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Cover Page

Order ID : Q2639

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2639-01	OU4-TS-38-071725
Q2639-02	OU4-TS-38-071725
Q2639-03	OU4-TS-39-071725
Q2639-04	OU4-TS-39-071725
Q2639-05	OU4-TS-40-071725
Q2639-06	OU4-TS-40-071725
Q2639-07	OU4-TS-41-071725
Q2639-08	OU4-TS-41-071725
Q2639-09	OU4-TS-42-071725
Q2639-10	OU4-TS-42-071725
Q2639-11	OU4-TS-43-071725
Q2639-12	OU4-TS-43-071725
Q2639-13	OU4-TS-44-071725
Q2639-14	OU4-TS-44-071725

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

Signature : _____

Date: 7/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2639**

	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: **MAHESH PATEL** **Date:** **07/29/2025**

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LAB CHRONICLE

OrderID:	Q2639	**OrderDate:**	7/18/2025 10:22:00 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
Q2639-01	**OU4-TS-38-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/30/25	
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-03	**OU4-TS-39-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/30/25	
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-05	**OU4-TS-40-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/31/25	
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-07	**OU4-TS-41-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25	
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-09	**OU4-TS-42-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25	
			PCB	8082A		07/21/25	07/22/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-09RE	**OU4-TS-42-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/30/25	
			Pesticide-TCL	8081B		07/21/25	07/24/25	
Q2639-11	**OU4-TS-43-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25	
			PCB	8082A		07/21/25	07/22/25	

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LAB CHRONICLE

			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-11RE	**OU4-TS-43-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/30/25	
			Pesticide-TCL	8081B		07/21/25	07/24/25	
Q2639-13	**OU4-TS-44-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/24/25	
			PCB	8082A		07/21/25	07/22/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-13RE	**OU4-TS-44-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Herbicide Group1	8151A		07/22/25	07/30/25	
			Pesticide-TCL	8081B		07/21/25	07/24/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2639 **Order ID:** Q2639

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.: Q2639

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PS031156.D	PIBLK-PS031156.D	2,4-DCAA	1	500	397	79		32	138
		2,4-DCAA	2	500	504	101		32	138
I.BLK-PS031179.D	PIBLK-PS031179.D	2,4-DCAA	1	500	423	85		32	138
		2,4-DCAA	2	500	510	102		32	138
PB168945BL	PB168945BL	2,4-DCAA	1	500	392	78		27	122
		2,4-DCAA	2	500	460	92		27	122
PB168945BS	PB168945BS	2,4-DCAA	1	500	529	106		27	122
		2,4-DCAA	2	500	507	101		27	122
I.BLK-PS031191.D	PIBLK-PS031191.D	2,4-DCAA	1	500	429	86		32	138
		2,4-DCAA	2	500	518	104		32	138
I.BLK-PS031209.D	PIBLK-PS031209.D	2,4-DCAA	1	500	435	87		32	138
		2,4-DCAA	2	500	523	105		32	138
Q2639-07	OU4-TS-41-071725	2,4-DCAA	1	500	135	27		27	122
		2,4-DCAA	2	500	142	28		27	122
Q2639-09	OU4-TS-42-071725	2,4-DCAA	1	500	65.1	13	*	27	122
		2,4-DCAA	2	500	141	28		27	122
Q2639-11	OU4-TS-43-071725	2,4-DCAA	1	500	62.7	13	*	27	122
		2,4-DCAA	2	500	133	27		27	122
Q2639-13	OU4-TS-44-071725	2,4-DCAA	1	500	85.7	17	*	27	122
		2,4-DCAA	2	500	158	32		27	122
I.BLK-PS031218.D	PIBLK-PS031218.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
Q2638-11MS	OU4-TS-36-071725MS	2,4-DCAA	1	500	287	57		27	122
		2,4-DCAA	2	500	312	62		27	122
Q2638-11MSD	OU4-TS-36-071725MSD	2,4-DCAA	1	500	272	54		27	122
		2,4-DCAA	2	500	289	58		27	122
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
I.BLK-PS031274.D	PIBLK-PS031274.D	2,4-DCAA	1	500	404	81		32	138
		2,4-DCAA	2	500	491	98		32	138
I.BLK-PS031320.D	PIBLK-PS031320.D	2,4-DCAA	1	500	424	85		32	138
		2,4-DCAA	2	500	473	95		32	138
Q2639-01	OU4-TS-38-071725	2,4-DCAA	1	500	153	31		27	122
		2,4-DCAA	2	500	164	33		27	122
Q2639-03	OU4-TS-39-071725	2,4-DCAA	1	500	188	38		27	122
		2,4-DCAA	2	500	146	29		27	122
Q2639-09RE	OU4-TS-42-071725RE	2,4-DCAA	1	500	110	22	*	27	122
		2,4-DCAA	2	500	176	35		27	122
Q2639-11RE	OU4-TS-43-071725RE	2,4-DCAA	1	500	109	22	*	27	122

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Surrogate Summary

SDG No.: Q2639

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2639-11RE	OU4-TS-43-071725RE	2,4-DCAA	2	500	148	30		27	122
Q2639-13RE	OU4-TS-44-071725RE	2,4-DCAA	1	500	101	20	*	27	122
		2,4-DCAA	2	500	138	28		27	122
I.BLK-PS031329.D	PIBLK-PS031329.D	2,4-DCAA	1	500	472	94		32	138
		2,4-DCAA	2	500	508	102		32	138
I.BLK-PS031332.D	PIBLK-PS031332.D	2,4-DCAA	1	500	481	96		32	138
		2,4-DCAA	2	500	519	104		32	138
Q2639-05	OU4-TS-40-071725	2,4-DCAA	1	500	223	45		27	122
		2,4-DCAA	2	500	234	47		27	122
I.BLK-PS031335.D	PIBLK-PS031335.D	2,4-DCAA	1	500	478	96		32	138
		2,4-DCAA	2	500	517	103		32	138

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2639 **Analytical Method:** 8151A

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

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

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2639 **Analytical Method:** 8151A

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

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

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2639 **Analytical Method:** 8151A

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

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

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168945BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2639

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

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

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

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

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

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168945BS	PB168945BS	PS031182.D	07/23/2025	07/23/2025
OU4-TS-41-071725	Q2639-07	PS031214.D	07/24/2025	07/24/2025
OU4-TS-42-071725	Q2639-09	PS031215.D	07/24/2025	07/24/2025
OU4-TS-43-071725	Q2639-11	PS031216.D	07/24/2025	07/24/2025
OU4-TS-44-071725	Q2639-13	PS031217.D	07/24/2025	07/24/2025
OU4-TS-36-071725MS	Q2638-11MS	PS031224.D	07/24/2025	07/24/2025
OU4-TS-36-071725MSD	Q2638-11MSD	PS031225.D	07/24/2025	07/24/2025
OU4-TS-38-071725	Q2639-01	PS031323.D	07/30/2025	07/30/2025
OU4-TS-39-071725	Q2639-03	PS031324.D	07/30/2025	07/30/2025
OU4-TS-40-071725	Q2639-05	PS031334.D	07/31/2025	07/31/2025

COMMENTS:



SAMPLE DATA

Raw Data: **PS031323.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-38-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	80.6 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
PS031323.D	1	07/22/25 09:05	07/30/25 17:15	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.041	U	0.0096	0.041	0.083	mg/Kg
75-99-0	DALAPON	0.062	U	0.022	0.062	0.083	mg/Kg
120-36-5	DICHLORPROP	0.041	U	0.016	0.041	0.083	mg/Kg
94-75-7	2,4-D	0.041	U	0.011	0.041	0.083	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.041	U	0.011	0.041	0.083	mg/Kg
93-76-5	2,4,5-T	0.041	U	0.011	0.041	0.083	mg/Kg
94-82-6	2,4-DB	0.041	U	0.030	0.041	0.083	mg/Kg
88-85-7	DINOSEB	0.041	U	0.013	0.041	0.083	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	164		27 - 122		33%	SPK: 500

Comments:

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

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

Sample Results: **PS031323.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 17:15
Operator : AR\AJ
Sample : Q2639-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-38-071725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:11:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.309	7.761	447.2E6	137.2E6	153.494m	164.278
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 17:15
Operator : AR\AJ
Sample : Q2639-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

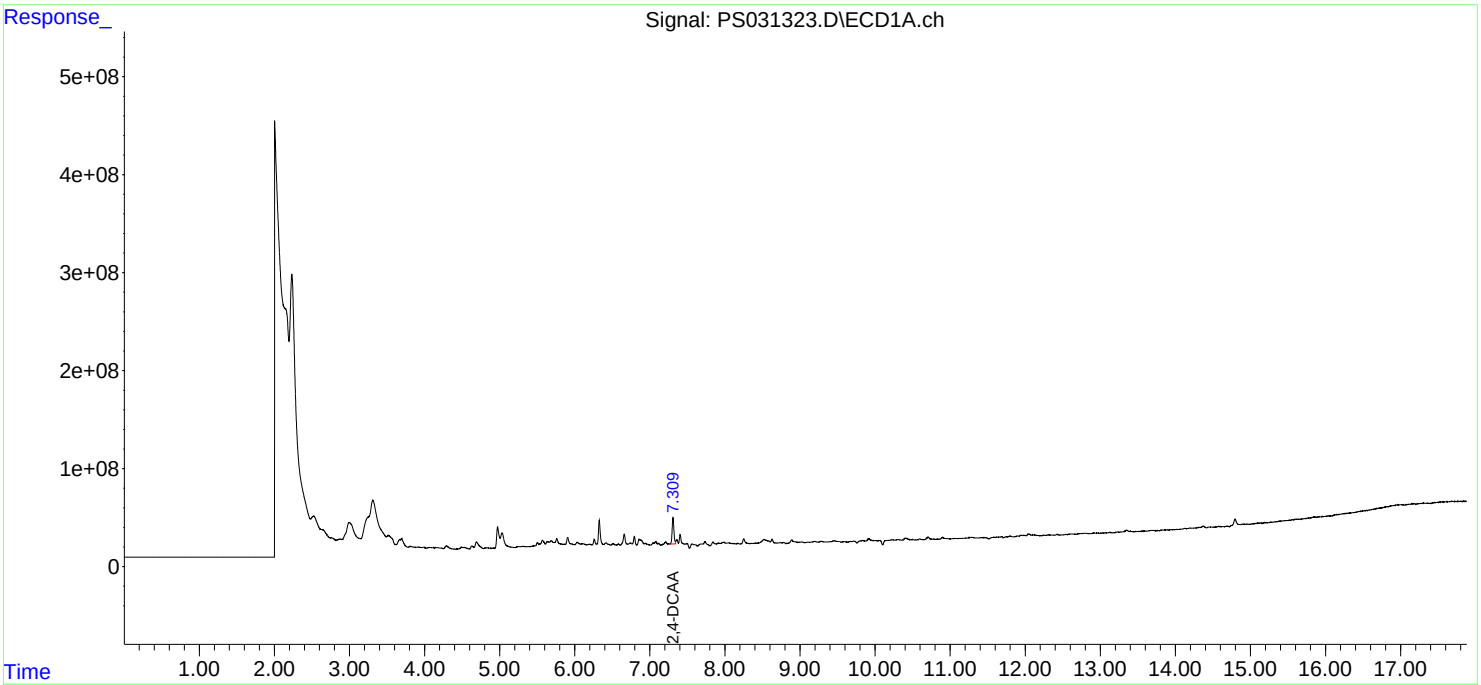
Instrument :
ECD_S
ClientSampleId :
OU4-TS-38-071725

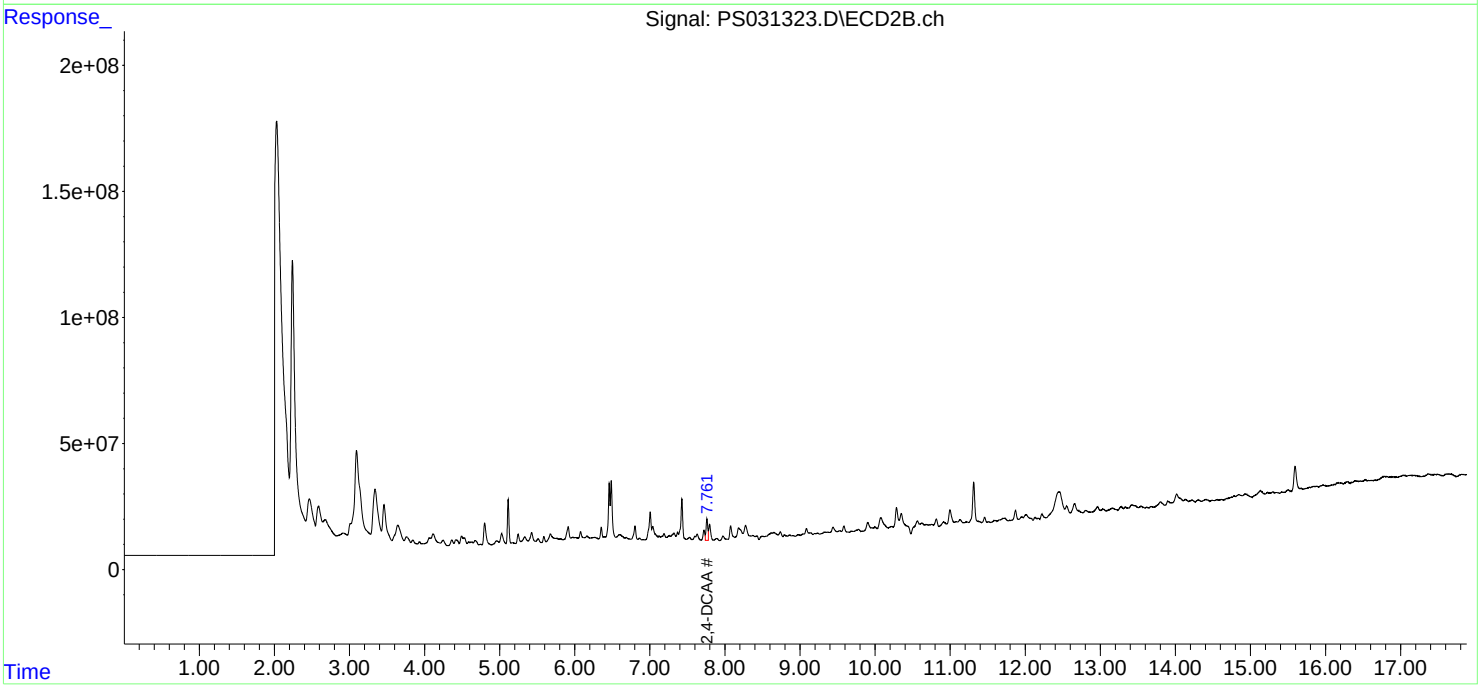
Manual Integrations APPROVED

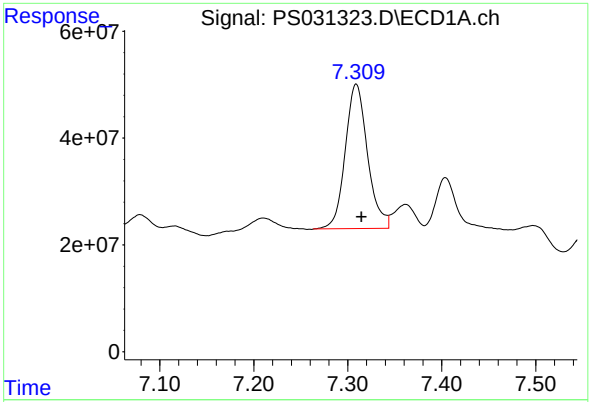
Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:11:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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







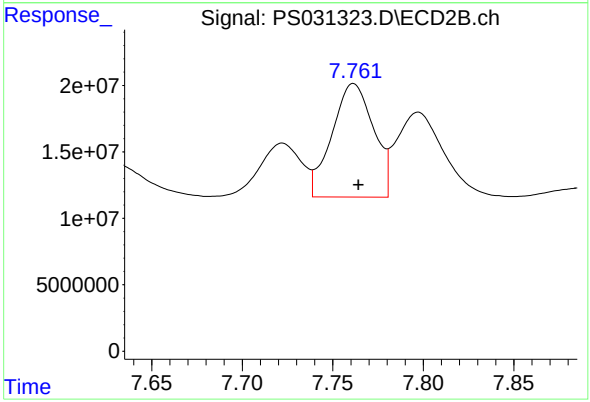
#4 2,4-DCAA

R.T.: 7.309 min
Delta R.T.: -0.006 min
Response: 447190395
Conc: 153.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-38-071725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#4 2,4-DCAA

R.T.: 7.761 min
Delta R.T.: -0.003 min
Response: 137185452
Conc: 164.28 ng/ml

Raw Data: **PS031324.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-39-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031324.D	1	07/22/25 09:05	07/30/25 17:39	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.041	U	0.0096	0.041	0.083	mg/Kg
75-99-0	DALAPON	0.062	U	0.022	0.062	0.083	mg/Kg
120-36-5	DICHLORPROP	0.041	U	0.016	0.041	0.083	mg/Kg
94-75-7	2,4-D	0.041	U	0.011	0.041	0.083	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.041	U	0.011	0.041	0.083	mg/Kg
93-76-5	2,4,5-T	0.041	U	0.011	0.041	0.083	mg/Kg
94-82-6	2,4-DB	0.041	U	0.030	0.041	0.083	mg/Kg
88-85-7	DINOSEB	0.041	U	0.013	0.041	0.083	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	188		27 - 122		38%	SPK: 500

Comments:

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

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

Sample Results: **PS031324.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 17:39
Operator : AR\AJ
Sample : Q2639-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-39-071725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:11:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.309	7.760	549.1E6	122.1E6	188.486m	146.192m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 17:39
Operator : AR\AJ
Sample : Q2639-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

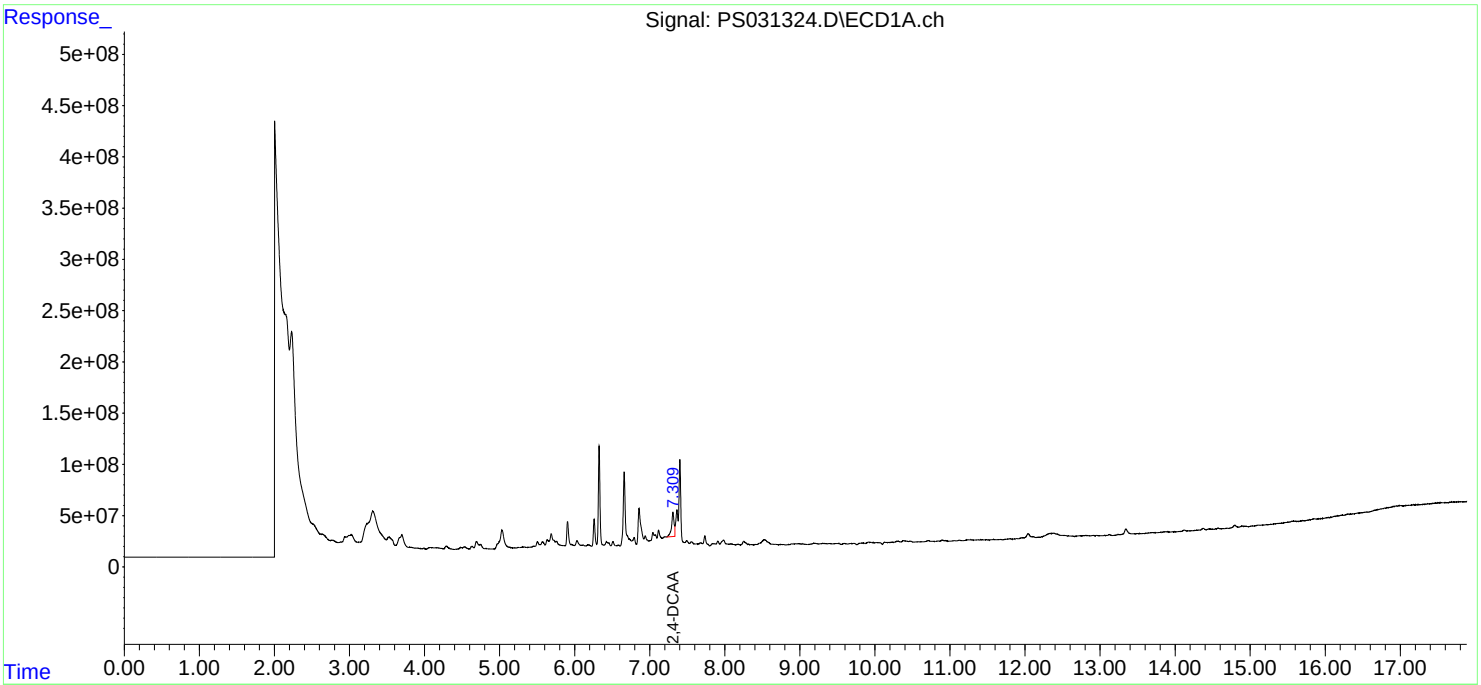
Instrument :
ECD_S
ClientSampleId :
OU4-TS-39-071725

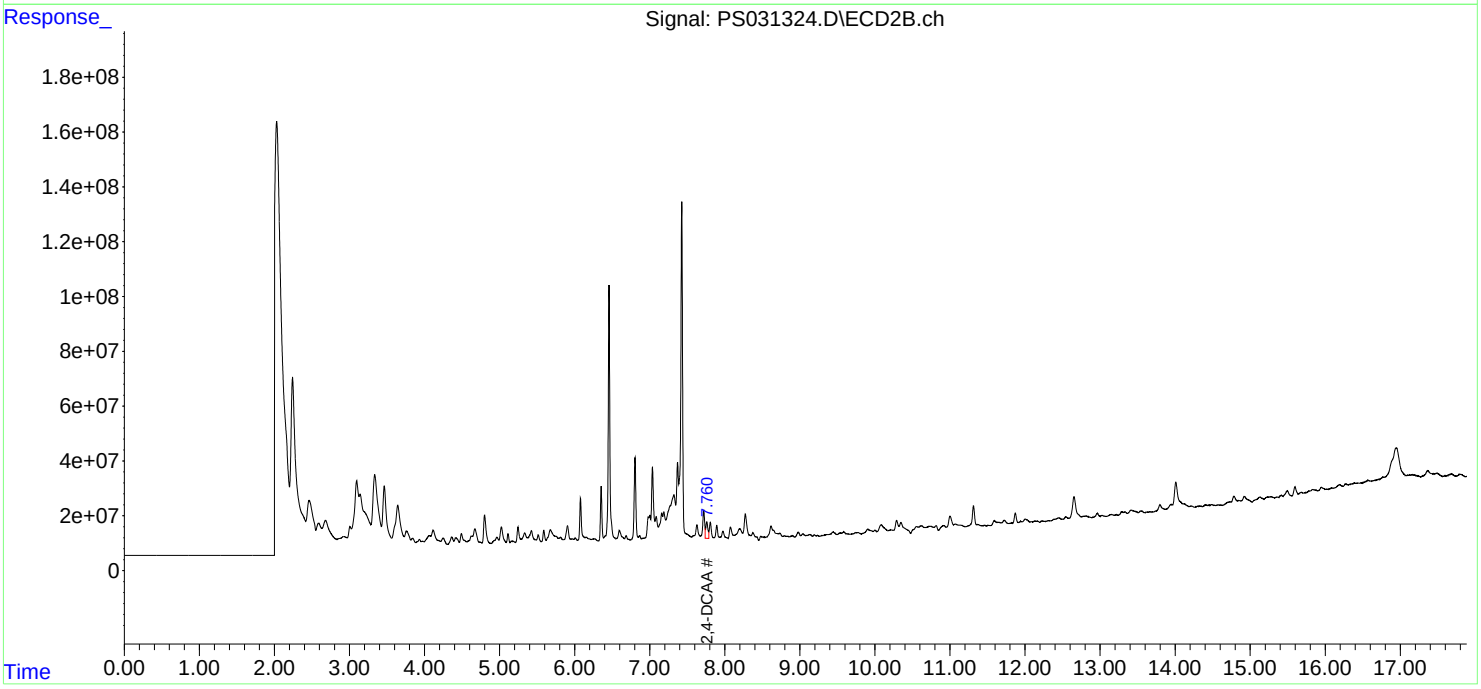
Manual Integrations APPROVED

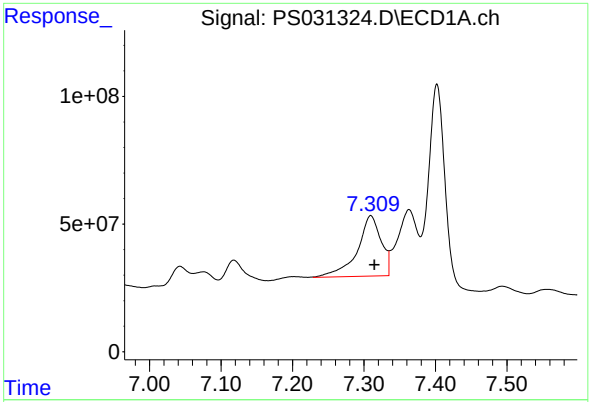
Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:11:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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







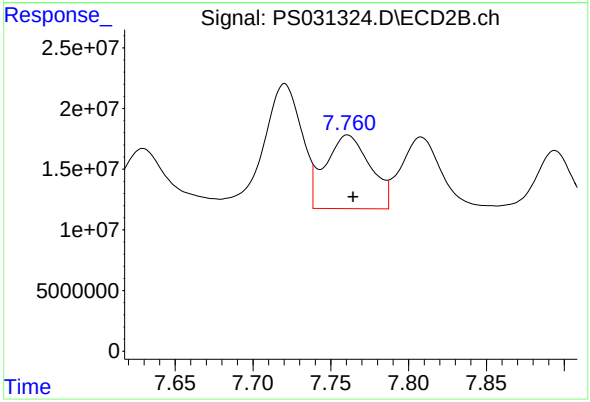
#4 2,4-DCAA

R.T.: 7.309 min
Delta R.T.: -0.006 min
Response: 549136862
Conc: 188.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-39-071725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#4 2,4-DCAA

R.T.: 7.760 min
Delta R.T.: -0.004 min
Response: 122082196
Conc: 146.19 ng/ml m

Raw Data: **PS031334.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-40-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	80.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031334.D	1	07/22/25 09:05	07/31/25 11:12	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.041	U	0.0096	0.041	0.083	mg/Kg
75-99-0	DALAPON	0.062	U	0.022	0.062	0.083	mg/Kg
120-36-5	DICHLORPROP	0.041	U	0.016	0.041	0.083	mg/Kg
94-75-7	2,4-D	0.041	U	0.011	0.041	0.083	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.041	U	0.011	0.041	0.083	mg/Kg
93-76-5	2,4,5-T	0.041	U	0.011	0.041	0.083	mg/Kg
94-82-6	2,4-DB	0.041	U	0.030	0.041	0.083	mg/Kg
88-85-7	DINOSEB	0.041	U	0.013	0.041	0.083	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	234		27 - 122		47%	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\PS073125\
Data File : PS031334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:12
Operator : AR\AJ
Sample : Q2639-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:32:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.307	7.759	651.1E6	195.2E6	223.470m	233.717
	Target Compounds						

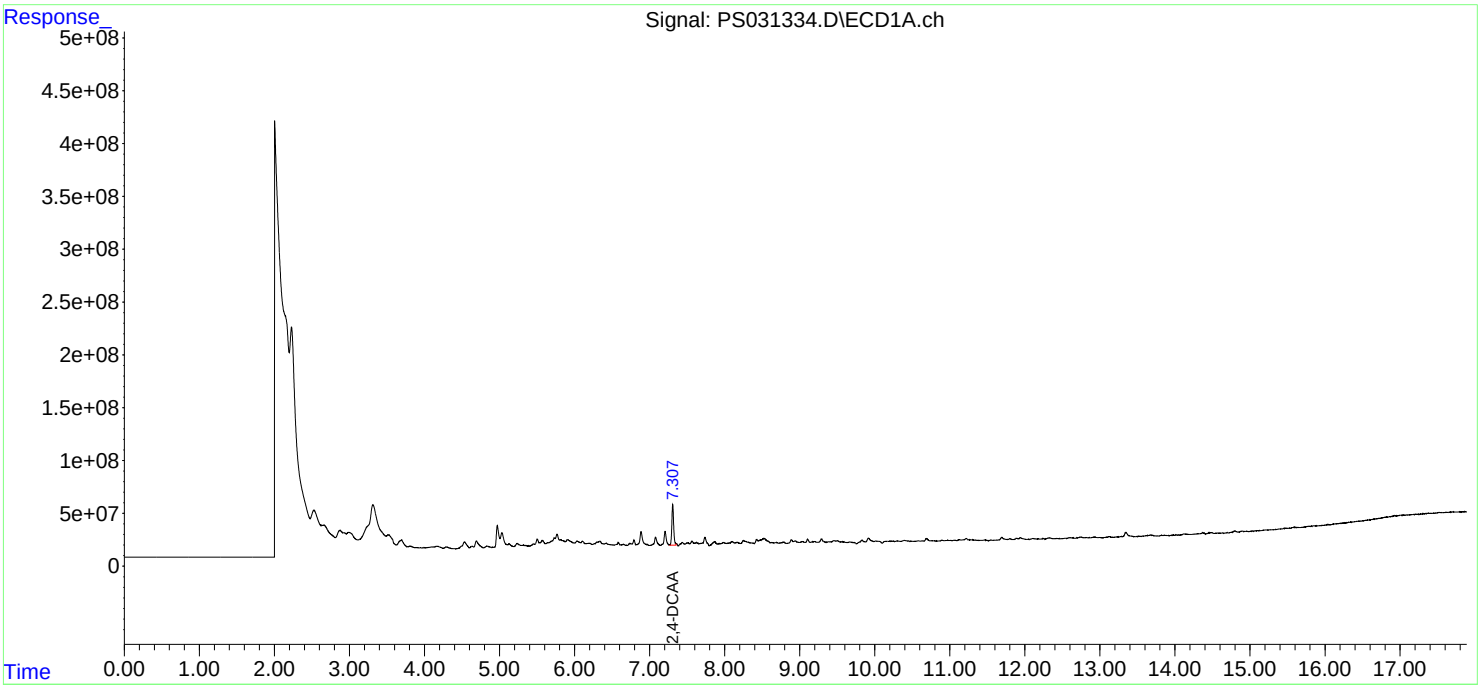
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

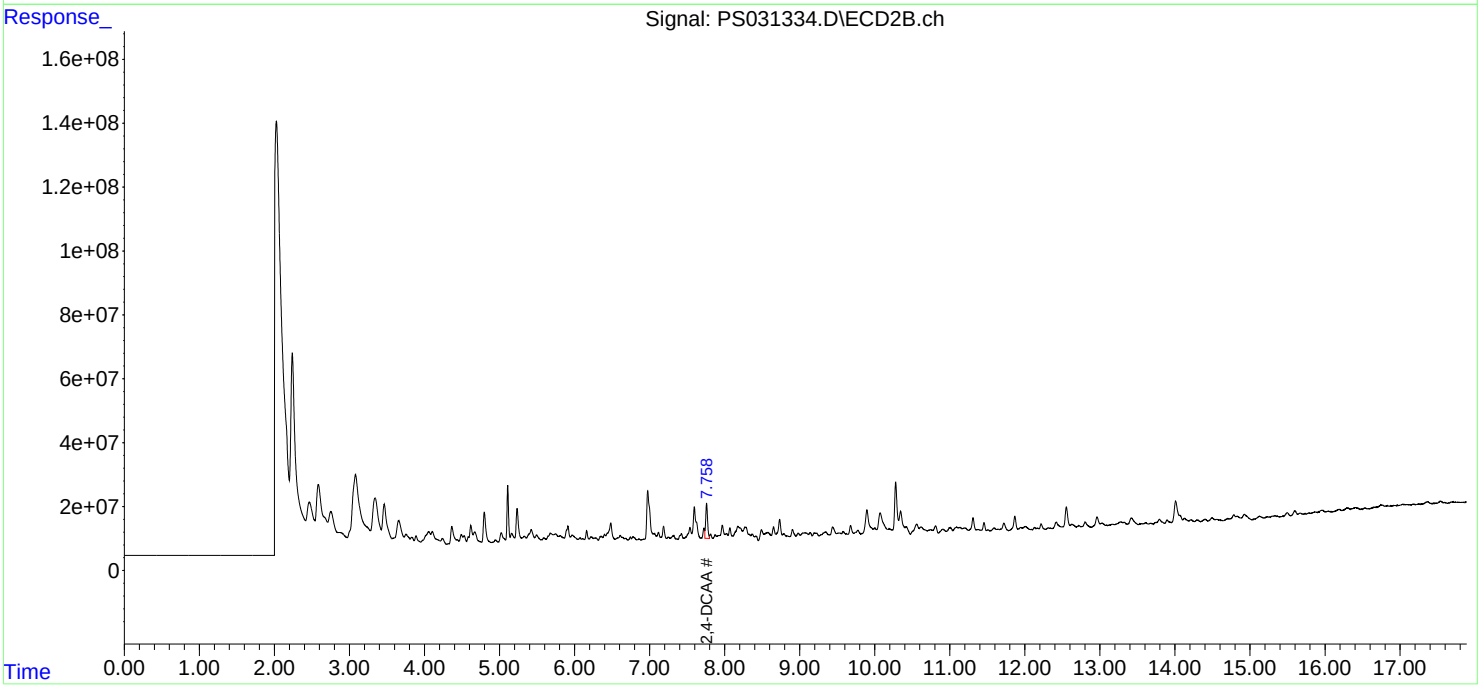
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:12
Operator : AR\AJ
Sample : Q2639-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

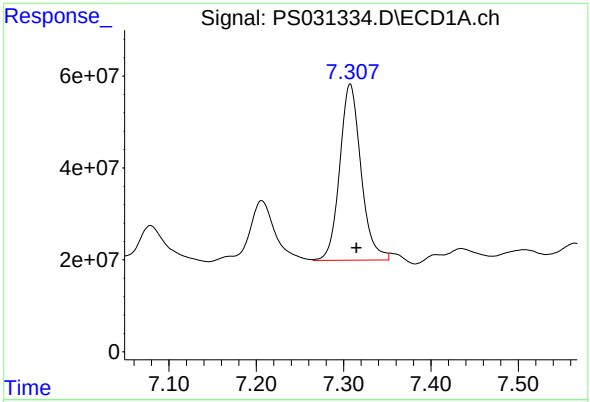
Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:32:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



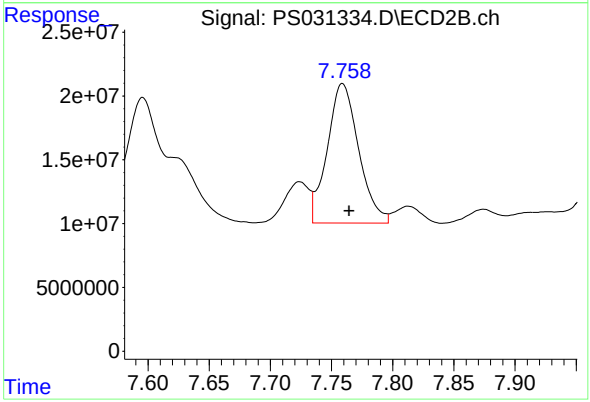




#4 2,4-DCAA

R.T.: 7.307 min
Delta R.T.: -0.007 min
Response: 651058181
Conc: 223.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725



#4 2,4-DCAA

R.T.: 7.759 min
Delta R.T.: -0.005 min
Response: 195172718
Conc: 233.72 ng/ml

Raw Data: **PS031214.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-41-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	82 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
PS031214.D	1	07/22/25 09:05	07/24/25 00:04	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.040	U	0.0094	0.040	0.082	mg/Kg
75-99-0	DALAPON	0.061	U	0.021	0.061	0.082	mg/Kg
120-36-5	DICHLORPROP	0.040	U	0.016	0.040	0.082	mg/Kg
94-75-7	2,4-D	0.040	U	0.011	0.040	0.082	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.040	U	0.011	0.040	0.082	mg/Kg
93-76-5	2,4,5-T	0.040	U	0.011	0.040	0.082	mg/Kg
94-82-6	2,4-DB	0.040	U	0.030	0.040	0.082	mg/Kg
88-85-7	DINOSEB	0.040	U	0.013	0.040	0.082	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	142		27 - 122		28%	SPK: 500

Comments:

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

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

Sample Results: **PS031214.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:04
Operator : AR\AJ
Sample : Q2639-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725

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 01:29:08 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	7.318	7.766	585.0E6	144.6E6	134.542	142.483m
	Target Compounds						

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

Sample Results: **PS031214.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:04
Operator : AR\AJ
Sample : Q2639-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

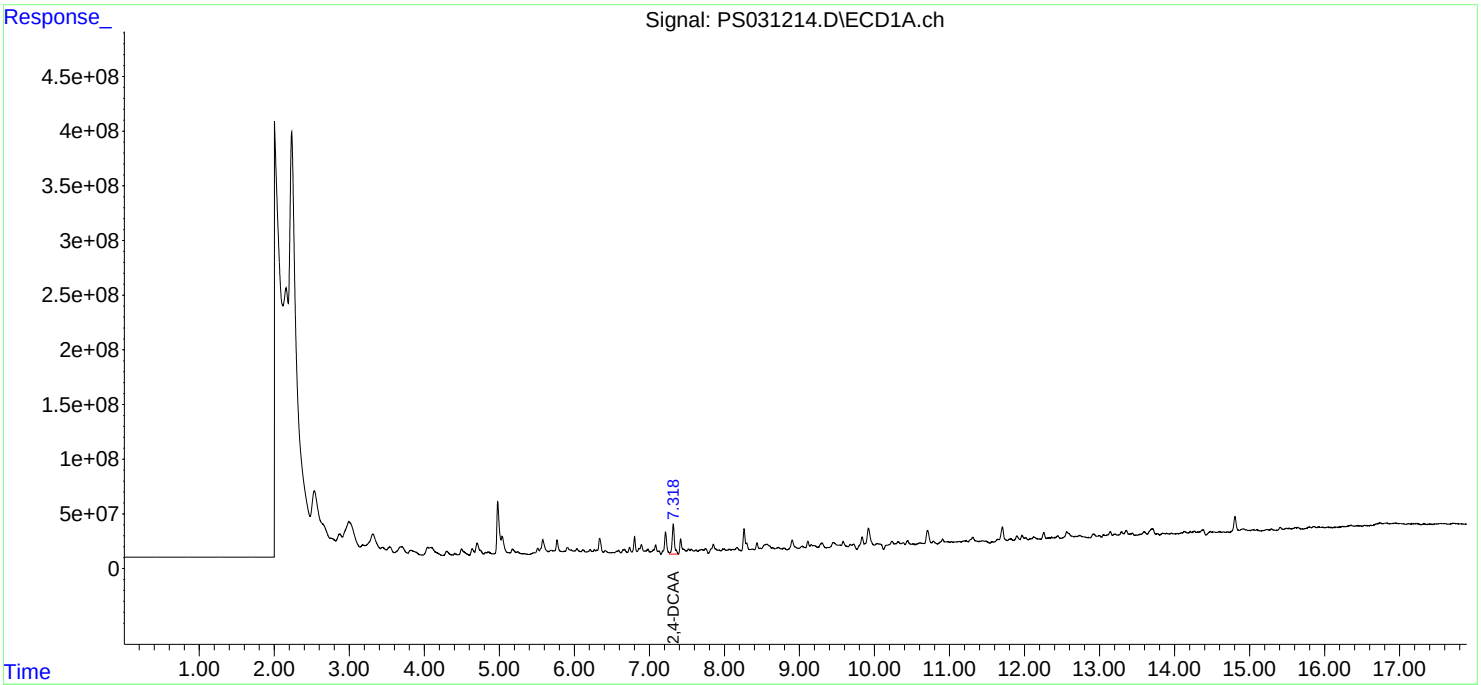
Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725

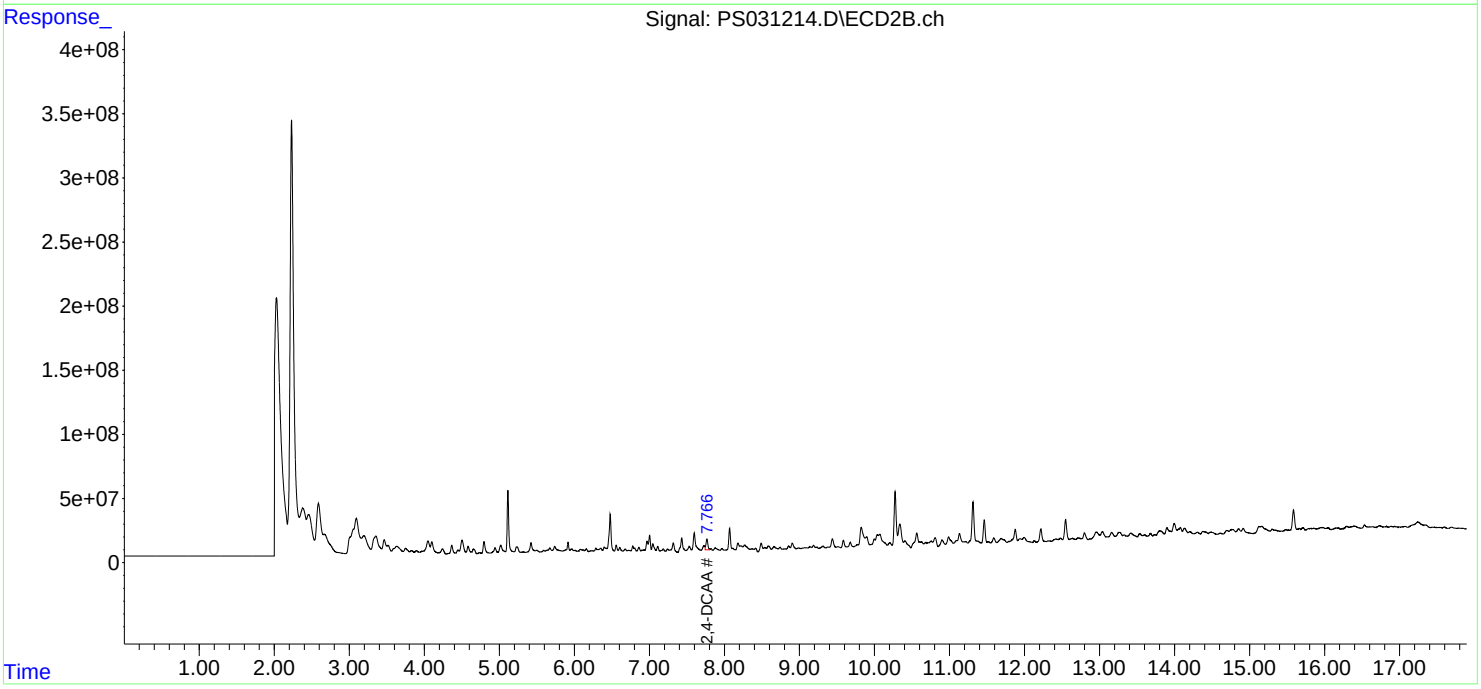
Manual Integrations APPROVED

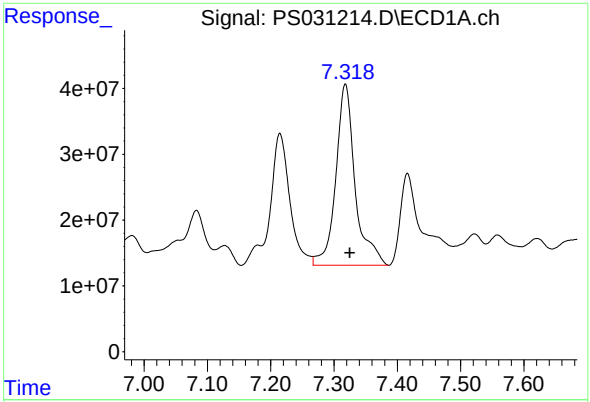
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:29:08 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







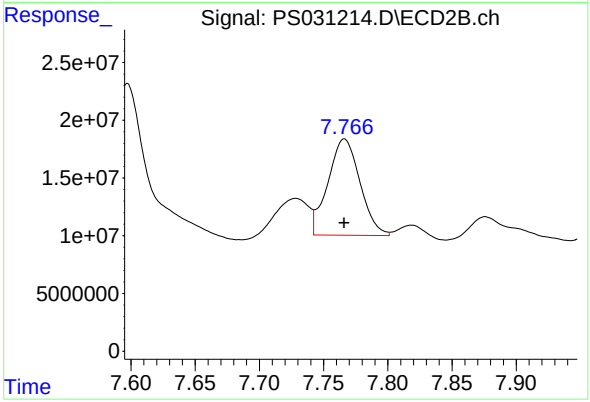
#4 2,4-DCAA

R.T.: 7.318 min
Delta R.T.: -0.007 min
Response: 585020941
Conc: 134.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725

Manual Integrations
APPROVED

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



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 144615941
Conc: 142.48 ng/ml m

Raw Data: **PS031215.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-42-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-09	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	60.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031215.D	1	07/22/25 09:05	07/24/25 00:28	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.055	U	0.013	0.055	0.11	mg/Kg
75-99-0	DALAPON	0.083	U	0.029	0.083	0.11	mg/Kg
120-36-5	DICHLORPROP	0.055	U	0.021	0.055	0.11	mg/Kg
94-75-7	2,4-D	0.055	U	0.015	0.055	0.11	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.055	U	0.015	0.055	0.11	mg/Kg
93-76-5	2,4,5-T	0.055	U	0.014	0.055	0.11	mg/Kg
94-82-6	2,4-DB	0.055	U	0.040	0.055	0.11	mg/Kg
88-85-7	DINOSEB	0.055	U	0.018	0.055	0.11	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	141		27 - 122		28%	SPK: 500

Comments:

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

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

Sample Results: **PS031215.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:28
Operator : AR\AJ
Sample : Q2639-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725

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 01:29:36 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	7.317	7.769	283.1E6	142.6E6	65.116	140.520m#
	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 : PS031215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:28
Operator : AR\AJ
Sample : Q2639-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

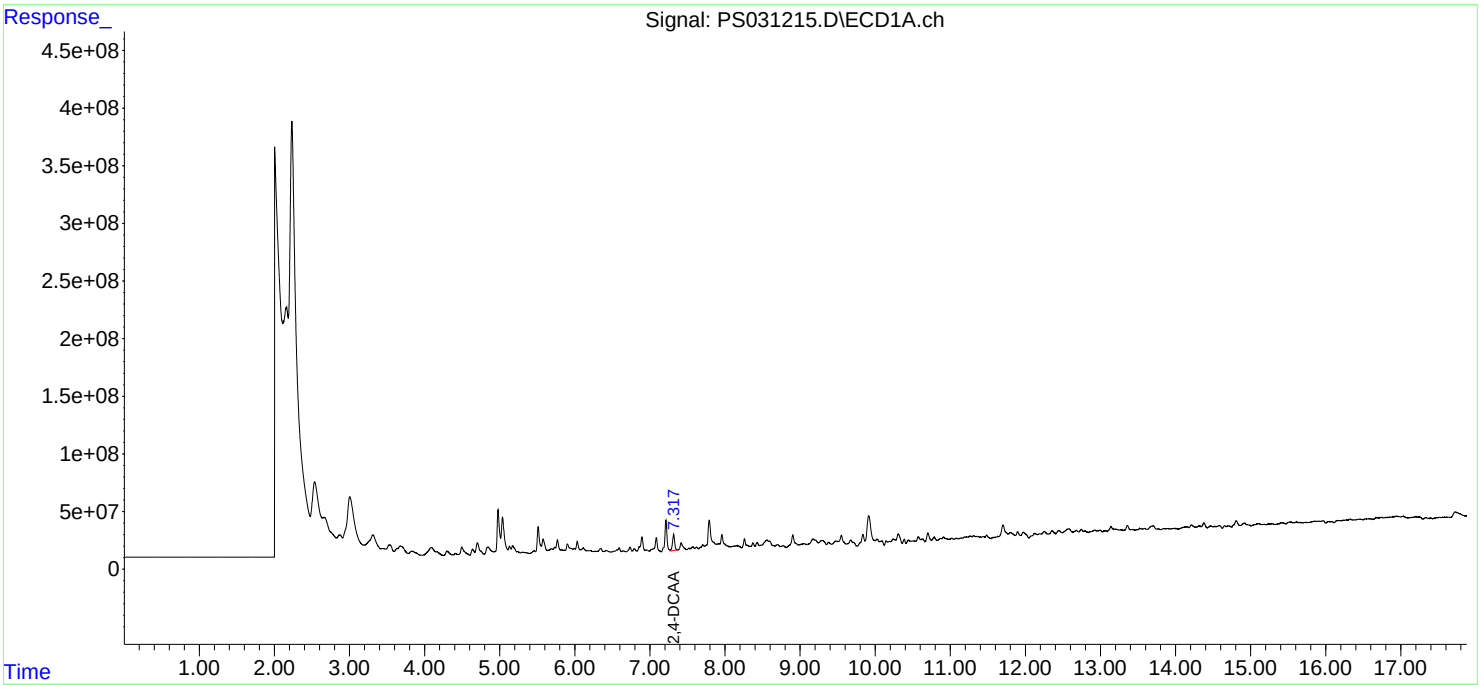
Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725

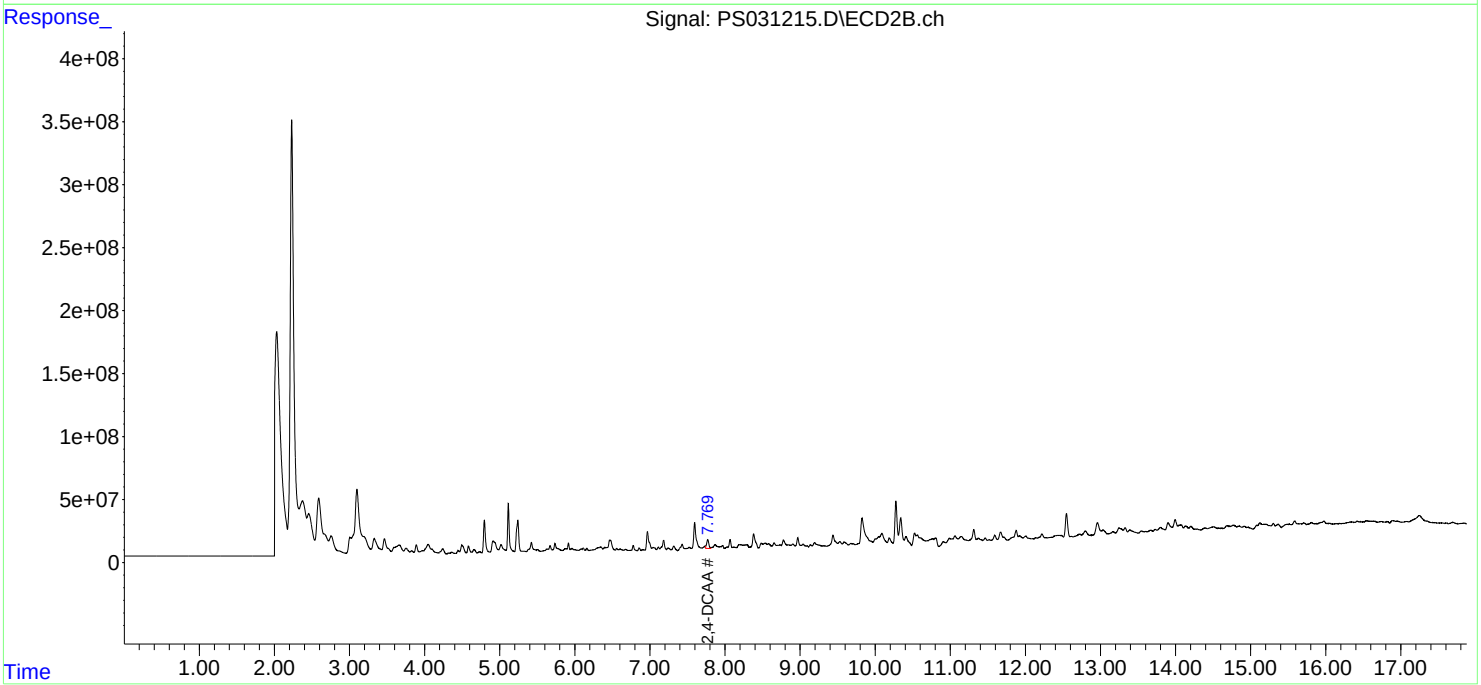
Manual Integrations APPROVED

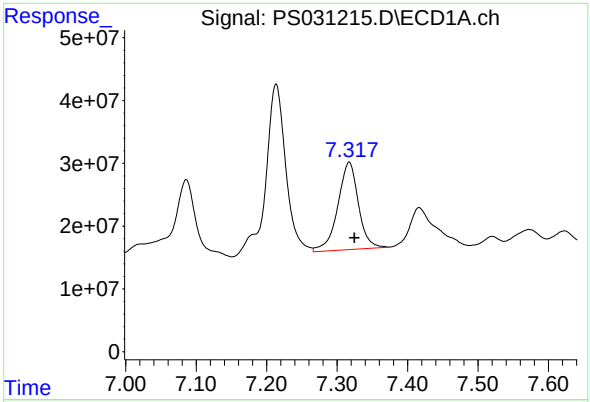
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:29:36 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







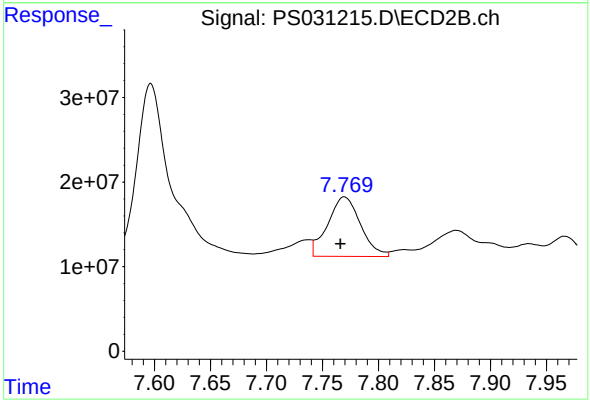
#4 2,4-DCAA

R.T.: 7.317 min
Delta R.T.: -0.007 min
Response: 283141542
Conc: 65.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725

Manual Integrations
APPROVED

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



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.003 min
Response: 142623368
Conc: 140.52 ng/ml m

Raw Data: **PS031326.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-42-071725RE	SDG No.:	Q2639
Lab Sample ID:	Q2639-09RE	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	60.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031326.D	1	07/22/25 09:05	07/30/25 18:27	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.055	U	0.013	0.055	0.11	mg/Kg
75-99-0	DALAPON	0.083	U	0.029	0.083	0.11	mg/Kg
120-36-5	DICHLORPROP	0.055	U	0.021	0.055	0.11	mg/Kg
94-75-7	2,4-D	0.055	U	0.015	0.055	0.11	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.055	U	0.015	0.055	0.11	mg/Kg
93-76-5	2,4,5-T	0.055	U	0.014	0.055	0.11	mg/Kg
94-82-6	2,4-DB	0.055	U	0.040	0.055	0.11	mg/Kg
88-85-7	DINOSEB	0.055	U	0.018	0.055	0.11	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	176		27 - 122		35%	SPK: 500

Comments:

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

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

Sample Results: **PS031326.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 18:27
Operator : AR\AJ
Sample : Q2639-09RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:12:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.306	7.763	321.4E6	146.6E6	110.326m	175.514m#
	Target Compounds						

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

Sample Results: **PS031326.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 18:27
Operator : AR\AJ
Sample : Q2639-09RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

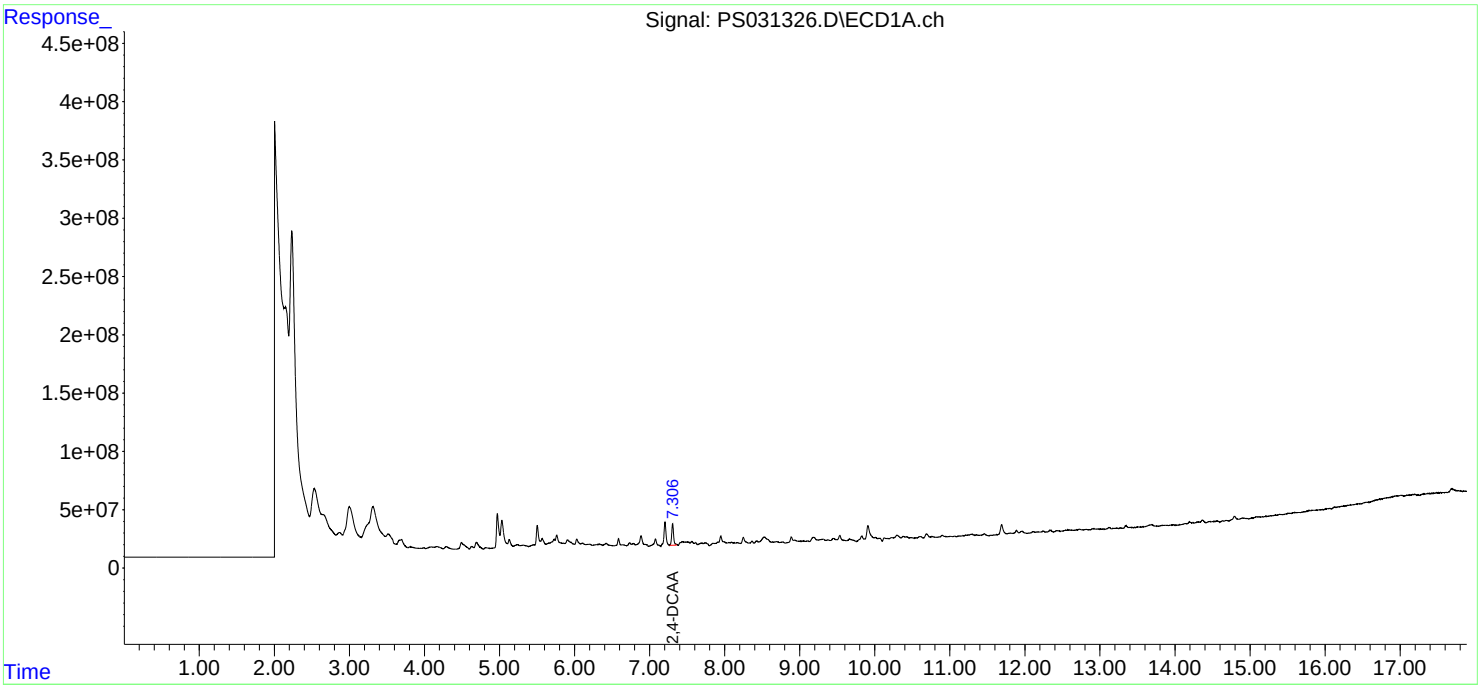
Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725RE

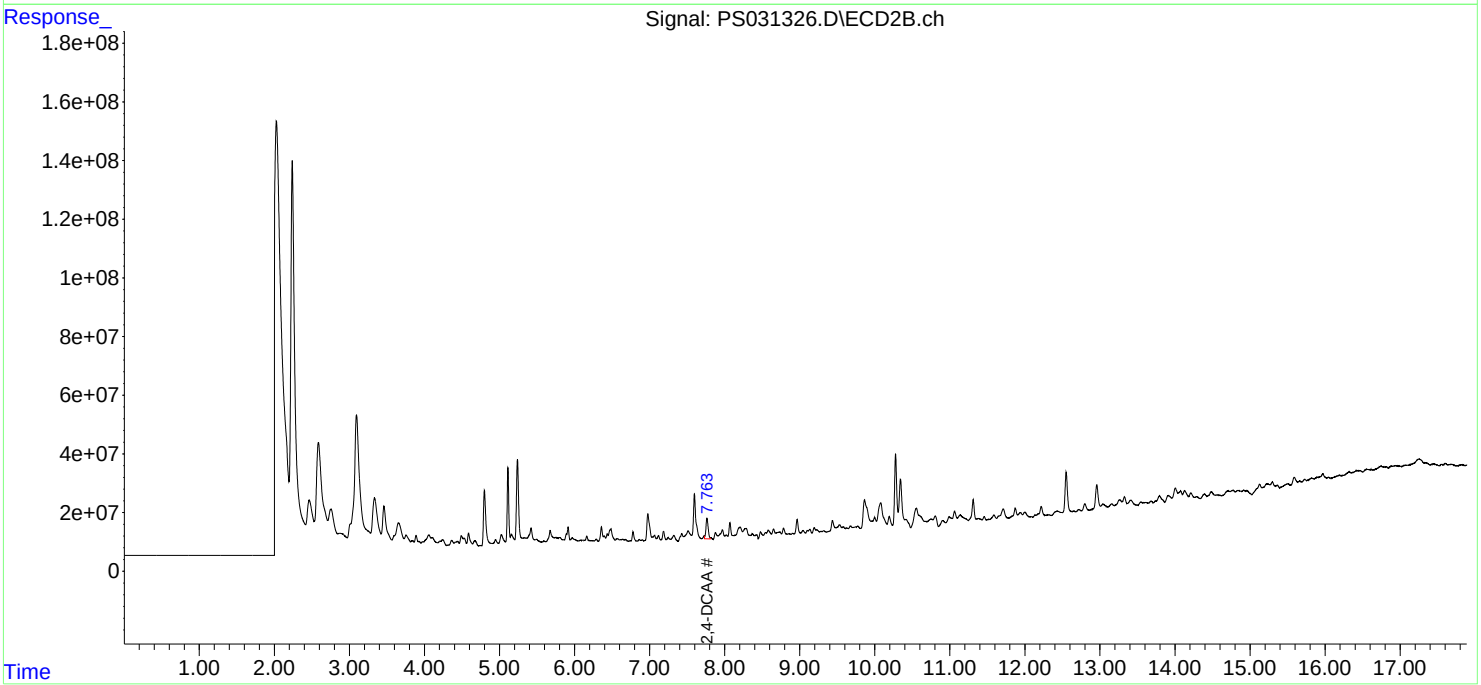
Manual Integrations APPROVED

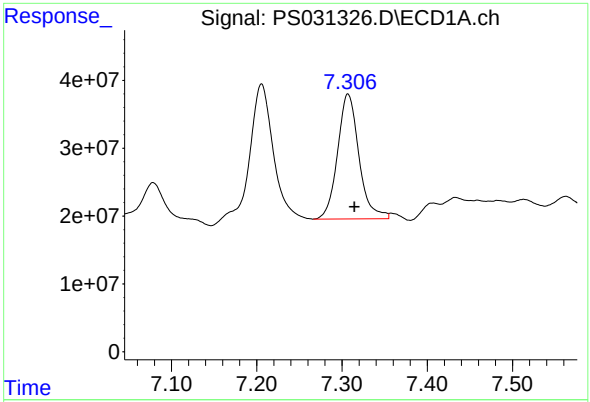
Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:12:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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







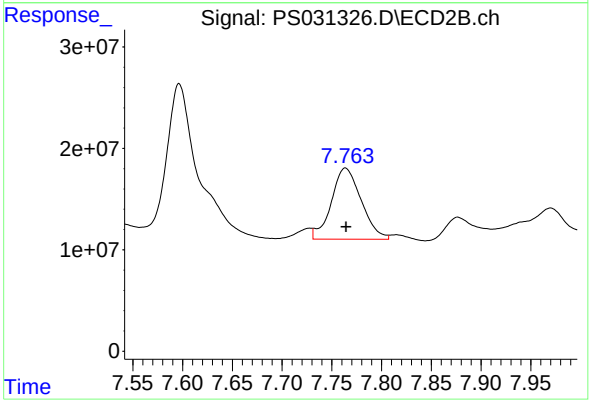
#4 2,4-DCAA

R.T.: 7.306 min
Delta R.T.: -0.008 min
Response: 321423267
Conc: 110.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.001 min
Response: 146568466
Conc: 175.51 ng/ml m

Raw Data: **PS031216.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-43-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-11	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	58 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
PS031216.D	1	07/22/25 09:05	07/24/25 00:52	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.057	U	0.013	0.057	0.12	mg/Kg
75-99-0	DALAPON	0.086	U	0.030	0.086	0.12	mg/Kg
120-36-5	DICHLORPROP	0.057	U	0.022	0.057	0.12	mg/Kg
94-75-7	2,4-D	0.057	U	0.016	0.057	0.12	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.057	U	0.016	0.057	0.12	mg/Kg
93-76-5	2,4,5-T	0.057	U	0.015	0.057	0.12	mg/Kg
94-82-6	2,4-DB	0.057	U	0.042	0.057	0.12	mg/Kg
88-85-7	DINOSEB	0.057	U	0.019	0.057	0.12	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	133		27 - 122		27%	SPK: 500

Comments:

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

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

Sample Results: **PS031216.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:52
Operator : AR\AJ
Sample : Q2639-11
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725

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 03:34:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.315	7.768	272.7E6	135.4E6	62.710m	133.414m#
	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 : PS031216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:52
Operator : AR\AJ
Sample : Q2639-11
Misc :
ALS Vial : 33 Sample Multiplier: 1

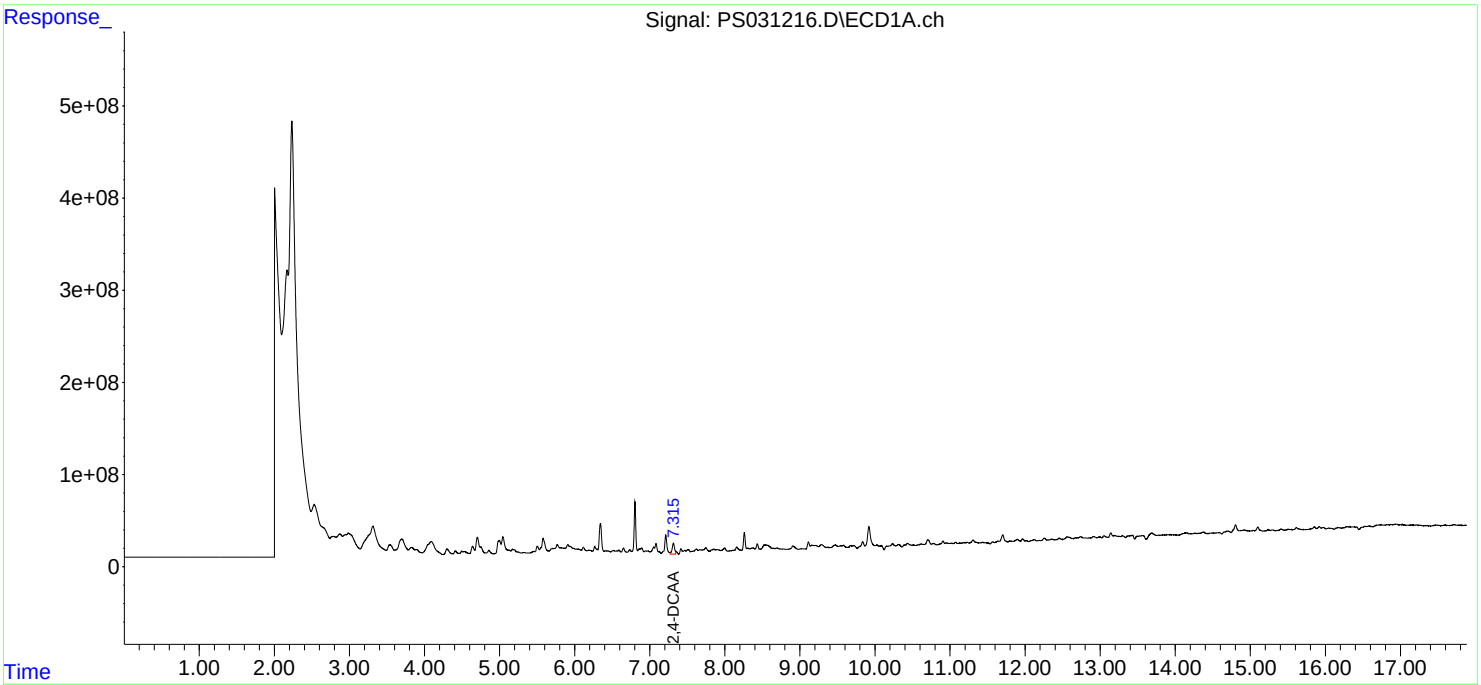
Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725

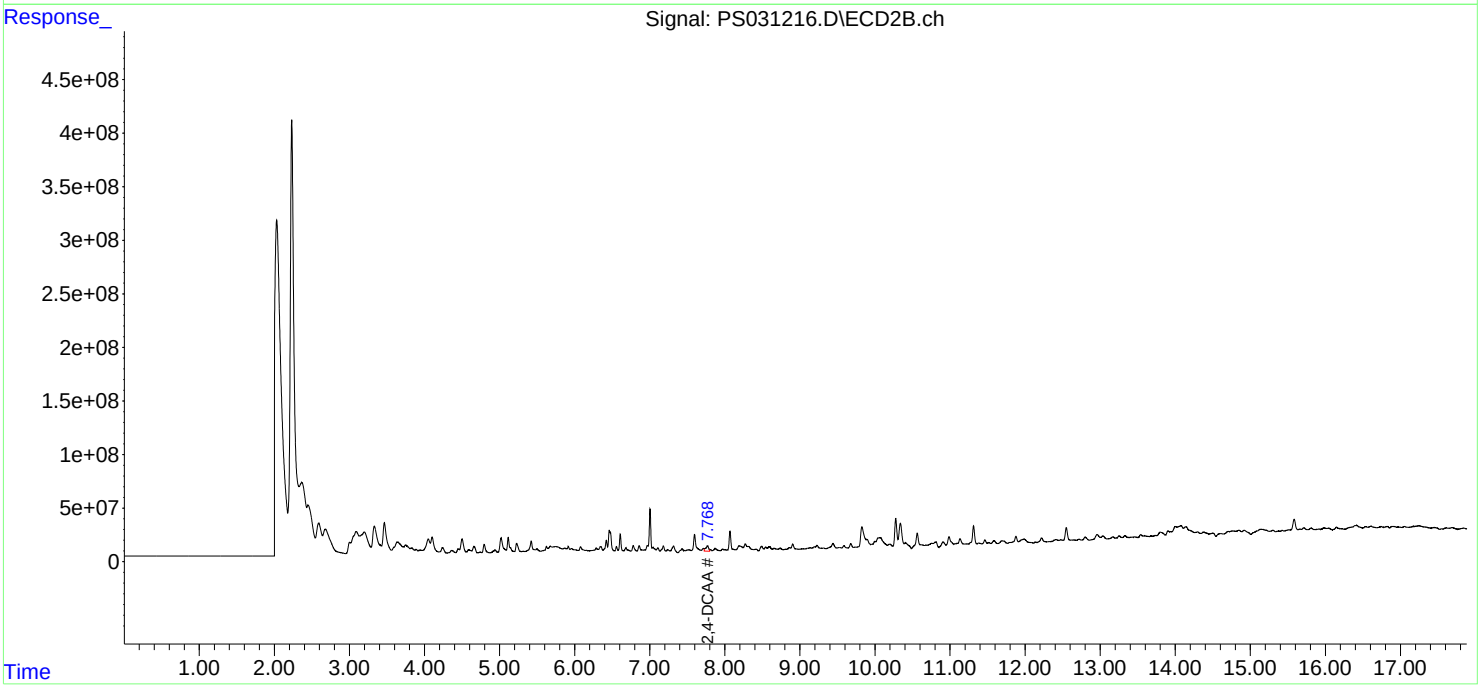
Manual Integrations APPROVED

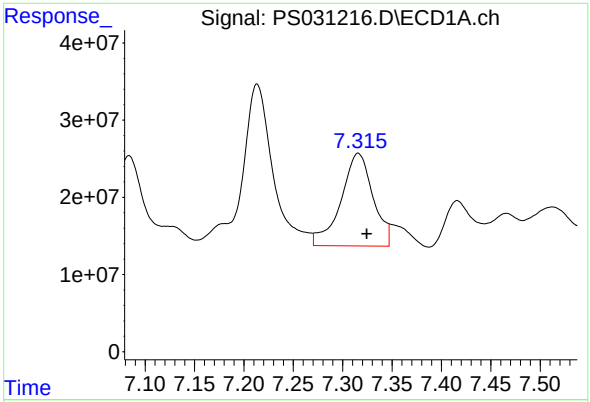
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 03:34:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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







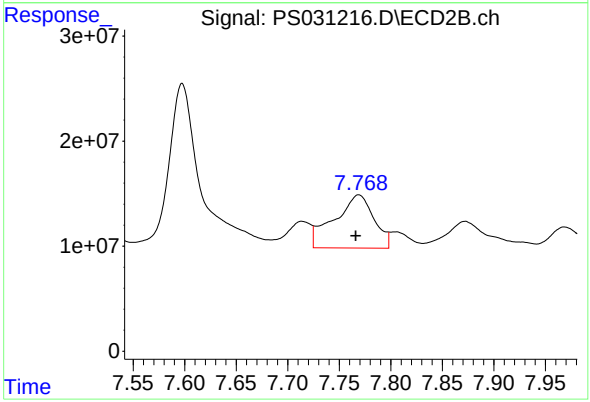
#4 2,4-DCAA

R.T.: 7.315 min
Delta R.T.: -0.009 min
Response: 272679473
Conc: 62.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725

Manual Integrations
APPROVED

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



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.002 min
Response: 135410548
Conc: 133.41 ng/ml m

Raw Data: **PS031327.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-43-071725RE	SDG No.:	Q2639
Lab Sample ID:	Q2639-11RE	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	58 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
PS031327.D	1	07/22/25 09:05	07/30/25 18:51	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.057	U	0.013	0.057	0.12	mg/Kg
75-99-0	DALAPON	0.086	U	0.030	0.086	0.12	mg/Kg
120-36-5	DICHLORPROP	0.057	U	0.022	0.057	0.12	mg/Kg
94-75-7	2,4-D	0.057	U	0.016	0.057	0.12	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.057	U	0.016	0.057	0.12	mg/Kg
93-76-5	2,4,5-T	0.057	U	0.015	0.057	0.12	mg/Kg
94-82-6	2,4-DB	0.057	U	0.042	0.057	0.12	mg/Kg
88-85-7	DINOSEB	0.057	U	0.019	0.057	0.12	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	148		27 - 122		30%	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\PS073025\
Data File : PS031327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 18:51
Operator : AR\AJ
Sample : Q2639-11RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:12:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.306	7.762	316.2E6	123.5E6	108.541	147.907 #
	Target Compounds						

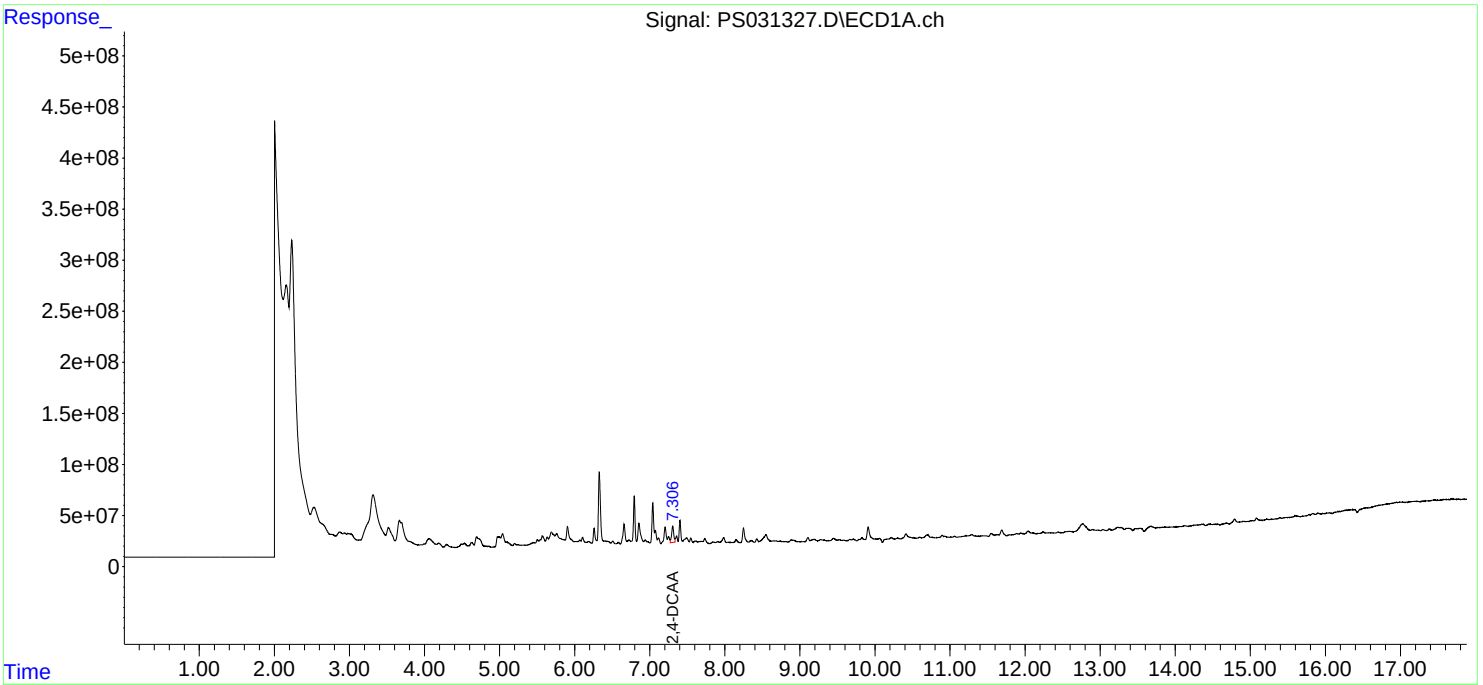
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

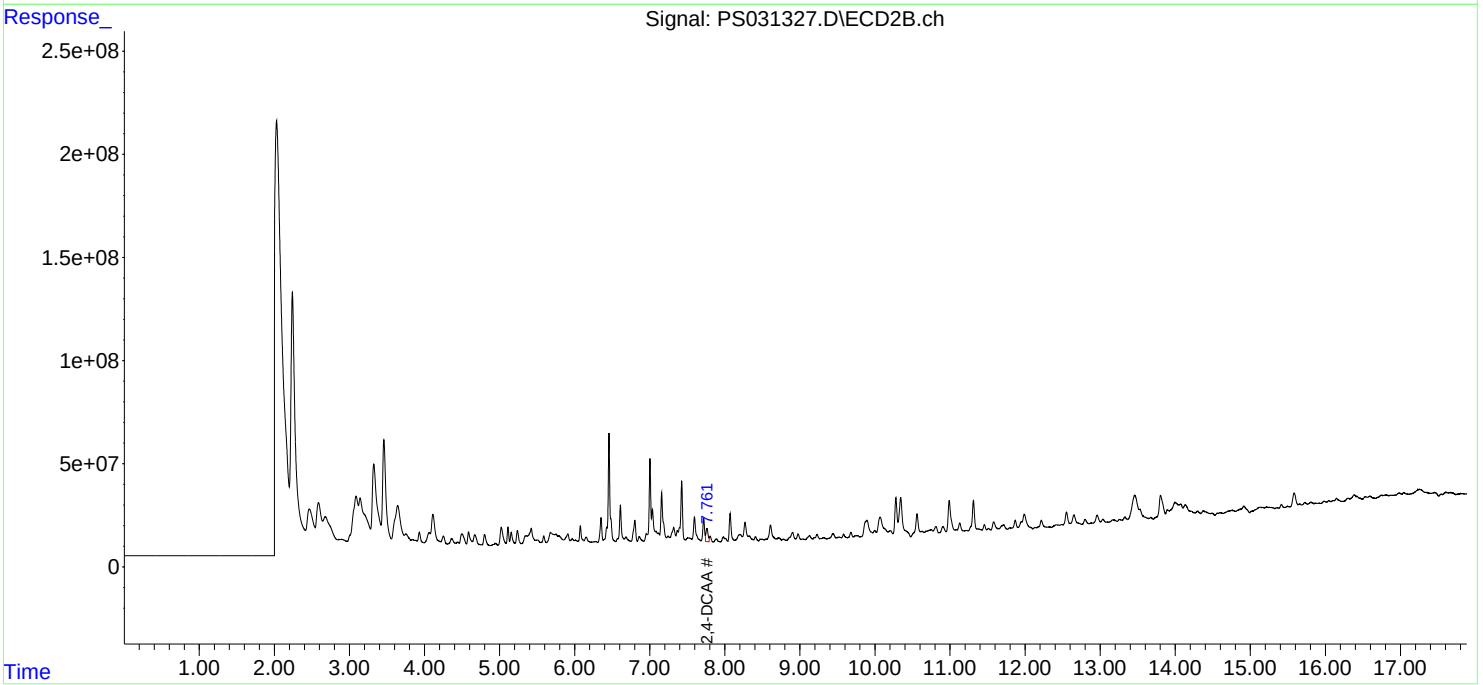
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 18:51
Operator : AR\AJ
Sample : Q2639-11RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

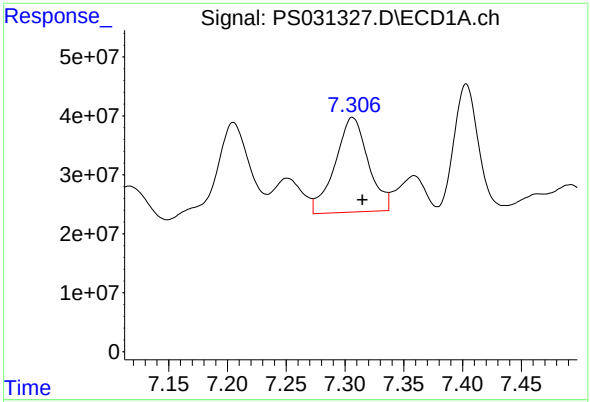
Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:12:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



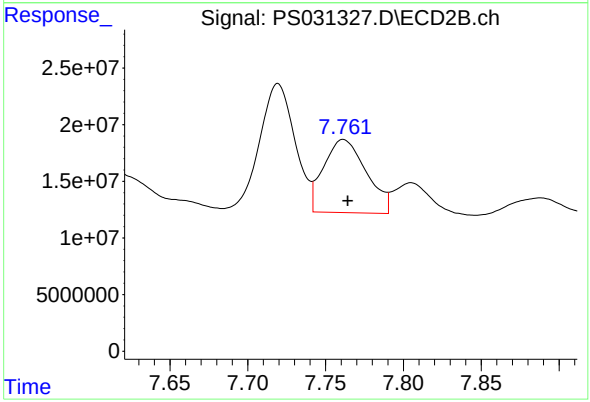




#4 2,4-DCAA

R.T.: 7.306 min
Delta R.T.: -0.008 min
Response: 316223049
Conc: 108.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725RE



#4 2,4-DCAA

R.T.: 7.762 min
Delta R.T.: -0.003 min
Response: 123514580
Conc: 147.91 ng/ml

Raw Data: **PS031217.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-44-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-13	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	64.9 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031217.D	1	07/22/25 09:05	07/24/25 01:17	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.051	U	0.012	0.051	0.10	mg/Kg
75-99-0	DALAPON	0.077	U	0.027	0.077	0.10	mg/Kg
120-36-5	DICHLORPROP	0.051	U	0.020	0.051	0.10	mg/Kg
94-75-7	2,4-D	0.051	U	0.014	0.051	0.10	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.051	U	0.014	0.051	0.10	mg/Kg
93-76-5	2,4,5-T	0.051	U	0.013	0.051	0.10	mg/Kg
94-82-6	2,4-DB	0.051	U	0.037	0.051	0.10	mg/Kg
88-85-7	DINOSEB	0.051	U	0.017	0.051	0.10	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	158		27 - 122		32%	SPK: 500

Comments:

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

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

Sample Results: **PS031217.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031217.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 01:17
Operator : AR\AJ
Sample : Q2639-13
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725

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 03:35:18 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	7.318	7.766	372.8E6	160.8E6	85.737	158.385m#
	Target Compounds						

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

Sample Results: **PS031217.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031217.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 01:17
Operator : AR\AJ
Sample : Q2639-13
Misc :
ALS Vial : 34 Sample Multiplier: 1

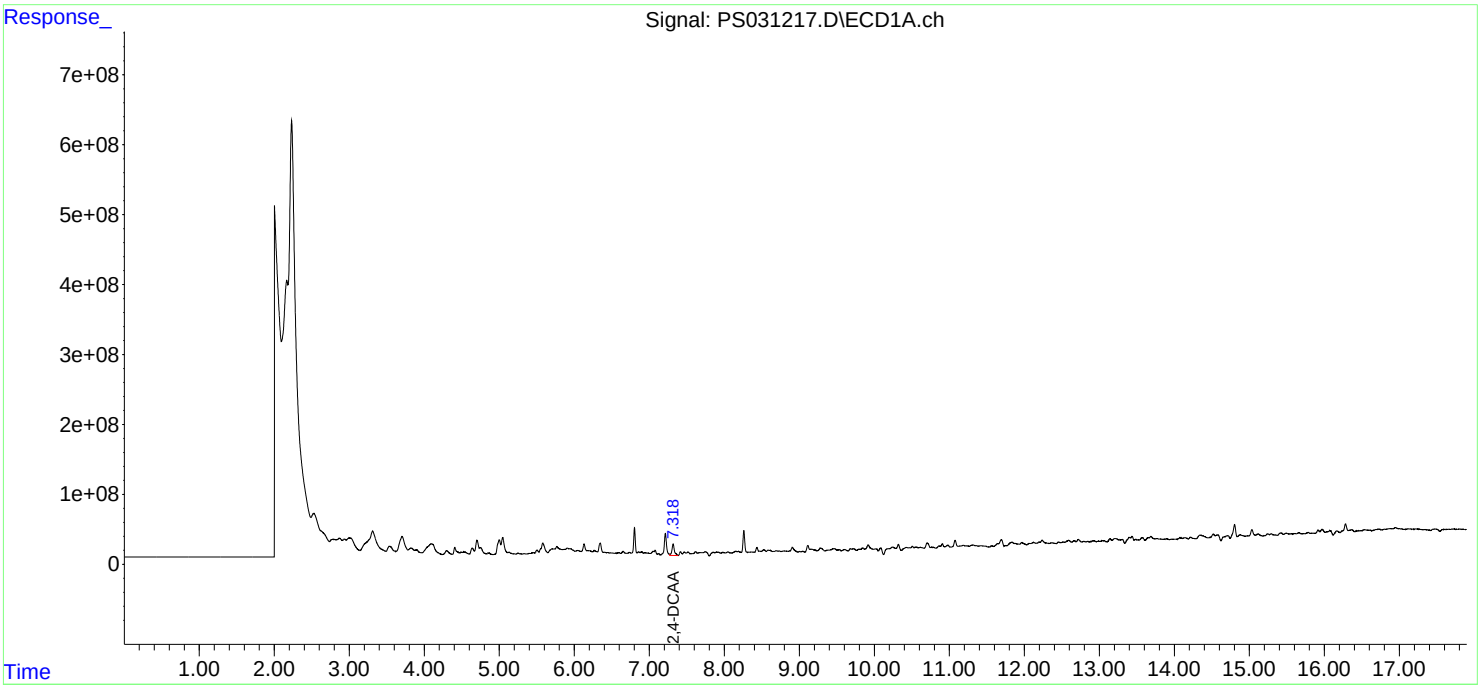
Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725

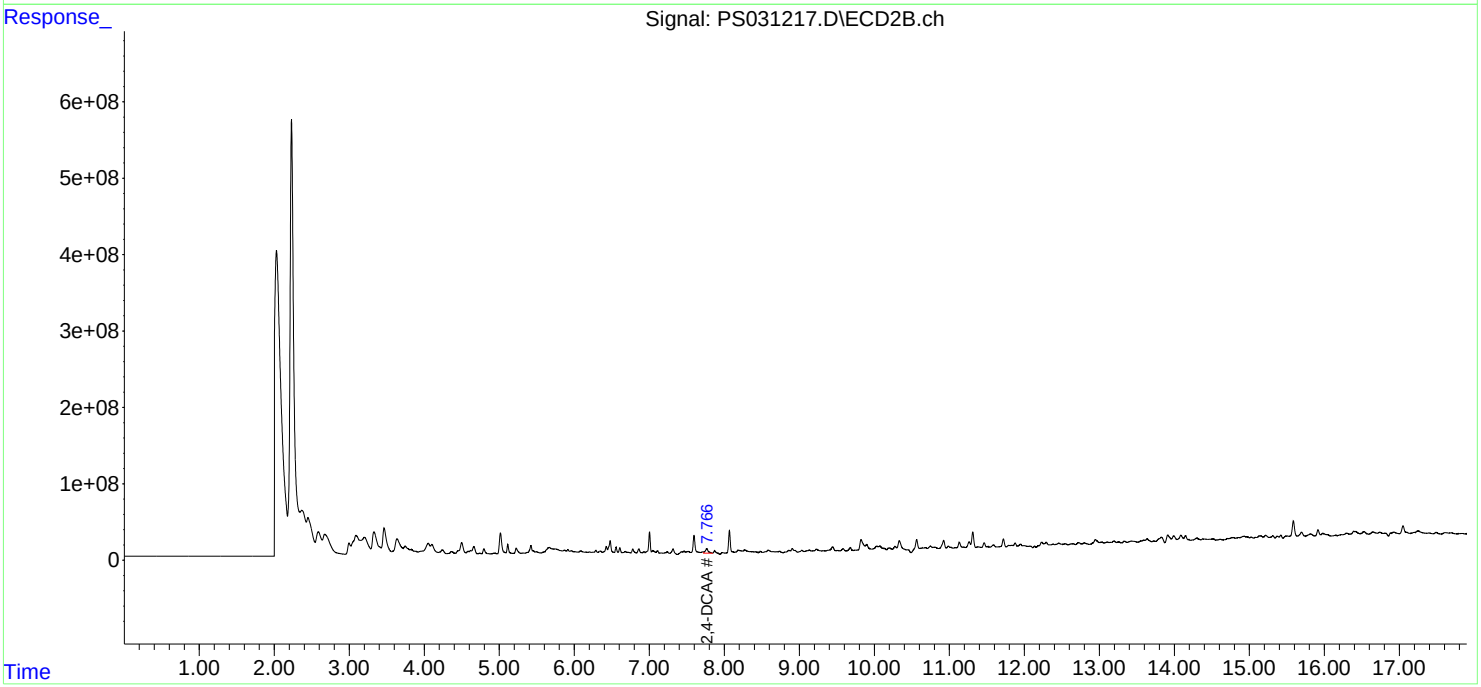
Manual Integrations APPROVED

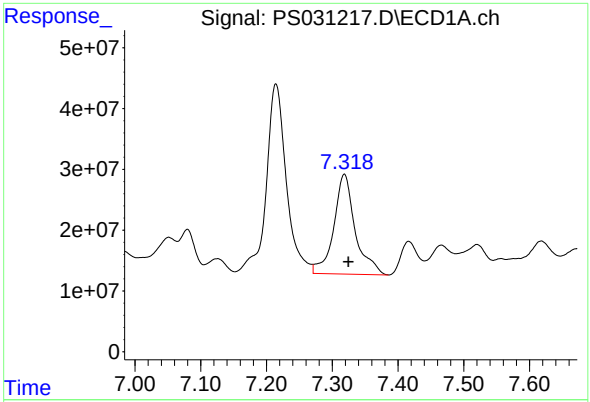
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 03:35:18 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







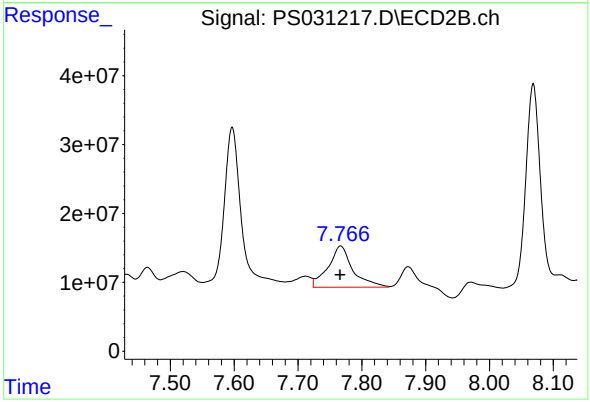
#4 2,4-DCAA

R.T.: 7.318 min
Delta R.T.: -0.006 min
Response: 372808212
Conc: 85.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725

Manual Integrations
APPROVED

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



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 160755920
Conc: 158.39 ng/ml m

Raw Data: **PS031328.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-44-071725RE	SDG No.:	Q2639
Lab Sample ID:	Q2639-13RE	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	64.9 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031328.D	1	07/22/25 09:05	07/30/25 19:15	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.051	U	0.012	0.051	0.10	mg/Kg
75-99-0	DALAPON	0.077	U	0.027	0.077	0.10	mg/Kg
120-36-5	DICHLORPROP	0.051	U	0.020	0.051	0.10	mg/Kg
94-75-7	2,4-D	0.051	U	0.014	0.051	0.10	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.051	U	0.014	0.051	0.10	mg/Kg
93-76-5	2,4,5-T	0.051	U	0.013	0.051	0.10	mg/Kg
94-82-6	2,4-DB	0.051	U	0.037	0.051	0.10	mg/Kg
88-85-7	DINOSEB	0.051	U	0.017	0.051	0.10	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	138		27 - 122		28%	SPK: 500

Comments:

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

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

Sample Results: **PS031328.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 19:15
Operator : AR\AJ
Sample : Q2639-13RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:12:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.306	7.761	293.3E6	115.0E6	100.689m	137.717m#
	Target Compounds						

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

Sample Results: **PS031328.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 19:15
Operator : AR\AJ
Sample : Q2639-13RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

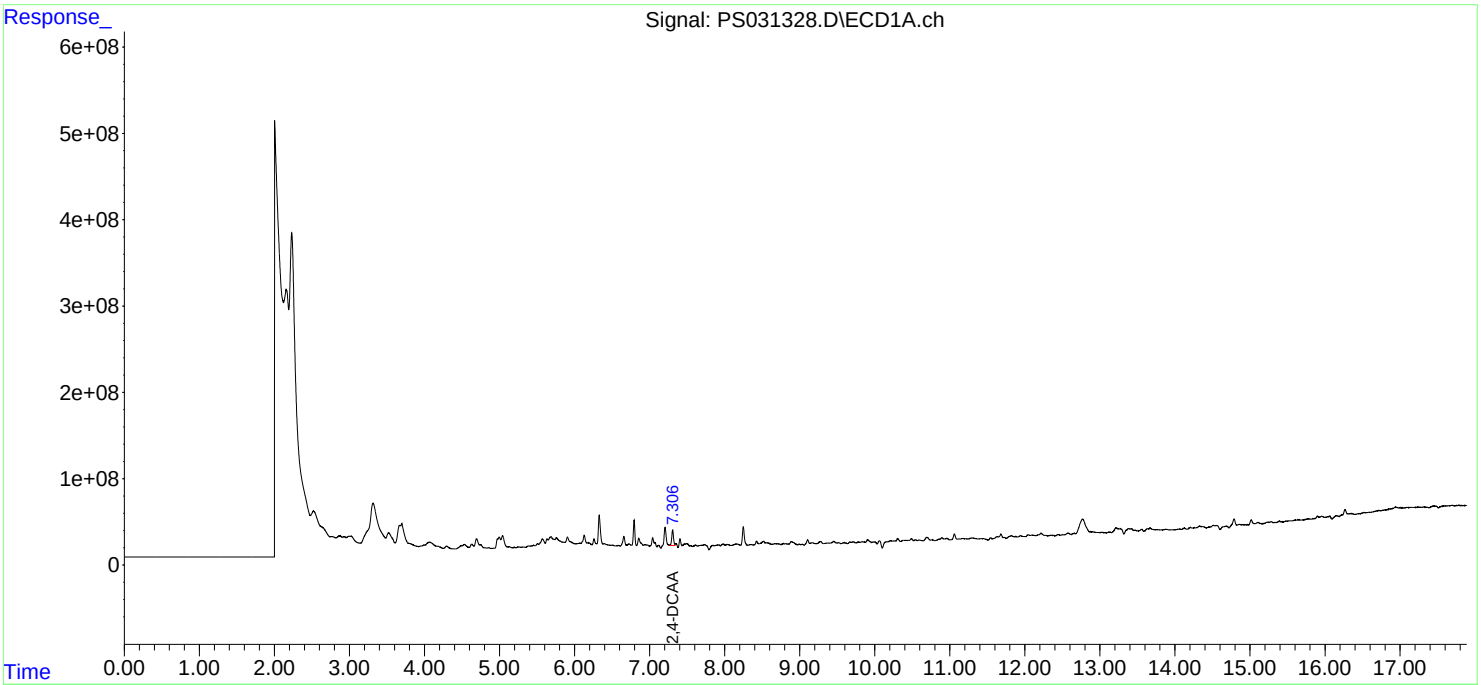
Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725RE

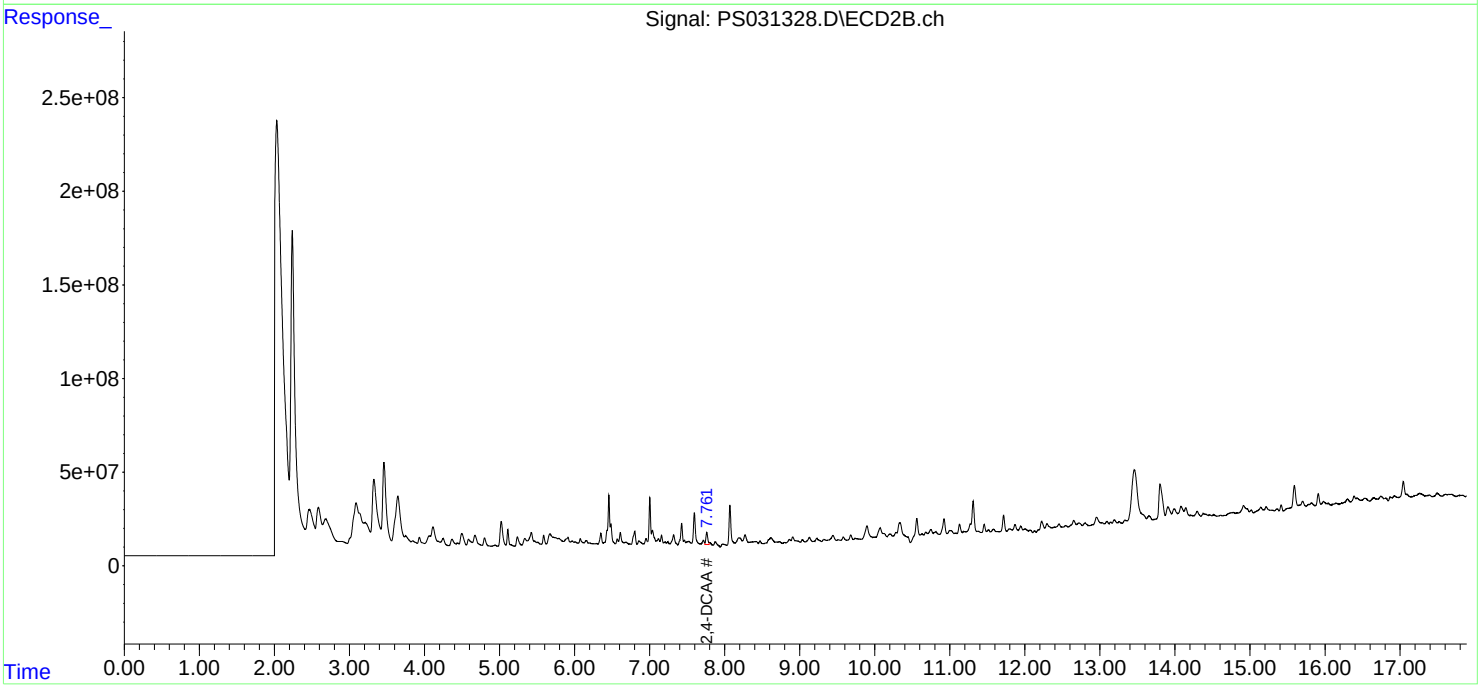
Manual Integrations APPROVED

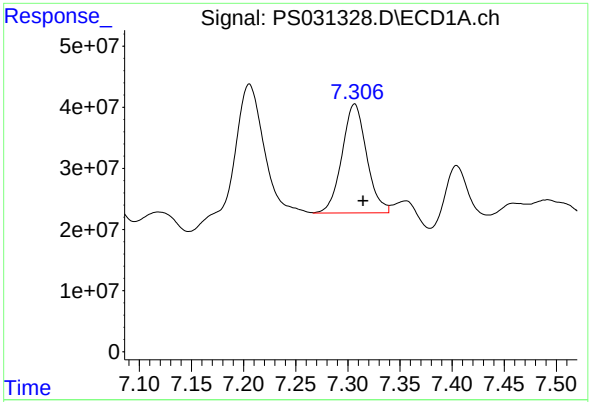
Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:12:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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







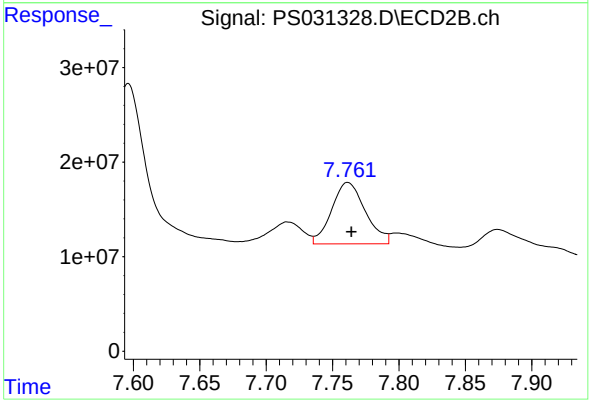
#4 2,4-DCAA

R.T.: 7.306 min
Delta R.T.: -0.008 min
Response: 293347853
Conc: 100.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725RE

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#4 2,4-DCAA

R.T.: 7.761 min
Delta R.T.: -0.003 min
Response: 115004487
Conc: 137.72 ng/ml m

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Instrument ID: ECD_S **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

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: NOBI03
SDG NO.: Q2639
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

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

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

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

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2639
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

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

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

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

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2639
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 15:02 16:39

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

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

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

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

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

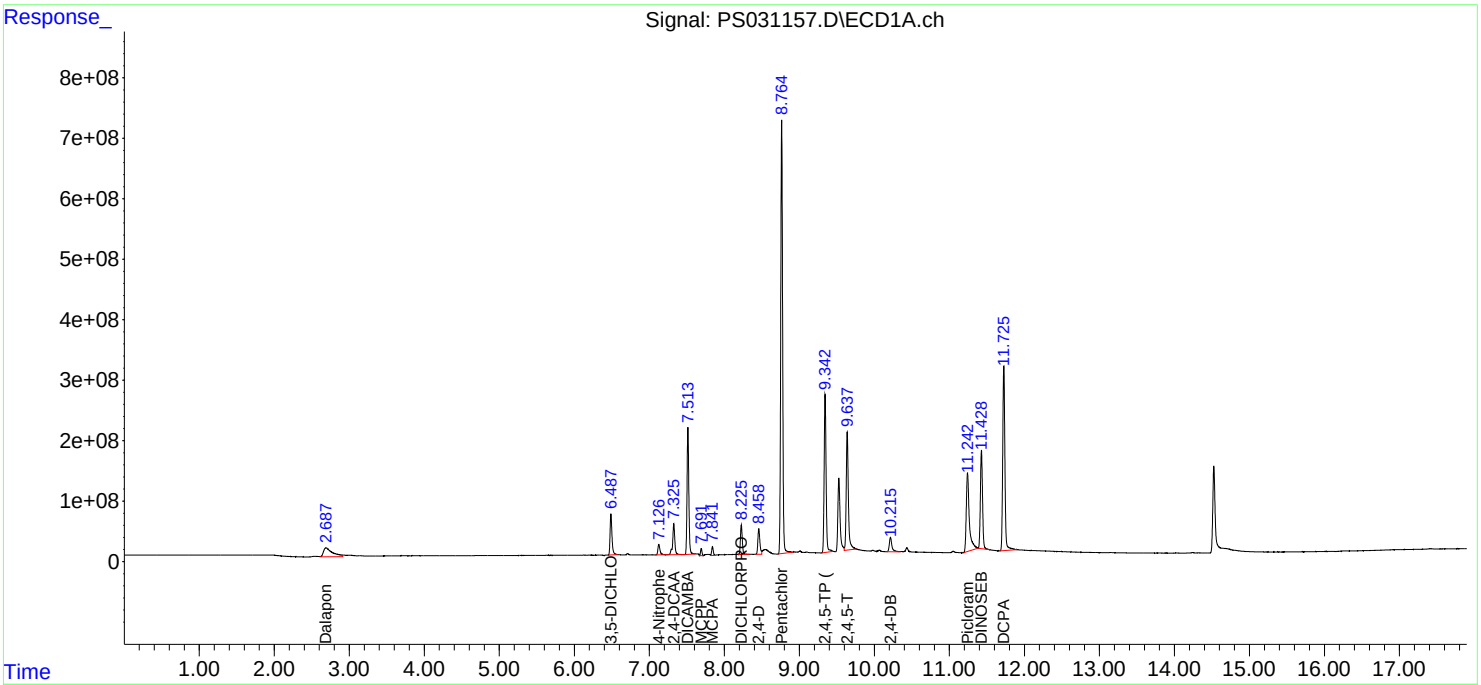
ICAL Form

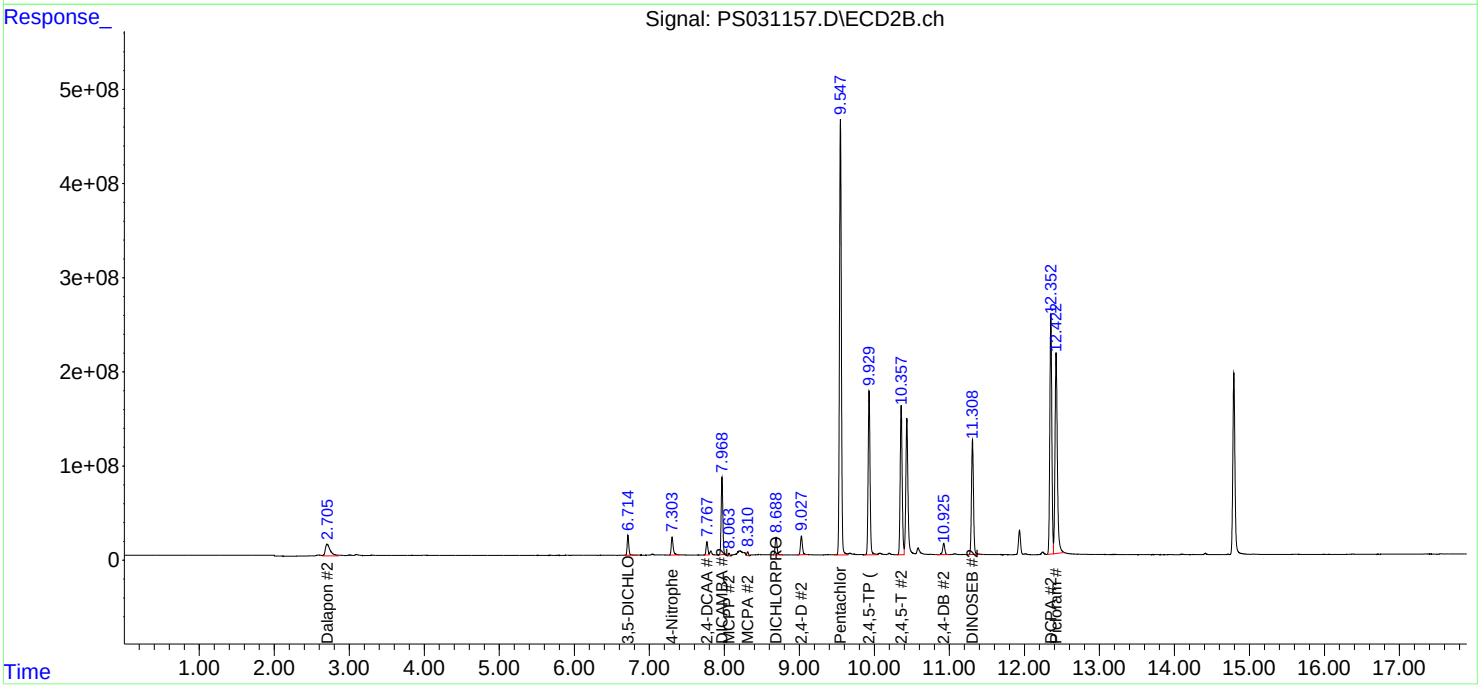
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031157.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:02
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

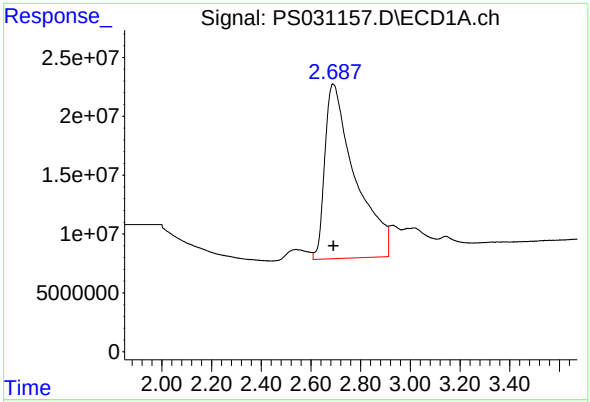
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

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

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



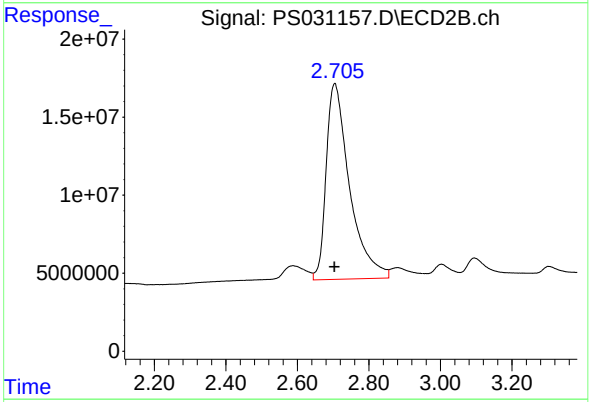




#1 Dalapon

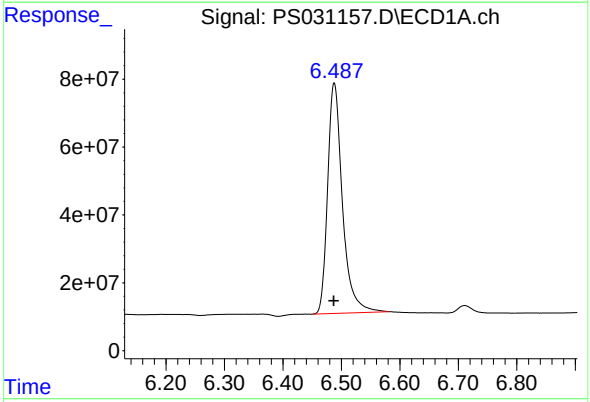
R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 1249018178
Conc: 201.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



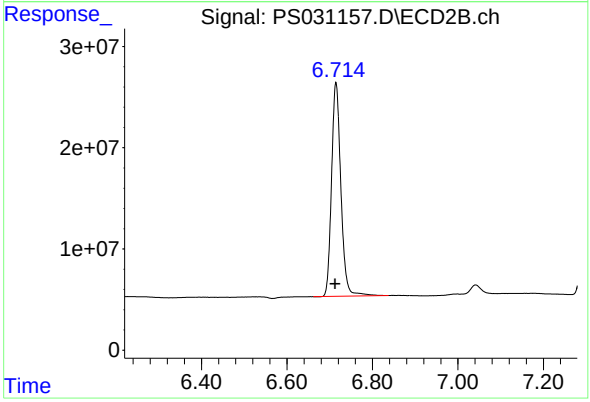
#1 Dalapon

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



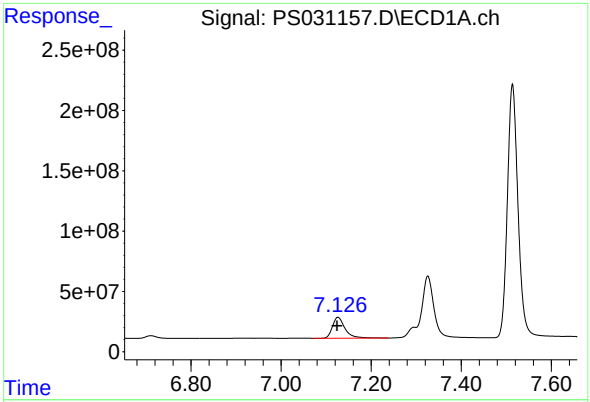
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

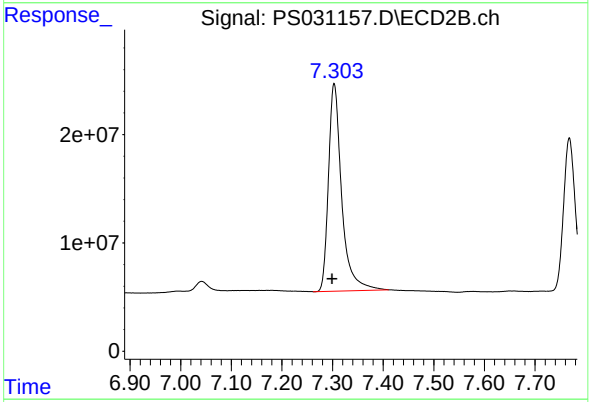
R.T.: 6.715 min
Delta R.T.: 0.002 min
Response: 320502490
Conc: 215.12 ng/ml



#3 4-Nitrophenol

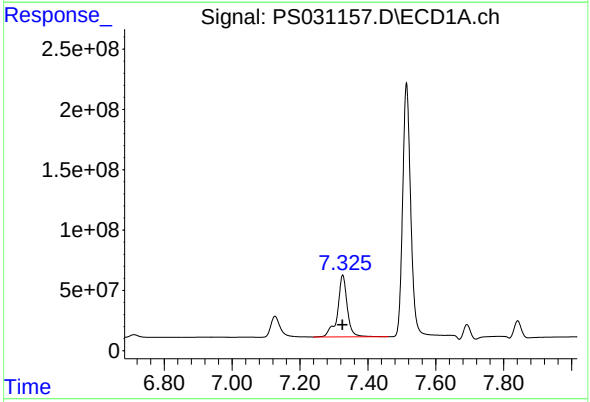
R.T.: 7.126 min
Delta R.T.: 0.002 min
Response: 335551168
Conc: 209.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



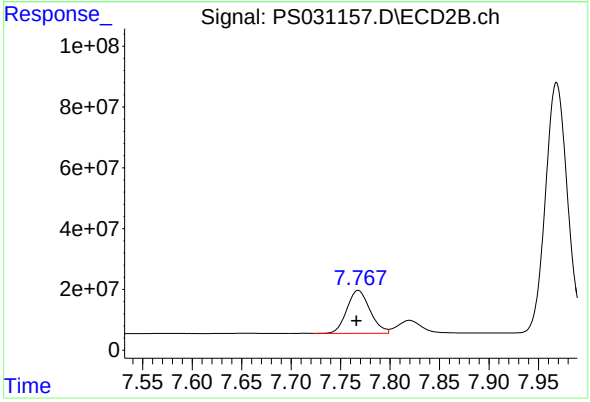
#3 4-Nitrophenol

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



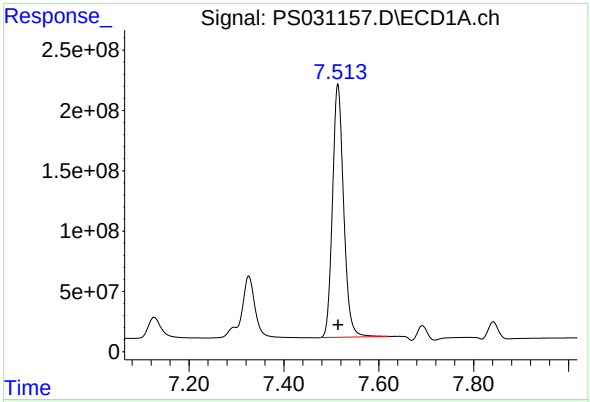
#4 2,4-DCAA

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



#4 2,4-DCAA

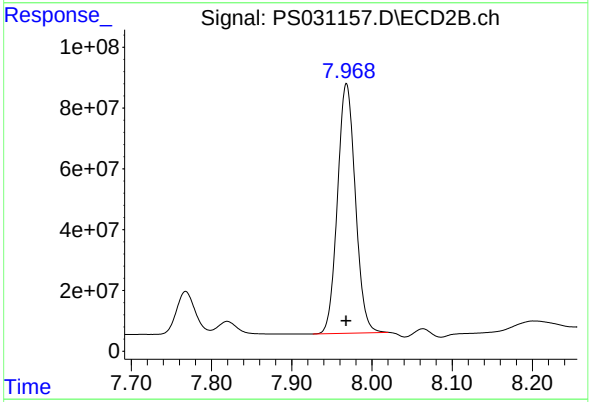
R.T.: 7.768 min
Delta R.T.: 0.002 min
Response: 229461022
Conc: 232.16 ng/ml



#5 DICAMBA

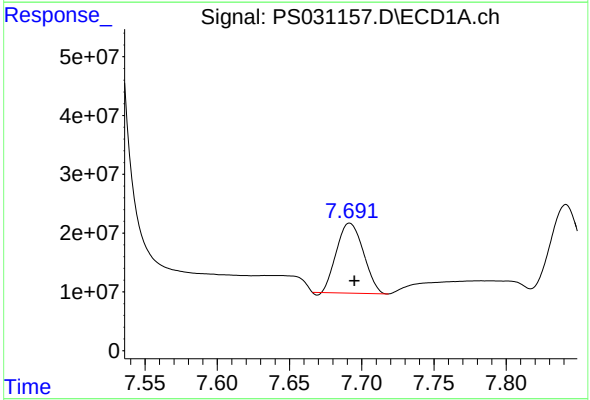
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 3423245167
Conc: 210.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



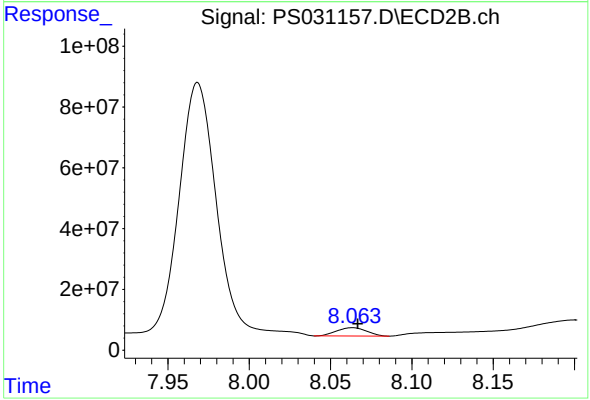
#5 DICAMBA

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



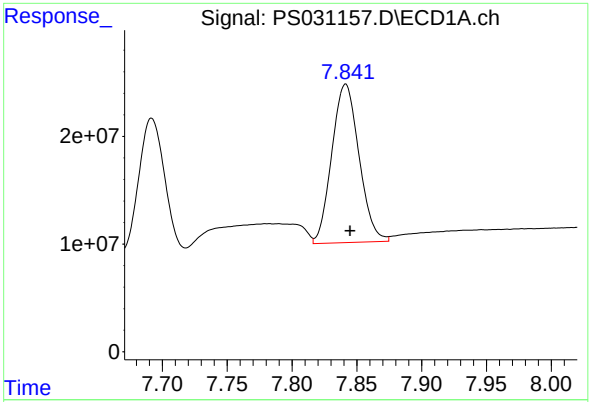
#6 MCPP

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



#6 MCPP

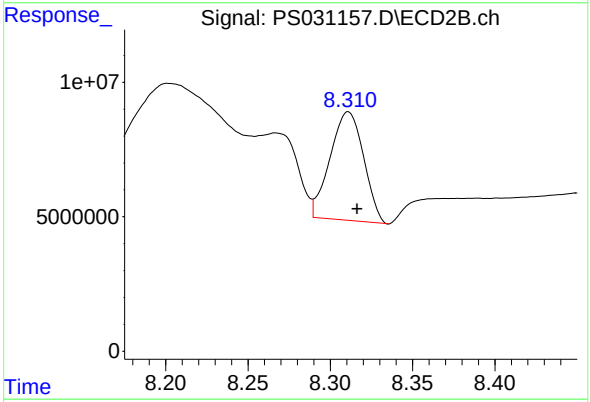
R.T.: 8.063 min
Delta R.T.: -0.003 min
Response: 34811617
Conc: 16.28 ug/ml



#7 MCPA

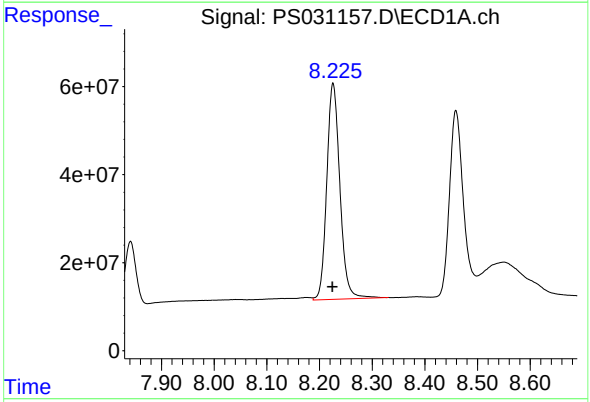
R.T.: 7.841 min
Delta R.T.: -0.003 min
Response: 215377008
Conc: 17.13 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



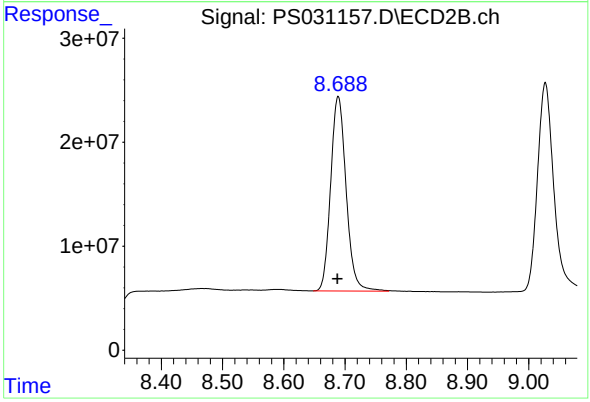
#7 MCPA

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



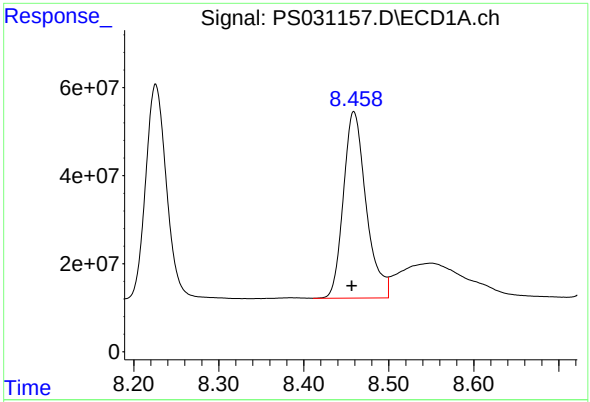
#8 DICHLORPROP

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



#8 DICHLORPROP

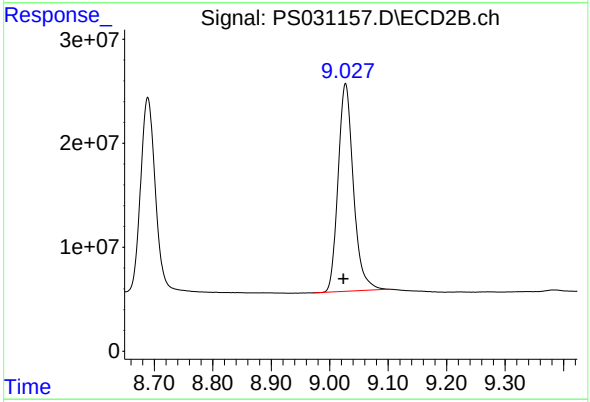
R.T.: 8.689 min
Delta R.T.: 0.001 min
Response: 328001670
Conc: 222.62 ng/ml



#9 2,4-D

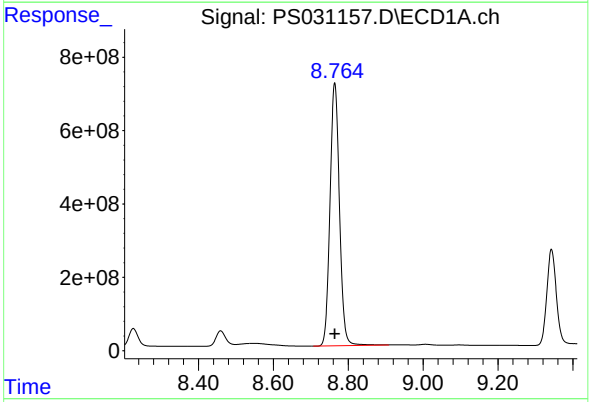
R.T.: 8.459 min
Delta R.T.: 0.003 min
Response: 788445719
Conc: 215.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



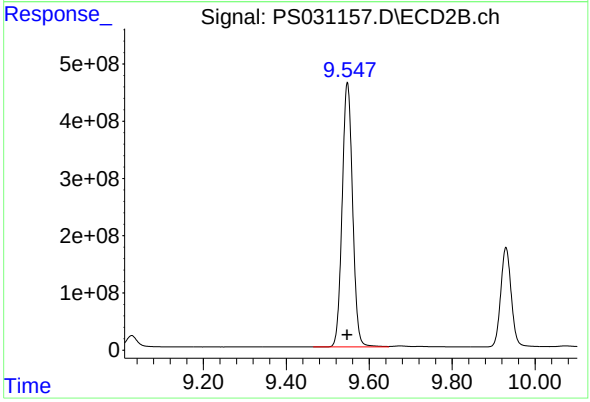
#9 2,4-D

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



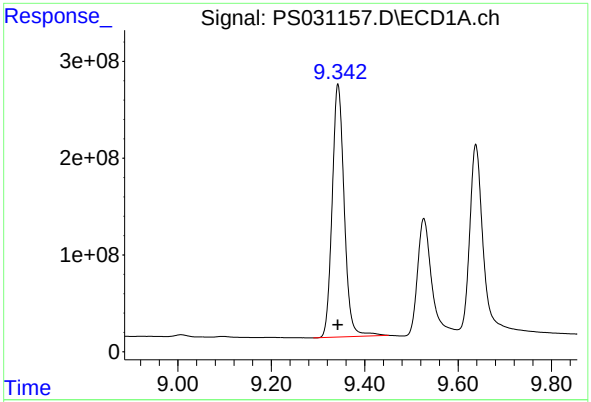
#10 Pentachlorophenol

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



#10 Pentachlorophenol

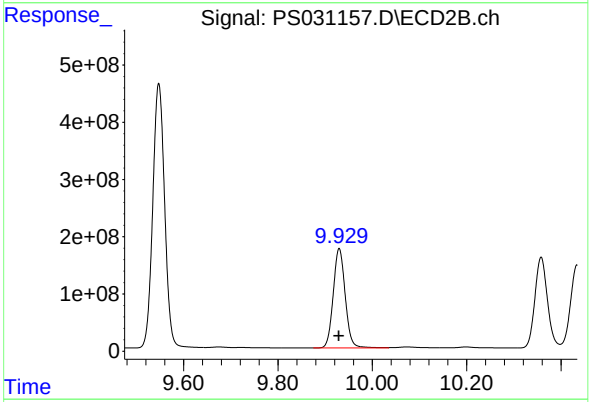
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 8086509060
Conc: 202.36 ng/ml



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

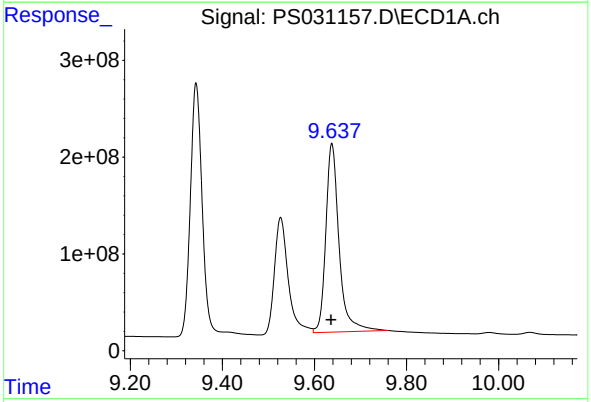
R.T.: 9.343 min
Delta R.T.: 0.001 min
Response: 4672594463
Conc: 215.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



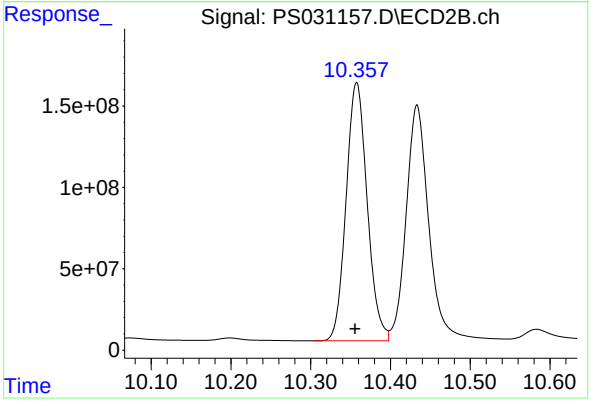
#11 2,4,5-TP (SILVEX)

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



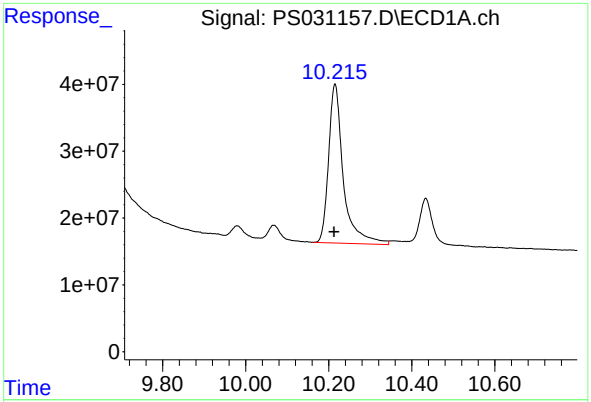
#12 2,4,5-T

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



#12 2,4,5-T

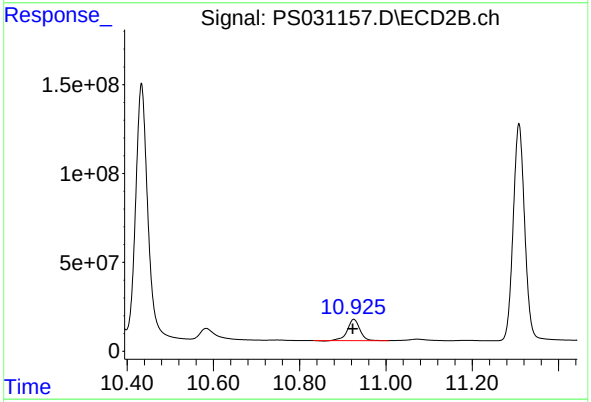
R.T.: 10.358 min
Delta R.T.: 0.002 min
Response: 2914739433
Conc: 205.89 ng/ml



#13 2,4-DB

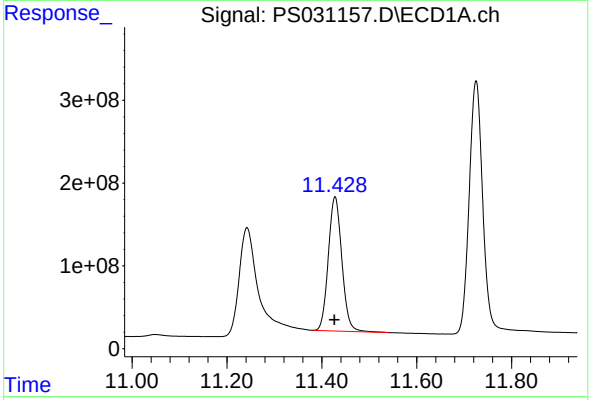
R.T.: 10.215 min
Delta R.T.: 0.002 min
Response: 587521205
Conc: 198.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



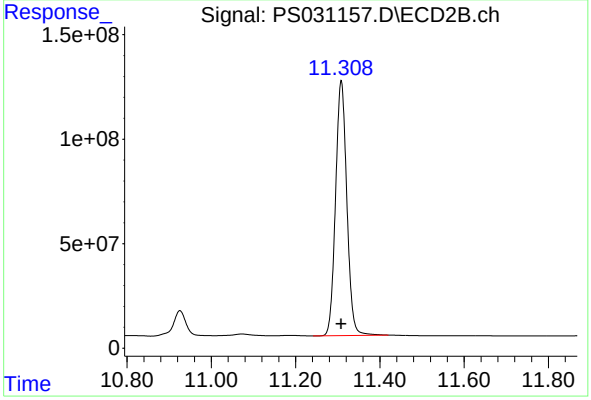
#13 2,4-DB

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



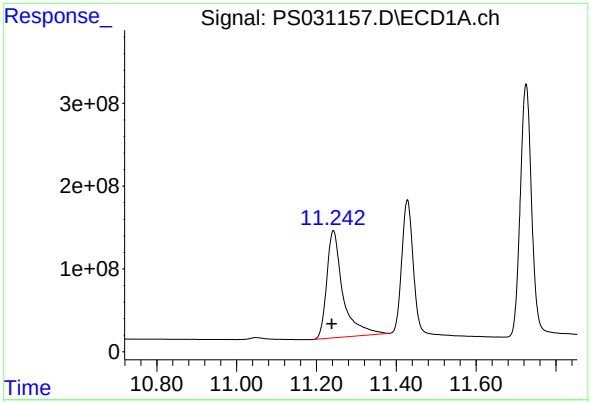
#14 DINOSEB

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



#14 DINOSEB

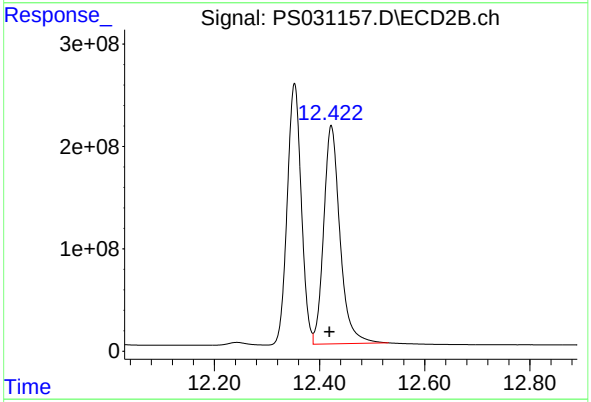
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 2260524674
Conc: 201.01 ng/ml



#15 Picloram

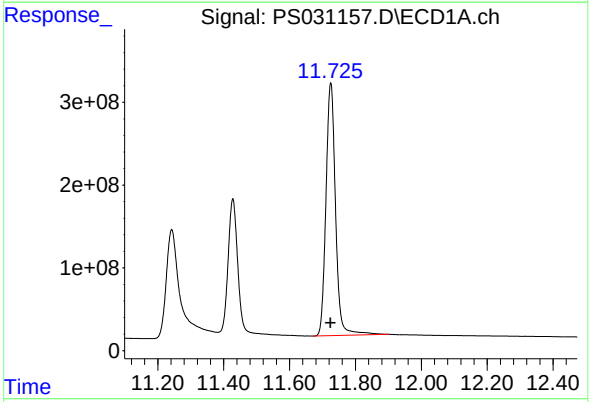
R.T.: 11.242 min
Delta R.T.: 0.004 min
Response: 3638645085
Conc: 180.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



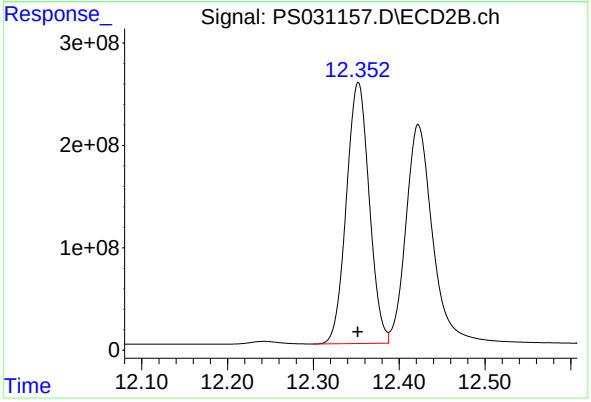
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations APPROVED

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

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

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

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

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

ICAL Form

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

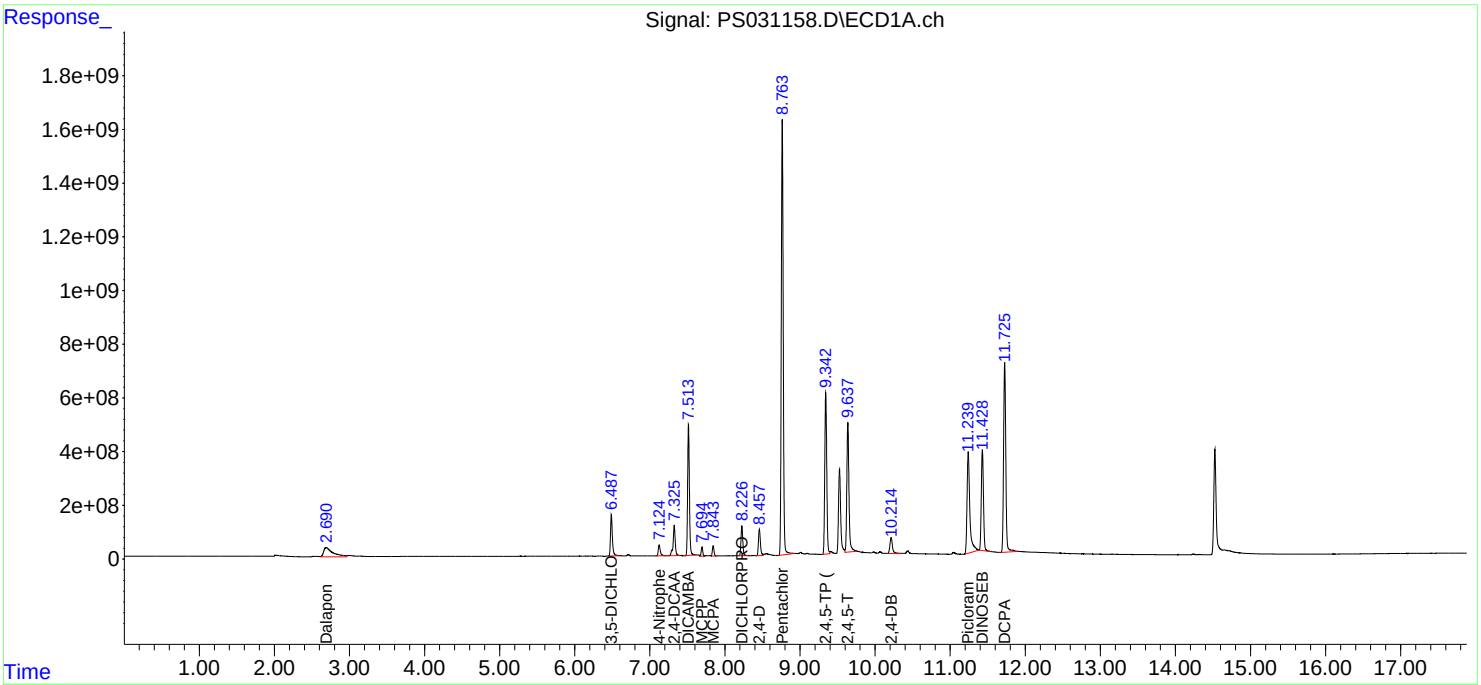
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

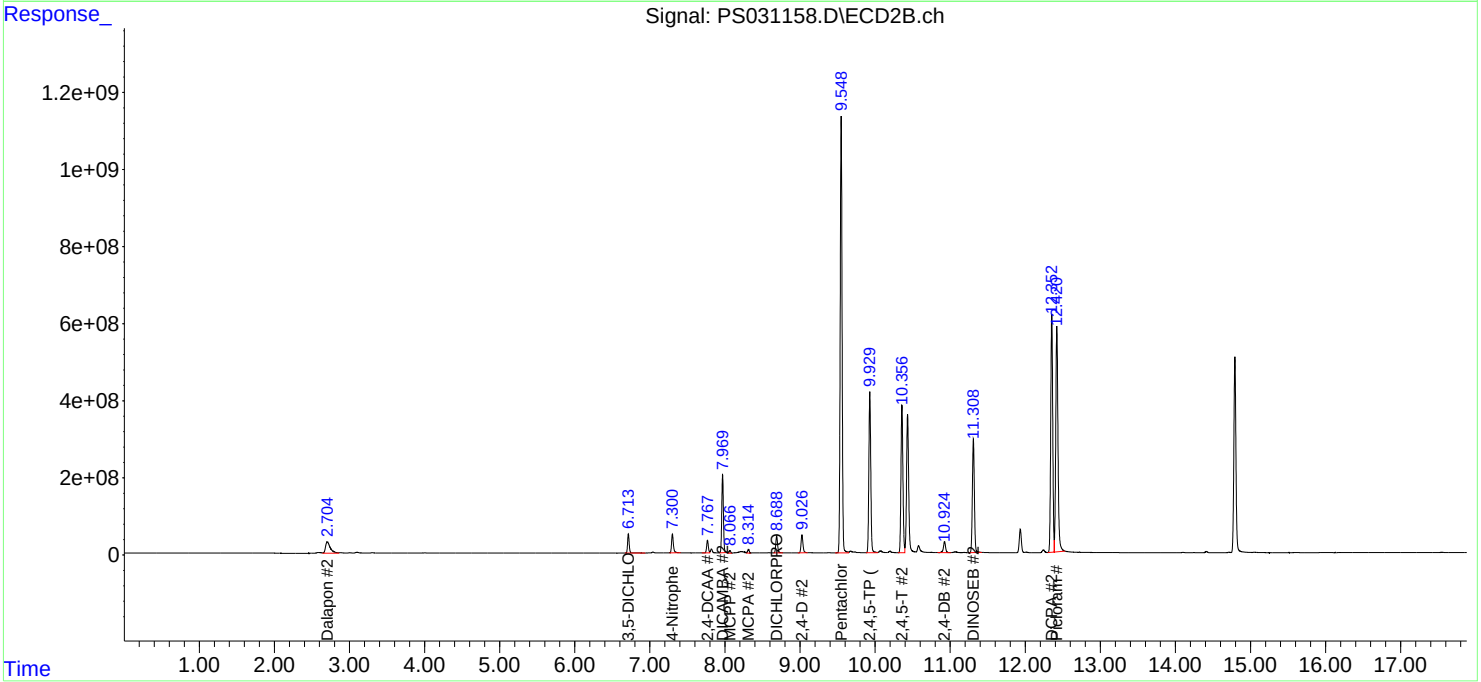
Manual Integrations APPROVED

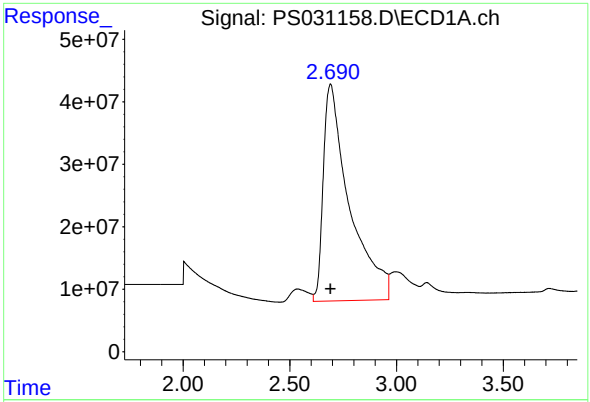
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

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

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







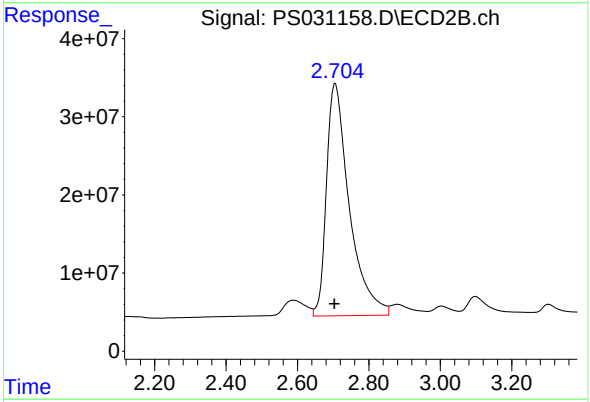
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

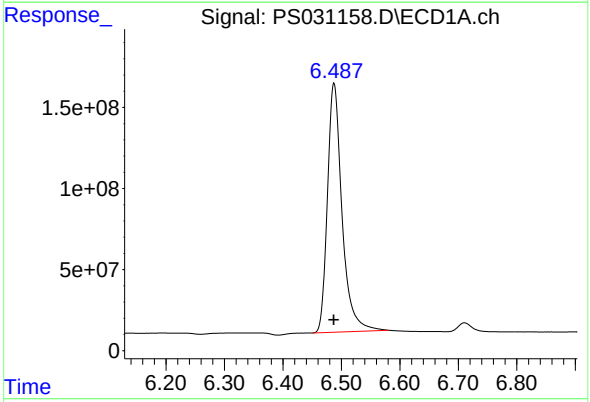
Manual Integrations APPROVED

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



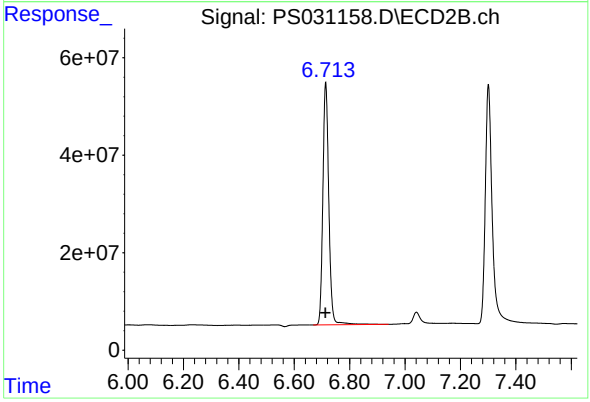
#1 Dalapon

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



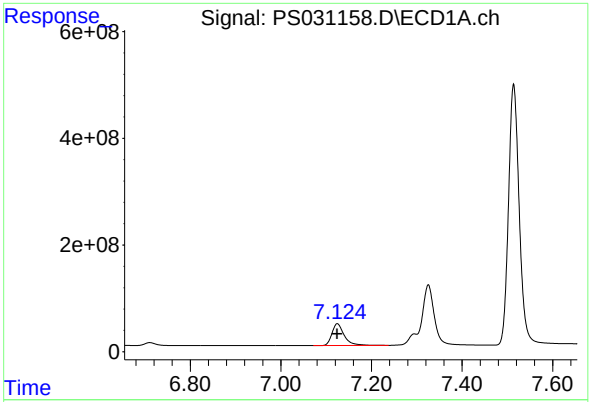
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

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



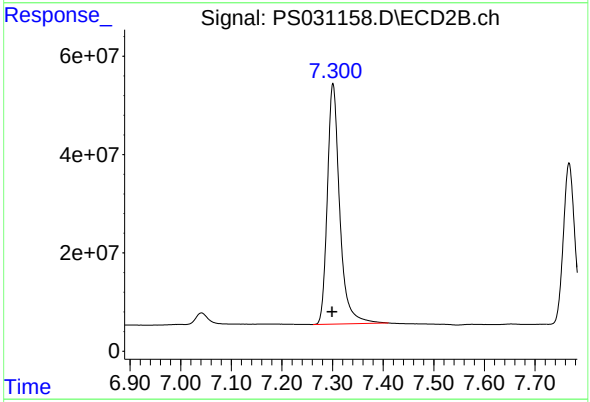
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

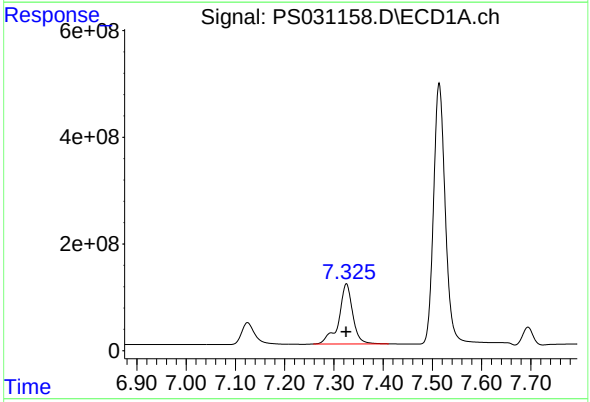
Manual Integrations APPROVED

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



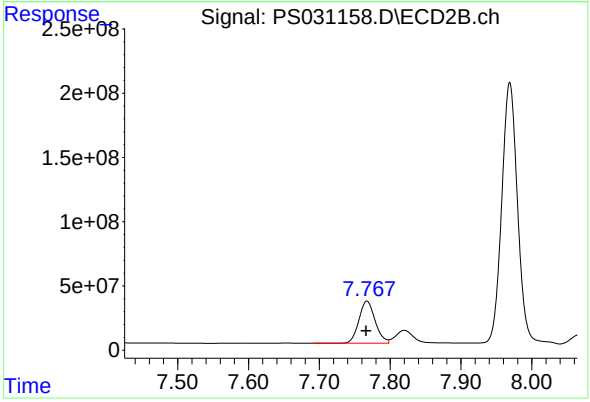
#3 4-Nitrophenol

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



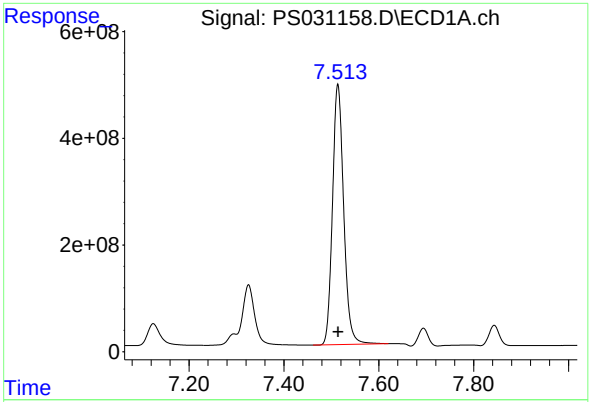
#4 2,4-DCAA

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



#4 2,4-DCAA

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



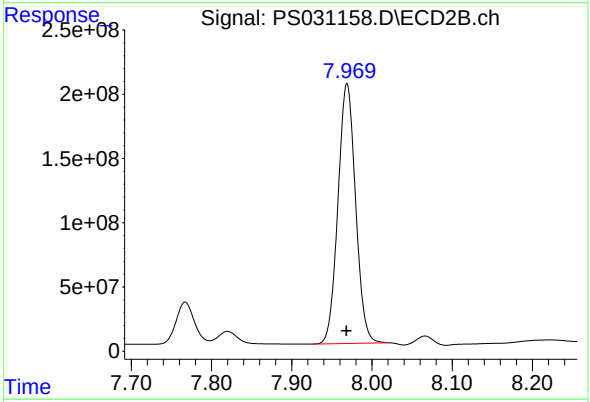
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

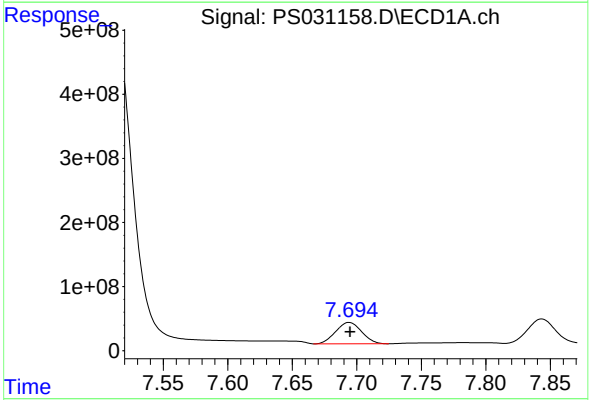
Manual Integrations APPROVED

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



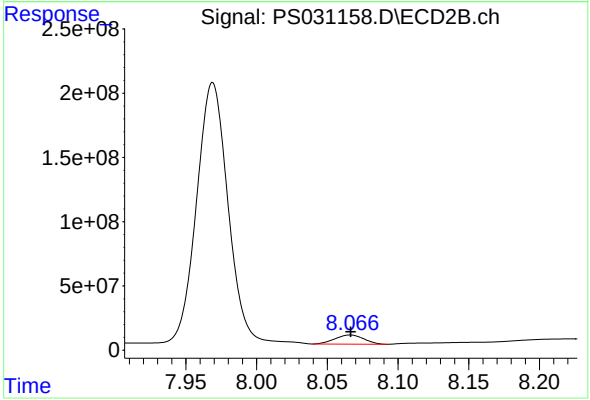
#5 DICAMBA

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



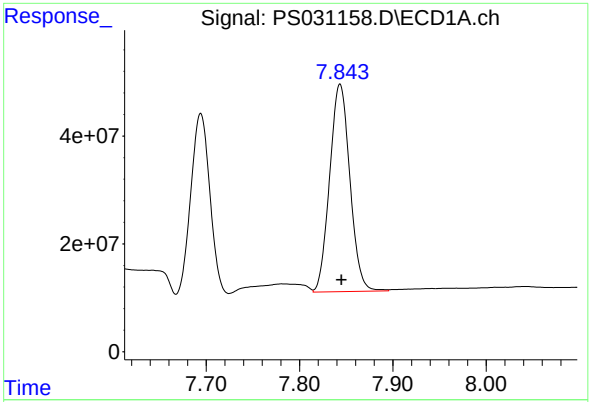
#6 MCPP

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



#6 MCPP

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



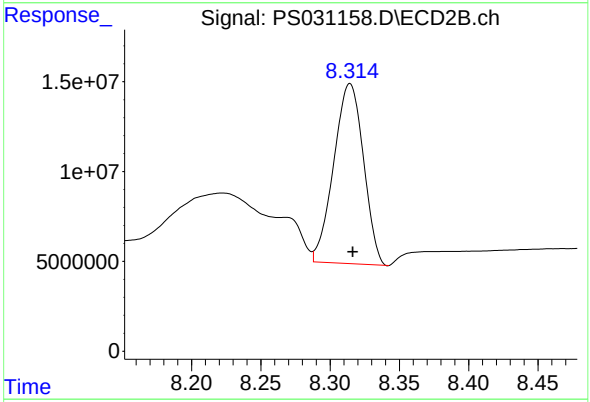
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

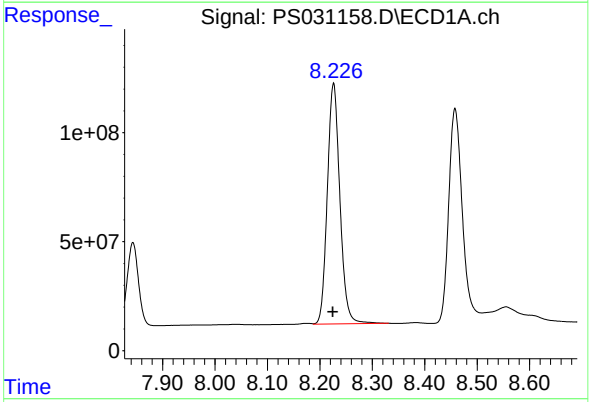
Manual Integrations APPROVED

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



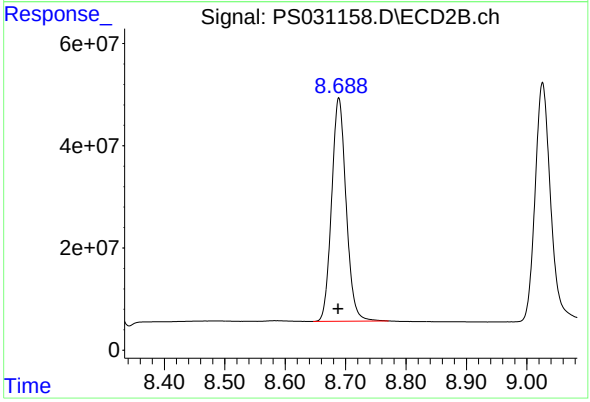
#7 MCPA

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



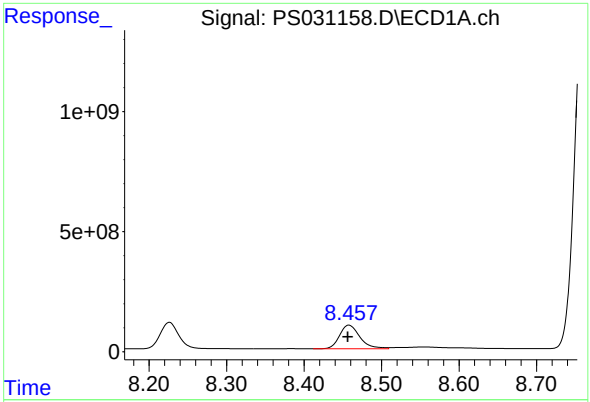
#8 DICHLORPROP

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



#8 DICHLORPROP

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



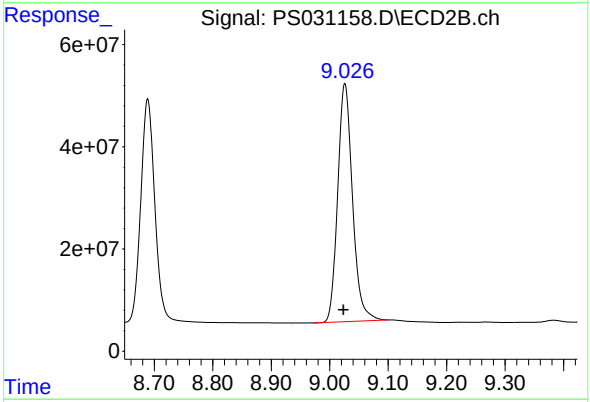
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

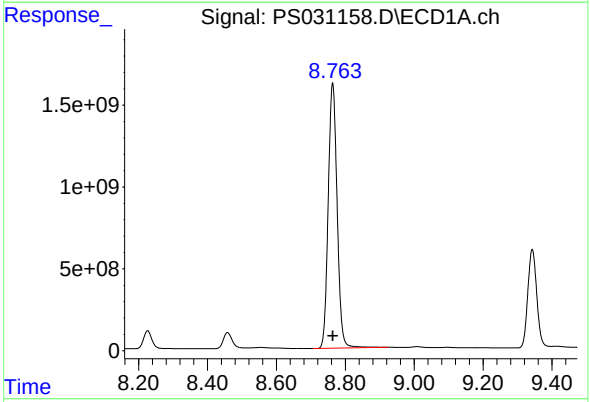
Manual Integrations APPROVED

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



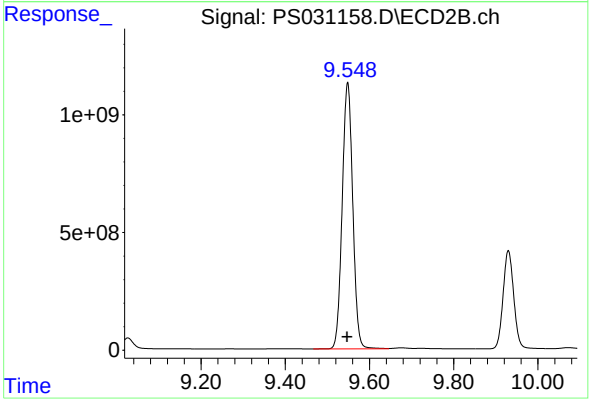
#9 2,4-D

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



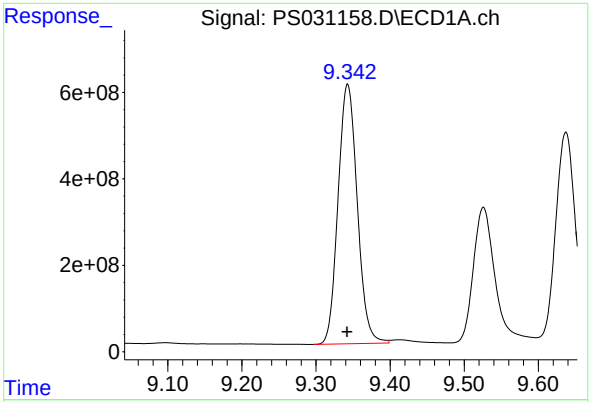
#10 Pentachlorophenol

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



#10 Pentachlorophenol

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



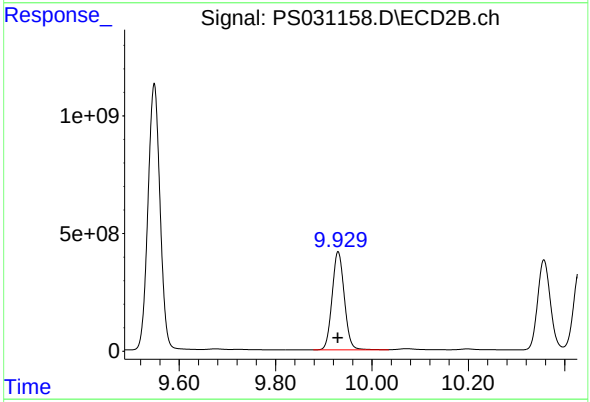
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

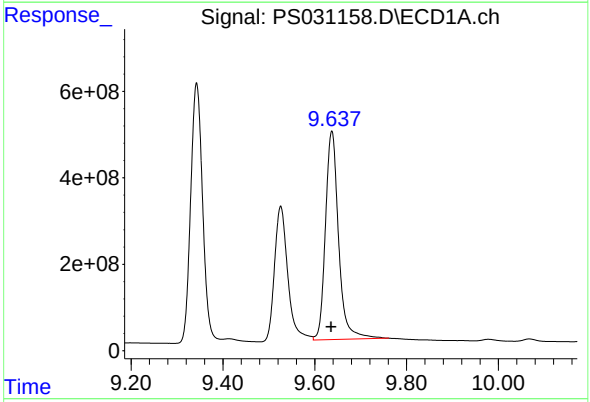
Manual Integrations APPROVED

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



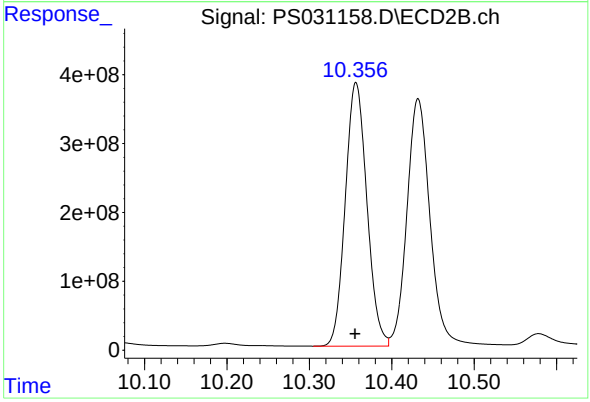
#11 2,4,5-TP (SILVEX)

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



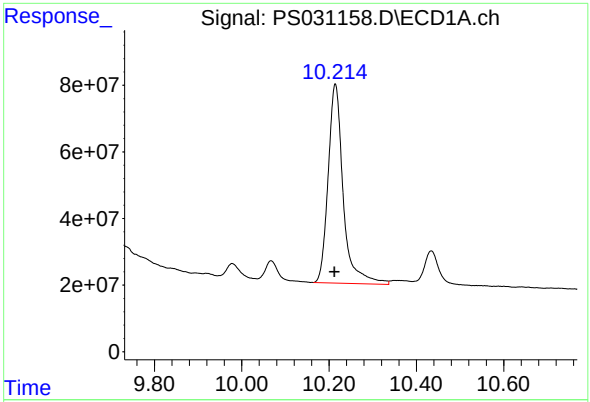
#12 2,4,5-T

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



#12 2,4,5-T

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



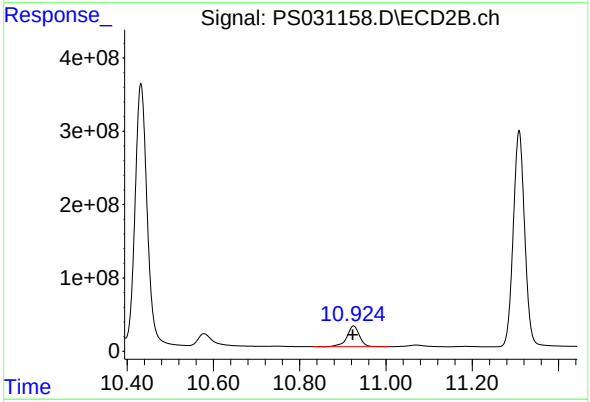
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

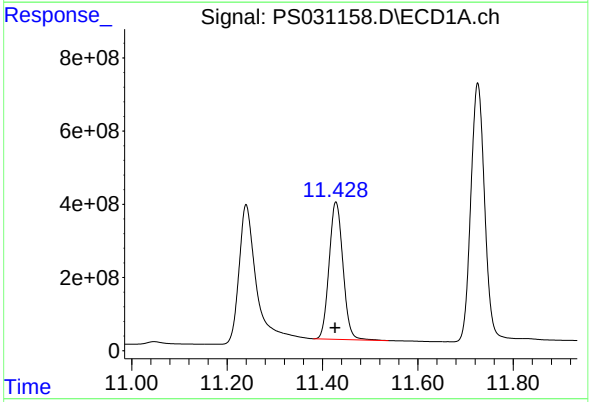
Manual Integrations APPROVED

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



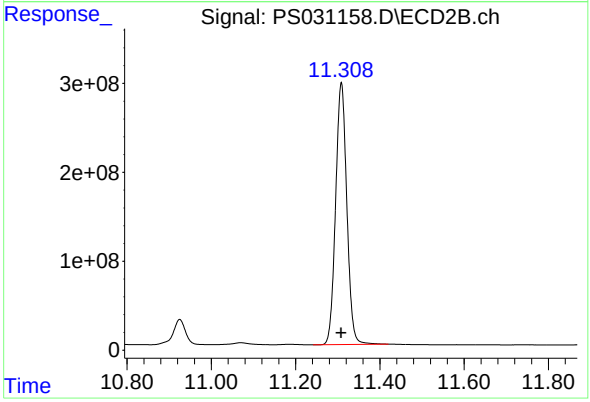
#13 2,4-DB

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



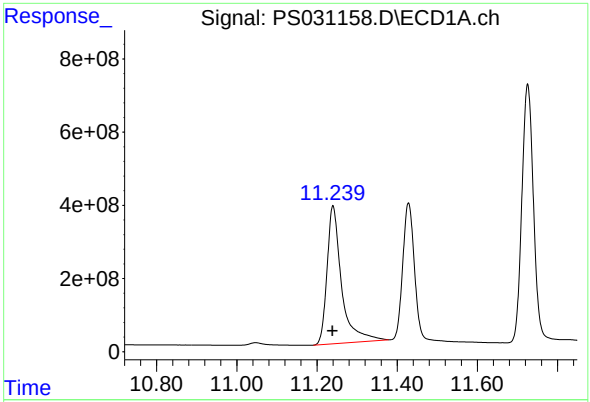
#14 DINOSEB

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



#14 DINOSEB

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



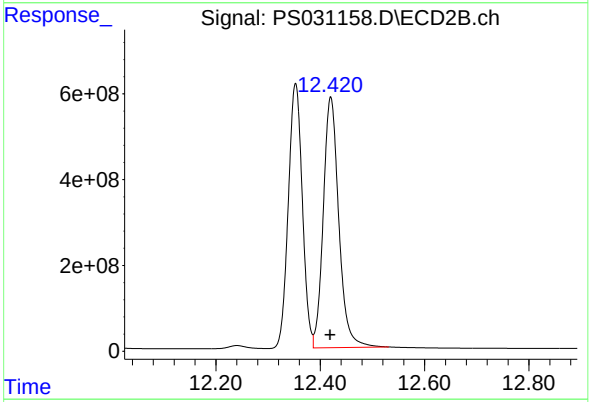
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

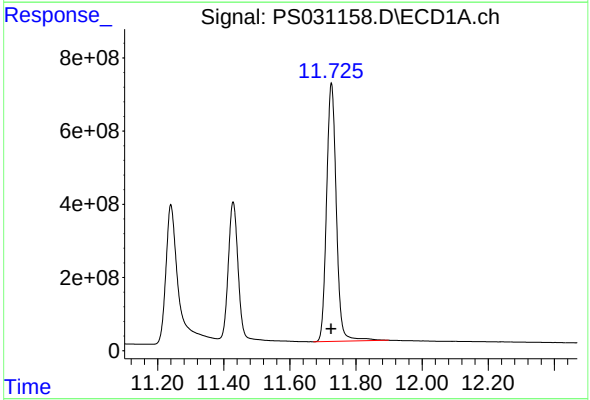
Manual Integrations APPROVED

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



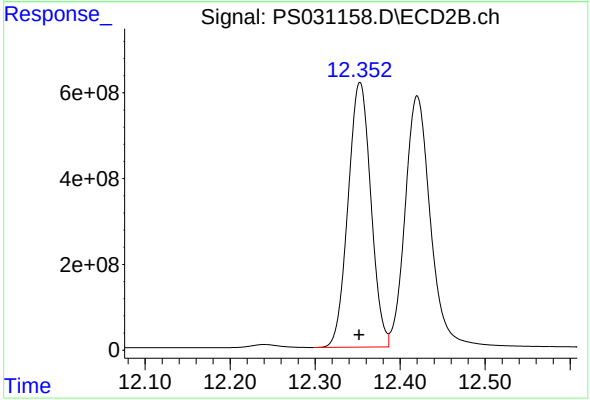
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

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

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

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

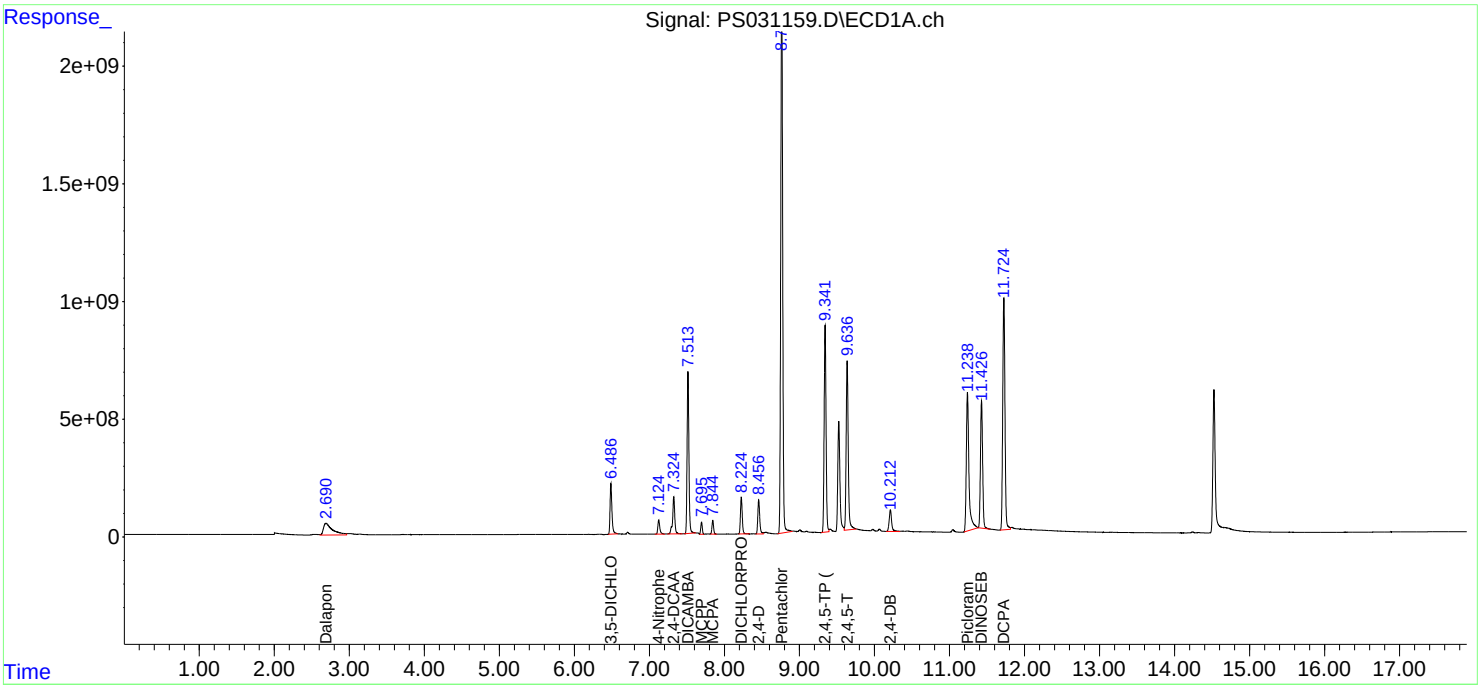
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

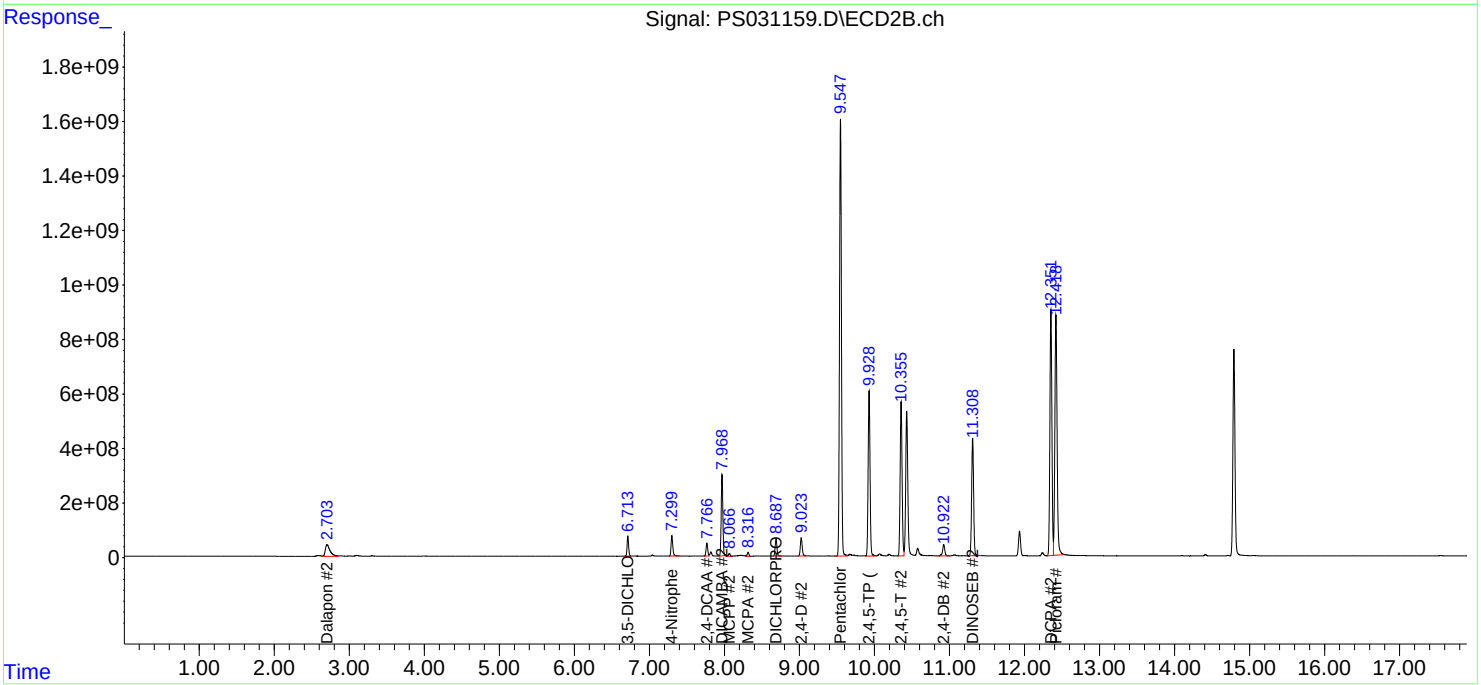
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031159.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:51
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

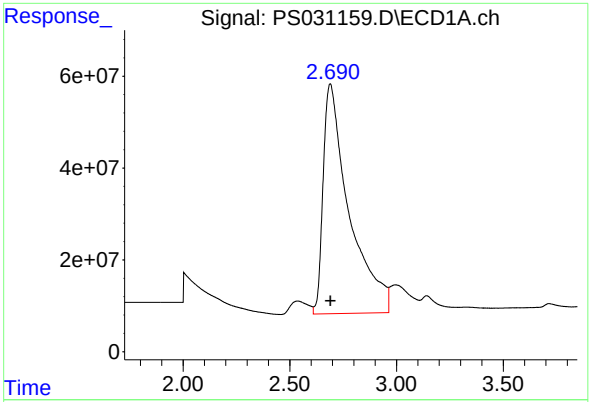
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

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

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



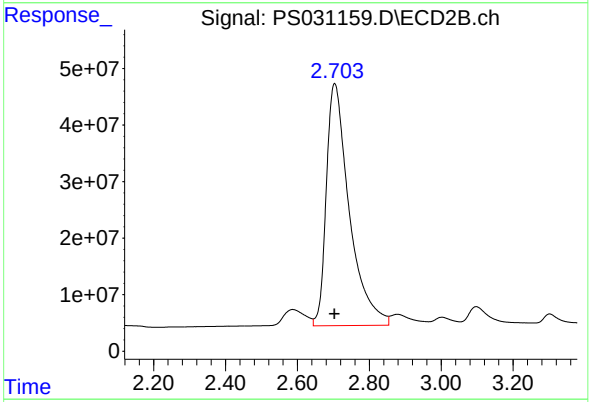




#1 Dalapon

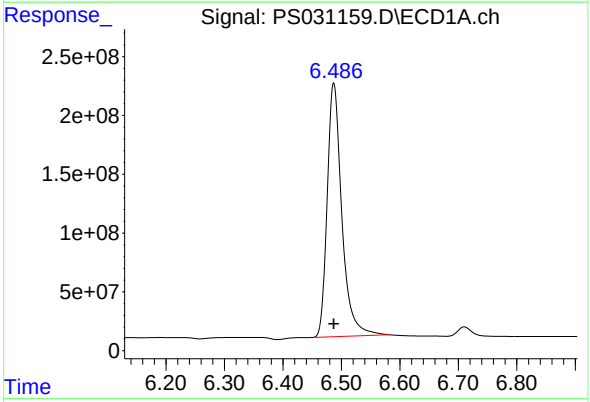
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 4224012852
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



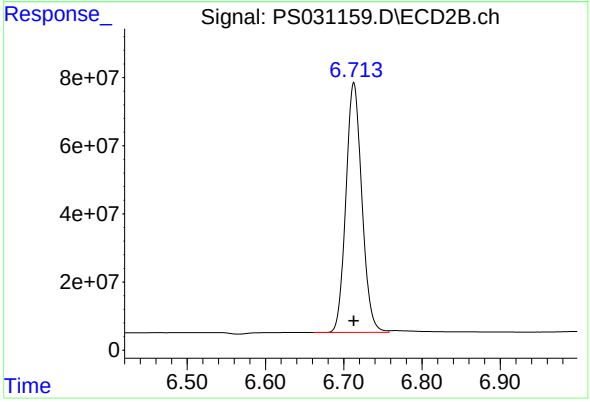
#1 Dalapon

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



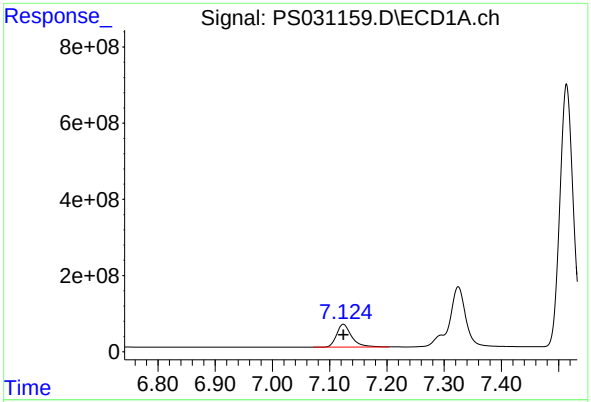
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

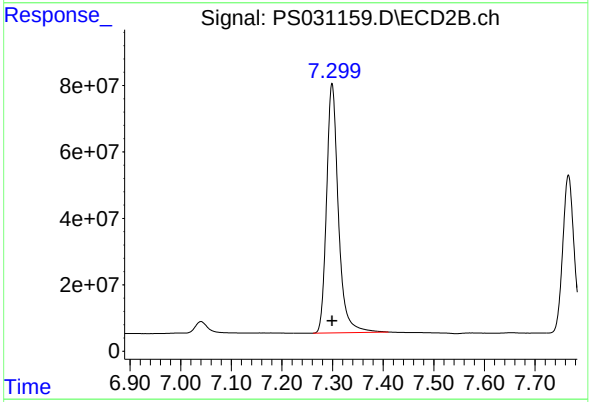
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1039212665
Conc: 697.50 ng/ml



#3 4-Nitrophenol

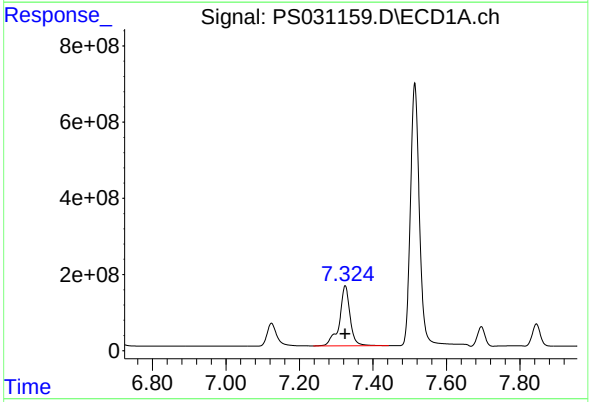
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1095621662
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



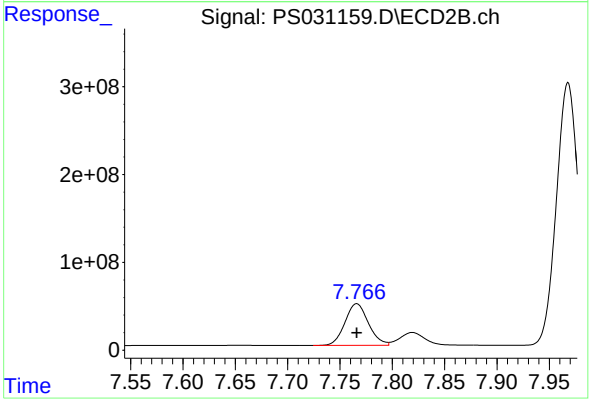
#3 4-Nitrophenol

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



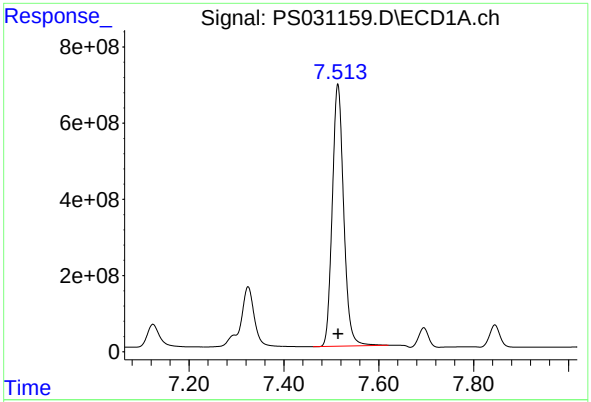
#4 2,4-DCAA

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



#4 2,4-DCAA

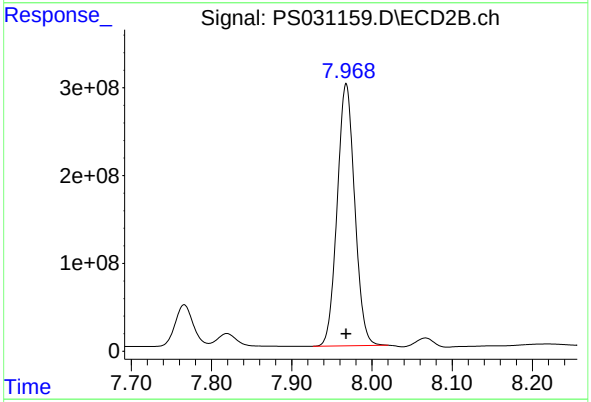
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 741295289
Conc: 750.00 ng/ml



#5 DICAMBA

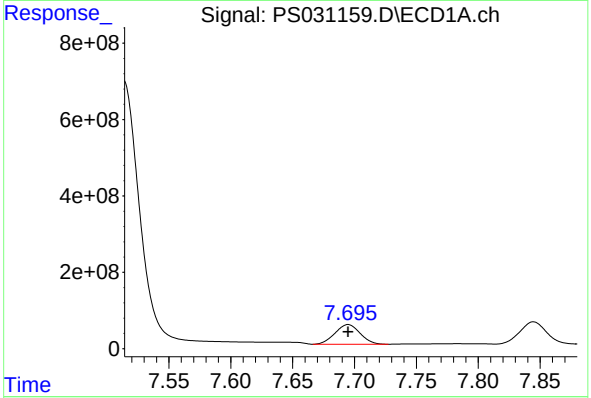
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 11470202403
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



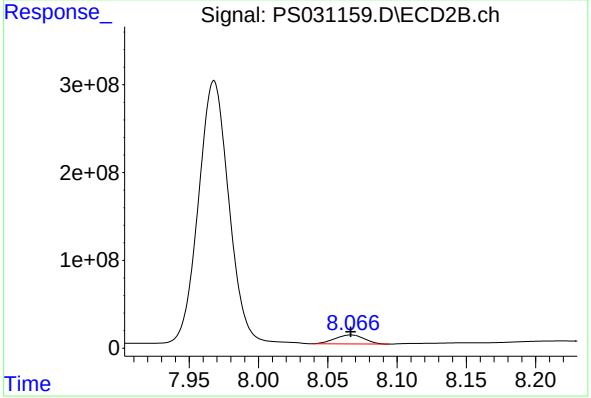
#5 DICAMBA

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



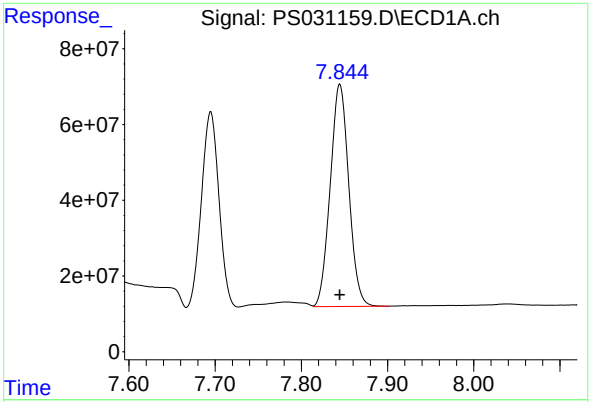
#6 MCPP

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



#6 MCPP

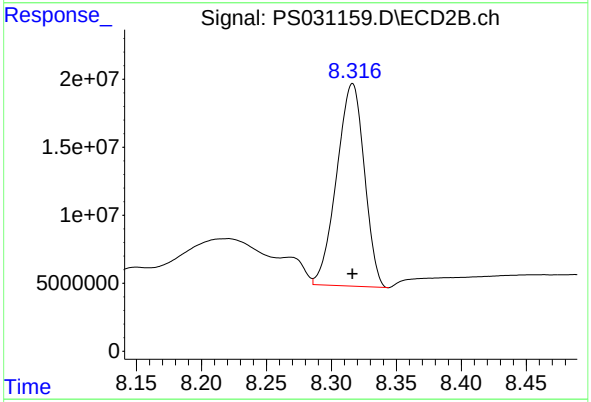
R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 150759642
Conc: 70.50 ug/ml



#7 MCPA

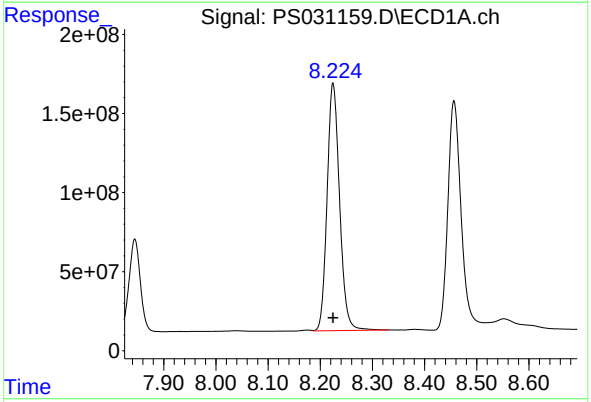
R.T.: 7.845 min
Delta R.T.: 0.000 min
Response: 877165270
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



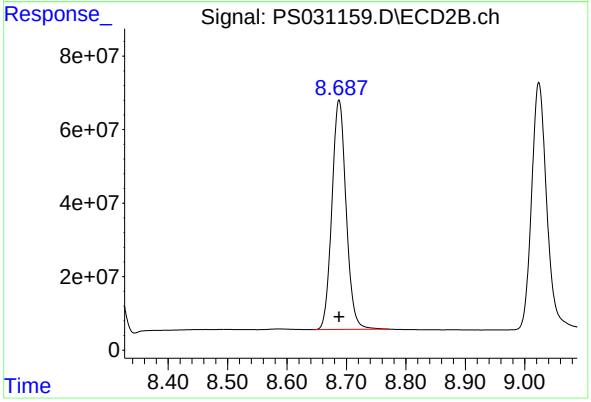
#7 MCPA

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



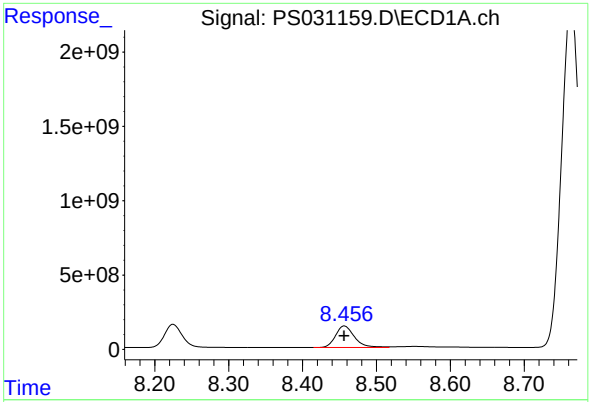
#8 DICHLORPROP

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



#8 DICHLORPROP

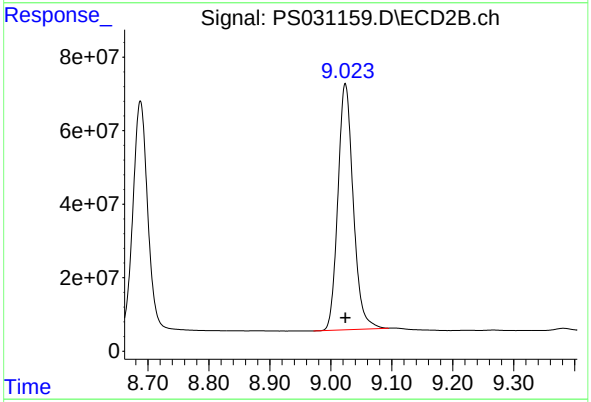
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1038723007
Conc: 705.00 ng/ml



#9 2,4-D

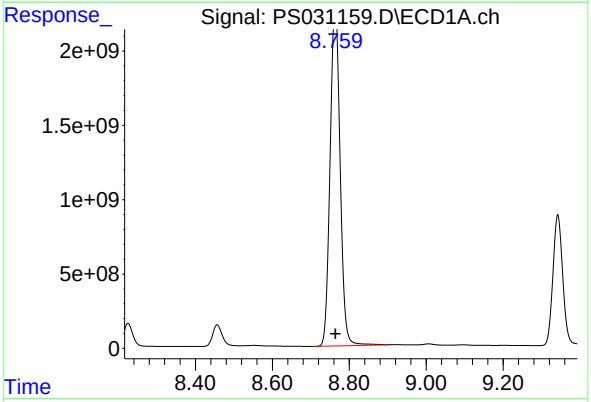
R.T.: 8.456 min
Delta R.T.: 0.000 min
Response: 2576397088
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



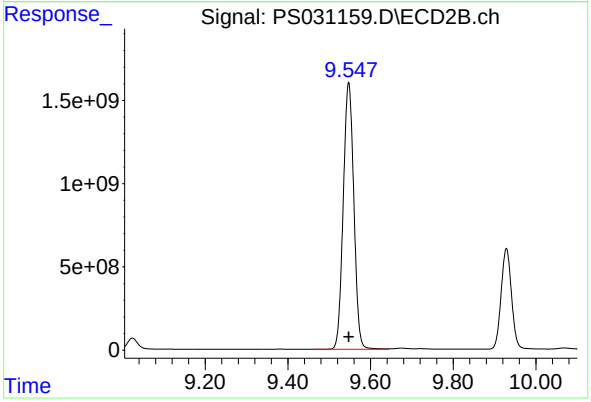
#9 2,4-D

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



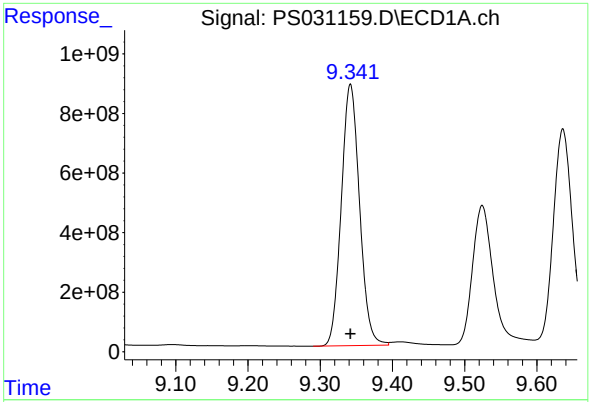
#10 Pentachlorophenol

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



#10 Pentachlorophenol

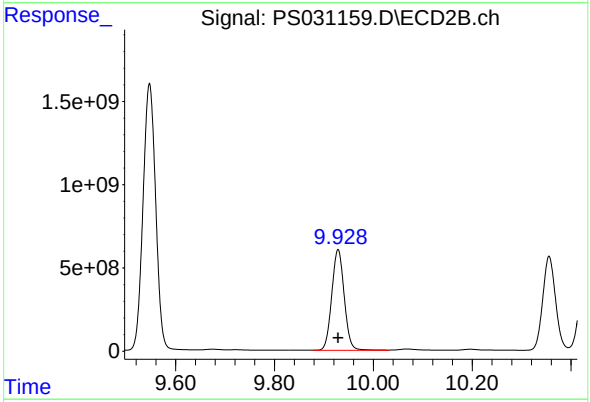
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 28472689879
Conc: 712.50 ng/ml



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

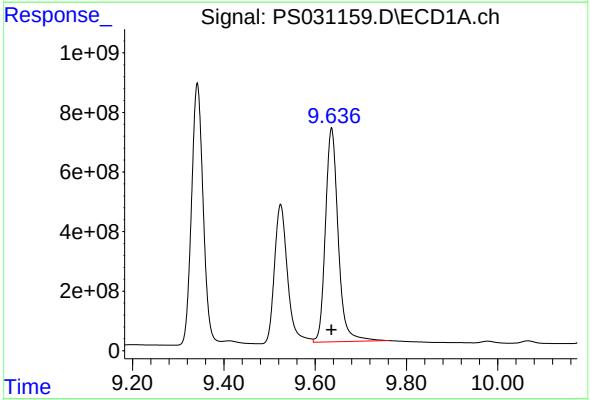
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 15417581775
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



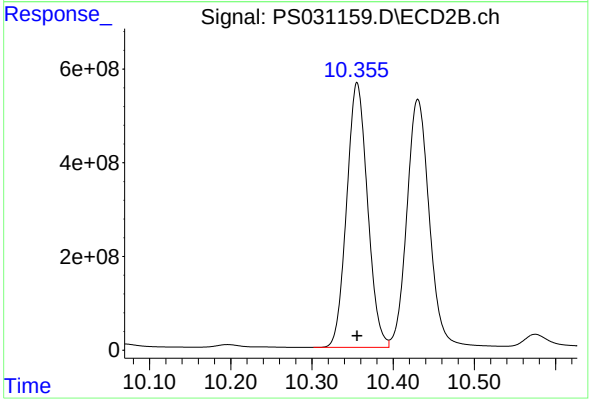
#11 2,4,5-TP (SILVEX)

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



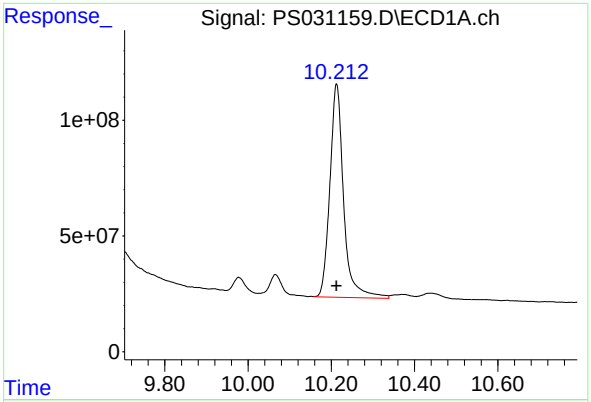
#12 2,4,5-T

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



#12 2,4,5-T

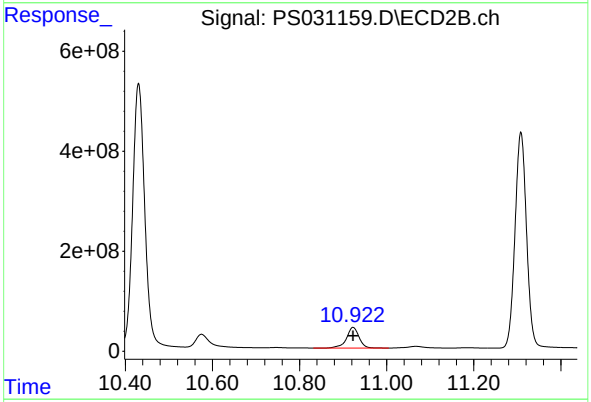
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 10086489003
Conc: 712.50 ng/ml



#13 2,4-DB

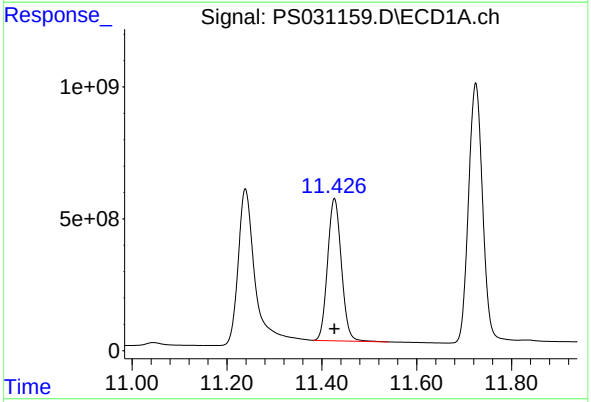
R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 2110870159
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



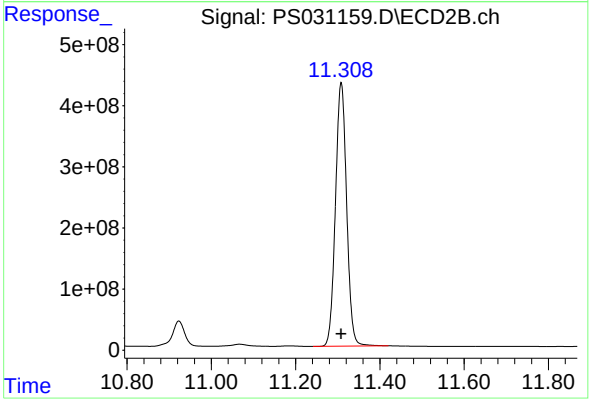
#13 2,4-DB

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



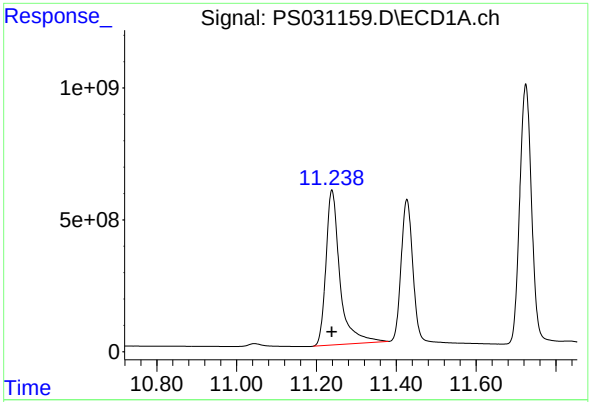
#14 DINOSEB

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



#14 DINOSEB

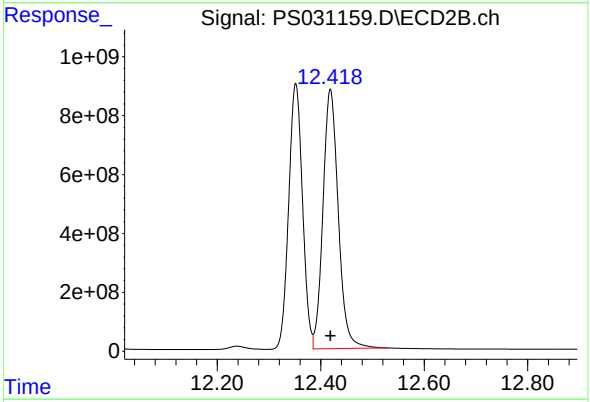
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 7928284747
Conc: 705.00 ng/ml



#15 Picloram

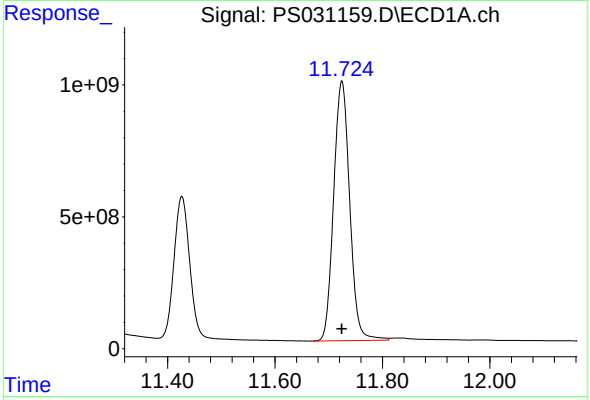
R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 14344036300
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



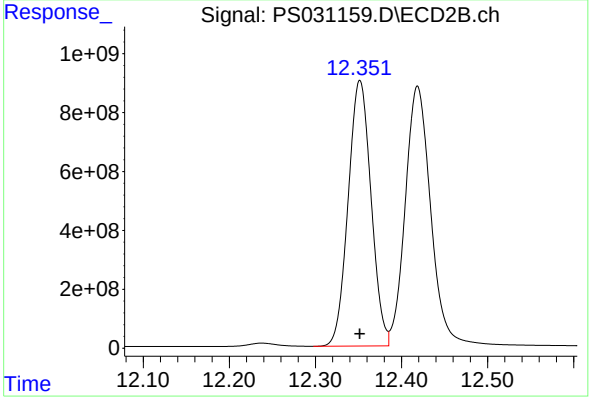
#15 Picloram

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)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

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

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

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

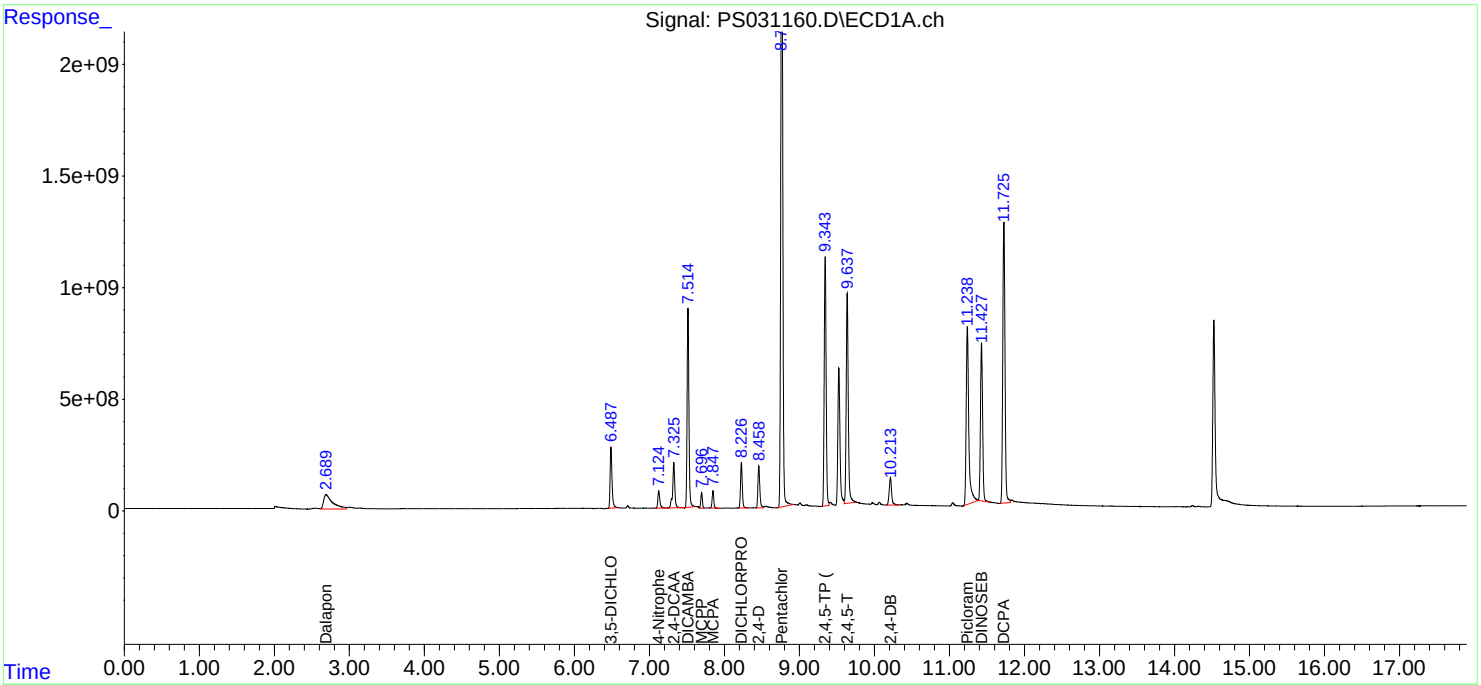
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

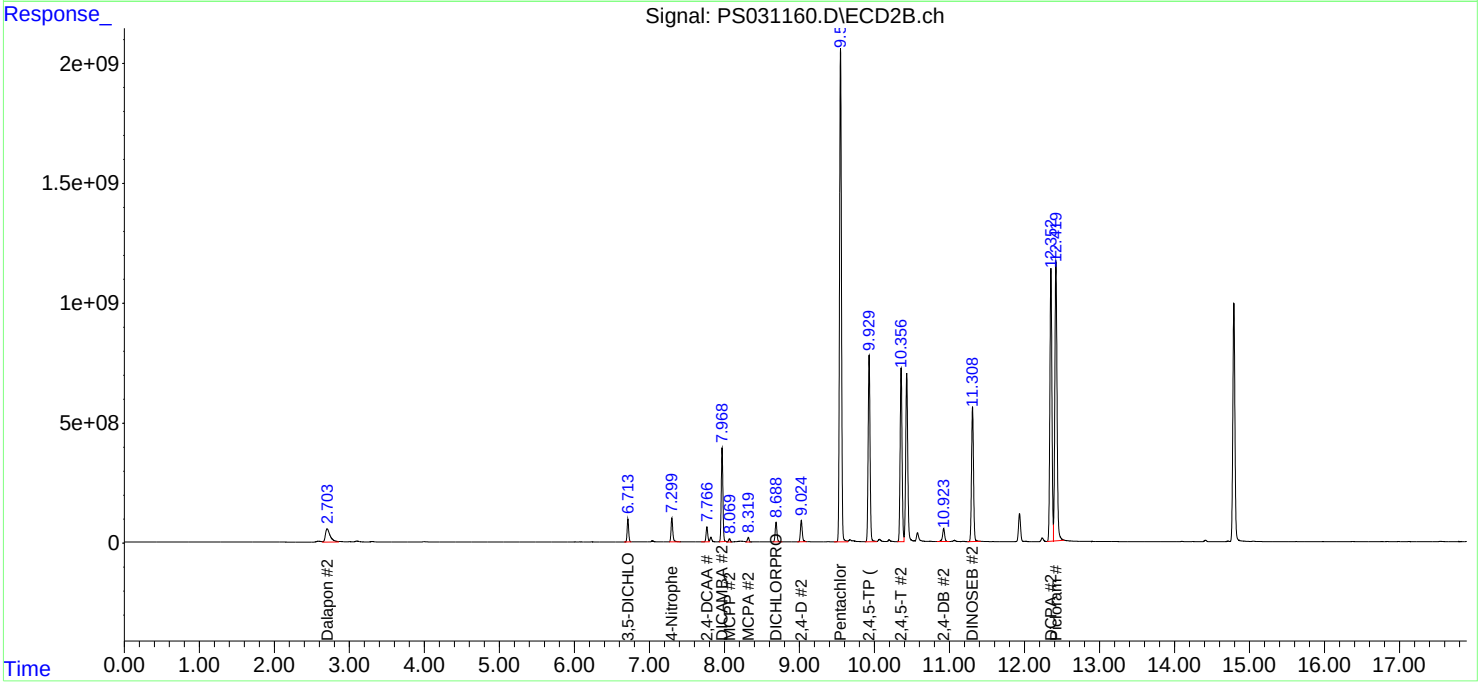
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031160.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:15
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

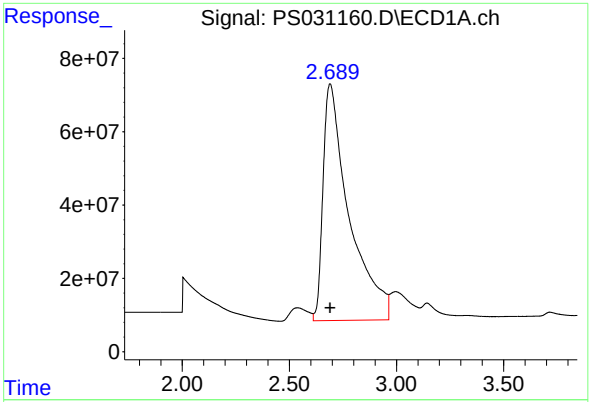
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

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

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



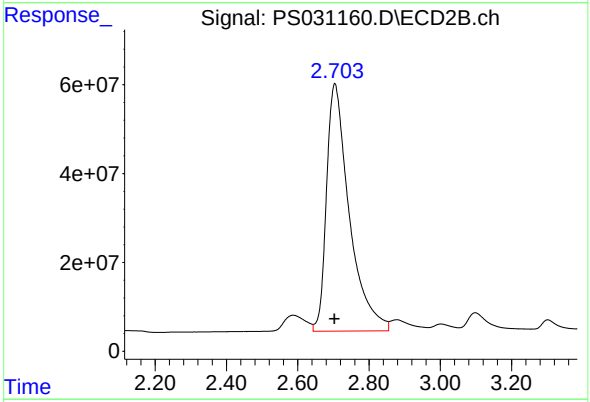




#1 Dalapon

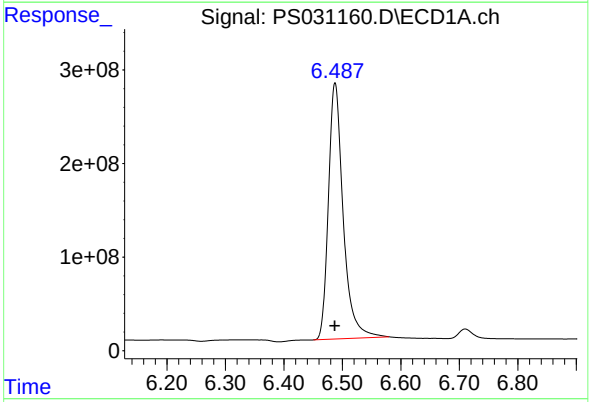
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 5453482387
Conc: 881.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



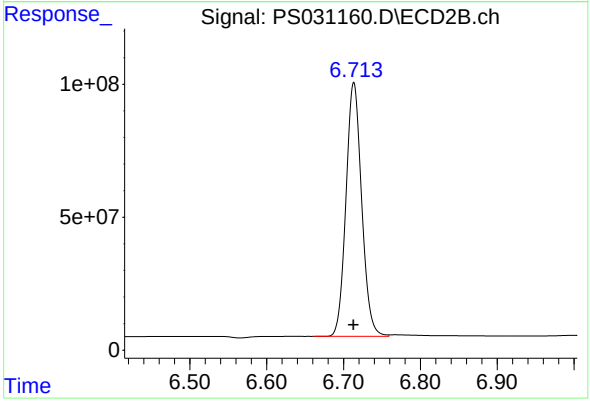
#1 Dalapon

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



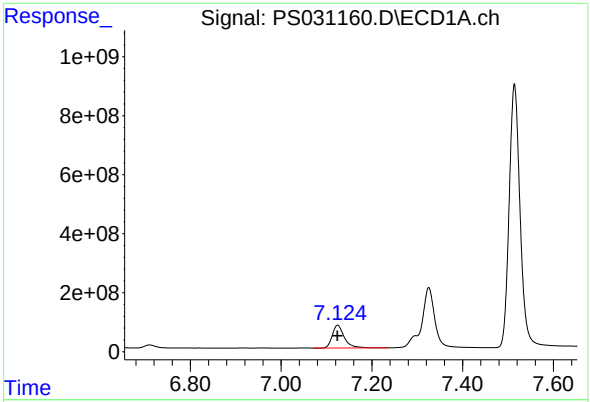
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

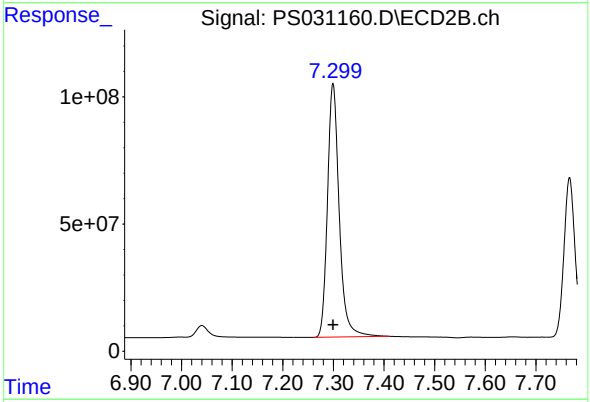
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1352413139
Conc: 907.71 ng/ml



#3 4-Nitrophenol

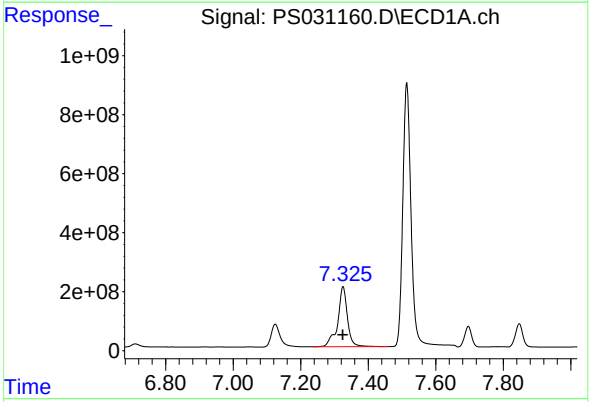
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1421384436
Conc: 885.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



