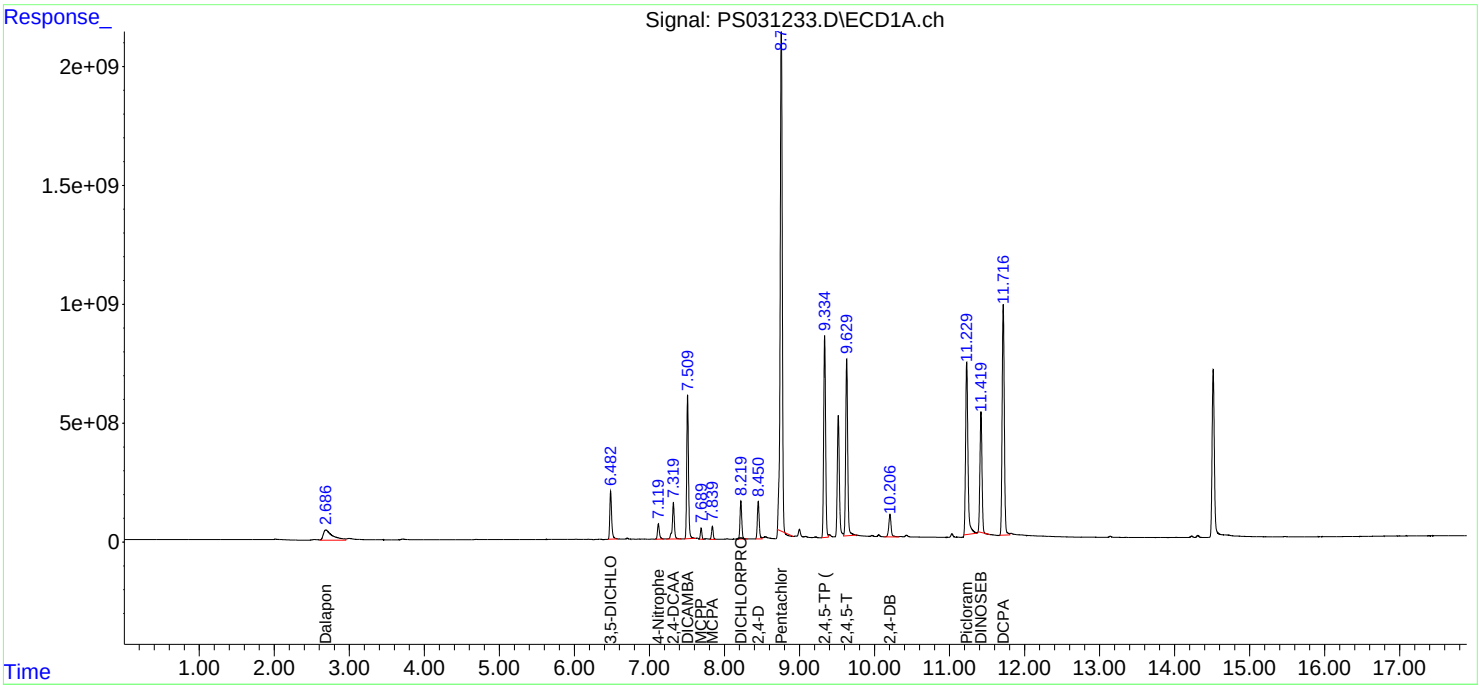
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