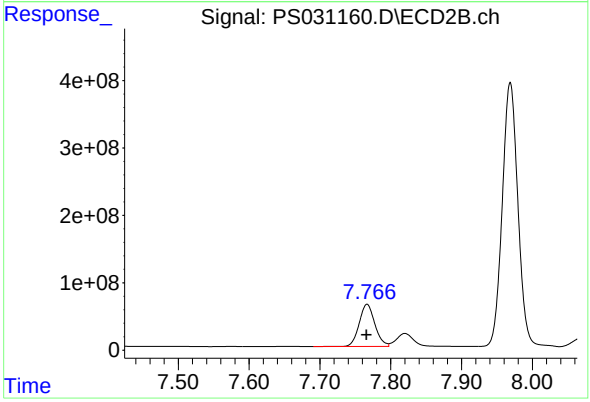
#3 4-Nitrophenol

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



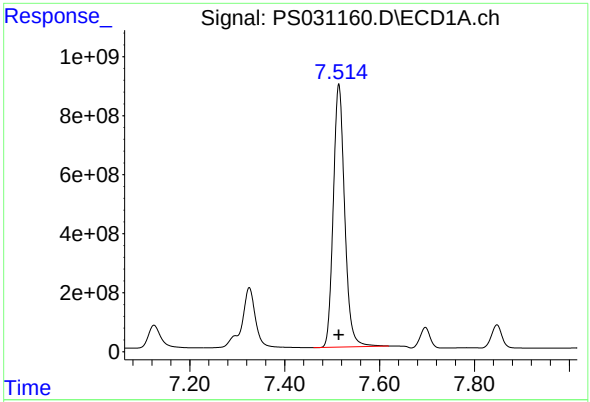
#4 2,4-DCAA

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



#4 2,4-DCAA

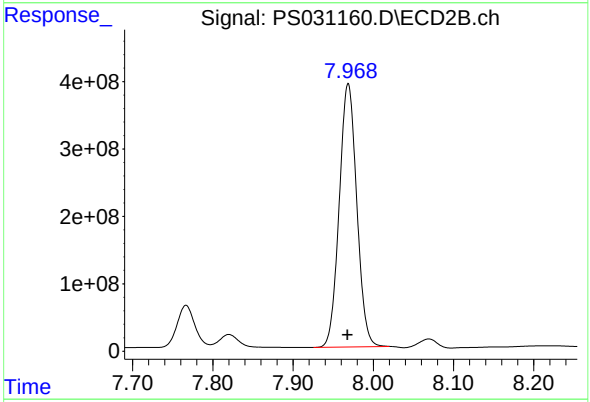
R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 963100505
Conc: 974.41 ng/ml



#5 DICAMBA

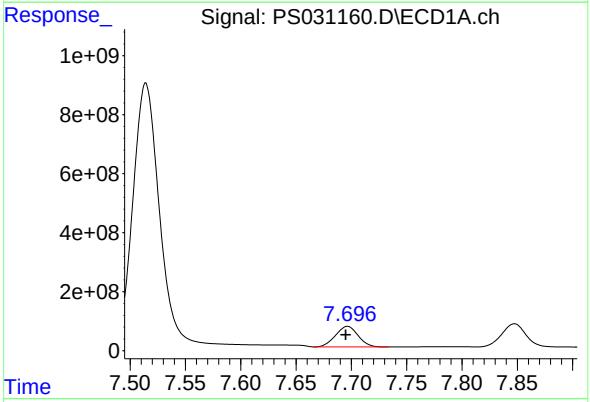
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 14832958607
Conc: 911.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



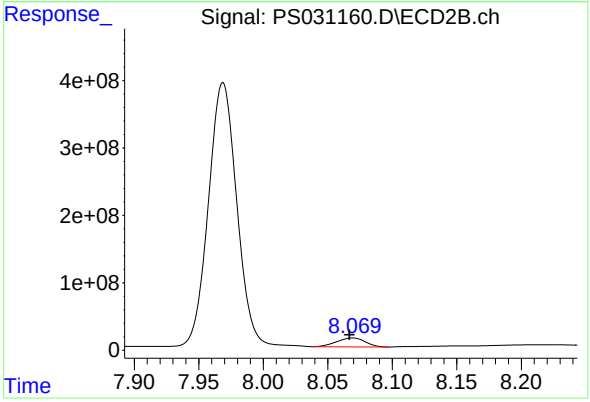
#5 DICAMBA

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



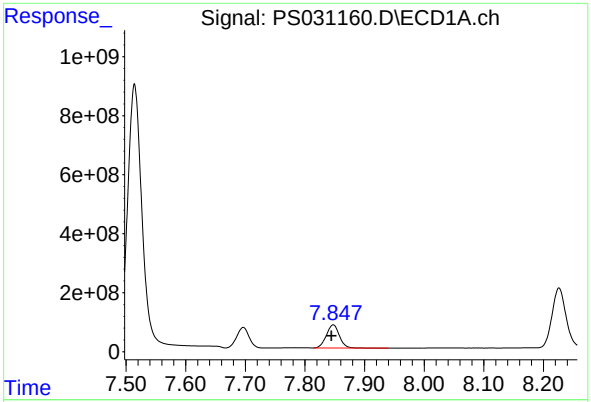
#6 MCPP

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



#6 MCPP

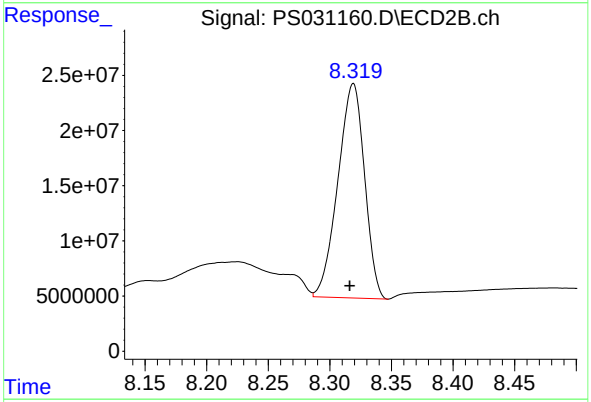
R.T.: 8.069 min
Delta R.T.: 0.003 min
Response: 202250812
Conc: 94.58 ug/ml



#7 MCPA

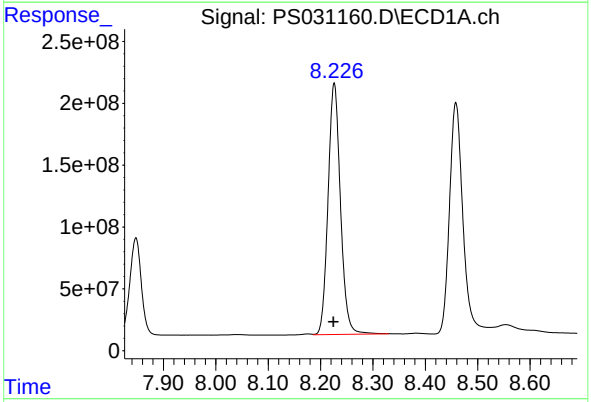
R.T.: 7.847 min
Delta R.T.: 0.003 min
Response: 1186681895
Conc: 94.36 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



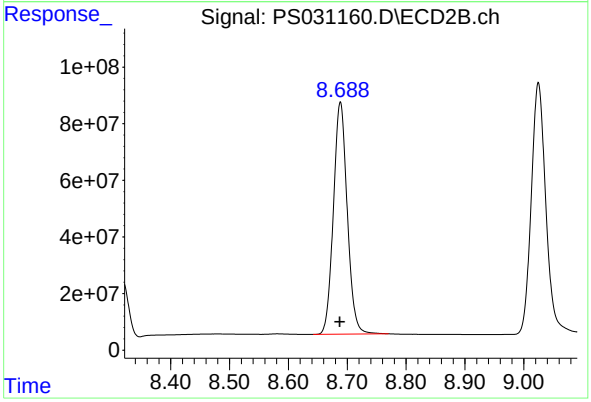
#7 MCPA

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



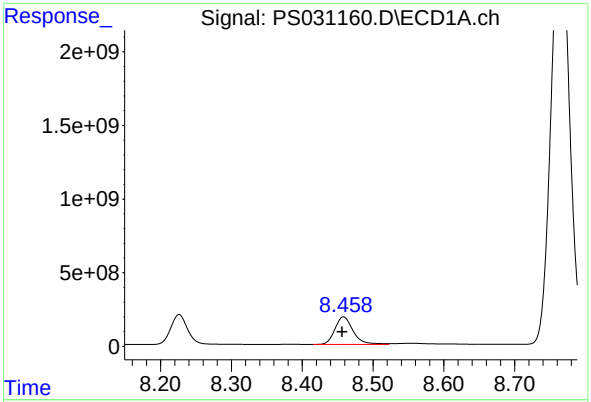
#8 DICHLORPROP

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



#8 DICHLORPROP

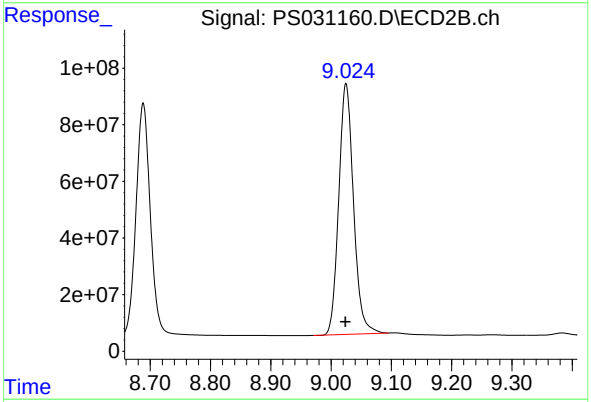
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1341135683
Conc: 910.25 ng/ml



#9 2,4-D

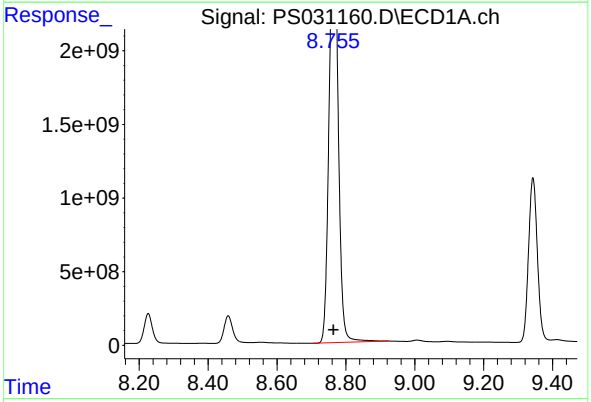
R.T.: 8.458 min
Delta R.T.: 0.002 min
Response: 3339344621
Conc: 913.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



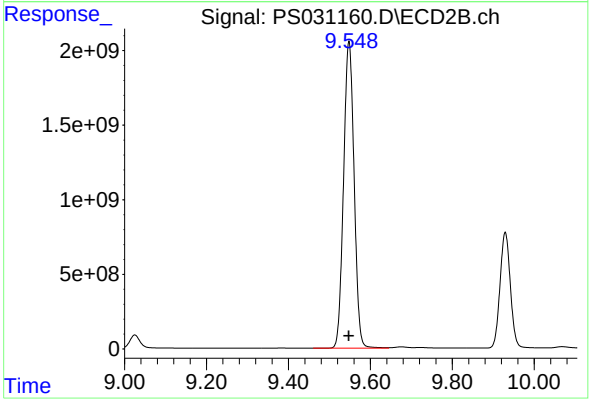
#9 2,4-D

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



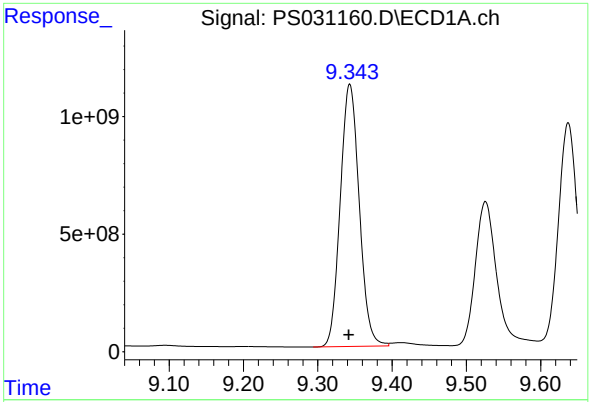
#10 Pentachlorophenol

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



#10 Pentachlorophenol

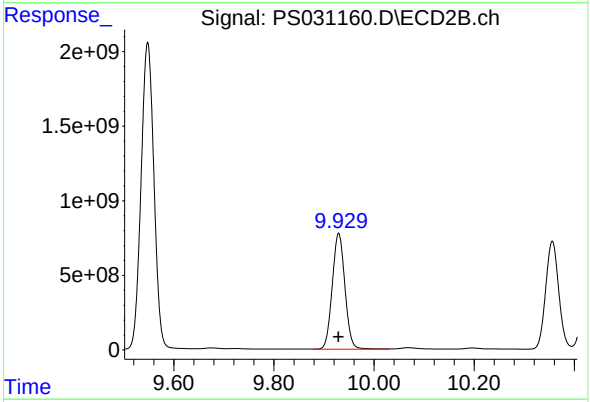
R.T.: 9.548 min
Delta R.T.: 0.000 min
Response: 36703311197
Conc: 918.46 ng/ml



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

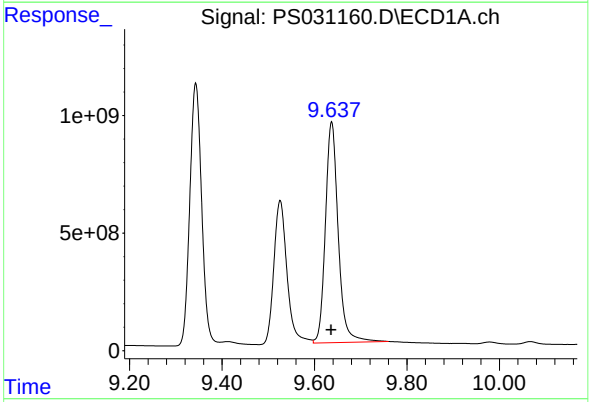
R.T.: 9.343 min
Delta R.T.: 0.001 min
Response: 19814320460
Conc: 915.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



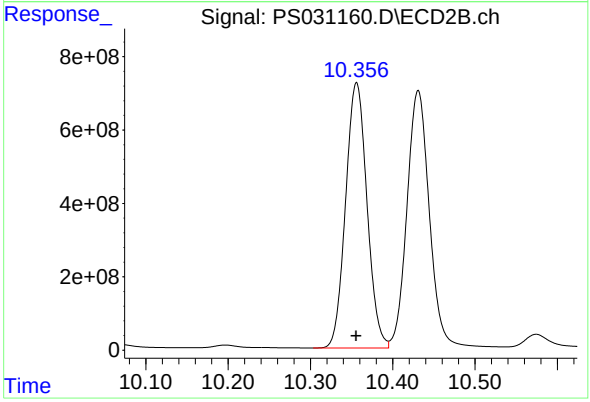
#11 2,4,5-TP (SILVEX)

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



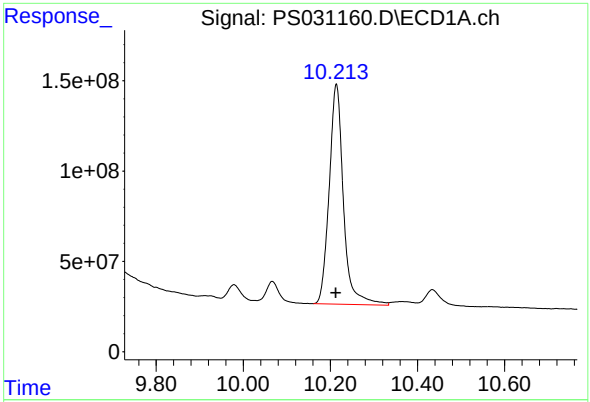
#12 2,4,5-T

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



#12 2,4,5-T

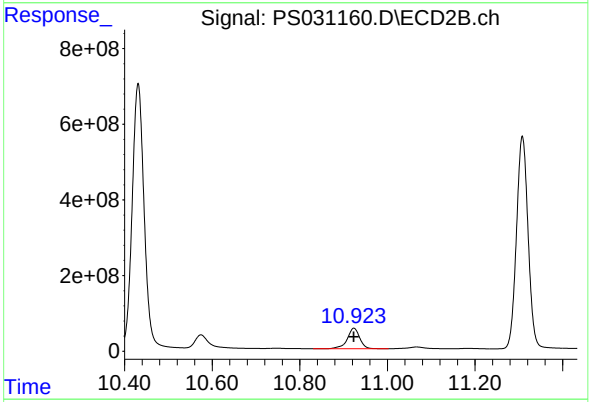
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 13055215548
Conc: 922.21 ng/ml



#13 2,4-DB

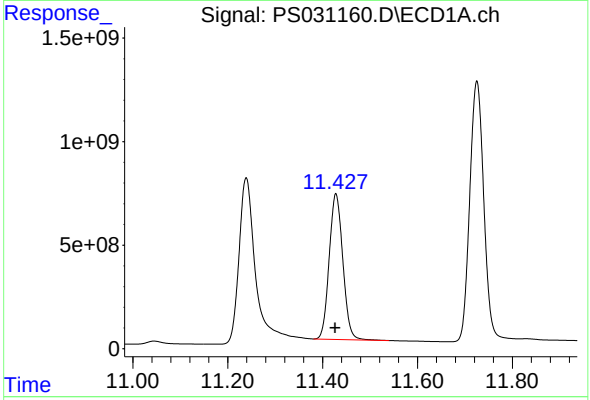
R.T.: 10.214 min
Delta R.T.: 0.001 min
Response: 2771712245
Conc: 935.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



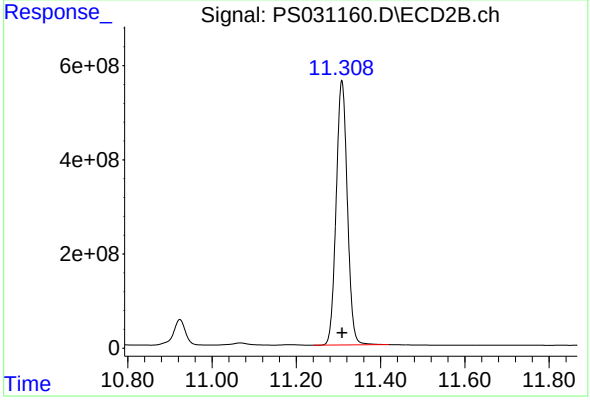
#13 2,4-DB

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



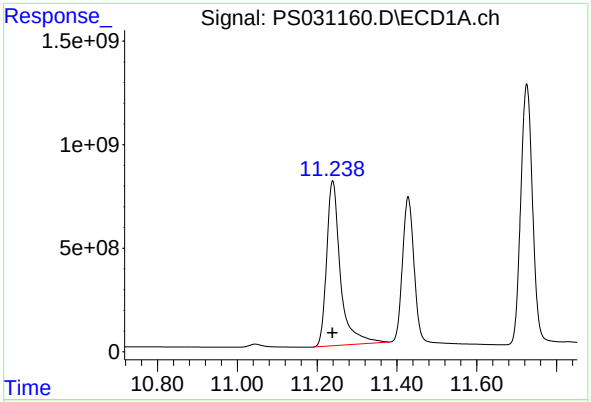
#14 DINOSEB

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



#14 DINOSEB

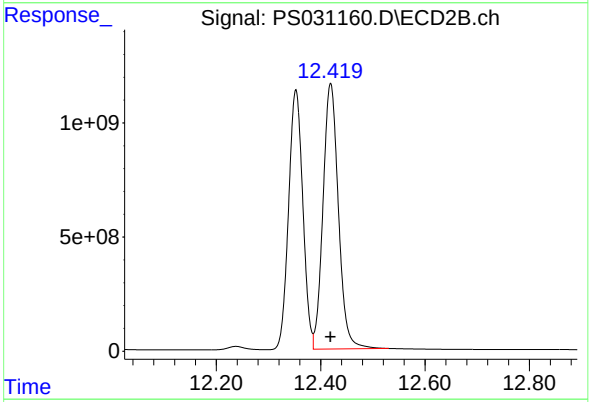
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 10337937996
Conc: 919.27 ng/ml



#15 Picloram

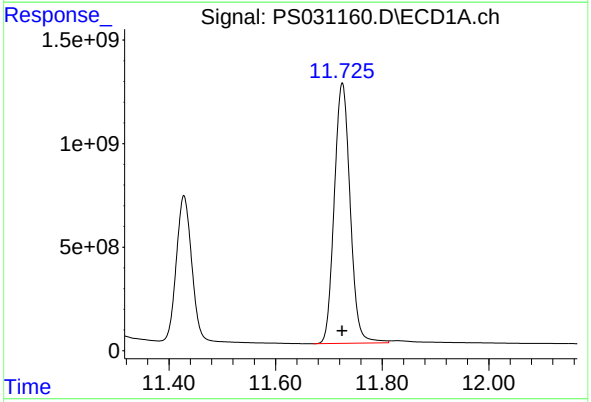
R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 19111405619
Conc: 949.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



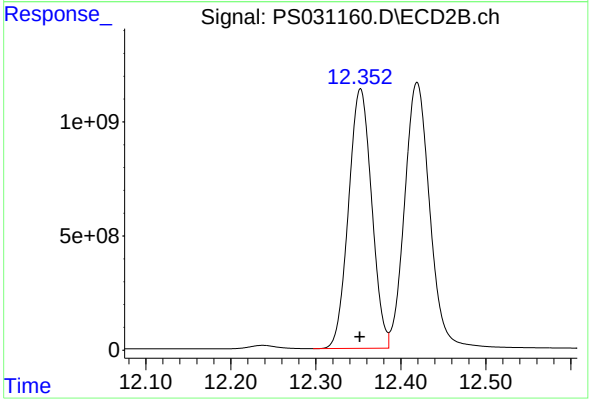
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

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

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

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

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

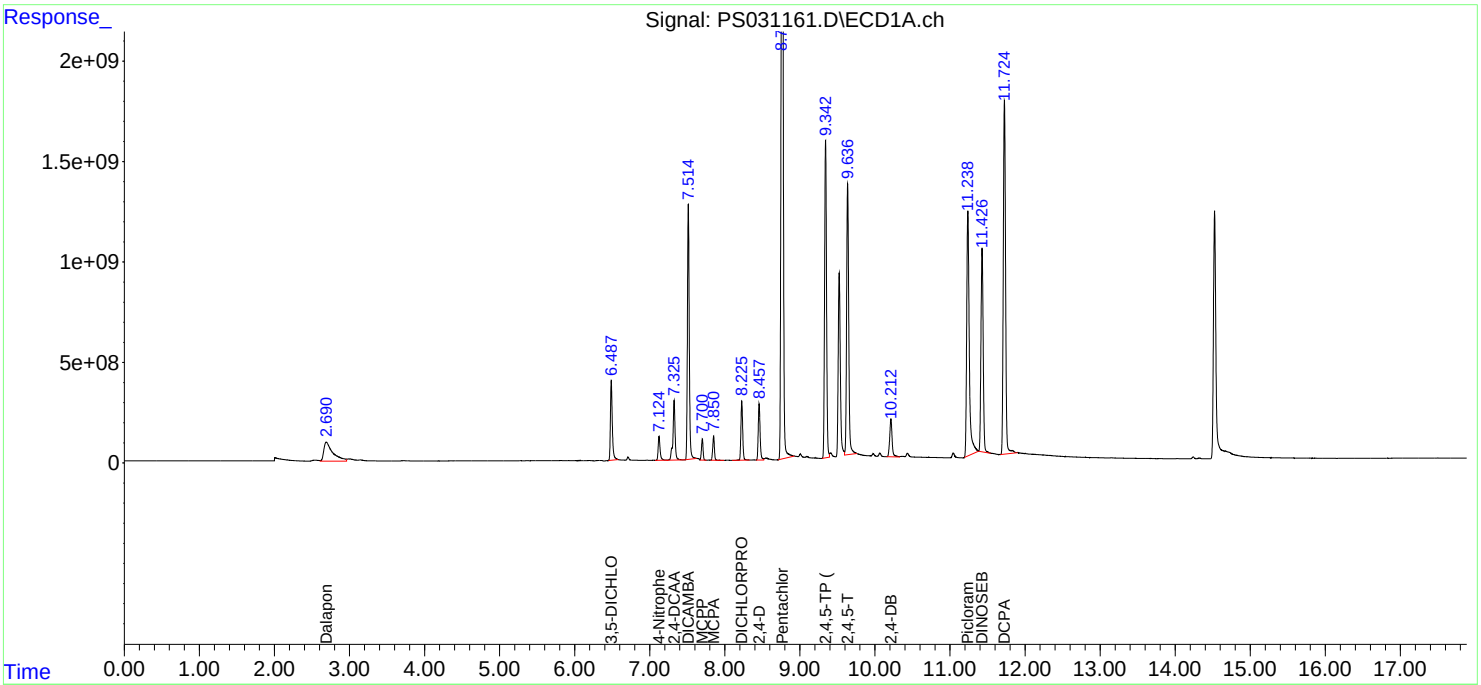
ICAL Form

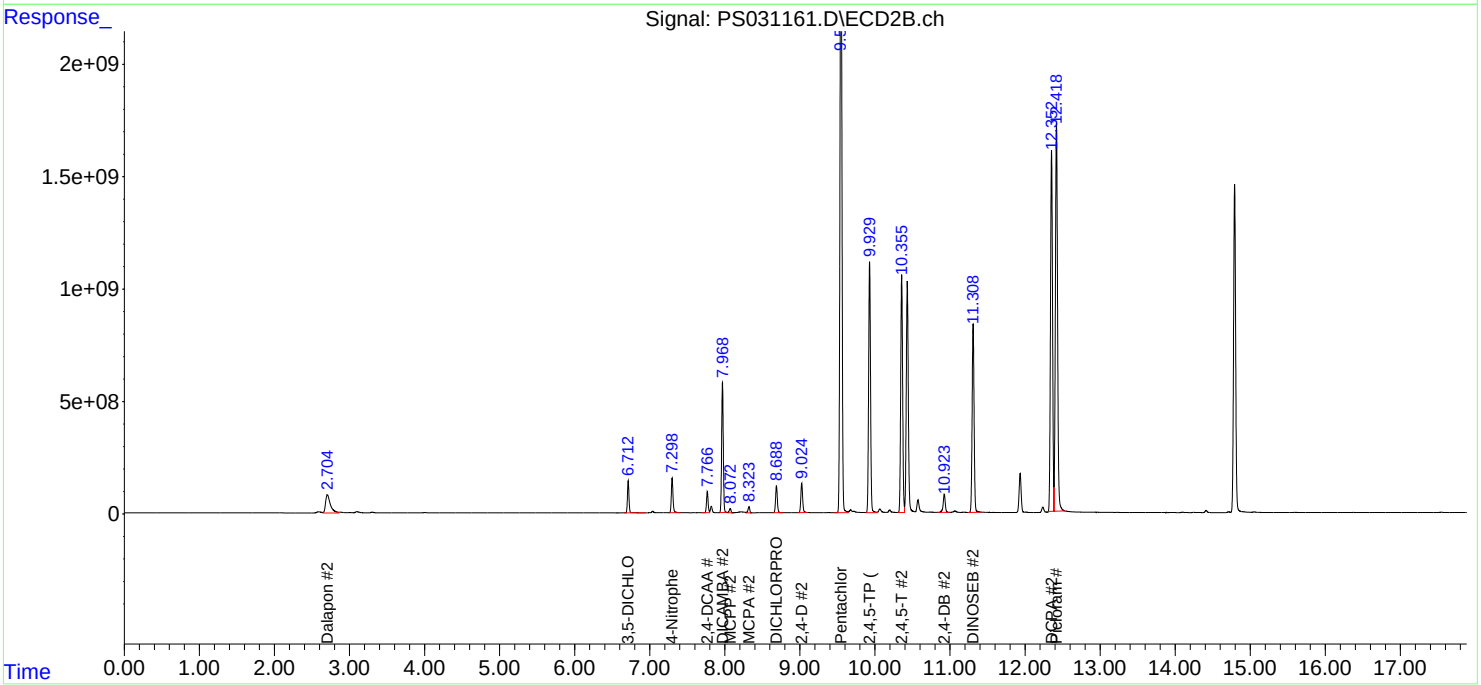
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031161.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:39
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

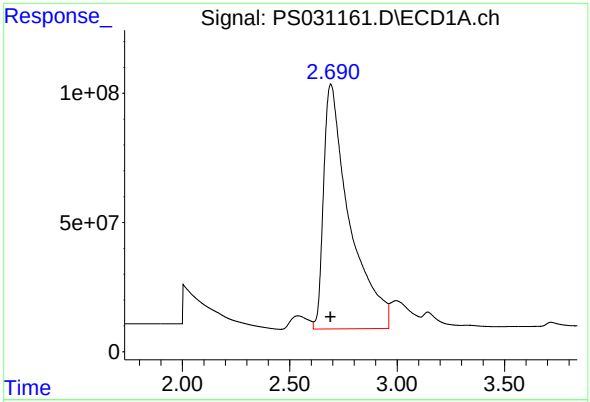
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

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

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



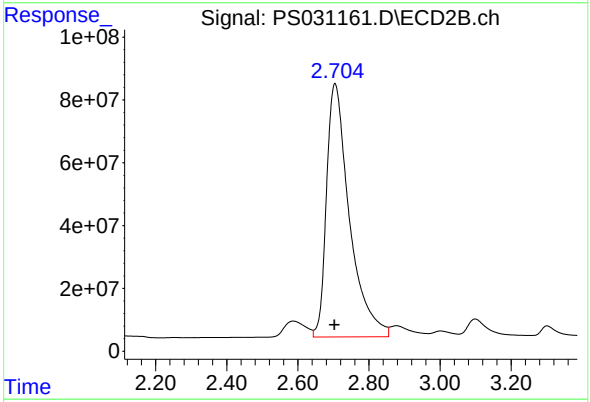




#1 Dalapon

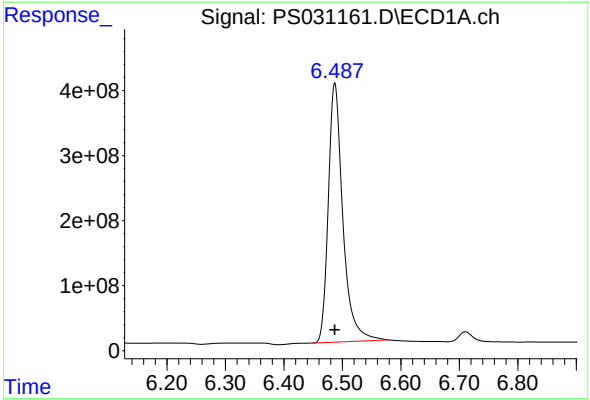
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 7938789953
Conc: 1282.72 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



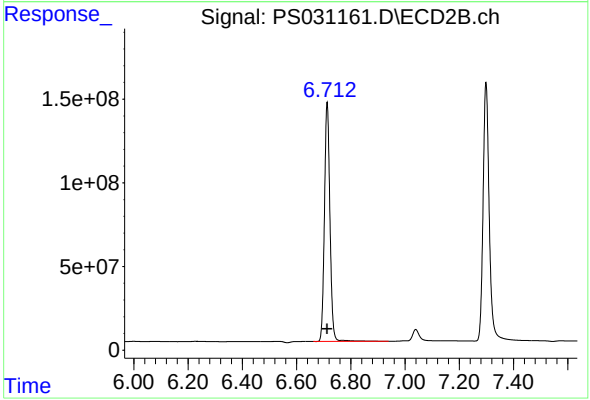
#1 Dalapon

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



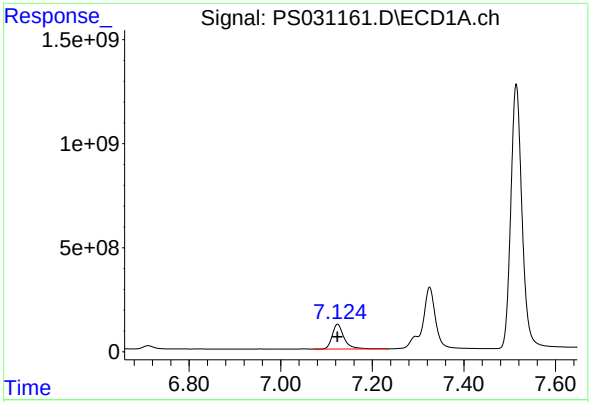
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

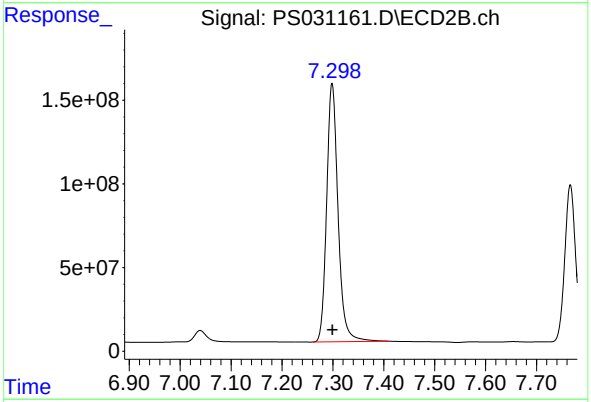
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 2008416196
Conc: 1348.01 ng/ml



#3 4-Nitrophenol

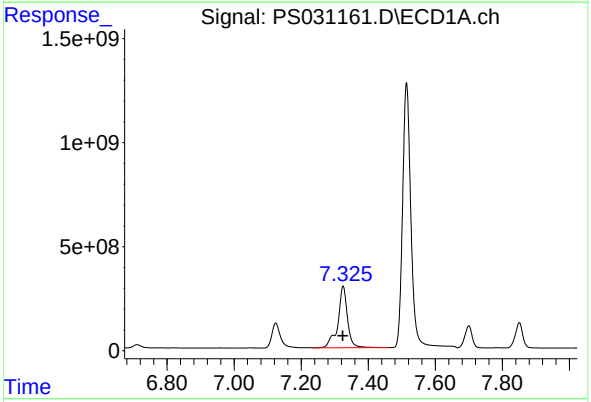
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 2109320808
Conc: 1313.97 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



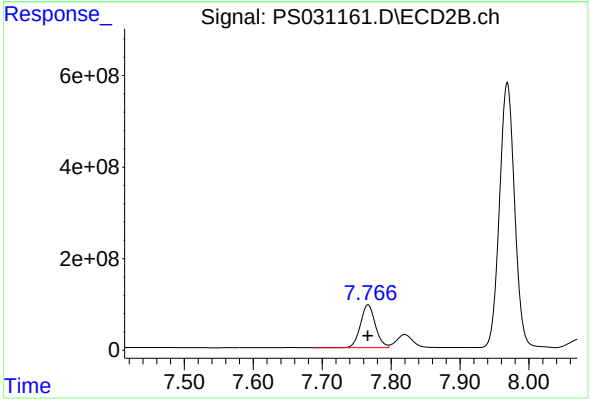
#3 4-Nitrophenol

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



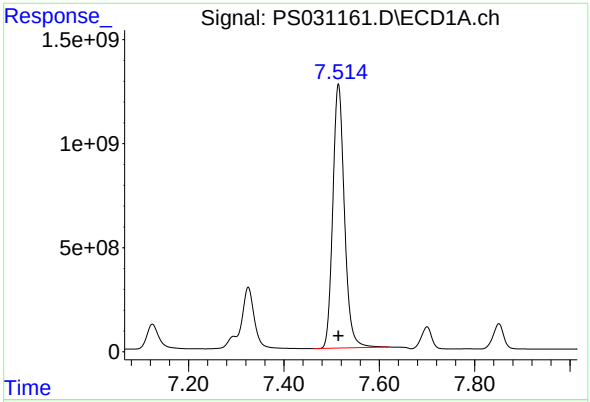
#4 2,4-DCAA

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



#4 2,4-DCAA

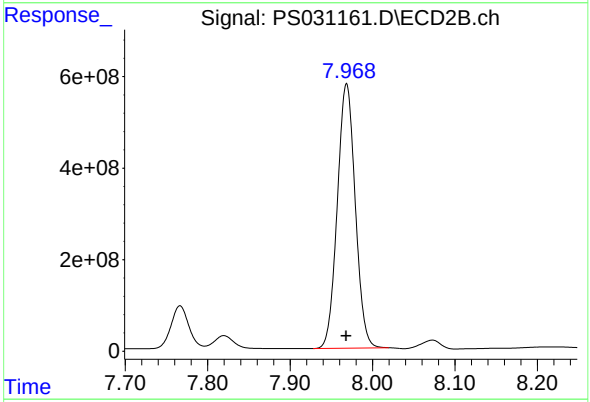
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 1404343492
Conc: 1420.83 ng/ml



#5 DICAMBA

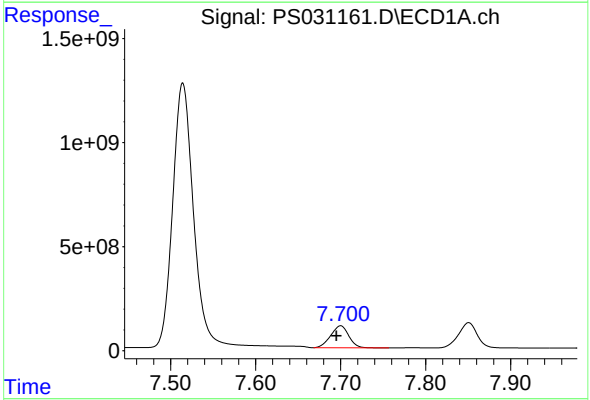
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 21449889213
Conc: 1318.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



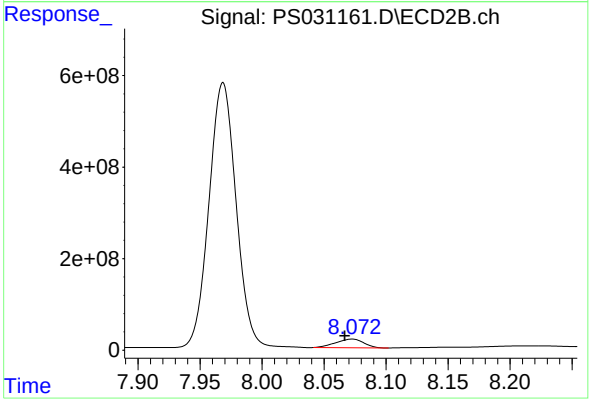
#5 DICAMBA

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



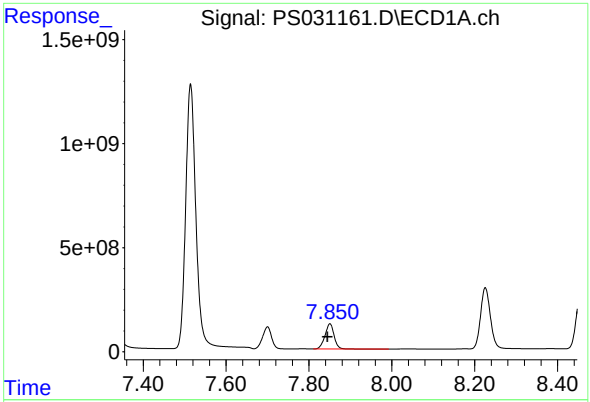
#6 MCPP

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



#6 MCPP

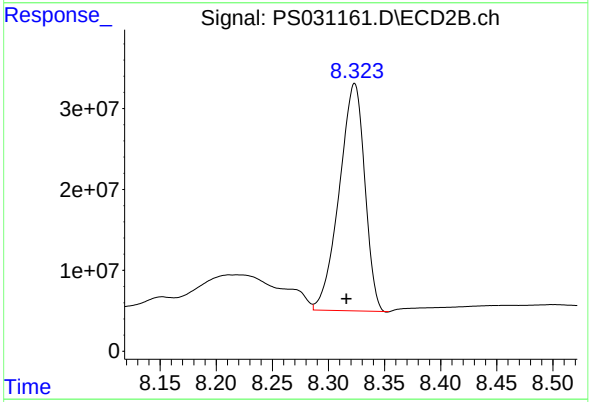
R.T.: 8.072 min
Delta R.T.: 0.006 min
Response: 297833100
Conc: 139.28 ug/ml



#7 MCPA

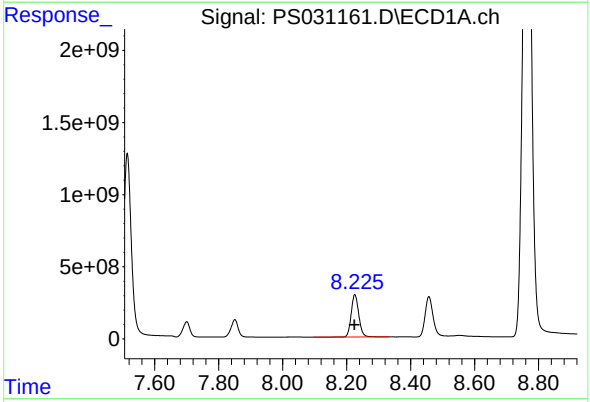
R.T.: 7.851 min
Delta R.T.: 0.006 min
Response: 1839792358
Conc: 146.30 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



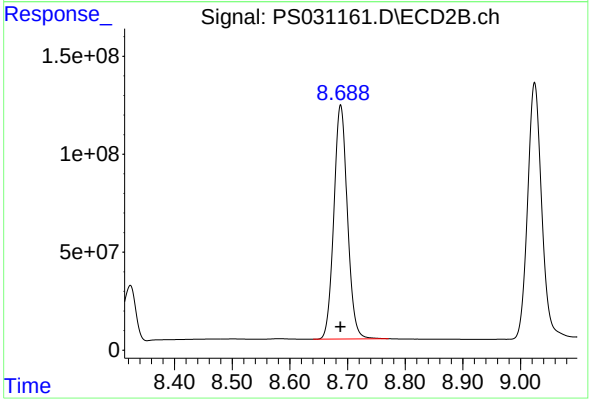
#7 MCPA

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



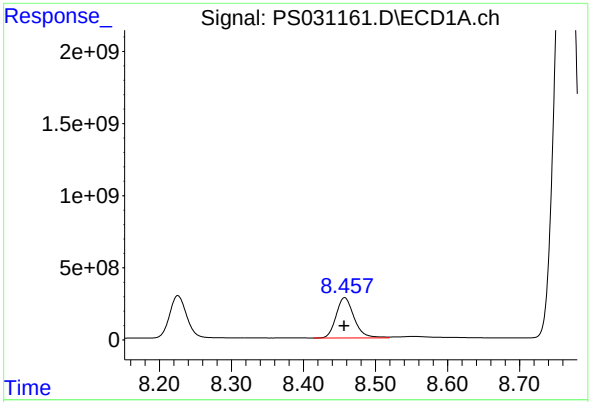
#8 DICHLORPROP

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



#8 DICHLORPROP

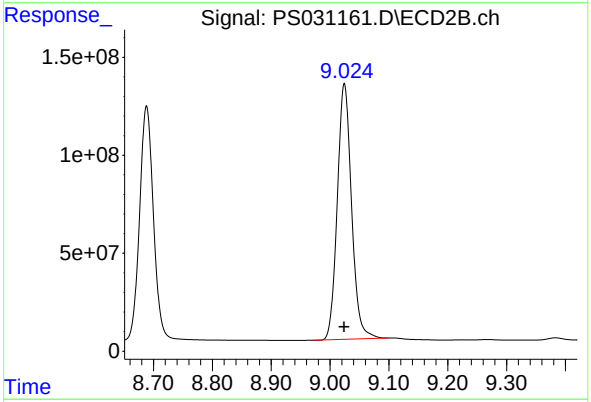
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1942272785
Conc: 1318.26 ng/ml



#9 2,4-D

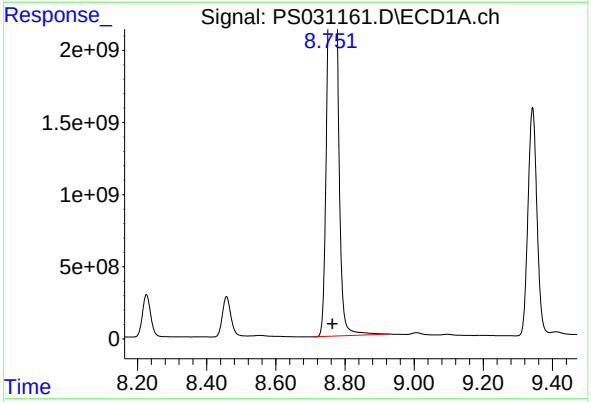
R.T.: 8.457 min
Delta R.T.: 0.000 min
Response: 4868771437
Conc: 1332.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



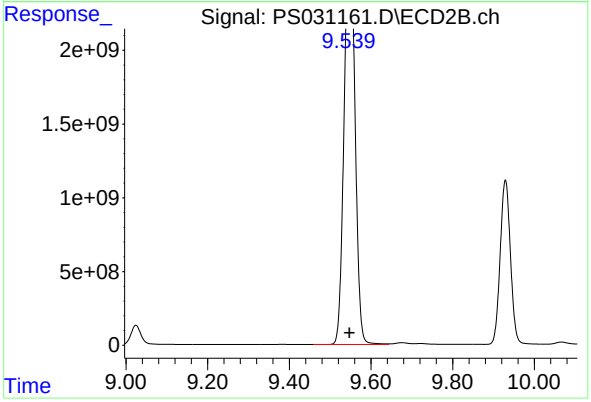
#9 2,4-D

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



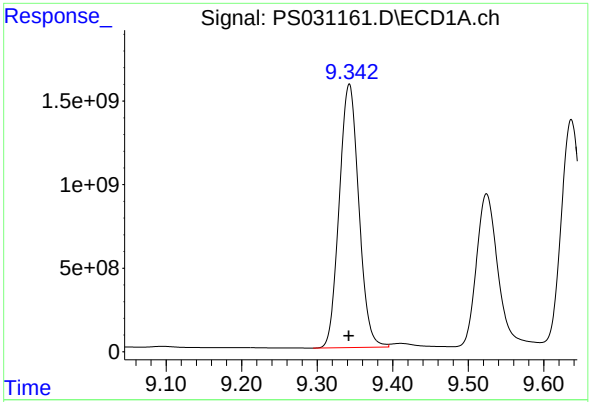
#10 Pentachlorophenol

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



#10 Pentachlorophenol

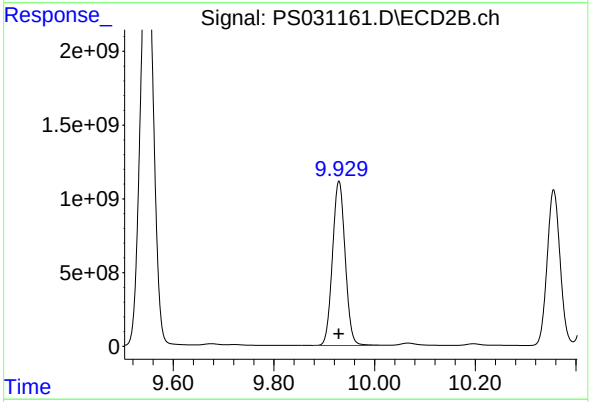
R.T.: 9.550 min
Delta R.T.: 0.002 min
Response: 46681007267
Conc: 1168.14 ng/ml



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

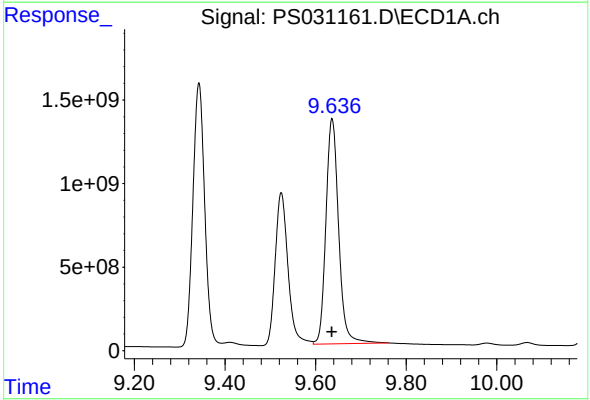
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 28356634711
Conc: 1310.46 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



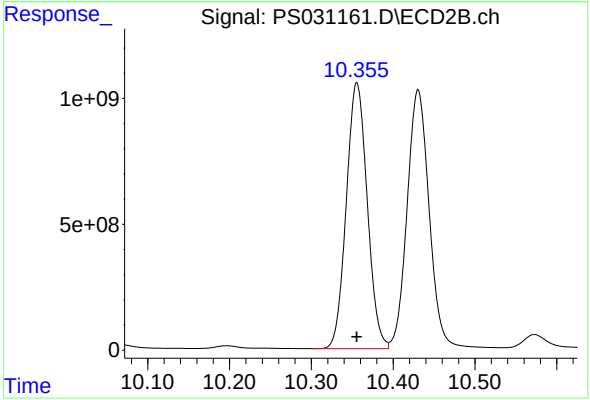
#11 2,4,5-TP (SILVEX)

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



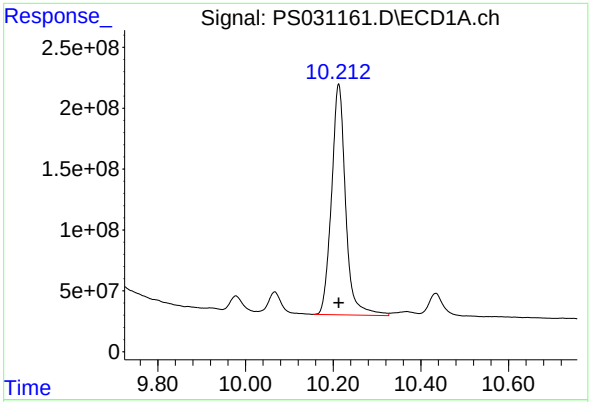
#12 2,4,5-T

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



#12 2,4,5-T

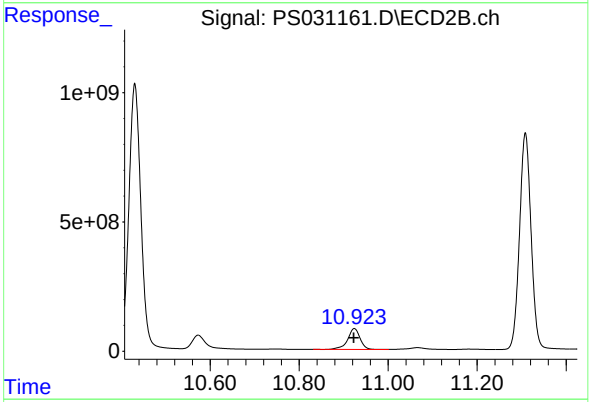
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 18777365882
Conc: 1326.42 ng/ml



#13 2,4-DB

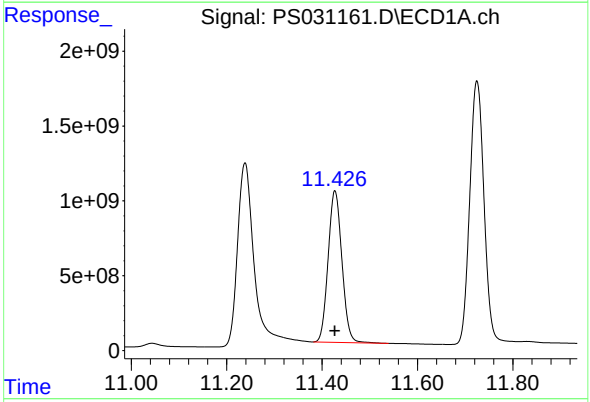
R.T.: 10.212 min
Delta R.T.: 0.000 min
Response: 4222668340
Conc: 1425.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



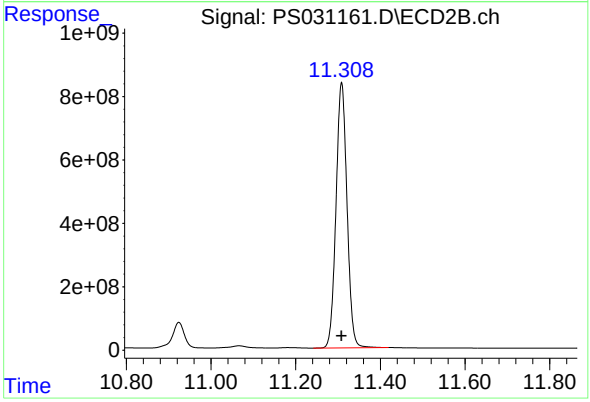
#13 2,4-DB

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



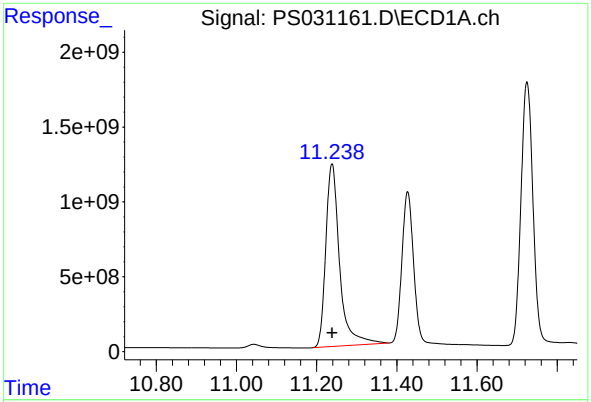
#14 DINOSEB

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



#14 DINOSEB

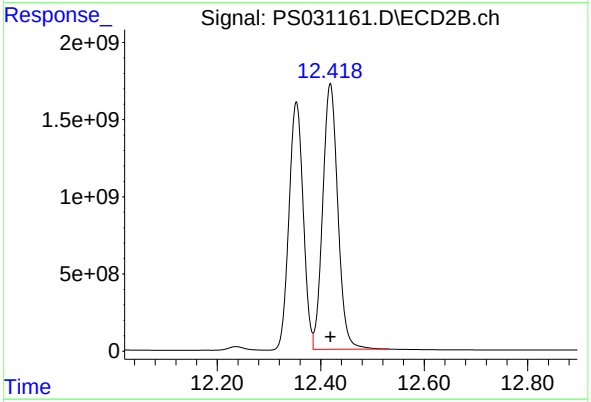
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 15081056737
Conc: 1341.04 ng/ml



#15 Picloram

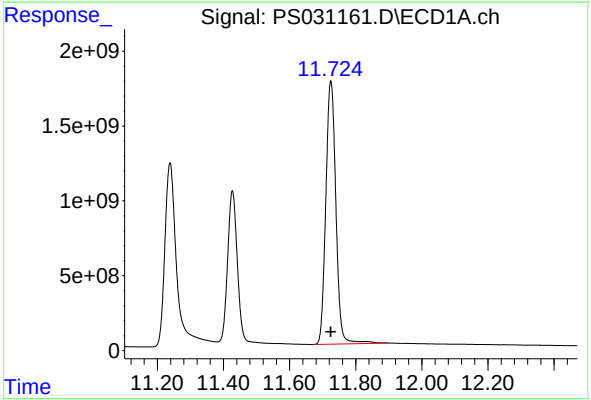
R.T.: 11.238 min
Delta R.T.: 0.000 min
Response: 29336086675
Conc: 1457.19 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



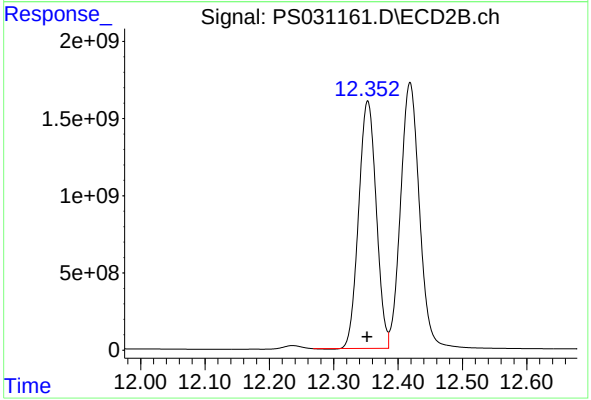
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
ECD_S
ClientSampleId :
ICVPS072125

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

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

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

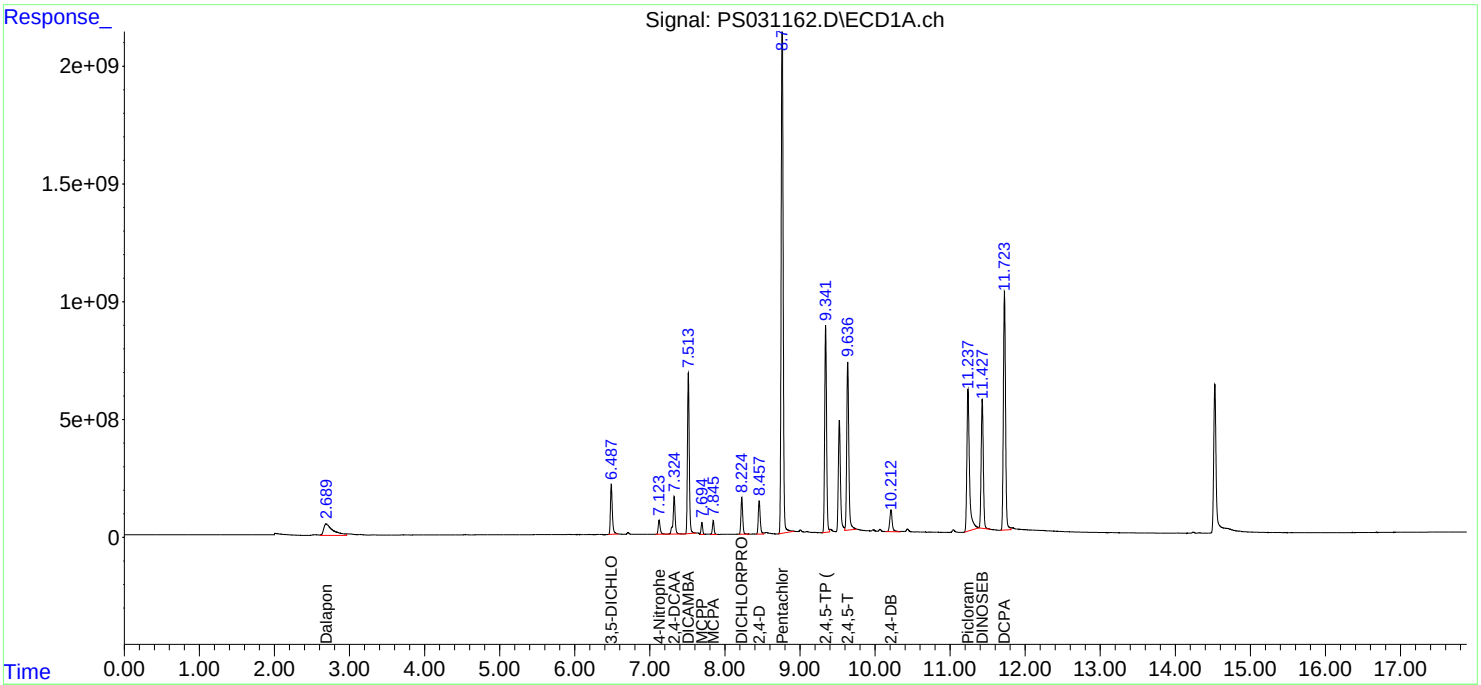
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

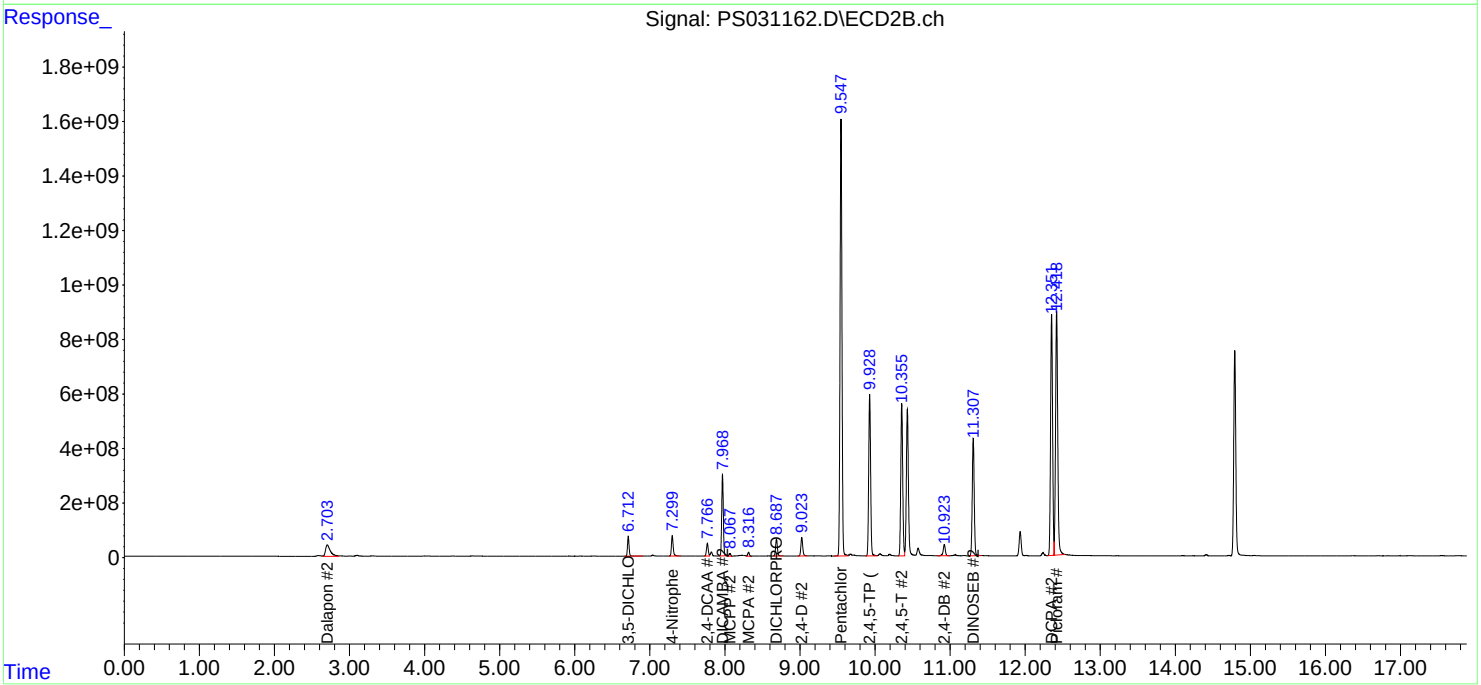
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031162.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:03
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

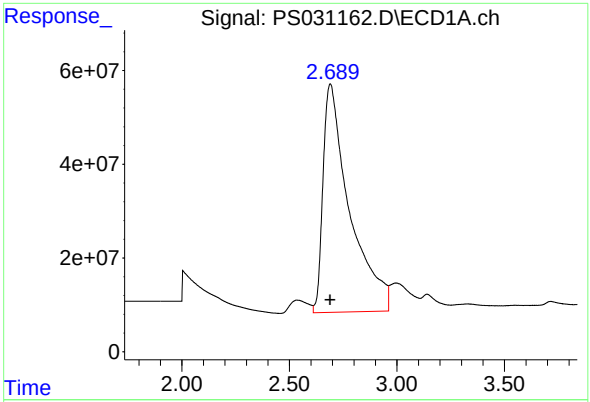
Instrument :
ECD_S
ClientSampleId :
ICVPS072125

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

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



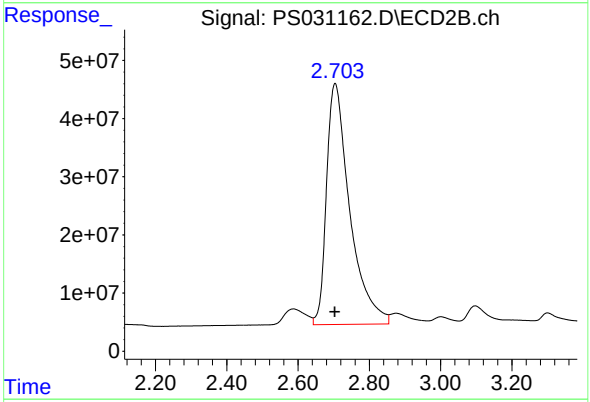




#1 Dalapon

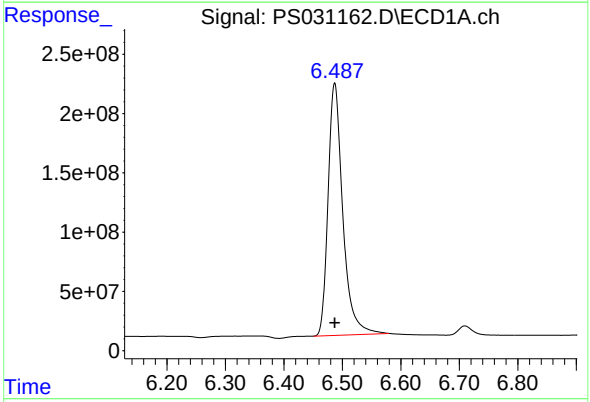
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 4173322568
Conc: 665.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



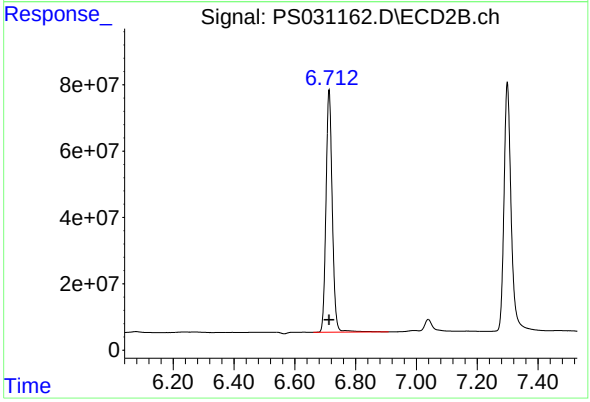
#1 Dalapon

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



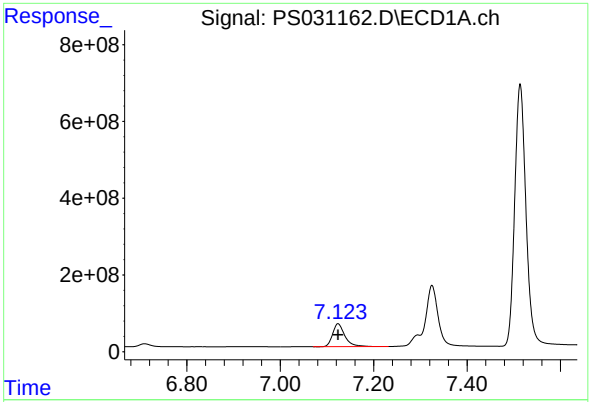
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

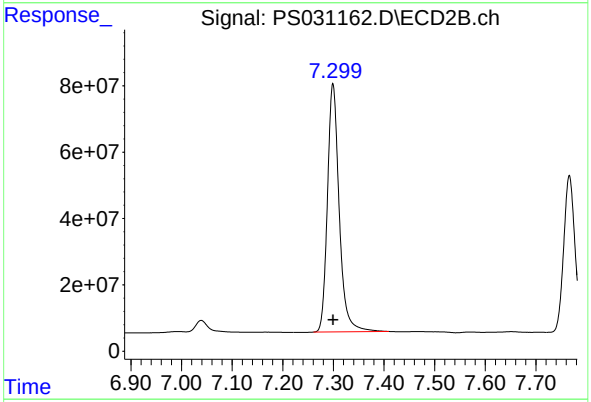
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 1048938565
Conc: 681.18 ng/ml



#3 4-Nitrophenol

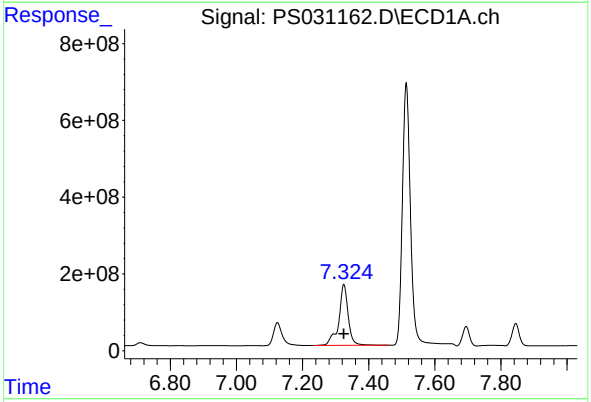
R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1093855791
Conc: 663.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



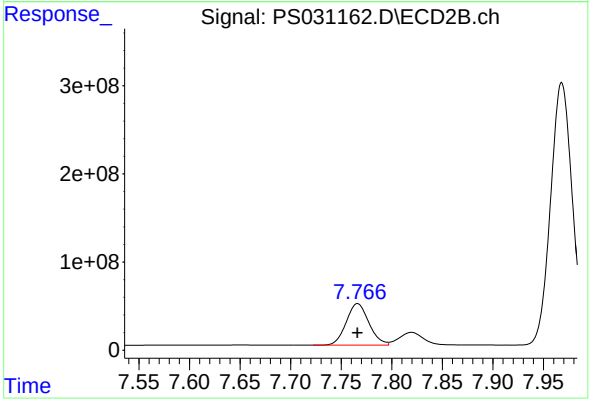
#3 4-Nitrophenol

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



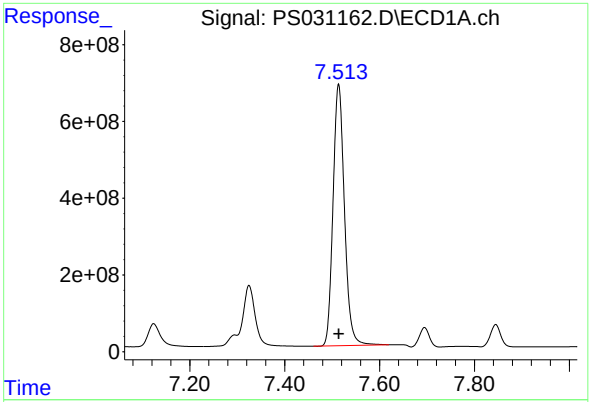
#4 2,4-DCAA

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



#4 2,4-DCAA

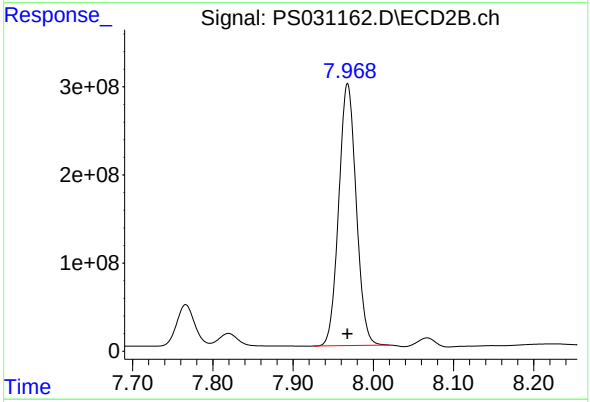
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 737725513
Conc: 726.85 ng/ml



#5 DICAMBA

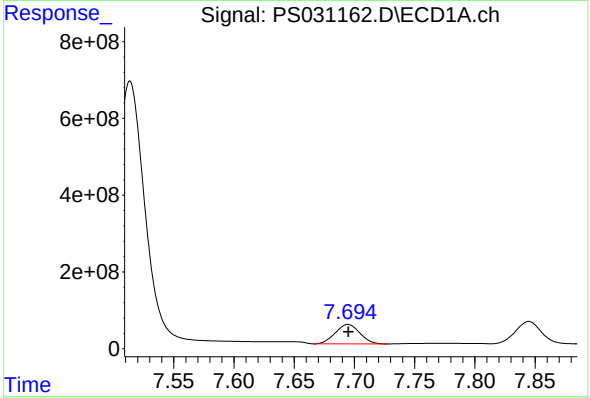
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 11383740526
Conc: 690.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



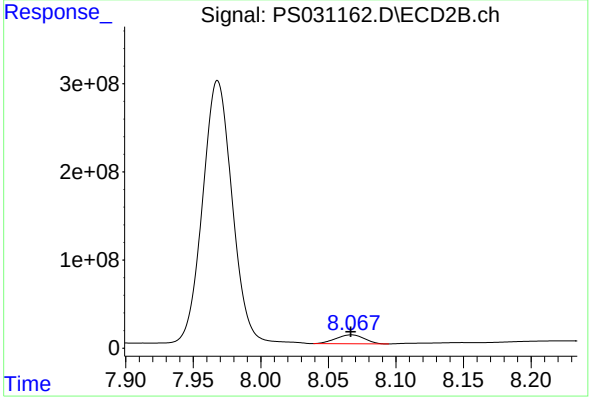
#5 DICAMBA

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



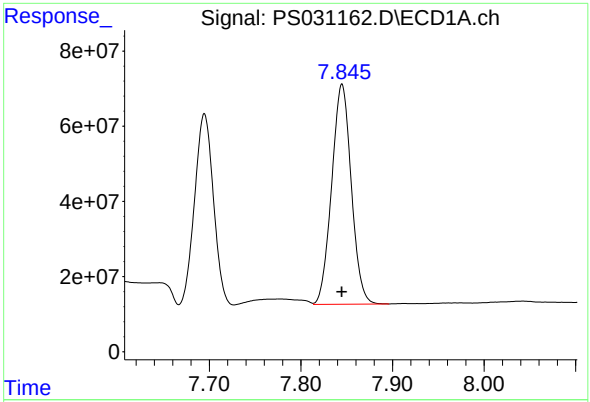
#6 MCPP

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



#6 MCPP

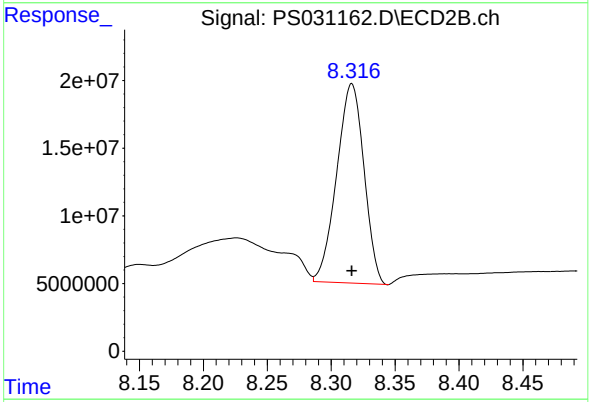
R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 149138351
Conc: 71.78 ug/ml



#7 MCPA

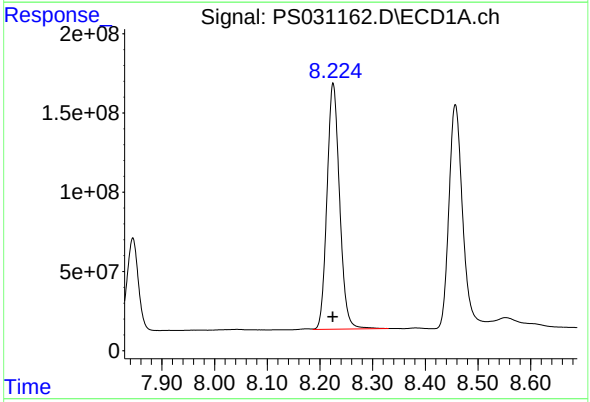
R.T.: 7.845 min
Delta R.T.: 0.000 min
Response: 870067277
Conc: 69.53 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



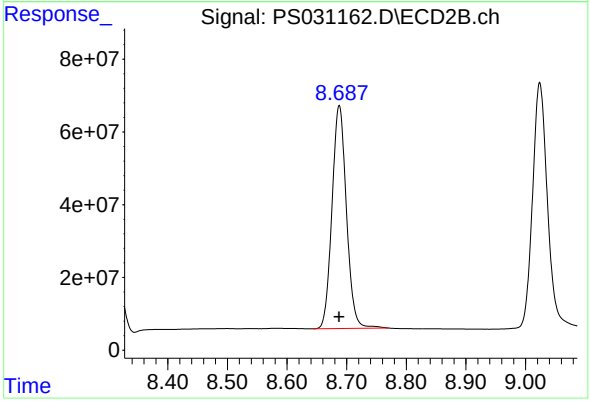
#7 MCPA

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



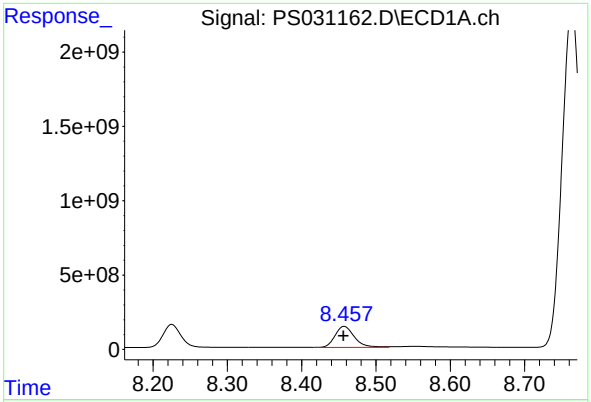
#8 DICHLORPROP

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



#8 DICHLORPROP

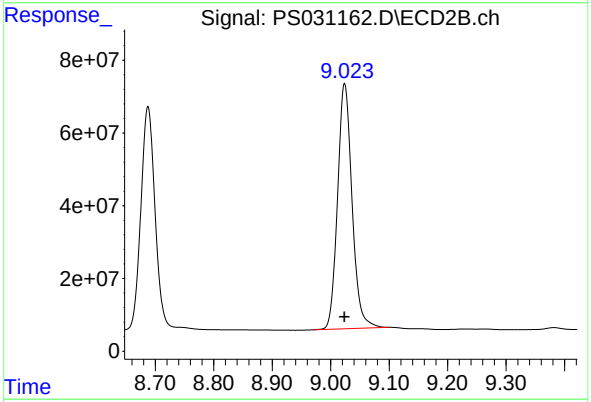
R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 1032455050
Conc: 681.55 ng/ml



#9 2,4-D

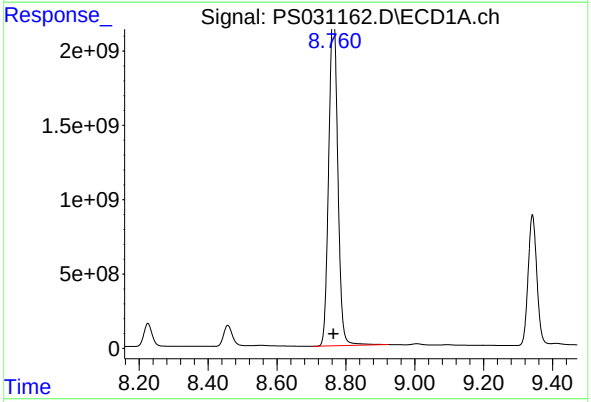
R.T.: 8.457 min
Delta R.T.: 0.000 min
Response: 2569354129
Conc: 687.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



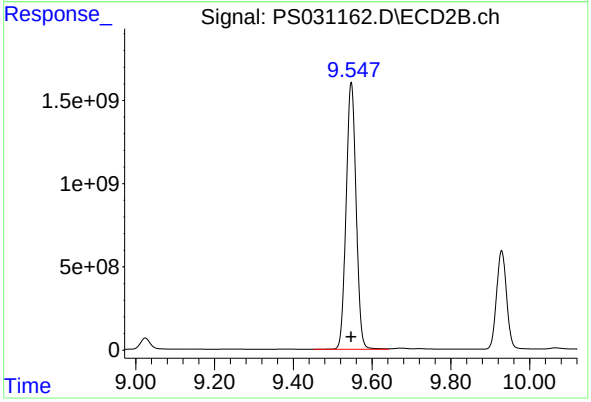
#9 2,4-D

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



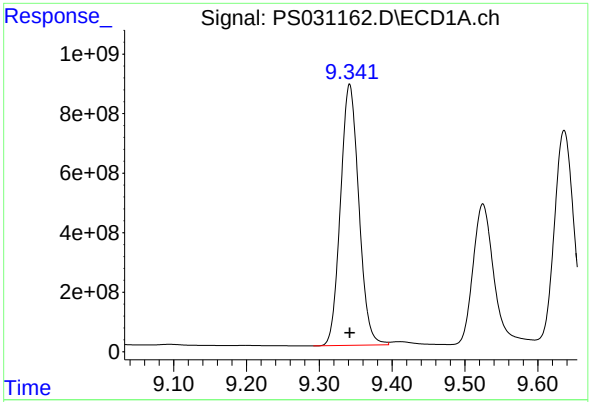
#10 Pentachlorophenol

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



#10 Pentachlorophenol

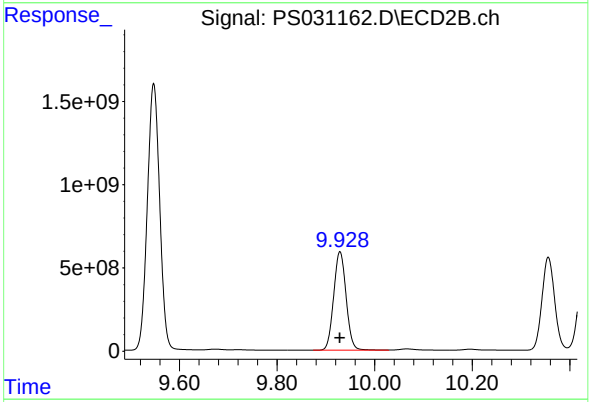
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 28167947869
Conc: 720.75 ng/ml



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

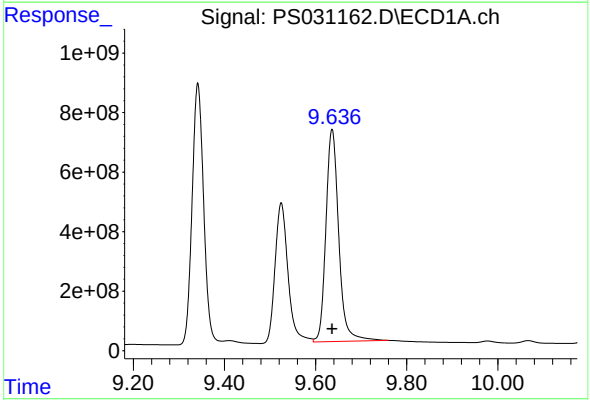
R.T.: 9.342 min
Delta R.T.: 0.000 min
Response: 15373956822
Conc: 700.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



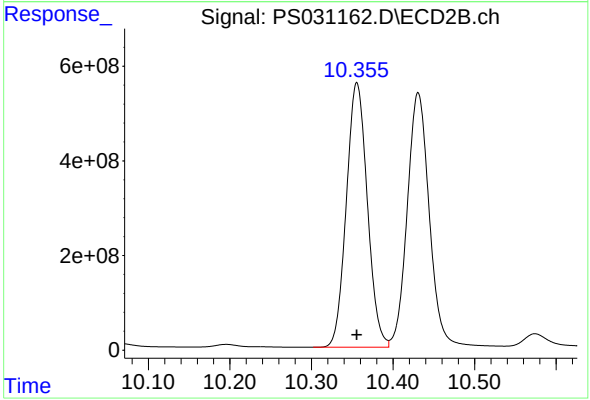
#11 2,4,5-TP (SILVEX)

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



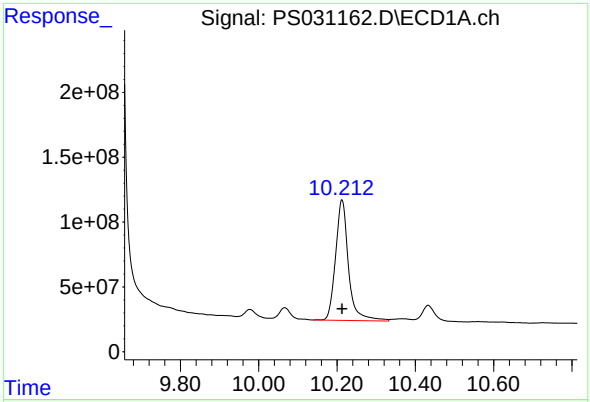
#12 2,4,5-T

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



#12 2,4,5-T

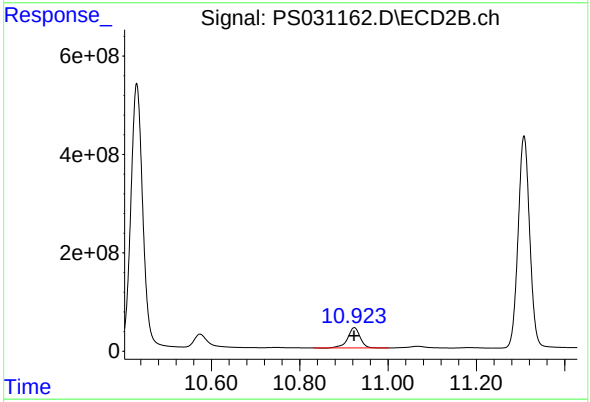
R.T.: 10.356 min
Delta R.T.: 0.000 min
Response: 10005648557
Conc: 703.66 ng/ml



#13 2,4-DB

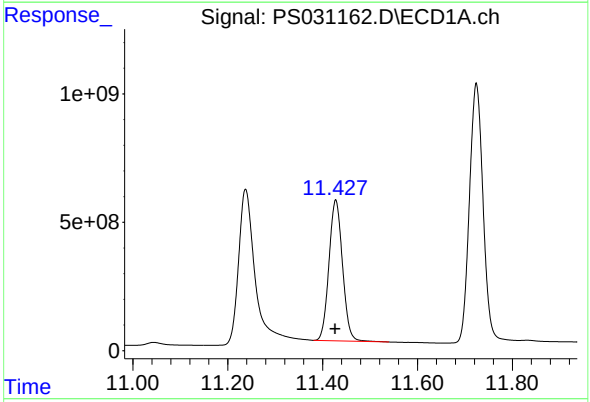
R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 2126850488
Conc: 711.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



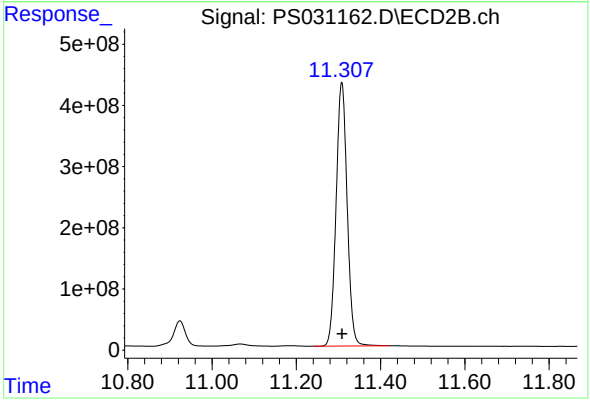
#13 2,4-DB

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



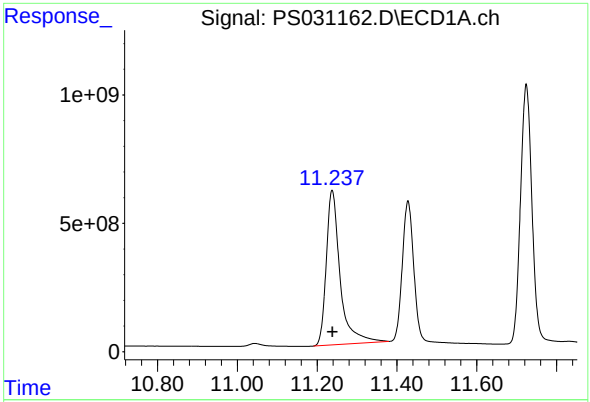
#14 DINOSEB

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



#14 DINOSEB

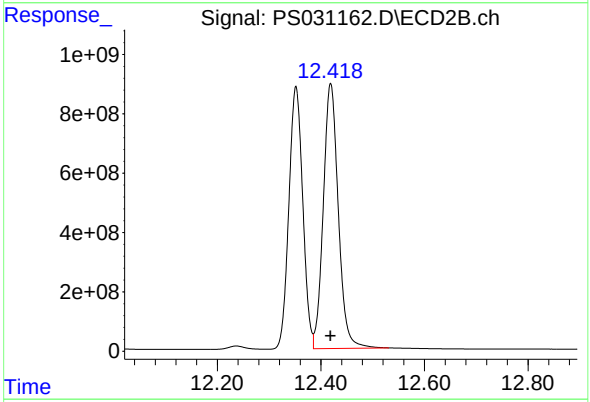
R.T.: 11.308 min
Delta R.T.: 0.000 min
Response: 7842727860
Conc: 693.92 ng/ml



#15 Picloram

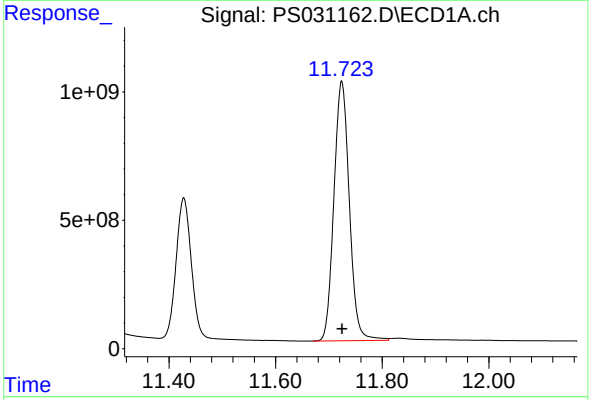
R.T.: 11.238 min
Delta R.T.: 0.000 min
Response: 14555030992
Conc: 727.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072125



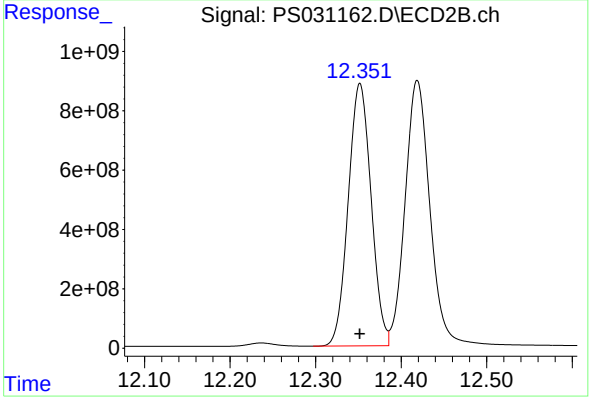
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

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.: Q2639
Instrument ID: ECD_S
Calibration Date(s): 07/29/2025 07/29/2025
Calibration Times: 16:30 18:07

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

LAB FILE ID: RT 200 = PS031275.D RT 500 = PS031276.D
RT 750 = PS031277.D RT 1000 = PS031278.D RT 1500 = PS031279.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.62	9.62	9.62	9.62	9.62	9.62	9.52	9.72
2,4,5-TP(Silvex)	9.33	9.33	9.33	9.33	9.33	9.33	9.23	9.43
2,4-D	8.45	8.45	8.45	8.45	8.45	8.45	8.35	8.55
2,4-DB	10.20	10.20	10.20	10.20	10.20	10.20	10.10	10.30
2,4-DCAA	7.32	7.32	7.32	7.32	7.32	7.32	7.22	7.42
Dalapon	2.69	2.69	2.69	2.69	2.69	2.69	2.59	2.79
DICAMBA	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
DICHLORPROP	8.21	8.21	8.21	8.21	8.21	8.21	8.11	8.31
Dinoseb	11.41	11.41	11.41	11.41	11.41	11.41	11.31	11.51

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: NOBI03
SDG NO.: Q2639
Calibration Date(s): 07/29/2025 07/29/2025
Calibration Times: 16:30 18:07

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

LAB FILE ID: RT 200 = PS031275.D RT 500 = PS031276.D
RT 750 = PS031277.D RT 1000 = PS031278.D RT 1500 = PS031279.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	10.35	10.35	10.35	10.35	10.35	10.25	10.45
2,4,5-TP(Silvex)	9.93	9.92	9.92	9.92	9.92	9.92	9.82	10.02
2,4-D	9.03	9.03	9.03	9.02	9.02	9.03	8.93	9.13
2,4-DB	10.93	10.92	10.92	10.92	10.92	10.92	10.82	11.02
2,4-DCAA	7.77	7.77	7.77	7.76	7.76	7.77	7.67	7.87
Dalapon	2.70	2.70	2.70	2.70	2.70	2.70	2.60	2.80
DICAMBA	7.97	7.97	7.97	7.96	7.97	7.97	7.87	8.07
DICHLORPROP	8.69	8.69	8.69	8.68	8.69	8.69	8.59	8.79
Dinoseb	11.30	11.30	11.30	11.30	11.30	11.30	11.20	11.40

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2639
Calibration Date(s): 07/29/2025 07/29/2025
Calibration Times: 16:30 18:07

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

LAB FILE ID: **CF 200 =** PS031275.D **CF 500 =** PS031276.D
CF 750 = PS031277.D **CF 1000 =** PS031278.D **CF 1500 =** PS031279.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	12151100000	13103000000	13411600000	13932200000	13905800000	13300700000	6
2,4,5-TP(Silvex)	16396000000	16819100000	16676100000	16892300000	16522800000	16661300000	1
2,4-D	2576570000	2575840000	2553160000	2630000000	2631140000	2593340000	1
2,4-DB	1525540000	1687580000	1742070000	1857760000	1923310000	1747250000	9
2,4-DCAA	3064840000	2959730000	2862370000	2871350000	2808730000	2913400000	3
Dalapon	5061370000	4888700000	4705210000	4735260000	4732270000	4824560000	3
DICAMBA	13130200000	13013400000	12746000000	12939900000	12773600000	12920600000	1
DICHLORPROP	3369370000	3071280000	2919100000	2949230000	2891090000	3040010000	6
Dinoseb	11332000000	11371000000	11439200000	11687400000	11488100000	11463500000	1

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2639
Calibration Date(s): 07/29/2025 07/29/2025
Calibration Times: 16:30 18:07

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

LAB FILE ID: **CF 200 =** PS031275.D **CF 500 =** PS031276.D
CF 750 = PS031277.D **CF 1000 =** PS031278.D **CF 1500 =** PS031279.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	11672100000	11796700000	11598600000	11728700000	11527300000	11664700000	1
2,4,5-TP(Silvex)	13057400000	12937900000	12568100000	12631100000	12319500000	12702800000	2
2,4-D	1448930000	1409840000	1369840000	1380980000	1368050000	1395530000	2
2,4-DB	910565000	996622000	969208000	977978000	974906000	965856000	3
2,4-DCAA	882797000	843990000	816032000	820679000	811907000	835081000	4
Dalapon	2577950000	2466760000	2417290000	2427300000	2391630000	2456190000	3
DICAMBA	5377640000	5415560000	5341790000	5468990000	5500260000	5420850000	1
DICHLORPROP	1404880000	1322050000	1267670000	1263010000	1242680000	1300060000	5
Dinoseb	9615850000	9346140000	9205410000	9325410000	9206870000	9339930000	2

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:30
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 17:39:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.316	7.768	613.0E6	176.6E6	206.922	208.304
		Target Compounds						
1)	T	Dalapon	2.688	2.704	921.2E6	469.2E6	188.568	188.630
2)	T	3,5-DICHL...	6.478	6.715	822.8E6	252.1E6	191.081	192.345
3)	T	4-Nitroph...	7.118	7.313	182.4E6	226.4E6	181.893	178.469
5)	T	DICAMBA	7.503	7.966	2468.5E6	1011.0E6	190.422	187.976
6)	T	MCPP	7.681	8.060	113.1E6	25466191	15.263	15.980
7)	T	MCPA	7.831	8.308	152.6E6	42129242	16.560	16.914
8)	T	DICHLORPROP	8.214	8.687	633.4E6	264.1E6	203.032	198.356
9)	T	2,4-D	8.448	9.030	484.4E6	272.4E6	188.589	193.254
10)	T	Pentachlo...	8.745	9.538	9305.3E6	6464.8E6	191.406	189.296
11)	T	2,4,5-TP ...	9.327	9.925	3115.2E6	2480.9E6	187.322	192.999
12)	T	2,4,5-T	9.623	10.355	2308.7E6	2217.7E6	179.129	189.723
13)	T	2,4-DB	10.202	10.925	289.9E6	173.0E6	175.484	180.975m
14)	T	DINOSEB	11.407	11.302	2130.4E6	1807.8E6	187.195	192.540
15)	T	Picloram	11.230	12.428	1927.2E6	2762.4E6	173.439	170.671
16)	T	DCPA	11.705	12.346	3830.0E6	3578.8E6	186.172	191.067

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:30
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

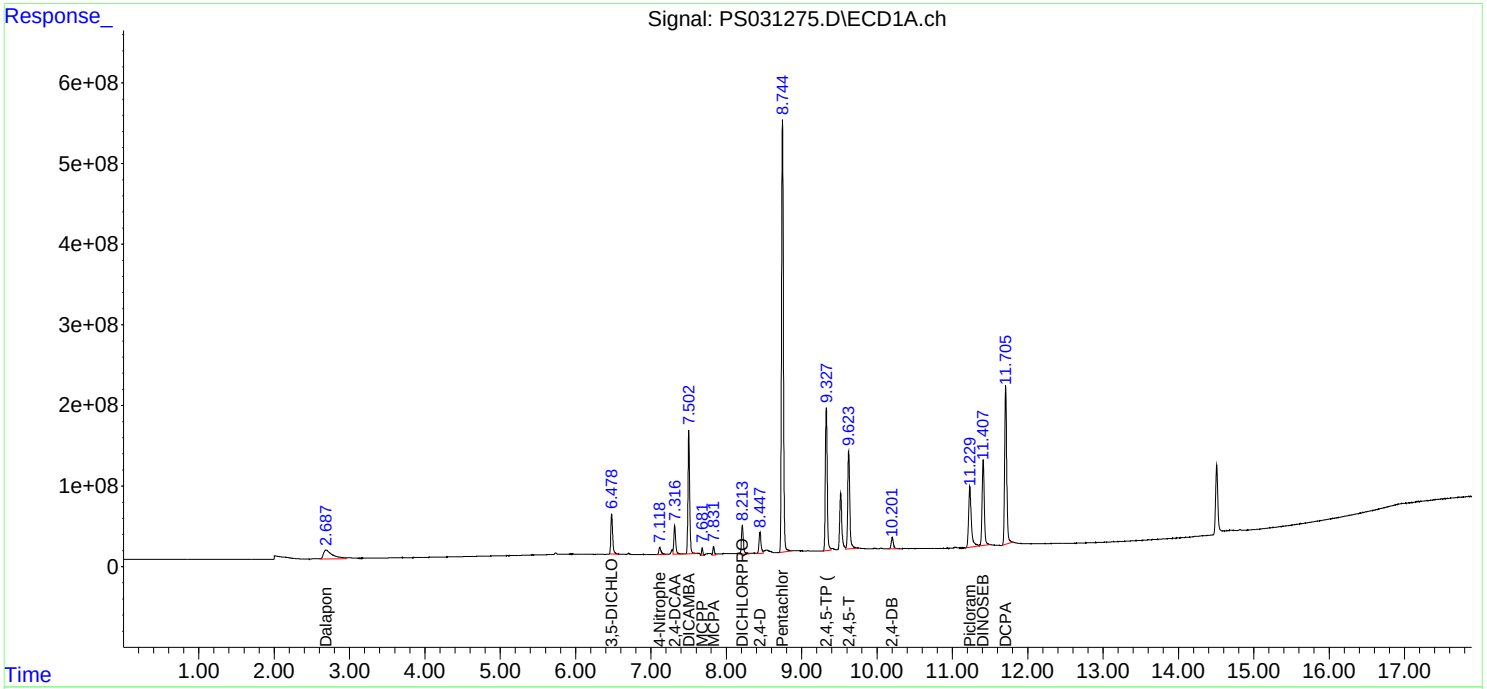
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

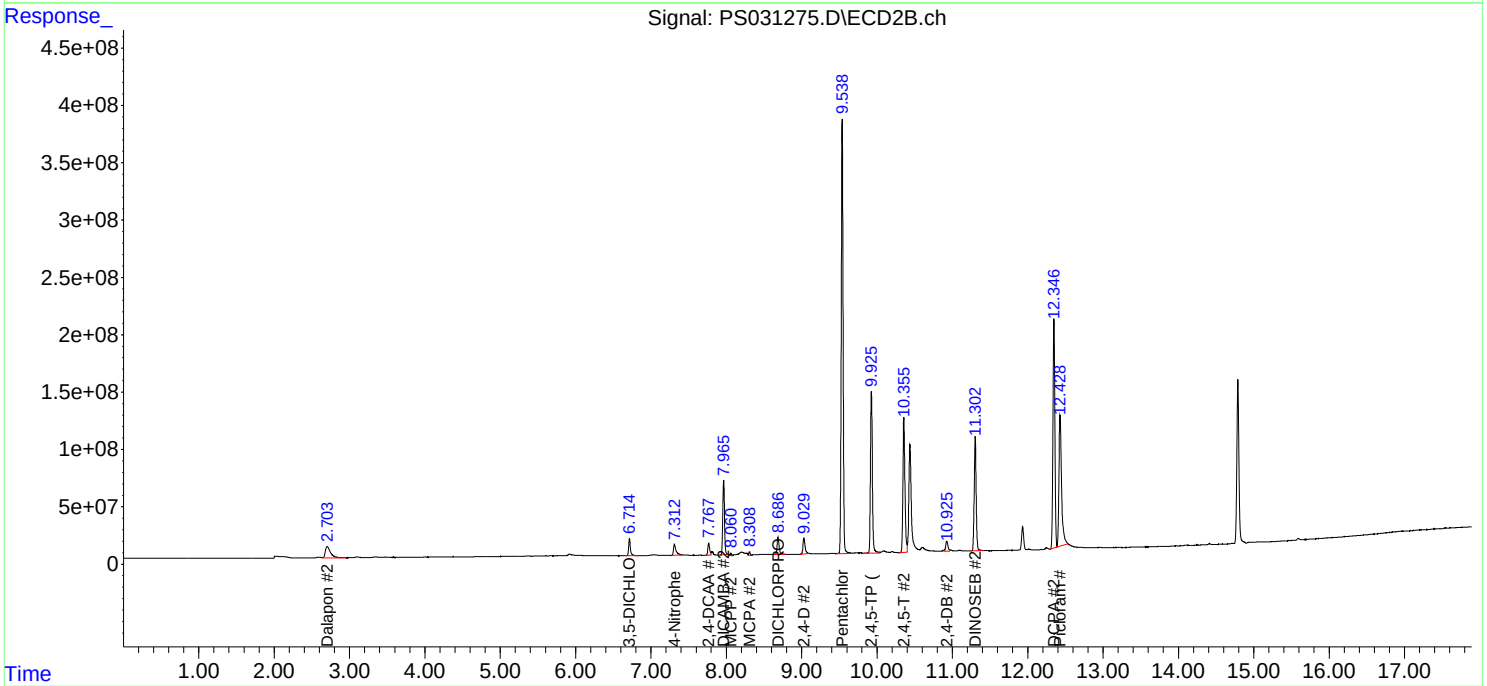
Manual Integrations APPROVED

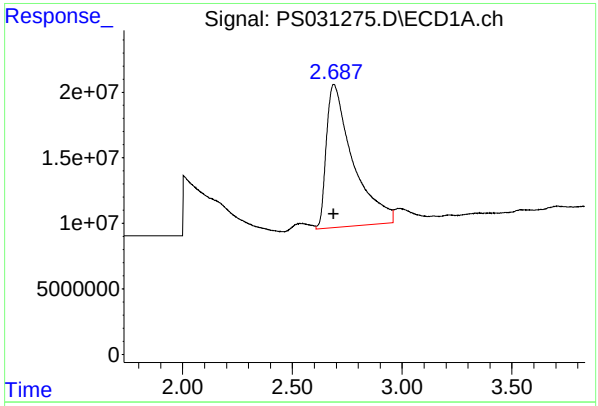
Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 17:39:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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







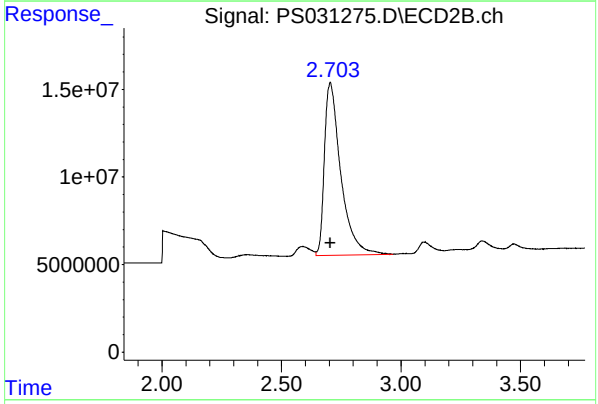
#1 Dalapon

R.T.: 2.688 min
Delta R.T.: 0.000 min
Response: 921169663
Conc: 188.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

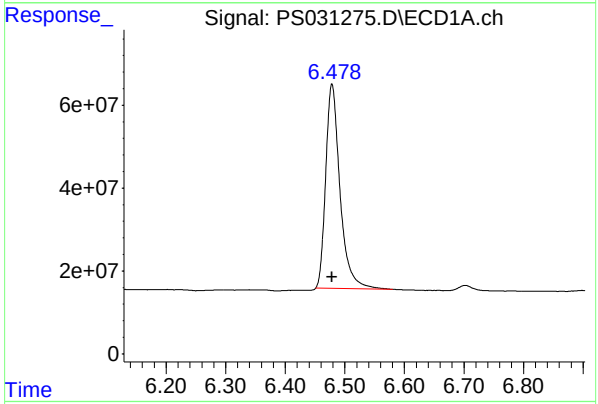
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



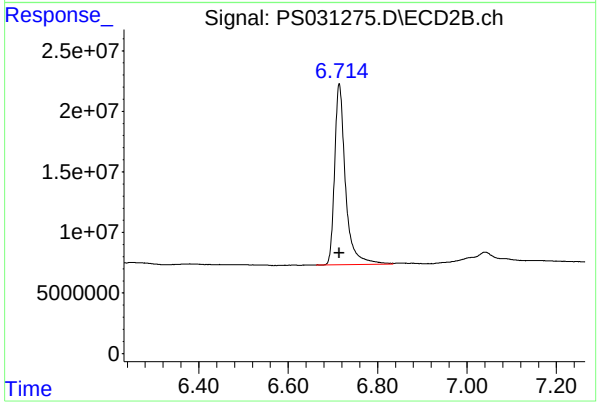
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 469186112
Conc: 188.63 ng/ml



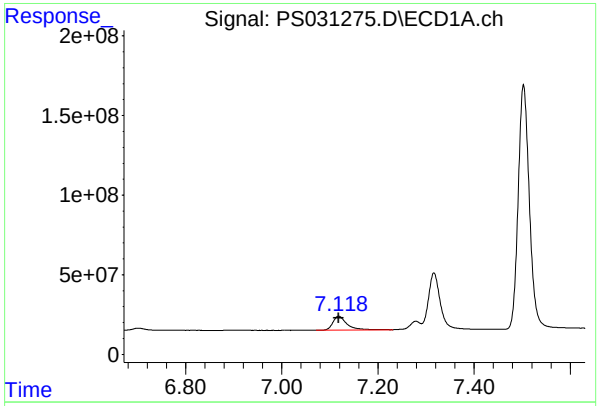
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 822756364
Conc: 191.08 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 252050677
Conc: 192.35 ng/ml



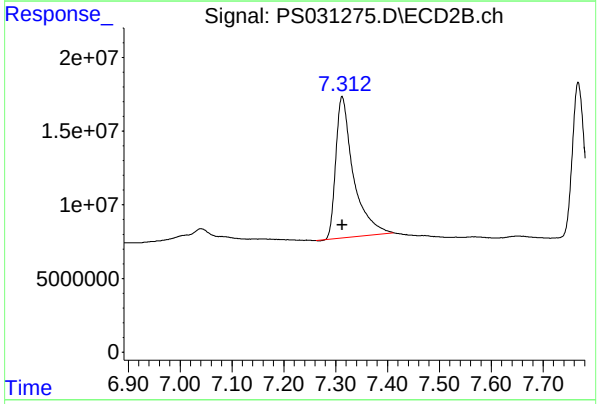
#3 4-Nitrophenol

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 182409458
Conc: 181.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

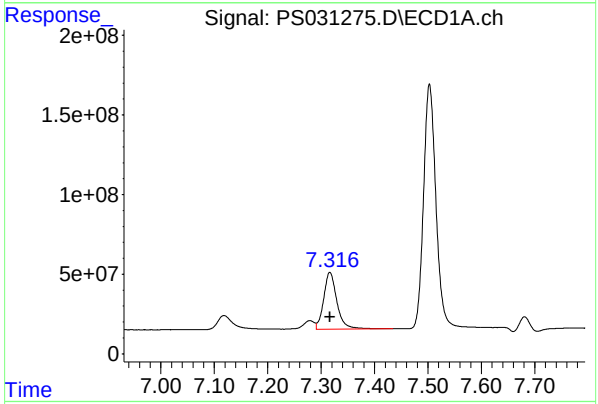
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



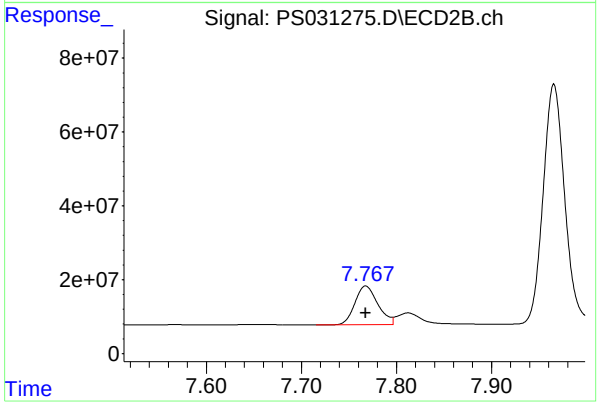
#3 4-Nitrophenol

R.T.: 7.313 min
Delta R.T.: 0.000 min
Response: 226384237
Conc: 178.47 ng/ml



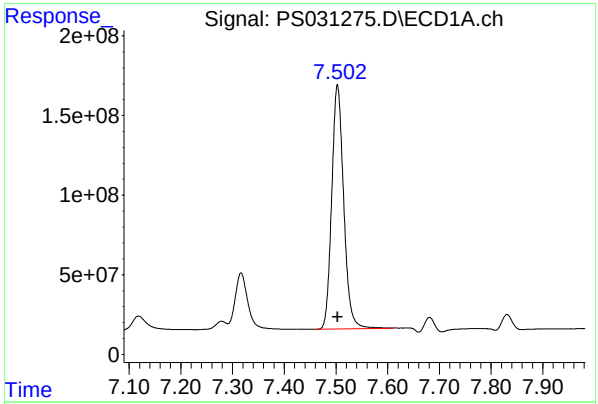
#4 2,4-DCAA

R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 612967772
Conc: 206.92 ng/ml



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 176559435
Conc: 208.30 ng/ml



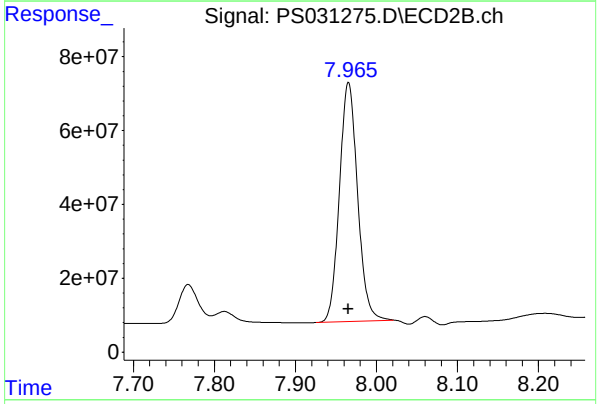
#5 DICAMBA

R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 2468469764
Conc: 190.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

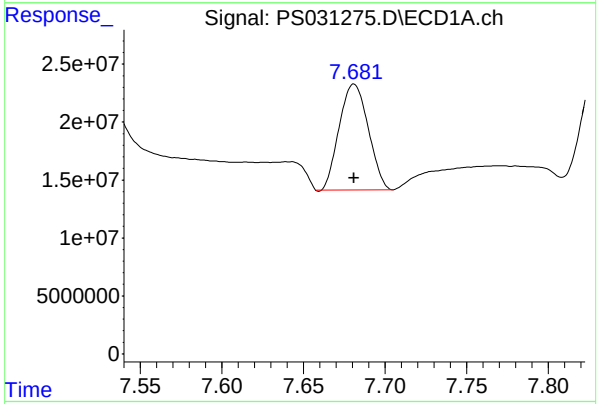
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



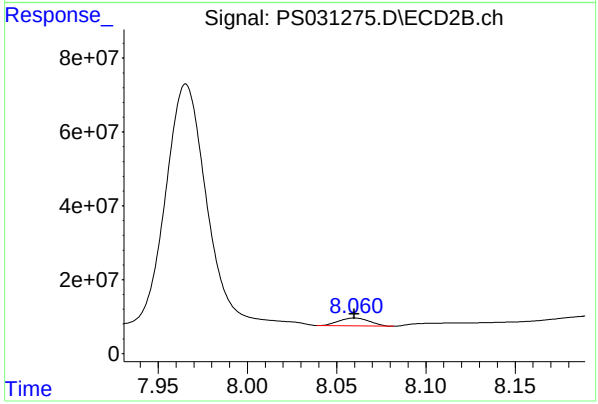
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: 0.000 min
Response: 1010996129
Conc: 187.98 ng/ml



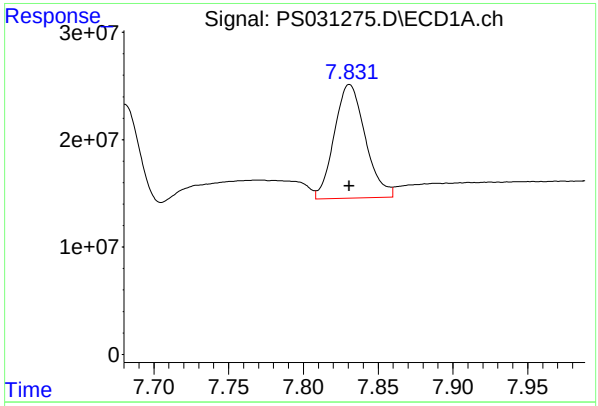
#6 MCPP

R.T.: 7.681 min
Delta R.T.: 0.000 min
Response: 113132233
Conc: 15.26 ug/ml



#6 MCPP

R.T.: 8.060 min
Delta R.T.: 0.000 min
Response: 25466191
Conc: 15.98 ug/ml



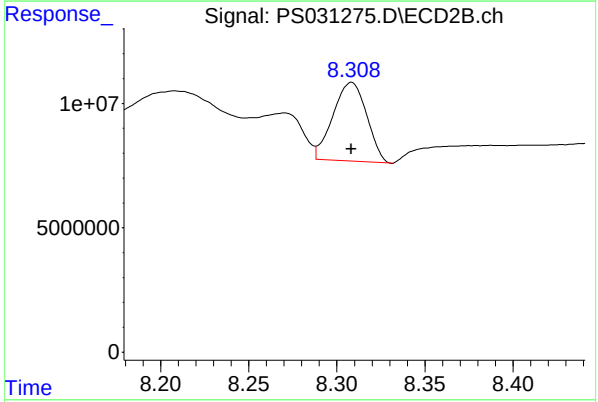
#7 MCPA

R.T.: 7.831 min
Delta R.T.: 0.000 min
Response: 152634492
Conc: 16.56 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

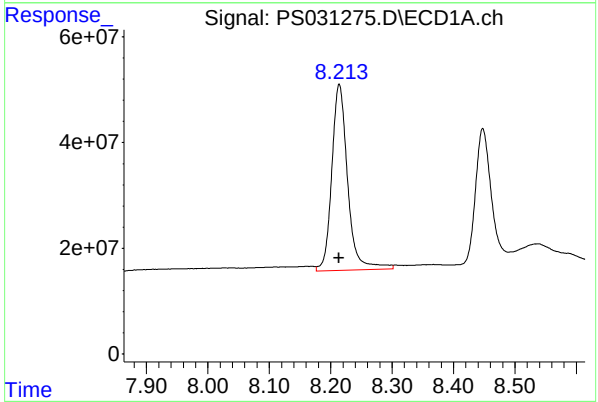
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



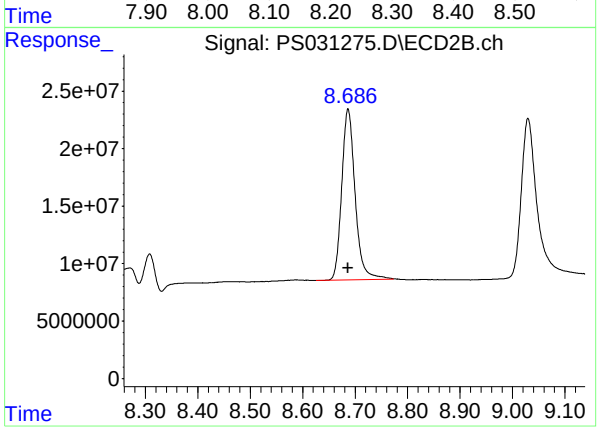
#7 MCPA

R.T.: 8.308 min
Delta R.T.: 0.000 min
Response: 42129242
Conc: 16.91 ug/ml



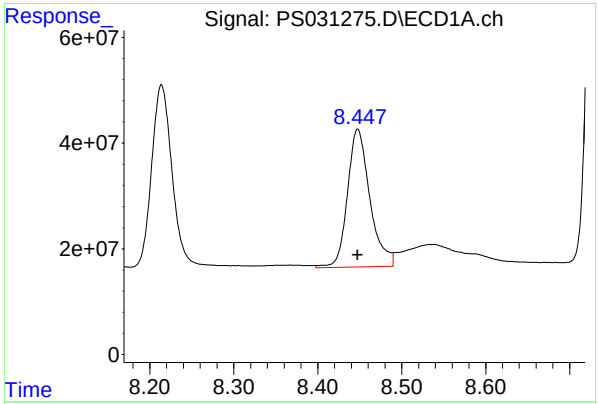
#8 DICHLORPROP

R.T.: 8.214 min
Delta R.T.: 0.000 min
Response: 633442014
Conc: 203.03 ng/ml



#8 DICHLORPROP

R.T.: 8.687 min
Delta R.T.: 0.000 min
Response: 264117010
Conc: 198.36 ng/ml



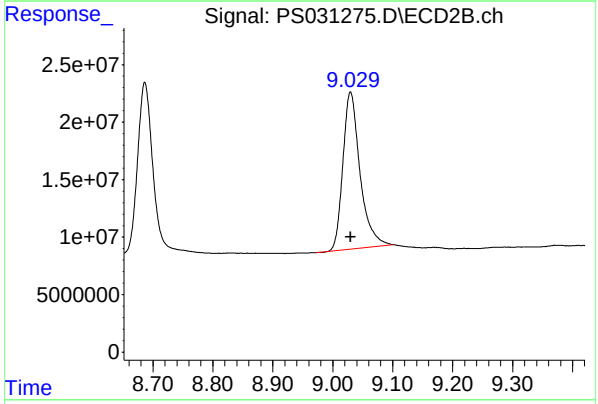
#9 2,4-D

R.T.: 8.448 min
Delta R.T.: 0.000 min
Response: 484395281
Conc: 188.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

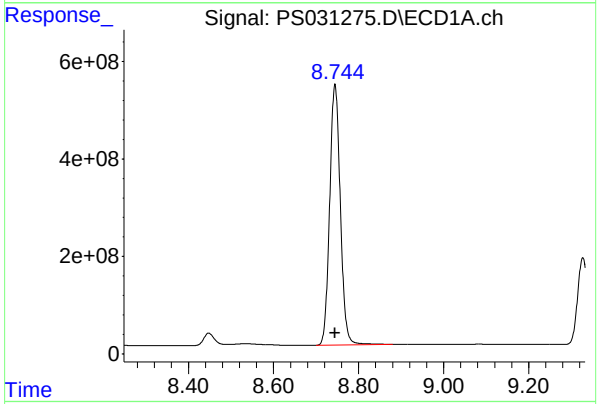
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



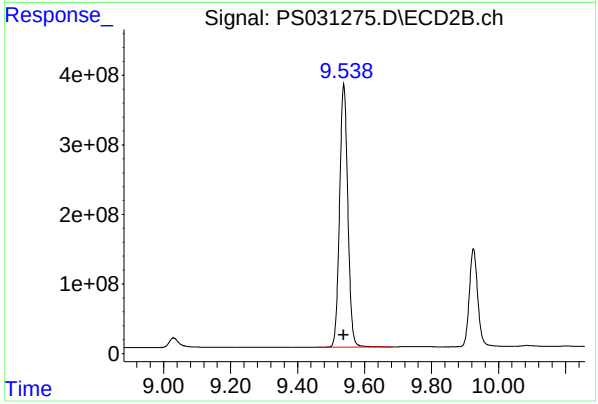
#9 2,4-D

R.T.: 9.030 min
Delta R.T.: 0.000 min
Response: 272398710
Conc: 193.25 ng/ml



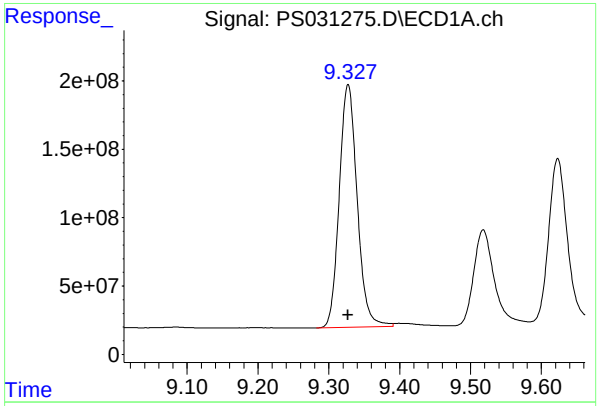
#10 Pentachlorophenol

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 9305287569
Conc: 191.41 ng/ml



#10 Pentachlorophenol

R.T.: 9.538 min
Delta R.T.: 0.000 min
Response: 6464774696
Conc: 189.30 ng/ml



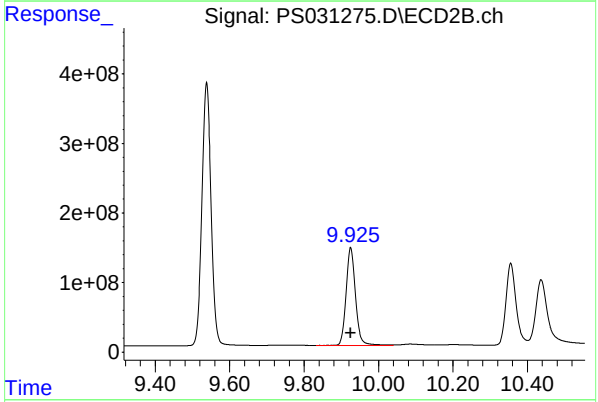
#11 2,4,5-TP (SILVEX)

R.T.: 9.327 min
Delta R.T.: 0.000 min
Response: 3115240515
Conc: 187.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

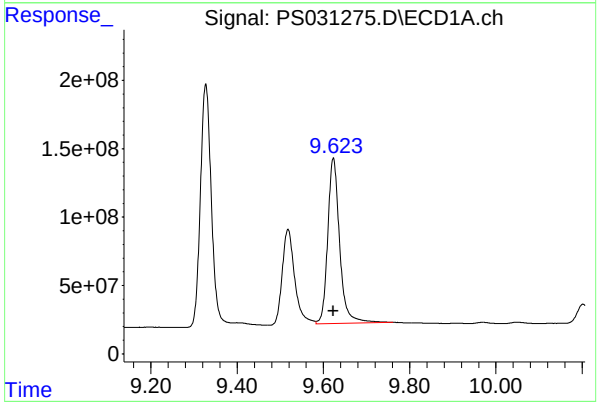
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



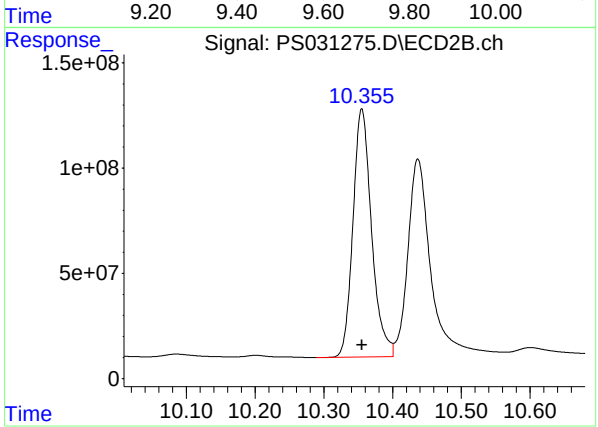
#11 2,4,5-TP (SILVEX)

R.T.: 9.925 min
Delta R.T.: 0.000 min
Response: 2480902473
Conc: 193.00 ng/ml



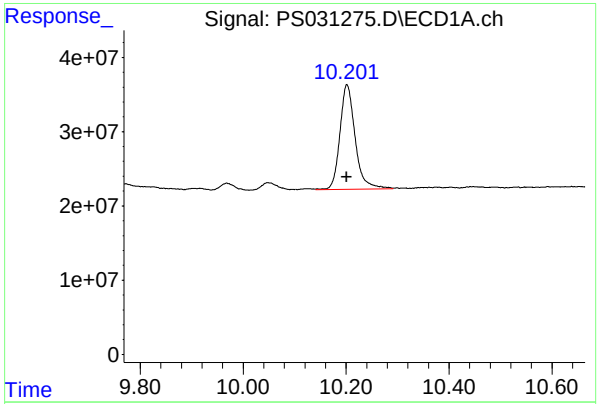
#12 2,4,5-T

R.T.: 9.623 min
Delta R.T.: 0.000 min
Response: 2308713314
Conc: 179.13 ng/ml



#12 2,4,5-T

R.T.: 10.355 min
Delta R.T.: 0.000 min
Response: 2217695770
Conc: 189.72 ng/ml



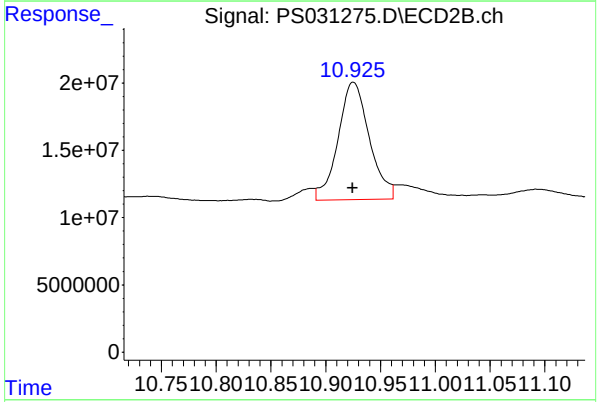
#13 2,4-DB

R.T.: 10.202 min
Delta R.T.: 0.000 min
Response: 289853079
Conc: 175.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

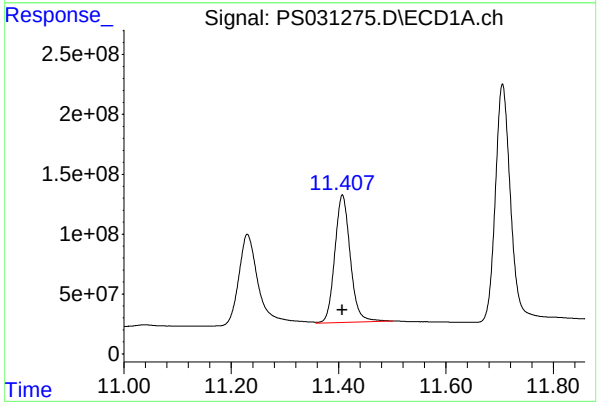
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



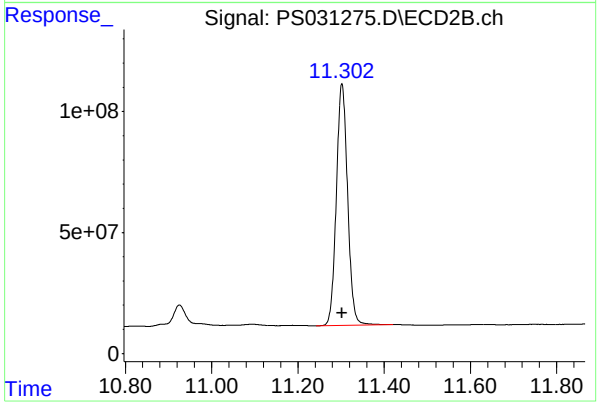
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.000 min
Response: 173007427
Conc: 180.98 ng/ml m



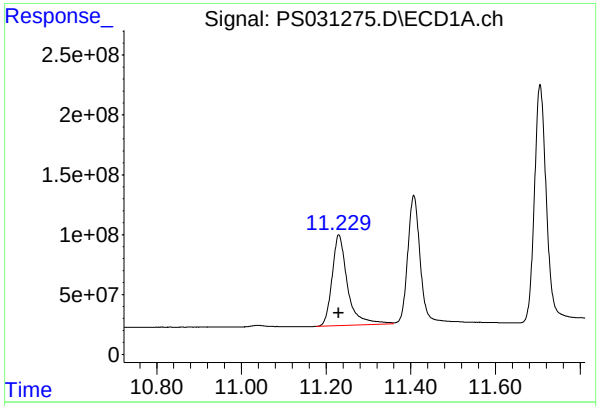
#14 DINOSEB

R.T.: 11.407 min
Delta R.T.: 0.000 min
Response: 2130418736
Conc: 187.19 ng/ml



#14 DINOSEB

R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 1807779840
Conc: 192.54 ng/ml



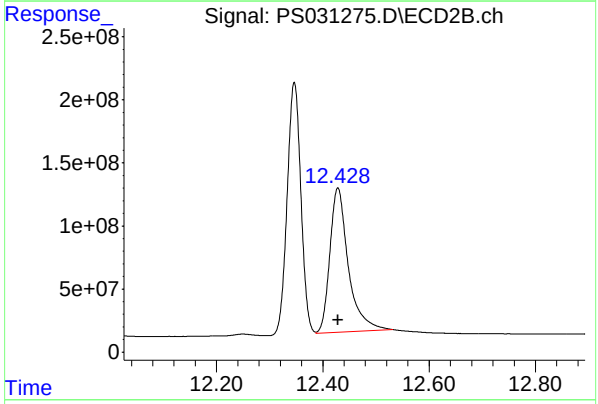
#15 Picloram

R.T.: 11.230 min
Delta R.T.: 0.000 min
Response: 1927245063
Conc: 173.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

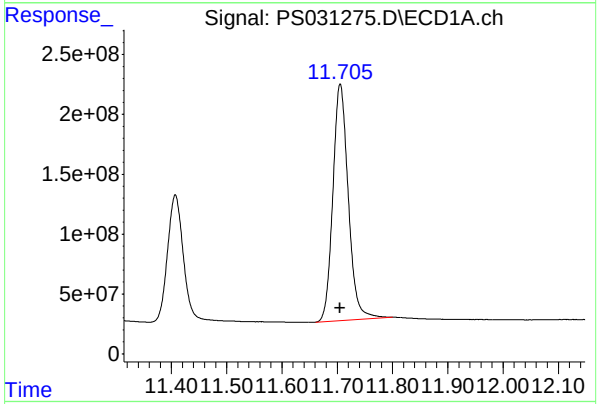
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



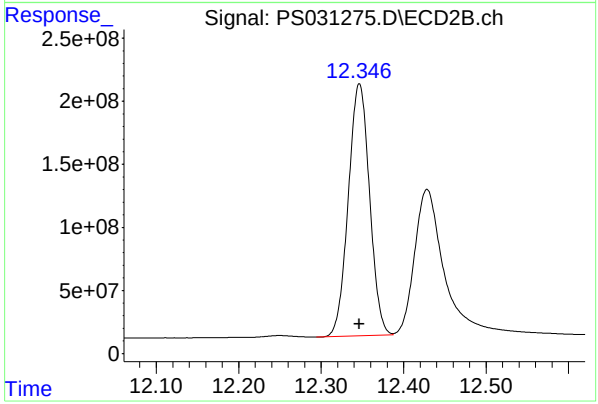
#15 Picloram

R.T.: 12.428 min
Delta R.T.: 0.000 min
Response: 2762429194
Conc: 170.67 ng/ml



#16 DCPA

R.T.: 11.705 min
Delta R.T.: 0.000 min
Response: 3829977338
Conc: 186.17 ng/ml



#16 DCPA

R.T.: 12.346 min
Delta R.T.: 0.000 min
Response: 3578820387
Conc: 191.07 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:54
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 29 17:37:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.316	7.766	1479.9E6	422.0E6	508.361	508.421
		Target Compounds						
1)	T	Dalapon	2.687	2.704	2224.4E6	1122.4E6	463.702	459.609
2)	T	3,5-DICHL...	6.478	6.713	2011.4E6	607.7E6	473.617	471.804
3)	T	4-Nitroph...	7.117	7.306	456.9E6	583.2E6	455.473	455.371
5)	T	DICAMBA	7.503	7.965	6116.3E6	2545.3E6	474.878	473.223
6)	T	MCPP	7.682	8.062	374.1E6	79075575	46.126	46.157
7)	T	MCPA	7.832	8.310	446.0E6	120.6E6	45.871	46.328
8)	T	DICHLORPROP	8.213	8.686	1443.5E6	621.4E6	481.940	479.870
9)	T	2,4-D	8.446	9.026	1210.6E6	662.6E6	472.078	476.764
10)	T	Pentachlo...	8.744	9.538	23252.7E6	16426.0E6	480.076	480.083
11)	T	2,4,5-TP ...	9.327	9.924	7989.1E6	6145.5E6	477.029	481.888
12)	T	2,4,5-T	9.622	10.353	6223.9E6	5603.4E6	469.473	479.022
13)	T	2,4-DB	10.200	10.923	801.6E6	473.4E6	467.453	481.624
14)	T	DINOSEB	11.406	11.302	5344.4E6	4392.7E6	468.594	473.565
15)	T	Picloram	11.228	12.423	5380.0E6	7919.9E6	463.946	465.630
16)	T	DCPA	11.705	12.346	10037.6E6	9125.4E6	480.627	486.010

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

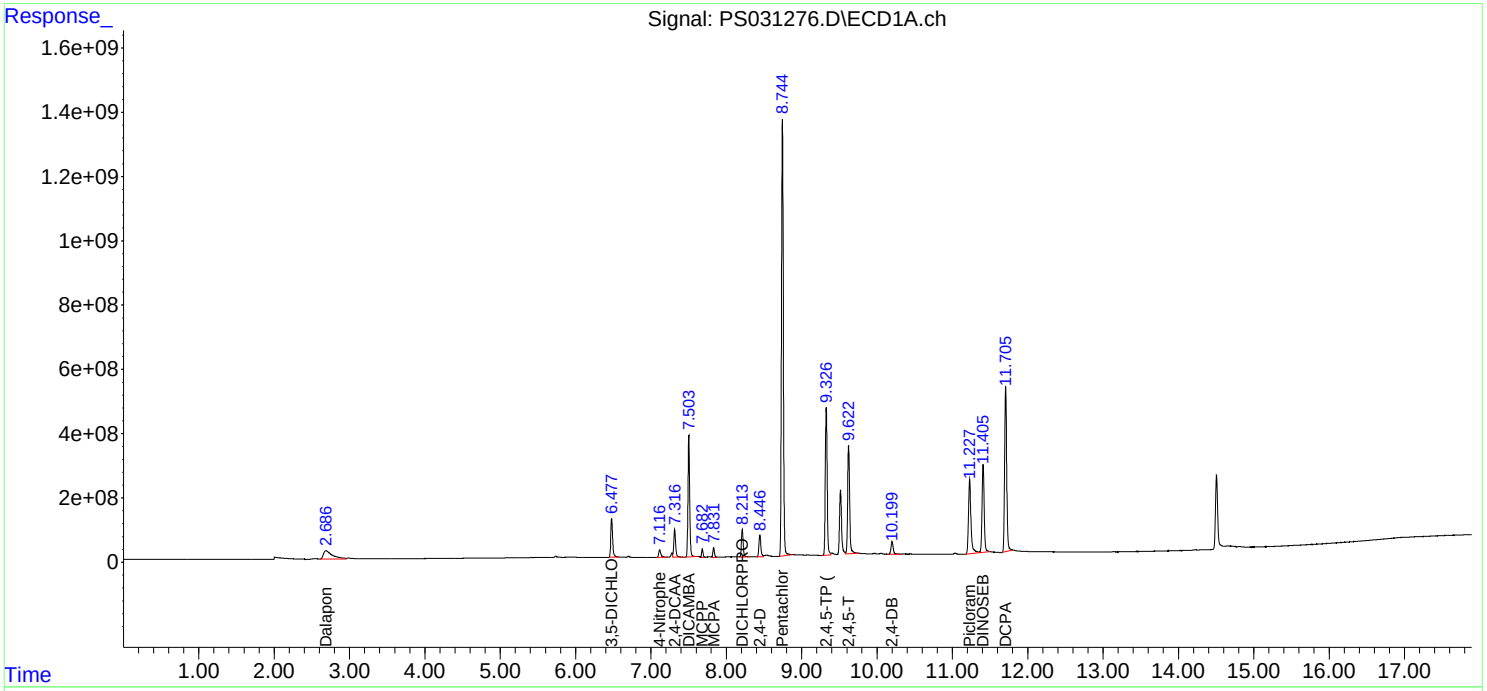
ICAL Form

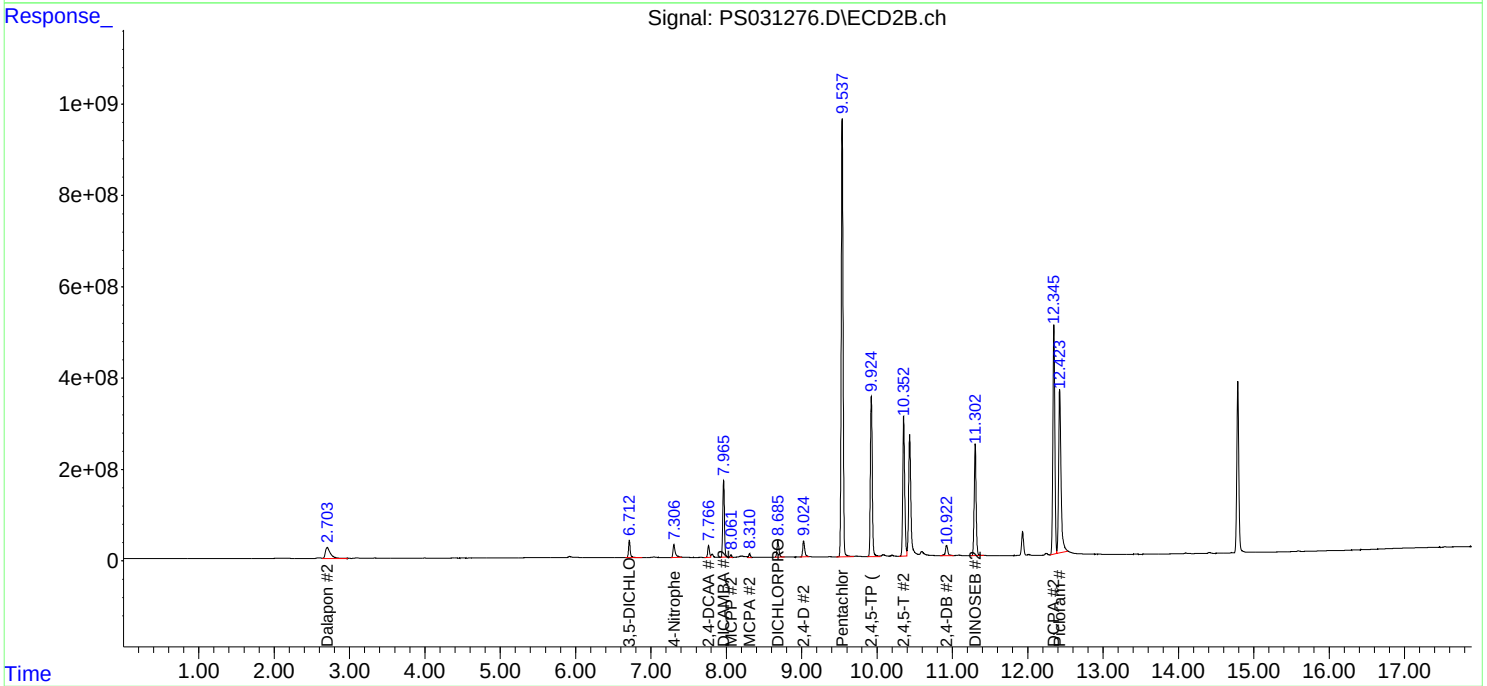
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:54
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

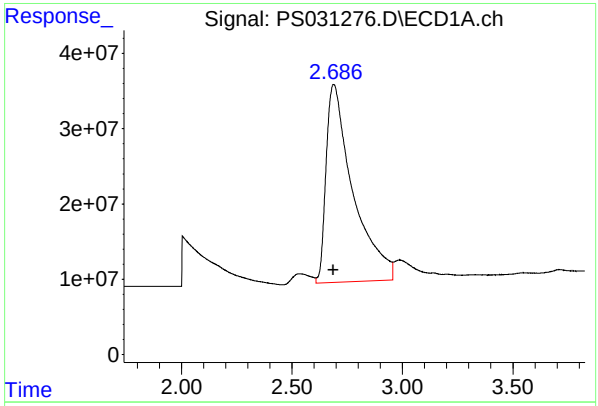
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 17:37:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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



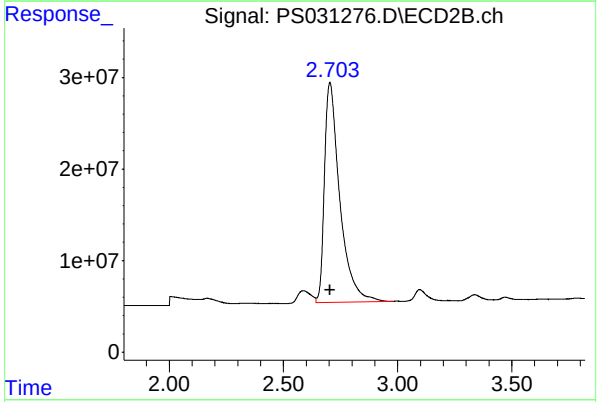




#1 Dalapon

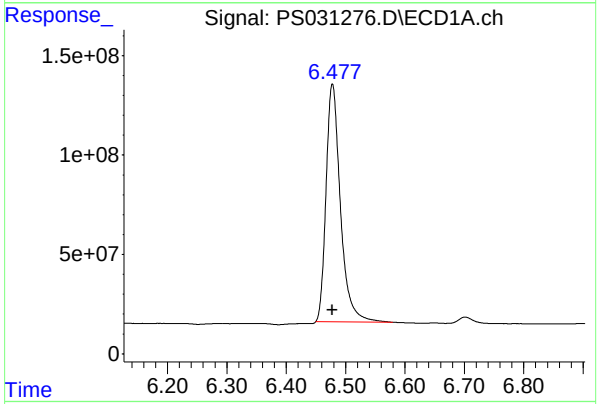
R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 2224356255
Conc: 463.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



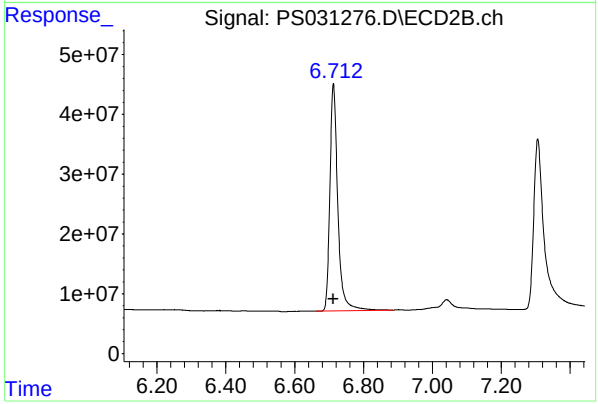
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1122375120
Conc: 459.61 ng/ml



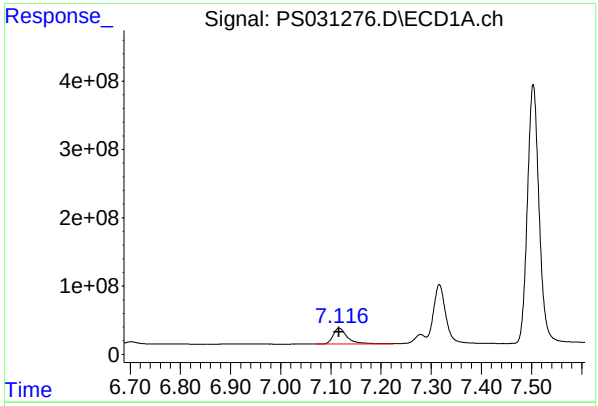
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 2011437664
Conc: 473.62 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

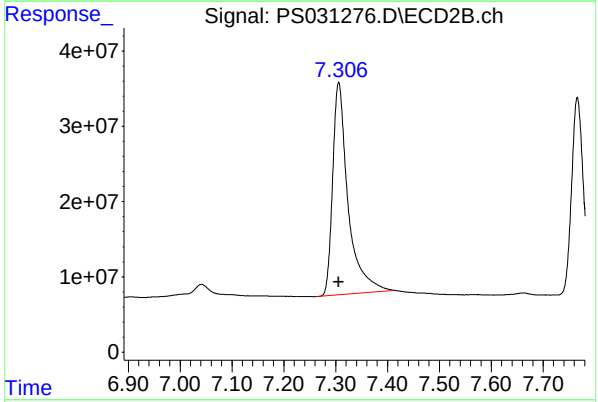
R.T.: 6.713 min
Delta R.T.: 0.000 min
Response: 607709799
Conc: 471.80 ng/ml



#3 4-Nitrophenol

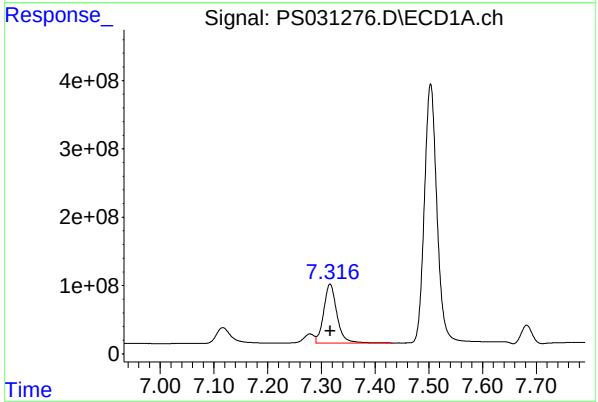
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 456899012
Conc: 455.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



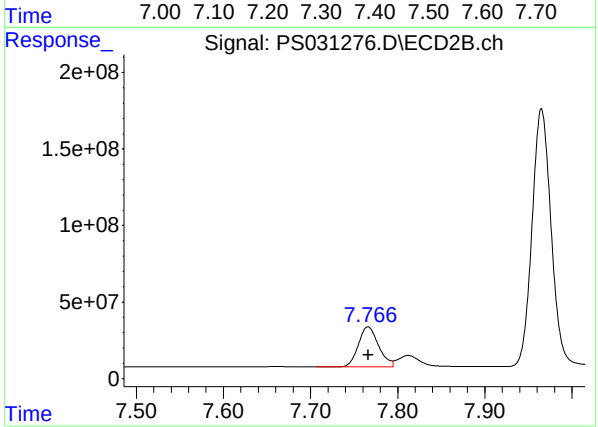
#3 4-Nitrophenol

R.T.: 7.306 min
Delta R.T.: 0.000 min
Response: 583230187
Conc: 455.37 ng/ml



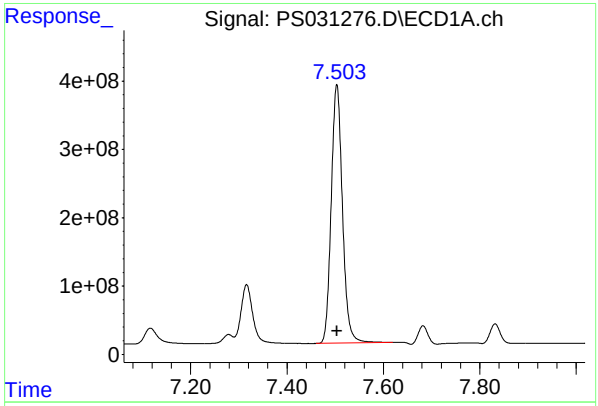
#4 2,4-DCAA

R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 1479863086
Conc: 508.36 ng/ml



#4 2,4-DCAA

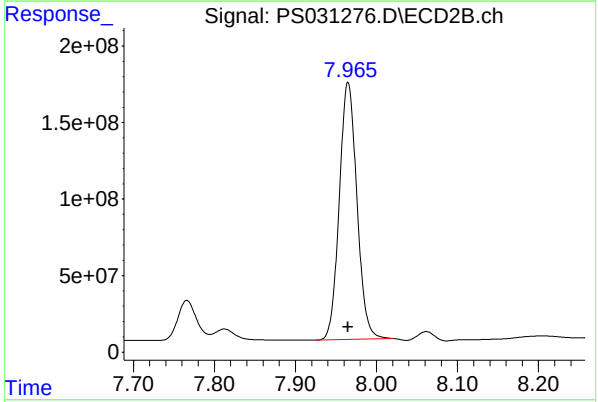
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 421994846
Conc: 508.42 ng/ml



#5 DICAMBA

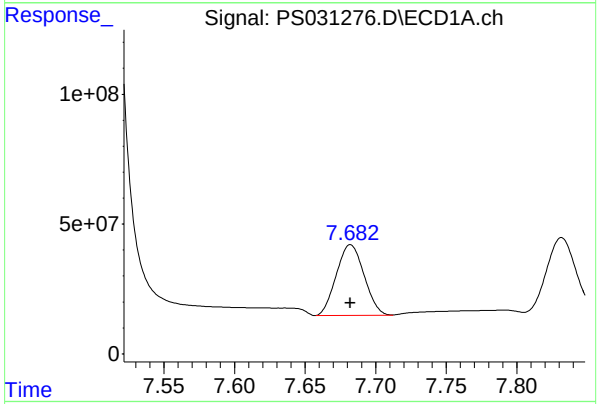
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 6116274894
Conc: 474.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



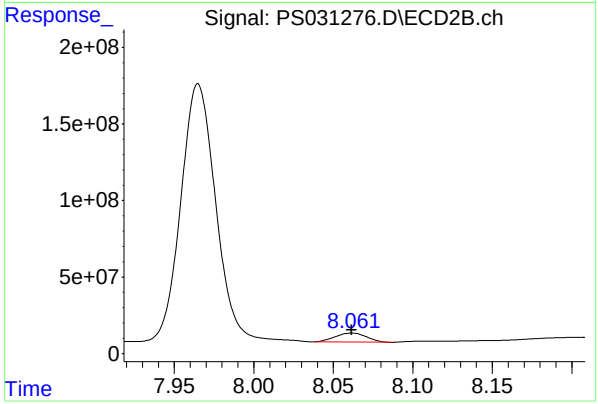
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: 0.000 min
Response: 2545312955
Conc: 473.22 ng/ml



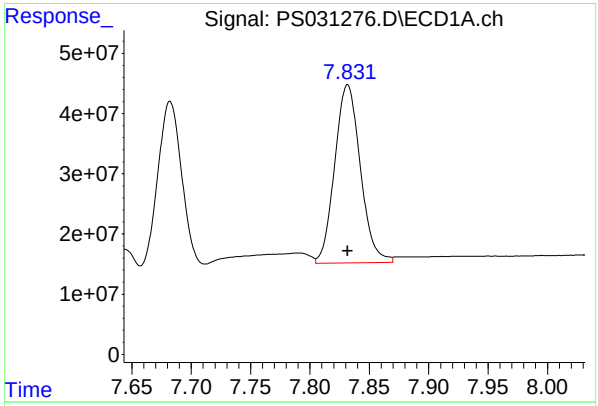
#6 MCPP

R.T.: 7.682 min
Delta R.T.: 0.000 min
Response: 374058775
Conc: 46.13 ug/ml



#6 MCPP

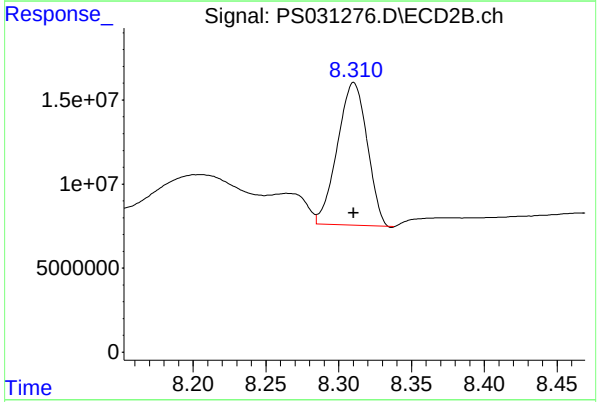
R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 79075575
Conc: 46.16 ug/ml



#7 MCPA

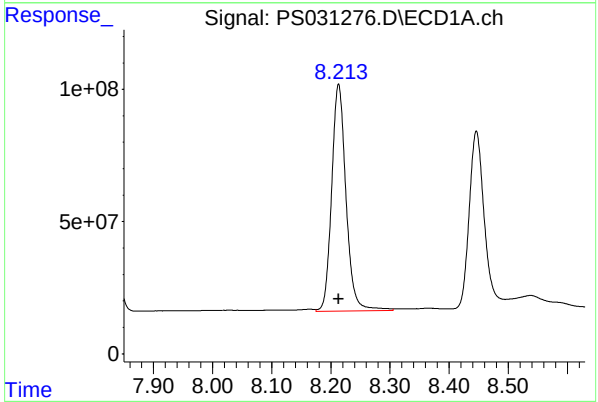
R.T.: 7.832 min
Delta R.T.: 0.000 min
Response: 445976418
Conc: 45.87 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



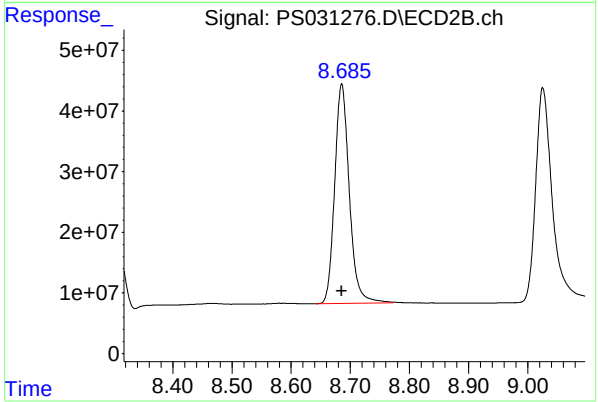
#7 MCPA

R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 120618566
Conc: 46.33 ug/ml



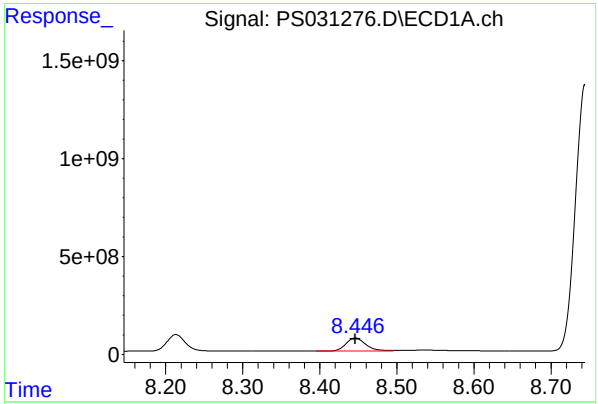
#8 DICHLORPROP

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 1443500988
Conc: 481.94 ng/ml



#8 DICHLORPROP

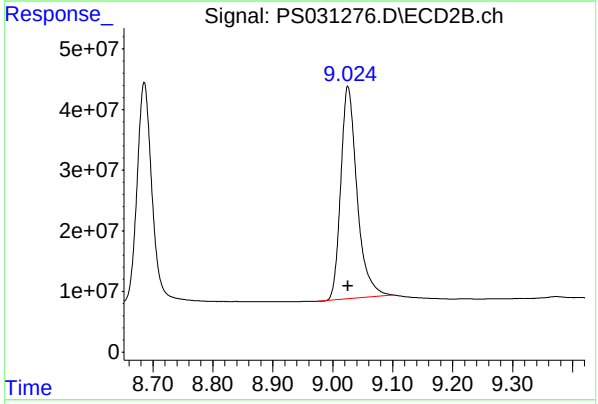
R.T.: 8.686 min
Delta R.T.: 0.000 min
Response: 621364556
Conc: 479.87 ng/ml



#9 2,4-D

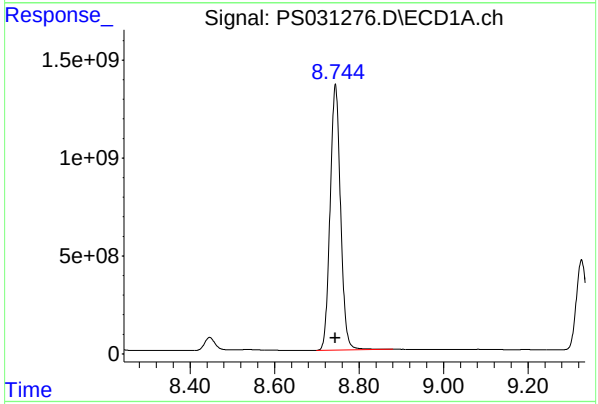
R.T.: 8.446 min
Delta R.T.: 0.000 min
Response: 1210643112
Conc: 472.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



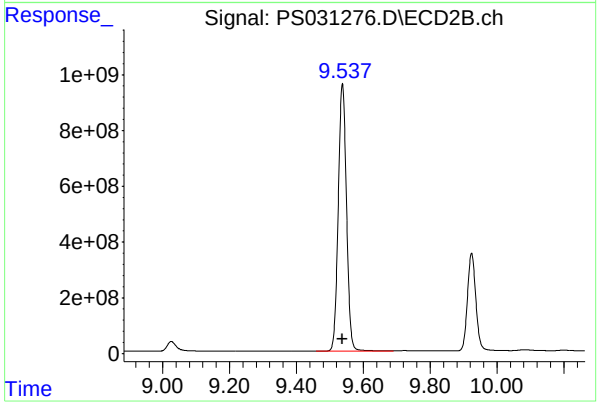
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.000 min
Response: 662626957
Conc: 476.76 ng/ml



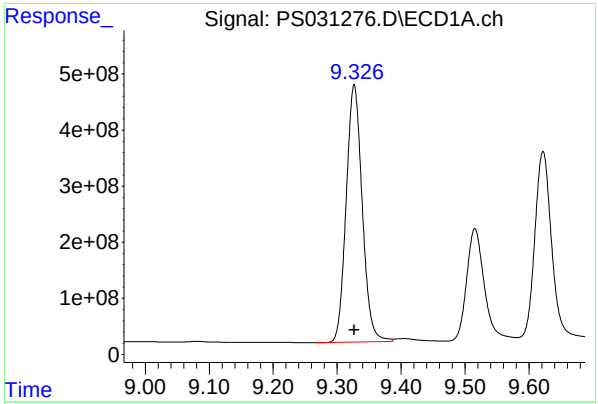
#10 Pentachlorophenol

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 23252674563
Conc: 480.08 ng/ml



#10 Pentachlorophenol

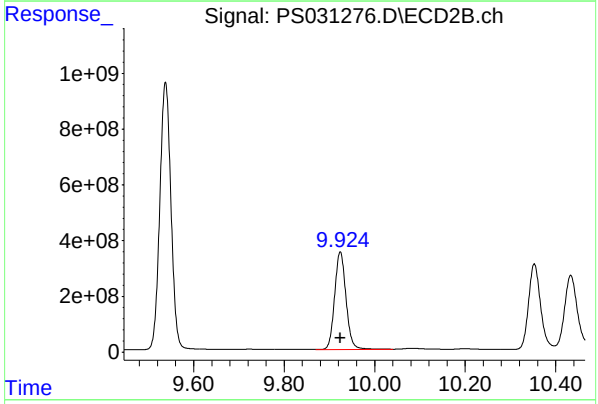
R.T.: 9.538 min
Delta R.T.: 0.000 min
Response: 16426048285
Conc: 480.08 ng/ml



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

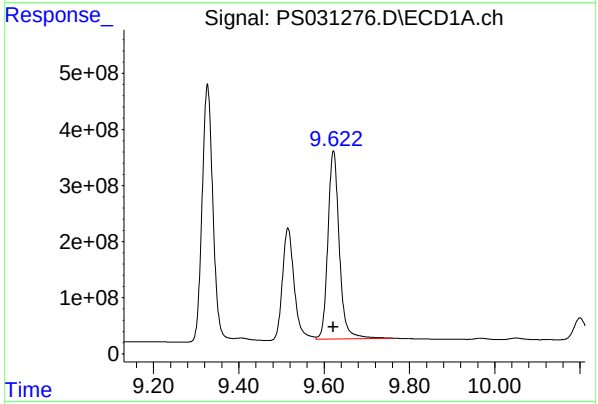
R.T.: 9.327 min
Delta R.T.: 0.000 min
Response: 7989076151
Conc: 477.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



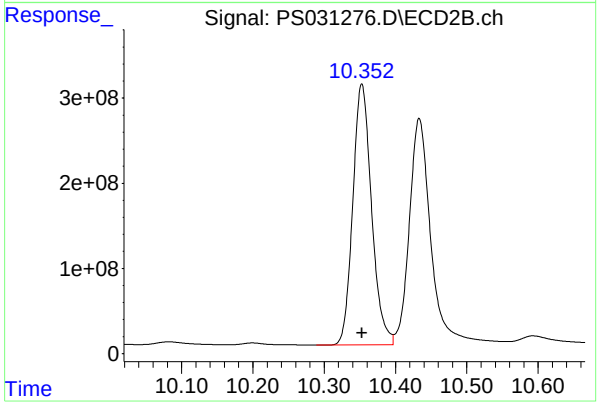
#11 2,4,5-TP (SILVEX)

R.T.: 9.924 min
Delta R.T.: 0.000 min
Response: 6145509752
Conc: 481.89 ng/ml



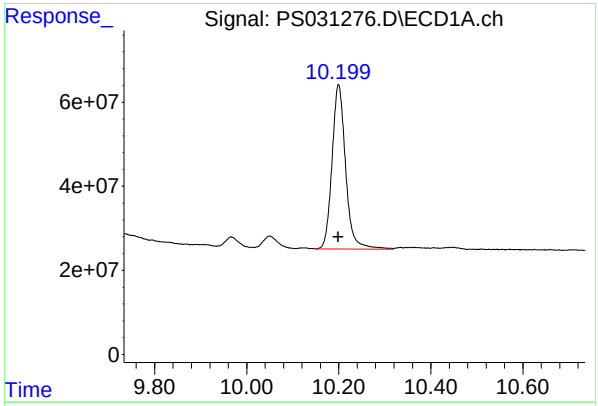
#12 2,4,5-T

R.T.: 9.622 min
Delta R.T.: 0.000 min
Response: 6223936110
Conc: 469.47 ng/ml



#12 2,4,5-T

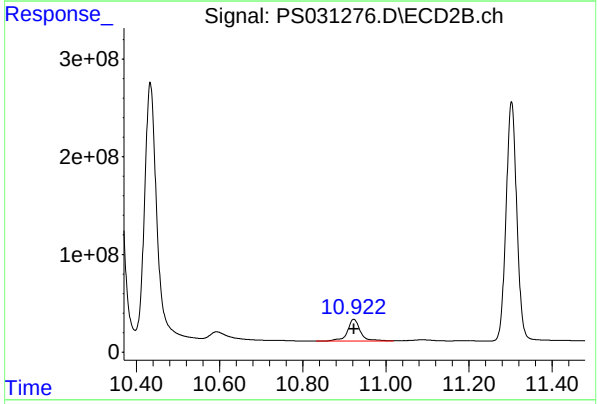
R.T.: 10.353 min
Delta R.T.: 0.000 min
Response: 5603420201
Conc: 479.02 ng/ml



#13 2,4-DB

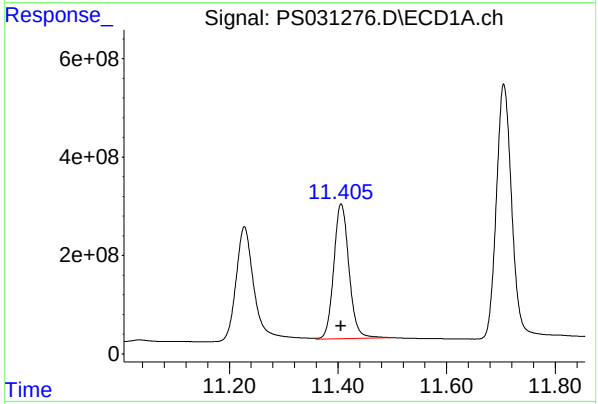
R.T.: 10.200 min
Delta R.T.: 0.000 min
Response: 801599997
Conc: 467.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



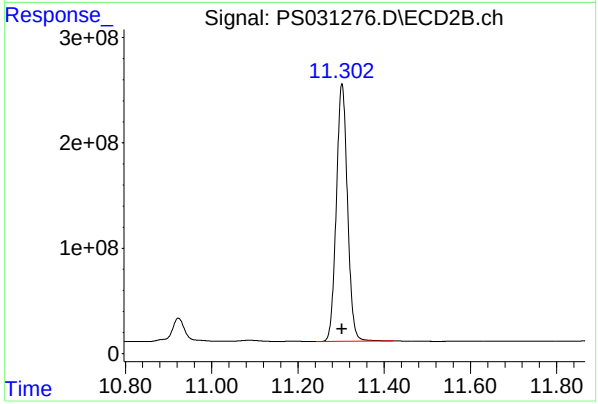
#13 2,4-DB

R.T.: 10.923 min
Delta R.T.: 0.000 min
Response: 473395264
Conc: 481.62 ng/ml



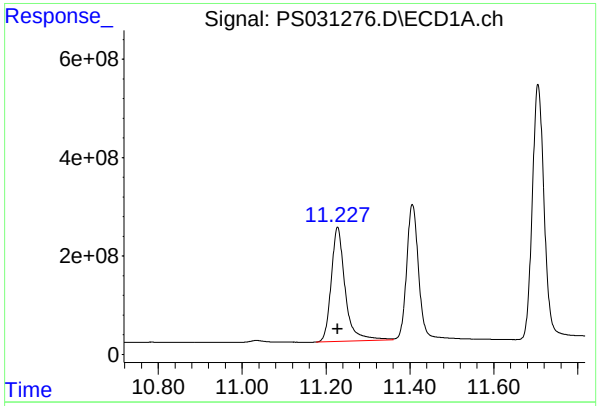
#14 DINOSEB

R.T.: 11.406 min
Delta R.T.: 0.000 min
Response: 5344374829
Conc: 468.59 ng/ml



#14 DINOSEB

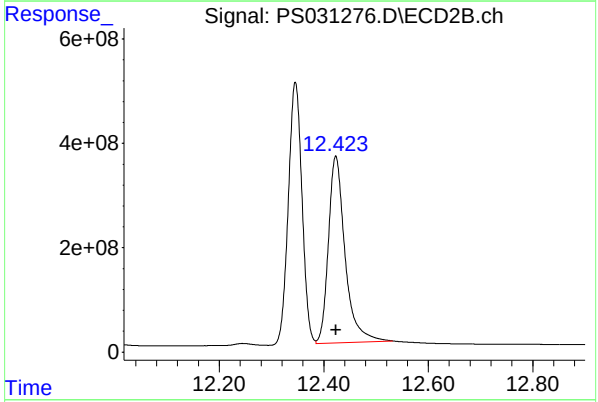
R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 4392684780
Conc: 473.57 ng/ml



#15 Picloram

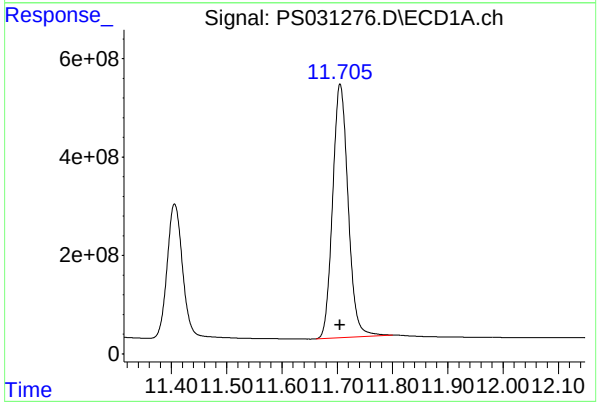
R.T.: 11.228 min
Delta R.T.: 0.000 min
Response: 5380047924
Conc: 463.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



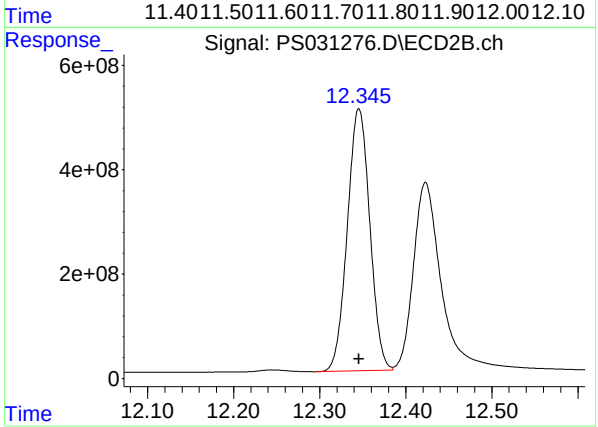
#15 Picloram

R.T.: 12.423 min
Delta R.T.: 0.000 min
Response: 7919923598
Conc: 465.63 ng/ml



#16 DCPA

R.T.: 11.705 min
Delta R.T.: 0.000 min
Response: 10037615738
Conc: 480.63 ng/ml



#16 DCPA

R.T.: 12.346 min
Delta R.T.: 0.000 min
Response: 9125430785
Conc: 486.01 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:18
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 29 17:35:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.766	2146.8E6	612.0E6	750.000	750.000
		Target Compounds						
1)	T	Dalapon	2.691	2.703	3211.3E6	1649.8E6	682.500	682.500
2)	T	3,5-DICHL...	6.478	6.712	2907.4E6	885.3E6	697.500	697.500
3)	T	4-Nitroph...	7.115	7.304	683.9E6	873.4E6	682.500	682.500
5)	T	DICAMBA	7.503	7.965	8985.9E6	3766.0E6	705.000	705.000
6)	T	MCPP	7.683	8.063	582.3E6	122.9E6	70.500	70.500
7)	T	MCPA	7.833	8.312	687.3E6	182.3E6	69.750	69.750
8)	T	DICHLORPROP	8.213	8.685	2058.0E6	893.7E6	705.000	705.000
9)	T	2,4-D	8.446	9.025	1800.0E6	965.7E6	705.000	705.000
10)	T	Pentachlo...	8.744	9.538	34141.5E6	24117.3E6	712.500	712.500
11)	T	2,4,5-TP ...	9.327	9.924	11881.7E6	8954.8E6	712.500	712.500
12)	T	2,4,5-T	9.621	10.352	9555.7E6	8264.0E6	712.500	712.500
13)	T	2,4-DB	10.199	10.922	1241.2E6	690.6E6	712.500	712.500
14)	T	DINOSEB	11.407	11.302	8064.7E6	6489.8E6	705.000	705.000
15)	T	Picloram	11.227	12.421	8454.6E6	12358.0E6	712.500	712.500
16)	T	DCPA	11.705	12.345	15017.1E6	13349.6E6	720.000	720.000

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

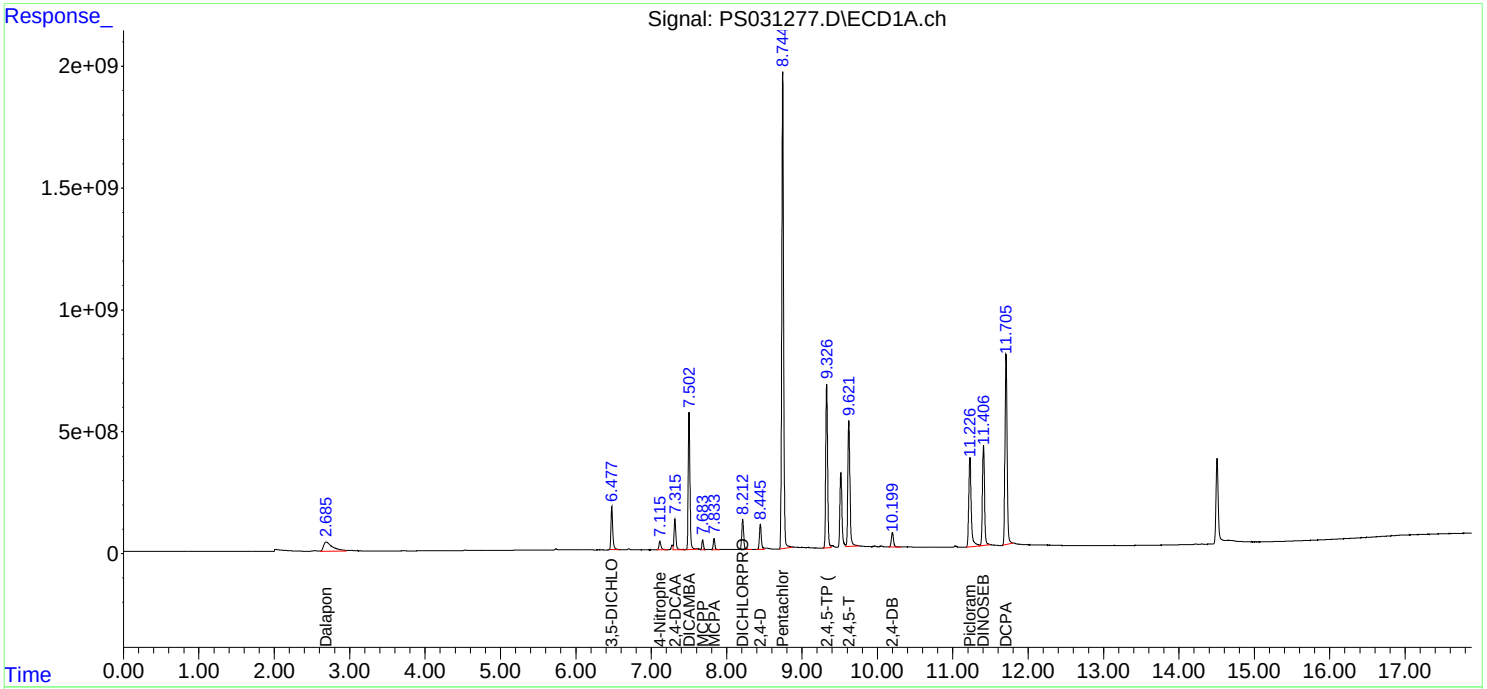
ICAL Form

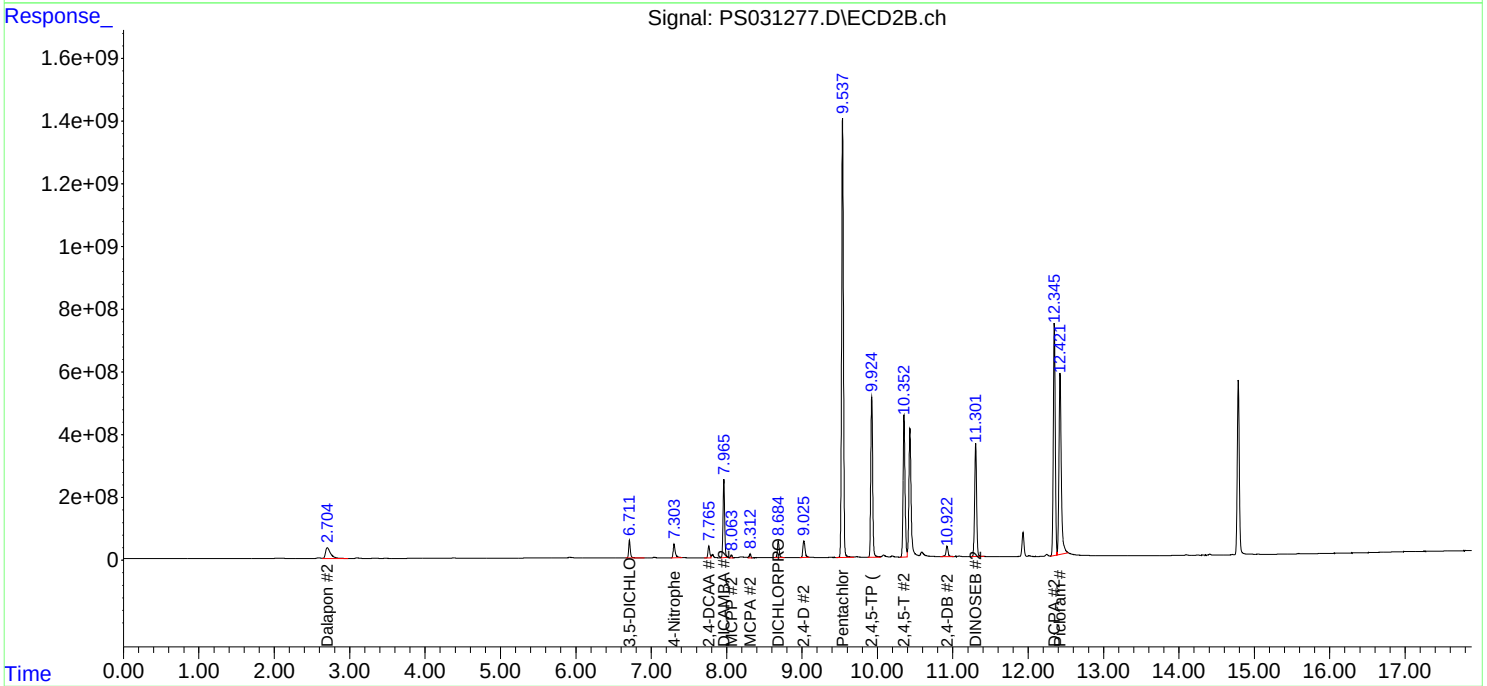
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:18
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

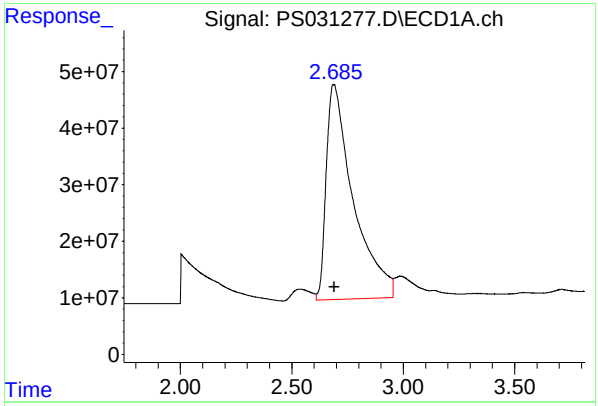
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 17:35:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 17:34:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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



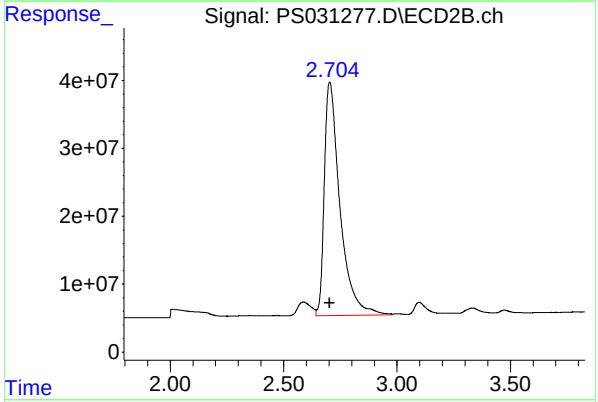




#1 Dalapon

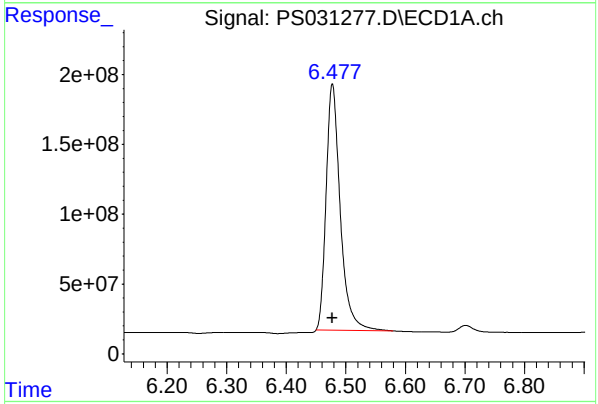
R.T.: 2.691 min
Delta R.T.: 0.000 min
Response: 3211305240
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



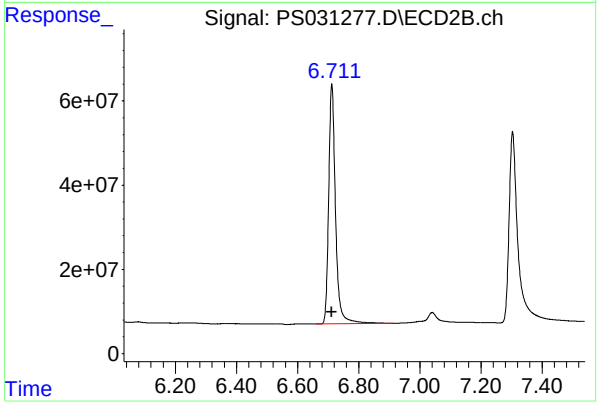
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1649800015
Conc: 682.50 ng/ml



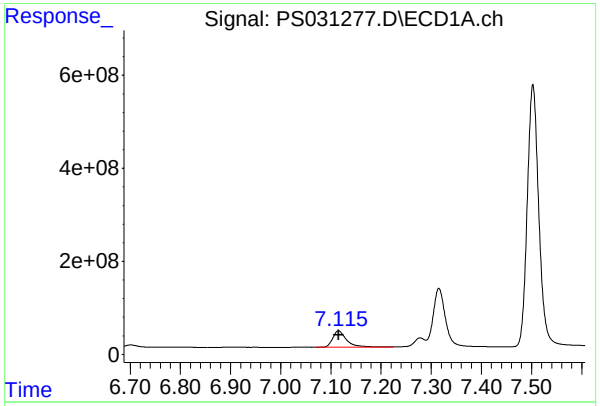
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 2907372904
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

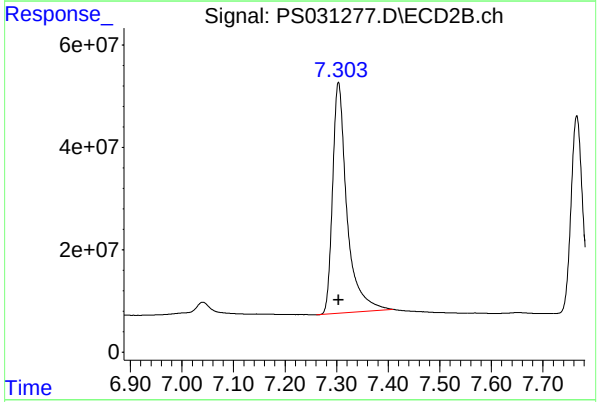
R.T.: 6.712 min
Delta R.T.: 0.000 min
Response: 885273438
Conc: 697.50 ng/ml



#3 4-Nitrophenol

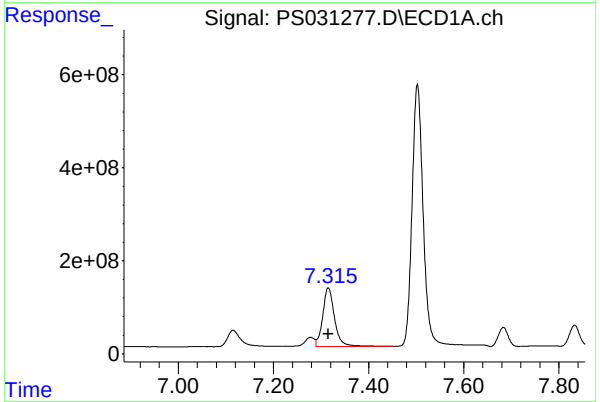
R.T.: 7.115 min
Delta R.T.: 0.000 min
Response: 683925744
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



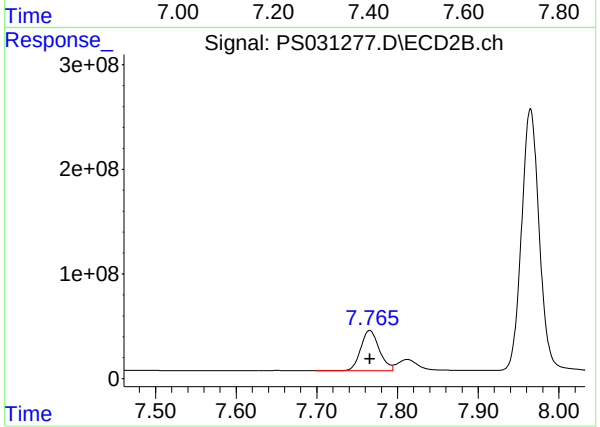
#3 4-Nitrophenol

R.T.: 7.304 min
Delta R.T.: 0.000 min
Response: 873418226
Conc: 682.50 ng/ml



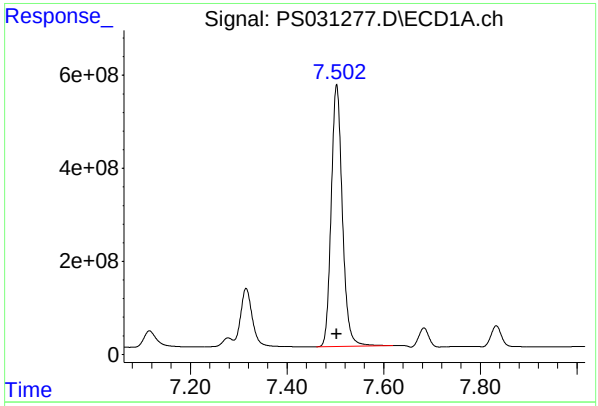
#4 2,4-DCAA

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 2146780378
Conc: 750.00 ng/ml



#4 2,4-DCAA

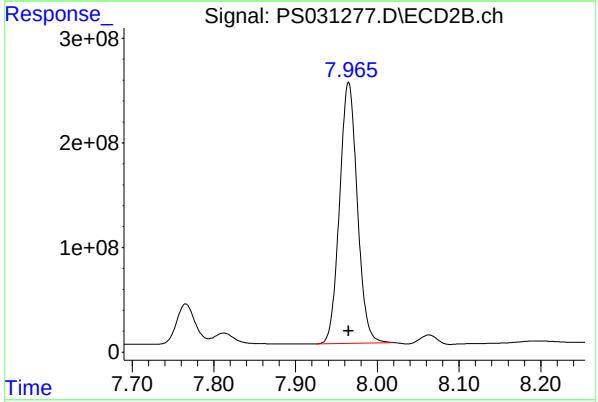
R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 612024270
Conc: 750.00 ng/ml



#5 DICAMBA

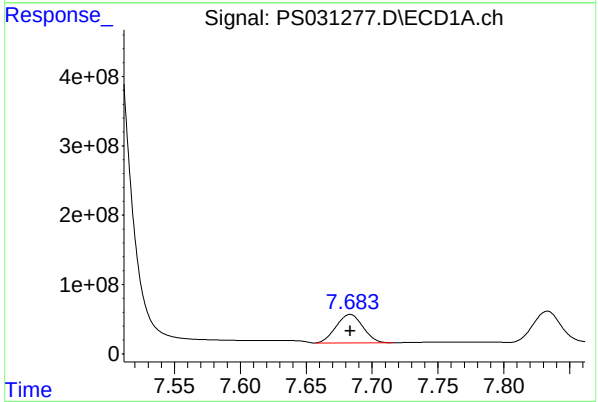
R.T.: 7.503 min
Delta R.T.: 0.000 min
Response: 8985922875
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



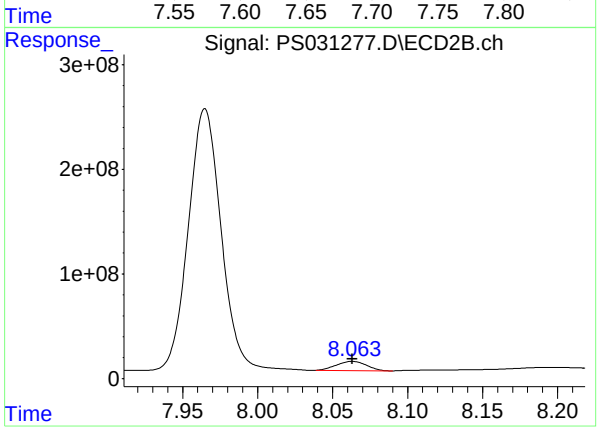
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: 0.000 min
Response: 3765960559
Conc: 705.00 ng/ml



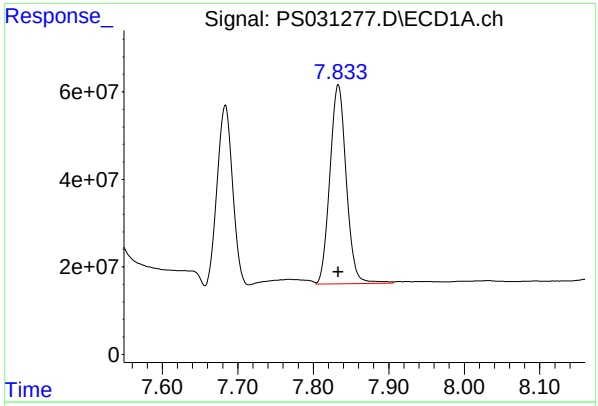
#6 MCPP

R.T.: 7.683 min
Delta R.T.: 0.000 min
Response: 582344049
Conc: 70.50 ug/ml



#6 MCPP

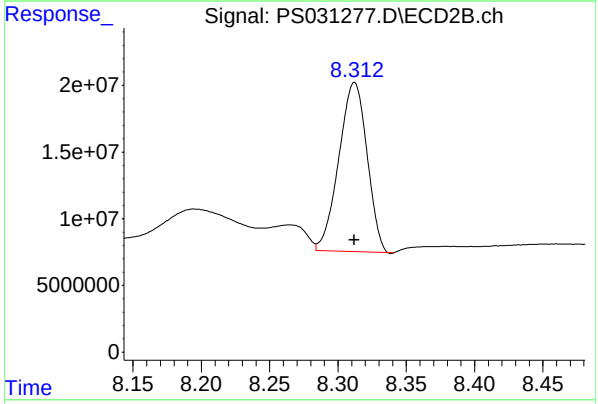
R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 122945736
Conc: 70.50 ug/ml



#7 MCPA

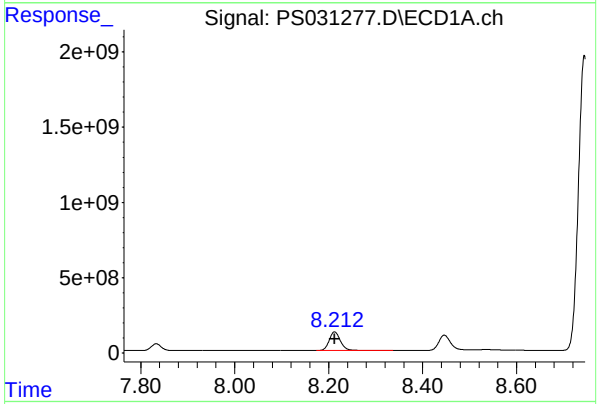
R.T.: 7.833 min
Delta R.T.: 0.000 min
Response: 687321438
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



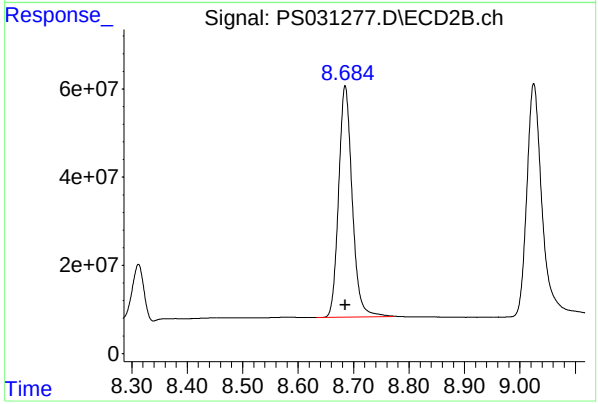
#7 MCPA

R.T.: 8.312 min
Delta R.T.: 0.000 min
Response: 182274943
Conc: 69.75 ug/ml



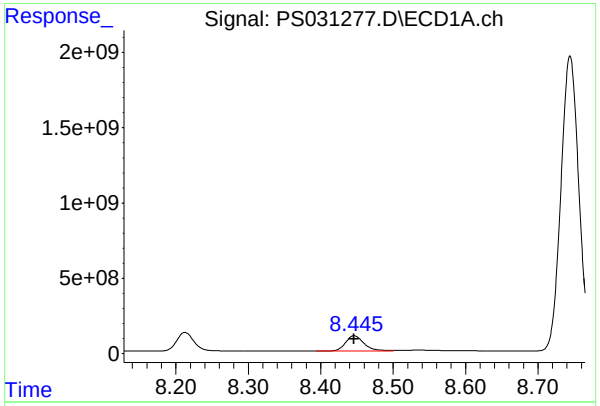
#8 DICHLORPROP

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 2057962909
Conc: 705.00 ng/ml



#8 DICHLORPROP

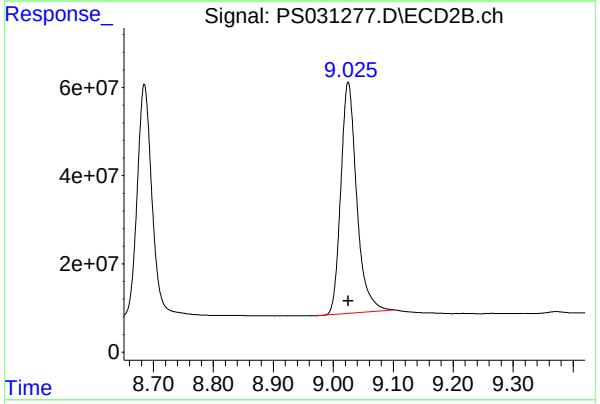
R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 893706958
Conc: 705.00 ng/ml



#9 2,4-D

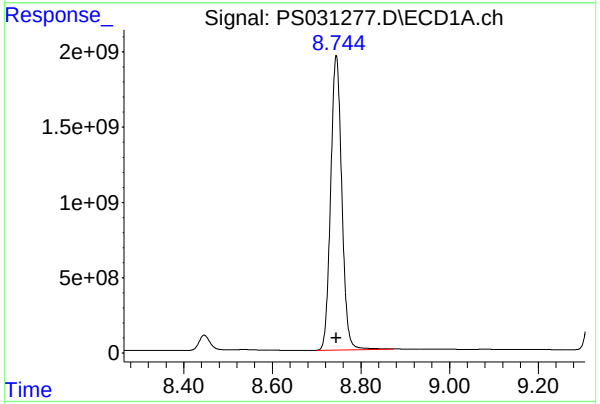
R.T.: 8.446 min
Delta R.T.: 0.000 min
Response: 1799975269
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



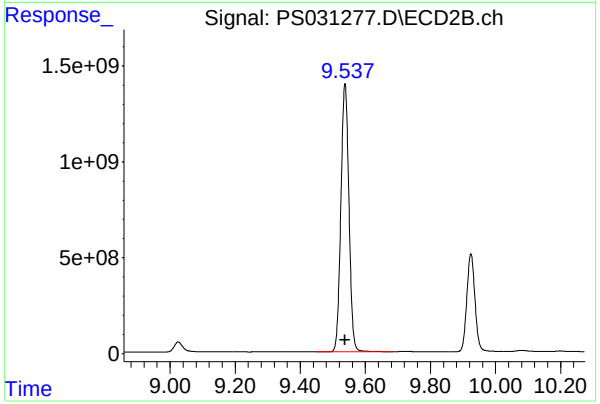
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.000 min
Response: 965738745
Conc: 705.00 ng/ml



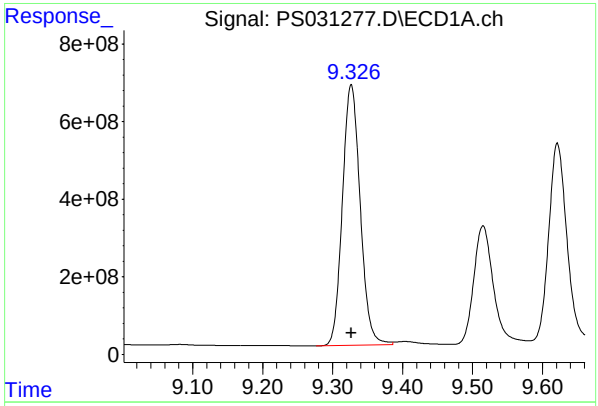
#10 Pentachlorophenol

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 34141503984
Conc: 712.50 ng/ml



#10 Pentachlorophenol

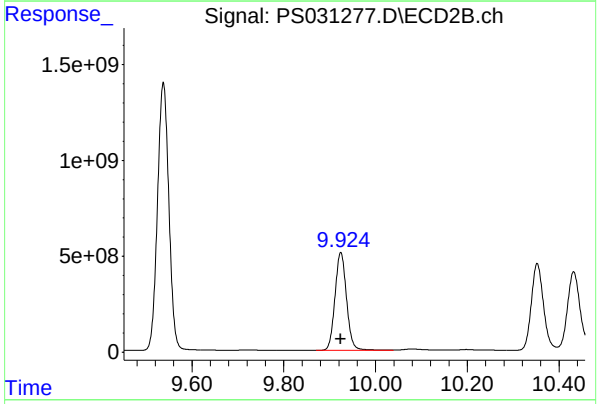
R.T.: 9.538 min
Delta R.T.: 0.000 min
Response: 24117277607
Conc: 712.50 ng/ml



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

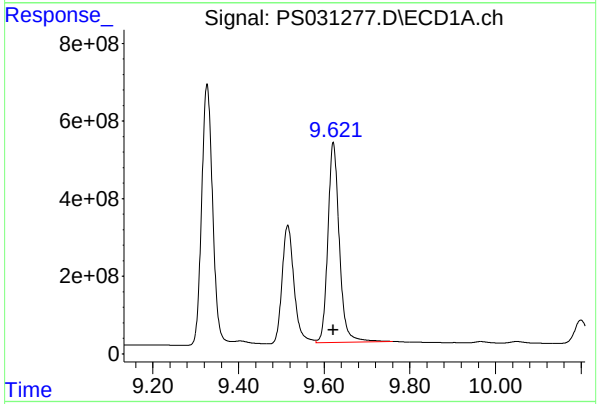
R.T.: 9.327 min
Delta R.T.: 0.000 min
Response: 11881690951
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



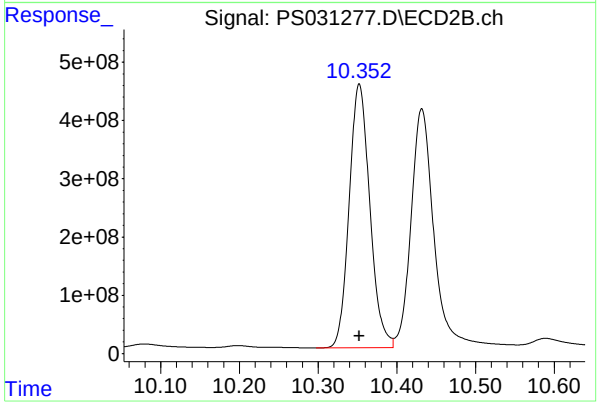
#11 2,4,5-TP (SILVEX)

R.T.: 9.924 min
Delta R.T.: 0.000 min
Response: 8954752050
Conc: 712.50 ng/ml



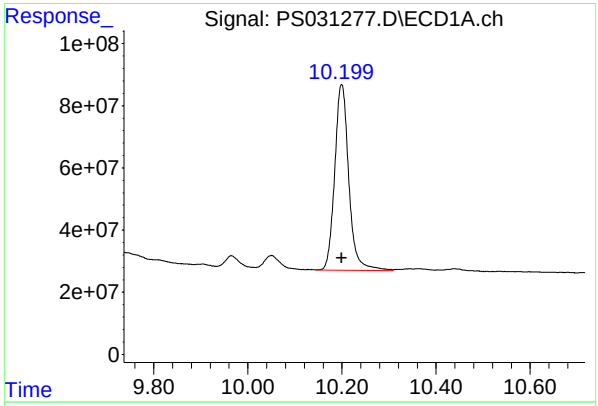
#12 2,4,5-T

R.T.: 9.621 min
Delta R.T.: 0.000 min
Response: 9555737155
Conc: 712.50 ng/ml



#12 2,4,5-T

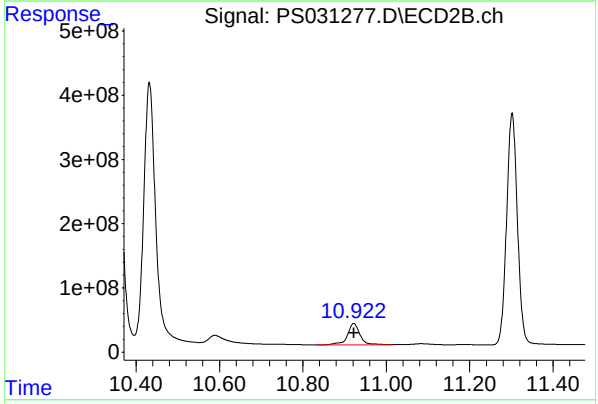
R.T.: 10.352 min
Delta R.T.: 0.000 min
Response: 8263983684
Conc: 712.50 ng/ml



#13 2,4-DB

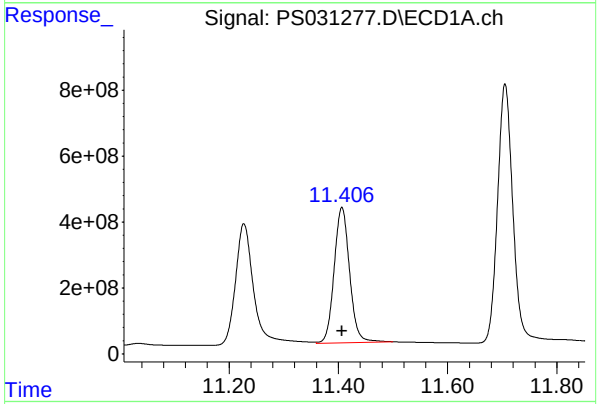
R.T.: 10.199 min
Delta R.T.: 0.000 min
Response: 1241226059
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



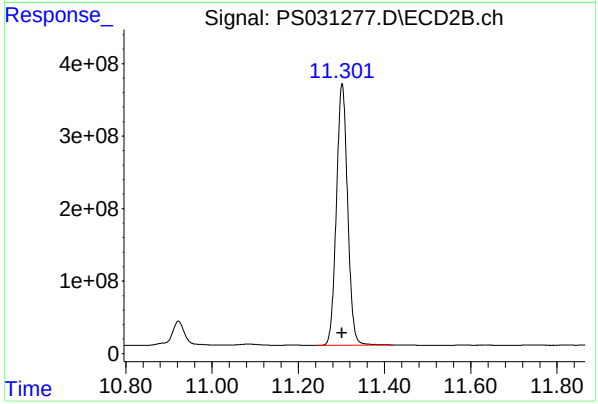
#13 2,4-DB

R.T.: 10.922 min
Delta R.T.: 0.000 min
Response: 690560381
Conc: 712.50 ng/ml



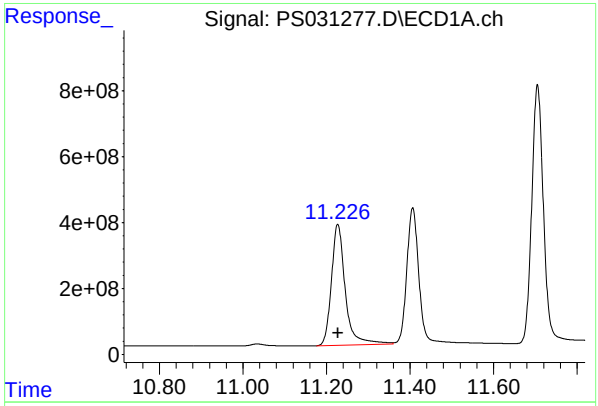
#14 DINOSEB

R.T.: 11.407 min
Delta R.T.: 0.000 min
Response: 8064668313
Conc: 705.00 ng/ml



#14 DINOSEB

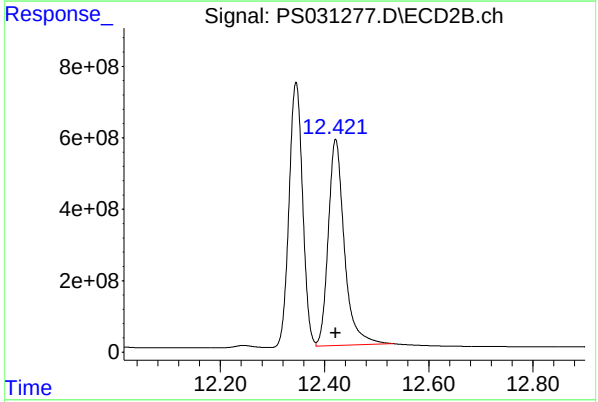
R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 6489810541
Conc: 705.00 ng/ml



#15 Picloram

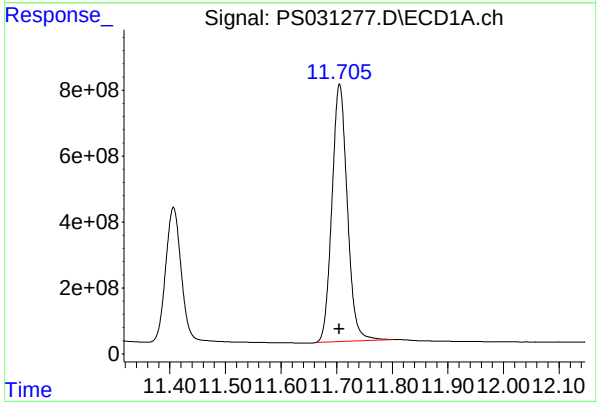
R.T.: 11.227 min
Delta R.T.: 0.000 min
Response: 8454609932
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



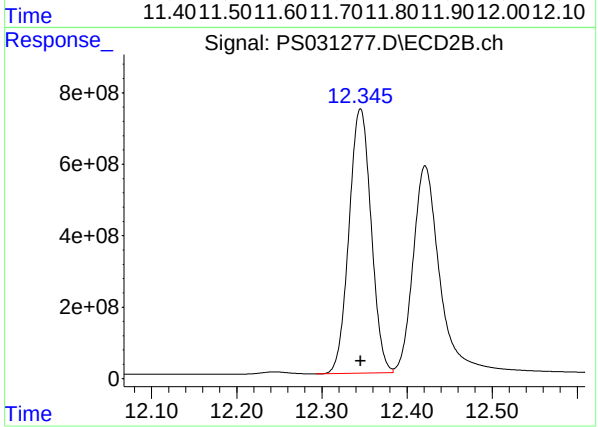
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.000 min
Response: 12357993561
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.705 min
Delta R.T.: 0.000 min
Response: 15017113221
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.345 min
Delta R.T.: 0.000 min
Response: 13349608865
Conc: 720.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:42
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:33:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:33:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.764	2871.4E6	820.7E6	976.793	975.983
		Target Compounds						
1)	T	Dalapon	2.689	2.703	4309.1E6	2208.8E6	888.905	893.428
2)	T	3,5-DICHL...	6.477	6.711	3892.4E6	1185.2E6	910.365	910.687
3)	T	4-Nitroph...	7.114	7.301	945.7E6	1196.9E6	934.559	934.927
5)	T	DICAMBA	7.502	7.964	12163.5E6	5140.8E6	938.734	951.834
6)	T	MCPP	7.684	8.063	823.6E6	177.0E6	106.274	106.245m
7)	T	MCPA	7.835	8.313	965.9E6	254.5E6	101.577	99.709
8)	T	DICHLORPROP	8.212	8.684	2772.3E6	1187.2E6	900.895	903.247
9)	T	2,4-D	8.445	9.023	2472.2E6	1298.1E6	956.774	925.645
10)	T	Pentachlo...	8.746	9.537	43280.1E6	32447.1E6	904.476	950.066
11)	T	2,4,5-TP ...	9.326	9.923	16047.7E6	11999.5E6	961.178	937.566
12)	T	2,4,5-T	9.621	10.351	13235.5E6	11142.3E6	1006.546	952.412
13)	T	2,4-DB	10.199	10.921	1764.9E6	929.1E6	1036.187	964.182
14)	T	DINOSEB	11.406	11.301	10986.1E6	8765.9E6	958.868	935.207
15)	T	Picloram	11.225	12.420	11830.2E6	17241.2E6	1033.456	1033.863
16)	T	DCPA	11.705	12.344	20376.3E6	17998.5E6	982.676	960.682

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 17:42
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

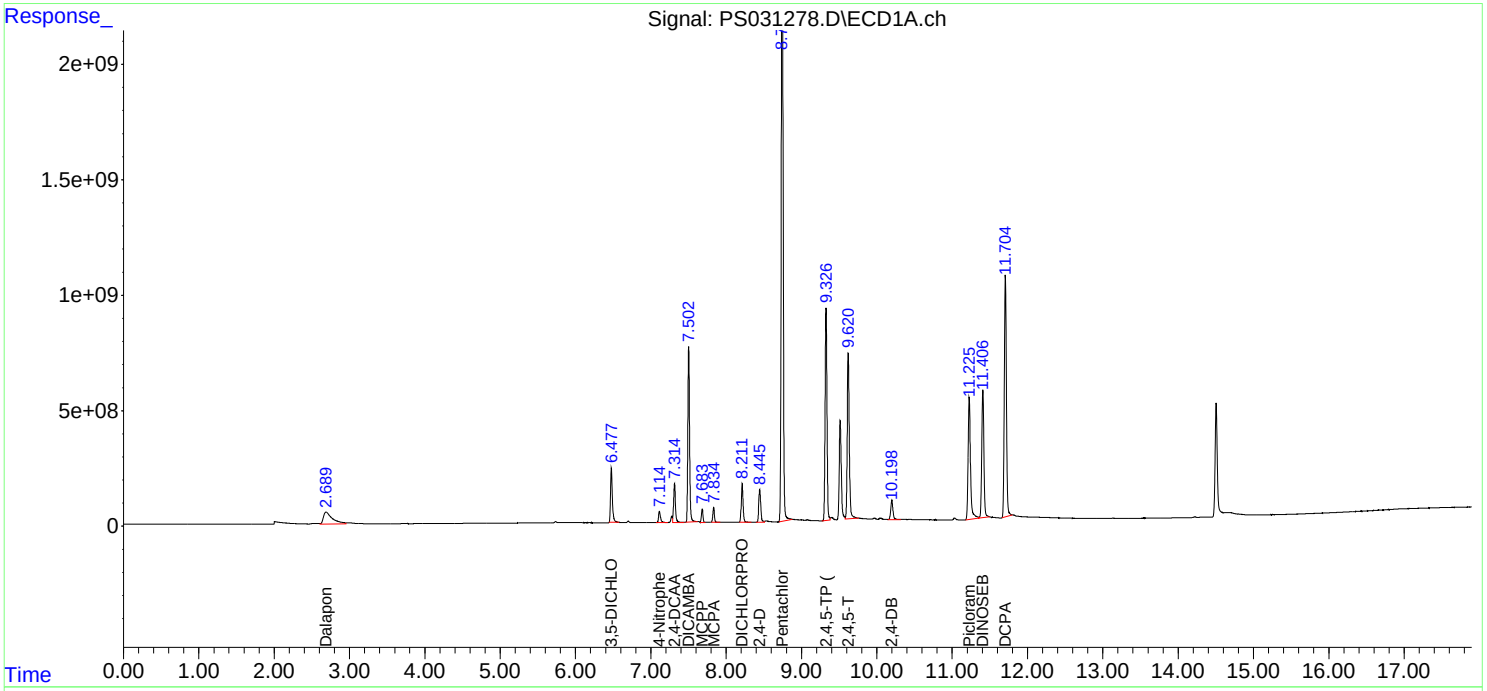
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

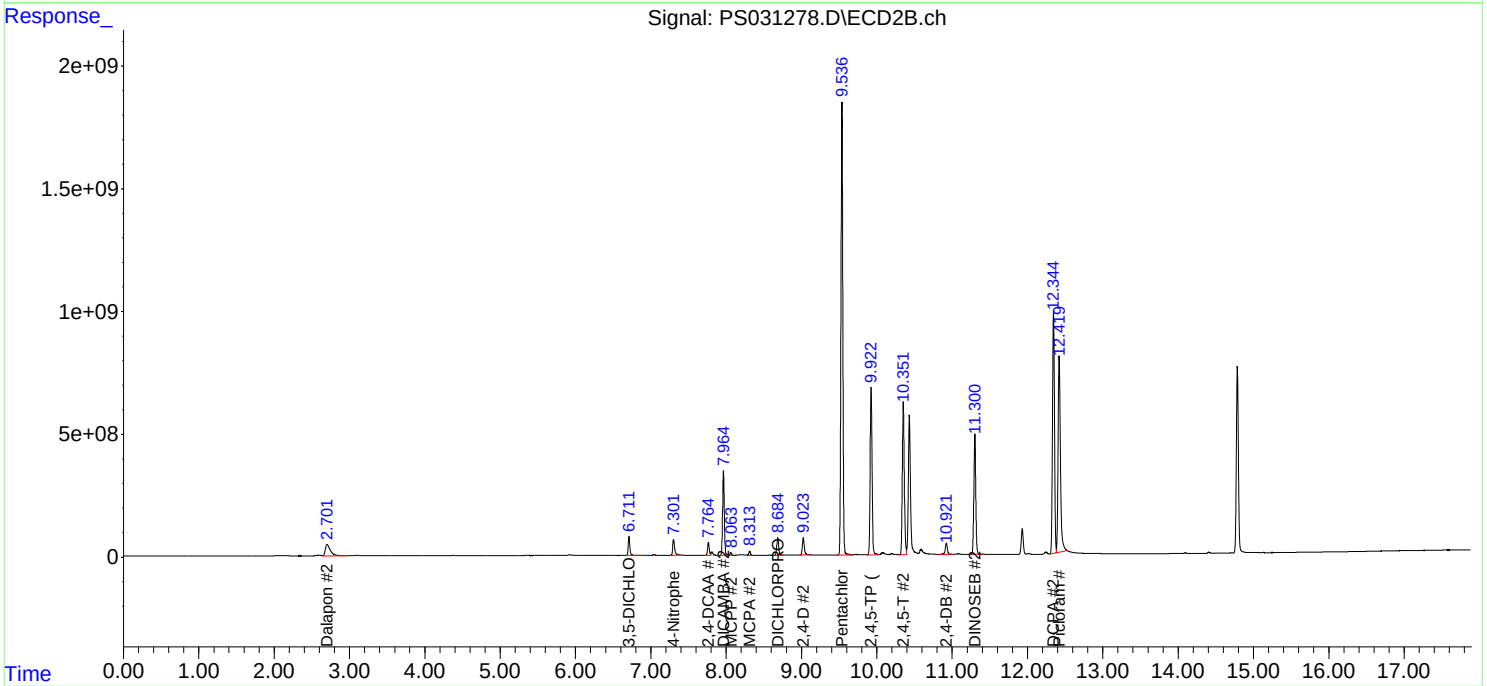
Manual Integrations APPROVED

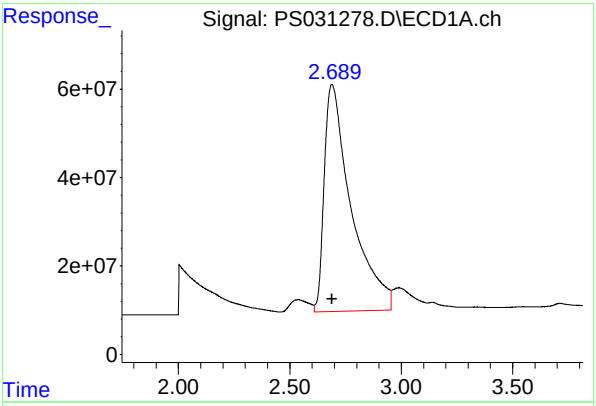
Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:33:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:33:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