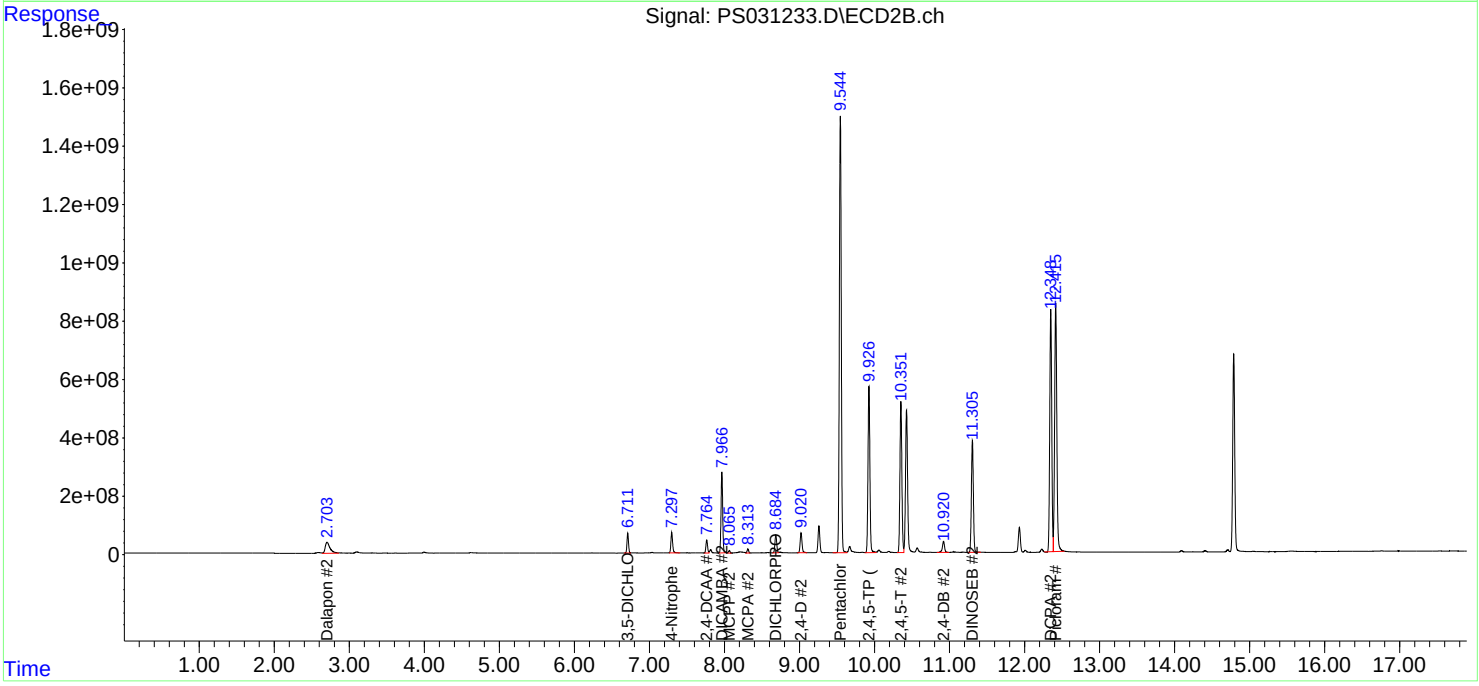
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:39
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 35 Sample Multiplier: 1

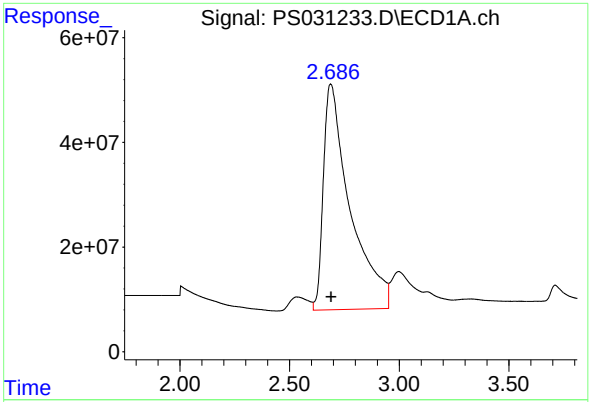
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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



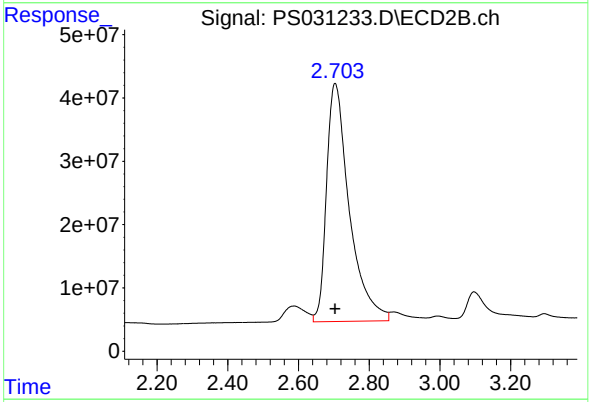




#1 Dalapon

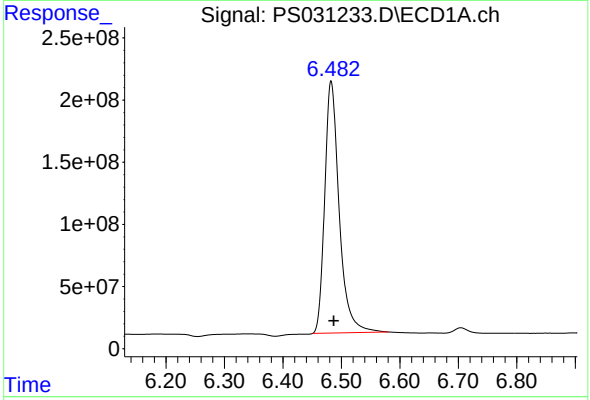
R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 3646786474
Conc: 581.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



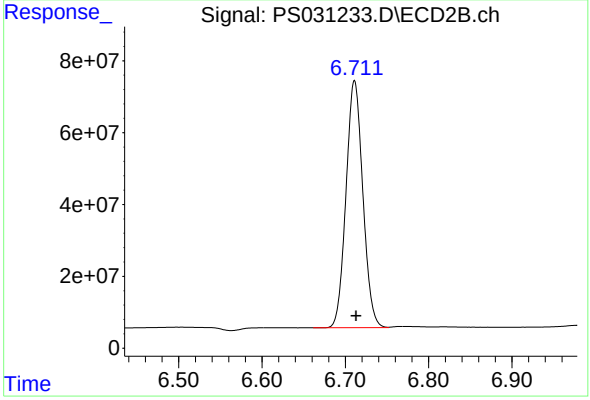
#1 Dalapon

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



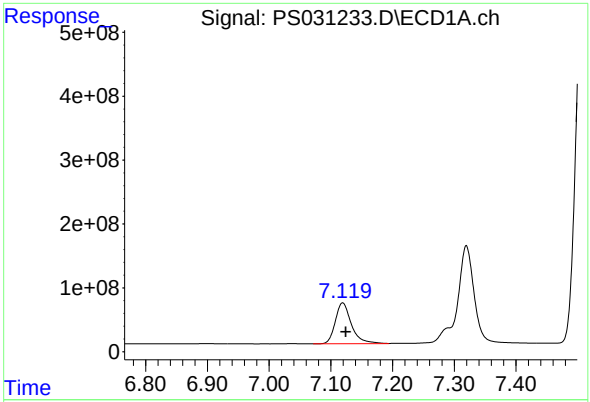
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

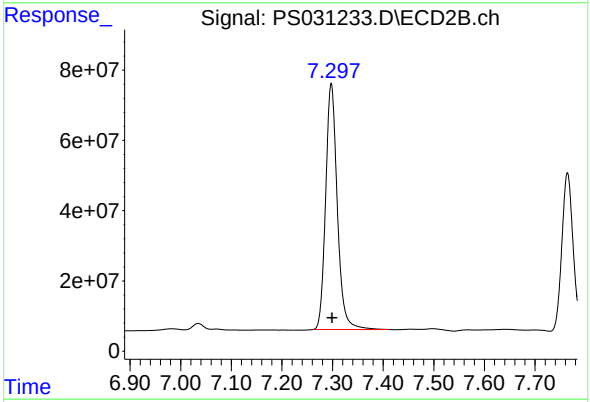
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 965457798
Conc: 626.96 ng/ml



#3 4-Nitrophenol

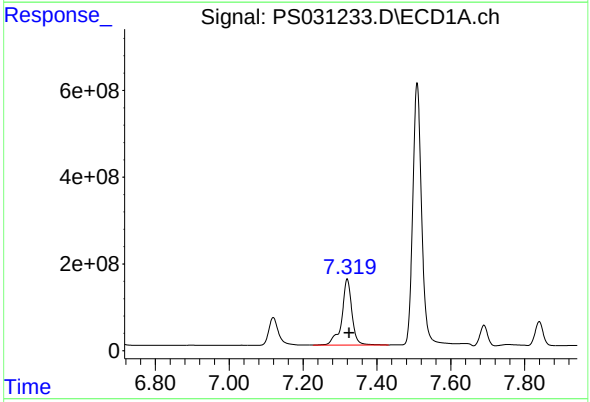
R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 1161648350
Conc: 704.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