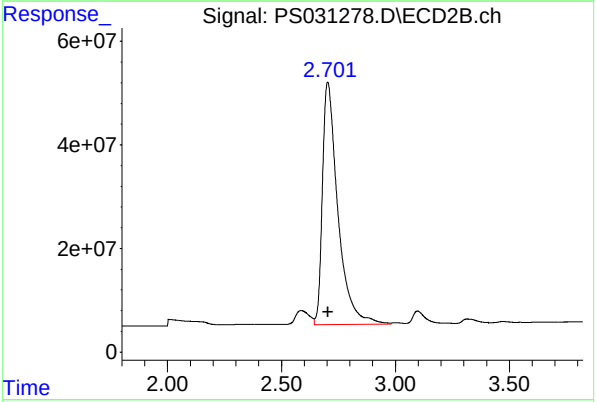
#1 Dalapon

R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 4309085015
Conc: 888.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

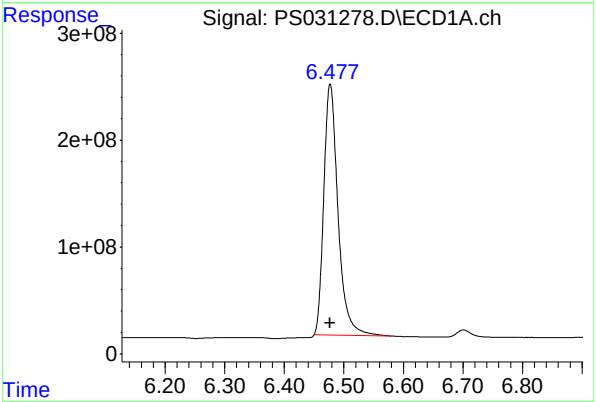
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



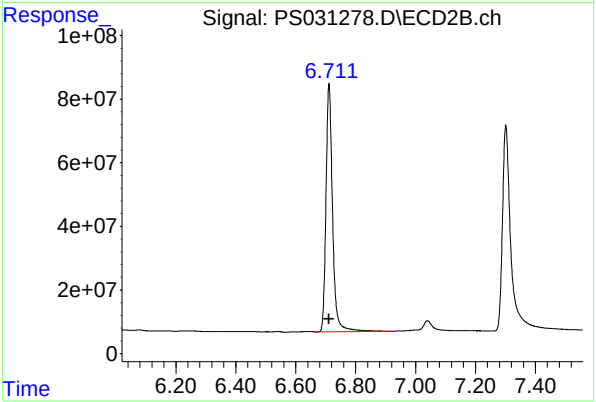
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 2208842238
Conc: 893.43 ng/ml



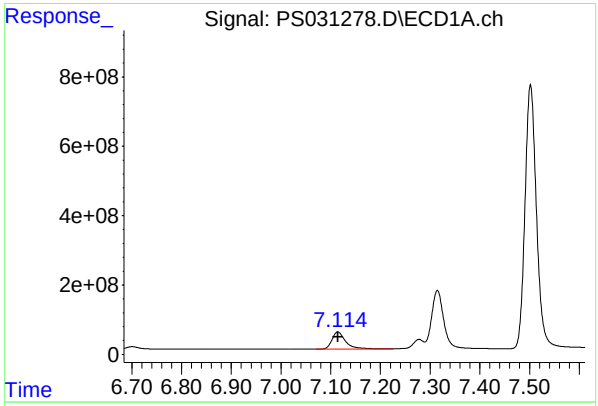
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 3892449718
Conc: 910.37 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 1185167593
Conc: 910.69 ng/ml



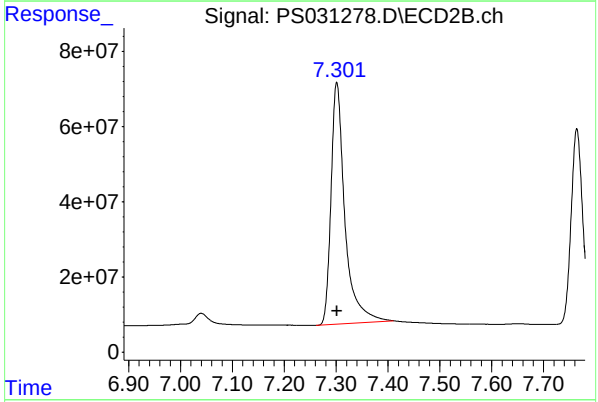
#3 4-Nitrophenol

R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 945718140
Conc: 934.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

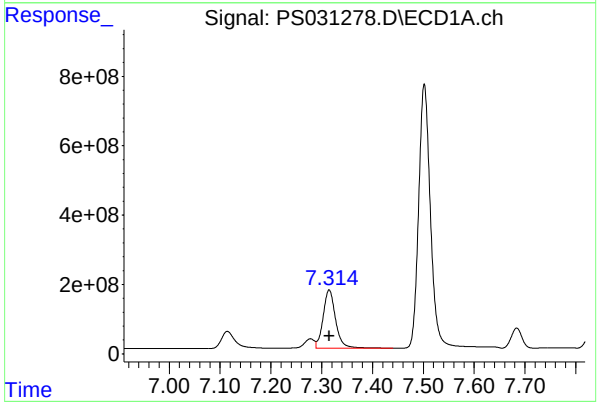
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



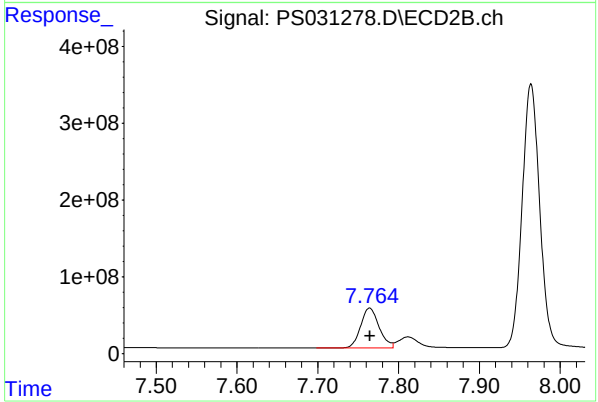
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.000 min
Response: 1196860488
Conc: 934.93 ng/ml



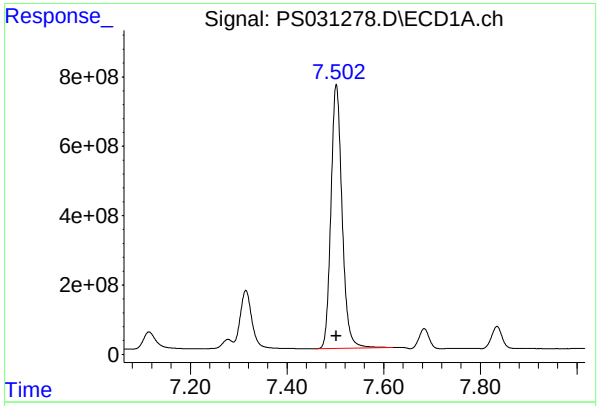
#4 2,4-DCAA

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 2871353950
Conc: 976.79 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: 0.000 min
Response: 820678916
Conc: 975.98 ng/ml



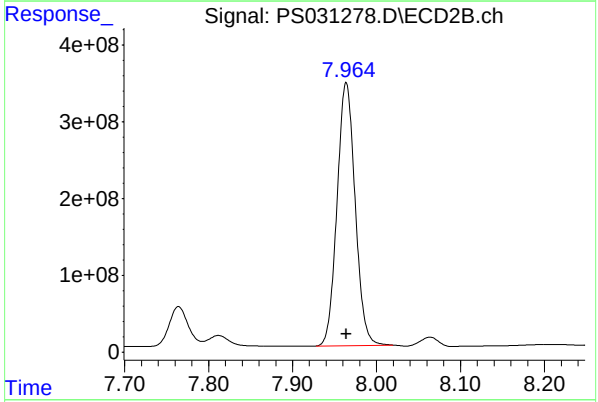
#5 DICAMBA

R.T.: 7.502 min
Delta R.T.: 0.000 mi
Response: 12163502764
Conc: 938.73 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

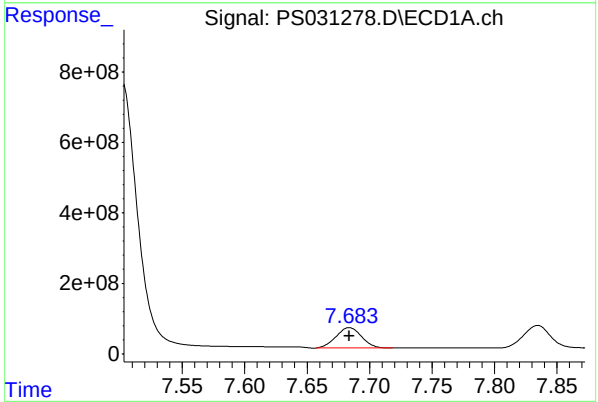
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



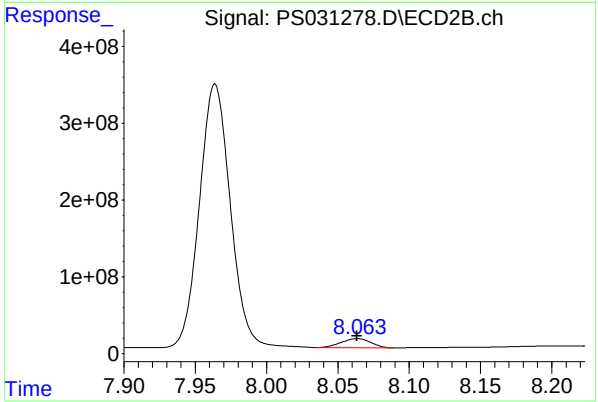
#5 DICAMBA

R.T.: 7.964 min
Delta R.T.: 0.000 min
Response: 5140847446
Conc: 951.83 ng/ml



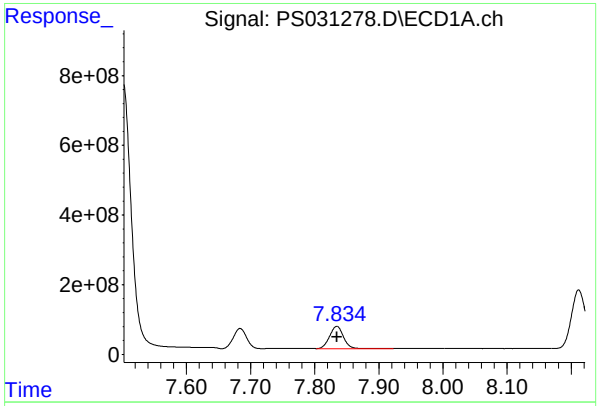
#6 MCPP

R.T.: 7.684 min
Delta R.T.: 0.000 min
Response: 823569130
Conc: 106.27 ug/ml



#6 MCPP

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 177014824
Conc: 106.24 ug/ml m



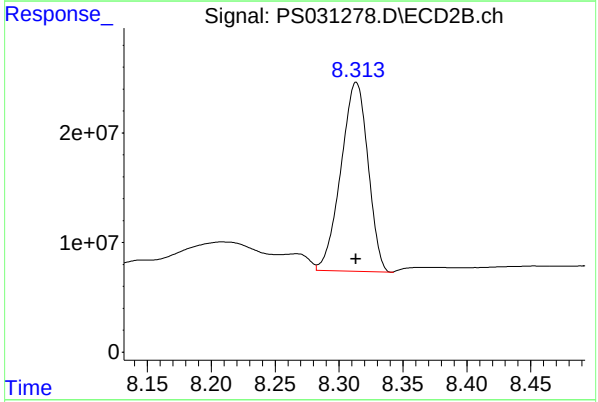
#7 MCPA

R.T.: 7.835 min
Delta R.T.: 0.000 min
Response: 965932209
Conc: 101.58 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

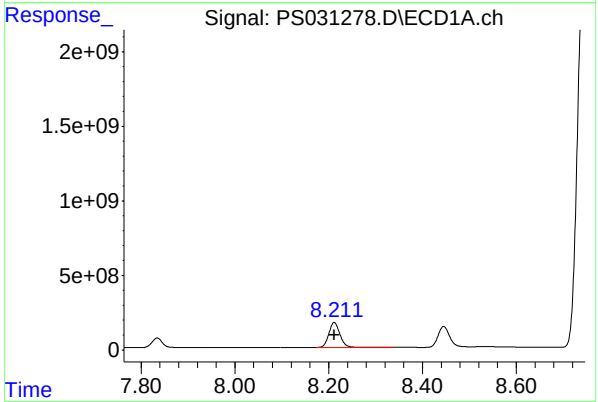
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



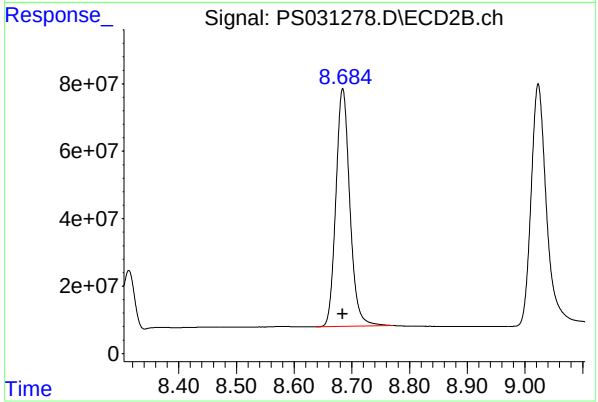
#7 MCPA

R.T.: 8.313 min
Delta R.T.: 0.000 min
Response: 254466868
Conc: 99.71 ug/ml



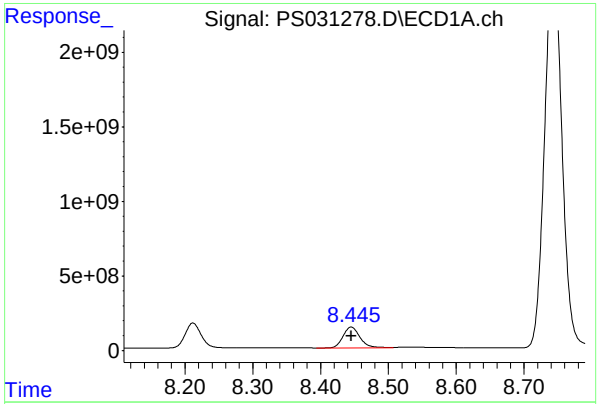
#8 DICHLORPROP

R.T.: 8.212 min
Delta R.T.: 0.000 min
Response: 2772273214
Conc: 900.89 ng/ml



#8 DICHLORPROP

R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 1187230817
Conc: 903.25 ng/ml



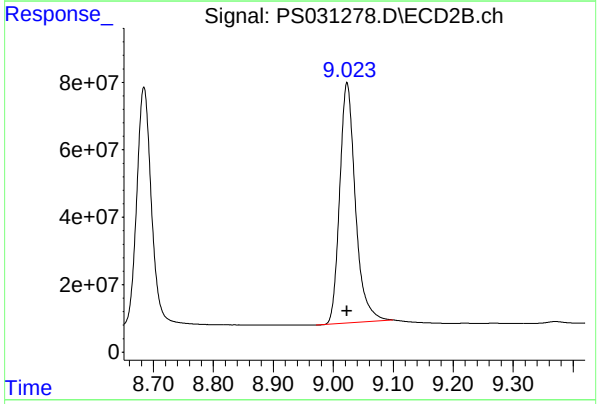
#9 2,4-D

R.T.: 8.445 min
Delta R.T.: 0.000 min
Response: 2472198386
Conc: 956.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

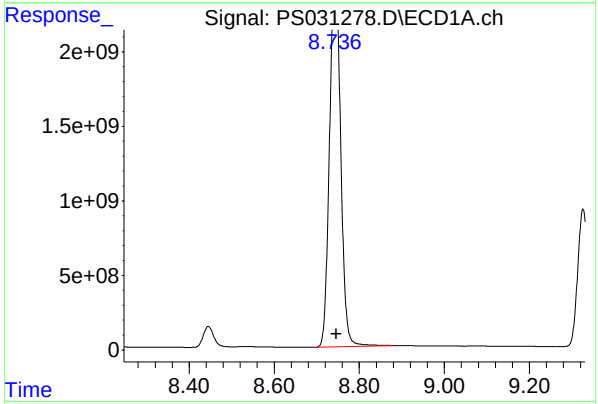
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



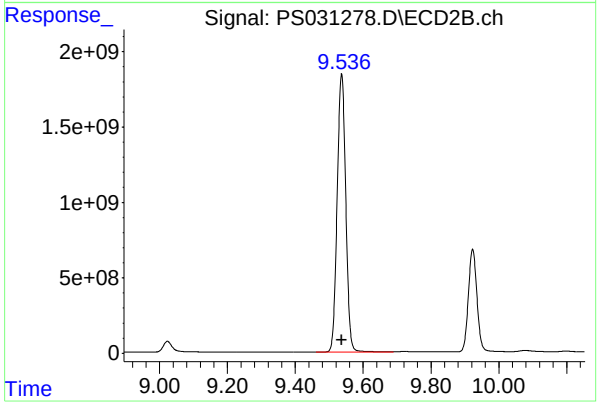
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: 0.000 min
Response: 1298123588
Conc: 925.64 ng/ml



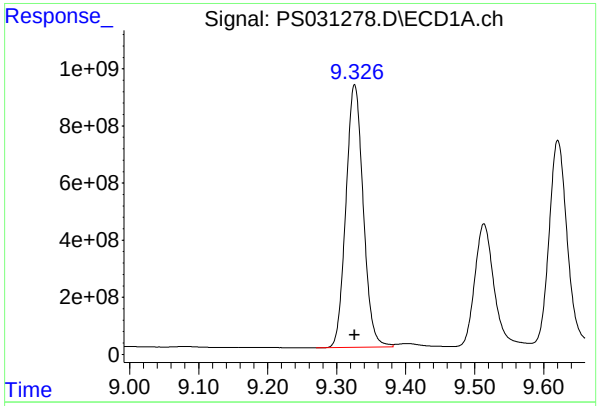
#10 Pentachlorophenol

R.T.: 8.746 min
Delta R.T.: 0.000 min
Response: 43280075699
Conc: 904.48 ng/ml



#10 Pentachlorophenol

R.T.: 9.537 min
Delta R.T.: 0.000 min
Response: 32447110854
Conc: 950.07 ng/ml



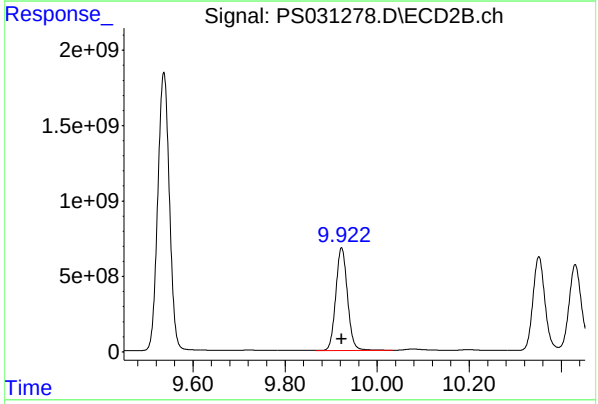
#11 2,4,5-TP (SILVEX)

R.T.: 9.326 min
Delta R.T.: 0.000 min
Response: 16047709702
Conc: 961.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

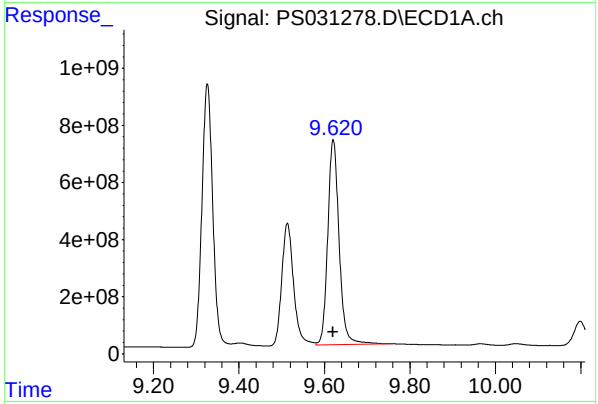
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



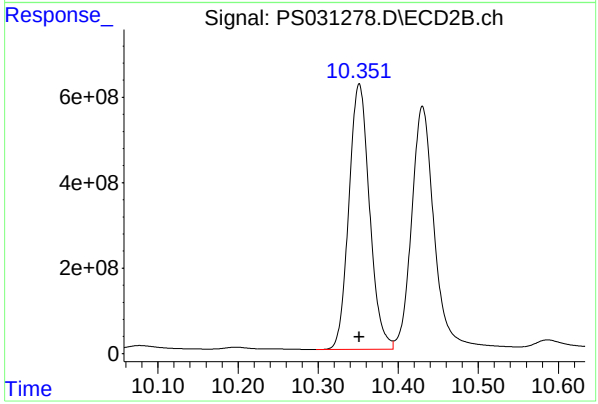
#11 2,4,5-TP (SILVEX)

R.T.: 9.923 min
Delta R.T.: 0.000 min
Response: 11999548995
Conc: 937.57 ng/ml



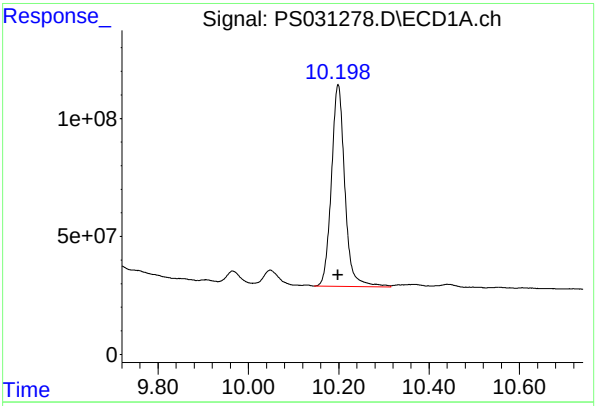
#12 2,4,5-T

R.T.: 9.621 min
Delta R.T.: 0.000 min
Response: 13235545336
Conc: 1006.55 ng/ml



#12 2,4,5-T

R.T.: 10.351 min
Delta R.T.: 0.000 min
Response: 11142285449
Conc: 952.41 ng/ml



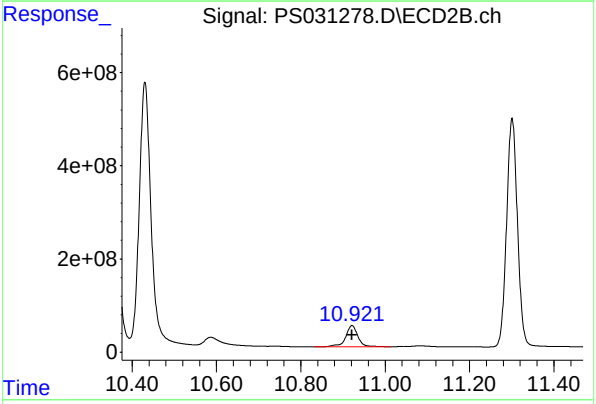
#13 2,4-DB

R.T.: 10.199 min
Delta R.T.: 0.000 mi
Response: 1764874632
Conc: 1036.19 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

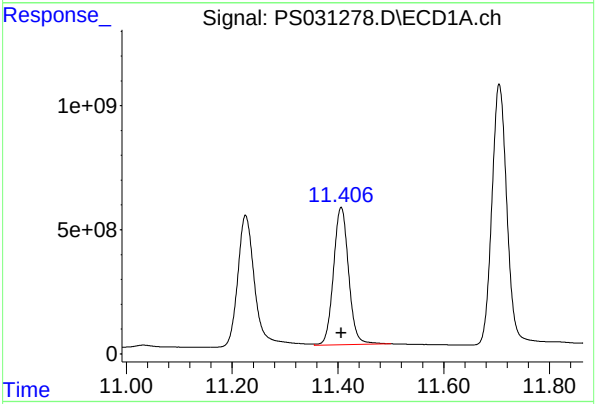
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



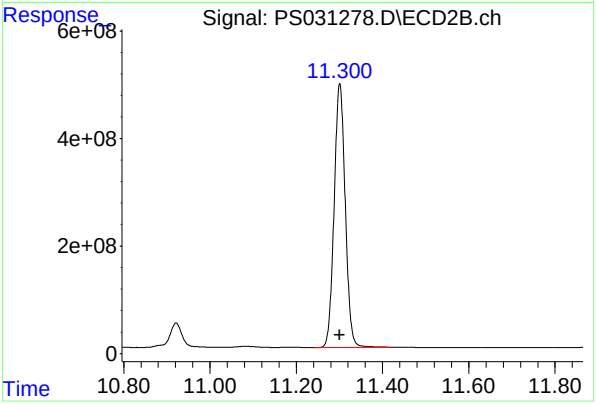
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: 0.000 min
Response: 929079368
Conc: 964.18 ng/ml



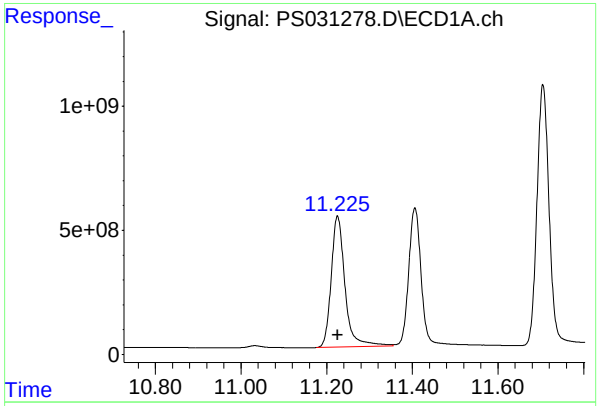
#14 DINOSEB

R.T.: 11.406 min
Delta R.T.: 0.000 min
Response: 10986145370
Conc: 958.87 ng/ml



#14 DINOSEB

R.T.: 11.301 min
Delta R.T.: 0.000 min
Response: 8765883583
Conc: 935.21 ng/ml



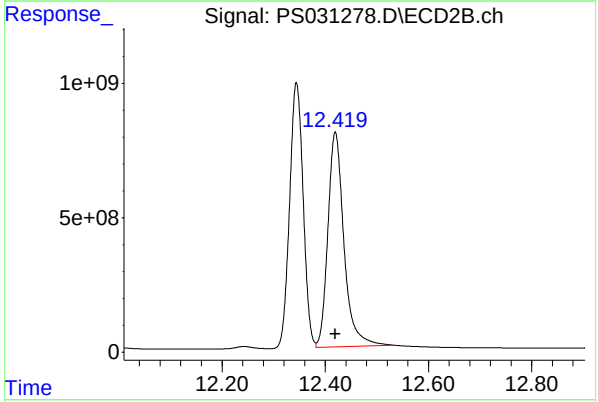
#15 Picloram

R.T.: 11.225 min
Delta R.T.: 0.000 min
Response: 11830164566
Conc: 1033.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

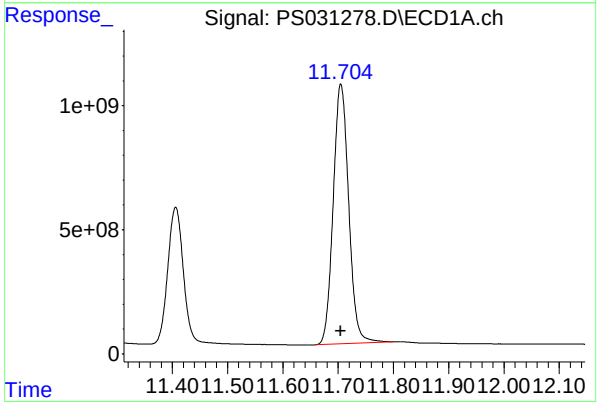
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



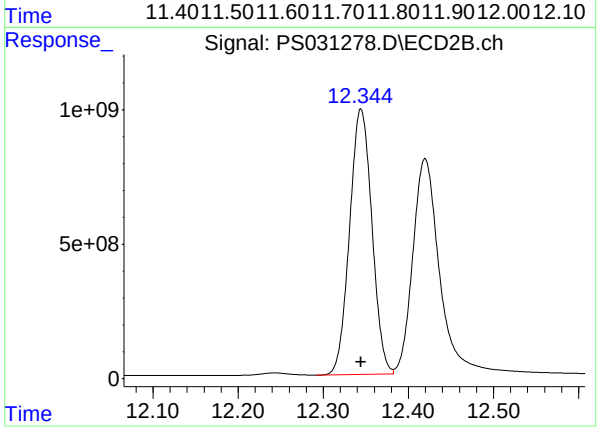
#15 Picloram

R.T.: 12.420 min
Delta R.T.: 0.000 min
Response: 17241160926
Conc: 1033.86 ng/ml



#16 DCPA

R.T.: 11.705 min
Delta R.T.: 0.000 min
Response: 20376254849
Conc: 982.68 ng/ml



#16 DCPA

R.T.: 12.344 min
Delta R.T.: 0.000 min
Response: 17998523325
Conc: 960.68 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:07
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:36:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:36:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.764	4213.1E6	1217.9E6	1446.107	1458.374
		Target Compounds						
1)	T	Dalapon	2.687	2.703	6459.5E6	3264.6E6	1338.889	1329.127
2)	T	3,5-DICHL...	6.477	6.711	5875.6E6	1751.8E6	1377.922m	1355.583
3)	T	4-Nitroph...	7.114	7.300	1424.0E6	1820.8E6	1398.569	1410.456
5)	T	DICAMBA	7.503	7.965	18010.7E6	7755.4E6	1393.955	1430.657
6)	T	MCPP	7.687	8.067	1299.4E6	265.5E6	161.563	154.852m
7)	T	MCPA	7.837	8.318	1512.5E6	385.2E6	154.717	148.503
8)	T	DICHLORPROP	8.213	8.685	4076.4E6	1752.2E6	1340.926	1347.768
9)	T	2,4-D	8.445	9.023	3709.9E6	1929.0E6	1430.550	1382.238
10)	T	Pentachlo...	8.754	9.537	51285.3E6	43992.6E6	1127.676	1313.353
11)	T	2,4,5-TP ...	9.326	9.924	23545.0E6	17555.3E6	1413.157	1382.005
12)	T	2,4,5-T	9.621	10.352	19815.8E6	16426.4E6	1489.826	1408.216
13)	T	2,4-DB	10.198	10.921	2740.7E6	1389.2E6	1568.589	1438.353
14)	T	DINOSEB	11.406	11.302	16198.2E6	12981.7E6	1413.015	1389.912
15)	T	Picloram	11.225	12.419	18182.2E6	26745.6E6	1552.752	1564.536
16)	T	DCPA	11.706	12.345	29863.9E6	26378.3E6	1440.185	1414.251

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:07
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

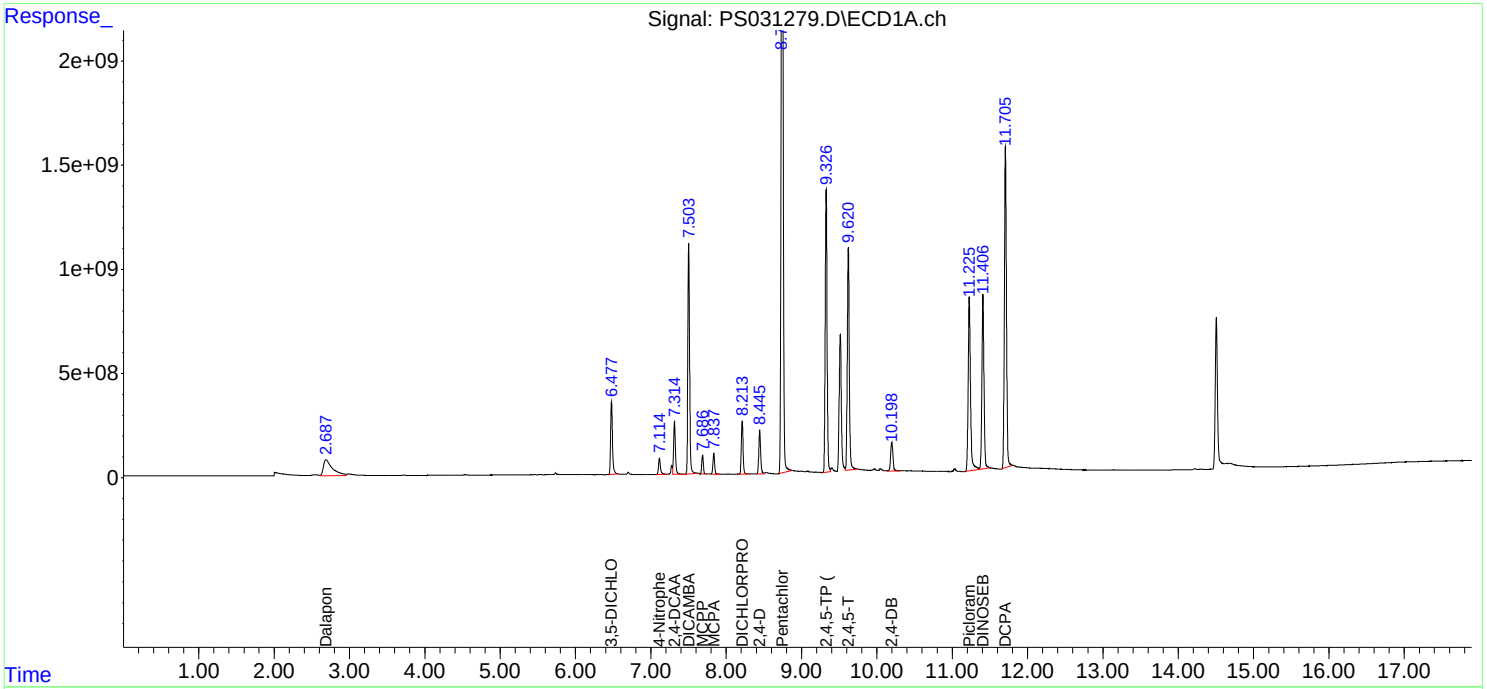
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

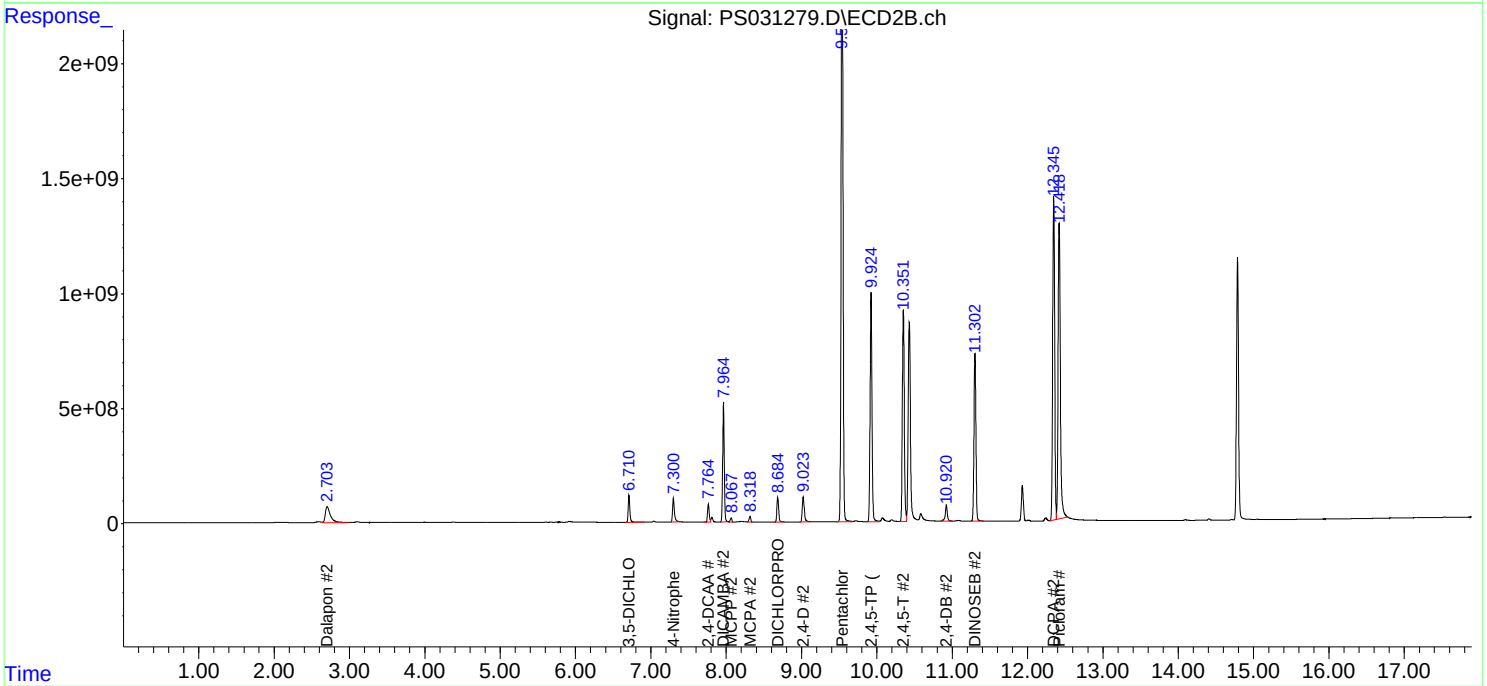
Manual Integrations APPROVED

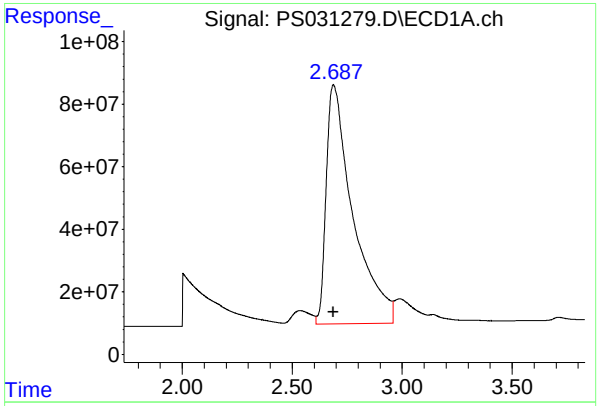
Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:36:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:36:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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







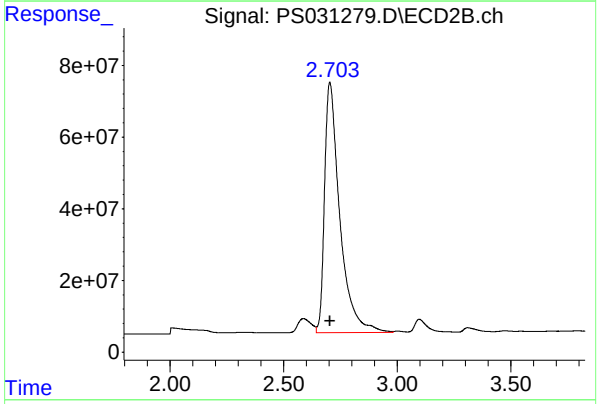
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: 0.000 mi
Response: 6459549331
Conc: 1338.89 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

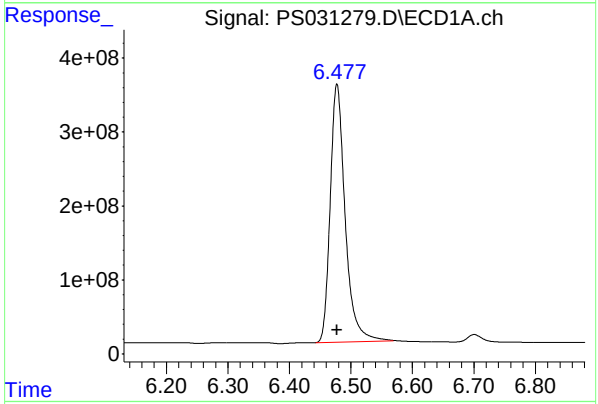
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



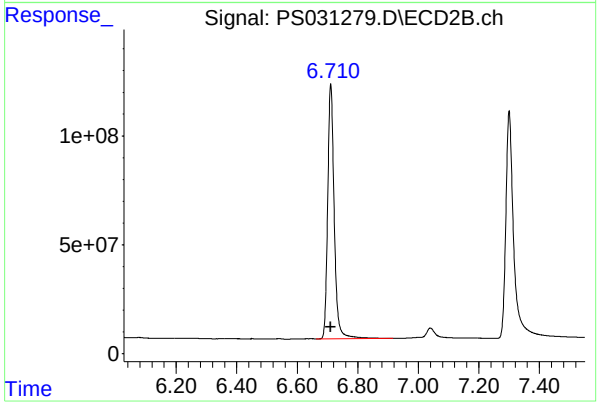
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 3264581324
Conc: 1329.13 ng/ml



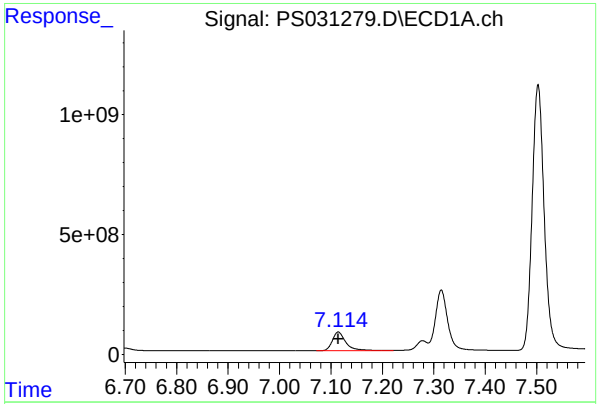
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 5875552524
Conc: 1377.92 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 1751780840
Conc: 1355.58 ng/ml



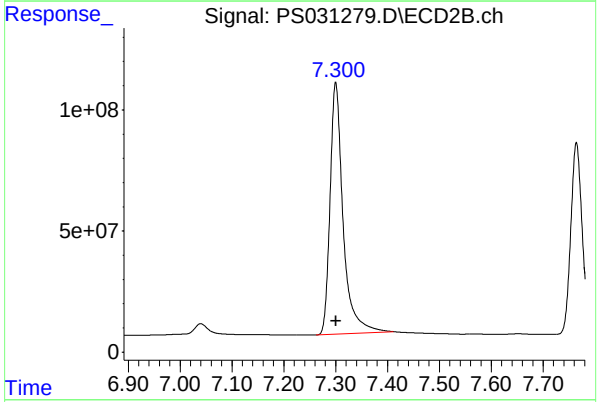
#3 4-Nitrophenol

R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 1424024699
Conc: 1398.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

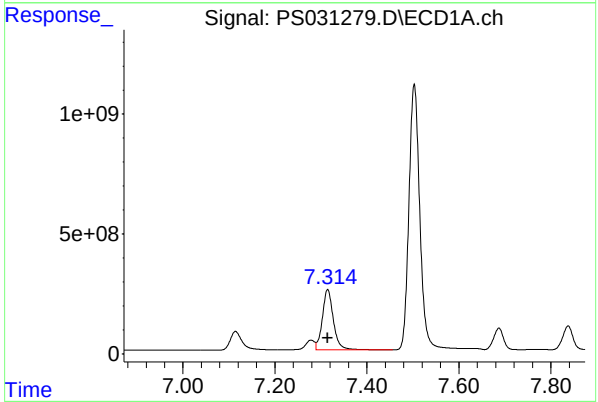
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



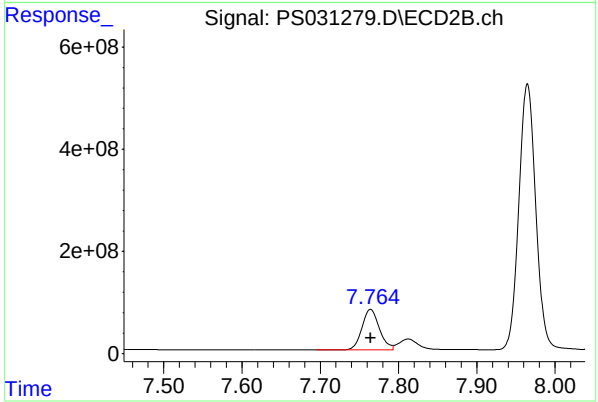
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 1820775211
Conc: 1410.46 ng/ml



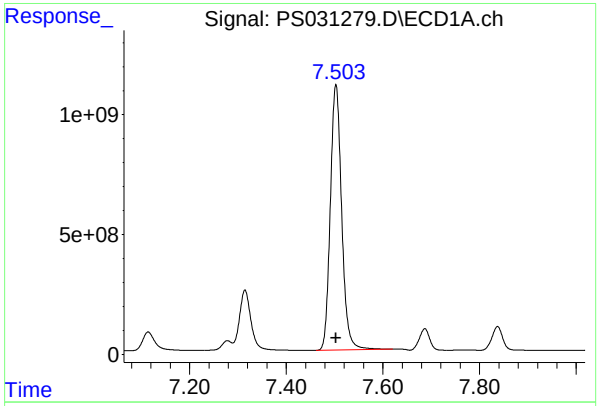
#4 2,4-DCAA

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 4213094245
Conc: 1446.11 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: 0.000 min
Response: 1217860592
Conc: 1458.37 ng/ml



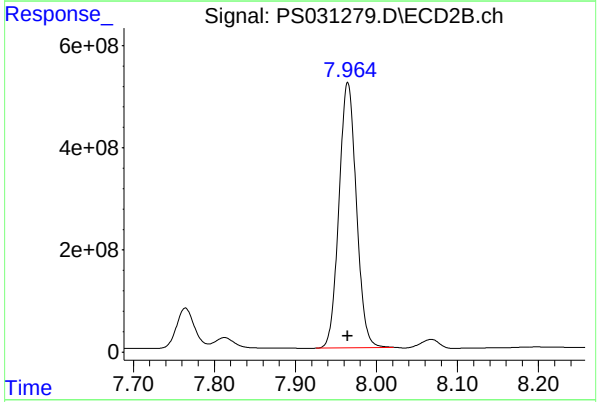
#5 DICAMBA

R.T.: 7.503 min
Delta R.T.: 0.000 mi
Response: 18010725486
Conc: 1393.96 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

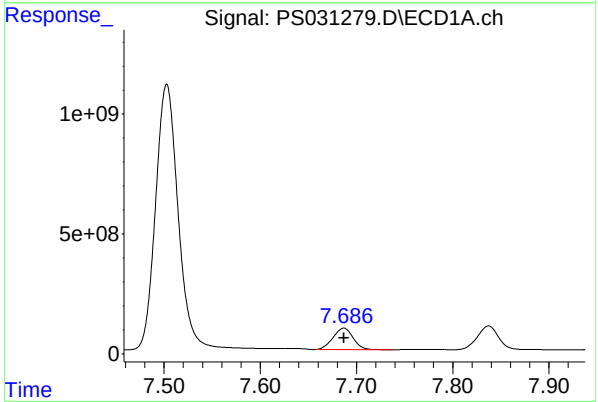
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



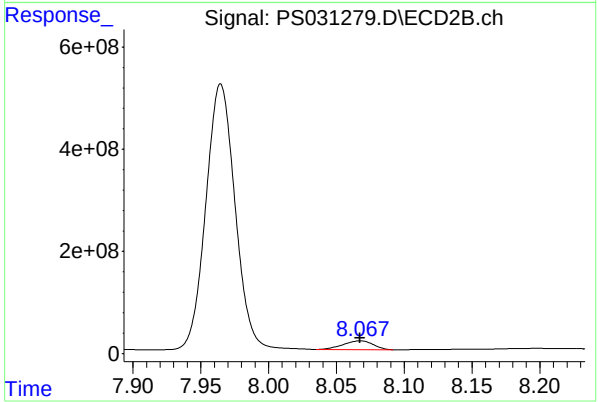
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: 0.000 min
Response: 7755371462
Conc: 1430.66 ng/ml



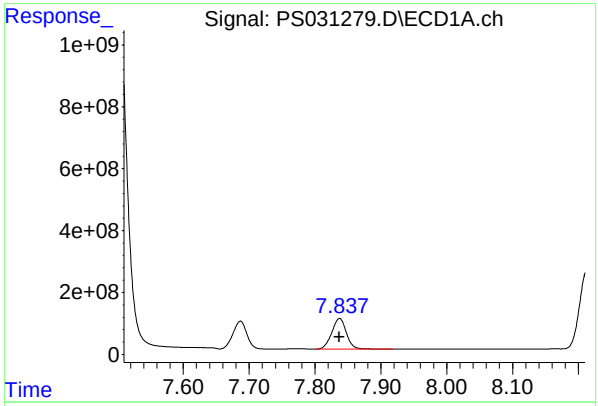
#6 MCPP

R.T.: 7.687 min
Delta R.T.: 0.000 min
Response: 1299408588
Conc: 161.56 ug/ml



#6 MCPP

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 265477750
Conc: 154.85 ug/ml m



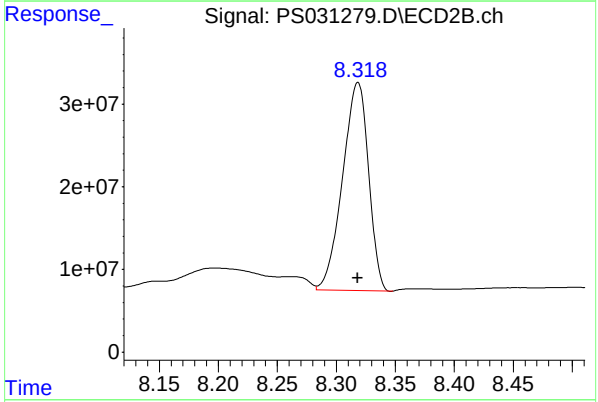
#7 MCPA

R.T.: 7.837 min
Delta R.T.: 0.000 min
Response: 1512505035
Conc: 154.72 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

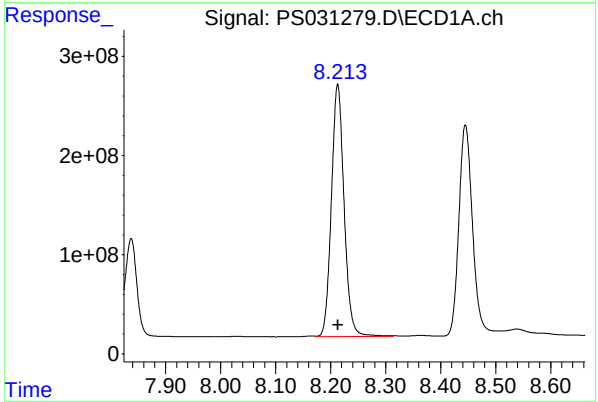
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



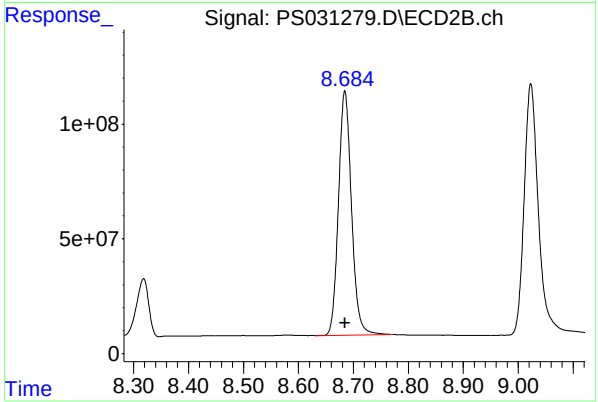
#7 MCPA

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 385209174
Conc: 148.50 ug/ml



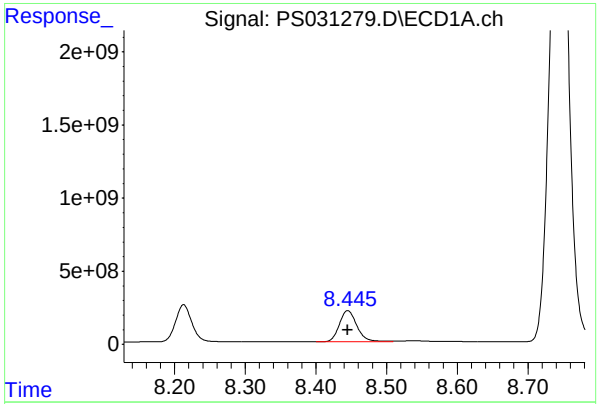
#8 DICHLORPROP

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 4076432467
Conc: 1340.93 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 1752175780
Conc: 1347.77 ng/ml



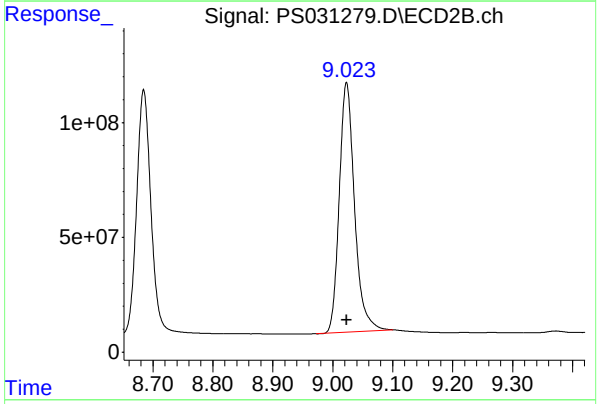
#9 2,4-D

R.T.: 8.445 min
Delta R.T.: 0.000 min
Response: 3709900696
Conc: 1430.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

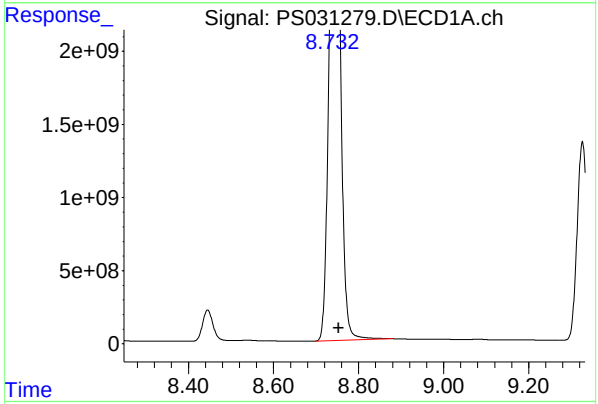
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



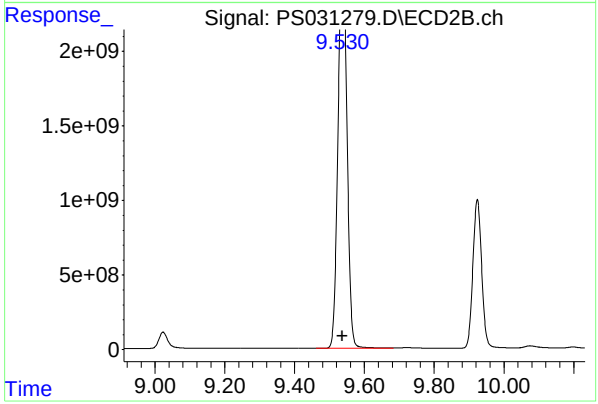
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: 0.000 min
Response: 1928954560
Conc: 1382.24 ng/ml



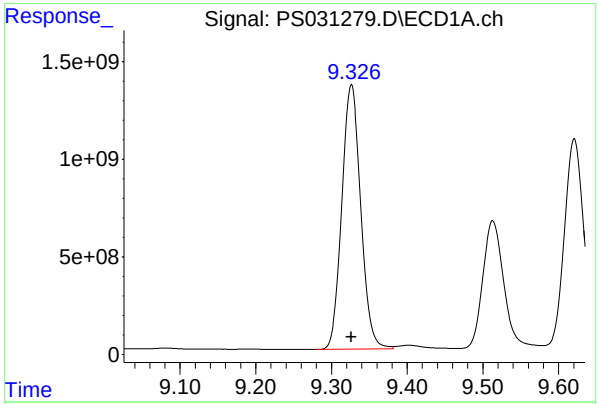
#10 Pentachlorophenol

R.T.: 8.754 min
Delta R.T.: 0.000 min
Response: 51285311175
Conc: 1127.68 ng/ml



#10 Pentachlorophenol

R.T.: 9.537 min
Delta R.T.: 0.000 min
Response: 43992577918
Conc: 1313.35 ng/ml



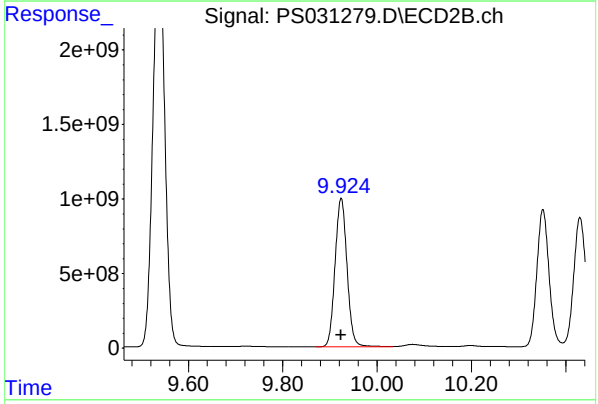
#11 2,4,5-TP (SILVEX)

R.T.: 9.326 min
Delta R.T.: 0.000 mi
Response: 23544968472
Conc: 1413.16 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

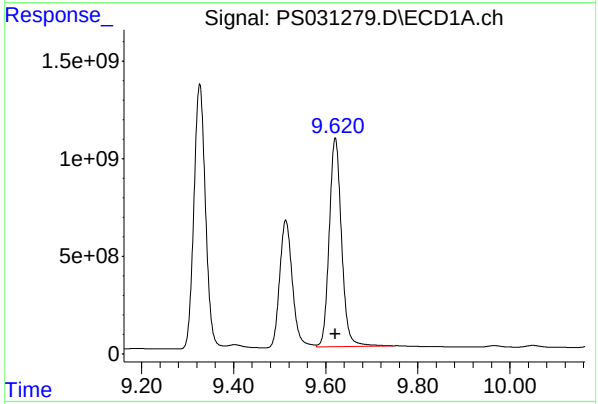
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



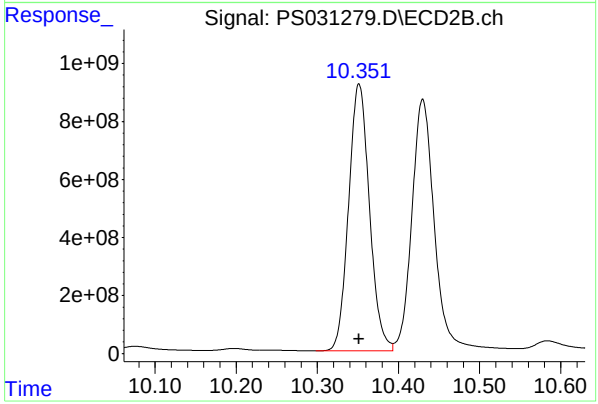
#11 2,4,5-TP (SILVEX)

R.T.: 9.924 min
Delta R.T.: 0.000 min
Response: 17555327889
Conc: 1382.00 ng/ml



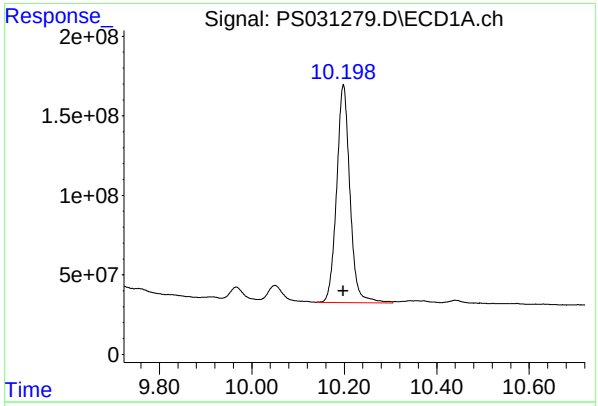
#12 2,4,5-T

R.T.: 9.621 min
Delta R.T.: 0.000 min
Response: 19815782463
Conc: 1489.83 ng/ml



#12 2,4,5-T

R.T.: 10.352 min
Delta R.T.: 0.000 min
Response: 16426375266
Conc: 1408.22 ng/ml



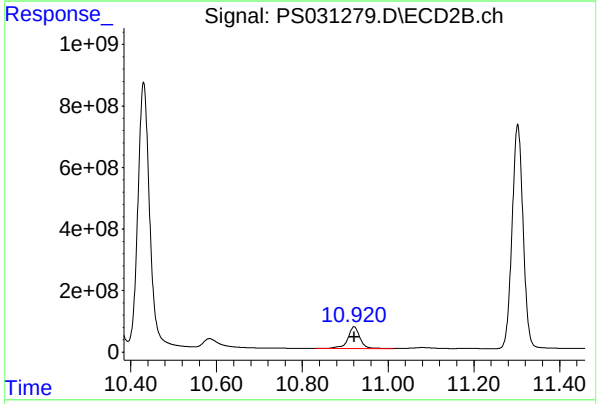
#13 2,4-DB

R.T.: 10.198 min
Delta R.T.: 0.000 min
Response: 2740722963
Conc: 1568.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

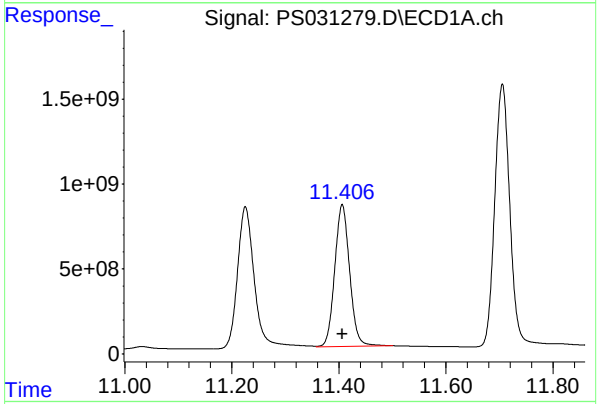
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



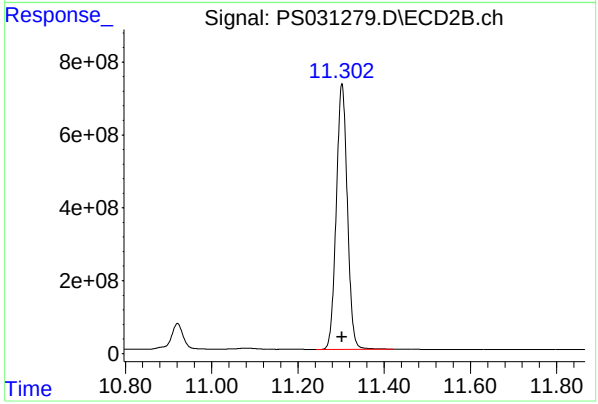
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: 0.000 min
Response: 1389241085
Conc: 1438.35 ng/ml



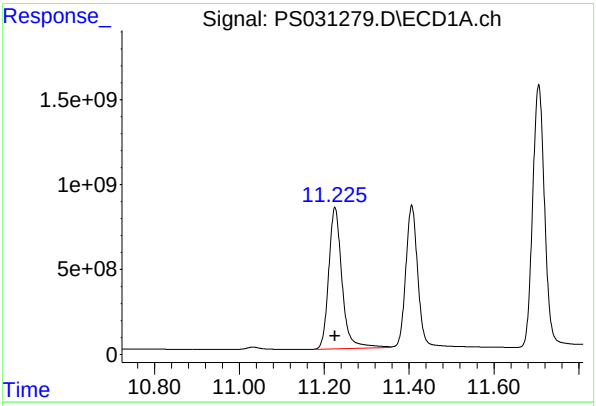
#14 DINOSEB

R.T.: 11.406 min
Delta R.T.: 0.000 min
Response: 16198161218
Conc: 1413.02 ng/ml



#14 DINOSEB

R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 12981690633
Conc: 1389.91 ng/ml



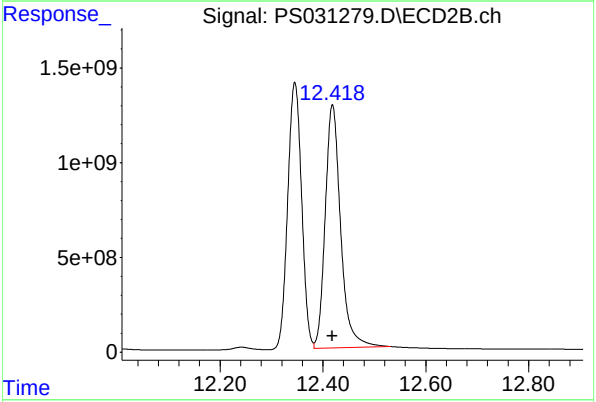
#15 Picloram

R.T.: 11.225 min
Delta R.T.: 0.000 min
Response: 18182152372
Conc: 1552.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

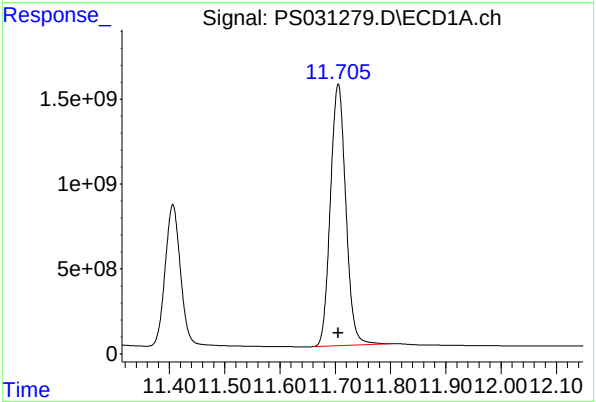
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/30/2025
Supervised By :mohammad ahmed 07/31/2025



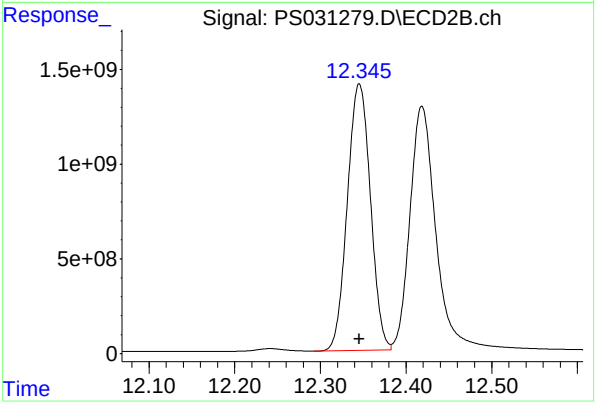
#15 Picloram

R.T.: 12.419 min
Delta R.T.: 0.000 min
Response: 26745623510
Conc: 1564.54 ng/ml



#16 DCPA

R.T.: 11.706 min
Delta R.T.: 0.000 min
Response: 29863868036
Conc: 1440.19 ng/ml



#16 DCPA

R.T.: 12.345 min
Delta R.T.: 0.000 min
Response: 26378277323
Conc: 1414.25 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:31
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS072925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:50:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.765	2243.9E6	643.4E6	770.185	770.495
		Target Compounds						
1)	T	Dalapon	2.687	2.704	3392.0E6	1745.4E6	703.064	710.609
2)	T	3,5-DICHL...	6.478	6.712	3054.9E6	932.9E6	716.626	721.942
3)	T	4-Nitroph...	7.115	7.303	703.7E6	913.8E6	691.074	707.854
5)	T	DICAMBA	7.502	7.964	9430.0E6	3984.4E6	729.846	735.011
6)	T	MCPP	7.683	8.062	612.0E6	129.1E6	76.089	75.545
7)	T	MCPA	7.833	8.312	717.3E6	197.1E6	73.373	75.979
8)	T	DICHLORPROP	8.212	8.684	2150.6E6	932.4E6	707.439	717.176
9)	T	2,4-D	8.446	9.024	1853.3E6	1017.3E6	714.640	728.951
10)	T	Pentachlo...	8.744	9.537	35802.8E6	25442.6E6	787.242	759.561
11)	T	2,4,5-TP ...	9.327	9.923	12346.8E6	9437.2E6	741.047	742.920
12)	T	2,4,5-T	9.621	10.352	9811.5E6	8675.9E6	737.669	743.778
13)	T	2,4-DB	10.199	10.922	1273.5E6	719.7E6	728.832	745.165
14)	T	DINOSEB	11.405	11.302	8263.3E6	6770.1E6	720.834	724.854
15)	T	Picloram	11.226	12.421	8499.1E6	12798.4E6	725.821	748.664
16)	T	DCPA	11.704	12.345	15610.9E6	14126.5E6	752.837	757.380

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

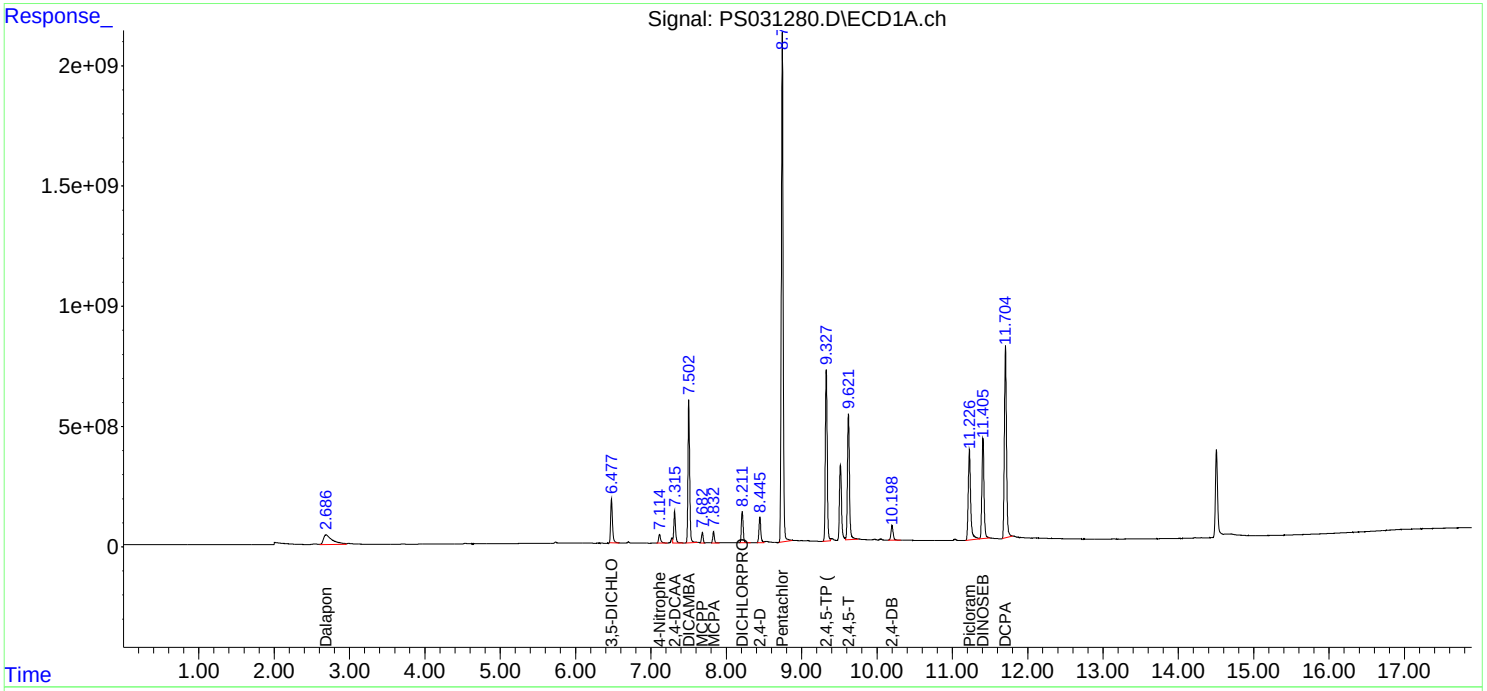
ICAL Form

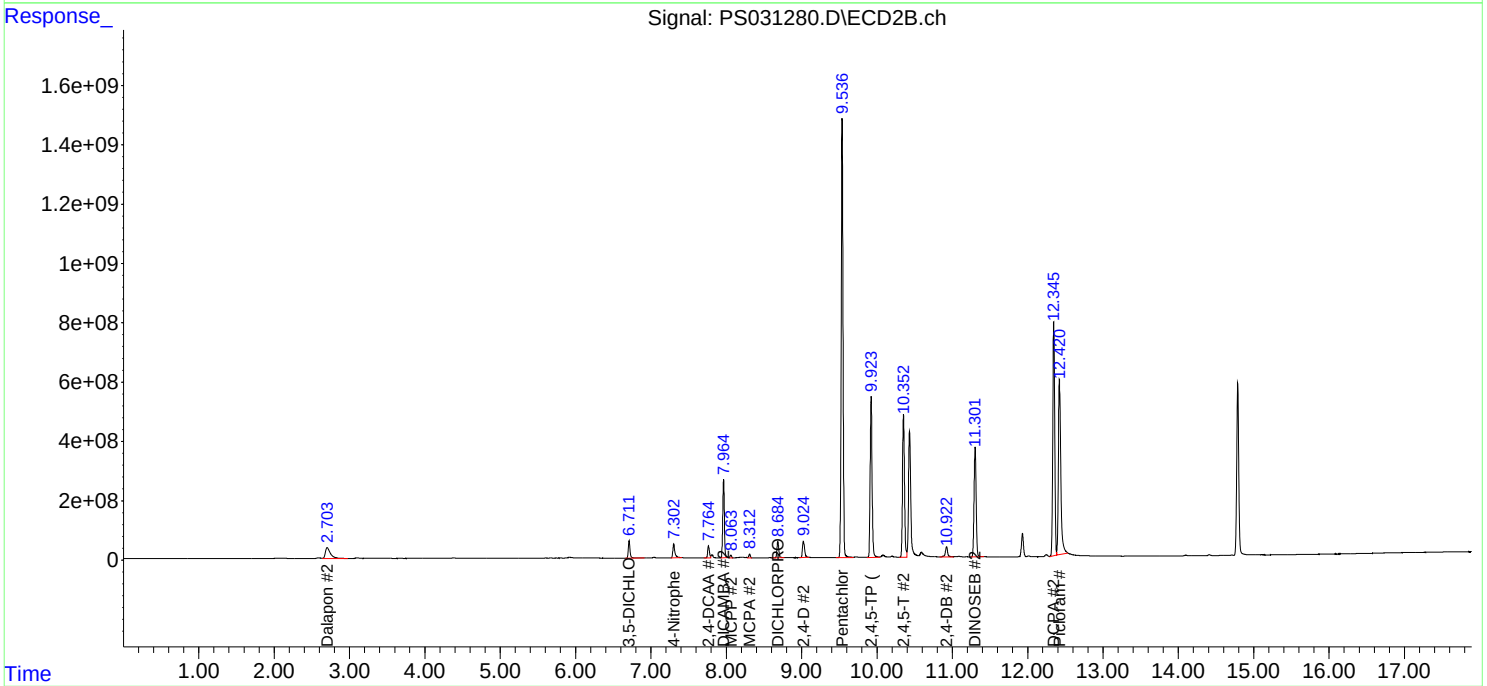
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 18:31
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

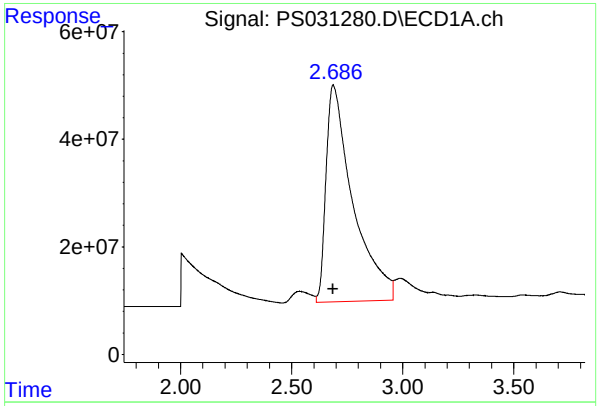
Instrument :
ECD_S
ClientSampleId :
ICVPS072925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:50:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



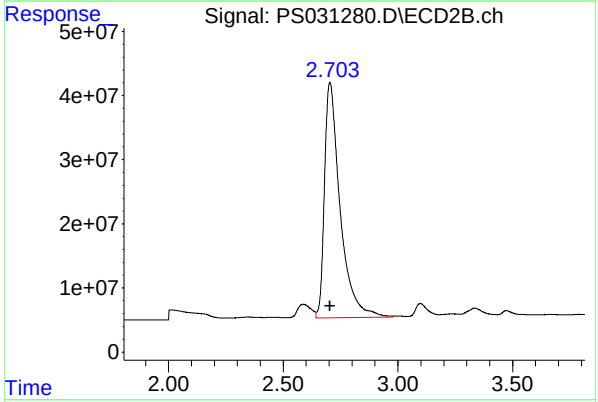




#1 Dalapon

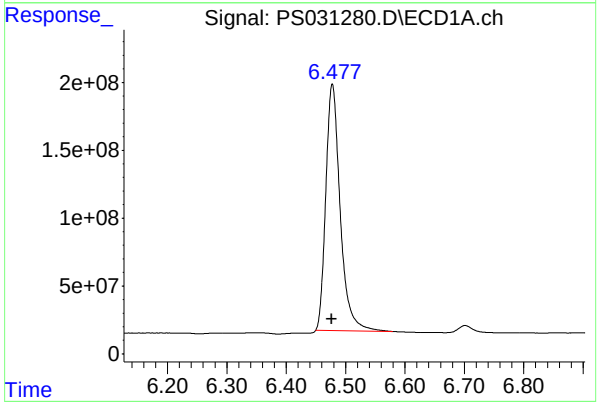
R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 3391973829
Conc: 703.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



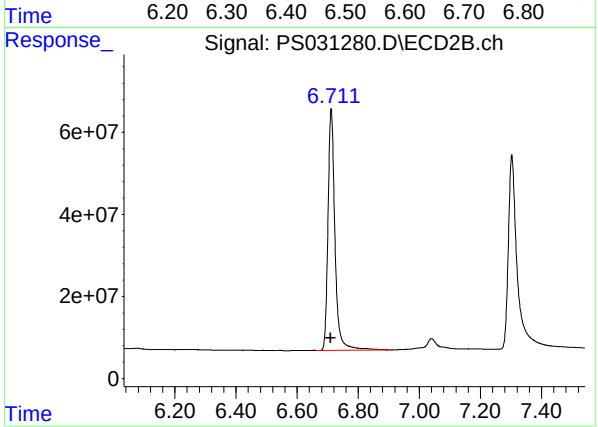
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1745386450
Conc: 710.61 ng/ml



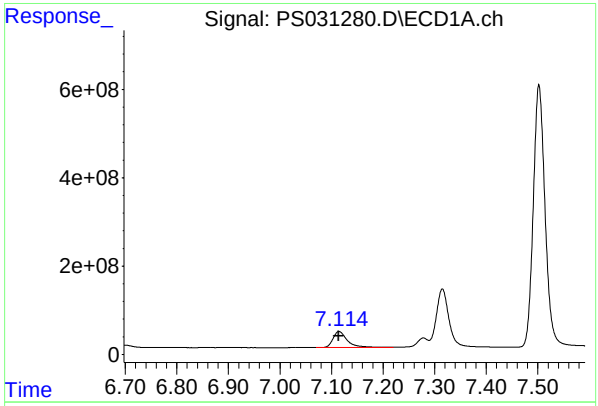
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 3054929384
Conc: 716.63 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

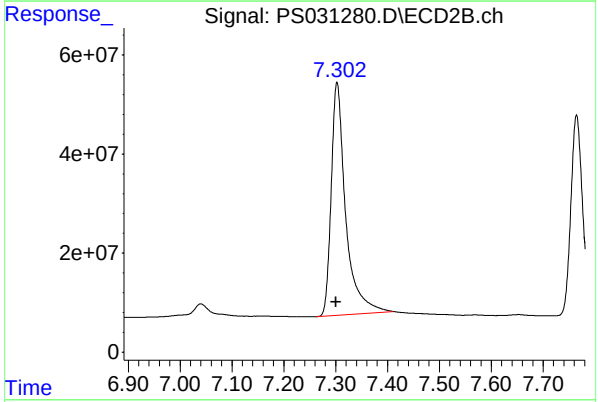
R.T.: 6.712 min
Delta R.T.: 0.000 min
Response: 932944589
Conc: 721.94 ng/ml



#3 4-Nitrophenol

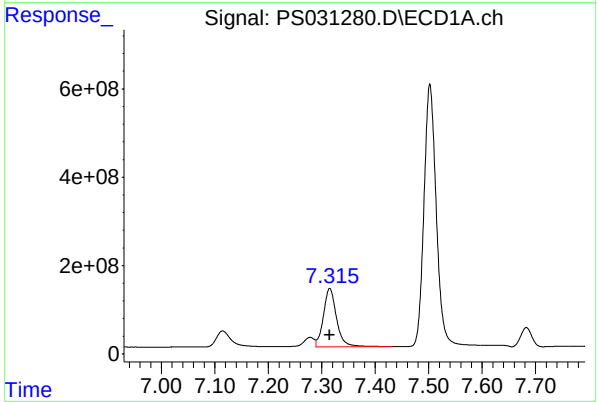
R.T.: 7.115 min
Delta R.T.: 0.000 min
Response: 703652278
Conc: 691.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



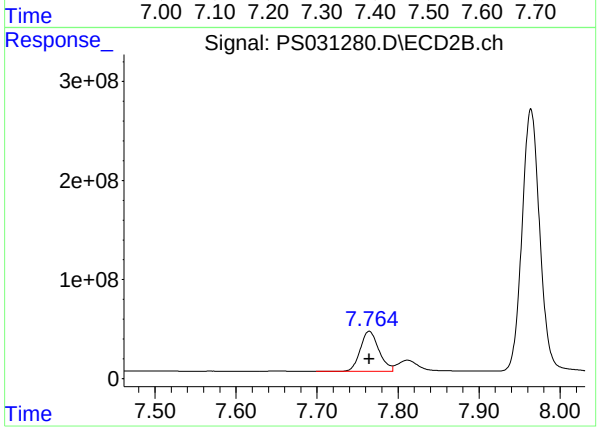
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: 0.003 min
Response: 913777604
Conc: 707.85 ng/ml



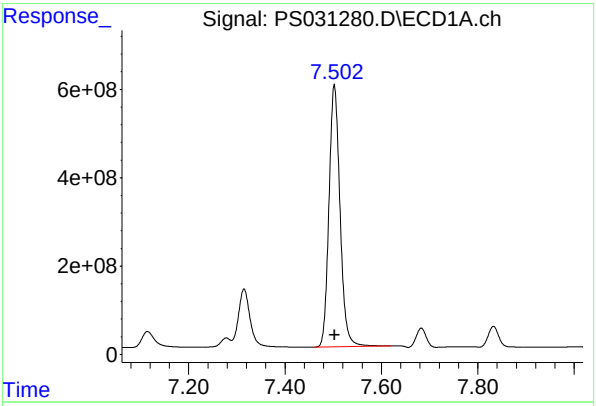
#4 2,4-DCAA

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 2243860178
Conc: 770.18 ng/ml



#4 2,4-DCAA

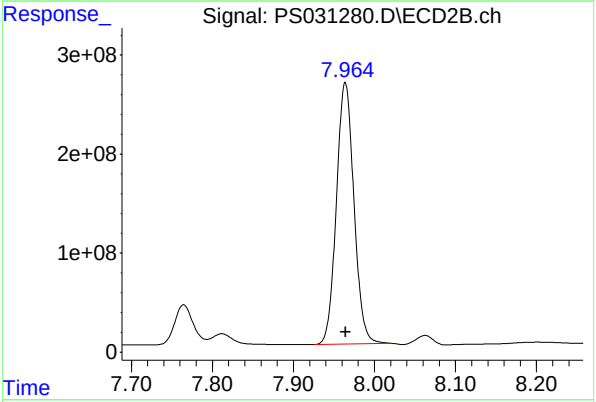
R.T.: 7.765 min
Delta R.T.: 0.000 min
Response: 643426087
Conc: 770.50 ng/ml



#5 DICAMBA

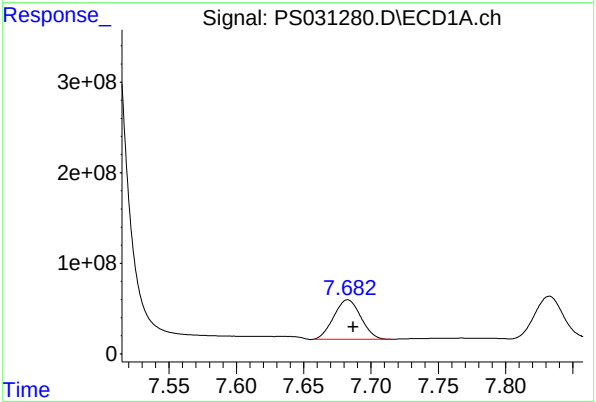
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 9430036139
Conc: 729.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



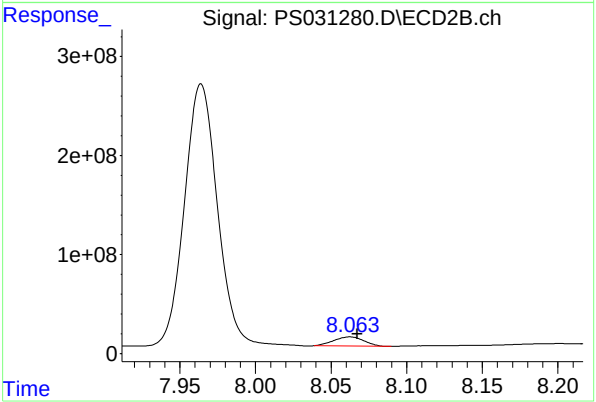
#5 DICAMBA

R.T.: 7.964 min
Delta R.T.: 0.000 min
Response: 3984382410
Conc: 735.01 ng/ml



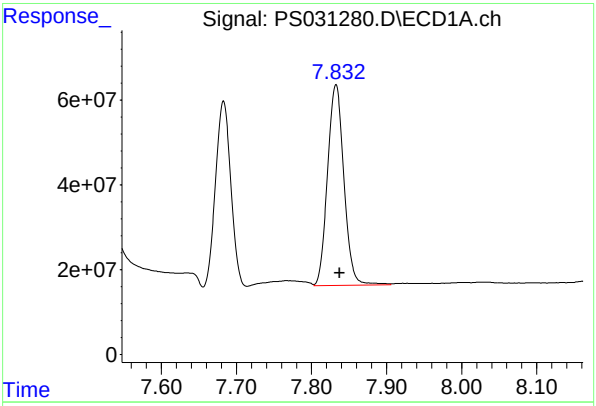
#6 MCPP

R.T.: 7.683 min
Delta R.T.: -0.004 min
Response: 611958988
Conc: 76.09 ug/ml



#6 MCPP

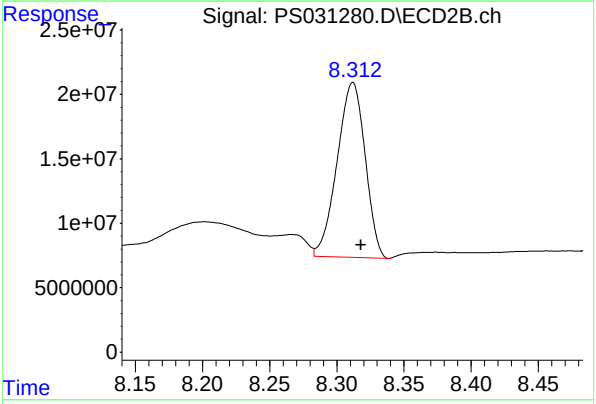
R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 129134862
Conc: 75.54 ug/ml



#7 MCPA

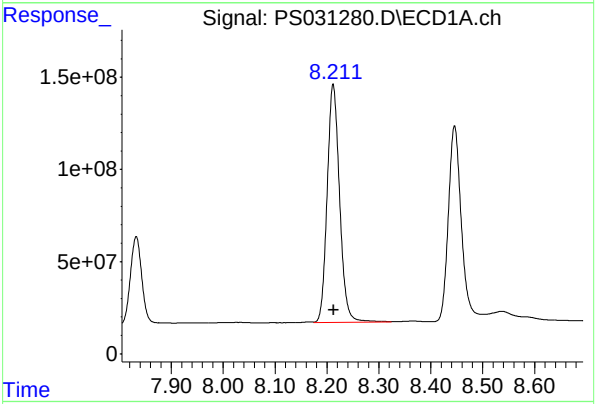
R.T.: 7.833 min
Delta R.T.: -0.005 min
Response: 717290120
Conc: 73.37 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



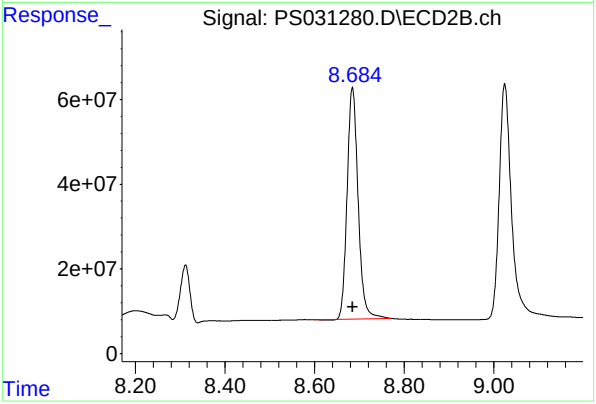
#7 MCPA

R.T.: 8.312 min
Delta R.T.: -0.006 min
Response: 197086011
Conc: 75.98 ug/ml



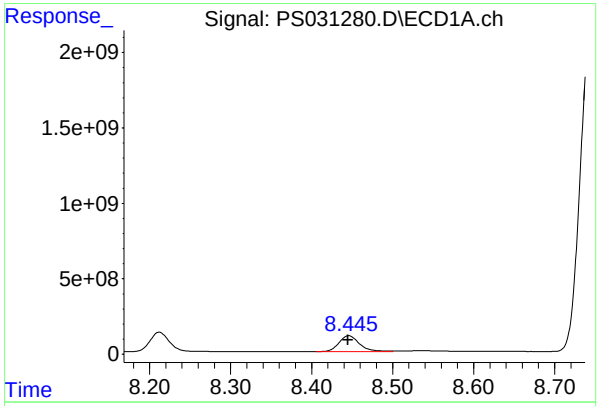
#8 DICHLORPROP

R.T.: 8.212 min
Delta R.T.: -0.001 min
Response: 2150624293
Conc: 707.44 ng/ml



#8 DICHLORPROP

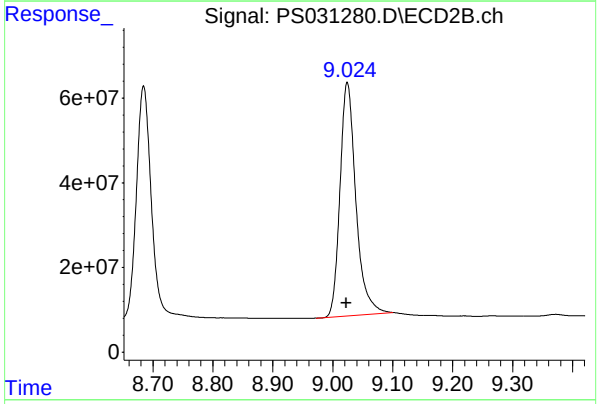
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 932370755
Conc: 717.18 ng/ml



#9 2,4-D

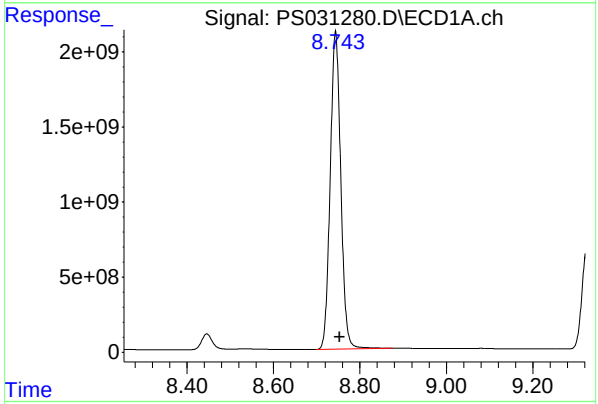
R.T.: 8.446 min
Delta R.T.: 0.000 min
Response: 1853304276
Conc: 714.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



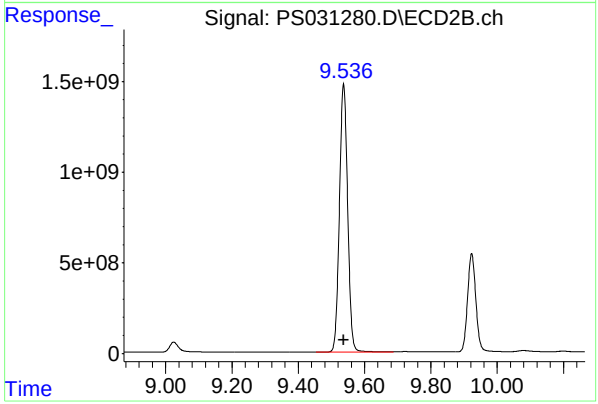
#9 2,4-D

R.T.: 9.024 min
Delta R.T.: 0.001 min
Response: 1017272546
Conc: 728.95 ng/ml



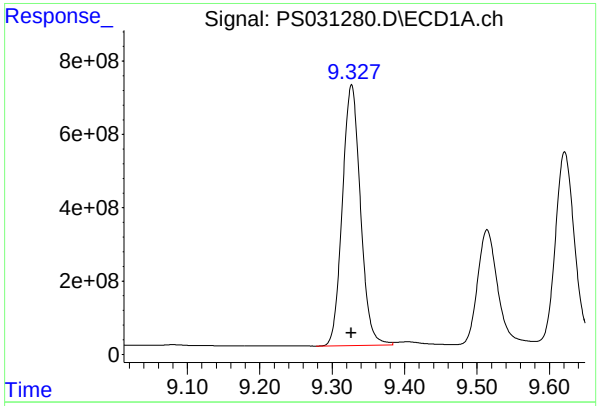
#10 Pentachlorophenol

R.T.: 8.744 min
Delta R.T.: -0.010 min
Response: 35802791872
Conc: 787.24 ng/ml



#10 Pentachlorophenol

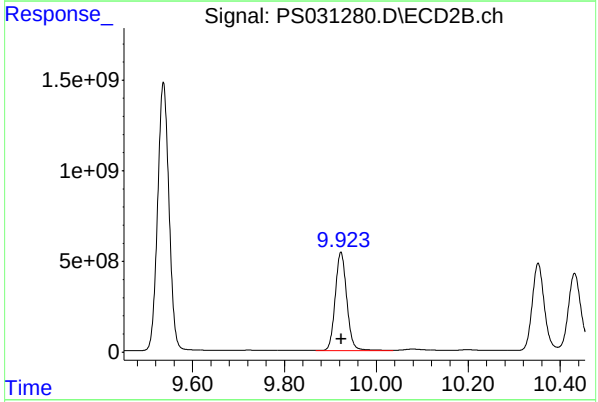
R.T.: 9.537 min
Delta R.T.: 0.000 min
Response: 25442555188
Conc: 759.56 ng/ml



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

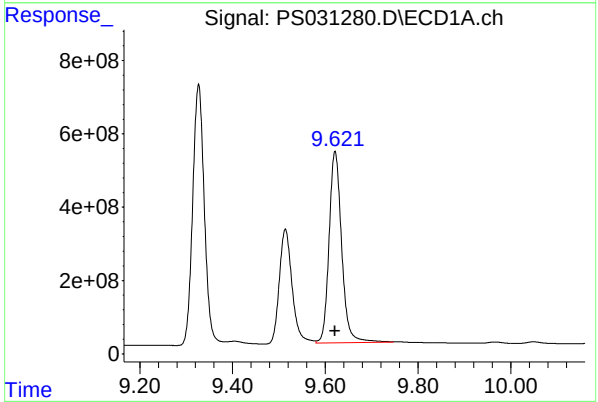
R.T.: 9.327 min
Delta R.T.: 0.000 min
Response: 12346779977
Conc: 741.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



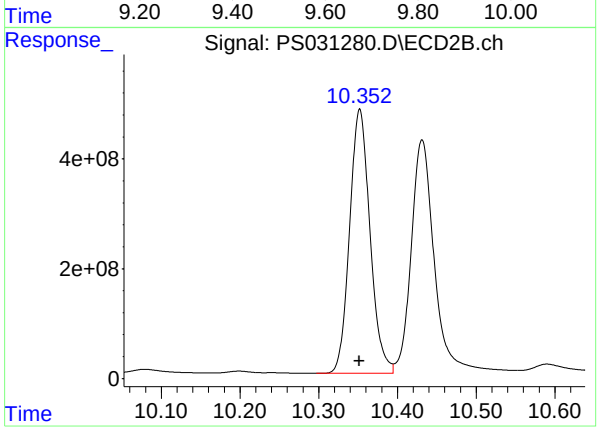
#11 2,4,5-TP (SILVEX)

R.T.: 9.923 min
Delta R.T.: 0.000 min
Response: 9437161771
Conc: 742.92 ng/ml



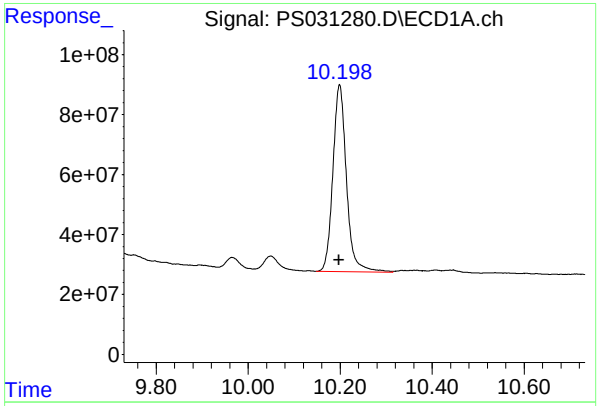
#12 2,4,5-T

R.T.: 9.621 min
Delta R.T.: 0.000 min
Response: 9811543654
Conc: 737.67 ng/ml



#12 2,4,5-T

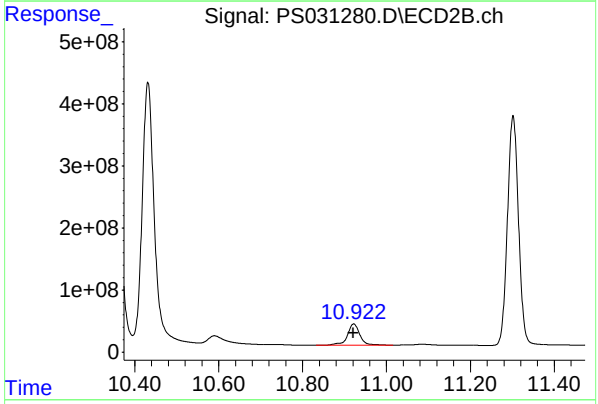
R.T.: 10.352 min
Delta R.T.: 0.000 min
Response: 8675917524
Conc: 743.78 ng/ml



#13 2,4-DB

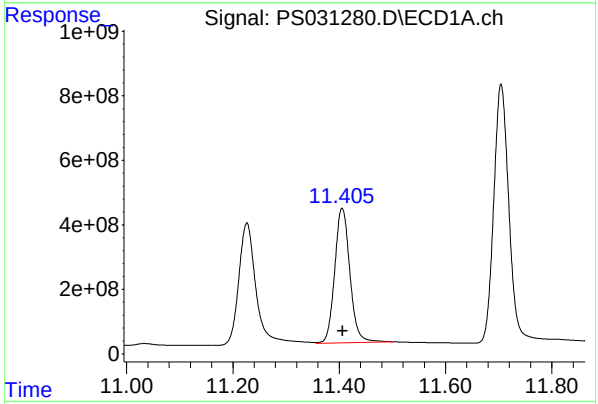
R.T.: 10.199 min
Delta R.T.: 0.000 min
Response: 1273454223
Conc: 728.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



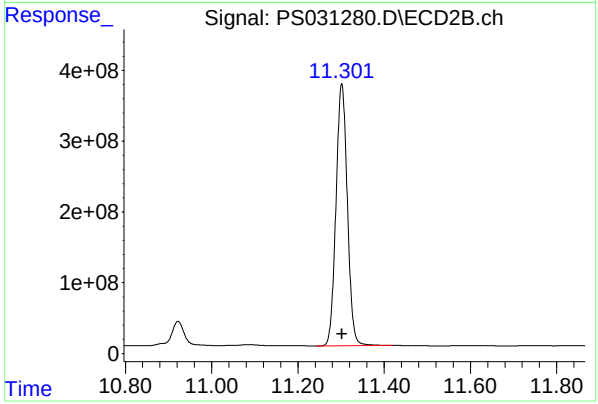
#13 2,4-DB

R.T.: 10.922 min
Delta R.T.: 0.001 min
Response: 719721705
Conc: 745.16 ng/ml



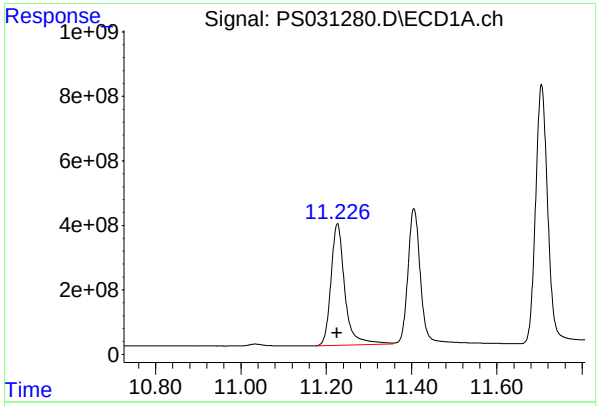
#14 DINOSEB

R.T.: 11.405 min
Delta R.T.: 0.000 min
Response: 8263311038
Conc: 720.83 ng/ml



#14 DINOSEB

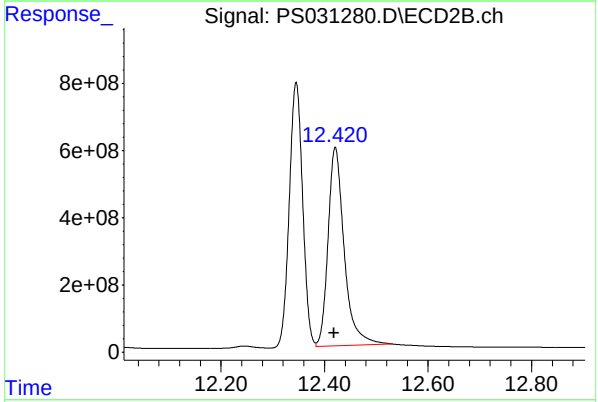
R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 6770093711
Conc: 724.85 ng/ml



#15 Picloram

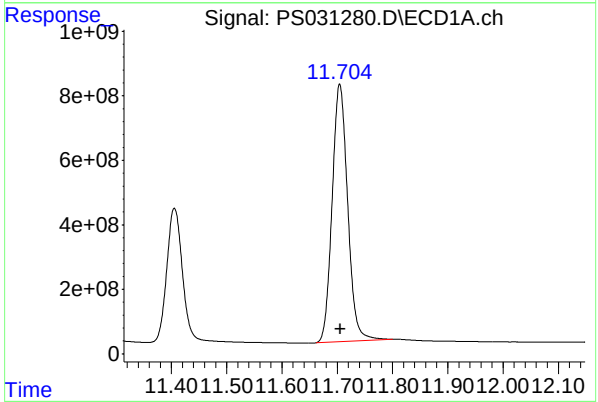
R.T.: 11.226 min
Delta R.T.: 0.001 min
Response: 8499091390
Conc: 725.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS072925



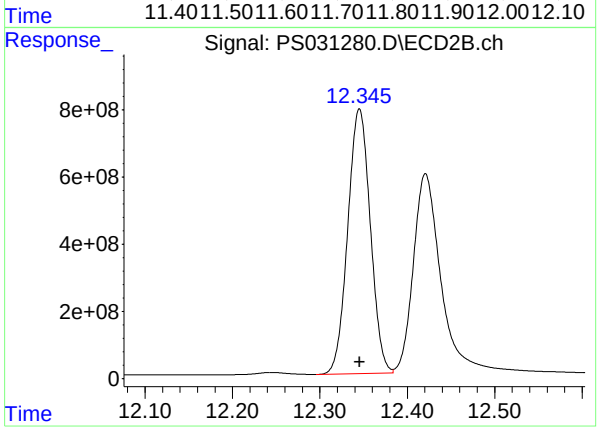
#15 Picloram

R.T.: 12.421 min
Delta R.T.: 0.002 min
Response: 12798362521
Conc: 748.66 ng/ml



#16 DCPA

R.T.: 11.704 min
Delta R.T.: -0.001 min
Response: 15610933775
Conc: 752.84 ng/ml



#16 DCPA

R.T.: 12.345 min
Delta R.T.: 0.000 min
Response: 14126472499
Conc: 757.38 ng/ml

Raw Data: **PS031180.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

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

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

Raw Data: **PS031180.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

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

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

Raw Data: **PS031180.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

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

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

Raw Data: **PS031180.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

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

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

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

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

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

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

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

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

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

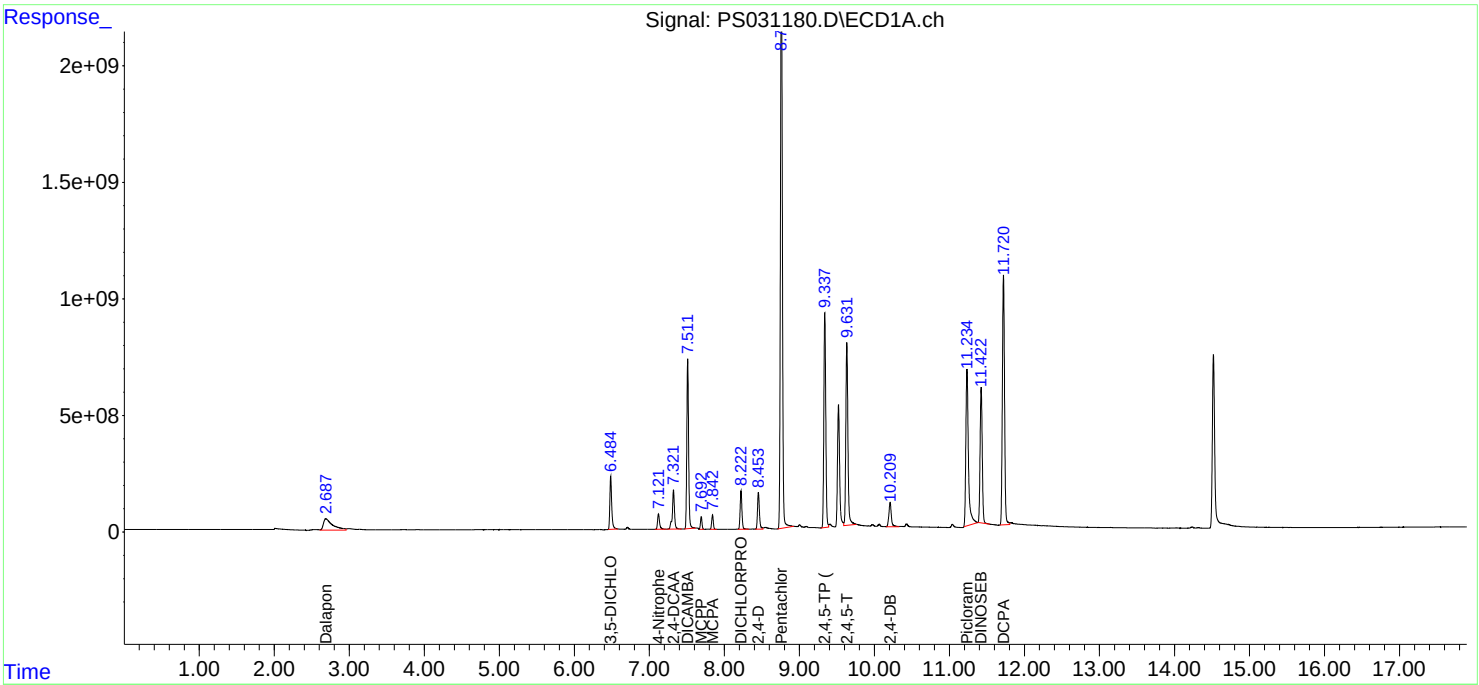
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

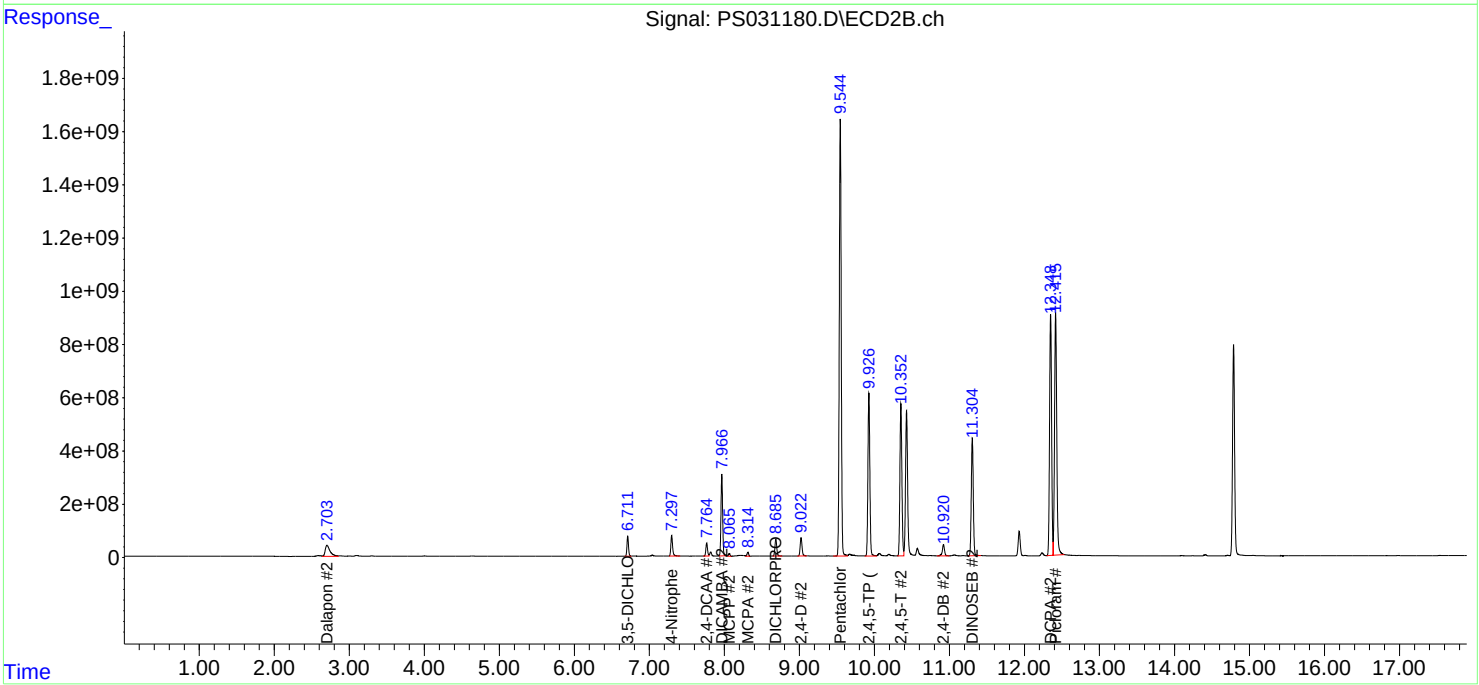
Manual Integrations APPROVED

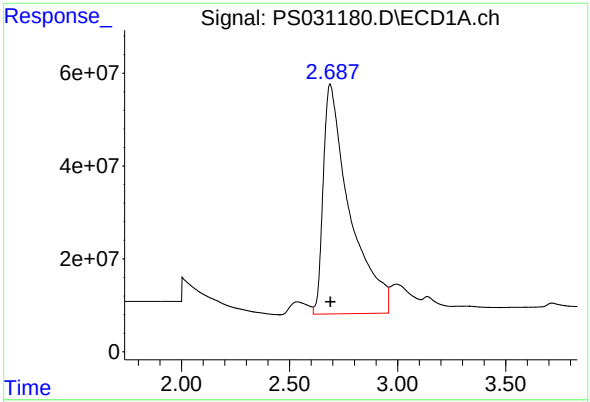
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

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

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







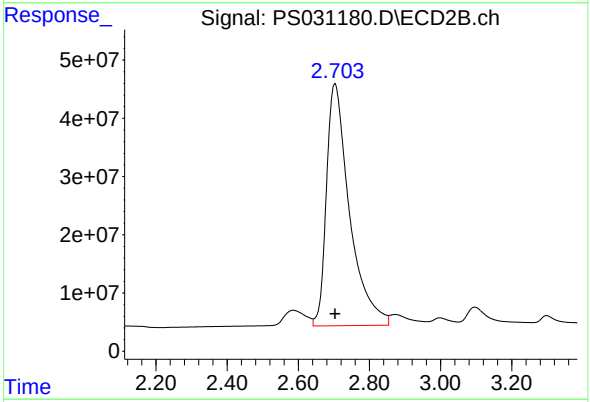
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

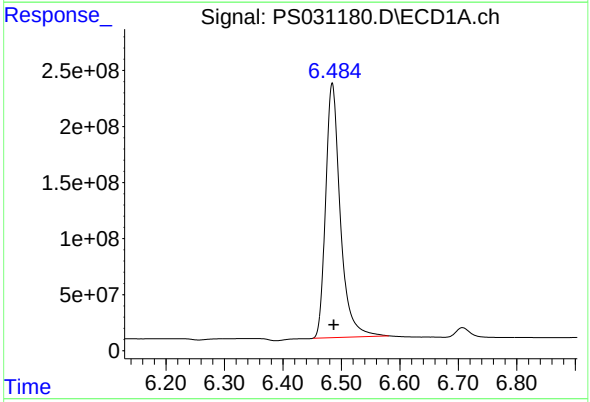
Manual Integrations
APPROVED

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



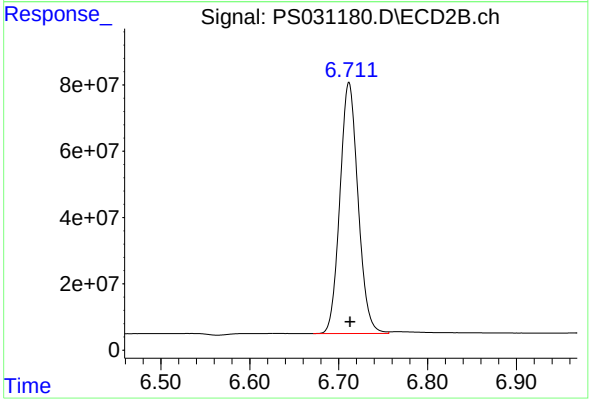
#1 Dalapon

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



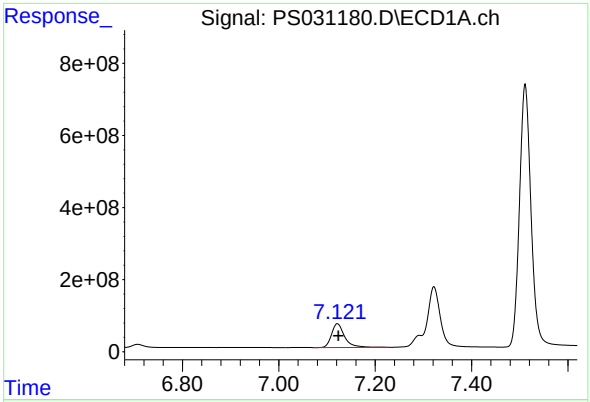
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

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



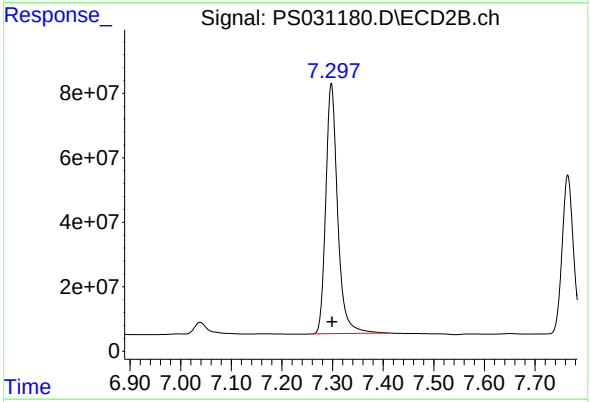
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

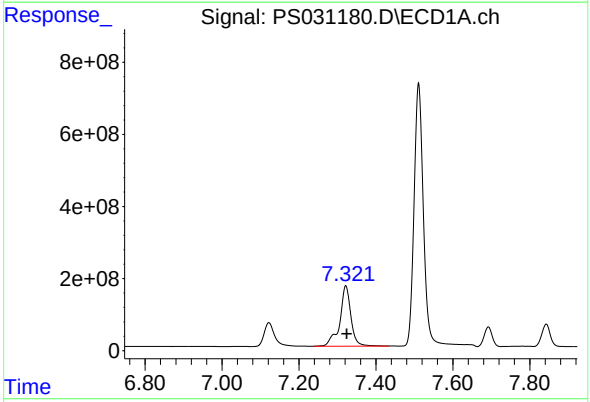
Manual Integrations APPROVED

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



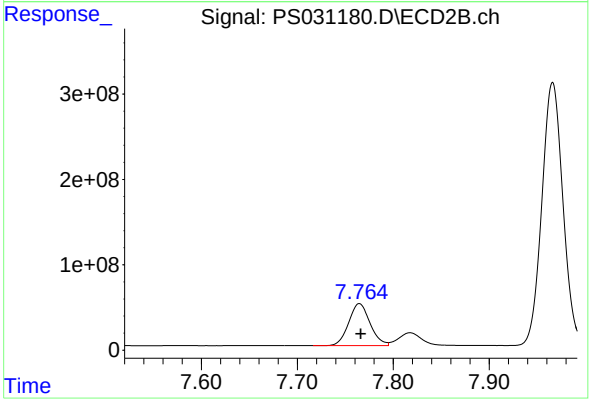
#3 4-Nitrophenol

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



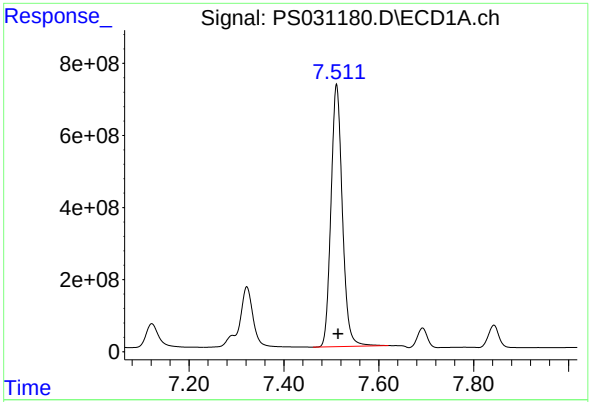
#4 2,4-DCAA

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



#4 2,4-DCAA

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



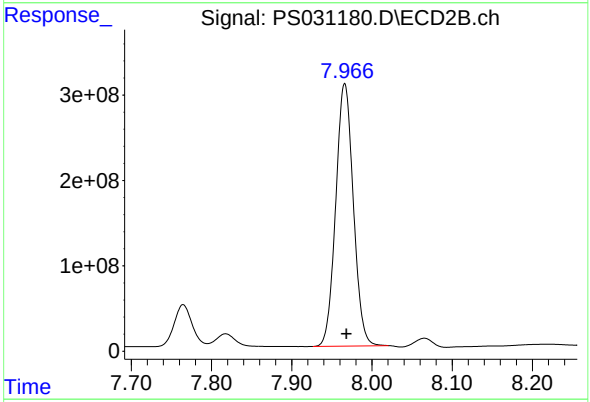
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

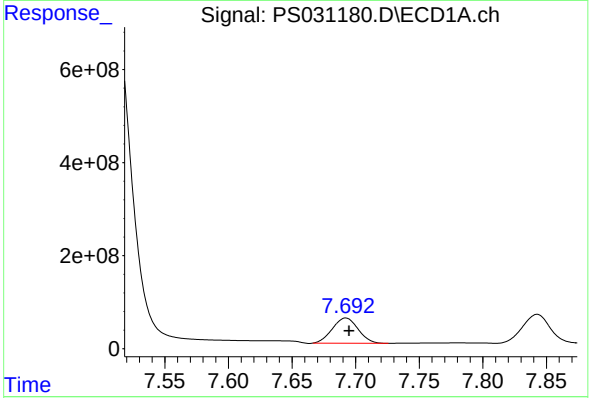
Manual Integrations APPROVED

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



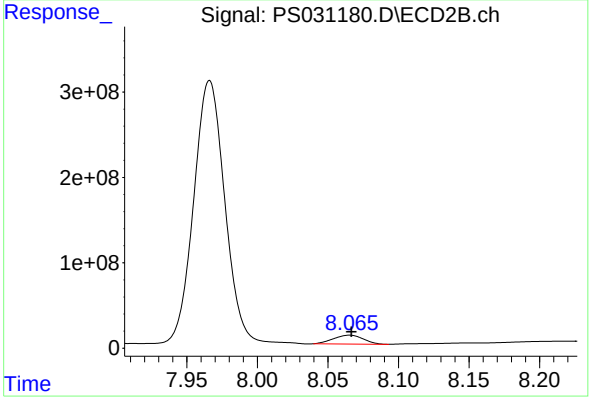
#5 DICAMBA

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



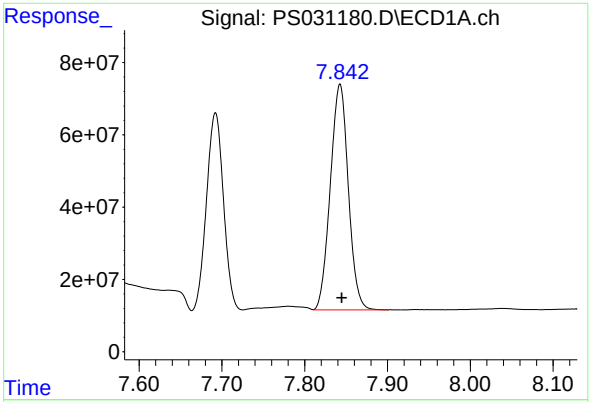
#6 MCPP

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



#6 MCPP

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



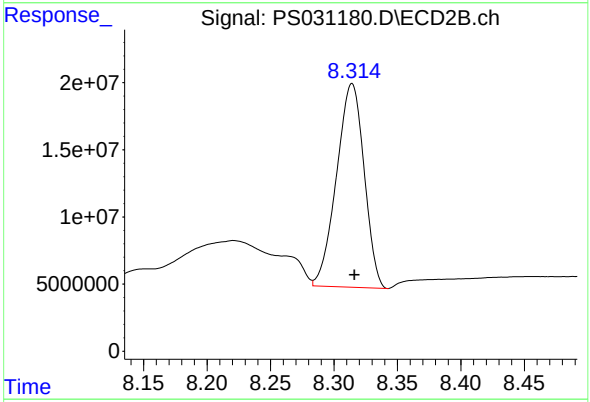
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

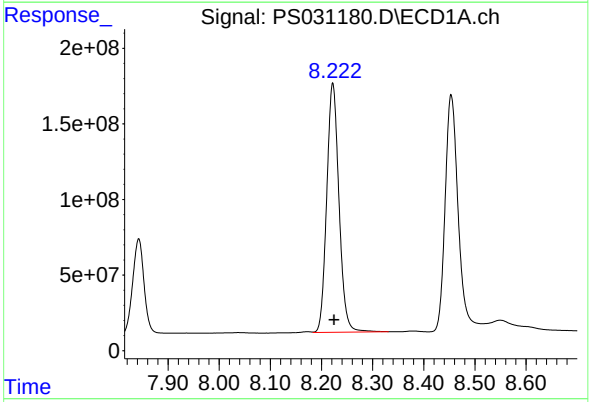
Manual Integrations APPROVED

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



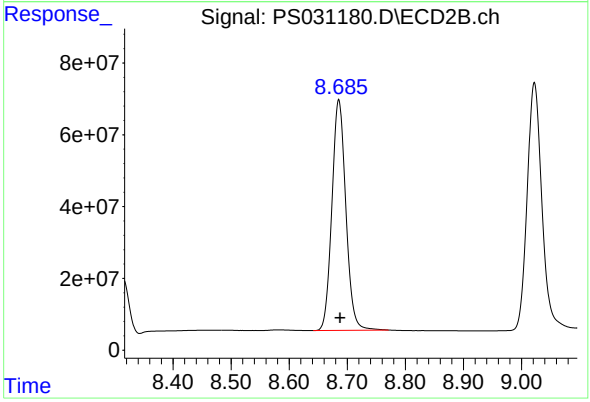
#7 MCPA

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



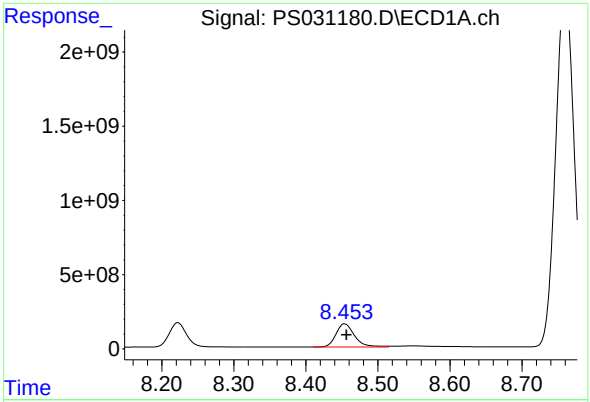
#8 DICHLORPROP

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



#8 DICHLORPROP

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



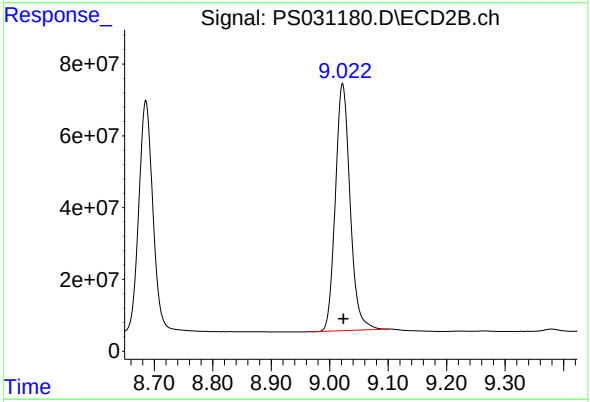
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

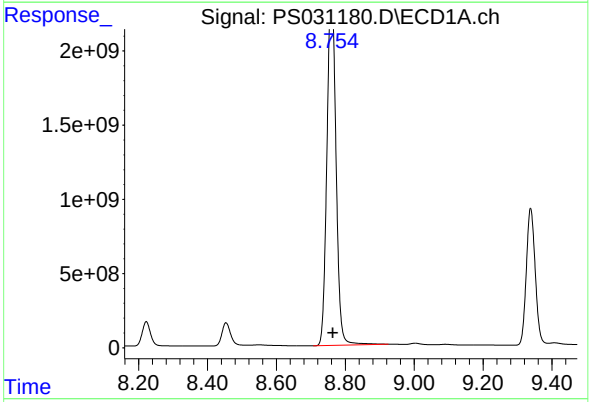
Manual Integrations APPROVED

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



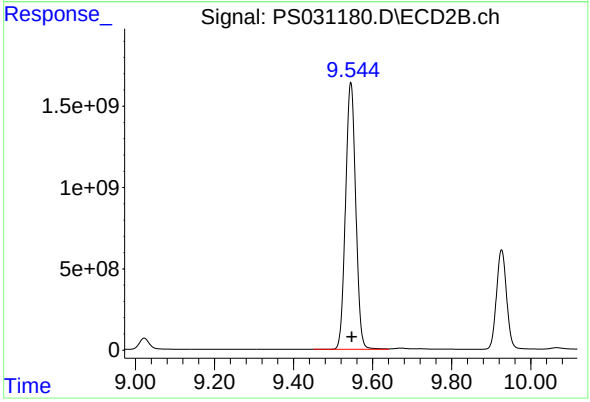
#9 2,4-D

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



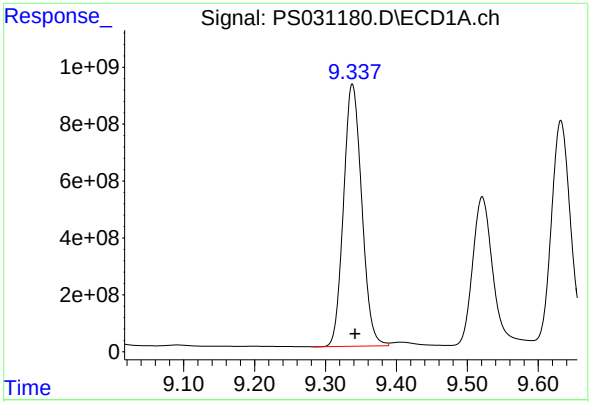
#10 Pentachlorophenol

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



#10 Pentachlorophenol

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



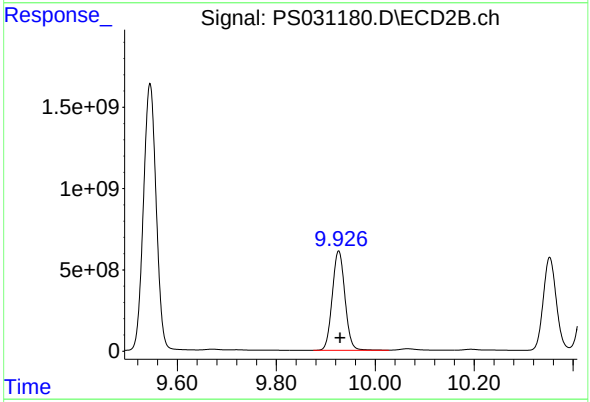
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

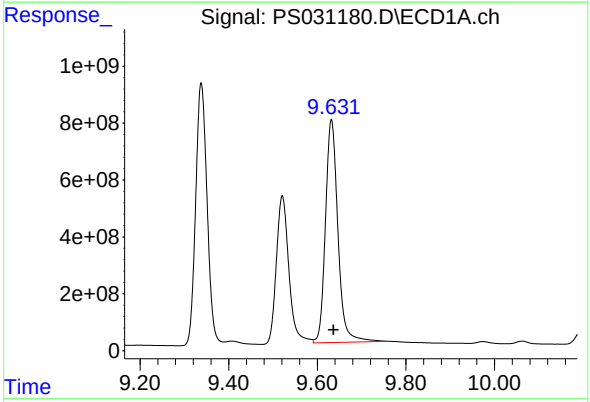
Manual Integrations
APPROVED

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



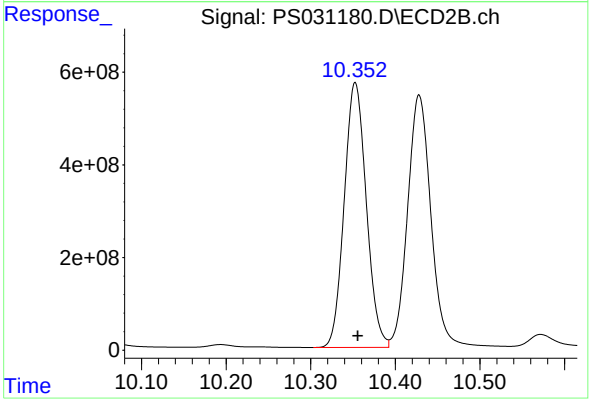
#11 2,4,5-TP (SILVEX)

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



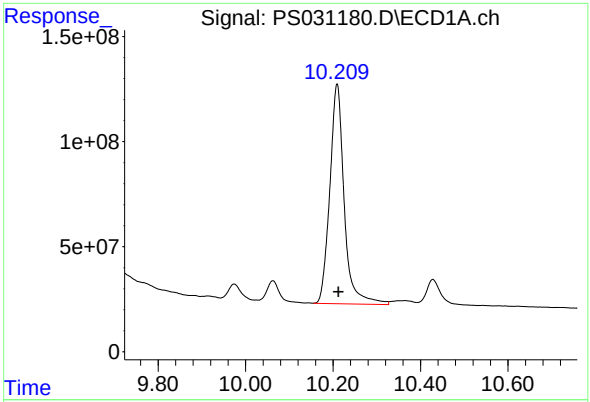
#12 2,4,5-T

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



#12 2,4,5-T

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



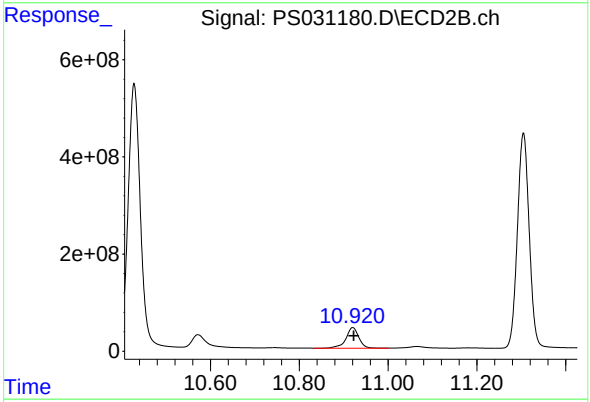
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

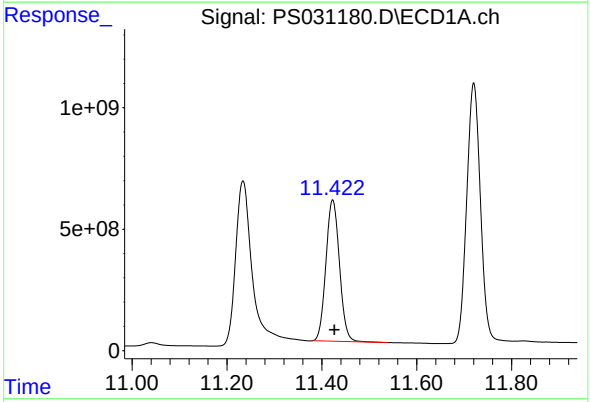
Manual Integrations
APPROVED

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



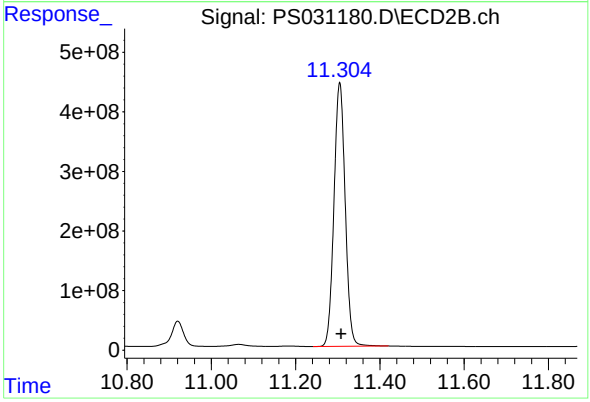
#13 2,4-DB

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



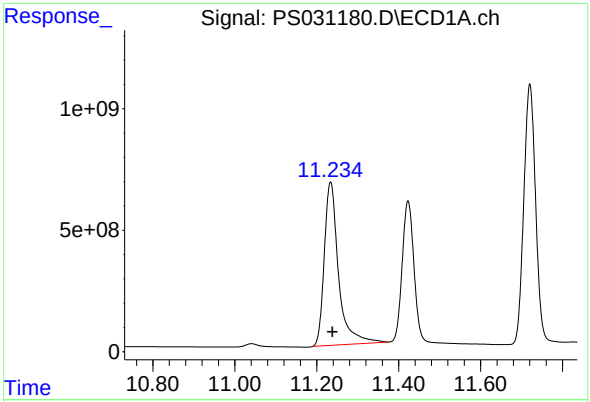
#14 DINOSEB

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



#14 DINOSEB

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



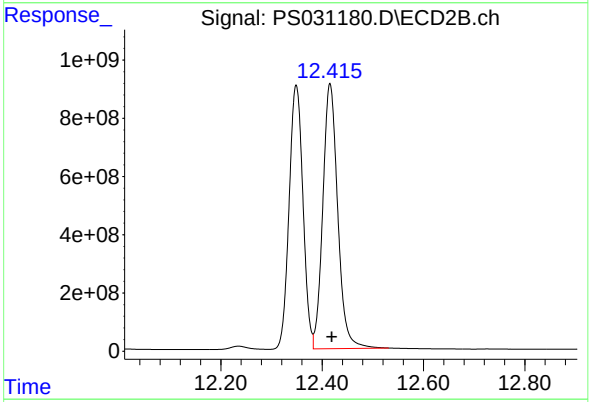
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

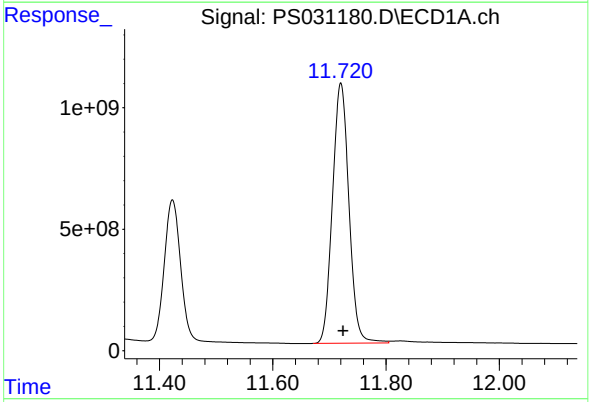
Manual Integrations APPROVED

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



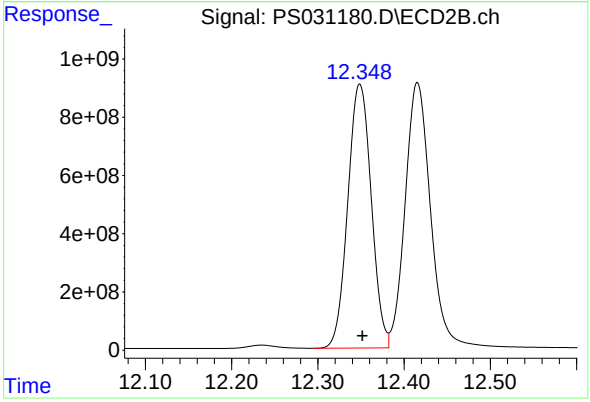
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Raw Data: **PS031192.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

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

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

Raw Data: **PS031192.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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.:** Q2639

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

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

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

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

Raw Data: **PS031192.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

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

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

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

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

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

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

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

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

Sample Results: **PS031192.D**

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

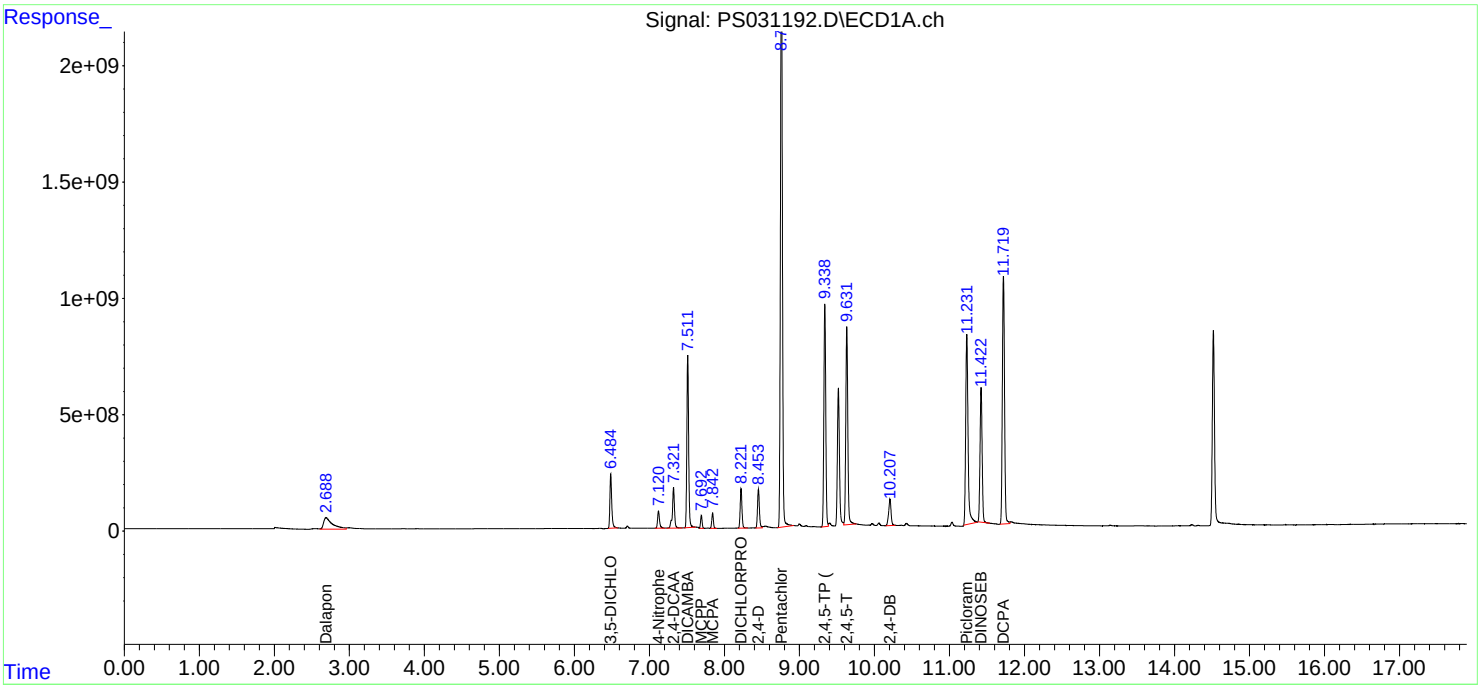
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

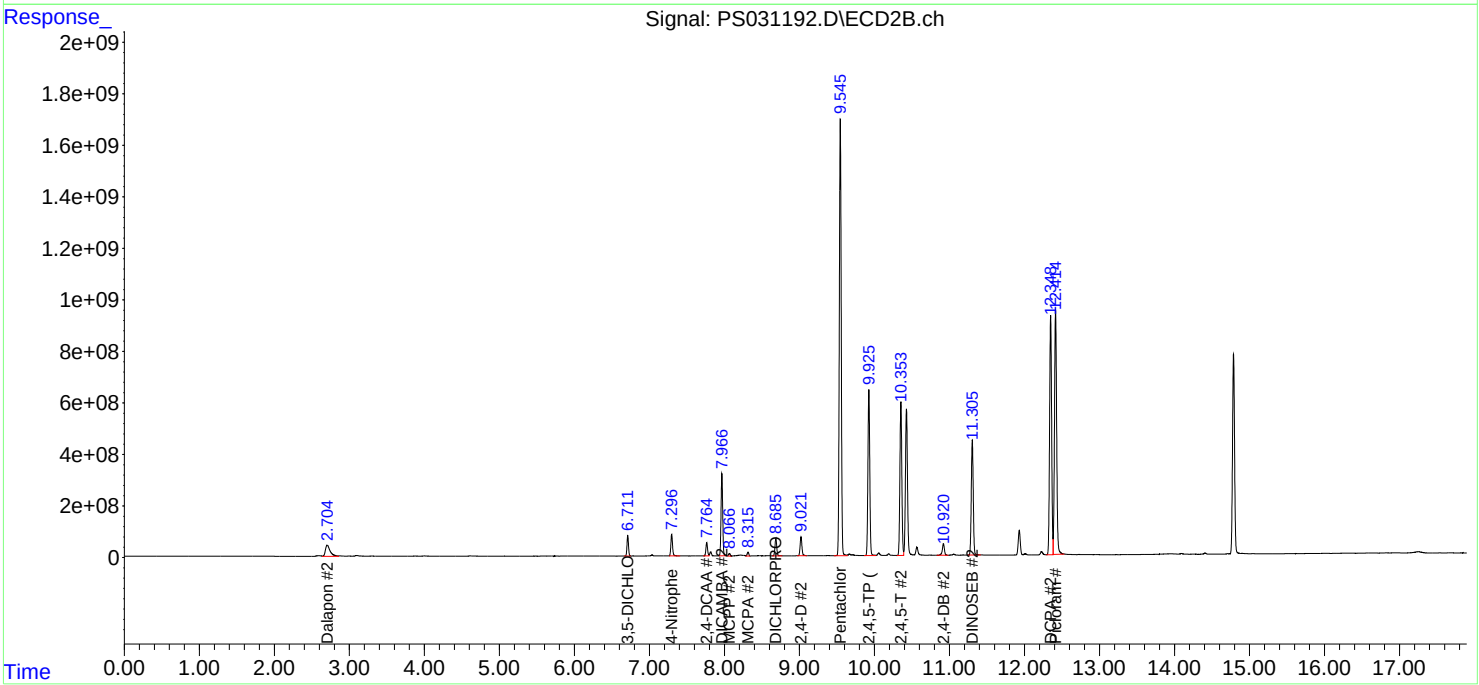
Manual Integrations APPROVED

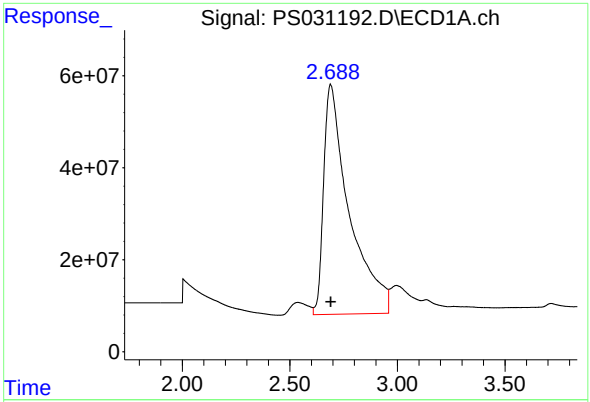
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

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







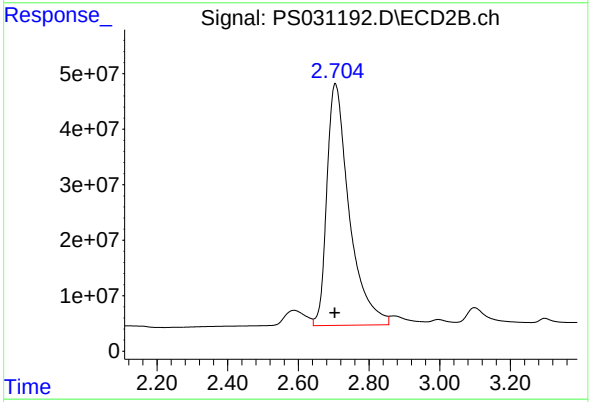
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

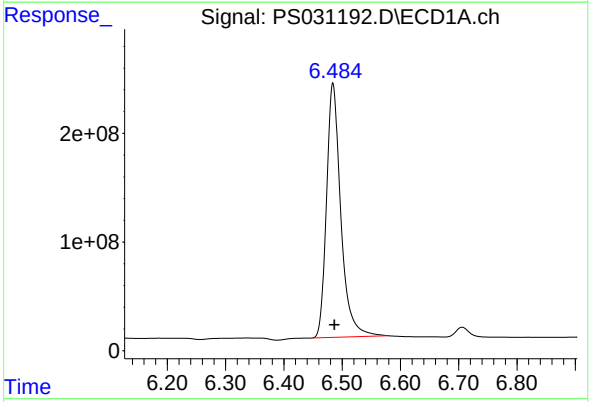
Manual Integrations
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Supervised By :mohammad ahmed 07/25/2025



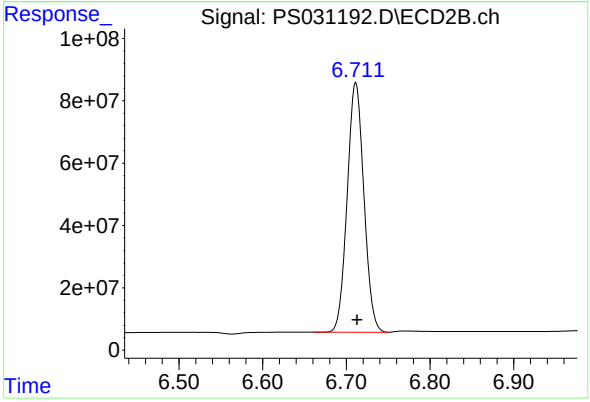
#1 Dalapon

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



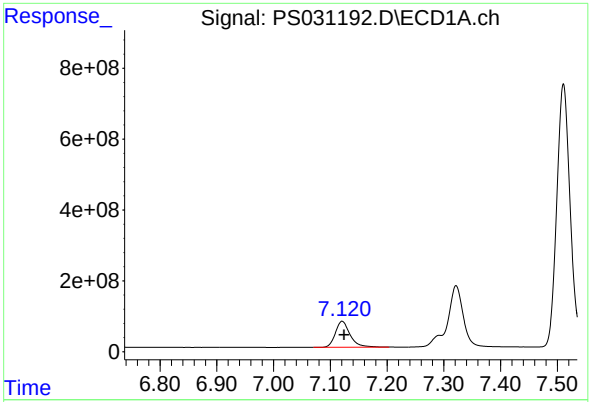
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

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



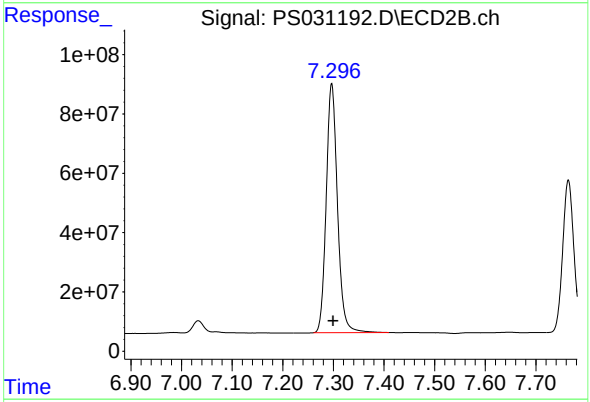
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

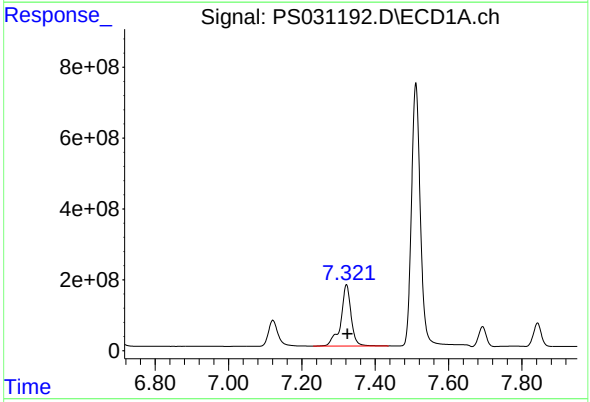
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/25/2025



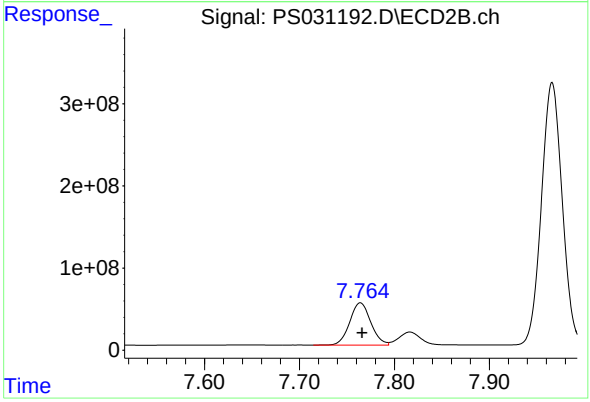
#3 4-Nitrophenol

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



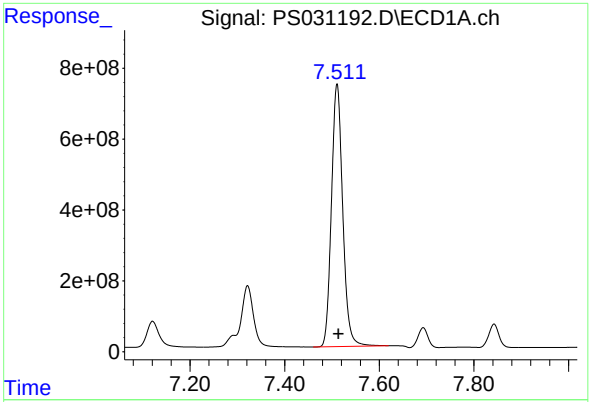
#4 2,4-DCAA

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



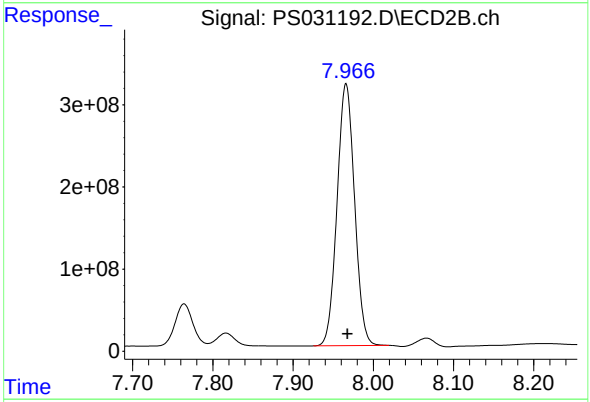
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

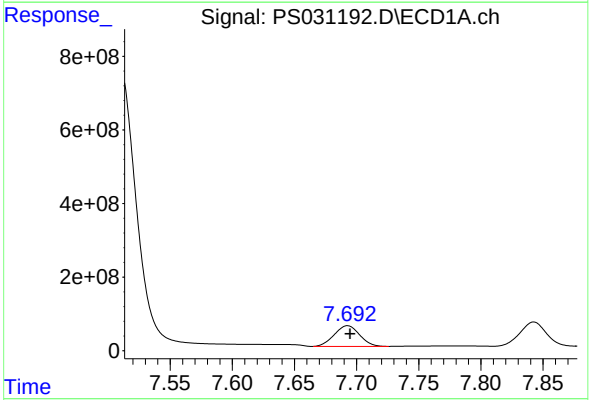
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Supervised By :mohammad ahmed 07/25/2025



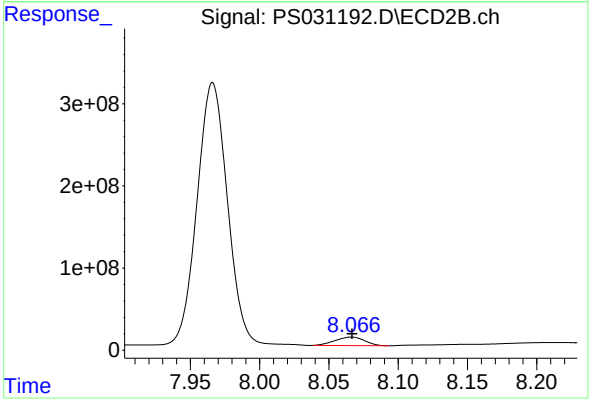
#5 DICAMBA

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



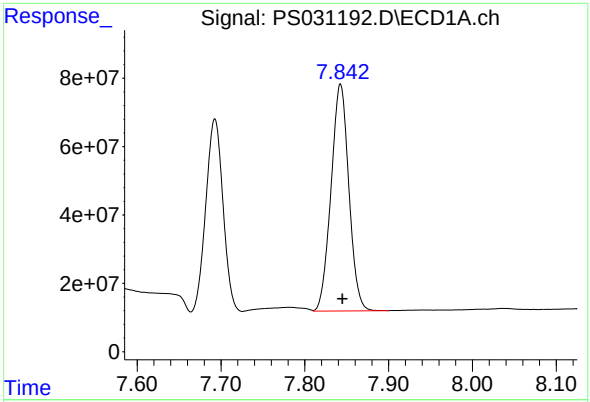
#6 MCPP

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



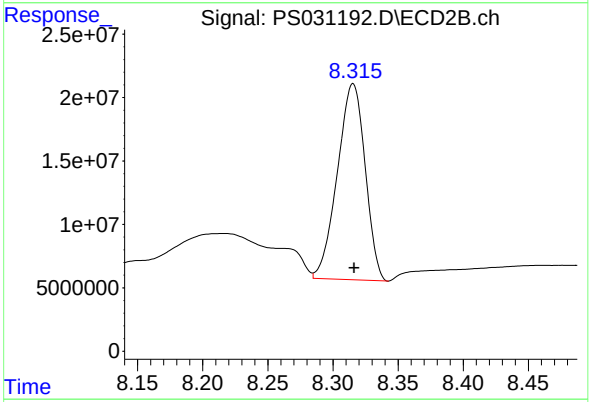
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

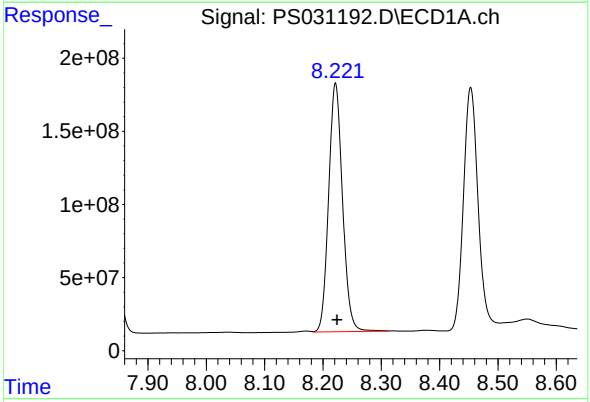
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 07/25/2025



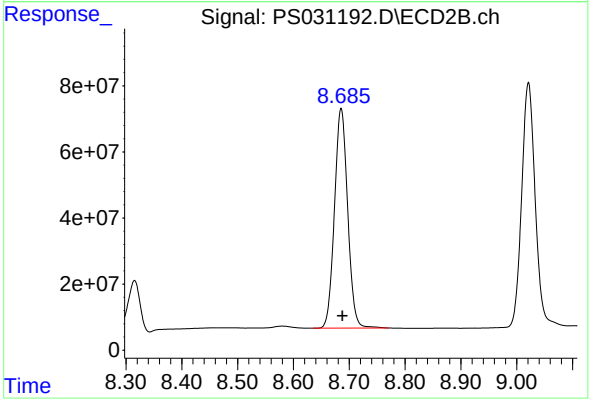
#7 MCPA

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



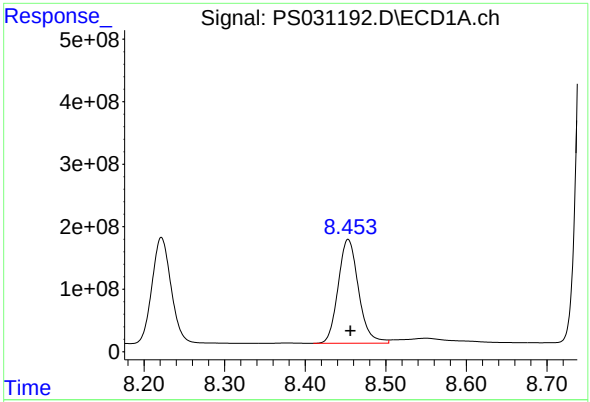
#8 DICHLORPROP

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



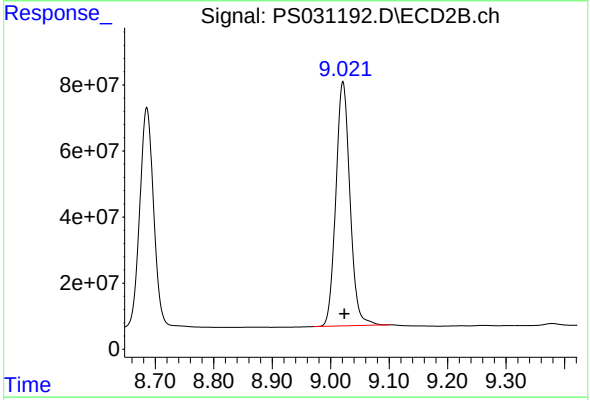
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

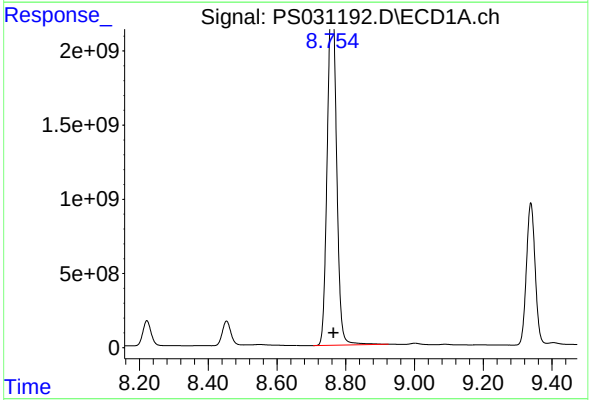
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/25/2025



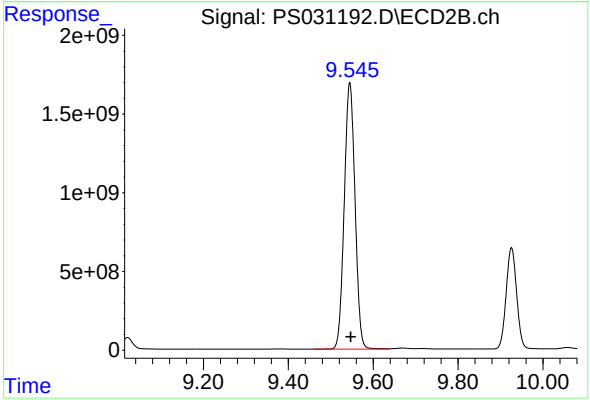
#9 2,4-D

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



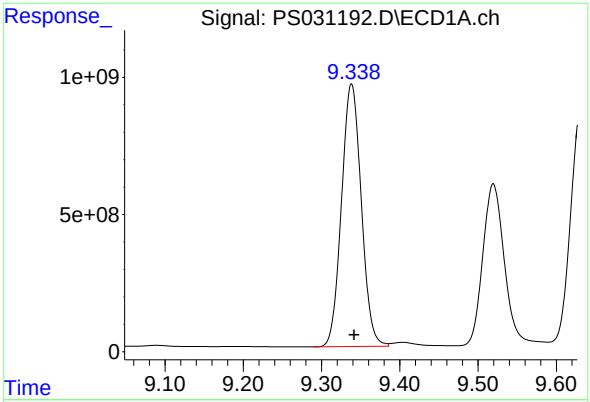
#10 Pentachlorophenol

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



#10 Pentachlorophenol

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



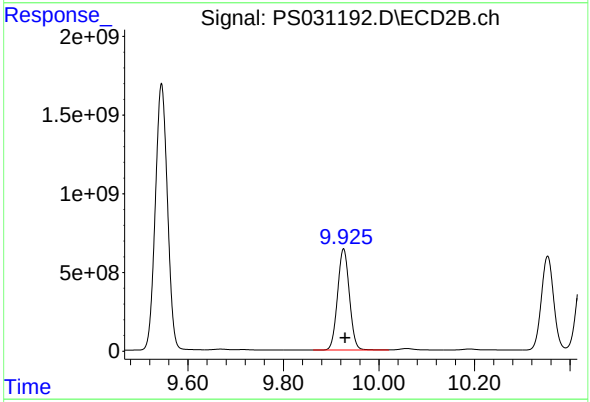
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

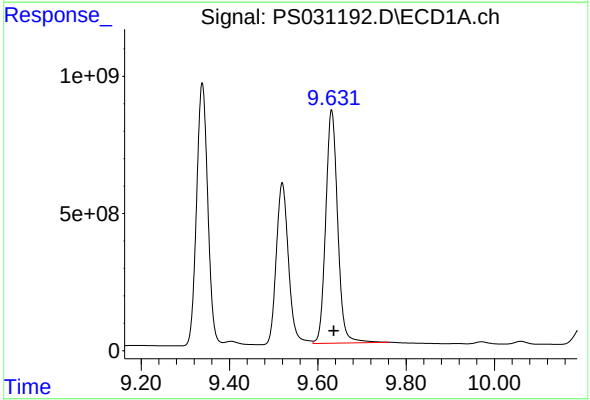
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 07/25/2025



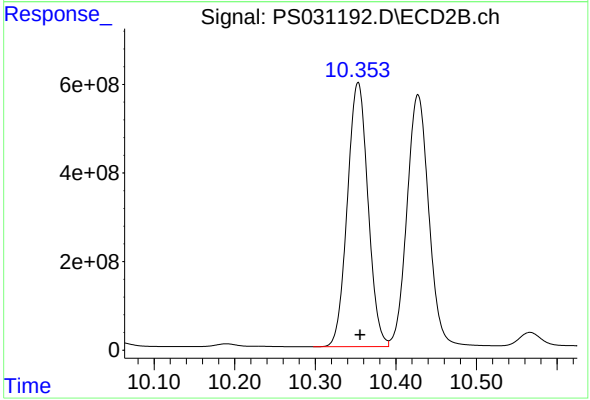
#11 2,4,5-TP (SILVEX)

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



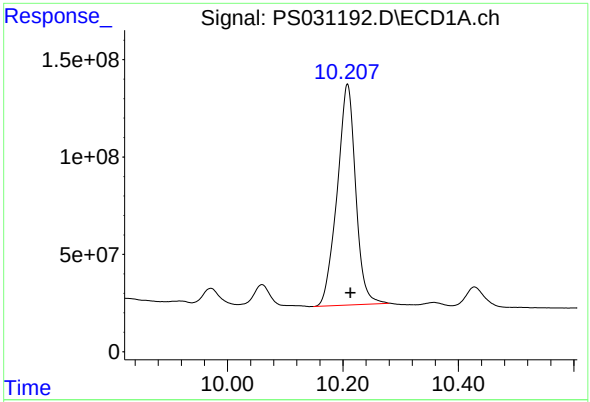
#12 2,4,5-T

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



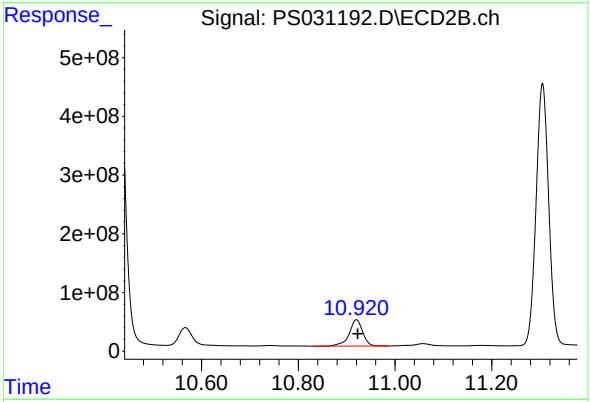
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

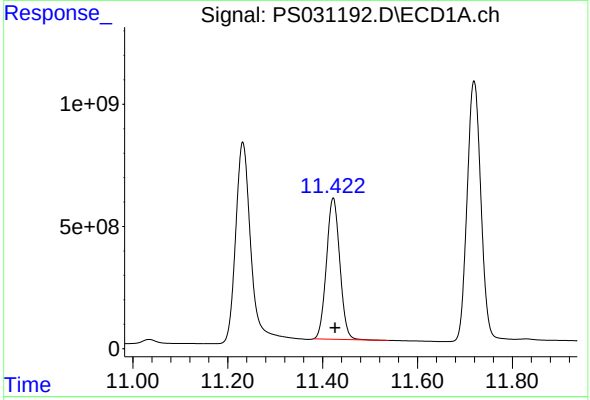
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Supervised By :mohammad ahmed 07/25/2025



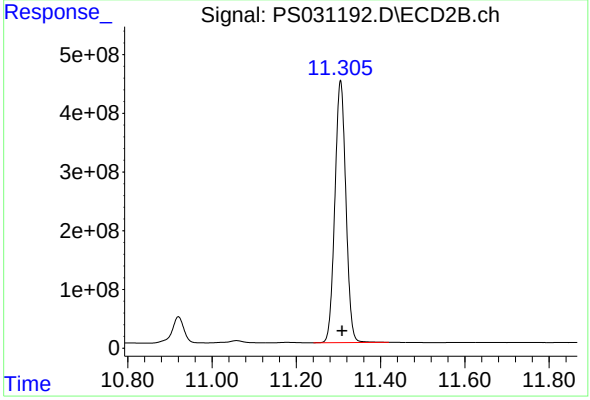
#13 2,4-DB

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



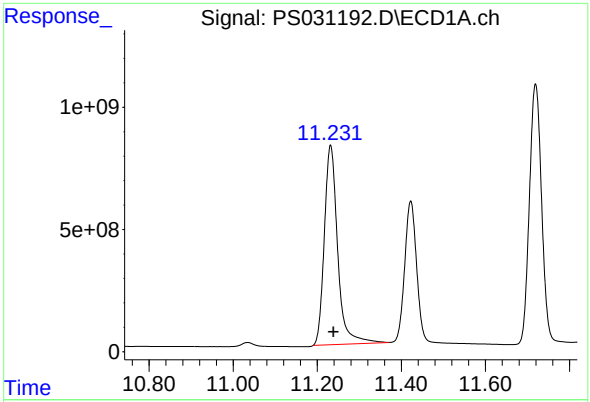
#14 DINOSEB

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



#14 DINOSEB

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



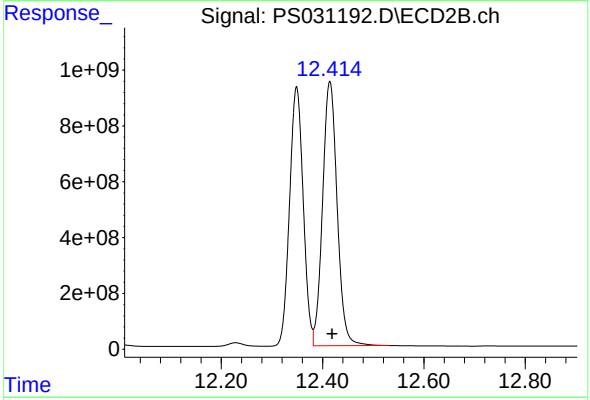
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

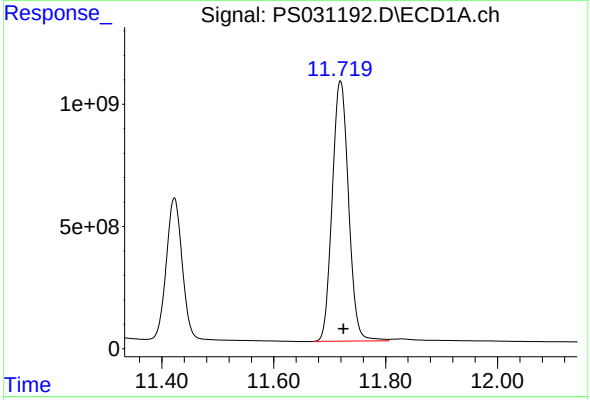
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/25/2025



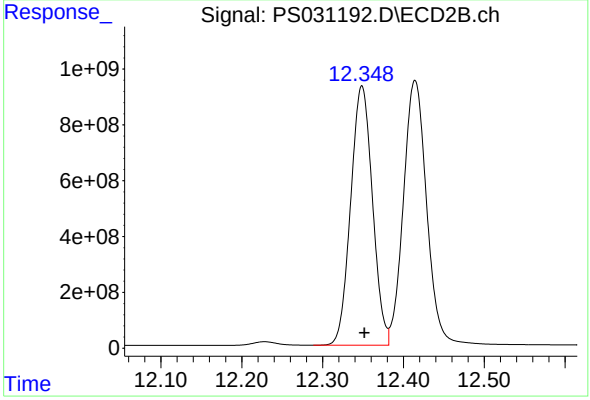
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Raw Data: **PS031210.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

Continuing Calib Time: 22:27 **Initial Calibration Time(s):** 15:02 16:39

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

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

Raw Data: **PS031210.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

Continuing Calib Time: 22:27 **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	-0.01
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.92	10.82	11.02	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

Raw Data: **PS031210.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

Client Sample No.: CCAL03 **Date Analyzed:** 07/23/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031210.D **Time Analyzed:** 22:27

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	816.880	712.500	14.6
2,4,5-TP(Silvex)	9.337	9.242	9.442	770.070	712.500	8.1
2,4-D	8.452	8.356	8.556	779.600	705.000	10.6
2,4-DB	10.206	10.113	10.313	811.660	712.500	13.9
2,4-DCAA	7.320	7.225	7.425	786.300	750.000	4.8
Dalapon	2.691	2.590	2.790	654.040	682.500	-4.2
DICAMBA	7.509	7.414	7.614	747.660	705.000	6.1
DICHLORPROP	8.220	8.124	8.324	738.070	705.000	4.7
Dinoseb	11.419	11.327	11.527	736.070	705.000	4.4

Raw Data: **PS031210.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

Client Sample No.: CCAL03 **Date Analyzed:** 07/23/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031210.D **Time Analyzed:** 22:27

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	754.750	712.500	5.9
2,4,5-TP(Silvex)	9.926	9.829	10.029	753.120	712.500	5.7
2,4-D	9.021	8.924	9.124	735.660	705.000	4.3
2,4-DB	10.920	10.823	11.023	752.510	712.500	5.6
2,4-DCAA	7.764	7.666	7.866	781.380	750.000	4.2
Dalapon	2.706	2.603	2.803	694.780	682.500	1.8
DICAMBA	7.966	7.868	8.068	756.960	705.000	7.4
DICHLORPROP	8.685	8.588	8.788	730.630	705.000	3.6
Dinoseb	11.305	11.208	11.408	721.240	705.000	2.3

Sample Results: **PS031210.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 22:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 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 01:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.320	7.764	3419.0E6	793.1E6	786.298	781.379
		Target Compounds						
1)	T	Dalapon	2.691	2.706	4102.7E6	1970.9E6	654.039	694.785
2)	T	3,5-DICHL...	6.483	6.711	4016.9E6	1113.4E6	727.344	723.068
3)	T	4-Nitroph...	7.119	7.297	1328.3E6	1305.2E6	805.642	721.368
5)	T	DICAMBA	7.509	7.966	12334.1E6	4884.9E6	747.656	756.957
6)	T	MCPP	7.691	8.066	792.7E6	155.7E6	79.191	74.941
7)	T	MCPA	7.841	8.316	977.3E6	229.4E6	78.091	72.704
8)	T	DICHLORPROP	8.220	8.685	2820.9E6	1106.8E6	738.070	730.629
9)	T	2,4-D	8.452	9.021	2911.8E6	1249.4E6	779.604	735.662
10)	T	Pentachlo...	8.760	9.545	43068.6E6	30353.5E6	788.492	776.677
11)	T	2,4,5-TP ...	9.337	9.926	16905.8E6	11217.1E6	770.071	753.119
12)	T	2,4,5-T	9.630	10.352	15951.9E6	10732.2E6	816.881	754.754
13)	T	2,4-DB	10.206	10.920	2426.8E6	880.8E6	811.662m	752.507
14)	T	DINOSEB	11.419	11.305	11460.3E6	8151.5E6	736.073m	721.237
15)	T	Picloram	11.230	12.414	17165.3E6	19000.0E6	857.982	763.203
16)	T	DCPA	11.717	12.348	21983.7E6	17744.6E6	766.156	770.297m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 22:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

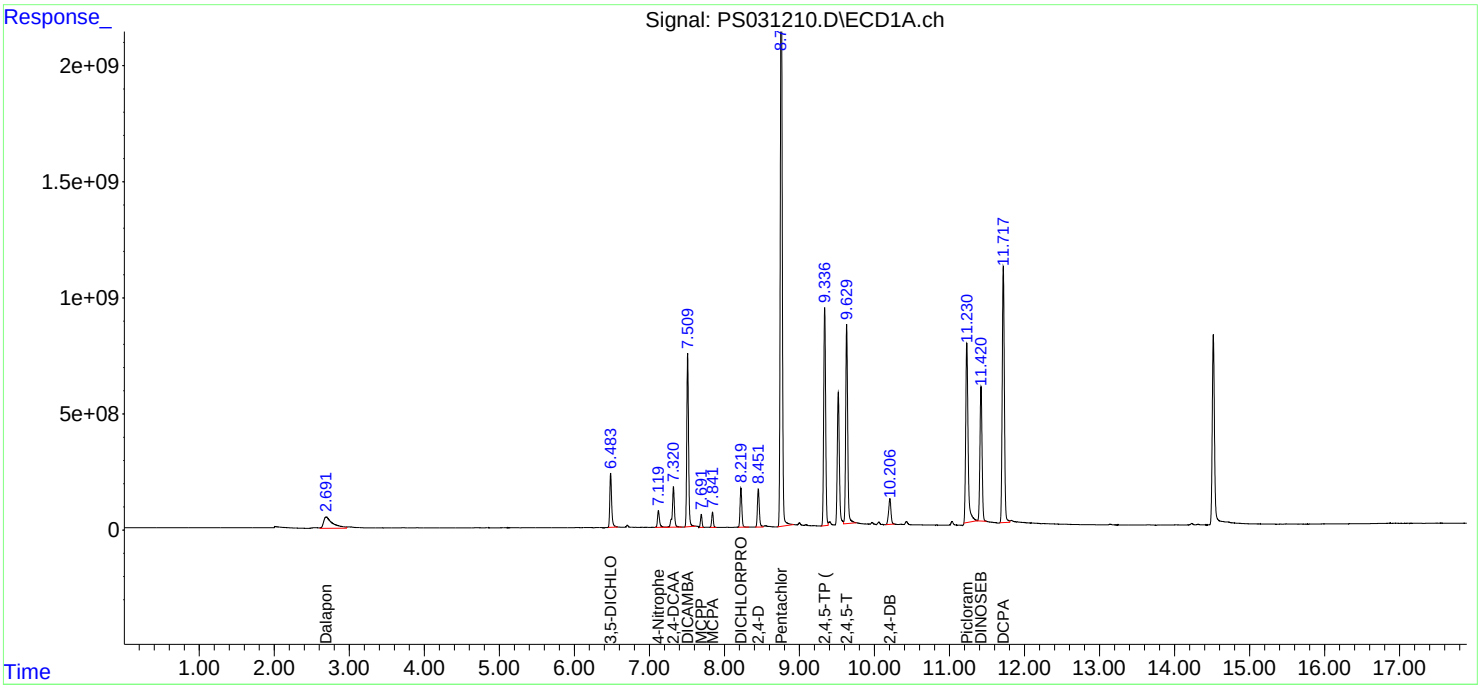
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

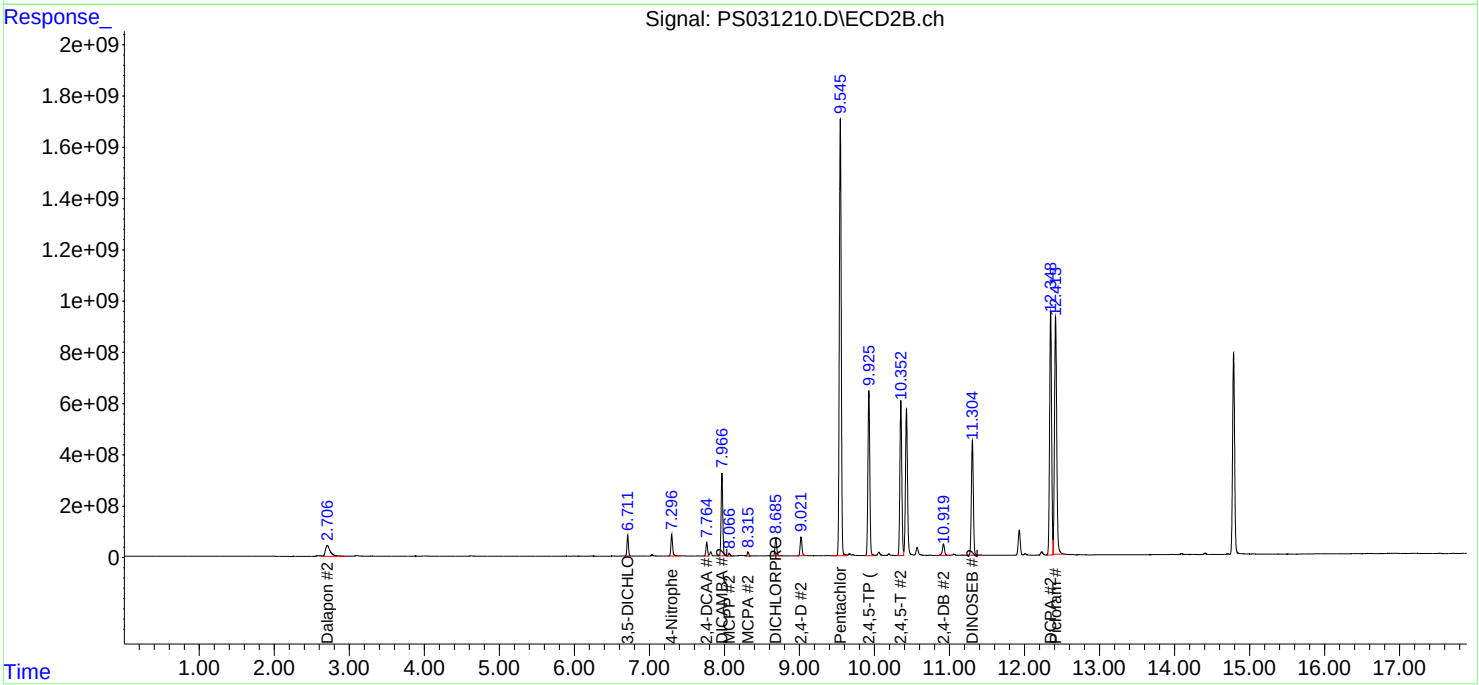
Manual Integrations APPROVED

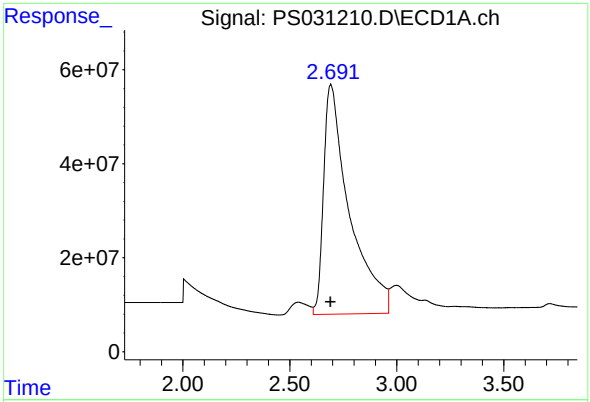
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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







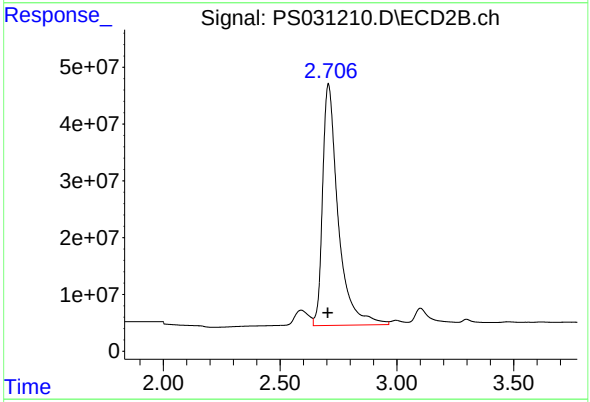
#1 Dalapon

R.T.: 2.691 min
Delta R.T.: 0.000 min
Response: 4102723161
Conc: 654.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

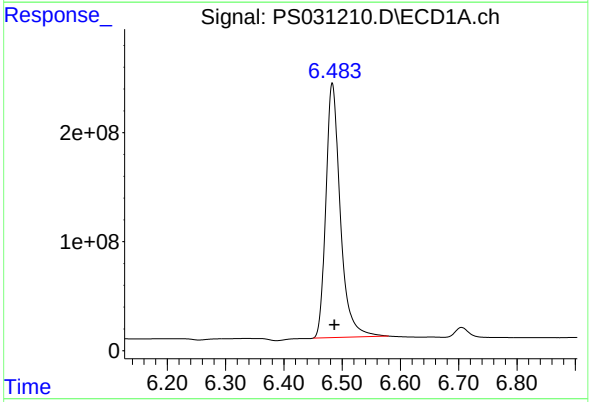
Manual Integrations
APPROVED

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



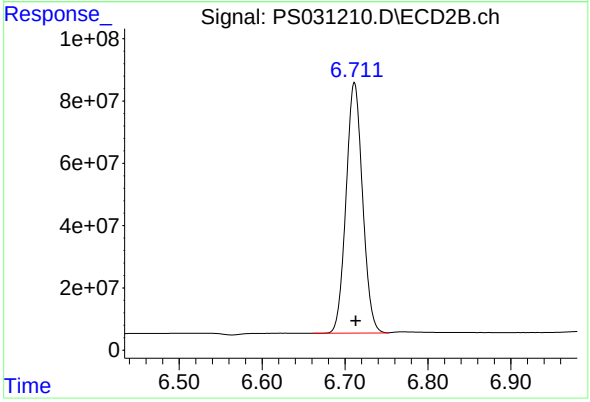
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: 0.003 min
Response: 1970923443
Conc: 694.78 ng/ml



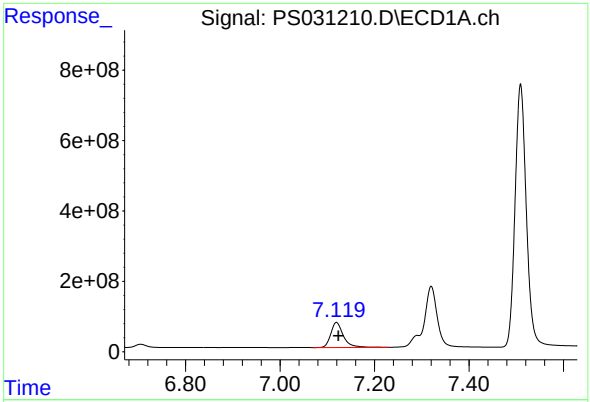
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 4016942114
Conc: 727.34 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1113448064
Conc: 723.07 ng/ml



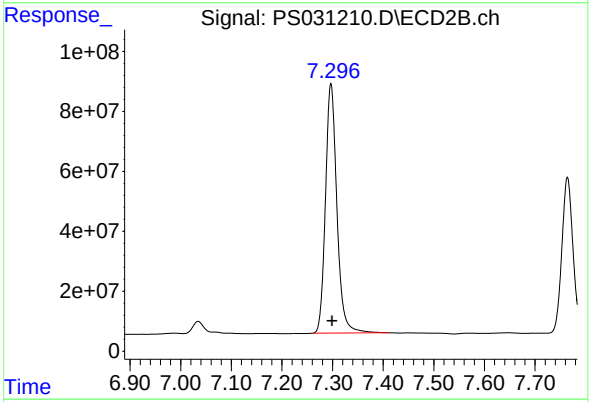
#3 4-Nitrophenol

R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 1328330393
Conc: 805.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

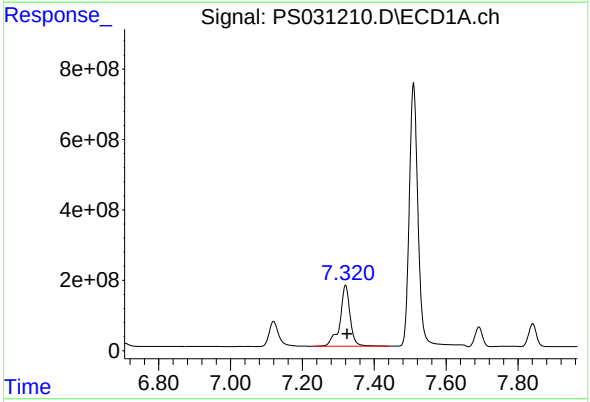
Manual Integrations
APPROVED

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



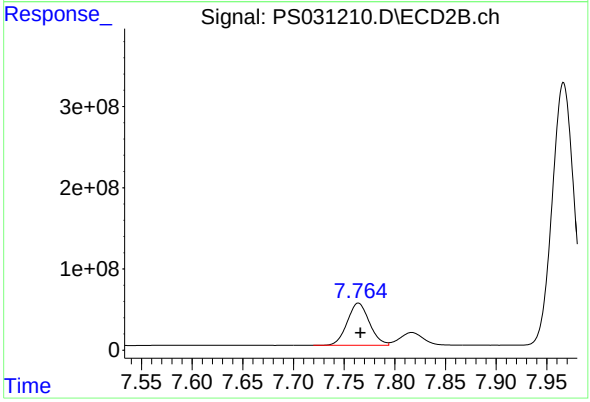
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 1305183849
Conc: 721.37 ng/ml



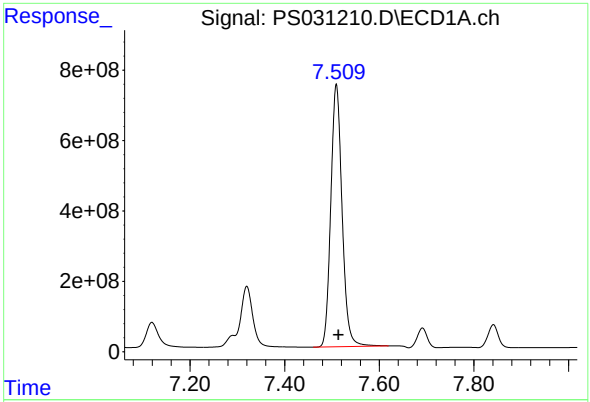
#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 3419023082
Conc: 786.30 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 793075316
Conc: 781.38 ng/ml



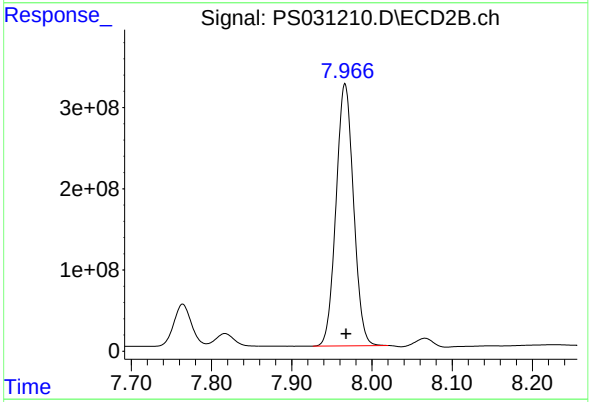
#5 DICAMBA

R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 12334051936
Conc: 747.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

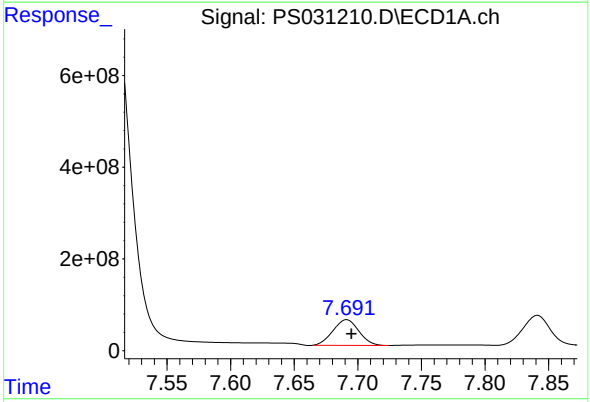
Manual Integrations
APPROVED

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



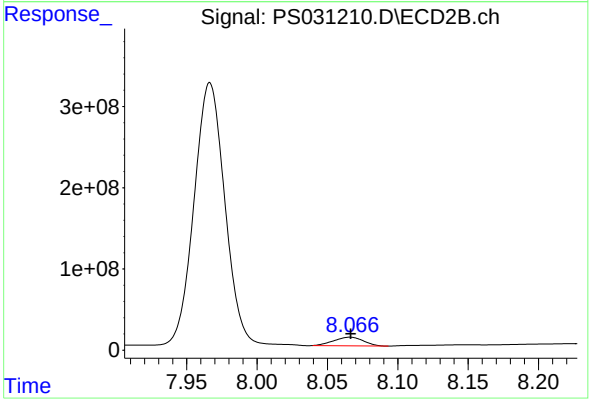
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.001 min
Response: 4884921638
Conc: 756.96 ng/ml



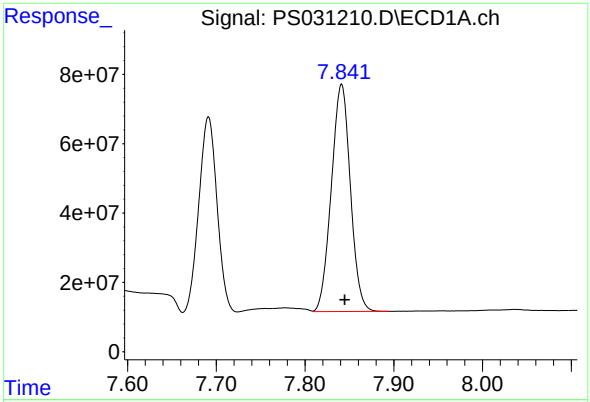
#6 MCPP

R.T.: 7.691 min
Delta R.T.: -0.004 min
Response: 792704866
Conc: 79.19 ug/ml



#6 MCPP

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 155713237
Conc: 74.94 ug/ml



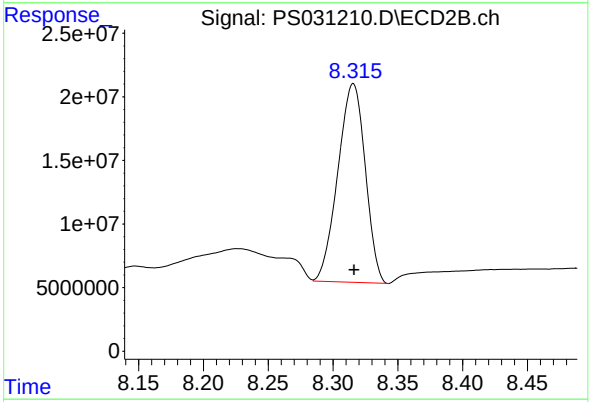
#7 MCPA

R.T.: 7.841 min
Delta R.T.: -0.003 min
Response: 977254229
Conc: 78.09 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

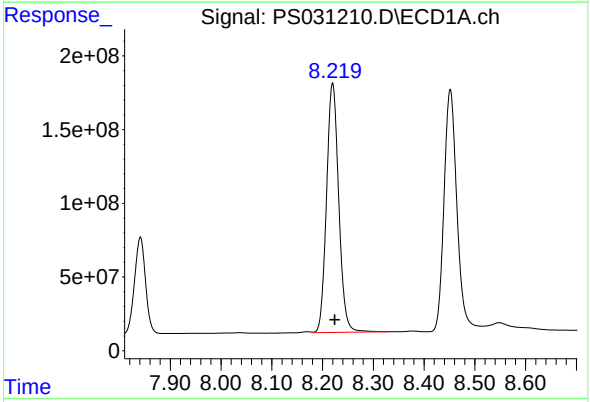
Manual Integrations
APPROVED

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



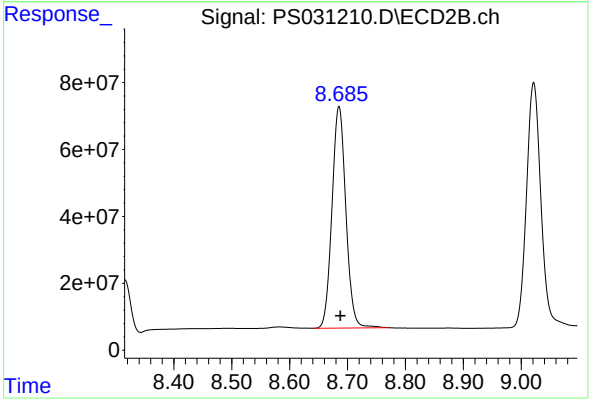
#7 MCPA

R.T.: 8.316 min
Delta R.T.: 0.000 min
Response: 229397428
Conc: 72.70 ug/ml



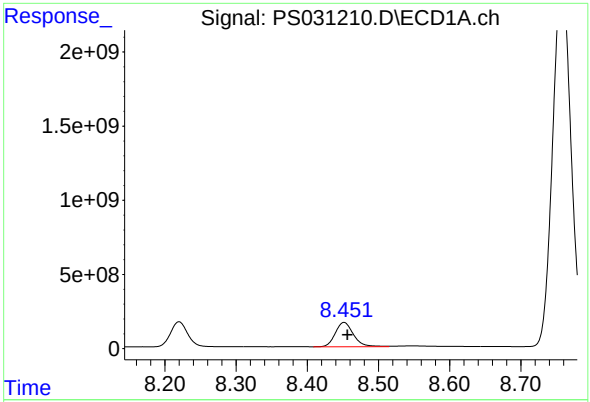
#8 DICHLORPROP

R.T.: 8.220 min
Delta R.T.: -0.005 min
Response: 2820869764
Conc: 738.07 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1106800582
Conc: 730.63 ng/ml



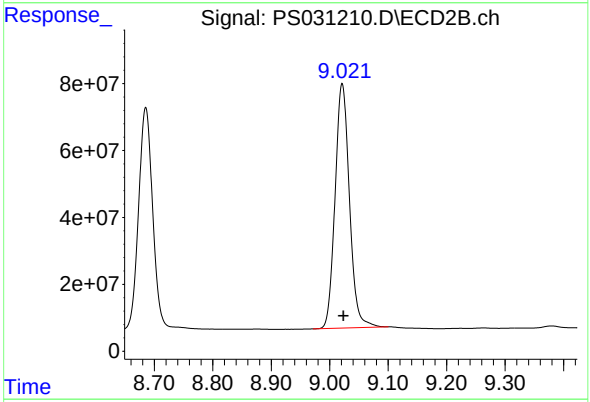
#9 2,4-D

R.T.: 8.452 min
Delta R.T.: -0.005 min
Response: 2911755081
Conc: 779.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

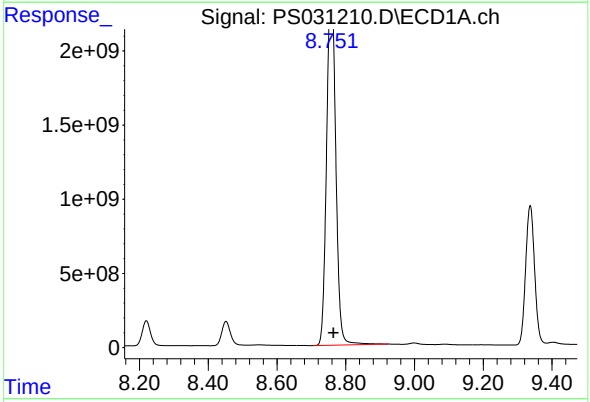
Manual Integrations APPROVED

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



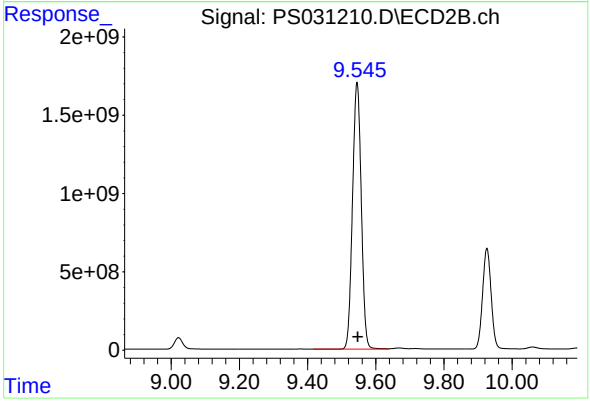
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.002 min
Response: 1249389677
Conc: 735.66 ng/ml



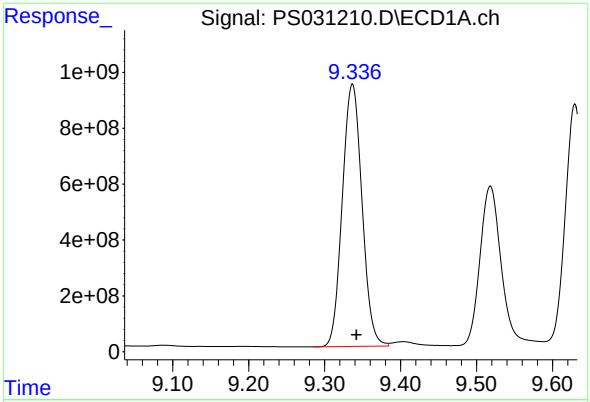
#10 Pentachlorophenol

R.T.: 8.760 min
Delta R.T.: -0.003 min
Response: 43068632712
Conc: 788.49 ng/ml



#10 Pentachlorophenol

R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 30353456563
Conc: 776.68 ng/ml



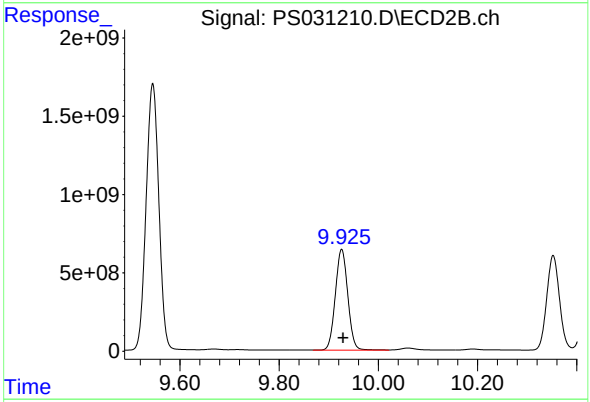
#11 2,4,5-TP (SILVEX)

R.T.: 9.337 min
Delta R.T.: -0.005 min
Response: 16905806550
Conc: 770.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

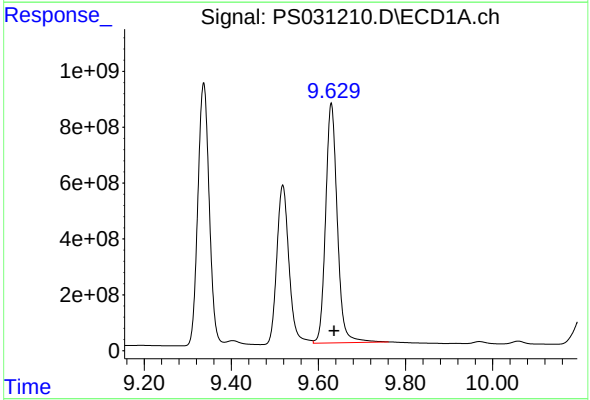
Manual Integrations
APPROVED

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



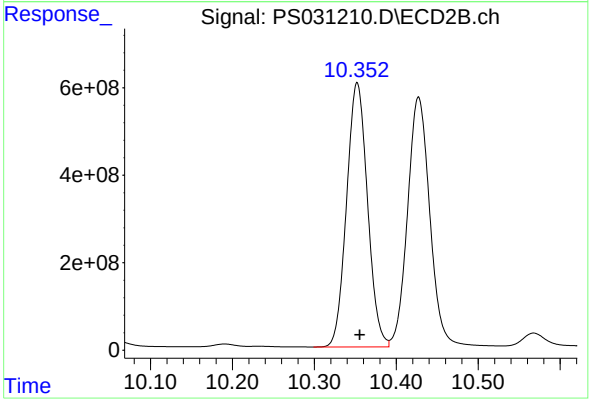
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 11217097927
Conc: 753.12 ng/ml



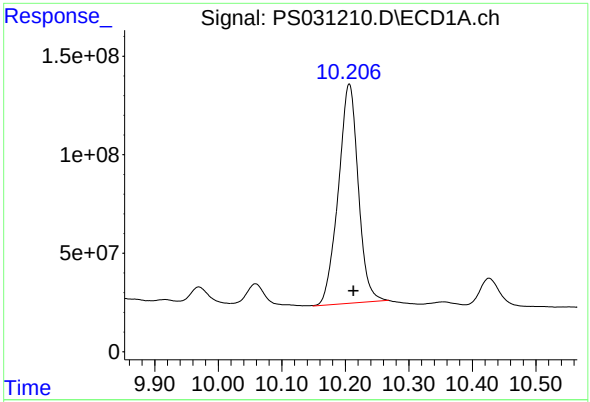
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 15951888377
Conc: 816.88 ng/ml



#12 2,4,5-T

R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 10732189641
Conc: 754.75 ng/ml



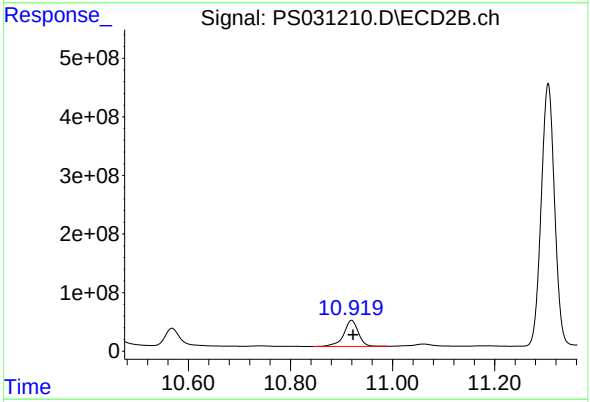
#13 2,4-DB

R.T.: 10.206 min
Delta R.T.: -0.007 min
Response: 2426774457
Conc: 811.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

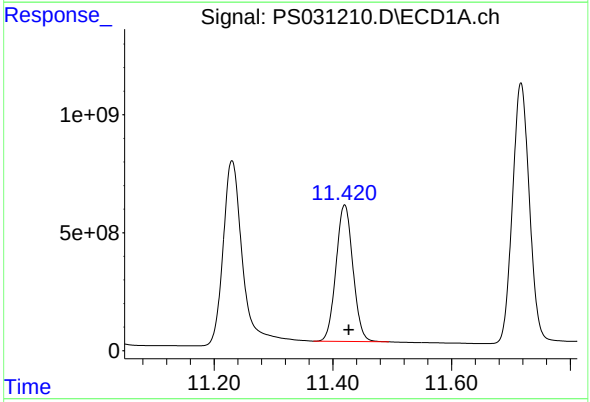
Manual Integrations
APPROVED

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



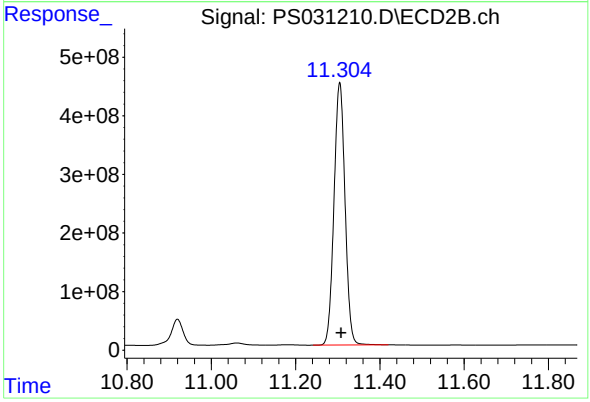
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 880817897
Conc: 752.51 ng/ml



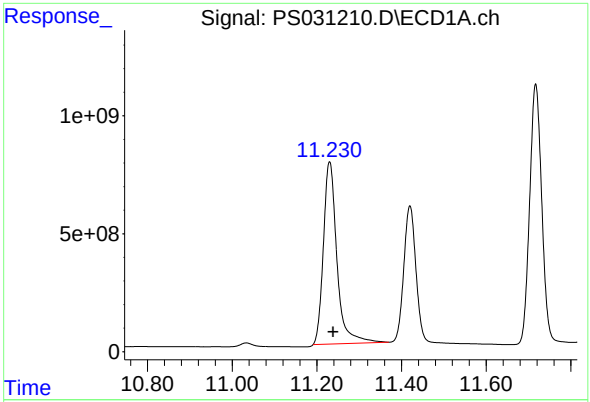
#14 DINOSEB

R.T.: 11.419 min
Delta R.T.: -0.007 min
Response: 11460279848
Conc: 736.07 ng/ml m



#14 DINOSEB

R.T.: 11.305 min
Delta R.T.: -0.004 min
Response: 8151478132
Conc: 721.24 ng/ml



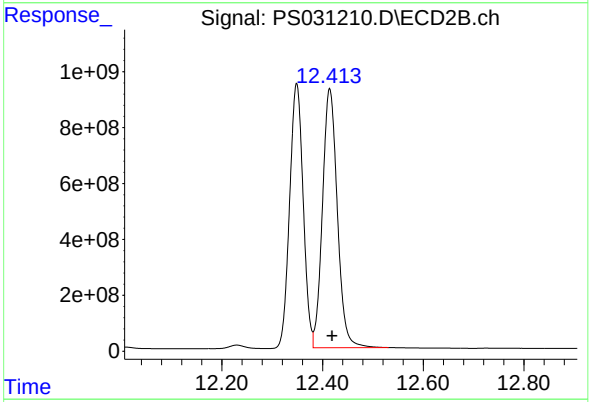
#15 Picloram

R.T.: 11.230 min
Delta R.T.: -0.008 min
Response: 17165277747
Conc: 857.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

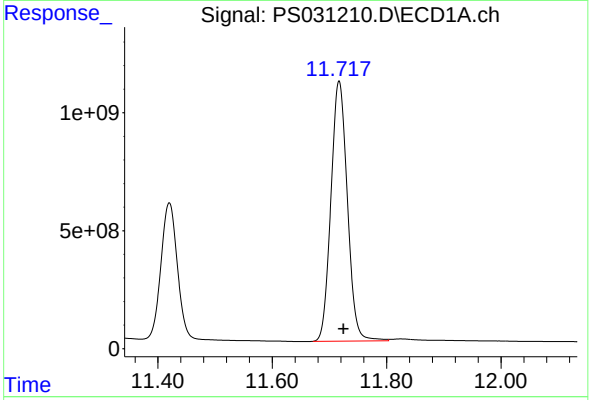
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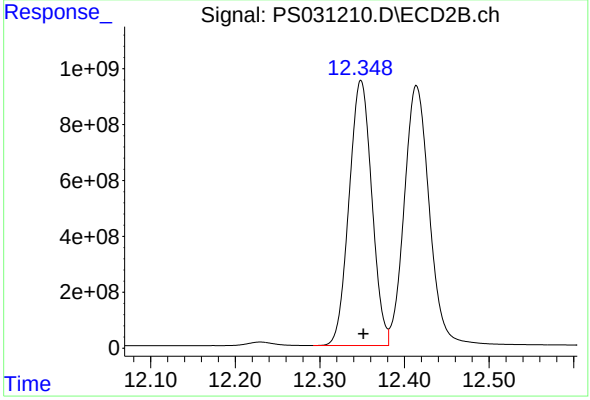
#15 Picloram

R.T.: 12.414 min
Delta R.T.: -0.004 min
Response: 18999958441
Conc: 763.20 ng/ml



#16 DCPA

R.T.: 11.717 min
Delta R.T.: -0.008 min
Response: 21983677085
Conc: 766.16 ng/ml



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.004 min
Response: 17744593451
Conc: 770.30 ng/ml m

Raw Data: **PS031219.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

Continuing Calib Time: 02:05 **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	0.01
Dinoseb	11.42	11.43	11.33	11.53	0.01

Raw Data: **PS031219.D**

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

Continuing Calib Time: 02:05 **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	11.30	11.31	11.21	11.41	0.01

Raw Data: **PS031219.D**

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

Lab Sample No.: HSTDCCC750 **Data File :** PS031219.D **Time Analyzed:** 02:05

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	834.050	712.500	17.1
2,4,5-TP(Silvex)	9.336	9.242	9.442	779.470	712.500	9.4
2,4-D	8.452	8.356	8.556	794.130	705.000	12.6
2,4-DB	10.205	10.113	10.313	858.800	712.500	20.5
2,4-DCAA	7.320	7.225	7.425	791.830	750.000	5.6
Dalapon	2.689	2.590	2.790	655.260	682.500	-4.0
DICAMBA	7.510	7.414	7.614	754.390	705.000	7.0
DICHLORPROP	8.220	8.124	8.324	747.710	705.000	6.1
Dinoseb	11.419	11.327	11.527	752.120	705.000	6.7

Raw Data: **PS031219.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

Lab Sample No.: HSTDCCC750 **Data File :** PS031219.D **Time Analyzed:** 02:05

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	763.350	712.500	7.1
2,4,5-TP(Silvex)	9.926	9.829	10.029	759.070	712.500	6.5
2,4-D	9.021	8.924	9.124	744.810	705.000	5.6
2,4-DB	10.920	10.823	11.023	758.520	712.500	6.5
2,4-DCAA	7.764	7.666	7.866	797.360	750.000	6.3
Dalapon	2.702	2.603	2.803	679.240	682.500	-0.5
DICAMBA	7.966	7.868	8.068	767.550	705.000	8.9
DICHLORPROP	8.685	8.588	8.788	726.450	705.000	3.0
Dinoseb	11.304	11.208	11.408	736.820	705.000	4.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031219.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 02:05
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 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 03:36:08 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	3443.1E6	809.3E6	791.828	797.358
	Target Compounds						
1) T	Dalapon	2.689	2.702	4110.4E6	1926.8E6	655.262	679.239
2) T	3,5-DICHL...	6.483	6.711	4052.2E6	1129.3E6	733.722	733.394
3) T	4-Nitroph...	7.119	7.297	1369.5E6	1328.7E6	830.587	734.371
5) T	DICAMBA	7.510	7.966	12445.1E6	4953.3E6	754.390	767.546
6) T	MCPP	7.691	8.065	802.9E6	154.9E6	80.213	74.562
7) T	MCPA	7.841	8.315	991.2E6	230.0E6	79.203	72.895
8) T	DICHLORPROP	8.220	8.685	2857.7E6	1100.5E6	747.706	726.450
9) T	2,4-D	8.452	9.021	2966.0E6	1264.9E6	794.134	744.813
10) T	Pentachlo...	8.761	9.544	43374.8E6	30413.9E6	794.096	778.222
11) T	2,4,5-TP ...	9.336	9.926	17112.1E6	11305.7E6	779.467	759.070
12) T	2,4,5-T	9.630	10.352	16287.2E6	10854.5E6	834.054	763.354
13) T	2,4-DB	10.205	10.920	2567.7E6	887.9E6	858.799m	758.522
14) T	DINOSEB	11.419	11.304	11710.1E6	8327.6E6	752.116m	736.819
15) T	Picloram	11.229	12.413	18473.7E6	19044.1E6	923.379m	764.976
16) T	DCPA	11.717	12.348	22139.1E6	17912.1E6	771.571	777.568m

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

Sample Results: **PS031219.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031219.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 02:05
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

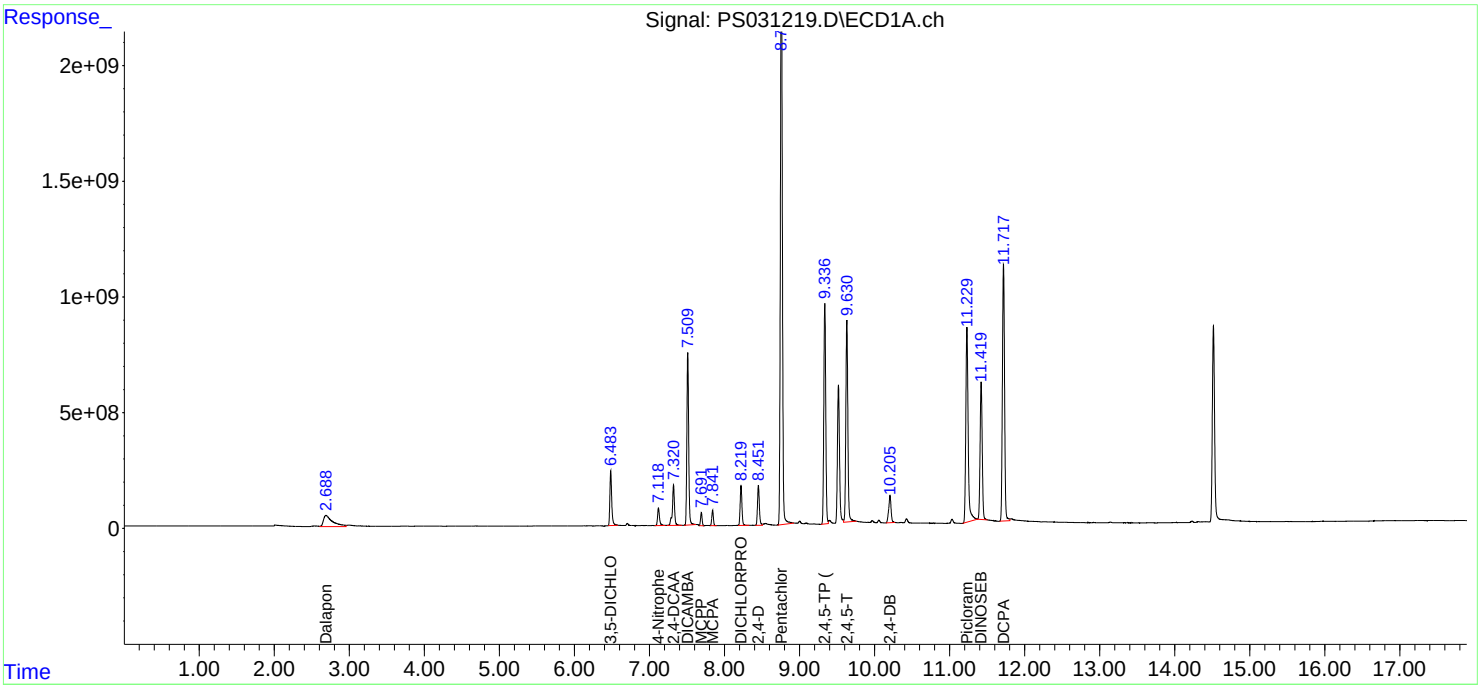
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

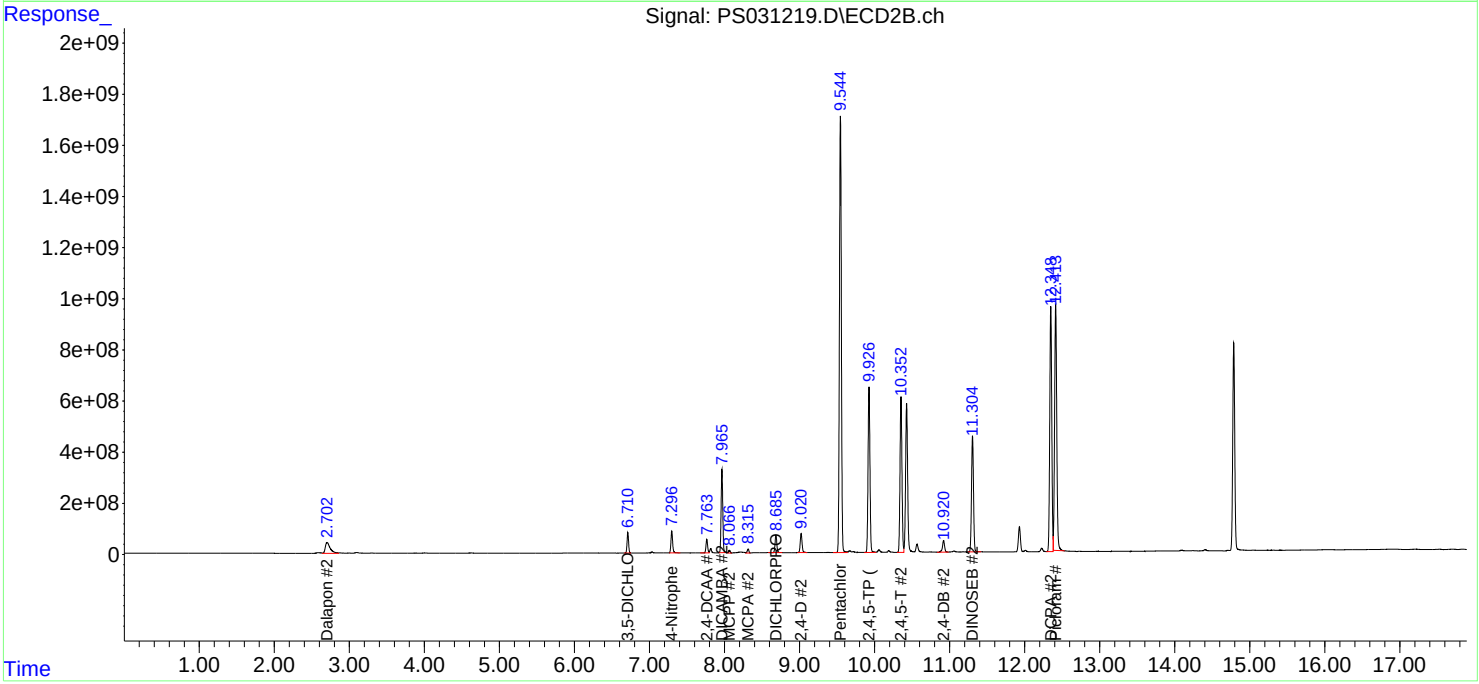
Manual Integrations APPROVED

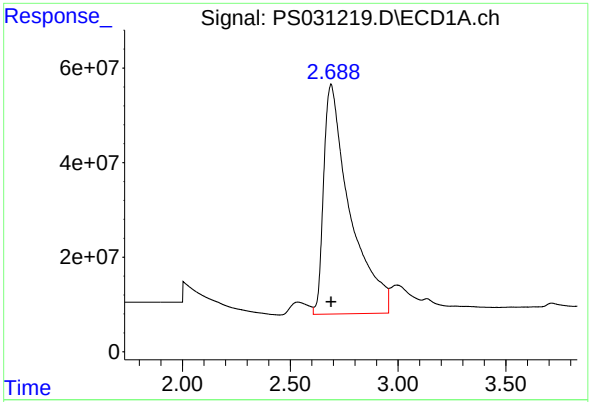
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 03:36:08 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







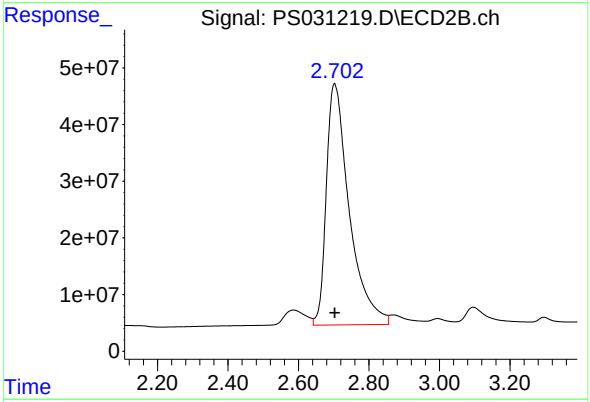
#1 Dalapon

R.T.: 2.689 min
Delta R.T.: -0.001 min
Response: 4110398449
Conc: 655.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

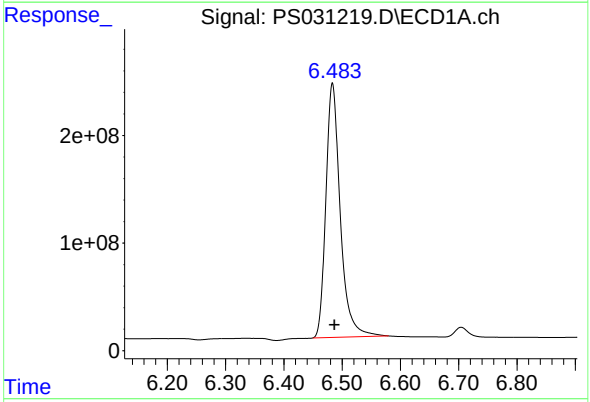
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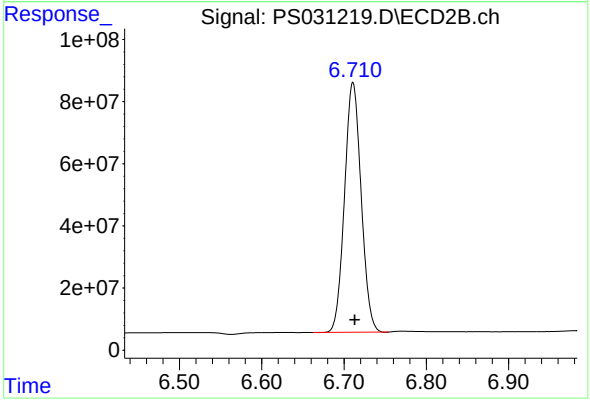
#1 Dalapon

R.T.: 2.702 min
Delta R.T.: -0.001 min
Response: 1926825145
Conc: 679.24 ng/ml



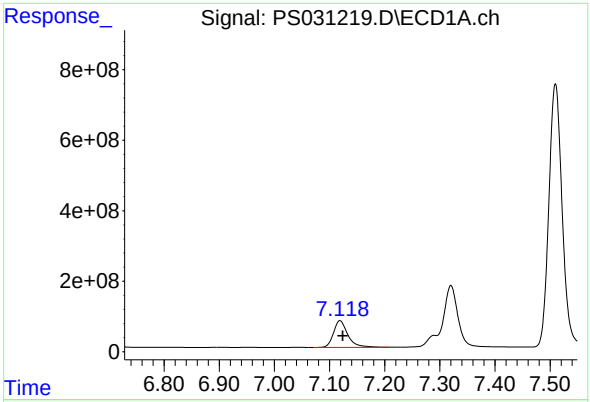
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.003 min
Response: 4052162983
Conc: 733.72 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1129349969
Conc: 733.39 ng/ml



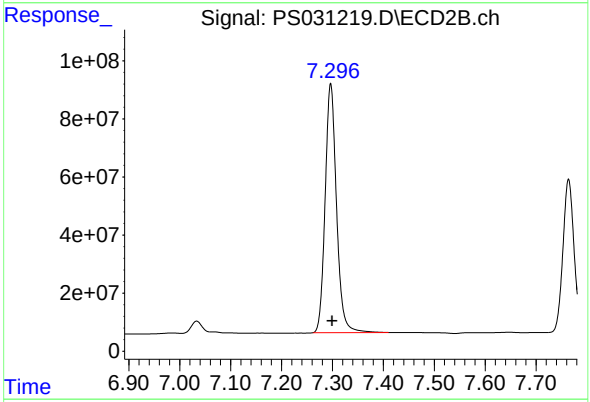
#3 4-Nitrophenol

R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 1369459758
Conc: 830.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

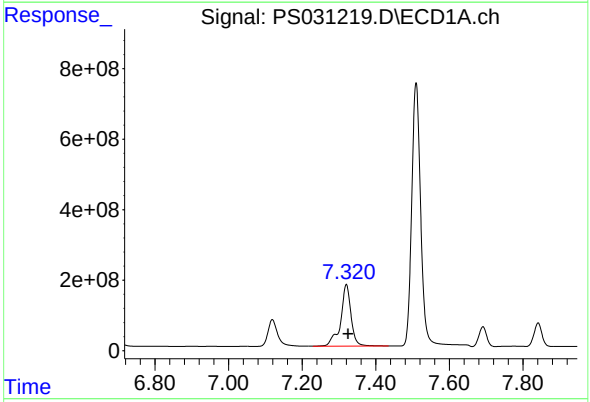
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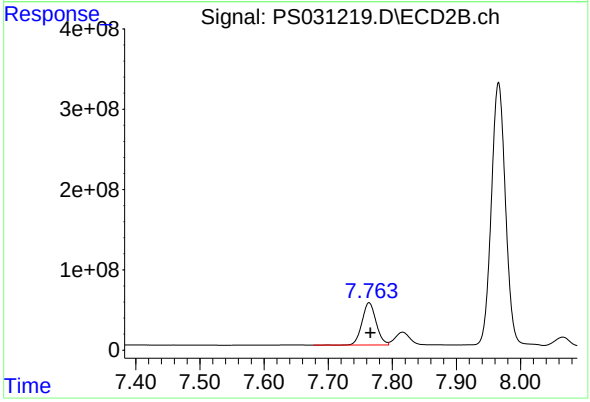
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 1328710053
Conc: 734.37 ng/ml



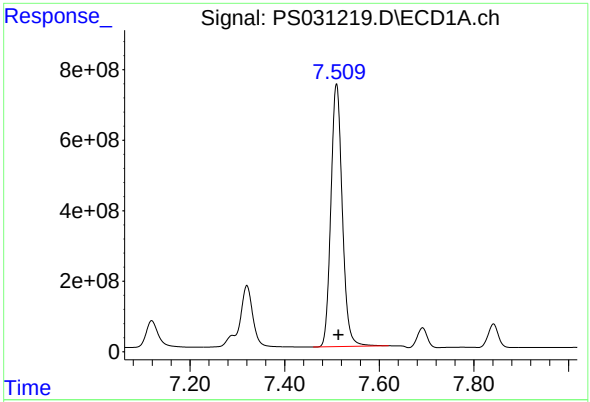
#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.004 min
Response: 3443070210
Conc: 791.83 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 809293171
Conc: 797.36 ng/ml



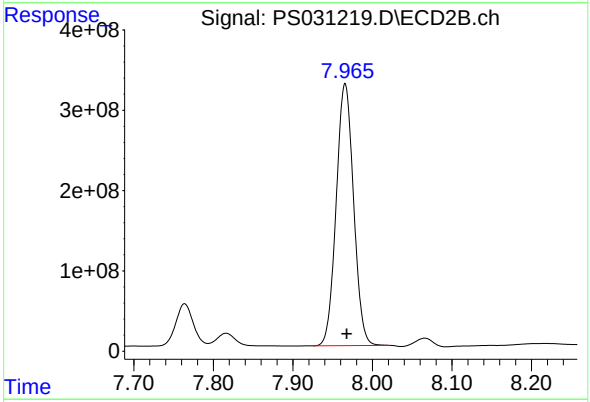
#5 DICAMBA

R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 12445137550
Conc: 754.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

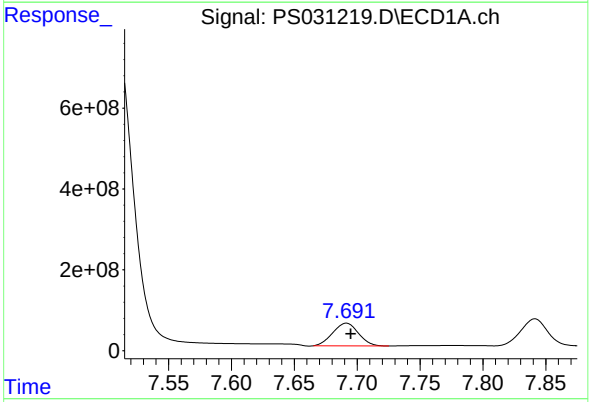
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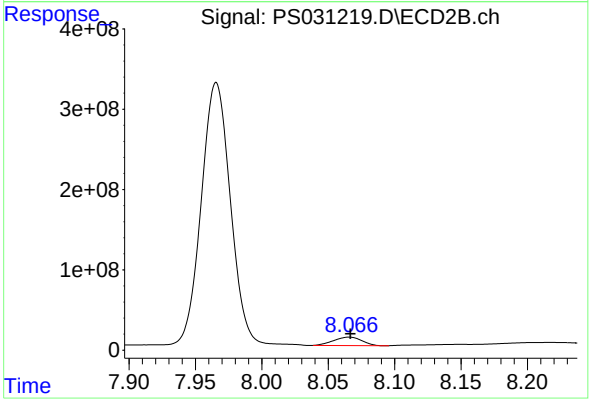
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4953258868
Conc: 767.55 ng/ml



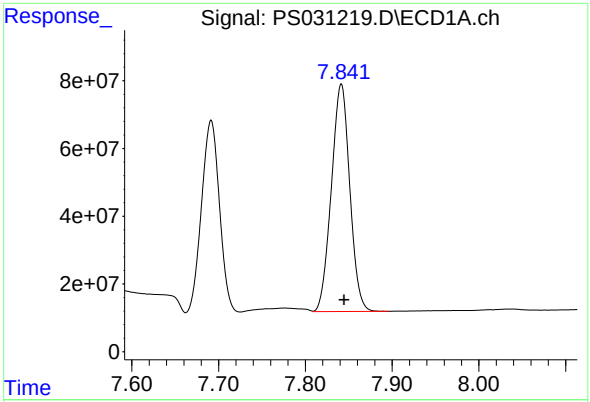
#6 MCPP

R.T.: 7.691 min
Delta R.T.: -0.003 min
Response: 802936330
Conc: 80.21 ug/ml



#6 MCPP

R.T.: 8.065 min
Delta R.T.: -0.001 min
Response: 154924846
Conc: 74.56 ug/ml



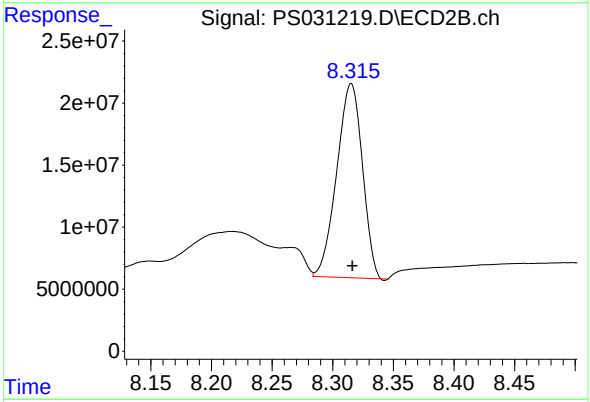
#7 MCPA

R.T.: 7.841 min
Delta R.T.: -0.003 min
Response: 991163562
Conc: 79.20 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

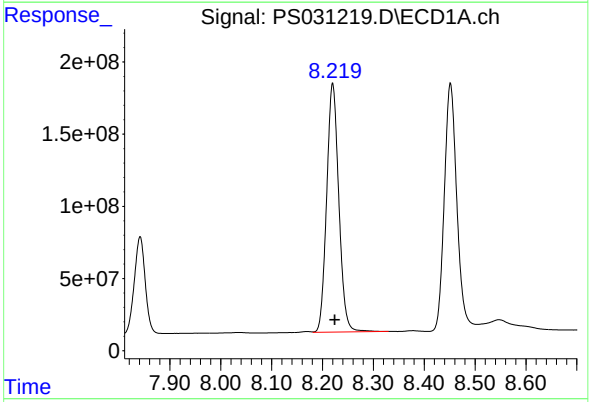
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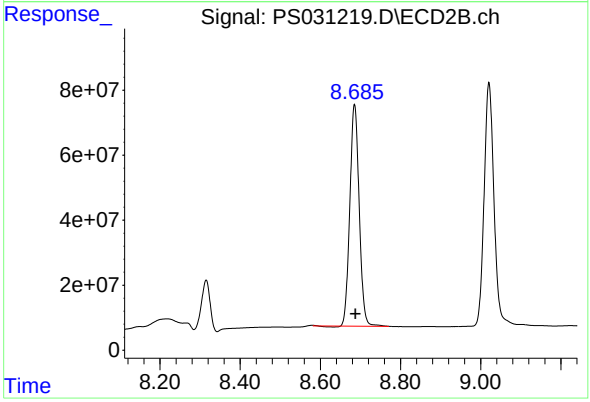
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.001 min
Response: 229998475
Conc: 72.89 ug/ml



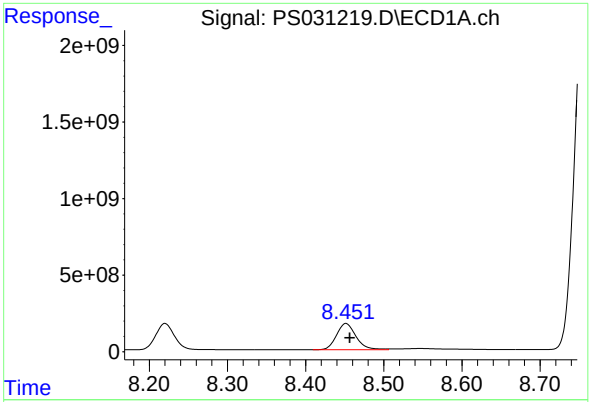
#8 DICHLORPROP

R.T.: 8.220 min
Delta R.T.: -0.005 min
Response: 2857699150
Conc: 747.71 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1100469929
Conc: 726.45 ng/ml



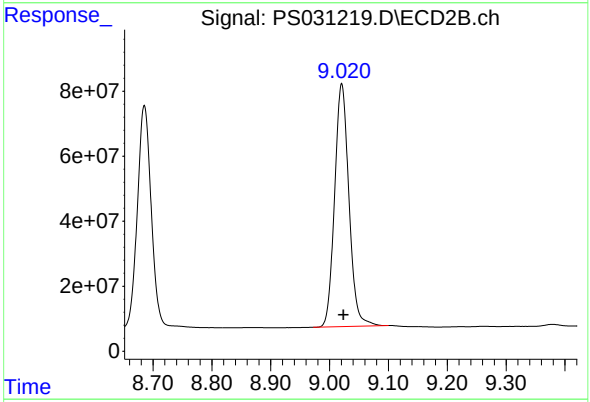
#9 2,4-D

R.T.: 8.452 min
Delta R.T.: -0.005 min
Response: 2966024632
Conc: 794.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

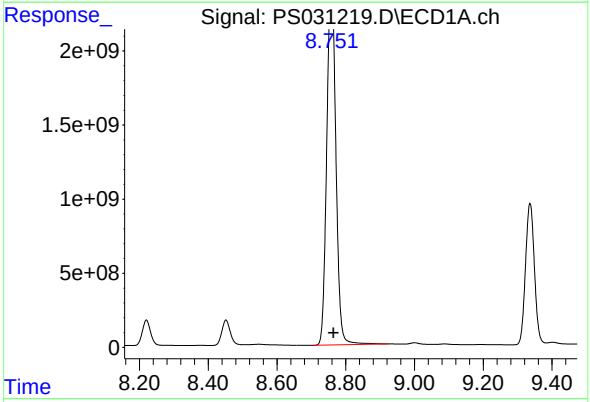
Manual Integrations
APPROVED

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



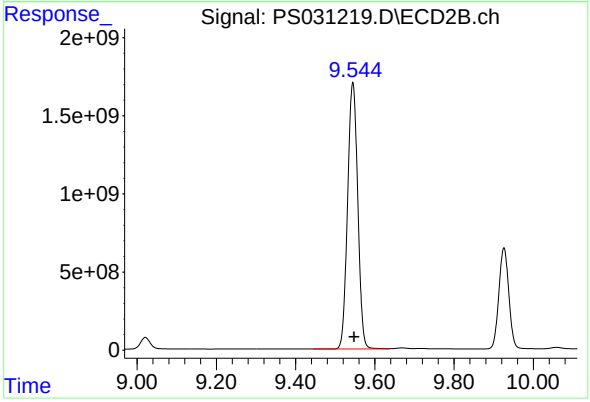
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 1264929968
Conc: 744.81 ng/ml



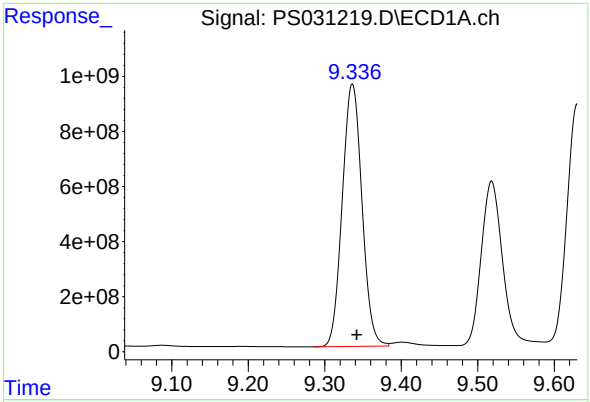
#10 Pentachlorophenol

R.T.: 8.761 min
Delta R.T.: -0.002 min
Response: 43374765785
Conc: 794.10 ng/ml



#10 Pentachlorophenol

R.T.: 9.544 min
Delta R.T.: -0.003 min
Response: 30413850971
Conc: 778.22 ng/ml



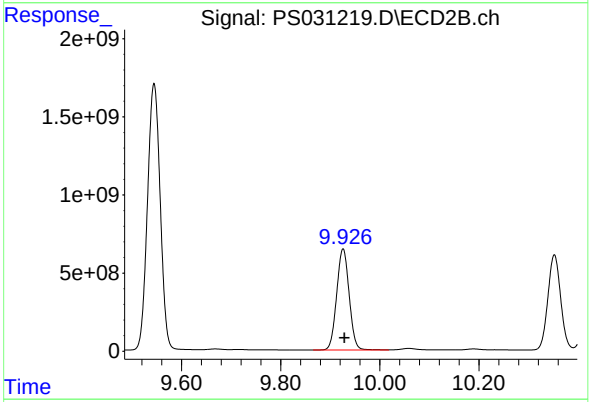
#11 2,4,5-TP (SILVEX)

R.T.: 9.336 min
Delta R.T.: -0.006 min
Response: 17112083950
Conc: 779.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

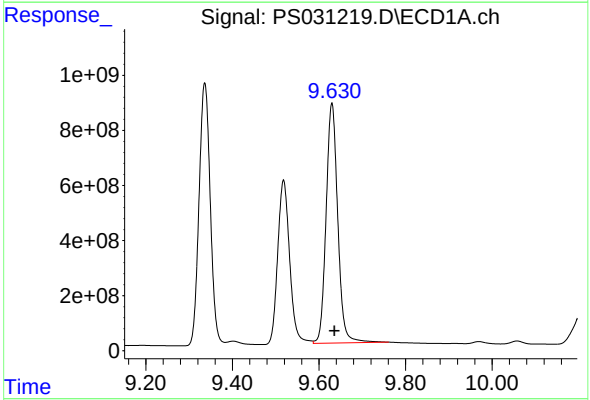
Manual Integrations
APPROVED

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



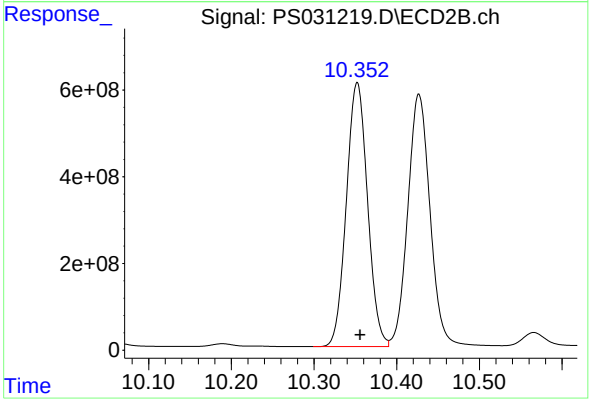
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 11305725990
Conc: 759.07 ng/ml



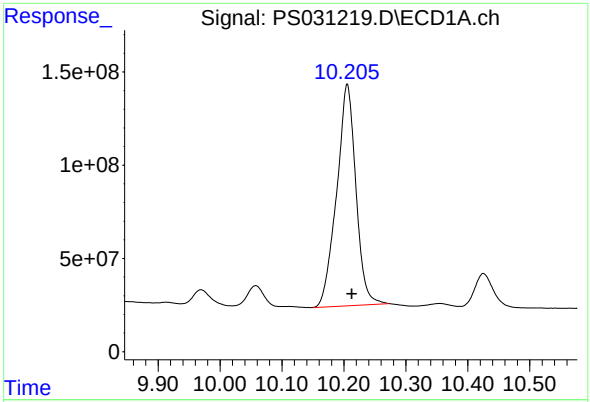
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 16287230964
Conc: 834.05 ng/ml



#12 2,4,5-T

R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 10854477763
Conc: 763.35 ng/ml



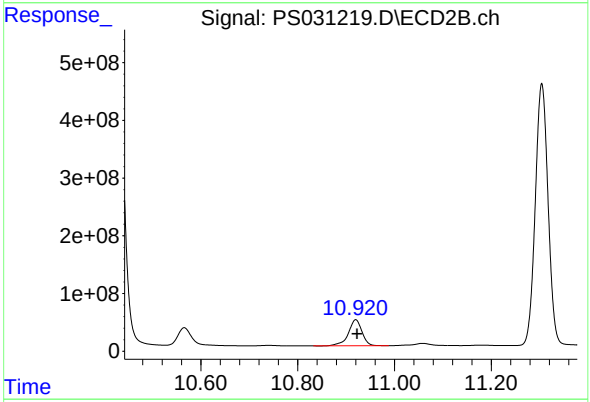
#13 2,4-DB

R.T.: 10.205 min
Delta R.T.: -0.008 min
Response: 2567707767
Conc: 858.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

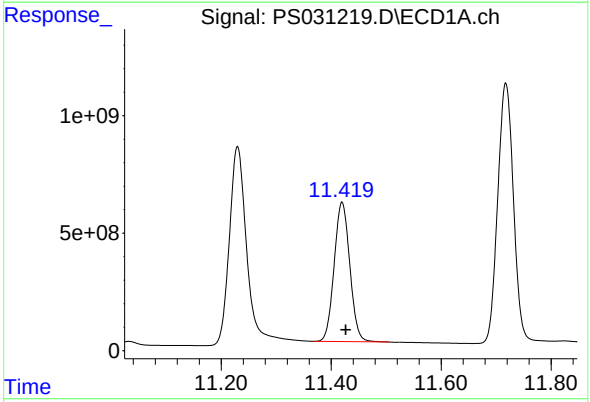
Manual Integrations APPROVED

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



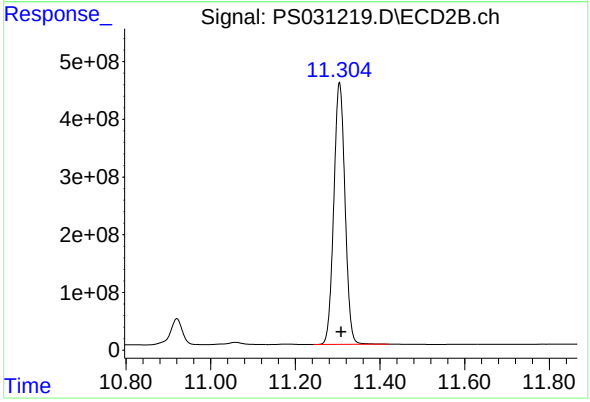
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 887858532
Conc: 758.52 ng/ml



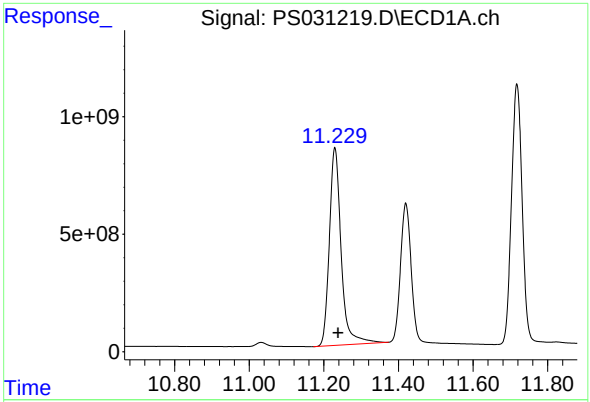
#14 DINOSEB

R.T.: 11.419 min
Delta R.T.: -0.007 min
Response: 11710062256
Conc: 752.12 ng/ml m



#14 DINOSEB

R.T.: 11.304 min
Delta R.T.: -0.004 min
Response: 8327593339
Conc: 736.82 ng/ml



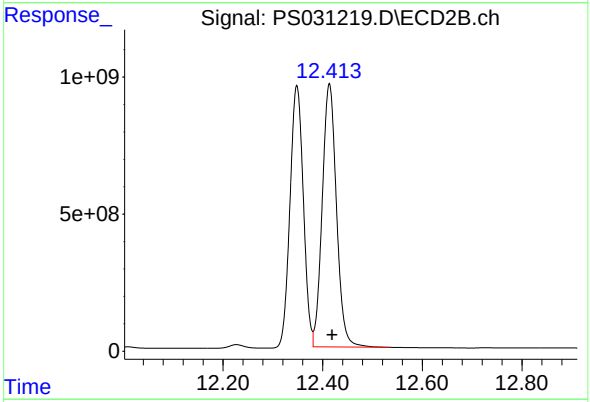
#15 Picloram

R.T.: 11.229 min
Delta R.T.: -0.009 min
Response: 18473651422
Conc: 923.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

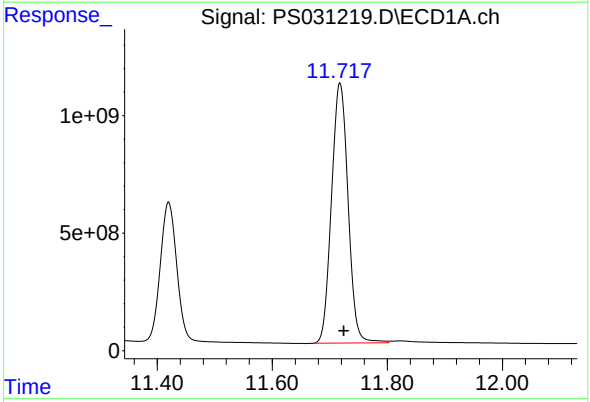
Manual Integrations APPROVED

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



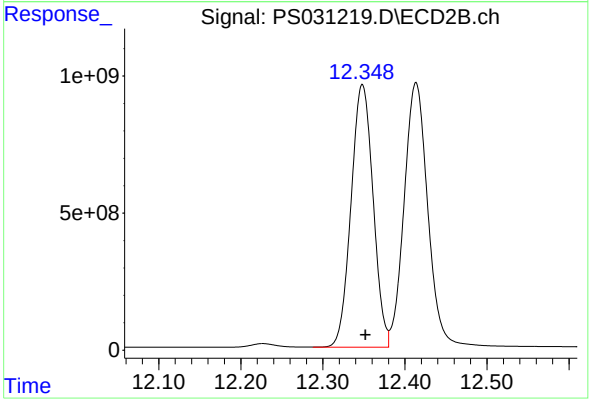
#15 Picloram

R.T.: 12.413 min
Delta R.T.: -0.005 min
Response: 19044093948
Conc: 764.98 ng/ml



#16 DCPA

R.T.: 11.717 min
Delta R.T.: -0.007 min
Response: 22139067750
Conc: 771.57 ng/ml



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.004 min
Response: 17912095671
Conc: 777.57 ng/ml m

Raw Data: **PS031222.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

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

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

Raw Data: **PS031222.D**

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.:** Q2639

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

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

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

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

Raw Data: **PS031222.D**

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.:** Q2639

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

Client Sample No.: CCAL05 **Date Analyzed:** 07/24/2025

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

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

Raw Data: **PS031222.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

Client Sample No.: CCAL05 **Date Analyzed:** 07/24/2025

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 07/26/2025

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

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

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

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

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

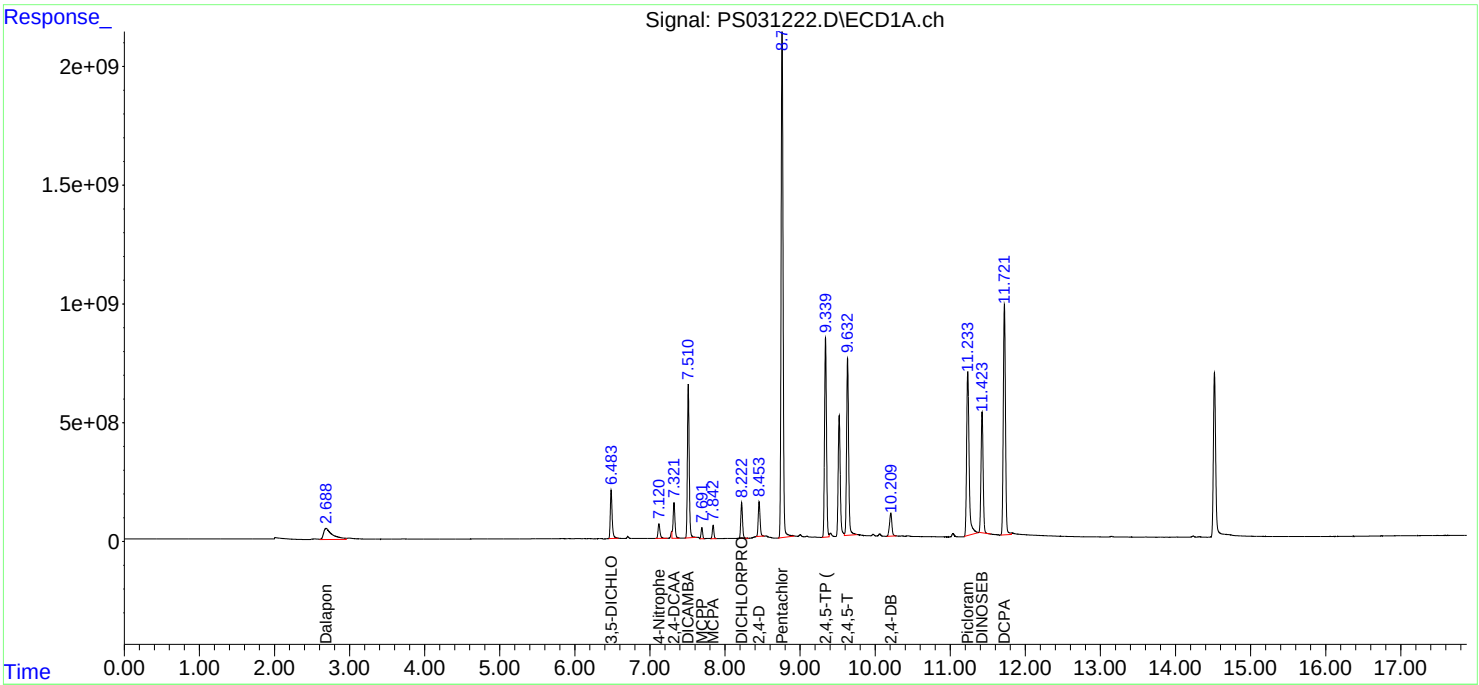
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

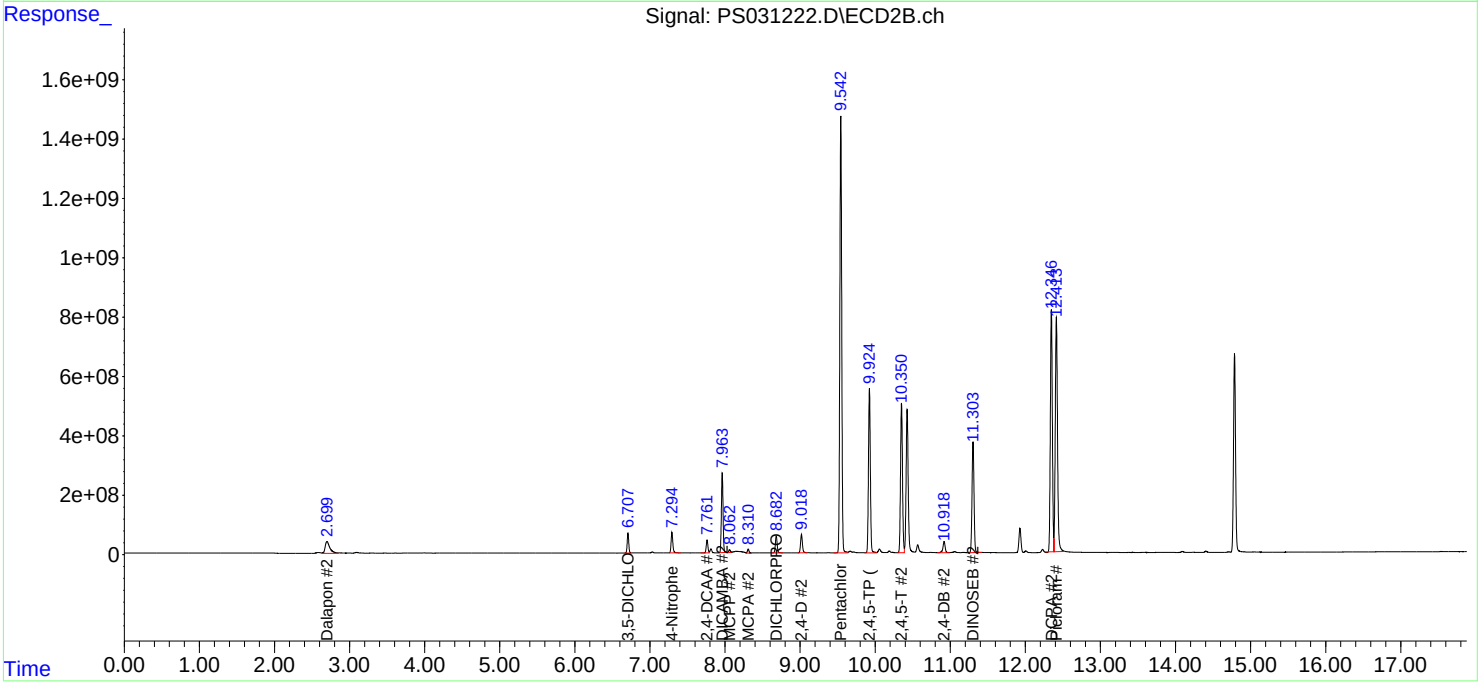
Manual Integrations APPROVED

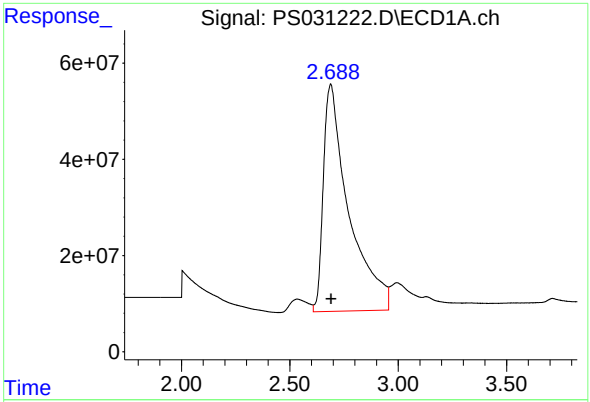
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

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

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







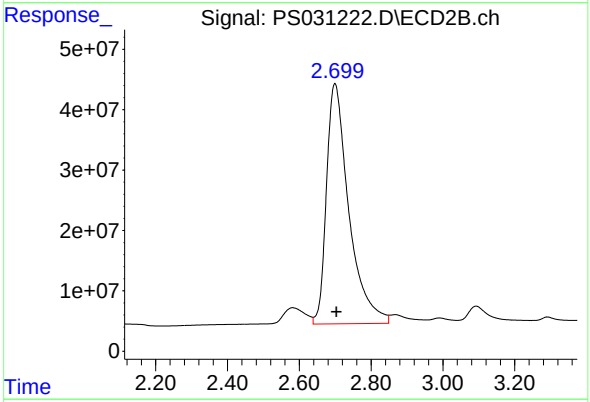
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

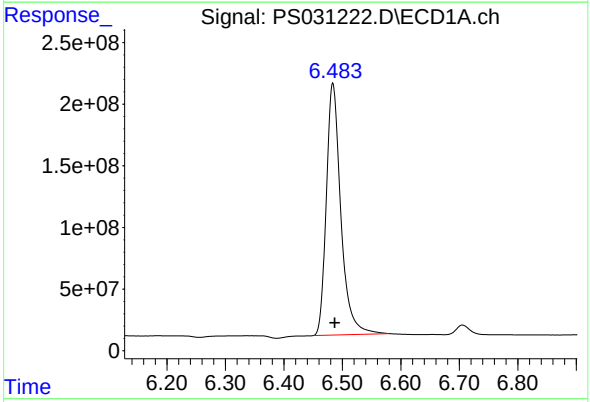
Manual Integrations
APPROVED

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



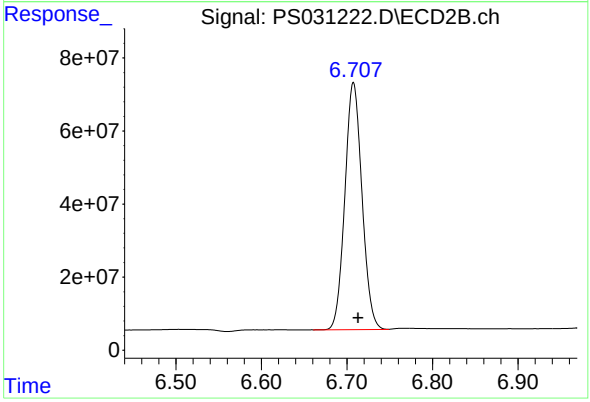
#1 Dalapon

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



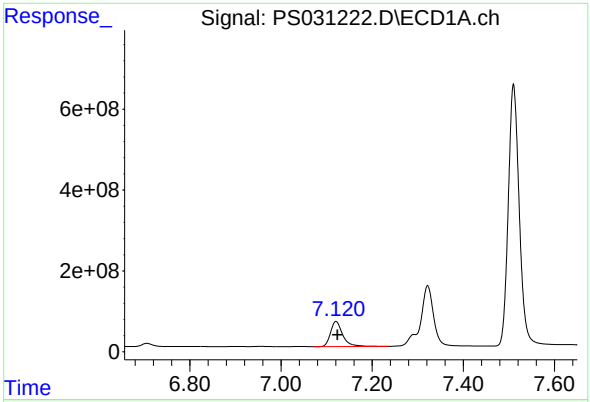
#2 3,5-DICHLOROBENZOIC ACID

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



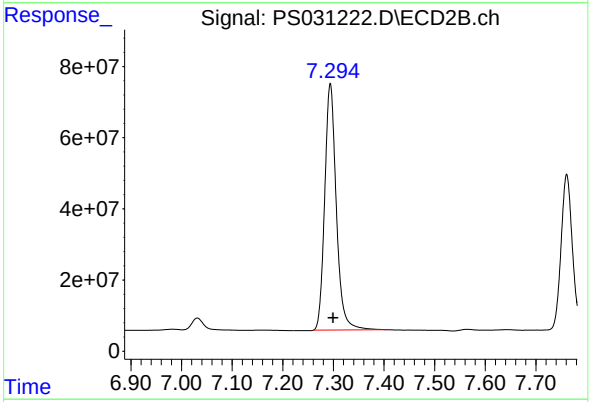
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

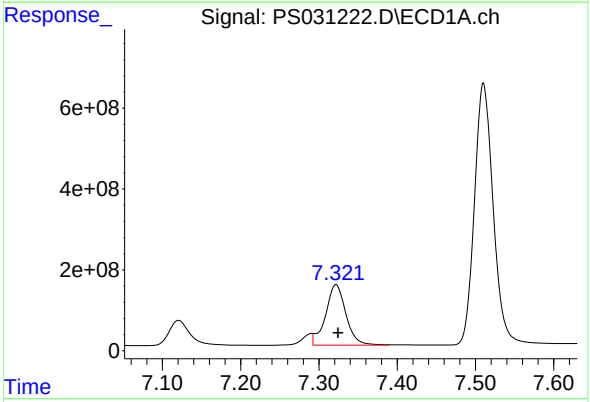
Manual Integrations
APPROVED

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



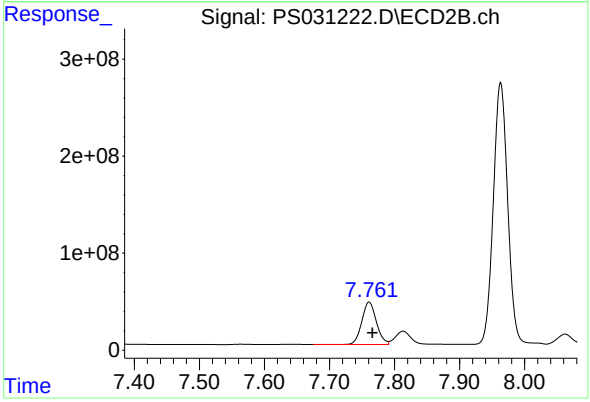
#3 4-Nitrophenol

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



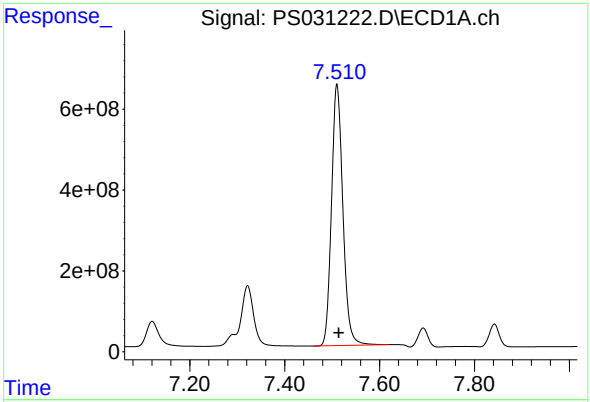
#4 2,4-DCAA

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



#4 2,4-DCAA

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



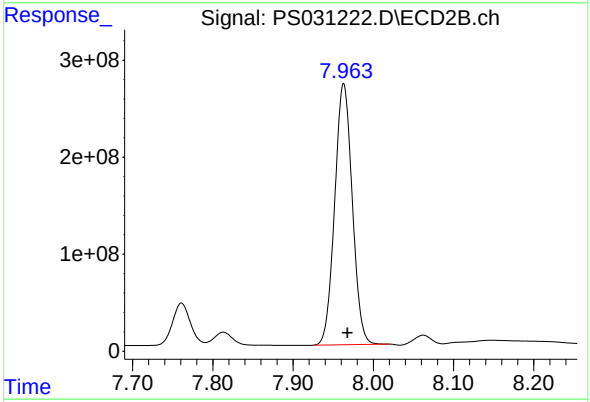
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

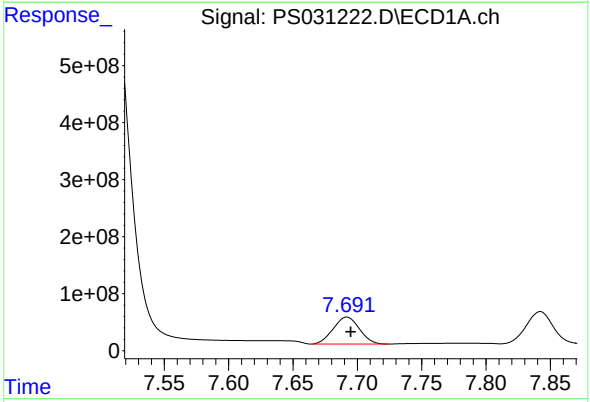
Manual Integrations
APPROVED

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



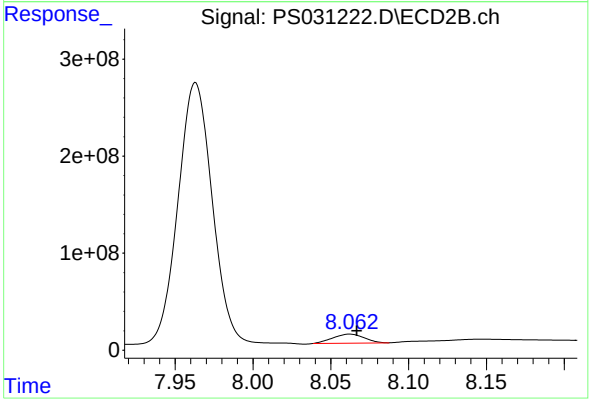
#5 DICAMBA

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



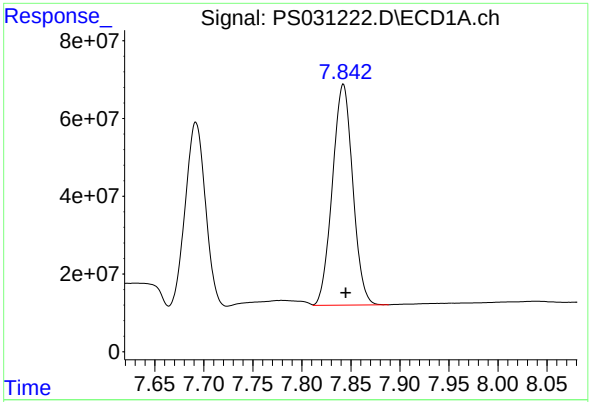
#6 MCPP

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



#6 MCPP

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



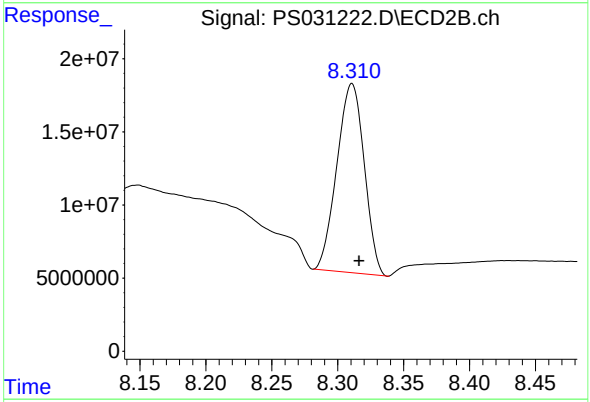
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

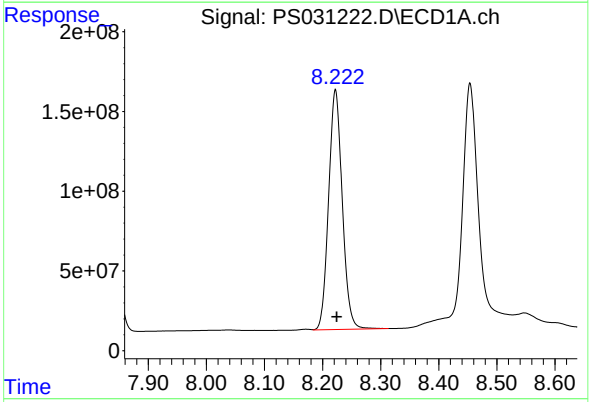
Manual Integrations
APPROVED

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



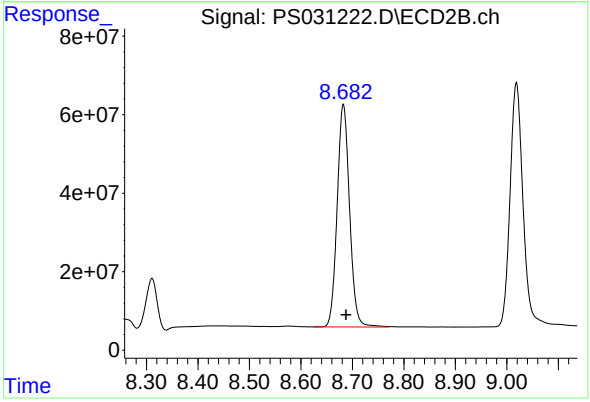
#7 MCPA

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



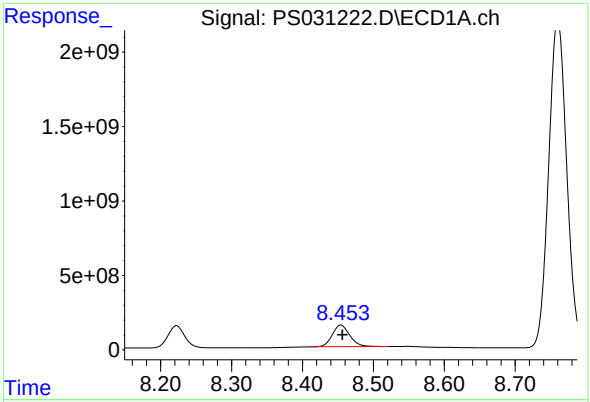
#8 DICHLORPROP

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



#8 DICHLORPROP

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



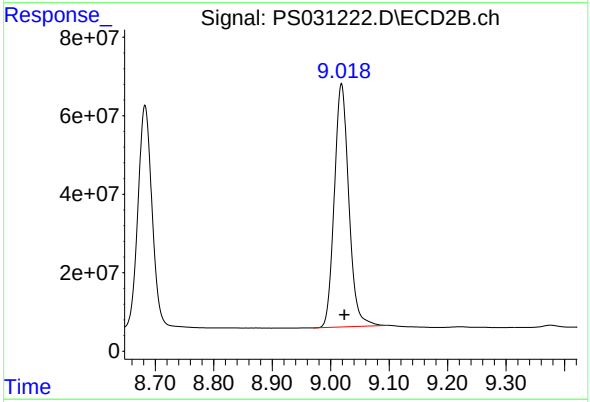
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

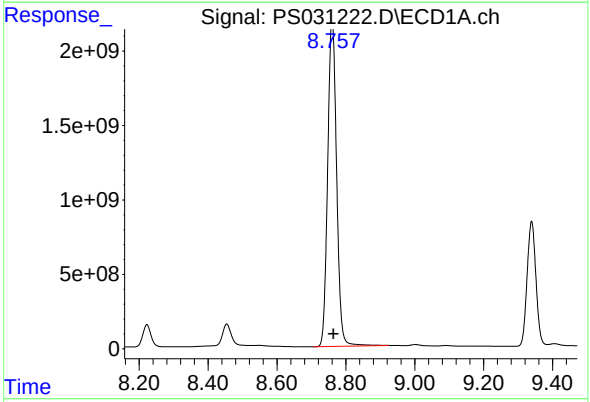
Manual Integrations
APPROVED

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



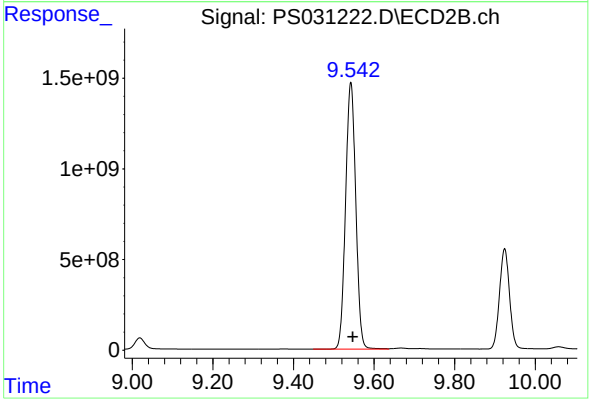
#9 2,4-D

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



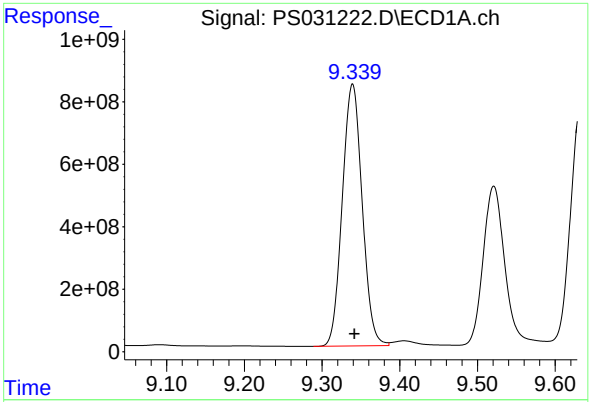
#10 Pentachlorophenol

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



#10 Pentachlorophenol

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



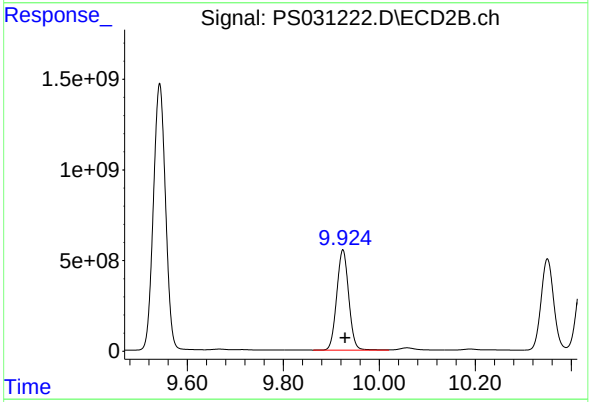
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

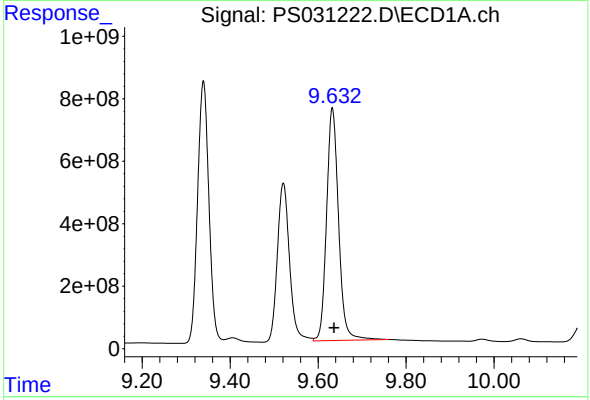
Manual Integrations
APPROVED

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



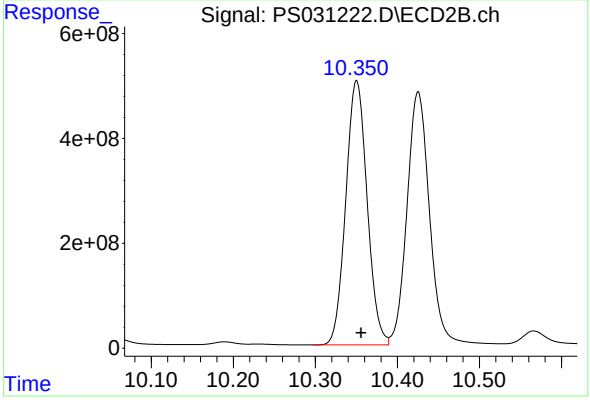
#11 2,4,5-TP (SILVEX)

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



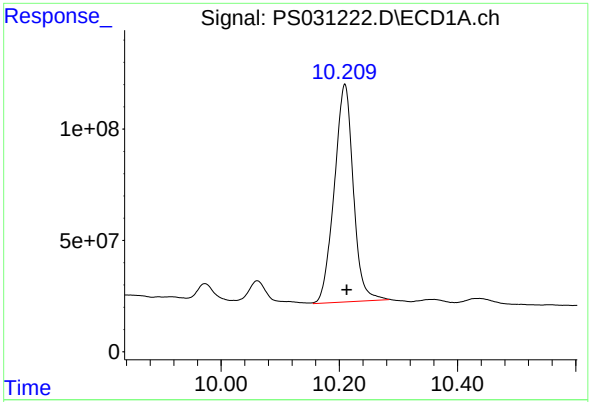
#12 2,4,5-T

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



#12 2,4,5-T

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



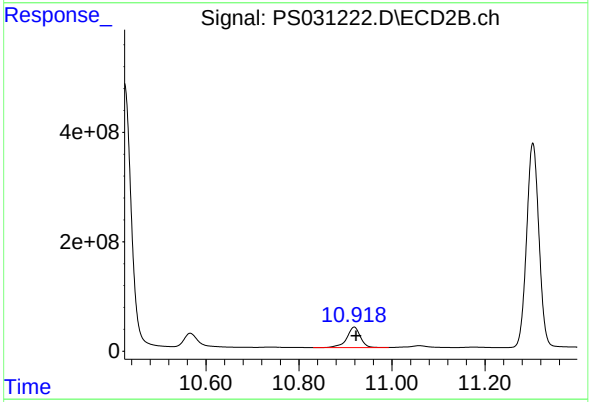
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

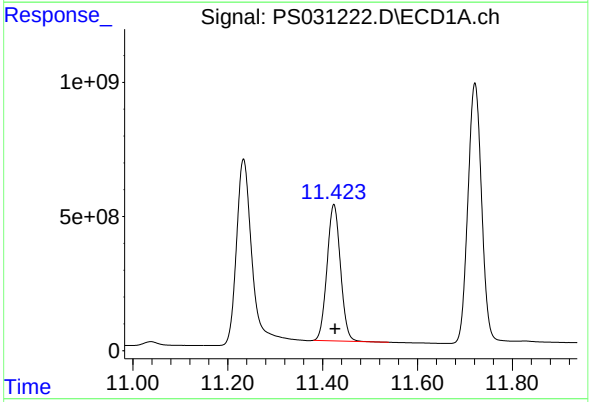
Manual Integrations
APPROVED

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



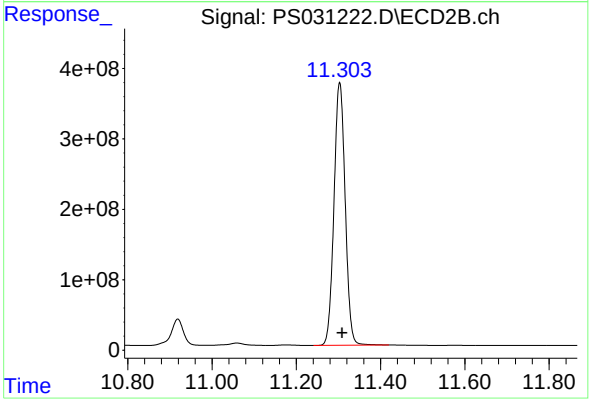
#13 2,4-DB

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



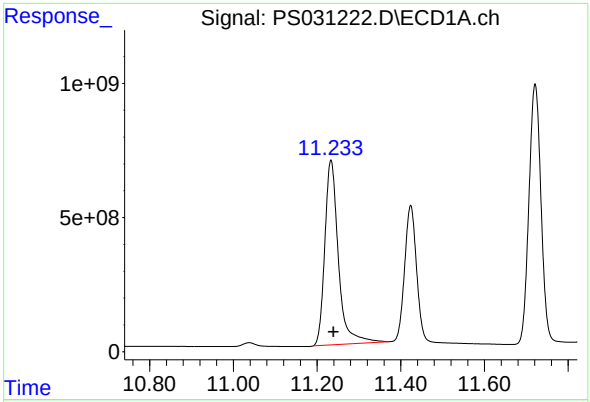
#14 DINOSEB

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



#14 DINOSEB

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



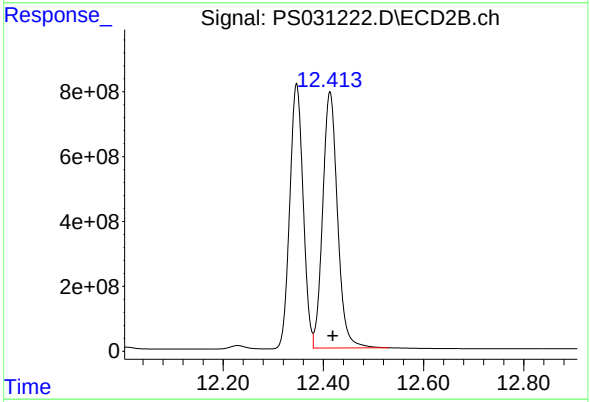
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

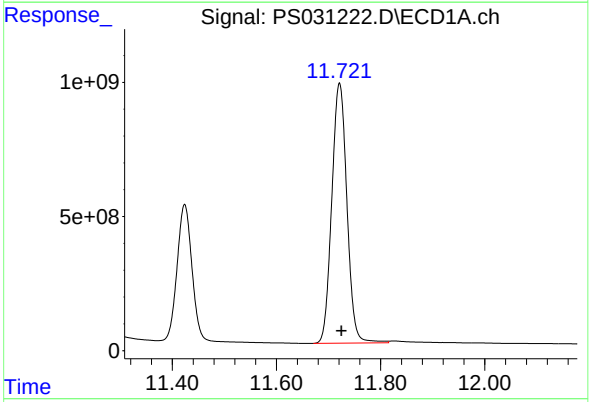
Manual Integrations
APPROVED

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



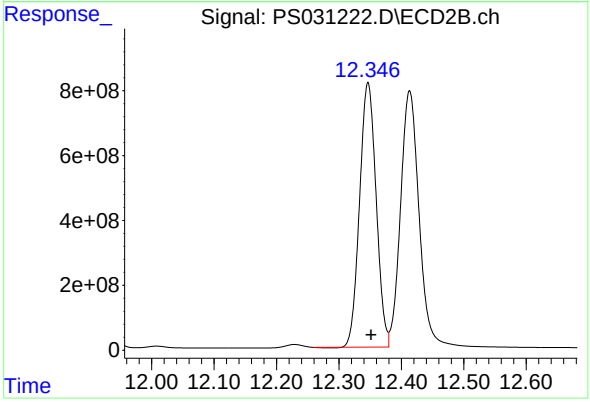
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Raw Data: **PS031233.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

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

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

Raw Data: **PS031233.D**

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.:** Q2639

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

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

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

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

Raw Data: **PS031233.D**

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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 :** 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.:** Q2639

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 :** 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

Sample Results: **PS031233.D**

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

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

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

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

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

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

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

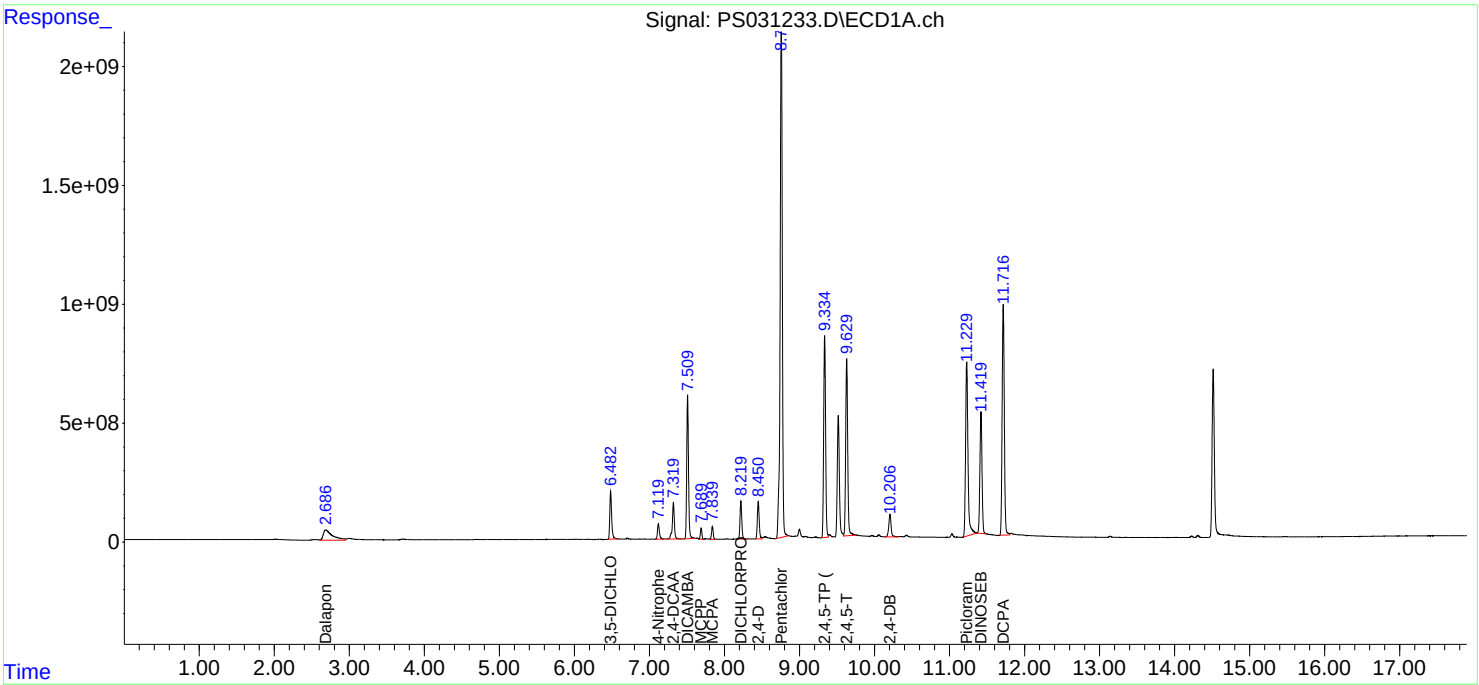
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

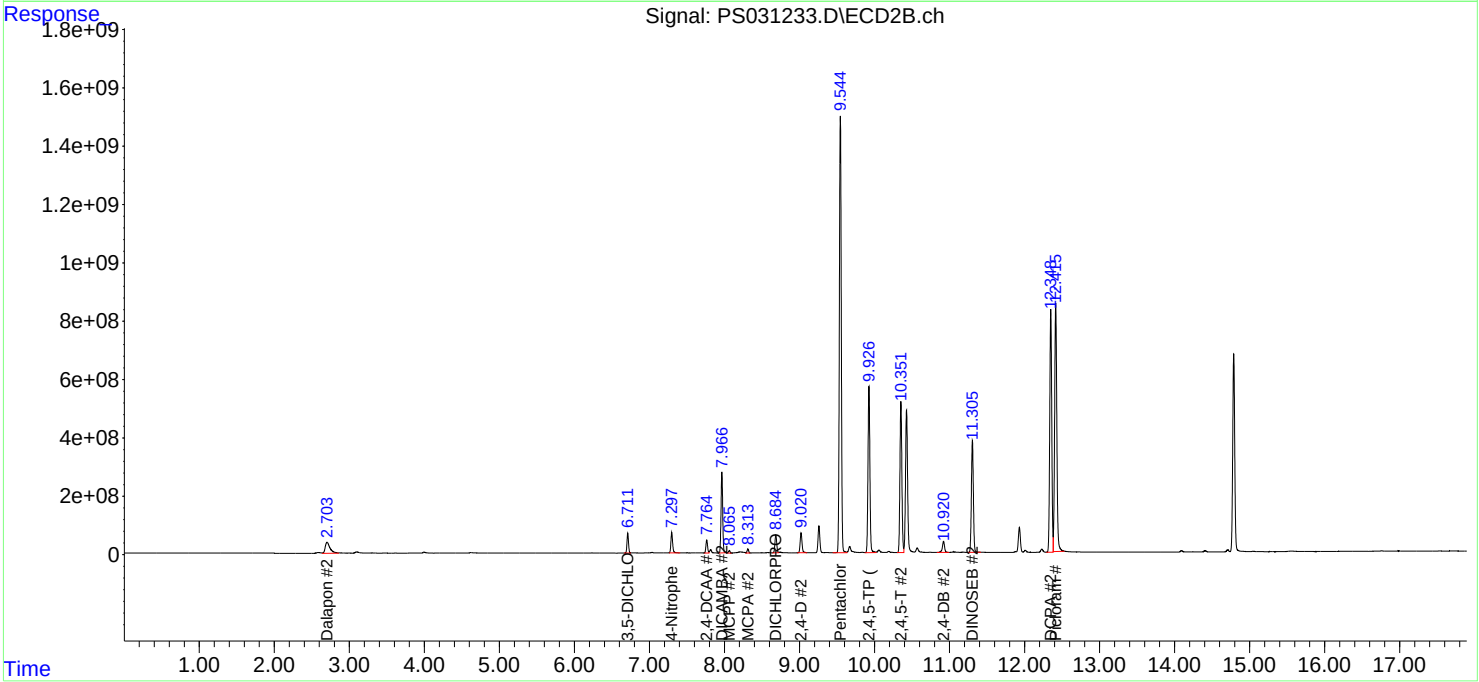
Manual Integrations APPROVED

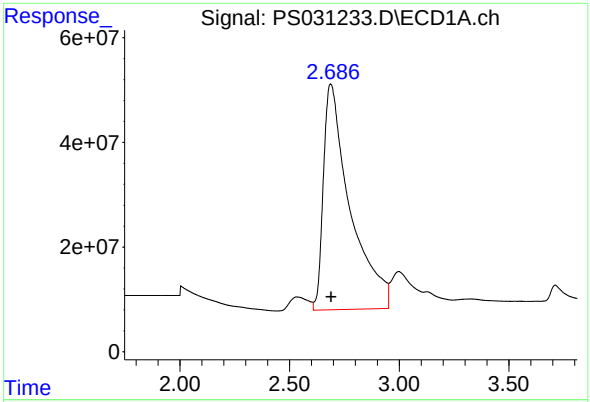
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

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

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







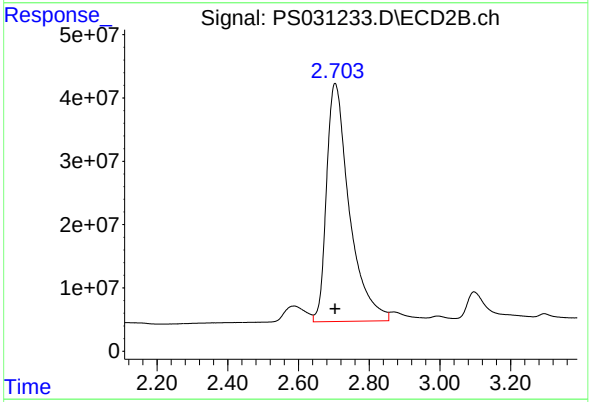
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

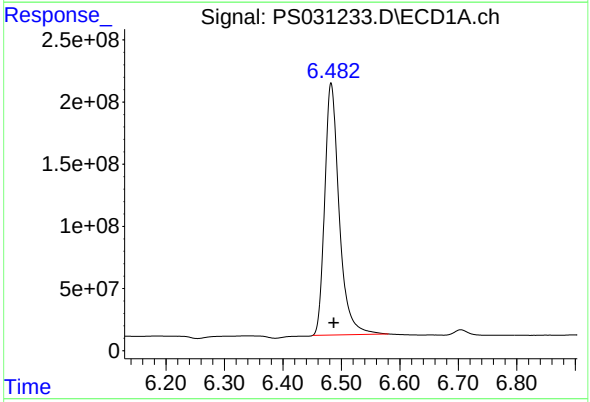
Manual Integrations
APPROVED

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



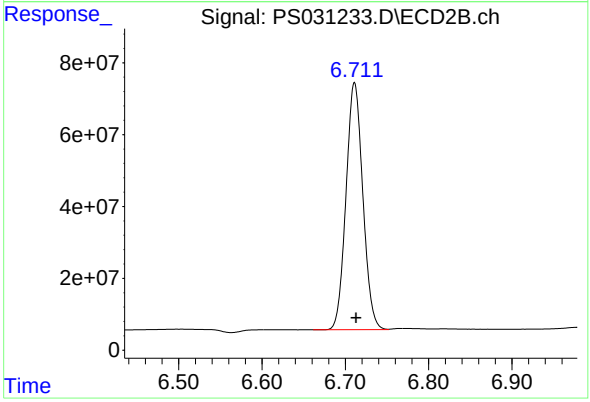
#1 Dalapon

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



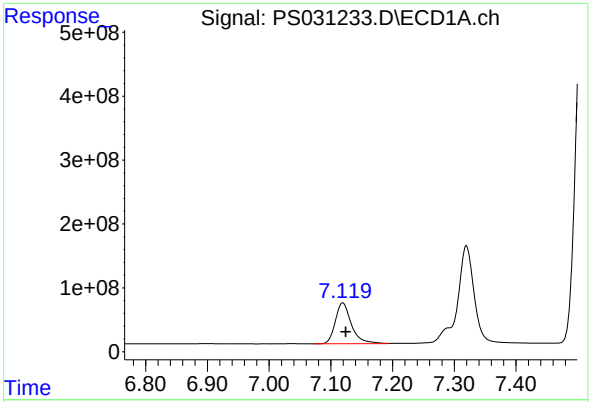
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

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



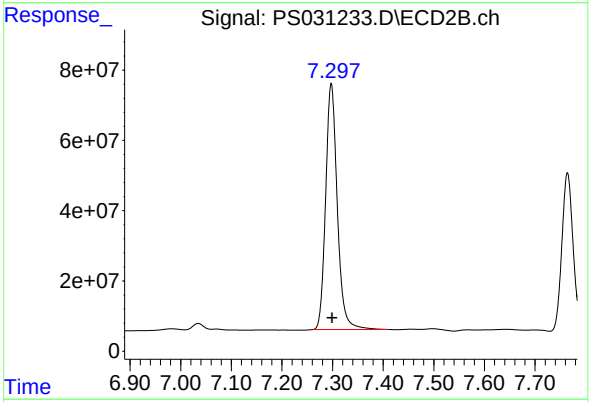
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

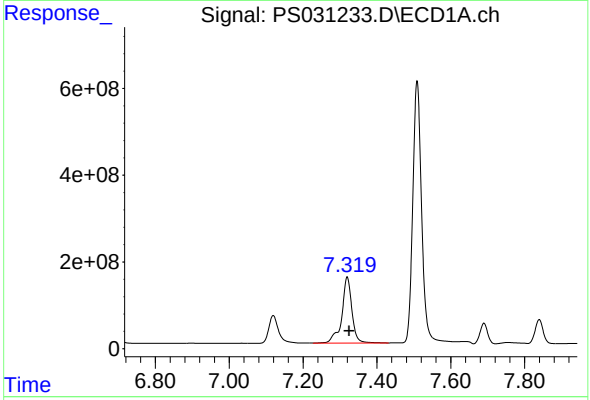
Manual Integrations
APPROVED

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



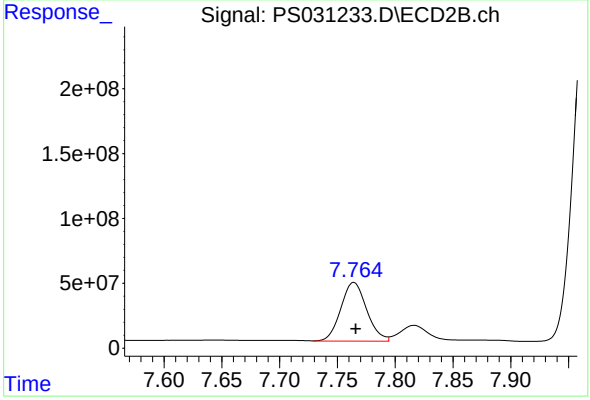
#3 4-Nitrophenol

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



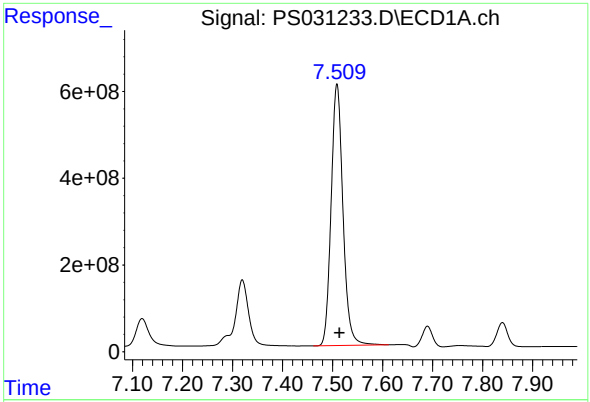
#4 2,4-DCAA

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



#4 2,4-DCAA

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



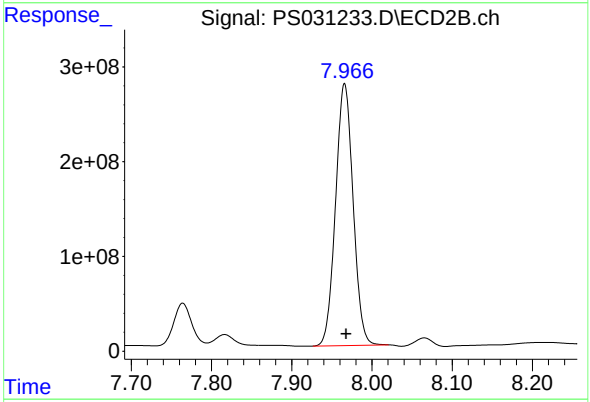
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

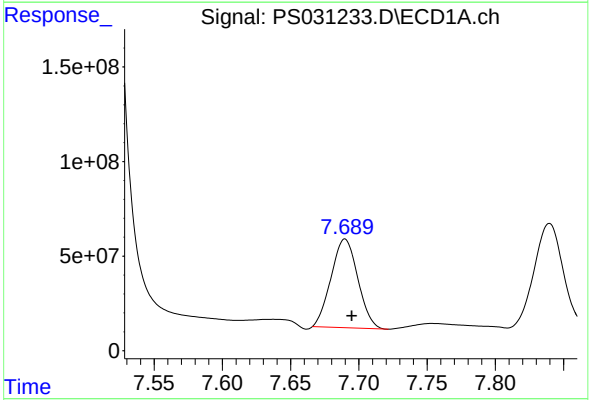
Manual Integrations
APPROVED

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



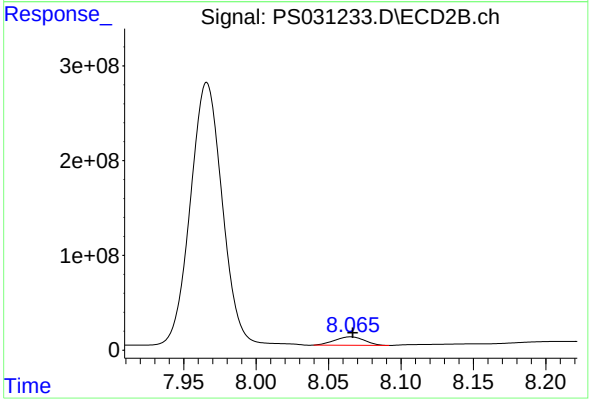
#5 DICAMBA

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



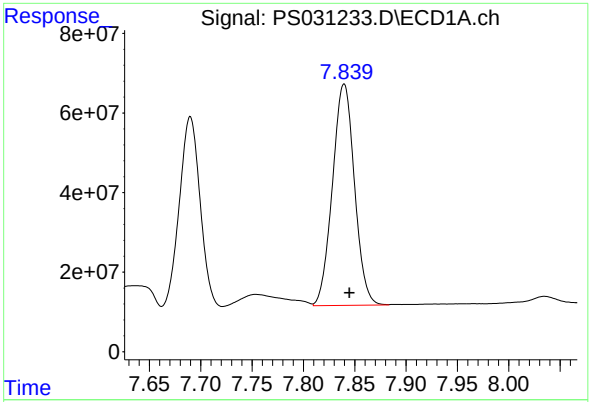
#6 MCPP

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



#6 MCPP

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



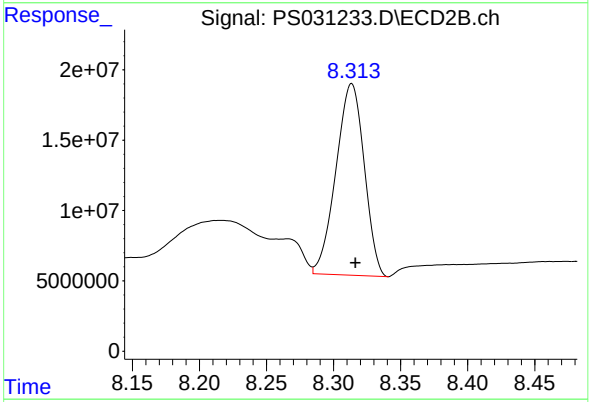
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

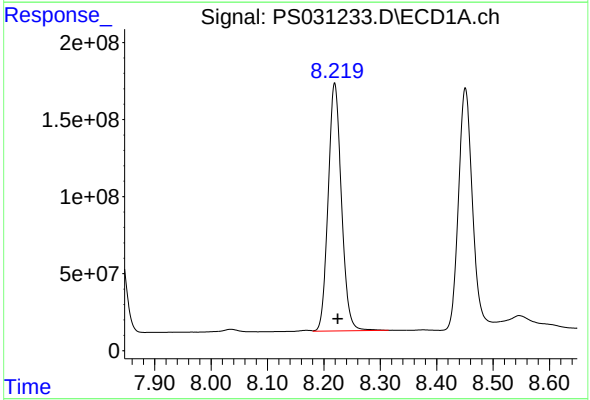
Manual Integrations
APPROVED

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



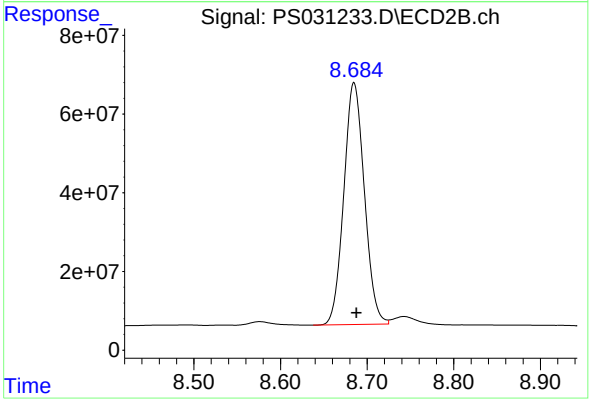
#7 MCPA

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



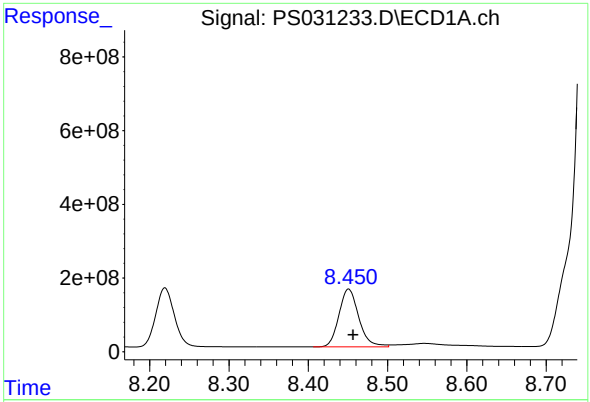
#8 DICHLORPROP

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



#8 DICHLORPROP

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



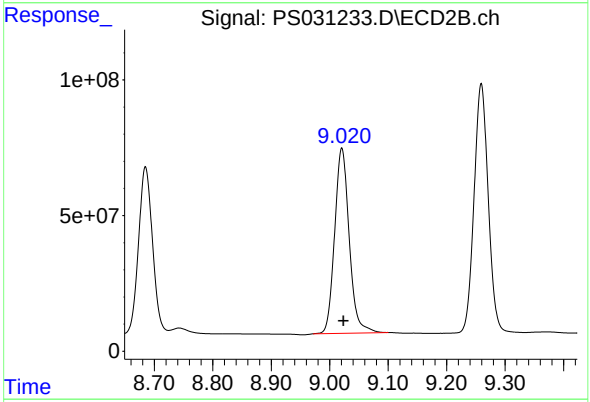
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

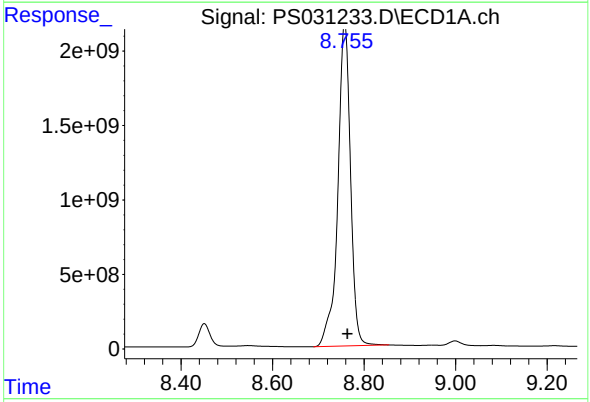
Manual Integrations
APPROVED

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



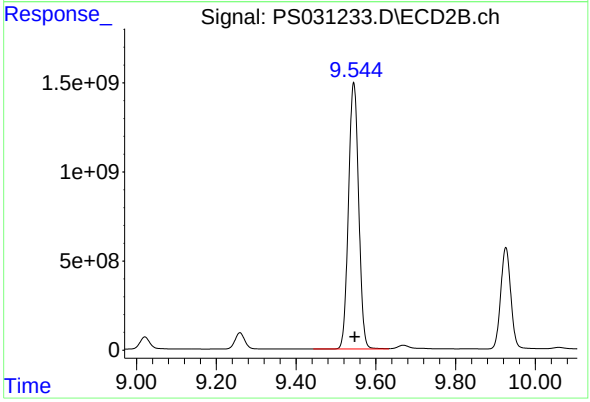
#9 2,4-D

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



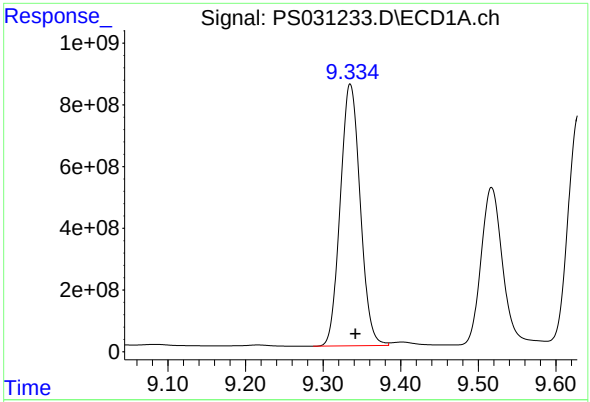
#10 Pentachlorophenol

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



#10 Pentachlorophenol

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



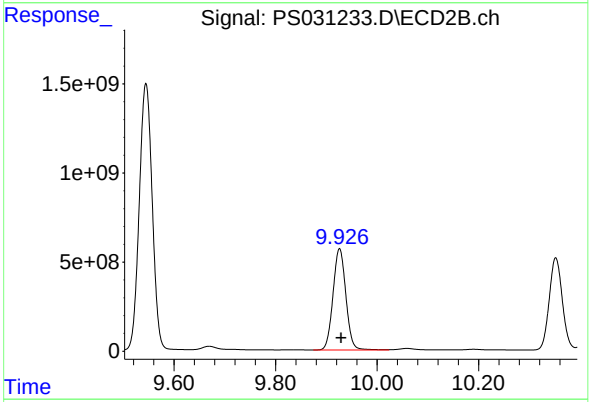
#11 2,4,5-TP (SILVEX)

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

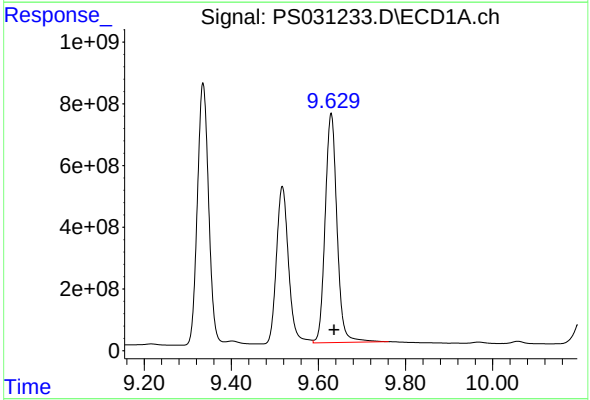
Manual Integrations
APPROVED

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



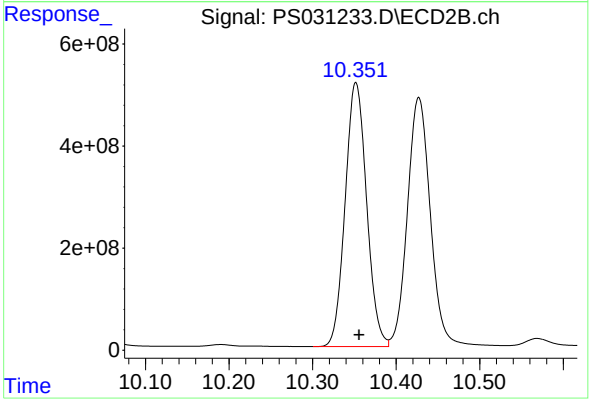
#11 2,4,5-TP (SILVEX)

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



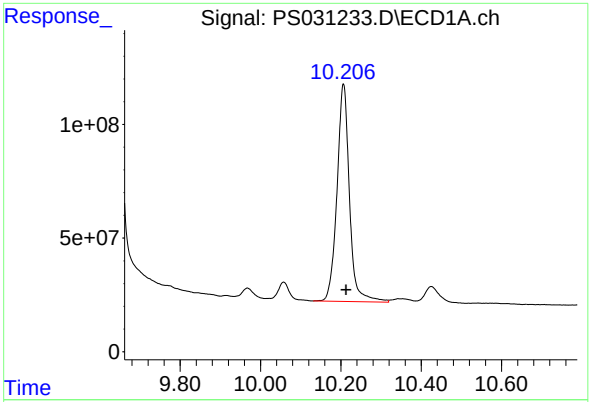
#12 2,4,5-T

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



#12 2,4,5-T

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



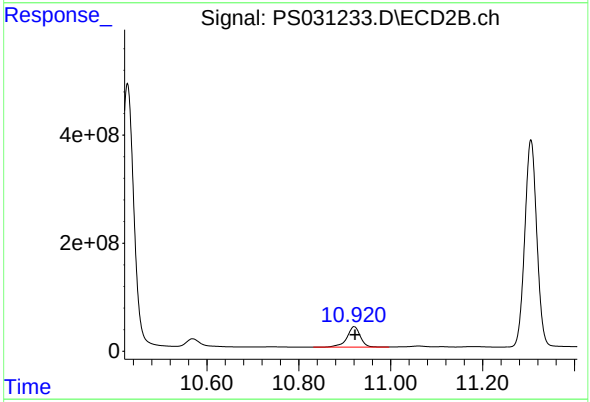
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

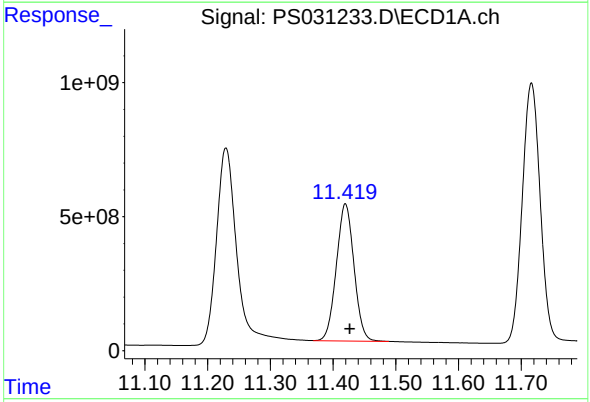
Manual Integrations
APPROVED

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



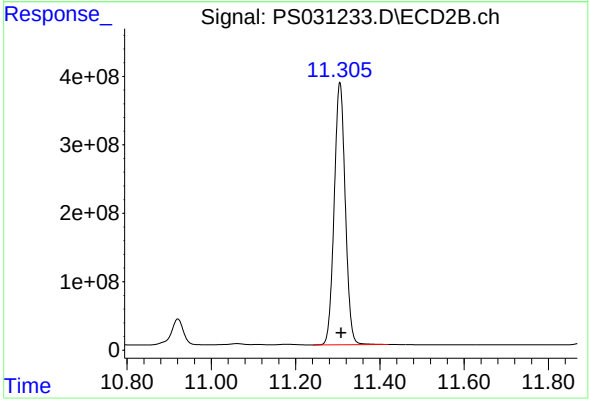
#13 2,4-DB

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



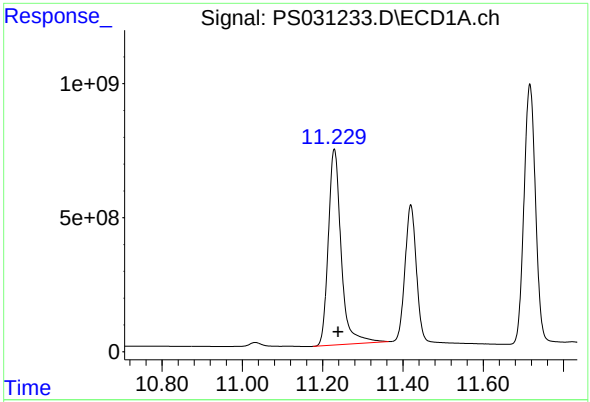
#14 DINOSEB

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



#14 DINOSEB

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



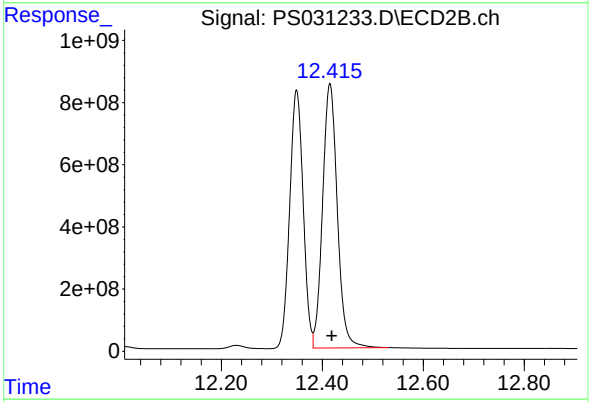
#15 Picloram

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

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

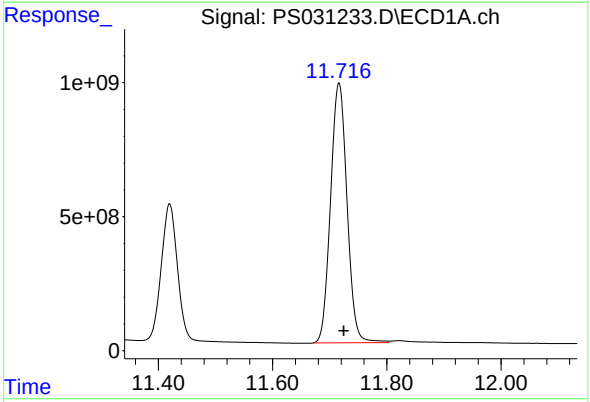
Manual Integrations APPROVED

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



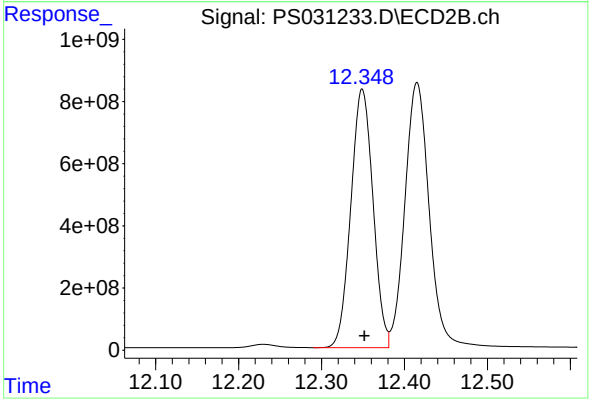
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

Raw Data: **PS031321.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Continuing Calib Date: 07/30/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 16:26 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.50	7.50	7.40	7.60	0.00
2,4-DCAA	7.31	7.32	7.22	7.42	0.01
Dalapon	2.69	2.69	2.59	2.79	0.00
DICHLORPROP	8.21	8.21	8.11	8.31	0.00
2,4-D	8.44	8.45	8.35	8.55	0.01
2,4,5-TP(Silvex)	9.32	9.33	9.23	9.43	0.01
2,4,5-T	9.61	9.62	9.52	9.72	0.01
2,4-DB	10.19	10.20	10.10	10.30	0.01
Dinoseb	11.40	11.41	11.31	11.51	0.01

Raw Data: **PS031321.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Continuing Calib Date: 07/30/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 16:26 **Initial Calibration Time(s):** 16:30 18:07

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	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00
2,4,5-T	10.35	10.35	10.25	10.45	0.00
2,4-DB	10.92	10.92	10.82	11.02	0.00
Dinoseb	11.30	11.30	11.20	11.40	0.00

Raw Data: **PS031321.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL07 **Date Analyzed:** 07/30/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031321.D **Time Analyzed:** 16:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.614	9.521	9.721	759.040	712.500	6.5
2,4,5-TP(Silvex)	9.318	9.227	9.427	748.330	712.500	5.0
2,4-D	8.439	8.346	8.546	728.020	705.000	3.3
2,4-DB	10.190	10.099	10.299	741.870	712.500	4.1
2,4-DCAA	7.309	7.215	7.415	782.490	750.000	4.3
Dalapon	2.686	2.591	2.791	698.090	682.500	2.3
DICAMBA	7.496	7.403	7.603	727.870	705.000	3.2
DICHLORPROP	8.206	8.113	8.313	709.120	705.000	0.6
Dinoseb	11.396	11.307	11.507	751.260	705.000	6.6

Raw Data: **PS031321.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL07 **Date Analyzed:** 07/30/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031321.D **Time Analyzed:** 16:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.347	10.252	10.452	725.170	712.500	1.8
2,4,5-TP(Silvex)	9.918	9.824	10.024	728.640	712.500	2.3
2,4-D	9.020	8.925	9.125	699.480	705.000	-0.8
2,4-DB	10.916	10.822	11.022	698.190	712.500	-2.0
2,4-DCAA	7.762	7.666	7.866	735.070	750.000	-2.0
Dalapon	2.703	2.603	2.803	693.180	682.500	1.6
DICAMBA	7.960	7.865	8.065	713.550	705.000	1.2
DICHLORPROP	8.680	8.585	8.785	689.100	705.000	-2.3
Dinoseb	11.295	11.202	11.402	724.560	705.000	2.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031321.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 16:26
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 01:42:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.309	7.762	2279.7E6	613.8E6	782.486	735.068
	Target Compounds						
1) T	Dalapon	2.686	2.703	3368.0E6	1702.6E6	698.091	693.177
2) T	3,5-DICHL...	6.472	6.709	3221.9E6	910.1E6	755.802m	704.293
3) T	4-Nitroph...	7.111	7.302	751.0E6	855.1E6	737.549	662.363
5) T	DICAMBA	7.496	7.960	9404.5E6	3868.1E6	727.867	713.553
6) T	MCPP	7.677	8.058	519.6E6	112.6E6	64.609	65.844
7) T	MCPA	7.826	8.307	730.0E6	189.1E6	74.671	72.888
8) T	DICHLORPROP	8.206	8.680	2155.7E6	895.9E6	709.124	689.104
9) T	2,4-D	8.439	9.020	1888.0E6	976.1E6	728.022	699.480
10) T	Pentachlo...	8.737	9.532	36181.1E6	25404.2E6	795.561	758.415
11) T	2,4,5-TP ...	9.318	9.918	12468.2E6	9255.7E6	748.334	728.638
12) T	2,4,5-T	9.614	10.347	10095.8E6	8458.9E6	759.043	725.171
13) T	2,4-DB	10.190	10.916	1296.2E6	674.4E6	741.867	698.193
14) T	DINOSEB	11.396	11.295	8612.1E6	6767.4E6	751.263	724.563
15) T	Picloram	11.218	12.415	8220.0E6	11910.4E6	701.985	696.720
16) T	DCPA	11.695	12.338	16161.3E6	13884.9E6	779.379m	744.431

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031321.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 16:26
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

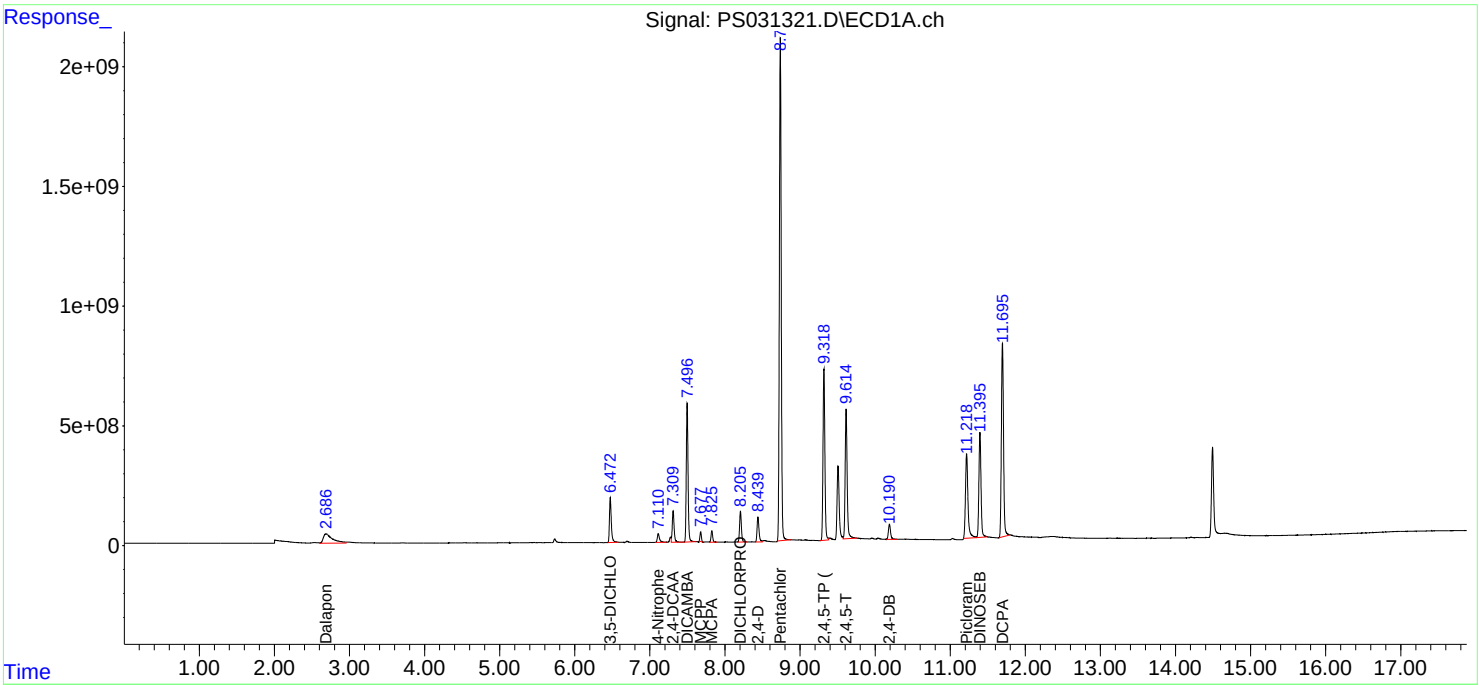
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

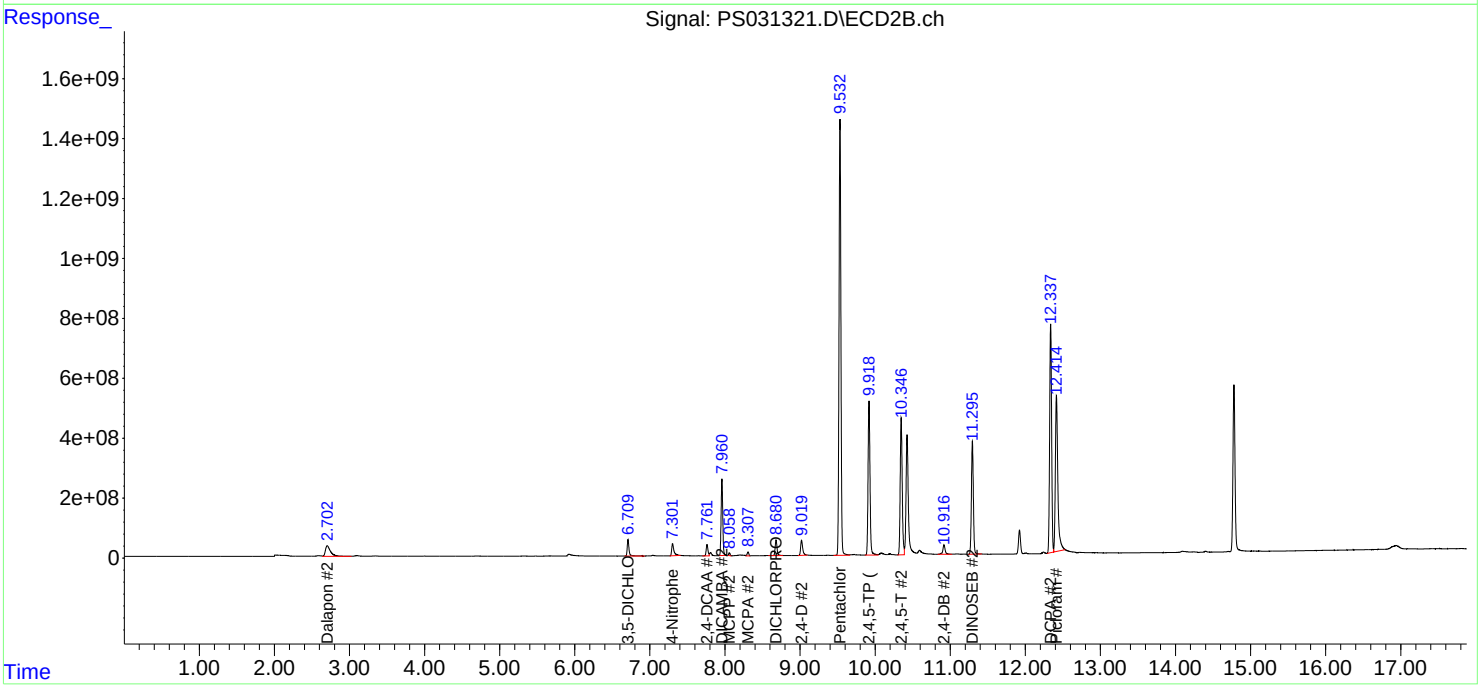
Manual Integrations APPROVED

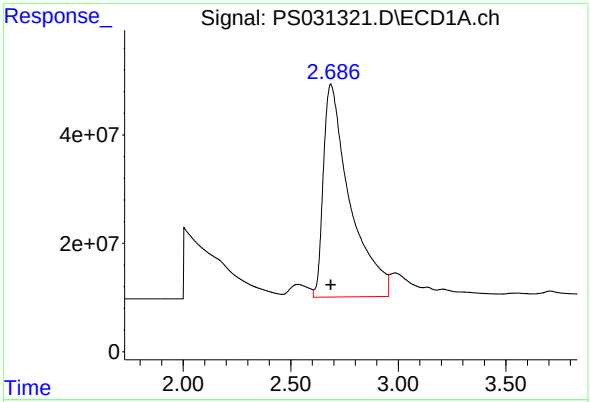
Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 01:42:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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







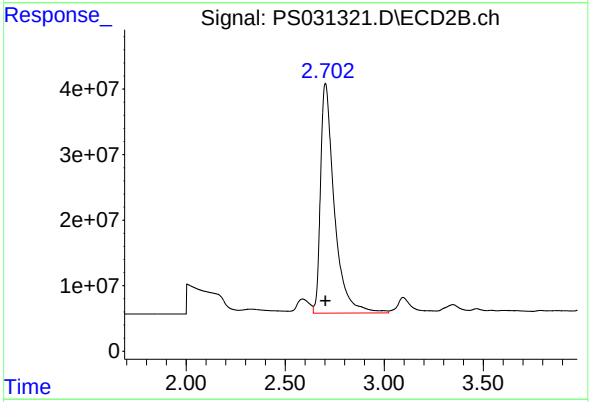
#1 Dalapon

R.T.: 2.686 min
Delta R.T.: -0.001 min
Response: 3367981476
Conc: 698.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

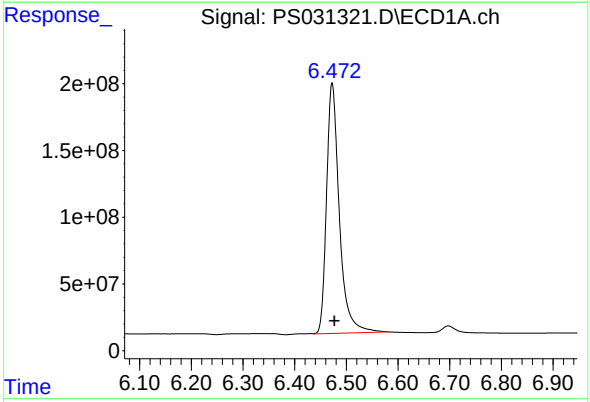
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



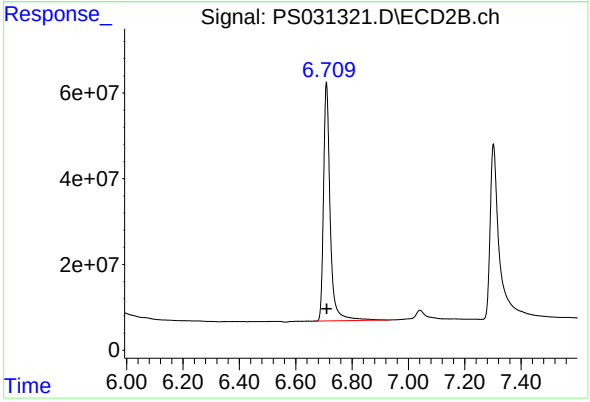
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1702570172
Conc: 693.18 ng/ml



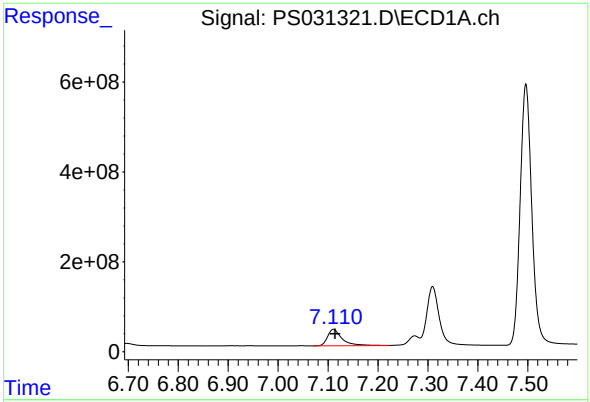
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.472 min
Delta R.T.: -0.005 min
Response: 3221931926
Conc: 755.80 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.709 min
Delta R.T.: -0.002 min
Response: 910137136
Conc: 704.29 ng/ml



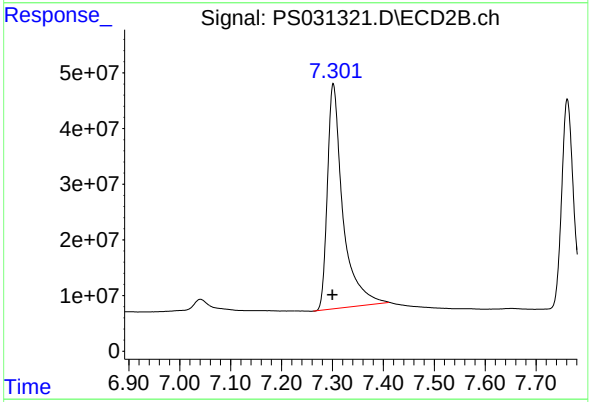
#3 4-Nitrophenol

R.T.: 7.111 min
Delta R.T.: -0.003 min
Response: 750972957
Conc: 737.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

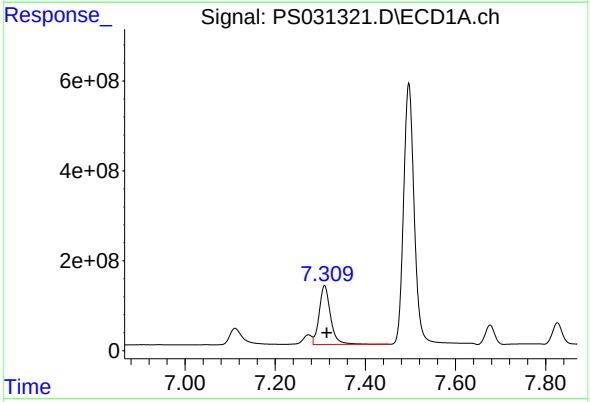
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



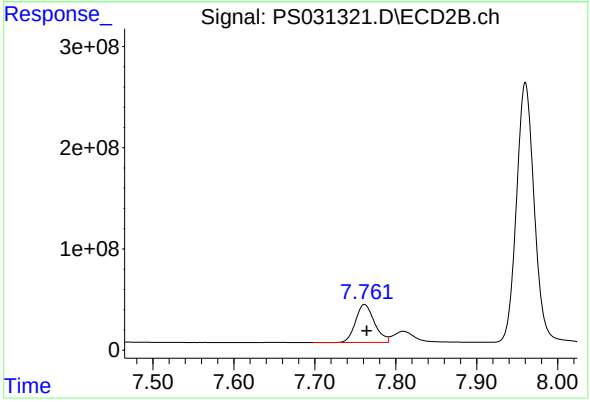
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.002 min
Response: 855052956
Conc: 662.36 ng/ml



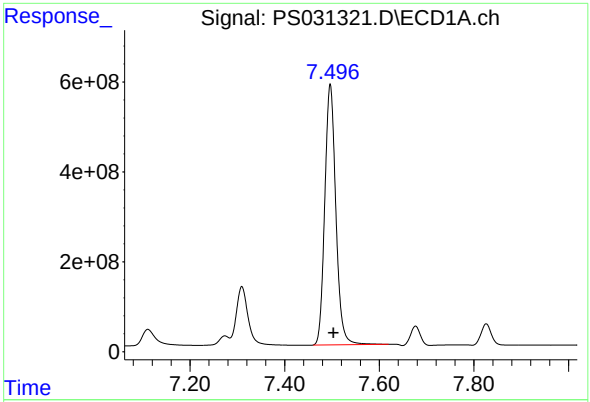
#4 2,4-DCAA

R.T.: 7.309 min
Delta R.T.: -0.005 min
Response: 2279697732
Conc: 782.49 ng/ml



#4 2,4-DCAA

R.T.: 7.762 min
Delta R.T.: -0.003 min
Response: 613841130
Conc: 735.07 ng/ml



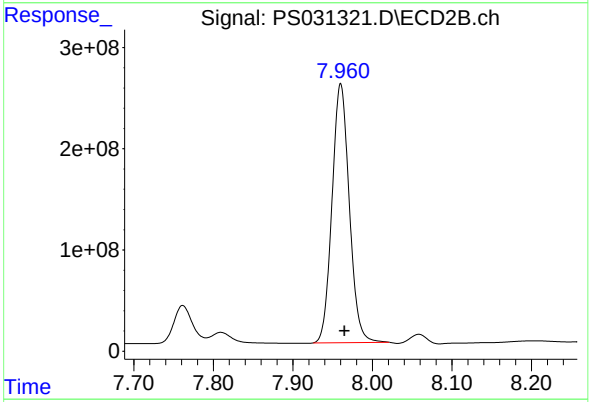
#5 DICAMBA

R.T.: 7.496 min
Delta R.T.: -0.007 min
Response: 9404466848
Conc: 727.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

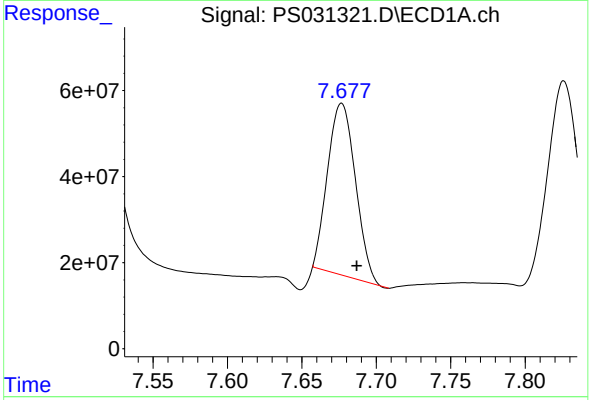
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



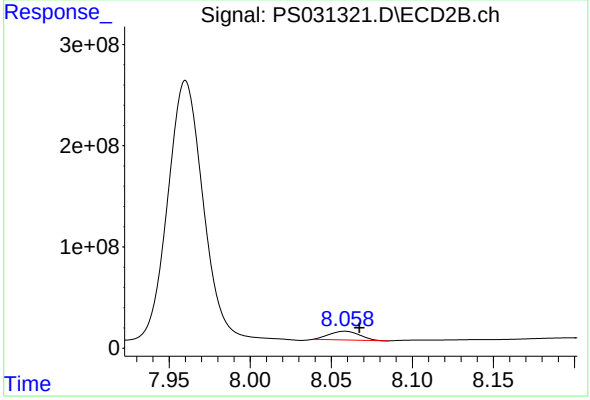
#5 DICAMBA

R.T.: 7.960 min
Delta R.T.: -0.005 min
Response: 3868064311
Conc: 713.55 ng/ml



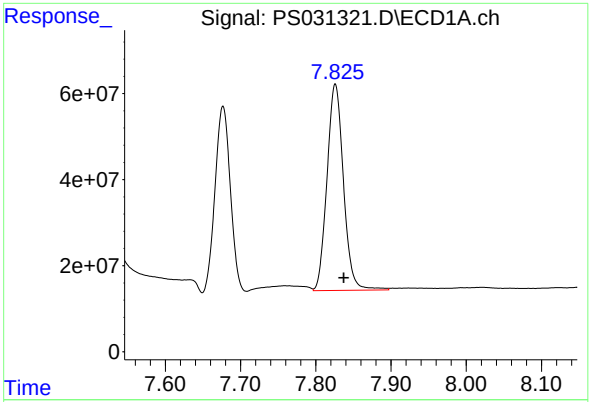
#6 MCPP

R.T.: 7.677 min
Delta R.T.: -0.010 min
Response: 519635350
Conc: 64.61 ug/ml



#6 MCPP

R.T.: 8.058 min
Delta R.T.: -0.009 min
Response: 112553147
Conc: 65.84 ug/ml



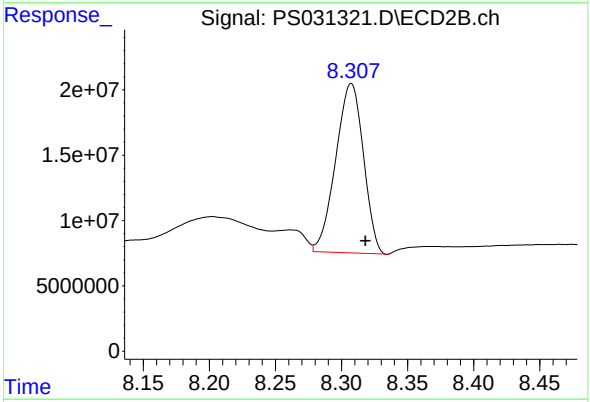
#7 MCPA

R.T.: 7.826 min
Delta R.T.: -0.011 min
Response: 729982989
Conc: 74.67 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

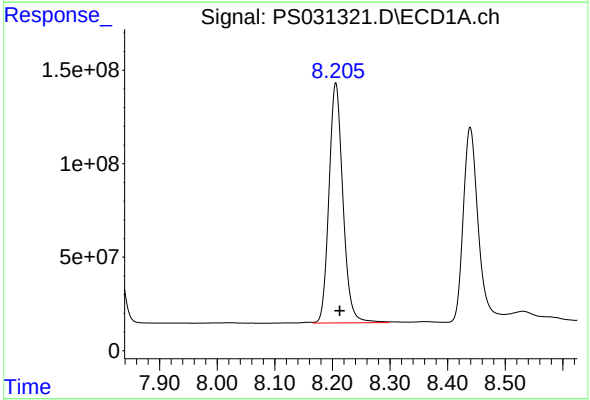
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



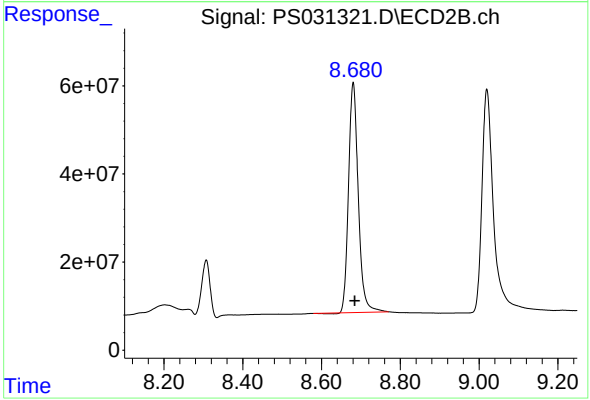
#7 MCPA

R.T.: 8.307 min
Delta R.T.: -0.011 min
Response: 189068839
Conc: 72.89 ug/ml



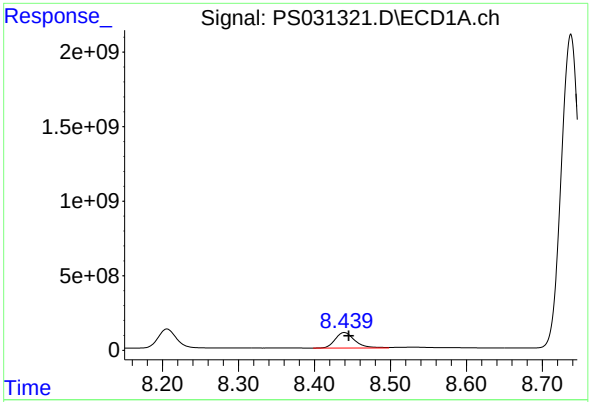
#8 DICHLORPROP

R.T.: 8.206 min
Delta R.T.: -0.007 min
Response: 2155746340
Conc: 709.12 ng/ml



#8 DICHLORPROP

R.T.: 8.680 min
Delta R.T.: -0.004 min
Response: 895874486
Conc: 689.10 ng/ml



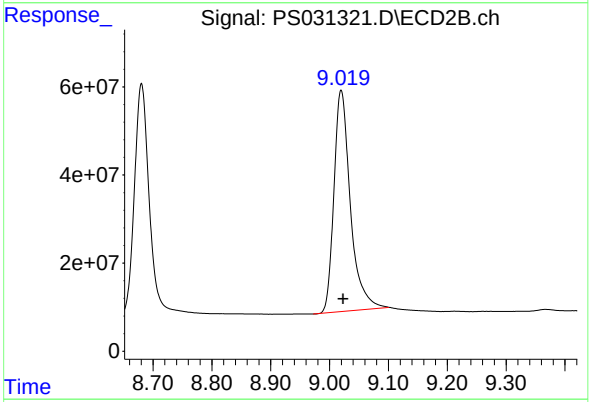
#9 2,4-D

R.T.: 8.439 min
Delta R.T.: -0.006 min
Response: 1888007545
Conc: 728.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

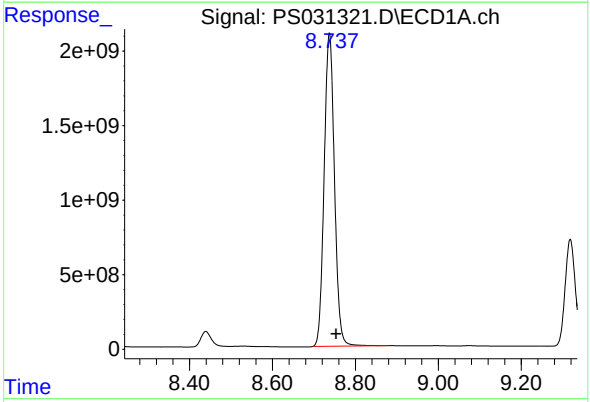
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



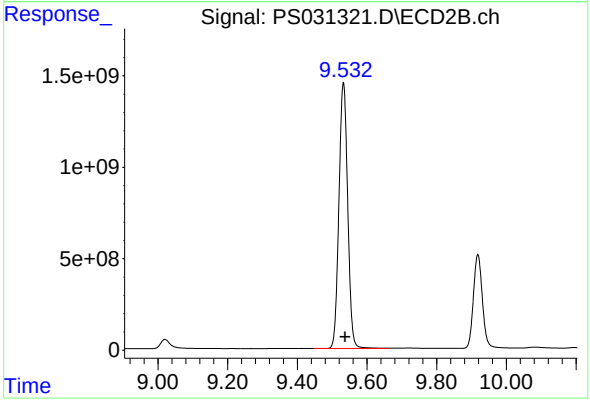
#9 2,4-D

R.T.: 9.020 min
Delta R.T.: -0.003 min
Response: 976145865
Conc: 699.48 ng/ml



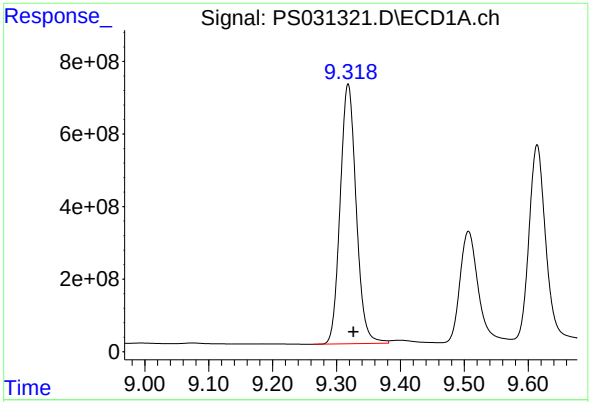
#10 Pentachlorophenol

R.T.: 8.737 min
Delta R.T.: -0.016 min
Response: 36181118747
Conc: 795.56 ng/ml



#10 Pentachlorophenol

R.T.: 9.532 min
Delta R.T.: -0.005 min
Response: 25404168451
Conc: 758.42 ng/ml



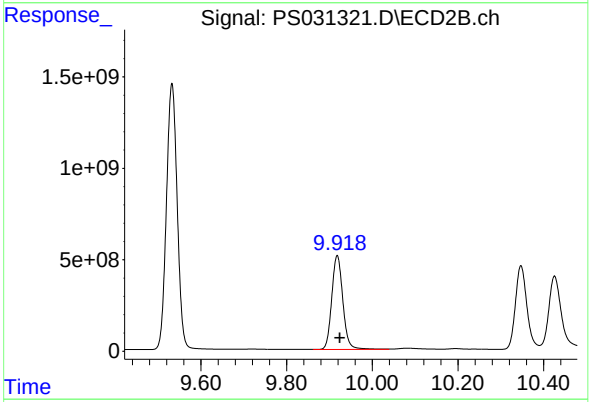
#11 2,4,5-TP (SILVEX)

R.T.: 9.318 min
Delta R.T.: -0.008 min
Response: 12468178840
Conc: 748.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

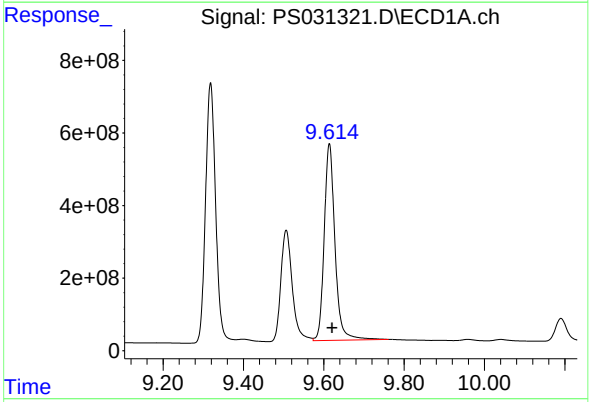
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



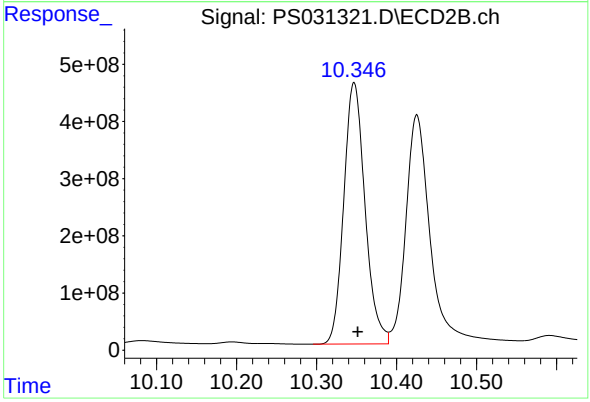
#11 2,4,5-TP (SILVEX)

R.T.: 9.918 min
Delta R.T.: -0.006 min
Response: 9255741880
Conc: 728.64 ng/ml



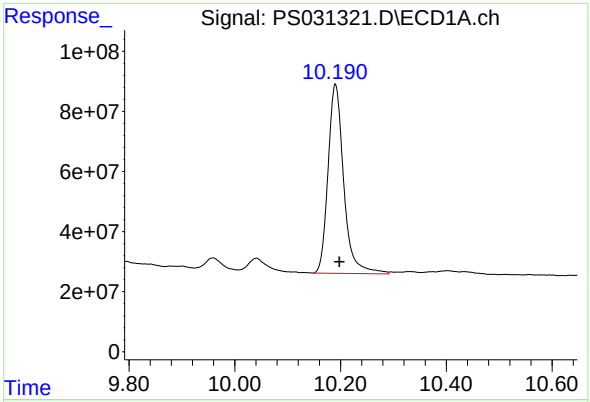
#12 2,4,5-T

R.T.: 9.614 min
Delta R.T.: -0.007 min
Response: 10095828568
Conc: 759.04 ng/ml



#12 2,4,5-T

R.T.: 10.347 min
Delta R.T.: -0.005 min
Response: 8458878566
Conc: 725.17 ng/ml



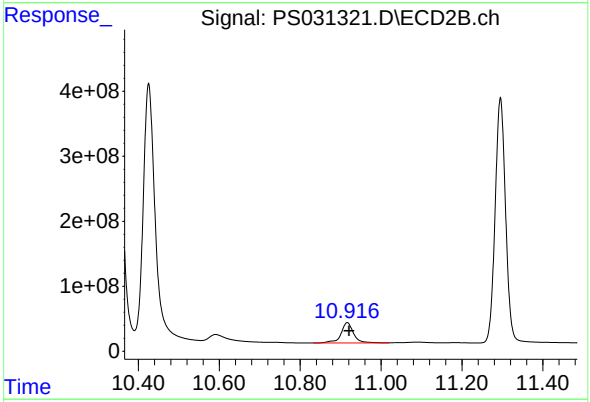
#13 2,4-DB

R.T.: 10.190 min
Delta R.T.: -0.008 min
Response: 1296229555
Conc: 741.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

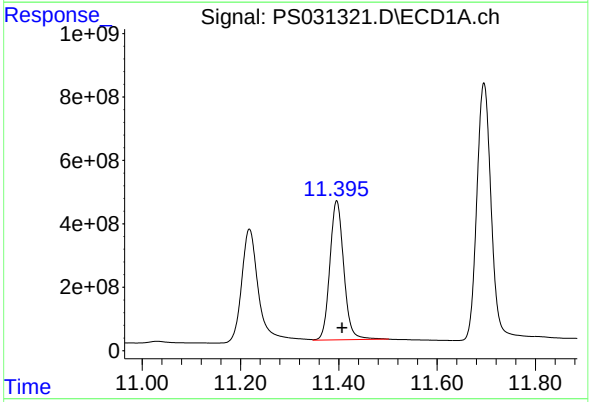
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



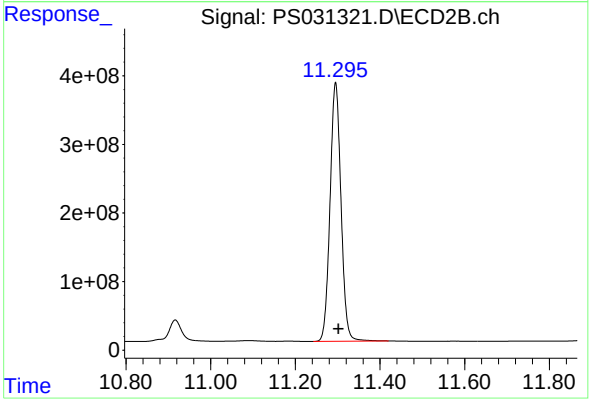
#13 2,4-DB

R.T.: 10.916 min
Delta R.T.: -0.004 min
Response: 674353381
Conc: 698.19 ng/ml



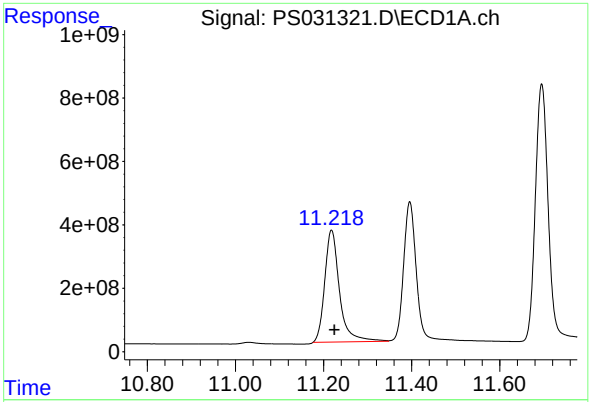
#14 DINOSEB

R.T.: 11.396 min
Delta R.T.: -0.011 min
Response: 8612137835
Conc: 751.26 ng/ml



#14 DINOSEB

R.T.: 11.295 min
Delta R.T.: -0.007 min
Response: 6767367444
Conc: 724.56 ng/ml



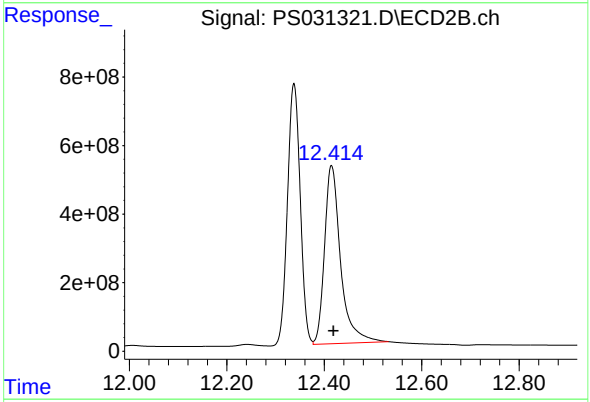
#15 Picloram

R.T.: 11.218 min
Delta R.T.: -0.007 min
Response: 8219981742
Conc: 701.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

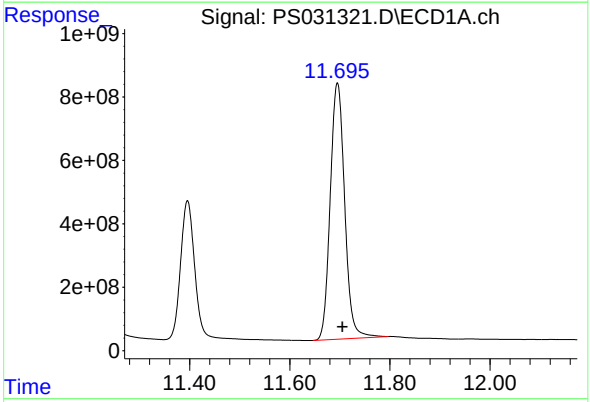
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



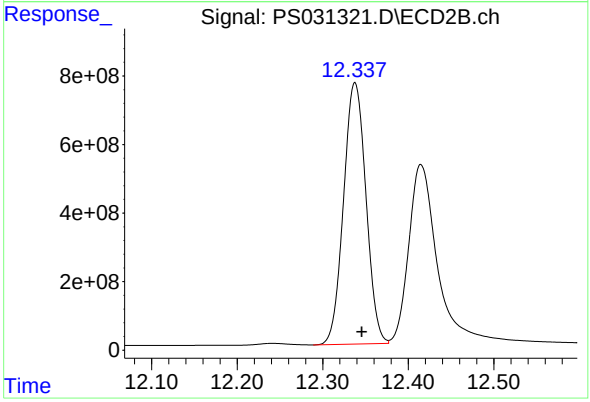
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 11910384522
Conc: 696.72 ng/ml



#16 DCPA

R.T.: 11.695 min
Delta R.T.: -0.011 min
Response: 16161314117
Conc: 779.38 ng/ml m



#16 DCPA

R.T.: 12.338 min
Delta R.T.: -0.008 min
Response: 13884945919
Conc: 744.43 ng/ml

Raw Data: **PS031330.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Continuing Calib Date: 07/30/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 22:05 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.50	7.50	7.40	7.60	0.01
2,4-DCAA	7.31	7.32	7.22	7.42	0.01
Dalapon	2.69	2.69	2.59	2.79	0.00
DICHLORPROP	8.20	8.21	8.11	8.31	0.01
2,4-D	8.44	8.45	8.35	8.55	0.01
2,4,5-TP(Silvex)	9.32	9.33	9.23	9.43	0.01
2,4,5-T	9.61	9.62	9.52	9.72	0.01
2,4-DB	10.19	10.20	10.10	10.30	0.01
Dinoseb	11.39	11.41	11.31	11.51	0.02

Raw Data: **PS031330.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Continuing Calib Date: 07/30/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 22:05 **Initial Calibration Time(s):** 16:30 18:07

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	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00
2,4,5-T	10.35	10.35	10.25	10.45	0.00
2,4-DB	10.91	10.92	10.82	11.02	0.01
Dinoseb	11.29	11.30	11.20	11.40	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.:** Q2639

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL08 **Date Analyzed:** 07/30/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031330.D **Time Analyzed:** 22:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.611	9.521	9.721	827.280	712.500	16.1
2,4,5-TP(Silvex)	9.317	9.227	9.427	785.370	712.500	10.2
2,4-D	8.437	8.346	8.546	790.770	705.000	12.2
2,4-DB	10.187	10.099	10.299	836.500	712.500	17.4
2,4-DCAA	7.308	7.215	7.415	811.200	750.000	8.2
Dalapon	2.687	2.591	2.791	696.840	682.500	2.1
DICAMBA	7.495	7.403	7.603	737.350	705.000	4.6
DICHLORPROP	8.204	8.113	8.313	735.590	705.000	4.3
Dinoseb	11.393	11.307	11.507	796.630	705.000	13.0

Raw Data: **PS031330.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL08 **Date Analyzed:** 07/30/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031330.D **Time Analyzed:** 22:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.345	10.252	10.452	741.800	712.500	4.1
2,4,5-TP(Silvex)	9.917	9.824	10.024	739.380	712.500	3.8
2,4-D	9.018	8.925	9.125	721.160	705.000	2.3
2,4-DB	10.914	10.822	11.022	722.110	712.500	1.3
2,4-DCAA	7.760	7.666	7.866	757.320	750.000	1.0
Dalapon	2.702	2.603	2.803	679.430	682.500	-0.4
DICAMBA	7.959	7.865	8.065	724.380	705.000	2.7
DICHLORPROP	8.679	8.585	8.785	718.960	705.000	2.0
Dinoseb	11.293	11.202	11.402	740.310	705.000	5.0

Sample Results: **PS031330.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 22:05
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:13:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.308	7.760	2363.4E6	632.4E6	811.203	757.323
		Target Compounds						
1)	T	Dalapon	2.687	2.702	3362.0E6	1668.8E6	696.841	679.427
2)	T	3,5-DICHL...	6.471	6.708	3279.1E6	934.1E6	769.224m	722.820
3)	T	4-Nitroph...	7.109	7.300	802.5E6	879.9E6	788.170	681.606
5)	T	DICAMBA	7.495	7.959	9526.9E6	3926.8E6	737.346	724.384
6)	T	MCPP	7.674	8.057	652.7E6	137.3E6	81.150m	80.298m
7)	T	MCPA	7.824	8.306	761.2E6	195.6E6	77.864	75.402
8)	T	DICHLORPROP	8.204	8.679	2236.2E6	934.7E6	735.590	718.958
9)	T	2,4-D	8.437	9.018	2050.7E6	1006.4E6	790.772	721.157
10)	T	Pentachlo...	8.735	9.531	36630.4E6	25778.7E6	805.440	769.598
11)	T	2,4,5-TP ...	9.317	9.917	13085.2E6	9392.2E6	785.369	739.383
12)	T	2,4,5-T	9.611	10.345	11003.4E6	8652.8E6	827.278	741.798
13)	T	2,4-DB	10.187	10.914	1461.6E6	697.5E6	836.501	722.114
14)	T	DINOSEB	11.393	11.293	9132.3E6	6914.4E6	796.635	740.306
15)	T	Picloram	11.214	12.411	9508.1E6	12868.9E6	811.987m	752.788
16)	T	DCPA	11.692	12.336	17381.9E6	14067.8E6	838.241m	754.236

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 22:05
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

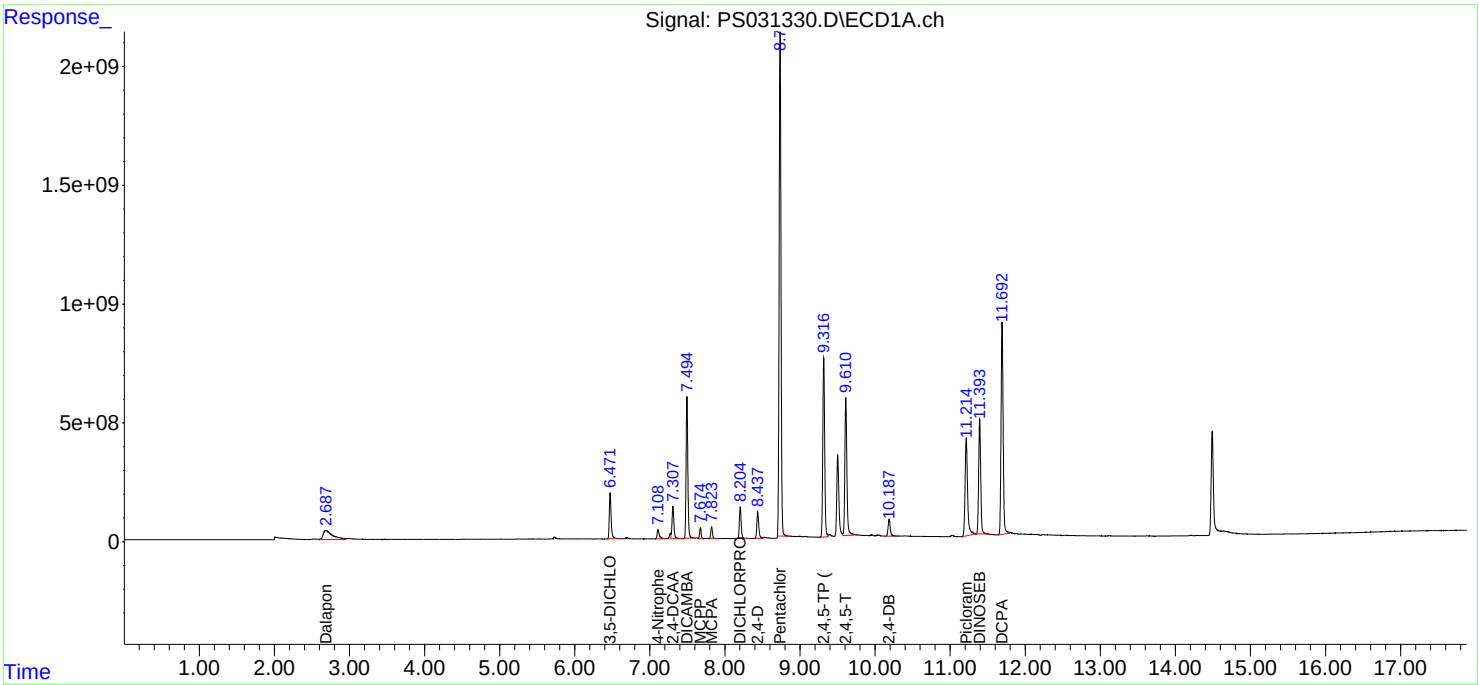
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

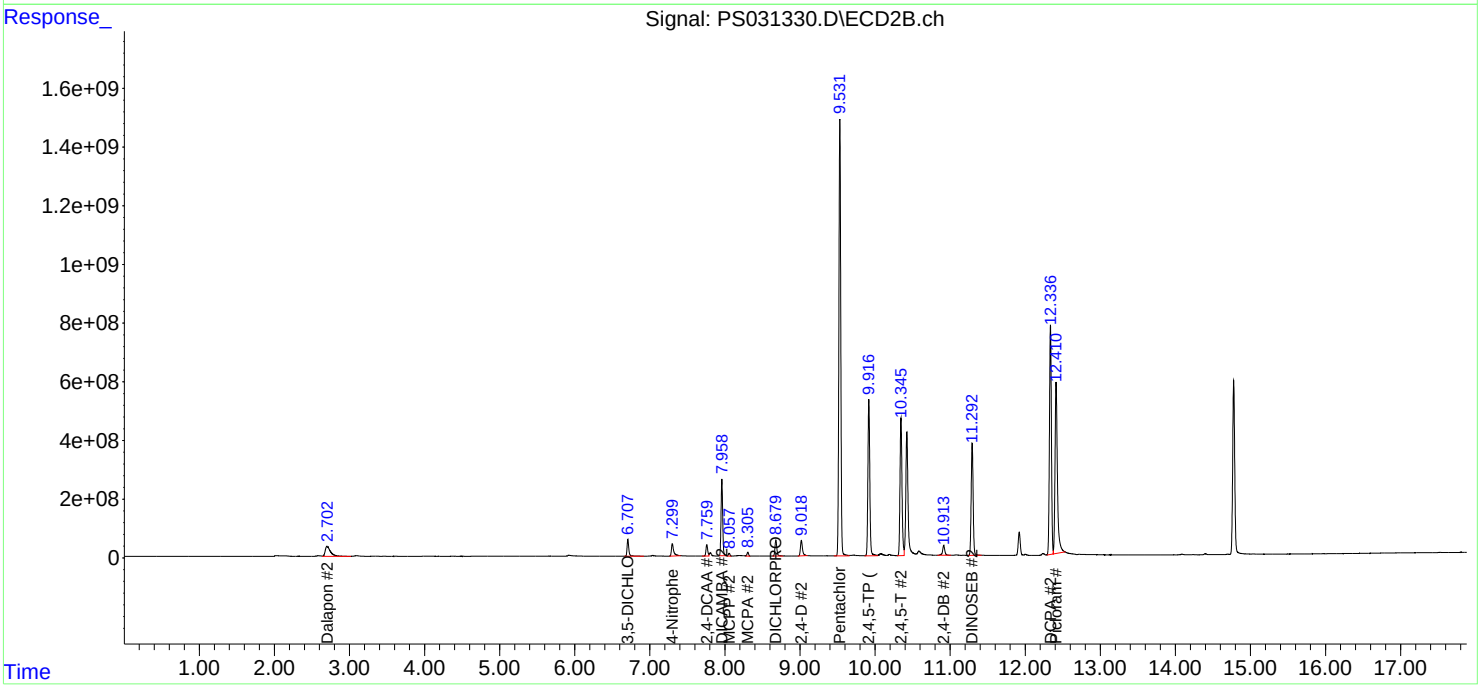
Manual Integrations APPROVED

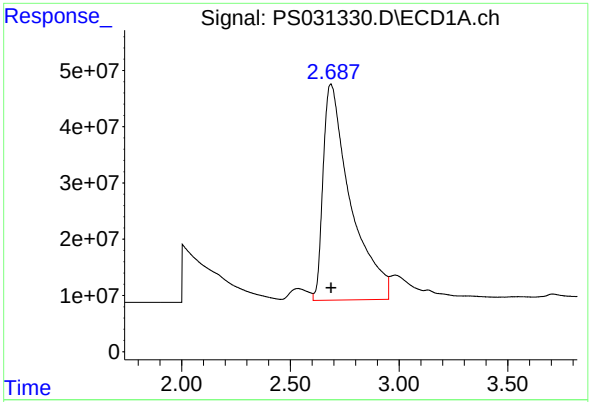
Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:13:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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







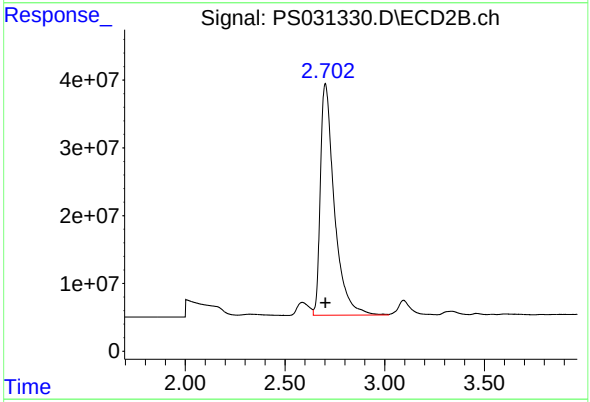
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 3361951686
Conc: 696.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

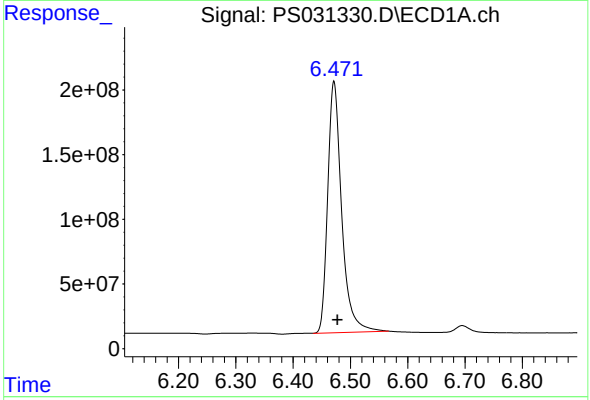
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



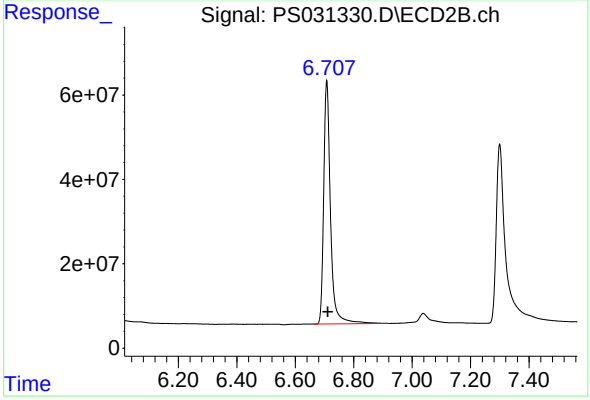
#1 Dalapon

R.T.: 2.702 min
Delta R.T.: -0.001 min
Response: 1668798361
Conc: 679.43 ng/ml



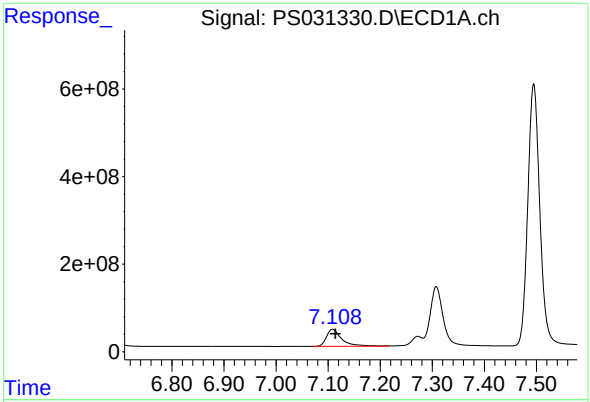
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.471 min
Delta R.T.: -0.006 min
Response: 3279149976
Conc: 769.22 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.708 min
Delta R.T.: -0.003 min
Response: 934079640
Conc: 722.82 ng/ml



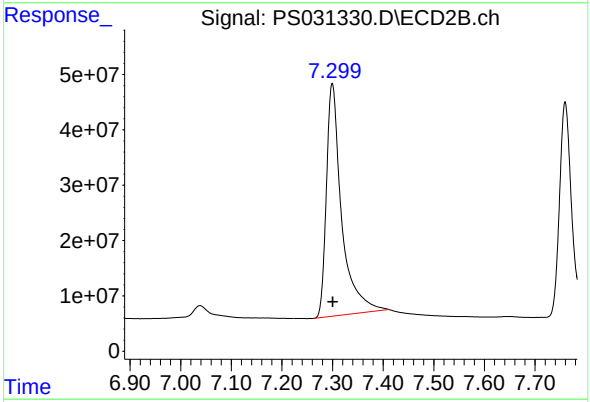
#3 4-Nitrophenol

R.T.: 7.109 min
Delta R.T.: -0.006 min
Response: 802515628
Conc: 788.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

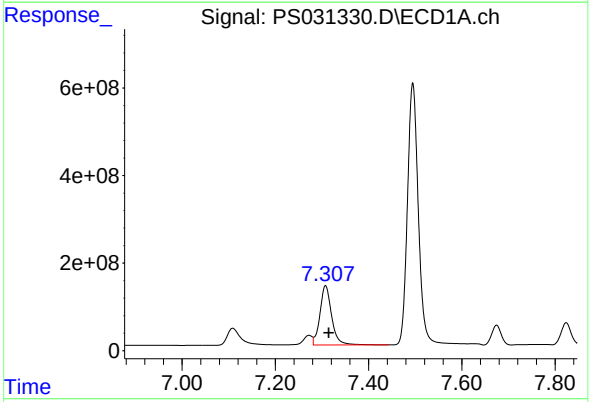
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



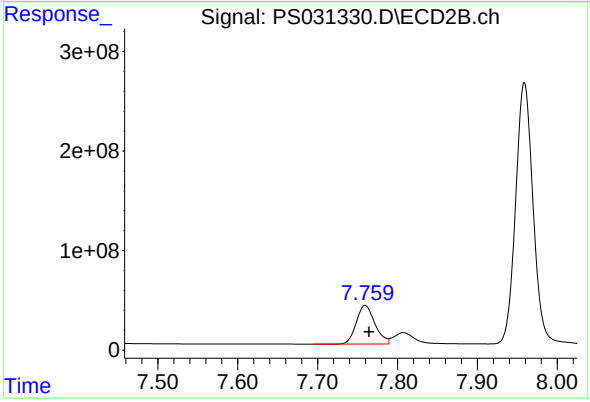
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 879893512
Conc: 681.61 ng/ml



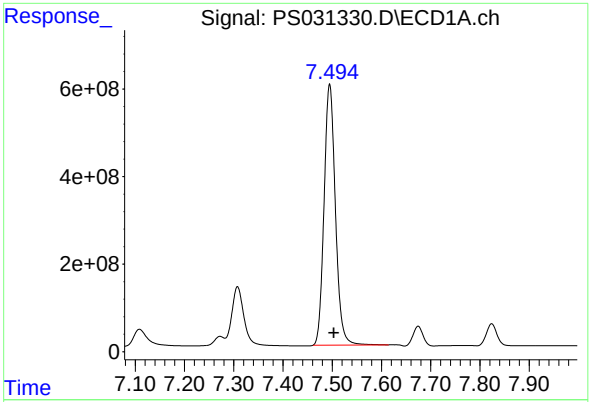
#4 2,4-DCAA

R.T.: 7.308 min
Delta R.T.: -0.007 min
Response: 2363361097
Conc: 811.20 ng/ml



#4 2,4-DCAA

R.T.: 7.760 min
Delta R.T.: -0.005 min
Response: 632425698
Conc: 757.32 ng/ml



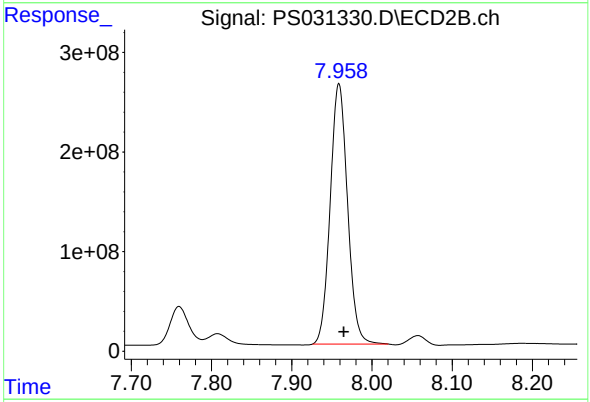
#5 DICAMBA

R.T.: 7.495 min
Delta R.T.: -0.008 min
Response: 9526940511
Conc: 737.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

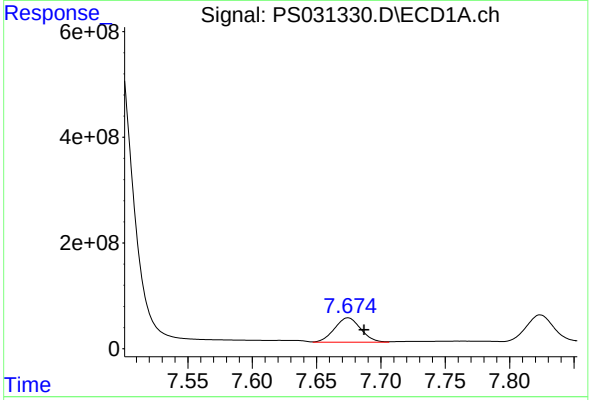
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



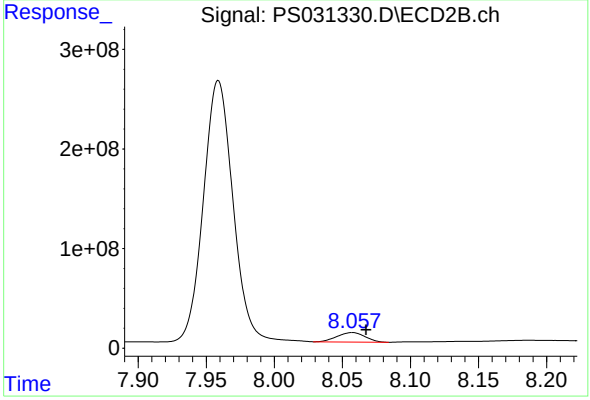
#5 DICAMBA

R.T.: 7.959 min
Delta R.T.: -0.006 min
Response: 3926776388
Conc: 724.38 ng/ml



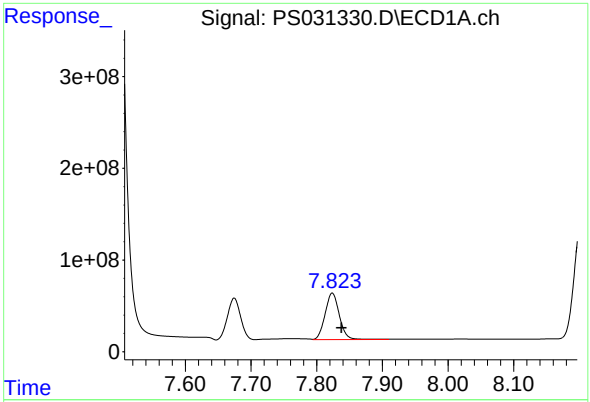
#6 MCPP

R.T.: 7.674 min
Delta R.T.: -0.013 min
Response: 652668919
Conc: 81.15 ug/ml m



#6 MCPP

R.T.: 8.057 min
Delta R.T.: -0.010 min
Response: 137260694
Conc: 80.30 ug/ml m



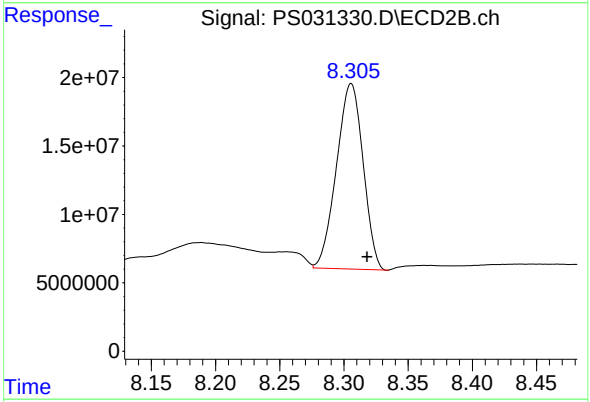
#7 MCPA

R.T.: 7.824 min
Delta R.T.: -0.014 min
Response: 761196449
Conc: 77.86 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

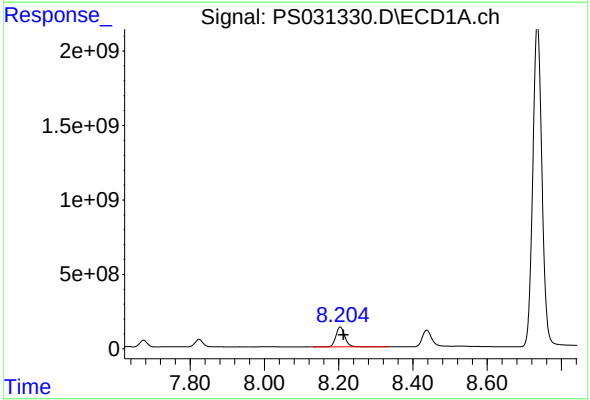
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



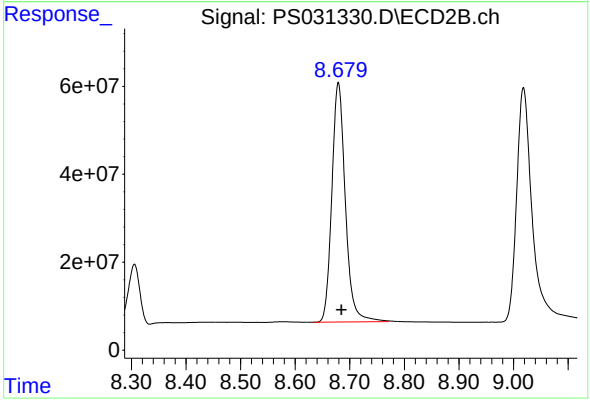
#7 MCPA

R.T.: 8.306 min
Delta R.T.: -0.013 min
Response: 195588858
Conc: 75.40 ug/ml



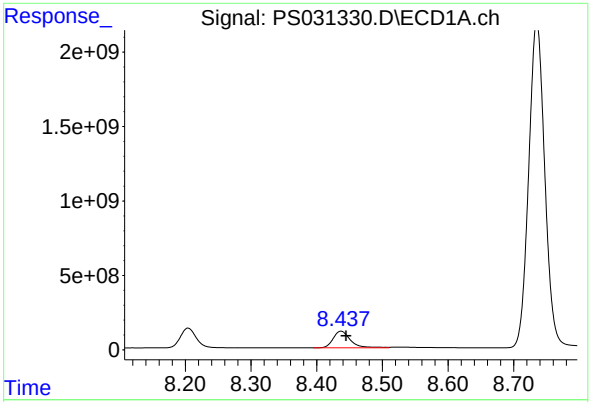
#8 DICHLORPROP

R.T.: 8.204 min
Delta R.T.: -0.009 min
Response: 2236203198
Conc: 735.59 ng/ml



#8 DICHLORPROP

R.T.: 8.679 min
Delta R.T.: -0.005 min
Response: 934686402
Conc: 718.96 ng/ml



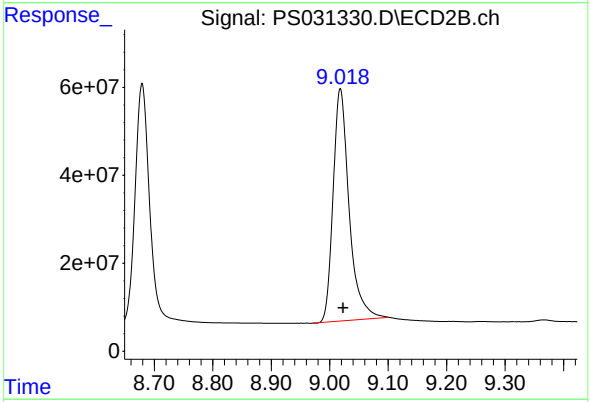
#9 2,4-D

R.T.: 8.437 min
Delta R.T.: -0.008 min
Response: 2050741400
Conc: 790.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

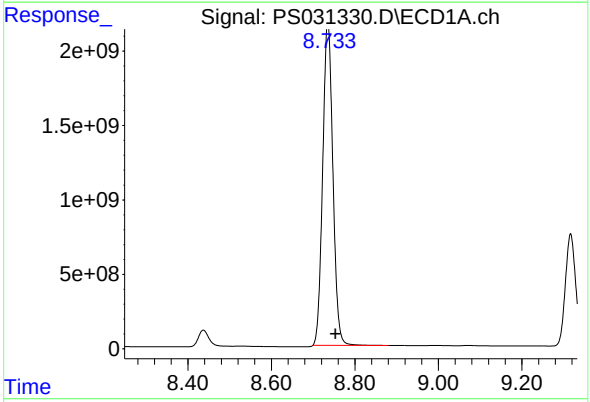
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



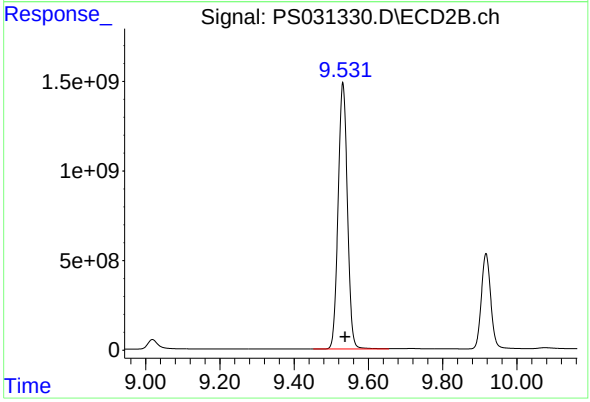
#9 2,4-D

R.T.: 9.018 min
Delta R.T.: -0.005 min
Response: 1006396576
Conc: 721.16 ng/ml



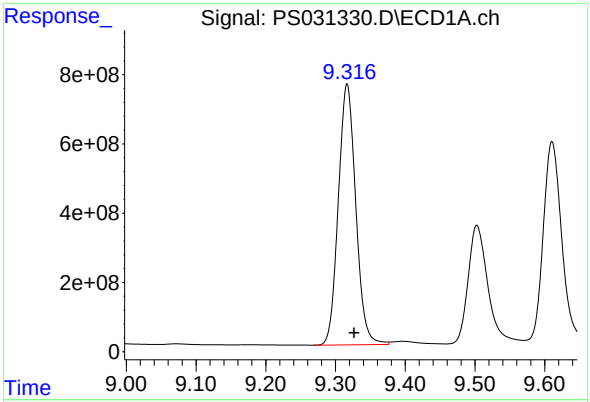
#10 Pentachlorophenol

R.T.: 8.735 min
Delta R.T.: -0.019 min
Response: 36630413351
Conc: 805.44 ng/ml



#10 Pentachlorophenol

R.T.: 9.531 min
Delta R.T.: -0.006 min
Response: 25778742725
Conc: 769.60 ng/ml



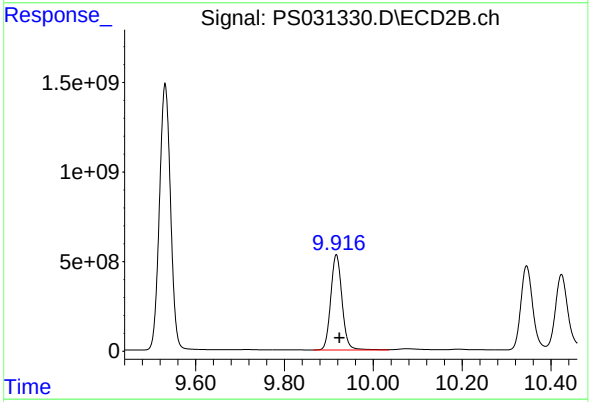
#11 2,4,5-TP (SILVEX)

R.T.: 9.317 min
Delta R.T.: -0.010 min
Response: 13085230322
Conc: 785.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

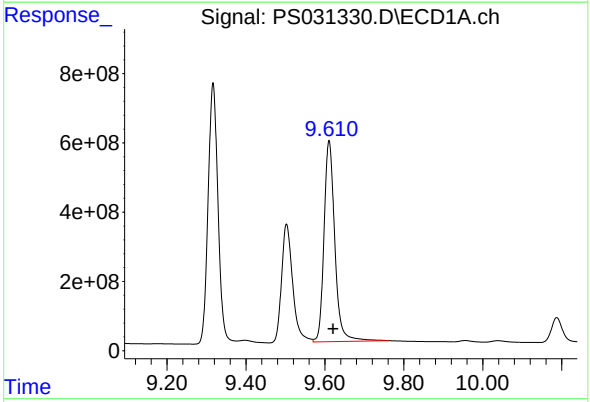
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



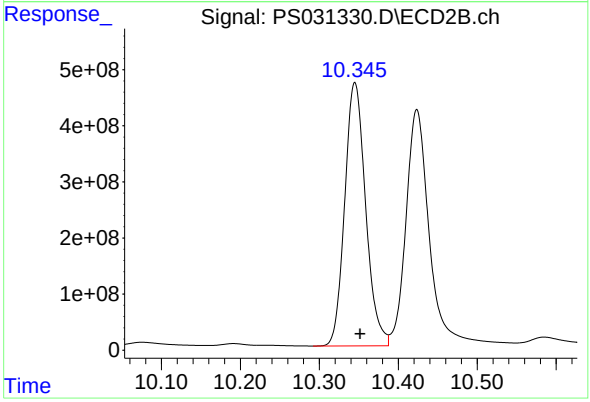
#11 2,4,5-TP (SILVEX)

R.T.: 9.917 min
Delta R.T.: -0.007 min
Response: 9392241010
Conc: 739.38 ng/ml



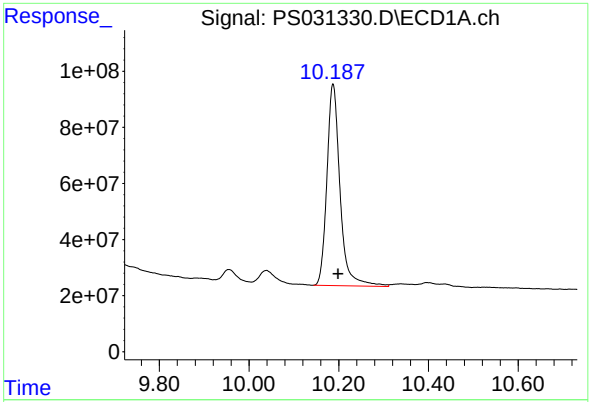
#12 2,4,5-T

R.T.: 9.611 min
Delta R.T.: -0.010 min
Response: 11003401096
Conc: 827.28 ng/ml



#12 2,4,5-T

R.T.: 10.345 min
Delta R.T.: -0.006 min
Response: 8652826301
Conc: 741.80 ng/ml



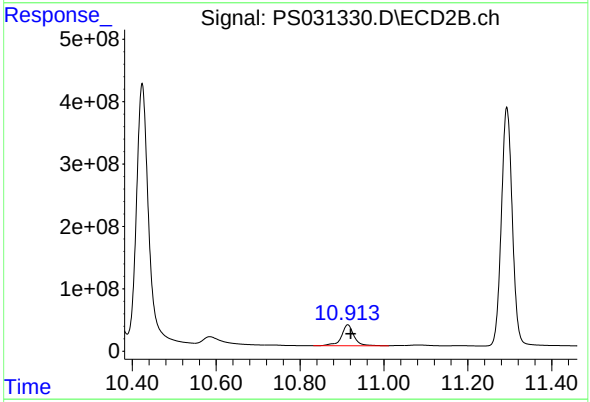
#13 2,4-DB

R.T.: 10.187 min
Delta R.T.: -0.011 min
Response: 1461579527
Conc: 836.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

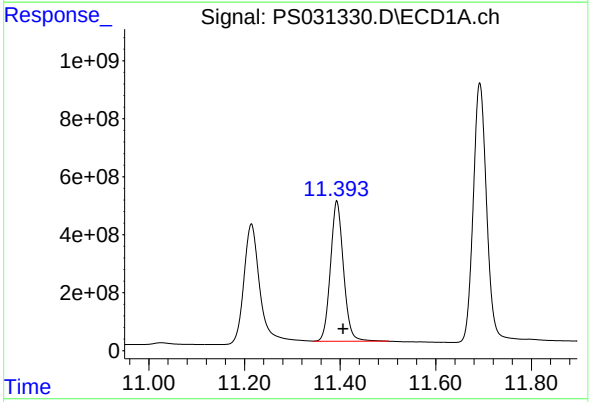
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



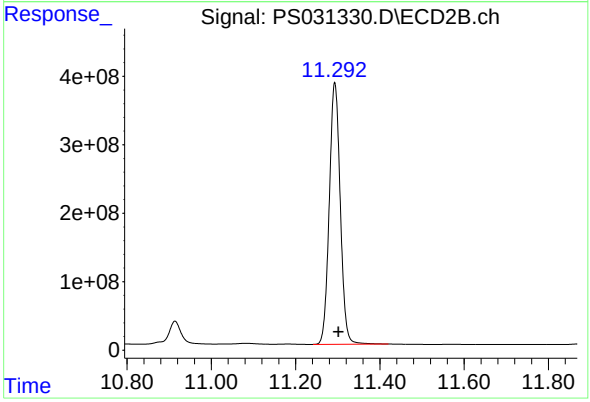
#13 2,4-DB

R.T.: 10.914 min
Delta R.T.: -0.007 min
Response: 697457890
Conc: 722.11 ng/ml



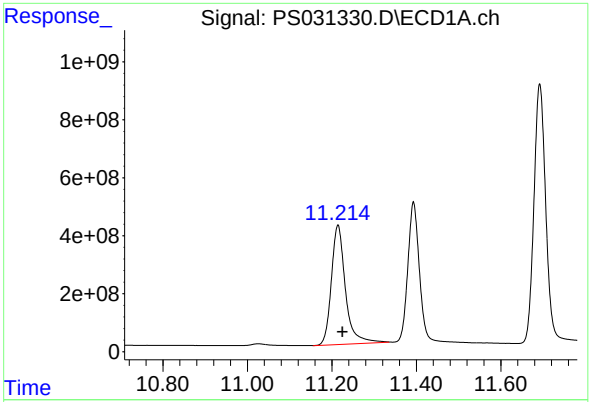
#14 DINOSEB

R.T.: 11.393 min
Delta R.T.: -0.013 min
Response: 9132257272
Conc: 796.63 ng/ml



#14 DINOSEB

R.T.: 11.293 min
Delta R.T.: -0.009 min
Response: 6914406841
Conc: 740.31 ng/ml



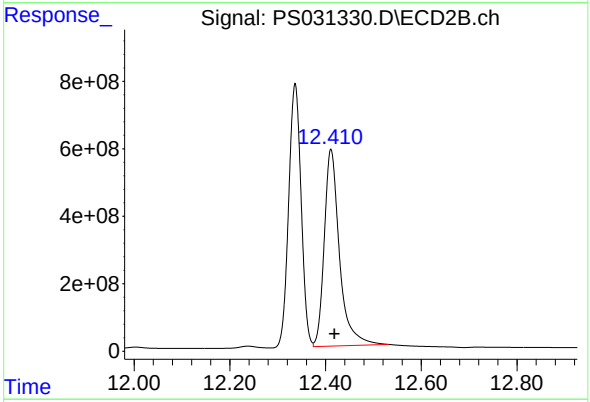
#15 Picloram

R.T.: 11.214 min
Delta R.T.: -0.011 min
Response: 9508061352
Conc: 811.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

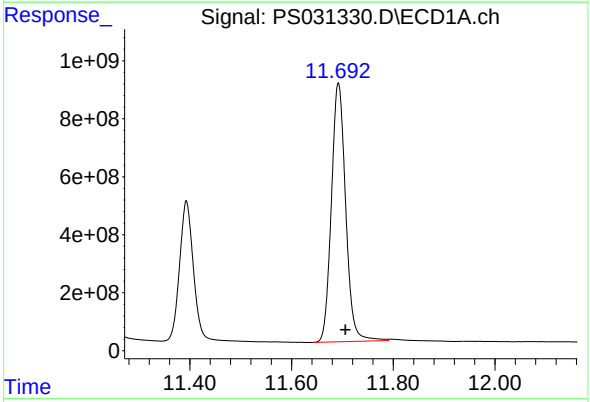
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



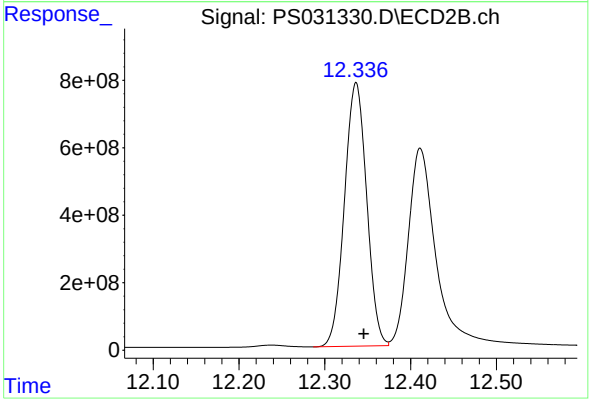
#15 Picloram

R.T.: 12.411 min
Delta R.T.: -0.007 min
Response: 12868860921
Conc: 752.79 ng/ml



#16 DCPA

R.T.: 11.692 min
Delta R.T.: -0.014 min
Response: 17381877260
Conc: 838.24 ng/ml m



#16 DCPA

R.T.: 12.336 min
Delta R.T.: -0.009 min
Response: 14067825237
Conc: 754.24 ng/ml

Raw Data: **PS031333.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 10:45 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.50	7.50	7.40	7.60	0.01
2,4-DCAA	7.31	7.32	7.22	7.42	0.01
Dalapon	2.68	2.69	2.59	2.79	0.01
DICHLORPROP	8.21	8.21	8.11	8.31	0.01
2,4-D	8.44	8.45	8.35	8.55	0.01
2,4,5-TP(Silvex)	9.32	9.33	9.23	9.43	0.01
2,4,5-T	9.61	9.62	9.52	9.72	0.01
2,4-DB	10.19	10.20	10.10	10.30	0.01
Dinoseb	11.40	11.41	11.31	11.51	0.01

Raw Data: **PS031333.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 10:45 **Initial Calibration Time(s):** 16:30 18:07

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	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.01
2,4,5-T	10.34	10.35	10.25	10.45	0.01
2,4-DB	10.91	10.92	10.82	11.02	0.01
Dinoseb	11.29	11.30	11.20	11.40	0.01

Raw Data: **PS031333.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL09 **Date Analyzed:** 07/31/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031333.D **Time Analyzed:** 10:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.612	9.521	9.721	793.430	712.500	11.4
2,4,5-TP(Silvex)	9.318	9.227	9.427	761.440	712.500	6.9
2,4-D	8.438	8.346	8.546	785.490	705.000	11.4
2,4-DB	10.189	10.099	10.299	803.530	712.500	12.8
2,4-DCAA	7.308	7.215	7.415	779.140	750.000	3.9
Dalapon	2.684	2.591	2.791	697.190	682.500	2.2
DICAMBA	7.495	7.403	7.603	711.430	705.000	0.9
DICHLORPROP	8.205	8.113	8.313	705.600	705.000	0.1
Dinoseb	11.396	11.307	11.507	747.390	705.000	6.0

Raw Data: **PS031333.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL09 **Date Analyzed:** 07/31/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031333.D **Time Analyzed:** 10:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.344	10.252	10.452	701.440	712.500	-1.6
2,4,5-TP(Silvex)	9.915	9.824	10.024	702.650	712.500	-1.4
2,4-D	9.017	8.925	9.125	682.630	705.000	-3.2
2,4-DB	10.913	10.822	11.022	681.980	712.500	-4.3
2,4-DCAA	7.758	7.666	7.866	717.160	750.000	-4.4
Dalapon	2.698	2.603	2.803	656.150	682.500	-3.9
DICAMBA	7.957	7.865	8.065	688.210	705.000	-2.4
DICHLORPROP	8.678	8.585	8.785	672.870	705.000	-4.6
Dinoseb	11.292	11.202	11.402	664.140	705.000	-5.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:45
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 31 14:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.308	7.758	2269.9E6	598.9E6	779.138	717.158
		Target Compounds						
1)	T	Dalapon	2.684	2.698	3363.6E6	1611.6E6	697.188	656.146
2)	T	3,5-DICHL...	6.471	6.706	3197.5E6	886.1E6	750.060m	685.711
3)	T	4-Nitroph...	7.110	7.299	752.1E6	822.0E6	738.631	636.741
5)	T	DICAMBA	7.495	7.957	9192.1E6	3730.7E6	711.427	688.212m
6)	T	MCPP	7.675	8.055	599.8E6	131.5E6	74.571m	76.951m
7)	T	MCPA	7.825	8.304	730.7E6	185.1E6	74.745	71.352
8)	T	DICHLORPROP	8.205	8.678	2145.0E6	874.8E6	705.605	672.873
9)	T	2,4-D	8.438	9.017	2037.0E6	952.6E6	785.491	682.631
10)	T	Pentachlo...	8.737	9.529	35833.6E6	24399.9E6	787.920	728.433
11)	T	2,4,5-TP ...	9.318	9.915	12686.5E6	8925.6E6	761.440	702.649
12)	T	2,4,5-T	9.612	10.344	10553.3E6	8182.1E6	793.434	701.444
13)	T	2,4-DB	10.189	10.913	1404.0E6	658.7E6	803.534	681.983
14)	T	DINOSEB	11.396	11.292	8567.7E6	6203.0E6	747.387	664.137
15)	T	Picloram	11.215	12.411	9320.1E6	11860.8E6	795.938m	693.822
16)	T	DCPA	11.694	12.335	16776.3E6	13628.2E6	809.036m	730.668m

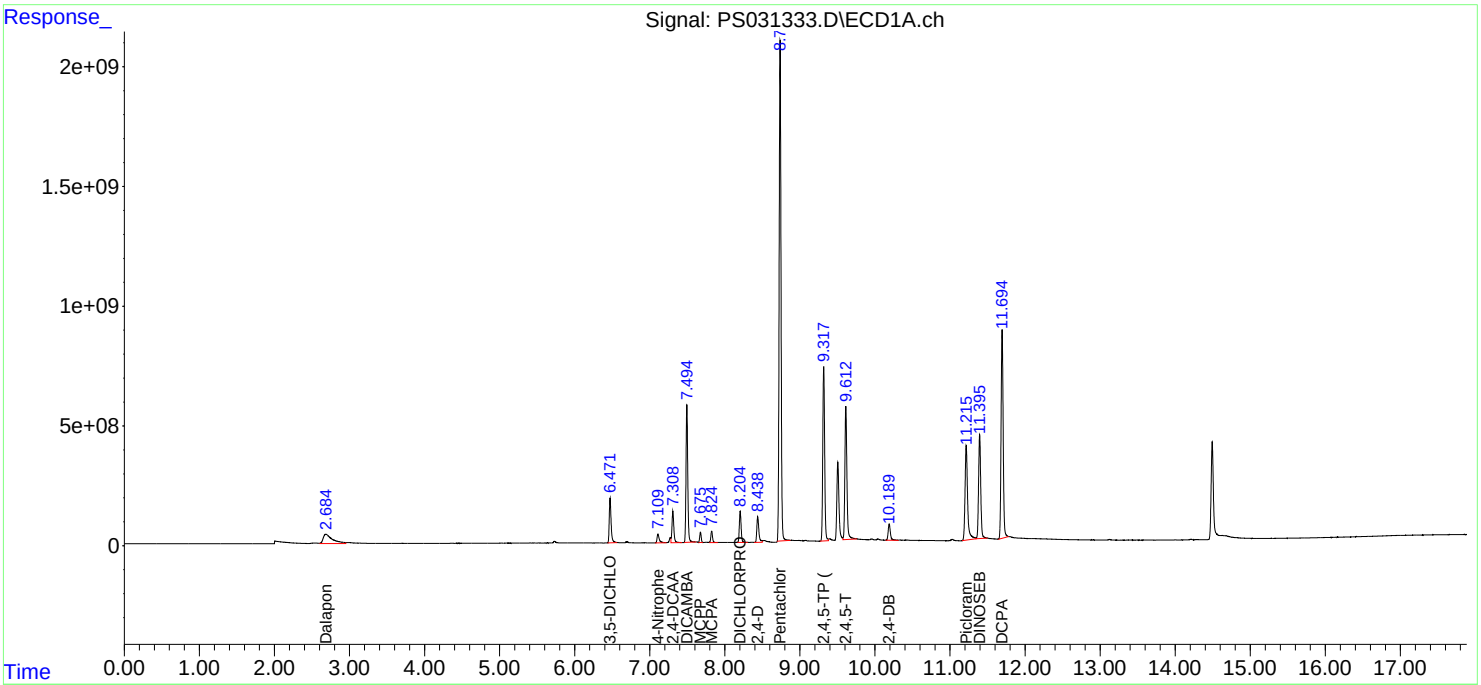
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

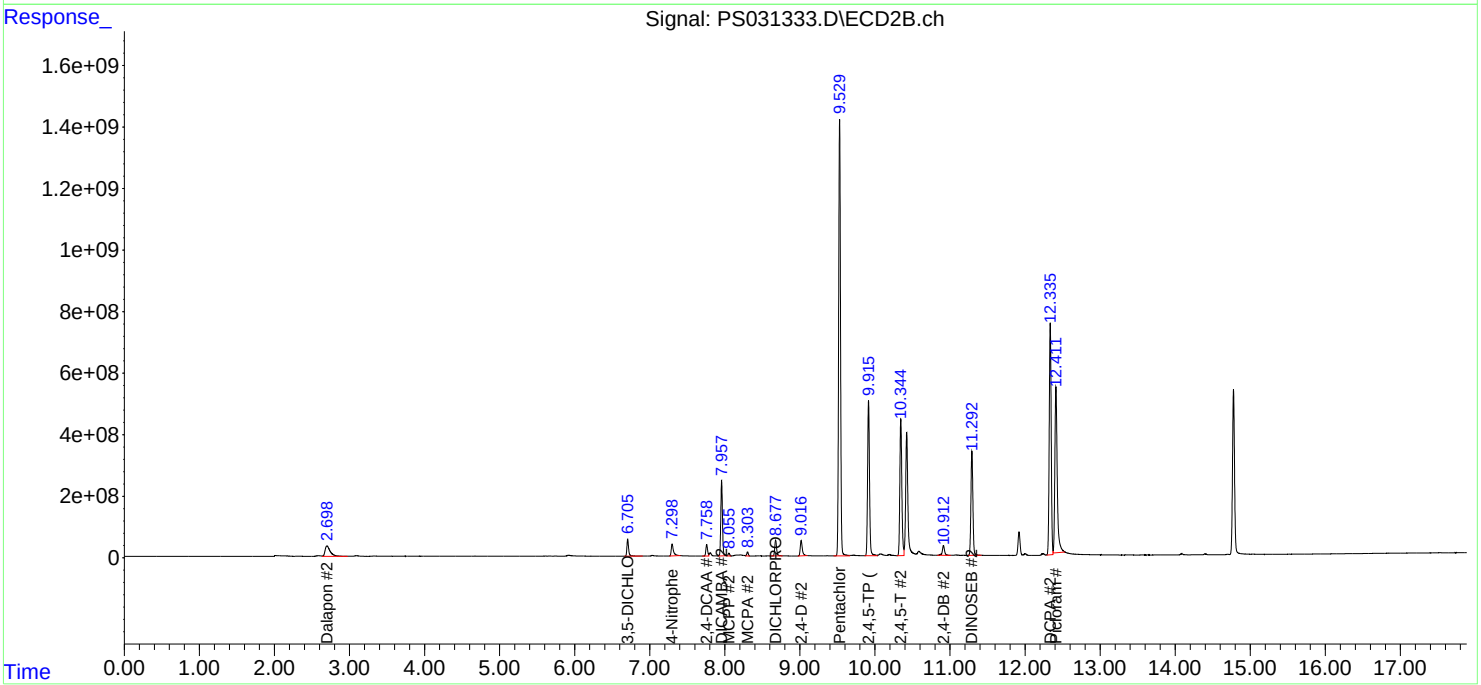
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:45
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

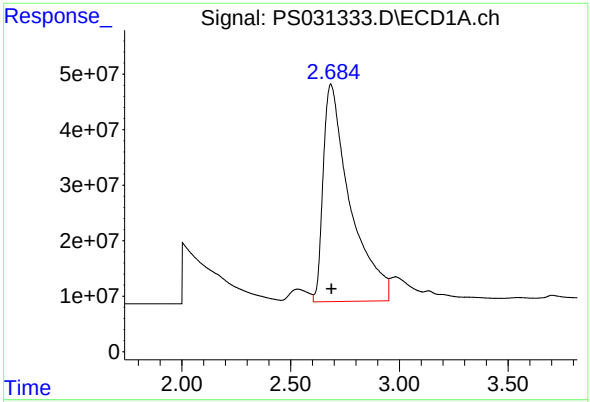
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



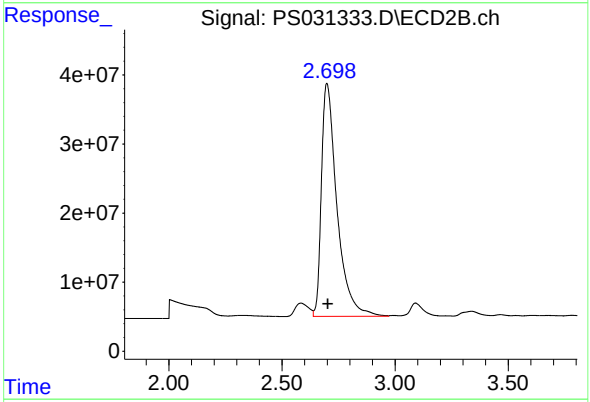




#1 Dalapon

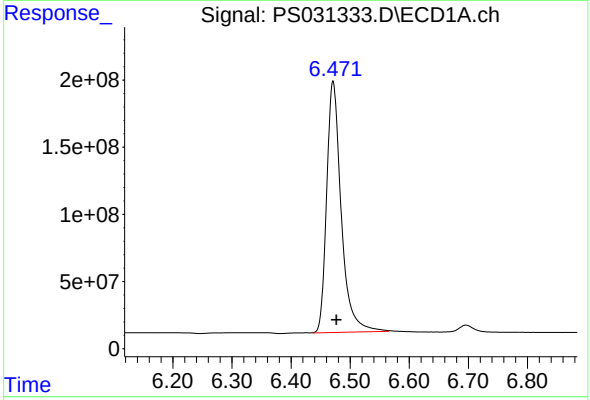
R.T.: 2.684 min
Delta R.T.: -0.003 min
Response: 3363623897
Conc: 697.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



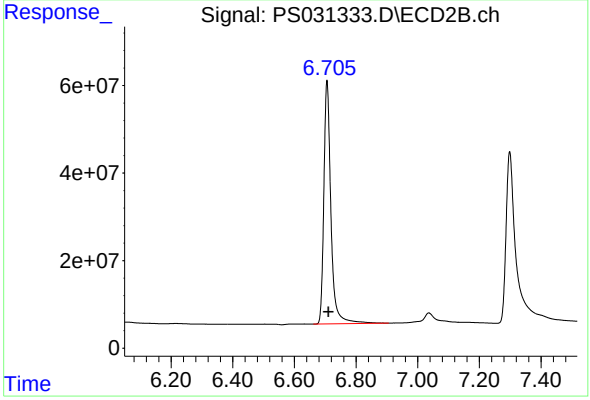
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: -0.005 min
Response: 1611617290
Conc: 656.15 ng/ml



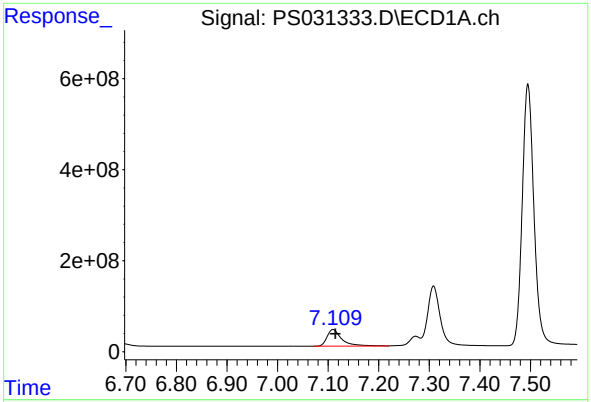
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.471 min
Delta R.T.: -0.006 min
Response: 3197457460
Conc: 750.06 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

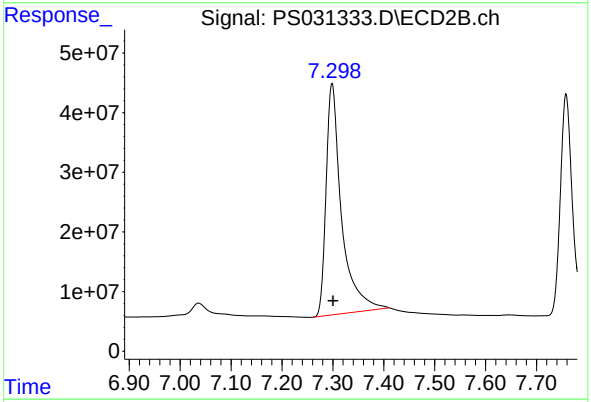
R.T.: 6.706 min
Delta R.T.: -0.005 min
Response: 886124785
Conc: 685.71 ng/ml



#3 4-Nitrophenol

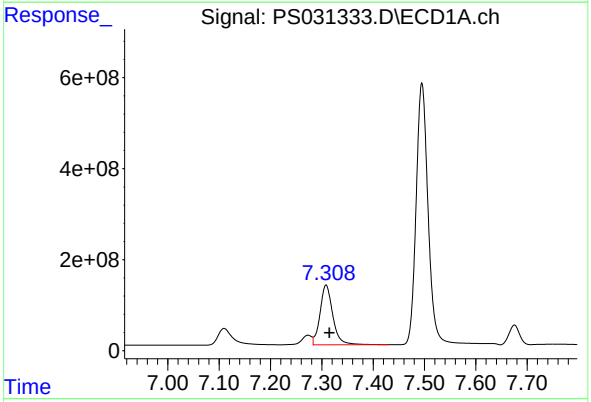
R.T.: 7.110 min
Delta R.T.: -0.005 min
Response: 752075128
Conc: 738.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



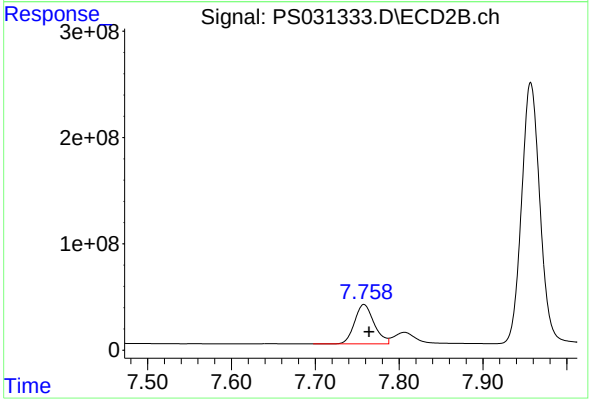
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.002 min
Response: 821976035
Conc: 636.74 ng/ml



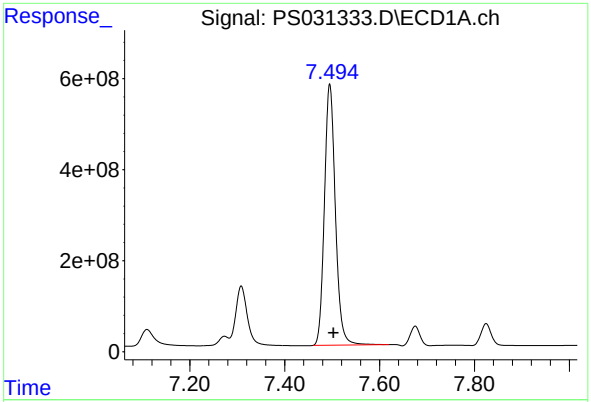
#4 2,4-DCAA

R.T.: 7.308 min
Delta R.T.: -0.006 min
Response: 2269943648
Conc: 779.14 ng/ml



#4 2,4-DCAA

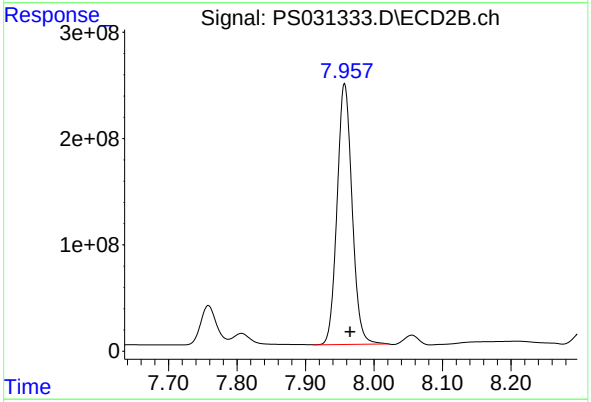
R.T.: 7.758 min
Delta R.T.: -0.006 min
Response: 598885207
Conc: 717.16 ng/ml



#5 DICAMBA

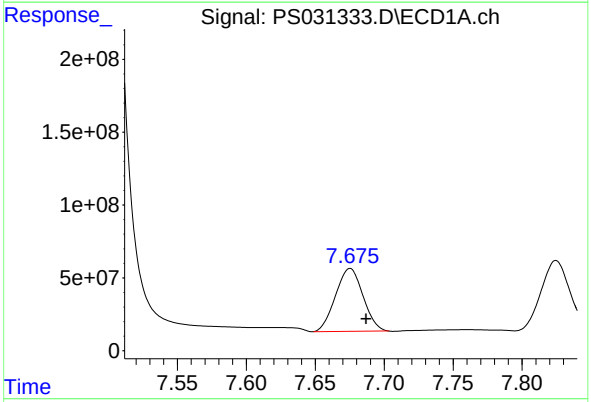
R.T.: 7.495 min
Delta R.T.: -0.008 min
Response: 9192059101
Conc: 711.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



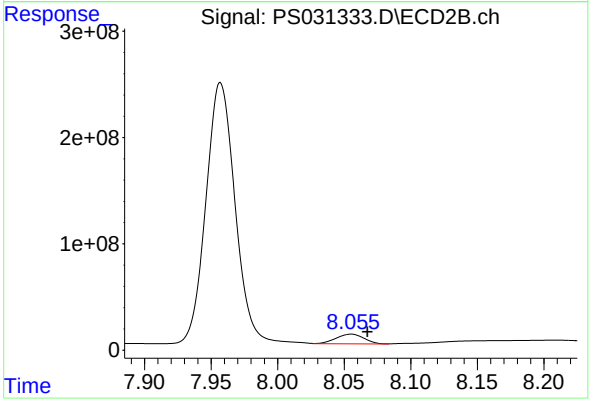
#5 DICAMBA

R.T.: 7.957 min
Delta R.T.: -0.008 min
Response: 3730691358
Conc: 688.21 ng/ml m



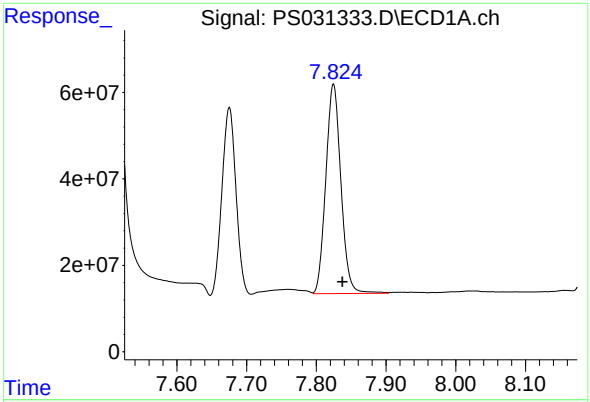
#6 MCPP

R.T.: 7.675 min
Delta R.T.: -0.012 min
Response: 599757525
Conc: 74.57 ug/ml m



#6 MCPP

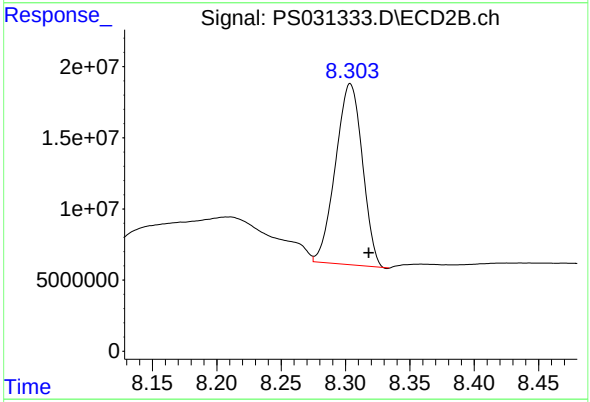
R.T.: 8.055 min
Delta R.T.: -0.013 min
Response: 131538688
Conc: 76.95 ug/ml m



#7 MCPA

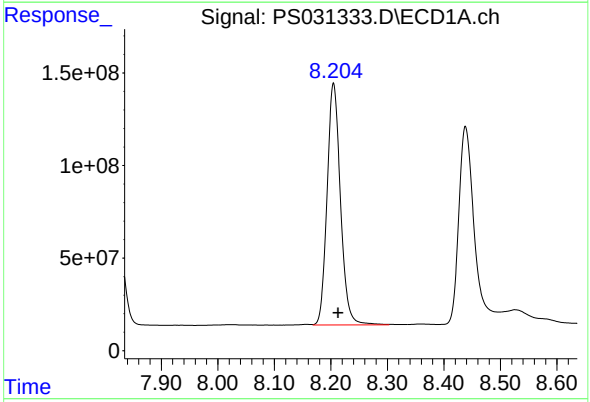
R.T.: 7.825 min
Delta R.T.: -0.013 min
Response: 730704772
Conc: 74.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



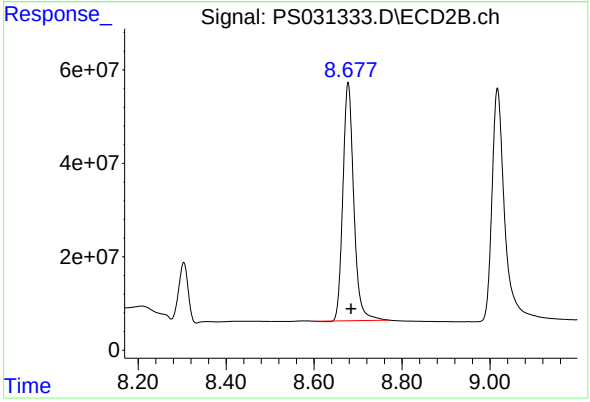
#7 MCPA

R.T.: 8.304 min
Delta R.T.: -0.014 min
Response: 185083793
Conc: 71.35 ug/ml



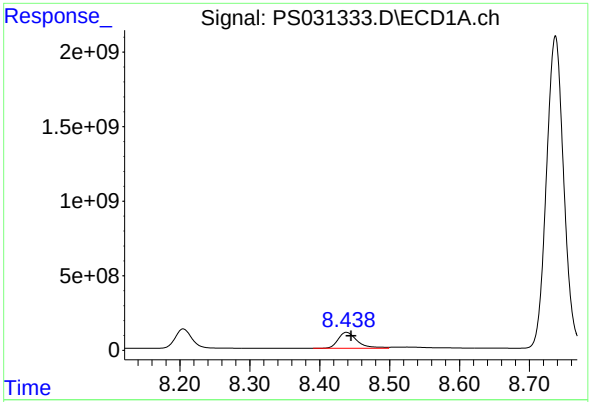
#8 DICHLORPROP

R.T.: 8.205 min
Delta R.T.: -0.008 min
Response: 2145047717
Conc: 705.60 ng/ml



#8 DICHLORPROP

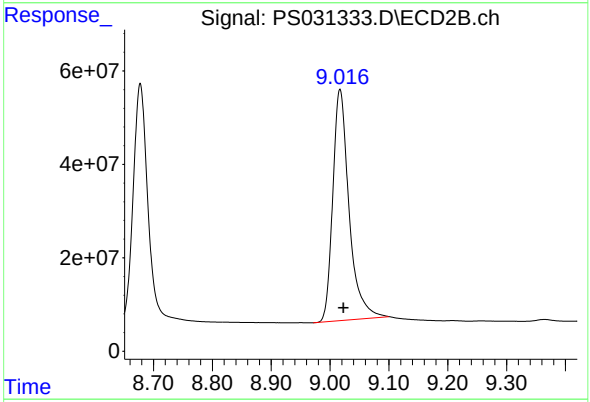
R.T.: 8.678 min
Delta R.T.: -0.007 min
Response: 874774338
Conc: 672.87 ng/ml



#9 2,4-D

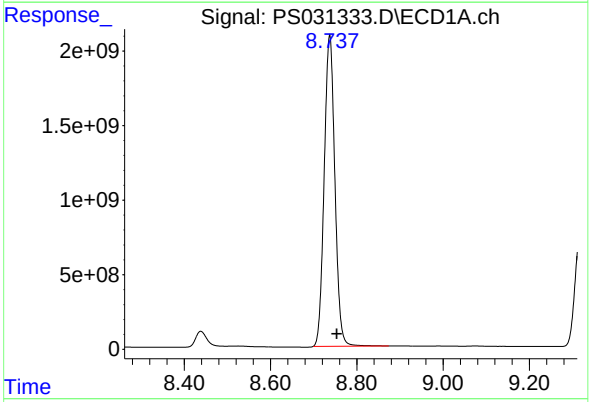
R.T.: 8.438 min
Delta R.T.: -0.007 min
Response: 2037044502
Conc: 785.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



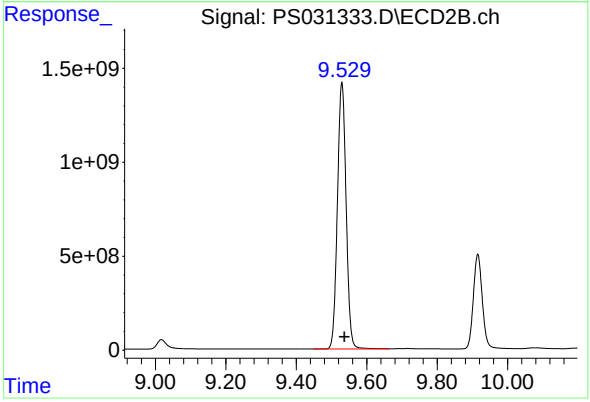
#9 2,4-D

R.T.: 9.017 min
Delta R.T.: -0.006 min
Response: 952632056
Conc: 682.63 ng/ml



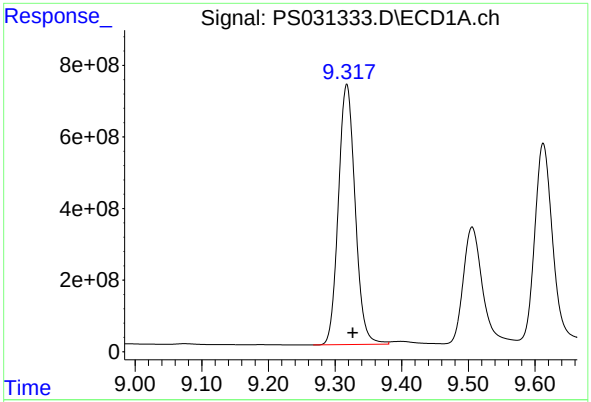
#10 Pentachlorophenol

R.T.: 8.737 min
Delta R.T.: -0.017 min
Response: 35833612807
Conc: 787.92 ng/ml



#10 Pentachlorophenol

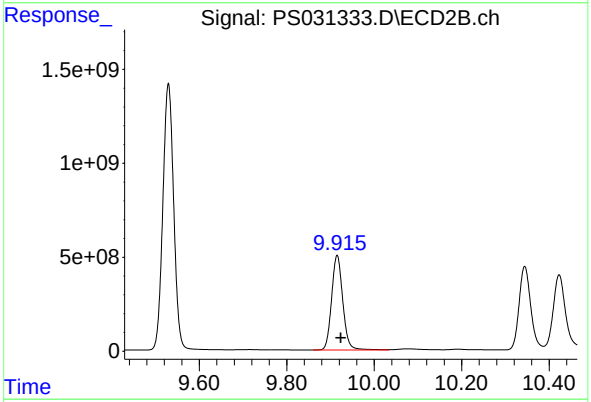
R.T.: 9.529 min
Delta R.T.: -0.008 min
Response: 24399860015
Conc: 728.43 ng/ml



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

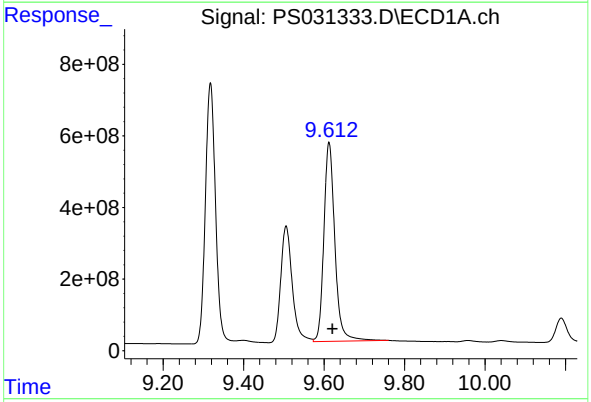
R.T.: 9.318 min
Delta R.T.: -0.009 min
Response: 12686543588
Conc: 761.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



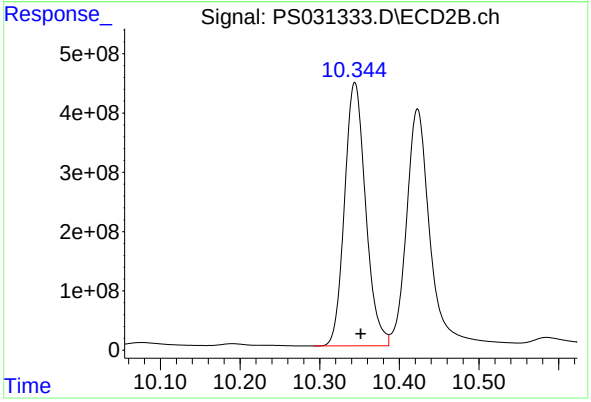
#11 2,4,5-TP (SILVEX)

R.T.: 9.915 min
Delta R.T.: -0.009 min
Response: 8925605339
Conc: 702.65 ng/ml



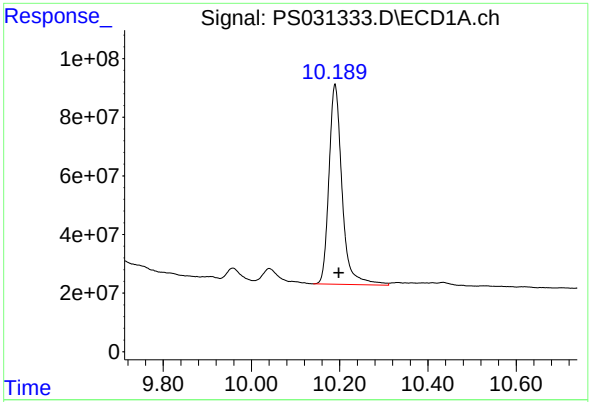
#12 2,4,5-T

R.T.: 9.612 min
Delta R.T.: -0.009 min
Response: 10553261215
Conc: 793.43 ng/ml



#12 2,4,5-T

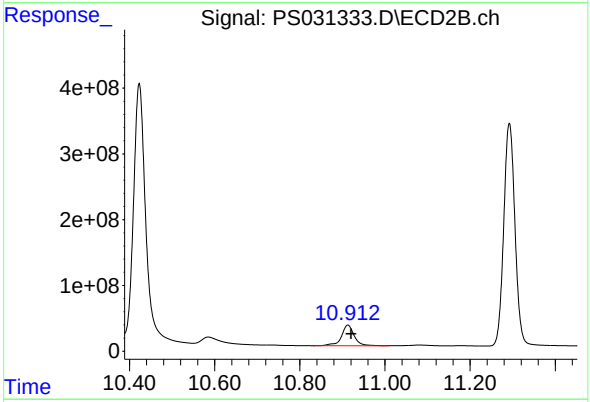
R.T.: 10.344 min
Delta R.T.: -0.007 min
Response: 8182113117
Conc: 701.44 ng/ml