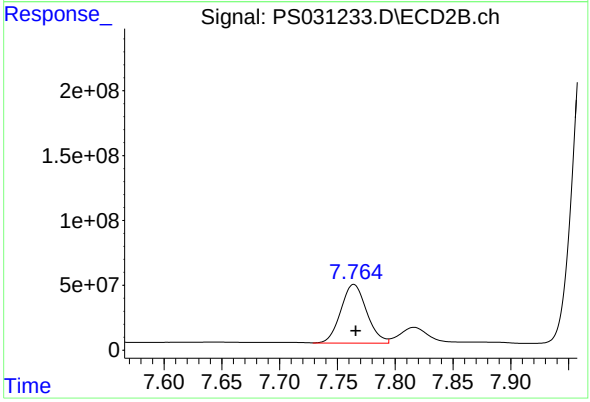
#3 4-Nitrophenol

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



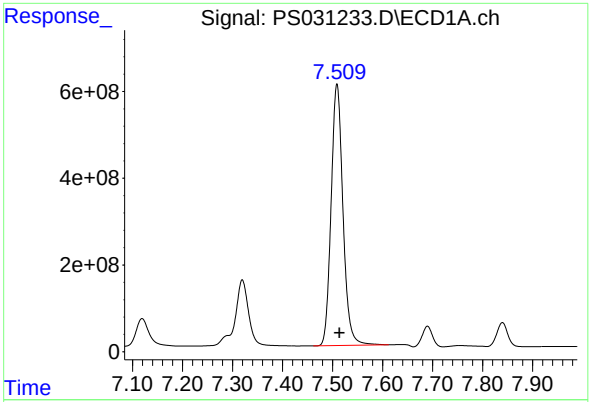
#4 2,4-DCAA

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



#4 2,4-DCAA

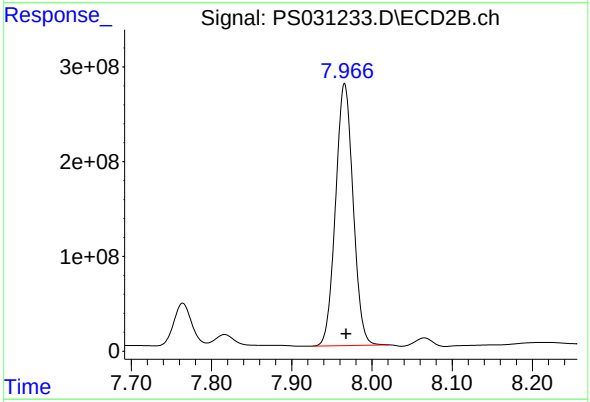
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 704155508
Conc: 693.77 ng/ml



#5 DICAMBA

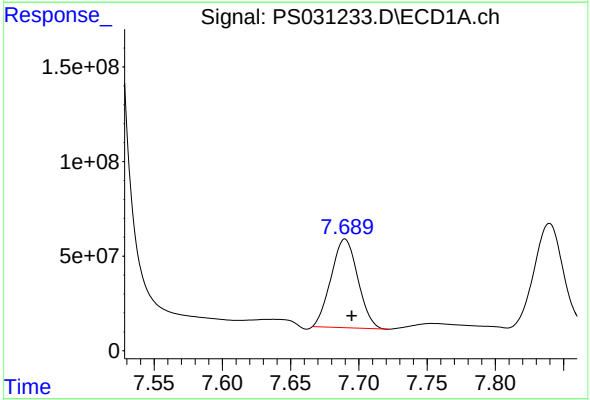
R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 9918771681
Conc: 601.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



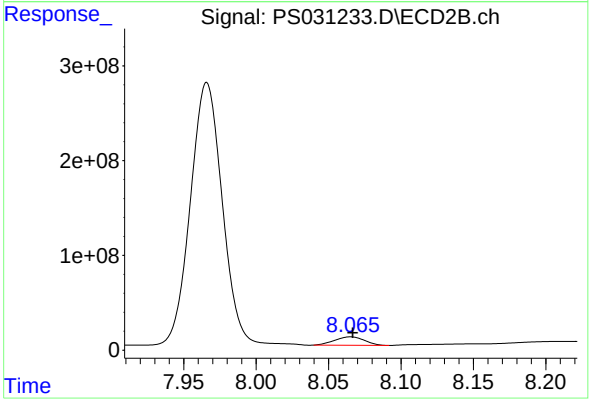
#5 DICAMBA

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



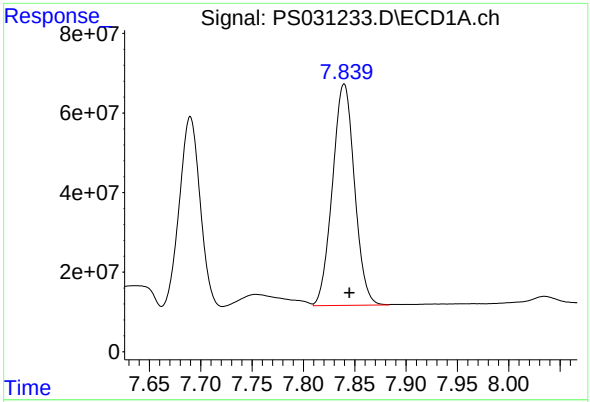
#6 MCPP

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



#6 MCPP

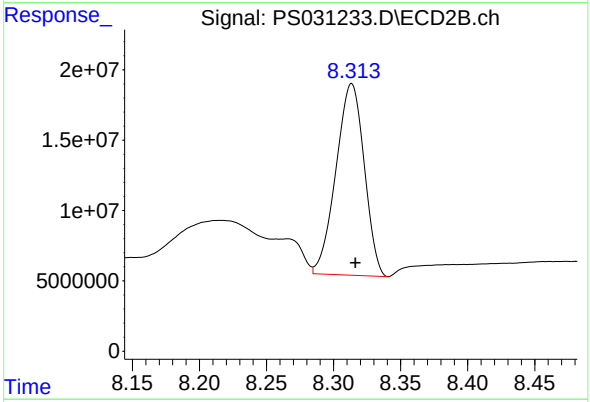
R.T.: 8.065 min
Delta R.T.: -0.001 min
Response: 127986691
Conc: 61.60 ug/ml



#7 MCPA

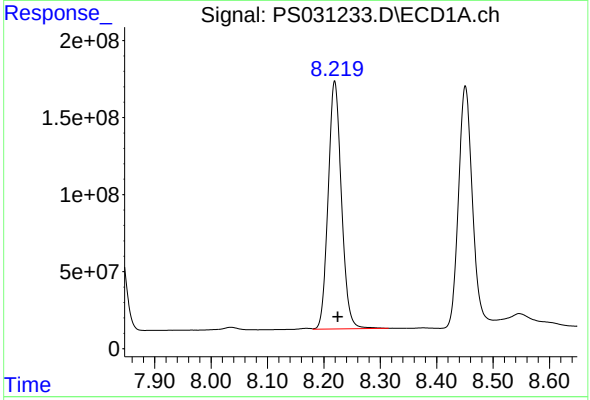
R.T.: 7.840 min
Delta R.T.: -0.005 min
Response: 831645162
Conc: 66.46 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



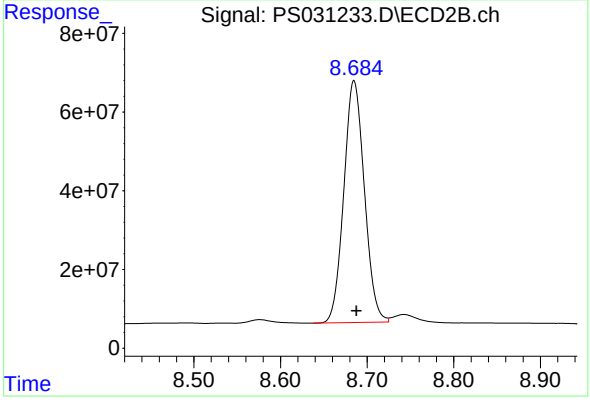
#7 MCPA

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



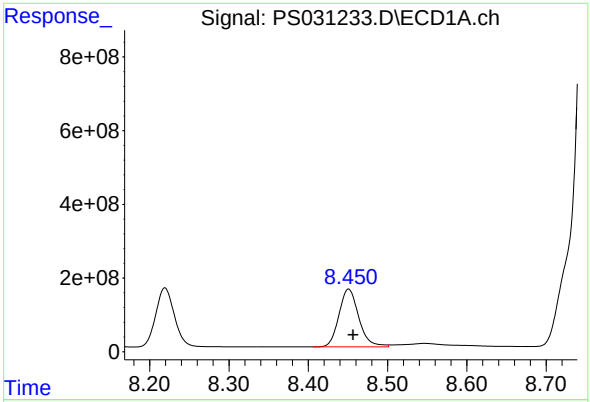
#8 DICHLORPROP

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



#8 DICHLORPROP

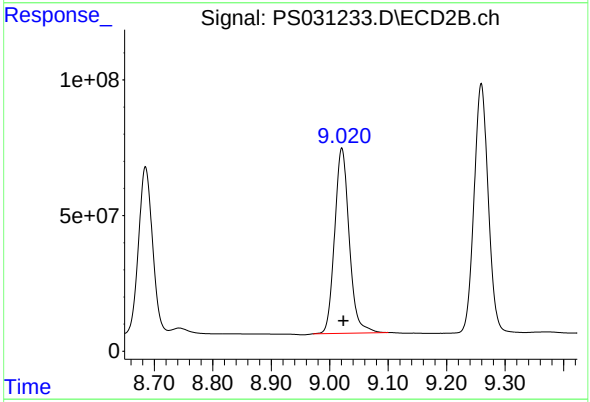
R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 1015326356
Conc: 670.24 ng/ml