#13 2,4-DB

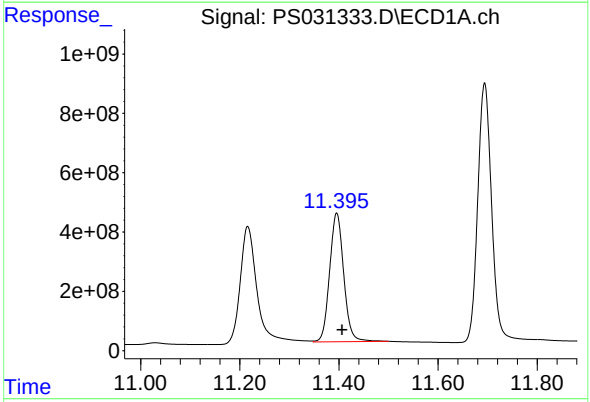
R.T.: 10.189 min
Delta R.T.: -0.009 min
Response: 1403977508
Conc: 803.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



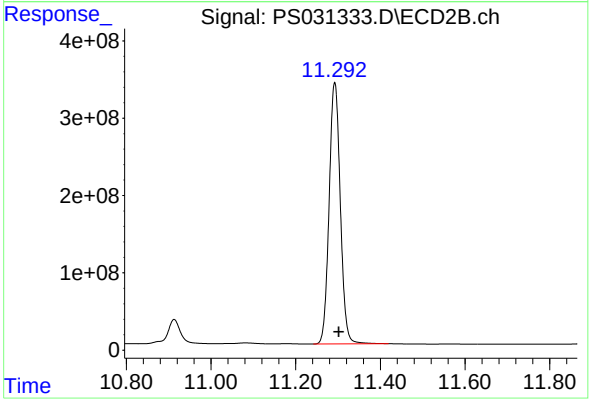
#13 2,4-DB

R.T.: 10.913 min
Delta R.T.: -0.008 min
Response: 658697027
Conc: 681.98 ng/ml



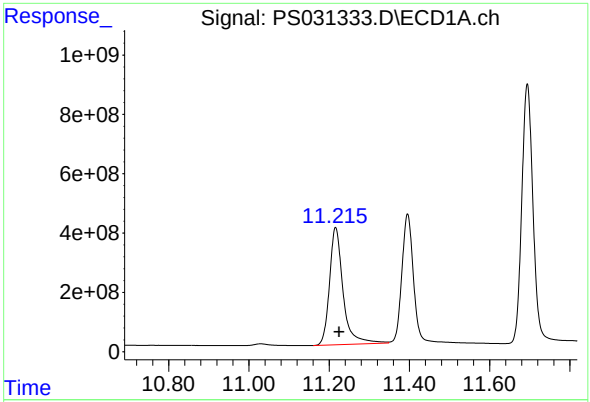
#14 DINOSEB

R.T.: 11.396 min
Delta R.T.: -0.011 min
Response: 8567706114
Conc: 747.39 ng/ml



#14 DINOSEB

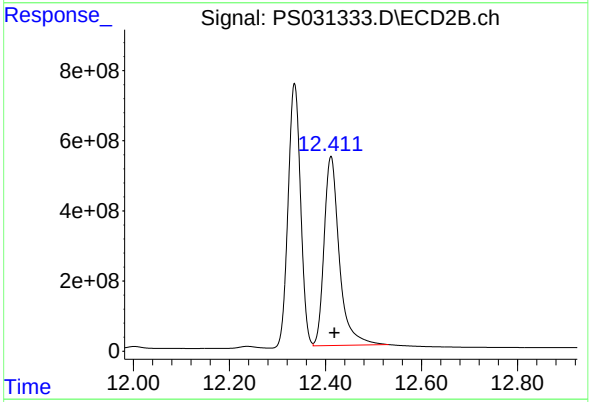
R.T.: 11.292 min
Delta R.T.: -0.010 min
Response: 6202999181
Conc: 664.14 ng/ml



#15 Picloram

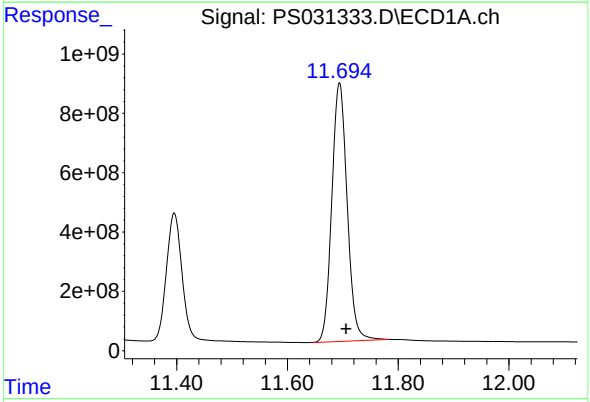
R.T.: 11.215 min
Delta R.T.: -0.010 min
Response: 9320138653
Conc: 795.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



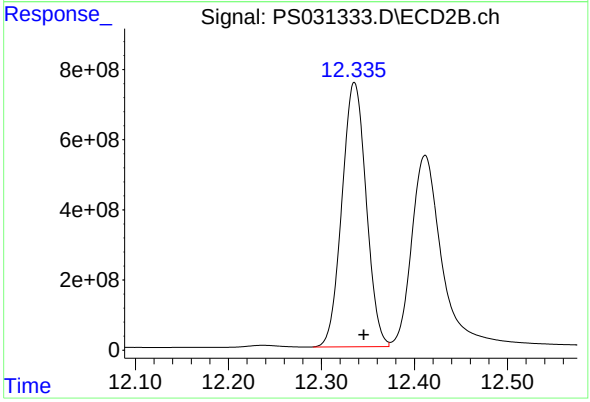
#15 Picloram

R.T.: 12.411 min
Delta R.T.: -0.007 min
Response: 11860829020
Conc: 693.82 ng/ml



#16 DCPA

R.T.: 11.694 min
Delta R.T.: -0.012 min
Response: 16776285517
Conc: 809.04 ng/ml m



#16 DCPA

R.T.: 12.335 min
Delta R.T.: -0.011 min
Response: 13628244006
Conc: 730.67 ng/ml m

Raw Data: **PS031336.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 12:00 **Initial Calibration Time(s):** 16:30 18:07

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.49	7.50	7.40	7.60	0.01
2,4-DCAA	7.31	7.32	7.22	7.42	0.01
Dalapon	2.69	2.69	2.59	2.79	0.01
DICHLORPROP	8.20	8.21	8.11	8.31	0.01
2,4-D	8.44	8.45	8.35	8.55	0.01
2,4,5-TP(Silvex)	9.32	9.33	9.23	9.43	0.02
2,4,5-T	9.61	9.62	9.52	9.72	0.01
2,4-DB	10.19	10.20	10.10	10.30	0.01
Dinoseb	11.39	11.41	11.31	11.51	0.02

Raw Data: **PS031336.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Continuing Calib Date: 07/31/2025 **Initial Calibration Date(s):** 07/29/2025 07/29/2025

Continuing Calib Time: 12:00 **Initial Calibration Time(s):** 16:30 18:07

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	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00
2,4,5-T	10.34	10.35	10.25	10.45	0.01
2,4-DB	10.91	10.92	10.82	11.02	0.01
Dinoseb	11.29	11.30	11.20	11.40	0.01

Raw Data: **PS031336.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL10 **Date Analyzed:** 07/31/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031336.D **Time Analyzed:** 12:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.611	9.521	9.721	779.930	712.500	9.5
2,4,5-TP(Silvex)	9.315	9.227	9.427	745.440	712.500	4.6
2,4-D	8.436	8.346	8.546	738.480	705.000	4.7
2,4-DB	10.186	10.099	10.299	791.100	712.500	11.0
2,4-DCAA	7.306	7.215	7.415	766.150	750.000	2.2
Dalapon	2.685	2.591	2.791	668.790	682.500	-2.0
DICAMBA	7.494	7.403	7.603	695.060	705.000	-1.4
DICHLORPROP	8.203	8.113	8.313	694.410	705.000	-1.5
Dinoseb	11.393	11.307	11.507	684.250	705.000	-2.9

Raw Data: **PS031336.D**

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/29/2025 07/29/2025

Client Sample No.: CCAL10 **Date Analyzed:** 07/31/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031336.D **Time Analyzed:** 12:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.344	10.252	10.452	693.100	712.500	-2.7
2,4,5-TP(Silvex)	9.916	9.824	10.024	692.060	712.500	-2.9
2,4-D	9.018	8.925	9.125	670.620	705.000	-4.9
2,4-DB	10.913	10.822	11.022	671.310	712.500	-5.8
2,4-DCAA	7.760	7.666	7.866	708.740	750.000	-5.5
Dalapon	2.702	2.603	2.803	636.760	682.500	-6.7
DICAMBA	7.958	7.865	8.065	683.820	705.000	-3.0
DICHLORPROP	8.679	8.585	8.785	664.180	705.000	-5.8
Dinoseb	11.293	11.202	11.402	613.190	705.000	-13.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:00
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 31 14:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.306	7.760	2232.1E6	591.9E6	766.155	708.744
		Target Compounds						
1)	T	Dalapon	2.685	2.702	3226.6E6	1564.0E6	668.788	636.763
2)	T	3,5-DICHL...	6.470	6.708	3109.1E6	872.6E6	729.339m	675.244
3)	T	4-Nitroph...	7.108	7.300	723.5E6	785.9E6	710.559	608.793
5)	T	DICAMBA	7.494	7.958	8980.6E6	3706.9E6	695.060	683.818m
6)	T	MCPP	7.673	8.056	593.1E6	124.9E6	73.742m	73.085m
7)	T	MCPA	7.823	8.305	718.3E6	186.0E6	73.481	71.707
8)	T	DICHLORPROP	8.203	8.679	2111.0E6	863.5E6	694.405	664.181
9)	T	2,4-D	8.436	9.018	1915.1E6	935.9E6	738.482	670.624
10)	T	Pentachlo...	8.735	9.531	34802.0E6	24018.6E6	765.237	717.050
11)	T	2,4,5-TP ...	9.315	9.916	12420.0E6	8791.1E6	745.441	692.061
12)	T	2,4,5-T	9.611	10.344	10373.7E6	8084.8E6	779.931	693.099
13)	T	2,4-DB	10.186	10.913	1382.2E6	648.4E6	791.098	671.313
14)	T	DINOSEB	11.393	11.293	7844.0E6	5727.1E6	684.254	613.188
15)	T	Picloram	11.212	12.411	9020.3E6	11757.3E6	770.328m	687.763
16)	T	DCPA	11.691	12.335	16385.5E6	13474.7E6	790.192m	722.437m

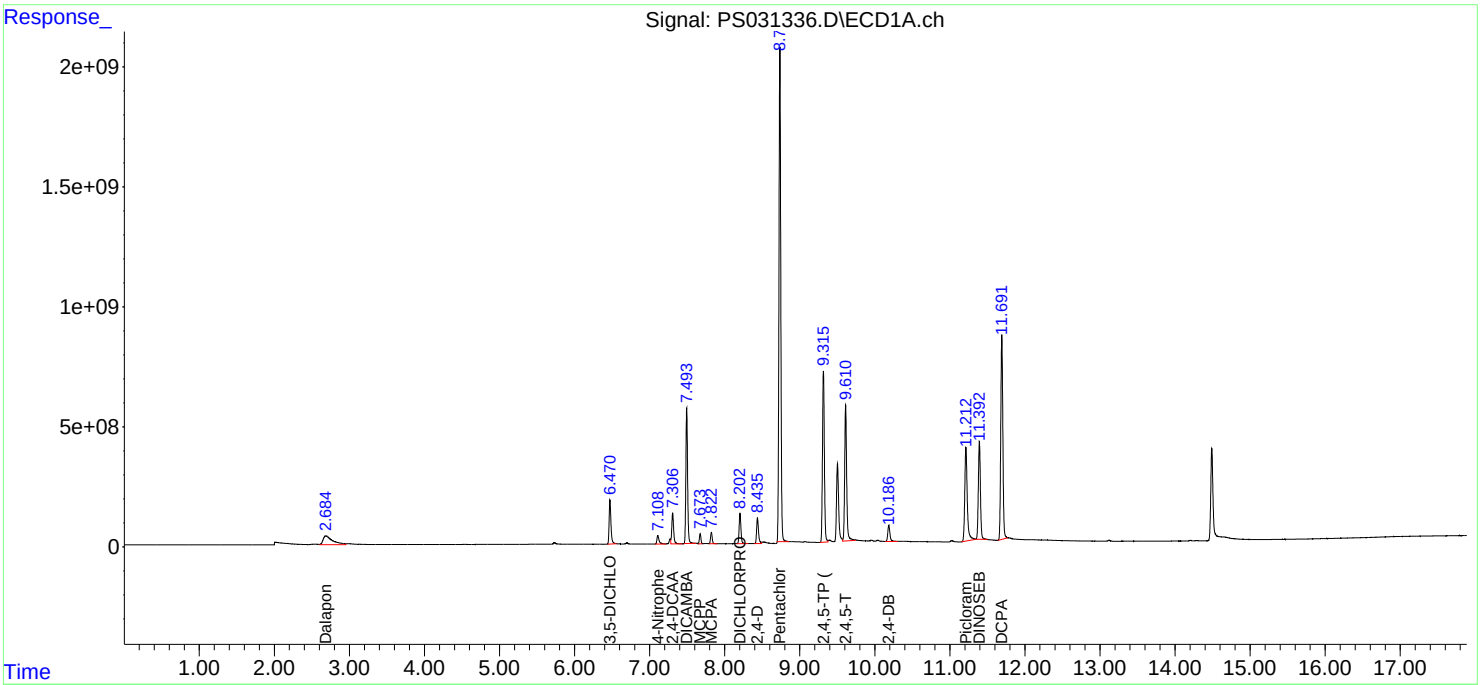
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

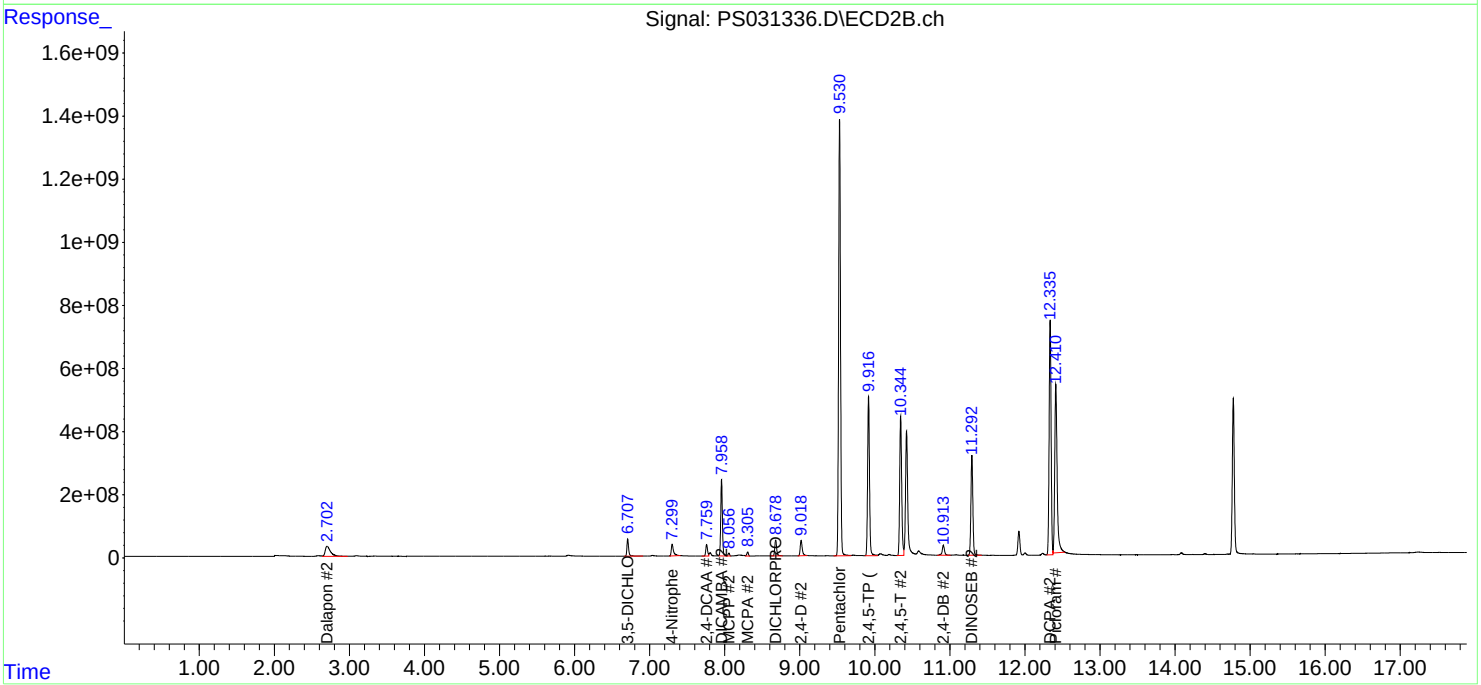
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:00
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

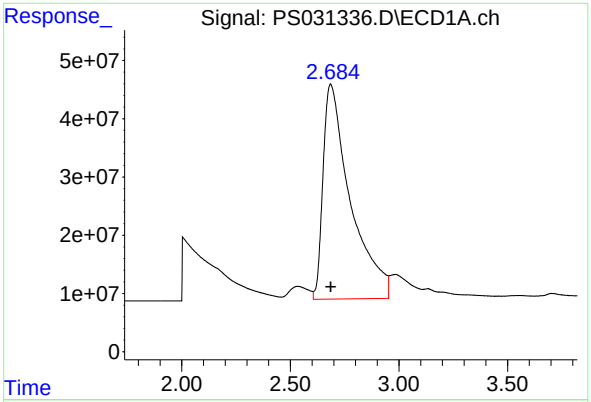
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



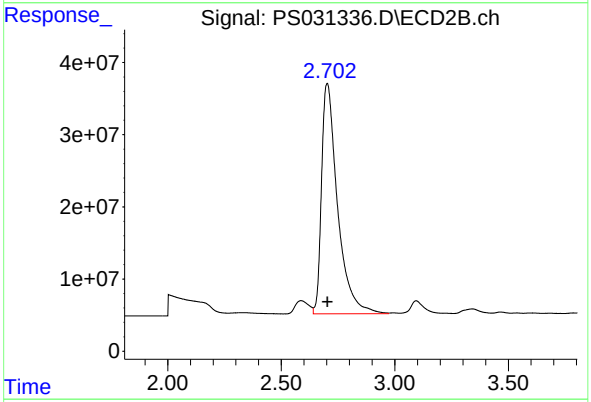




#1 Dalapon

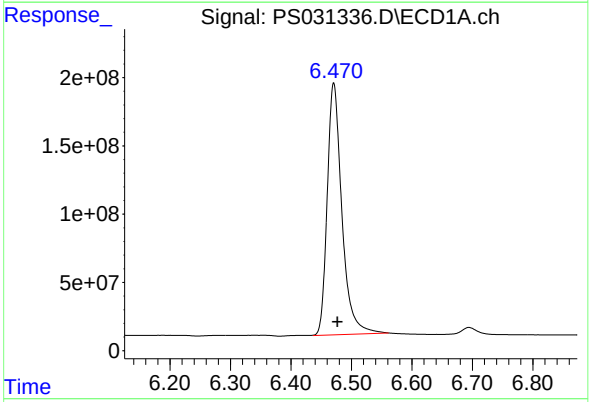
R.T.: 2.685 min
Delta R.T.: -0.002 min
Response: 3226607247
Conc: 668.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



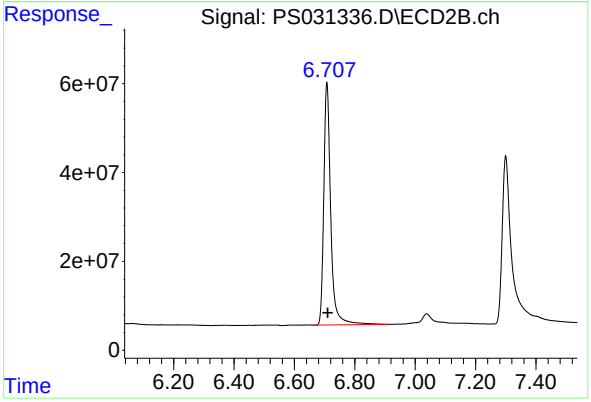
#1 Dalapon

R.T.: 2.702 min
Delta R.T.: 0.000 min
Response: 1564007004
Conc: 636.76 ng/ml



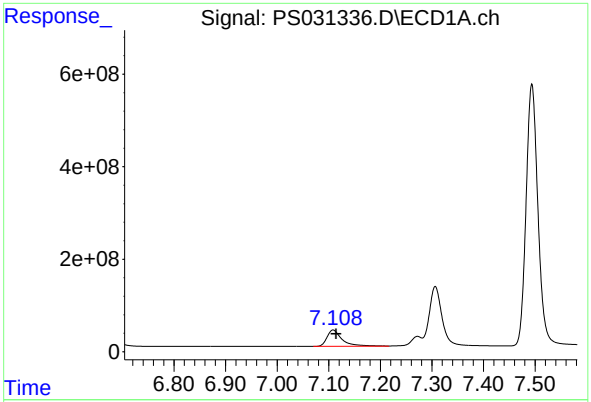
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.470 min
Delta R.T.: -0.007 min
Response: 3109122915
Conc: 729.34 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

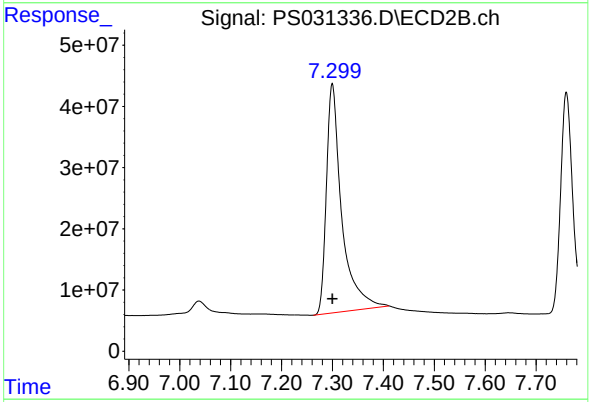
R.T.: 6.708 min
Delta R.T.: -0.003 min
Response: 872597798
Conc: 675.24 ng/ml



#3 4-Nitrophenol

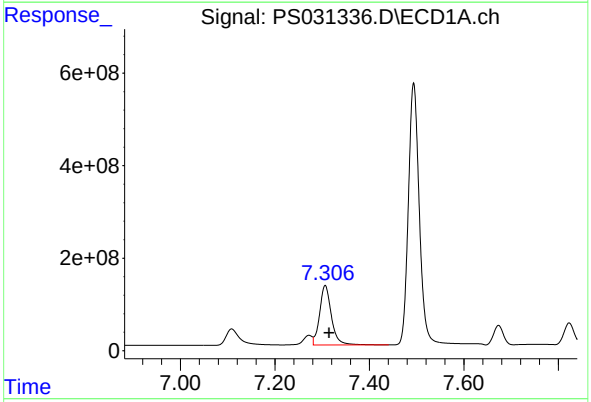
R.T.: 7.108 min
Delta R.T.: -0.006 min
Response: 723491470
Conc: 710.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



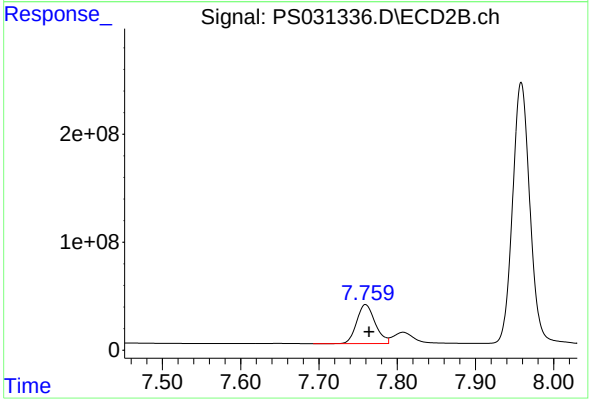
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 785897842
Conc: 608.79 ng/ml



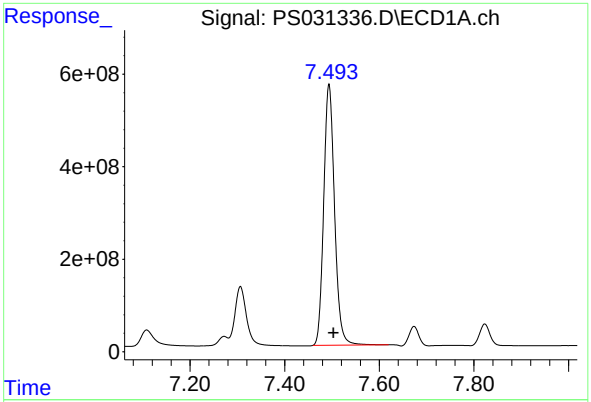
#4 2,4-DCAA

R.T.: 7.306 min
Delta R.T.: -0.008 min
Response: 2232118378
Conc: 766.15 ng/ml



#4 2,4-DCAA

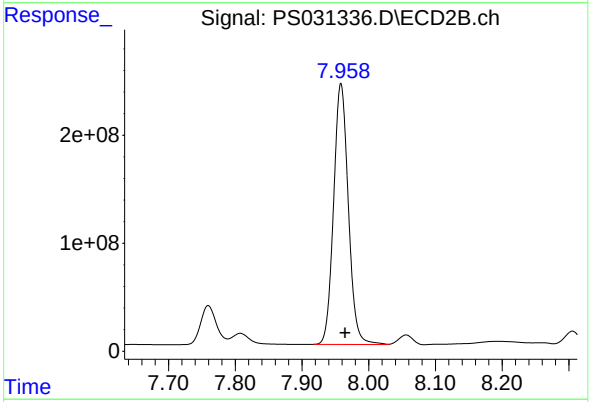
R.T.: 7.760 min
Delta R.T.: -0.005 min
Response: 591858447
Conc: 708.74 ng/ml



#5 DICAMBA

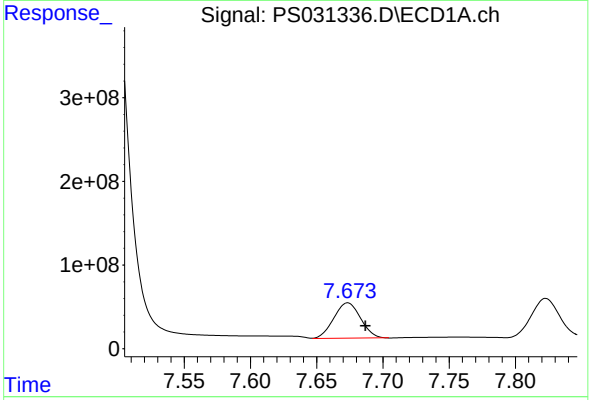
R.T.: 7.494 min
Delta R.T.: -0.009 min
Response: 8980592694
Conc: 695.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



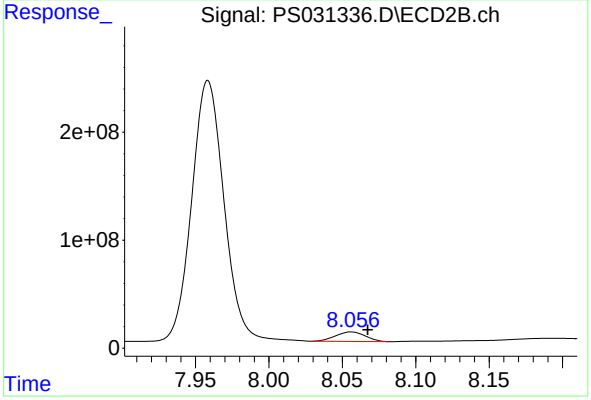
#5 DICAMBA

R.T.: 7.958 min
Delta R.T.: -0.007 min
Response: 3706873154
Conc: 683.82 ng/ml m



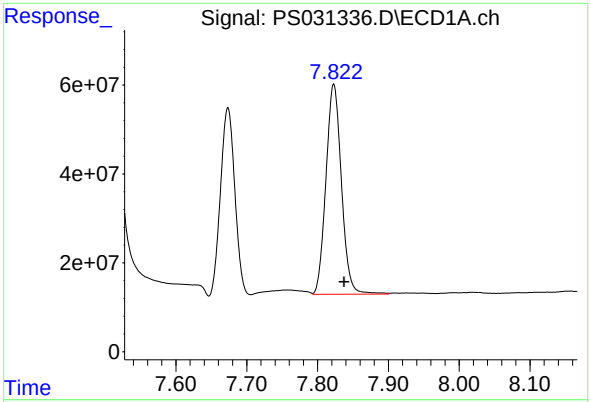
#6 MCPP

R.T.: 7.673 min
Delta R.T.: -0.014 min
Response: 593085804
Conc: 73.74 ug/ml m



#6 MCPP

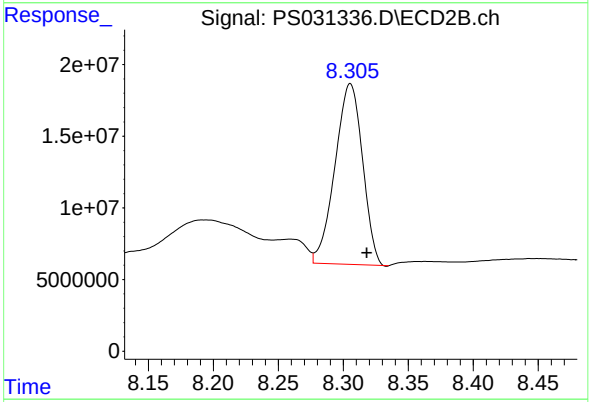
R.T.: 8.056 min
Delta R.T.: -0.012 min
Response: 124930392
Conc: 73.09 ug/ml m



#7 MCPA

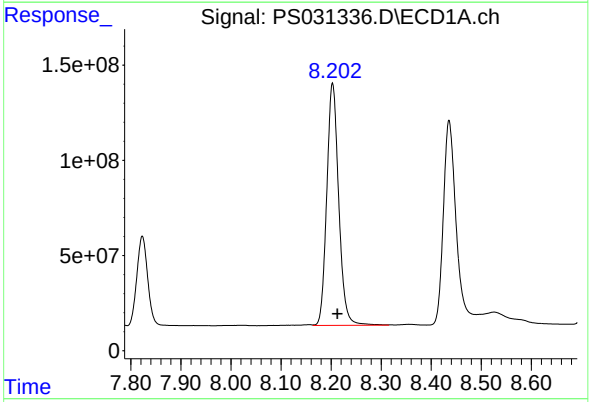
R.T.: 7.823 min
Delta R.T.: -0.015 min
Response: 718345293
Conc: 73.48 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



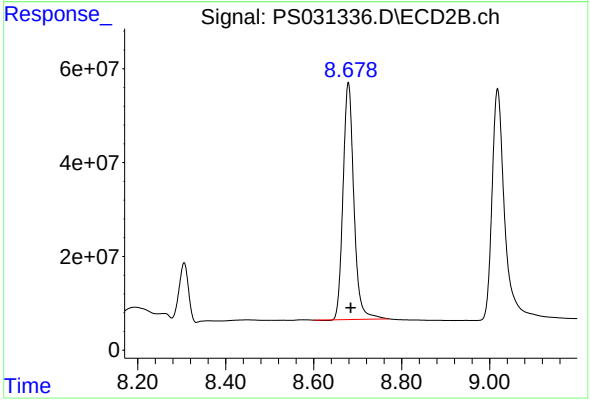
#7 MCPA

R.T.: 8.305 min
Delta R.T.: -0.013 min
Response: 186005819
Conc: 71.71 ug/ml



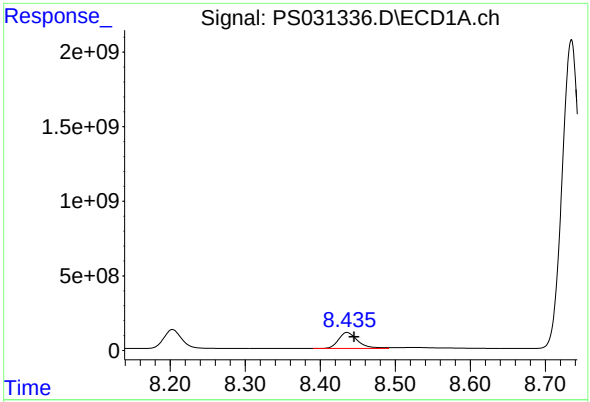
#8 DICHLORPROP

R.T.: 8.203 min
Delta R.T.: -0.010 min
Response: 2110999689
Conc: 694.41 ng/ml



#8 DICHLORPROP

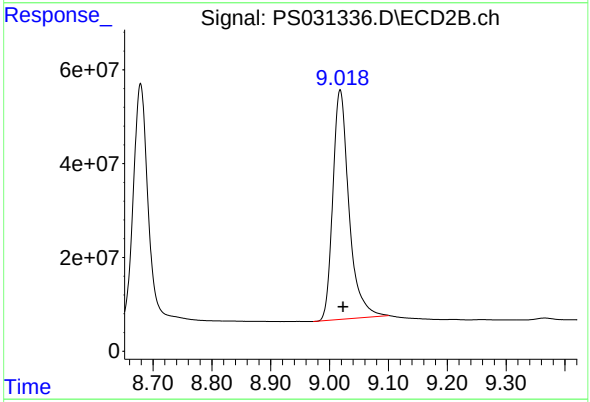
R.T.: 8.679 min
Delta R.T.: -0.006 min
Response: 863473357
Conc: 664.18 ng/ml



#9 2,4-D

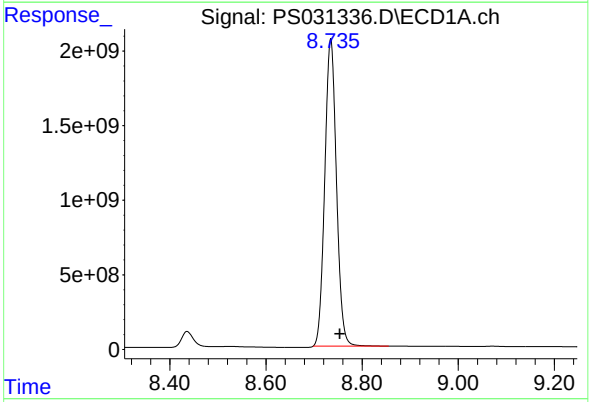
R.T.: 8.436 min
Delta R.T.: -0.009 min
Response: 1915135362
Conc: 738.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



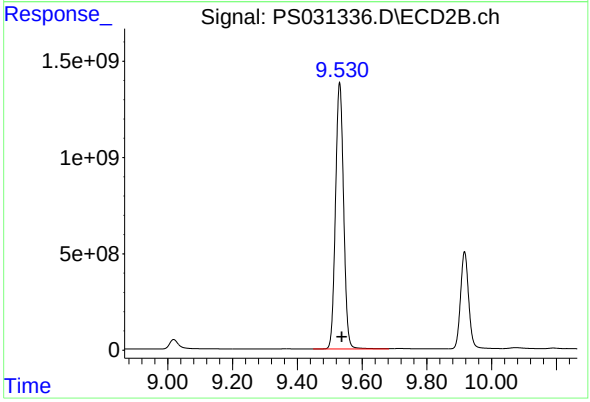
#9 2,4-D

R.T.: 9.018 min
Delta R.T.: -0.005 min
Response: 935876548
Conc: 670.62 ng/ml



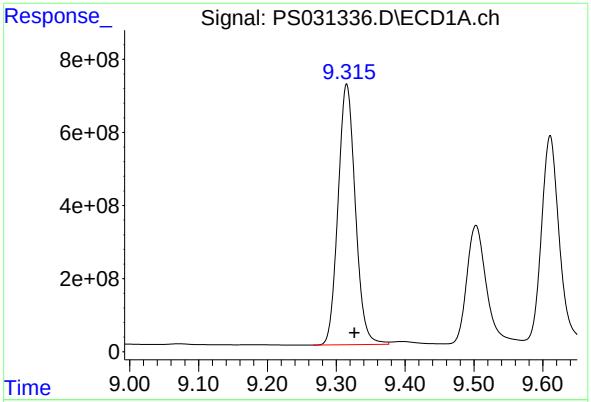
#10 Pentachlorophenol

R.T.: 8.735 min
Delta R.T.: -0.019 min
Response: 34802018500
Conc: 765.24 ng/ml



#10 Pentachlorophenol

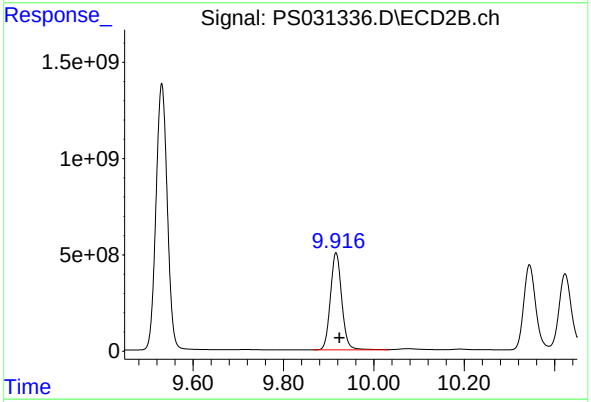
R.T.: 9.531 min
Delta R.T.: -0.006 min
Response: 24018590559
Conc: 717.05 ng/ml



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

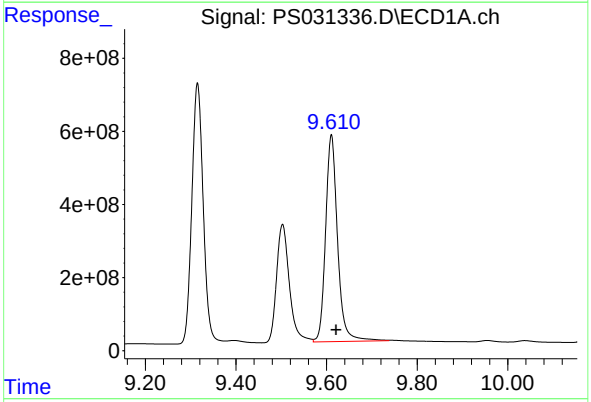
R.T.: 9.315 min
Delta R.T.: -0.011 min
Response: 12419977099
Conc: 745.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



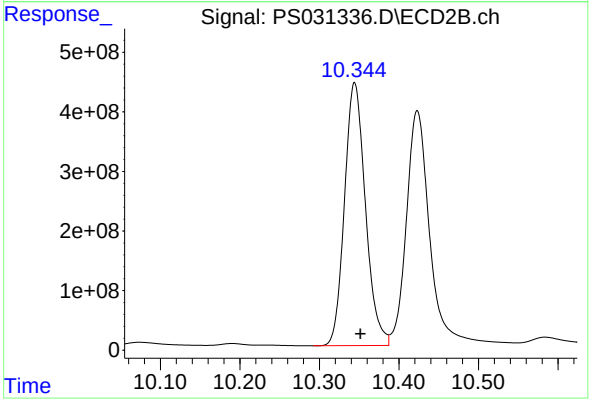
#11 2,4,5-TP (SILVEX)

R.T.: 9.916 min
Delta R.T.: -0.007 min
Response: 8791112899
Conc: 692.06 ng/ml



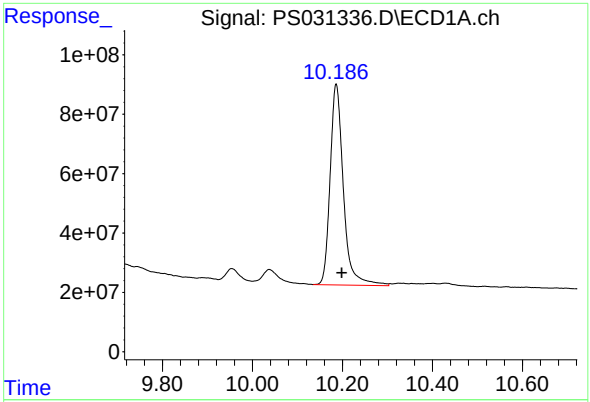
#12 2,4,5-T

R.T.: 9.611 min
Delta R.T.: -0.010 min
Response: 10373653412
Conc: 779.93 ng/ml



#12 2,4,5-T

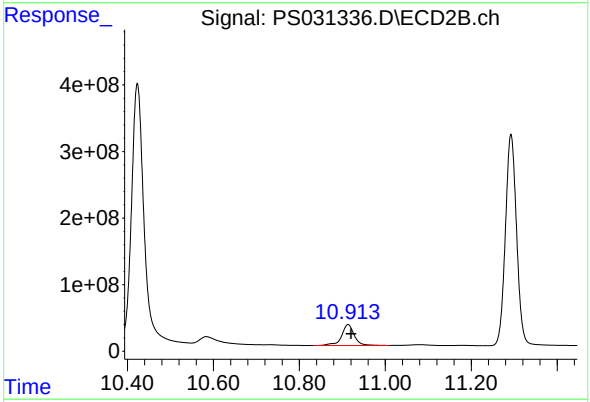
R.T.: 10.344 min
Delta R.T.: -0.007 min
Response: 8084774139
Conc: 693.10 ng/ml



#13 2,4-DB

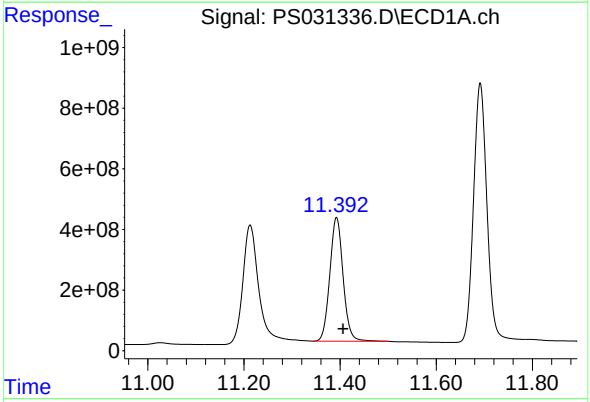
R.T.: 10.186 min
Delta R.T.: -0.012 min
Response: 1382249731
Conc: 791.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



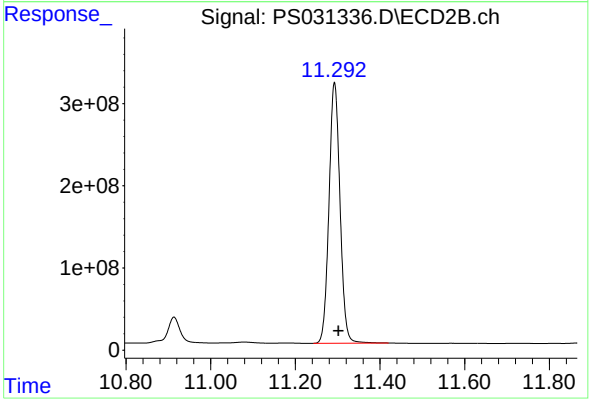
#13 2,4-DB

R.T.: 10.913 min
Delta R.T.: -0.007 min
Response: 648391087
Conc: 671.31 ng/ml



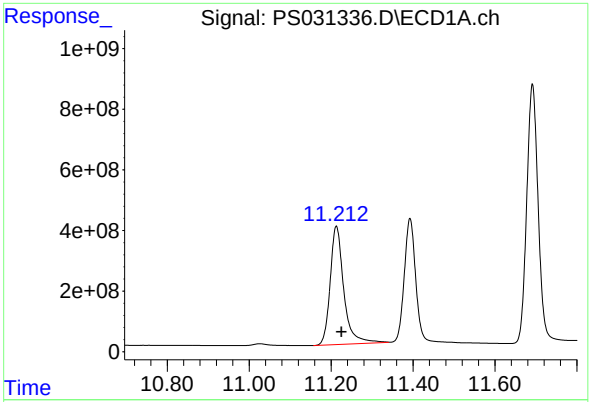
#14 DINOSEB

R.T.: 11.393 min
Delta R.T.: -0.014 min
Response: 7843978693
Conc: 684.25 ng/ml



#14 DINOSEB

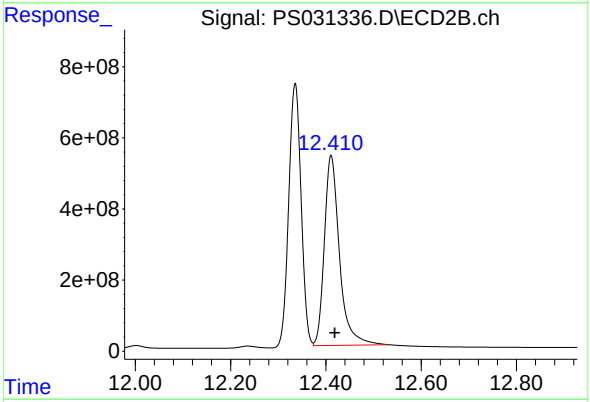
R.T.: 11.293 min
Delta R.T.: -0.010 min
Response: 5727136841
Conc: 613.19 ng/ml



#15 Picloram

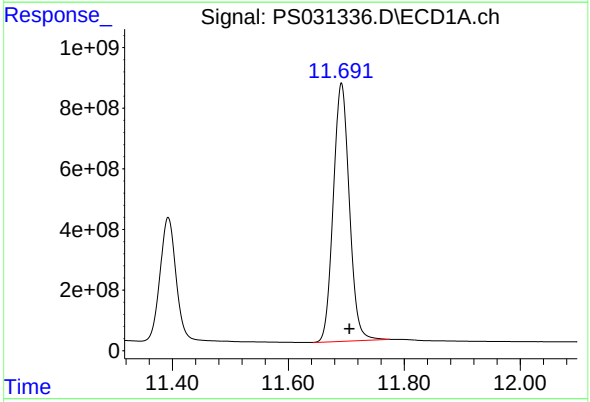
R.T.: 11.212 min
Delta R.T.: -0.013 min
Response: 9020259916
Conc: 770.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



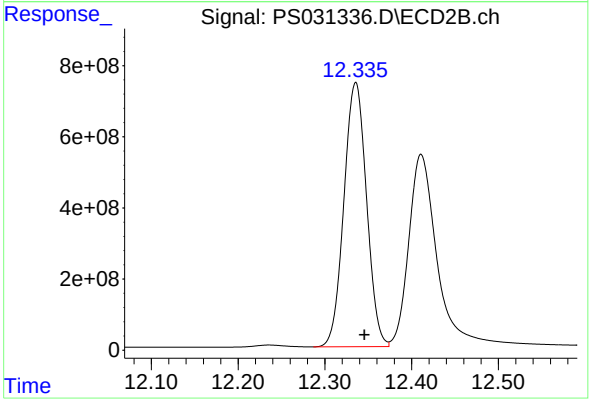
#15 Picloram

R.T.: 12.411 min
Delta R.T.: -0.008 min
Response: 11757252512
Conc: 687.76 ng/ml



#16 DCPA

R.T.: 11.691 min
Delta R.T.: -0.015 min
Response: 16385521460
Conc: 790.19 ng/ml m



#16 DCPA

R.T.: 12.335 min
Delta R.T.: -0.010 min
Response: 13474723250
Conc: 722.44 ng/ml m

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2639

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

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

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	07/21/2025	14:38	PS031156.D	7.33	0.00
HSTDICC200	HSTDICC200	07/21/2025	15:02	PS031157.D	7.33	0.00
HSTDICC500	HSTDICC500	07/21/2025	15:26	PS031158.D	7.33	0.00
HSTDICC750	HSTDICC750	07/21/2025	15:51	PS031159.D	7.33	0.00
HSTDICC1000	HSTDICC1000	07/21/2025	16:15	PS031160.D	7.33	0.00
HSTDICC1500	HSTDICC1500	07/21/2025	16:39	PS031161.D	7.33	0.00
I.BLK	I.BLK	07/23/2025	09:26	PS031179.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	09:50	PS031180.D	7.32	0.00
PB168945BL	PB168945BL	07/23/2025	10:33	PS031181.D	7.32	0.00
PB168945BS	PB168945BS	07/23/2025	10:57	PS031182.D	7.32	0.00
I.BLK	I.BLK	07/23/2025	14:38	PS031191.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	15:03	PS031192.D	7.32	0.00
I.BLK	I.BLK	07/23/2025	22:03	PS031209.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	22:27	PS031210.D	7.32	0.00
OU4-TS-41-071725	Q2639-07	07/24/2025	00:04	PS031214.D	7.32	0.00
OU4-TS-42-071725	Q2639-09	07/24/2025	00:28	PS031215.D	7.32	0.00
OU4-TS-43-071725	Q2639-11	07/24/2025	00:52	PS031216.D	7.32	0.00
OU4-TS-44-071725	Q2639-13	07/24/2025	01:17	PS031217.D	7.32	0.00
I.BLK	I.BLK	07/24/2025	01:41	PS031218.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	02:05	PS031219.D	7.32	0.00
I.BLK	I.BLK	07/24/2025	10:35	PS031221.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	12:03	PS031222.D	7.32	0.00
OU4-TS-36-071725MS	Q2638-11MS	07/24/2025	14:08	PS031224.D	7.32	0.00
OU4-TS-36-071725MSD	Q2638-11MSD	07/24/2025	14:38	PS031225.D	7.32	0.00
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
I.BLK	I.BLK	07/29/2025	16:06	PS031274.D	7.32	0.00
HSTDICC200	HSTDICC200	07/29/2025	16:30	PS031275.D	7.32	0.00
HSTDICC500	HSTDICC500	07/29/2025	16:54	PS031276.D	7.32	0.00
HSTDICC750	HSTDICC750	07/29/2025	17:18	PS031277.D	7.32	0.00
HSTDICC1000	HSTDICC1000	07/29/2025	17:42	PS031278.D	7.32	0.00
HSTDICC1500	HSTDICC1500	07/29/2025	18:07	PS031279.D	7.32	0.00
I.BLK	I.BLK	07/30/2025	16:02	PS031320.D	7.31	0.00
HSTDCCC750	HSTDCCC750	07/30/2025	16:26	PS031321.D	7.31	0.00
OU4-TS-38-071725	Q2639-01	07/30/2025	17:15	PS031323.D	7.31	0.00
OU4-TS-39-071725	Q2639-03	07/30/2025	17:39	PS031324.D	7.31	0.00
OU4-TS-42-071725RE	Q2639-09RE	07/30/2025	18:27	PS031326.D	7.31	0.00
OU4-TS-43-071725RE	Q2639-11RE	07/30/2025	18:51	PS031327.D	7.31	0.00
OU4-TS-44-071725RE	Q2639-13RE	07/30/2025	19:15	PS031328.D	7.31	0.00
I.BLK	I.BLK	07/30/2025	19:40	PS031329.D	7.31	0.00
HSTDCCC750	HSTDCCC750	07/30/2025	22:05	PS031330.D	7.31	0.00
I.BLK	I.BLK	07/31/2025	09:00	PS031332.D	7.31	0.00

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Analytical Sequence

HSTDCCC750	HSTDCCC750	07/31/2025	10:45	PS031333.D	7.31	0.00
OU4-TS-40-071725	Q2639-05	07/31/2025	11:12	PS031334.D	7.31	0.00
I.BLK	I.BLK	07/31/2025	11:36	PS031335.D	7.31	0.00
HSTDCCC750	HSTDCCC750	07/31/2025	12:00	PS031336.D	7.31	0.00

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Analytical Sequence

Client: Nobis Group **SDG No.:** Q2639

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

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

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	07/21/2025	14:38	PS031156.D	7.77	0.00
HSTDICC200	HSTDICC200	07/21/2025	15:02	PS031157.D	7.77	0.00
HSTDICC500	HSTDICC500	07/21/2025	15:26	PS031158.D	7.77	0.00
HSTDICC750	HSTDICC750	07/21/2025	15:51	PS031159.D	7.77	0.00
HSTDICC1000	HSTDICC1000	07/21/2025	16:15	PS031160.D	7.77	0.00
HSTDICC1500	HSTDICC1500	07/21/2025	16:39	PS031161.D	7.77	0.00
I.BLK	I.BLK	07/23/2025	09:26	PS031179.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	09:50	PS031180.D	7.77	0.00
PB168945BL	PB168945BL	07/23/2025	10:33	PS031181.D	7.76	0.00
PB168945BS	PB168945BS	07/23/2025	10:57	PS031182.D	7.77	0.00
I.BLK	I.BLK	07/23/2025	14:38	PS031191.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	15:03	PS031192.D	7.76	0.00
I.BLK	I.BLK	07/23/2025	22:03	PS031209.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/23/2025	22:27	PS031210.D	7.76	0.00
OU4-TS-41-071725	Q2639-07	07/24/2025	00:04	PS031214.D	7.77	0.00
OU4-TS-42-071725	Q2639-09	07/24/2025	00:28	PS031215.D	7.77	0.00
OU4-TS-43-071725	Q2639-11	07/24/2025	00:52	PS031216.D	7.77	0.00
OU4-TS-44-071725	Q2639-13	07/24/2025	01:17	PS031217.D	7.77	0.00
I.BLK	I.BLK	07/24/2025	01:41	PS031218.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	02:05	PS031219.D	7.76	0.00
I.BLK	I.BLK	07/24/2025	10:35	PS031221.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/24/2025	12:03	PS031222.D	7.76	0.00
OU4-TS-36-071725MS	Q2638-11MS	07/24/2025	14:08	PS031224.D	7.76	0.00
OU4-TS-36-071725MSD	Q2638-11MSD	07/24/2025	14:38	PS031225.D	7.76	0.00
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
I.BLK	I.BLK	07/29/2025	16:06	PS031274.D	7.77	0.00
HSTDICC200	HSTDICC200	07/29/2025	16:30	PS031275.D	7.77	0.00
HSTDICC500	HSTDICC500	07/29/2025	16:54	PS031276.D	7.77	0.00
HSTDICC750	HSTDICC750	07/29/2025	17:18	PS031277.D	7.77	0.00
HSTDICC1000	HSTDICC1000	07/29/2025	17:42	PS031278.D	7.76	0.00
HSTDICC1500	HSTDICC1500	07/29/2025	18:07	PS031279.D	7.76	0.00
I.BLK	I.BLK	07/30/2025	16:02	PS031320.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/30/2025	16:26	PS031321.D	7.76	0.00
OU4-TS-38-071725	Q2639-01	07/30/2025	17:15	PS031323.D	7.76	0.00
OU4-TS-39-071725	Q2639-03	07/30/2025	17:39	PS031324.D	7.76	0.00
OU4-TS-42-071725RE	Q2639-09RE	07/30/2025	18:27	PS031326.D	7.76	0.00
OU4-TS-43-071725RE	Q2639-11RE	07/30/2025	18:51	PS031327.D	7.76	0.00
OU4-TS-44-071725RE	Q2639-13RE	07/30/2025	19:15	PS031328.D	7.76	0.00
I.BLK	I.BLK	07/30/2025	19:40	PS031329.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/30/2025	22:05	PS031330.D	7.76	0.00
I.BLK	I.BLK	07/31/2025	09:00	PS031332.D	7.76	0.00

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Analytical Sequence

HSTDCCC750	HSTDCCC750	07/31/2025	10:45	PS031333.D	7.76	0.00
OU4-TS-40-071725	Q2639-05	07/31/2025	11:12	PS031334.D	7.76	0.00
I.BLK	I.BLK	07/31/2025	11:36	PS031335.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/31/2025	12:00	PS031336.D	7.76	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-36-071725MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

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

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

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-36-071725MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

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

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

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168945BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

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

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

QC SAMPLE DATA

Raw Data: **PS031181.D**

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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:	PB168945BL	SDG No.:	Q2639
Lab Sample ID:	PB168945BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.033	U	0.0077	0.033	0.067	mg/Kg
75-99-0	DALAPON	0.050	U	0.018	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.033	U	0.013	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.033	U	0.0090	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.033	U	0.0091	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.033	U	0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.033	U	0.024	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.033	U	0.011	0.033	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	460		27 - 122		92%	SPK: 500

Comments:

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

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

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

Instrument :
ECD_S
ClientSampleId :
PB168945BL

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

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

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

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

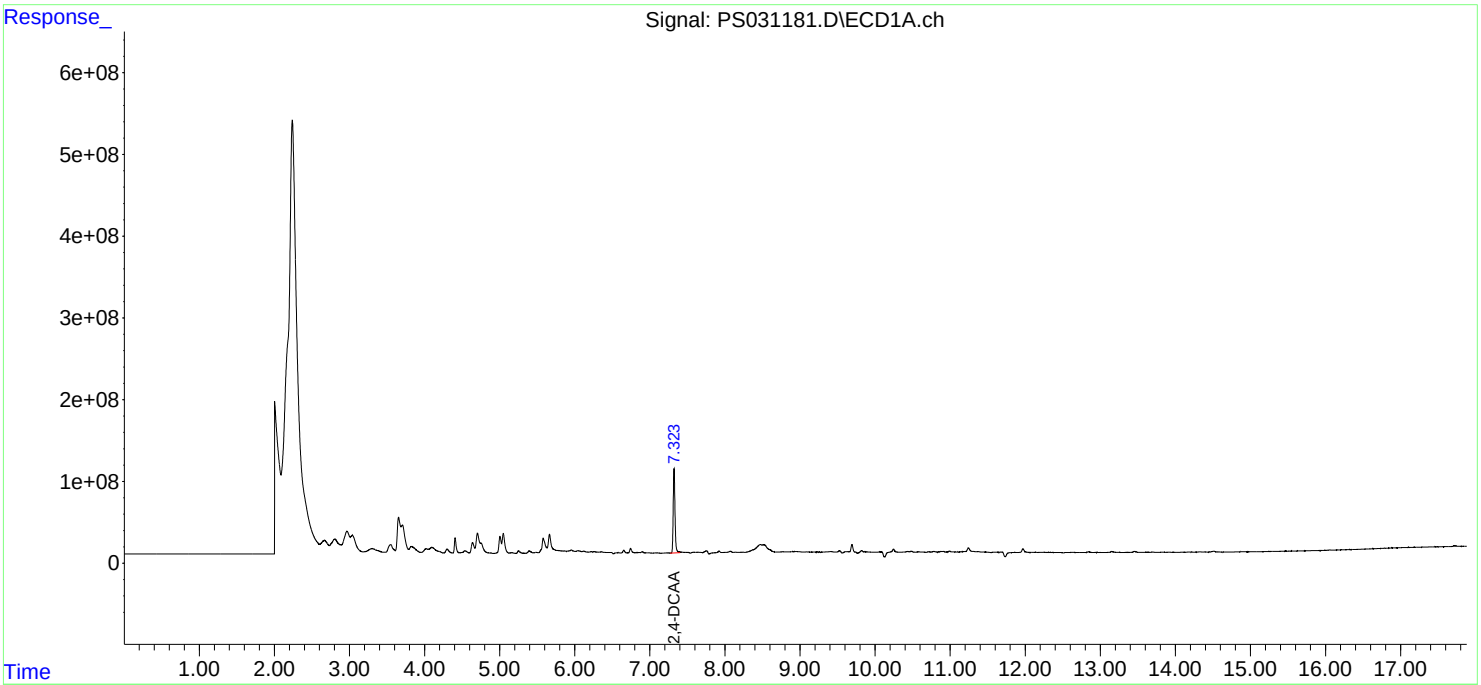
Sample Results: **PS031181.D**

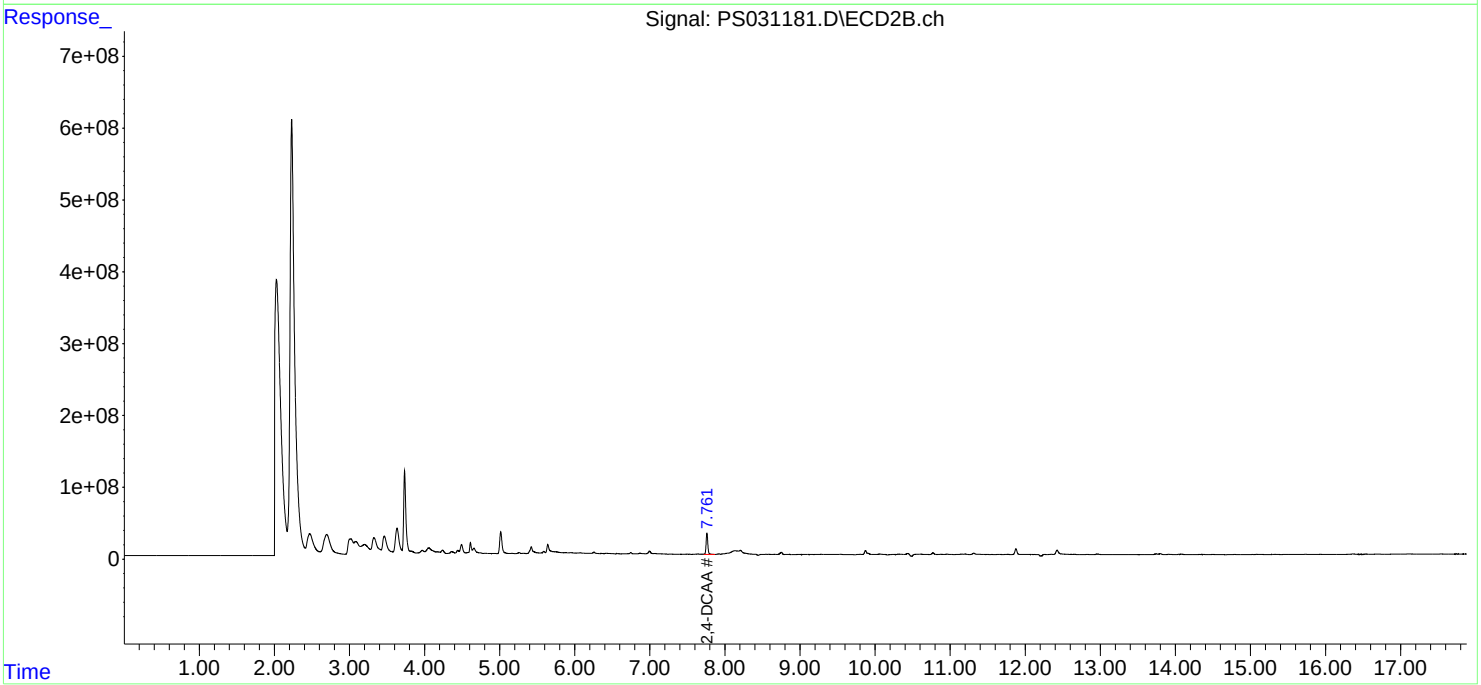
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:33
Operator : AR\AJ
Sample : PB168945BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

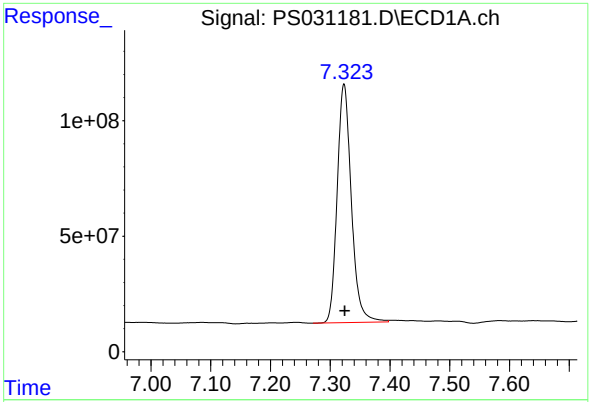
Instrument :
ECD_S
ClientSampleId :
PB168945BL

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

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



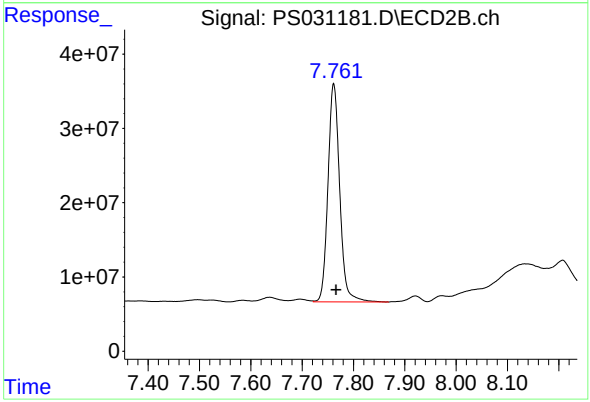




#4 2,4-DCAA

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

Instrument :
ECD_S
ClientSampleId :
PB168945BL



#4 2,4-DCAA

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

Raw Data: **PS031156.D**

Alliance TECHNICAL GROUP
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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.:	Q2639
Lab Sample ID:	I.BLK-PS031156.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

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

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

Comments:

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

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

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

Instrument :
ECD_S
ClientSampleId :
I.BLK

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

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

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

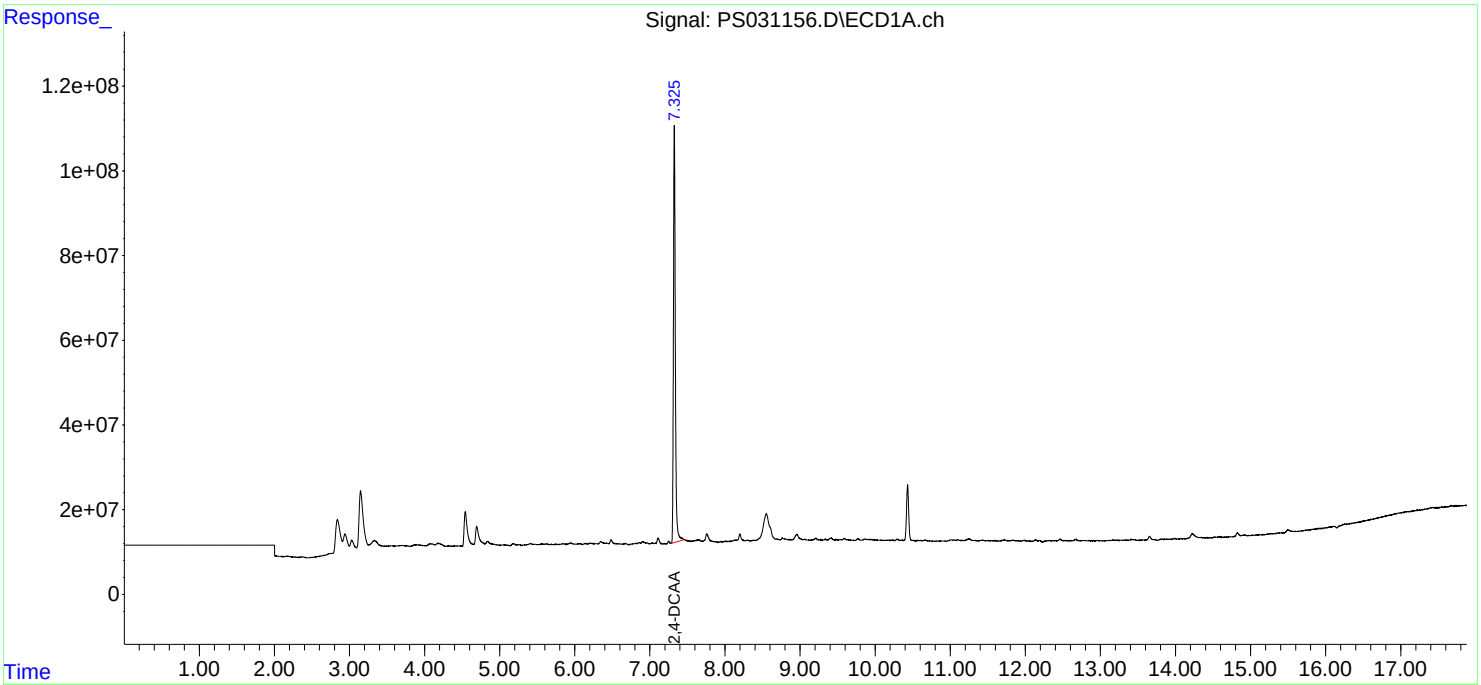
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

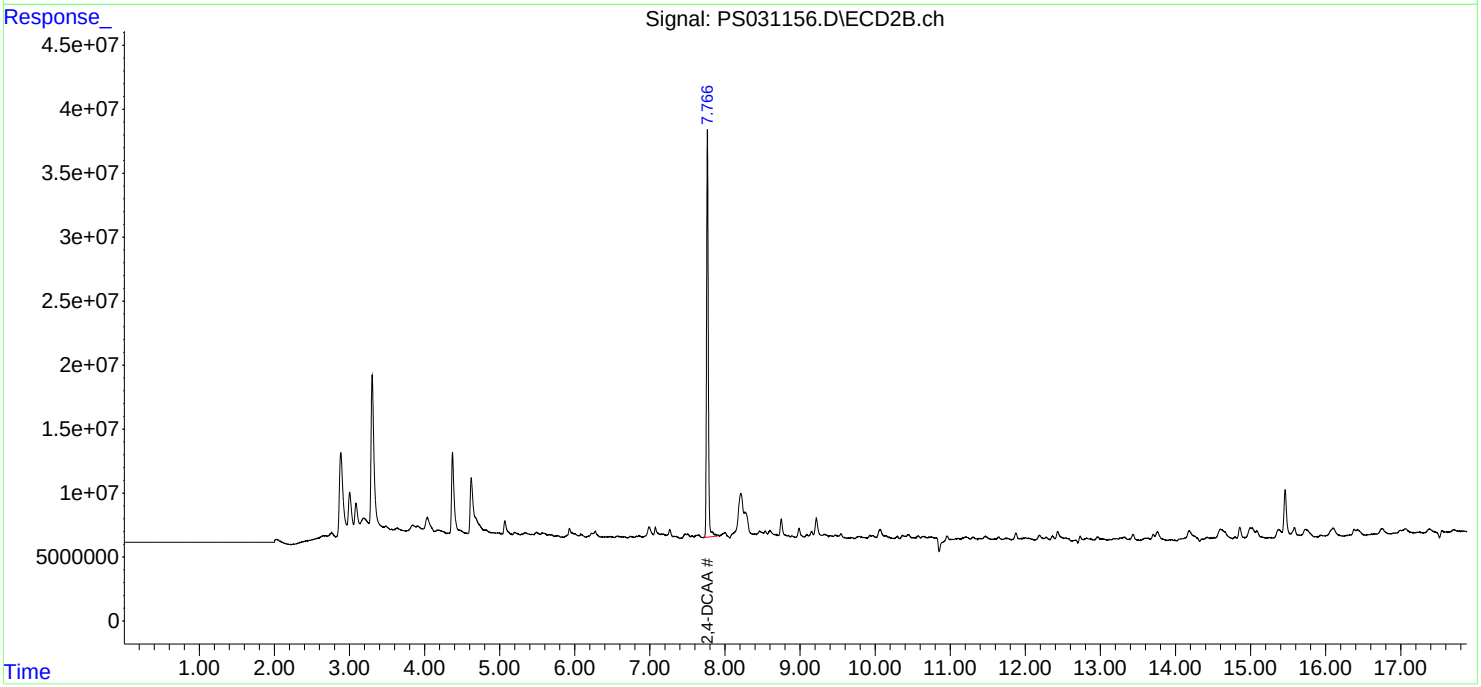
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031156.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

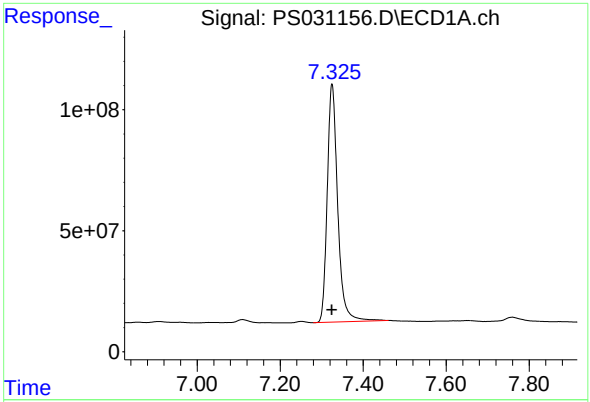
Instrument :
ECD_S
ClientSampleId :
I.BLK

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

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



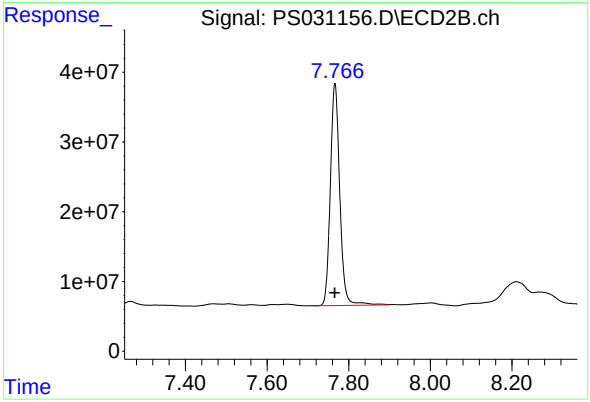




#4 2,4-DCAA

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

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

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

Raw Data: **PS031179.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PS031179.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PS031179.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	510		32 - 138		102%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:13:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.322	7.764	1839.9E6	517.6E6	423.145	509.918
	Target Compounds						

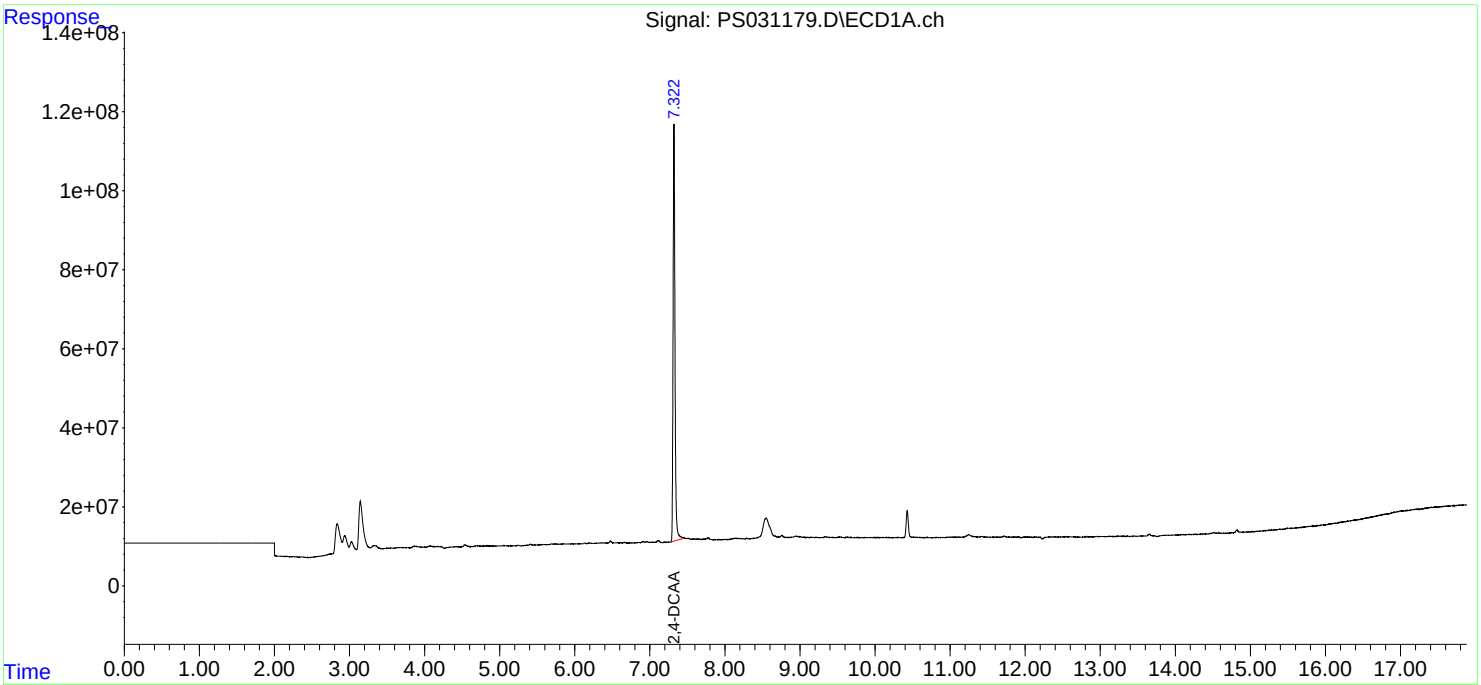
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

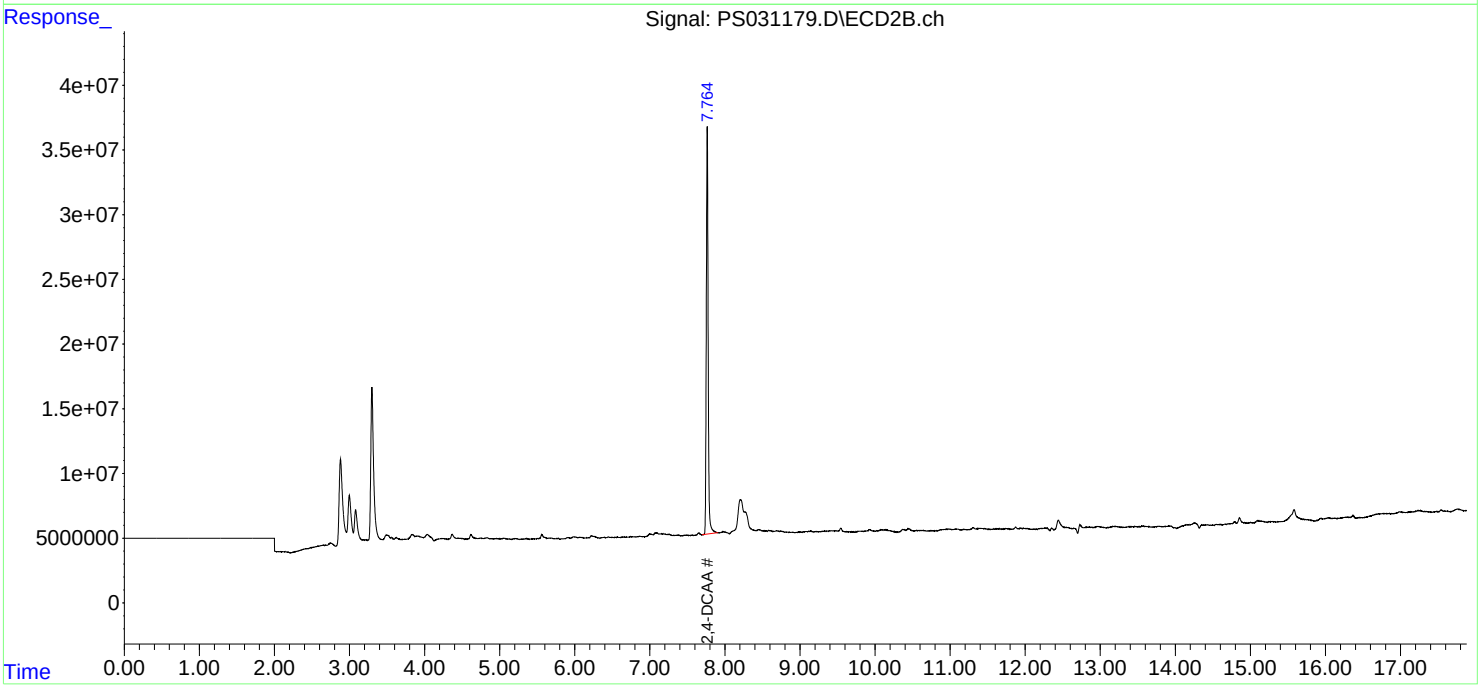
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

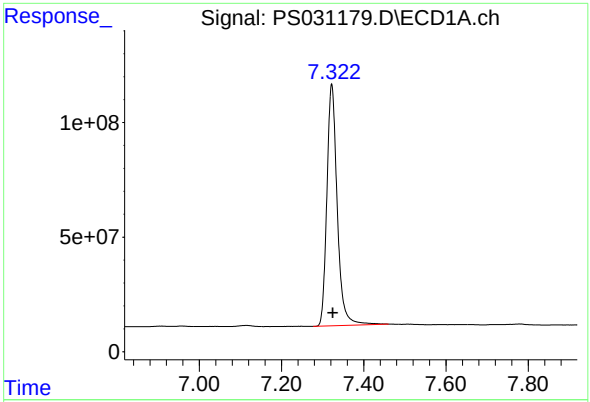
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:13:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



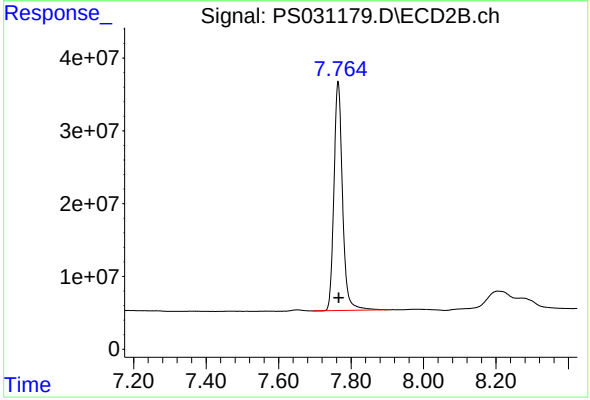




#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.002 min
Response: 1839941142
Conc: 423.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 517550244
Conc: 509.92 ng/ml

Raw Data: **PS031191.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PS031191.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PS031191.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031191.D	1		07/23/25	PS072325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	518		32 - 138		104%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

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

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.321	7.764	1865.3E6	526.3E6	428.982	518.493
	Target Compounds						

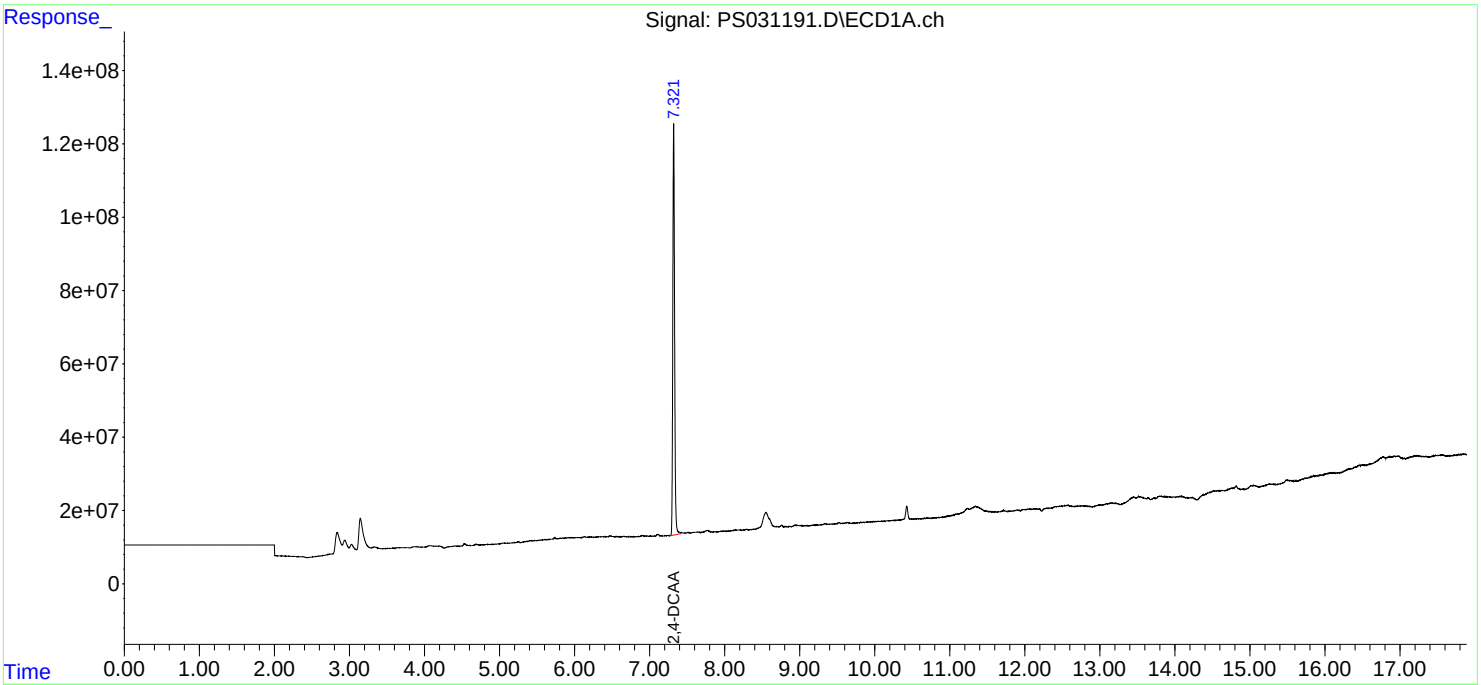
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

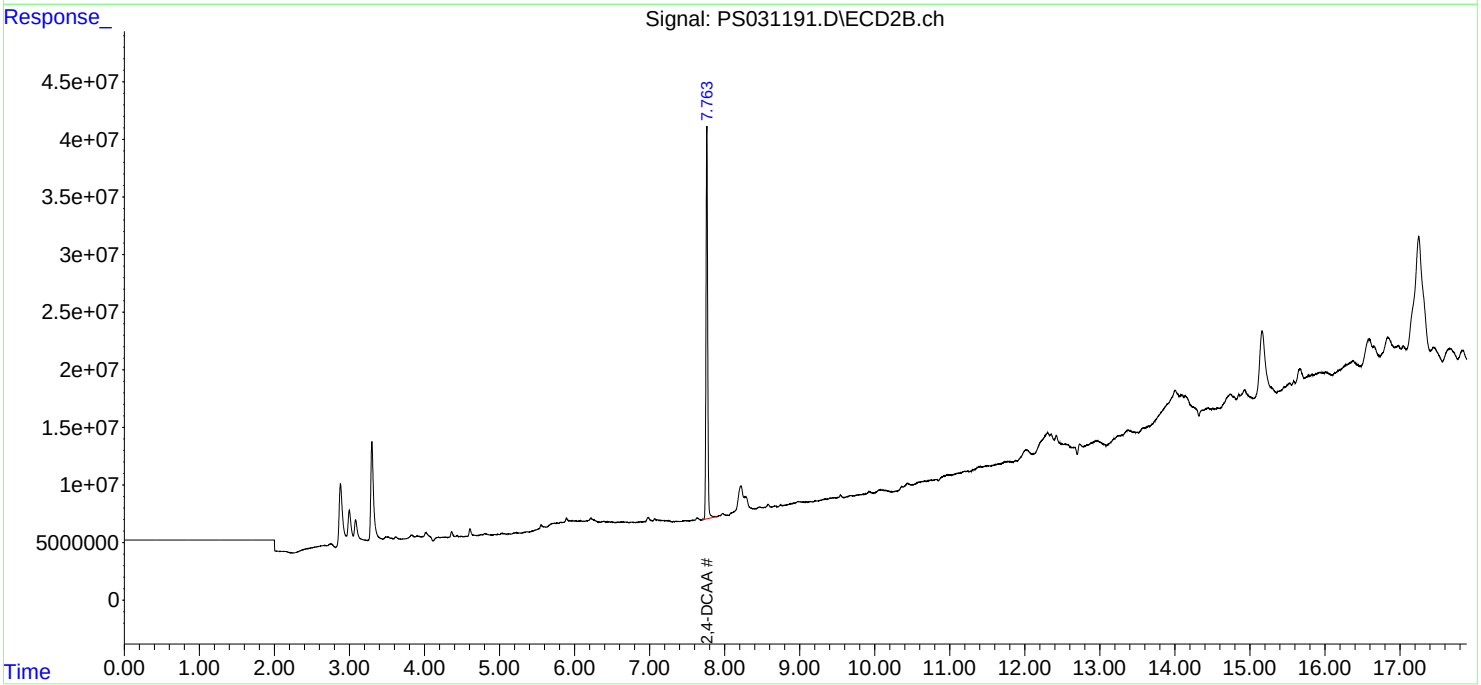
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 14:38
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

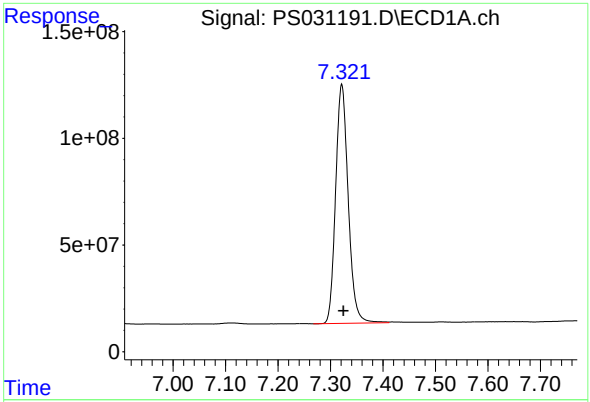
Instrument :
ECD_S
ClientSampleId :
I.BLK

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

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



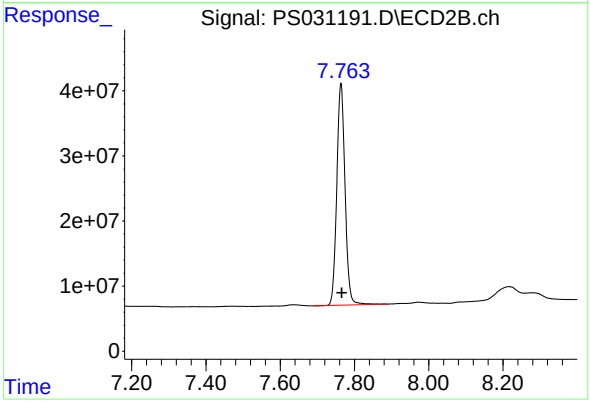




#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 1865323895
Conc: 428.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 526253842
Conc: 518.49 ng/ml

Raw Data: **PS031209.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PS031209.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PS031209.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
PS031209.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	523		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 : PS031209.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 22:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:26:58 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	1893.3E6	531.2E6	435.407	523.380
	Target Compounds						

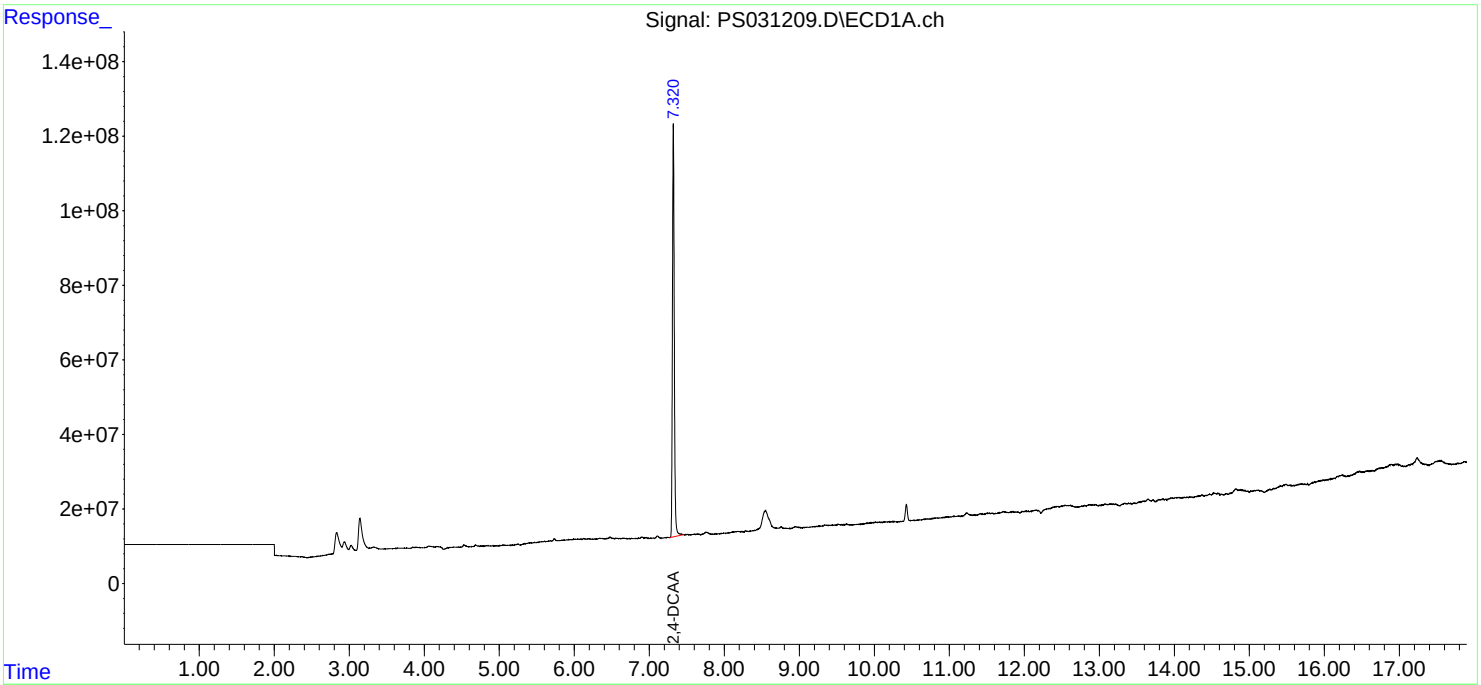
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

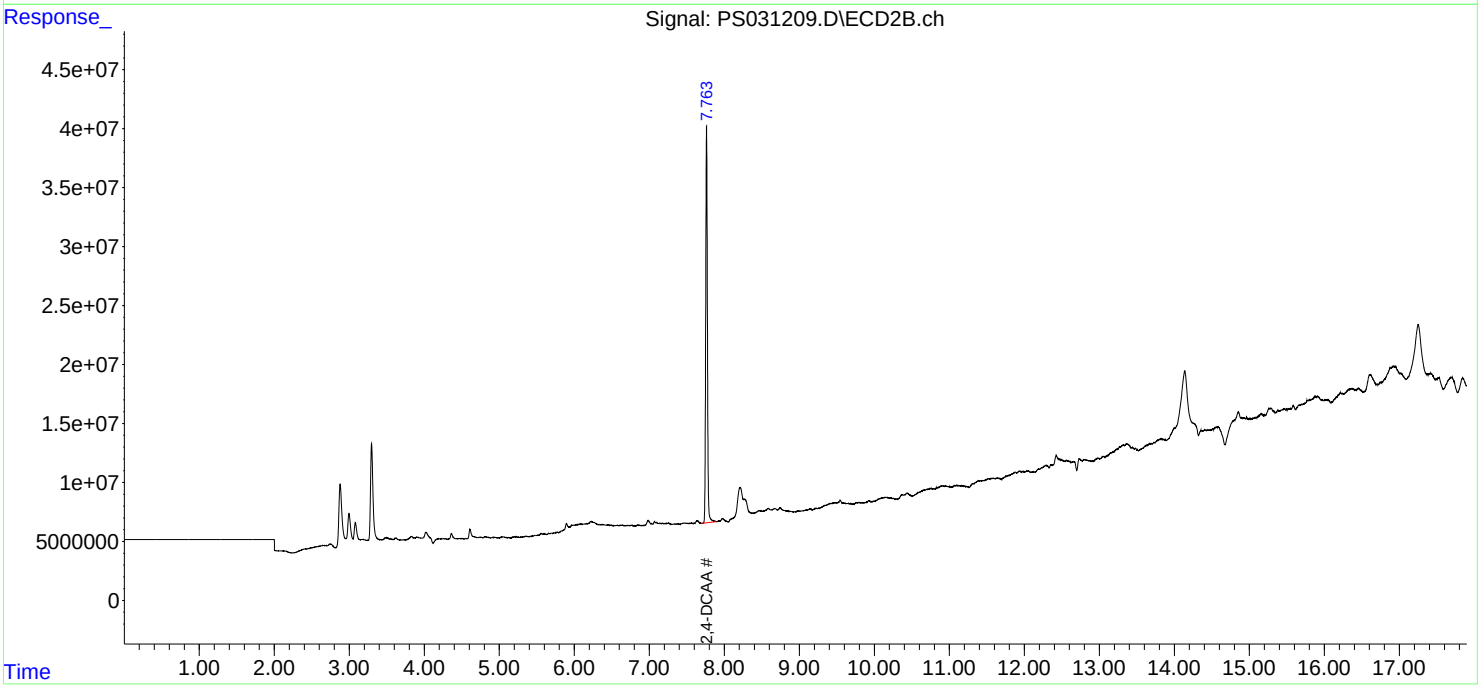
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031209.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 22:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

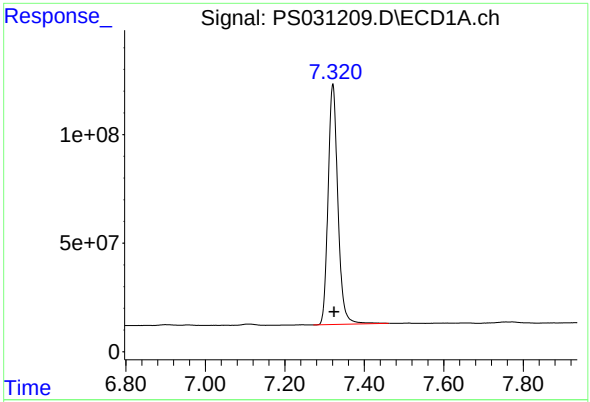
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:26:58 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



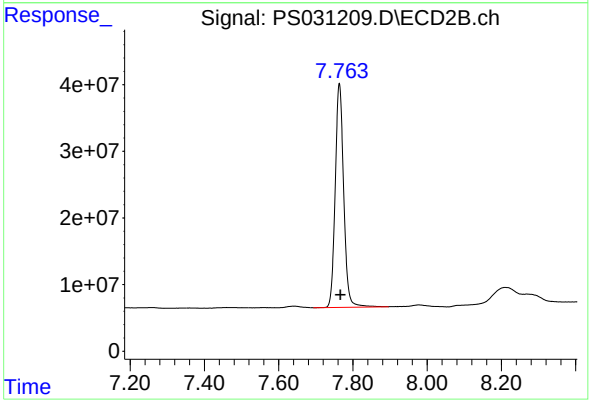




#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.004 min
Response: 1893260534
Conc: 435.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 531214334
Conc: 523.38 ng/ml

Raw Data: **PS031218.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/24/25
Project:	Raymark Superfund Site	Date Received:	07/24/25
Client Sample ID:	PIBLK-PS031218.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PS031218.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
PS031218.D	1		07/24/25	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 : PS031218.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 01:41
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 03:35:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.320	7.764	1889.4E6	534.2E6	434.514	526.339
	Target Compounds						

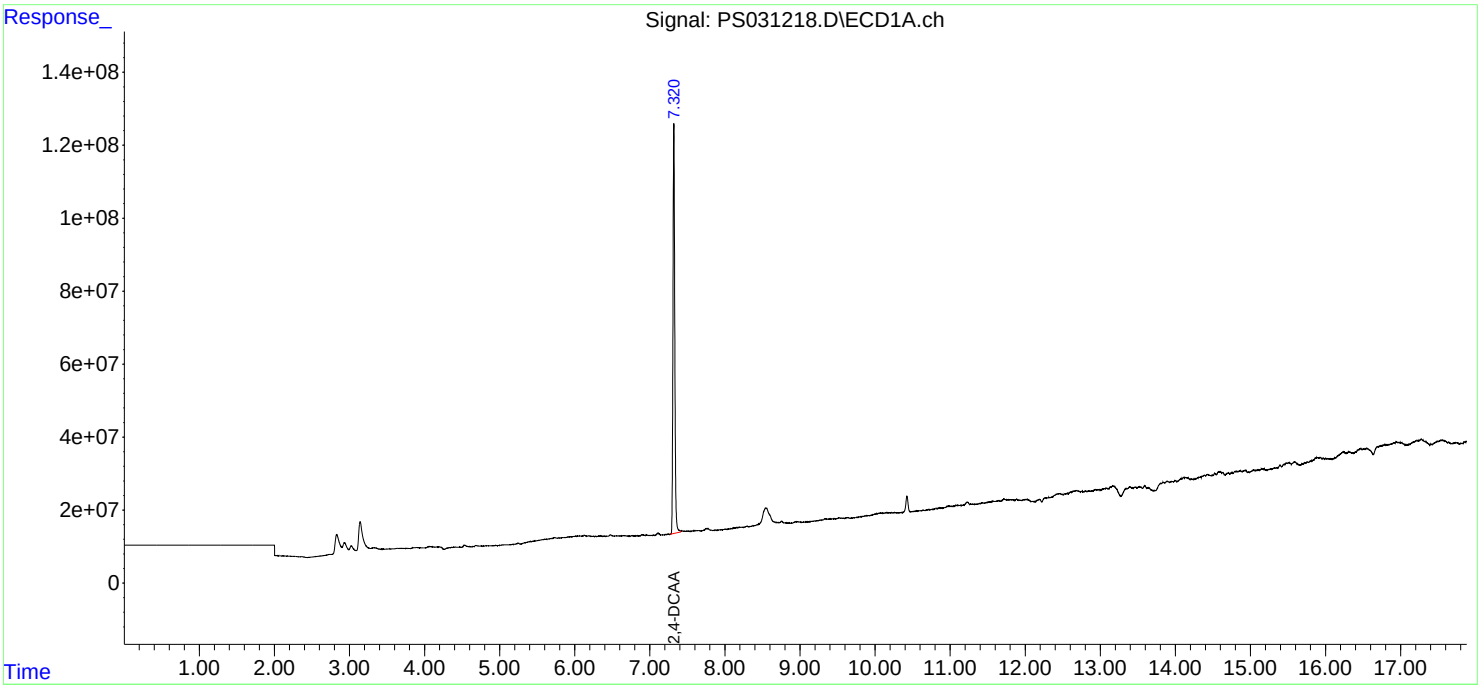
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

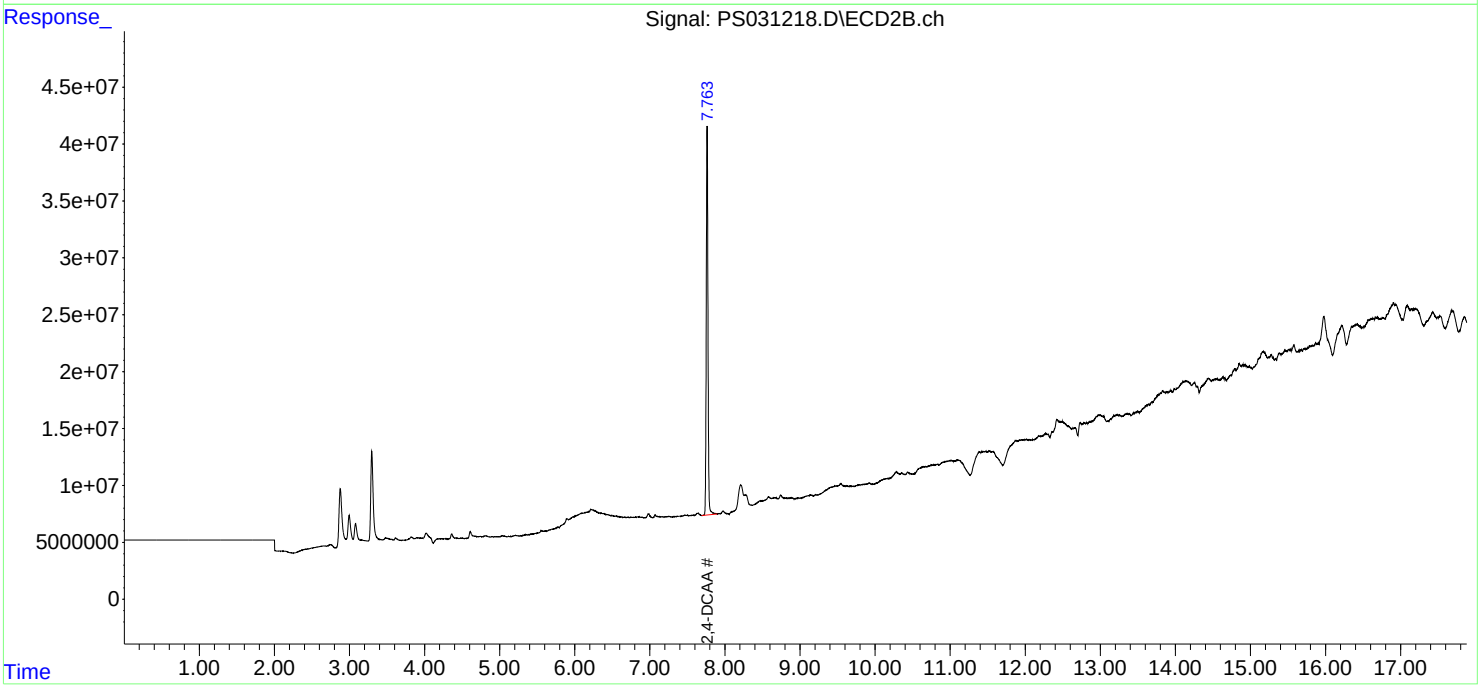
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031218.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 01:41
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

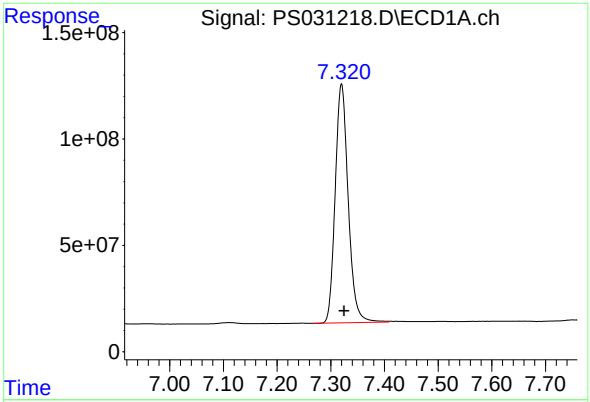
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 03:35:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



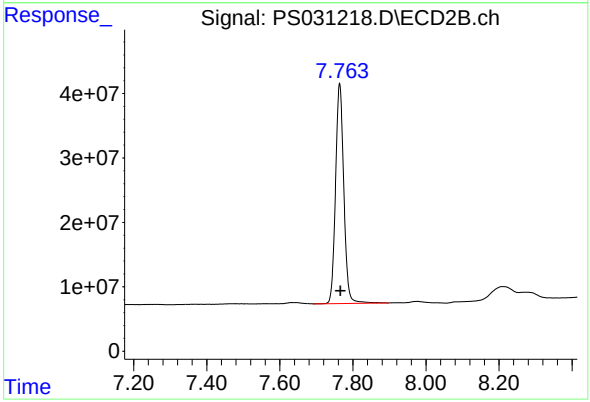




#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.004 min
Response: 1889377153
Conc: 434.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 534216982
Conc: 526.34 ng/ml

Raw Data: **PS031221.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/24/25
Project:	Raymark Superfund Site	Date Received:	07/24/25
Client Sample ID:	PIBLK-PS031221.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PS031221.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031221.D	1		07/24/25	ps072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	492		32 - 138		98%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031221.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 10:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:03:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.320	7.763	1803.2E6	499.7E6	414.703	492.294
	Target Compounds						

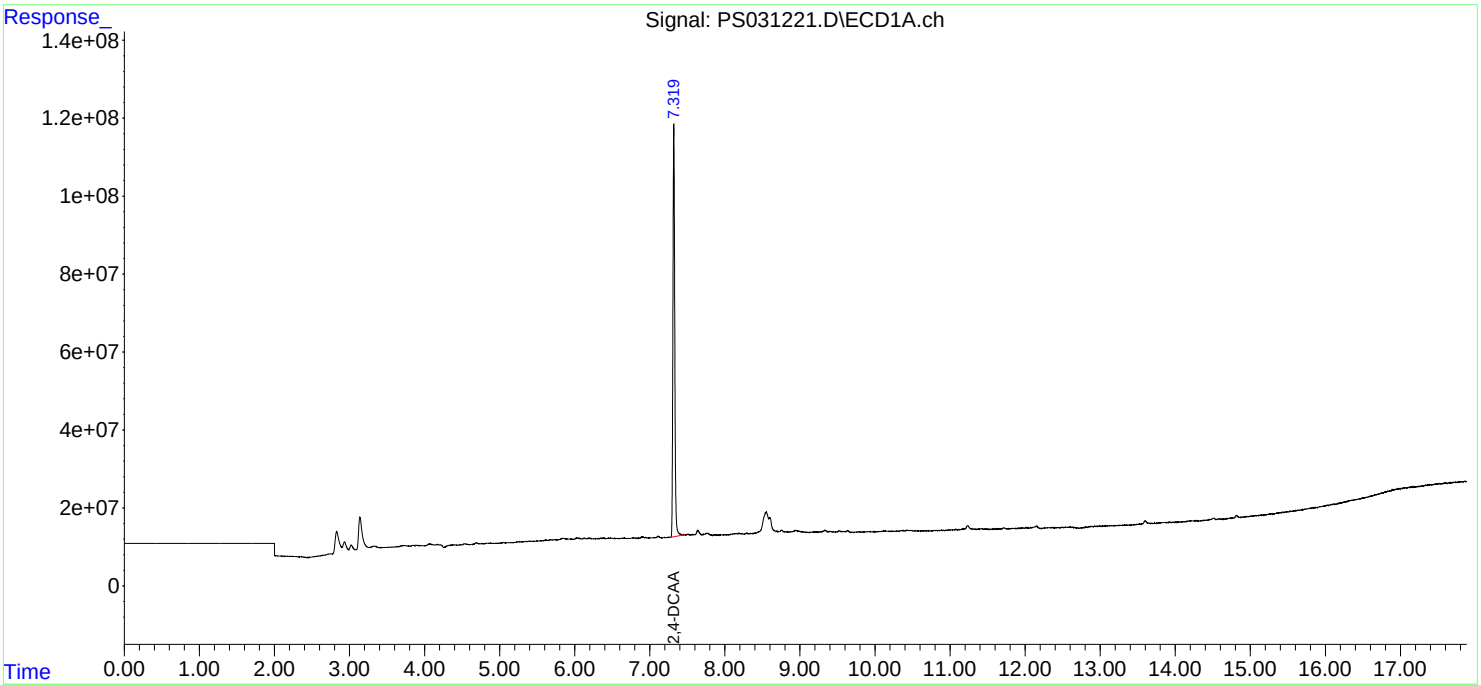
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

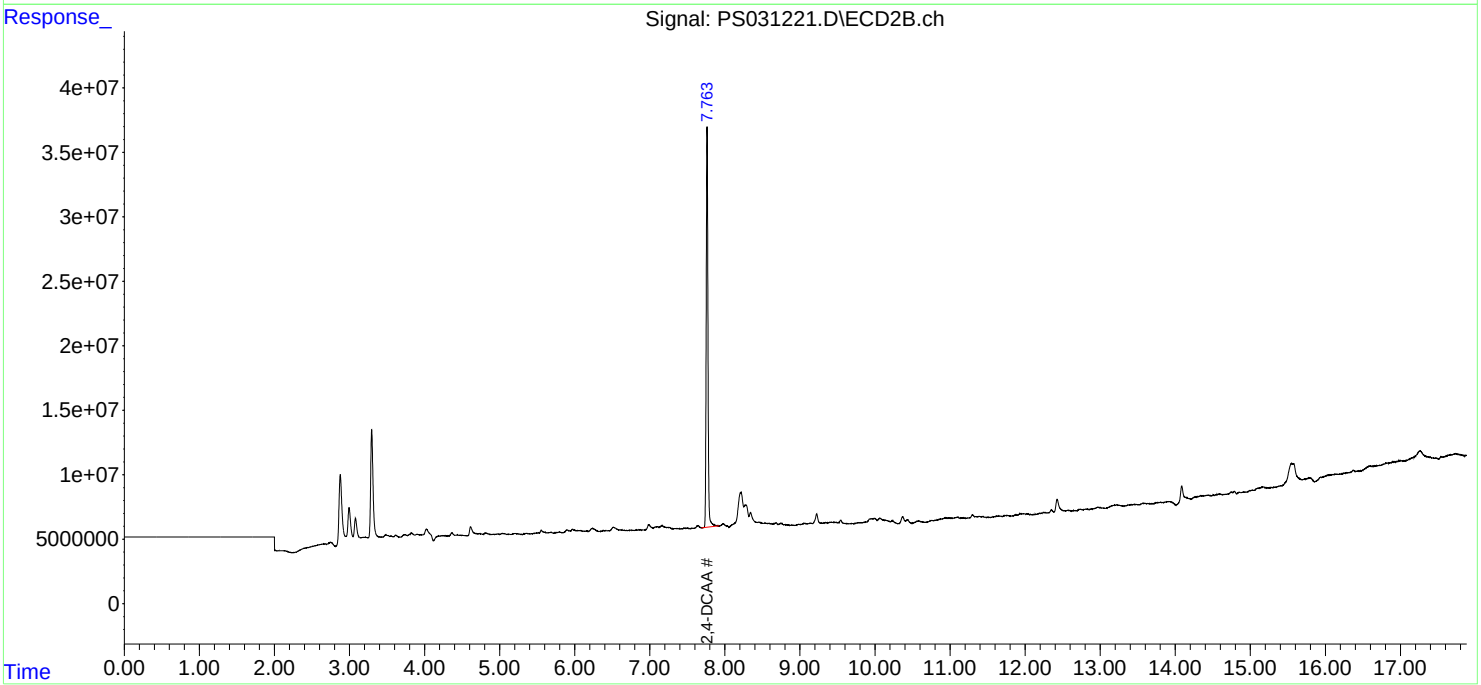
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031221.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 10:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

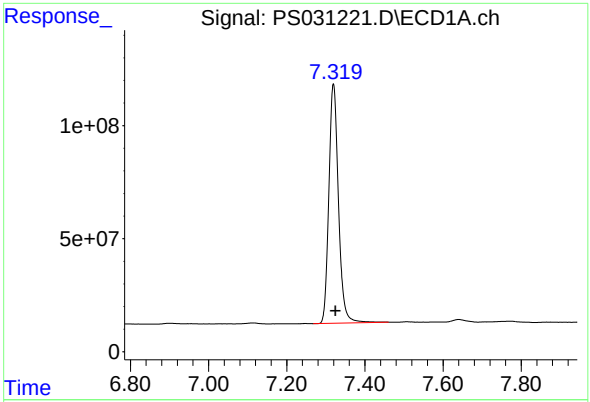
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:03:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



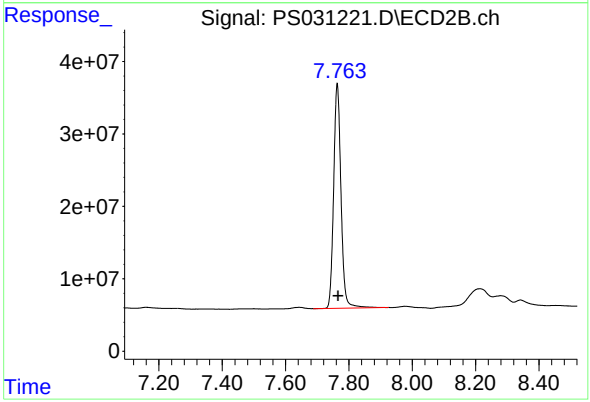




#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1803232075
Conc: 414.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 499662872
Conc: 492.29 ng/ml

Raw Data: **PS031232.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/24/25
Project:	Raymark Superfund Site	Date Received:	07/24/25
Client Sample ID:	PIBLK-PS031232.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PS031232.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031232.D	1		07/24/25	PS072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	0.0015	U	0.00065	0.0015	0.0020	mg/L
75-99-0	DALAPON	0.0015	U	0.00098	0.0015	0.0020	mg/L
120-36-5	DICHLORPROP	0.0015	U	0.00076	0.0015	0.0020	mg/L
94-75-7	2,4-D	0.0015	U	0.00092	0.0015	0.0020	mg/L
93-72-1	2,4,5-TP (Silvex)	0.0015	U	0.00078	0.0015	0.0020	mg/L
93-76-5	2,4,5-T	0.0015	U	0.00071	0.0015	0.0020	mg/L
94-82-6	2,4-DB	0.0015	U	0.00065	0.0015	0.0020	mg/L
88-85-7	DINOSEB	0.0015	U	0.00089	0.0015	0.0020	mg/L
SURROGATES							
19719-28-9	2,4-DCAA	491		32 - 138		98%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:07:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.320	7.764	1792.3E6	498.2E6	412.184	490.830
	Target Compounds						

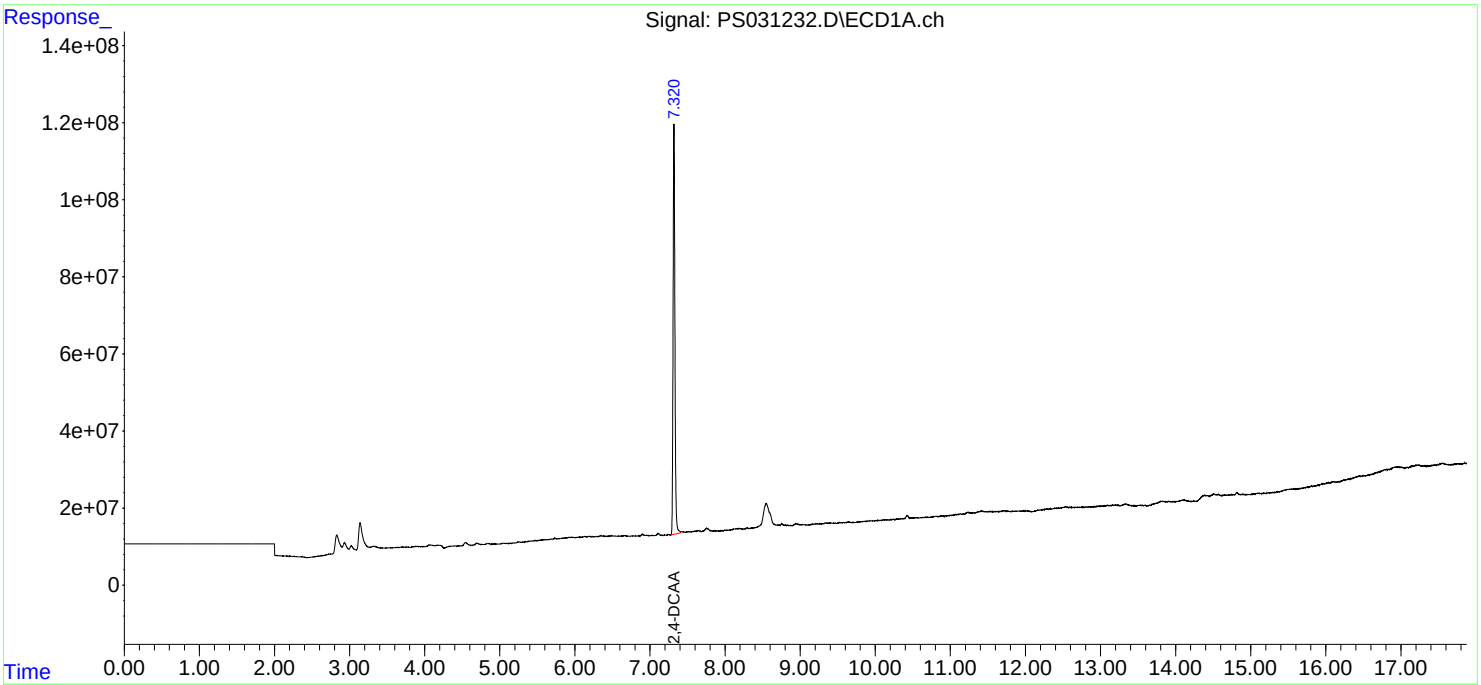
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

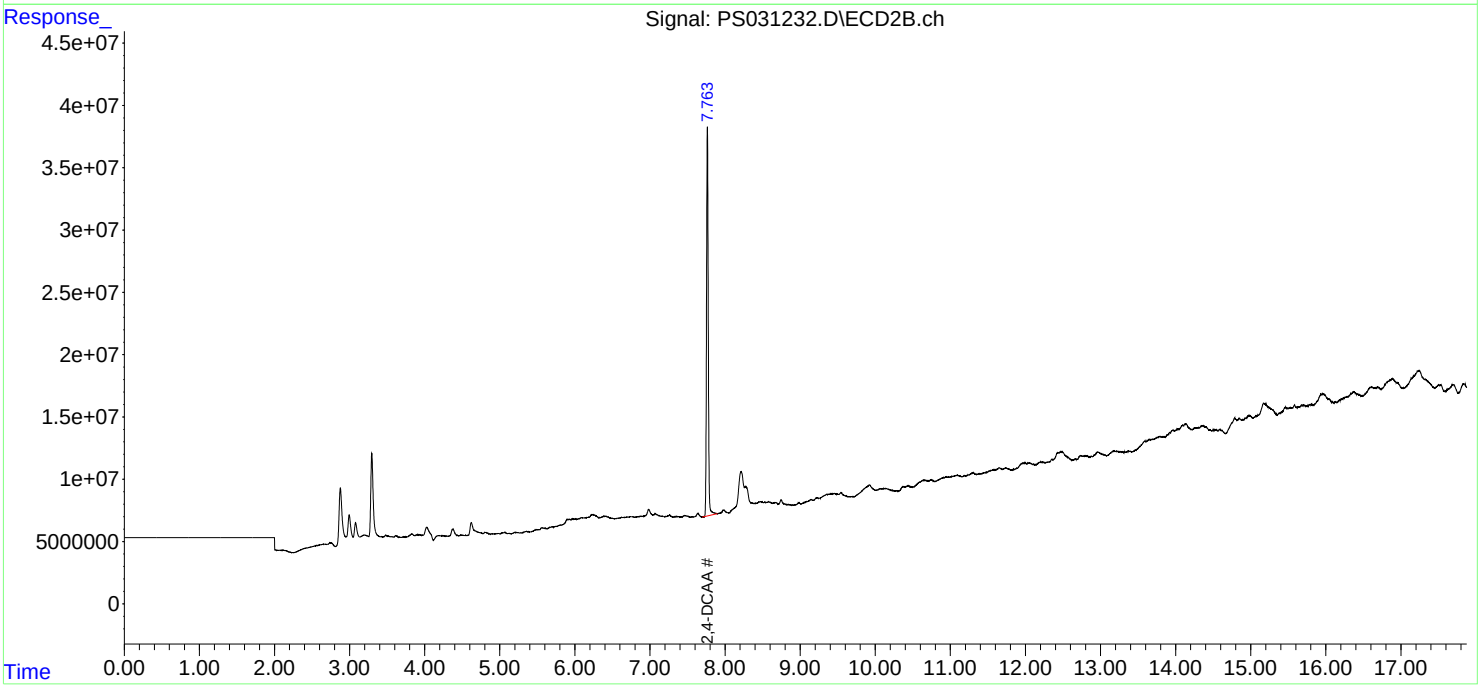
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

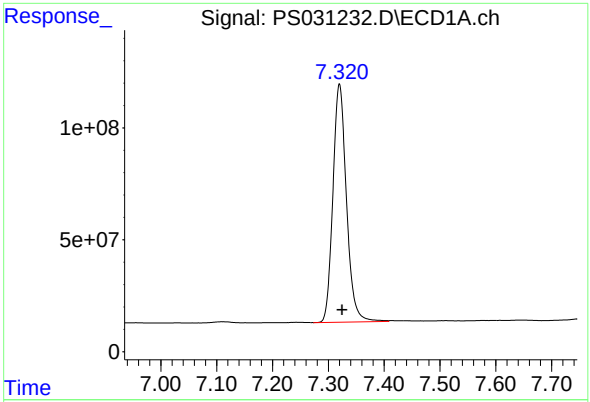
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 25 02:07:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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



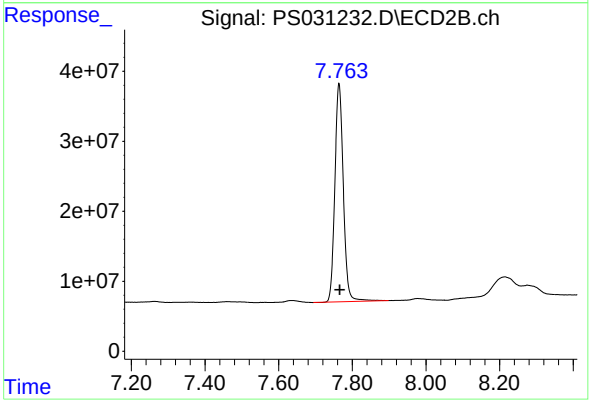




#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1792280651
Conc: 412.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 498176470
Conc: 490.83 ng/ml

Raw Data: **PS031274.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/29/25
Project:	Raymark Superfund Site	Date Received:	07/29/25
Client Sample ID:	PIBLK-PS031274.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PS031274.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
PS031274.D	1		07/29/25	PS072925

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\PS072925\
Data File : PS031274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:06
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 29 18:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.316	7.766	1175.8E6	409.9E6	403.573	490.802
	Target Compounds						

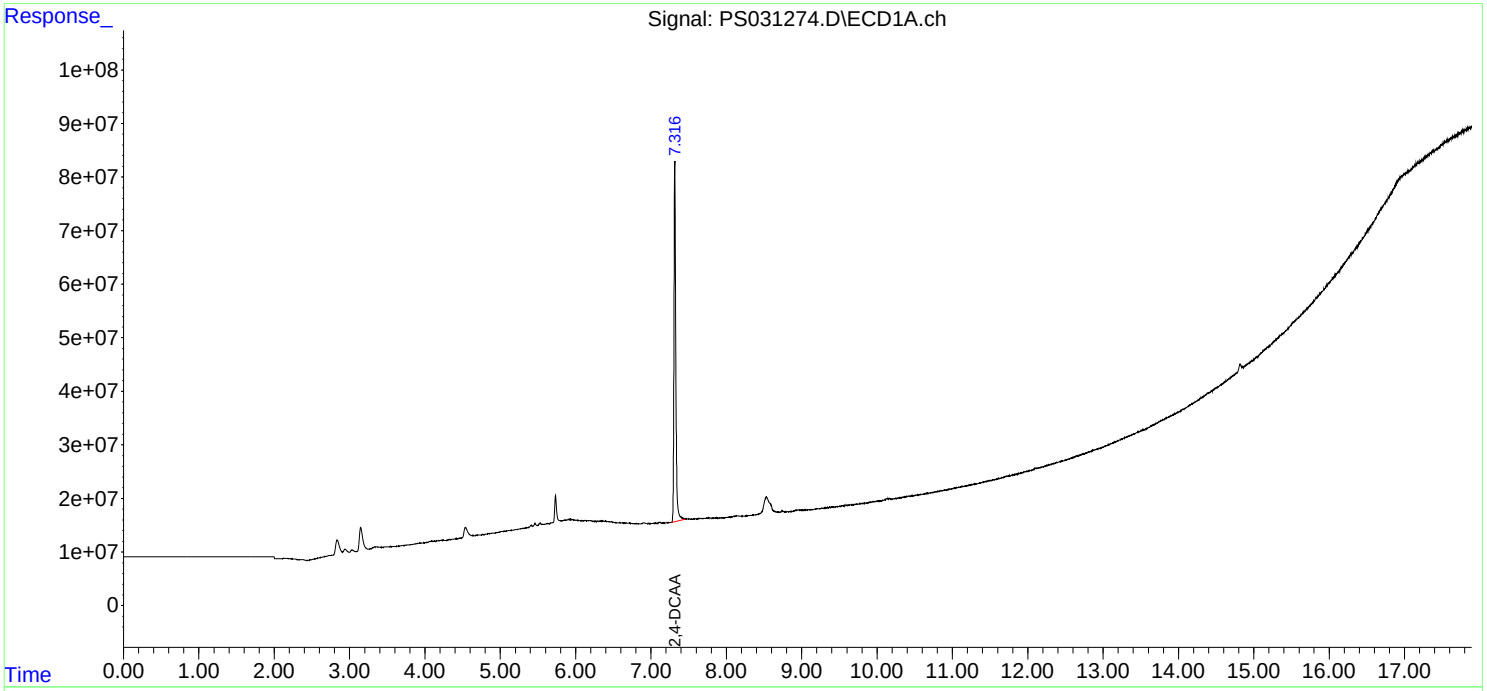
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

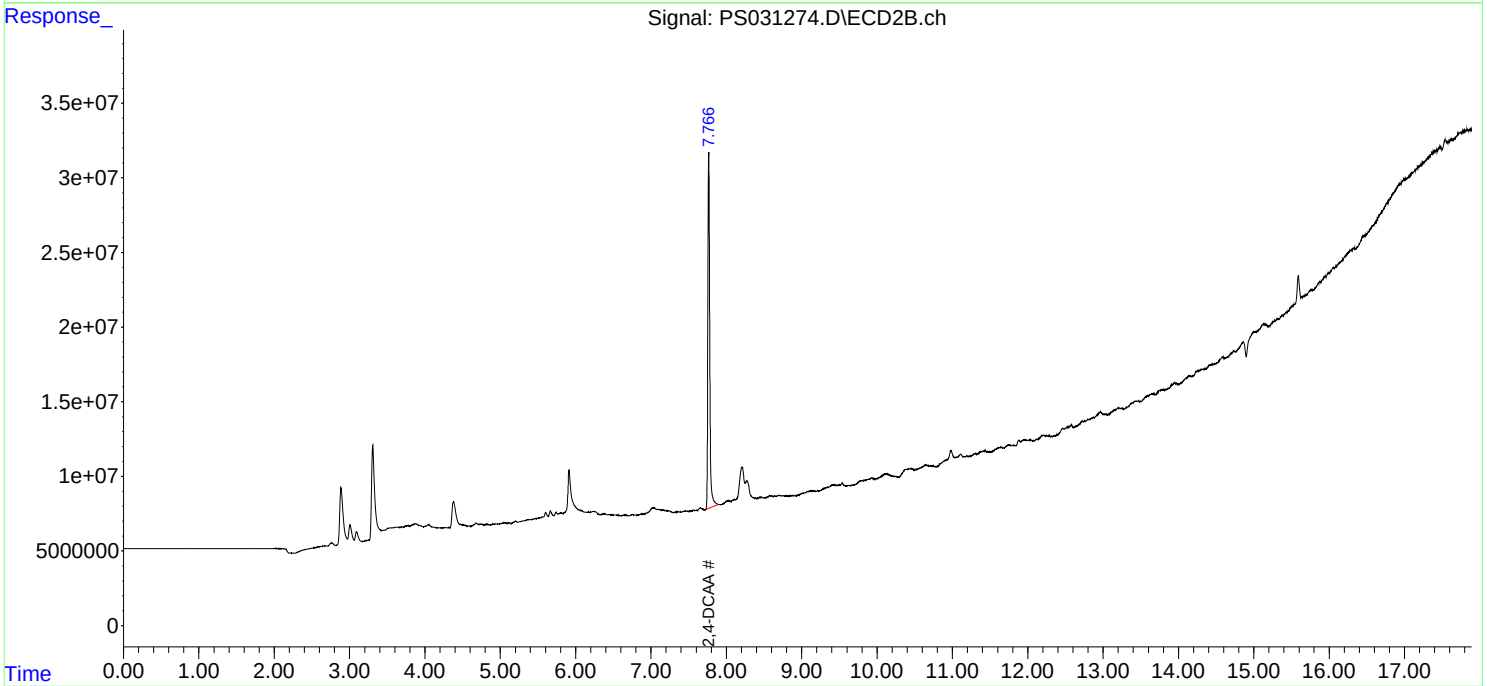
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072925\
Data File : PS031274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jul 2025 16:06
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

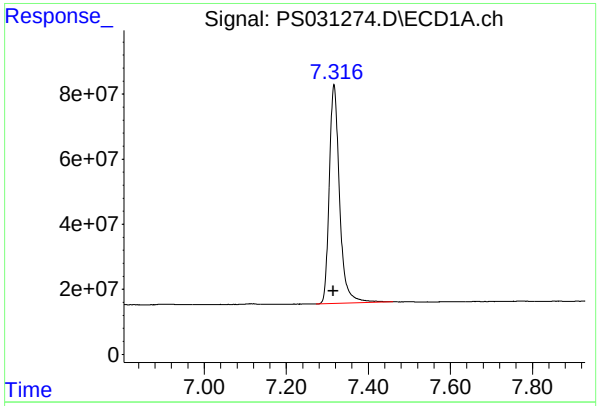
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 18:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



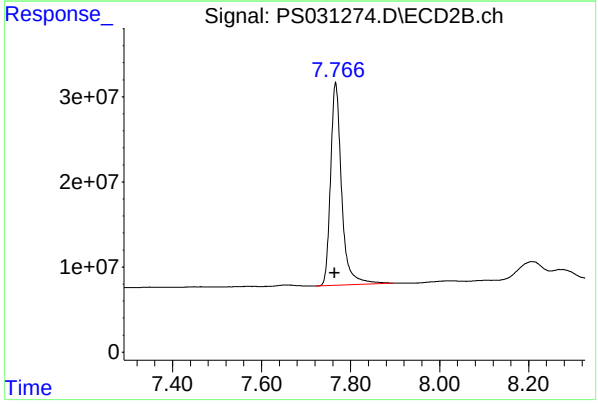




#4 2,4-DCAA

R.T.: 7.316 min
Delta R.T.: 0.002 min
Response: 1175772628
Conc: 403.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: 0.002 min
Response: 409859184
Conc: 490.80 ng/ml

Raw Data: **PS031320.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/30/25
Project:	Raymark Superfund Site	Date Received:	07/30/25
Client Sample ID:	PIBLK-PS031320.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PS031320.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
PS031320.D	1		07/30/25	ps073025

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	473		32 - 138		95%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 16:02
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 31 01:42:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.310	7.763	1234.2E6	394.7E6	423.642	472.684
	Target Compounds						

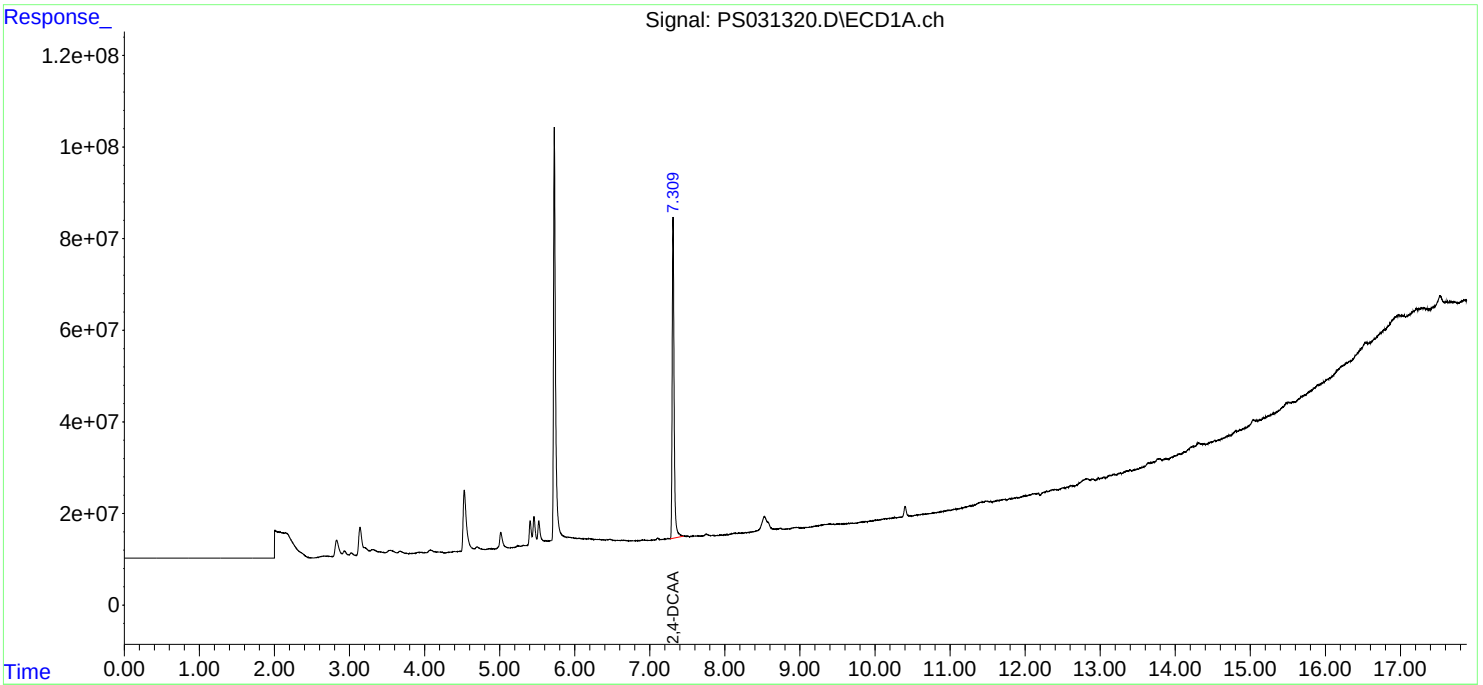
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

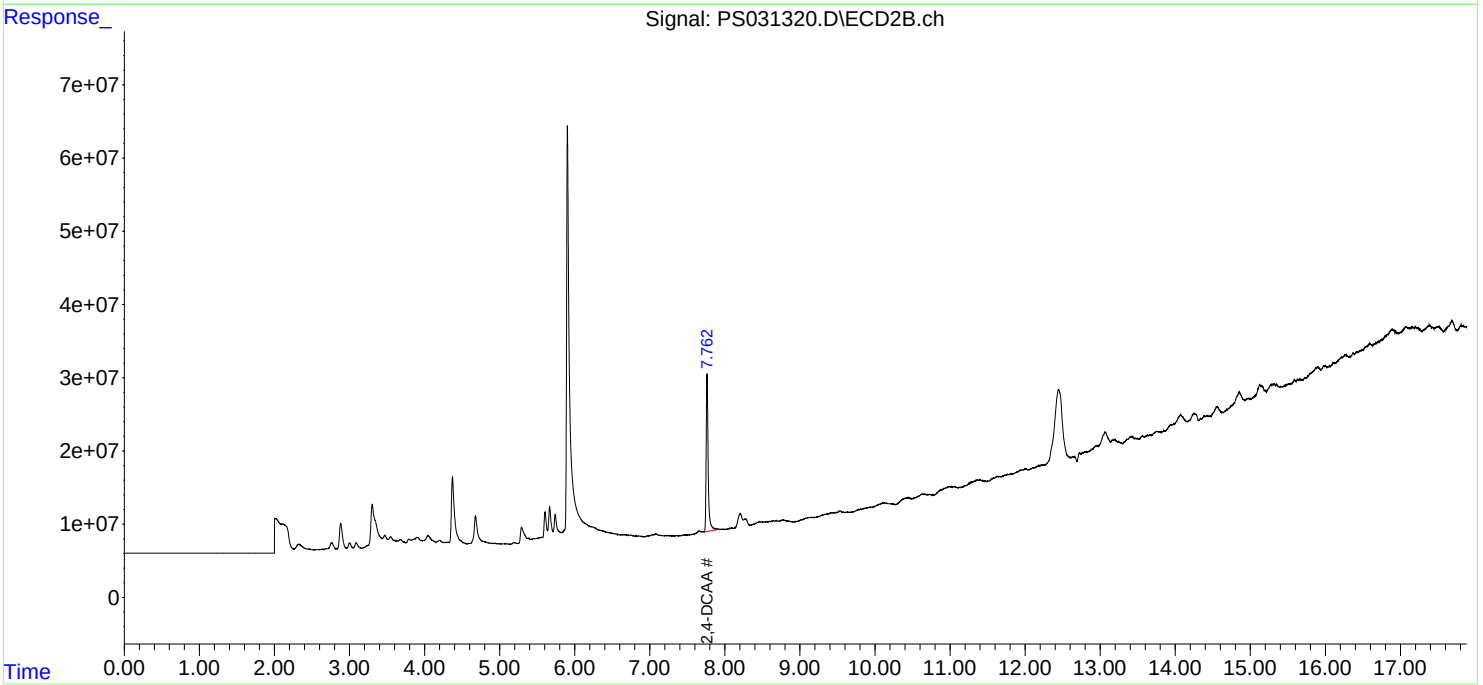
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031320.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 16:02
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

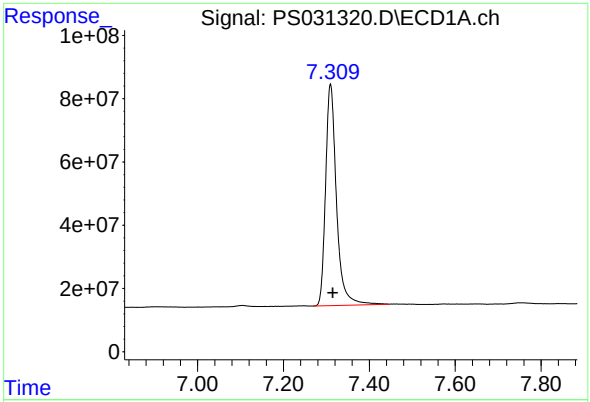
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 01:42:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



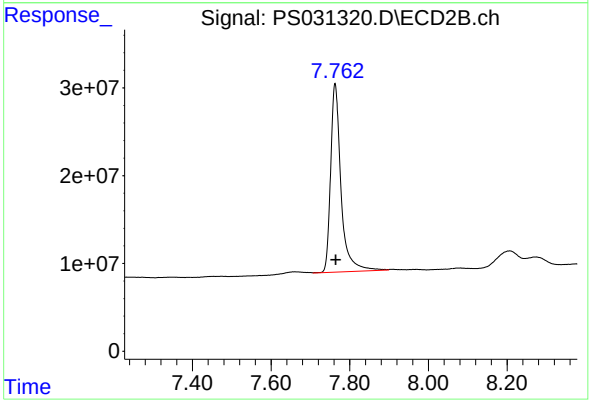




#4 2,4-DCAA

R.T.: 7.310 min
Delta R.T.: -0.005 min
Response: 1234241861
Conc: 423.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.001 min
Response: 394729210
Conc: 472.68 ng/ml

Raw Data: **PS031329.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/30/25
Project:	Raymark Superfund Site	Date Received:	07/30/25
Client Sample ID:	PIBLK-PS031329.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PS031329.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
PS031329.D	1		07/30/25	ps073025

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	508		32 - 138		102%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 19:40
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 31 03:12:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.308	7.761	1375.6E6	424.6E6	472.153	508.488
	Target Compounds						

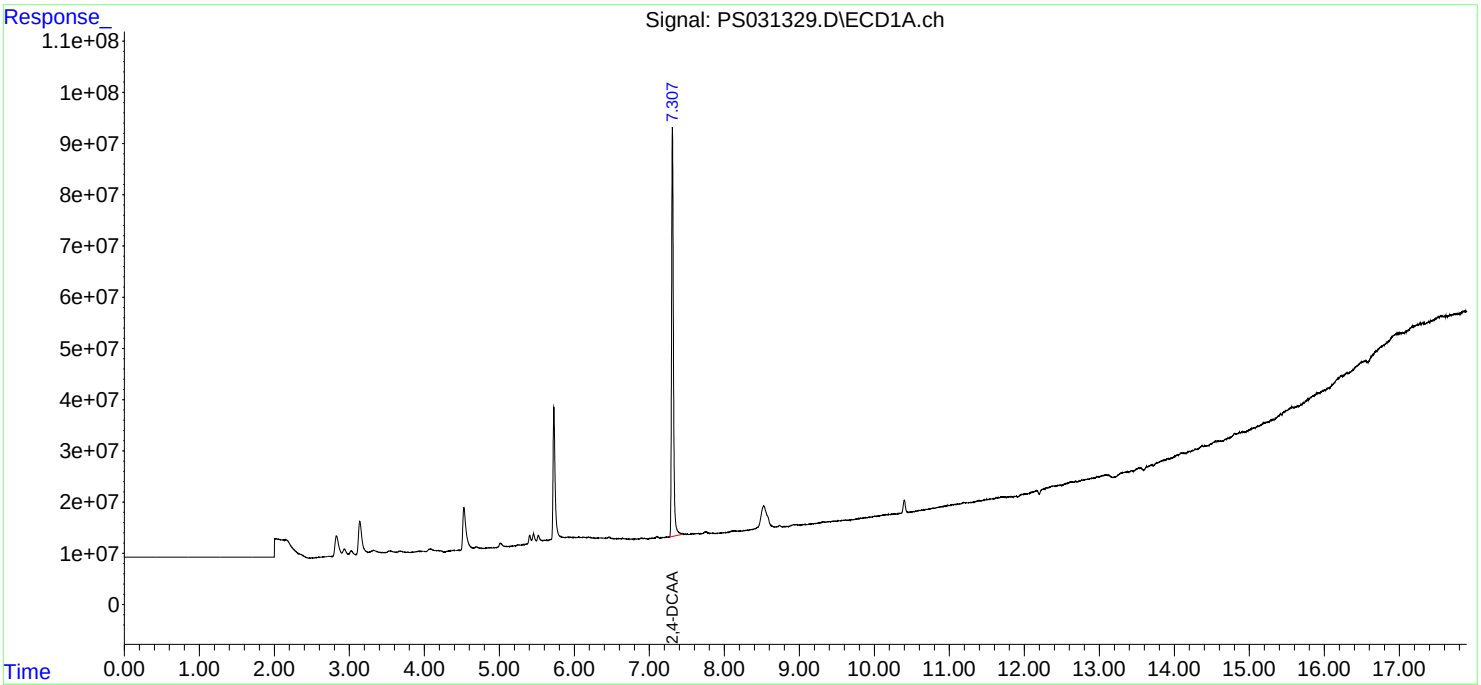
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

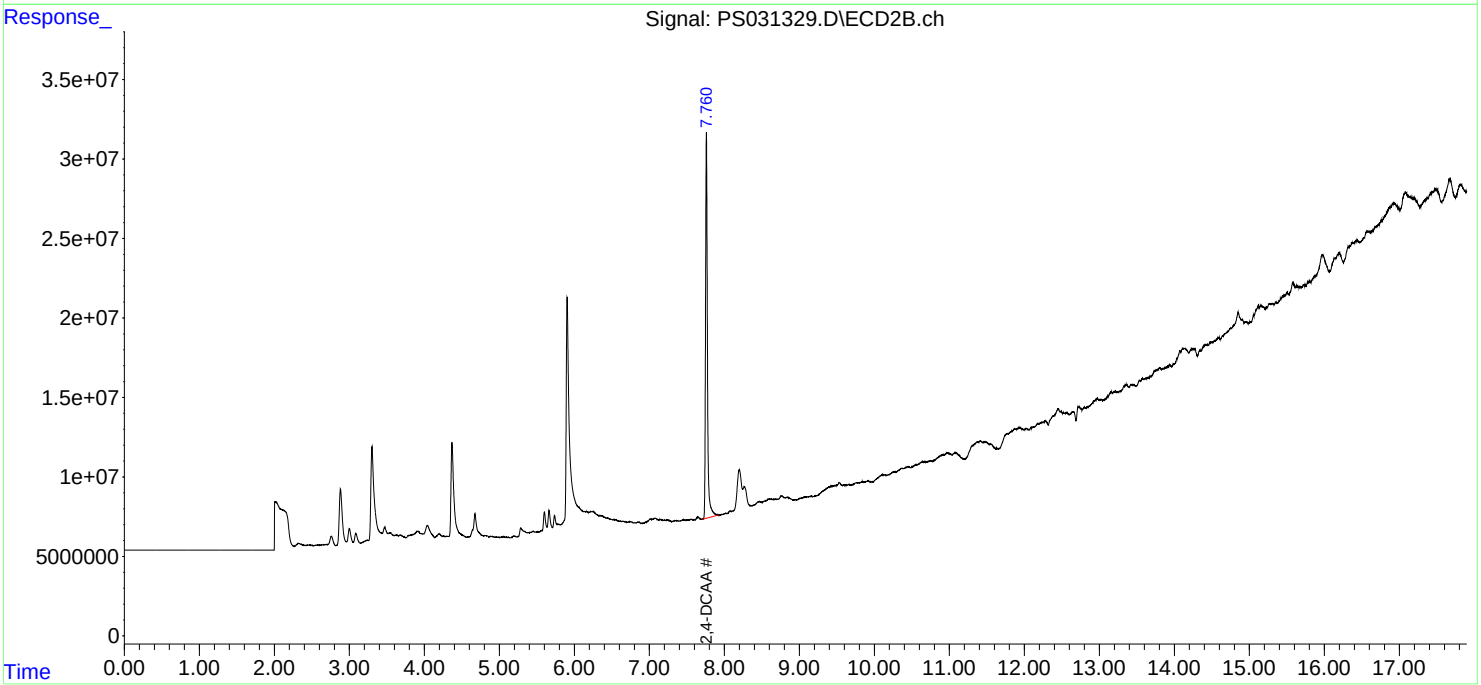
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073025\
Data File : PS031329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jul 2025 19:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

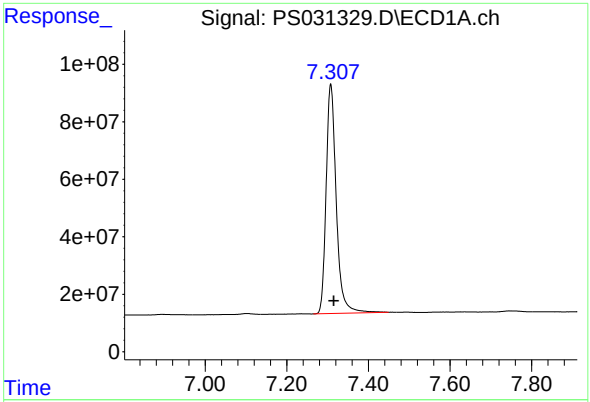
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 03:12:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



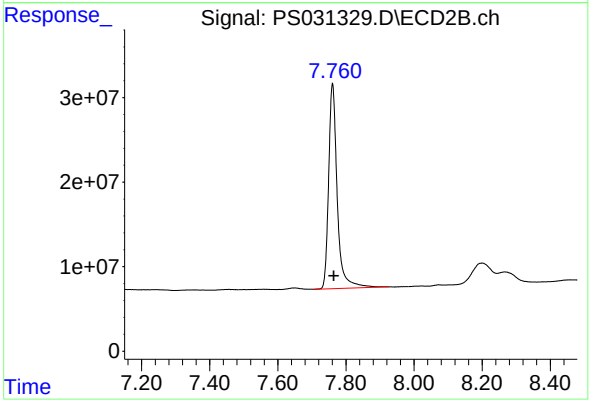




#4 2,4-DCAA

R.T.: 7.308 min
Delta R.T.: -0.007 min
Response: 1375571633
Conc: 472.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.761 min
Delta R.T.: -0.004 min
Response: 424628633
Conc: 508.49 ng/ml

Raw Data: **PS031332.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	PIBLK-PS031332.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PS031332.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
PS031332.D	1		07/31/25	Ps073125

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	519		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\PS073125\
Data File : PS031332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 09:00
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 31 14:31:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.308	7.759	1400.2E6	433.5E6	480.593	519.081
	Target Compounds						

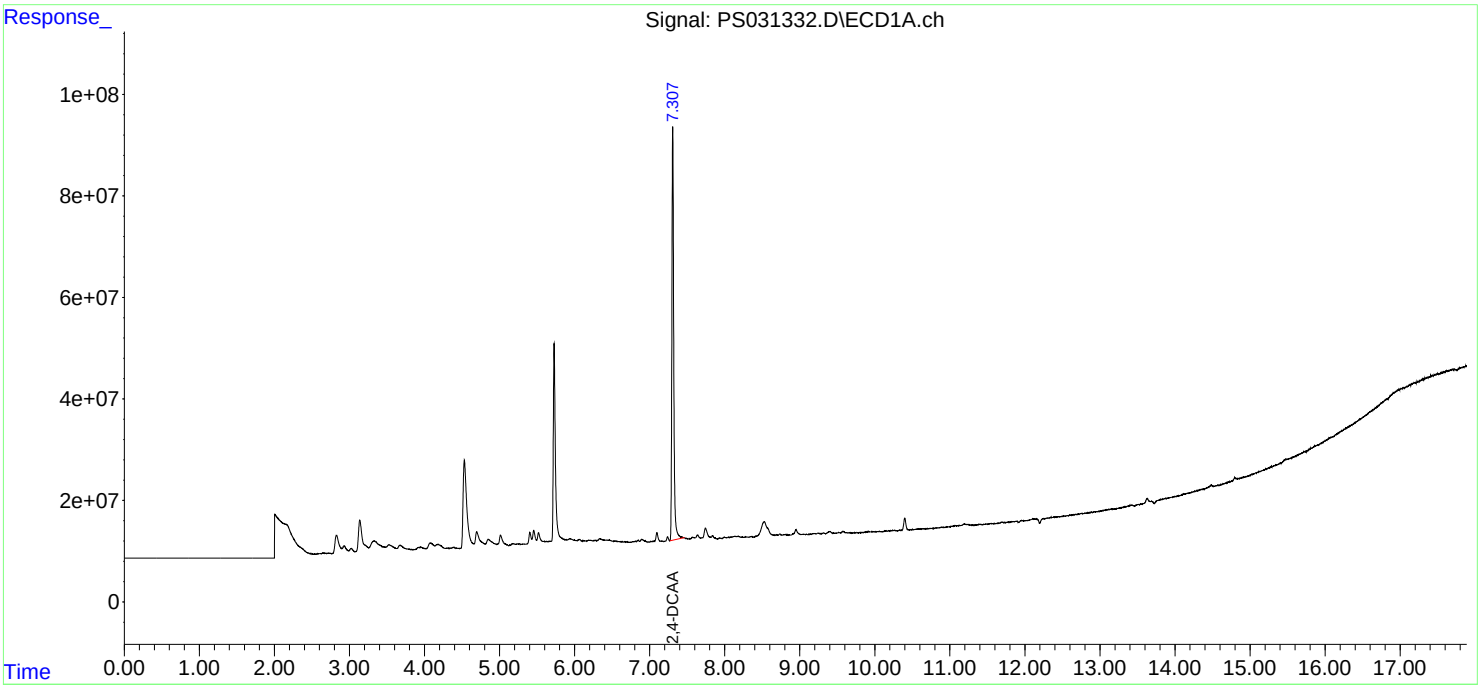
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

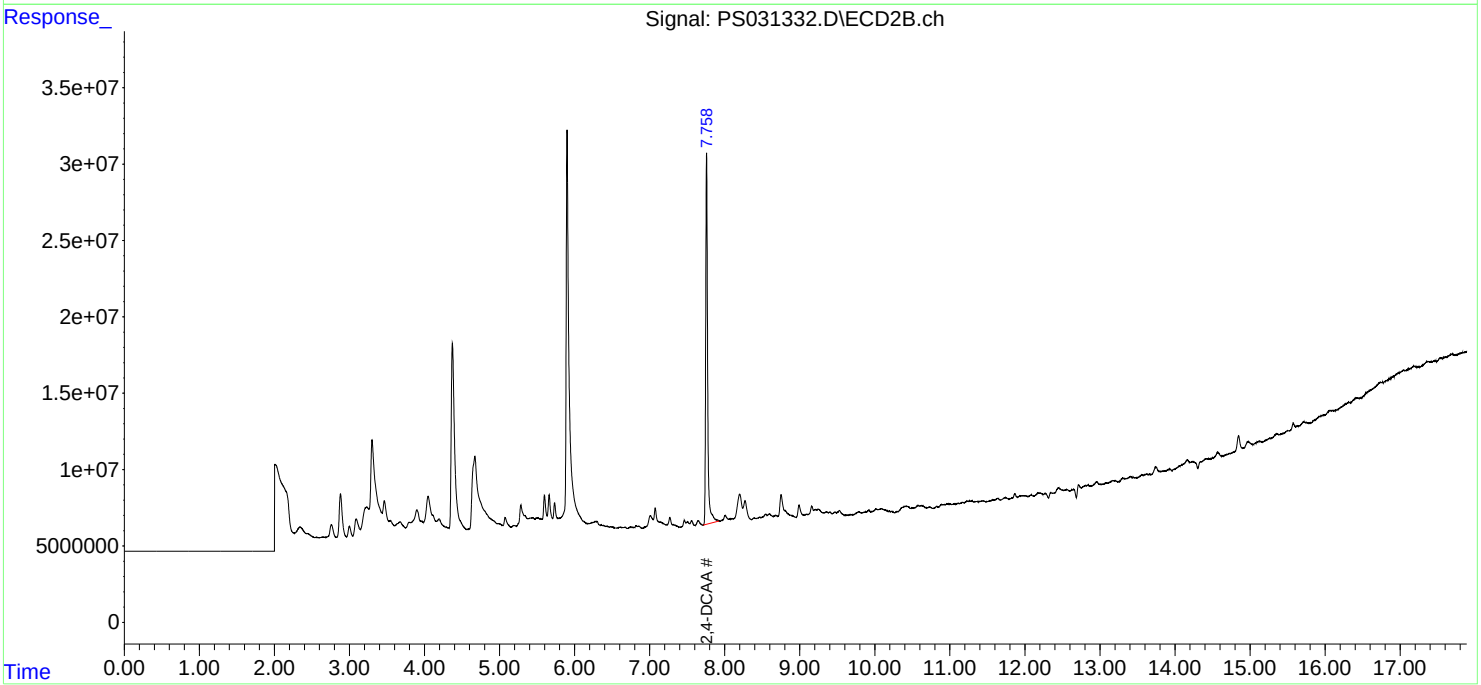
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 09:00
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

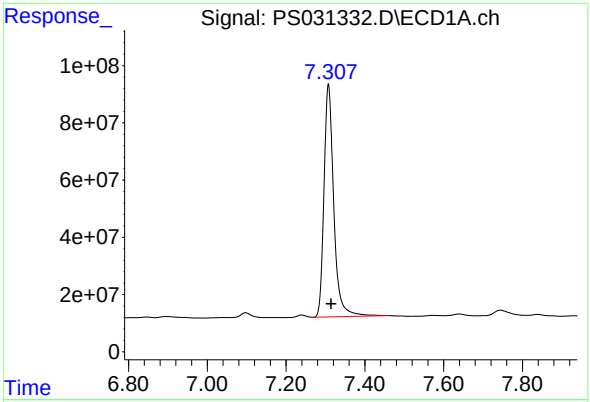
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:31:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



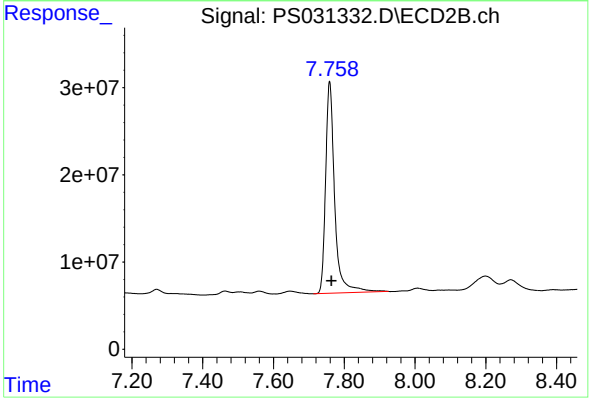




#4 2,4-DCAA

R.T.: 7.308 min
Delta R.T.: -0.007 min
Response: 1400161043
Conc: 480.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.759 min
Delta R.T.: -0.006 min
Response: 433474323
Conc: 519.08 ng/ml

Raw Data: **PS031335.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	PIBLK-PS031335.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PS031335.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
PS031335.D	1		07/31/25	Ps073125

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	517		32 - 138		103%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:36
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 31 14:33:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.307	7.760	1393.4E6	431.9E6	478.261	517.199
	Target Compounds						

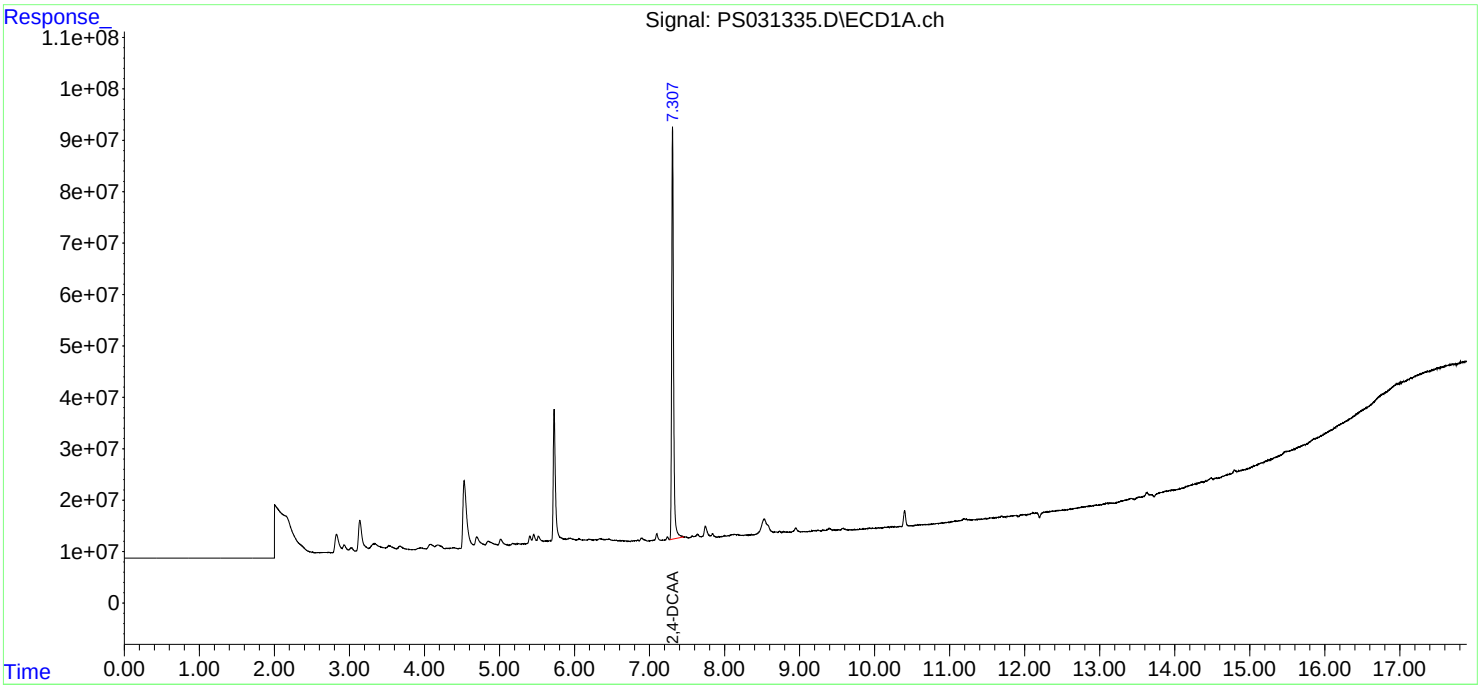
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

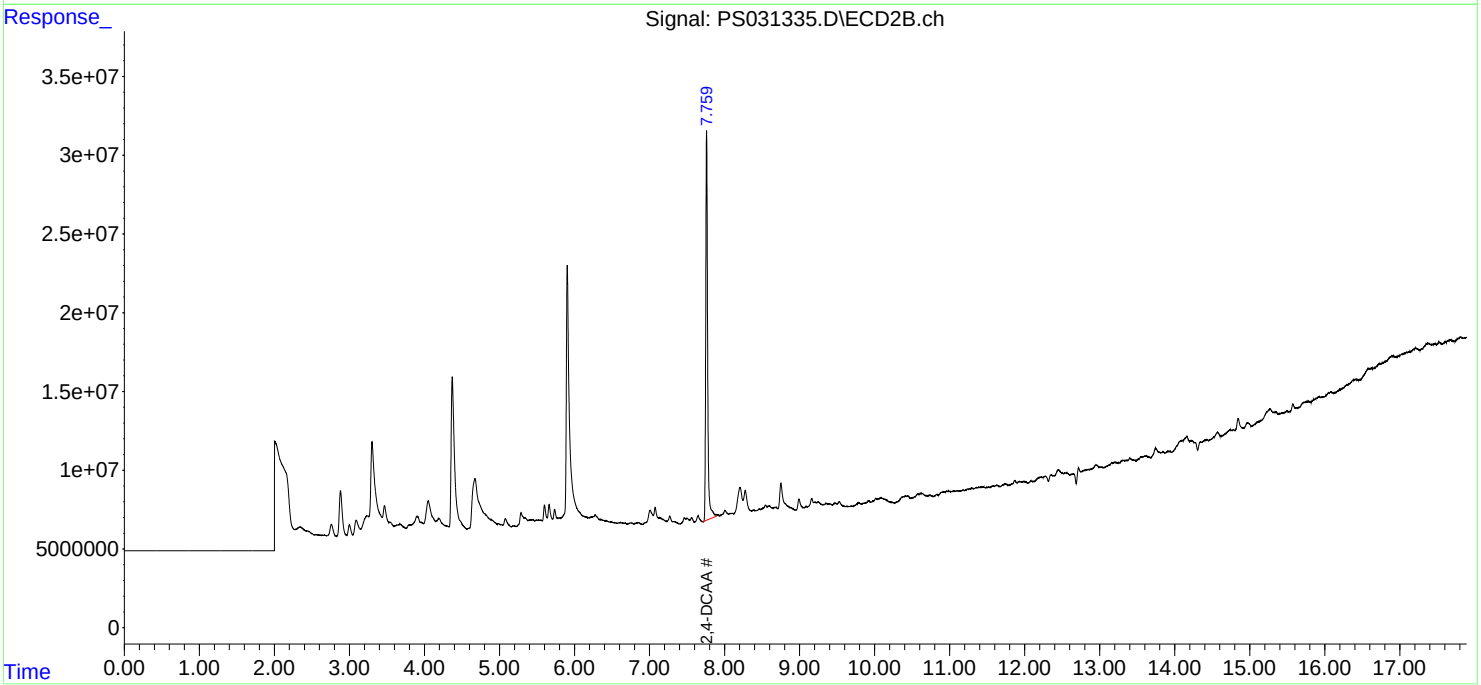
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:36
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

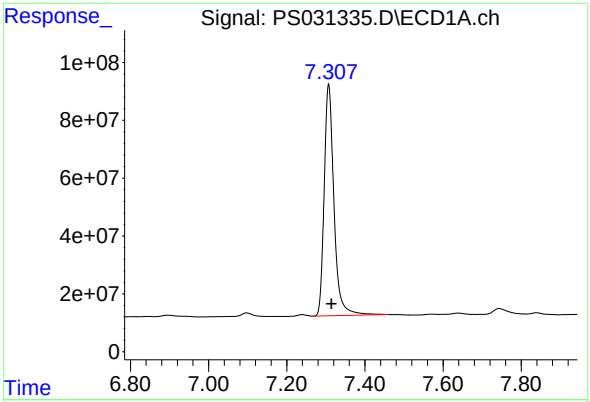
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:33:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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



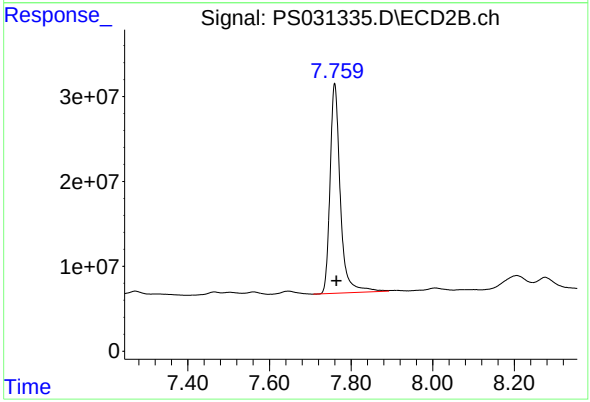




#4 2,4-DCAA

R.T.: 7.307 min
Delta R.T.: -0.007 min
Response: 1393368655
Conc: 478.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.760 min
Delta R.T.: -0.004 min
Response: 431903074
Conc: 517.20 ng/ml

Raw Data: **PS031182.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168945BS	SDG No.:	Q2639
Lab Sample ID:	PB168945BS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031182.D	1	07/22/25 09:05	07/23/25 10:57	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.17		0.0077	0.033	0.067	mg/Kg
75-99-0	DALAPON	0.15		0.018	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.16		0.013	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.21		0.0090	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.17		0.0091	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.18		0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.18		0.024	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.17		0.011	0.033	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	529		27 - 122		106%	SPK: 500

Comments:

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

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

Sample Results: **PS031182.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:57
Operator : AR\AJ
Sample : PB168945BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168945BS

Manual Integrations APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.321	7.765	2300.6E6	514.3E6	529.094m	506.690
	Target Compounds						
1) T	Dalapon	2.686	2.703	2836.9E6	1265.4E6	452.253	446.071
2) T	3,5-DICHL...	6.484	6.712	2954.5E6	716.1E6	534.977	465.035
3) T	4-Nitroph...	7.121	7.299	842.3E6	825.5E6	510.878	456.273
5) T	DICAMBA	7.511	7.967	8153.2E6	3084.7E6	494.221	477.998
6) T	MCPP	7.690	8.066	470.5E6	138.0E6	47.003	66.401 #
7) T	MCPA	7.840	8.312	596.5E6	147.7E6	47.664	46.807
8) T	DICHLORPROP	8.222	8.686	1876.4E6	728.9E6	490.953	481.148
9) T	2,4-D	8.454	9.023	2301.4E6	813.0E6	616.181	478.705
10) T	Pentachlo...	8.759	9.545	29745.8E6	19677.7E6	544.580	503.507
11) T	2,4,5-TP ...	9.338	9.926	11211.0E6	7260.8E6	510.670	487.490
12) T	2,4,5-T	9.632	10.353	10292.3E6	6906.8E6	527.057	485.731
13) T	2,4-DB	10.208	10.921	1569.6E6	577.9E6	524.984	493.736
14) T	DINOSEB	11.422	11.305	7848.8E6	5451.6E6	504.116	482.349
15) T	Picloram	11.234	12.416	10332.8E6	11638.2E6	516.471	467.492
16) T	DCPA	11.719	12.350	14880.0E6	10312.1E6	518.585	447.652

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

Sample Results: **PS031182.D**

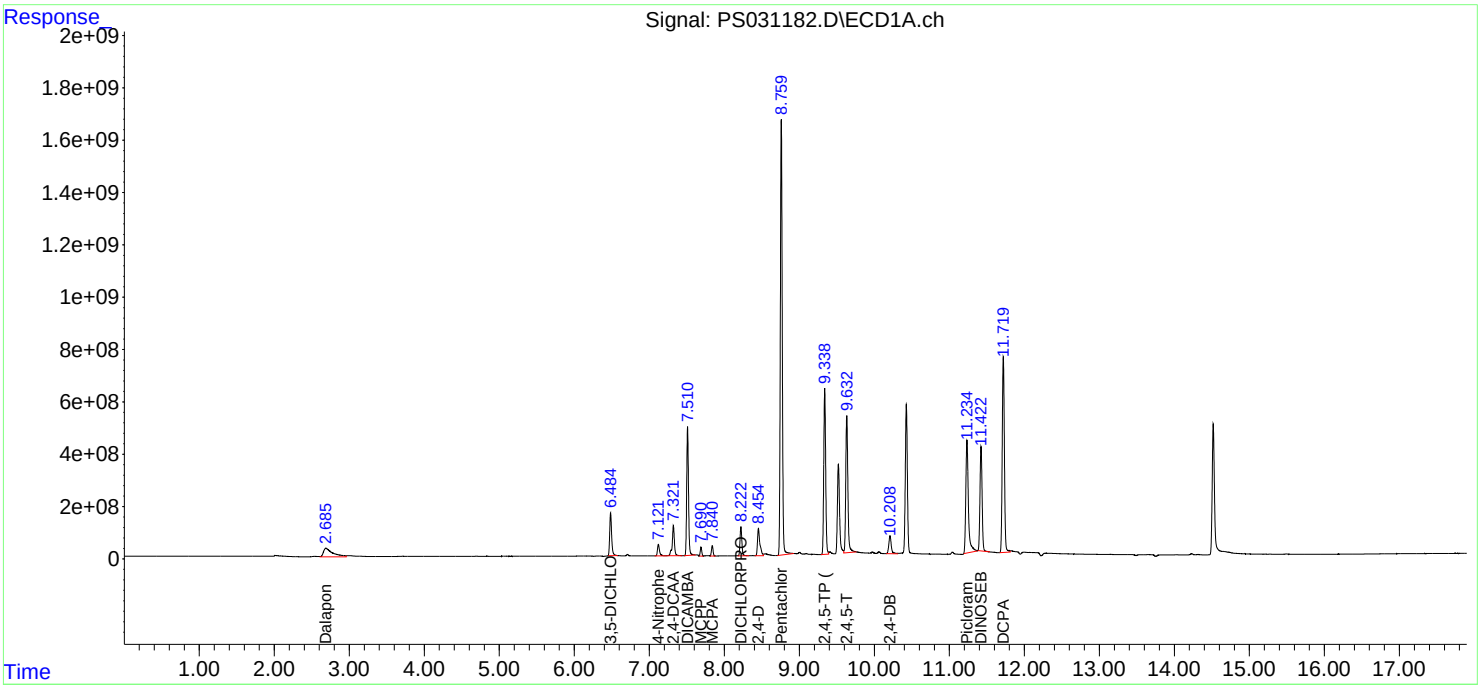
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:57
Operator : AR\AJ
Sample : PB168945BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

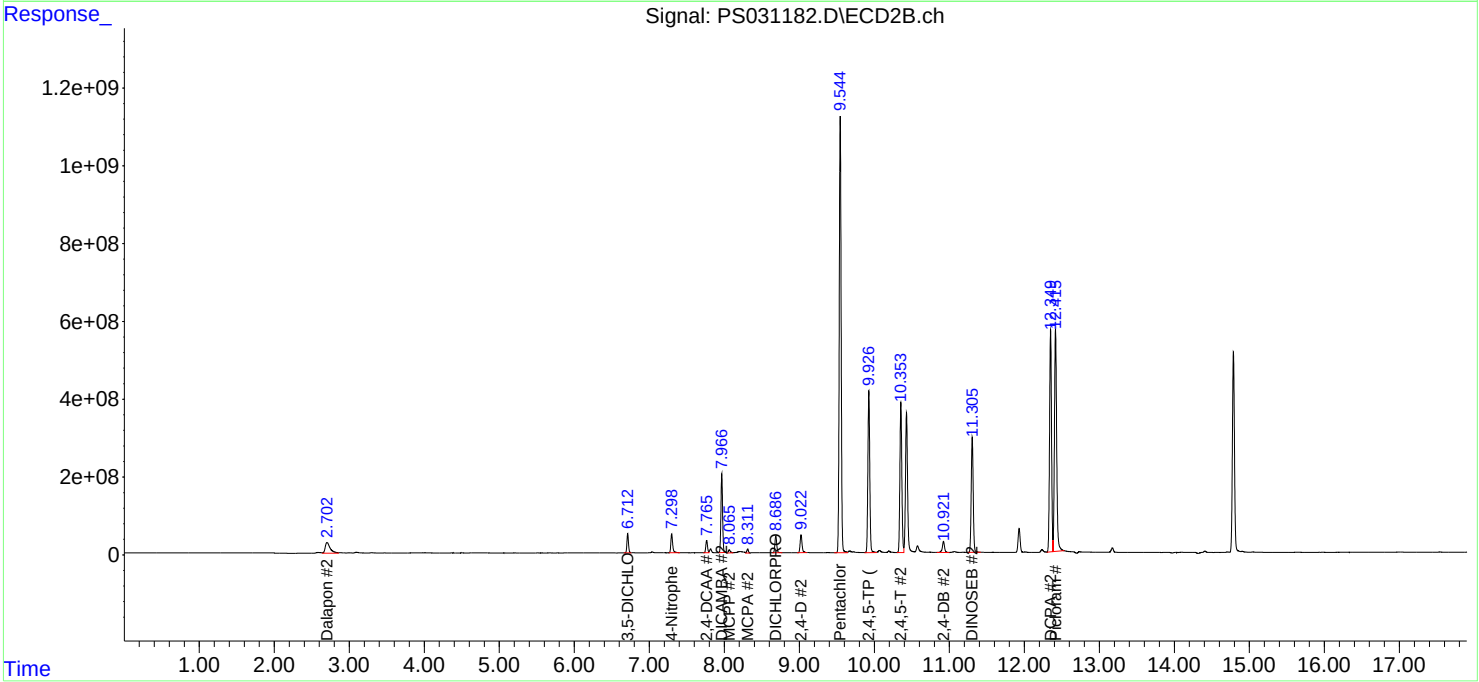
Instrument :
ECD_S
ClientSampleId :
PB168945BS

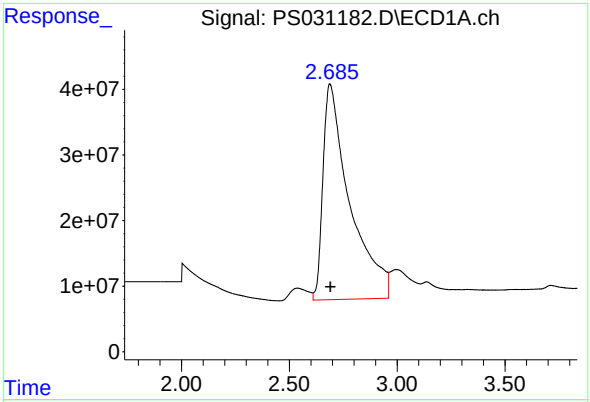
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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







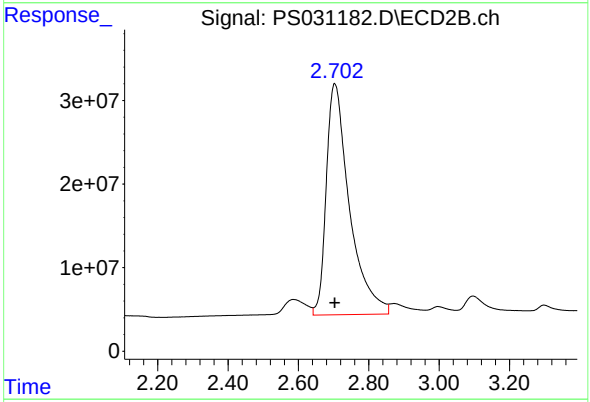
#1 Dalapon

R.T.: 2.686 min
Delta R.T.: -0.004 min
Response: 2836942675
Conc: 452.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

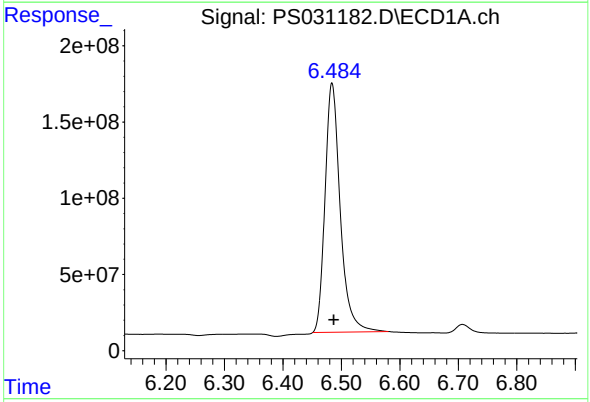
Manual Integrations APPROVED

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



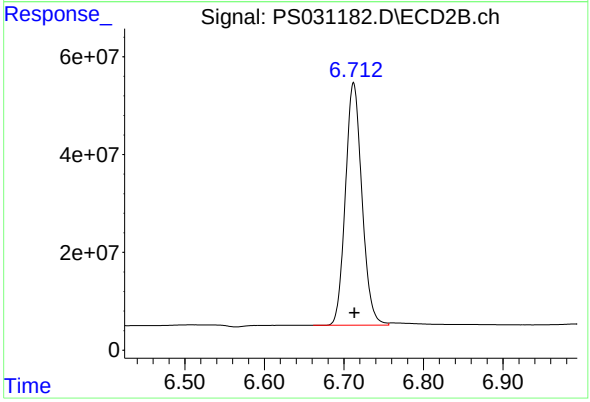
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1265386376
Conc: 446.07 ng/ml



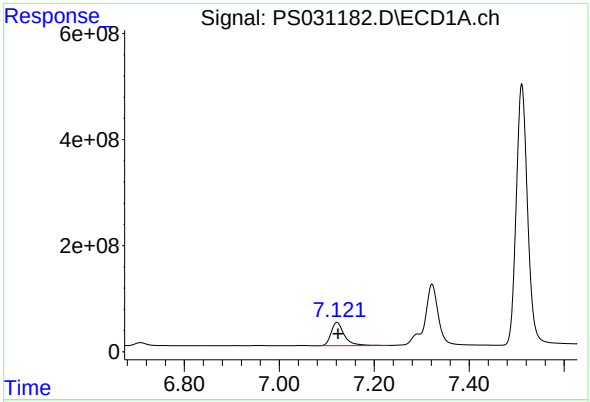
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 2954544378
Conc: 534.98 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.712 min
Delta R.T.: 0.000 min
Response: 716105055
Conc: 465.04 ng/ml



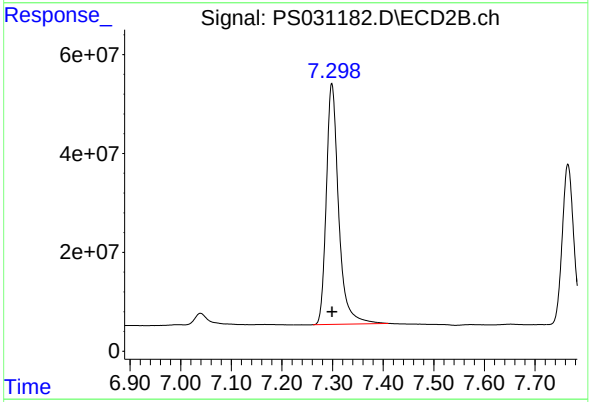
#3 4-Nitrophenol

R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 842327512
Conc: 510.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

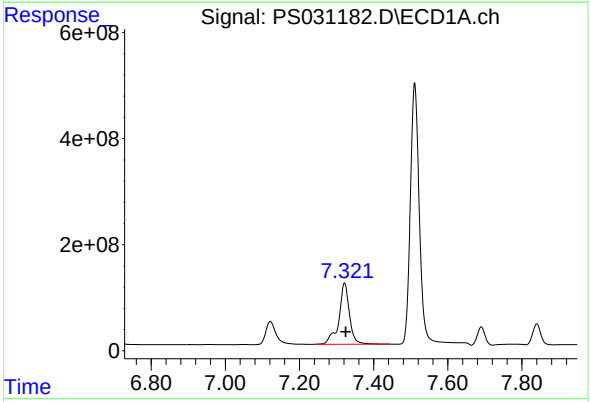
Manual Integrations
APPROVED

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



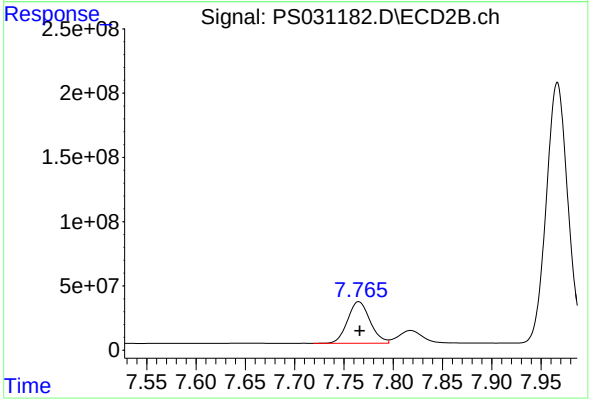
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 825542788
Conc: 456.27 ng/ml



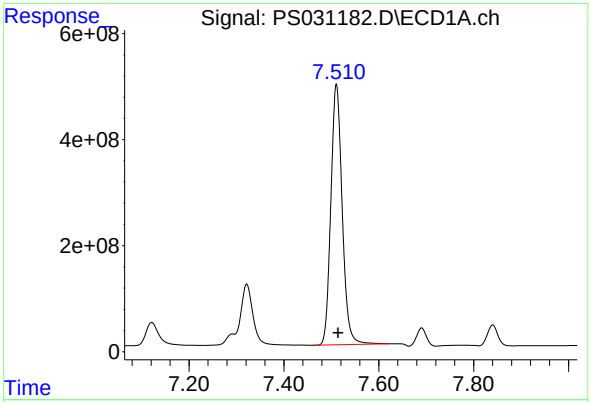
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 2300632627
Conc: 529.09 ng/ml m



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.001 min
Response: 514273960
Conc: 506.69 ng/ml



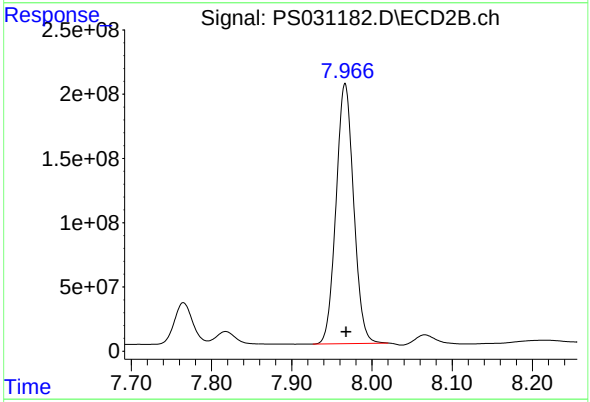
#5 DICAMBA

R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 8153150517
Conc: 494.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

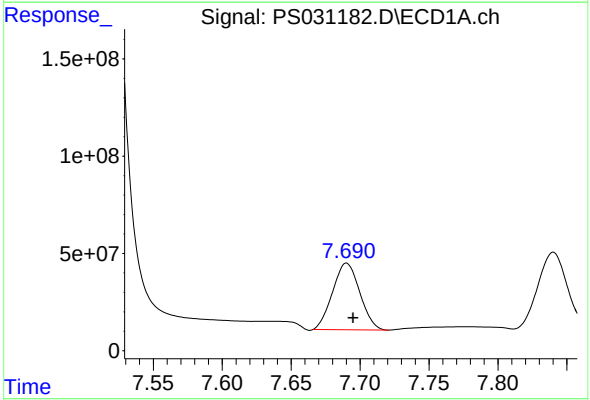
Manual Integrations
APPROVED

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



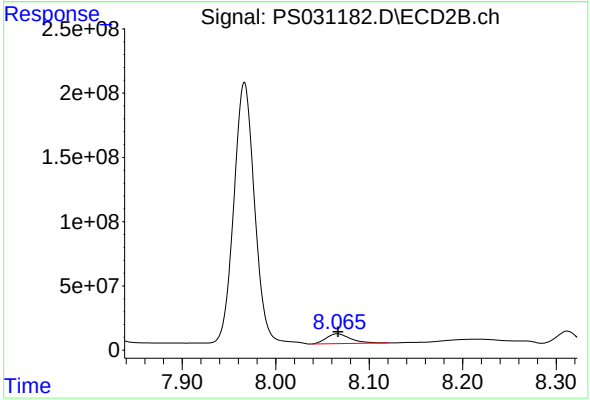
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.001 min
Response: 3084698759
Conc: 478.00 ng/ml



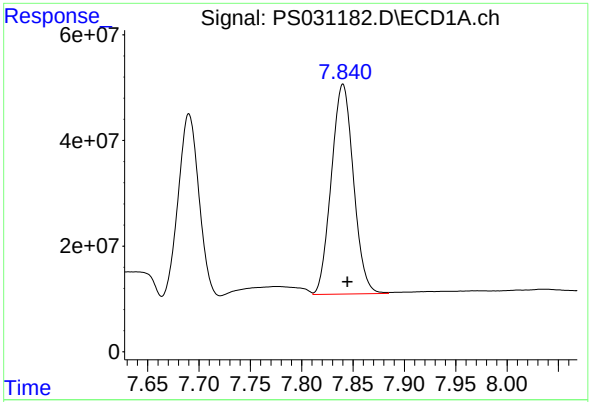
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.005 min
Response: 470504704
Conc: 47.00 ug/ml



#6 MCPP

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 137967938
Conc: 66.40 ug/ml



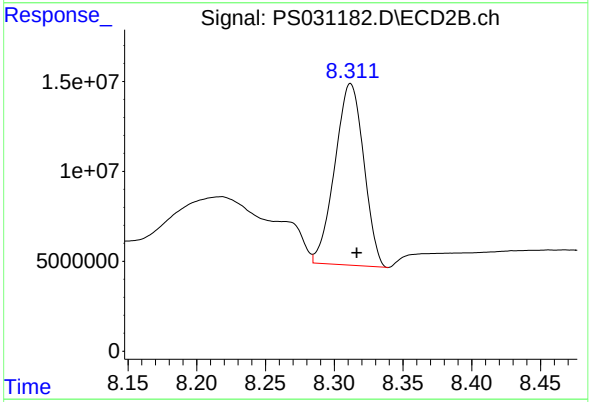
#7 MCPA

R.T.: 7.840 min
Delta R.T.: -0.004 min
Response: 596472365
Conc: 47.66 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

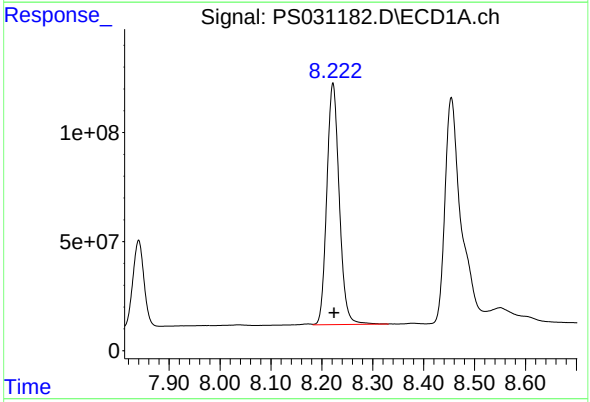
Manual Integrations
APPROVED

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



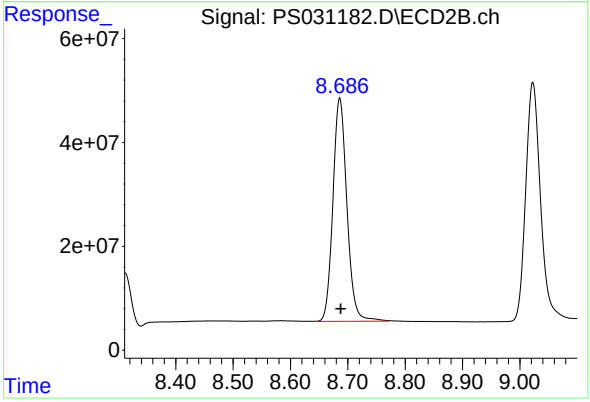
#7 MCPA

R.T.: 8.312 min
Delta R.T.: -0.004 min
Response: 147684649
Conc: 46.81 ug/ml



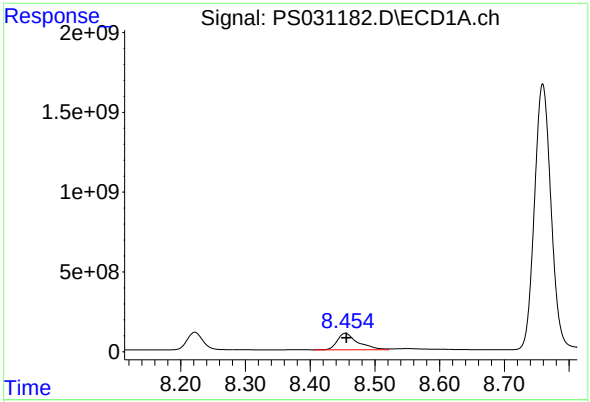
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.003 min
Response: 1876398601
Conc: 490.95 ng/ml



#8 DICHLORPROP

R.T.: 8.686 min
Delta R.T.: -0.002 min
Response: 728871327
Conc: 481.15 ng/ml



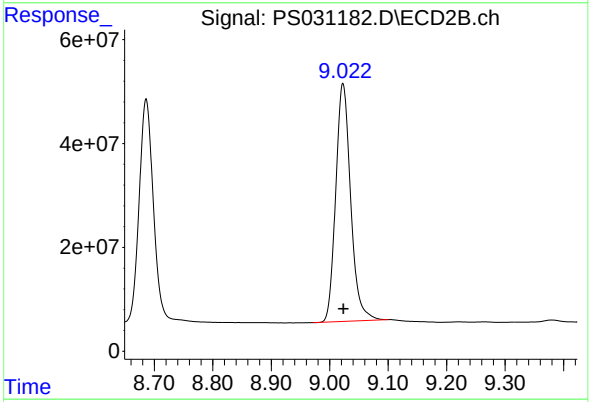
#9 2,4-D

R.T.: 8.454 min
Delta R.T.: -0.002 min
Response: 2301386343
Conc: 616.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

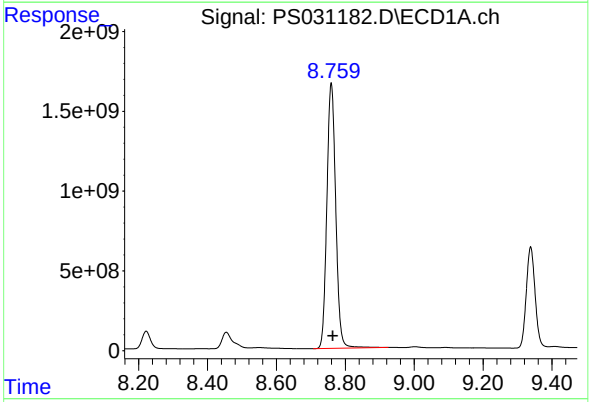
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



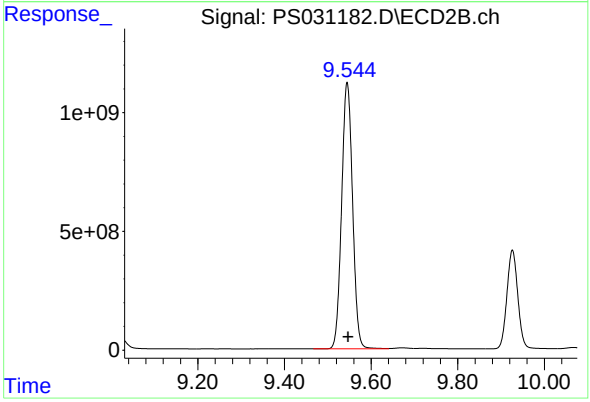
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: -0.001 min
Response: 812993476
Conc: 478.70 ng/ml



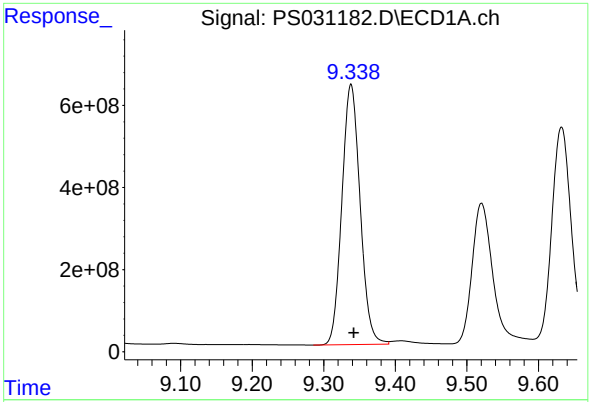
#10 Pentachlorophenol

R.T.: 8.759 min
Delta R.T.: -0.005 min
Response: 29745788032
Conc: 544.58 ng/ml



#10 Pentachlorophenol

R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 19677661106
Conc: 503.51 ng/ml



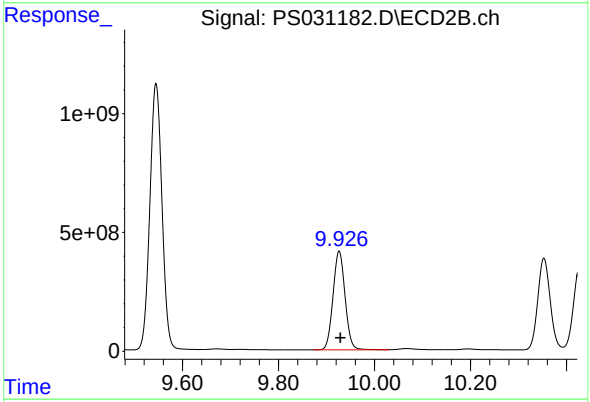
#11 2,4,5-TP (SILVEX)

R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 11211030710
Conc: 510.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

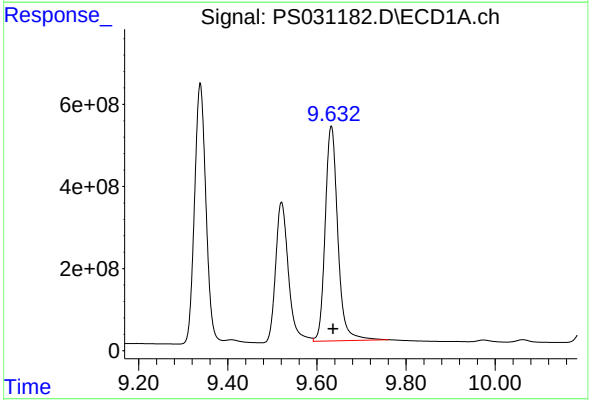
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



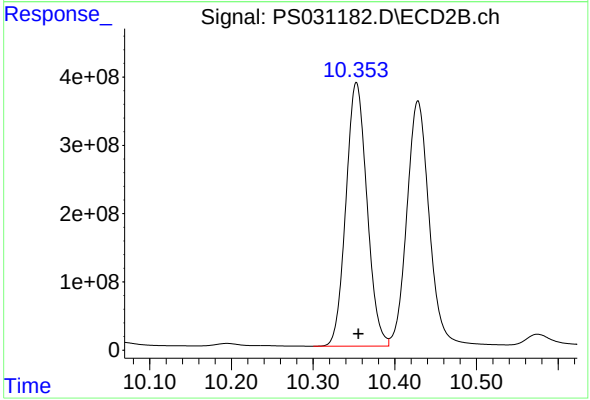
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 7260766965
Conc: 487.49 ng/ml



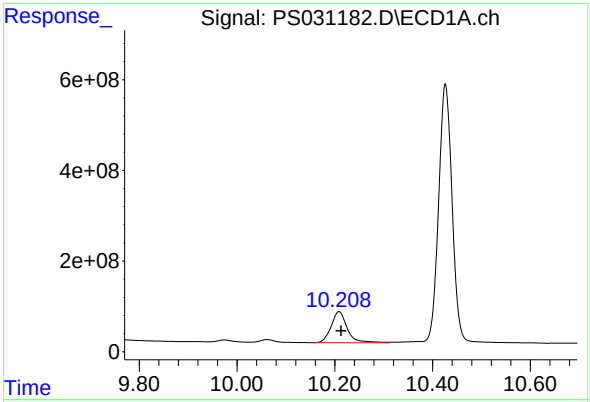
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 10292257681
Conc: 527.06 ng/ml



#12 2,4,5-T

R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 6906832805
Conc: 485.73 ng/ml



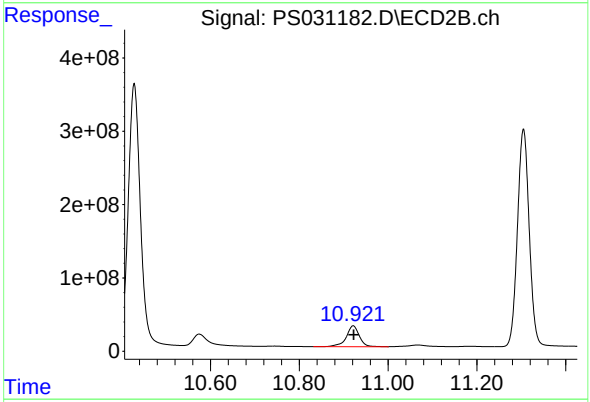
#13 2,4-DB

R.T.: 10.208 min
Delta R.T.: -0.004 min
Response: 1569642134
Conc: 524.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

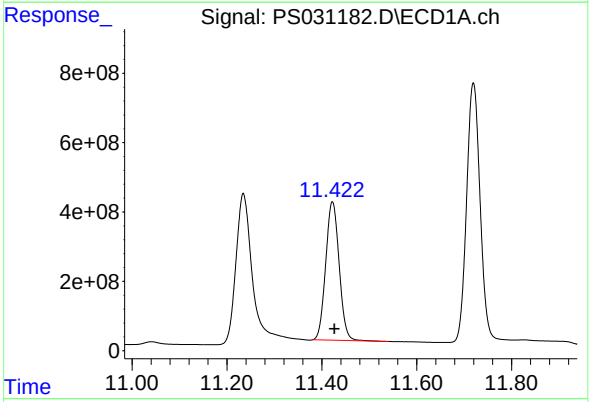
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



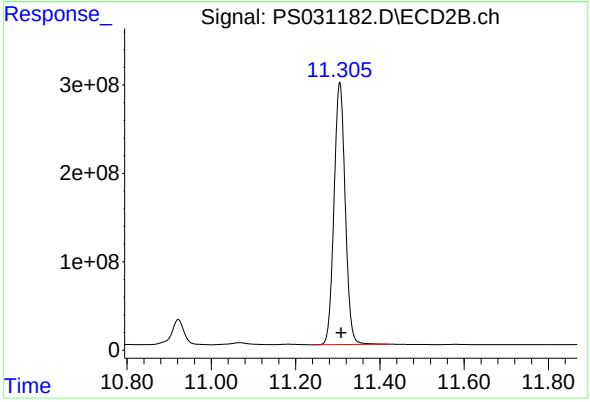
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.001 min
Response: 577923716
Conc: 493.74 ng/ml



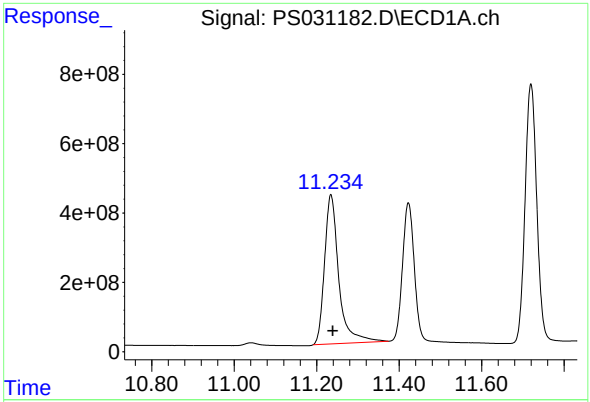
#14 DINOSEB

R.T.: 11.422 min
Delta R.T.: -0.004 min
Response: 7848827519
Conc: 504.12 ng/ml



#14 DINOSEB

R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 5451552613
Conc: 482.35 ng/ml



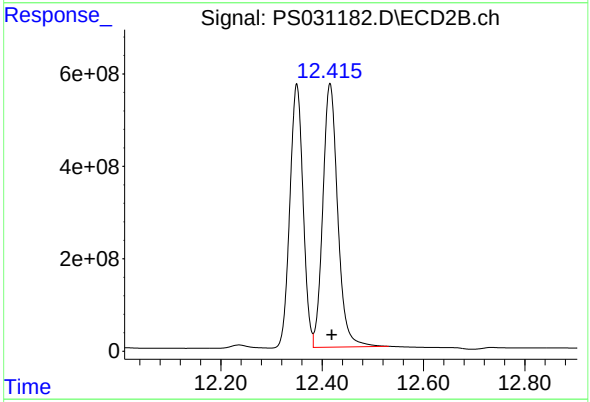
#15 Picloram

R.T.: 11.234 min
Delta R.T.: -0.004 min
Response: 10332826266
Conc: 516.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS

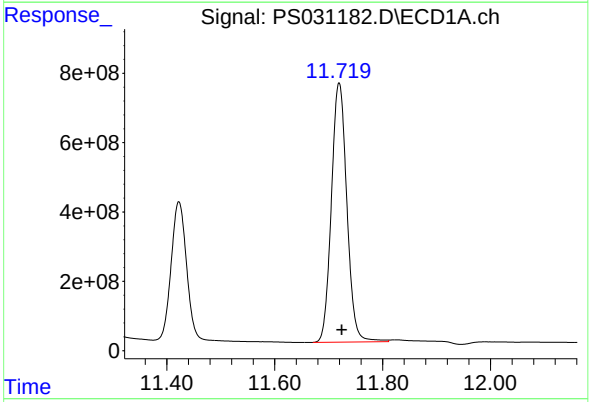
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/25/2025



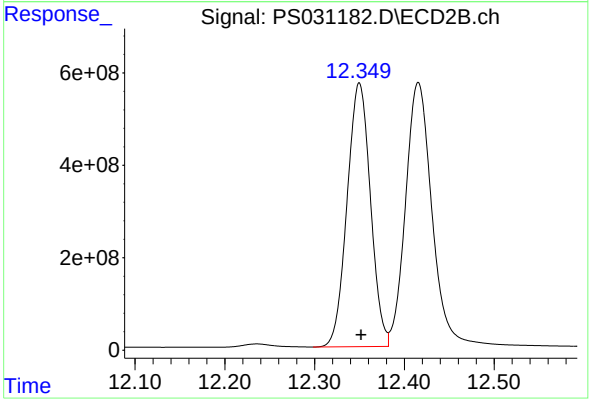
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.003 min
Response: 11638226865
Conc: 467.49 ng/ml



#16 DCPA

R.T.: 11.719 min
Delta R.T.: -0.005 min
Response: 14880001208
Conc: 518.58 ng/ml



#16 DCPA

R.T.: 12.350 min
Delta R.T.: -0.002 min
Response: 10312133648
Conc: 447.65 ng/ml

Raw Data: **PS031224.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725MS	SDG No.:	Q2639
Lab Sample ID:	Q2638-11MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81.9 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031224.D	1	07/22/25 09:05	07/24/25 14:08	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.12		0.0095	0.040	0.082	mg/Kg
75-99-0	DALAPON	0.21	P	0.021	0.061	0.082	mg/Kg
120-36-5	DICHLORPROP	0.13		0.016	0.040	0.082	mg/Kg
94-75-7	2,4-D	0.15		0.011	0.040	0.082	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.13		0.011	0.040	0.082	mg/Kg
93-76-5	2,4,5-T	0.13		0.011	0.040	0.082	mg/Kg
94-82-6	2,4-DB	0.11		0.030	0.040	0.082	mg/Kg
88-85-7	DINOSEB	0.040	U	0.013	0.040	0.082	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	312		27 - 122		62%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:08
Operator : AR\AJ
Sample : Q2638-11MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.320	7.764	1246.6E6	317.1E6	286.690	312.465
	Target Compounds						
1) T	Dalapon	2.678	2.701	938.3E6	1489.7E6	149.587m	525.134m#
2) T	3,5-DICHL...	6.483	6.711	1690.1E6	463.2E6	306.020	300.831
3) T	4-Nitroph...	7.119	7.298	423.8E6	435.5E6	257.034	240.722
5) T	DICAMBA	7.509	7.966	4646.0E6	1806.3E6	281.628	279.893
6) T	MCPP	7.688	8.063	244.0E6	46583331	24.375	22.419
7) T	MCPA	7.837	8.310	334.0E6	59176547	26.691	18.755 #
8) T	DICHLORPROP	8.220	8.685	1181.1E6	454.0E6	309.035	299.697
9) T	2,4-D	8.451	9.021	1398.5E6	608.4E6	374.427	358.212
10) T	Pentachlo...	8.757	9.545	16524.6E6	10431.4E6	302.529	266.917
11) T	2,4,5-TP ...	9.336	9.925	6903.1E6	4355.0E6	314.440	292.394m
12) T	2,4,5-T	9.630	10.352	6419.1E6	4171.5E6	328.718	293.366
13) T	2,4-DB	10.207	10.920	700.0E6	320.9E6	234.107m	274.132
15) T	Picloram	11.229	12.415	5499.3E6	5460.0E6	274.874m	219.319
16) T	DCPA	11.714	12.349	6525.3E6	6541.7E6	227.416	283.975

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Sample Results: **PS031224.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:08
Operator : AR\AJ
Sample : Q2638-11MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

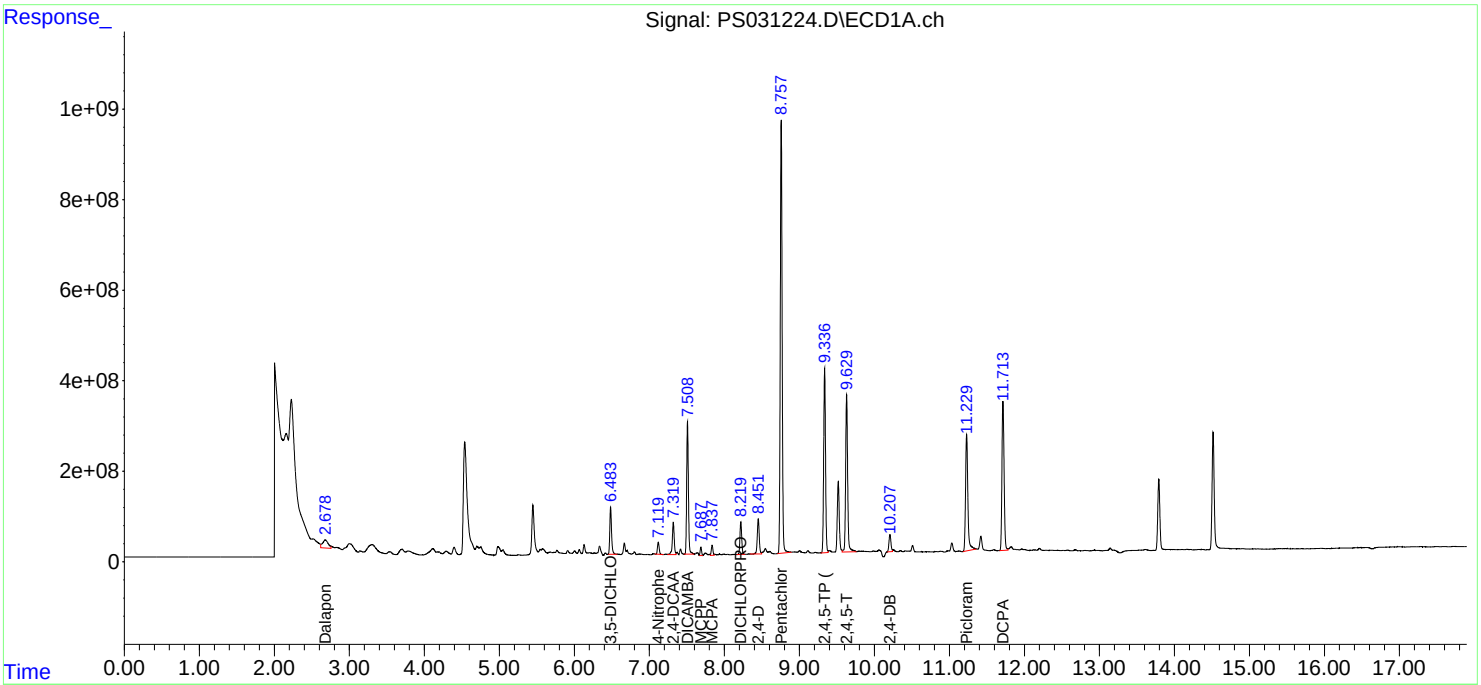
Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

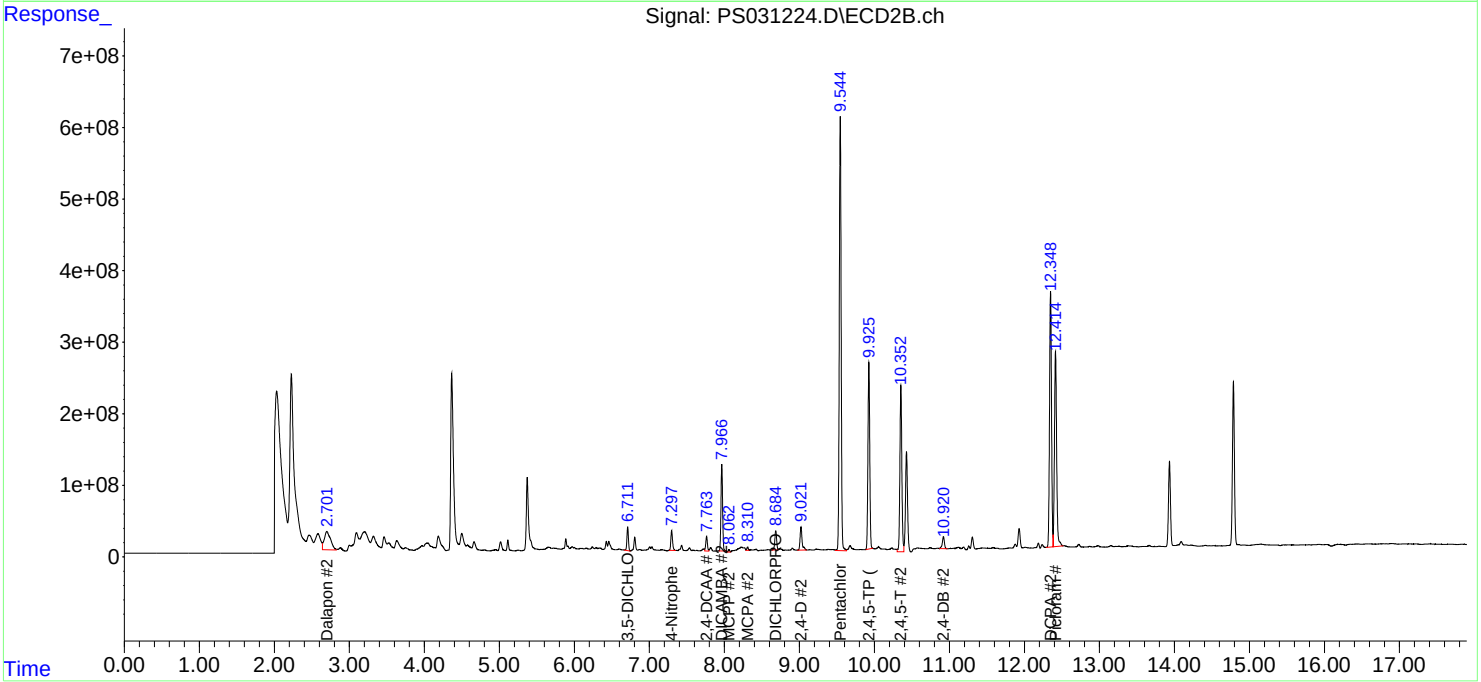
Manual Integrations APPROVED

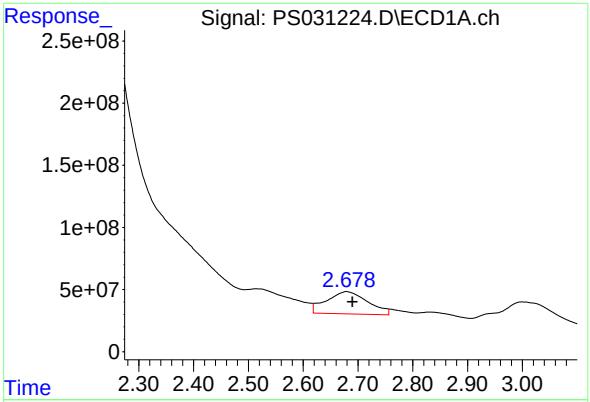
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