#9 2,4-D

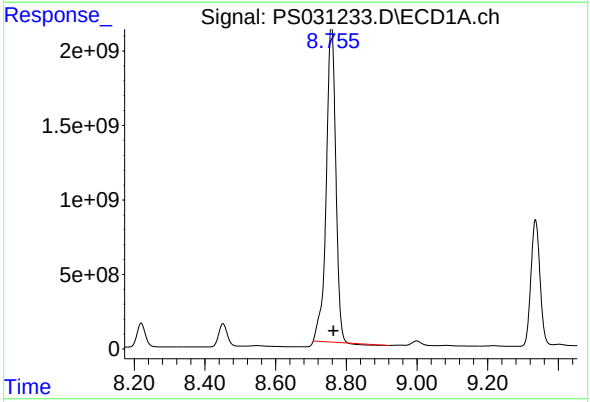
R.T.: 8.451 min
Delta R.T.: -0.006 min
Response: 2723897944
Conc: 729.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



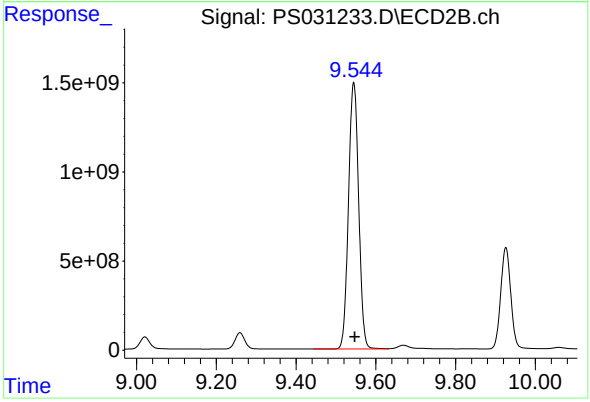
#9 2,4-D

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



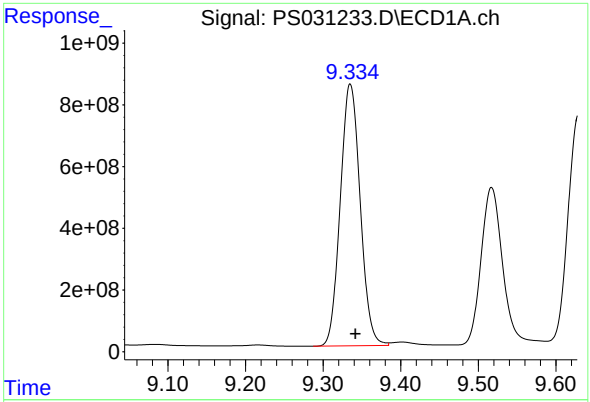
#10 Pentachlorophenol

R.T.: 8.758 min
Delta R.T.: -0.006 min
Response: 39512363181
Conc: 723.38 ng/ml



#10 Pentachlorophenol

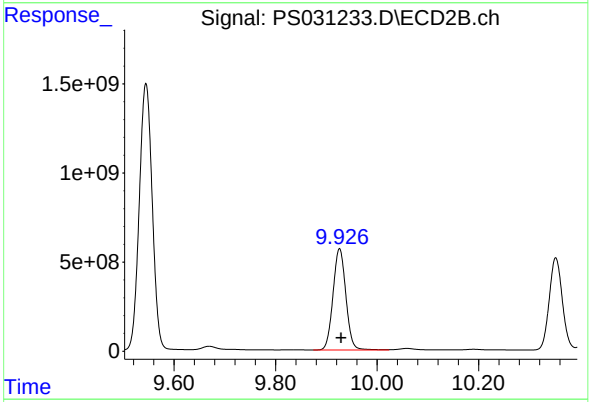
R.T.: 9.545 min
Delta R.T.: -0.003 min
Response: 26526744051
Conc: 678.76 ng/ml



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

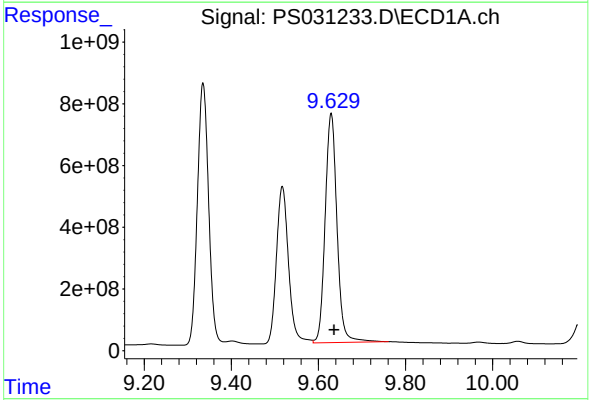
R.T.: 9.335 min
Delta R.T.: -0.007 min
Response: 15136567168
Conc: 689.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



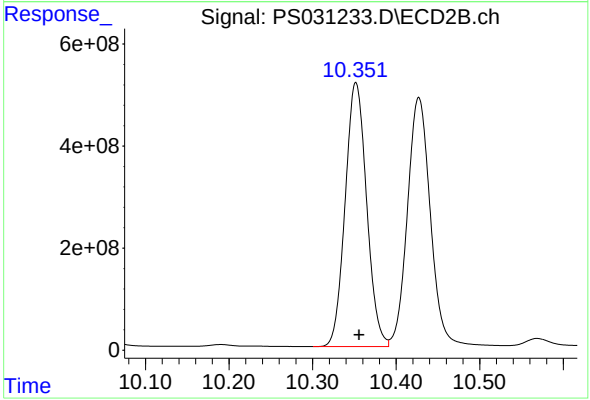
#11 2,4,5-TP (SILVEX)

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



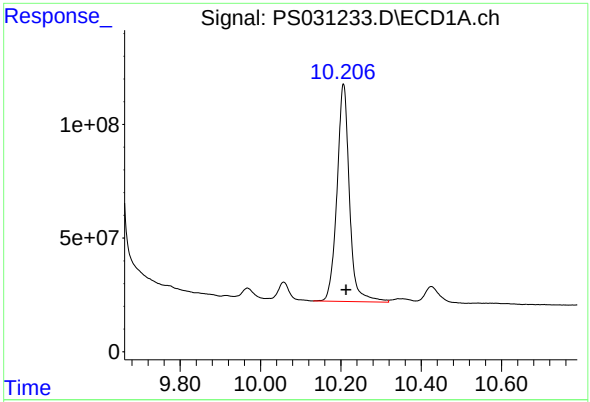
#12 2,4,5-T

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



#12 2,4,5-T

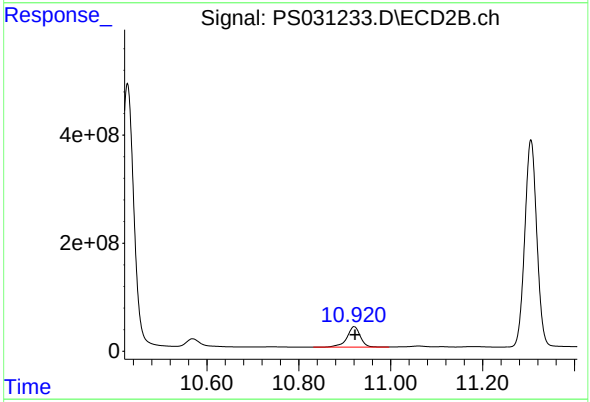
R.T.: 10.352 min
Delta R.T.: -0.004 min
Response: 9233980783
Conc: 649.39 ng/ml



#13 2,4-DB

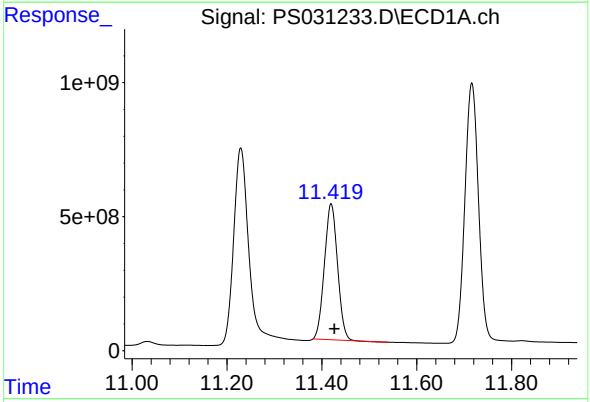
R.T.: 10.207 min
Delta R.T.: -0.006 min
Response: 2059772066
Conc: 688.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