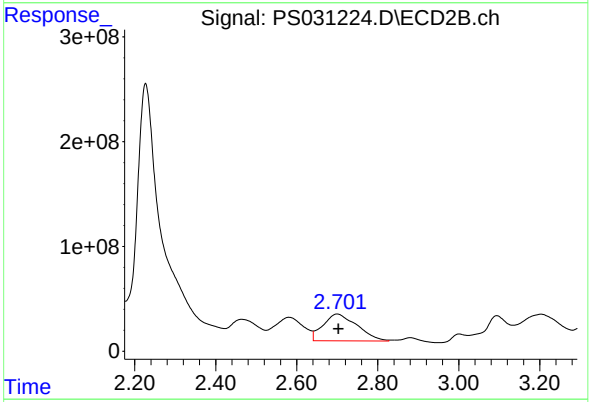
#1 Dalapon

R.T.: 2.678 min
Delta R.T.: -0.012 min
Response: 938343554
Conc: 149.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

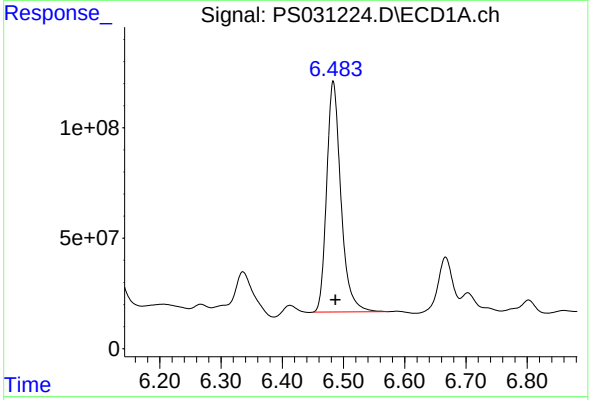
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



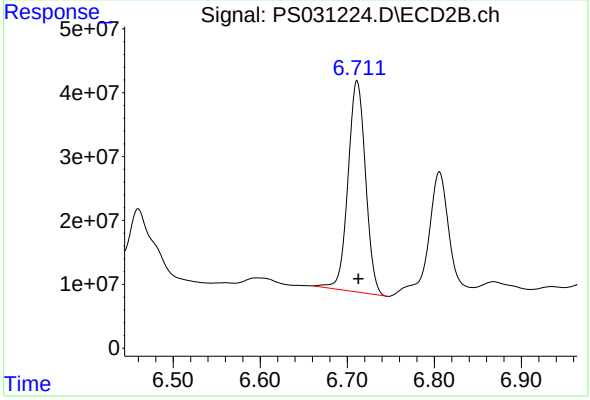
#1 Dalapon

R.T.: 2.701 min
Delta R.T.: -0.003 min
Response: 1489669391
Conc: 525.13 ng/ml m



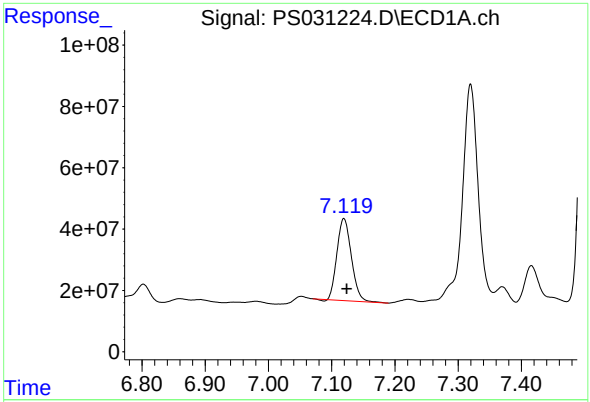
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 1690071144
Conc: 306.02 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 463248534
Conc: 300.83 ng/ml



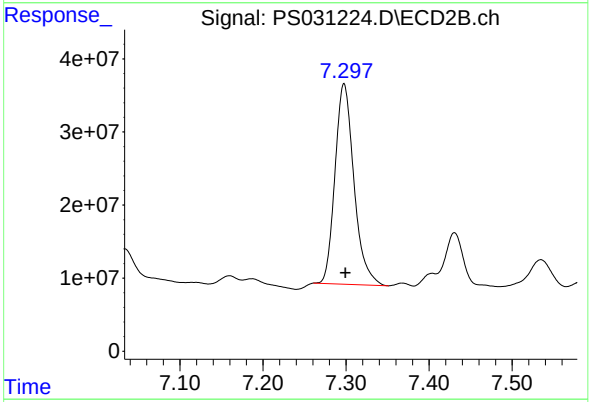
#3 4-Nitrophenol

R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 423793288
Conc: 257.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

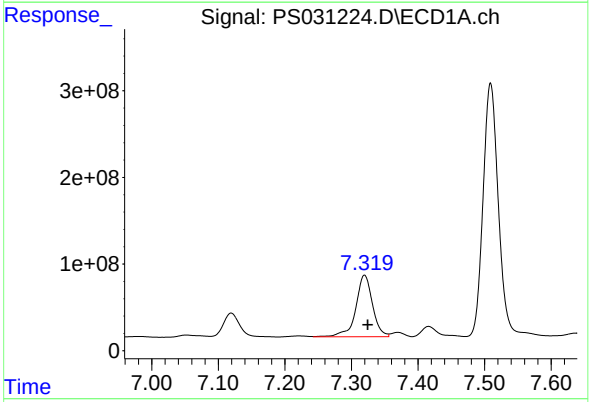
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



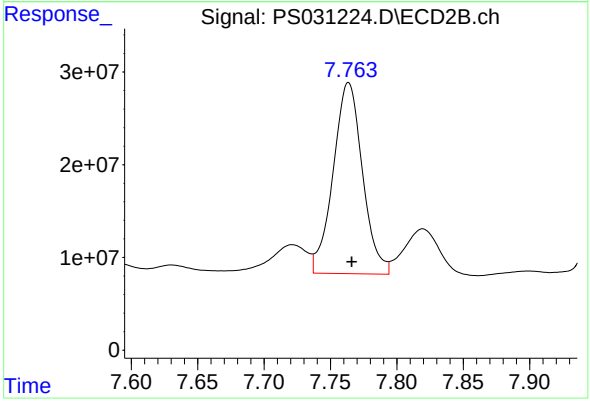
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 435542721
Conc: 240.72 ng/ml



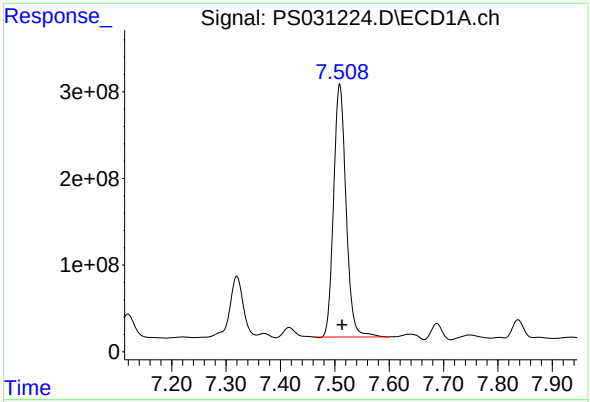
#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1246601439
Conc: 286.69 ng/ml



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 317142086
Conc: 312.47 ng/ml



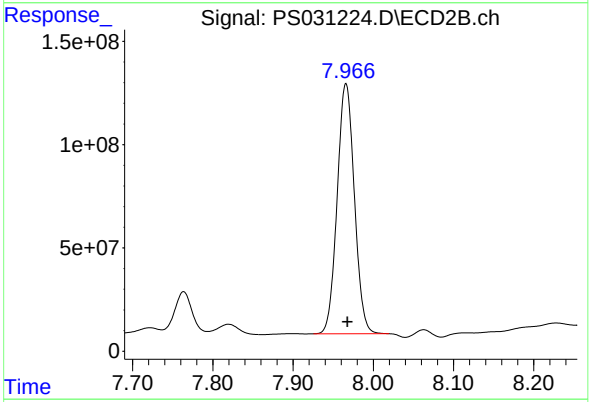
#5 DICAMBA

R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 4646004188
Conc: 281.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

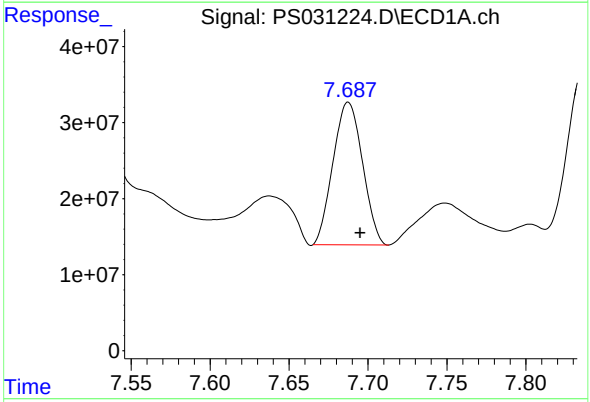
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



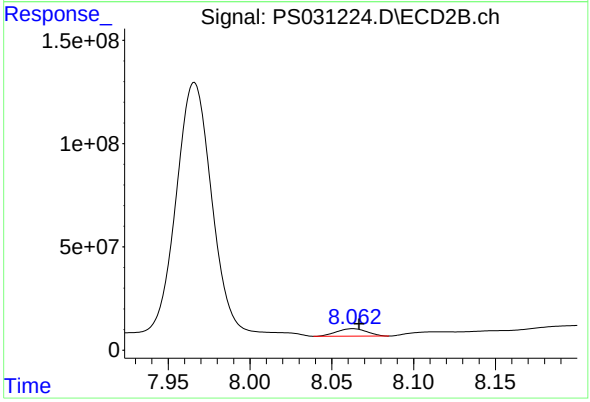
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 1806255092
Conc: 279.89 ng/ml



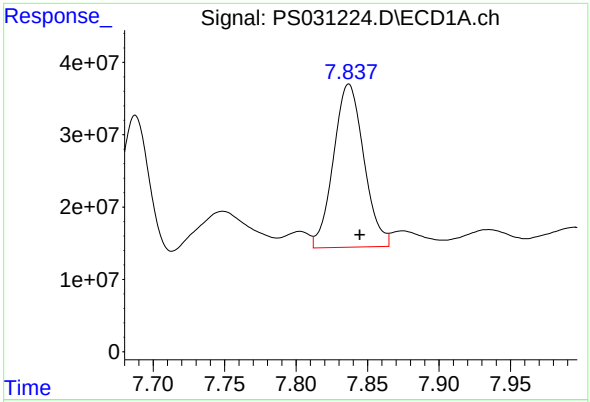
#6 MCPP

R.T.: 7.688 min
Delta R.T.: -0.007 min
Response: 243998366
Conc: 24.38 ug/ml



#6 MCPP

R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 46583331
Conc: 22.42 ug/ml



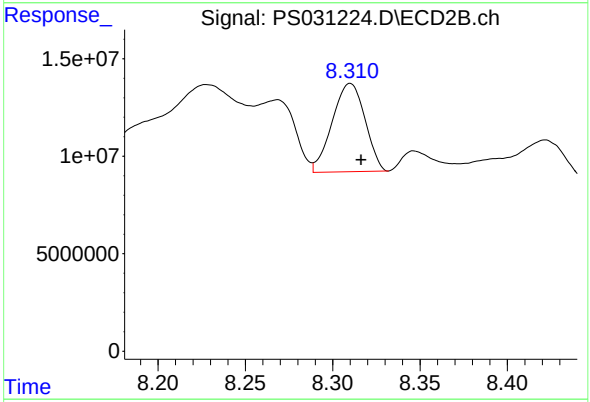
#7 MCPA

R.T.: 7.837 min
Delta R.T.: -0.008 min
Response: 334022340
Conc: 26.69 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

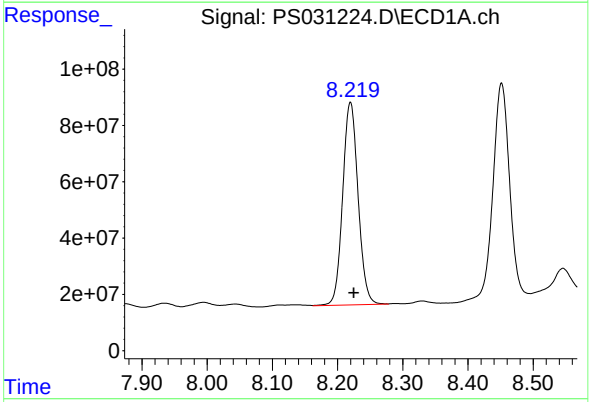
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



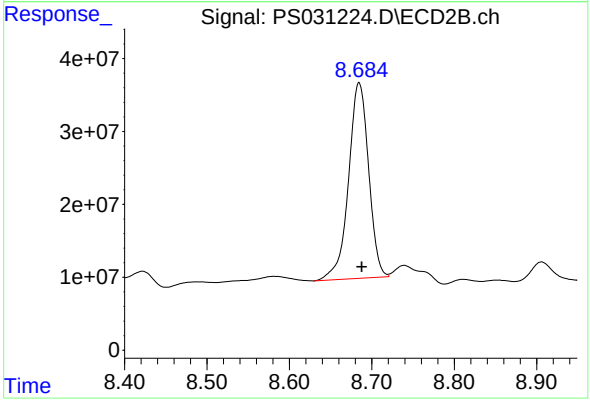
#7 MCPA

R.T.: 8.310 min
Delta R.T.: -0.006 min
Response: 59176547
Conc: 18.76 ug/ml



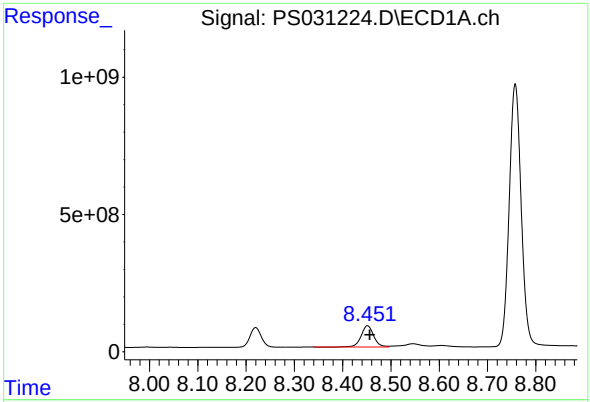
#8 DICHLORPROP

R.T.: 8.220 min
Delta R.T.: -0.005 min
Response: 1181119344
Conc: 309.04 ng/ml



#8 DICHLORPROP

R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 453999145
Conc: 299.70 ng/ml



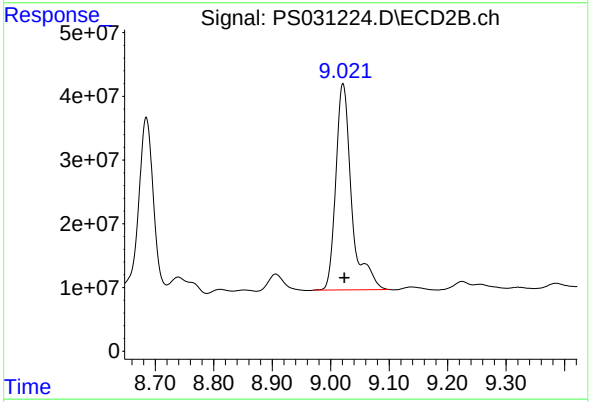
#9 2,4-D

R.T.: 8.451 min
Delta R.T.: -0.005 min
Response: 1398452509
Conc: 374.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

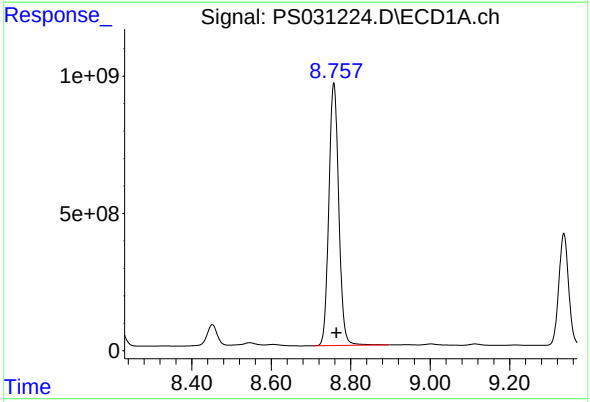
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



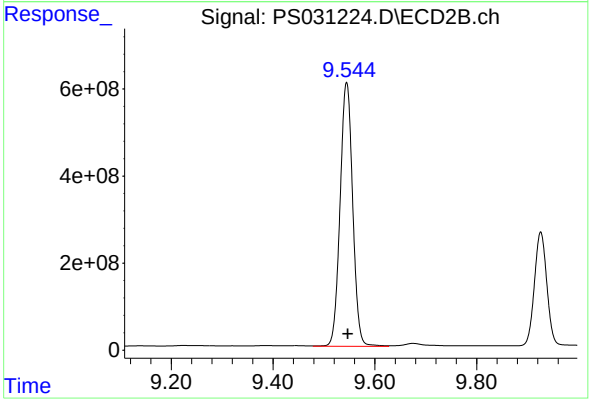
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 608358503
Conc: 358.21 ng/ml



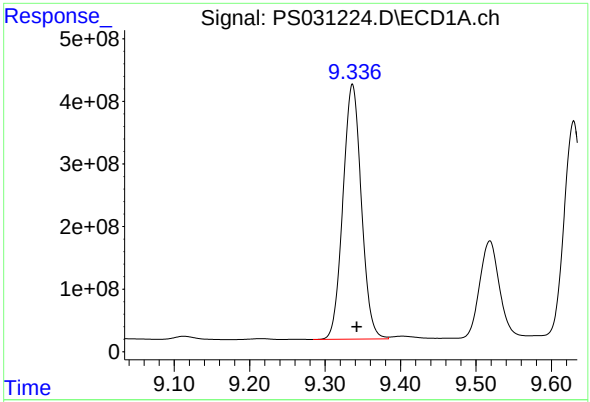
#10 Pentachlorophenol

R.T.: 8.757 min
Delta R.T.: -0.006 min
Response: 16524577795
Conc: 302.53 ng/ml



#10 Pentachlorophenol

R.T.: 9.545 min
Delta R.T.: -0.003 min
Response: 10431447789
Conc: 266.92 ng/ml



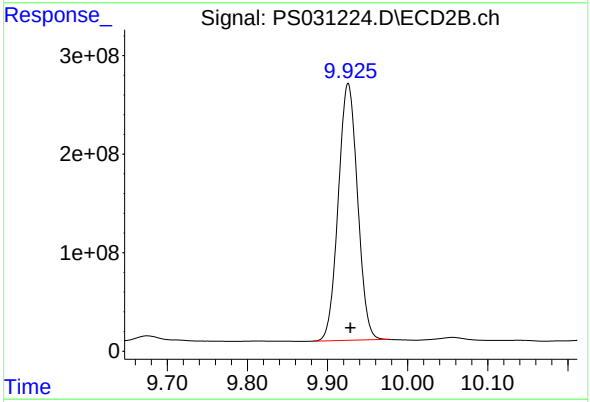
#11 2,4,5-TP (SILVEX)

R.T.: 9.336 min
Delta R.T.: -0.006 min
Response: 6903081477
Conc: 314.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

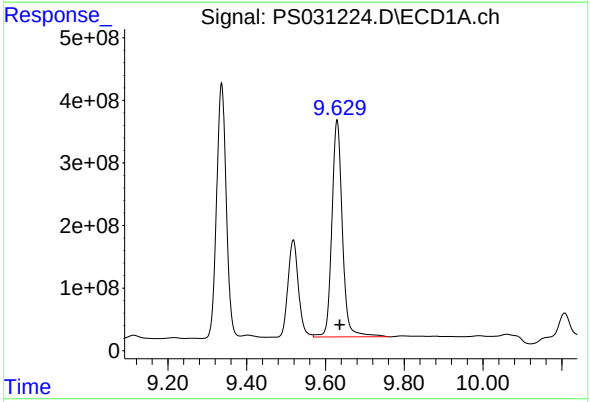
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



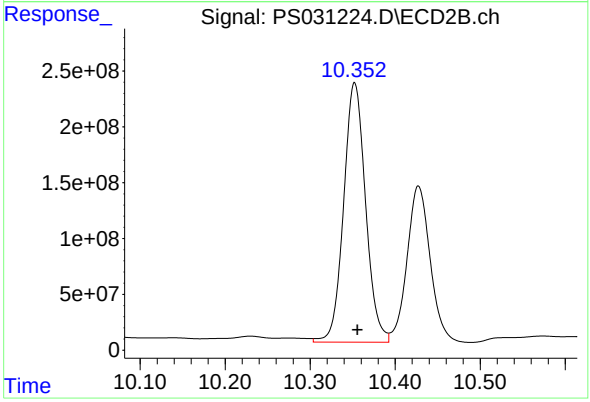
#11 2,4,5-TP (SILVEX)

R.T.: 9.925 min
Delta R.T.: -0.003 min
Response: 4354964782
Conc: 292.39 ng/ml m



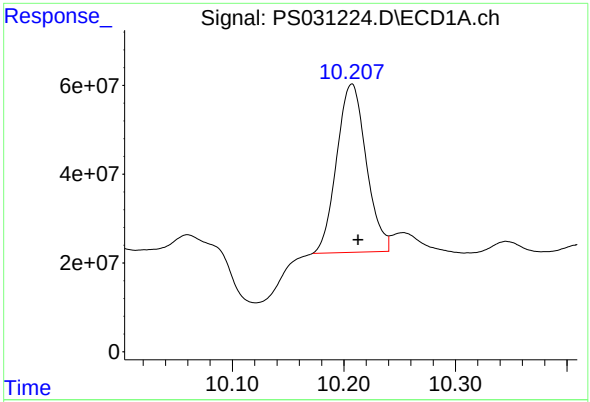
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 6419145503
Conc: 328.72 ng/ml



#12 2,4,5-T

R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 4171511784
Conc: 293.37 ng/ml



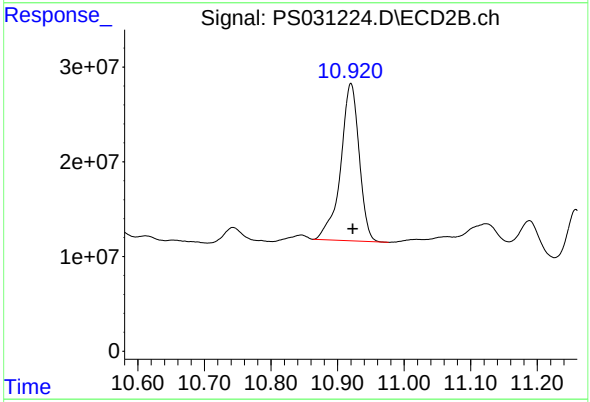
#13 2,4-DB

R.T.: 10.207 min
Delta R.T.: -0.005 min
Response: 699953288
Conc: 234.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

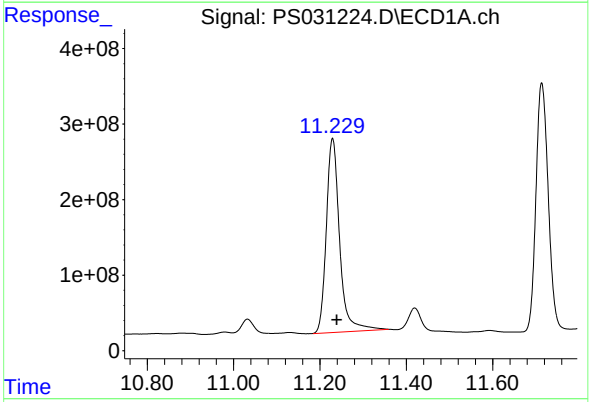
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



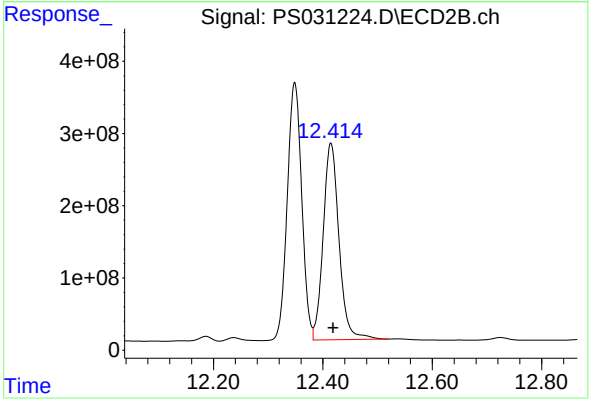
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 320874457
Conc: 274.13 ng/ml



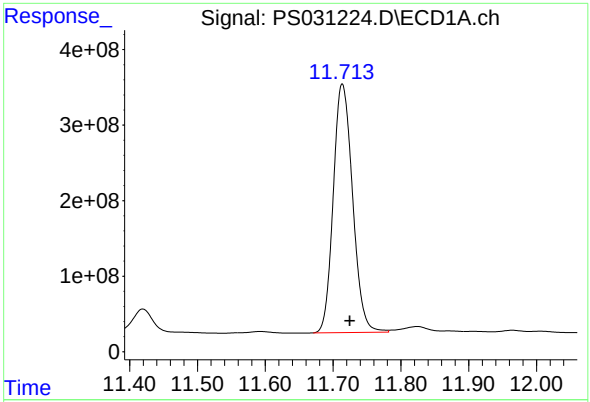
#15 Picloram

R.T.: 11.229 min
Delta R.T.: -0.010 min
Response: 5499282633
Conc: 274.87 ng/ml m



#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 5459960837
Conc: 219.32 ng/ml



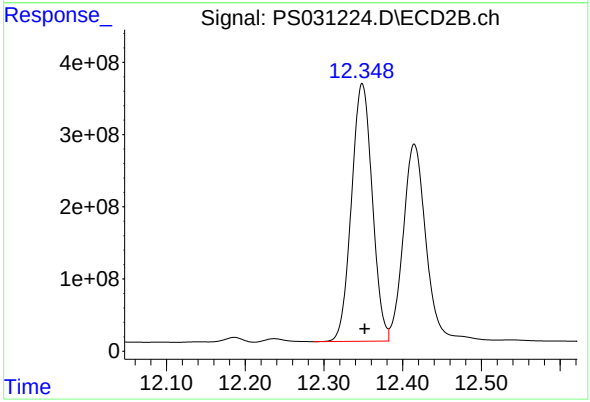
#16 DCPA

R.T.: 11.714 min
Delta R.T.: -0.011 min
Response: 6525345838
Conc: 227.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 6541661099
Conc: 283.98 ng/ml

Raw Data: **PS031225.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725MSD	SDG No.:	Q2639
Lab Sample ID:	Q2638-11MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81.9 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031225.D	1	07/22/25 09:05	07/24/25 14:38	PB168945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.11		0.0094	0.040	0.082	mg/Kg
75-99-0	DALAPON	0.19	P	0.021	0.061	0.082	mg/Kg
120-36-5	DICHLORPROP	0.12		0.016	0.040	0.082	mg/Kg
94-75-7	2,4-D	0.15		0.011	0.040	0.082	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.12		0.011	0.040	0.082	mg/Kg
93-76-5	2,4,5-T	0.13		0.011	0.040	0.082	mg/Kg
94-82-6	2,4-DB	0.11		0.030	0.040	0.082	mg/Kg
88-85-7	DINOSEB	0.040	U	0.013	0.040	0.082	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	289		27 - 122		58%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:38
Operator : AR\AJ
Sample : Q2638-11MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.321	7.763	1182.7E6	293.5E6	272.000	289.212
	Target Compounds						
1) T	Dalapon	2.681	2.697	929.2E6	1329.1E6	148.125m	468.524m#
2) T	3,5-DICHL...	6.484	6.710	1601.7E6	432.1E6	290.027	280.572
3) T	4-Nitroph...	7.121	7.297	401.7E6	405.8E6	243.642	224.262
5) T	DICAMBA	7.510	7.965	4385.7E6	1684.4E6	265.846	261.004
6) T	MCPP	7.690	8.062	228.4E6	43782966	22.816	21.072
7) T	MCPA	7.838	8.309	313.5E6	61286173	25.055	19.424
8) T	DICHLORPROP	8.221	8.684	1120.5E6	435.1E6	293.162	287.228
9) T	2,4-D	8.453	9.020	1400.6E6	523.8E6	375.005	308.450m
10) T	Pentachlo...	8.759	9.544	15735.7E6	9959.1E6	288.085	254.830
11) T	2,4,5-TP ...	9.338	9.925	6625.4E6	4213.6E6	301.793	282.906m
12) T	2,4,5-T	9.632	10.353	6100.6E6	3953.0E6	312.406	277.997
13) T	2,4-DB	10.208	10.920	659.6E6	302.0E6	220.617m	257.968
15) T	Picloram	11.232	12.415	5206.9E6	5024.0E6	260.260	201.807
16) T	DCPA	11.716	12.348	6191.0E6	6094.3E6	215.762	264.557m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:38
Operator : AR\AJ
Sample : Q2638-11MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

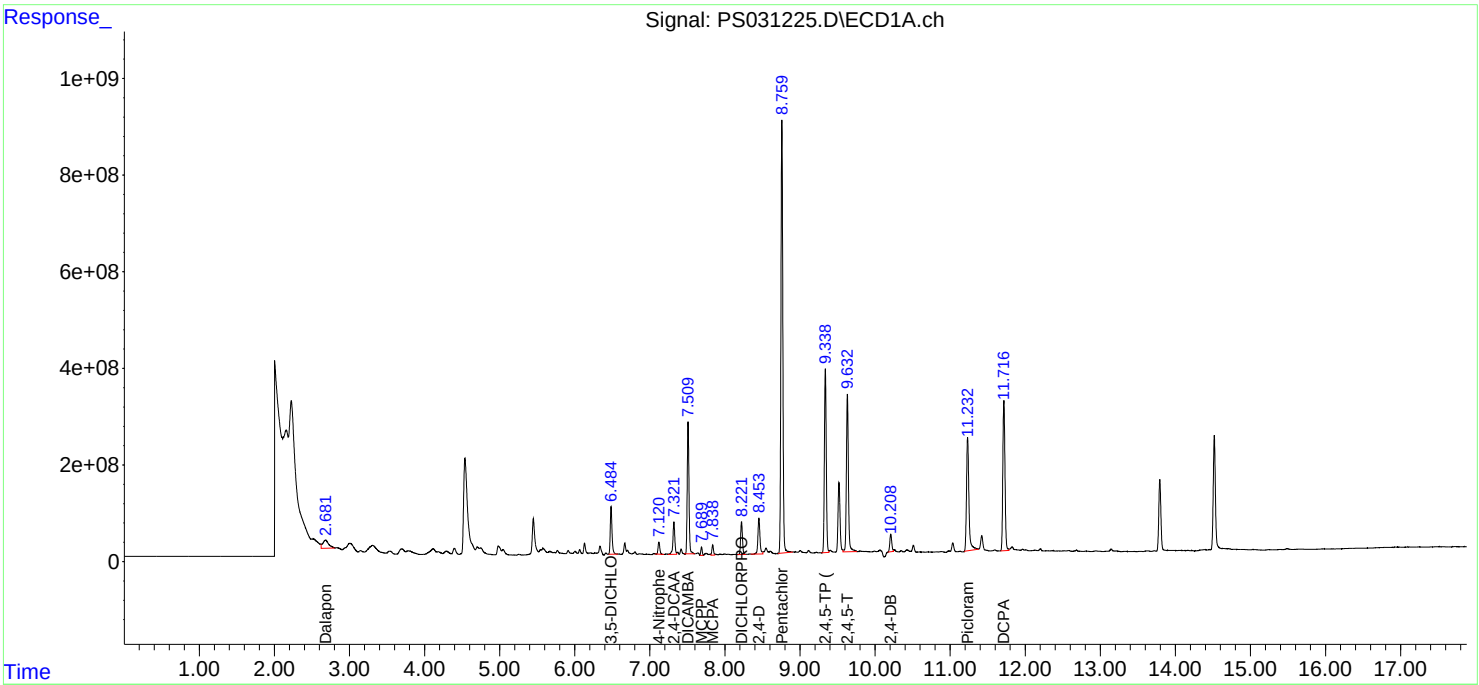
Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

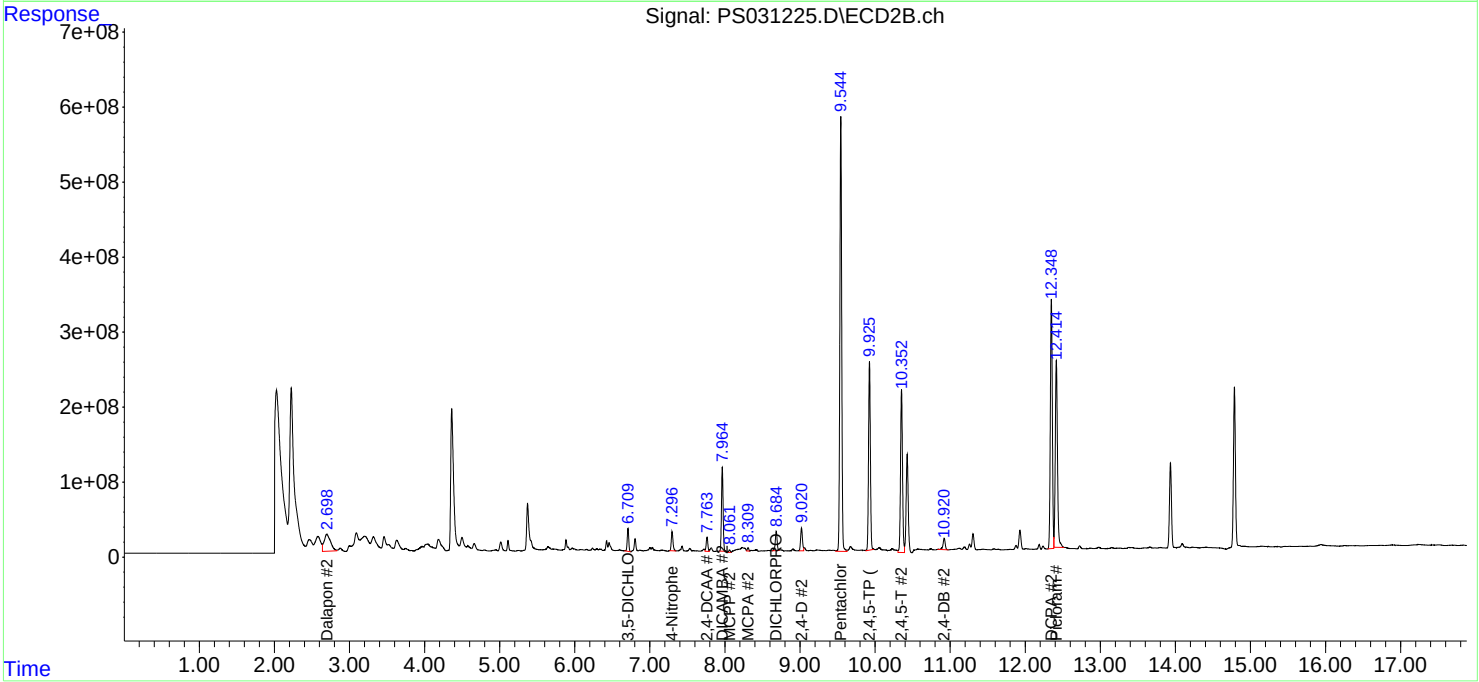
Manual Integrations APPROVED

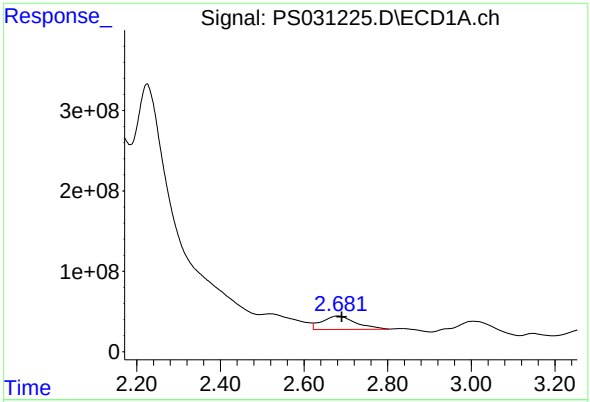
Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







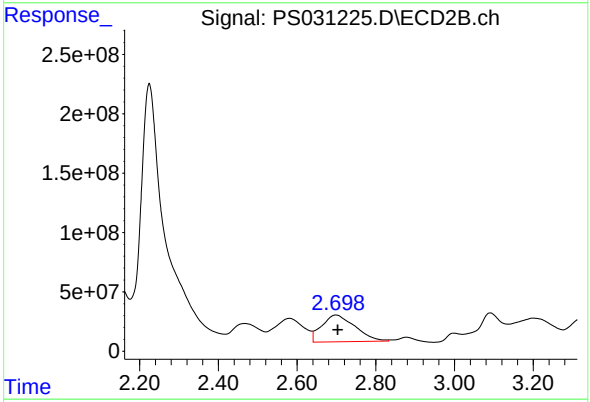
#1 Dalapon

R.T.: 2.681 min
Delta R.T.: -0.009 min
Response: 929172420
Conc: 148.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

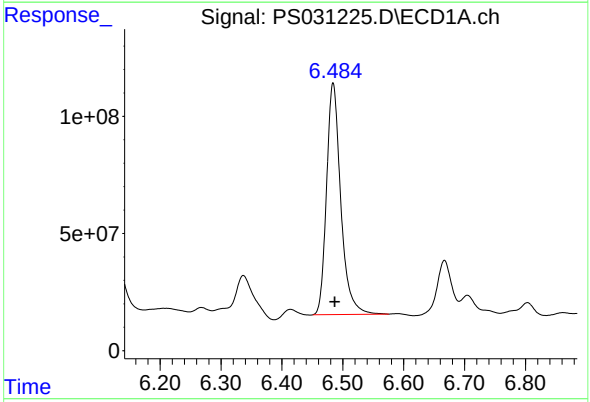
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



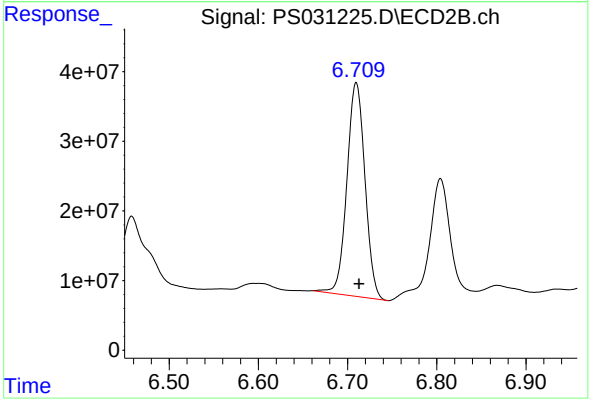
#1 Dalapon

R.T.: 2.697 min
Delta R.T.: -0.006 min
Response: 1329081159
Conc: 468.52 ng/ml m



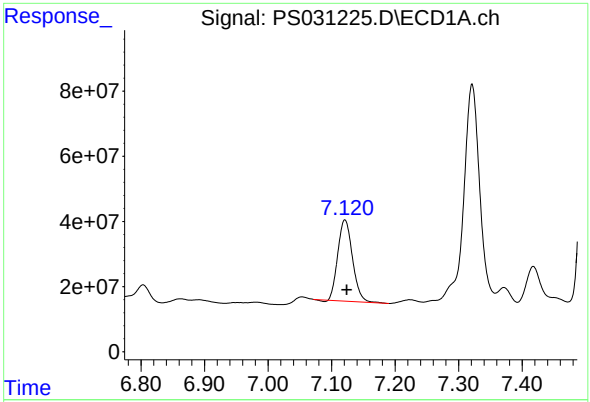
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 1601749499
Conc: 290.03 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.710 min
Delta R.T.: -0.003 min
Response: 432050693
Conc: 280.57 ng/ml



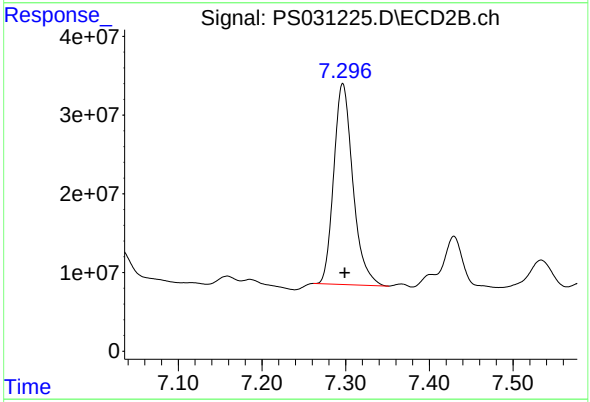
#3 4-Nitrophenol

R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 401714088
Conc: 243.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

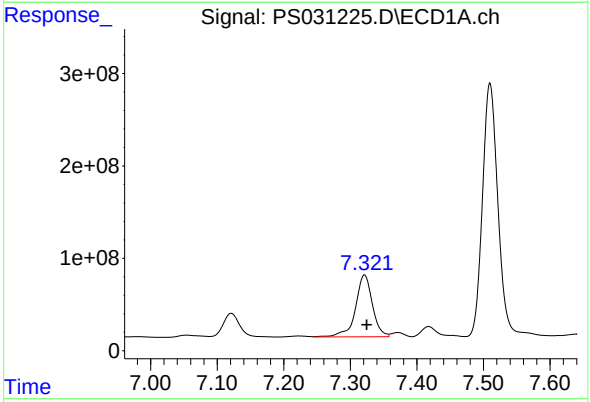
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



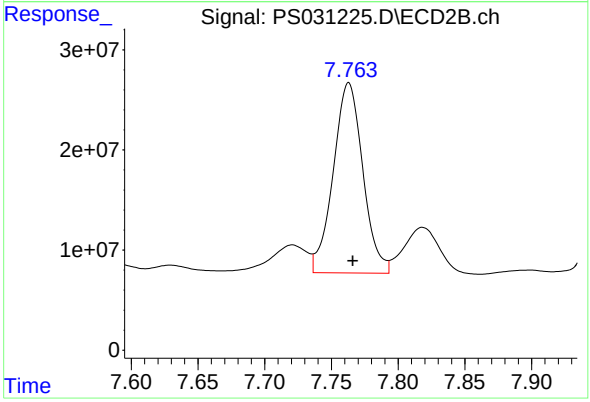
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 405761384
Conc: 224.26 ng/ml



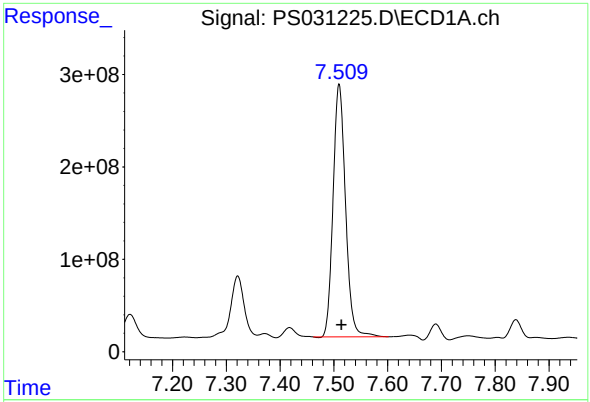
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 1182723721
Conc: 272.00 ng/ml



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 293540872
Conc: 289.21 ng/ml



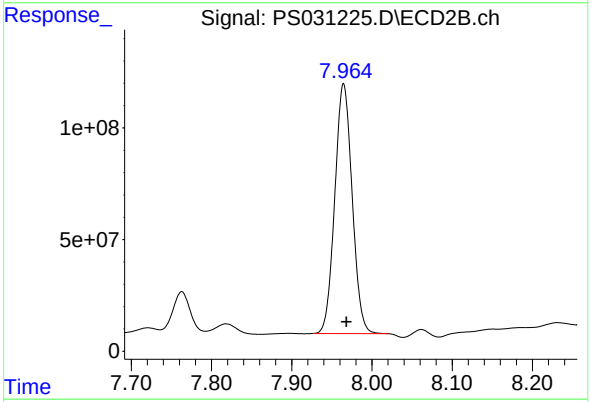
#5 DICAMBA

R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 4385656062
Conc: 265.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

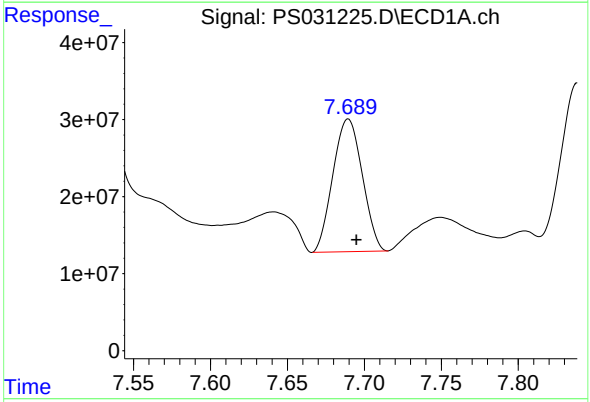
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



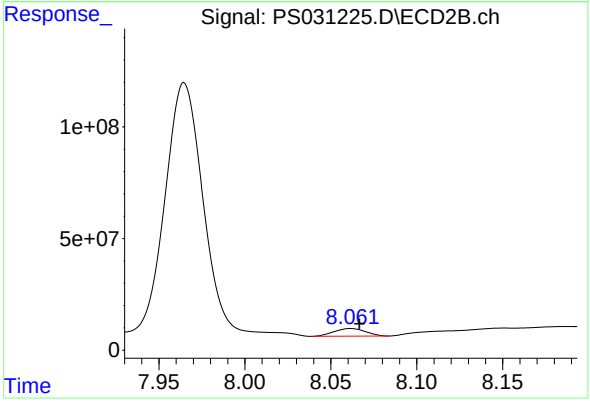
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: -0.003 min
Response: 1684355051
Conc: 261.00 ng/ml



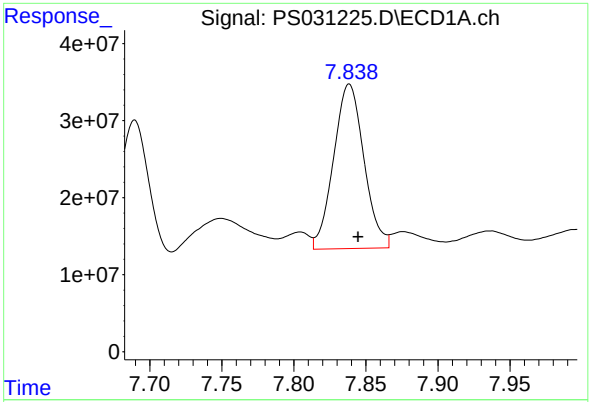
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.005 min
Response: 228389997
Conc: 22.82 ug/ml



#6 MCPP

R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 43782966
Conc: 21.07 ug/ml



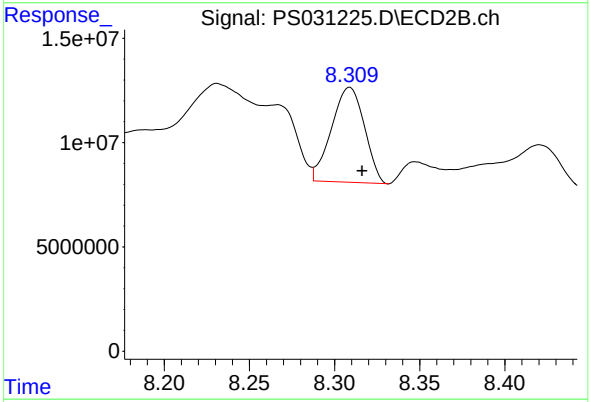
#7 MCPA

R.T.: 7.838 min
Delta R.T.: -0.006 min
Response: 313549621
Conc: 25.06 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

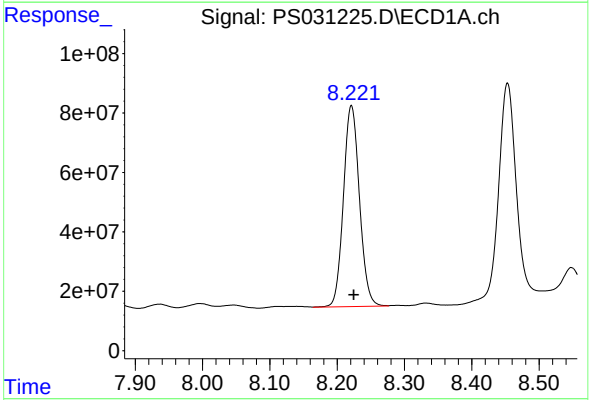
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



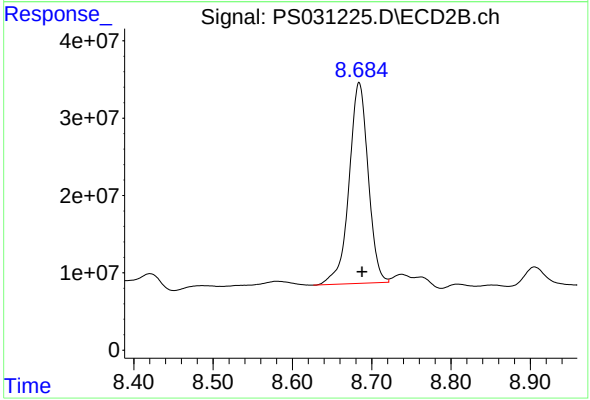
#7 MCPA

R.T.: 8.309 min
Delta R.T.: -0.008 min
Response: 61286173
Conc: 19.42 ug/ml



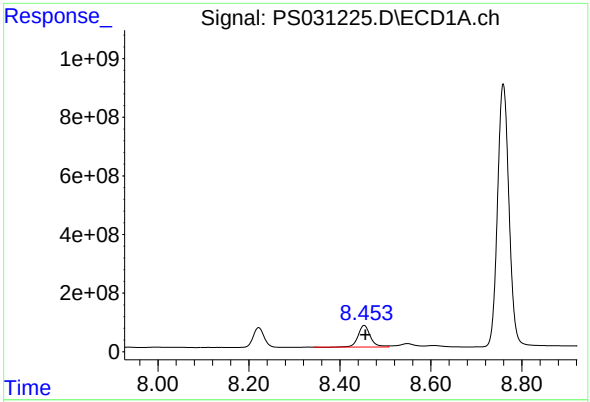
#8 DICHLORPROP

R.T.: 8.221 min
Delta R.T.: -0.003 min
Response: 1120450848
Conc: 293.16 ng/ml



#8 DICHLORPROP

R.T.: 8.684 min
Delta R.T.: -0.003 min
Response: 435109799
Conc: 287.23 ng/ml



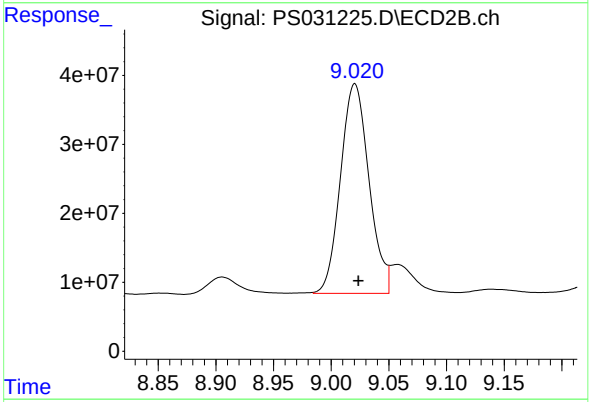
#9 2,4-D

R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 1400610972
Conc: 375.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

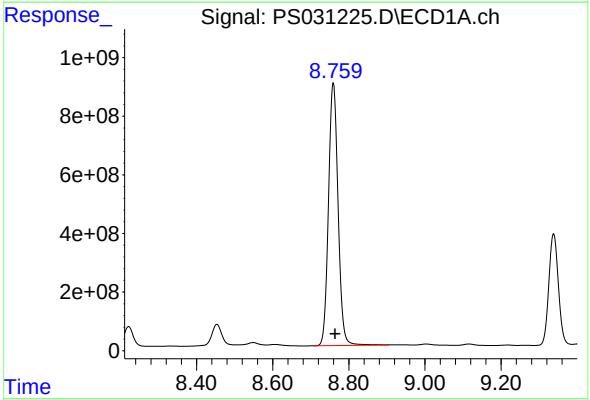
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



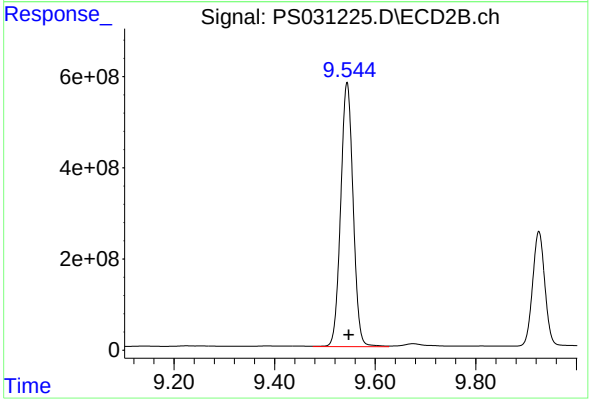
#9 2,4-D

R.T.: 9.020 min
Delta R.T.: -0.004 min
Response: 523846009
Conc: 308.45 ng/ml m



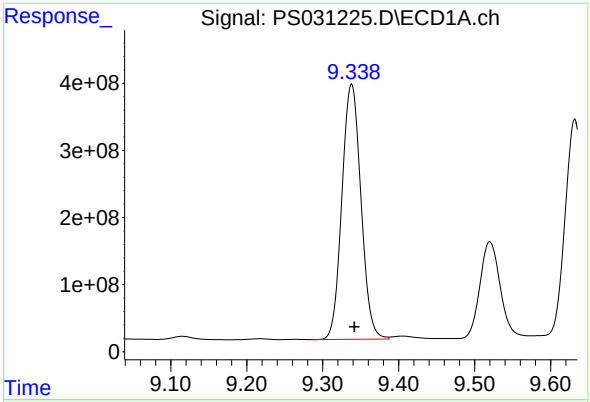
#10 Pentachlorophenol

R.T.: 8.759 min
Delta R.T.: -0.005 min
Response: 15735660963
Conc: 288.09 ng/ml



#10 Pentachlorophenol

R.T.: 9.544 min
Delta R.T.: -0.003 min
Response: 9959080367
Conc: 254.83 ng/ml



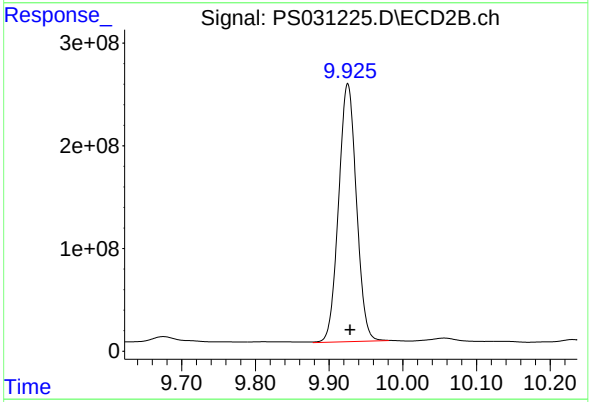
#11 2,4,5-TP (SILVEX)

R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 6625438369
Conc: 301.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

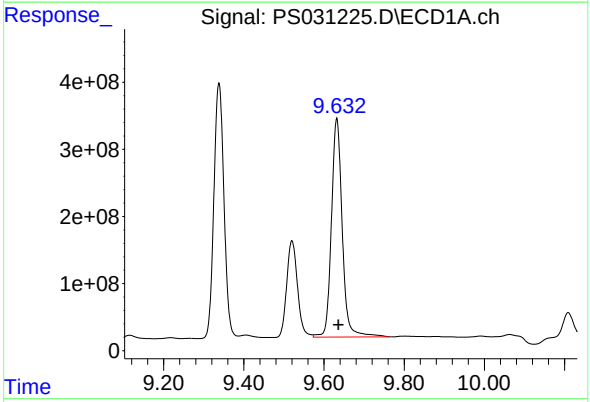
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



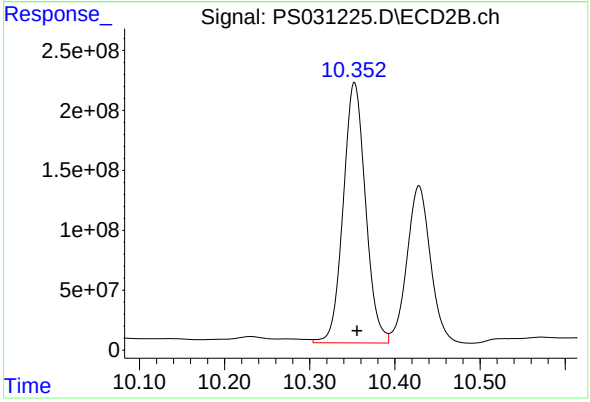
#11 2,4,5-TP (SILVEX)

R.T.: 9.925 min
Delta R.T.: -0.004 min
Response: 4213648630
Conc: 282.91 ng/ml m



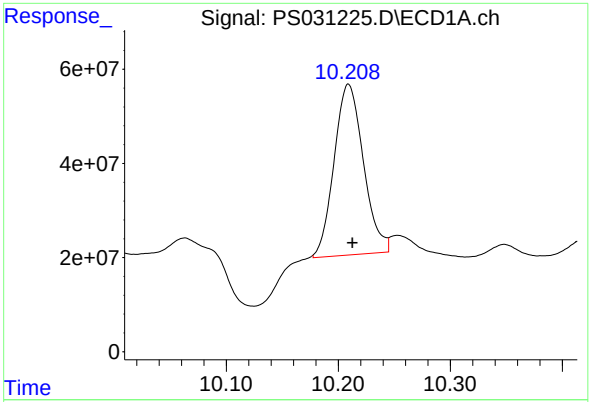
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 6100607360
Conc: 312.41 ng/ml



#12 2,4,5-T

R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 3952961348
Conc: 278.00 ng/ml



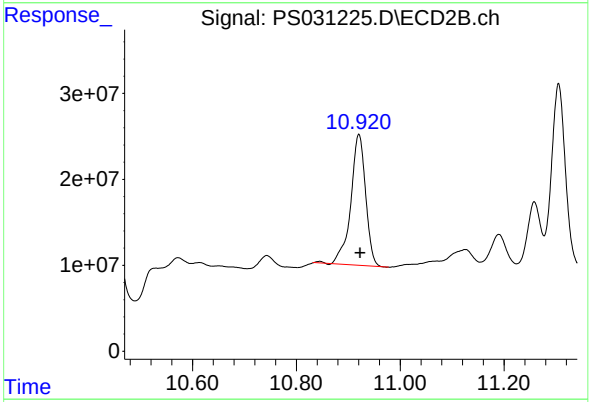
#13 2,4-DB

R.T.: 10.208 min
Delta R.T.: -0.004 min
Response: 659619267
Conc: 220.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

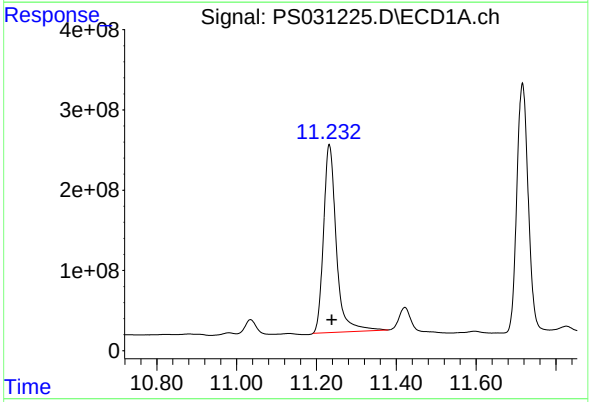
Manual Integrations
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Supervised By :mohammad ahmed 07/26/2025



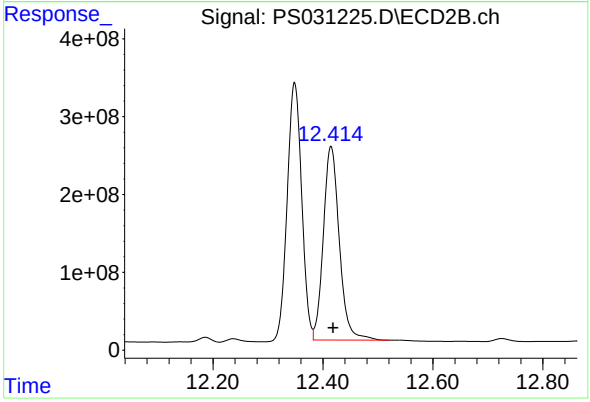
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.002 min
Response: 301954502
Conc: 257.97 ng/ml



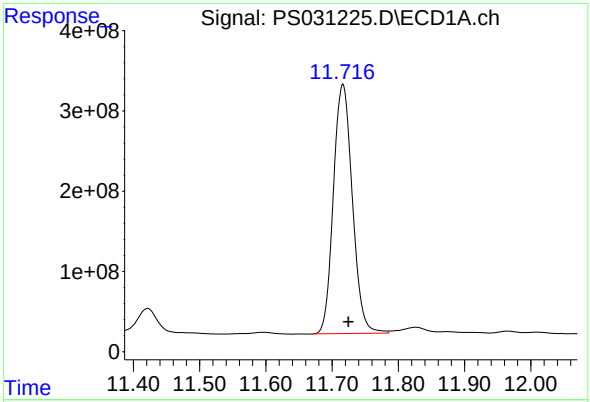
#15 Picloram

R.T.: 11.232 min
Delta R.T.: -0.007 min
Response: 5206902688
Conc: 260.26 ng/ml



#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 5023983370
Conc: 201.81 ng/ml



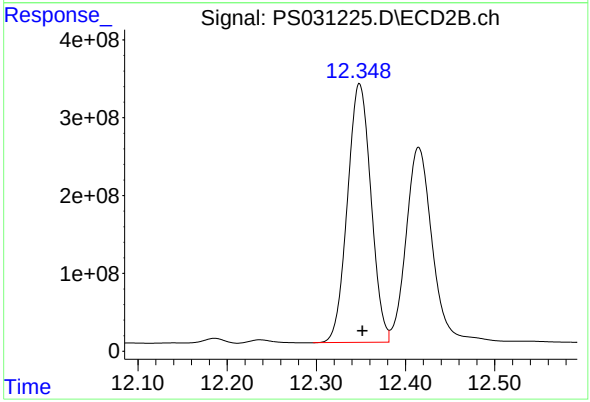
#16 DCPA

R.T.: 11.716 min
Delta R.T.: -0.008 min
Response: 6190964117
Conc: 215.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.004 min
Response: 6094344272
Conc: 264.56 ng/ml m

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Manual Integration Report

Sequence:	ps072125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC500	PS031158.D	2,4-DCAA	Abdul	7/22/2025 7:56:52 AM	mohammad	7/23/2025 1:33:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS072325	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031180.D	2,4-DCAA	Abdul	7/24/2025 8:39:20 AM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
PB168945BS	PS031182.D	2,4-DCAA	Abdul	7/24/2025 8:39:24 AM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031192.D	2,4-DB	Abdul	7/24/2025 5:47:49 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031192.D	DCPA #2	Abdul	7/24/2025 5:47:49 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031202.D	2,4-DB	Abdul	7/24/2025 5:47:51 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031202.D	DCPA #2	Abdul	7/24/2025 5:47:51 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031202.D	DINOSEB	Abdul	7/24/2025 5:47:51 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031210.D	2,4-DB	Abdul	7/24/2025 5:47:54 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031210.D	DCPA #2	Abdul	7/24/2025 5:47:54 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031210.D	DINOSEB	Abdul	7/24/2025 5:47:54 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
Q2639-07	PS031214.D	2,4-DCAA #2	Abdul	7/24/2025 8:40:14 AM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
Q2639-09	PS031215.D	2,4-DCAA #2	Abdul	7/24/2025 8:40:18 AM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
Q2639-11	PS031216.D	2,4-DCAA	Abdul	7/24/2025 8:40:24 AM	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
Q2639-11	PS031216.D	2,4-DCAA #2	Abdul	7/24/2025 8:40:24 AM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
Q2639-13	PS031217.D	2,4-DCAA #2	Abdul	7/24/2025 8:40:30 AM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031219.D	2,4-DB	Abdul	7/24/2025 5:47:57 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031219.D	DCPA #2	Abdul	7/24/2025 5:47:57 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
HSTDCCC750	PS031219.D	DINOSEB	Abdul	7/24/2025 5:47:57 PM	mohammad	7/25/2025 3:53:24	Peak Integrated by Software
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	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031222.D	2,4-DB	yogesh	7/25/2025 8:14:31 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031222.D	2,4-DCAA	yogesh	7/25/2025 8:14:31 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2638-11MS	PS031224.D	2,4,5-TP (SILVEX) #2	yogesh	7/25/2025 8:14:33 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2638-11MS	PS031224.D	2,4-DB	yogesh	7/25/2025 8:14:33 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2638-11MS	PS031224.D	Dalapon	yogesh	7/25/2025 8:14:33 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2638-11MS	PS031224.D	Dalapon #2	yogesh	7/25/2025 8:14:33 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2638-11MS	PS031224.D	Picloram	yogesh	7/25/2025 8:14:33 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2638-11MSD	PS031225.D	2,4,5-TP (SILVEX) #2	yogesh	7/25/2025 8:14:35 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2638-11MSD	PS031225.D	2,4-D #2	yogesh	7/25/2025 8:14:35 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2638-11MSD	PS031225.D	2,4-DB	yogesh	7/25/2025 8:14:35 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2638-11MSD	PS031225.D	Dalapon	yogesh	7/25/2025 8:14:35 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
Q2638-11MSD	PS031225.D	Dalapon #2	yogesh	7/25/2025 8:14:35 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps072425	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2638-11MSD	PS031225.D	DCPA #2	yogesh	7/25/2025 8:14:35 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031233.D	DCPA #2	yogesh	7/25/2025 8:14:42 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031233.D	DINOSEB	yogesh	7/25/2025 8:14:42 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031233.D	Pentachlorophenol	yogesh	7/25/2025 8:14:42 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031233.D	Picloram	yogesh	7/25/2025 8:14:42 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031243.D	DCPA #2	yogesh	7/25/2025 8:14:52 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031243.D	DINOSEB	yogesh	7/25/2025 8:14:52 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031243.D	Pentachlorophenol	yogesh	7/25/2025 8:14:52 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031243.D	Picloram	yogesh	7/25/2025 8:14:52 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031252.D	DCPA #2	yogesh	7/25/2025 8:14:58 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031252.D	DINOSEB	yogesh	7/25/2025 8:14:58 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031252.D	Pentachlorophenol	yogesh	7/25/2025 8:14:58 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031252.D	Picloram	yogesh	7/25/2025 8:14:58 AM	mohammad	7/26/2025 3:49:45	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	PS031260.D	2,4,5-TP (SILVEX) #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	2,4-D	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	3,5-DICHLOROBENZOIC ACID	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	Dalapon #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	DICHLORPROP	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	DICHLORPROP #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software
HSTDCCC750	PS031260.D	MCPP #2	yogesh	7/25/2025 9:35:16 AM	mohammad	7/26/2025 3:49:45	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS072925	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS031275.D	2,4-DB #2	Abdul	7/30/2025 8:36:01 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDICC1000	PS031278.D	MCPP #2	Abdul	7/30/2025 8:36:04 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDICC1500	PS031279.D	3,5-DICHLOROBENZOIC ACID	Abdul	7/30/2025 8:36:07 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDICC1500	PS031279.D	MCPP #2	Abdul	7/30/2025 8:36:07 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031282.D	MCPP #2	Abdul	7/30/2025 8:36:12 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031293.D	DCPA #2	Abdul	7/30/2025 8:36:30 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031293.D	MCPP #2	Abdul	7/30/2025 8:36:30 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031301.D	3,5-DICHLOROBENZOIC ACID	Abdul	7/30/2025 8:35:38 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031301.D	DICHLORPROP #2	Abdul	7/30/2025 8:35:38 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software
HSTDCCC750	PS031301.D	MCPP #2	Abdul	7/30/2025 8:35:38 AM	mohammad	7/31/2025 1:17:44	Peak Integrated by Software

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Manual Integration Report

Sequence:	Ps073025	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031304.D	3,5-DICHLOROBENZOIC ACID	yogesh	7/31/2025 8:23:44 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031304.D	MCPP	yogesh	7/31/2025 8:23:44 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031304.D	MCPP #2	yogesh	7/31/2025 8:23:44 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031309.D	3,5-DICHLOROBENZOIC ACID	yogesh	7/31/2025 8:23:49 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031309.D	DCPA	yogesh	7/31/2025 8:23:49 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031309.D	MCPP	yogesh	7/31/2025 8:23:49 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031309.D	MCPP #2	yogesh	7/31/2025 8:23:49 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031316.D	3,5-DICHLOROBENZOIC ACID	yogesh	7/31/2025 8:23:59 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031316.D	DCPA	yogesh	7/31/2025 8:23:59 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031316.D	MCPP	yogesh	7/31/2025 8:23:59 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031316.D	Picloram	yogesh	7/31/2025 8:23:59 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031321.D	3,5-DICHLOROBENZOIC ACID	yogesh	7/31/2025 8:24:08 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031321.D	DCPA	yogesh	7/31/2025 8:24:08 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	Ps073025	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2639-01	PS031323.D	2,4-DCAA	yogesh	7/31/2025 8:24:09 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
Q2639-03	PS031324.D	2,4-DCAA	yogesh	7/31/2025 8:24:11 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
Q2639-03	PS031324.D	2,4-DCAA #2	yogesh	7/31/2025 8:24:11 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
Q2639-09RE	PS031326.D	2,4-DCAA	yogesh	7/31/2025 8:24:15 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
Q2639-09RE	PS031326.D	2,4-DCAA #2	yogesh	7/31/2025 8:24:15 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
Q2639-13RE	PS031328.D	2,4-DCAA	yogesh	7/31/2025 8:24:17 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
Q2639-13RE	PS031328.D	2,4-DCAA #2	yogesh	7/31/2025 8:24:17 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031330.D	3,5-DICHLOROBENZOIC ACID	yogesh	7/31/2025 8:24:19 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031330.D	DCPA	yogesh	7/31/2025 8:24:19 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031330.D	MCPP	yogesh	7/31/2025 8:24:19 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031330.D	MCPP #2	yogesh	7/31/2025 8:24:19 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software
HSTDCCC750	PS031330.D	Picloram	yogesh	7/31/2025 8:24:19 AM	mohammad	7/31/2025 8:26:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	Ps073025	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	Ps073125	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072125

Review By	Abdul	Review On	7/22/2025 7:57:36 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:13 AM		
SubDirectory	PS072125	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031155.D	21 Jul 2025 14:14	AR\AJ	Ok
2	I.BLK	PS031156.D	21 Jul 2025 14:38	AR\AJ	Ok
3	HSTDICC200	PS031157.D	21 Jul 2025 15:02	AR\AJ	Ok
4	HSTDICC500	PS031158.D	21 Jul 2025 15:26	AR\AJ	Ok,M
5	HSTDICC750	PS031159.D	21 Jul 2025 15:51	AR\AJ	Ok
6	HSTDICC1000	PS031160.D	21 Jul 2025 16:15	AR\AJ	Ok
7	HSTDICC1500	PS031161.D	21 Jul 2025 16:39	AR\AJ	Ok
8	HSTDICV750	PS031162.D	21 Jul 2025 17:03	AR\AJ	Ok
9	I.BLK	PS031163.D	21 Jul 2025 17:27	AR\AJ	Ok
10	HSTDCCC750	PS031164.D	21 Jul 2025 17:51	AR\AJ	Ok
11	Q2529-10	PS031165.D	21 Jul 2025 18:15	AR\AJ	Not Ok
12	Q2529-10MS	PS031166.D	21 Jul 2025 18:40	AR\AJ	Not Ok
13	Q2529-10MSD	PS031167.D	21 Jul 2025 19:04	AR\AJ	Not Ok
14	PB168886BS	PS031168.D	21 Jul 2025 19:28	AR\AJ	Ok
15	I.BLK	PS031169.D	21 Jul 2025 19:52	AR\AJ	Ok
16	HSTDCCC750	PS031170.D	21 Jul 2025 20:16	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072325

Review By	Abdul	Review On	7/24/2025 8:40:59 AM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:24 AM		
SubDirectory	PS072325	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031178.D	23 Jul 2025 09:02	AR\AJ	Ok
2	I.BLK	PS031179.D	23 Jul 2025 09:26	AR\AJ	Ok
3	HSTDCCC750	PS031180.D	23 Jul 2025 09:50	AR\AJ	Ok,M
4	PB168945BL	PS031181.D	23 Jul 2025 10:33	AR\AJ	Ok
5	PB168945BS	PS031182.D	23 Jul 2025 10:57	AR\AJ	Ok,M
6	Q2638-01	PS031183.D	23 Jul 2025 11:21	AR\AJ	Ok
7	Q2638-03	PS031184.D	23 Jul 2025 11:45	AR\AJ	Ok
8	Q2638-05	PS031185.D	23 Jul 2025 12:09	AR\AJ	Not Ok
9	Q2638-07	PS031186.D	23 Jul 2025 12:34	AR\AJ	Not Ok
10	Q2638-09	PS031187.D	23 Jul 2025 12:58	AR\AJ	Ok
11	Q2638-11	PS031188.D	23 Jul 2025 13:22	AR\AJ	Not Ok
12	Q2638-11MS	PS031189.D	23 Jul 2025 13:50	AR\AJ	Not Ok
13	Q2638-11MSD	PS031190.D	23 Jul 2025 14:14	AR\AJ	Not Ok
14	I.BLK	PS031191.D	23 Jul 2025 14:38	AR\AJ	Ok
15	HSTDCCC750	PS031192.D	23 Jul 2025 15:03	AR\AJ	Ok,M
16	Q2558-01MS RE	PS031193.D	23 Jul 2025 15:27	AR\AJ	Not Ok
17	Q2558-01MSD RE	PS031194.D	23 Jul 2025 16:01	AR\AJ	Not Ok
18	PB168872BS	PS031195.D	23 Jul 2025 16:25	AR\AJ	Ok,M
19	Q2638-13	PS031196.D	23 Jul 2025 16:49	AR\AJ	Not Ok
20	Q2633-02	PS031197.D	23 Jul 2025 17:14	AR\AJ	Ok
21	PB168973BL	PS031198.D	23 Jul 2025 17:38	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072325

Review By	Abdul	Review On	7/24/2025 8:40:59 AM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:24 AM		
SubDirectory	PS072325	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB168973BS	PS031199.D	23 Jul 2025 18:02	AR\AJ	Ok,M
23	PB168973BSD	PS031200.D	23 Jul 2025 18:26	AR\AJ	Ok,M
24	I.BLK	PS031201.D	23 Jul 2025 18:50	AR\AJ	Ok
25	HSTDCCC750	PS031202.D	23 Jul 2025 19:14	AR\AJ	Ok,M
26	Q2649-01	PS031203.D	23 Jul 2025 19:38	AR\AJ	Ok
27	Q2649-05	PS031204.D	23 Jul 2025 20:02	AR\AJ	Ok
28	Q2649-09	PS031205.D	23 Jul 2025 20:27	AR\AJ	Ok
29	Q2649-13	PS031206.D	23 Jul 2025 20:51	AR\AJ	Ok
30	Q2649-17	PS031207.D	23 Jul 2025 21:15	AR\AJ	Ok
31	Q2649-21	PS031208.D	23 Jul 2025 21:39	AR\AJ	Ok
32	I.BLK	PS031209.D	23 Jul 2025 22:03	AR\AJ	Ok
33	HSTDCCC750	PS031210.D	23 Jul 2025 22:27	AR\AJ	Ok,M
34	Q2639-01	PS031211.D	23 Jul 2025 22:52	AR\AJ	ReRun
35	Q2639-03	PS031212.D	23 Jul 2025 23:16	AR\AJ	Not Ok
36	Q2639-05	PS031213.D	23 Jul 2025 23:40	AR\AJ	Not Ok
37	Q2639-07	PS031214.D	24 Jul 2025 00:04	AR\AJ	Ok,M
38	Q2639-09	PS031215.D	24 Jul 2025 00:28	AR\AJ	ReRun
39	Q2639-11	PS031216.D	24 Jul 2025 00:52	AR\AJ	ReRun
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	7/26/2025 3:49:45 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
18	PB169001BS	PS031237.D	24 Jul 2025 20:16	AR\AJ	Ok,M
19	PB168919TB	PS031238.D	24 Jul 2025 20:40	AR\AJ	Ok
20	PB168926TB	PS031239.D	24 Jul 2025 21:04	AR\AJ	Ok
21	PB168953TB	PS031240.D	24 Jul 2025 21:29	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/26/2025 3:49:45 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
23	I.BLK	PS031242.D	24 Jul 2025 22:17	AR\AJ	Ok
24	HSTDCCC750	PS031243.D	24 Jul 2025 23:29	AR\AJ	Ok,M
25	Q2481-12	PS031244.D	24 Jul 2025 23:53	AR\AJ	Not Ok
26	Q2481-15	PS031245.D	25 Jul 2025 00:17	AR\AJ	Ok,M
27	Q2667-01	PS031246.D	25 Jul 2025 00:41	AR\AJ	Ok
28	Q2667-02	PS031247.D	25 Jul 2025 01:05	AR\AJ	Ok
29	Q2481-19	PS031248.D	25 Jul 2025 01:29	AR\AJ	Ok
30	Q2481-21	PS031249.D	25 Jul 2025 01:53	AR\AJ	Ok
31	Q2446-03	PS031250.D	25 Jul 2025 02:18	AR\AJ	Not Ok
32	I.BLK	PS031251.D	25 Jul 2025 02:42	AR\AJ	Ok
33	HSTDCCC750	PS031252.D	25 Jul 2025 03:54	AR\AJ	Ok,M
34	Q2481-13	PS031253.D	25 Jul 2025 04:18	AR\AJ	Ok
35	Q2481-14	PS031254.D	25 Jul 2025 04:43	AR\AJ	Ok
36	Q2481-16	PS031255.D	25 Jul 2025 05:07	AR\AJ	Ok
37	Q2481-17	PS031256.D	25 Jul 2025 05:31	AR\AJ	Ok
38	Q2481-18	PS031257.D	25 Jul 2025 05:55	AR\AJ	Not Ok
39	Q2481-20	PS031258.D	25 Jul 2025 06:19	AR\AJ	Ok
40	I.BLK	PS031259.D	25 Jul 2025 06:43	AR\AJ	Ok
41	HSTDCCC750	PS031260.D	25 Jul 2025 07:07	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 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	PS031273.D	29 Jul 2025 15:42	AR\AJ	Ok
2	I.BLK	PS031274.D	29 Jul 2025 16:06	AR\AJ	Ok
3	HSTDICC200	PS031275.D	29 Jul 2025 16:30	AR\AJ	Ok,M
4	HSTDICC500	PS031276.D	29 Jul 2025 16:54	AR\AJ	Ok
5	HSTDICC750	PS031277.D	29 Jul 2025 17:18	AR\AJ	Ok
6	HSTDICC1000	PS031278.D	29 Jul 2025 17:42	AR\AJ	Ok,M
7	HSTDICC1500	PS031279.D	29 Jul 2025 18:07	AR\AJ	Ok,M
8	HSTDICV750	PS031280.D	29 Jul 2025 18:31	AR\AJ	Ok
9	I.BLK	PS031281.D	29 Jul 2025 18:55	AR\AJ	Ok
10	HSTDCCC750	PS031282.D	29 Jul 2025 19:19	AR\AJ	Ok,M
11	Q2668-01	PS031283.D	29 Jul 2025 19:43	AR\AJ	Ok
12	Q2668-05	PS031284.D	29 Jul 2025 20:07	AR\AJ	Ok
13	Q2668-09	PS031285.D	29 Jul 2025 20:32	AR\AJ	Ok
14	PB169024BL	PS031286.D	29 Jul 2025 20:56	AR\AJ	Ok
15	PB169024BS	PS031287.D	29 Jul 2025 21:20	AR\AJ	Ok,M
16	Q2668-09MS	PS031288.D	29 Jul 2025 21:44	AR\AJ	Ok,M
17	Q2668-09MSD	PS031289.D	29 Jul 2025 22:08	AR\AJ	Ok,M
18	Q2691-01	PS031290.D	29 Jul 2025 22:32	AR\AJ	Not Ok
19	Q2691-07	PS031291.D	29 Jul 2025 22:57	AR\AJ	ReRun
20	I.BLK	PS031292.D	29 Jul 2025 23:21	AR\AJ	Ok
21	HSTDCCC750	PS031293.D	29 Jul 2025 23:45	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 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	PB169037BL	PS031294.D	30 Jul 2025 00:09	AR\AJ	Ok
23	PB169037BS	PS031295.D	30 Jul 2025 00:33	AR\AJ	Ok
24	PB168986TB	PS031296.D	30 Jul 2025 00:57	AR\AJ	Ok
25	Q2681-01	PS031297.D	30 Jul 2025 01:20	AR\AJ	Ok
26	Q2681-01MS	PS031298.D	30 Jul 2025 01:44	AR\AJ	Ok,M
27	Q2681-01MSD	PS031299.D	30 Jul 2025 02:09	AR\AJ	Ok,M
28	I.BLK	PS031300.D	30 Jul 2025 02:33	AR\AJ	Ok
29	HSTDCCC750	PS031301.D	30 Jul 2025 02:57	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS073025

Review By	yogesh	Review On	7/31/2025 8:24:42 AM		
Supervise By	mohammad	Supervise On	7/31/2025 8:26:32 AM		
SubDirectory	PS073025	HP Acquire Method		HP Processing Method	ps072925 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	PS031302.D	30 Jul 2025 08:15	AR\AJ	Ok
2	I.BLK	PS031303.D	30 Jul 2025 08:40	AR\AJ	Ok
3	HSTDCCC750	PS031304.D	30 Jul 2025 09:04	AR\AJ	Ok,M
4	Q2703-01	PS031305.D	30 Jul 2025 09:28	AR\AJ	Ok
5	Q2706-01	PS031306.D	30 Jul 2025 09:52	AR\AJ	Ok,M
6	Q2706-03	PS031307.D	30 Jul 2025 10:16	AR\AJ	Ok,M
7	I.BLK	PS031308.D	30 Jul 2025 10:41	AR\AJ	Ok
8	HSTDCCC750	PS031309.D	30 Jul 2025 11:05	AR\AJ	Ok,M
9	Q2709-01	PS031310.D	30 Jul 2025 11:35	AR\AJ	Ok,M
10	Q2709-01MS	PS031311.D	30 Jul 2025 11:59	AR\AJ	Ok,M
11	Q2709-01MSD	PS031312.D	30 Jul 2025 12:23	AR\AJ	Ok,M
12	PB169051BL	PS031313.D	30 Jul 2025 12:49	AR\AJ	Ok
13	PB169051BS	PS031314.D	30 Jul 2025 13:13	AR\AJ	Ok,M
14	I.BLK	PS031315.D	30 Jul 2025 13:37	AR\AJ	Ok
15	HSTDCCC750	PS031316.D	30 Jul 2025 14:01	AR\AJ	Ok,M
16	Q2481-12	PS031317.D	30 Jul 2025 14:25	AR\AJ	Ok
17	Q2481-18	PS031318.D	30 Jul 2025 14:49	AR\AJ	Ok,M
18	Q2691-07RE	PS031319.D	30 Jul 2025 15:38	AR\AJ	Confirms
19	I.BLK	PS031320.D	30 Jul 2025 16:02	AR\AJ	Ok
20	HSTDCCC750	PS031321.D	30 Jul 2025 16:26	AR\AJ	Ok,M
21	Q2691-01	PS031322.D	30 Jul 2025 16:51	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS073025

Review By	yogesh	Review On	7/31/2025 8:24:42 AM		
Supervise By	mohammad	Supervise On	7/31/2025 8:26:32 AM		
SubDirectory	PS073025	HP Acquire Method		HP Processing Method	ps072925 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	Q2639-01	PS031323.D	30 Jul 2025 17:15	AR\AJ	Ok,M
23	Q2639-03	PS031324.D	30 Jul 2025 17:39	AR\AJ	Ok,M
24	Q2639-05RE	PS031325.D	30 Jul 2025 18:03	AR\AJ	Not Ok
25	Q2639-09RE	PS031326.D	30 Jul 2025 18:27	AR\AJ	Confirms
26	Q2639-11RE	PS031327.D	30 Jul 2025 18:51	AR\AJ	Confirms
27	Q2639-13RE	PS031328.D	30 Jul 2025 19:15	AR\AJ	Confirms
28	I.BLK	PS031329.D	30 Jul 2025 19:40	AR\AJ	Ok
29	HSTDCCC750	PS031330.D	30 Jul 2025 22:05	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS073125

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	PS073125	HP Acquire Method		HP Processing Method	ps072925 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	PS031331.D	31 Jul 2025 08:36	AR\AJ	Ok
2	I.BLK	PS031332.D	31 Jul 2025 09:00	AR\AJ	Ok
3	HSTDCCC750	PS031333.D	31 Jul 2025 10:45	AR\AJ	Ok,NR
4	Q2639-05	PS031334.D	31 Jul 2025 11:12	AR\AJ	Ok,NR
5	I.BLK	PS031335.D	31 Jul 2025 11:36	AR\AJ	Ok
6	HSTDCCC750	PS031336.D	31 Jul 2025 12:00	AR\AJ	Ok,NR
7	Q2646-03	PS031337.D	31 Jul 2025 13:39	AR\AJ	Ok
8	I.BLK	PS031338.D	31 Jul 2025 15:19	AR\AJ	Ok
9	HSTDCCC750	PS031339.D	31 Jul 2025 15:43	AR\AJ	Ok,NR

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072125

Review By	Abdul	Review On	7/22/2025 7:57:36 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:13 AM		
SubDirectory	PS072125	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031155.D	21 Jul 2025 14:14		AR\AJ	Ok
2	I.BLK	I.BLK	PS031156.D	21 Jul 2025 14:38		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031157.D	21 Jul 2025 15:02		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS031158.D	21 Jul 2025 15:26		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS031159.D	21 Jul 2025 15:51		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031160.D	21 Jul 2025 16:15		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS031161.D	21 Jul 2025 16:39		AR\AJ	Ok
8	HSTDICV750	ICVPS072125	PS031162.D	21 Jul 2025 17:03		AR\AJ	Ok
9	I.BLK	I.BLK	PS031163.D	21 Jul 2025 17:27		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS031164.D	21 Jul 2025 17:51		AR\AJ	Ok
11	Q2529-10	TP-30	PS031165.D	21 Jul 2025 18:15	already analyzed	AR\AJ	Not Ok
12	Q2529-10MS	TP-30MS	PS031166.D	21 Jul 2025 18:40	some compound recovery fail ,already analyzed	AR\AJ	Not Ok
13	Q2529-10MSD	TP-30MSD	PS031167.D	21 Jul 2025 19:04	some compound recovery fail , RPD fail,already analyzed	AR\AJ	Not Ok
14	PB168886BS	PB168886BS	PS031168.D	21 Jul 2025 19:28		AR\AJ	Ok
15	I.BLK	I.BLK	PS031169.D	21 Jul 2025 19:52		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS031170.D	21 Jul 2025 20:16		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072325

Review By	Abdul	Review On	7/24/2025 8:40:59 AM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:24 AM		
SubDirectory	PS072325	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031178.D	23 Jul 2025 09:02		AR\AJ	Ok
2	I.BLK	I.BLK	PS031179.D	23 Jul 2025 09:26		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031180.D	23 Jul 2025 09:50		AR\AJ	Ok,M
4	PB168945BL	PB168945BL	PS031181.D	23 Jul 2025 10:33		AR\AJ	Ok
5	PB168945BS	PB168945BS	PS031182.D	23 Jul 2025 10:57		AR\AJ	Ok,M
6	Q2638-01	OU4-TS-31-071725	PS031183.D	23 Jul 2025 11:21		AR\AJ	Ok
7	Q2638-03	OU4-TS-32-071725	PS031184.D	23 Jul 2025 11:45		AR\AJ	Ok
8	Q2638-05	OU4-TS-33-071725	PS031185.D	23 Jul 2025 12:09	surrogate low in 1st column	AR\AJ	Not Ok
9	Q2638-07	OU4-TS-34-071725	PS031186.D	23 Jul 2025 12:34	surrogate low in 1st column	AR\AJ	Not Ok
10	Q2638-09	OU4-TS-35-071725	PS031187.D	23 Jul 2025 12:58		AR\AJ	Ok
11	Q2638-11	OU4-TS-36-071725	PS031188.D	23 Jul 2025 13:22	surrogate low in both column	AR\AJ	Not Ok
12	Q2638-11MS	OU4-TS-36-071725MS	PS031189.D	23 Jul 2025 13:50	surrogate low in both column, recovery fail for some compounds, COMP # 13 & 14 not detected	AR\AJ	Not Ok
13	Q2638-11MSD	OU4-TS-36-071725MS	PS031190.D	23 Jul 2025 14:14	surrogate low in both column, recovery & RPD fail for some compounds, COMP # 13 & 14 not detected	AR\AJ	Not Ok
14	I.BLK	I.BLK	PS031191.D	23 Jul 2025 14:38		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS031192.D	23 Jul 2025 15:03	comp #3,15 failing high in 1st column	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072325

Review By	Abdul	Review On	7/24/2025 8:40:59 AM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:24 AM		
SubDirectory	PS072325	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

16	Q2558-01MS RE	OU4-TS-Denali-070925	PS031193.D	23 Jul 2025 15:27	surrogate low in 1st column, recovery fail for most of compounds, comp # 13 high in ccal	AR\AJ	Not Ok
17	Q2558-01MSD RE	OU4-TS-Denali-070925	PS031194.D	23 Jul 2025 16:01	surrogate low in 1st column, recovery fail for most of compounds, comp # 13 high in ccal	AR\AJ	Not Ok
18	PB168872BS	PB168872BS	PS031195.D	23 Jul 2025 16:25		AR\AJ	Ok,M
19	Q2638-13	OU4-TS-37-071725	PS031196.D	23 Jul 2025 16:49	Surrogate low in both column	AR\AJ	Not Ok
20	Q2633-02	FIBER-GLASS-TANK	PS031197.D	23 Jul 2025 17:14		AR\AJ	Ok
21	PB168973BL	PB168973BL	PS031198.D	23 Jul 2025 17:38		AR\AJ	Ok
22	PB168973BS	PB168973BS	PS031199.D	23 Jul 2025 18:02		AR\AJ	Ok,M
23	PB168973BSD	PB168973BSD	PS031200.D	23 Jul 2025 18:26		AR\AJ	Ok,M
24	I.BLK	I.BLK	PS031201.D	23 Jul 2025 18:50		AR\AJ	Ok
25	HSTDCCC750	HSTDCCC750	PS031202.D	23 Jul 2025 19:14	comp #3,15 failing high in 1st column	AR\AJ	Ok,M
26	Q2649-01	WC-1	PS031203.D	23 Jul 2025 19:38		AR\AJ	Ok
27	Q2649-05	WC-2	PS031204.D	23 Jul 2025 20:02		AR\AJ	Ok
28	Q2649-09	WC-3	PS031205.D	23 Jul 2025 20:27		AR\AJ	Ok
29	Q2649-13	WC-4	PS031206.D	23 Jul 2025 20:51		AR\AJ	Ok
30	Q2649-17	WC-5	PS031207.D	23 Jul 2025 21:15		AR\AJ	Ok
31	Q2649-21	WC-6	PS031208.D	23 Jul 2025 21:39		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072325

Review By	Abdul	Review On	7/24/2025 8:40:59 AM		
Supervise By	mohammad	Supervise On	7/25/2025 3:53:24 AM		
SubDirectory	PS072325	HP Acquire Method		HP Processing Method	ps072125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

32	I.BLK	I.BLK	PS031209.D	23 Jul 2025 22:03		AR\AJ	Ok
33	HSTDCCC750	HSTDCCC750	PS031210.D	23 Jul 2025 22:27	comp #3,15 failing high in 1st column	AR\AJ	Ok,M
34	Q2639-01	OU4-TS-38-071725	PS031211.D	23 Jul 2025 22:52	surrogate low in 1st column	AR\AJ	ReRun
35	Q2639-03	OU4-TS-39-071725	PS031212.D	23 Jul 2025 23:16	Surrogate low in both column	AR\AJ	Not Ok
36	Q2639-05	OU4-TS-40-071725	PS031213.D	23 Jul 2025 23:40	Surrogate low in both column	AR\AJ	Not Ok
37	Q2639-07	OU4-TS-41-071725	PS031214.D	24 Jul 2025 00:04		AR\AJ	Ok,M
38	Q2639-09	OU4-TS-42-071725	PS031215.D	24 Jul 2025 00:28	Surrogate low in 1st column	AR\AJ	ReRun
39	Q2639-11	OU4-TS-43-071725	PS031216.D	24 Jul 2025 00:52	Surrogate low in 1st column	AR\AJ	ReRun
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	7/26/2025 3:49:45 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	P001-CONCRETE001-	PS031234.D	24 Jul 2025 19:04		AR\AJ	Ok,M
16	Q2641-02MSD	P001-CONCRETE001-	PS031235.D	24 Jul 2025 19:28		AR\AJ	Ok,M
17	PB169001BL	PB169001BL	PS031236.D	24 Jul 2025 19:52		AR\AJ	Ok
18	PB169001BS	PB169001BS	PS031237.D	24 Jul 2025 20:16		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/26/2025 3:49:45 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	PB168919TB	PS031238.D	24 Jul 2025 20:40		AR\AJ	Ok
20	PB168926TB	PB168926TB	PS031239.D	24 Jul 2025 21:04		AR\AJ	Ok
21	PB168953TB	PB168953TB	PS031240.D	24 Jul 2025 21:29		AR\AJ	Ok
22	PB168969TB	PB168969TB	PS031241.D	24 Jul 2025 21:53		AR\AJ	Ok
23	I.BLK	I.BLK	PS031242.D	24 Jul 2025 22:17		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS031243.D	24 Jul 2025 23:29		AR\AJ	Ok,M
25	Q2481-12	CC0627-AL	PS031244.D	24 Jul 2025 23:53	bad injection	AR\AJ	Not Ok
26	Q2481-15	CC0627-AOXL	PS031245.D	25 Jul 2025 00:17		AR\AJ	Ok,M
27	Q2667-01	C0AP2	PS031246.D	25 Jul 2025 00:41		AR\AJ	Ok
28	Q2667-02	C0AP3	PS031247.D	25 Jul 2025 01:05		AR\AJ	Ok
29	Q2481-19	CC0627-CLOXAL	PS031248.D	25 Jul 2025 01:29	f falg,	AR\AJ	Ok
30	Q2481-21	CC0627-SFBL	PS031249.D	25 Jul 2025 01:53		AR\AJ	Ok
31	Q2446-03	MR-BUR-LNG-13	PS031250.D	25 Jul 2025 02:18	bad injection, TYPO	AR\AJ	Not Ok
32	I.BLK	I.BLK	PS031251.D	25 Jul 2025 02:42		AR\AJ	Ok
33	HSTDCCC750	HSTDCCC750	PS031252.D	25 Jul 2025 03:54		AR\AJ	Ok,M
34	Q2481-13	CC0627-CLOXPL	PS031253.D	25 Jul 2025 04:18	Surrogate fail in 1st col.END CCC FAIL	AR\AJ	Ok
35	Q2481-14	CC0625-OXBL	PS031254.D	25 Jul 2025 04:43	Surrogate fail, END CCC FAIL, F flag	AR\AJ	Ok
36	Q2481-16	CC0625-NL	PS031255.D	25 Jul 2025 05:07	Surrogate fail, END CCC FAIL, F flag	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072425

Review By	yogesh	Review On	7/25/2025 8:15:19 AM		
Supervise By	mohammad	Supervise On	7/26/2025 3:49:45 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	CC0267-OXPL	PS031256.D	25 Jul 2025 05:31	Surrogate fail, END CCC FAIL, F flag	AR\AJ	Ok
38	Q2481-18	CC0627-OXL	PS031257.D	25 Jul 2025 05:55	bad injection, surrogate not detected	AR\AJ	Not Ok
39	Q2481-20	CC0627-BL	PS031258.D	25 Jul 2025 06:19	Surrogate fail 2nd col, END CCC FAIL, F flag	AR\AJ	Ok
40	I.BLK	I.BLK	PS031259.D	25 Jul 2025 06:43	Surrogate low in both column, bad injection	AR\AJ	Ok
41	HSTDCCC750	HSTDCCC750	PS031260.D	25 Jul 2025 07:07	most of compounds are fail	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 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	PS031273.D	29 Jul 2025 15:42		AR\AJ	Ok
2	I.BLK	I.BLK	PS031274.D	29 Jul 2025 16:06		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031275.D	29 Jul 2025 16:30		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS031276.D	29 Jul 2025 16:54		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS031277.D	29 Jul 2025 17:18		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031278.D	29 Jul 2025 17:42		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS031279.D	29 Jul 2025 18:07		AR\AJ	Ok,M
8	HSTDICV750	ICVPS072925	PS031280.D	29 Jul 2025 18:31		AR\AJ	Ok
9	I.BLK	I.BLK	PS031281.D	29 Jul 2025 18:55		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS031282.D	29 Jul 2025 19:19		AR\AJ	Ok,M
11	Q2668-01	TP-2	PS031283.D	29 Jul 2025 19:43		AR\AJ	Ok
12	Q2668-05	TP-3	PS031284.D	29 Jul 2025 20:07		AR\AJ	Ok
13	Q2668-09	TP-1	PS031285.D	29 Jul 2025 20:32		AR\AJ	Ok
14	PB169024BL	PB169024BL	PS031286.D	29 Jul 2025 20:56		AR\AJ	Ok
15	PB169024BS	PB169024BS	PS031287.D	29 Jul 2025 21:20		AR\AJ	Ok,M
16	Q2668-09MS	TP-1MS	PS031288.D	29 Jul 2025 21:44	Some compound recovery fail	AR\AJ	Ok,M
17	Q2668-09MSD	TP-1MSD	PS031289.D	29 Jul 2025 22:08	Some compound recovery fail	AR\AJ	Ok,M
18	Q2691-01	295	PS031290.D	29 Jul 2025 22:32	surrogate fail in both column	AR\AJ	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS072925

Review By	Abdul	Review On	7/30/2025 8:35:13 AM		
Supervise By	mohammad	Supervise On	7/31/2025 1:17:44 AM		
SubDirectory	PS072925	HP Acquire Method		HP Processing Method	ps072925 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	Q2691-07	299	PS031291.D	29 Jul 2025 22:57	Surrogate fail in 1st col	AR\AJ	ReRun
20	I.BLK	I.BLK	PS031292.D	29 Jul 2025 23:21		AR\AJ	Ok
21	HSTDCCC750	HSTDCCC750	PS031293.D	29 Jul 2025 23:45		AR\AJ	Ok,M
22	PB169037BL	PB169037BL	PS031294.D	30 Jul 2025 00:09		AR\AJ	Ok
23	PB169037BS	PB169037BS	PS031295.D	30 Jul 2025 00:33		AR\AJ	Ok
24	PB168986TB	PB168986TB	PS031296.D	30 Jul 2025 00:57		AR\AJ	Ok
25	Q2681-01	NYPA-POUCH-SPENT-	PS031297.D	30 Jul 2025 01:20		AR\AJ	Ok
26	Q2681-01MS	NYPA-POUCH-SPENT-	PS031298.D	30 Jul 2025 01:44	Recovery fail	AR\AJ	Ok,M
27	Q2681-01MSD	NYPA-POUCH-SPENT-	PS031299.D	30 Jul 2025 02:09	Recovery fail	AR\AJ	Ok,M
28	I.BLK	I.BLK	PS031300.D	30 Jul 2025 02:33		AR\AJ	Ok
29	HSTDCCC750	HSTDCCC750	PS031301.D	30 Jul 2025 02:57		AR\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS073025

Review By	yogesh	Review On	7/31/2025 8:24:42 AM		
Supervise By	mohammad	Supervise On	7/31/2025 8:26:32 AM		
SubDirectory	PS073025	HP Acquire Method		HP Processing Method	ps072925 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	PS031302.D	30 Jul 2025 08:15		AR\AJ	Ok
2	I.BLK	I.BLK	PS031303.D	30 Jul 2025 08:40		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031304.D	30 Jul 2025 09:04		AR\AJ	Ok,M
4	Q2703-01	TP-4	PS031305.D	30 Jul 2025 09:28		AR\AJ	Ok
5	Q2706-01	RT-5417	PS031306.D	30 Jul 2025 09:52		AR\AJ	Ok,M
6	Q2706-03	ETGI-361	PS031307.D	30 Jul 2025 10:16		AR\AJ	Ok,M
7	I.BLK	I.BLK	PS031308.D	30 Jul 2025 10:41		AR\AJ	Ok
8	HSTDCCC750	HSTDCCC750	PS031309.D	30 Jul 2025 11:05		AR\AJ	Ok,M
9	Q2709-01	7211935-295	PS031310.D	30 Jul 2025 11:35		AR\AJ	Ok,M
10	Q2709-01MS	7211935-295MS	PS031311.D	30 Jul 2025 11:59	some compound recovery fail	AR\AJ	Ok,M
11	Q2709-01MSD	7211935-295MSD	PS031312.D	30 Jul 2025 12:23	some compound recovery fail , RPD fail	AR\AJ	Ok,M
12	PB169051BL	PB169051BL	PS031313.D	30 Jul 2025 12:49		AR\AJ	Ok
13	PB169051BS	PB169051BS	PS031314.D	30 Jul 2025 13:13		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS031315.D	30 Jul 2025 13:37		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS031316.D	30 Jul 2025 14:01		AR\AJ	Ok,M
16	Q2481-12	CC0627-AL	PS031317.D	30 Jul 2025 14:25		AR\AJ	Ok
17	Q2481-18	CC0627-OXL	PS031318.D	30 Jul 2025 14:49	Surrogate high in 1st column	AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS073025

Review By	yogesh	Review On	7/31/2025 8:24:42 AM		
Supervise By	mohammad	Supervise On	7/31/2025 8:26:32 AM		
SubDirectory	PS073025	HP Acquire Method		HP Processing Method	ps072925 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	

18	Q2691-07RE	299RE	PS031319.D	30 Jul 2025 15:38	Surrogate fail in 1st col	AR\AJ	Confirms
19	I.BLK	I.BLK	PS031320.D	30 Jul 2025 16:02		AR\AJ	Ok
20	HSTDCCC750	HSTDCCC750	PS031321.D	30 Jul 2025 16:26		AR\AJ	Ok,M
21	Q2691-01	295	PS031322.D	30 Jul 2025 16:51		AR\AJ	Ok
22	Q2639-01	OU4-TS-38-071725	PS031323.D	30 Jul 2025 17:15		AR\AJ	Ok,M
23	Q2639-03	OU4-TS-39-071725	PS031324.D	30 Jul 2025 17:39		AR\AJ	Ok,M
24	Q2639-05RE	OU4-TS-40-071725RE	PS031325.D	30 Jul 2025 18:03	Surrogate low in both column	AR\AJ	Not Ok
25	Q2639-09RE	OU4-TS-42-071725RE	PS031326.D	30 Jul 2025 18:27	Surrogate low in 1st column	AR\AJ	Confirms
26	Q2639-11RE	OU4-TS-43-071725RE	PS031327.D	30 Jul 2025 18:51	Surrogate low in 1st column	AR\AJ	Confirms
27	Q2639-13RE	OU4-TS-44-071725RE	PS031328.D	30 Jul 2025 19:15	Surrogate low in 1st column	AR\AJ	Confirms
28	I.BLK	I.BLK	PS031329.D	30 Jul 2025 19:40		AR\AJ	Ok
29	HSTDCCC750	HSTDCCC750	PS031330.D	30 Jul 2025 22:05		AR\AJ	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS073125

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	PS073125	HP Acquire Method		HP Processing Method	ps072925 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	PS031331.D	31 Jul 2025 08:36		AR\AJ	Ok
2	I.BLK	I.BLK	PS031332.D	31 Jul 2025 09:00		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031333.D	31 Jul 2025 10:45		AR\AJ	Ok,NR
4	Q2639-05	OU4-TS-40-071725	PS031334.D	31 Jul 2025 11:12		AR\AJ	Ok,NR
5	I.BLK	I.BLK	PS031335.D	31 Jul 2025 11:36		AR\AJ	Ok
6	HSTDCCC750	HSTDCCC750	PS031336.D	31 Jul 2025 12:00		AR\AJ	Ok,NR
7	Q2646-03	FRAC TANK	PS031337.D	31 Jul 2025 13:39		AR\AJ	Ok
8	I.BLK	I.BLK	PS031338.D	31 Jul 2025 15:19		AR\AJ	Ok
9	HSTDCCC750	HSTDCCC750	PS031339.D	31 Jul 2025 15:43		AR\AJ	Ok,NR

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136542

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2637-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2637-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2637-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2637-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2637-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2637-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2638-01	OU4-TS-31-071725	7	1.15	10.44	11.59	8.29	68.4	
Q2638-03	OU4-TS-32-071725	8	1.14	10.41	11.55	7.92	65.1	
Q2638-05	OU4-TS-33-071725	9	1.12	10.69	11.81	8.04	64.7	
Q2638-07	OU4-TS-34-071725	10	1.18	10.81	11.99	8.58	68.5	
Q2638-09	OU4-TS-35-071725	11	1.18	10.24	11.42	9.62	82.4	
Q2638-11	OU4-TS-36-071725	12	1.16	10.22	11.38	9.53	81.9	
Q2638-13	OU4-TS-37-071725	13	1.14	10.27	11.41	9.48	81.2	
Q2639-01	OU4-TS-38-071725	14	1.16	10.58	11.74	9.69	80.6	
Q2639-03	OU4-TS-39-071725	15	1.12	10.64	11.76	9.74	81.0	
Q2639-05	OU4-TS-40-071725	16	1.16	10.23	11.39	9.42	80.7	
Q2639-07	OU4-TS-41-071725	17	1.18	10.20	11.38	9.54	82.0	
Q2639-09	OU4-TS-42-071725	18	1.19	10.34	11.53	7.42	60.3	
Q2639-11	OU4-TS-43-071725	19	1.19	10.67	11.86	7.38	58.0	
Q2639-13	OU4-TS-44-071725	20	1.12	10.87	11.99	8.18	64.9	
Q2641-01	P001-CONCRETE001-01	21	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2645-02	RW5B-CARBON-20250716	22	1.17	10.52	11.69	8.39	68.6	
Q2648-01	A3	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-02	A4	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-03	B2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-04	B3	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-05	B4	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2651-01	MH 2-1	28	1.18	10.67	11.85	11.26	94.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136542

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2651-02	MH 6-5	29	1.15	10.40	11.55	10.9	93.8	
Q2651-03	MH 7-6	30	1.12	10.20	11.32	10.7	93.9	
Q2651-04	MH 8-7	31	1.13	10.44	11.57	11.01	94.6	
Q2651-05	MH 9-8	32	1.13	10.27	11.4	10.67	92.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WM 136542

WorkList Name : %1-071825 **WorkList ID :** 190813 **Department :** Wet-Chemistry **Date :** 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2637-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-01	OU4-TS-31-071725	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-03	OU4-TS-32-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-05	OU4-TS-33-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-07	OU4-TS-34-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-09	OU4-TS-35-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-11	OU4-TS-36-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-13	OU4-TS-37-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-01	OU4-TS-38-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-03	OU4-TS-39-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-05	OU4-TS-40-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-07	OU4-TS-41-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-09	OU4-TS-42-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-11	OU4-TS-43-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-13	OU4-TS-44-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2641-01	P001-CONCRETE001-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	O22	07/16/2025	Chemtech -SO

Date/Time 07/18/25 15:30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 136542

WorkList Name : %1-071825 **WorkList ID :** 190813 **Department :** Wet-Chemistry **Date :** 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2645-02	RW5B-CARBON-20250716	Solid	Percent Solids	Cool 4 deg C	TETR06	O41	07/16/2025	Chemtech -SO
Q2648-01	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-02	A4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-03	B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-04	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-05	B4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2651-01	MH 2-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-02	MH 6-5	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-03	MH 7-6	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-04	MH 8-7	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-05	MH 9-8	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO

Date/Time 07/18/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168945

SOP ID:	M8151A-Herbicide-23				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/22/2025
Matrix :	Solid			**Extraction Start Time :**	09:05
Weigh By:	EH	**Extraction By:**	RS	**Extraction End Date :**	07/22/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	17:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	3,4,5,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24654
Surrogate	1.0ML	5000 PPB	PP24737
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2626
Acidified Na2SO4	N/A	EP2621
Sand	N/A	E3951
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2616
Methylene Chloride	N/A	E3954
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3952
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2618
Hexane	N/A	E3956
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 BTS723.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/22/25	RS (Ext Lab)	Pest/PCB Lab
17:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168945

Analytical Method: M8151A-Herbicide-23 **Concentration Date:** 07/22/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168945BL	HBLK945	Herbicide Group1	30.01	N/A	RUPESH	Evelyn	10			U2-1
PB168945BS	HLCS945	Herbicide Group1	30.02	N/A	RUPESH	Evelyn	10			2
Q2638-01	OU4-TS-31-071725	Herbicide Group1	30.07	N/A	RUPESH	Evelyn	10	D		3
Q2638-03	OU4-TS-32-071725	Herbicide Group1	30.03	N/A	RUPESH	Evelyn	10	D		4
Q2638-05	OU4-TS-33-071725	Herbicide Group1	30.08	N/A	RUPESH	Evelyn	10	D		5
Q2638-07	OU4-TS-34-071725	Herbicide Group1	30.05	N/A	RUPESH	Evelyn	10	D		6
Q2638-09	OU4-TS-35-071725	Herbicide Group1	30.01	N/A	RUPESH	Evelyn	10	D		U3-1
Q2638-11	OU4-TS-36-071725	Herbicide Group1	30.06	N/A	RUPESH	Evelyn	10	D		2
Q2638-11MS	OU4-TS-36-071725MS	Herbicide Group1	30.03	N/A	RUPESH	Evelyn	10	D		3
Q2638-11MSD	OU4-TS-36-071725MSD	Herbicide Group1	30.07	N/A	RUPESH	Evelyn	10	D		4
Q2638-13	OU4-TS-37-071725	Herbicide Group1	30.04	N/A	RUPESH	Evelyn	10	D		5
Q2639-01	OU4-TS-38-071725	Herbicide Group1	30.08	N/A	RUPESH	Evelyn	10	D		6
Q2639-03	OU4-TS-39-071725	Herbicide Group1	30.04	N/A	RUPESH	Evelyn	10	D		U6-1
Q2639-05	OU4-TS-40-071725	Herbicide Group1	30.05	N/A	RUPESH	Evelyn	10	D		2
Q2639-07	OU4-TS-41-071725	Herbicide Group1	30.02	N/A	RUPESH	Evelyn	10	D		3
Q2639-09	OU4-TS-42-071725	Herbicide Group1	30.06	N/A	RUPESH	Evelyn	10	D		4
Q2639-11	OU4-TS-43-071725	Herbicide Group1	30.01	N/A	RUPESH	Evelyn	10	D		5
Q2639-13	OU4-TS-44-071725	Herbicide Group1	30.07	N/A	RUPESH	Evelyn	10	D		6
Q2649-01	WC-1	Herbicide	30.05	N/A	RUPESH	Evelyn	10	E		U1-1
Q2649-05	WC-2	Herbicide	30.09	N/A	RUPESH	Evelyn	10	E		2
Q2649-09	WC-3	Herbicide	30.03	N/A	RUPESH	Evelyn	10	E		3
Q2649-13	WC-4	Herbicide	30.02	N/A	RUPESH	Evelyn	10	E		4
Q2649-17	WC-5	Herbicide	30.04	N/A	RUPESH	Evelyn	10	E		5
Q2649-21	WC-6	Herbicide	30.08	N/A	RUPESH	Evelyn	10	E		6

RS 7/22

* **Extracts relinquished on the same date as received.**

168945
9:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2649H **WorkList ID :** 190865 **Department :** Extraction **Date :** 07-22-2025 09:00:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2638-01	OU4-TS-31-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-03	OU4-TS-32-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-05	OU4-TS-33-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-07	OU4-TS-34-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-09	OU4-TS-35-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-11	OU4-TS-36-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2638-13	OU4-TS-37-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O21	07/17/2025	8151A
Q2639-01	OU4-TS-38-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-03	OU4-TS-39-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-05	OU4-TS-40-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-07	OU4-TS-41-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-09	OU4-TS-42-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-11	OU4-TS-43-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2639-13	OU4-TS-44-071725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/17/2025	8151A
Q2649-01	WC-1	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A
Q2649-05	WC-2	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A
Q2649-09	WC-3	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A
Q2649-13	WC-4	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A
Q2649-17	WC-5	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A
Q2649-21	WC-6	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	07/18/2025	8151A

Date/Time 7/22/25 9:00
Raw Sample Received by: EH (Ext lab)
Raw Sample Relinquished by: CP SM

Date/Time 7/22/25 9:40
Raw Sample Received by: CP SM
Raw Sample Relinquished by: EH (Ext lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q2639

Test : Herbicide Group1

Prepbatch ID : PB168945,

Sequence ID/Qc Batch ID: PS072325,PS072425,PS073025,Ps073125,

Standard ID :
EP2621,EP2626,PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560,PP24561,PP24562,PP24654,PP24737,

Chemical ID :
E3551,E3881,E3933,E3940,E3949,E3951,E3954,E3956,M6151,M6157,P11183,P12620,P12630,P12689,P12710,P13543,P13544,P13545,P13546,P13971,P13977,P14064,P14065,P14066,P8829,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
601	Acidified Sodium Sulphate 2	EP2621	06/03/2025	08/14/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 06/03/2025

FROM 100.00000ml of E3881 + 150.00000ml of M6157 + 3000.00000ml of E3551 = Final Quantity: 3000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2626	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 8000.00000ml of E3949 + 8000.00000ml of E3954 = Final Quantity: 16000.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1321	2/200 PPM Herb Mega Mix	PP24553	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.20000ml of P8829 + 1.00000ml of P11183 + 1.00000ml of P12620 + 1.00000ml of P12630 + 1.00000ml of P12689 + 95.80000ml of E3933 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1851	2/200 PPM Herb Mega Mix 2nd Source	PP24554	05/12/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.50000ml of P13971 + 1.00000ml of P12710 + 48.50000ml of E3933 = Final Quantity: 50.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1456	200 PPB Herb MIX STD	PP24556	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.90000ml of E3933 + 0.10000ml of PP24553 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1455	500 PPB Herb MIX STD	PP24557	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.75000ml of E3933 + 0.25000ml of PP24553 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1453	1000 PPB Herb MIX STD	PP24558	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.50000ml of E3933 + 0.50000ml of PP24553 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1454	750 PPB Herb MIX STD	PP24559	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24558 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1452	1500 PPB HERB MIX STD	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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1691	750 PPB ICV HERB STD	PP24562	05/12/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24561 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24654	06/18/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/23/2025

FROM 1.25000ml of P13543 + 1.25000ml of P13544 + 1.25000ml of P13545 + 1.25000ml of P13546 + 95.00000ml of E3940 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP24737	07/18/2025	01/18/2026	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 1.25000ml of P13977 + 1.25000ml of P14064 + 1.25000ml of P14065 + 1.25000ml of P14066 + 195.00000ml of E3956 = Final Quantity: 200.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC04977-3 / Ether, Anhydrous, Glass Distilled, HRGC/HPLC, 4L	242789	06/30/2025	02/14/2025 / Rajesh	01/06/2025 / Rajesh	E3881

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3940

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	11/12/2025	05/12/2025 / Abdul	11/01/2021 / Abdul	P11183

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12620

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A192429	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32059 / Herbicide Mix#3 (Methyl Ester), 20000 ug/ml	A0199844	11/12/2025	05/12/2025 / Abdul	07/24/2023 / Abdul	P12689

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	08/12/2025	05/12/2025 / Abdul	08/09/2023 / Abdul	P12710

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	08/12/2025	05/12/2025 / Abdul	08/09/2023 / Abdul	P12710

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13543

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13543

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13544

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13544

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13545

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13545

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13546

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	12/18/2025	06/18/2025 / Abdul	09/24/2024 / Abdul	P13546

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/12/2025	05/12/2025 / Abdul	04/02/2025 / Abdul	P13971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	01/18/2026	07/18/2025 / Abdul	04/02/2025 / Abdul	P13977

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	01/18/2026	07/18/2025 / Abdul	06/23/2025 / anahy	P14064

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	01/18/2026	07/18/2025 / Abdul	06/23/2025 / anahy	P14065

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	01/18/2026	07/18/2025 / Abdul	06/23/2025 / anahy	P14066

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32254 / Dalapon Methyl Ester, 1000 ug/ml	A0148063	11/12/2025	05/12/2025 / Abdul	08/16/2019 / Stephen	P8829

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

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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

Kalyan Paruchuri - Quality Control Supervisor - Bridgewater

E 3881

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3933

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 6/11/25

E3940

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Read on 7/2/25

E3949

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

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recieved on 7/16/25

E3956

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

avantor | J.T.Baker

M615 MB

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities - Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities - Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities - Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities - Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities - Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

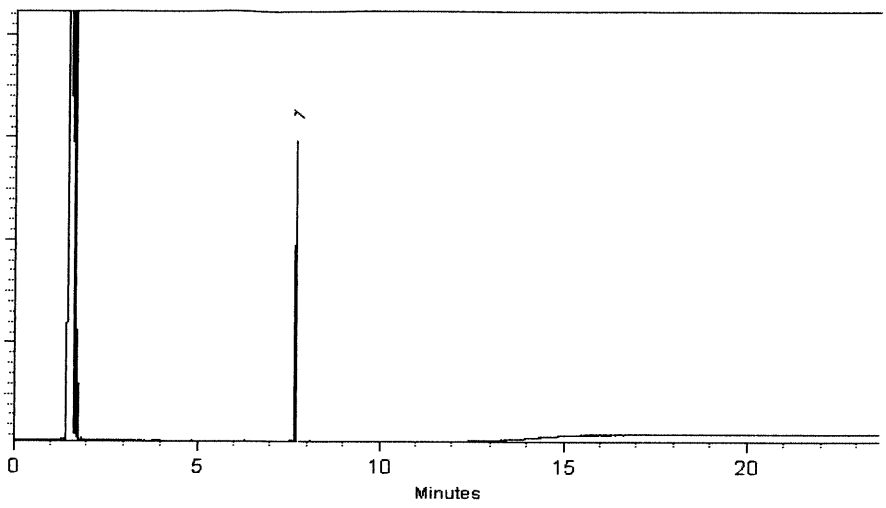
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 111177 to P 111186

AR 11/02/21

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323	µg/mL	Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182	µg/mL	Unstressed
	Purity 99%		+/- 6.8182	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P111177
↓
P111186

AR
11/02/21

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
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.

P12616 (S) → P12620

7/5/2023

Catalog No. : 32062 **Lot No.:** A0155055

Description : Herbicide Mix #4/ME (Methyl Ester)

Herbicide Mix #4/ME (Methyl Ester) 200µg/mL, Hexane/Methyl-tert-butyl-ether, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	3,5-Dichlorobenzoic acid methyl ester **CAS #** 2905-67-1 (Lot 3903900) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	4-Nitroanisole **CAS #** 100-17-4 (Lot 24765/7) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Pentachloroanisole **CAS #** 1825-21-4 (Lot 7921100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Chloramben methyl ester **CAS #** 7286-84-2 (Lot 6487100) **Purity** 98%	199.9 µg/mL	+/- 1.4176 +/- 6.7480 +/- 6.7480	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Bentazon methyl ester **CAS #** 61592-45-8 (Lot 817100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Picloram methyl ester **CAS #** 14143-55-6 (Lot 386-21B) **Purity** 98%	201.9 µg/mL	+/- 1.4315 +/- 6.8141 +/- 6.8141	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	DCPA methyl ester (Chlorthal-dimethyl) **CAS #** 1861-32-1 (Lot 8008700) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	Acifluorfen methyl ester		200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric
	CAS # 50594-67-7	(Lot 6282300)		+/- 6.7507	µg/mL	Unstressed
	Purity 99%			+/- 6.7507	µg/mL	Stressed

Solvent: Hexane/Methyl-tert-butyl-ether
CAS # 110-54-3/1634-04-4
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

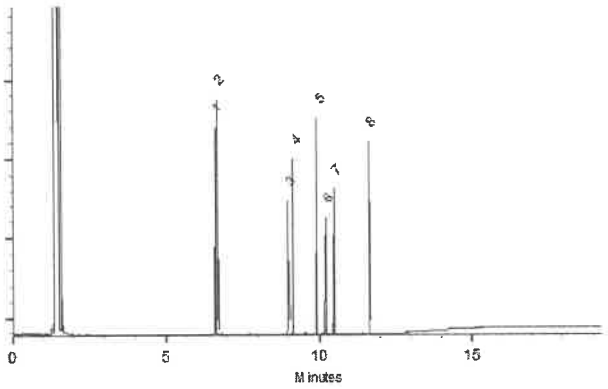
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael J Maye

Justine Albertson - Operations Tech-ARM QC

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Date Passed: 18-Nov-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12626 (5) & P12630 1

7/5/2023

Catalog No. : 32055 **Lot No.:** A0192429

Description : Herbicide Mix #1/ME (Methyl Ester)

Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	11705400	99%	201.6 µg/mL	+/- 3.4204
2	Dichlorprop methyl ester	57153-17-0	11672100	99%	201.4 µg/mL	+/- 3.4170
3	2,4-D methyl ester	1928-38-7	10048000	99%	201.2 µg/mL	+/- 3.4136
4	2,4,5-TP (silvex) methyl ester	4841-20-7	6364900	99%	201.2 µg/mL	+/- 3.4136
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	200.7 µg/mL	+/- 3.4052
6	Dinoseb methyl ether	6099-79-2	12914300	99%	200.8 µg/mL	+/- 3.4068
7	2,4-DB methyl ester	18625-12-2	12542000	99%	201.0 µg/mL	+/- 3.4102

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

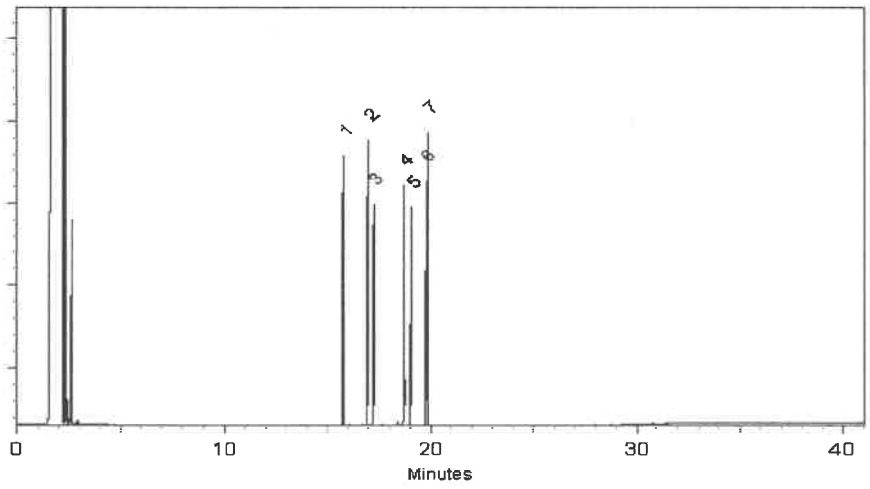
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 09-Dec-2022 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 12-Dec-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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P 12685 ↓ P 12689 (S)

7/24/23

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)

Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

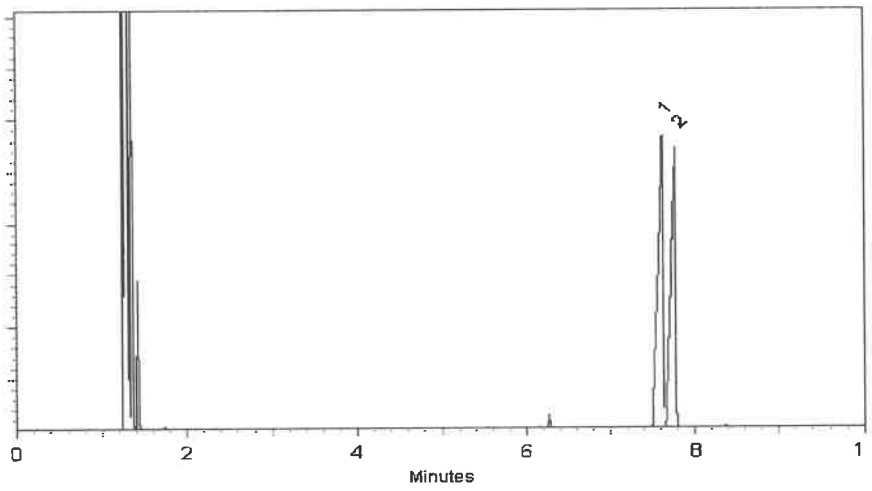
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P12706 ↓ P12715 (10)

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Trusted Answers

ISO 17034

8/15/23

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Product Number: HBM-8151M-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006752480

Lot Issue Date: 18-Jul-2023

Expiration Date: 31-Aug-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen methyl ester	100.3	±	0.5 µg/mL	050594-67-7	RM03058
bentazon methyl derivative	100.2	±	0.5 µg/mL	061592-45-8	RM13829
chloramben methyl ester	100.4	±	0.5 µg/mL	007286-84-2	RM03055
2,4-D methyl ester	100.2	±	0.5 µg/mL	001928-38-7	RM03040
dalapon methyl ester	100.4	±	0.5 µg/mL	017640-02-7	RM14219
2,4-DB methyl ester	100.2	±	0.5 µg/mL	018625-12-2	RM03029
DCPA	100.2	±	0.5 µg/mL	001861-32-1	RM13426
dicamba methyl ester	100.4	±	0.5 µg/mL	006597-78-0	RM03039
methyl-3,5-dichlorobenzoate	100.1	±	0.5 µg/mL	002905-67-1	RM03048
dichlorprop methyl ester	100.4	±	0.5 µg/mL	057153-17-0	NT02086
dinoseb methyl ether	100.5	±	0.5 µg/mL	006099-79-2	RM03051
MCPA methyl ester	10031	±	50 µg/mL	002436-73-9	RM12863
MCPP methyl ester	10031	±	50 µg/mL	023844-56-6	RM20060
4-nitroanisole	100.3	±	0.5 µg/mL	000100-17-4	RM02806
pentachloroanisole	100.4	±	0.5 µg/mL	001825-21-4	RM02457
picloram methyl ester	100.2	±	0.5 µg/mL	014143-55-6	RM03044
silvex methyl ester	100.2	±	0.5 µg/mL	004841-20-7	RM03799
2,4,5-T methyl ester	100.4	±	0.5 µg/mL	001928-37-6	RM03033

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

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Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

P12706 (10)
↓
P12715

8.15.23

ANAB
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

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CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Herbicides Standard

Product Number: HBM-8151A-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955

Lot Issue Date: 20-Aug-2024

Expiration Date: 30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541 ↓ P13561 (20)

CSD-QA-015.2

ISO 17025
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9/25/2024

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ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Herbicides Standard

Product Number: HBM-8151A-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955

Lot Issue Date: 20-Aug-2024

Expiration Date: 30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541 ↓ P13561 (20)

CSD-QA-015.2

ISO 17025
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9/25/2024

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ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Herbicides Standard

Product Number: HBM-8151A-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955

Lot Issue Date: 20-Aug-2024

Expiration Date: 30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541 ↓ P13561 (20)

CSD-QA-015.2

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Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Herbicides Standard

Product Number: HBM-8151A-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955

Lot Issue Date: 20-Aug-2024

Expiration Date: 30-Sep-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4	±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4	±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3	±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2	±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3	±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4	±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5	±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3	±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
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Homogeneity:
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P13541 ↓ P13561 (20)

CSD-QA-015.2

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9/25/2024

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester 200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968 → 13977 (10)

4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

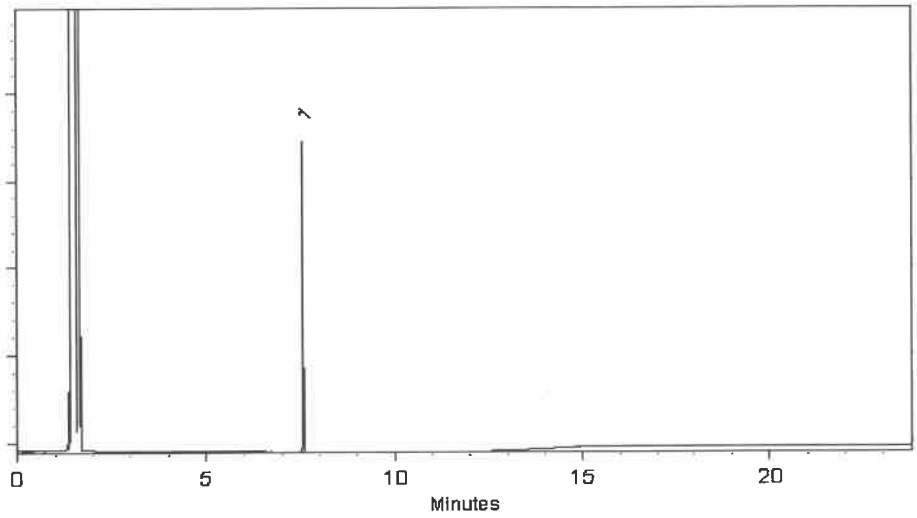
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester 200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968 → 13977 (10)

4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

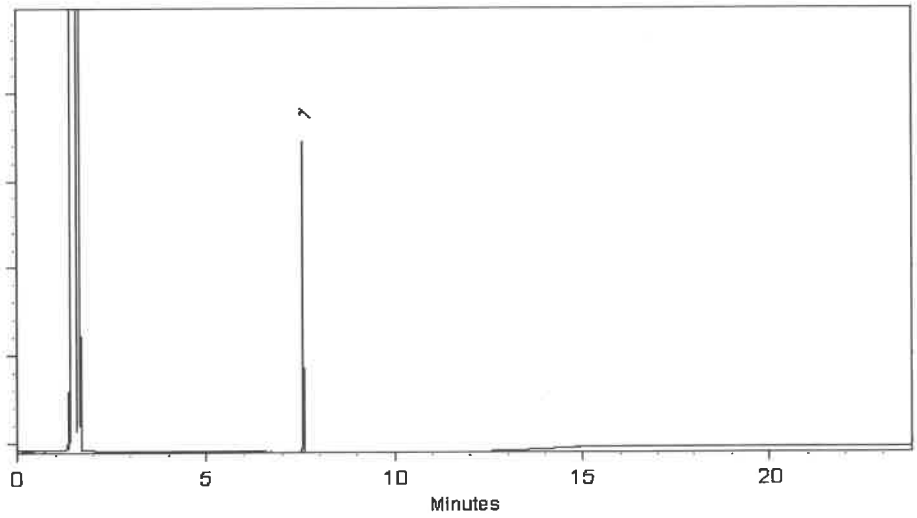
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662

Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

P14064 ↓ P14078 AC 6/23/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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200µg/mL, Hexane, 1mL/ampul

P14064 ↓ P14078 AC 6/23/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

P14064 ↓ P14078 AC 6/23/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by SG on 8/16/19
P8828
P8826

Catalog No. : 32254 **Lot No.:** A0148063

Description : Dalapon methyl ester Standard

Dalapon methyl ester 1000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dalapon methyl ester	999.6 µg/mL	+/- 10.0697	µg/mL	Gravimetric
	CAS # 17640-02-7 (Lot 1764600)		+/- 34.4896	µg/mL	Unstressed
	Purity 98%		+/- 34.4896	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

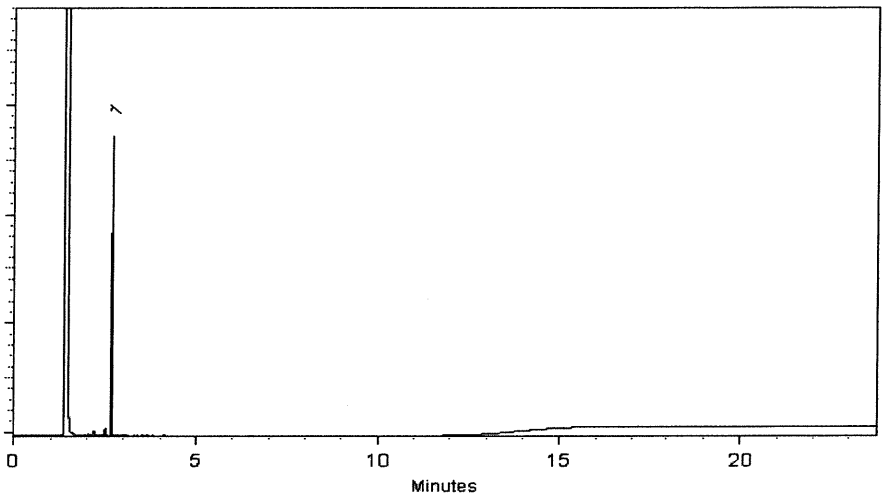
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2019 **Balance:** 1127510105

Fang-Yun Lo - QC Analyst

Date Passed: 15-Apr-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397



SHIPPING DOCUMENTS

Q 2639

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-38-071725	7/17/25	11:40	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-39-071725	7/17/25	11:50	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-40-071725	7/17/25	12:00	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-41-071725	7/17/25	12:10	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-42-071725	7/17/25	12:20	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-43-071725	7/17/25	12:30	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-44-071725	7/17/25	12:40	G	SO		3	2					X	X	X	X	X	X	X	X	X

[2] Preservation Code

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 7/17/25 1500
Received by: (signature)	Date/Time: 7/18/25 0855
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:
5.1°C - 4.7°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2639 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/18/2025 10:22:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/18/2025 9:55:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2639-01	OU4-TS-38-071725	Solid	07/17/2025	11:40					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-03	OU4-TS-39-071725	Solid	07/17/2025	11:50					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-05	OU4-TS-40-071725	Solid	07/17/2025	12:00					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-07	OU4-TS-41-071725	Solid	07/17/2025	12:10					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-09	OU4-TS-42-071725	Solid	07/17/2025	12:20					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-11	OU4-TS-43-071725	Solid	07/17/2025	12:30					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-13	OU4-TS-44-071725	Solid	07/17/2025	12:40					
					VOCMS Group3		8260D		10 Bus. Days

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2639 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/18/2025 10:22:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/18/2025 9:55:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : AV
Date / Time : 7/18/25 1100

Received By : Sam
Date / Time : 07/18/25 11:00

Rq #6 of 22

Storage Area : VOA Refridgerator Room

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

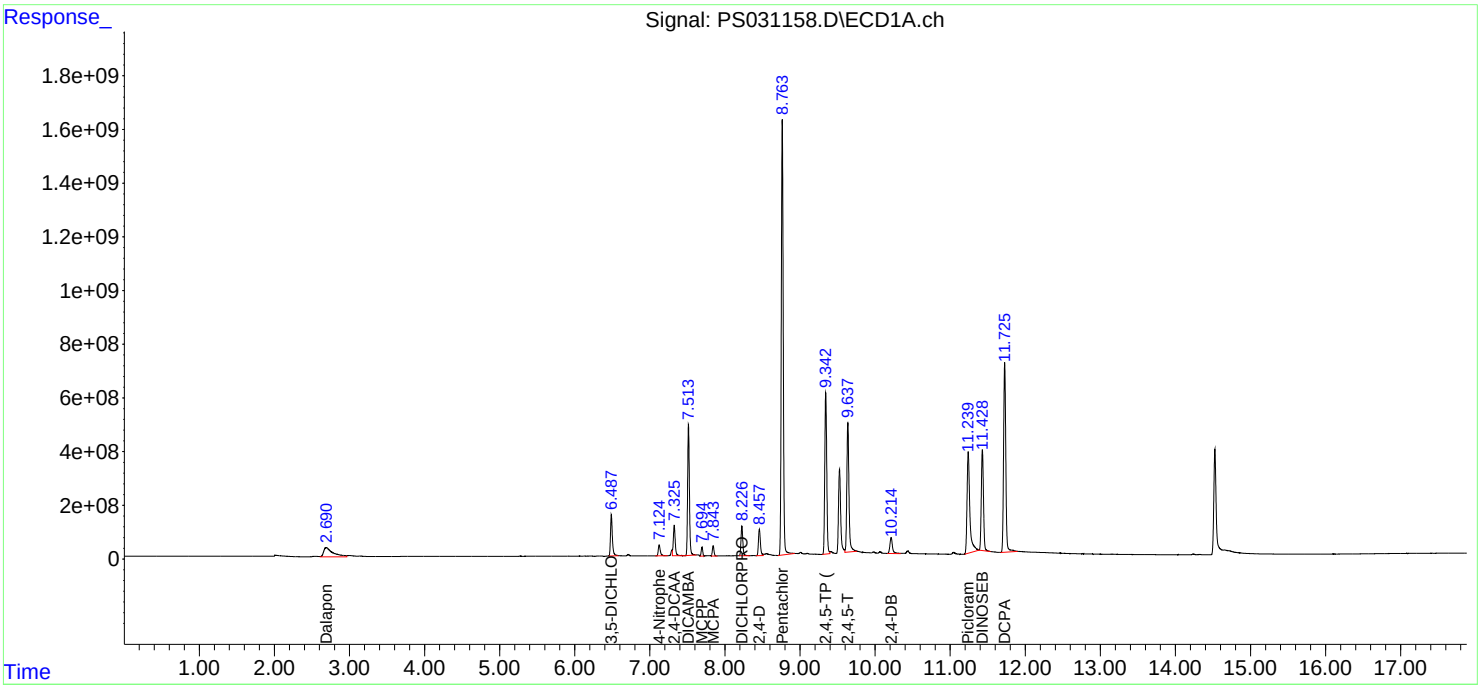
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

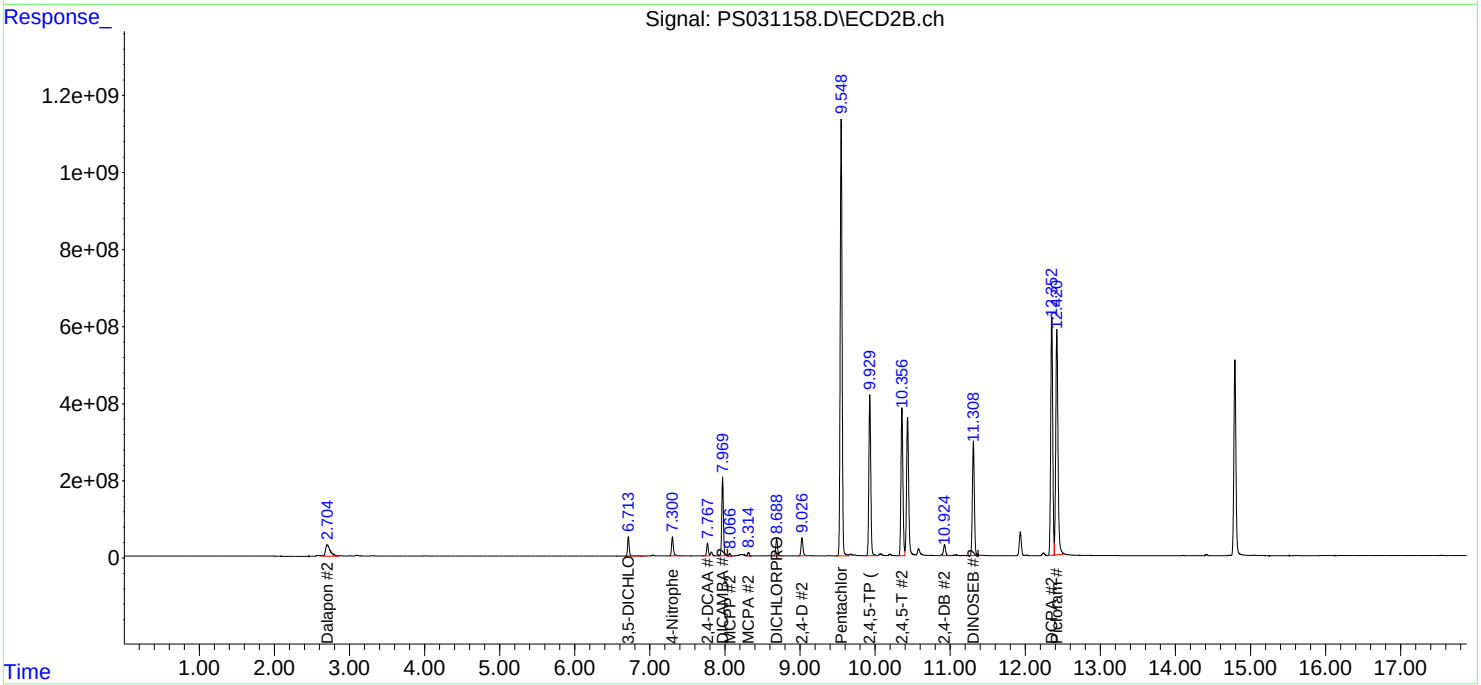
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072125\
Data File : PS031158.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:26
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

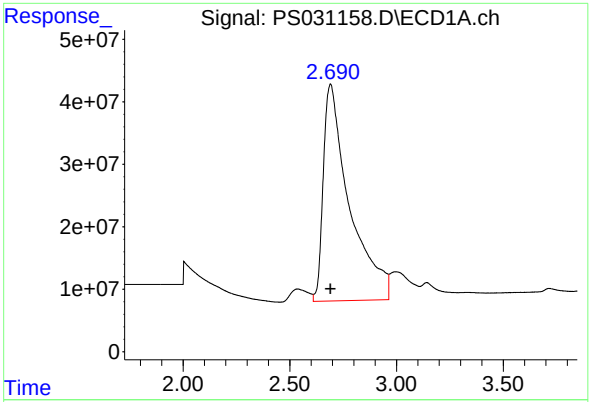
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

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



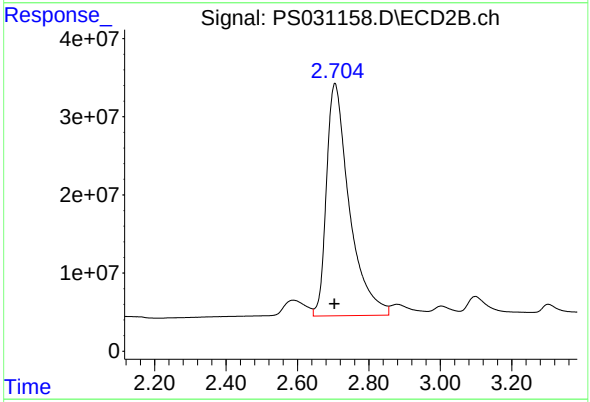




#1 Dalapon

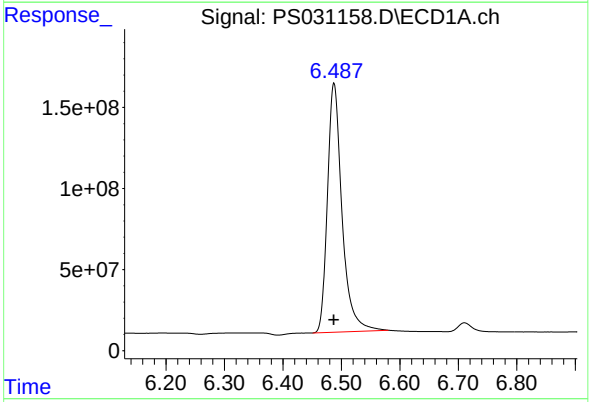
R.T.: 2.690 min
Delta R.T.: 0.000 min
Response: 2959298028
Conc: 478.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



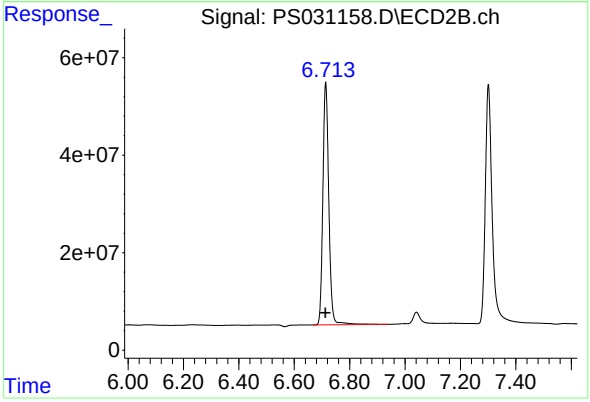
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: 0.001 min
Response: 1321530235
Conc: 474.37 ng/ml



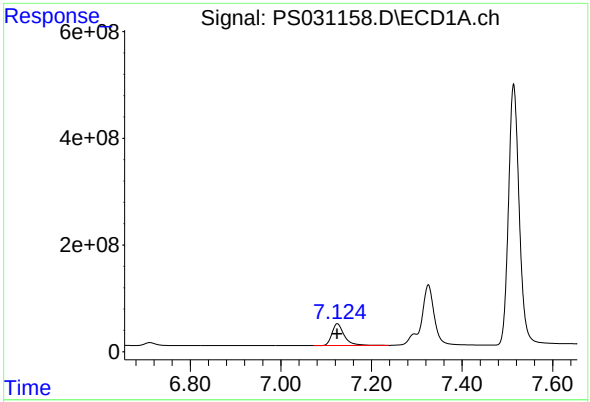
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.487 min
Delta R.T.: 0.000 min
Response: 2659579107
Conc: 495.19 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

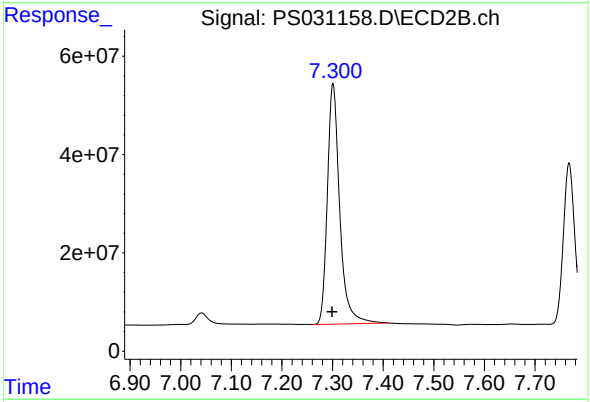
R.T.: 6.714 min
Delta R.T.: 0.000 min
Response: 740511149
Conc: 497.02 ng/ml



#3 4-Nitrophenol

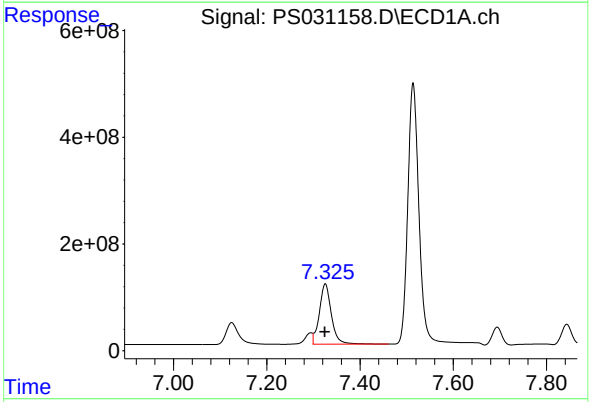
R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 767894643
Conc: 478.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



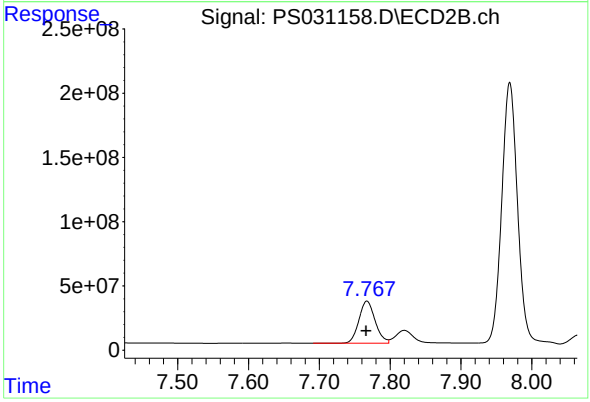
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.002 min
Response: 829273311
Conc: 464.71 ng/ml



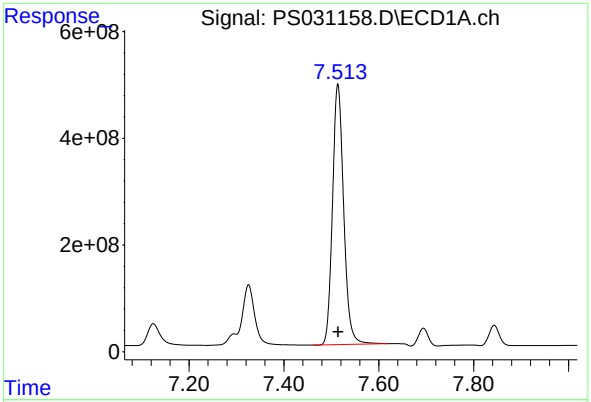
#4 2,4-DCAA

R.T.: 7.326 min
Delta R.T.: 0.001 min
Response: 2018803577
Conc: 475.16 ng/ml



#4 2,4-DCAA

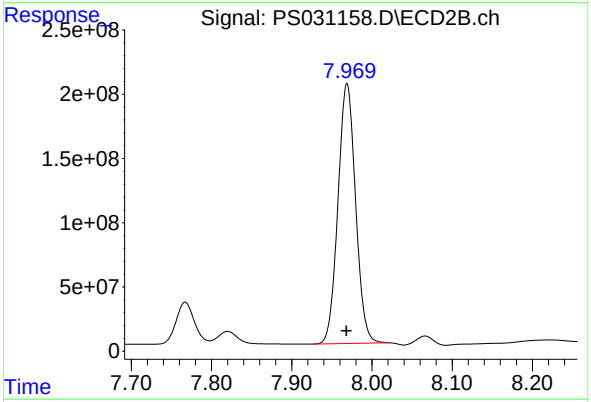
R.T.: 7.767 min
Delta R.T.: 0.001 min
Response: 519906660
Conc: 526.01 ng/ml



#5 DICAMBA

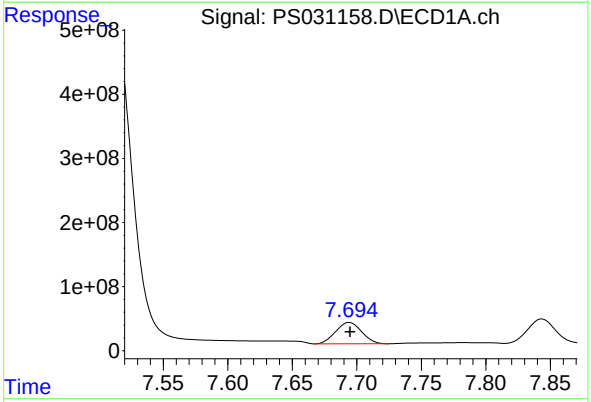
R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 7996510974
Conc: 491.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



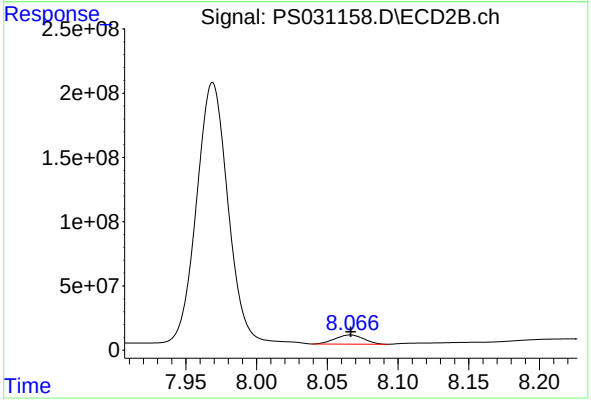
#5 DICAMBA

R.T.: 7.969 min
Delta R.T.: 0.001 min
Response: 3086481070
Conc: 480.99 ng/ml



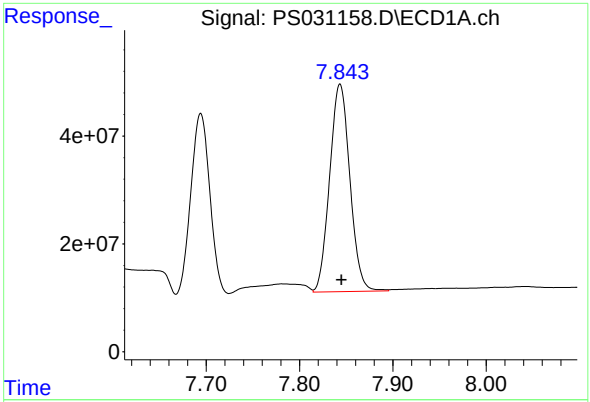
#6 MCPP

R.T.: 7.694 min
Delta R.T.: 0.000 min
Response: 467826179
Conc: 45.45 ug/ml



#6 MCPP

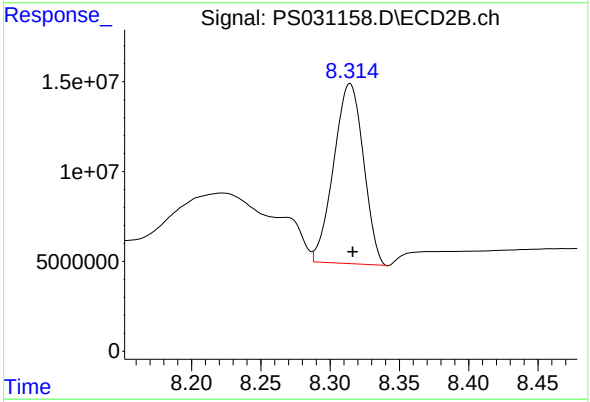
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 100345918
Conc: 46.92 ug/ml



#7 MCPA

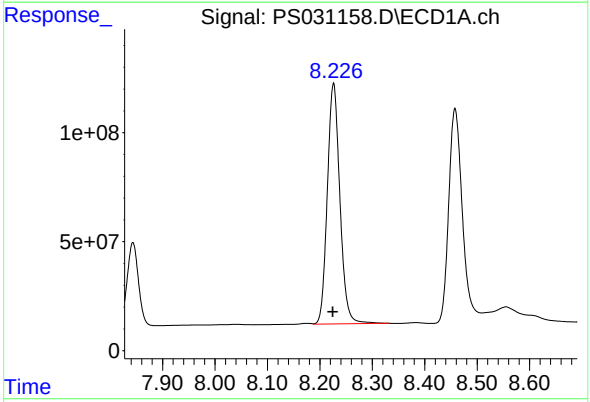
R.T.: 7.843 min
Delta R.T.: -0.001 min
Response: 579732469
Conc: 46.10 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



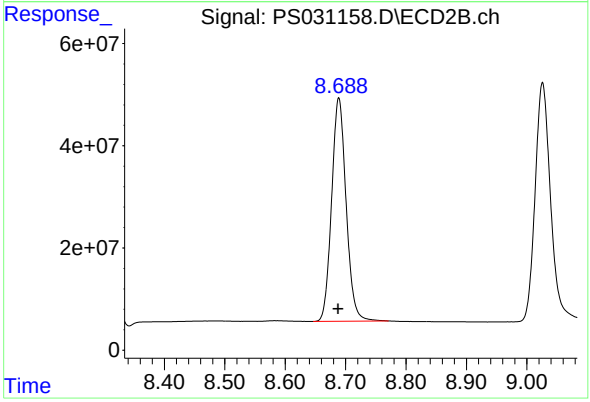
#7 MCPA

R.T.: 8.314 min
Delta R.T.: -0.002 min
Response: 149500104
Conc: 47.32 ug/ml



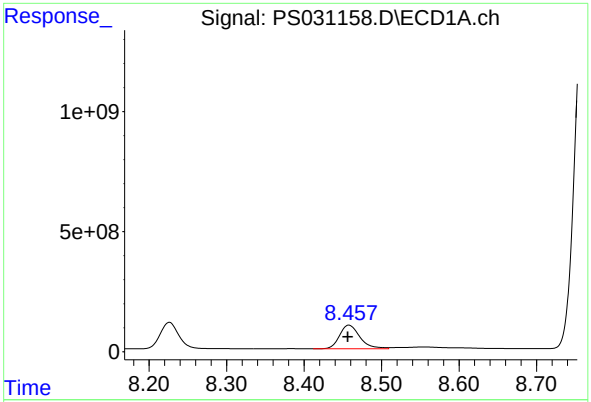
#8 DICHLORPROP

R.T.: 8.226 min
Delta R.T.: 0.002 min
Response: 1838072799
Conc: 498.99 ng/ml



#8 DICHLORPROP

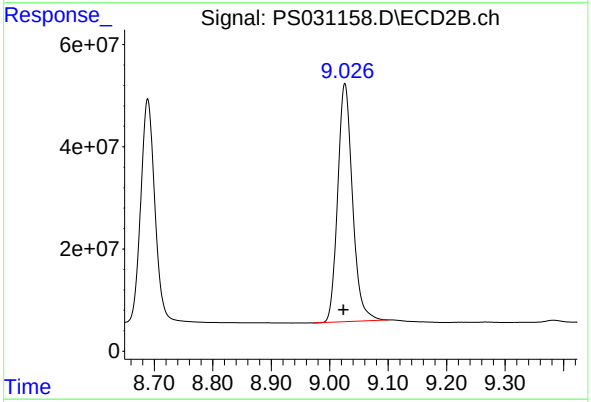
R.T.: 8.689 min
Delta R.T.: 0.001 min
Response: 729443662
Conc: 495.09 ng/ml



#9 2,4-D

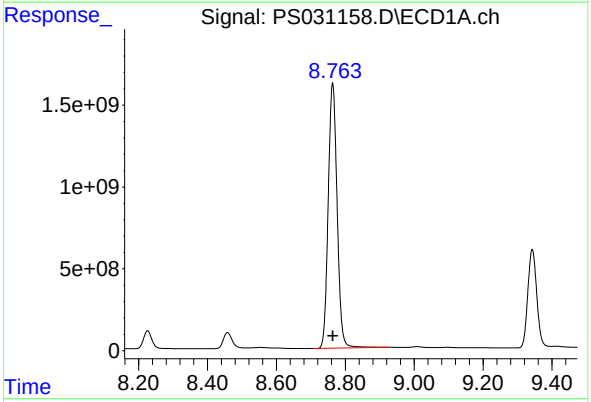
R.T.: 8.458 min
Delta R.T.: 0.001 min
Response: 1795744990
Conc: 491.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



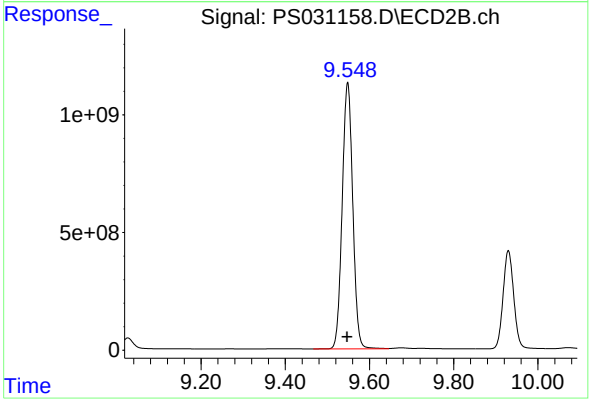
#9 2,4-D

R.T.: 9.026 min
Delta R.T.: 0.002 min
Response: 819019953
Conc: 494.52 ng/ml



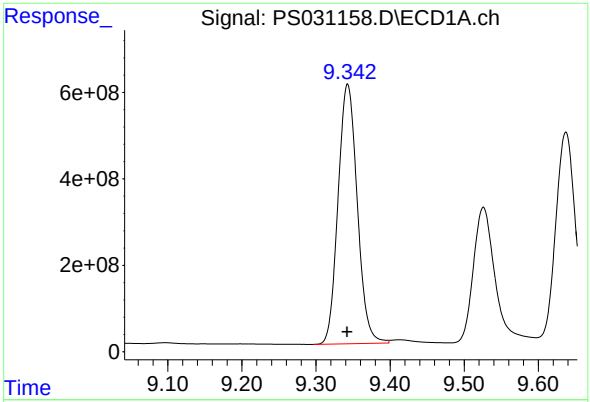
#10 Pentachlorophenol

R.T.: 8.763 min
Delta R.T.: 0.000 min
Response: 29107710379
Conc: 507.93 ng/ml



#10 Pentachlorophenol

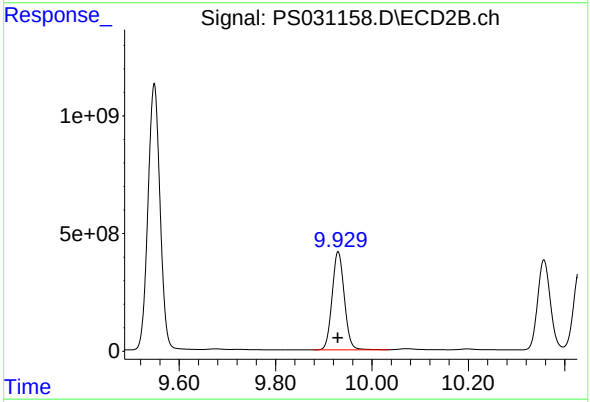
R.T.: 9.548 min
Delta R.T.: 0.001 min
Response: 19707796449
Conc: 493.17 ng/ml



#11 2,4,5-TP (SILVEX)

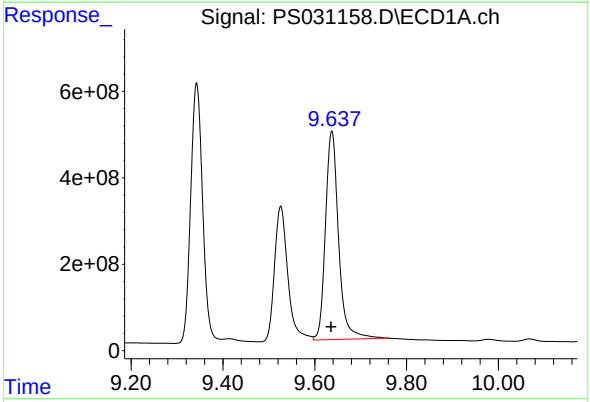
R.T.: 9.343 min
Delta R.T.: 0.000 min
Response: 10820483706
Conc: 500.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



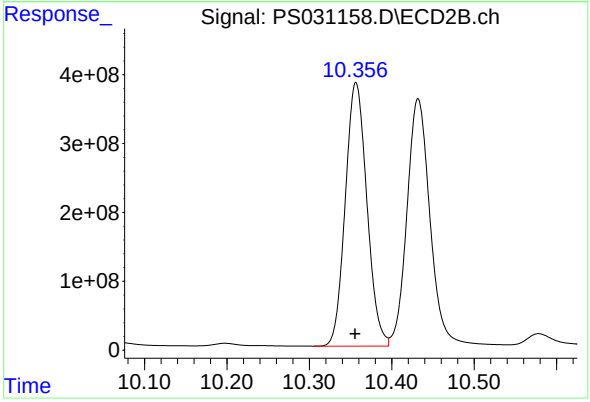
#11 2,4,5-TP (SILVEX)

R.T.: 9.930 min
Delta R.T.: 0.001 min
Response: 7341058970
Conc: 494.65 ng/ml



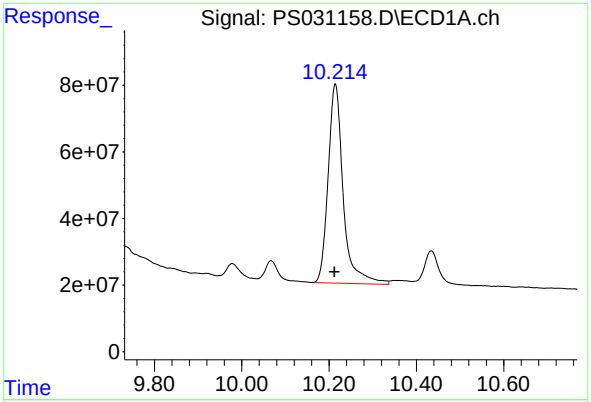
#12 2,4,5-T

R.T.: 9.637 min
Delta R.T.: 0.001 min
Response: 9577192088
Conc: 490.92 ng/ml



#12 2,4,5-T

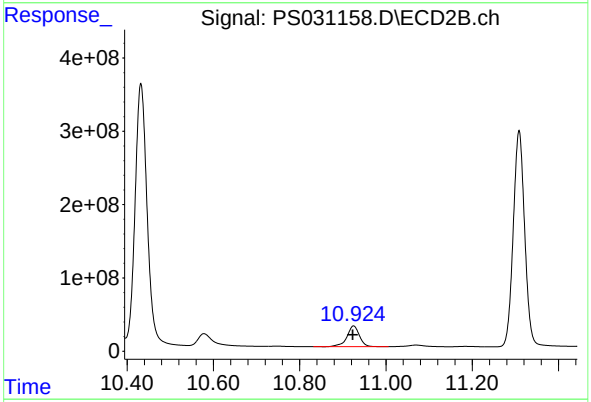
R.T.: 10.357 min
Delta R.T.: 0.001 min
Response: 6973310939
Conc: 492.59 ng/ml



#13 2,4-DB

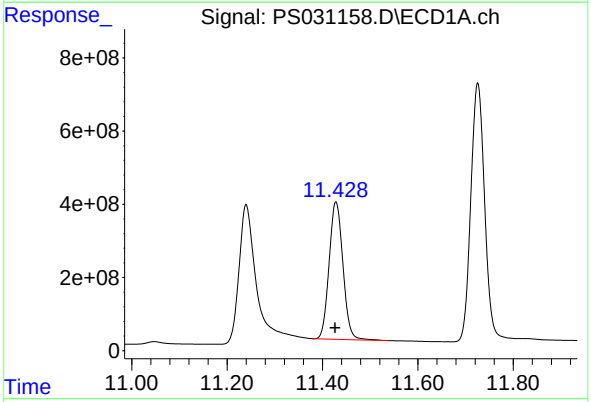
R.T.: 10.214 min
Delta R.T.: 0.002 min
Response: 1431511568
Conc: 483.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



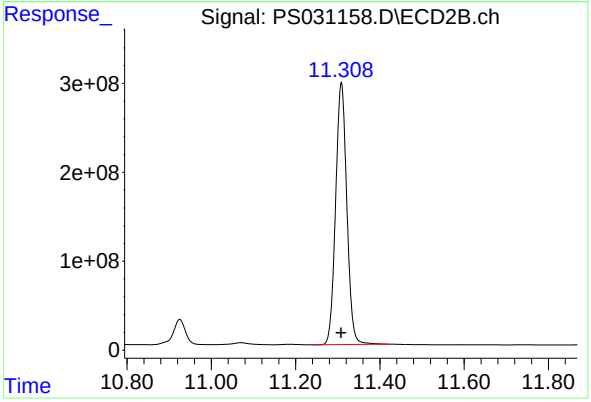
#13 2,4-DB

R.T.: 10.925 min
Delta R.T.: 0.002 min
Response: 570663468
Conc: 493.14 ng/ml



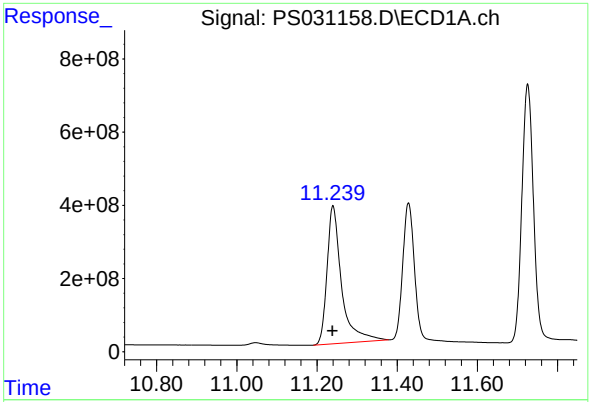
#14 DINOSEB

R.T.: 11.428 min
Delta R.T.: 0.002 min
Response: 7542802456
Conc: 489.22 ng/ml



#14 DINOSEB

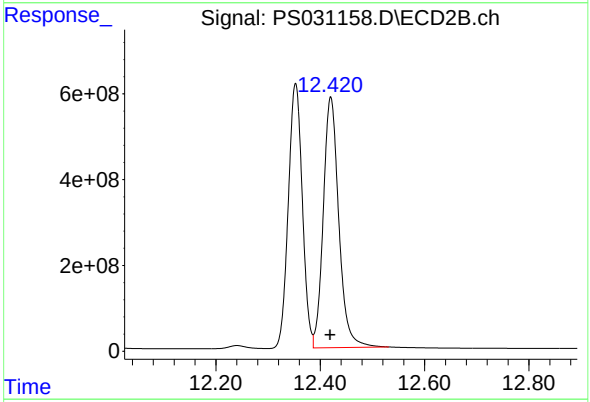
R.T.: 11.309 min
Delta R.T.: 0.000 min
Response: 5427075463
Conc: 482.59 ng/ml



#15 Picloram

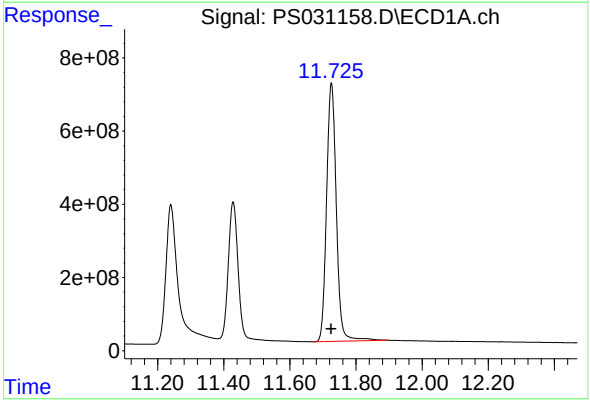
R.T.: 11.240 min
Delta R.T.: 0.001 min
Response: 9521922595
Conc: 472.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



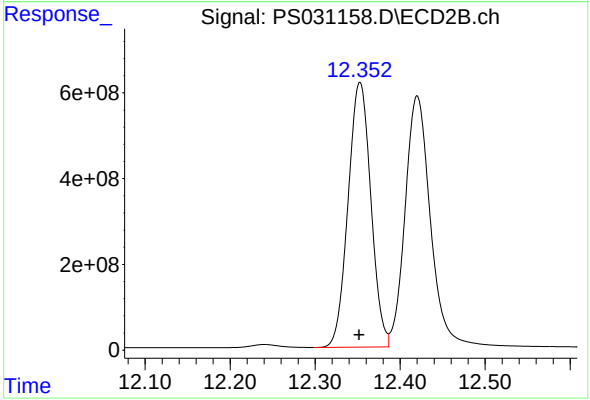
#15 Picloram

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 : PS031180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:50
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.322	7.765	3007.2E6	765.8E6	691.584	754.525
		Target Compounds						
1)	T	Dalapon	2.687	2.703	4207.3E6	1874.4E6	670.714	660.750
2)	T	3,5-DICHL...	6.484	6.712	3952.5E6	1073.7E6	715.667	697.226
3)	T	4-Nitroph...	7.122	7.298	1247.7E6	1263.8E6	756.720	698.473
5)	T	DICAMBA	7.511	7.966	12105.2E6	4687.8E6	733.785	726.410
6)	T	MCPP	7.692	8.065	767.4E6	153.3E6	76.665	73.762
7)	T	MCPA	7.843	8.314	944.7E6	229.6E6	75.487	72.758
8)	T	DICHLORPROP	8.222	8.685	2741.7E6	1070.0E6	717.361	706.363
9)	T	2,4-D	8.453	9.022	2797.2E6	1204.9E6	748.945	709.489
10)	T	Pentachlo...	8.762	9.545	42413.9E6	29362.7E6	776.505	751.325
11)	T	2,4,5-TP ...	9.338	9.926	16434.3E6	10865.9E6	748.594	729.537
12)	T	2,4,5-T	9.632	10.353	15267.8E6	10365.3E6	781.851	728.954
13)	T	2,4-DB	10.209	10.920	2386.8E6	852.2E6	798.303	728.094
14)	T	DINOSEB	11.423	11.305	11518.6E6	8179.0E6	739.819	723.669
15)	T	Picloram	11.234	12.415	16216.3E6	18579.8E6	810.549	746.326
16)	T	DCPA	11.720	12.349	21609.6E6	17155.7E6	753.119	744.731

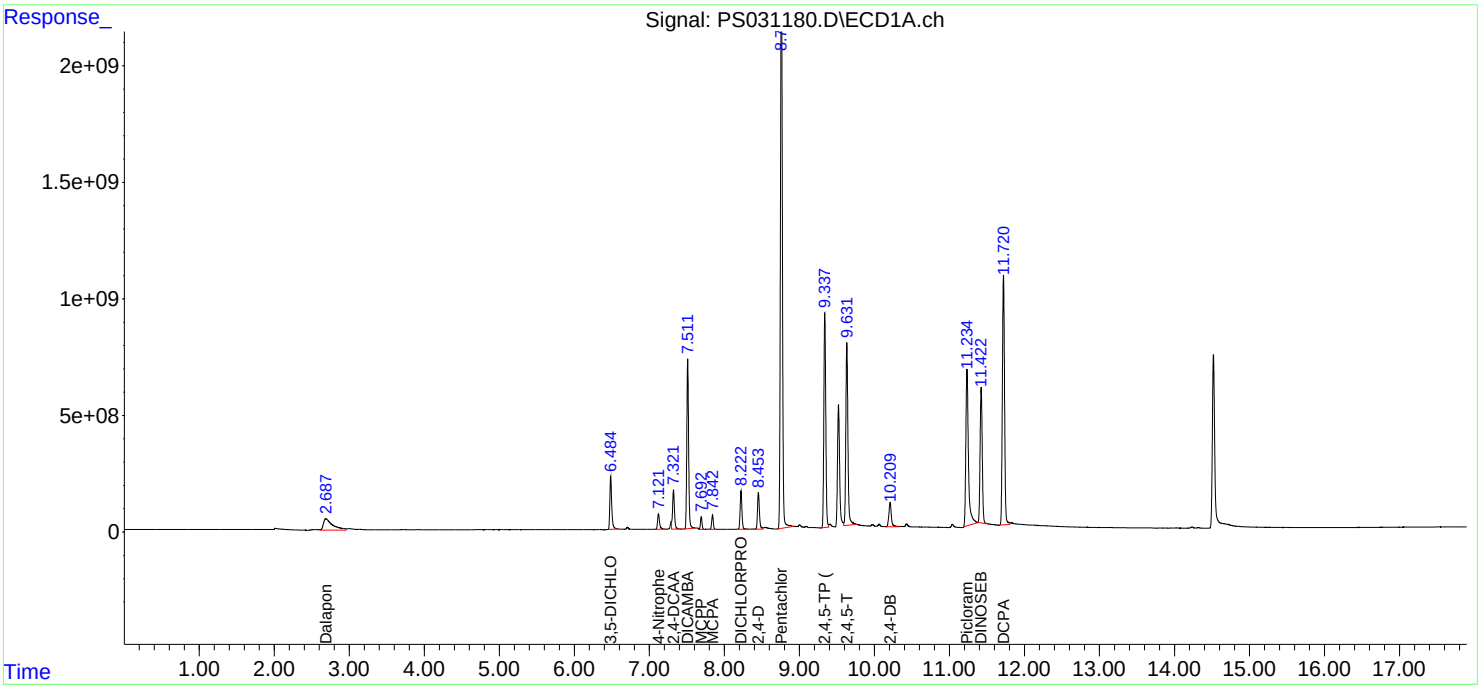
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

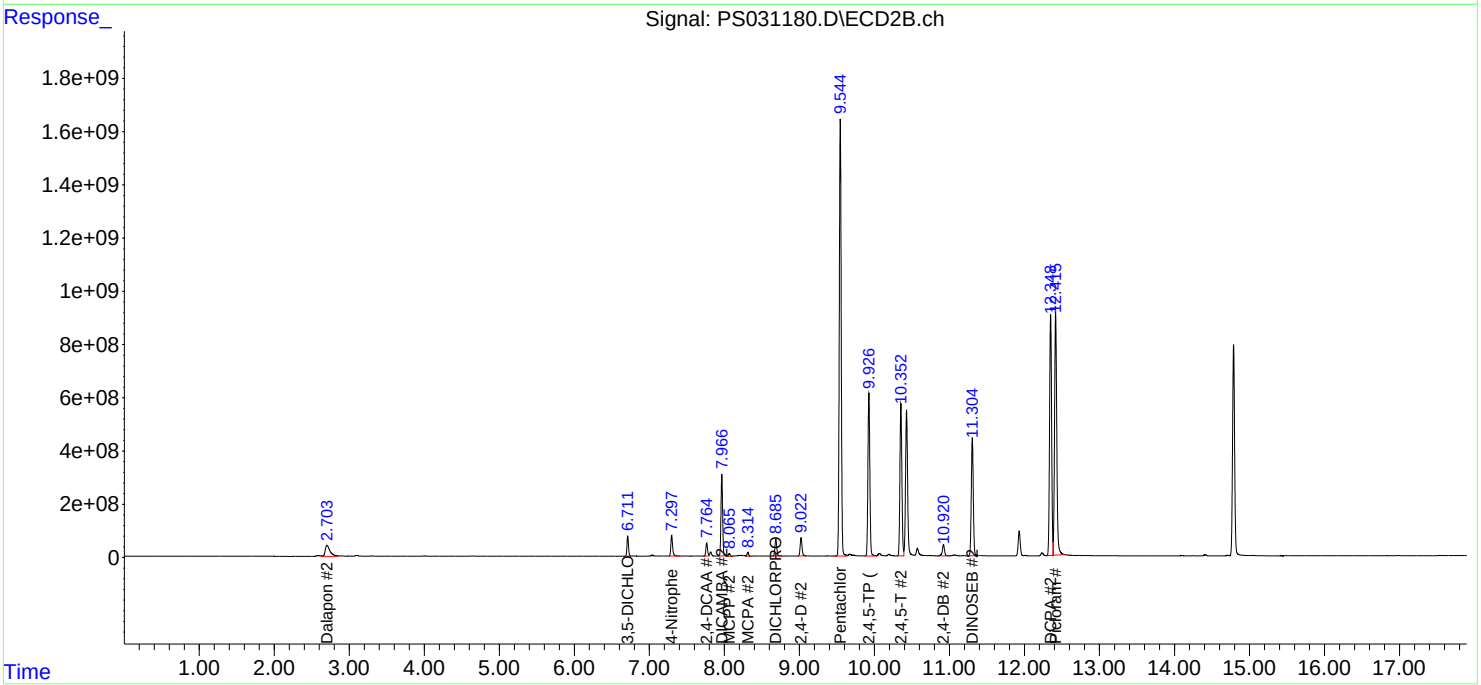
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 09:50
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

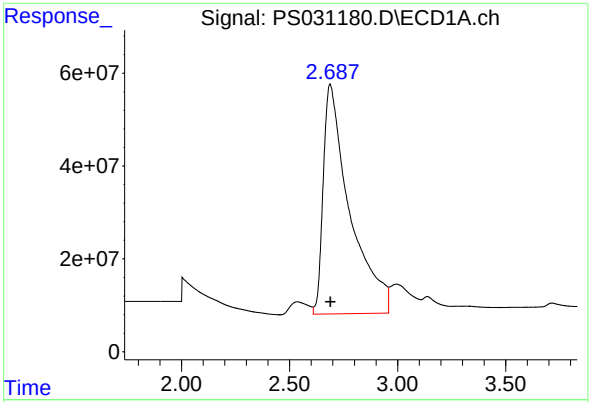
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



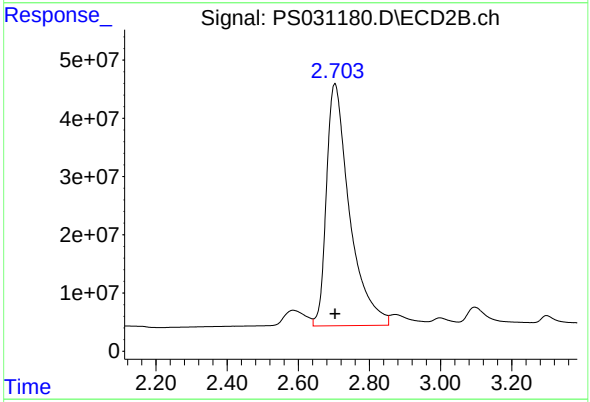




#1 Dalapon

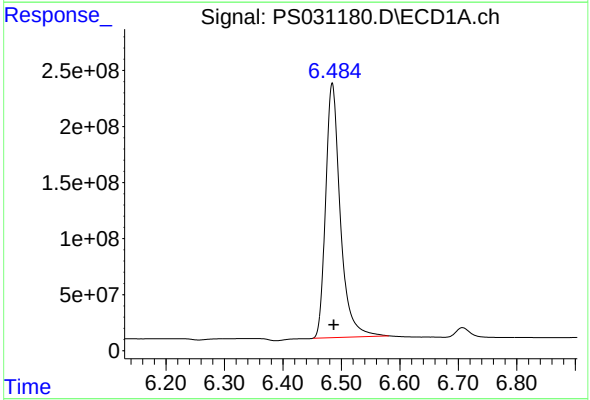
R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 4207326457
Conc: 670.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



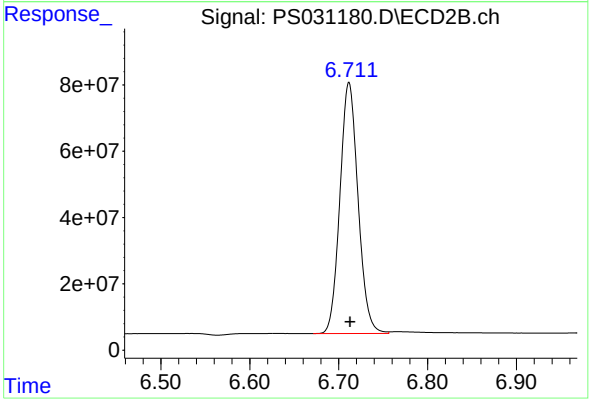
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1874376701
Conc: 660.75 ng/ml



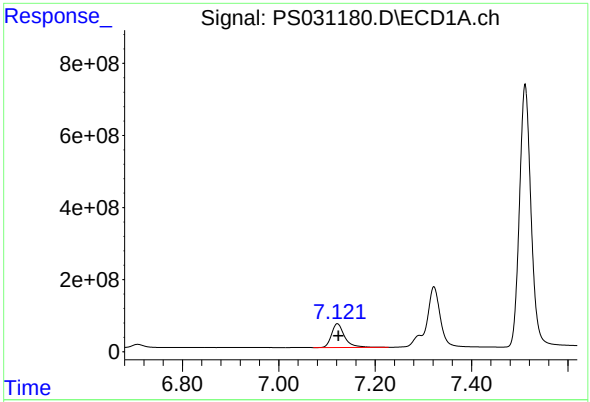
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 3952450159
Conc: 715.67 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

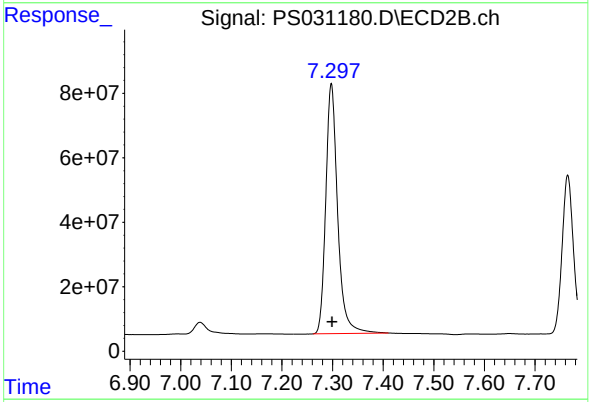
R.T.: 6.712 min
Delta R.T.: -0.001 min
Response: 1073654055
Conc: 697.23 ng/ml



#3 4-Nitrophenol

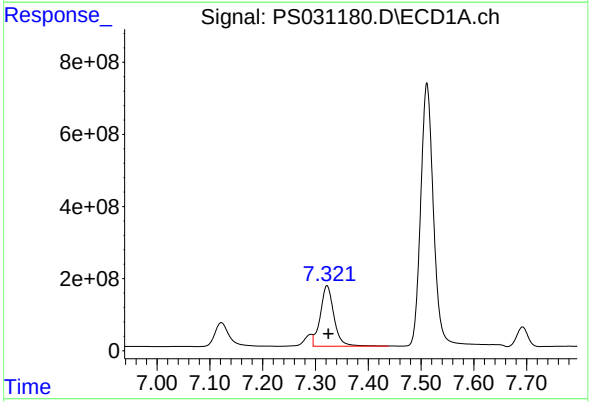
R.T.: 7.122 min
Delta R.T.: -0.002 min
Response: 1247668660
Conc: 756.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



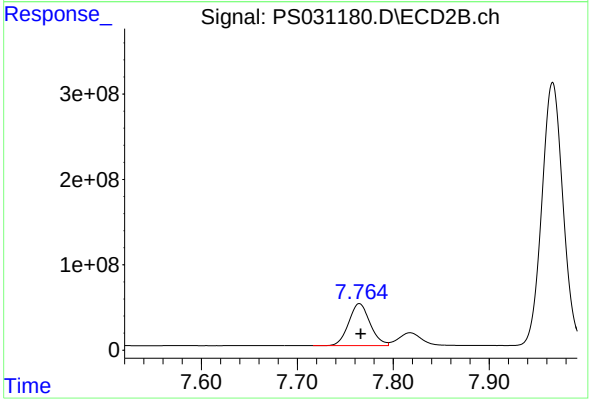
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 1263758471
Conc: 698.47 ng/ml



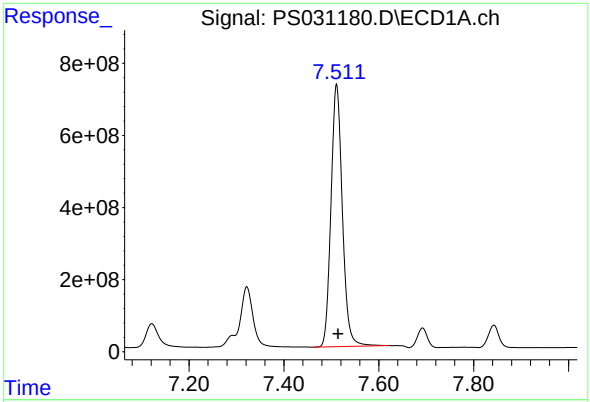
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 3007181033
Conc: 691.58 ng/ml



#4 2,4-DCAA

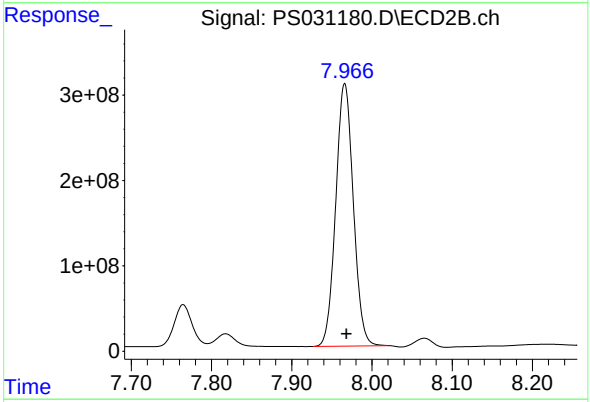
R.T.: 7.765 min
Delta R.T.: -0.001 min
Response: 765819028
Conc: 754.53 ng/ml



#5 DICAMBA

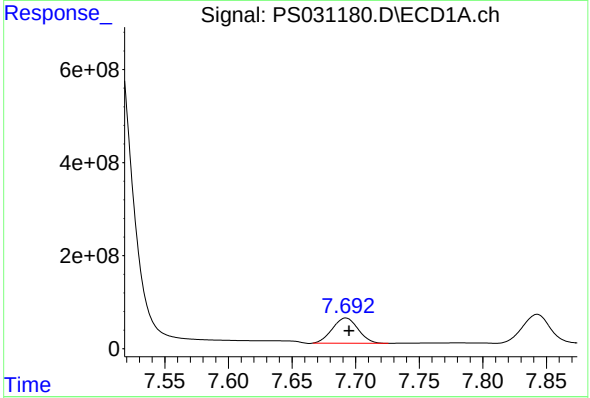
R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 12105226730
Conc: 733.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



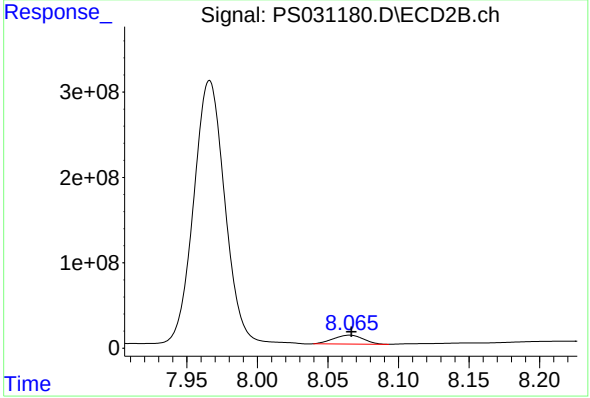
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4687789874
Conc: 726.41 ng/ml



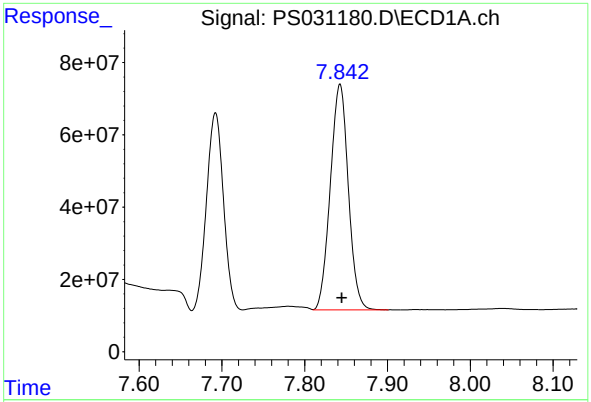
#6 MCPP

R.T.: 7.692 min
Delta R.T.: -0.003 min
Response: 767417710
Conc: 76.66 ug/ml



#6 MCPP

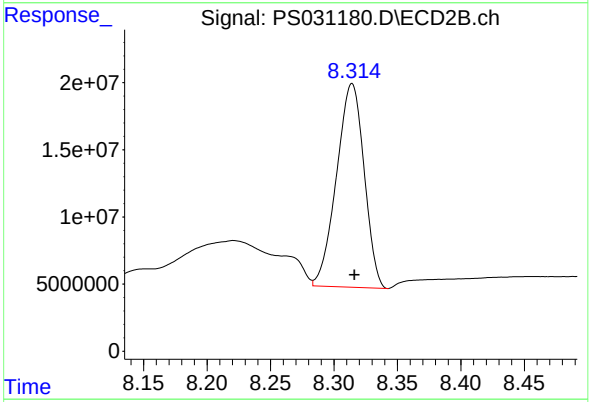
R.T.: 8.065 min
Delta R.T.: -0.001 min
Response: 153262654
Conc: 73.76 ug/ml



#7 MCPA

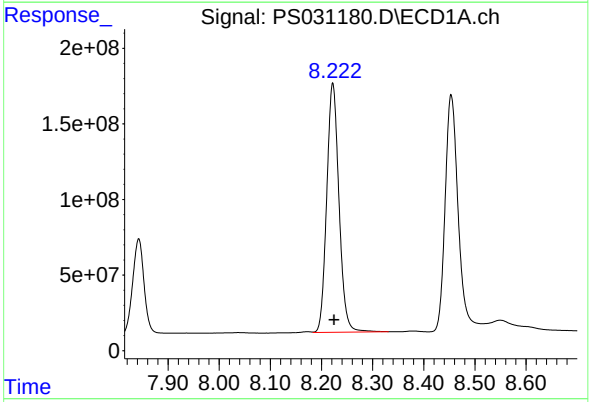
R.T.: 7.843 min
Delta R.T.: -0.002 min
Response: 944660895
Conc: 75.49 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



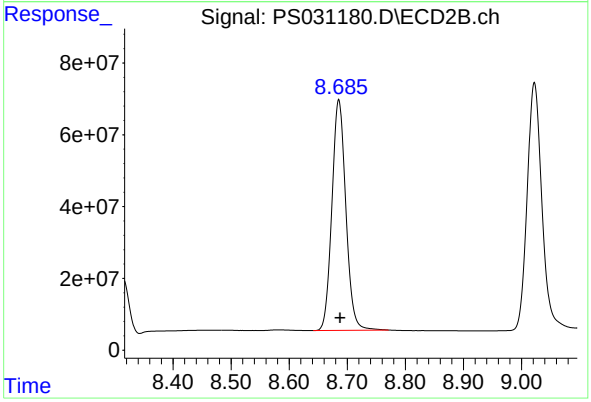
#7 MCPA

R.T.: 8.314 min
Delta R.T.: -0.002 min
Response: 229567106
Conc: 72.76 ug/ml



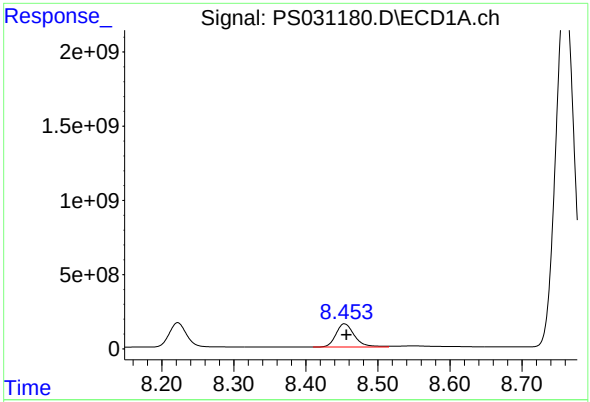
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.002 min
Response: 2741720548
Conc: 717.36 ng/ml



#8 DICHLORPROP

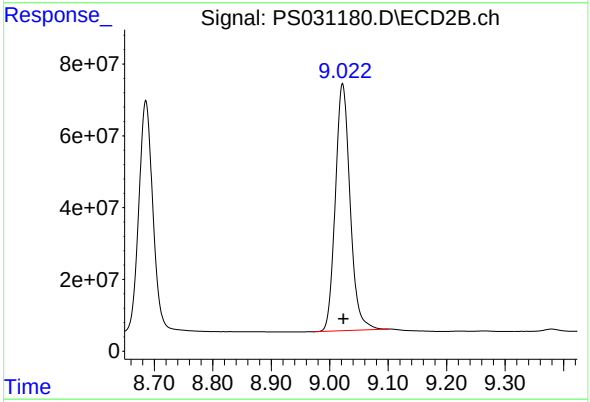
R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1070041462
Conc: 706.36 ng/ml



#9 2,4-D

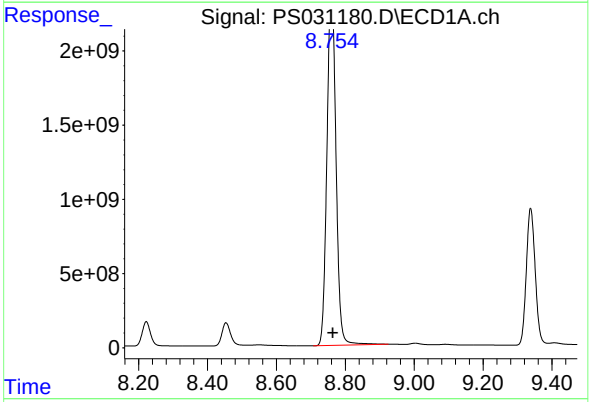
R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 2797245203
Conc: 748.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



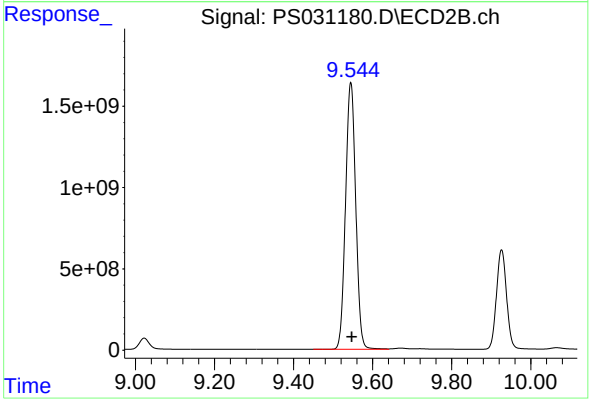
#9 2,4-D

R.T.: 9.022 min
Delta R.T.: -0.002 min
Response: 1204939145
Conc: 709.49 ng/ml



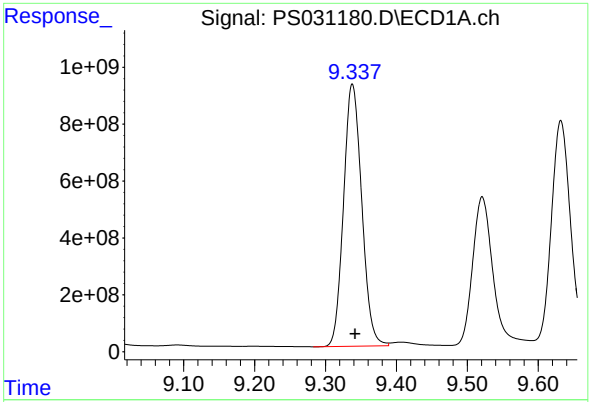
#10 Pentachlorophenol

R.T.: 8.762 min
Delta R.T.: -0.002 min
Response: 42413884133
Conc: 776.50 ng/ml



#10 Pentachlorophenol

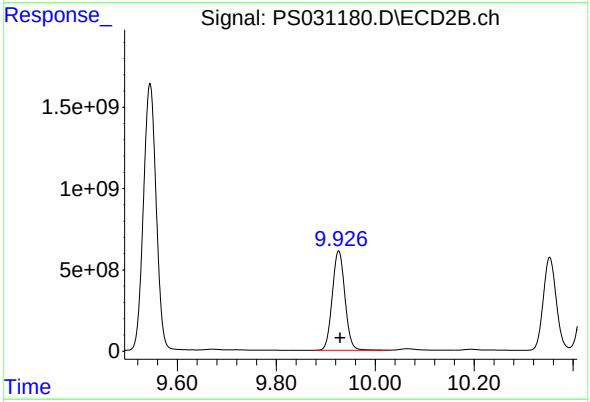
R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 29362681559
Conc: 751.32 ng/ml



#11 2,4,5-TP (SILVEX)

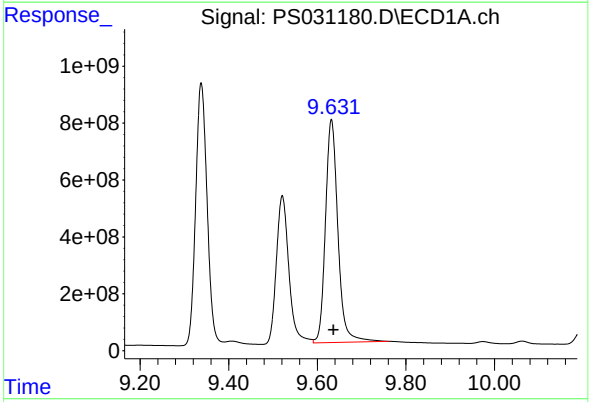
R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 16434315198
Conc: 748.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



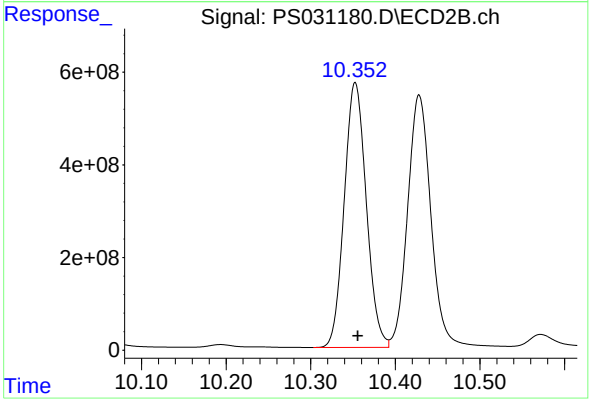
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 10865863483
Conc: 729.54 ng/ml



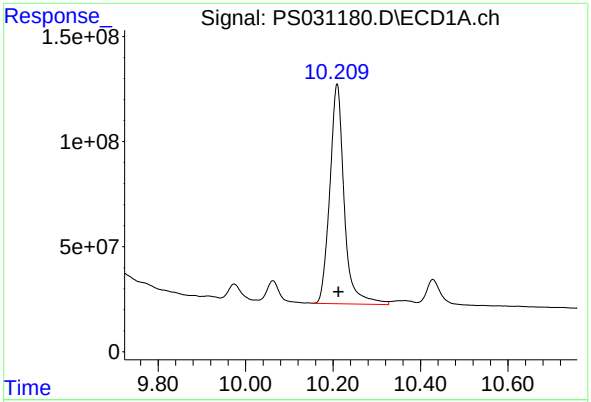
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 15267827951
Conc: 781.85 ng/ml



#12 2,4,5-T

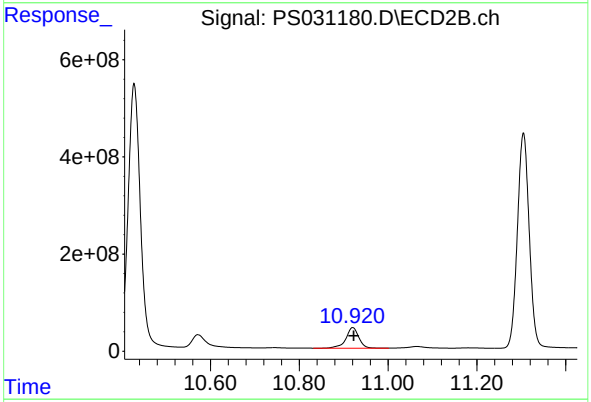
R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 10365333497
Conc: 728.95 ng/ml



#13 2,4-DB

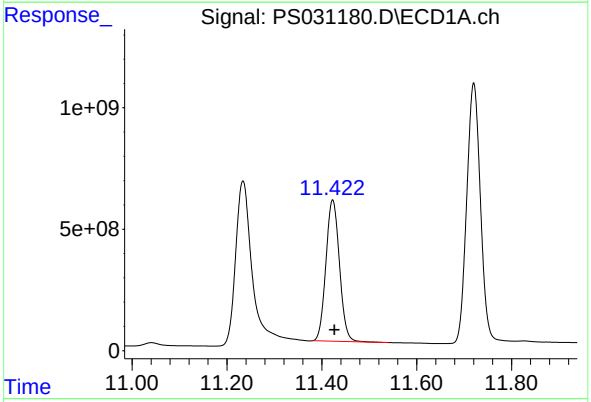
R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 2386831588
Conc: 798.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



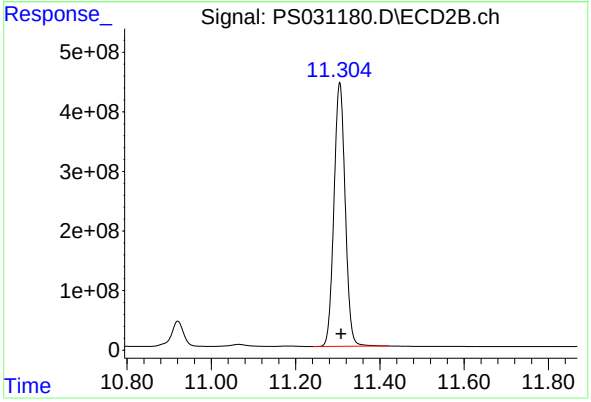
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 852241682
Conc: 728.09 ng/ml



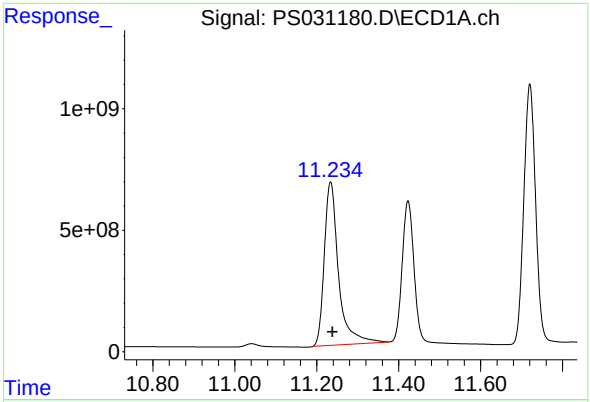
#14 DINOSEB

R.T.: 11.423 min
Delta R.T.: -0.004 min
Response: 11518607721
Conc: 739.82 ng/ml



#14 DINOSEB

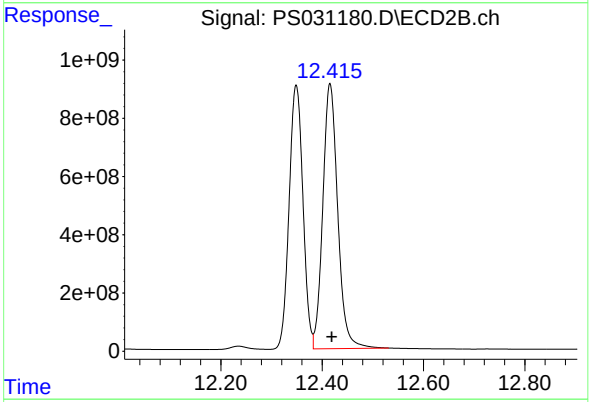
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 8178971594
Conc: 723.67 ng/ml



#15 Picloram

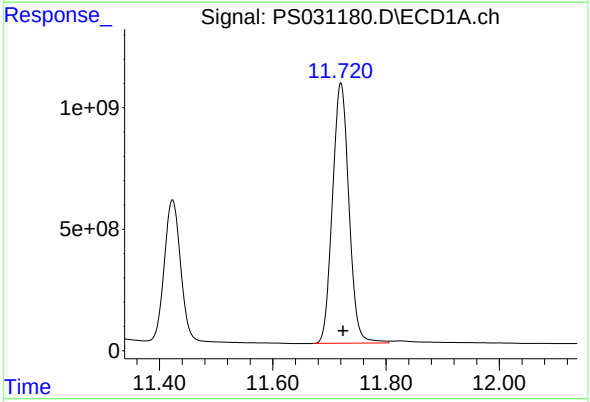
R.T.: 11.234 min
Delta R.T.: -0.005 min
Response: 16216315998
Conc: 810.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



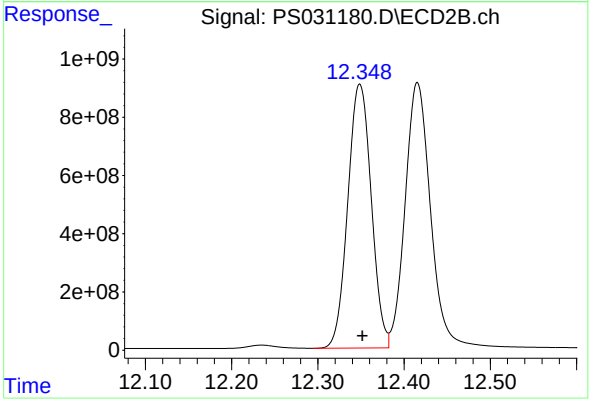
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.003 min
Response: 18579800923
Conc: 746.33 ng/ml



#16 DCPA

R.T.: 11.720 min
Delta R.T.: -0.004 min
Response: 21609603179
Conc: 753.12 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 17155656798
Conc: 744.73 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:57
Operator : AR\AJ
Sample : PB168945BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168945BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.322	7.765	2063.3E6	514.3E6	474.513	506.690
		Target Compounds						
1)	T	Dalapon	2.686	2.703	2836.9E6	1265.4E6	452.253	446.071
2)	T	3,5-DICHL...	6.484	6.712	2954.5E6	716.1E6	534.977	465.035
3)	T	4-Nitroph...	7.121	7.299	842.3E6	825.5E6	510.878	456.273
5)	T	DICAMBA	7.511	7.967	8153.2E6	3084.7E6	494.221	477.998
6)	T	MCPP	7.690	8.066	470.5E6	138.0E6	47.003	66.401 #
7)	T	MCPA	7.840	8.312	596.5E6	147.7E6	47.664	46.807
8)	T	DICHLORPROP	8.222	8.686	1876.4E6	728.9E6	490.953	481.148
9)	T	2,4-D	8.454	9.023	2301.4E6	813.0E6	616.181	478.705
10)	T	Pentachlo...	8.759	9.545	29745.8E6	19677.7E6	544.580	503.507
11)	T	2,4,5-TP ...	9.338	9.926	11211.0E6	7260.8E6	510.670	487.490
12)	T	2,4,5-T	9.632	10.353	10292.3E6	6906.8E6	527.057	485.731
13)	T	2,4-DB	10.208	10.921	1569.6E6	577.9E6	524.984	493.736
14)	T	DINOSEB	11.422	11.305	7848.8E6	5451.6E6	504.116	482.349
15)	T	Picloram	11.234	12.416	10332.8E6	11638.2E6	516.471	467.492
16)	T	DCPA	11.719	12.350	14880.0E6	10312.1E6	518.585	447.652

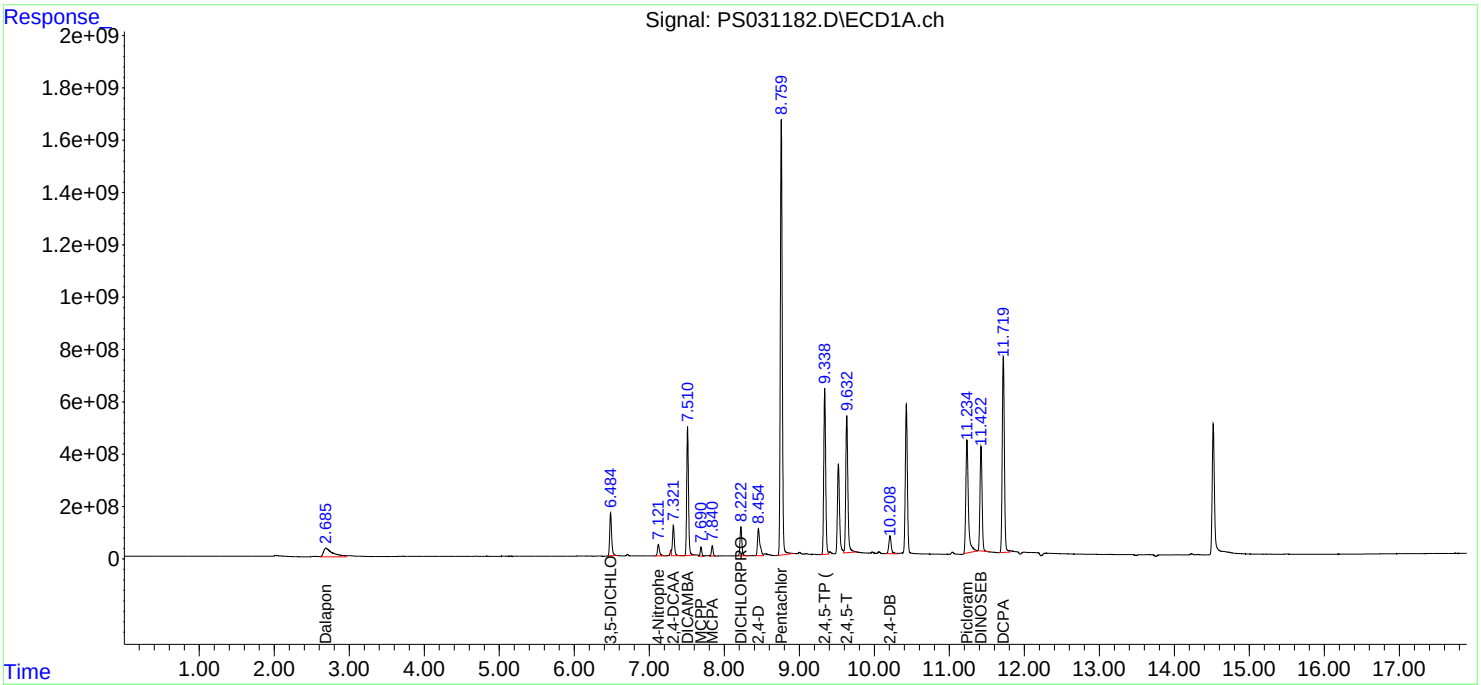
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

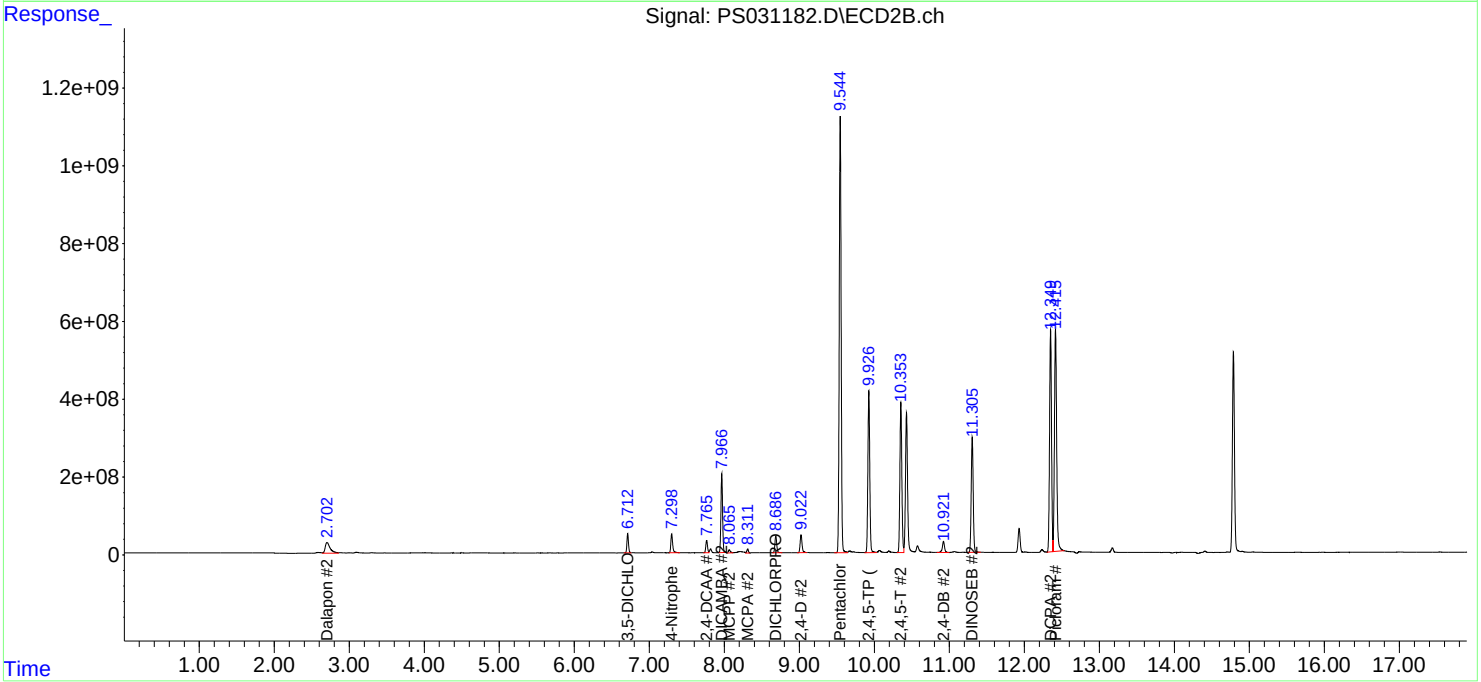
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 10:57
Operator : AR\AJ
Sample : PB168945BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

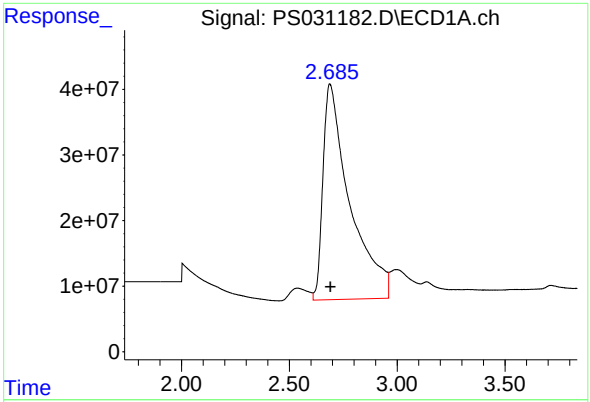
Instrument :
ECD_S
ClientSampleId :
PB168945BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:15:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.25µm



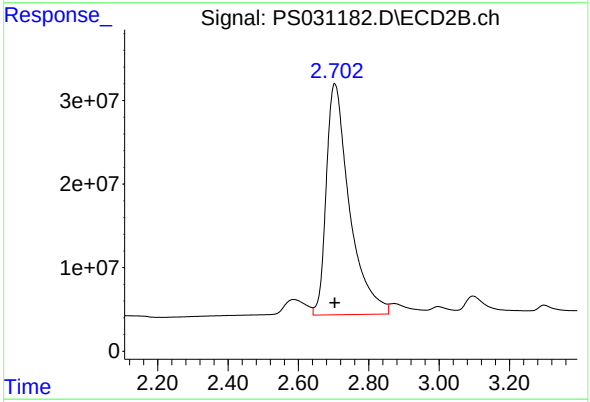




#1 Dalapon

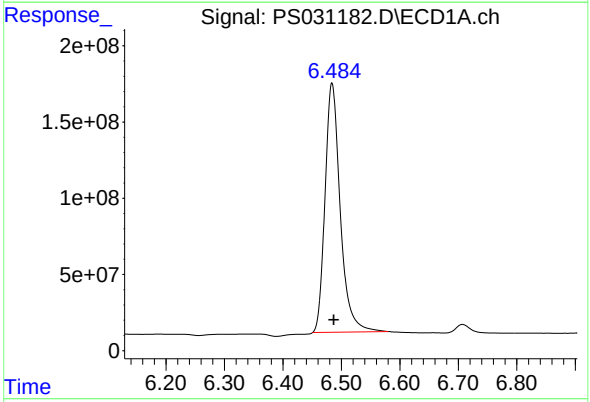
R.T.: 2.686 min
Delta R.T.: -0.004 min
Response: 2836942675
Conc: 452.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



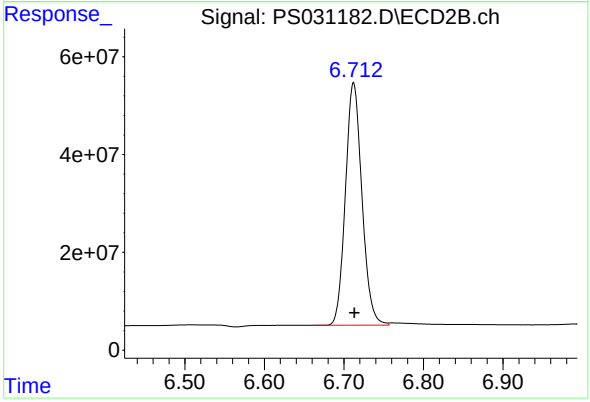
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: 0.000 min
Response: 1265386376
Conc: 446.07 ng/ml



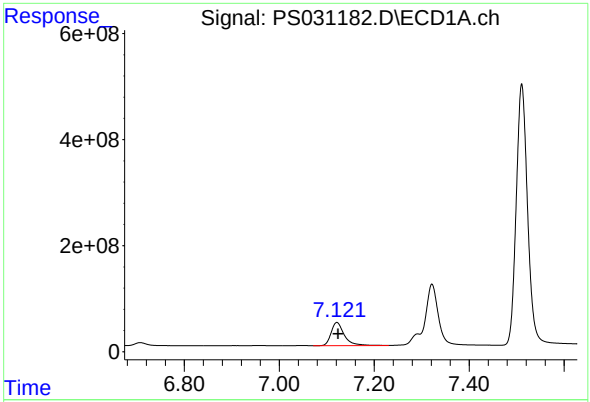
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 2954544378
Conc: 534.98 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

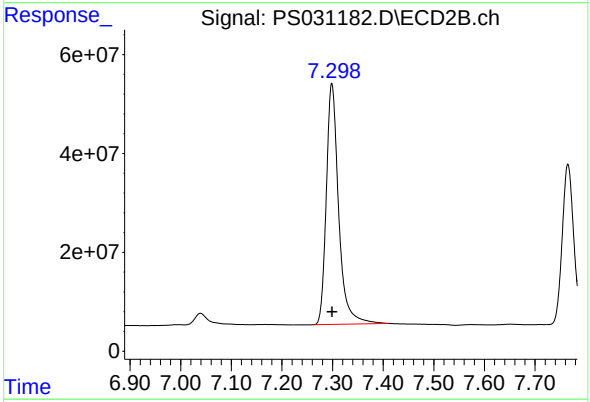
R.T.: 6.712 min
Delta R.T.: 0.000 min
Response: 716105055
Conc: 465.04 ng/ml



#3 4-Nitrophenol

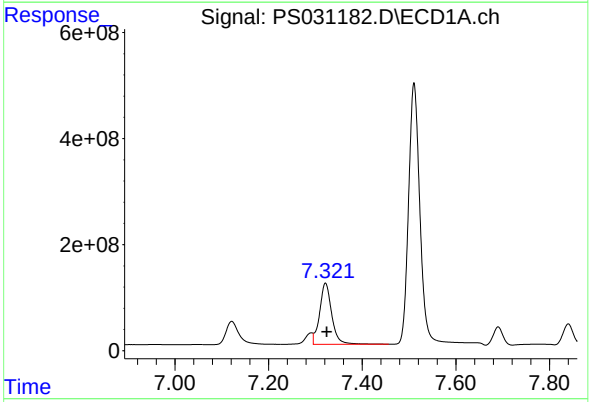
R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 842327512
Conc: 510.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



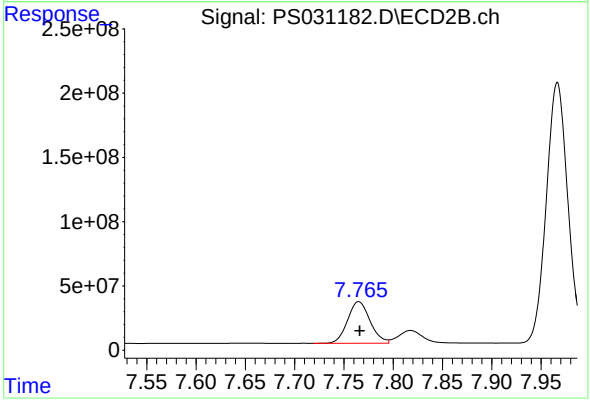
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.000 min
Response: 825542788
Conc: 456.27 ng/ml



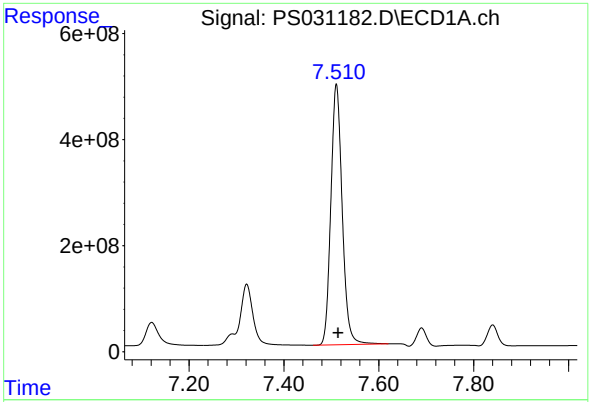
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 2063302263
Conc: 474.51 ng/ml



#4 2,4-DCAA

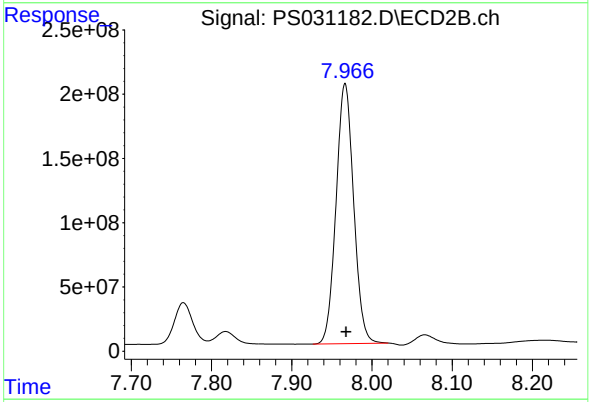
R.T.: 7.765 min
Delta R.T.: -0.001 min
Response: 514273960
Conc: 506.69 ng/ml



#5 DICAMBA

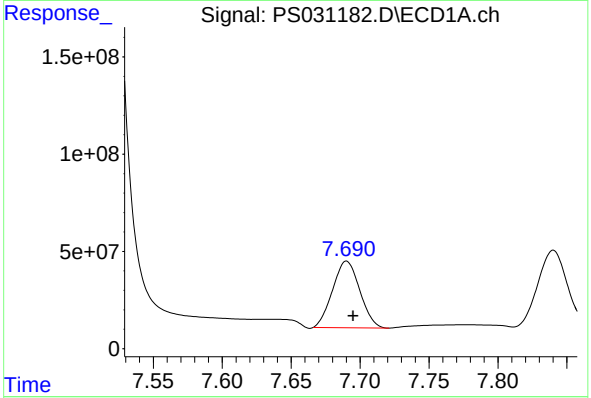
R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 8153150517
Conc: 494.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



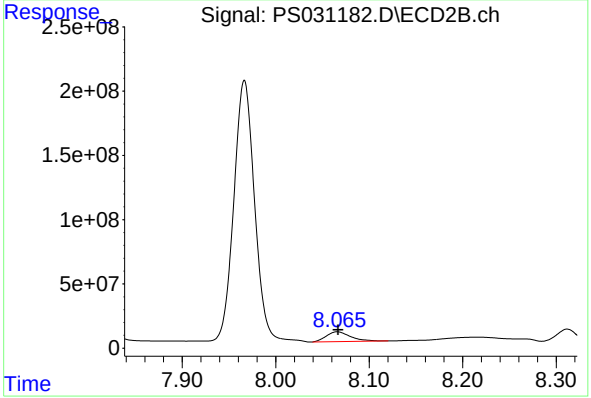
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: -0.001 min
Response: 3084698759
Conc: 478.00 ng/ml



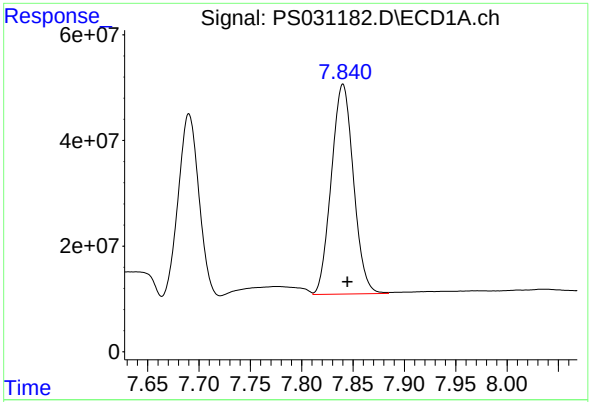
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.005 min
Response: 470504704
Conc: 47.00 ug/ml



#6 MCPP

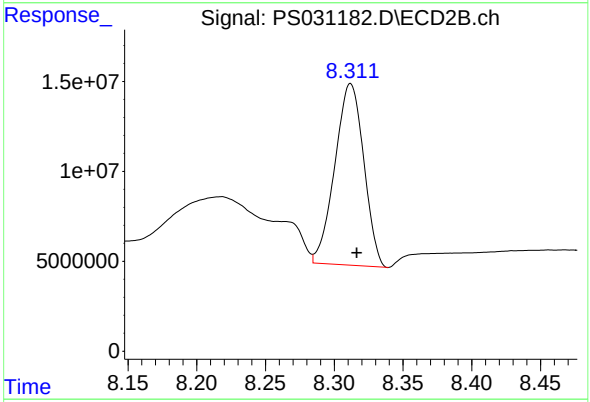
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 137967938
Conc: 66.40 ug/ml



#7 MCPA

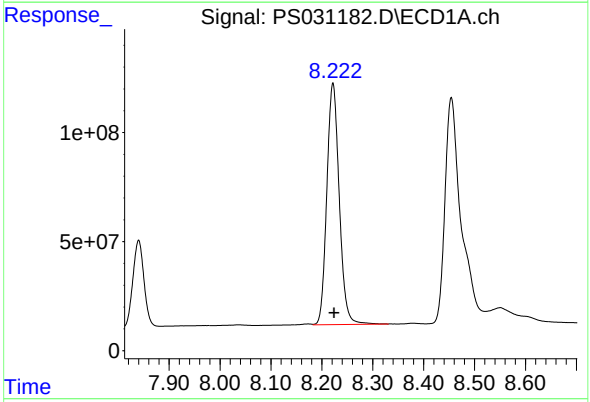
R.T.: 7.840 min
Delta R.T.: -0.004 min
Response: 596472365
Conc: 47.66 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



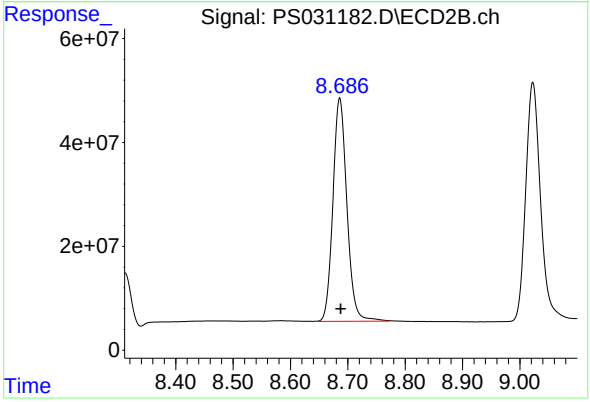
#7 MCPA

R.T.: 8.312 min
Delta R.T.: -0.004 min
Response: 147684649
Conc: 46.81 ug/ml



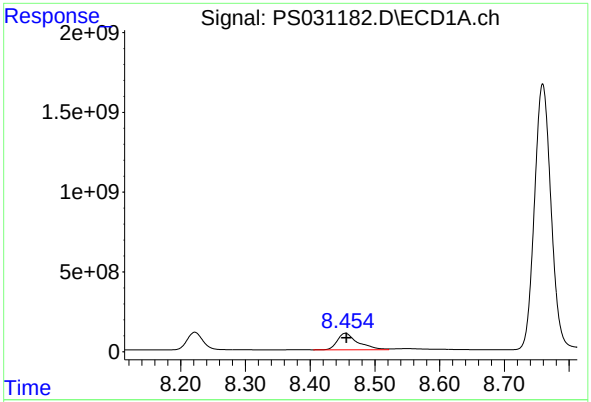
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.003 min
Response: 1876398601
Conc: 490.95 ng/ml



#8 DICHLORPROP

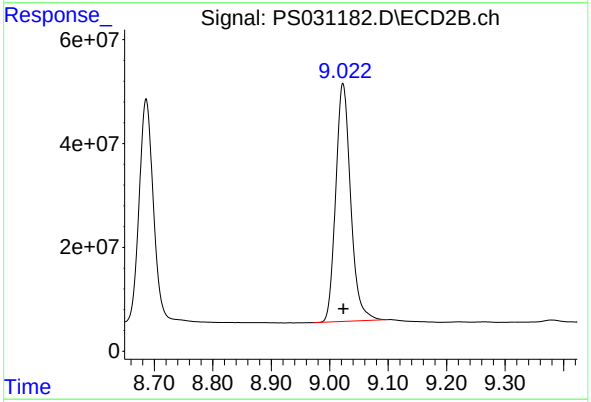
R.T.: 8.686 min
Delta R.T.: -0.002 min
Response: 728871327
Conc: 481.15 ng/ml



#9 2,4-D

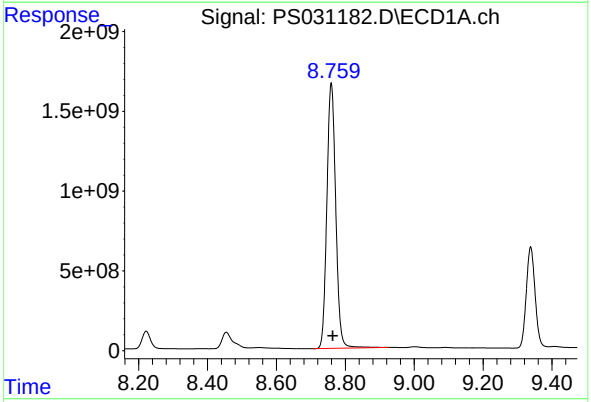
R.T.: 8.454 min
Delta R.T.: -0.002 min
Response: 2301386343
Conc: 616.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



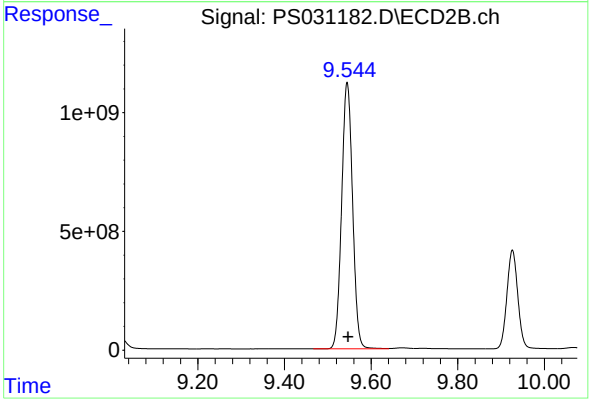
#9 2,4-D

R.T.: 9.023 min
Delta R.T.: -0.001 min
Response: 812993476
Conc: 478.70 ng/ml



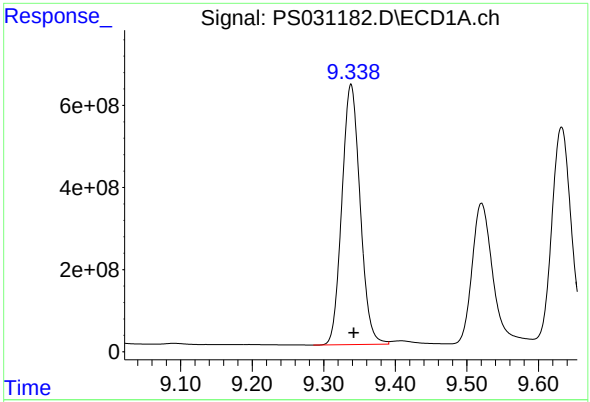
#10 Pentachlorophenol

R.T.: 8.759 min
Delta R.T.: -0.005 min
Response: 29745788032
Conc: 544.58 ng/ml



#10 Pentachlorophenol

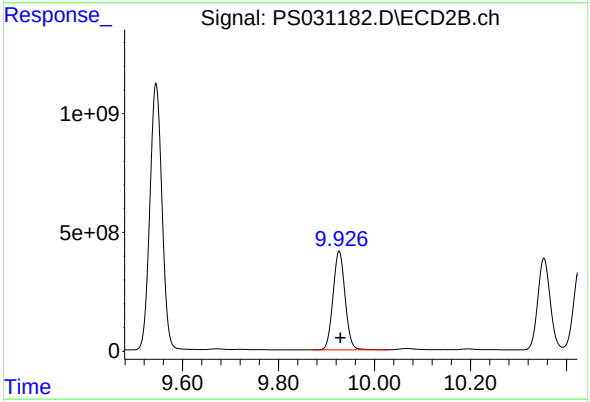
R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 19677661106
Conc: 503.51 ng/ml



#11 2,4,5-TP (SILVEX)

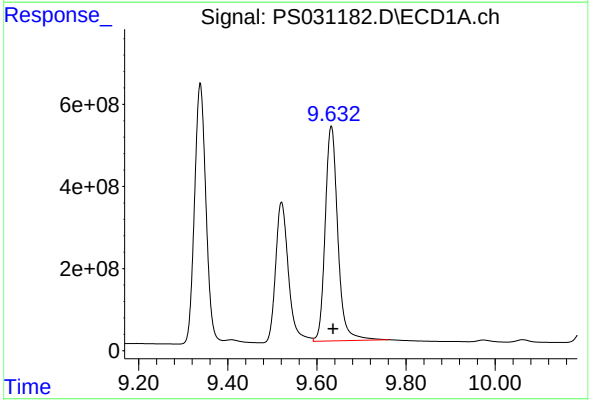
R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 11211030710
Conc: 510.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



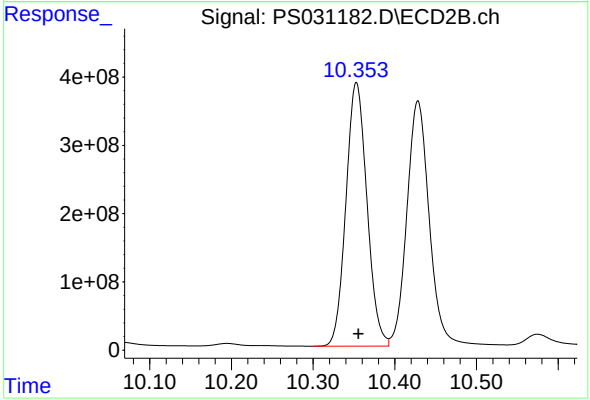
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 7260766965
Conc: 487.49 ng/ml



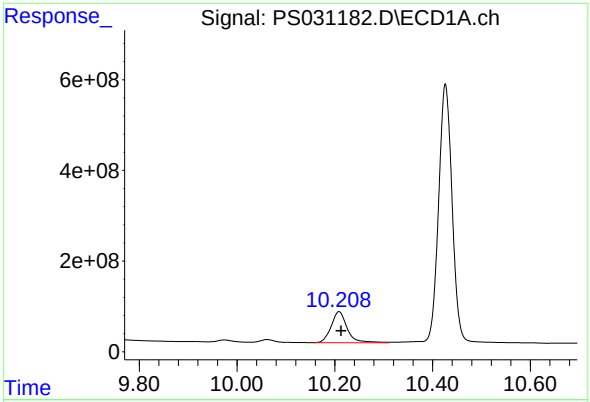
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 10292257681
Conc: 527.06 ng/ml



#12 2,4,5-T

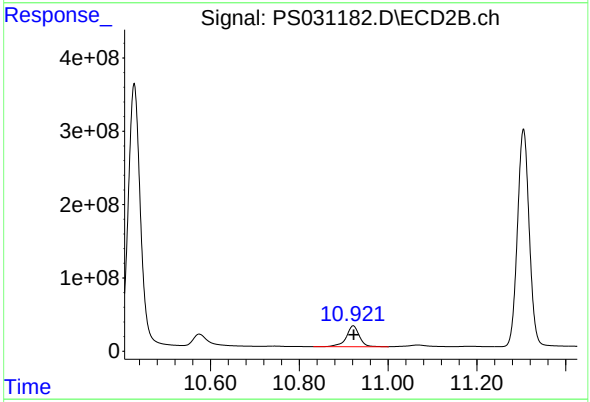
R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 6906832805
Conc: 485.73 ng/ml



#13 2,4-DB

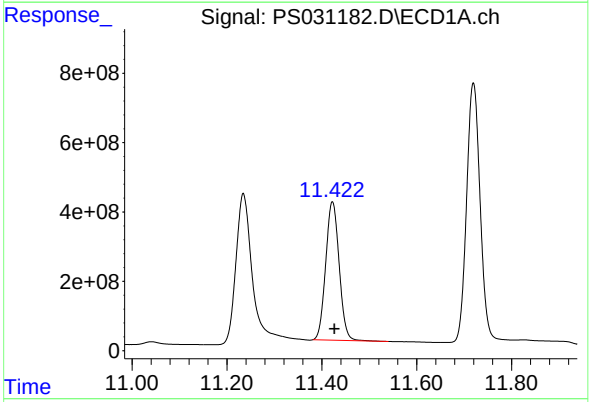
R.T.: 10.208 min
Delta R.T.: -0.004 min
Response: 1569642134
Conc: 524.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



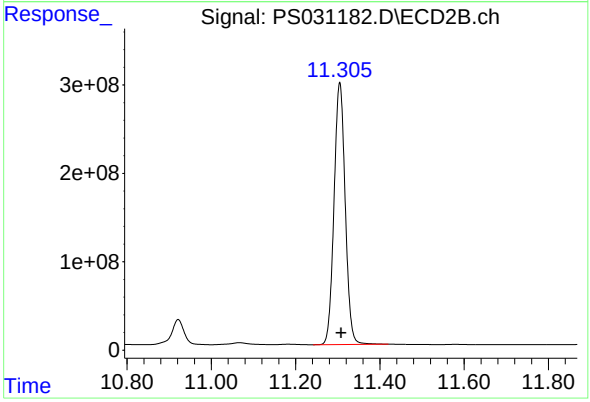
#13 2,4-DB

R.T.: 10.921 min
Delta R.T.: -0.001 min
Response: 577923716
Conc: 493.74 ng/ml



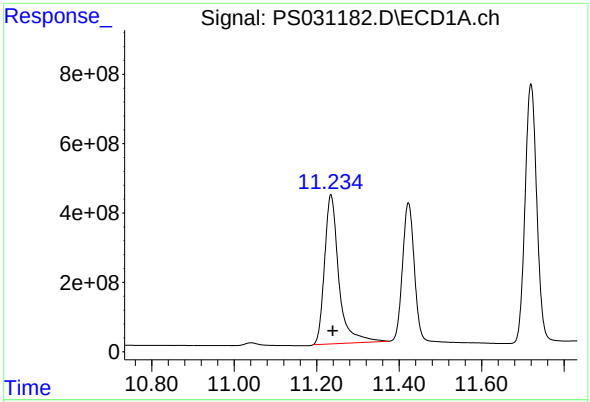
#14 DINOSEB

R.T.: 11.422 min
Delta R.T.: -0.004 min
Response: 7848827519
Conc: 504.12 ng/ml



#14 DINOSEB

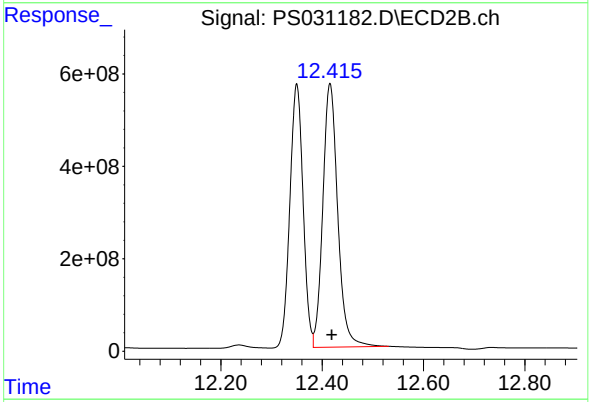
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 5451552613
Conc: 482.35 ng/ml



#15 Picloram

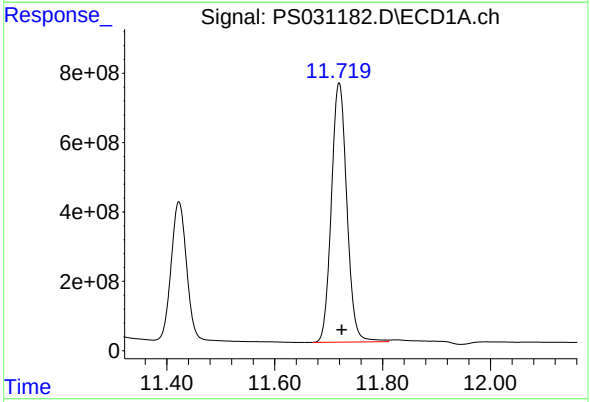
R.T.: 11.234 min
Delta R.T.: -0.004 min
Response: 10332826266
Conc: 516.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168945BS



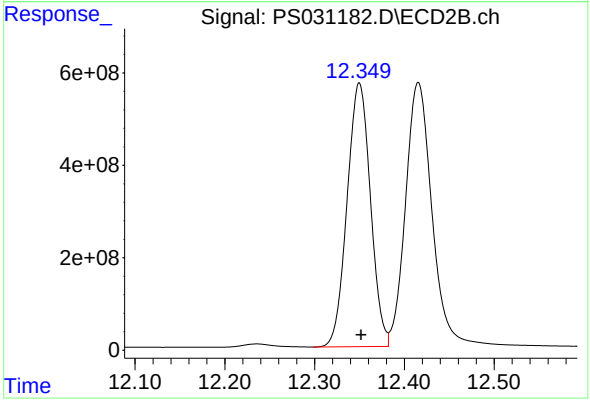
#15 Picloram

R.T.: 12.416 min
Delta R.T.: -0.003 min
Response: 11638226865
Conc: 467.49 ng/ml



#16 DCPA

R.T.: 11.719 min
Delta R.T.: -0.005 min
Response: 14880001208
Conc: 518.58 ng/ml



#16 DCPA

R.T.: 12.350 min
Delta R.T.: -0.002 min
Response: 10312133648
Conc: 447.65 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:19:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.322	7.764	3382.3E6	793.2E6	777.845	781.487
		Target Compounds						
1)	T	Dalapon	2.688	2.704	4141.5E6	1913.9E6	660.218	674.696
2)	T	3,5-DICHL...	6.484	6.711	3986.0E6	1110.3E6	721.734	721.050
3)	T	4-Nitroph...	7.121	7.297	1332.8E6	1299.8E6	808.378	718.409
5)	T	DICAMBA	7.511	7.966	12255.7E6	4842.0E6	742.908	750.309
6)	T	MCPP	7.693	8.066	800.6E6	154.5E6	79.979	74.378
7)	T	MCPA	7.843	8.315	978.7E6	229.2E6	78.209	72.648
8)	T	DICHLORPROP	8.221	8.685	2810.8E6	1092.1E6	735.444	720.944
9)	T	2,4-D	8.453	9.021	2923.3E6	1239.9E6	782.686	730.046
10)	T	Pentachlo...	8.763	9.545	43026.2E6	29838.3E6	787.715	763.496
11)	T	2,4,5-TP ...	9.338	9.926	16792.4E6	11058.6E6	764.907	742.479
12)	T	2,4,5-T	9.631	10.353	15948.0E6	10612.2E6	816.682	746.314
13)	T	2,4-DB	10.208	10.920	2653.5E6	867.4E6	887.496	741.069
14)	T	DINOSEB	11.422	11.305	11277.2E6	8077.5E6	724.316	714.687
15)	T	Picloram	11.232	12.414	17960.6E6	18888.7E6	897.734	758.733
16)	T	DCPA	11.719	12.349	21597.4E6	17309.0E6	752.695	751.388

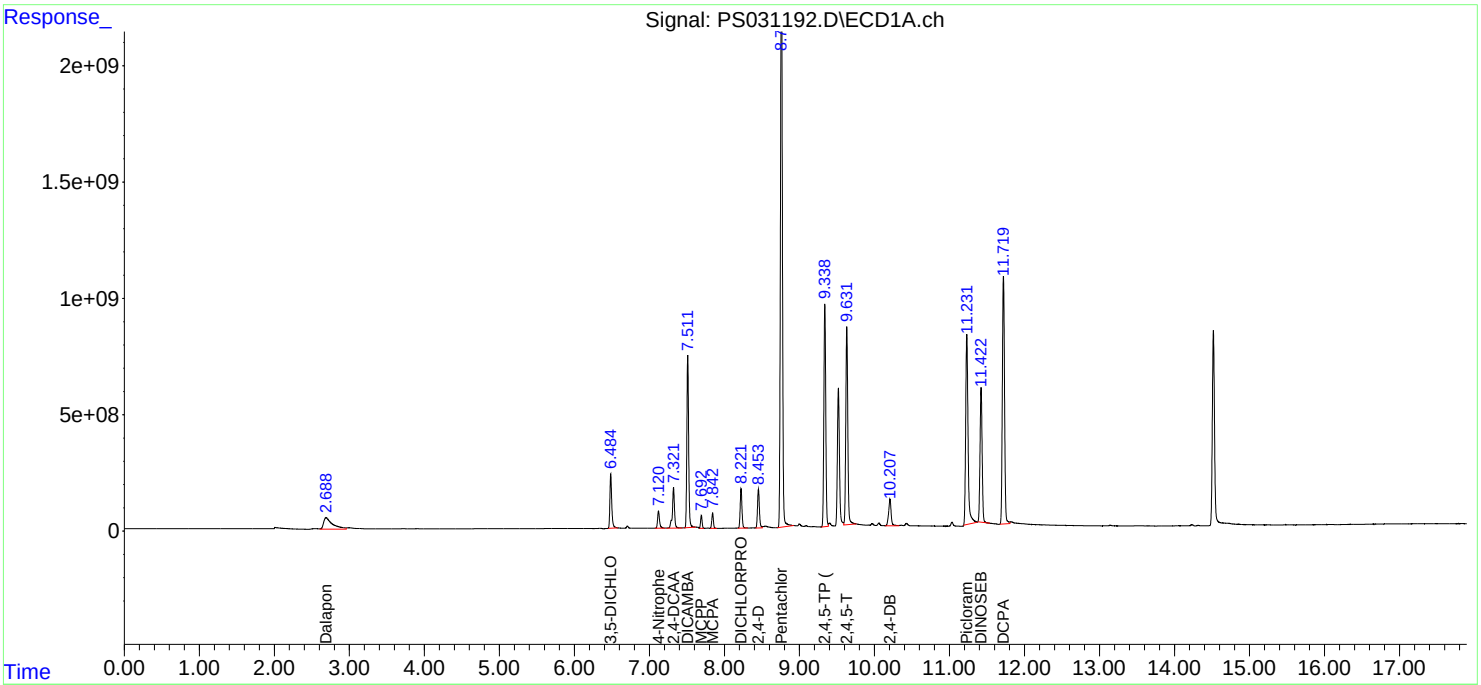
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

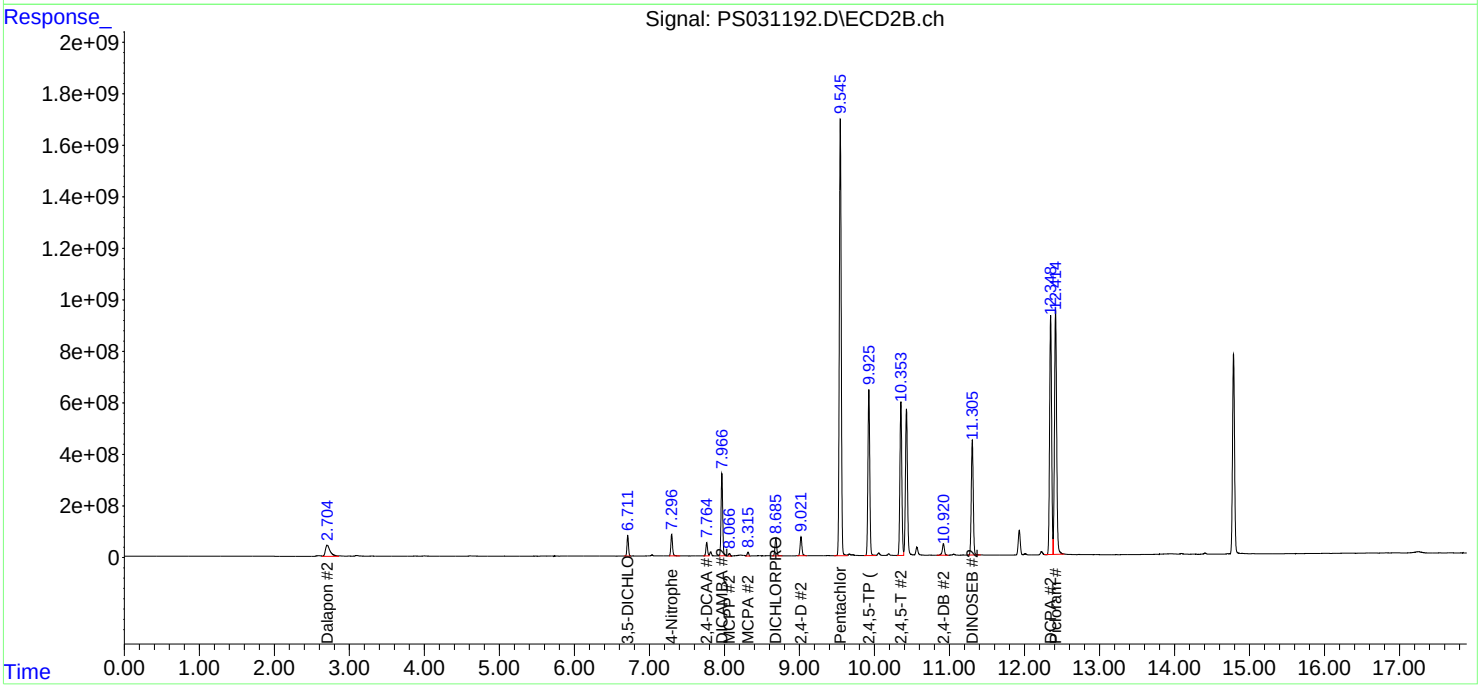
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 15:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

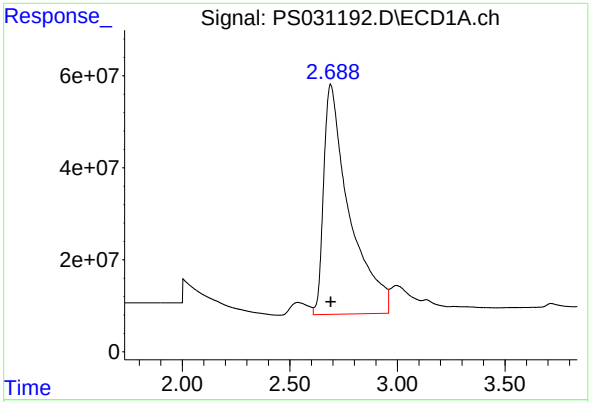
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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



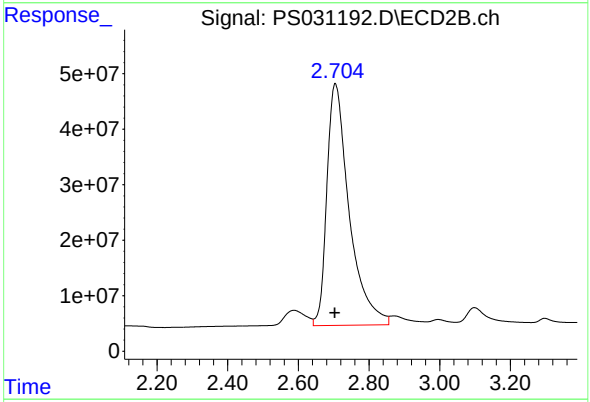




#1 Dalapon

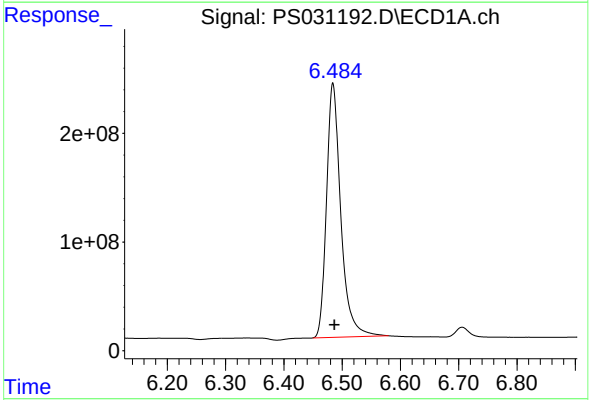
R.T.: 2.688 min
Delta R.T.: -0.002 min
Response: 4141483354
Conc: 660.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



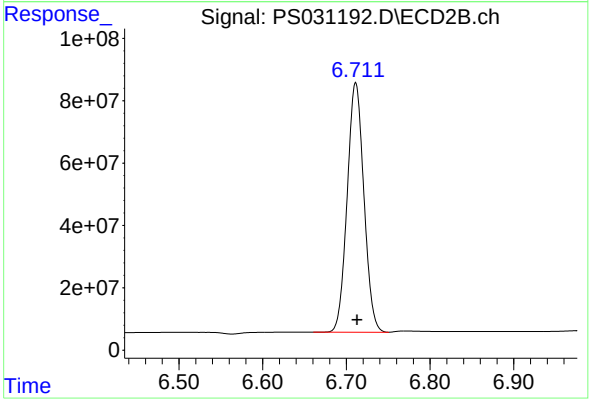
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1913937807
Conc: 674.70 ng/ml



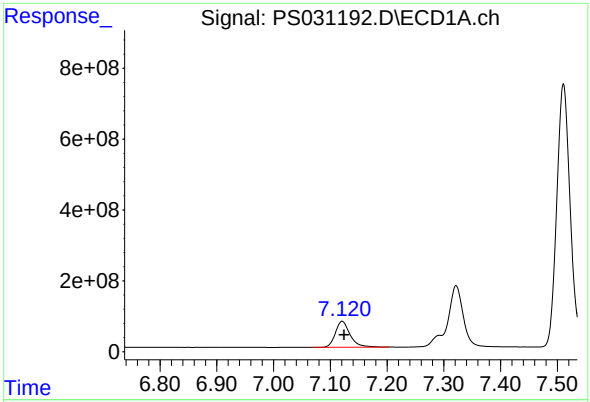
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 3985954838
Conc: 721.73 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

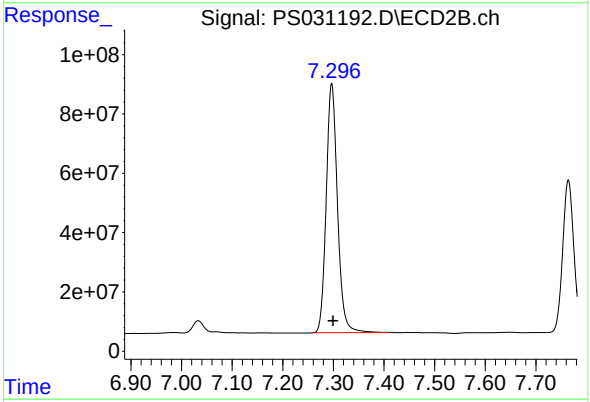
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1110340141
Conc: 721.05 ng/ml



#3 4-Nitrophenol

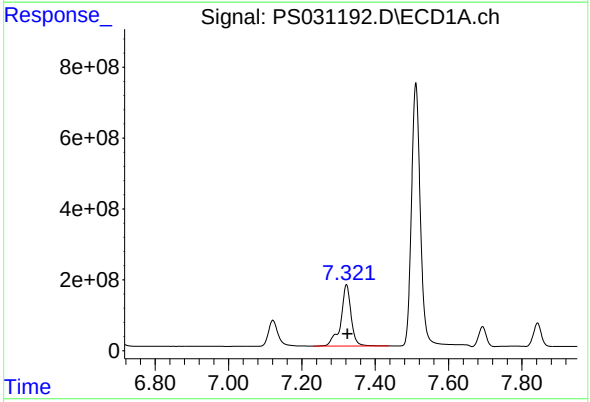
R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 1332841881
Conc: 808.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



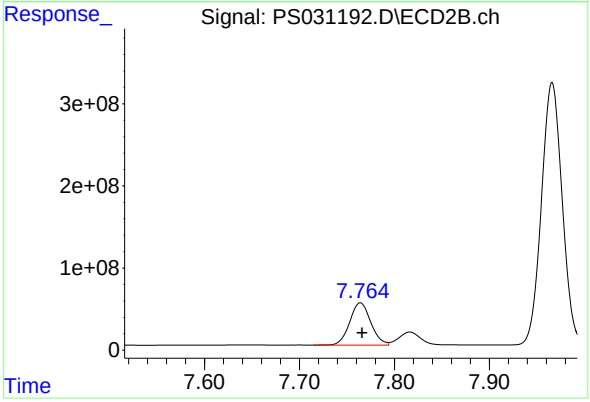
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 1299829815
Conc: 718.41 ng/ml



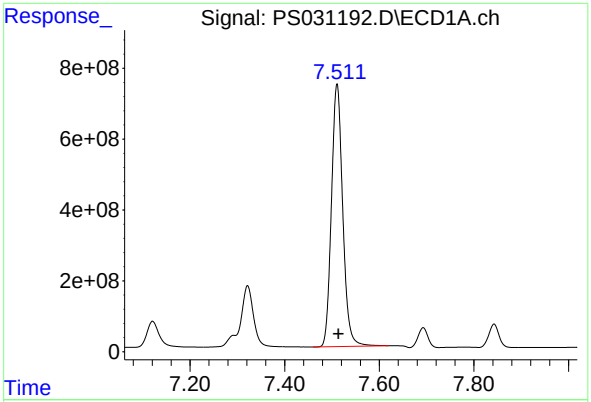
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 3382268835
Conc: 777.85 ng/ml



#4 2,4-DCAA

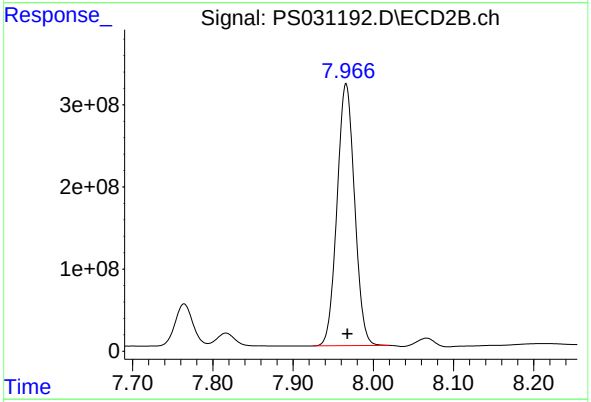
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 793184080
Conc: 781.49 ng/ml



#5 DICAMBA

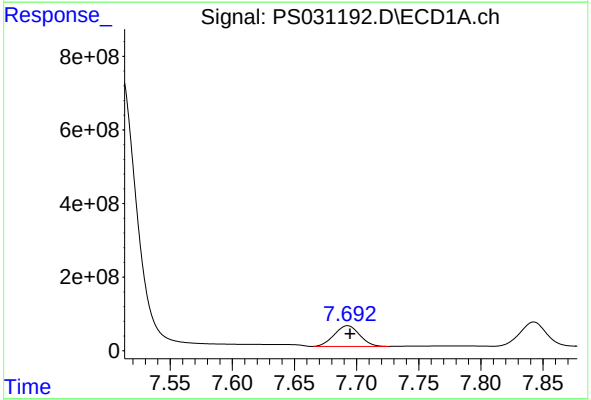
R.T.: 7.511 min
Delta R.T.: -0.003 min
Response: 12255723318
Conc: 742.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



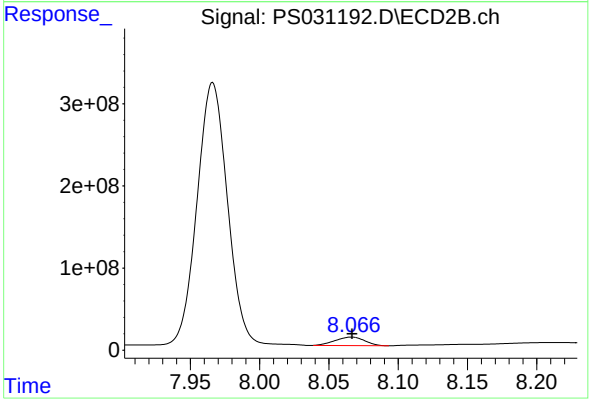
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4842019591
Conc: 750.31 ng/ml



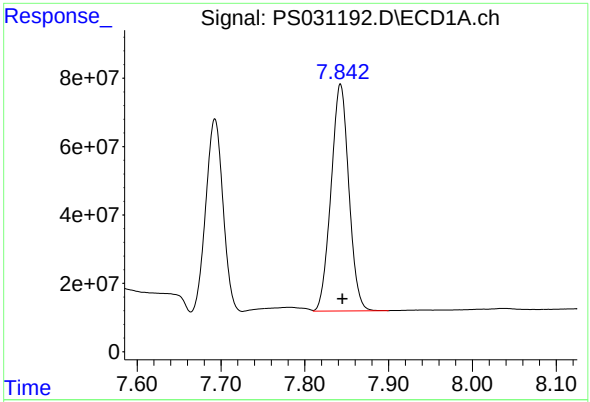
#6 MCPP

R.T.: 7.693 min
Delta R.T.: -0.002 min
Response: 800590773
Conc: 79.98 ug/ml



#6 MCPP

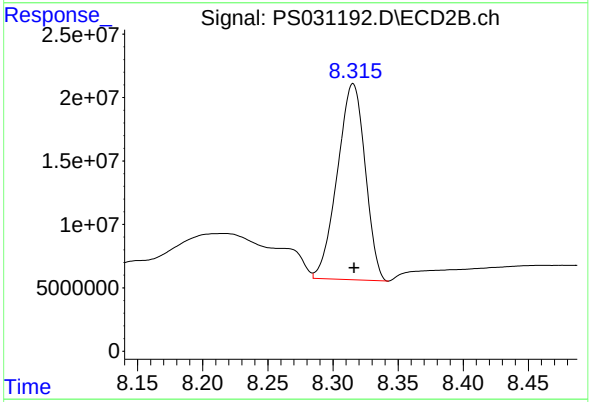
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 154542235
Conc: 74.38 ug/ml



#7 MCPA

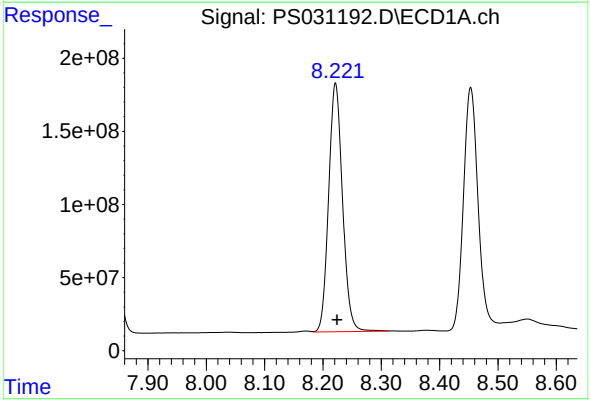
R.T.: 7.843 min
Delta R.T.: -0.002 min
Response: 978726147
Conc: 78.21 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



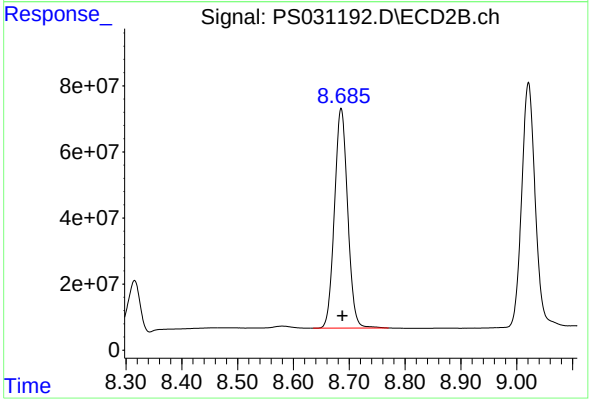
#7 MCPA

R.T.: 8.315 min
Delta R.T.: 0.000 min
Response: 229219957
Conc: 72.65 ug/ml



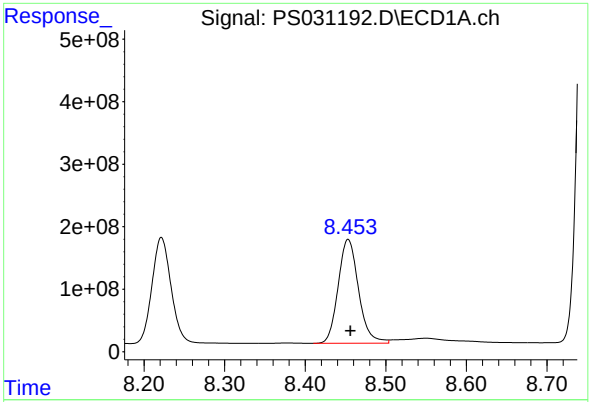
#8 DICHLORPROP

R.T.: 8.221 min
Delta R.T.: -0.003 min
Response: 2810834949
Conc: 735.44 ng/ml



#8 DICHLORPROP

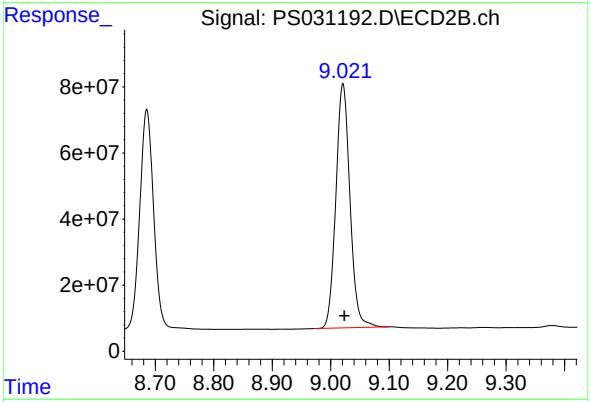
R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1092128846
Conc: 720.94 ng/ml



#9 2,4-D

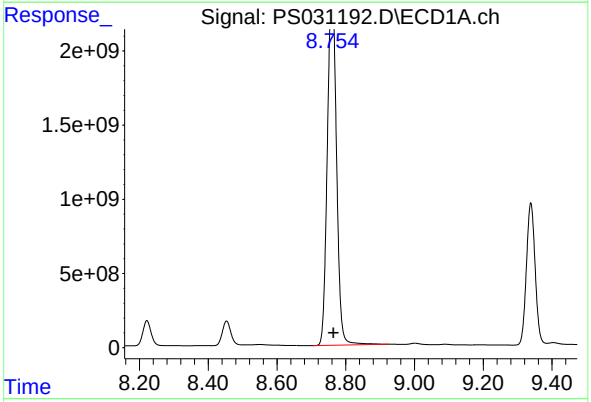
R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 2923266789
Conc: 782.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



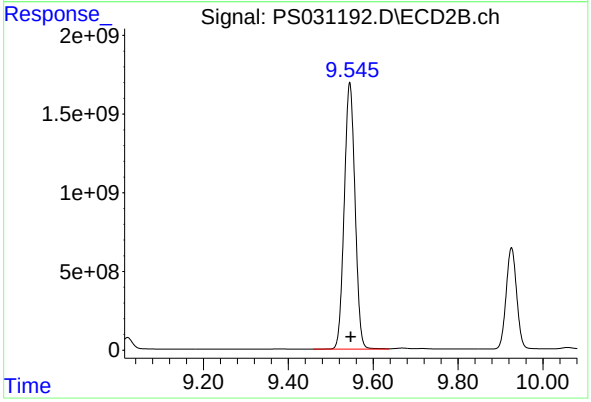
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 1239851370
Conc: 730.05 ng/ml



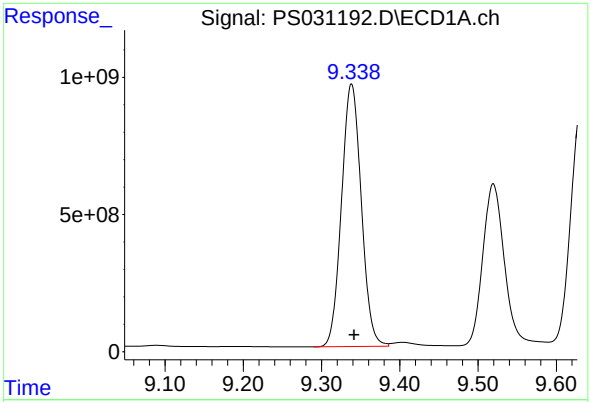
#10 Pentachlorophenol

R.T.: 8.763 min
Delta R.T.: 0.000 min
Response: 43026209769
Conc: 787.71 ng/ml



#10 Pentachlorophenol

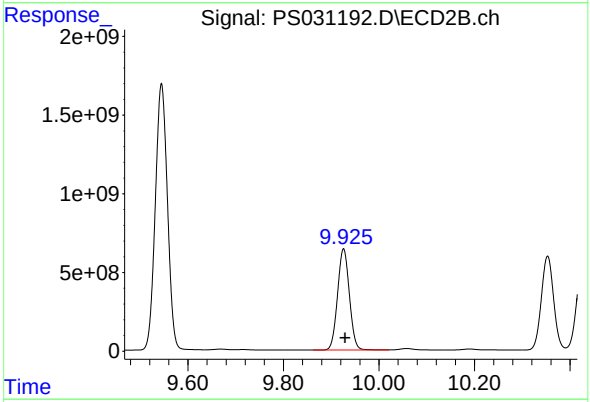
R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 29838345958
Conc: 763.50 ng/ml



#11 2,4,5-TP (SILVEX)

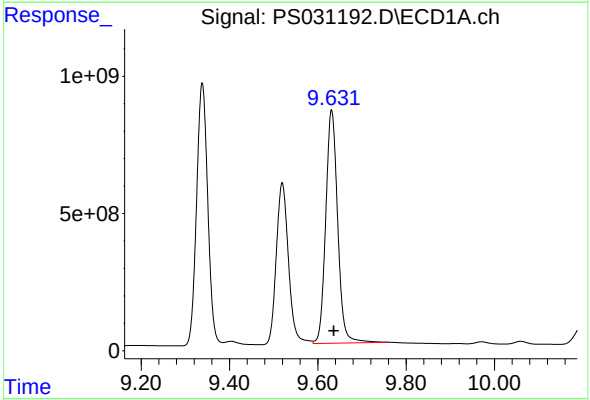
R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 16792444173
Conc: 764.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



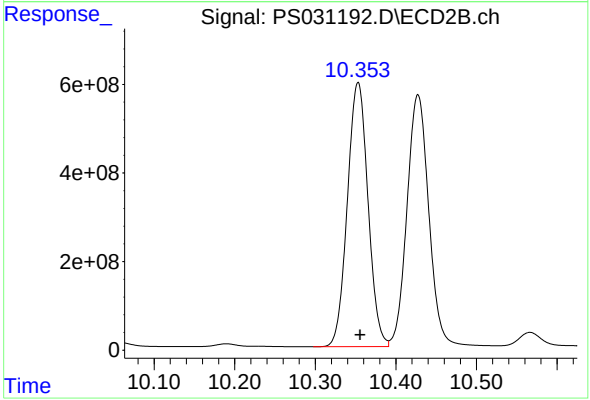
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 11058618876
Conc: 742.48 ng/ml



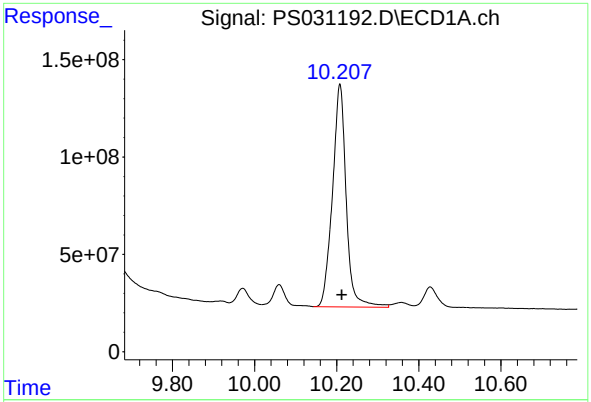
#12 2,4,5-T

R.T.: 9.631 min
Delta R.T.: -0.005 min
Response: 15947995088
Conc: 816.68 ng/ml



#12 2,4,5-T

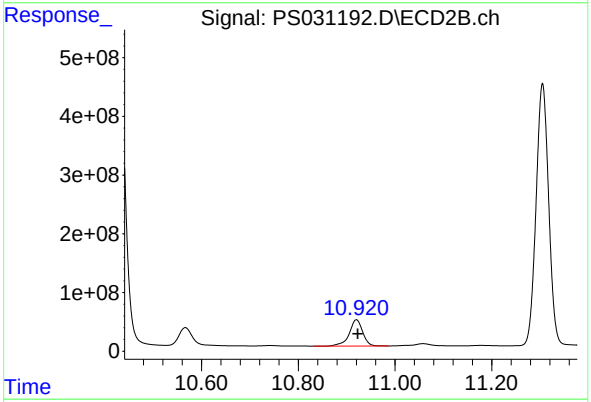
R.T.: 10.353 min
Delta R.T.: -0.002 min
Response: 10612174904
Conc: 746.31 ng/ml



#13 2,4-DB

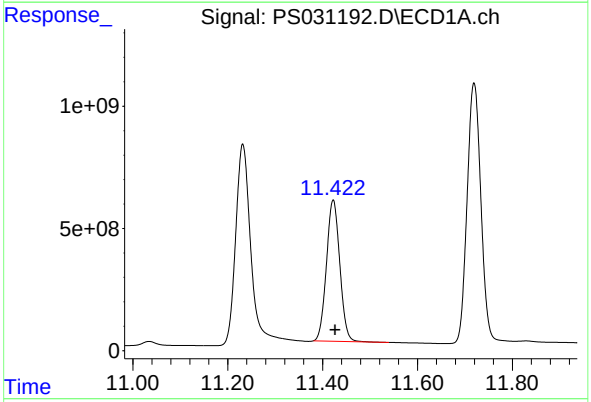
R.T.: 10.208 min
Delta R.T.: -0.005 min
Response: 2653510562
Conc: 887.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



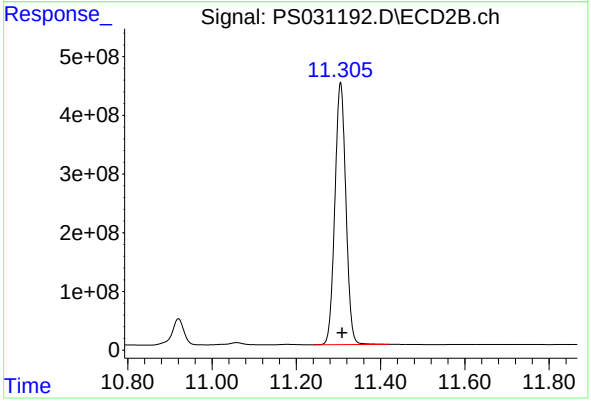
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 867429153
Conc: 741.07 ng/ml



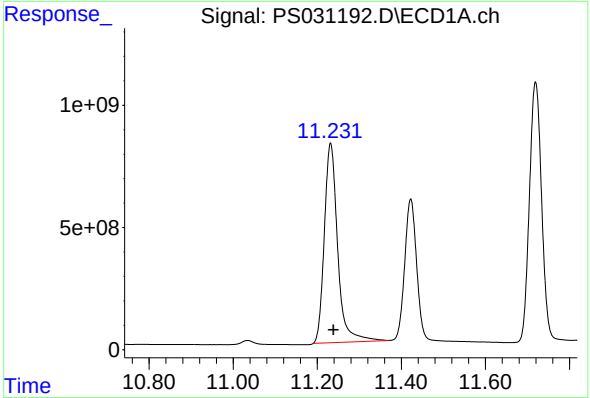
#14 DINOSEB

R.T.: 11.422 min
Delta R.T.: -0.004 min
Response: 11277237370
Conc: 724.32 ng/ml



#14 DINOSEB

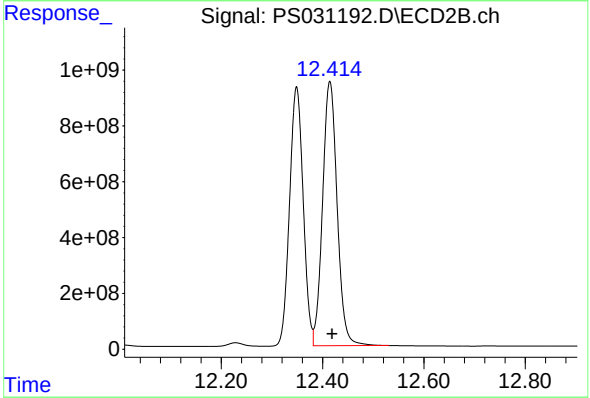
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 8077451534
Conc: 714.69 ng/ml



#15 Picloram

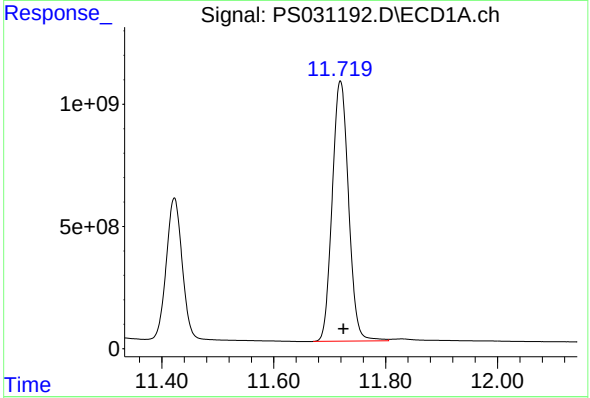
R.T.: 11.232 min
Delta R.T.: -0.007 min
Response: 17960584141
Conc: 897.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



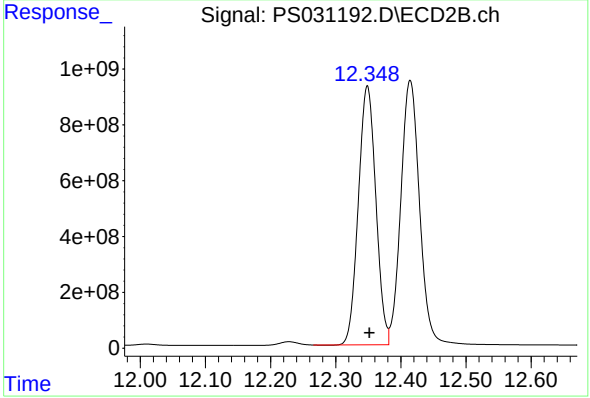
#15 Picloram

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 : PS031210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 22:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.320	7.764	3419.0E6	793.1E6	786.298	781.379
		Target Compounds						
1)	T	Dalapon	2.691	2.706	4102.7E6	1970.9E6	654.039	694.785
2)	T	3,5-DICHL...	6.483	6.711	4016.9E6	1113.4E6	727.344	723.068
3)	T	4-Nitroph...	7.119	7.297	1328.3E6	1305.2E6	805.642	721.368
5)	T	DICAMBA	7.509	7.966	12334.1E6	4884.9E6	747.656	756.957
6)	T	MCPP	7.691	8.066	792.7E6	155.7E6	79.191	74.941
7)	T	MCPA	7.841	8.316	977.3E6	229.4E6	78.091	72.704
8)	T	DICHLORPROP	8.220	8.685	2820.9E6	1106.8E6	738.070	730.629
9)	T	2,4-D	8.452	9.021	2911.8E6	1249.4E6	779.604	735.662
10)	T	Pentachlo...	8.760	9.545	43068.6E6	30353.5E6	788.492	776.677
11)	T	2,4,5-TP ...	9.337	9.926	16905.8E6	11217.1E6	770.071	753.119
12)	T	2,4,5-T	9.630	10.352	15951.9E6	10732.2E6	816.881	754.754
13)	T	2,4-DB	10.206	10.920	2589.1E6	880.8E6	865.946	752.507
14)	T	DINOSEB	11.420	11.305	11247.5E6	8151.5E6	722.406	721.237
15)	T	Picloram	11.230	12.414	17165.3E6	19000.0E6	857.982	763.203
16)	T	DCPA	11.717	12.349	21983.7E6	17575.2E6	766.156	762.943

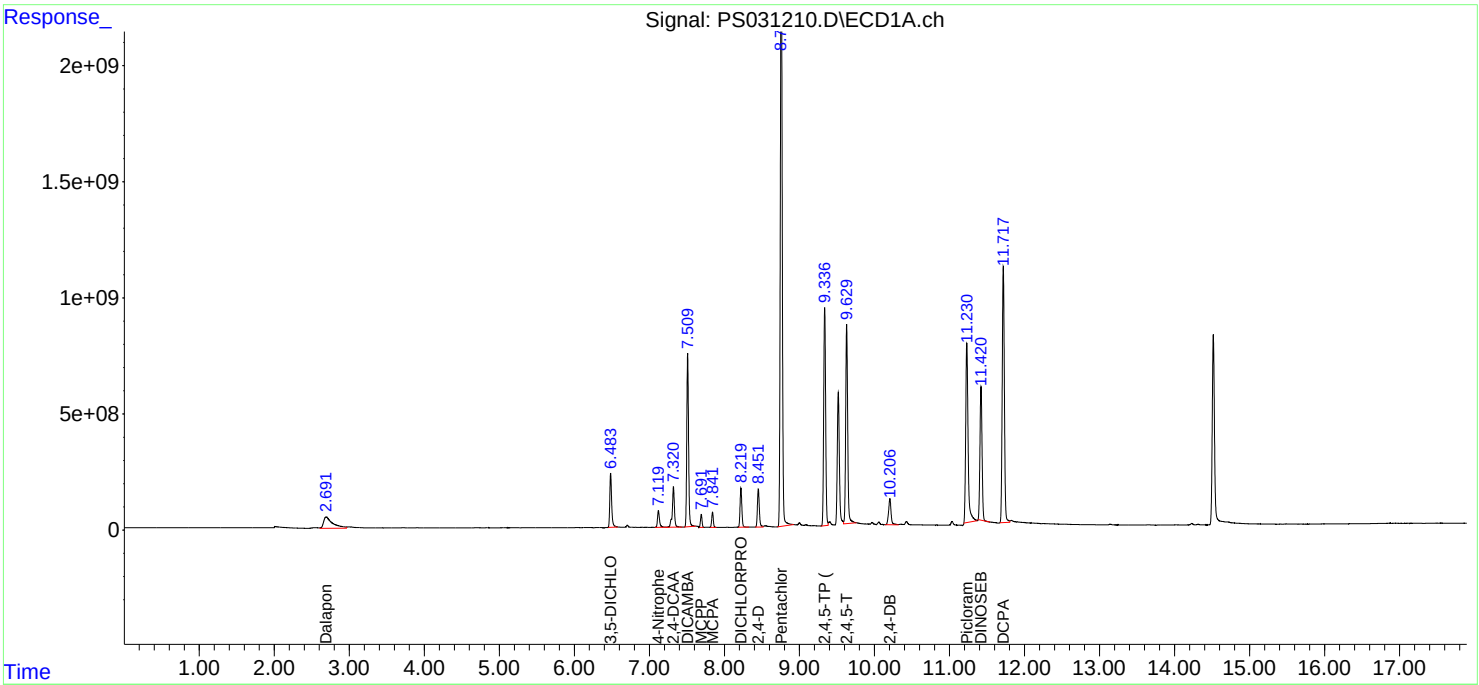
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

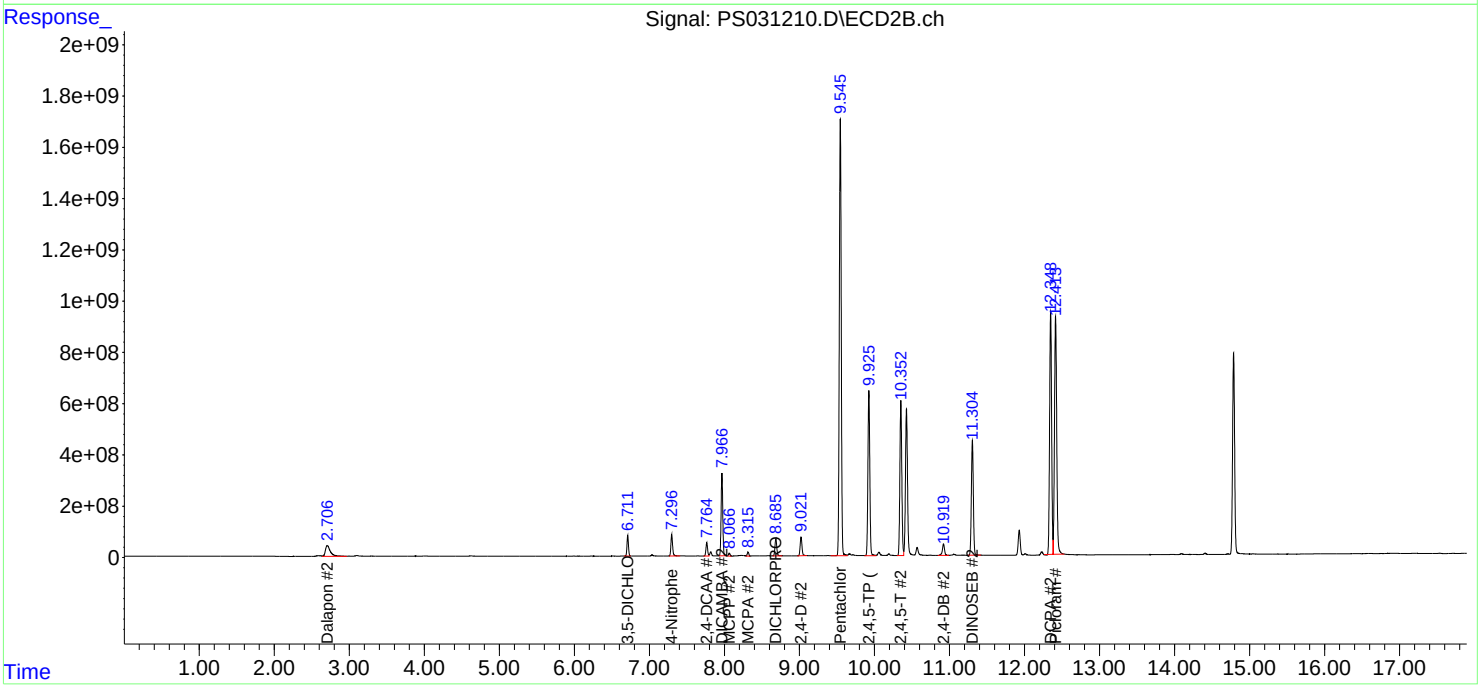
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 22:27
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

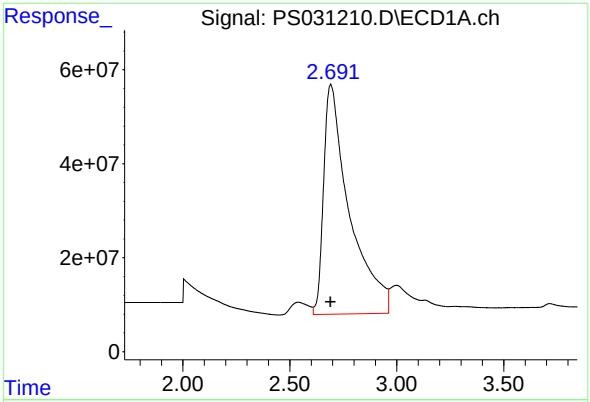
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:27:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



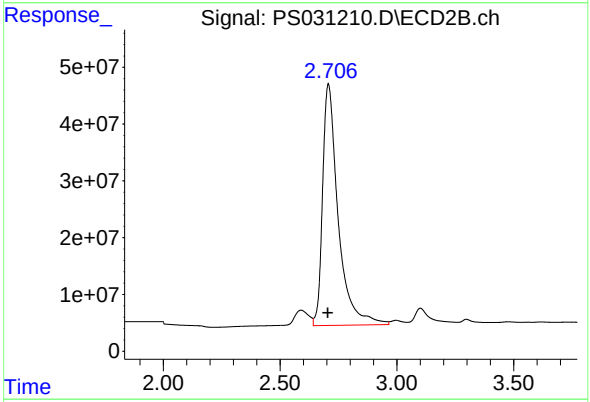




#1 Dalapon

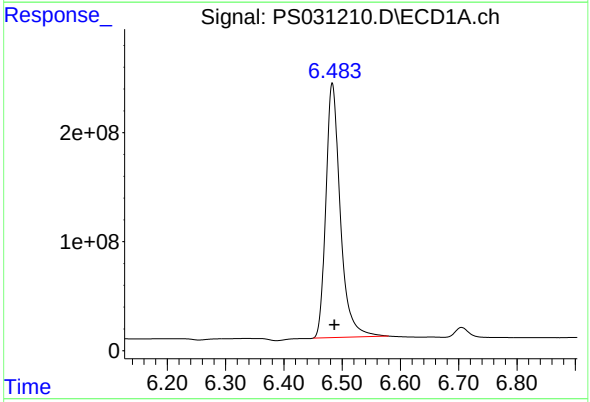
R.T.: 2.691 min
Delta R.T.: 0.000 min
Response: 4102723161
Conc: 654.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



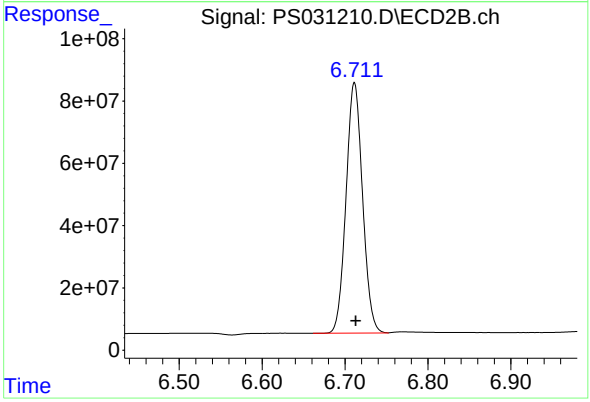
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: 0.003 min
Response: 1970923443
Conc: 694.78 ng/ml



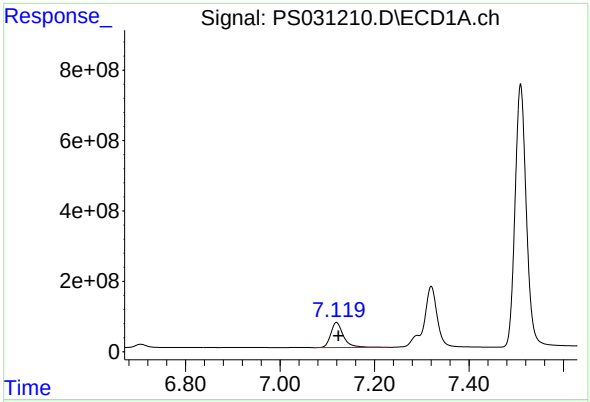
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 4016942114
Conc: 727.34 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

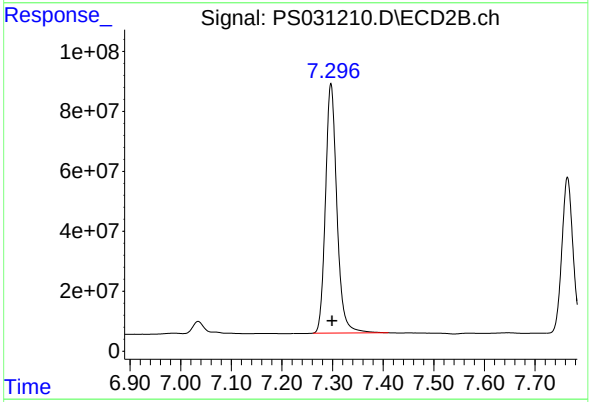
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1113448064
Conc: 723.07 ng/ml



#3 4-Nitrophenol

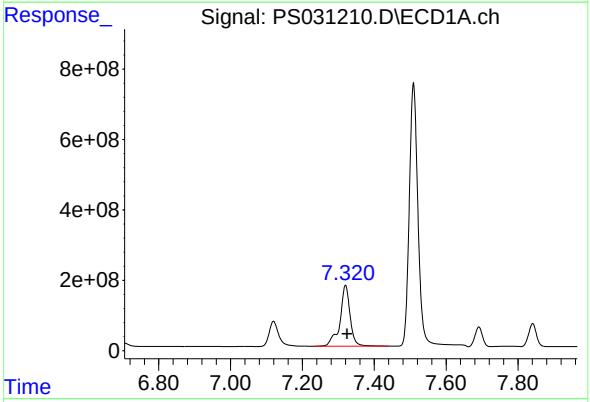
R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 1328330393
Conc: 805.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



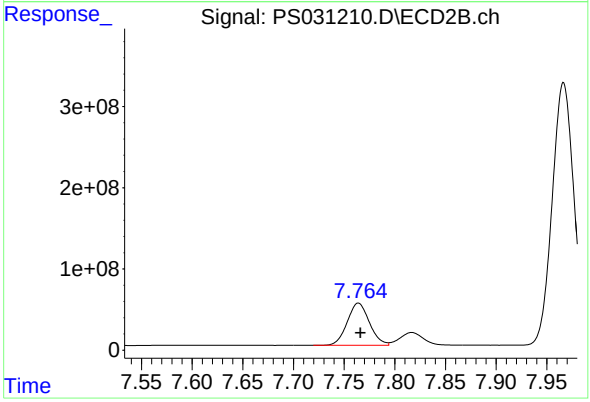
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 1305183849
Conc: 721.37 ng/ml



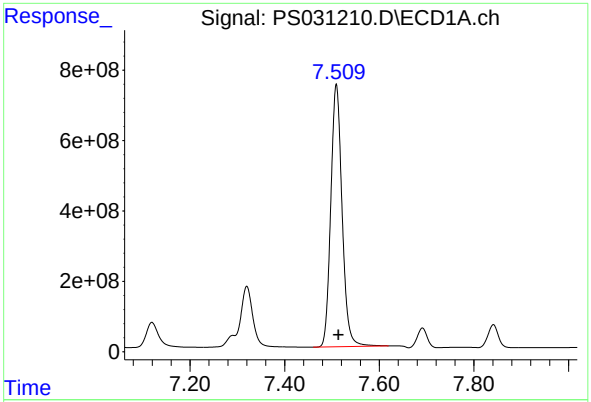
#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 3419023082
Conc: 786.30 ng/ml



#4 2,4-DCAA

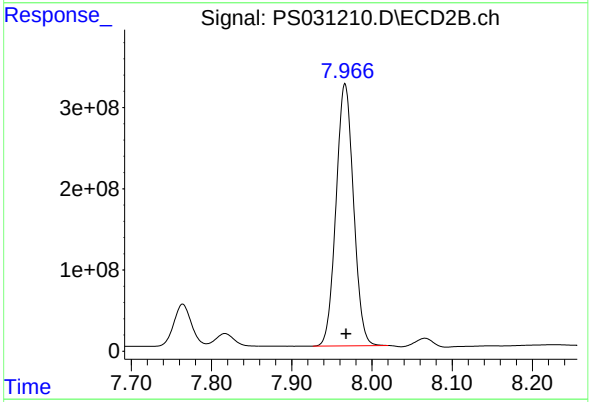
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 793075316
Conc: 781.38 ng/ml



#5 DICAMBA

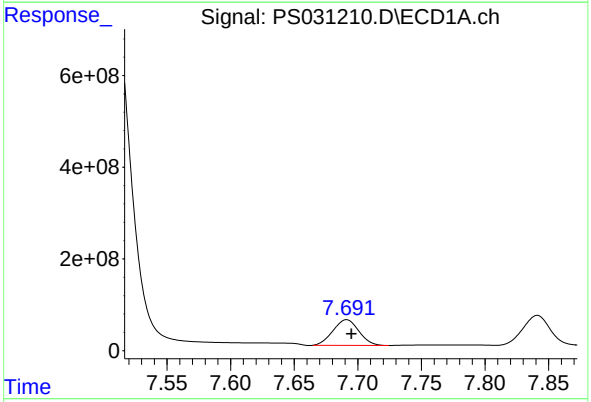
R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 12334051936
Conc: 747.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



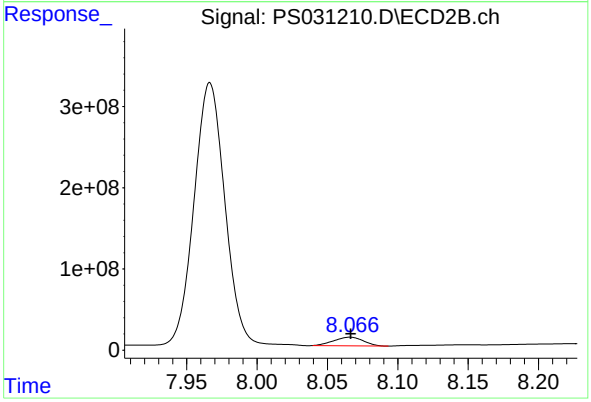
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.001 min
Response: 4884921638
Conc: 756.96 ng/ml



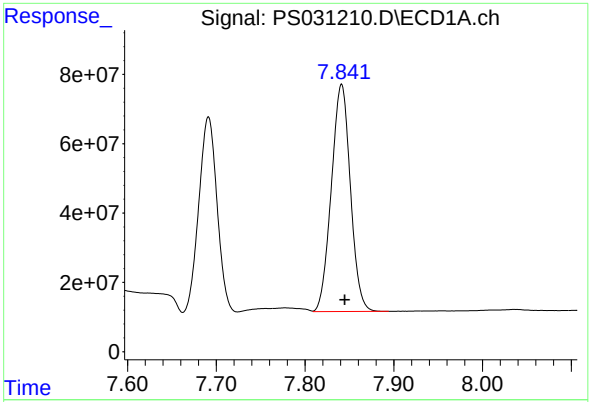
#6 MCPP

R.T.: 7.691 min
Delta R.T.: -0.004 min
Response: 792704866
Conc: 79.19 ug/ml



#6 MCPP

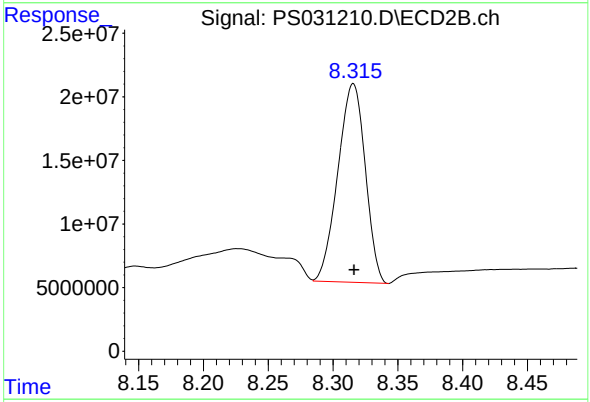
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 155713237
Conc: 74.94 ug/ml



#7 MCPA

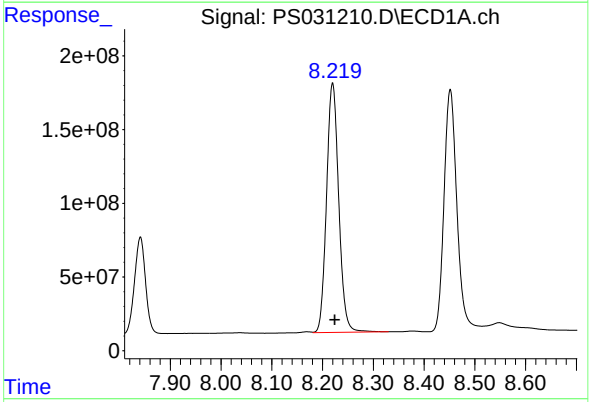
R.T.: 7.841 min
Delta R.T.: -0.003 min
Response: 977254229
Conc: 78.09 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



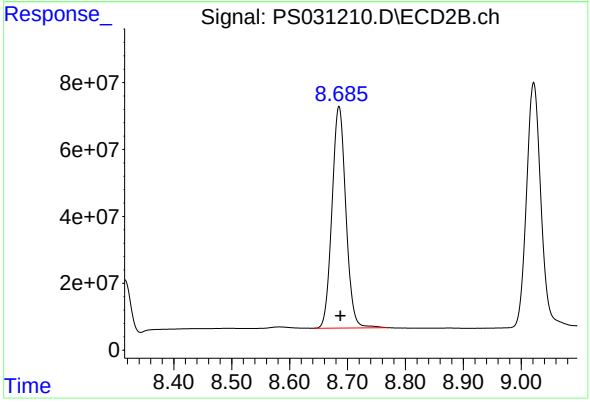
#7 MCPA

R.T.: 8.316 min
Delta R.T.: 0.000 min
Response: 229397428
Conc: 72.70 ug/ml



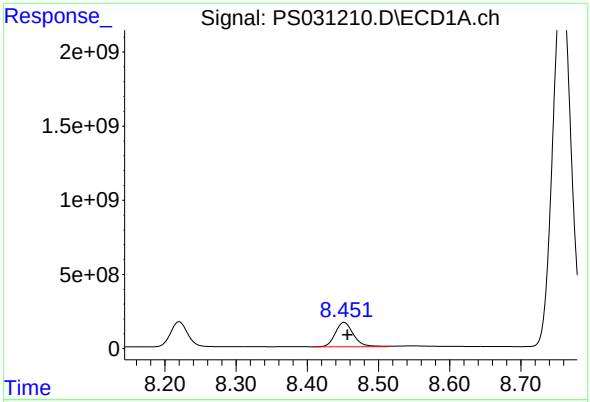
#8 DICHLORPROP

R.T.: 8.220 min
Delta R.T.: -0.005 min
Response: 2820869764
Conc: 738.07 ng/ml



#8 DICHLORPROP

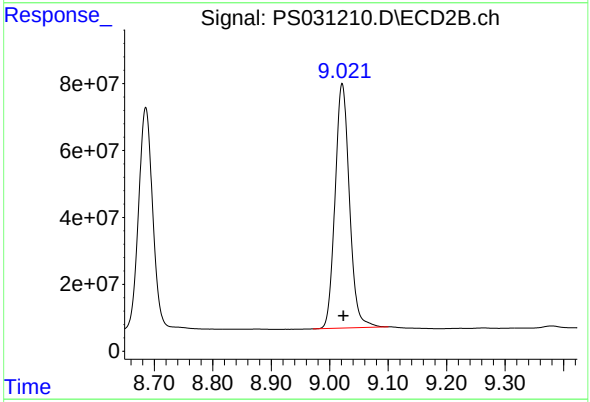
R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1106800582
Conc: 730.63 ng/ml



#9 2,4-D

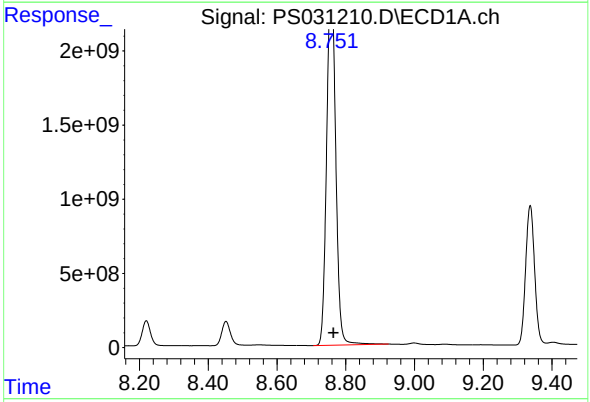
R.T.: 8.452 min
Delta R.T.: -0.005 min
Response: 2911755081
Conc: 779.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



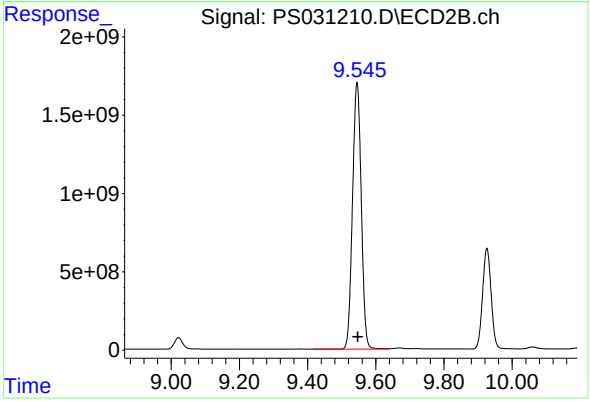
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.002 min
Response: 1249389677
Conc: 735.66 ng/ml



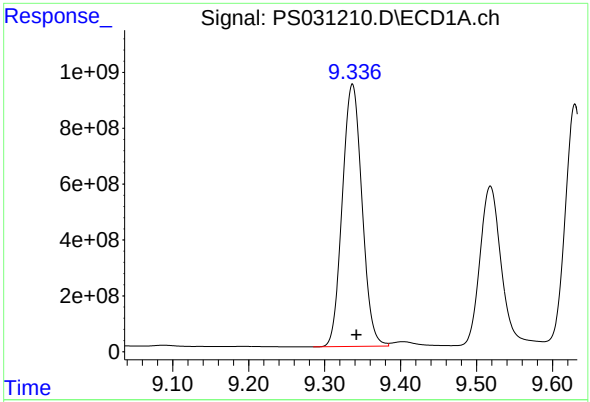
#10 Pentachlorophenol

R.T.: 8.760 min
Delta R.T.: -0.003 min
Response: 43068632712
Conc: 788.49 ng/ml



#10 Pentachlorophenol

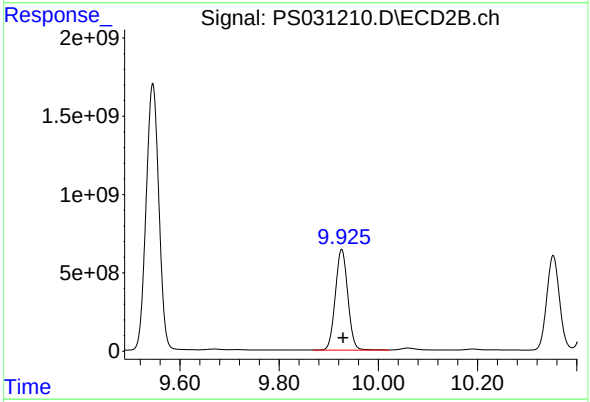
R.T.: 9.545 min
Delta R.T.: -0.002 min
Response: 30353456563
Conc: 776.68 ng/ml



#11 2,4,5-TP (SILVEX)

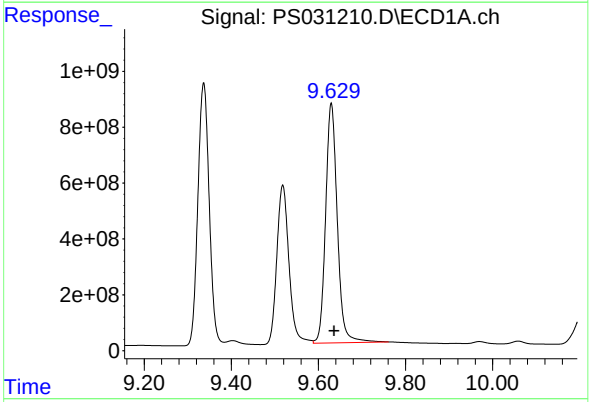
R.T.: 9.337 min
Delta R.T.: -0.005 min
Response: 16905806550
Conc: 770.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



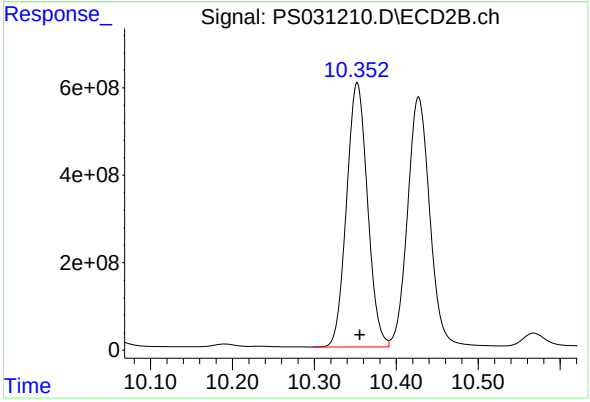
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 11217097927
Conc: 753.12 ng/ml



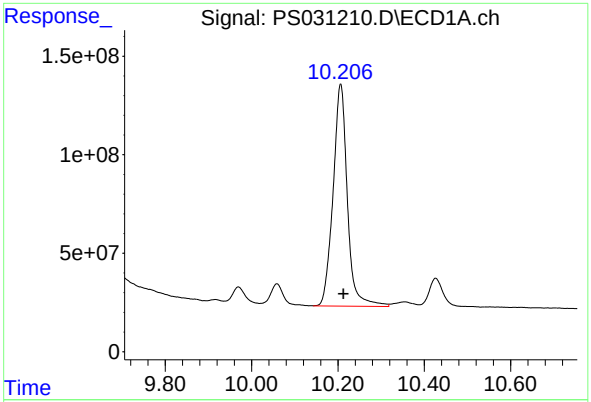
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 15951888377
Conc: 816.88 ng/ml



#12 2,4,5-T

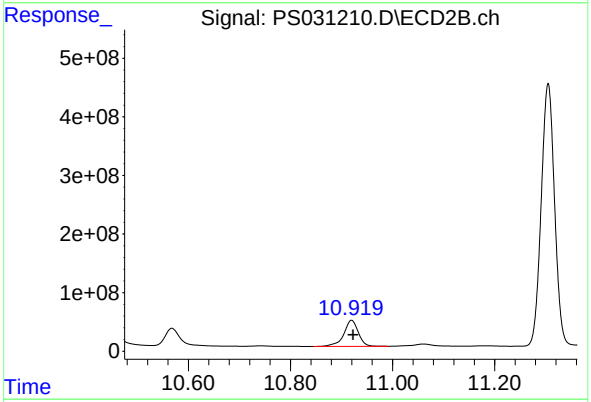
R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 10732189641
Conc: 754.75 ng/ml



#13 2,4-DB

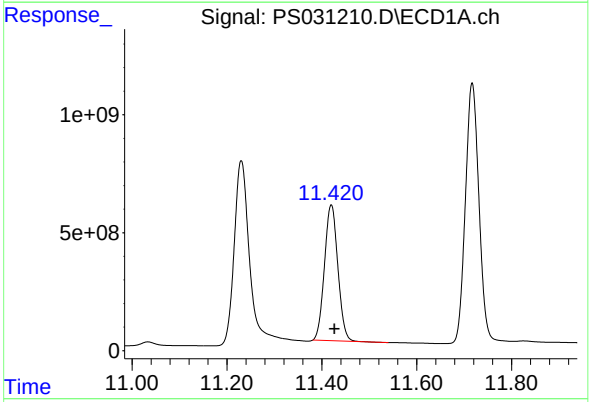
R.T.: 10.206 min
Delta R.T.: -0.006 min
Response: 2589078759
Conc: 865.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



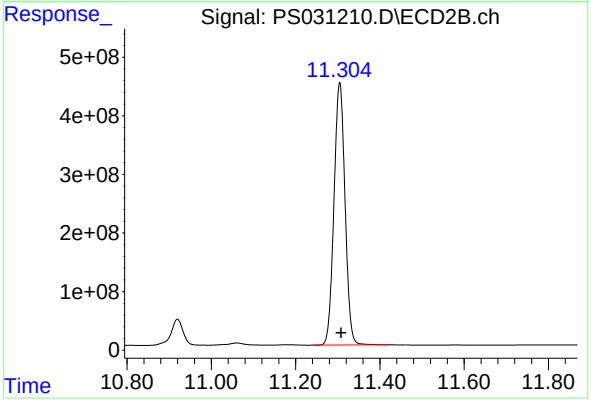
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 880817897
Conc: 752.51 ng/ml



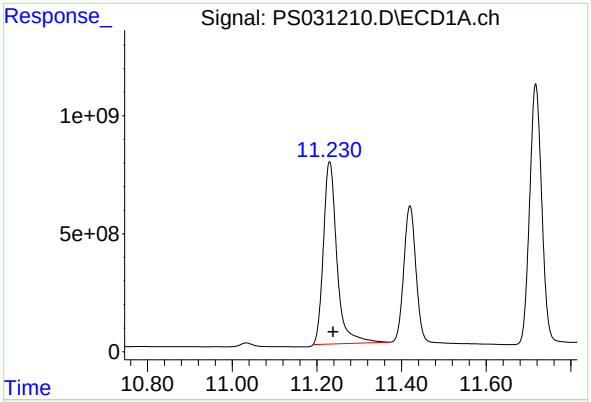
#14 DINOSEB

R.T.: 11.420 min
Delta R.T.: -0.007 min
Response: 11247494301
Conc: 722.41 ng/ml



#14 DINOSEB

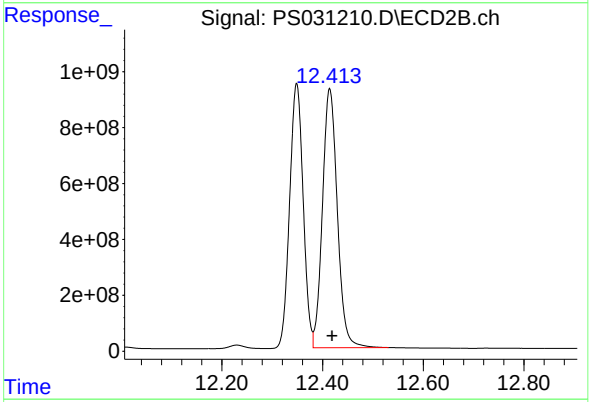
R.T.: 11.305 min
Delta R.T.: -0.004 min
Response: 8151478132
Conc: 721.24 ng/ml



#15 Picloram

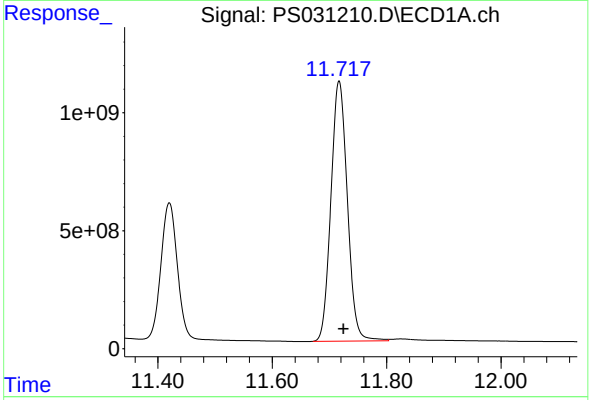
R.T.: 11.230 min
Delta R.T.: -0.008 min
Response: 17165277747
Conc: 857.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



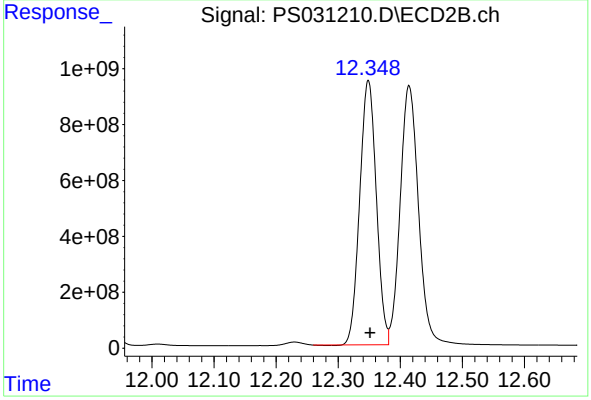
#15 Picloram

R.T.: 12.414 min
Delta R.T.: -0.004 min
Response: 18999958441
Conc: 763.20 ng/ml



#16 DCPA

R.T.: 11.717 min
Delta R.T.: -0.008 min
Response: 21983677085
Conc: 766.16 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 17575175855
Conc: 762.94 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:04
Operator : AR\AJ
Sample : Q2639-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:29:08 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	7.318	7.766	585.0E6	227.0E6	134.542	223.648	#
		Target Compounds							
1)	T	Dalapon	0.000	2.668f	0	1119.8E6	N.D.	394.743	
3)	T	4-Nitroph...	7.127	7.318	-12917201	116.6E6	N.D.	64.422	
5)	T	DICAMBA	7.522	7.967	-1149766	13573897	N.D.	2.103	
6)	T	MCPP	7.699	8.069	35607472	253.0E6	3.557	121.744	#
7)	T	MCPA	7.852	8.270f	278.5E6	121.1E6	22.257	38.379	#
8)	T	DICHLORPROP	8.262f	8.662f	345.4E6	55206114	90.364	36.443	#
9)	T	2,4-D	8.476	0.000	18906433	0	5.062	N.D.	#
10)	T	Pentachlo...	8.796f	9.513f	22227632	34595447	<MDL	<MDL	#
11)	T	2,4,5-TP ...	9.380f	9.895f	2458710	240.3E6	<MDL	16.134	#
12)	T	2,4,5-T	9.678f	10.339	64539907	561.8E6	3.305	39.512	#
13)	T	2,4-DB	10.234	10.901	344.2E6	31534158	115.122	26.941	#
14)	T	DINOSEB	11.437	11.313	42452199	683.7E6	2.727	60.496	#
15)	T	Picloram	11.219	12.424	8804405	44530256	<MDL	1.789	#
16)	T	DCPA	11.705	12.325f	231.5E6	-32172907	8.067	N.D.	#

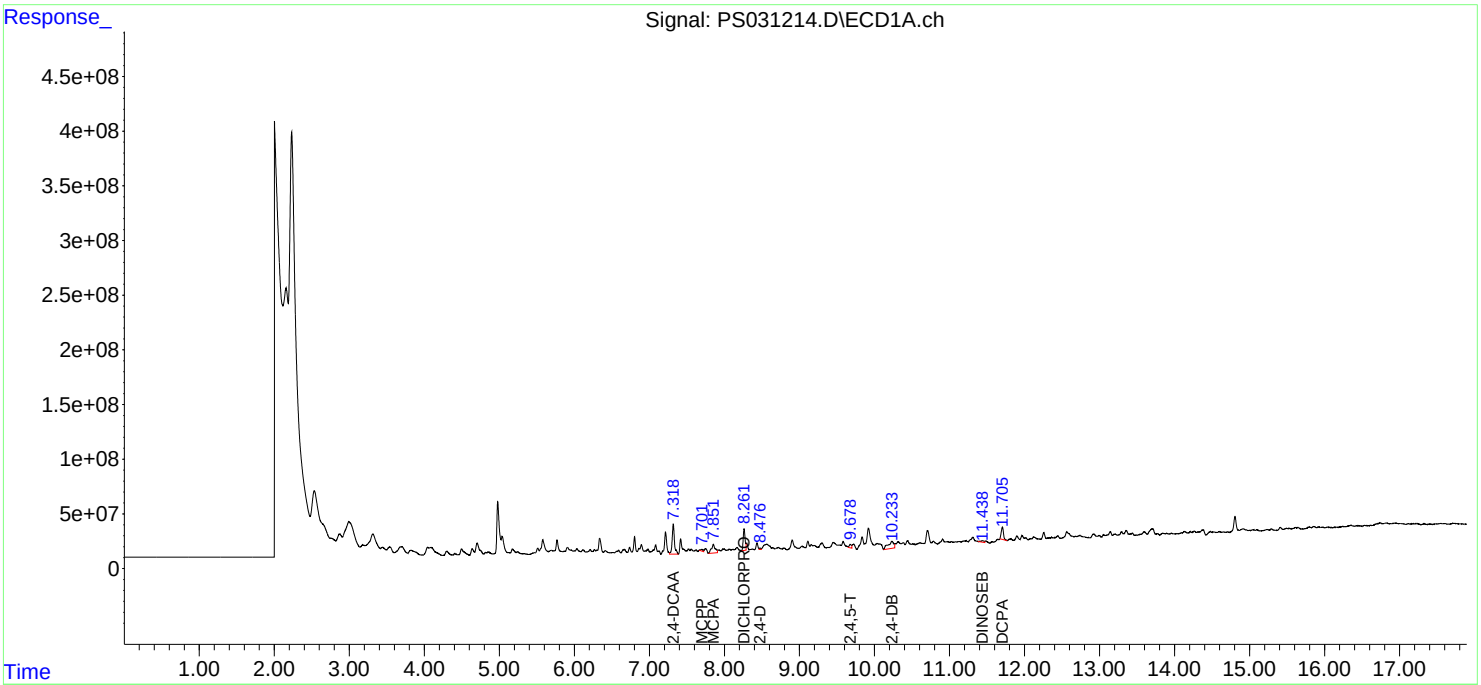
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

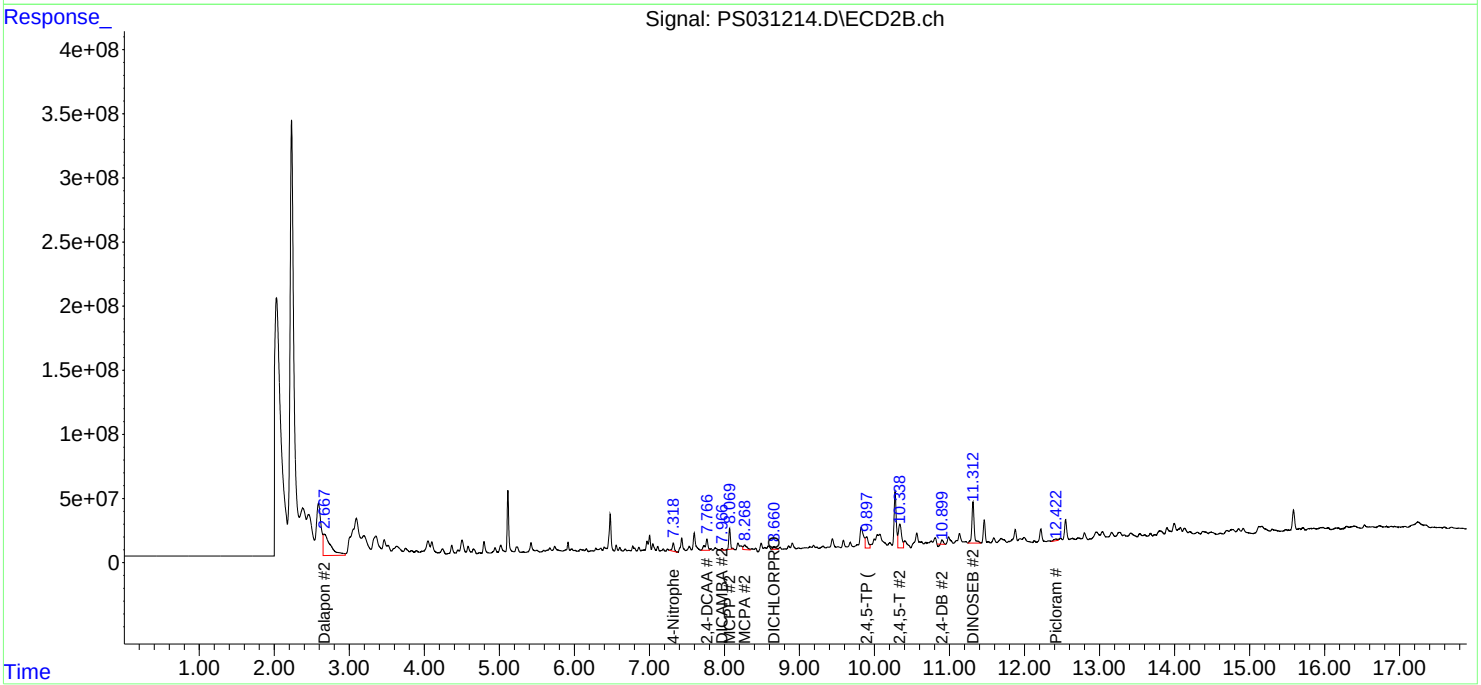
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:04
Operator : AR\AJ
Sample : Q2639-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

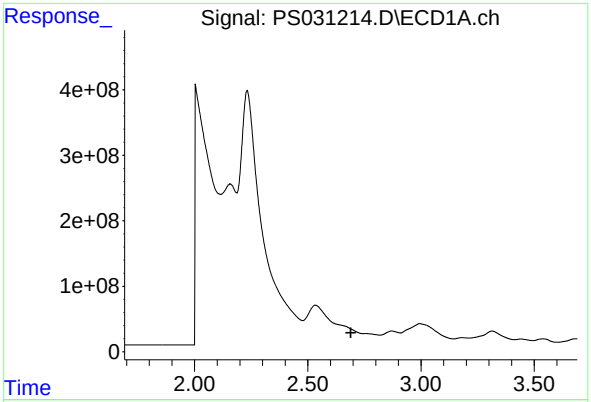
Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:29:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.25µm



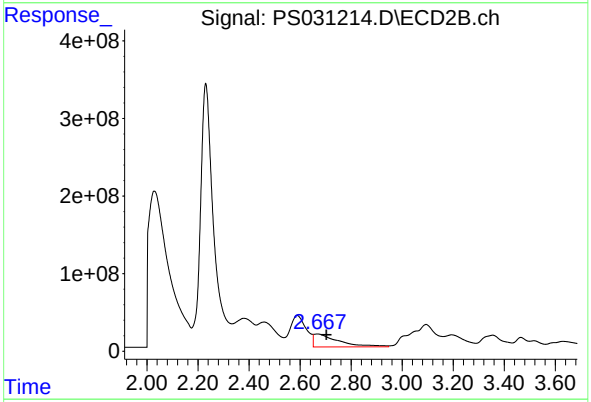




#1 Dalapon

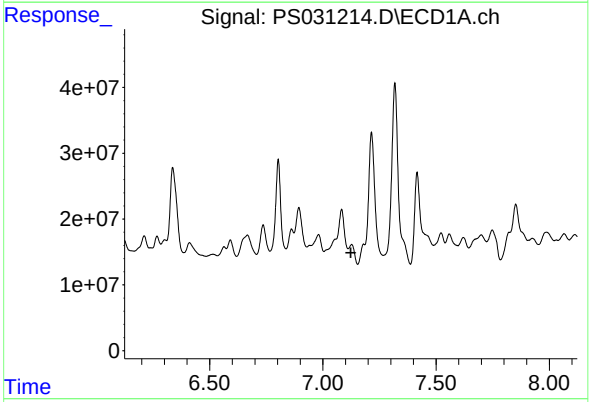
R.T.: 0.000 min
Exp R.T. : 2.690 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725



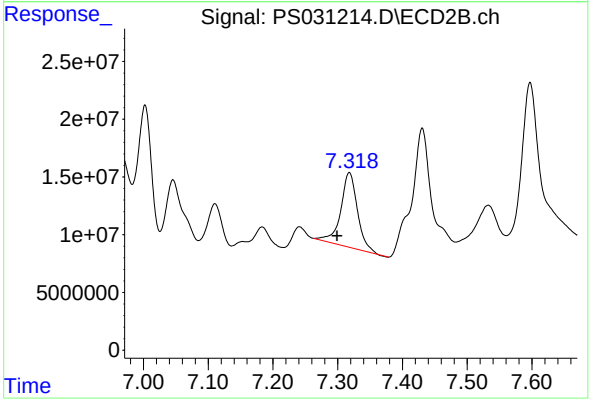
#1 Dalapon

R.T.: 2.668 min
Delta R.T.: -0.035 min
Response: 1119782940
Conc: 394.74 ng/ml



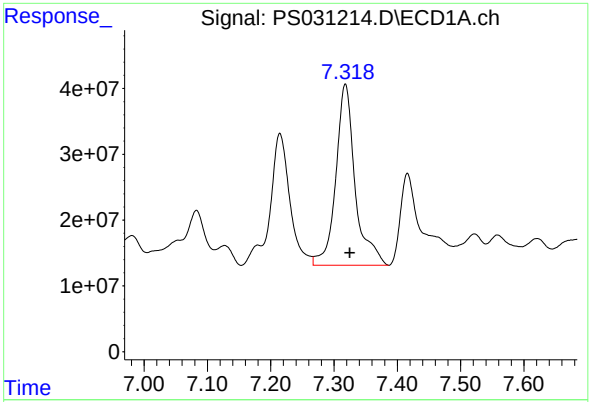
#3 4-Nitrophenol

R.T.: 7.127 min
Delta R.T.: 0.003 min
Response: -12917201
Conc: N.D.



#3 4-Nitrophenol

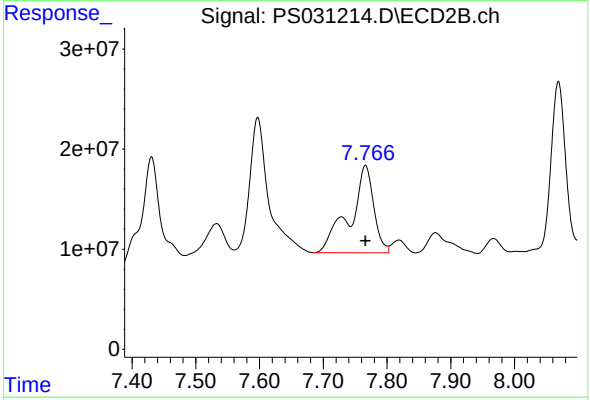
R.T.: 7.318 min
Delta R.T.: 0.019 min
Response: 116560693
Conc: 64.42 ng/ml



#4 2,4-DCAA

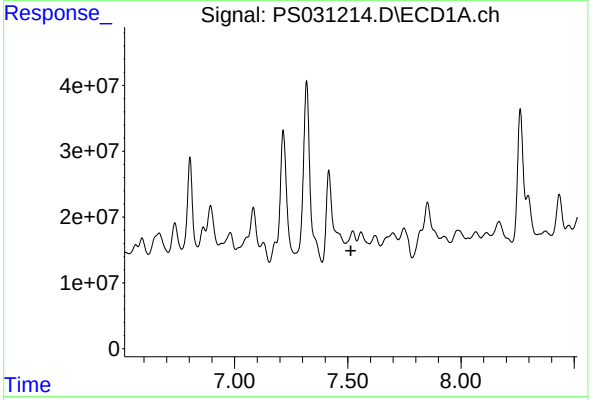
R.T.: 7.318 min
Delta R.T.: -0.007 min
Response: 585020941
Conc: 134.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725



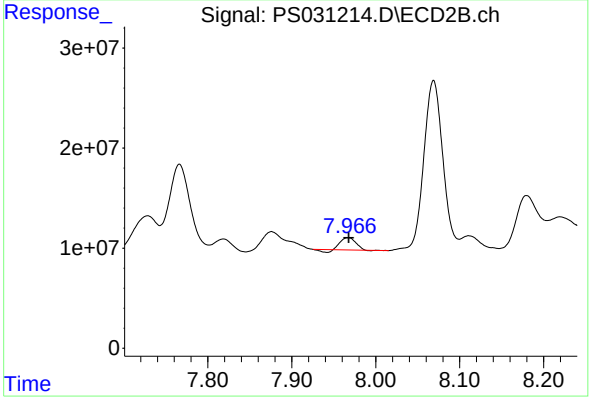
#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: 0.000 min
Response: 226995723
Conc: 223.65 ng/ml



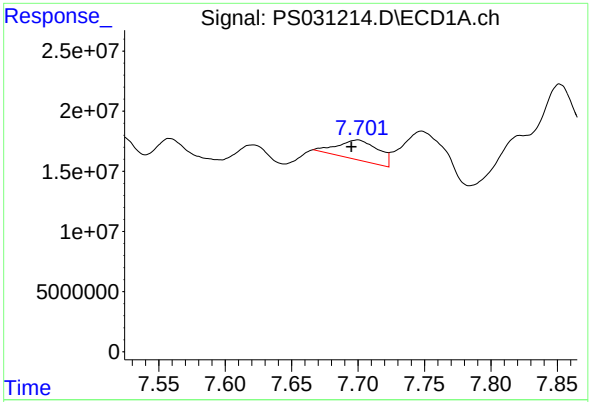
#5 DICAMBA

R.T.: 7.522 min
Delta R.T.: 0.008 min
Response: -1149766
Conc: N.D.



#5 DICAMBA

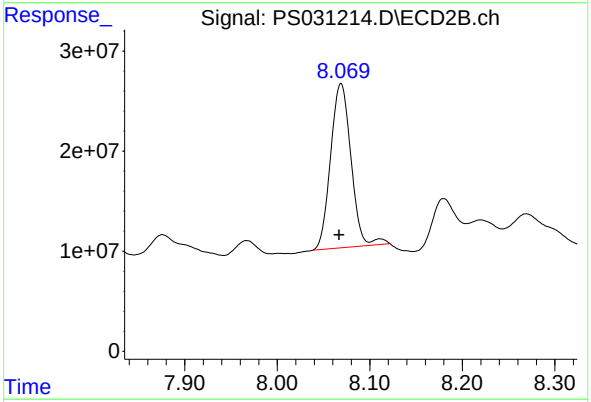
R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 13573897
Conc: 2.10 ng/ml



#6 MCPP

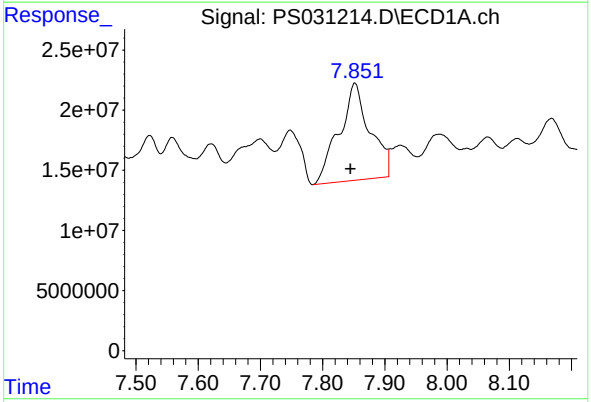
R.T.: 7.699 min
Delta R.T.: 0.004 min
Response: 35607472
Conc: 3.56 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725



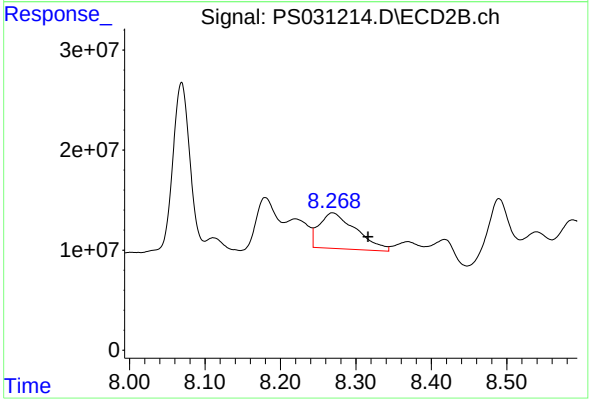
#6 MCPP

R.T.: 8.069 min
Delta R.T.: 0.002 min
Response: 252960117
Conc: 121.74 ug/ml



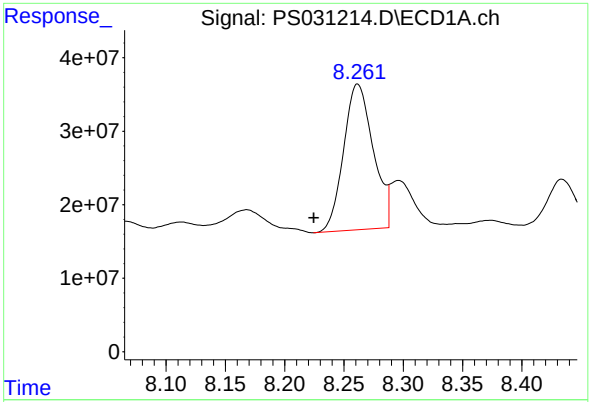
#7 MCPA

R.T.: 7.852 min
Delta R.T.: 0.007 min
Response: 278530762
Conc: 22.26 ug/ml



#7 MCPA

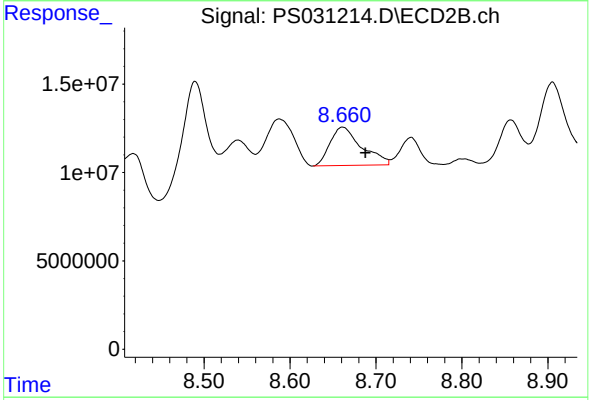
R.T.: 8.270 min
Delta R.T.: -0.047 min
Response: 121092727
Conc: 38.38 ug/ml



#8 DICHLORPROP

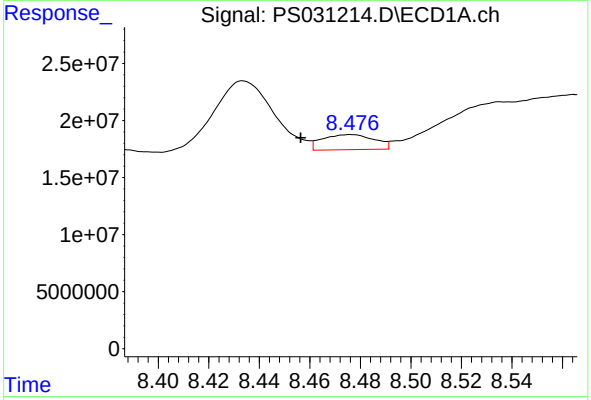
R.T.: 8.262 min
Delta R.T.: 0.037 min
Response: 345369013
Conc: 90.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725



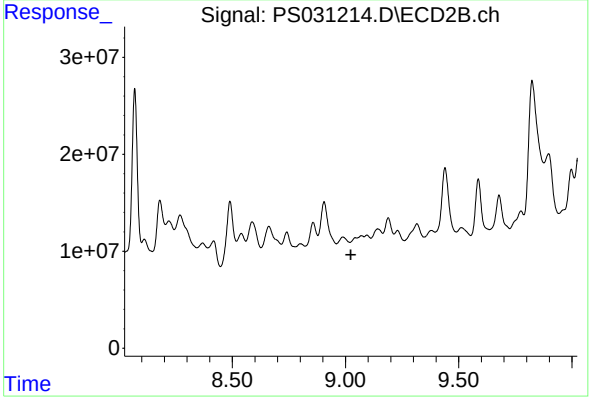
#8 DICHLORPROP

R.T.: 8.662 min
Delta R.T.: -0.026 min
Response: 55206114
Conc: 36.44 ng/ml



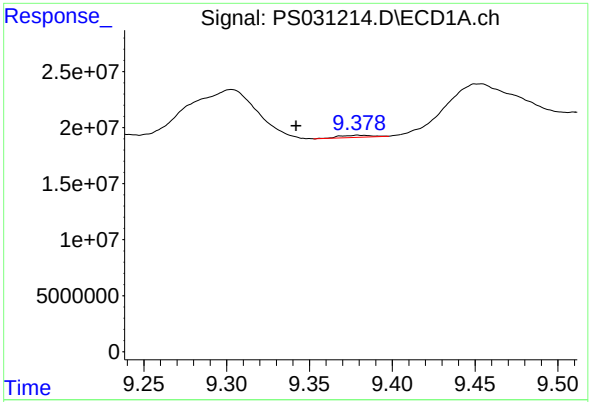
#9 2,4-D

R.T.: 8.476 min
Delta R.T.: 0.019 min
Response: 18906433
Conc: 5.06 ng/ml



#9 2,4-D

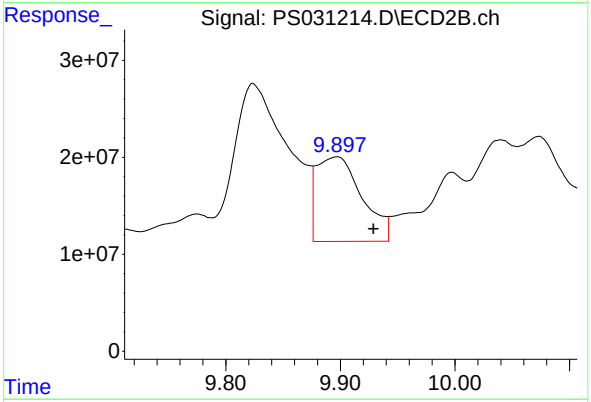
R.T.: 0.000 min
Exp R.T. : 9.024 min
Response: 0
Conc: N.D.



#11 2,4,5-TP (SILVEX)

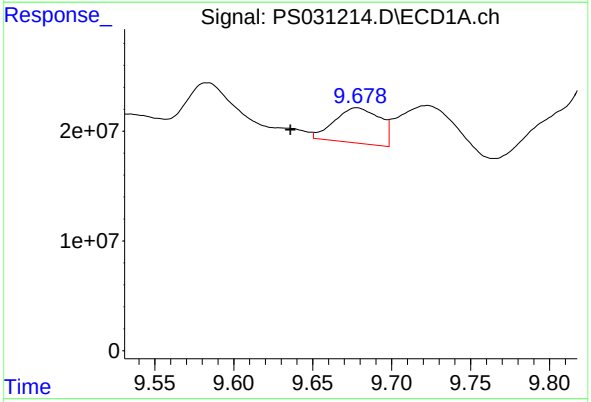
R.T.: 9.380 min
Delta R.T.: 0.038 min
Response: 2458710
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725



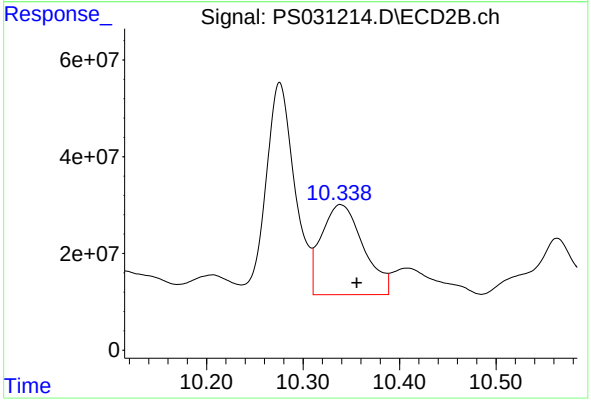
#11 2,4,5-TP (SILVEX)

R.T.: 9.895 min
Delta R.T.: -0.034 min
Response: 240298036
Conc: 16.13 ng/ml



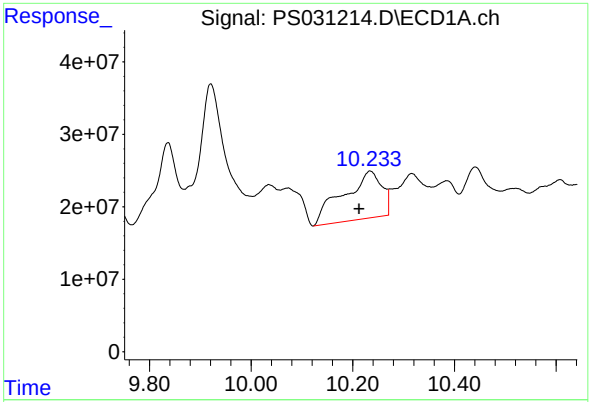
#12 2,4,5-T

R.T.: 9.678 min
Delta R.T.: 0.042 min
Response: 64539907
Conc: 3.31 ng/ml



#12 2,4,5-T

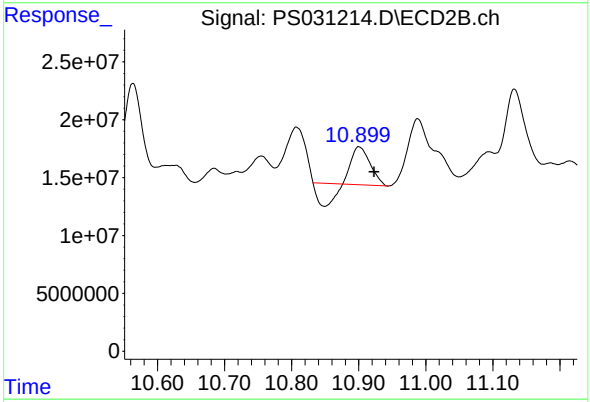
R.T.: 10.339 min
Delta R.T.: -0.016 min
Response: 561836168
Conc: 39.51 ng/ml



#13 2,4-DB

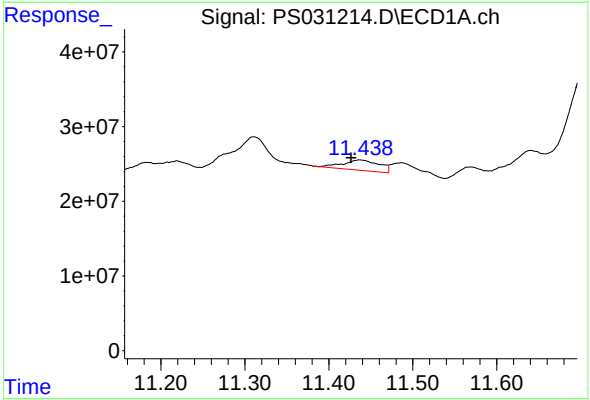
R.T.: 10.234 min
Delta R.T.: 0.022 min
Response: 344200182
Conc: 115.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725



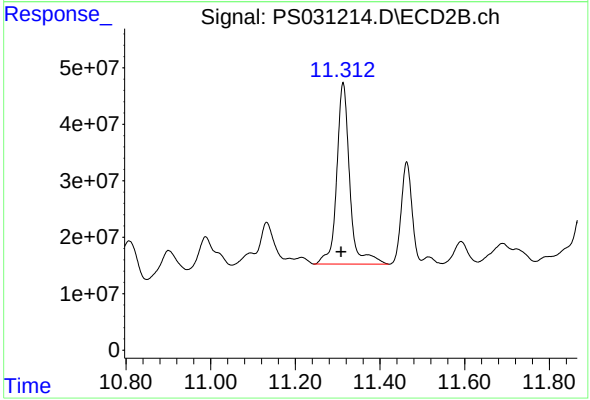
#13 2,4-DB

R.T.: 10.901 min
Delta R.T.: -0.021 min
Response: 31534158
Conc: 26.94 ng/ml



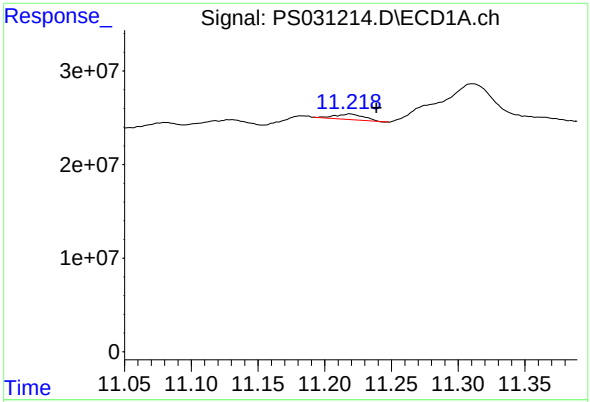
#14 DINOSEB

R.T.: 11.437 min
Delta R.T.: 0.011 min
Response: 42452199
Conc: 2.73 ng/ml



#14 DINOSEB

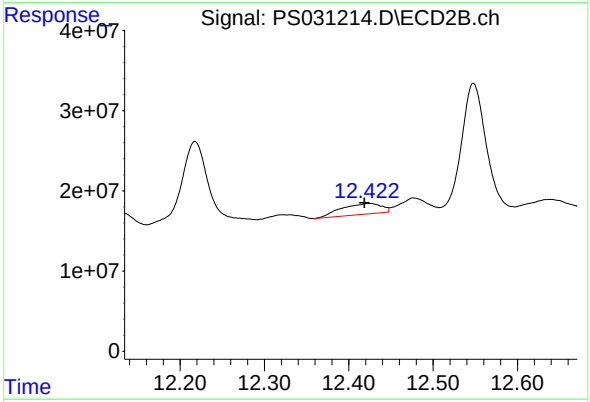
R.T.: 11.313 min
Delta R.T.: 0.005 min
Response: 683732328
Conc: 60.50 ng/ml



#15 Picloram

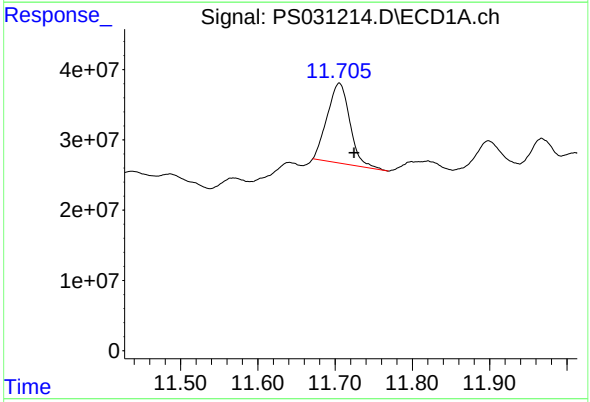
R.T.: 11.219 min
Delta R.T.: -0.020 min
Response: 8804405
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-41-071725



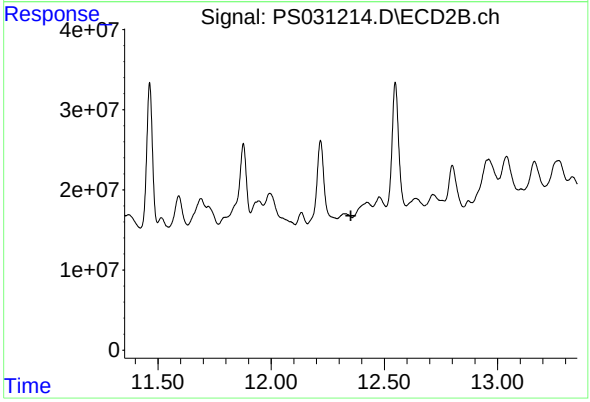
#15 Picloram

R.T.: 12.424 min
Delta R.T.: 0.005 min
Response: 44530256
Conc: 1.79 ng/ml



#16 DCPA

R.T.: 11.705 min
Delta R.T.: -0.019 min
Response: 231478574
Conc: 8.07 ng/ml



#16 DCPA

R.T.: 12.325 min
Delta R.T.: -0.026 min
Response: -32172907
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:28
Operator : AR\AJ
Sample : Q2639-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:29:36 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	7.317	7.770	283.1E6	149.3E6	65.116	147.064	#
		Target Compounds							
1)	T	Dalapon	2.667	0.000	2725.0E6	0	434.401	N.D.	#
3)	T	4-Nitroph...	7.086f	7.318	62628853	44554513	37.985	24.625	#
5)	T	DICAMBA	7.521	7.966	-10462556	31191106	N.D.	4.833	
6)	T	MCPP	7.703	8.068	43183958	86224414	4.314	41.498	#
7)	T	MCPA	7.885f	8.295	44400909	37820566	3.548	11.987	#
8)	T	DICHLORPROP	8.260f	8.705	127.1E6	4917435	33.242	3.246	#
9)	T	2,4-D	8.428f	9.040	61864502	-12356908	16.564	N.D.	#
10)	T	Pentachlo...	8.767	9.529	15863032	97909057	<MDL	2.505	#
11)	T	2,4,5-TP ...	9.379f	0.000	37800039	0	1.722	N.D.	#
12)	T	2,4,5-T	9.674f	10.340	163.5E6	566.6E6	8.372	39.845	#
13)	T	2,4-DB	10.190	10.907	66990294	-15864374	22.406	N.D.	#
14)	T	DINOSEB	11.436	11.313	16694236	184.6E6	1.072	16.338	#
15)	T	Picloram	11.270f	12.431	6436285	66325974	<MDL	2.664	#
16)	T	DCPA	11.704	0.000	215.0E6	0	7.492	N.D.	#

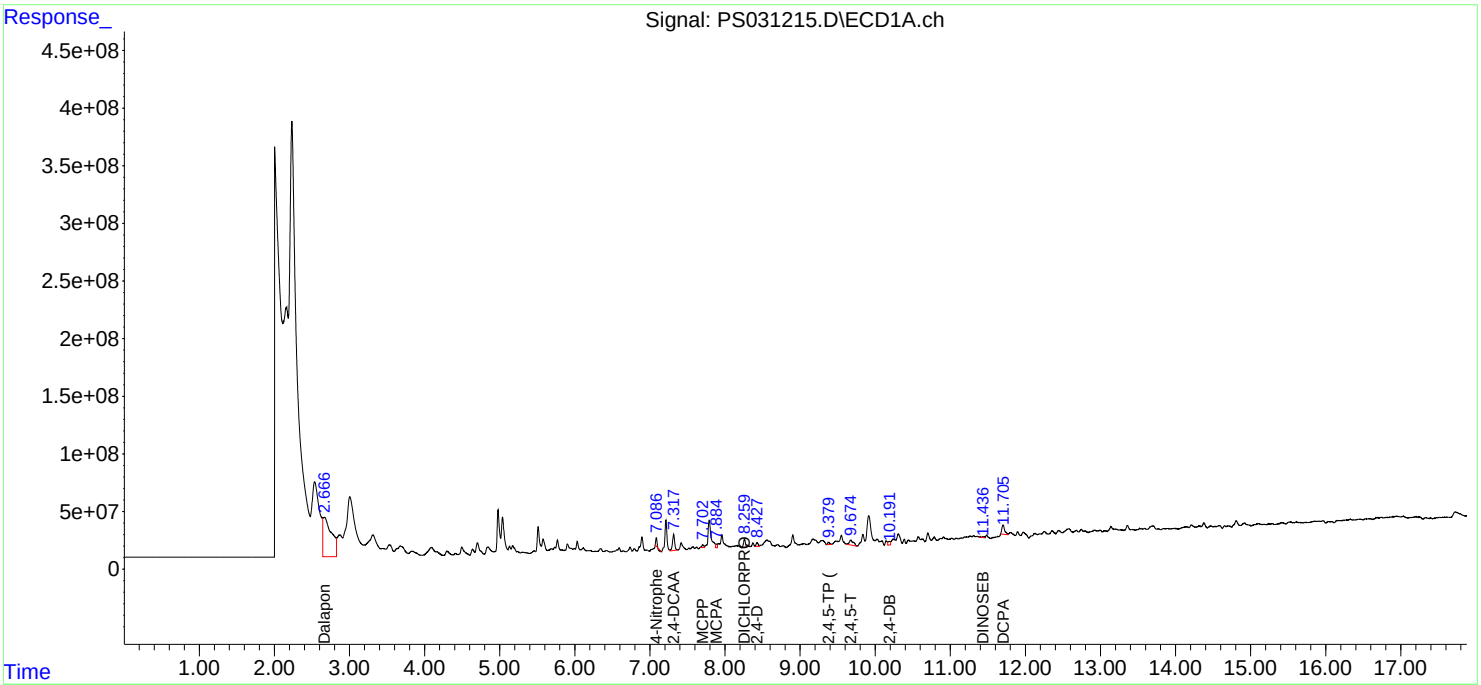
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

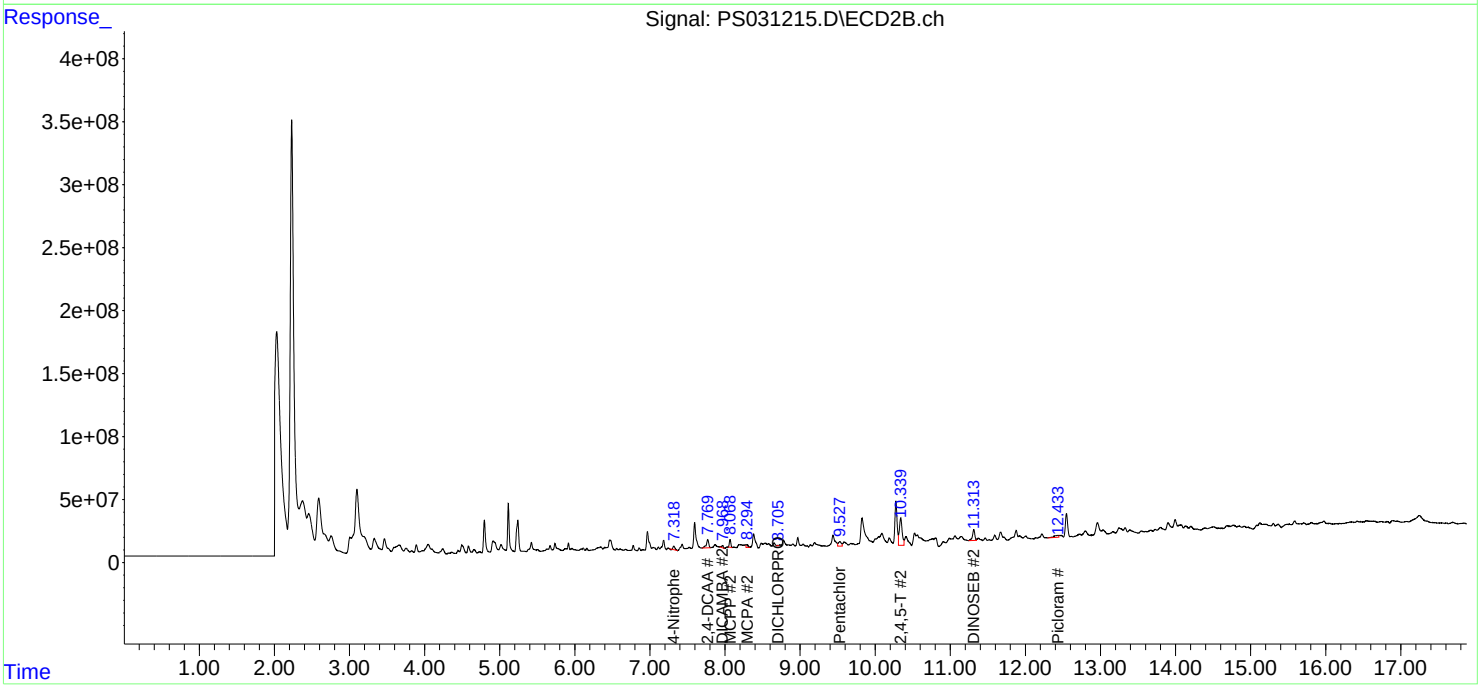
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:28
Operator : AR\AJ
Sample : Q2639-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

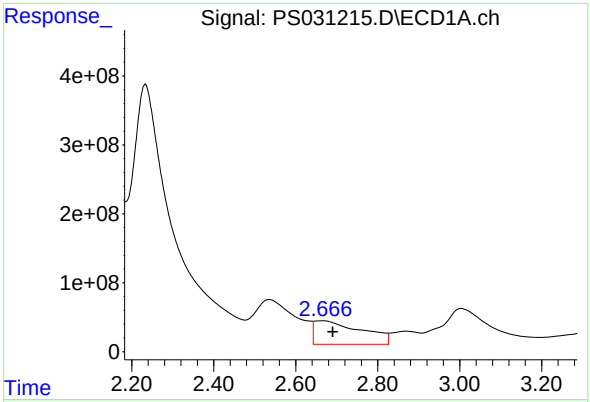
Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 01:29:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.25µm



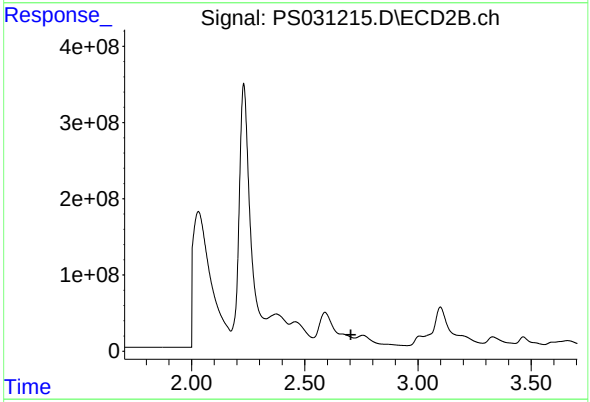




#1 Dalapon

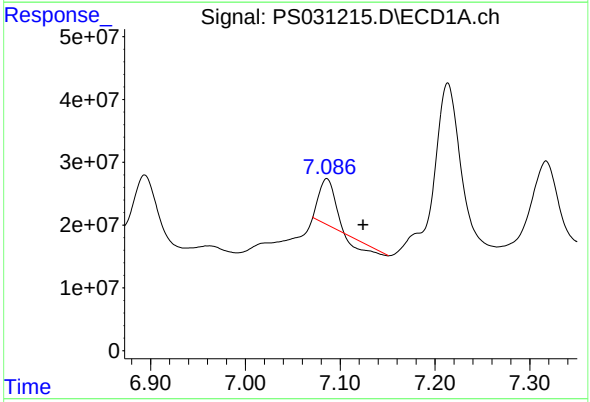
R.T.: 2.667 min
Delta R.T.: -0.023 min
Response: 2724953741
Conc: 434.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725



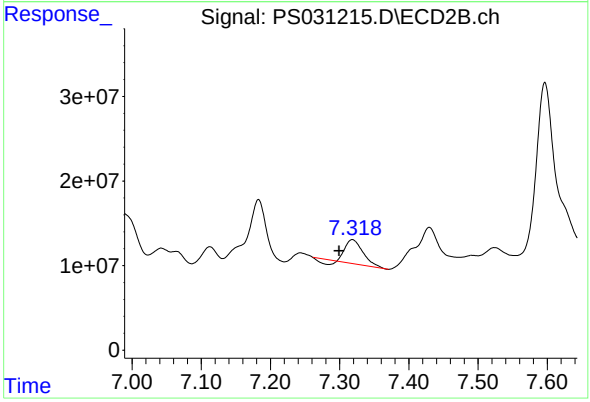
#1 Dalapon

R.T.: 0.000 min
Exp R.T. : 2.703 min
Response: 0
Conc: N.D.



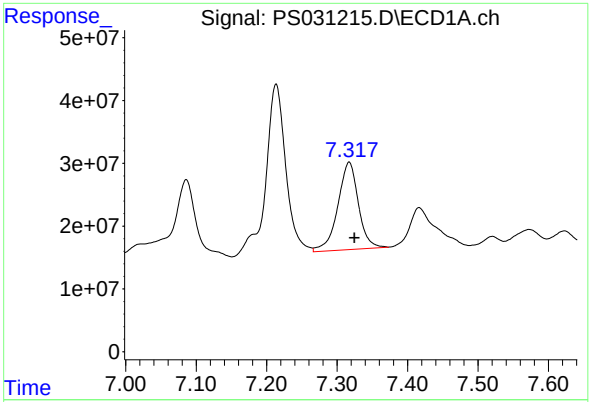
#3 4-Nitrophenol

R.T.: 7.086 min
Delta R.T.: -0.038 min
Response: 62628853
Conc: 37.98 ng/ml



#3 4-Nitrophenol

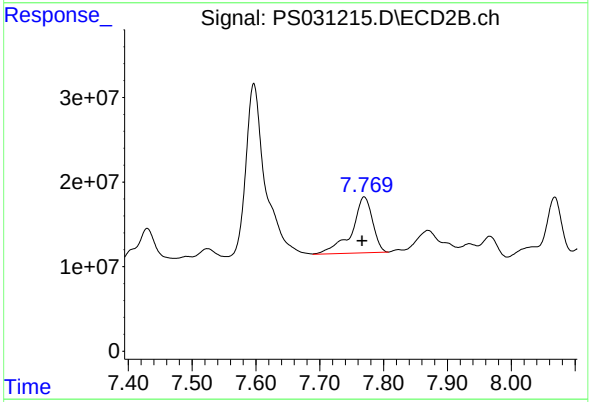
R.T.: 7.318 min
Delta R.T.: 0.019 min
Response: 44554513
Conc: 24.63 ng/ml



#4 2,4-DCAA

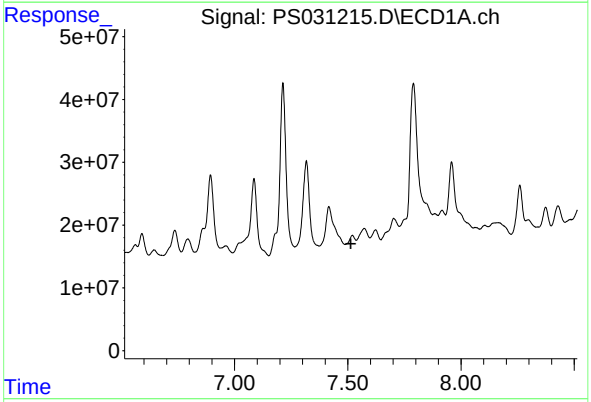
R.T.: 7.317 min
Delta R.T.: -0.007 min
Response: 283141542
Conc: 65.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725



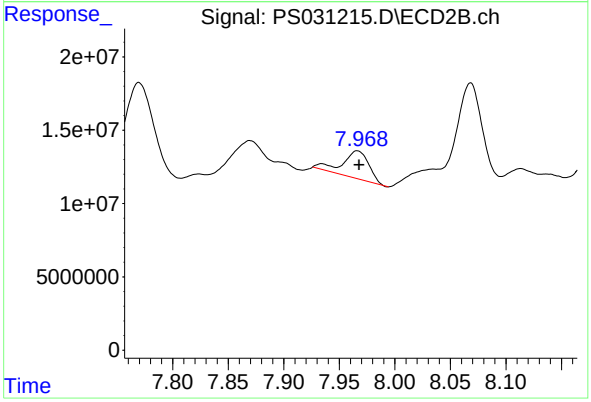
#4 2,4-DCAA

R.T.: 7.770 min
Delta R.T.: 0.004 min
Response: 149264956
Conc: 147.06 ng/ml



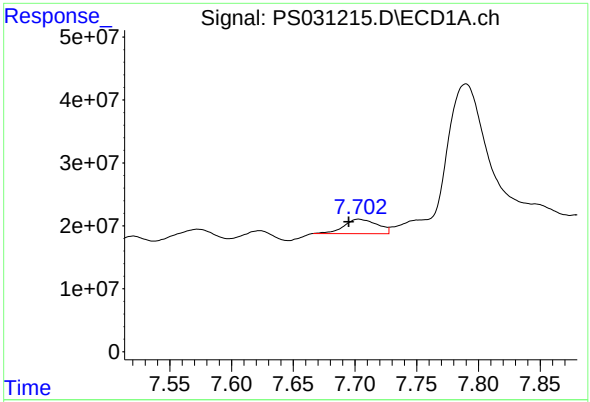
#5 DICAMBA

R.T.: 7.521 min
Delta R.T.: 0.007 min
Response: -10462556
Conc: N.D.



#5 DICAMBA

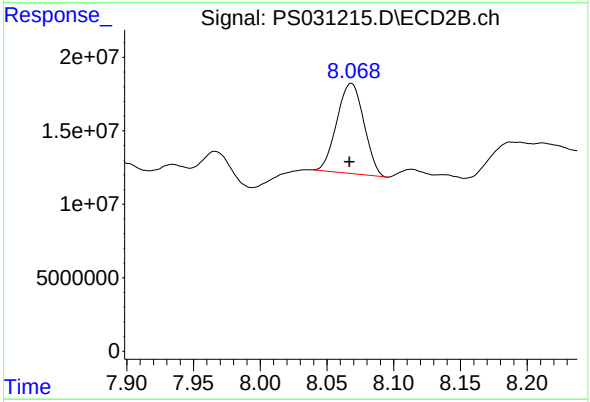
R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 31191106
Conc: 4.83 ng/ml



#6 MCPP

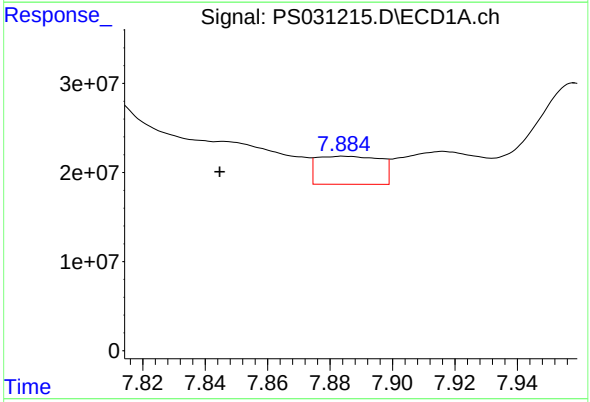
R.T.: 7.703 min
Delta R.T.: 0.008 min
Response: 43183958
Conc: 4.31 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725



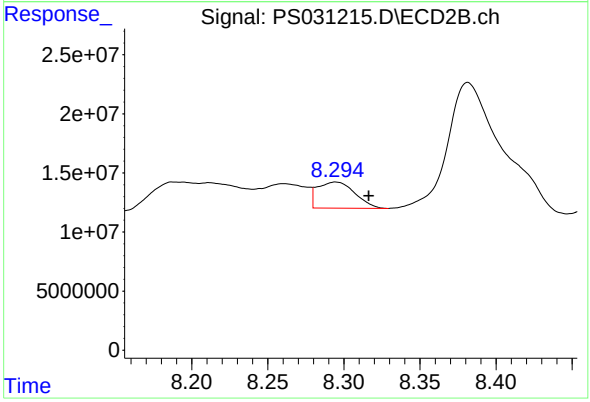
#6 MCPP

R.T.: 8.068 min
Delta R.T.: 0.001 min
Response: 86224414
Conc: 41.50 ug/ml



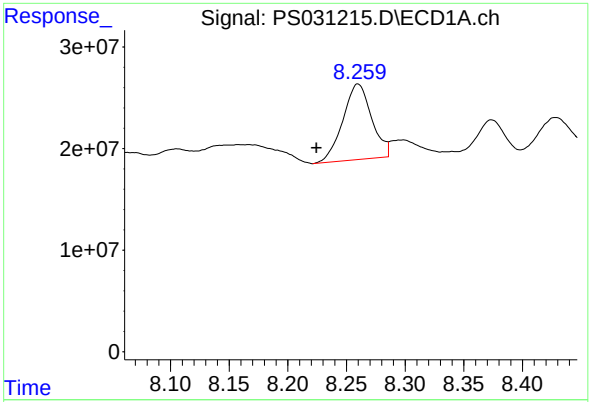
#7 MCPA

R.T.: 7.885 min
Delta R.T.: 0.040 min
Response: 44400909
Conc: 3.55 ug/ml



#7 MCPA

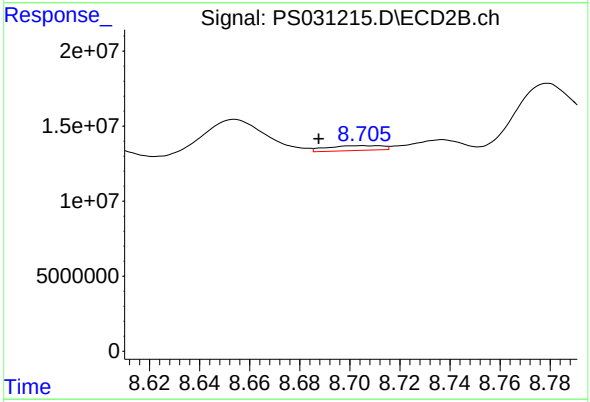
R.T.: 8.295 min
Delta R.T.: -0.022 min
Response: 37820566
Conc: 11.99 ug/ml



#8 DICHLORPROP

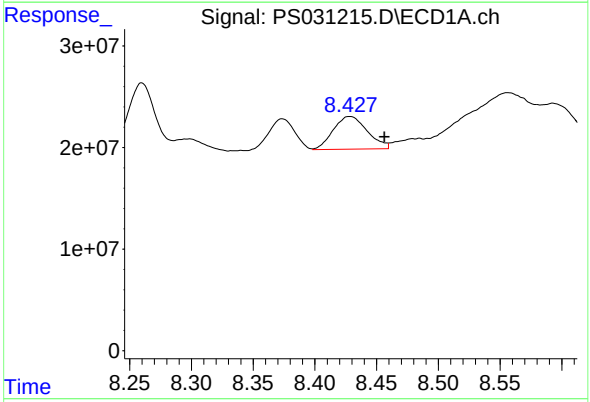
R.T.: 8.260 min
Delta R.T.: 0.035 min
Response: 127050491
Conc: 33.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725



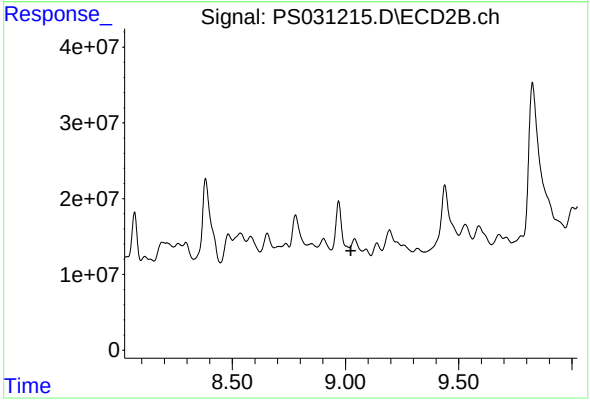
#8 DICHLORPROP

R.T.: 8.705 min
Delta R.T.: 0.018 min
Response: 4917435
Conc: 3.25 ng/ml



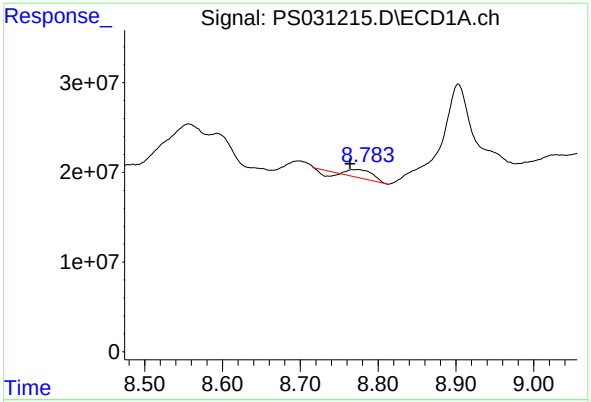
#9 2,4-D

R.T.: 8.428 min
Delta R.T.: -0.028 min
Response: 61864502
Conc: 16.56 ng/ml



#9 2,4-D

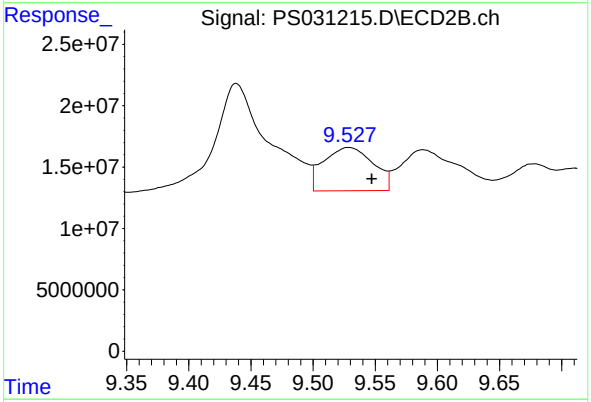
R.T.: 9.040 min
Delta R.T.: 0.016 min
Response: -12356908
Conc: N.D.



#10 Pentachlorophenol

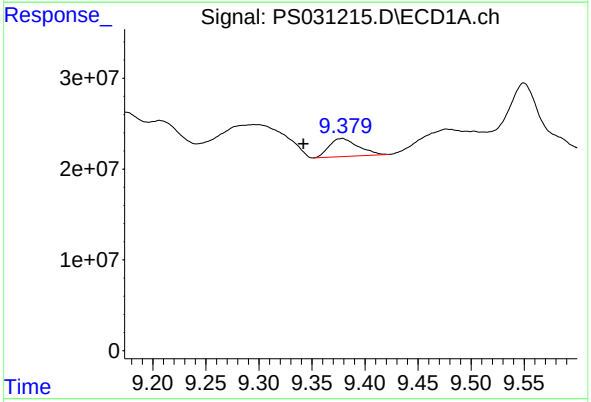
R.T.: 8.767 min
Delta R.T.: 0.003 min
Response: 15863032
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725



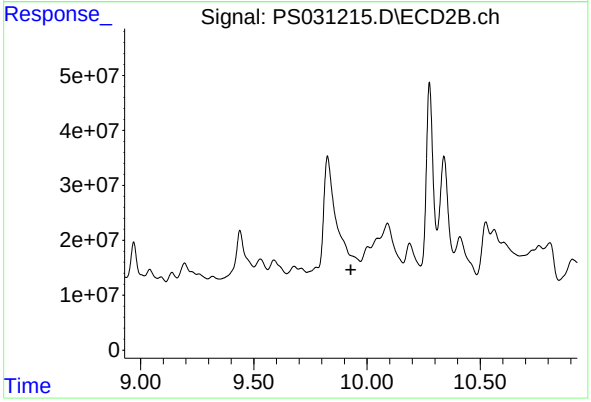
#10 Pentachlorophenol

R.T.: 9.529 min
Delta R.T.: -0.018 min
Response: 97909057
Conc: 2.51 ng/ml



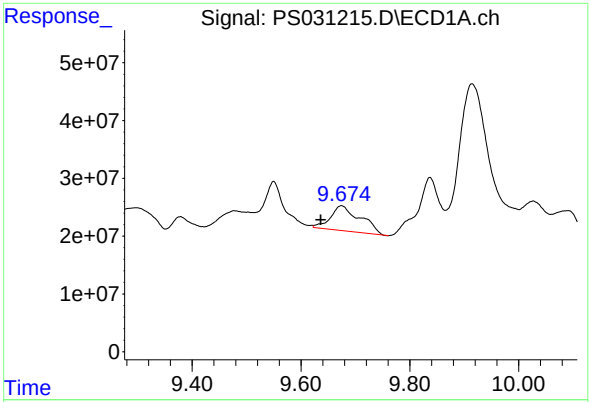
#11 2,4,5-TP (SILVEX)

R.T.: 9.379 min
Delta R.T.: 0.037 min
Response: 37800039
Conc: 1.72 ng/ml



#11 2,4,5-TP (SILVEX)

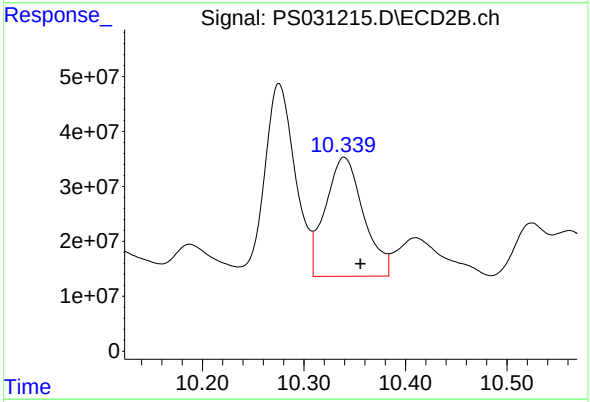
R.T.: 0.000 min
Exp R.T. : 9.929 min
Response: 0
Conc: N.D.



#12 2,4,5-T

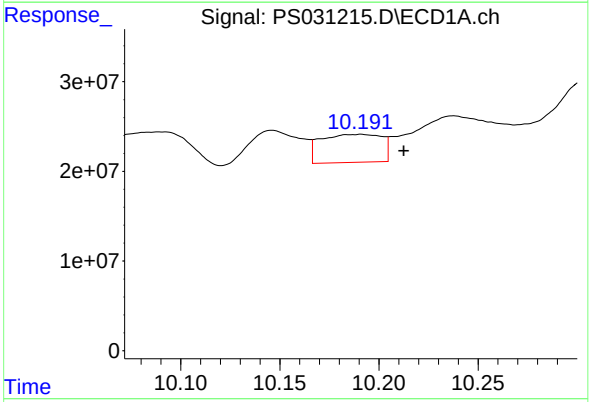
R.T.: 9.674 min
Delta R.T.: 0.038 min
Response: 163490418
Conc: 8.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725



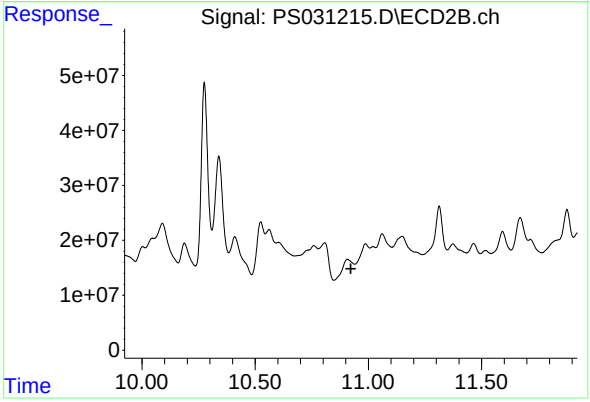
#12 2,4,5-T

R.T.: 10.340 min
Delta R.T.: -0.016 min
Response: 566568076
Conc: 39.84 ng/ml



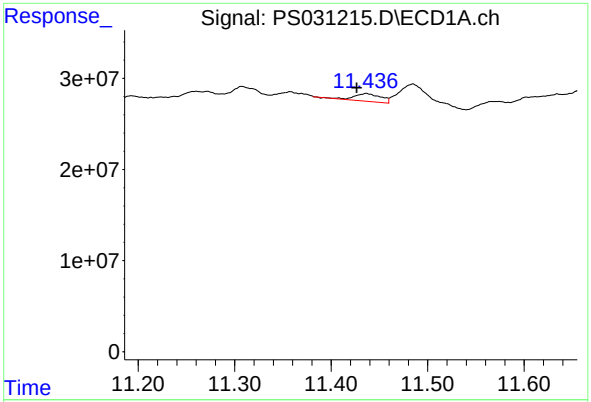
#13 2,4-DB

R.T.: 10.190 min
Delta R.T.: -0.022 min
Response: 66990294
Conc: 22.41 ng/ml



#13 2,4-DB

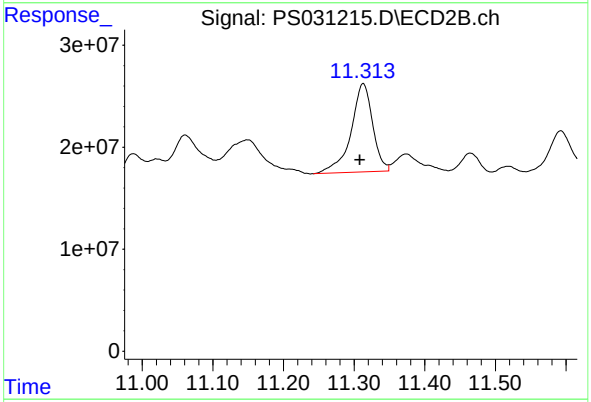
R.T.: 10.907 min
Delta R.T.: -0.015 min
Response: -15864374
Conc: N.D.



#14 DINOSEB

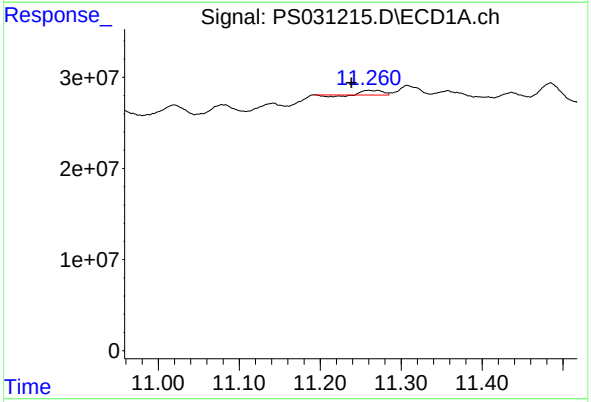
R.T.: 11.436 min
Delta R.T.: 0.010 min
Response: 16694236
Conc: 1.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725



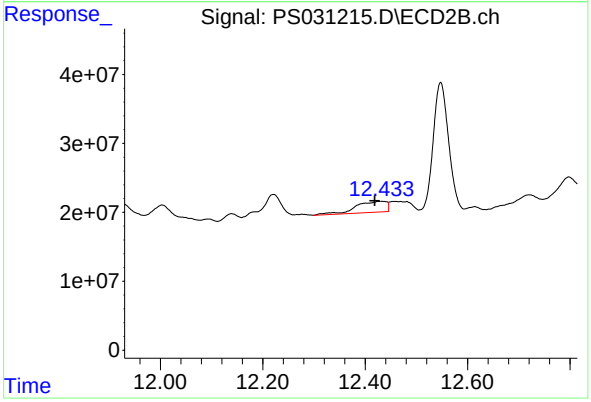
#14 DINOSEB

R.T.: 11.313 min
Delta R.T.: 0.005 min
Response: 184648942
Conc: 16.34 ng/ml



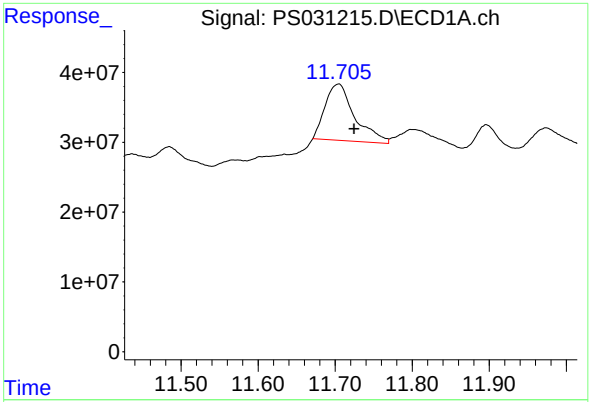
#15 Picloram

R.T.: 11.270 min
Delta R.T.: 0.032 min
Response: 6436285
Conc: N.D.



#15 Picloram

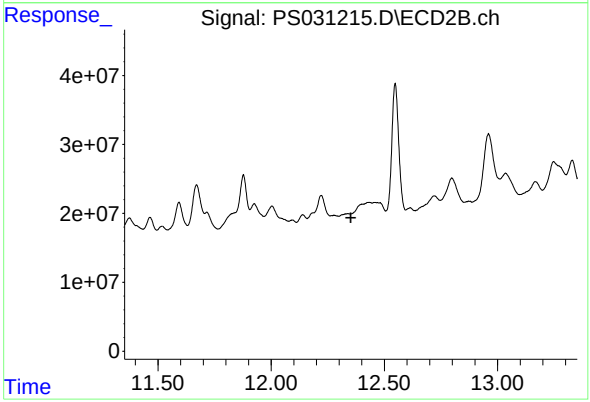
R.T.: 12.431 min
Delta R.T.: 0.012 min
Response: 66325974
Conc: 2.66 ng/ml



#16 DCPA

R.T.: 11.704 min
Delta R.T.: -0.020 min
Response: 214966589
Conc: 7.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-42-071725



#16 DCPA

R.T.: 0.000 min
Exp R.T. : 12.352 min
Response: 0
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:52
Operator : AR\AJ
Sample : Q2639-11
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 03:34:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
4)	S	2,4-DCAA	7.316	7.769	304.2E6	126.2E6	69.963	124.296	#
		Target Compounds							
1)	T	Dalapon	0.000	2.679	0	1786.0E6	N.D.	629.592	
2)	T	3,5-DICHL...	6.516f	6.682f	11085077	42442339	2.007	27.562	#
3)	T	4-Nitroph...	7.084f	7.317	32564523	124.6E6	19.751	68.873	#
5)	T	DICAMBA	7.512	7.969	32276371	16916071	1.957	2.621	#
6)	T	MCPP	0.000	8.069	0	263.7E6	N.D.	126.922	
7)	T	MCPA	7.853	8.316	76244124	70427088	6.093	22.321	#
8)	T	DICHLORPROP	8.260f	8.658f	295.3E6	22625117	77.262	14.935	#
9)	T	2,4-D	8.433	9.007	91082334	-2365207	24.387	N.D.	#
10)	T	Pentachlo...	8.779	9.531	938132	34210450	<MDL	<MDL	#
11)	T	2,4,5-TP ...	9.380f	9.894f	10260126	234.1E6	<MDL	15.715	#
12)	T	2,4,5-T	9.635	10.339	2435851	675.7E6	<MDL	47.517	#
13)	T	2,4-DB	10.233	10.907	302.3E6	26386057	101.114	22.542	#
14)	T	DINOSEB	11.437	11.313	23537920	332.7E6	1.512	29.439	#
15)	T	Picloram	11.228	12.412	8245180	47091587	<MDL	1.892	#
16)	T	DCPA	11.703	12.341	140.4E6	2145887	4.894	<MDL	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

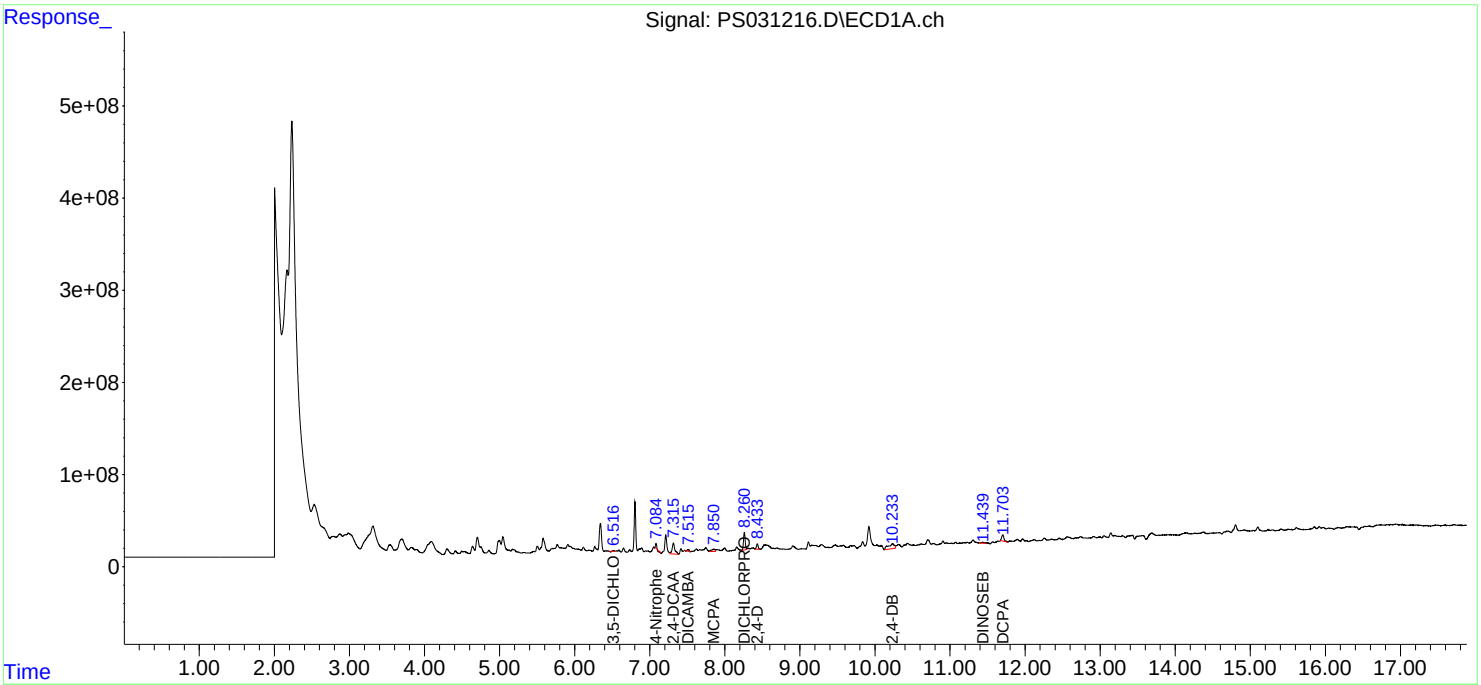
Quantitation Report (Not Reviewed)

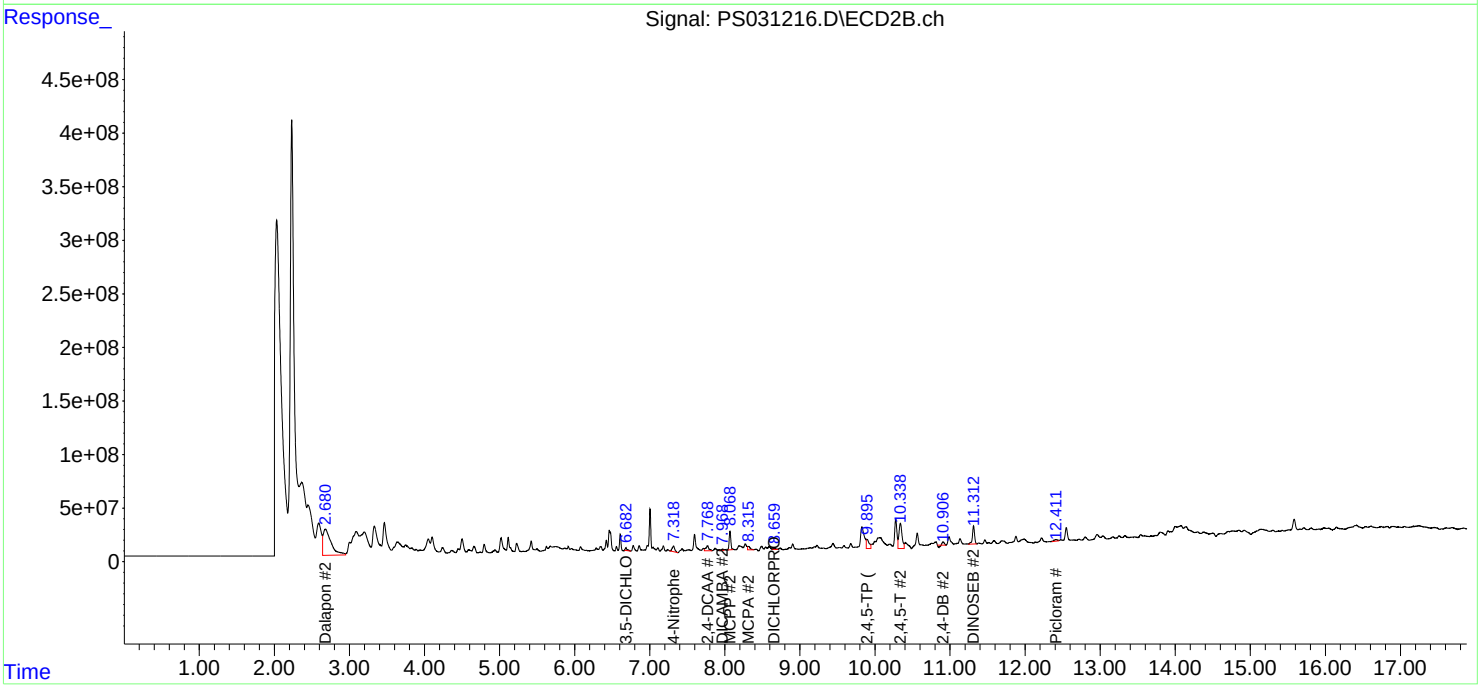
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 00:52
Operator : AR\AJ
Sample : Q2639-11
Misc :
ALS Vial : 33 Sample Multiplier: 1

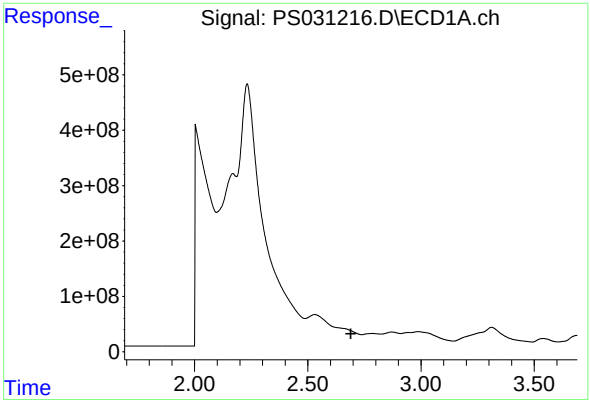
Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 03:34:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



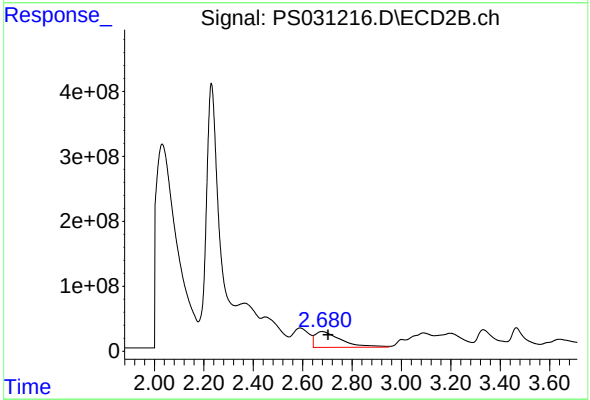




#1 Dalapon

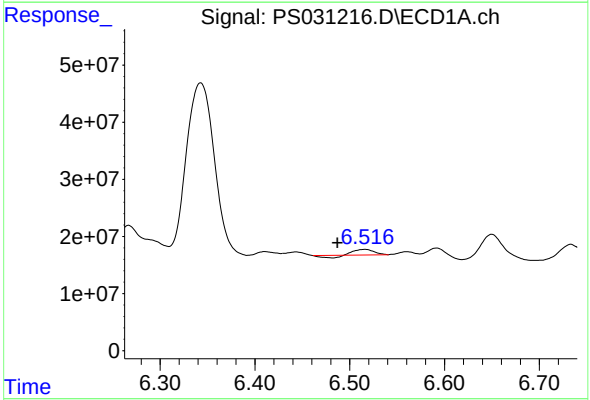
R.T.: 0.000 min
Exp R.T. : 2.690 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725



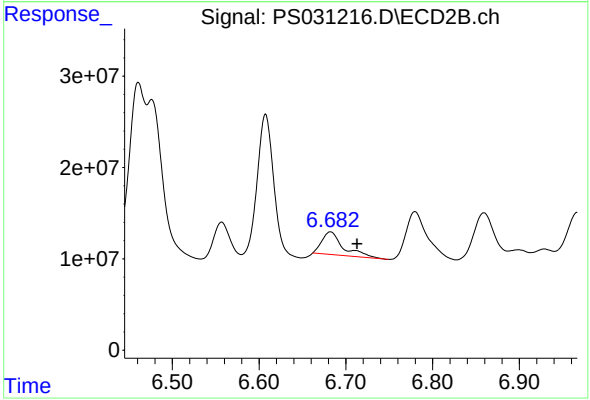
#1 Dalapon

R.T.: 2.679 min
Delta R.T.: -0.024 min
Response: 1785989633
Conc: 629.59 ng/ml



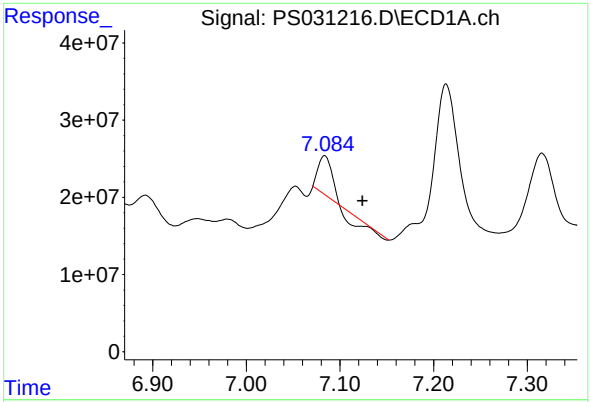
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.516 min
Delta R.T.: 0.029 min
Response: 11085077
Conc: 2.01 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

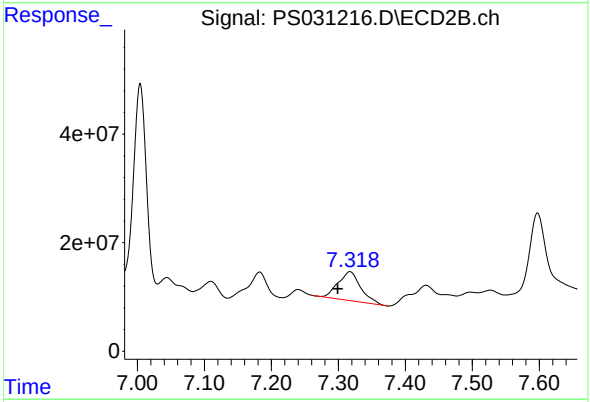
R.T.: 6.682 min
Delta R.T.: -0.031 min
Response: 42442339
Conc: 27.56 ng/ml



#3 4-Nitrophenol

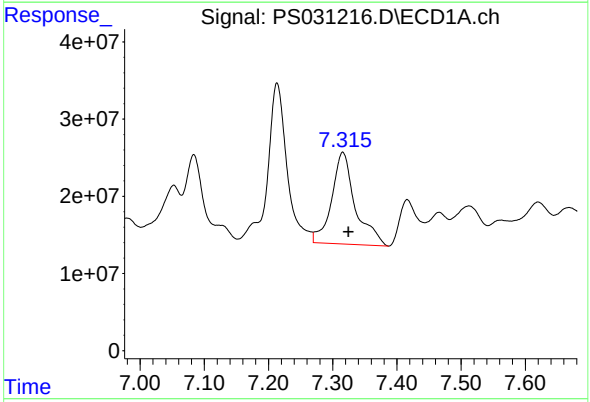
R.T.: 7.084 min
Delta R.T.: -0.040 min
Response: 32564523
Conc: 19.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725



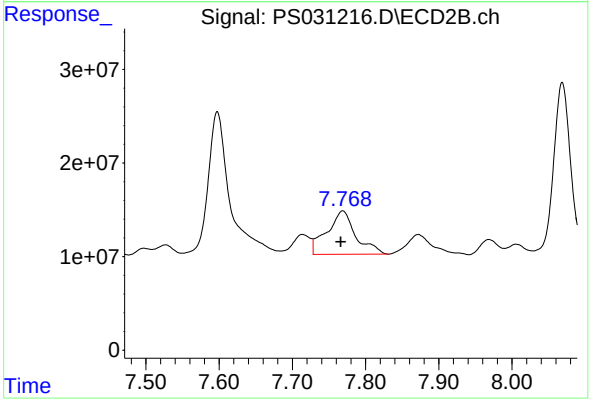
#3 4-Nitrophenol

R.T.: 7.317 min
Delta R.T.: 0.018 min
Response: 124613617
Conc: 68.87 ng/ml



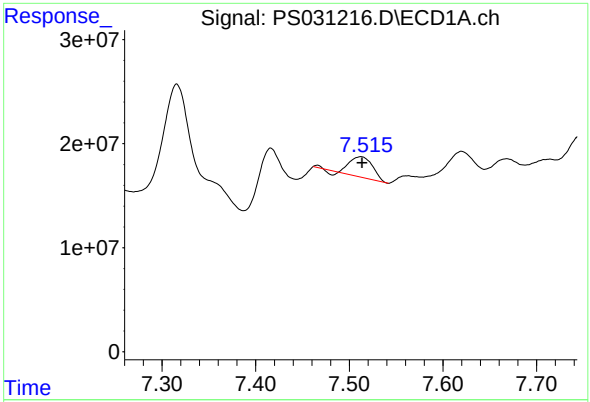
#4 2,4-DCAA

R.T.: 7.316 min
Delta R.T.: -0.009 min
Response: 304215140
Conc: 69.96 ng/ml



#4 2,4-DCAA

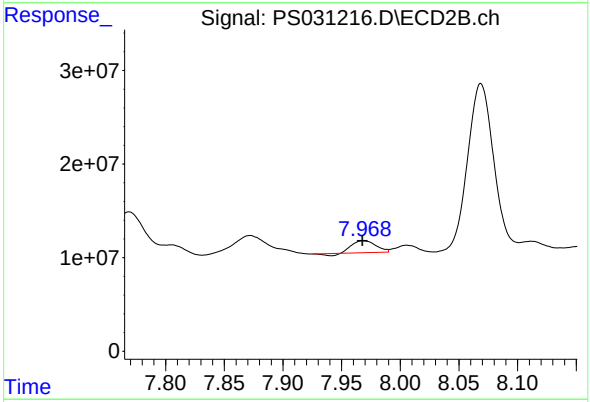
R.T.: 7.769 min
Delta R.T.: 0.003 min
Response: 126156927
Conc: 124.30 ng/ml



#5 DICAMBA

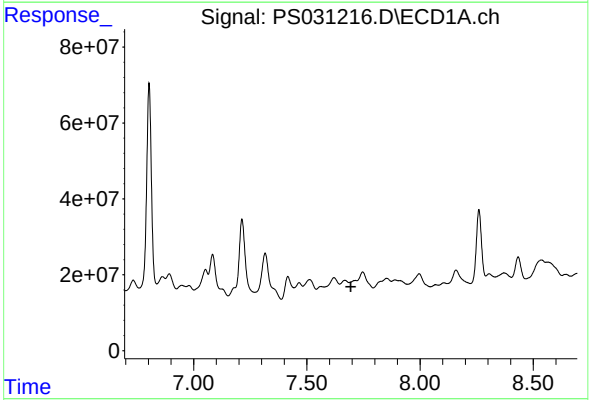
R.T.: 7.512 min
Delta R.T.: -0.001 min
Response: 32276371
Conc: 1.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725



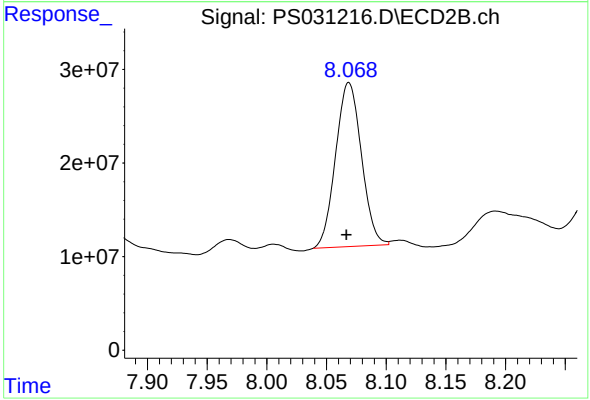
#5 DICAMBA

R.T.: 7.969 min
Delta R.T.: 0.000 min
Response: 16916071
Conc: 2.62 ng/ml



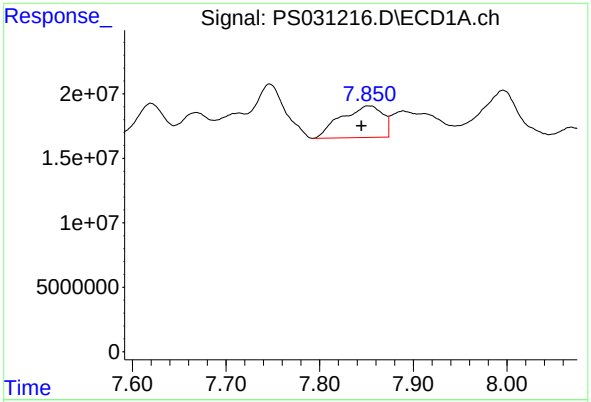
#6 MCPP

R.T.: 0.000 min
Exp R.T. : 7.695 min
Response: 0
Conc: N.D.



#6 MCPP

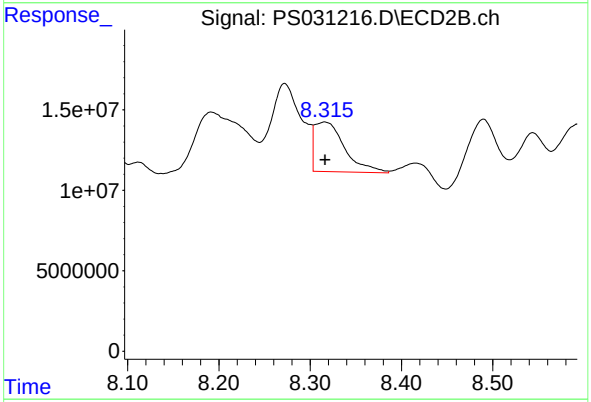
R.T.: 8.069 min
Delta R.T.: 0.002 min
Response: 263719333
Conc: 126.92 ug/ml



#7 MCPA

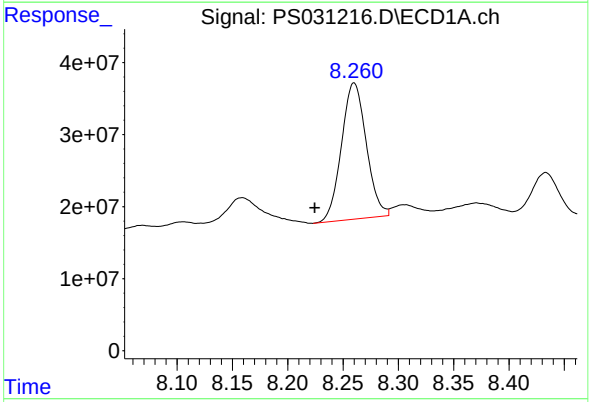
R.T.: 7.853 min
Delta R.T.: 0.008 min
Response: 76244124
Conc: 6.09 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725



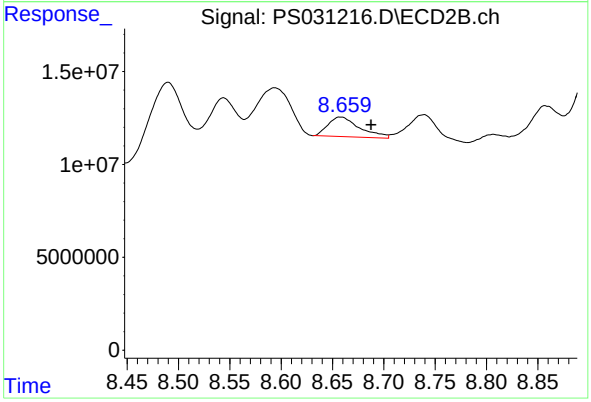
#7 MCPA

R.T.: 8.316 min
Delta R.T.: 0.000 min
Response: 70427088
Conc: 22.32 ug/ml



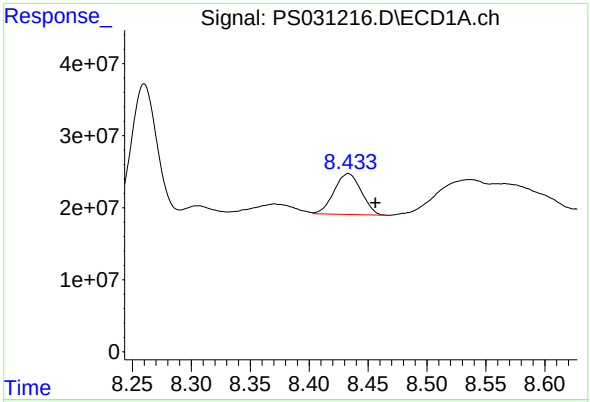
#8 DICHLORPROP

R.T.: 8.260 min
Delta R.T.: 0.036 min
Response: 295291359
Conc: 77.26 ng/ml



#8 DICHLORPROP

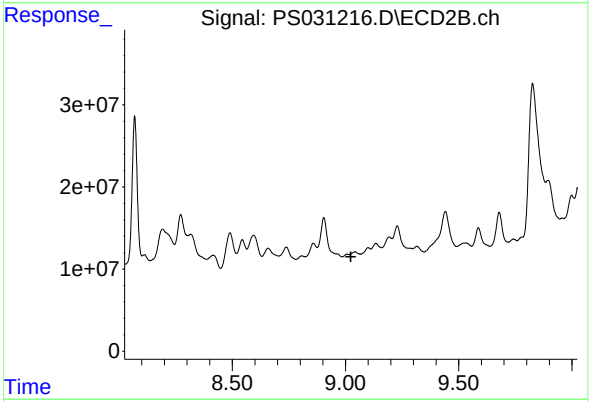
R.T.: 8.658 min
Delta R.T.: -0.030 min
Response: 22625117
Conc: 14.94 ng/ml



#9 2,4-D

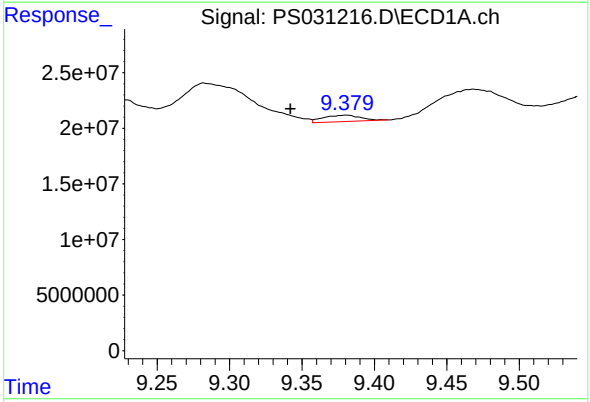
R.T.: 8.433 min
Delta R.T.: -0.023 min
Response: 91082334
Conc: 24.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725



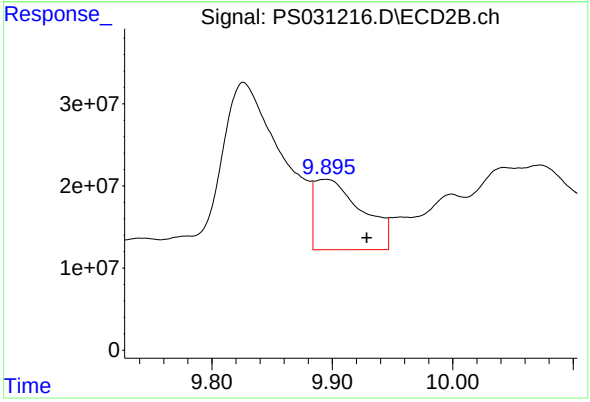
#9 2,4-D

R.T.: 9.007 min
Delta R.T.: -0.017 min
Response: -2365207
Conc: N.D.



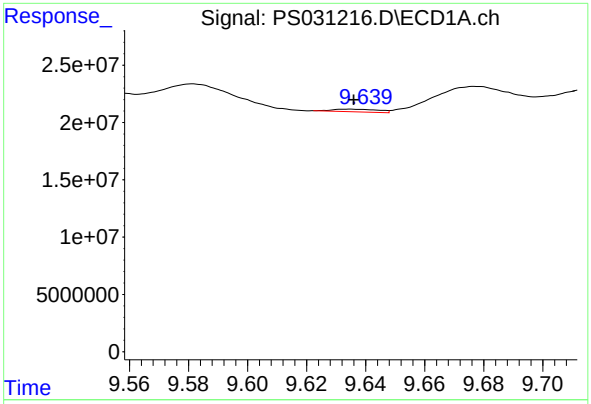
#11 2,4,5-TP (SILVEX)

R.T.: 9.380 min
Delta R.T.: 0.038 min
Response: 10260126
Conc: N.D.



#11 2,4,5-TP (SILVEX)

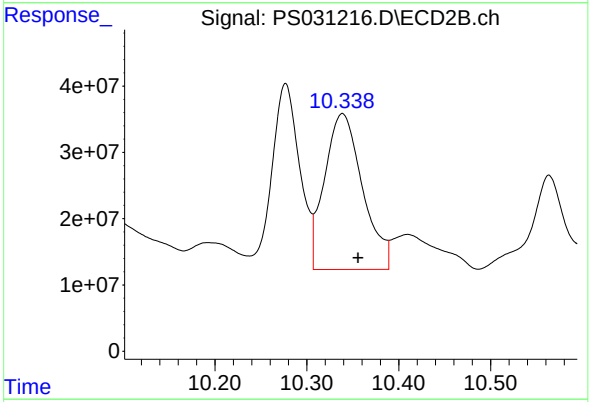
R.T.: 9.894 min
Delta R.T.: -0.034 min
Response: 234055333
Conc: 15.71 ng/ml



#12 2,4,5-T

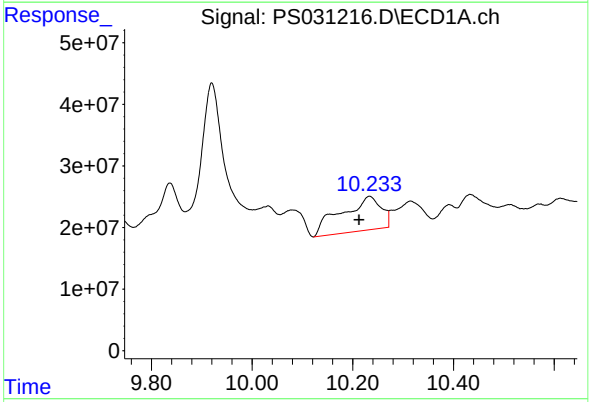
R.T.: 9.635 min
Delta R.T.: -0.001 min
Response: 2435851
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725



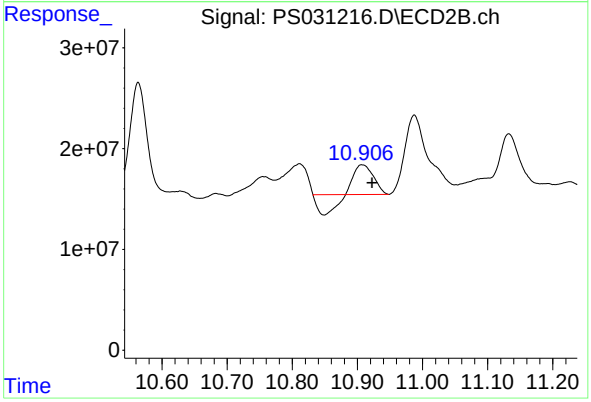
#12 2,4,5-T

R.T.: 10.339 min
Delta R.T.: -0.017 min
Response: 675662549
Conc: 47.52 ng/ml



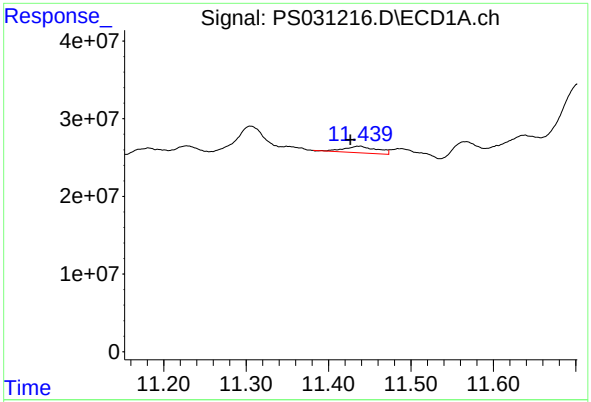
#13 2,4-DB

R.T.: 10.233 min
Delta R.T.: 0.021 min
Response: 302320072
Conc: 101.11 ng/ml



#13 2,4-DB

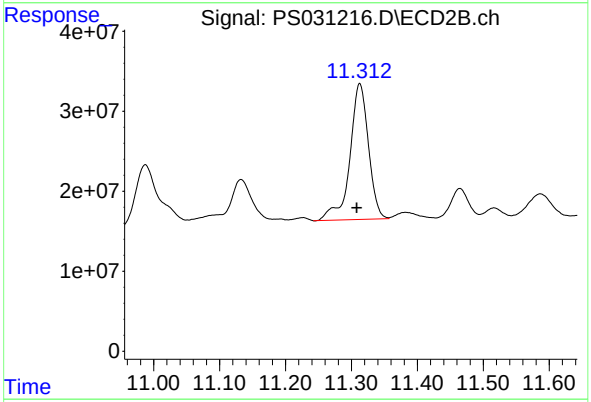
R.T.: 10.907 min
Delta R.T.: -0.015 min
Response: 26386057
Conc: 22.54 ng/ml



#14 DINOSEB

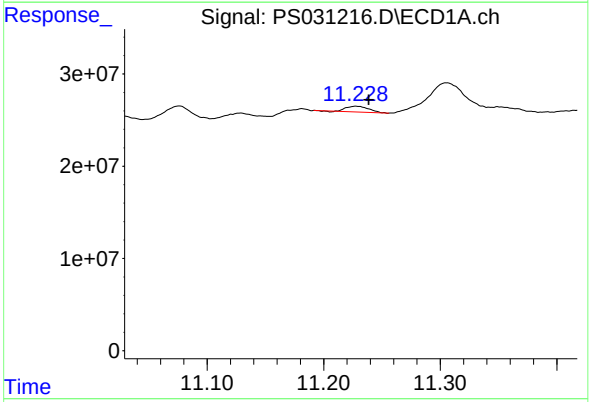
R.T.: 11.437 min
Delta R.T.: 0.010 min
Response: 23537920
Conc: 1.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725



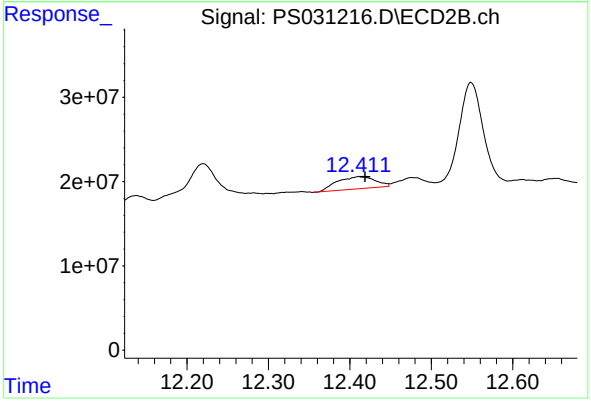
#14 DINOSEB

R.T.: 11.313 min
Delta R.T.: 0.005 min
Response: 332718925
Conc: 29.44 ng/ml



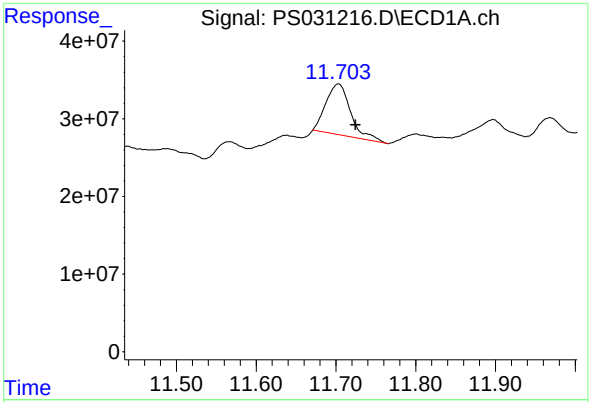
#15 Picloram

R.T.: 11.228 min
Delta R.T.: -0.010 min
Response: 8245180
Conc: N.D.



#15 Picloram

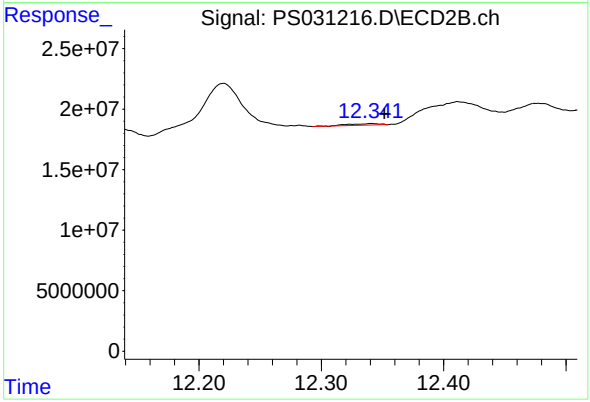
R.T.: 12.412 min
Delta R.T.: -0.006 min
Response: 47091587
Conc: 1.89 ng/ml



#16 DCPA

R.T.: 11.703 min
Delta R.T.: -0.022 min
Response: 140418624
Conc: 4.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-43-071725



#16 DCPA

R.T.: 12.341 min
Delta R.T.: -0.010 min
Response: 2145887
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031217.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 01:17
Operator : AR\AJ
Sample : Q2639-13
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 03:35:18 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	7.318	7.767	372.8E6	184.5E6	85.737	181.784	#
		Target Compounds							
1)	T	Dalapon	0.000	2.674f	0	2066.0E6	N.D.	728.288	
2)	T	3,5-DICHL...	6.503	6.716	1931645	9412051	<MDL	6.112	#
3)	T	4-Nitroph...	7.125	7.317	-30041706	132.0E6	N.D.	72.966	
5)	T	DICAMBA	7.520	7.971	21207158	10950474	1.286	1.697	#
6)	T	MCPP	7.705	8.069	22346736	440.9E6	2.232	212.214	#
7)	T	MCPA	7.853	8.358f	137.4E6	7627573	10.979	2.417	#
8)	T	DICHLORPROP	8.190f	8.693	52195635	14962810	13.657	9.877	#
9)	T	2,4-D	8.473	9.034	20830358	34075827	5.577	20.064	#
10)	T	Pentachlo...	8.797f	9.582f	19446640	105.4E6	<MDL	2.696	#
11)	T	2,4,5-TP ...	0.000	9.897f	0	352.1E6	N.D.	23.642	
12)	T	2,4,5-T	9.604f	10.333	56749532	617.8E6	2.906	43.450	#
13)	T	2,4-DB	10.241f	10.924	408.0E6	197.7E6	136.459	168.888	
14)	T	DINOSEB	11.429	11.312	21565028	343.3E6	1.385	30.372	#
15)	T	Picloram	11.228	12.384f	-5661215	12143513	N.D.	<MDL	
16)	T	DCPA	11.750f	12.346	8775191	1245209	<MDL	<MDL	#

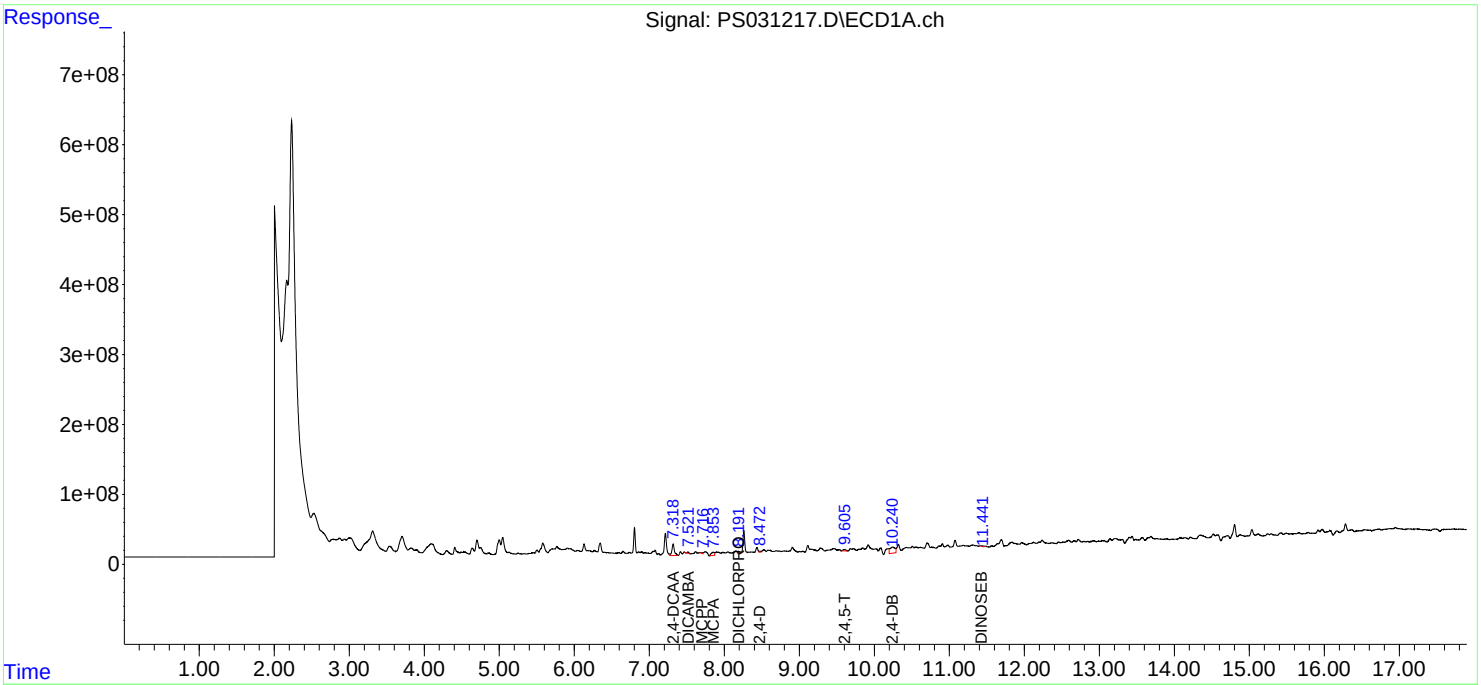
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

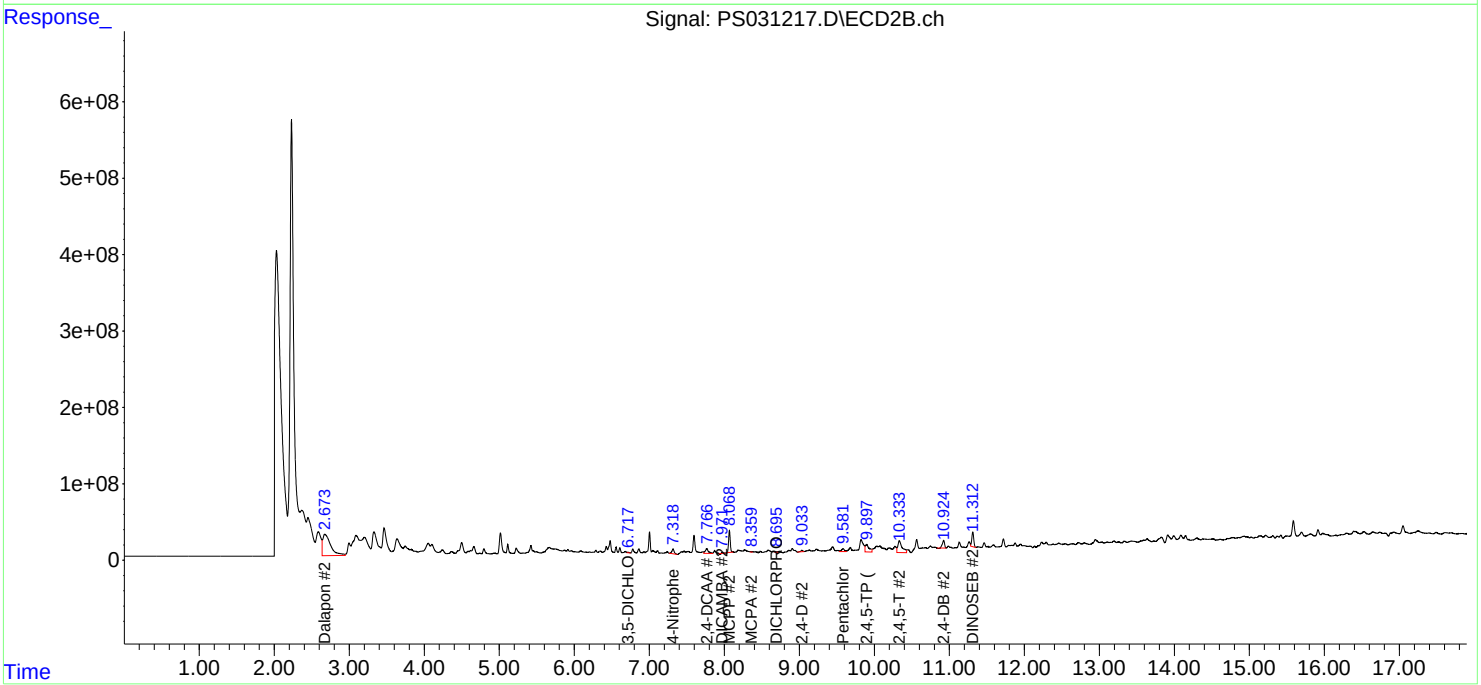
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031217.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 01:17
Operator : AR\AJ
Sample : Q2639-13
Misc :
ALS Vial : 34 Sample Multiplier: 1

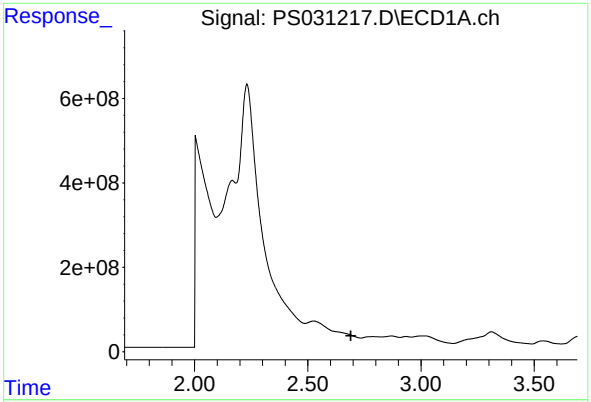
Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 03:35:18 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



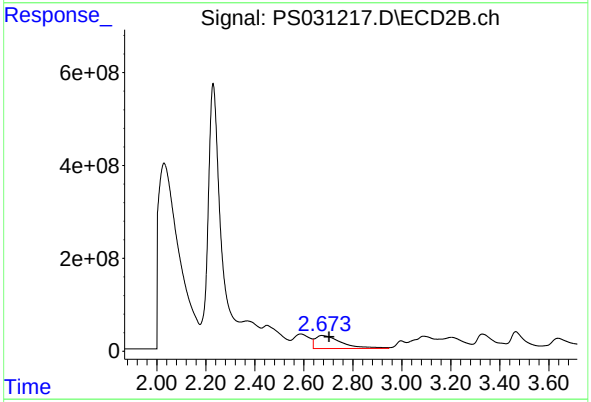




#1 Dalapon

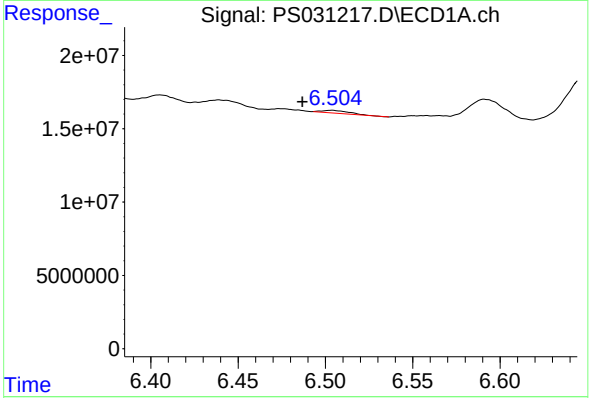
R.T.: 0.000 min
Exp R.T. : 2.690 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725



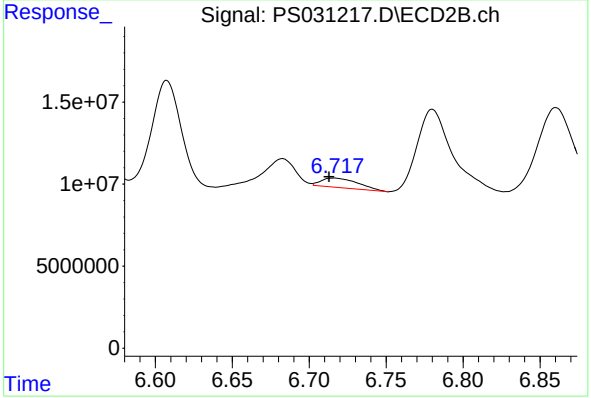
#1 Dalapon

R.T.: 2.674 min
Delta R.T.: -0.030 min
Response: 2065964252
Conc: 728.29 ng/ml



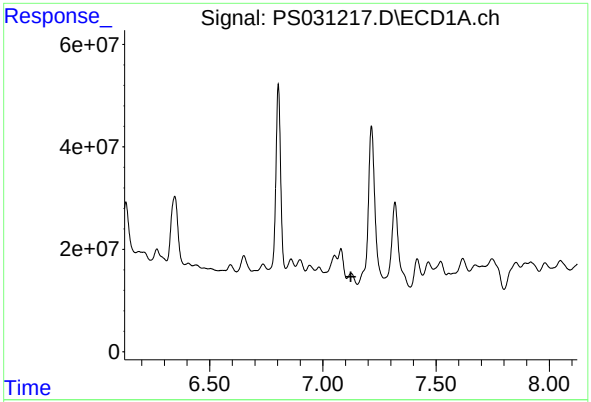
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.503 min
Delta R.T.: 0.016 min
Response: 1931645
Conc: N.D.