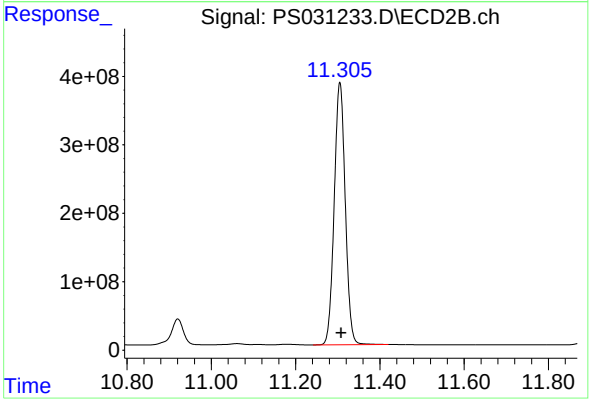
#13 2,4-DB

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



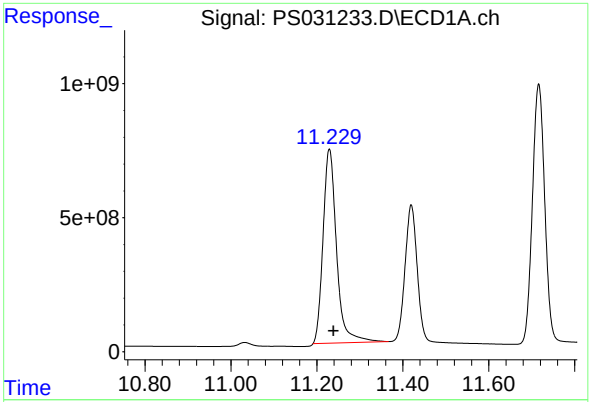
#14 DINOSEB

R.T.: 11.419 min
Delta R.T.: -0.007 min
Response: 9704009222
Conc: 623.27 ng/ml



#14 DINOSEB

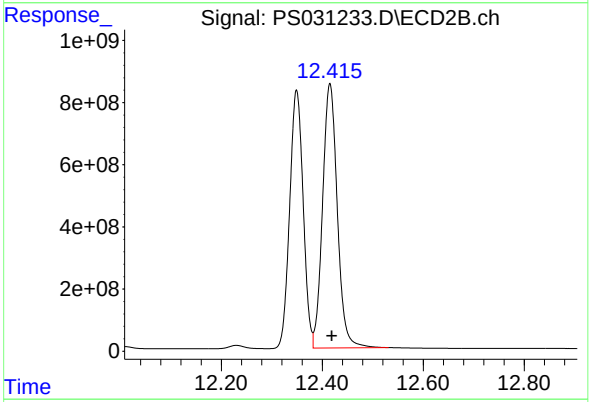
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 6972808210
Conc: 616.95 ng/ml



#15 Picloram

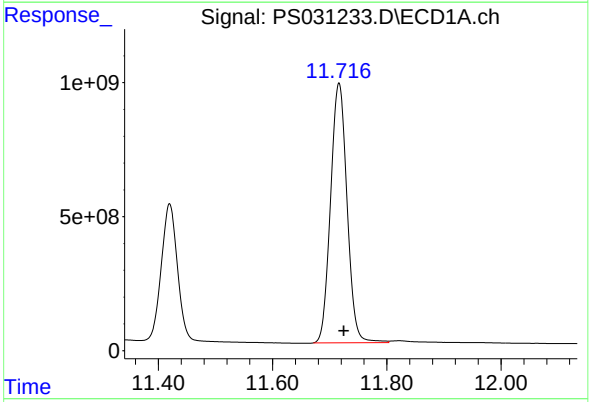
R.T.: 11.229 min
Delta R.T.: -0.010 min
Response: 15822627588
Conc: 790.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



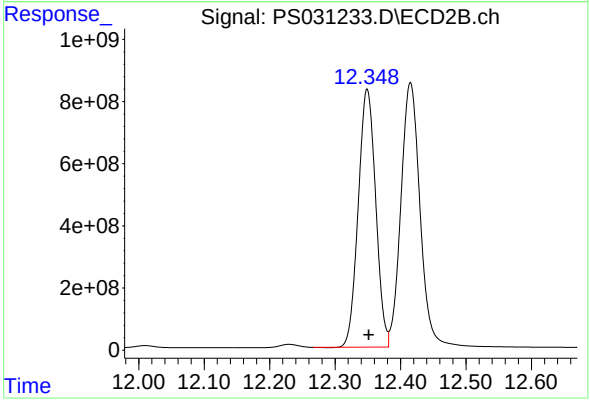
#15 Picloram

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