#2 3,5-DICHLOROBENZOIC ACID

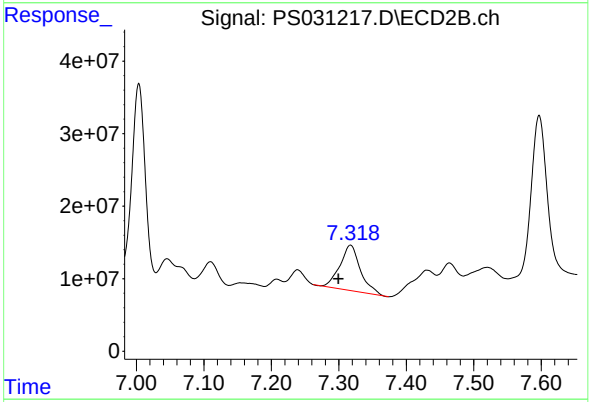
R.T.: 6.716 min
Delta R.T.: 0.003 min
Response: 9412051
Conc: 6.11 ng/ml



#3 4-Nitrophenol

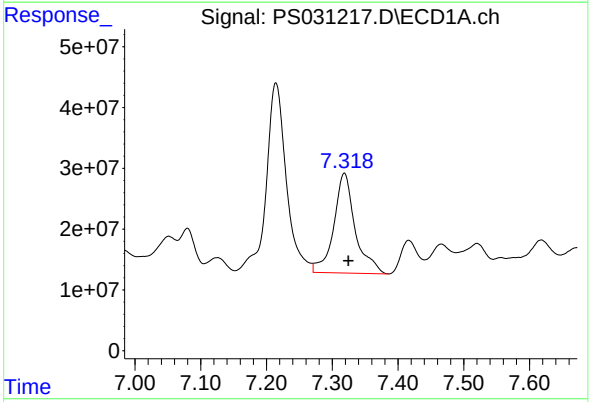
R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: -30041706
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725



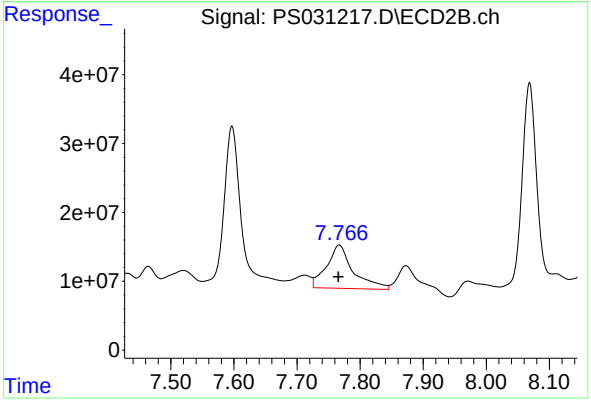
#3 4-Nitrophenol

R.T.: 7.317 min
Delta R.T.: 0.018 min
Response: 132018185
Conc: 72.97 ng/ml



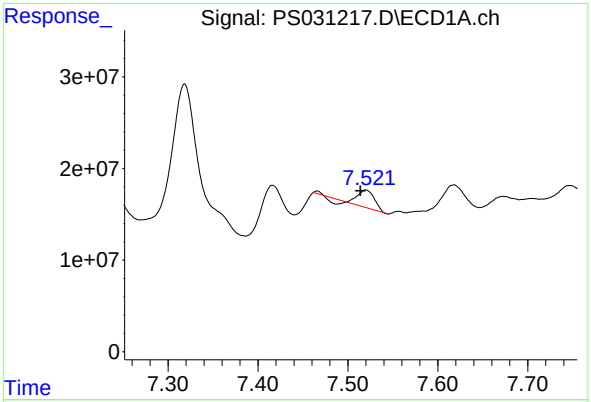
#4 2,4-DCAA

R.T.: 7.318 min
Delta R.T.: -0.006 min
Response: 372808212
Conc: 85.74 ng/ml



#4 2,4-DCAA

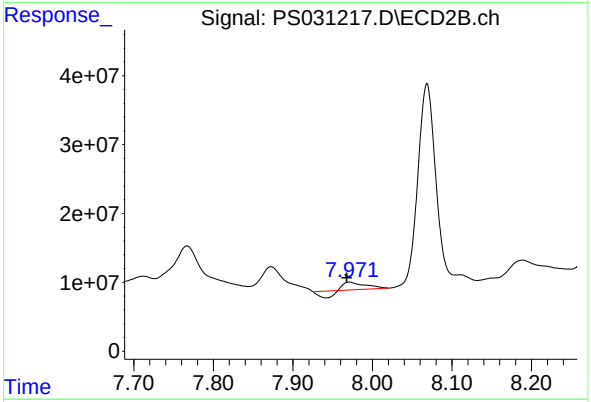
R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 184504646
Conc: 181.78 ng/ml



#5 DICAMBA

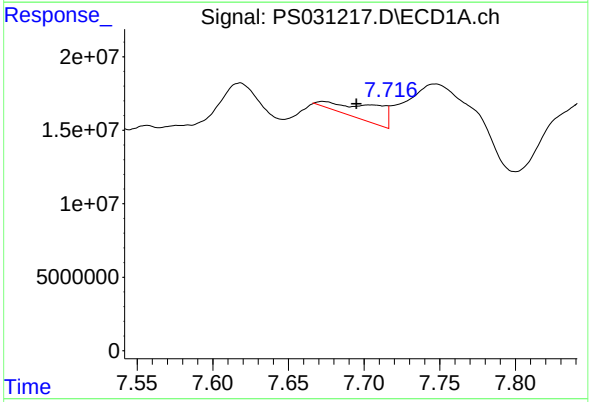
R.T.: 7.520 min
Delta R.T.: 0.006 min
Response: 21207158
Conc: 1.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725



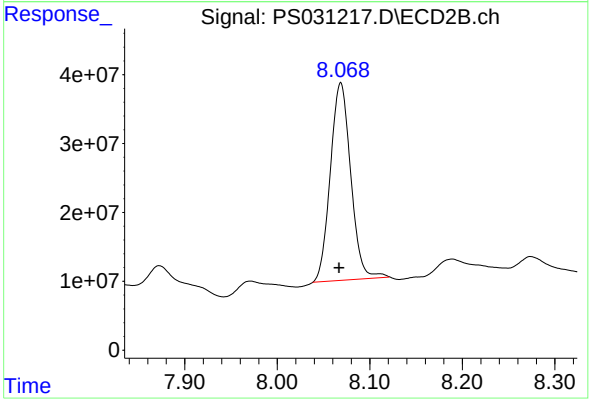
#5 DICAMBA

R.T.: 7.971 min
Delta R.T.: 0.003 min
Response: 10950474
Conc: 1.70 ng/ml



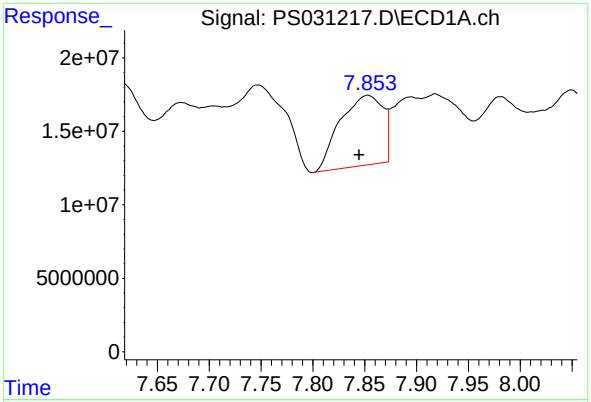
#6 MCPP

R.T.: 7.705 min
Delta R.T.: 0.010 min
Response: 22346736
Conc: 2.23 ug/ml



#6 MCPP

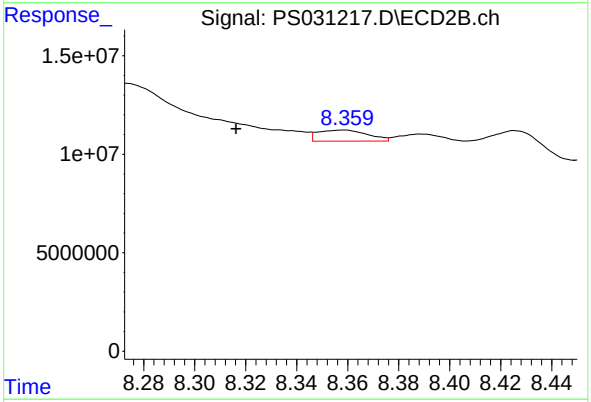
R.T.: 8.069 min
Delta R.T.: 0.002 min
Response: 440939187
Conc: 212.21 ug/ml



#7 MCPA

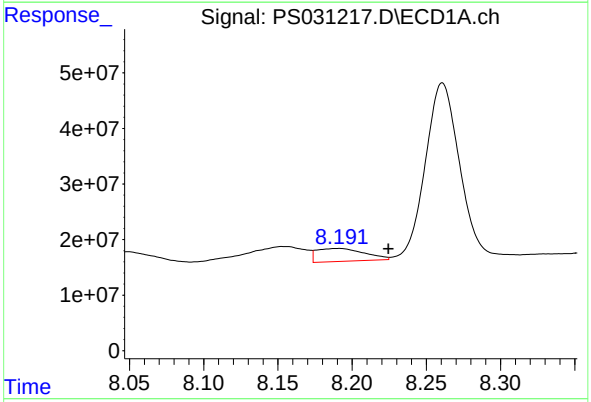
R.T.: 7.853 min
Delta R.T.: 0.008 min
Response: 137396579
Conc: 10.98 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725



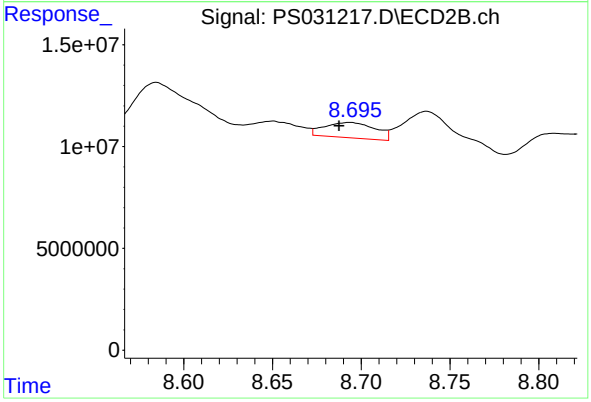
#7 MCPA

R.T.: 8.358 min
Delta R.T.: 0.041 min
Response: 7627573
Conc: 2.42 ug/ml



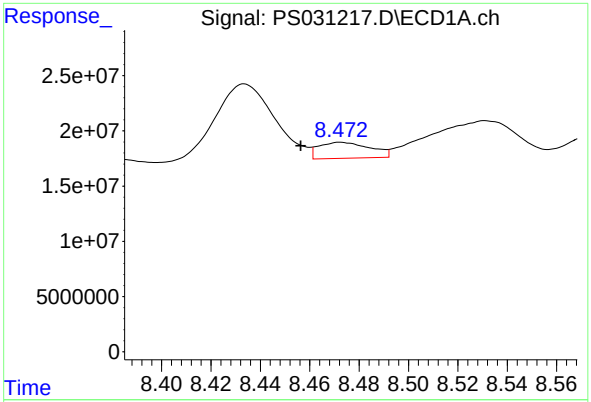
#8 DICHLORPROP

R.T.: 8.190 min
Delta R.T.: -0.034 min
Response: 52195635
Conc: 13.66 ng/ml



#8 DICHLORPROP

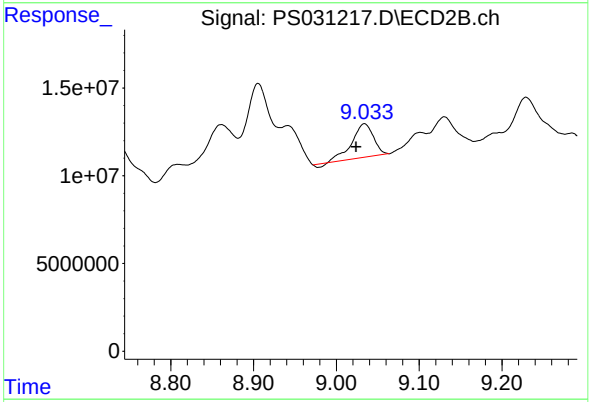
R.T.: 8.693 min
Delta R.T.: 0.006 min
Response: 14962810
Conc: 9.88 ng/ml



#9 2,4-D

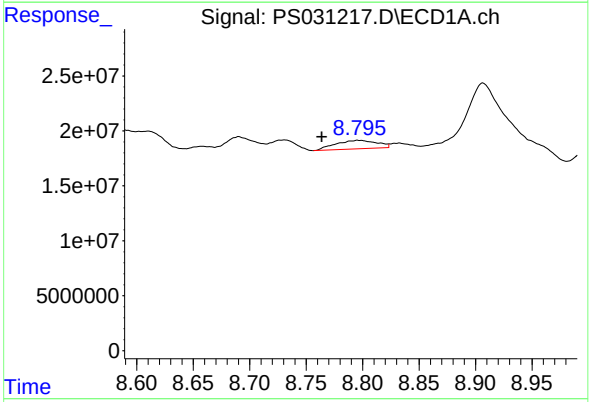
R.T.: 8.473 min
Delta R.T.: 0.016 min
Response: 20830358
Conc: 5.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725



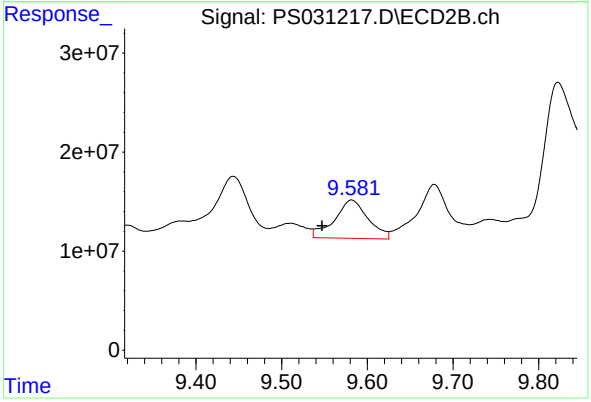
#9 2,4-D

R.T.: 9.034 min
Delta R.T.: 0.010 min
Response: 34075827
Conc: 20.06 ng/ml



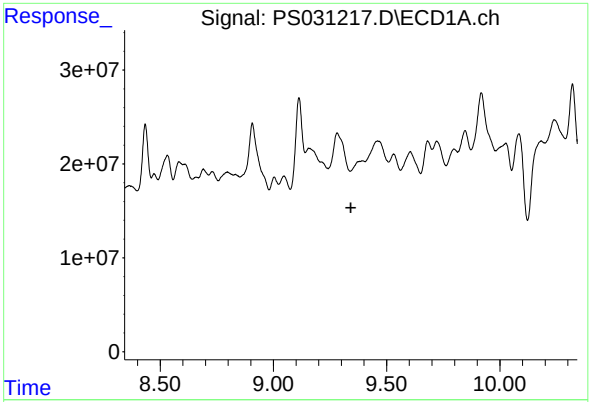
#10 Pentachlorophenol

R.T.: 8.797 min
Delta R.T.: 0.033 min
Response: 19446640
Conc: N.D.



#10 Pentachlorophenol

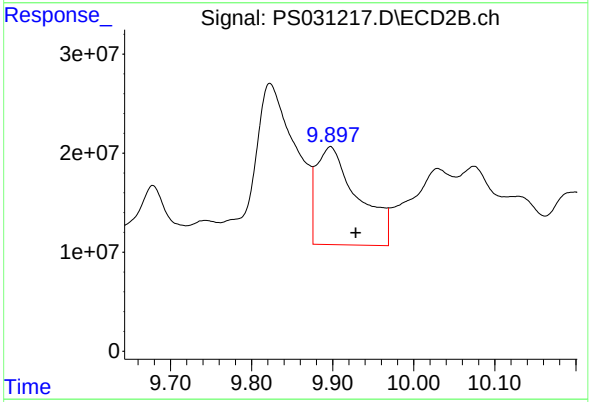
R.T.: 9.582 min
Delta R.T.: 0.035 min
Response: 105380001
Conc: 2.70 ng/ml



#11 2,4,5-TP (SILVEX)

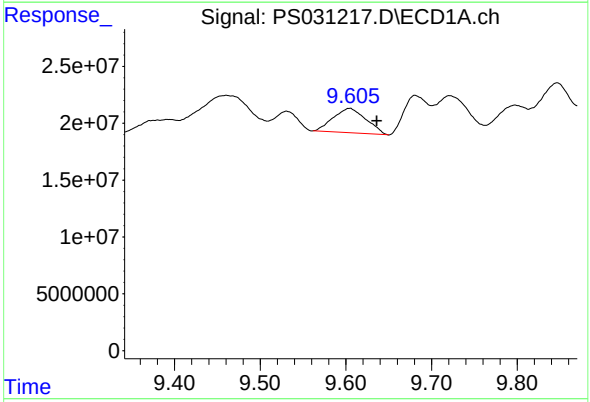
R.T.: 0.000 min
Exp R.T. : 9.342 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725



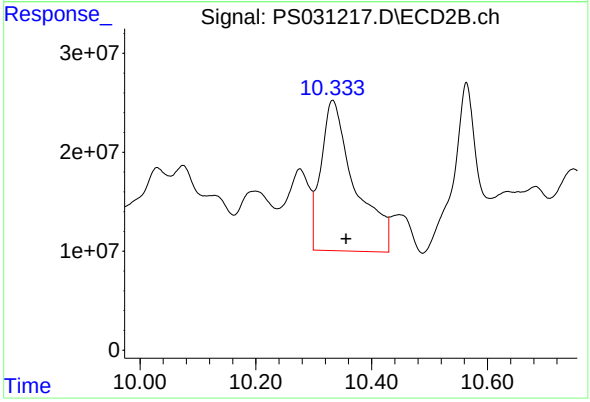
#11 2,4,5-TP (SILVEX)

R.T.: 9.897 min
Delta R.T.: -0.031 min
Response: 352133058
Conc: 23.64 ng/ml



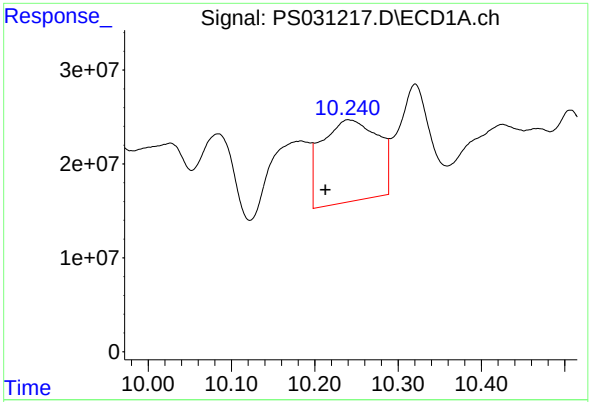
#12 2,4,5-T

R.T.: 9.604 min
Delta R.T.: -0.032 min
Response: 56749532
Conc: 2.91 ng/ml



#12 2,4,5-T

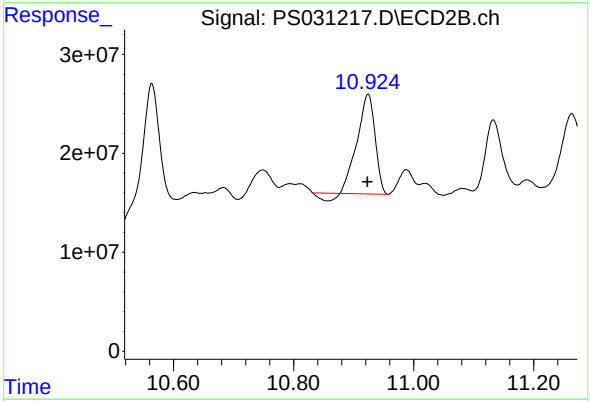
R.T.: 10.333 min
Delta R.T.: -0.023 min
Response: 617835028
Conc: 43.45 ng/ml



#13 2,4-DB

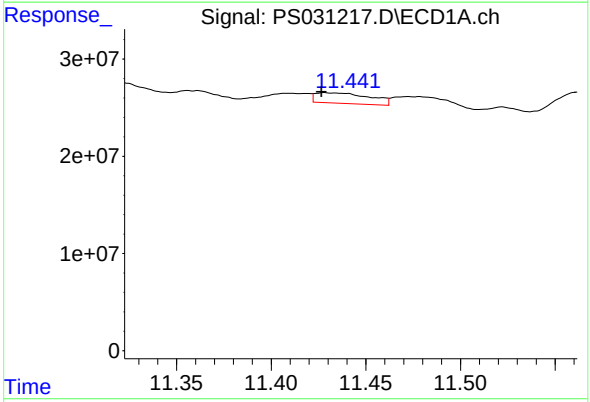
R.T.: 10.241 min
Delta R.T.: 0.028 min
Response: 407996056
Conc: 136.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-44-071725



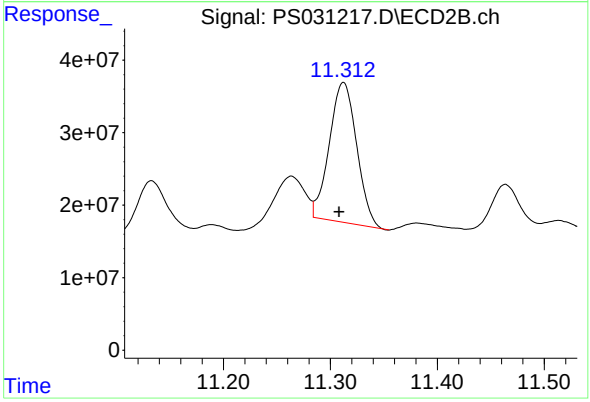
#13 2,4-DB

R.T.: 10.924 min
Delta R.T.: 0.001 min
Response: 197685755
Conc: 168.89 ng/ml



#14 DINOSEB

R.T.: 11.429 min
Delta R.T.: 0.003 min
Response: 21565028
Conc: 1.39 ng/ml



#14 DINOSEB

R.T.: 11.312 min
Delta R.T.: 0.004 min
Response: 343269312
Conc: 30.37 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031219.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 02:05
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 03:36:08 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	3443.1E6	809.3E6	791.828	797.358
		Target Compounds						
1)	T	Dalapon	2.689	2.702	4110.4E6	1926.8E6	655.262	679.239
2)	T	3,5-DICHL...	6.483	6.711	4052.2E6	1129.3E6	733.722	733.394
3)	T	4-Nitroph...	7.119	7.297	1369.5E6	1328.7E6	830.587	734.371
5)	T	DICAMBA	7.510	7.966	12445.1E6	4953.3E6	754.390	767.546
6)	T	MCPP	7.691	8.065	802.9E6	154.9E6	80.213	74.562
7)	T	MCPA	7.841	8.315	991.2E6	230.0E6	79.203	72.895
8)	T	DICHLORPROP	8.220	8.685	2857.7E6	1100.5E6	747.706	726.450
9)	T	2,4-D	8.452	9.021	2966.0E6	1264.9E6	794.134	744.813
10)	T	Pentachlo...	8.761	9.544	43374.8E6	30413.9E6	794.096	778.222
11)	T	2,4,5-TP ...	9.336	9.926	17112.1E6	11305.7E6	779.467	759.070
12)	T	2,4,5-T	9.630	10.352	16287.2E6	10854.5E6	834.054	763.354
13)	T	2,4-DB	10.205	10.920	2694.2E6	887.9E6	901.121	758.522
14)	T	DINOSEB	11.420	11.304	11484.2E6	8327.6E6	737.610	736.819
15)	T	Picloram	11.230	12.413	17966.0E6	19044.1E6	898.003	764.976
16)	T	DCPA	11.717	12.348	22139.1E6	17511.1E6	771.571	760.160

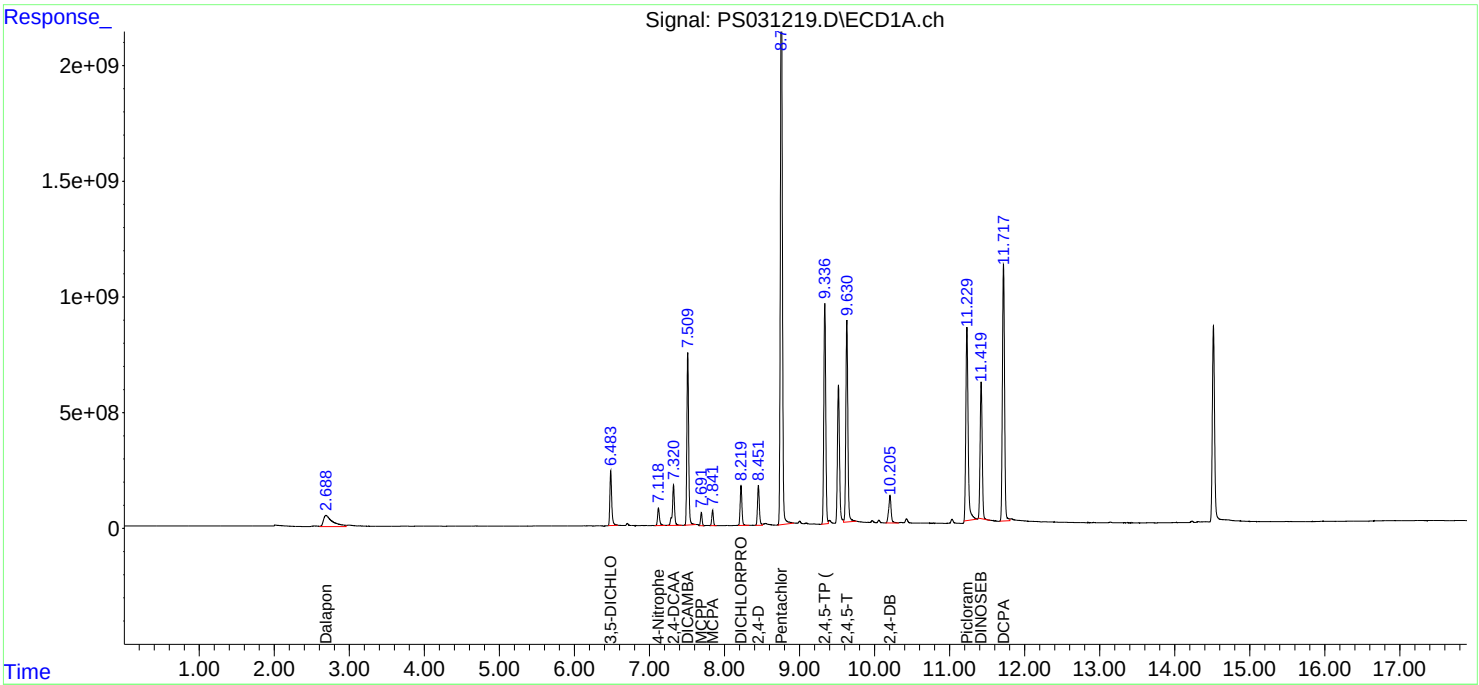
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

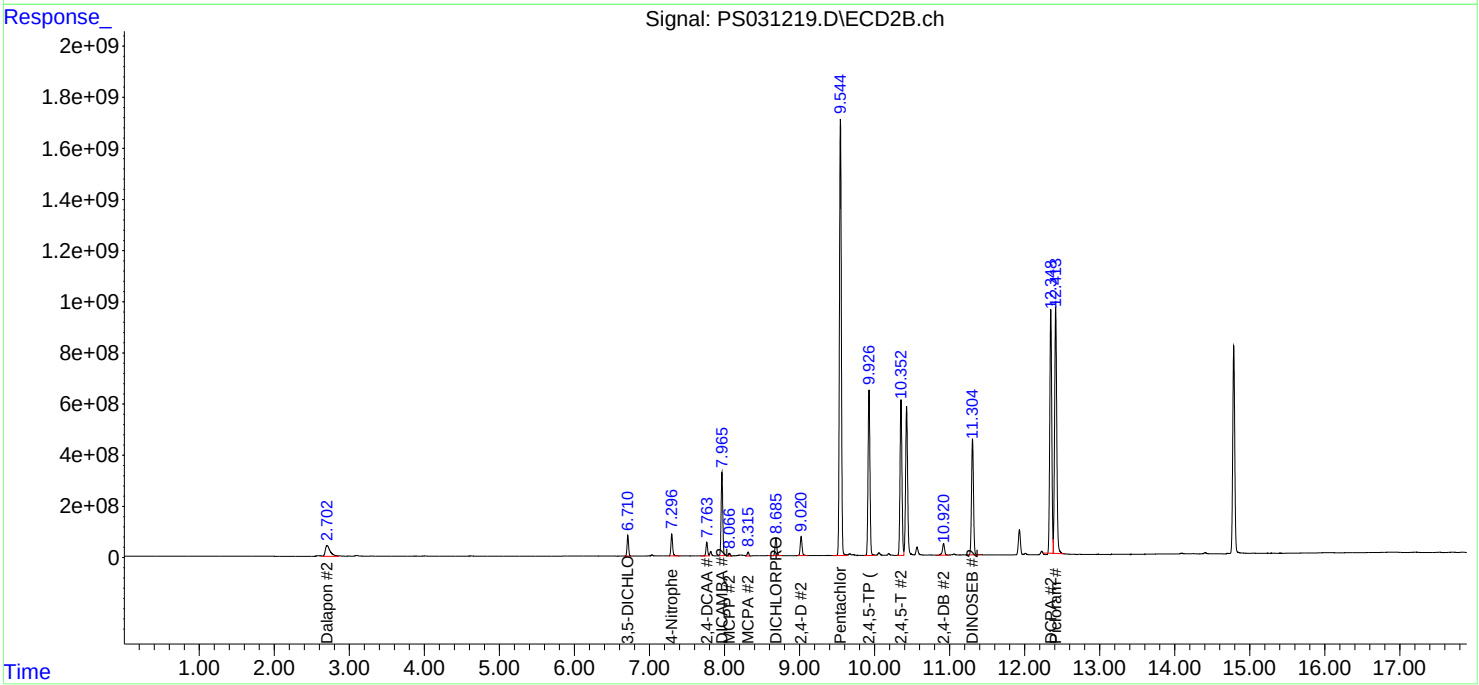
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072325\
Data File : PS031219.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 02:05
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

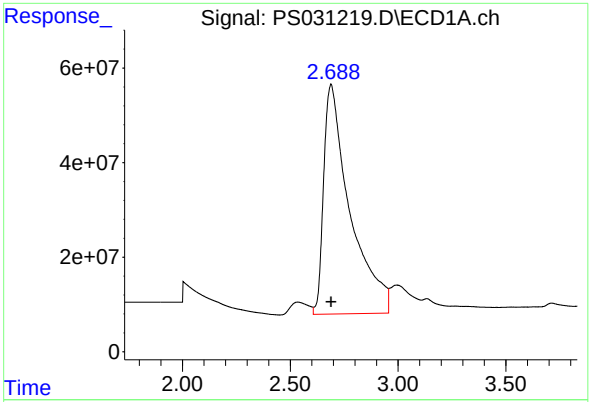
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 03:36:08 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



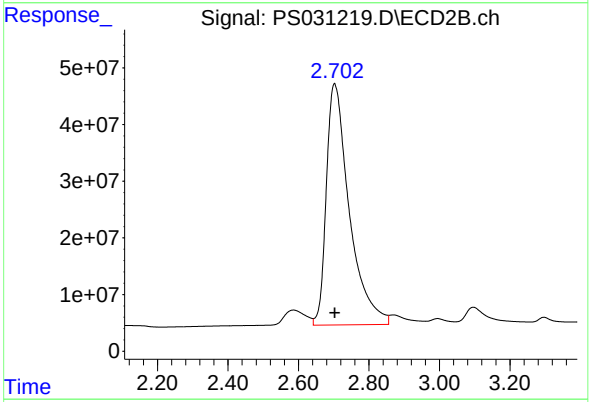




#1 Dalapon

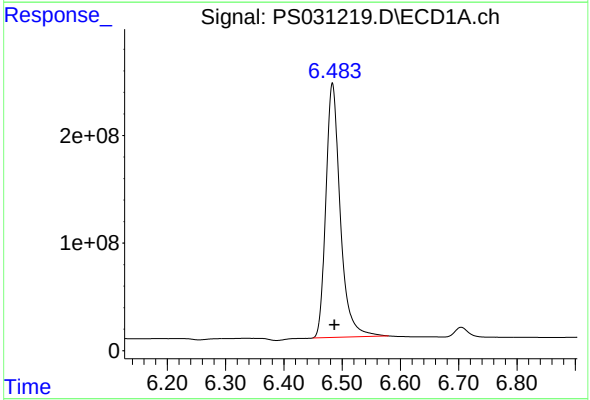
R.T.: 2.689 min
Delta R.T.: -0.001 min
Response: 4110398449
Conc: 655.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



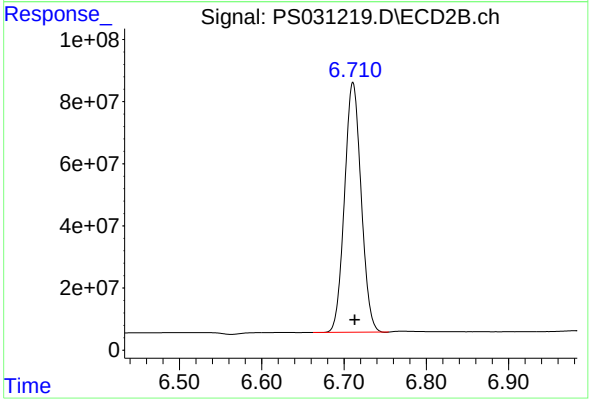
#1 Dalapon

R.T.: 2.702 min
Delta R.T.: -0.001 min
Response: 1926825145
Conc: 679.24 ng/ml



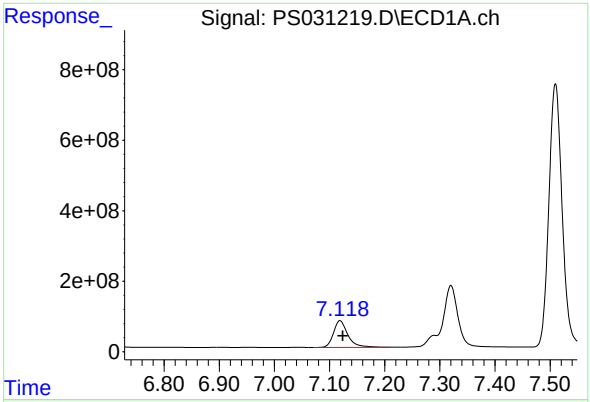
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.003 min
Response: 4052162983
Conc: 733.72 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

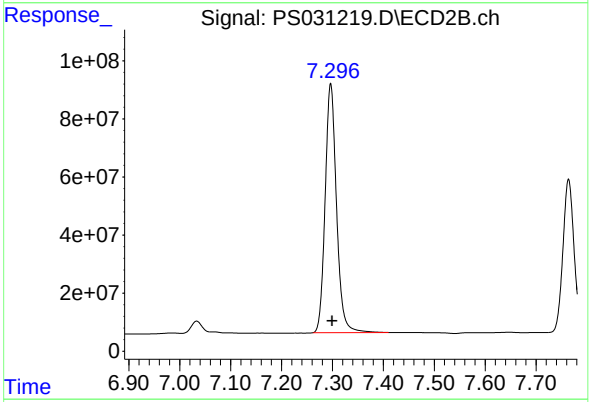
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 1129349969
Conc: 733.39 ng/ml



#3 4-Nitrophenol

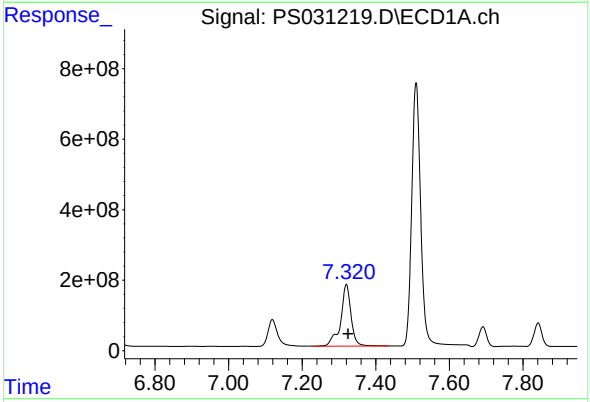
R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 1369459758
Conc: 830.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



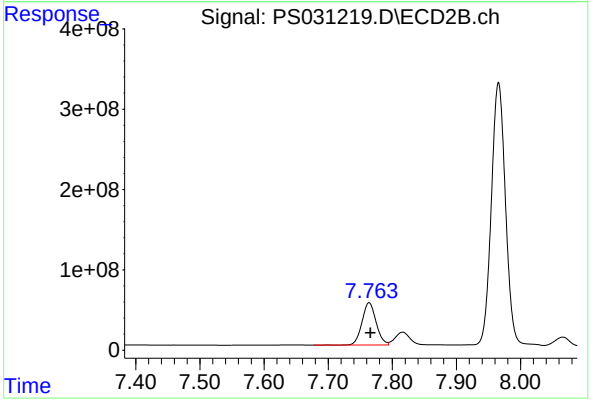
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 1328710053
Conc: 734.37 ng/ml



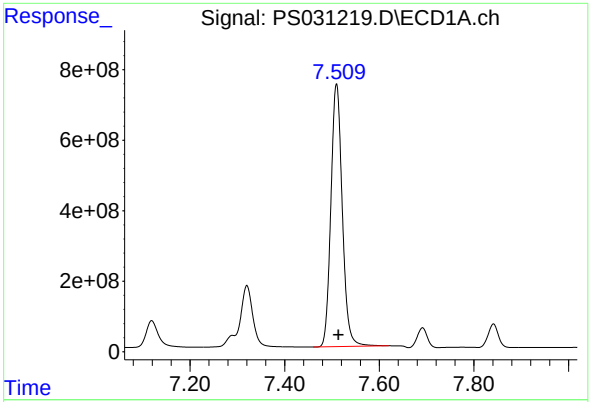
#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.004 min
Response: 3443070210
Conc: 791.83 ng/ml



#4 2,4-DCAA

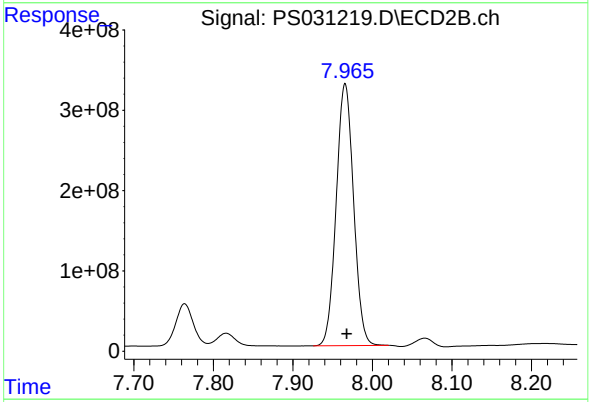
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 809293171
Conc: 797.36 ng/ml



#5 DICAMBA

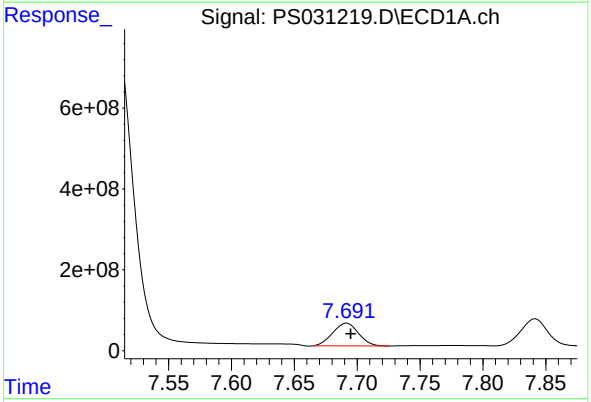
R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 12445137550
Conc: 754.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



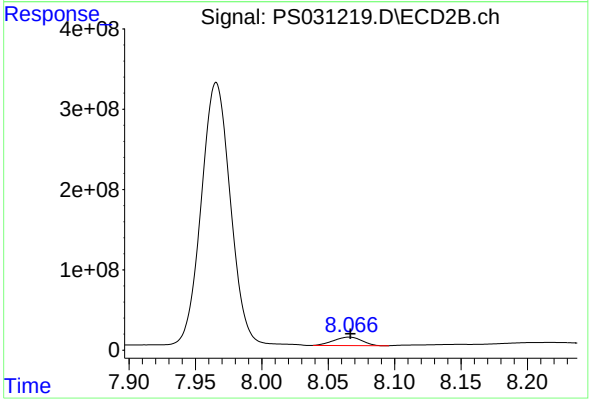
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4953258868
Conc: 767.55 ng/ml



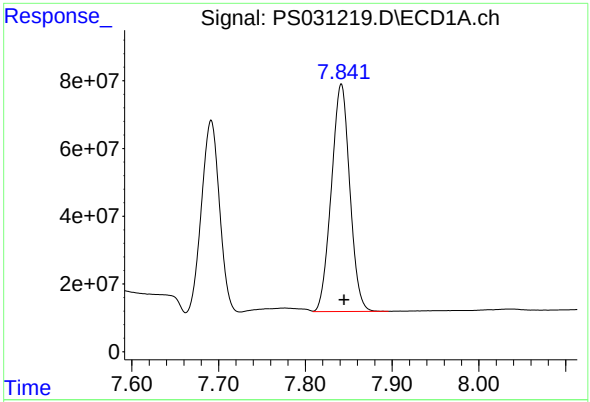
#6 MCPP

R.T.: 7.691 min
Delta R.T.: -0.003 min
Response: 802936330
Conc: 80.21 ug/ml



#6 MCPP

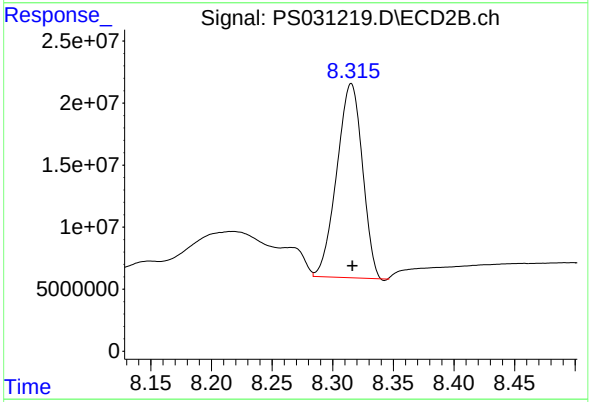
R.T.: 8.065 min
Delta R.T.: -0.001 min
Response: 154924846
Conc: 74.56 ug/ml



#7 MCPA

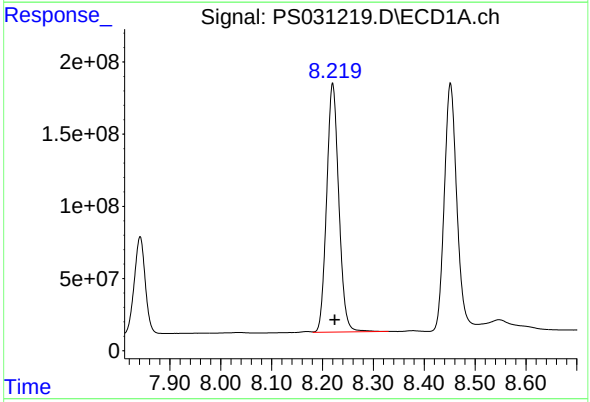
R.T.: 7.841 min
Delta R.T.: -0.003 min
Response: 991163562
Conc: 79.20 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



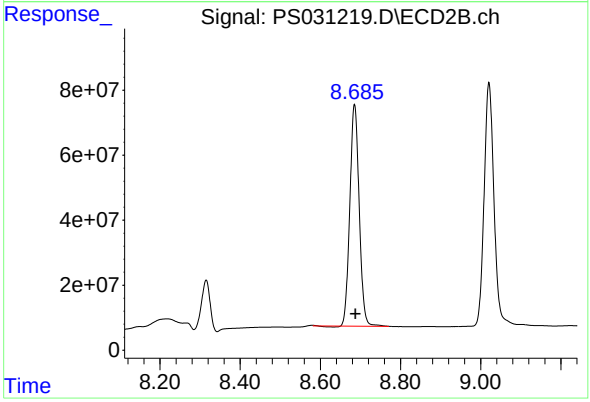
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.001 min
Response: 229998475
Conc: 72.89 ug/ml



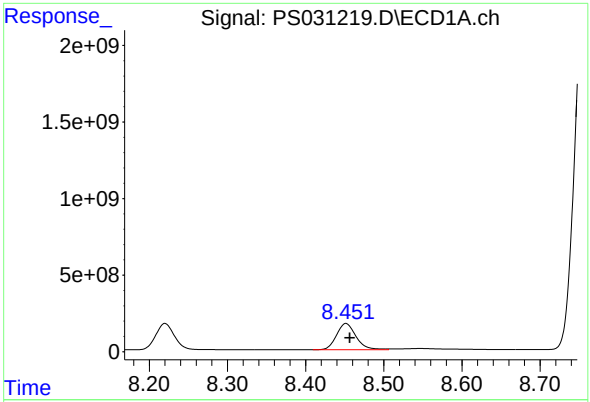
#8 DICHLORPROP

R.T.: 8.220 min
Delta R.T.: -0.005 min
Response: 2857699150
Conc: 747.71 ng/ml



#8 DICHLORPROP

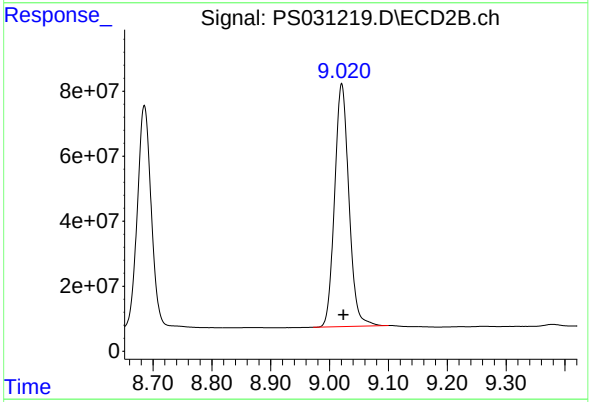
R.T.: 8.685 min
Delta R.T.: -0.002 min
Response: 1100469929
Conc: 726.45 ng/ml



#9 2,4-D

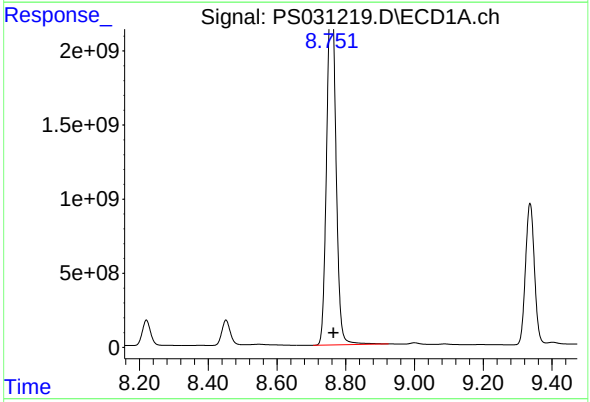
R.T.: 8.452 min
Delta R.T.: -0.005 min
Response: 2966024632
Conc: 794.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



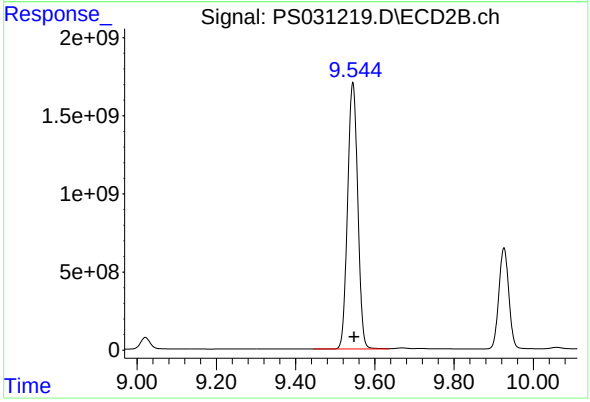
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 1264929968
Conc: 744.81 ng/ml



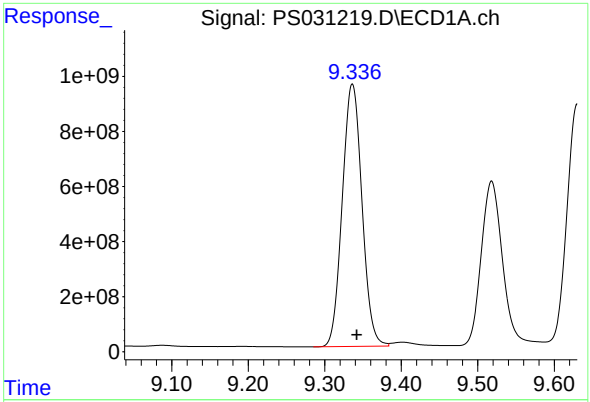
#10 Pentachlorophenol

R.T.: 8.761 min
Delta R.T.: -0.002 min
Response: 43374765785
Conc: 794.10 ng/ml



#10 Pentachlorophenol

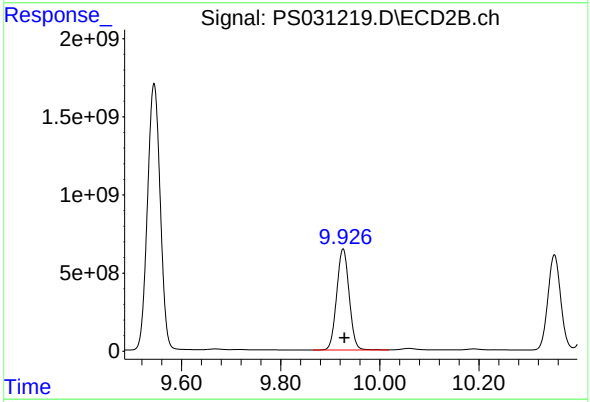
R.T.: 9.544 min
Delta R.T.: -0.003 min
Response: 30413850971
Conc: 778.22 ng/ml



#11 2,4,5-TP (SILVEX)

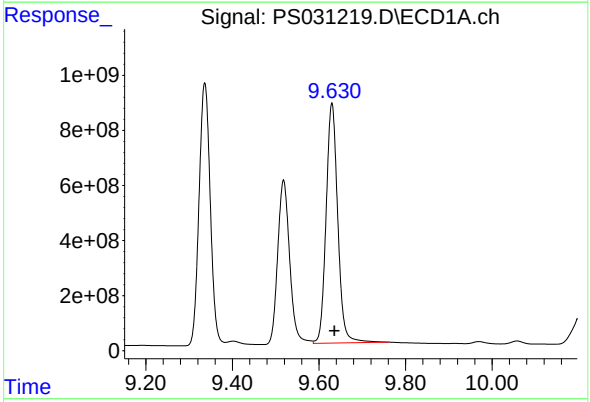
R.T.: 9.336 min
Delta R.T.: -0.006 min
Response: 17112083950
Conc: 779.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



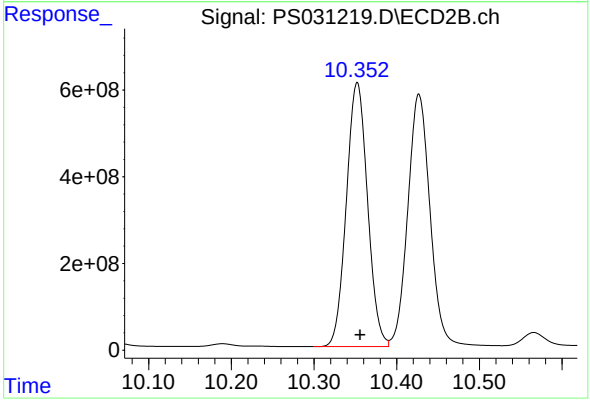
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 11305725990
Conc: 759.07 ng/ml



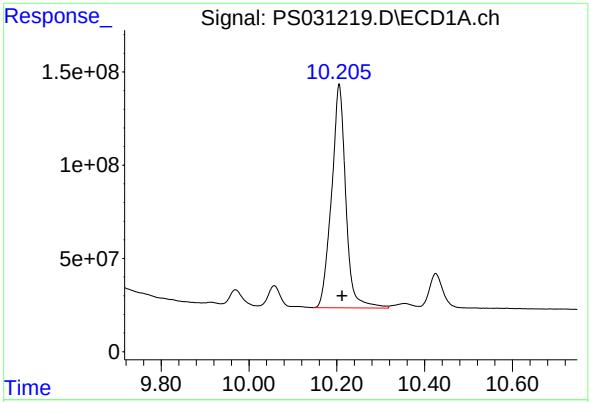
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 16287230964
Conc: 834.05 ng/ml



#12 2,4,5-T

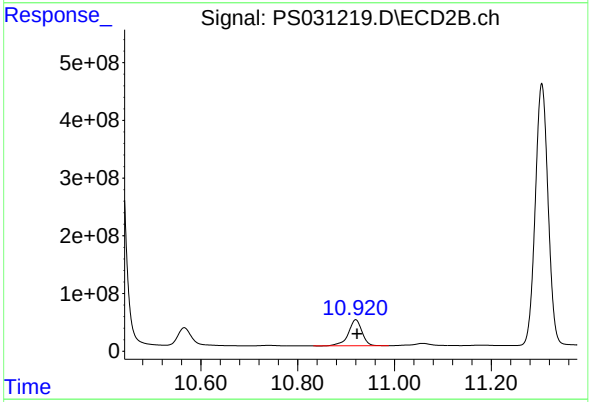
R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 10854477763
Conc: 763.35 ng/ml



#13 2,4-DB

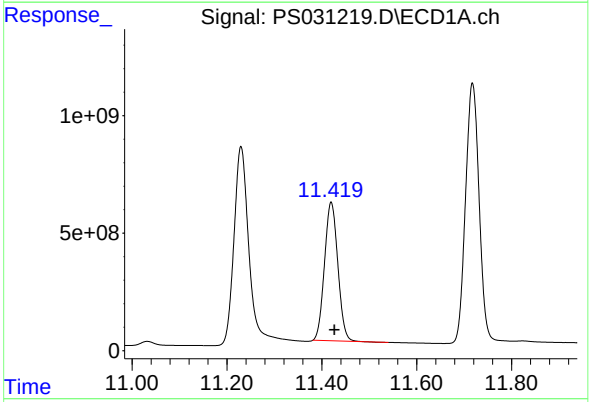
R.T.: 10.205 min
Delta R.T.: -0.007 min
Response: 2694248060
Conc: 901.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



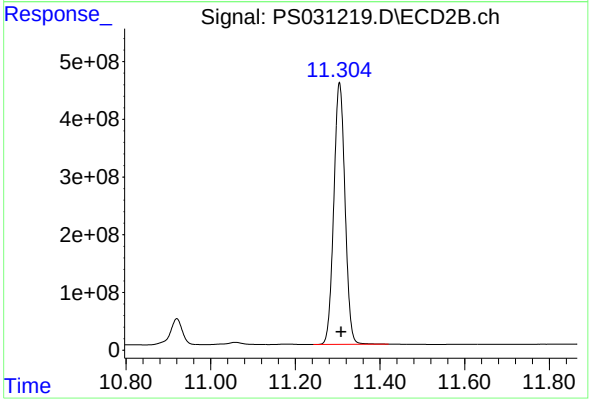
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 887858532
Conc: 758.52 ng/ml



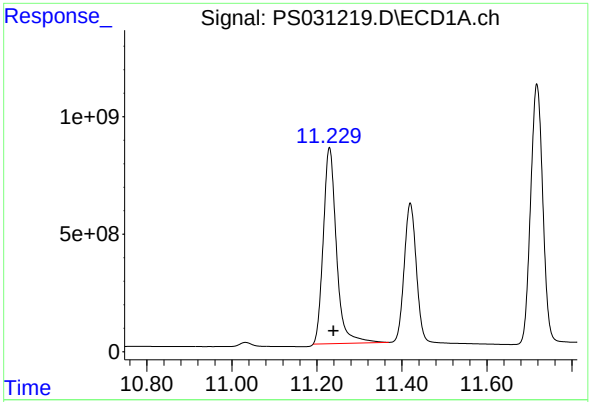
#14 DINOSEB

R.T.: 11.420 min
Delta R.T.: -0.007 min
Response: 11484212918
Conc: 737.61 ng/ml



#14 DINOSEB

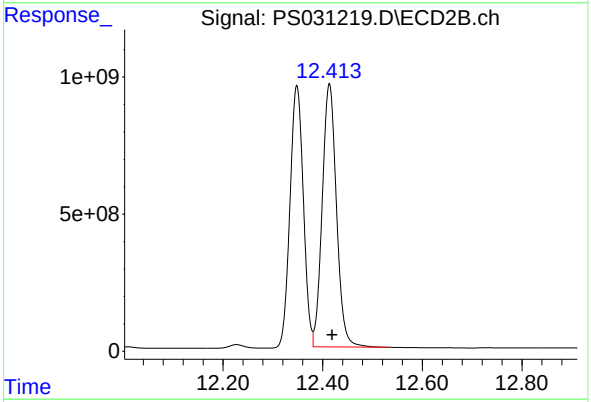
R.T.: 11.304 min
Delta R.T.: -0.004 min
Response: 8327593339
Conc: 736.82 ng/ml



#15 Picloram

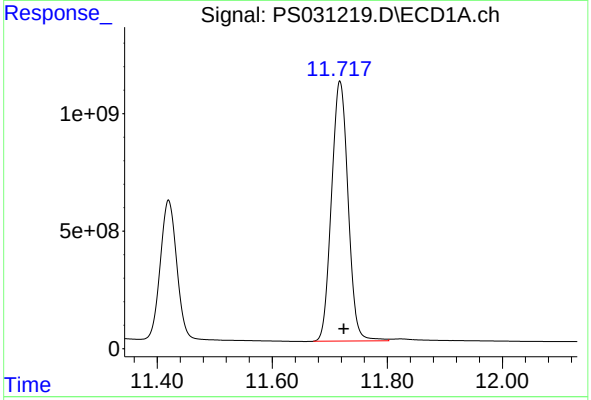
R.T.: 11.230 min
Delta R.T.: -0.009 min
Response: 17965963631
Conc: 898.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



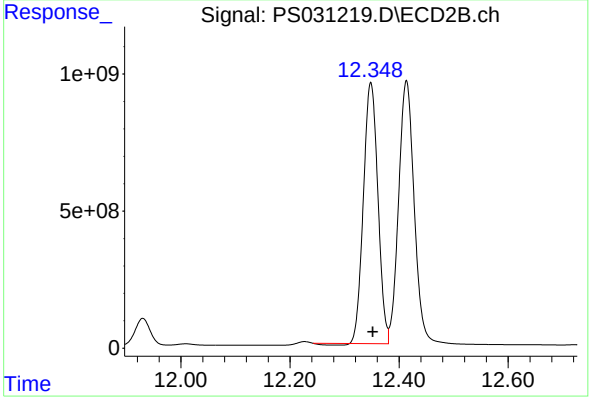
#15 Picloram

R.T.: 12.413 min
Delta R.T.: -0.005 min
Response: 19044093948
Conc: 764.98 ng/ml



#16 DCPA

R.T.: 11.717 min
Delta R.T.: -0.007 min
Response: 22139067750
Conc: 771.57 ng/ml



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.003 min
Response: 17511084992
Conc: 760.16 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:04:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
4)	S	2,4-DCAA	7.322	7.761	2983.5E6	676.2E6	686.129	666.261
		Target Compounds						
1)	T	Dalapon	2.688	2.699	3848.0E6	1720.9E6	613.435	606.660
2)	T	3,5-DICHL...	6.484	6.708	3521.7E6	941.1E6	637.679	611.122
3)	T	4-Nitroph...	7.121	7.294	1151.6E6	1103.7E6	698.446	610.029
5)	T	DICAMBA	7.510	7.963	10768.4E6	4096.2E6	652.749	634.731
6)	T	MCPP	7.692	8.062	667.8E6	130.3E6	66.712	62.733
7)	T	MCPA	7.842	8.311	821.2E6	186.7E6	65.620	59.181
8)	T	DICHLORPROP	8.222	8.682	2454.9E6	948.6E6	642.327	626.171
9)	T	2,4-D	8.454	9.019	3170.3E6	1067.6E6	848.819	628.641 #
10)	T	Pentachlo...	8.760	9.542	39321.6E6	25843.9E6	719.892	661.286
11)	T	2,4,5-TP ...	9.339	9.924	14897.7E6	9580.4E6	678.601	643.232
12)	T	2,4,5-T	9.632	10.350	14094.7E6	9121.6E6	721.777	641.486
13)	T	2,4-DB	10.209	10.919	2281.2E6	755.3E6	762.982	645.238
14)	T	DINOSEB	11.424	11.303	9970.6E6	6886.6E6	640.396	609.323
15)	T	Picloram	11.233	12.413	15503.2E6	16230.8E6	774.903	651.970
16)	T	DCPA	11.721	12.347	19569.5E6	15008.8E6	682.020	651.534

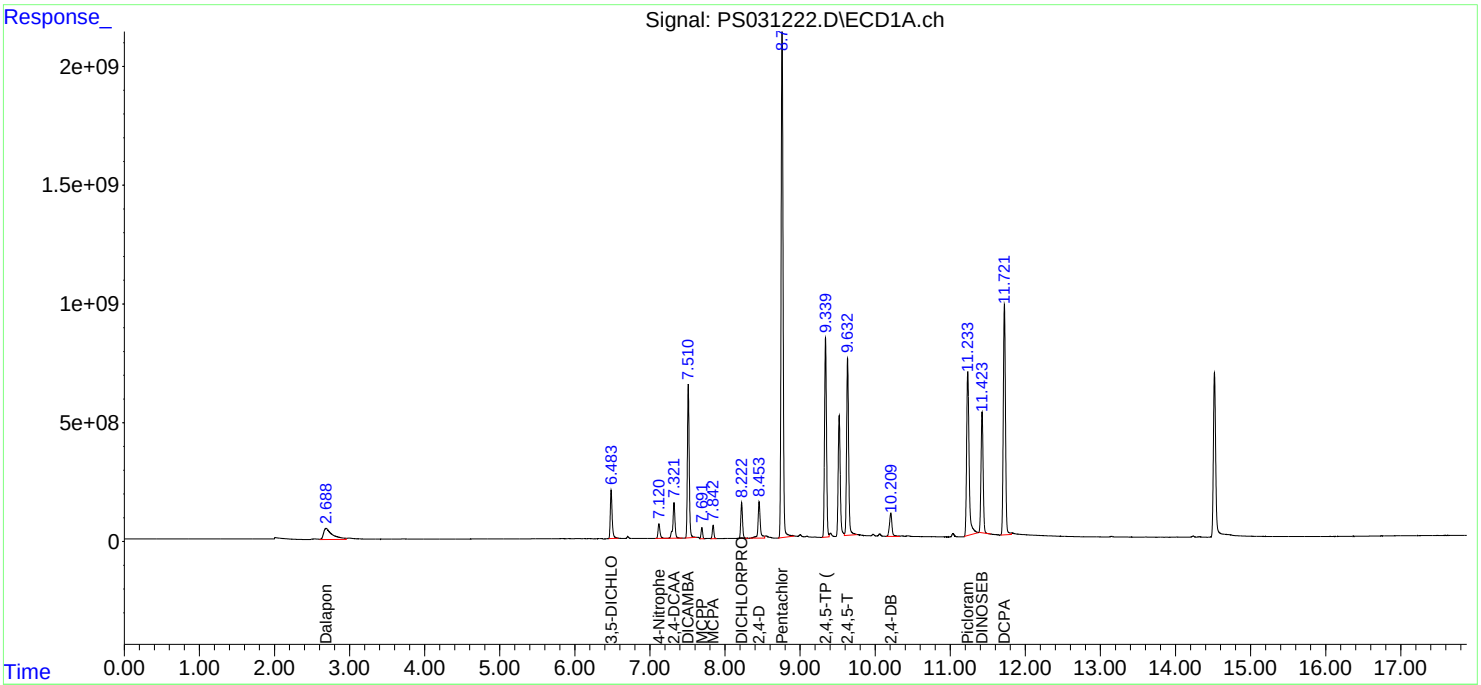
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

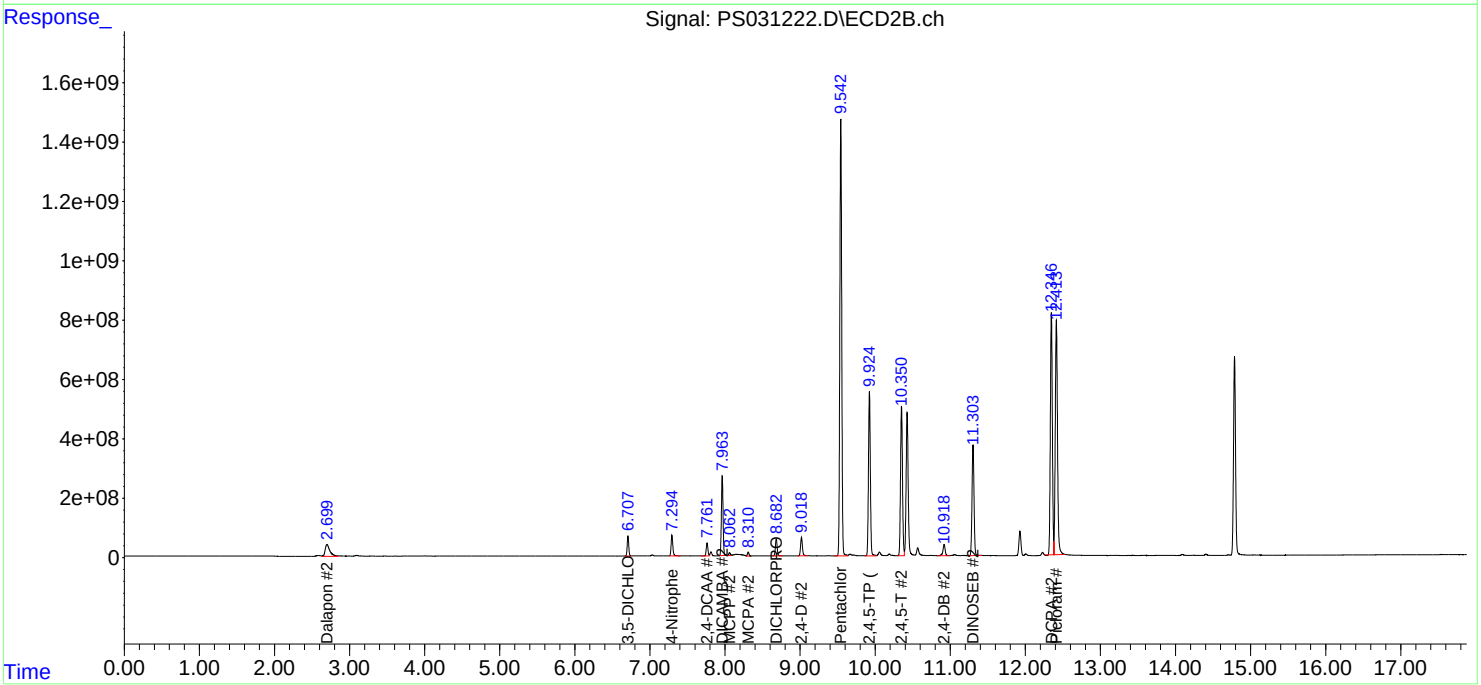
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

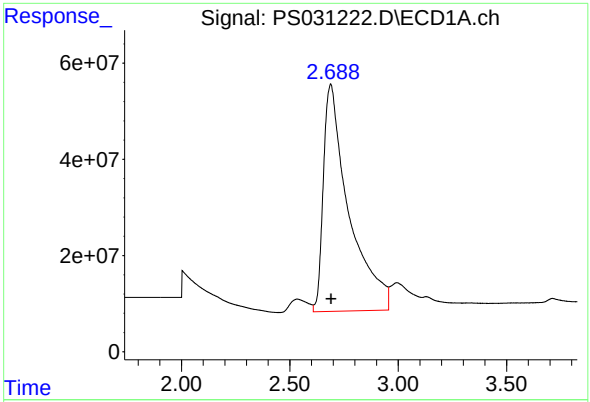
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:04:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.25µm



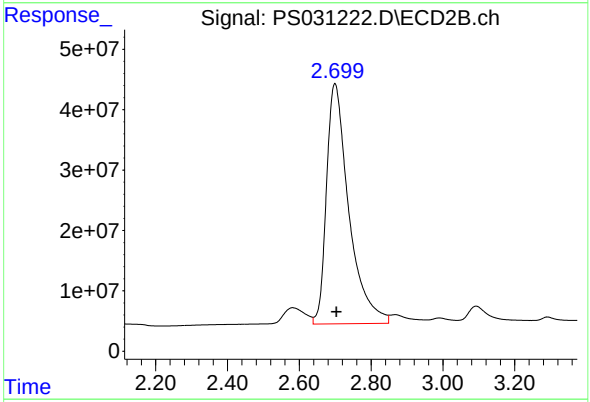




#1 Dalapon

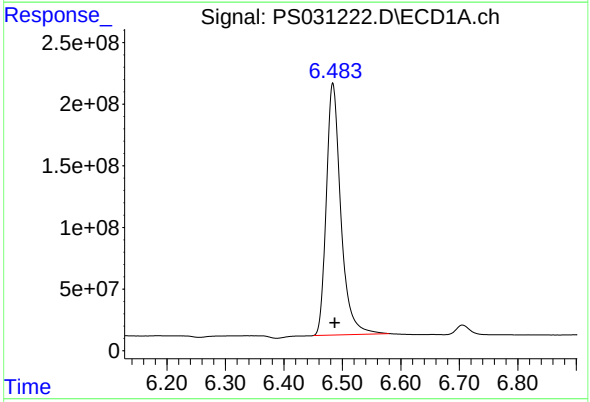
R.T.: 2.688 min
Delta R.T.: -0.002 min
Response: 3848020663
Conc: 613.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



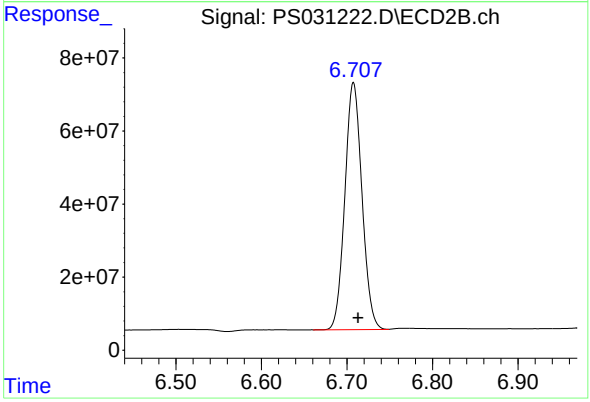
#1 Dalapon

R.T.: 2.699 min
Delta R.T.: -0.004 min
Response: 1720936143
Conc: 606.66 ng/ml



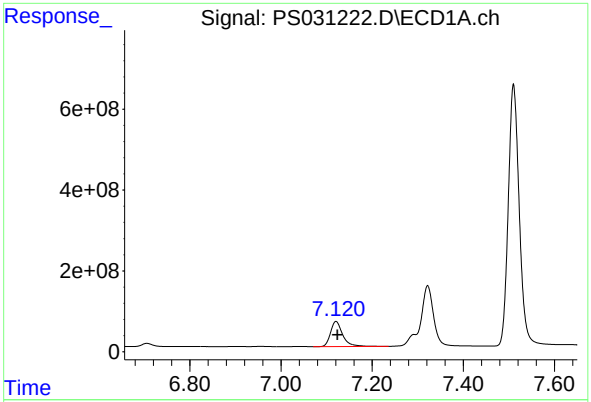
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 3521740913
Conc: 637.68 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

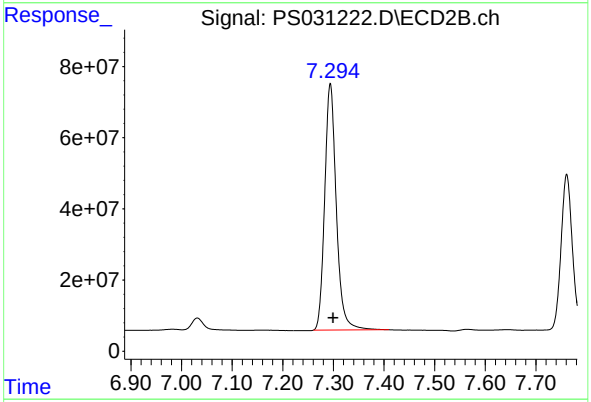
R.T.: 6.708 min
Delta R.T.: -0.005 min
Response: 941063617
Conc: 611.12 ng/ml



#3 4-Nitrophenol

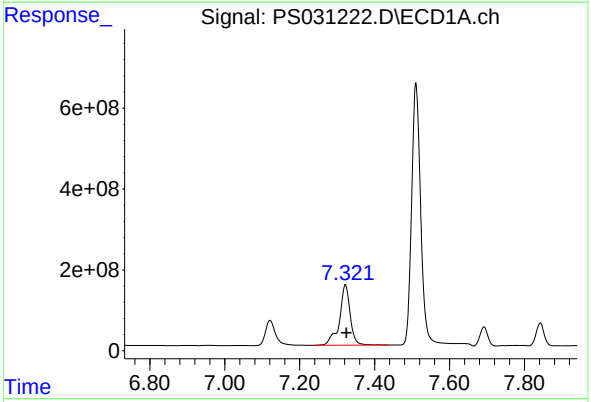
R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 1151587322
Conc: 698.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



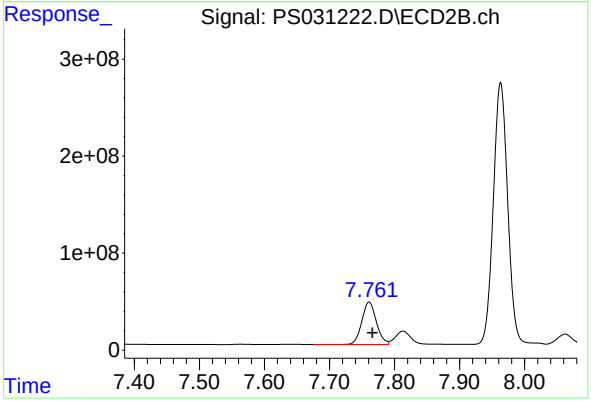
#3 4-Nitrophenol

R.T.: 7.294 min
Delta R.T.: -0.005 min
Response: 1103736553
Conc: 610.03 ng/ml



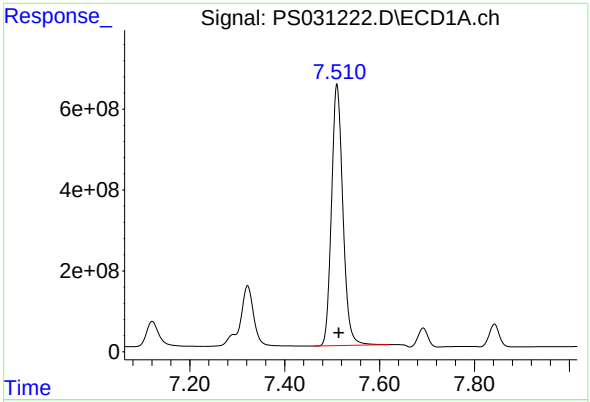
#4 2,4-DCAA

R.T.: 7.322 min
Delta R.T.: -0.003 min
Response: 2983460530
Conc: 686.13 ng/ml



#4 2,4-DCAA

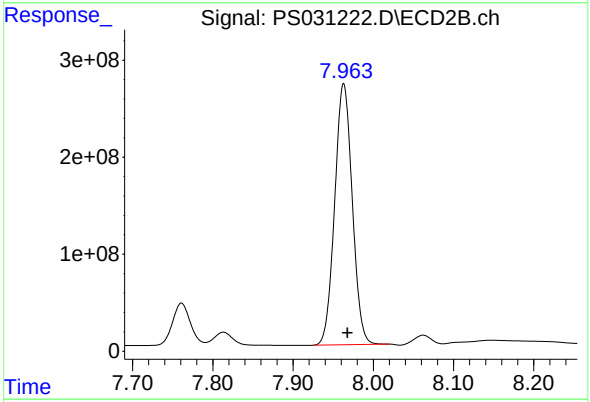
R.T.: 7.761 min
Delta R.T.: -0.005 min
Response: 676234128
Conc: 666.26 ng/ml



#5 DICAMBA

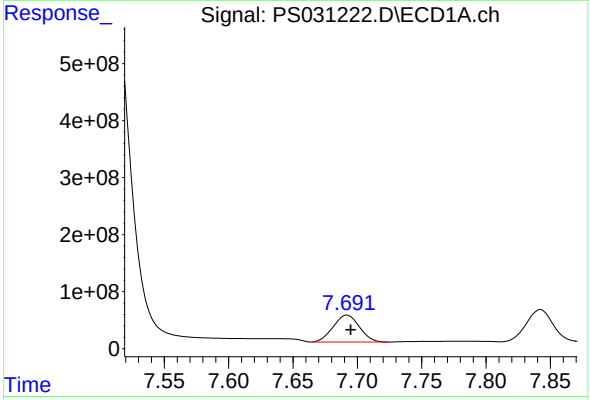
R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 10768380319
Conc: 652.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



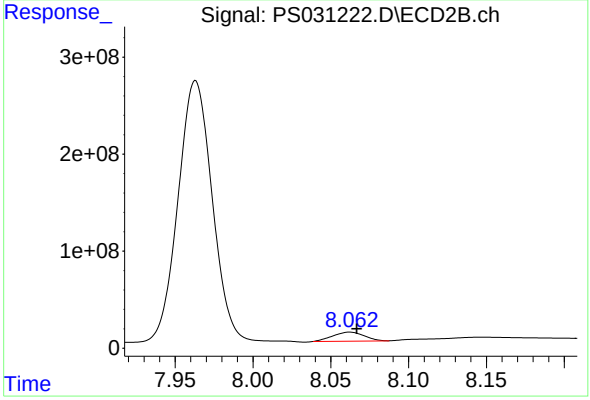
#5 DICAMBA

R.T.: 7.963 min
Delta R.T.: -0.005 min
Response: 4096155144
Conc: 634.73 ng/ml



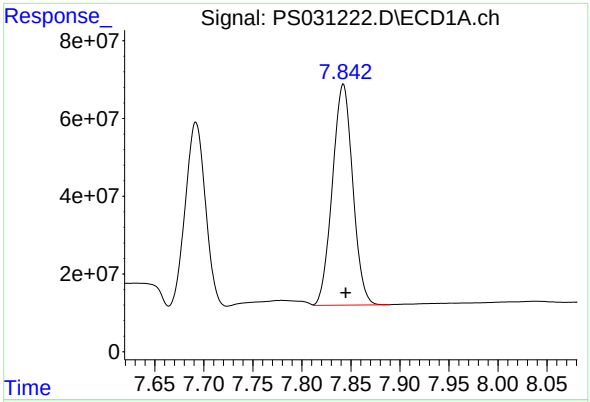
#6 MCPP

R.T.: 7.692 min
Delta R.T.: -0.003 min
Response: 667791702
Conc: 66.71 ug/ml



#6 MCPP

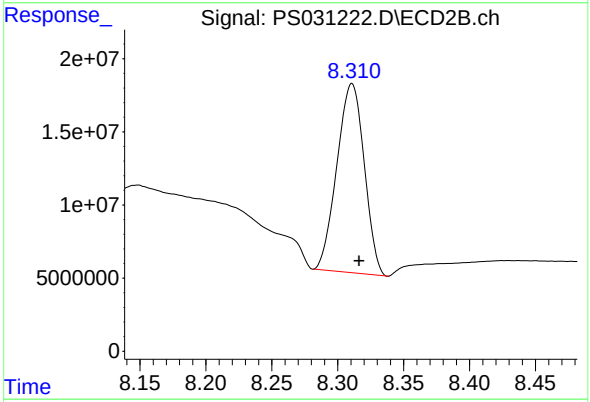
R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 130347363
Conc: 62.73 ug/ml



#7 MCPA

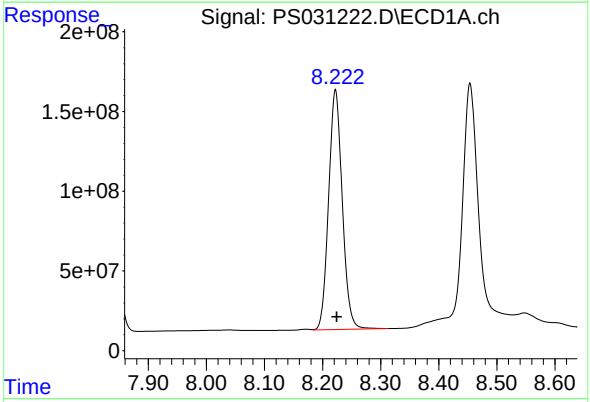
R.T.: 7.842 min
Delta R.T.: -0.002 min
Response: 821178986
Conc: 65.62 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



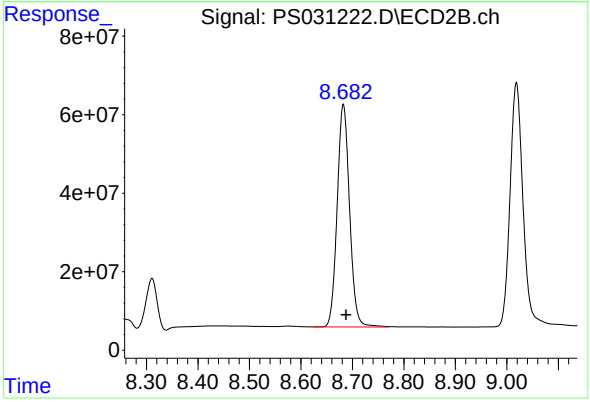
#7 MCPA

R.T.: 8.311 min
Delta R.T.: -0.006 min
Response: 186727683
Conc: 59.18 ug/ml



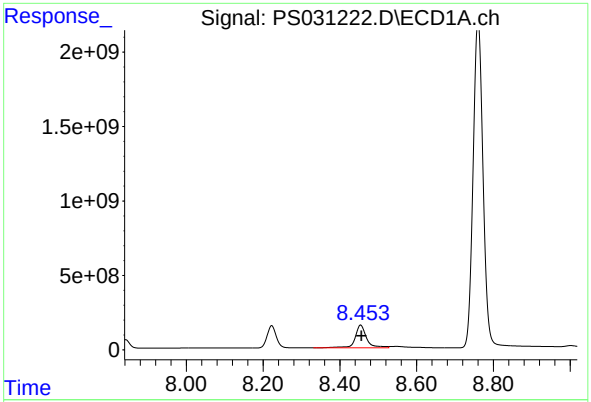
#8 DICHLORPROP

R.T.: 8.222 min
Delta R.T.: -0.002 min
Response: 2454945616
Conc: 642.33 ng/ml



#8 DICHLORPROP

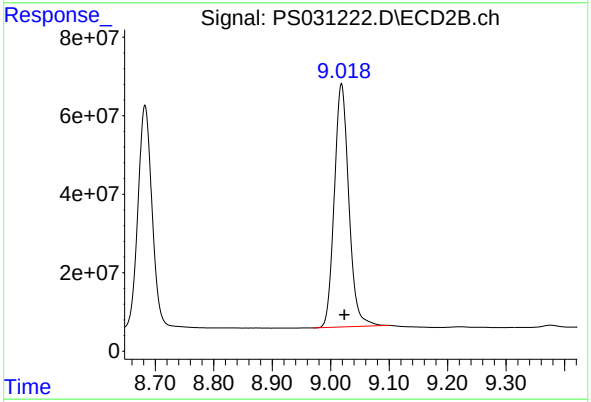
R.T.: 8.682 min
Delta R.T.: -0.005 min
Response: 948562256
Conc: 626.17 ng/ml



#9 2,4-D

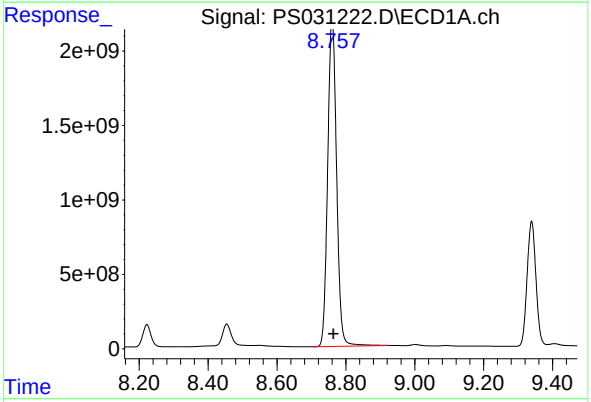
R.T.: 8.454 min
Delta R.T.: -0.002 min
Response: 3170267422
Conc: 848.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



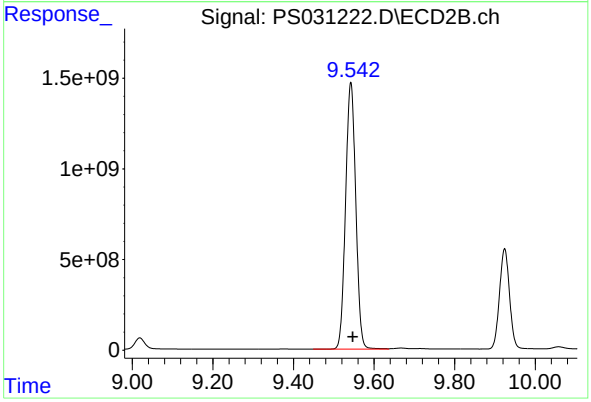
#9 2,4-D

R.T.: 9.019 min
Delta R.T.: -0.005 min
Response: 1067632755
Conc: 628.64 ng/ml



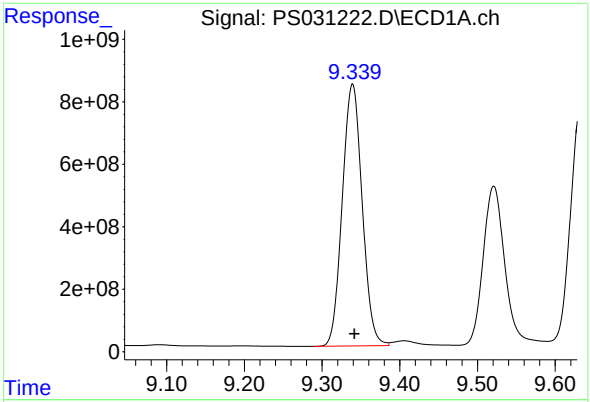
#10 Pentachlorophenol

R.T.: 8.760 min
Delta R.T.: -0.004 min
Response: 39321617114
Conc: 719.89 ng/ml



#10 Pentachlorophenol

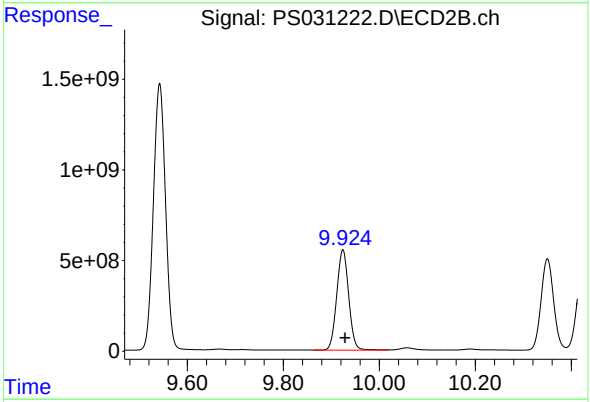
R.T.: 9.542 min
Delta R.T.: -0.005 min
Response: 25843869223
Conc: 661.29 ng/ml



#11 2,4,5-TP (SILVEX)

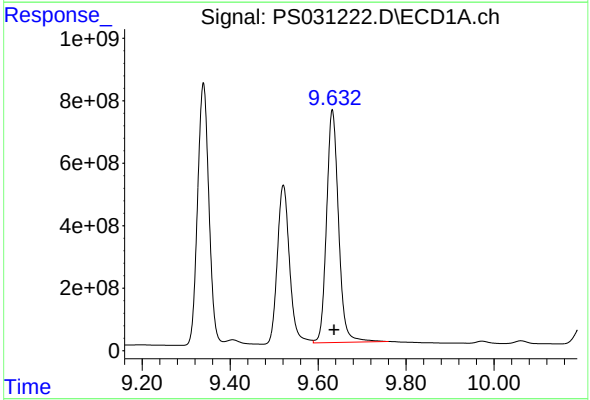
R.T.: 9.339 min
Delta R.T.: -0.003 min
Response: 14897723114
Conc: 678.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



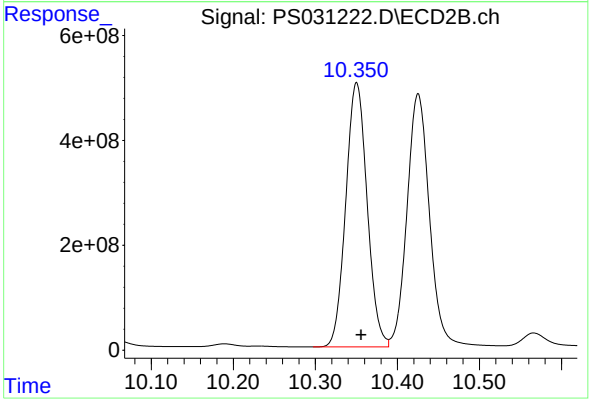
#11 2,4,5-TP (SILVEX)

R.T.: 9.924 min
Delta R.T.: -0.005 min
Response: 9580413512
Conc: 643.23 ng/ml



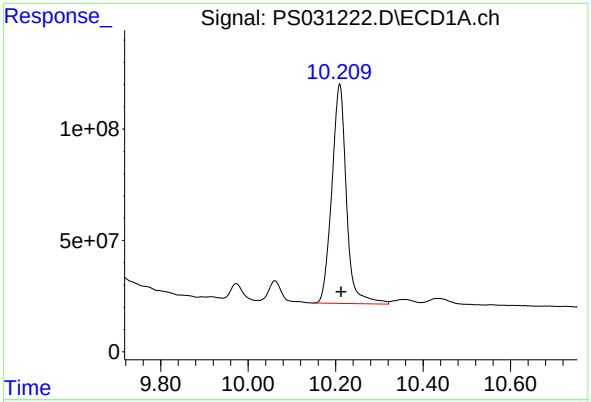
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 14094719433
Conc: 721.78 ng/ml



#12 2,4,5-T

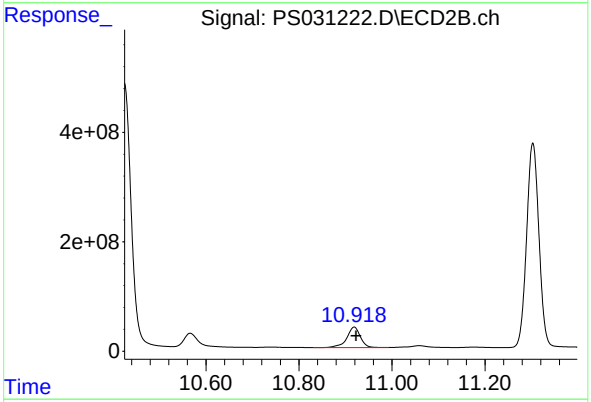
R.T.: 10.350 min
Delta R.T.: -0.005 min
Response: 9121585184
Conc: 641.49 ng/ml



#13 2,4-DB

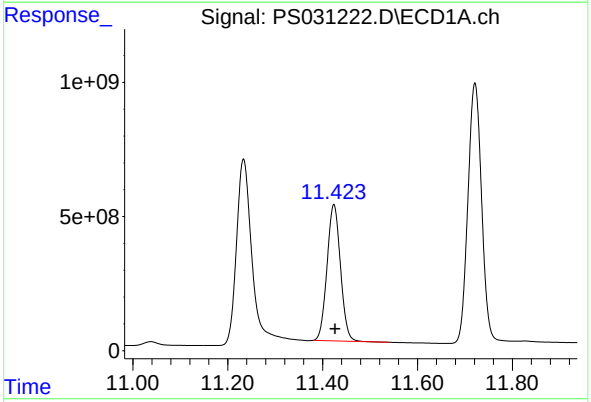
R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 2281228611
Conc: 762.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



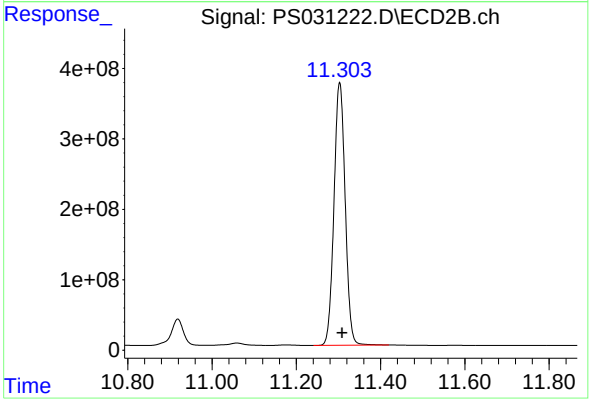
#13 2,4-DB

R.T.: 10.919 min
Delta R.T.: -0.004 min
Response: 755258036
Conc: 645.24 ng/ml



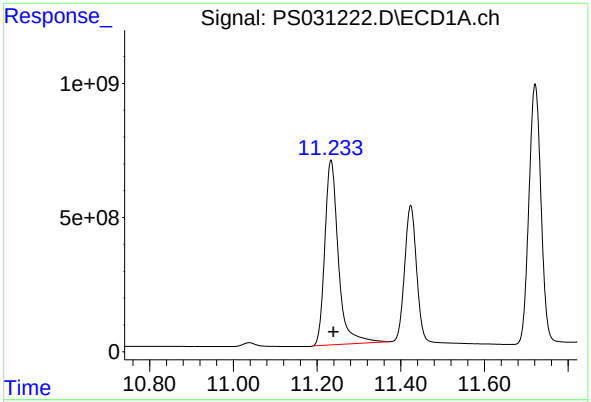
#14 DINOSEB

R.T.: 11.424 min
Delta R.T.: -0.003 min
Response: 9970643058
Conc: 640.40 ng/ml



#14 DINOSEB

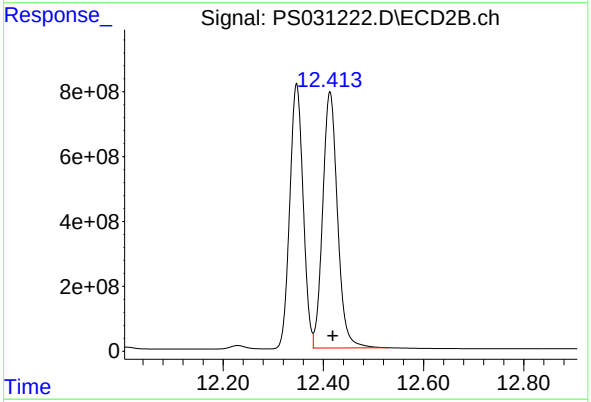
R.T.: 11.303 min
Delta R.T.: -0.005 min
Response: 6886615500
Conc: 609.32 ng/ml



#15 Picloram

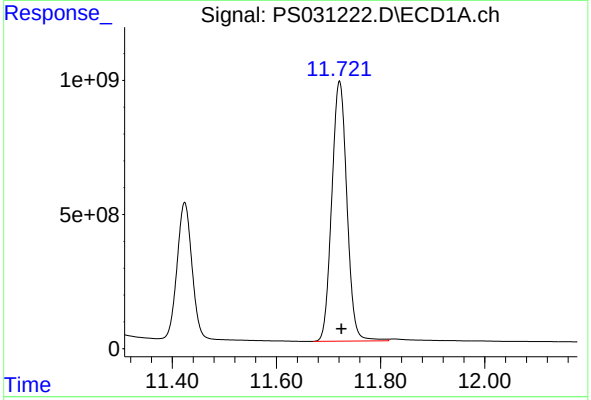
R.T.: 11.233 min
Delta R.T.: -0.005 min
Response: 15503151258
Conc: 774.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



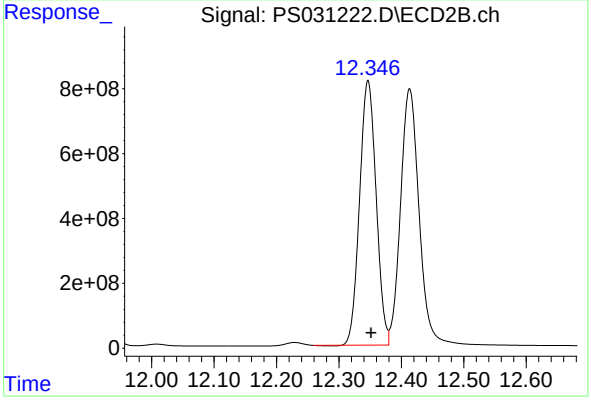
#15 Picloram

R.T.: 12.413 min
Delta R.T.: -0.005 min
Response: 16230814719
Conc: 651.97 ng/ml



#16 DCPA

R.T.: 11.721 min
Delta R.T.: -0.003 min
Response: 19569524274
Conc: 682.02 ng/ml



#16 DCPA

R.T.: 12.347 min
Delta R.T.: -0.005 min
Response: 15008763067
Conc: 651.53 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:08
Operator : AR\AJ
Sample : Q2638-11MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
4)	S	2,4-DCAA	7.320	7.764	1246.6E6	317.1E6	286.690	312.465	
		Target Compounds							
1)	T	Dalapon	2.679	2.700	3159.1E6	1943.8E6	503.608	685.211	#
2)	T	3,5-DICHL...	6.483	6.711	1690.1E6	463.2E6	306.020	300.831	
3)	T	4-Nitroph...	7.119	7.298	423.8E6	435.5E6	257.034	240.722	
5)	T	DICAMBA	7.509	7.966	4646.0E6	1806.3E6	281.628	279.893	
6)	T	MCPP	7.688	8.063	244.0E6	46583331	24.375	22.419	
7)	T	MCPA	7.837	8.310	334.0E6	59176547	26.691	18.755	#
8)	T	DICHLORPROP	8.220	8.685	1181.1E6	454.0E6	309.035	299.697	
9)	T	2,4-D	8.451	9.021	1398.5E6	608.4E6	374.427	358.212	
10)	T	Pentachlo...	8.757	9.545	16524.6E6	10431.4E6	302.529	266.917	
11)	T	2,4,5-TP ...	9.336	9.926	6903.1E6	4627.3E6	314.440	310.676	
12)	T	2,4,5-T	9.630	10.352	6419.1E6	4171.5E6	328.718	293.366	
13)	T	2,4-DB	10.207	10.920	1265.2E6	320.9E6	423.144	274.132	#
14)	T	DINOSEB	11.419	11.305	558.5E6	291.1E6	35.872	25.759	#
15)	T	Picloram	11.229	12.415	5447.5E6	5460.0E6	272.283	219.319	
16)	T	DCPA	11.714	12.349	6525.3E6	6541.7E6	227.416	283.975	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

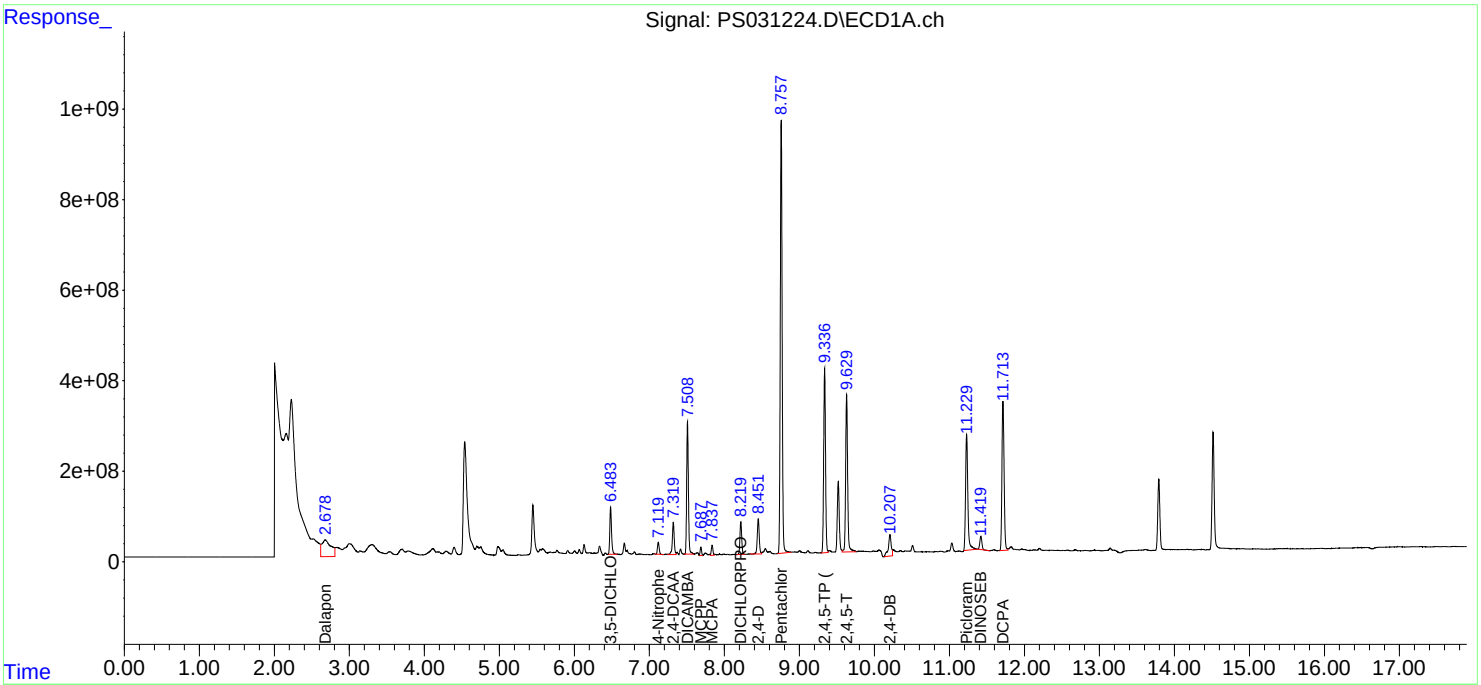
Quantitation Report (Not Reviewed)

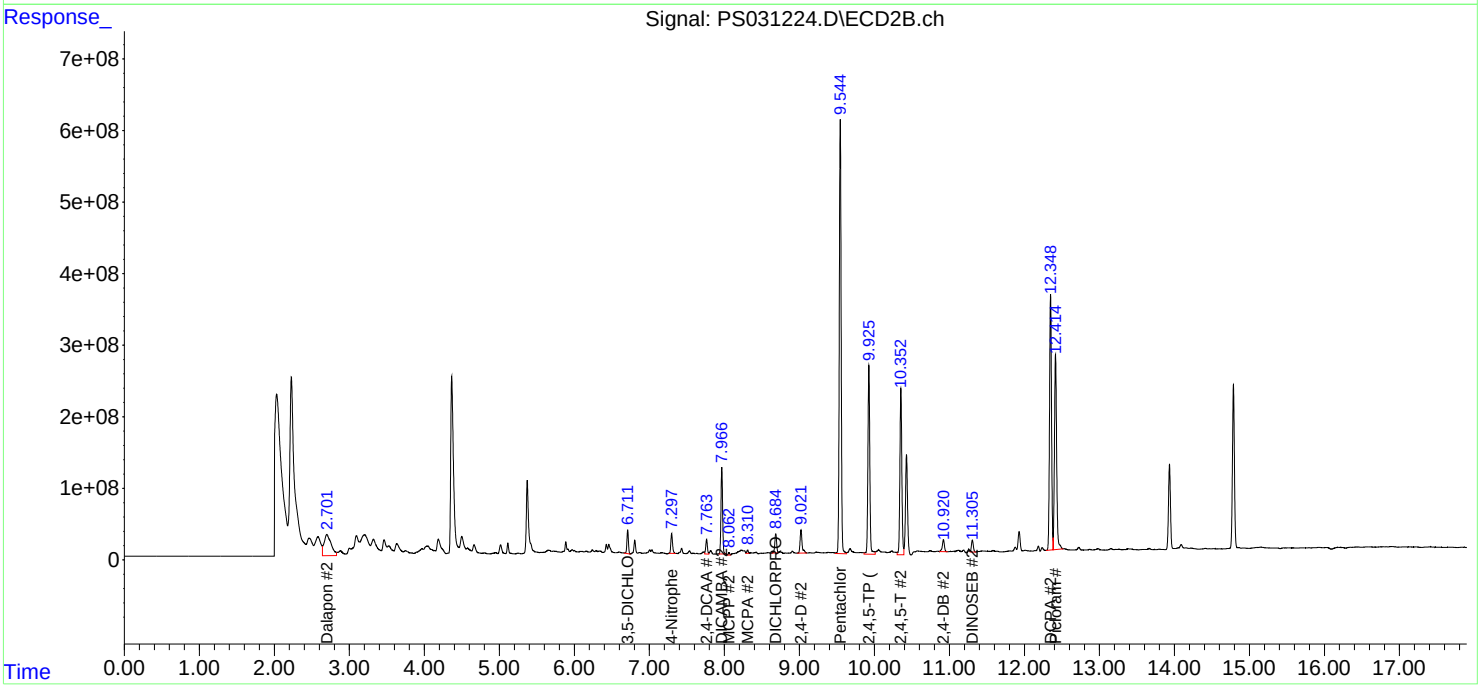
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:08
Operator : AR\AJ
Sample : Q2638-11MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

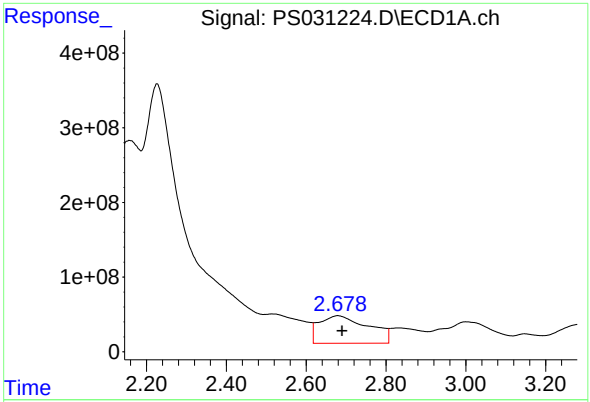
Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.25µm



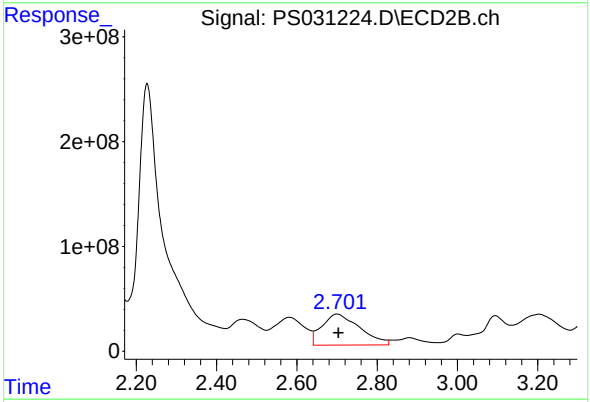




#1 Dalapon

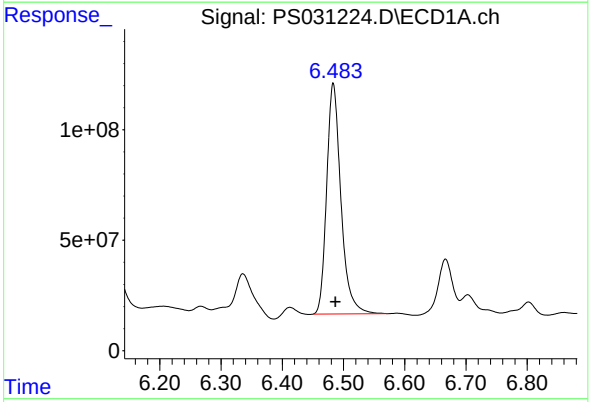
R.T.: 2.679 min
Delta R.T.: -0.011 min
Response: 3159083410
Conc: 503.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



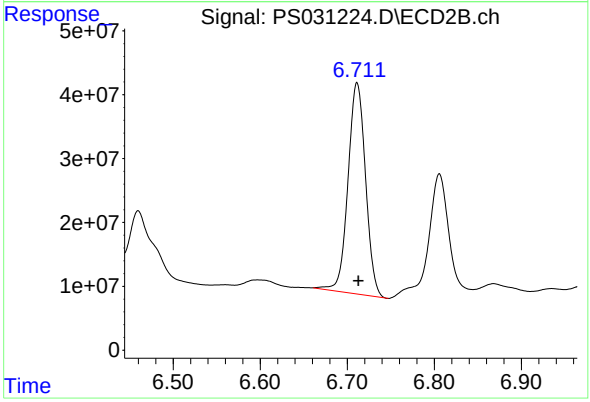
#1 Dalapon

R.T.: 2.700 min
Delta R.T.: -0.004 min
Response: 1943766033
Conc: 685.21 ng/ml



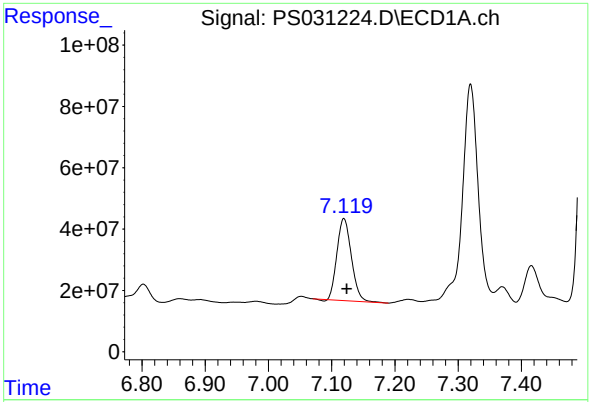
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 1690071144
Conc: 306.02 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

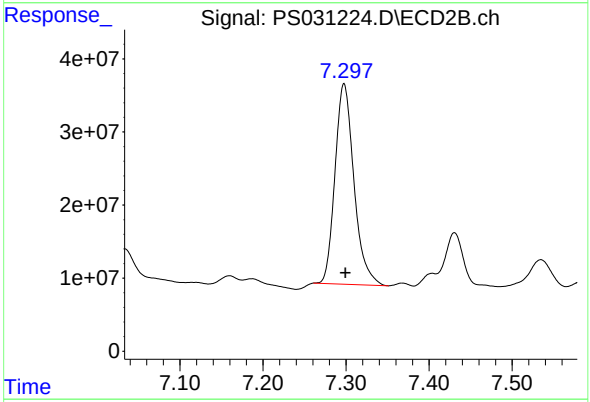
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 463248534
Conc: 300.83 ng/ml



#3 4-Nitrophenol

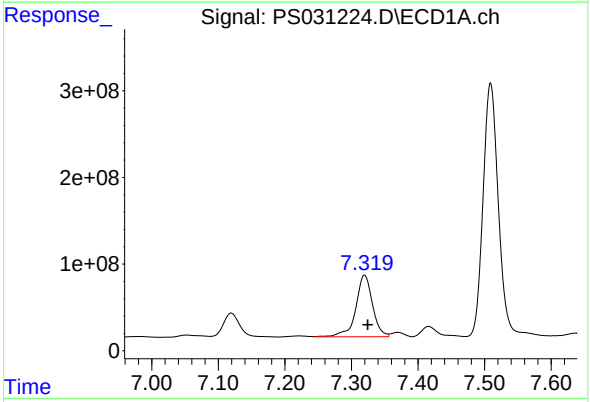
R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 423793288
Conc: 257.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



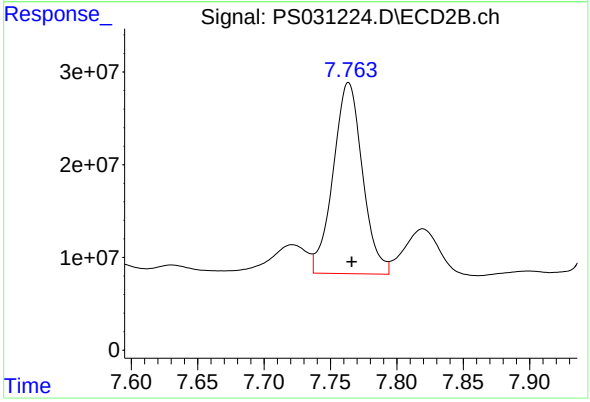
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.001 min
Response: 435542721
Conc: 240.72 ng/ml



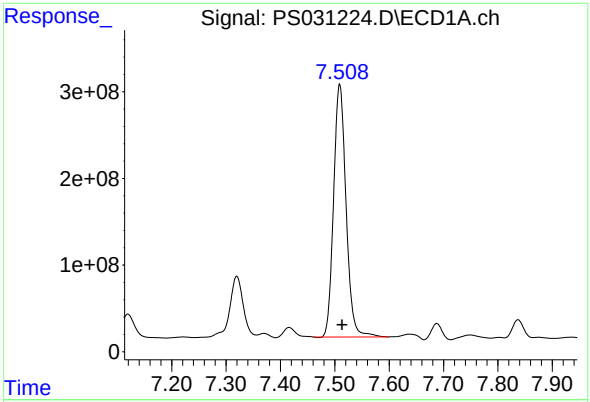
#4 2,4-DCAA

R.T.: 7.320 min
Delta R.T.: -0.005 min
Response: 1246601439
Conc: 286.69 ng/ml



#4 2,4-DCAA

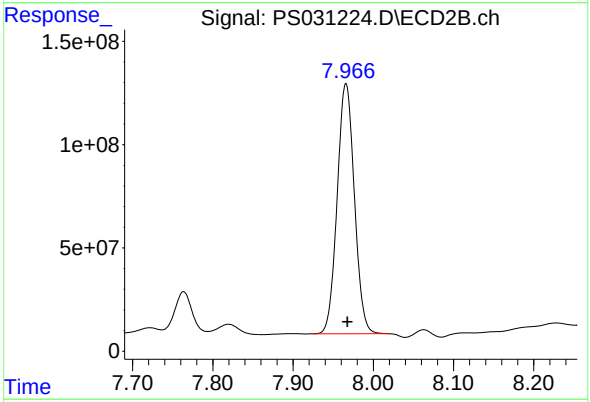
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 317142086
Conc: 312.47 ng/ml



#5 DICAMBA

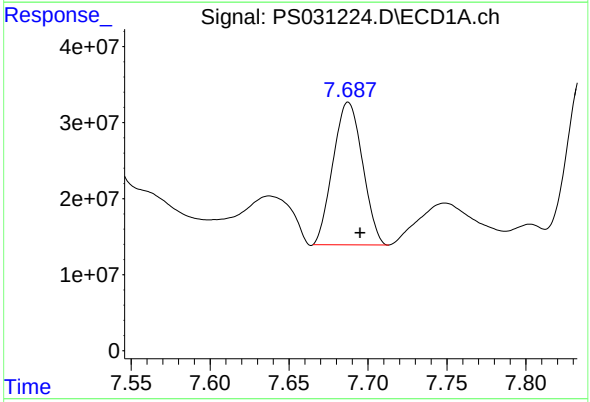
R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 4646004188
Conc: 281.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



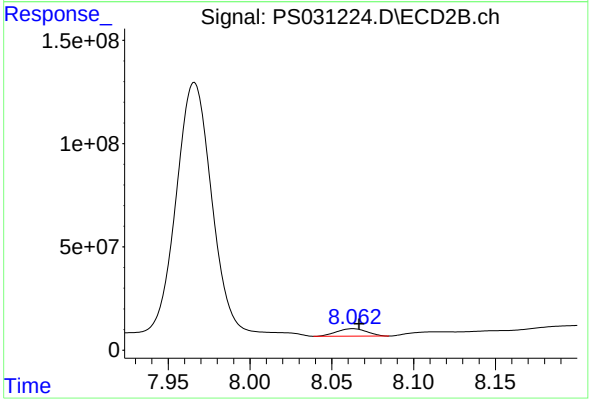
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 1806255092
Conc: 279.89 ng/ml



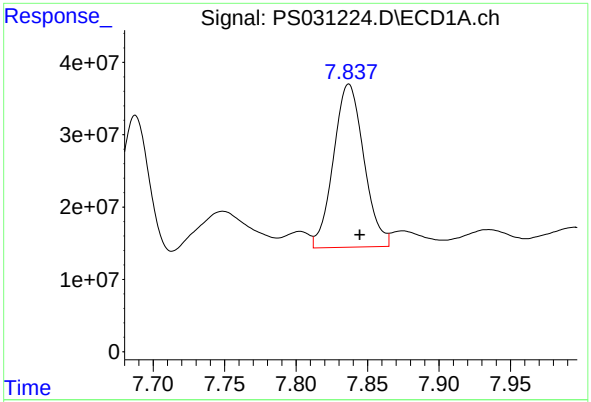
#6 MCPP

R.T.: 7.688 min
Delta R.T.: -0.007 min
Response: 243998366
Conc: 24.38 ug/ml



#6 MCPP

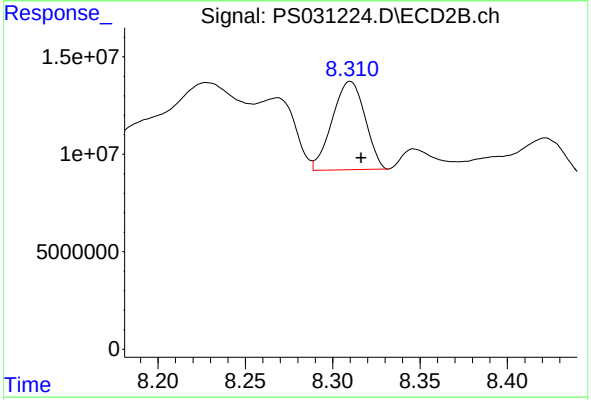
R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 46583331
Conc: 22.42 ug/ml



#7 MCPA

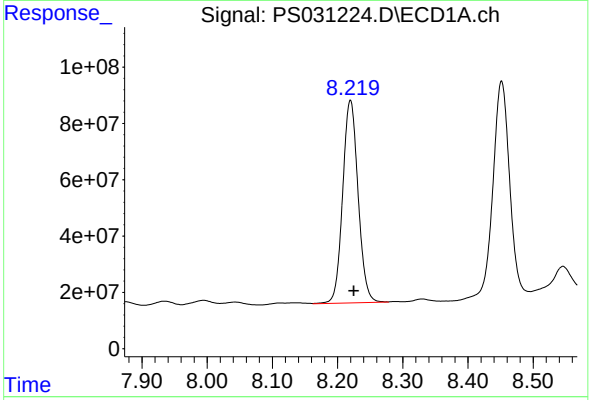
R.T.: 7.837 min
Delta R.T.: -0.008 min
Response: 334022340
Conc: 26.69 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



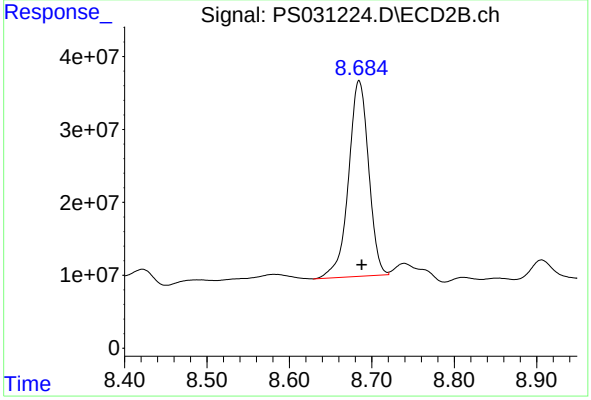
#7 MCPA

R.T.: 8.310 min
Delta R.T.: -0.006 min
Response: 59176547
Conc: 18.76 ug/ml



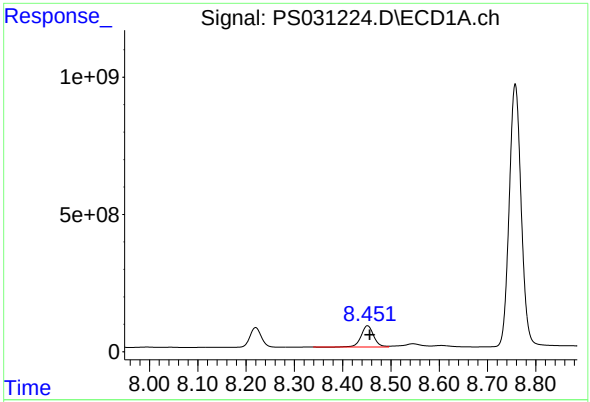
#8 DICHLORPROP

R.T.: 8.220 min
Delta R.T.: -0.005 min
Response: 1181119344
Conc: 309.04 ng/ml



#8 DICHLORPROP

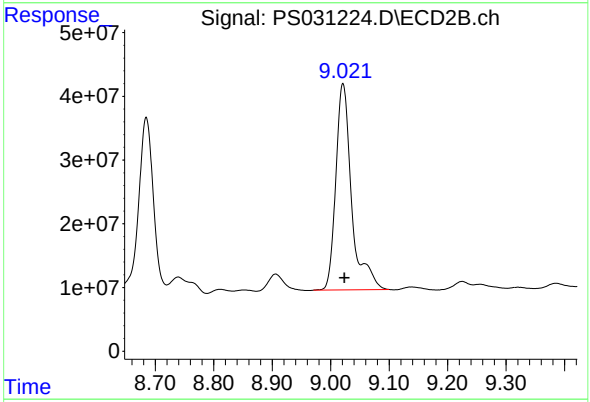
R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 453999145
Conc: 299.70 ng/ml



#9 2,4-D

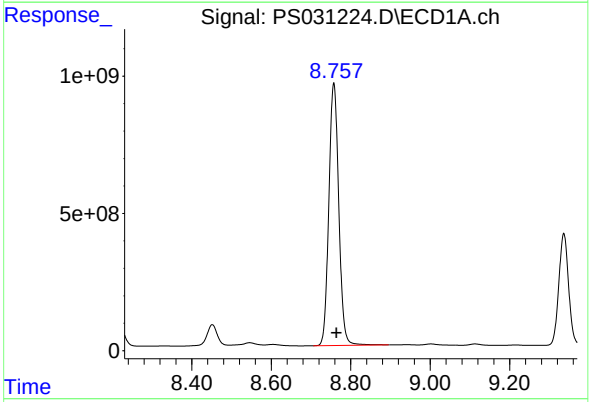
R.T.: 8.451 min
Delta R.T.: -0.005 min
Response: 1398452509
Conc: 374.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



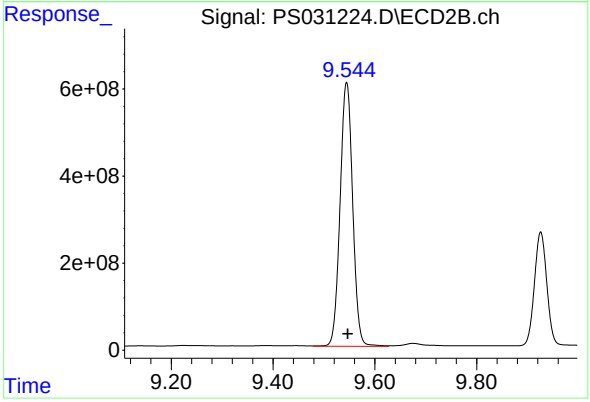
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 608358503
Conc: 358.21 ng/ml



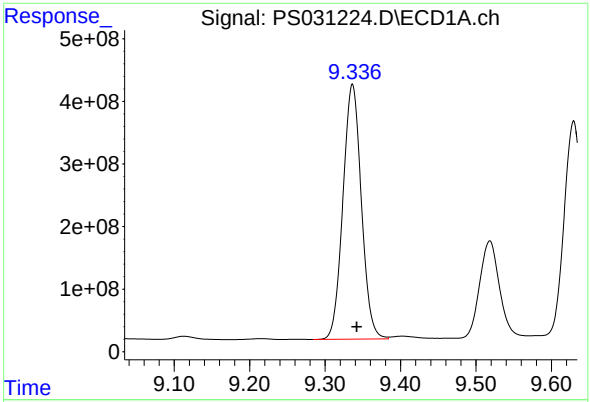
#10 Pentachlorophenol

R.T.: 8.757 min
Delta R.T.: -0.006 min
Response: 16524577795
Conc: 302.53 ng/ml



#10 Pentachlorophenol

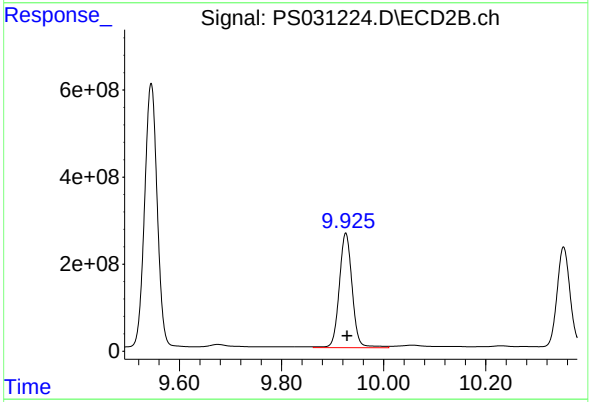
R.T.: 9.545 min
Delta R.T.: -0.003 min
Response: 10431447789
Conc: 266.92 ng/ml



#11 2,4,5-TP (SILVEX)

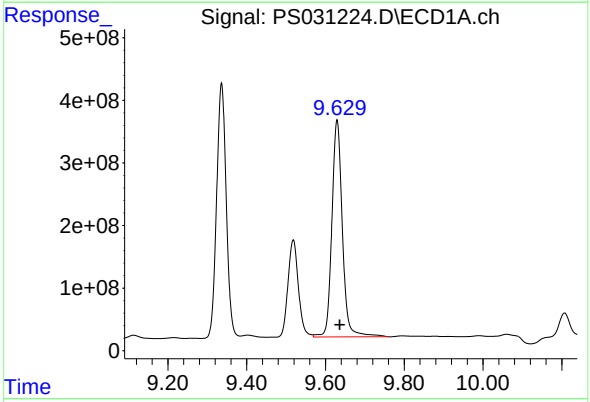
R.T.: 9.336 min
Delta R.T.: -0.006 min
Response: 6903081477
Conc: 314.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



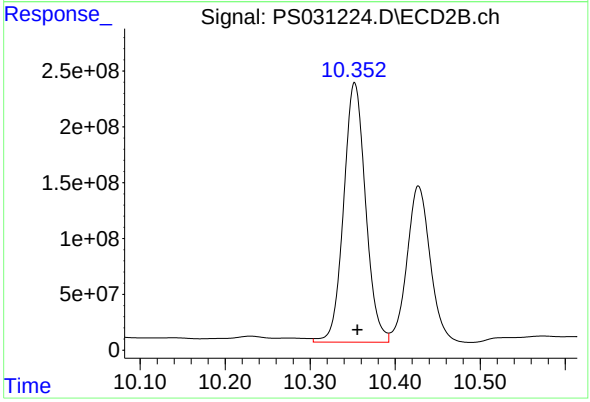
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 4627259211
Conc: 310.68 ng/ml



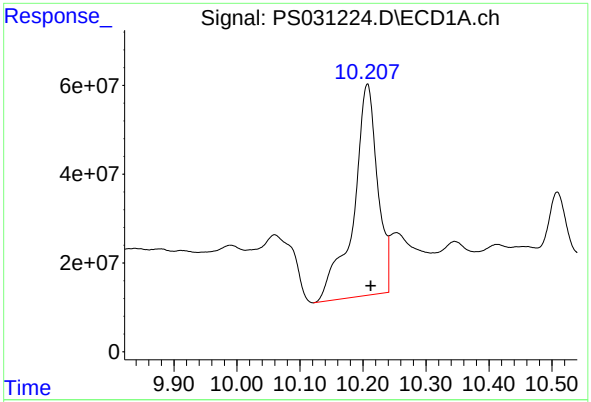
#12 2,4,5-T

R.T.: 9.630 min
Delta R.T.: -0.006 min
Response: 6419145503
Conc: 328.72 ng/ml



#12 2,4,5-T

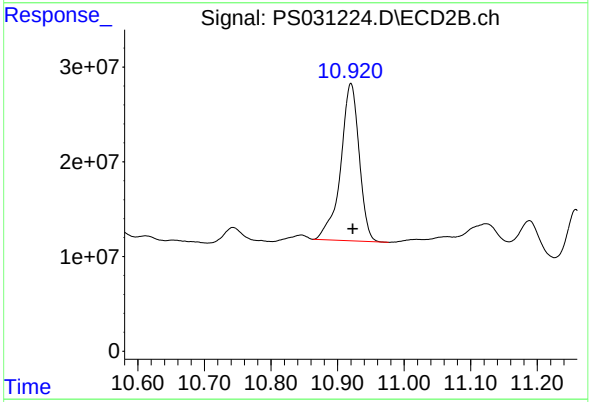
R.T.: 10.352 min
Delta R.T.: -0.003 min
Response: 4171511784
Conc: 293.37 ng/ml



#13 2,4-DB

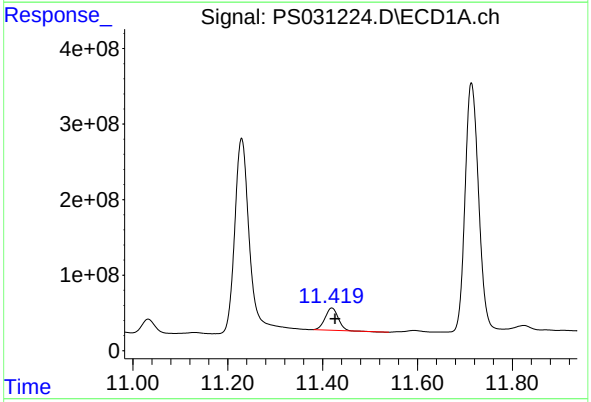
R.T.: 10.207 min
Delta R.T.: -0.005 min
Response: 1265151217
Conc: 423.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



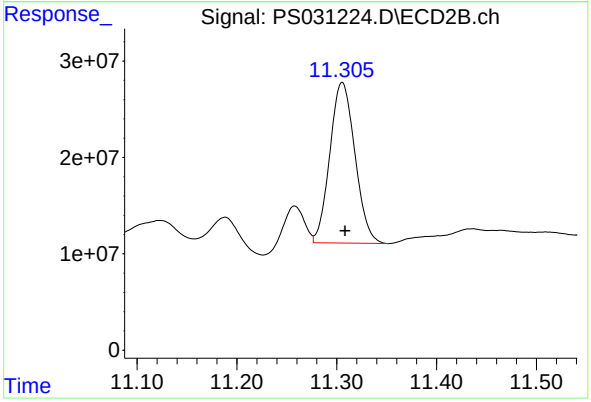
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.003 min
Response: 320874457
Conc: 274.13 ng/ml



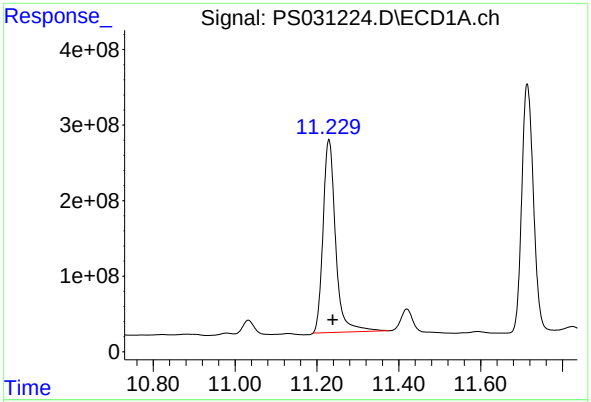
#14 DINOSEB

R.T.: 11.419 min
Delta R.T.: -0.007 min
Response: 558507309
Conc: 35.87 ng/ml



#14 DINOSEB

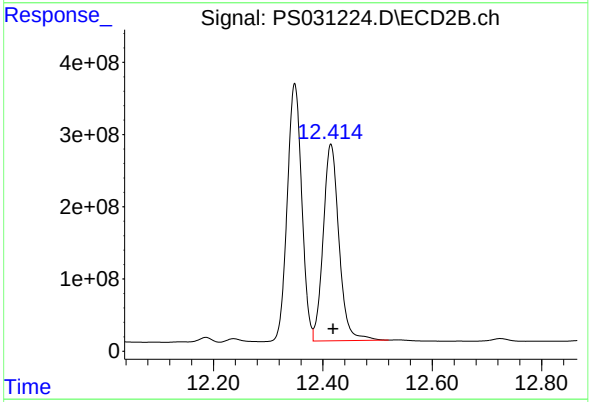
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 291131915
Conc: 25.76 ng/ml



#15 Picloram

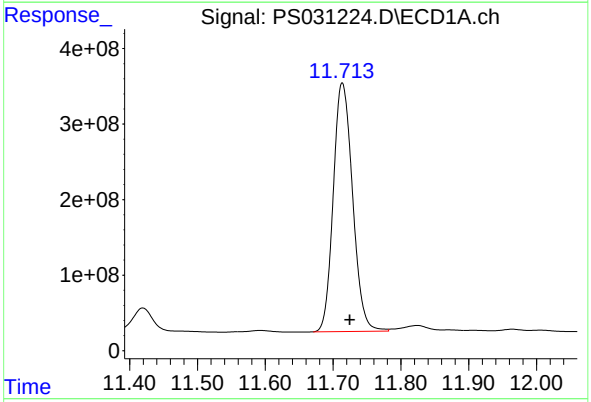
R.T.: 11.229 min
Delta R.T.: -0.009 min
Response: 5447456644
Conc: 272.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MS



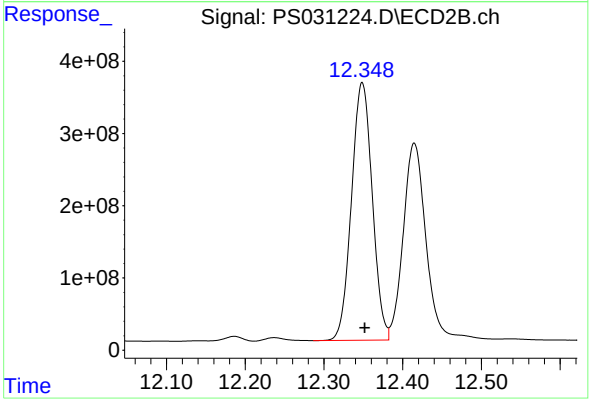
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 5459960837
Conc: 219.32 ng/ml



#16 DCPA

R.T.: 11.714 min
Delta R.T.: -0.011 min
Response: 6525345838
Conc: 227.42 ng/ml



#16 DCPA

R.T.: 12.349 min
Delta R.T.: -0.003 min
Response: 6541661099
Conc: 283.98 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:38
Operator : AR\AJ
Sample : Q2638-11MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
4)	S	2,4-DCAA	7.321	7.763	1182.7E6	293.5E6	272.000	289.212	
		Target Compounds							
1)	T	Dalapon	2.681	2.698	2742.6E6	1613.3E6	437.209	568.732	#
2)	T	3,5-DICHL...	6.484	6.710	1601.7E6	432.1E6	290.027	280.572	
3)	T	4-Nitroph...	7.121	7.297	401.7E6	405.8E6	243.642	224.262	
5)	T	DICAMBA	7.510	7.965	4385.7E6	1684.4E6	265.846	261.004	
6)	T	MCPP	7.690	8.062	228.4E6	43782966	22.816	21.072	
7)	T	MCPA	7.838	8.309	313.5E6	61286173	25.055	19.424	
8)	T	DICHLORPROP	8.221	8.684	1120.5E6	435.1E6	293.162	287.228	
9)	T	2,4-D	8.453	9.020	1400.6E6	575.9E6	375.005	339.097	
10)	T	Pentachlo...	8.759	9.544	15735.7E6	9959.1E6	288.085	254.830	
11)	T	2,4,5-TP ...	9.338	9.925	6625.4E6	4435.0E6	301.793	297.768	
12)	T	2,4,5-T	9.632	10.353	6100.6E6	3953.0E6	312.406	277.997	
13)	T	2,4-DB	10.209	10.920	1202.8E6	302.0E6	402.274	257.968	#
14)	T	DINOSEB	11.422	11.305	555.3E6	351.3E6	35.669	31.084	
15)	T	Picloram	11.232	12.415	5206.9E6	5024.0E6	260.260	201.807	
16)	T	DCPA	11.716	12.348	6191.0E6	5963.1E6	215.762	258.861	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

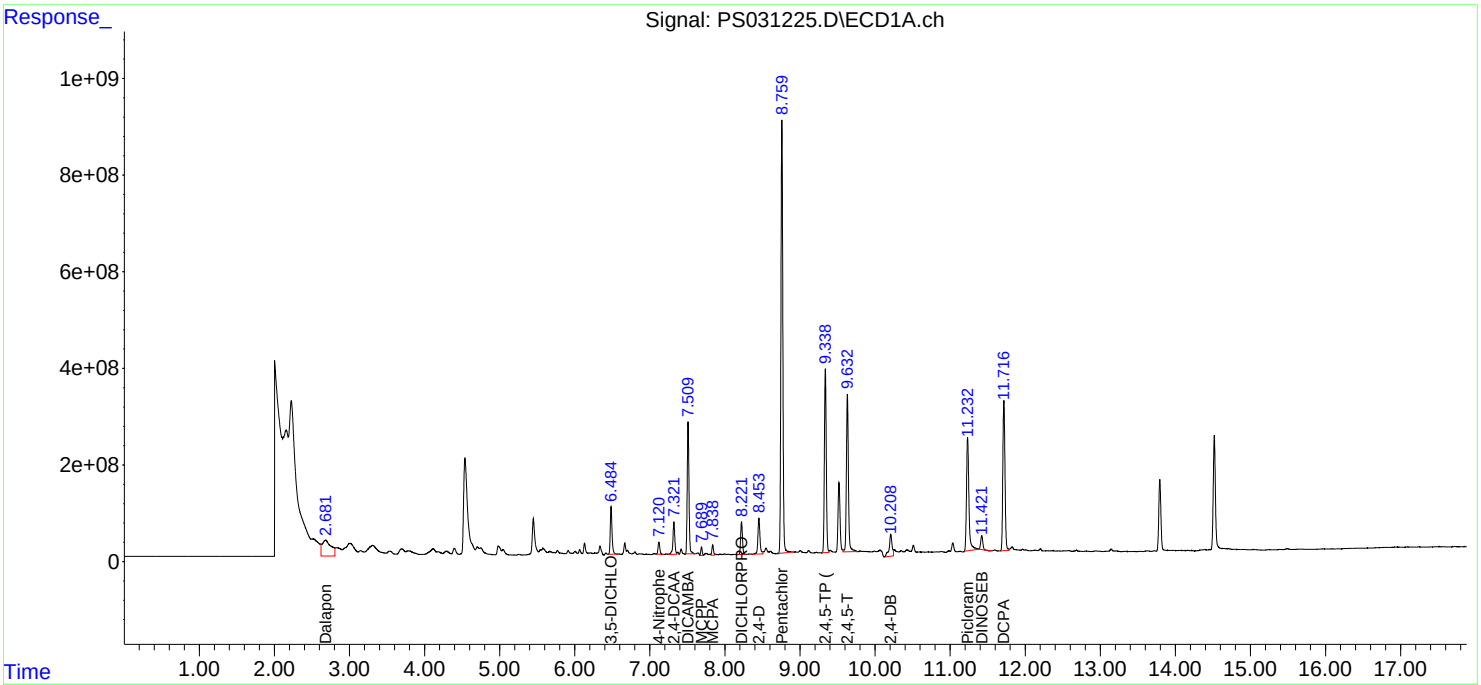
Quantitation Report (Not Reviewed)

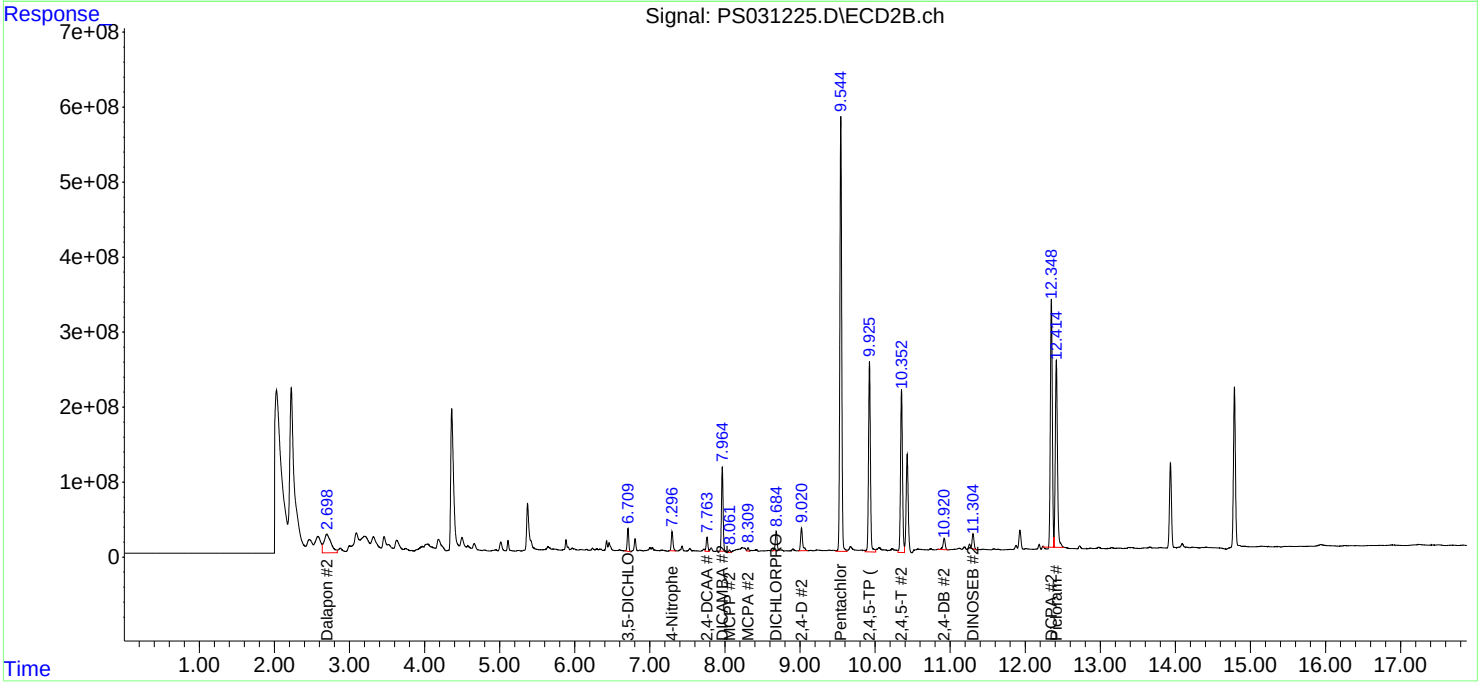
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 14:38
Operator : AR\AJ
Sample : Q2638-11MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

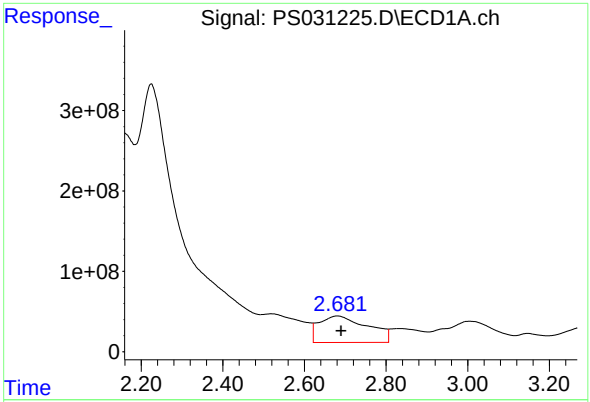
Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 16:05:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072125.M
Quant Title : 8080.M
QLast Update : Tue Jul 22 03:18:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



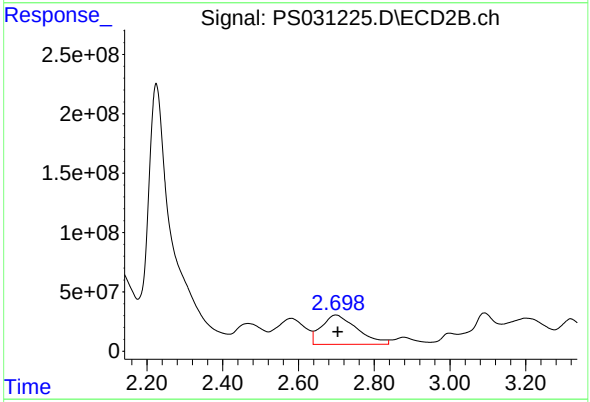




#1 Dalapon

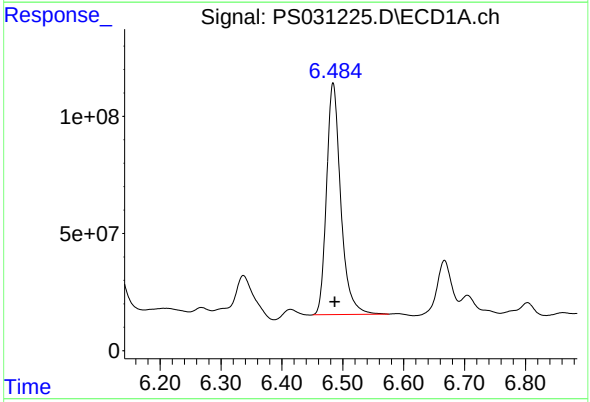
R.T.: 2.681 min
Delta R.T.: -0.009 min
Response: 2742570397
Conc: 437.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



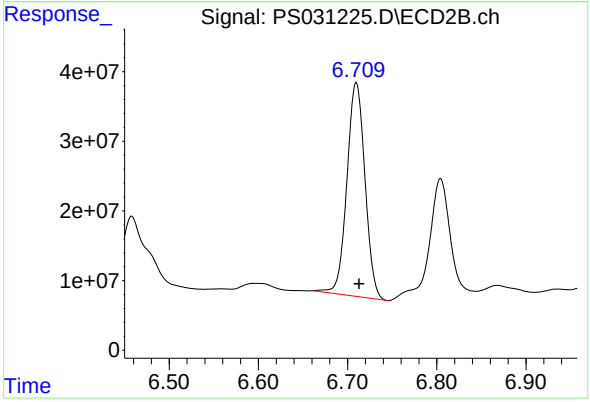
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: -0.005 min
Response: 1613345954
Conc: 568.73 ng/ml



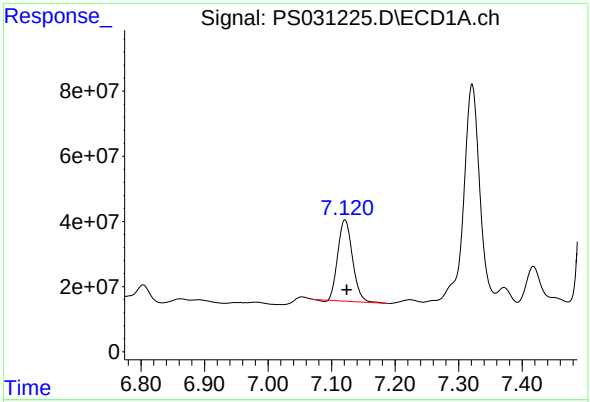
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.484 min
Delta R.T.: -0.003 min
Response: 1601749499
Conc: 290.03 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

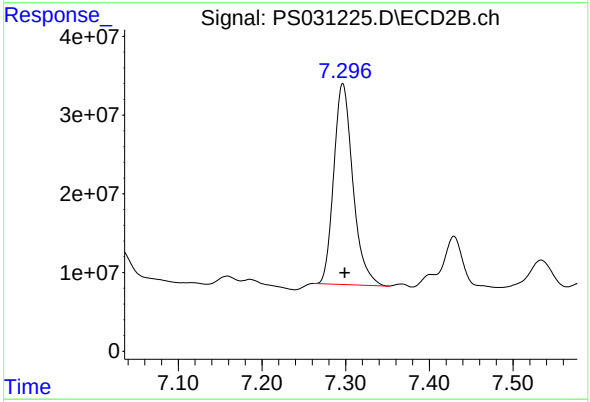
R.T.: 6.710 min
Delta R.T.: -0.003 min
Response: 432050693
Conc: 280.57 ng/ml



#3 4-Nitrophenol

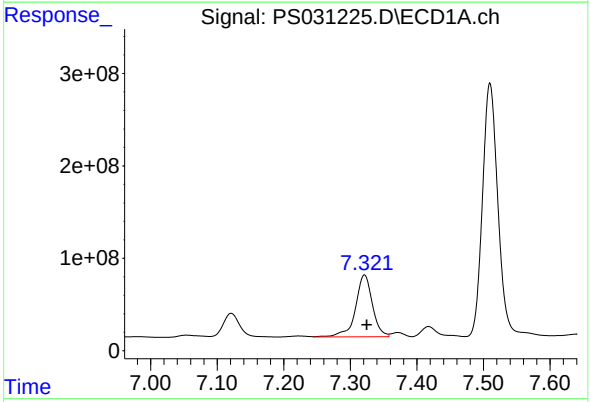
R.T.: 7.121 min
Delta R.T.: -0.003 min
Response: 401714088
Conc: 243.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



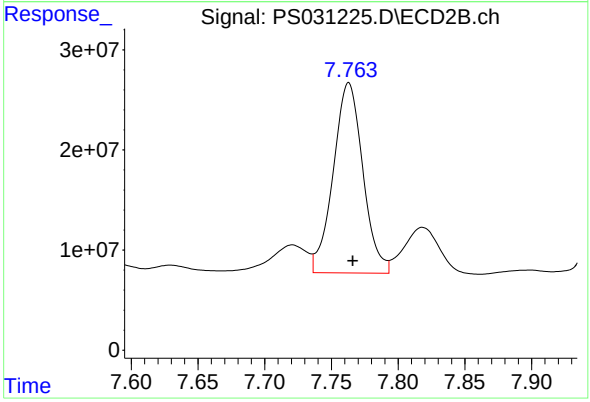
#3 4-Nitrophenol

R.T.: 7.297 min
Delta R.T.: -0.002 min
Response: 405761384
Conc: 224.26 ng/ml



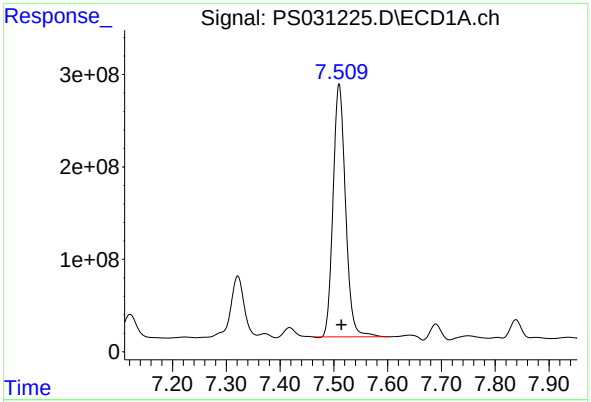
#4 2,4-DCAA

R.T.: 7.321 min
Delta R.T.: -0.003 min
Response: 1182723721
Conc: 272.00 ng/ml



#4 2,4-DCAA

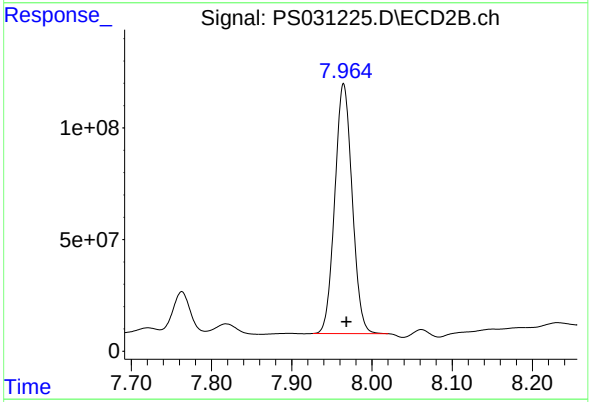
R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 293540872
Conc: 289.21 ng/ml



#5 DICAMBA

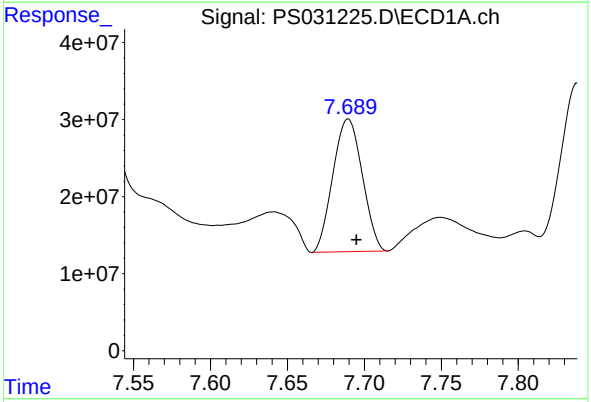
R.T.: 7.510 min
Delta R.T.: -0.004 min
Response: 4385656062
Conc: 265.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



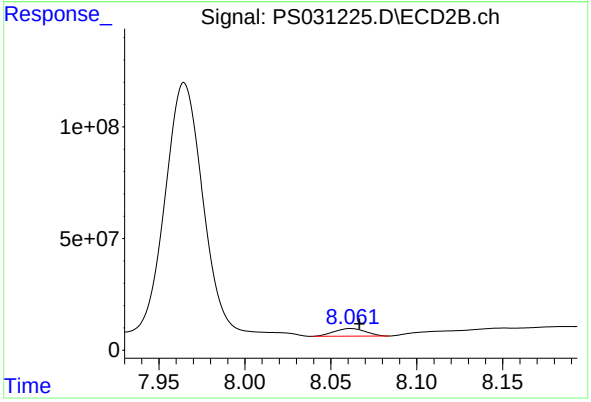
#5 DICAMBA

R.T.: 7.965 min
Delta R.T.: -0.003 min
Response: 1684355051
Conc: 261.00 ng/ml



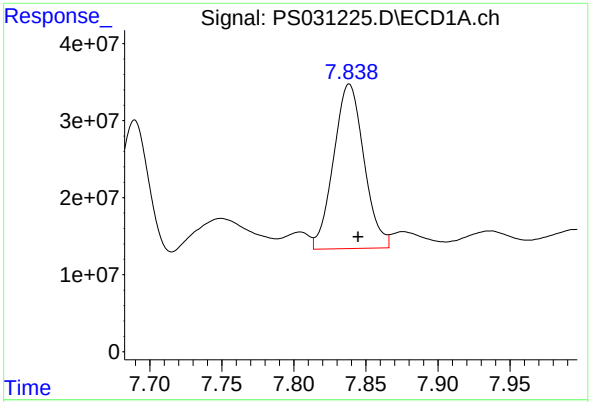
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.005 min
Response: 228389997
Conc: 22.82 ug/ml



#6 MCPP

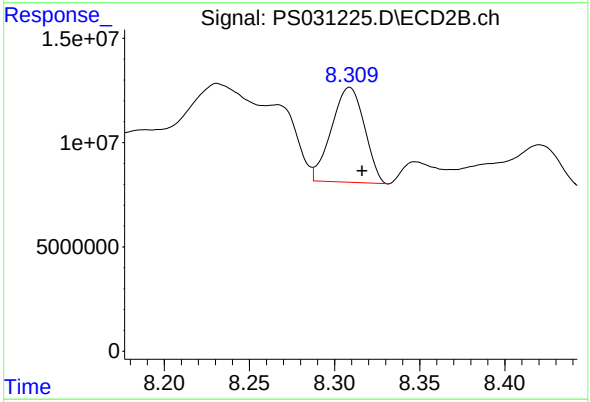
R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 43782966
Conc: 21.07 ug/ml



#7 MCPA

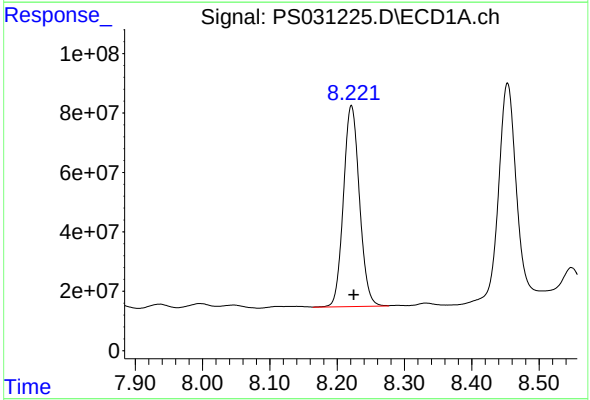
R.T.: 7.838 min
Delta R.T.: -0.006 min
Response: 313549621
Conc: 25.06 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



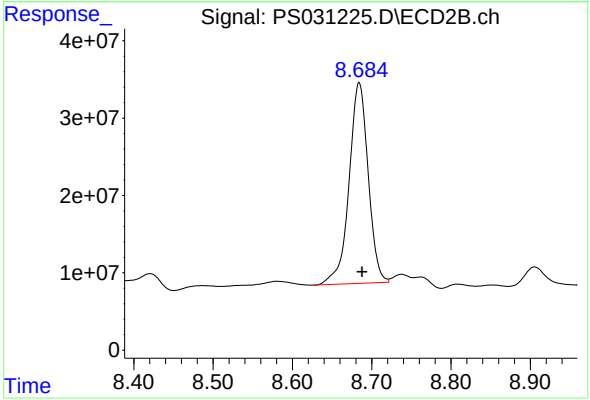
#7 MCPA

R.T.: 8.309 min
Delta R.T.: -0.008 min
Response: 61286173
Conc: 19.42 ug/ml



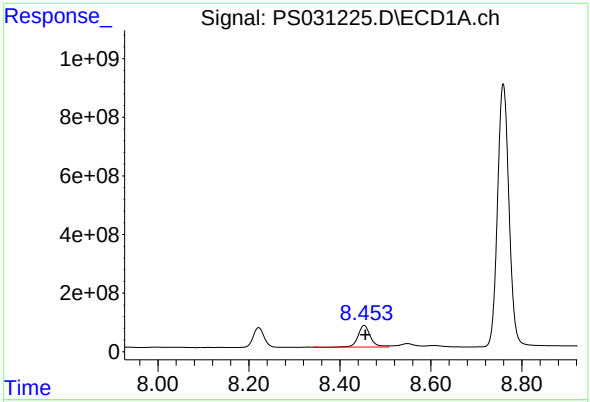
#8 DICHLORPROP

R.T.: 8.221 min
Delta R.T.: -0.003 min
Response: 1120450848
Conc: 293.16 ng/ml



#8 DICHLORPROP

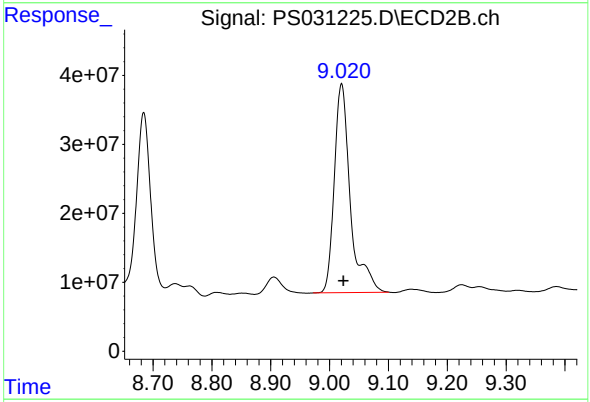
R.T.: 8.684 min
Delta R.T.: -0.003 min
Response: 435109799
Conc: 287.23 ng/ml



#9 2,4-D

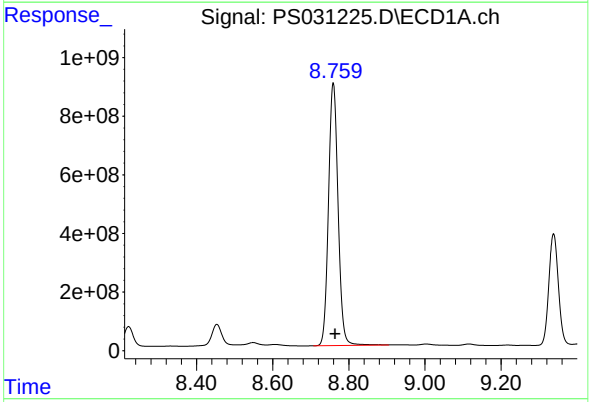
R.T.: 8.453 min
Delta R.T.: -0.003 min
Response: 1400610972
Conc: 375.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



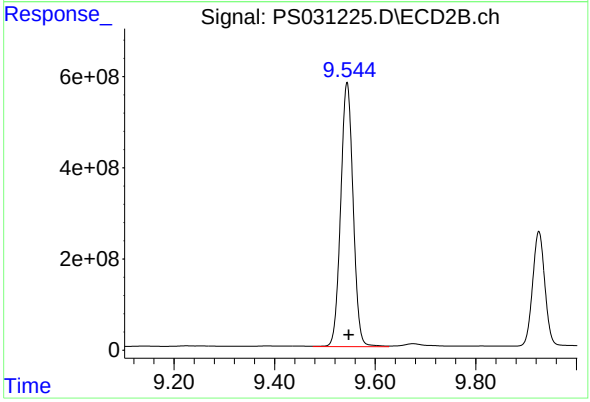
#9 2,4-D

R.T.: 9.020 min
Delta R.T.: -0.003 min
Response: 575895516
Conc: 339.10 ng/ml



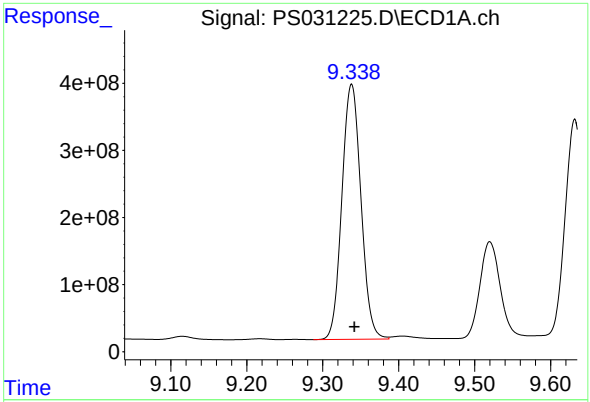
#10 Pentachlorophenol

R.T.: 8.759 min
Delta R.T.: -0.005 min
Response: 15735660963
Conc: 288.09 ng/ml



#10 Pentachlorophenol

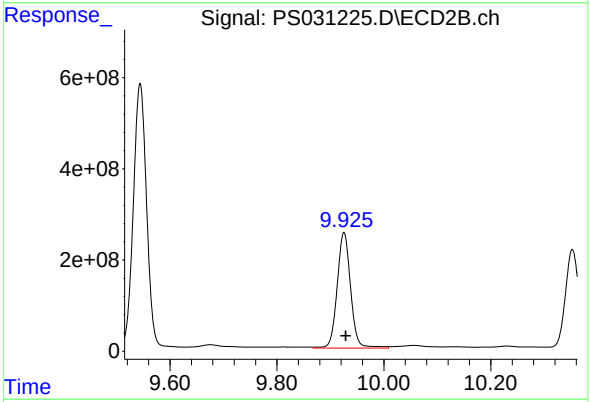
R.T.: 9.544 min
Delta R.T.: -0.003 min
Response: 9959080367
Conc: 254.83 ng/ml



#11 2,4,5-TP (SILVEX)

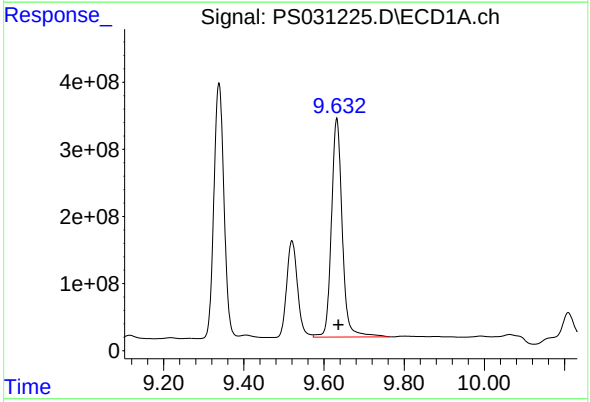
R.T.: 9.338 min
Delta R.T.: -0.004 min
Response: 6625438369
Conc: 301.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



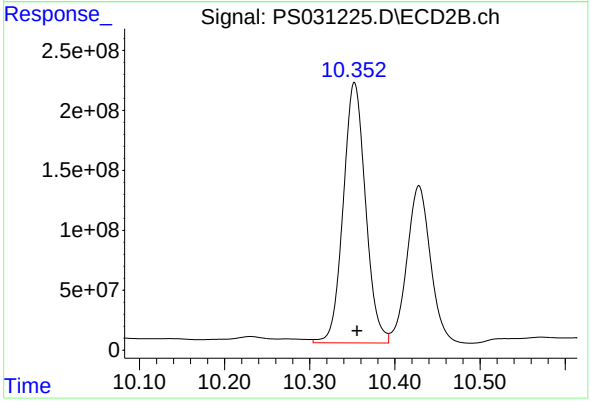
#11 2,4,5-TP (SILVEX)

R.T.: 9.925 min
Delta R.T.: -0.003 min
Response: 4435013296
Conc: 297.77 ng/ml



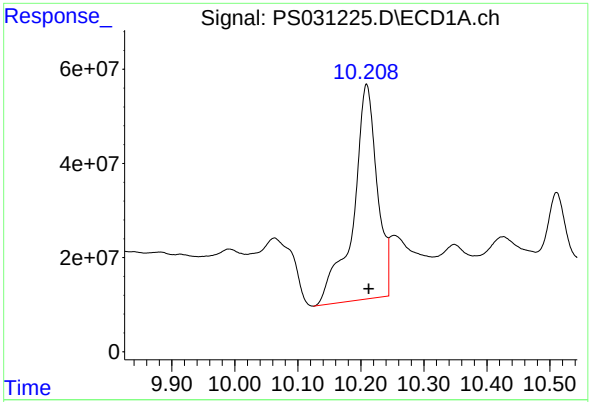
#12 2,4,5-T

R.T.: 9.632 min
Delta R.T.: -0.004 min
Response: 6100607360
Conc: 312.41 ng/ml



#12 2,4,5-T

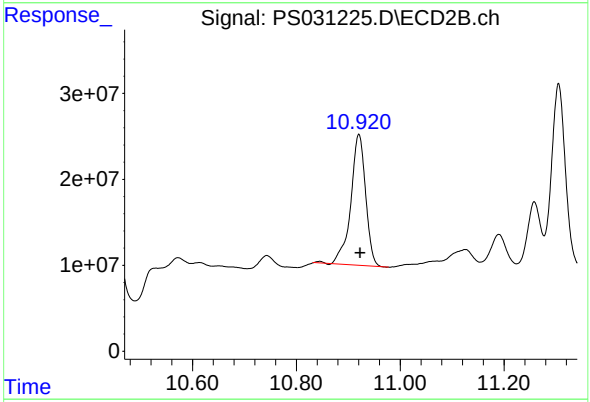
R.T.: 10.353 min
Delta R.T.: -0.003 min
Response: 3952961348
Conc: 278.00 ng/ml



#13 2,4-DB

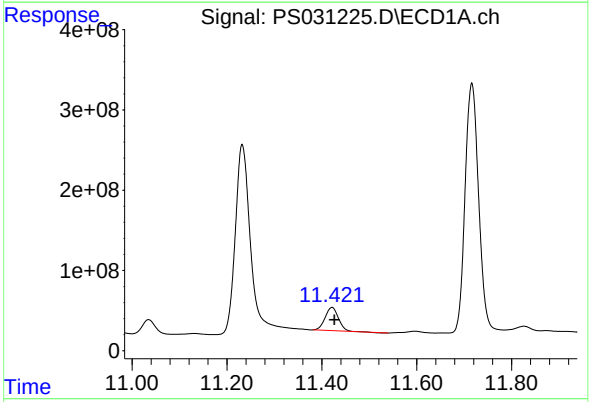
R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 1202751759
Conc: 402.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



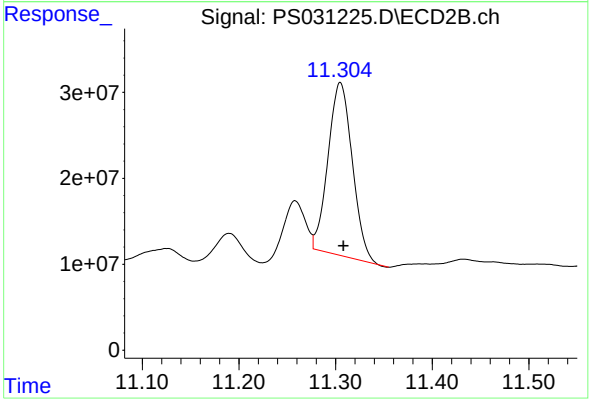
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.002 min
Response: 301954502
Conc: 257.97 ng/ml



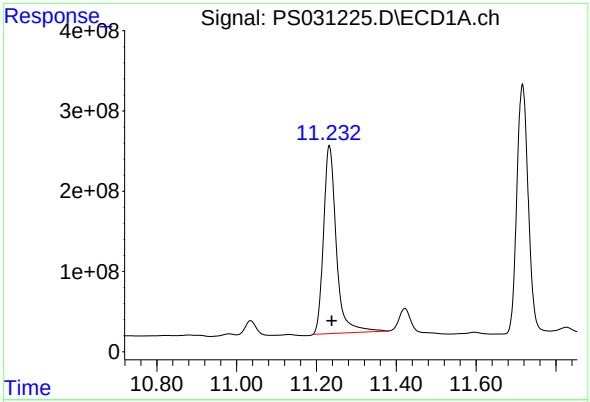
#14 DINOSEB

R.T.: 11.422 min
Delta R.T.: -0.005 min
Response: 555347446
Conc: 35.67 ng/ml



#14 DINOSEB

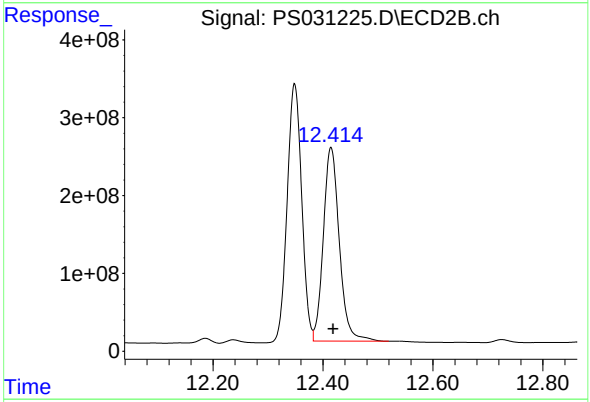
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 351314142
Conc: 31.08 ng/ml



#15 Picloram

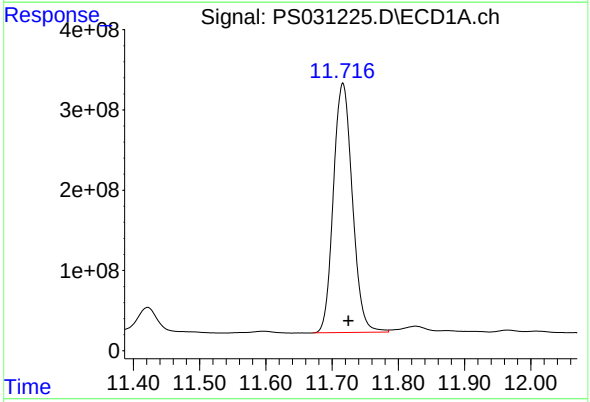
R.T.: 11.232 min
Delta R.T.: -0.007 min
Response: 5206902688
Conc: 260.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-36-071725MSD



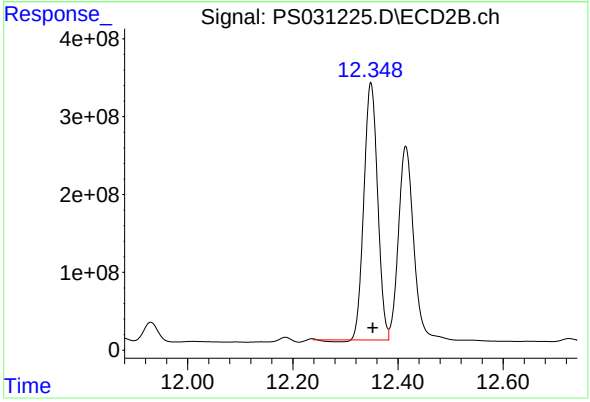
#15 Picloram

R.T.: 12.415 min
Delta R.T.: -0.004 min
Response: 5023983370
Conc: 201.81 ng/ml



#16 DCPA

R.T.: 11.716 min
Delta R.T.: -0.008 min
Response: 6190964117
Conc: 215.76 ng/ml



#16 DCPA

R.T.: 12.348 min
Delta R.T.: -0.003 min
Response: 5963128396
Conc: 258.86 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : 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

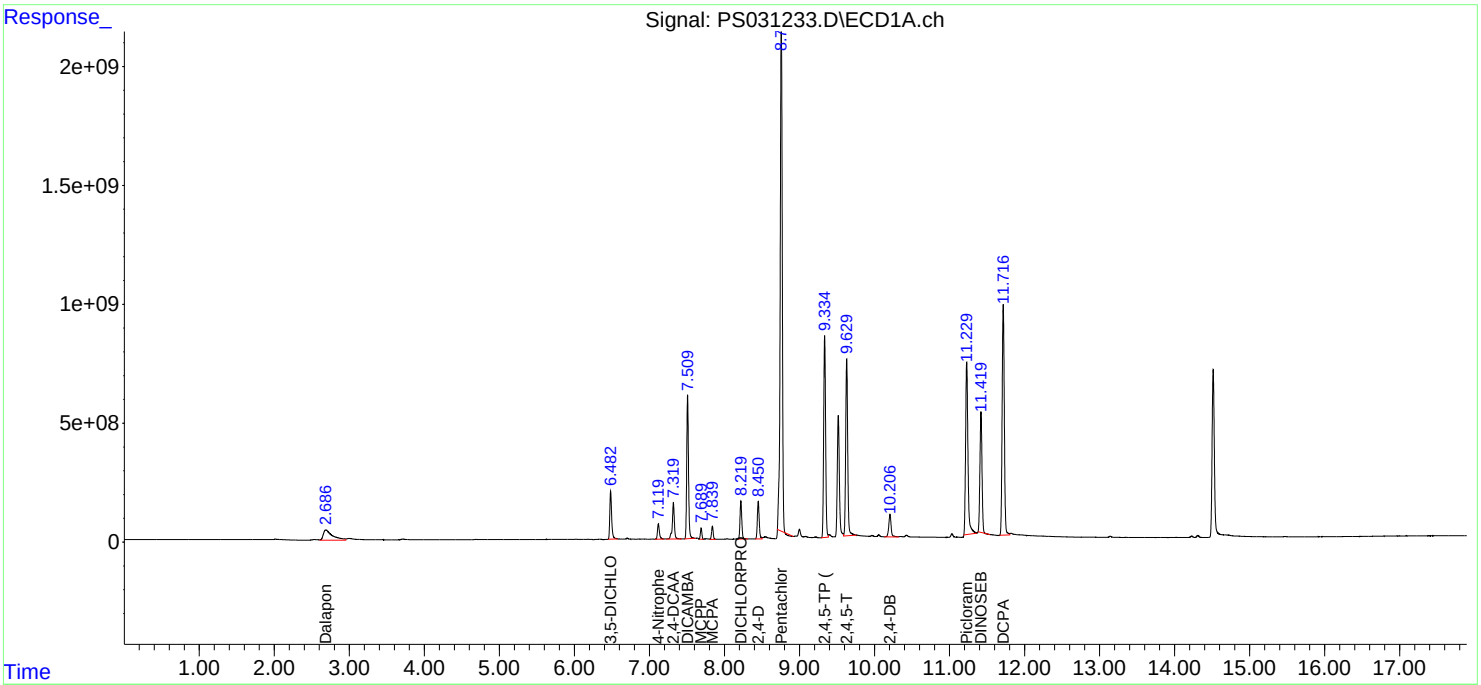
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

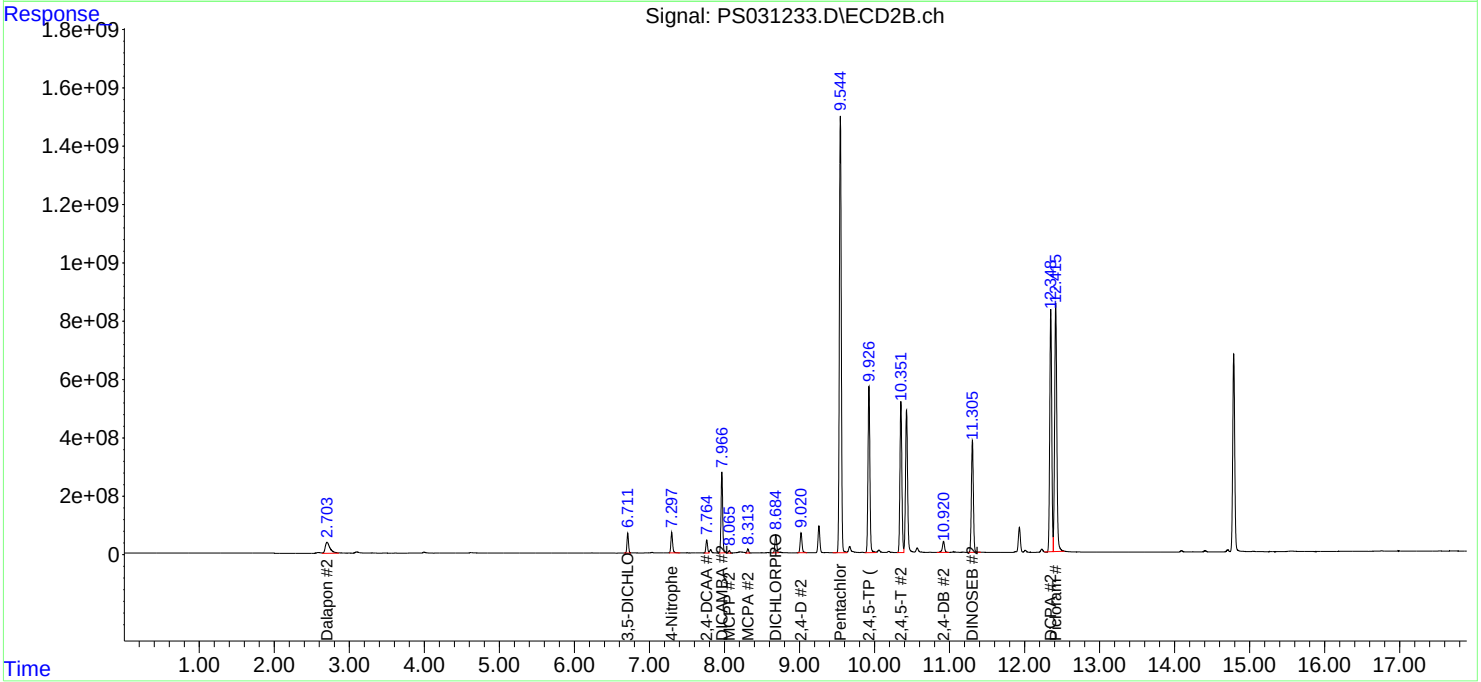
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS072425\
Data File : PS031233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:39
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 35 Sample Multiplier: 1

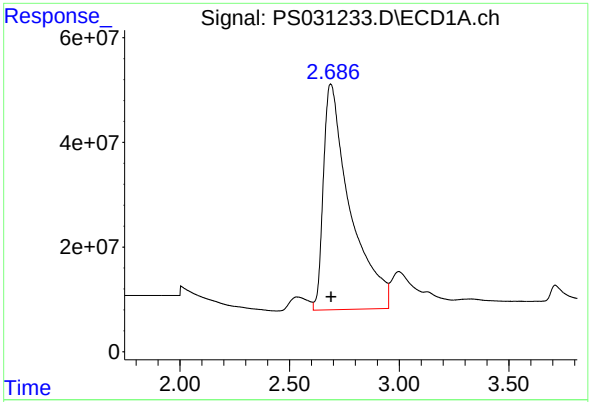
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

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



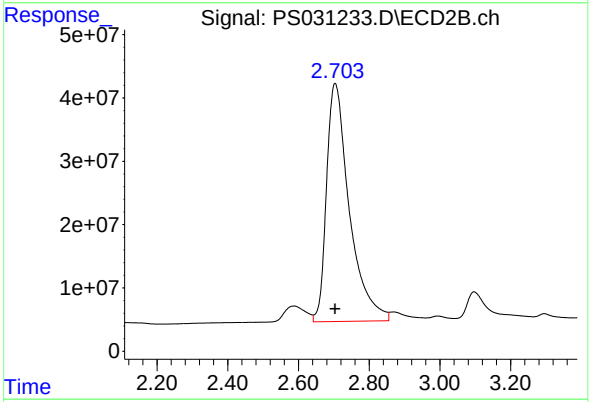




#1 Dalapon

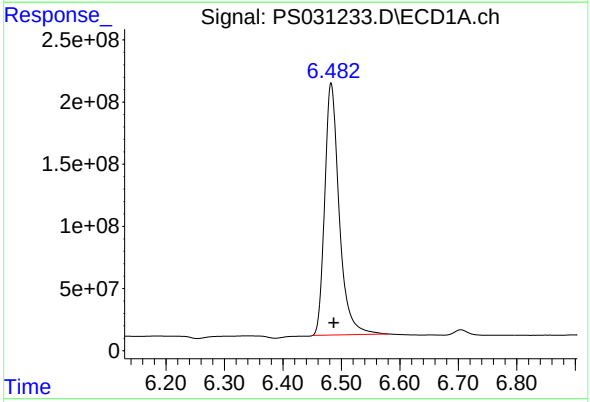
R.T.: 2.687 min
Delta R.T.: -0.003 min
Response: 3646786474
Conc: 581.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



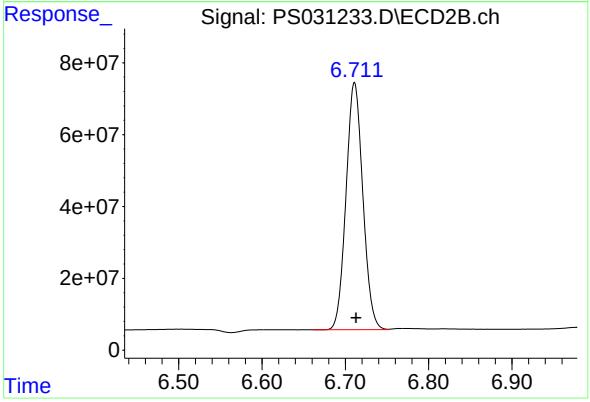
#1 Dalapon

R.T.: 2.704 min
Delta R.T.: 0.000 min
Response: 1685879056
Conc: 594.30 ng/ml



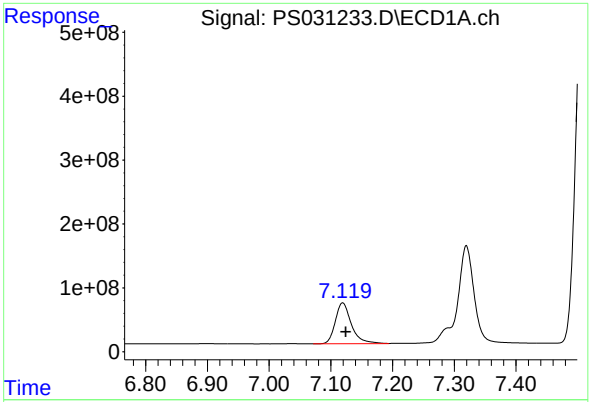
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.482 min
Delta R.T.: -0.004 min
Response: 3487217484
Conc: 631.43 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

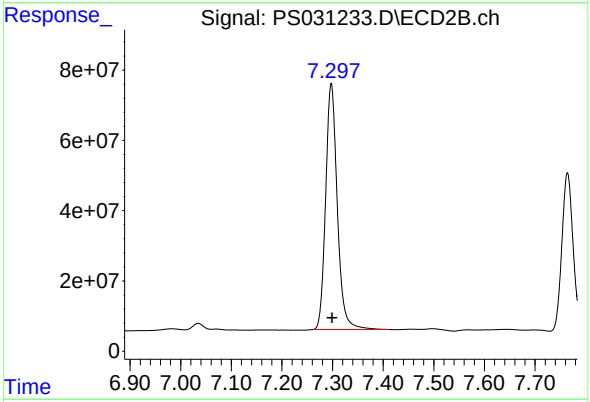
R.T.: 6.711 min
Delta R.T.: -0.002 min
Response: 965457798
Conc: 626.96 ng/ml



#3 4-Nitrophenol

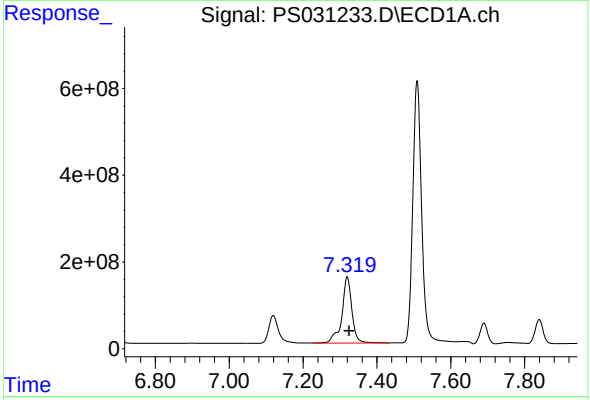
R.T.: 7.119 min
Delta R.T.: -0.005 min
Response: 1161648350
Conc: 704.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



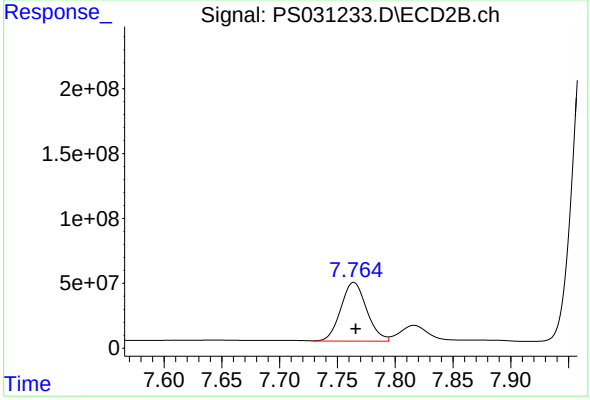
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: -0.002 min
Response: 1119324899
Conc: 618.64 ng/ml



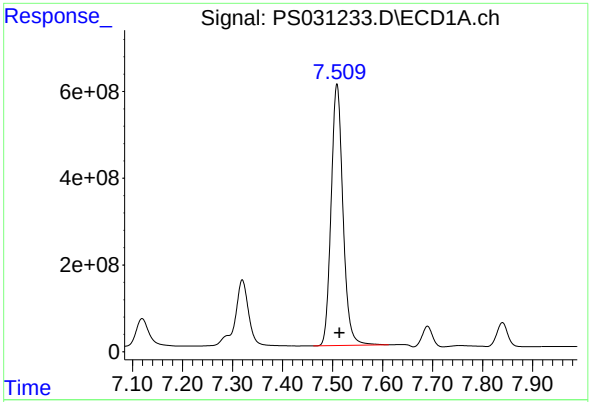
#4 2,4-DCAA

R.T.: 7.319 min
Delta R.T.: -0.005 min
Response: 2897435123
Conc: 666.34 ng/ml



#4 2,4-DCAA

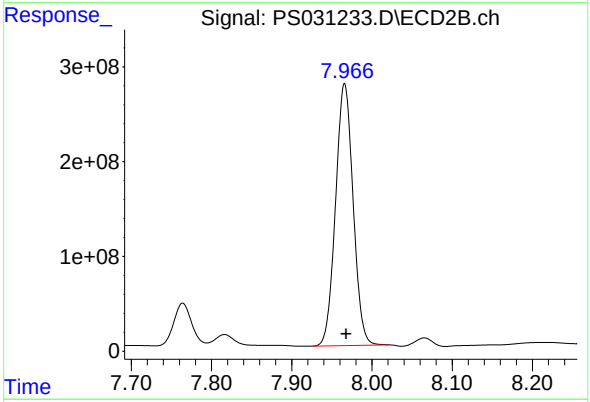
R.T.: 7.764 min
Delta R.T.: -0.002 min
Response: 704155508
Conc: 693.77 ng/ml



#5 DICAMBA

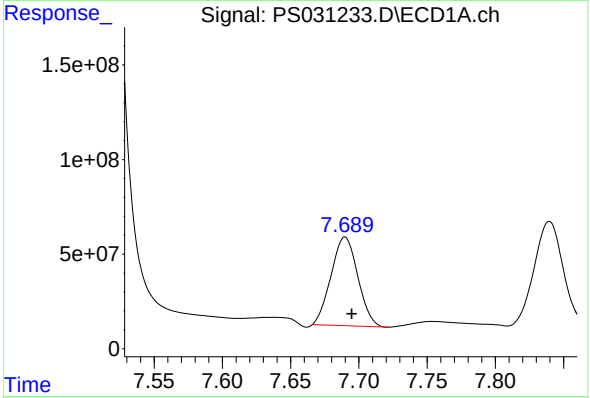
R.T.: 7.509 min
Delta R.T.: -0.005 min
Response: 9918771681
Conc: 601.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



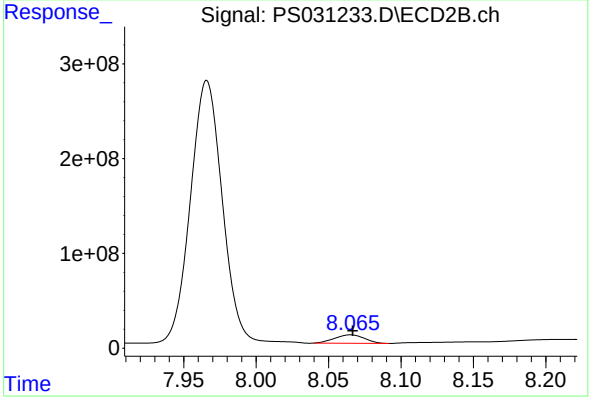
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 4200124781
Conc: 650.84 ng/ml



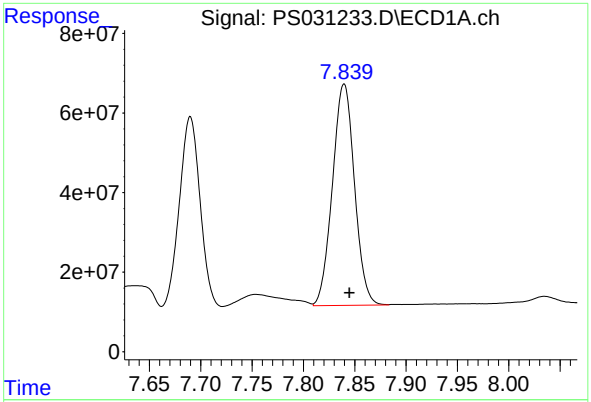
#6 MCPP

R.T.: 7.690 min
Delta R.T.: -0.005 min
Response: 639646471
Conc: 63.90 ug/ml



#6 MCPP

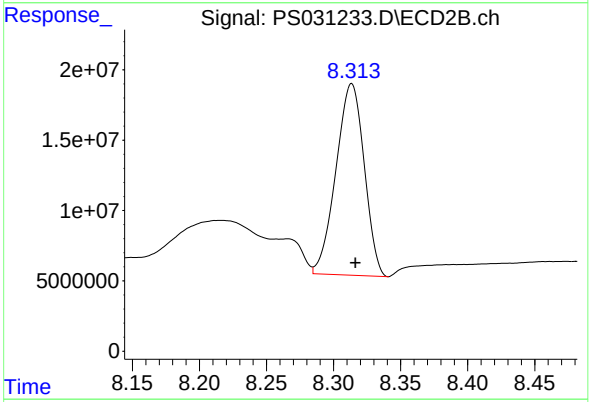
R.T.: 8.065 min
Delta R.T.: -0.001 min
Response: 127986691
Conc: 61.60 ug/ml



#7 MCPA

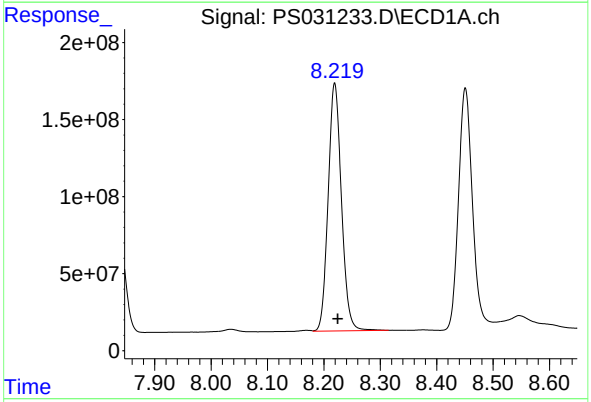
R.T.: 7.840 min
Delta R.T.: -0.005 min
Response: 831645162
Conc: 66.46 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



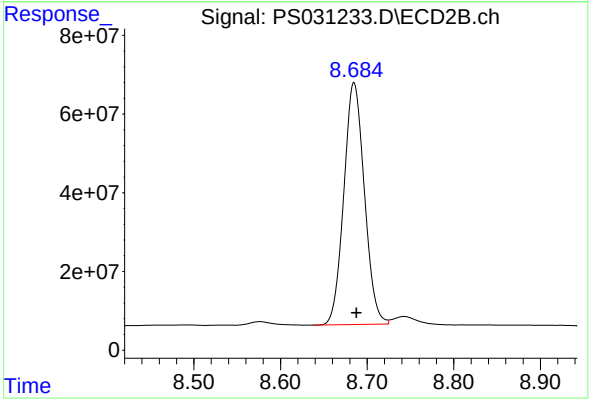
#7 MCPA

R.T.: 8.313 min
Delta R.T.: -0.003 min
Response: 199200038
Conc: 63.13 ug/ml



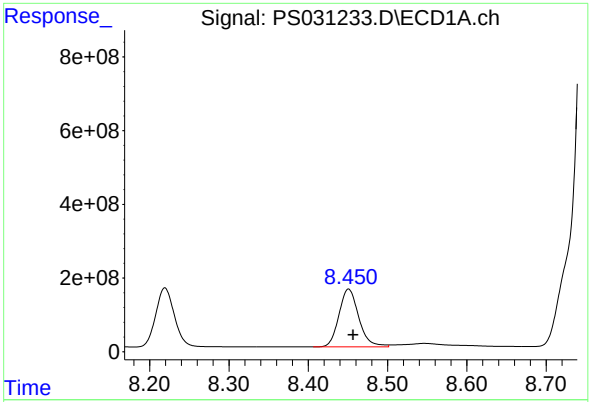
#8 DICHLORPROP

R.T.: 8.219 min
Delta R.T.: -0.005 min
Response: 2628708493
Conc: 687.79 ng/ml



#8 DICHLORPROP

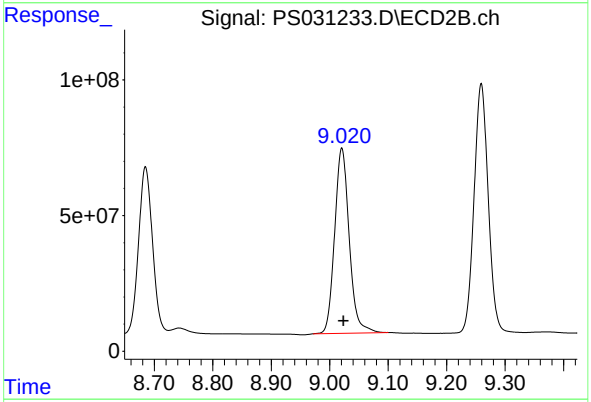
R.T.: 8.685 min
Delta R.T.: -0.003 min
Response: 1015326356
Conc: 670.24 ng/ml



#9 2,4-D

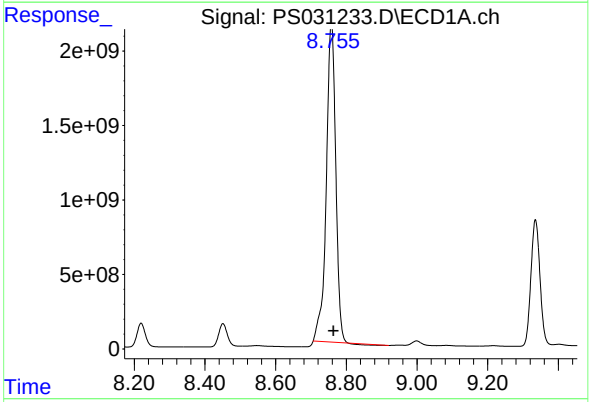
R.T.: 8.451 min
Delta R.T.: -0.006 min
Response: 2723897944
Conc: 729.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



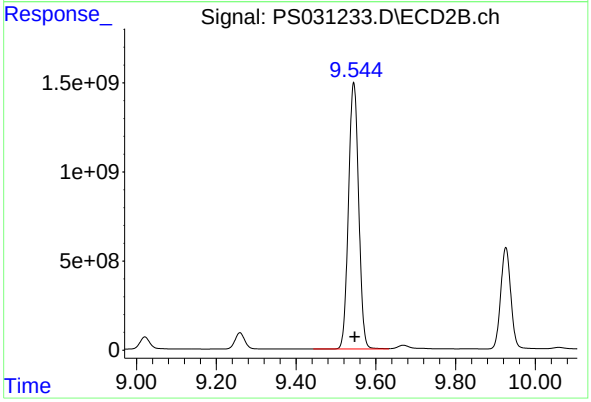
#9 2,4-D

R.T.: 9.021 min
Delta R.T.: -0.003 min
Response: 1183069685
Conc: 696.61 ng/ml



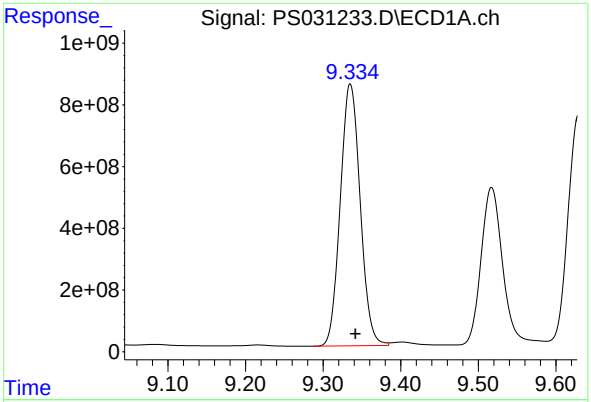
#10 Pentachlorophenol

R.T.: 8.758 min
Delta R.T.: -0.006 min
Response: 39512363181
Conc: 723.38 ng/ml



#10 Pentachlorophenol

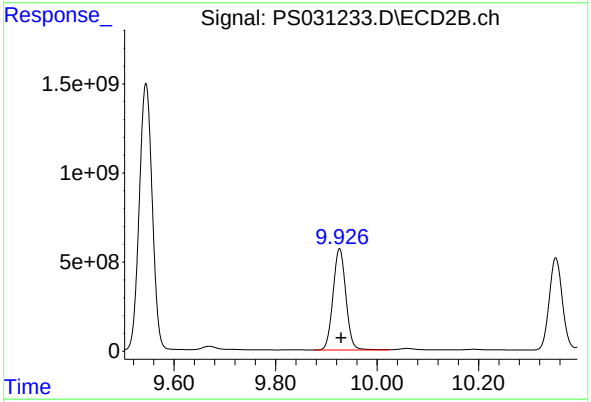
R.T.: 9.545 min
Delta R.T.: -0.003 min
Response: 26526744051
Conc: 678.76 ng/ml



#11 2,4,5-TP (SILVEX)

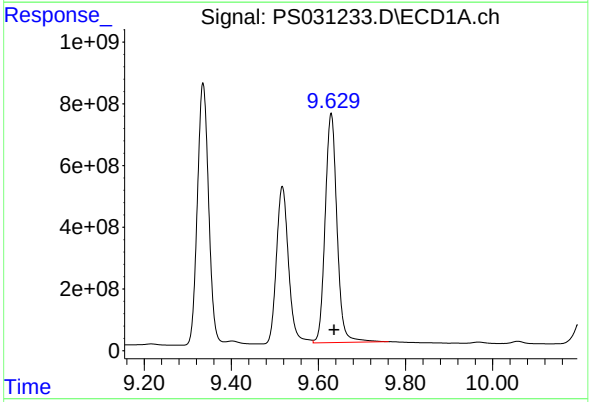
R.T.: 9.335 min
Delta R.T.: -0.007 min
Response: 15136567168
Conc: 689.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



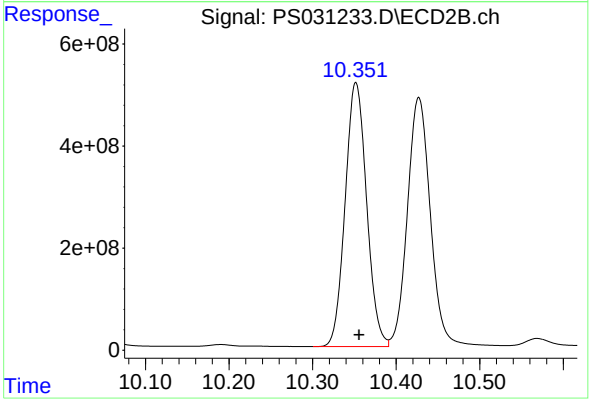
#11 2,4,5-TP (SILVEX)

R.T.: 9.926 min
Delta R.T.: -0.003 min
Response: 10005926582
Conc: 671.80 ng/ml



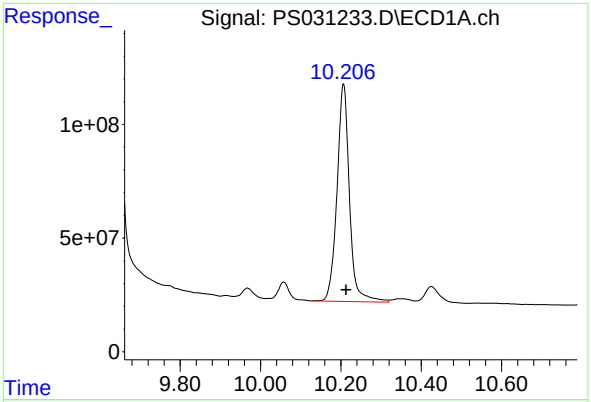
#12 2,4,5-T

R.T.: 9.629 min
Delta R.T.: -0.007 min
Response: 14005933448
Conc: 717.23 ng/ml



#12 2,4,5-T

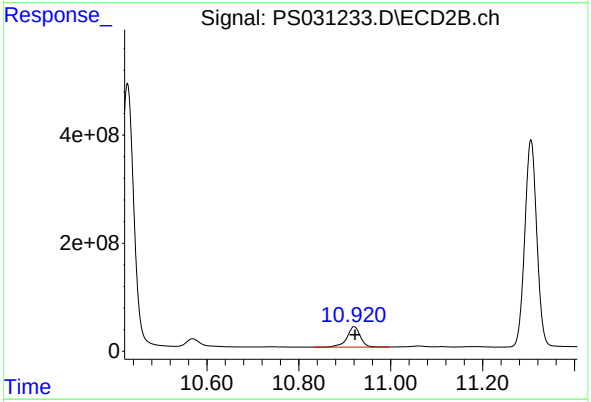
R.T.: 10.352 min
Delta R.T.: -0.004 min
Response: 9233980783
Conc: 649.39 ng/ml



#13 2,4-DB

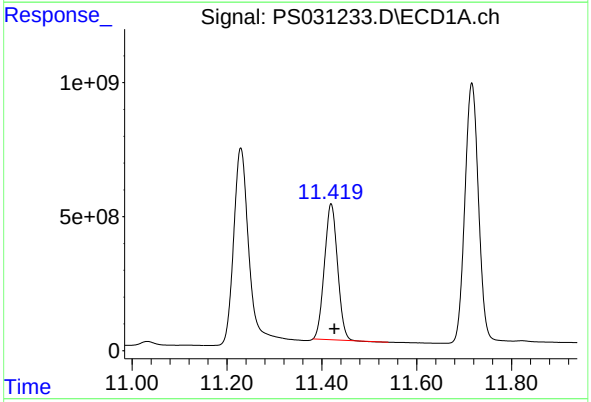
R.T.: 10.207 min
Delta R.T.: -0.006 min
Response: 2059772066
Conc: 688.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



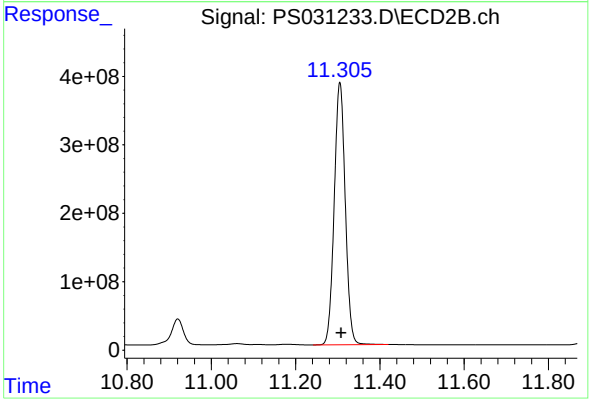
#13 2,4-DB

R.T.: 10.920 min
Delta R.T.: -0.002 min
Response: 764054036
Conc: 652.75 ng/ml



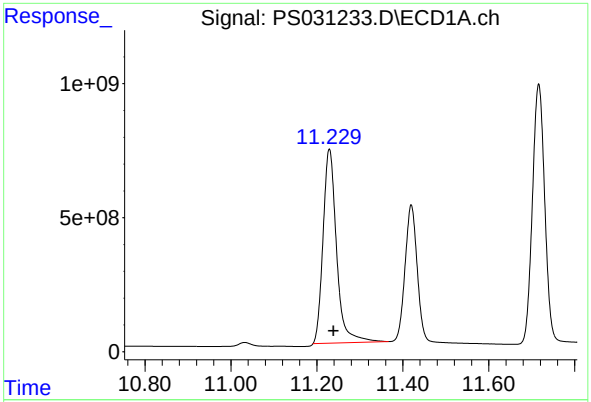
#14 DINOSEB

R.T.: 11.419 min
Delta R.T.: -0.007 min
Response: 9704009222
Conc: 623.27 ng/ml



#14 DINOSEB

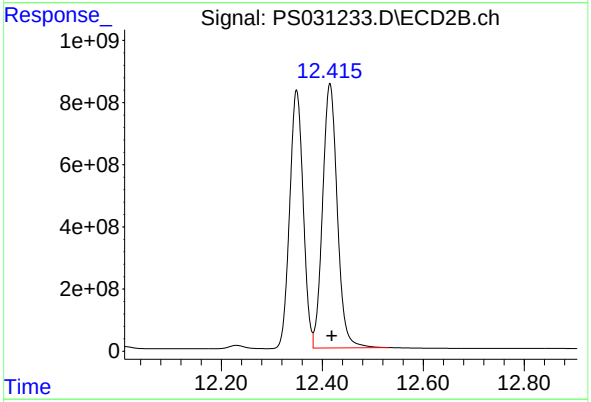
R.T.: 11.305 min
Delta R.T.: -0.003 min
Response: 6972808210
Conc: 616.95 ng/ml



#15 Picloram

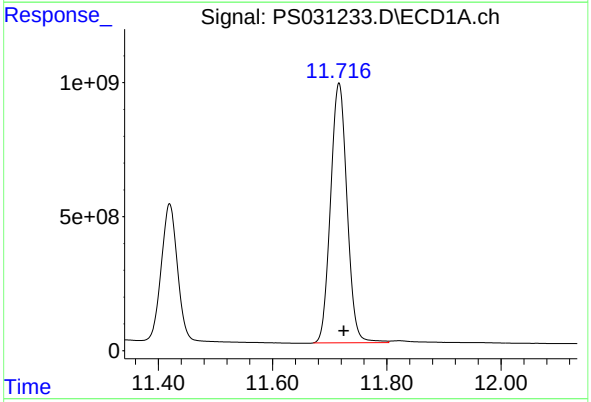
R.T.: 11.229 min
Delta R.T.: -0.010 min
Response: 15822627588
Conc: 790.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



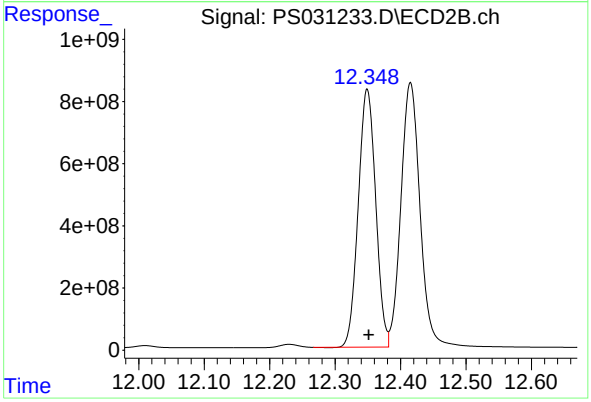
#15 Picloram

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

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:45
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 31 14:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.308	7.758	2269.9E6	598.9E6	779.138	717.158
		Target Compounds						
1)	T	Dalapon	2.684	2.698	3363.6E6	1611.6E6	697.188	656.146
2)	T	3,5-DICHL...	6.471	6.706	2577.6E6	886.1E6	604.655	685.711
3)	T	4-Nitroph...	7.110	7.299	752.1E6	822.0E6	738.631	636.741
5)	T	DICAMBA	7.495	7.957	9192.1E6	3649.7E6	711.427	673.276
6)	T	MCPP	7.675	0.000	493.3E6	0	61.340	N.D. #
7)	T	MCPA	7.825	8.304	730.7E6	185.1E6	74.745	71.352
8)	T	DICHLORPROP	8.205	8.678	2145.0E6	874.8E6	705.605	672.873
9)	T	2,4-D	8.438	9.017	2037.0E6	952.6E6	785.491	682.631
10)	T	Pentachlo...	8.737	9.529	35833.6E6	24399.9E6	787.920	728.433
11)	T	2,4,5-TP ...	9.318	9.915	12686.5E6	8925.6E6	761.440	702.649
12)	T	2,4,5-T	9.612	10.344	10553.3E6	8182.1E6	793.434	701.444
13)	T	2,4-DB	10.189	10.913	1404.0E6	658.7E6	803.534	681.983
14)	T	DINOSEB	11.396	11.292	8567.7E6	6203.0E6	747.387	664.137
15)	T	Picloram	11.216	12.411	9036.1E6	11860.8E6	771.678	693.822
16)	T	DCPA	11.694	12.336	16081.2E6	13316.6E6	775.515	713.957

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

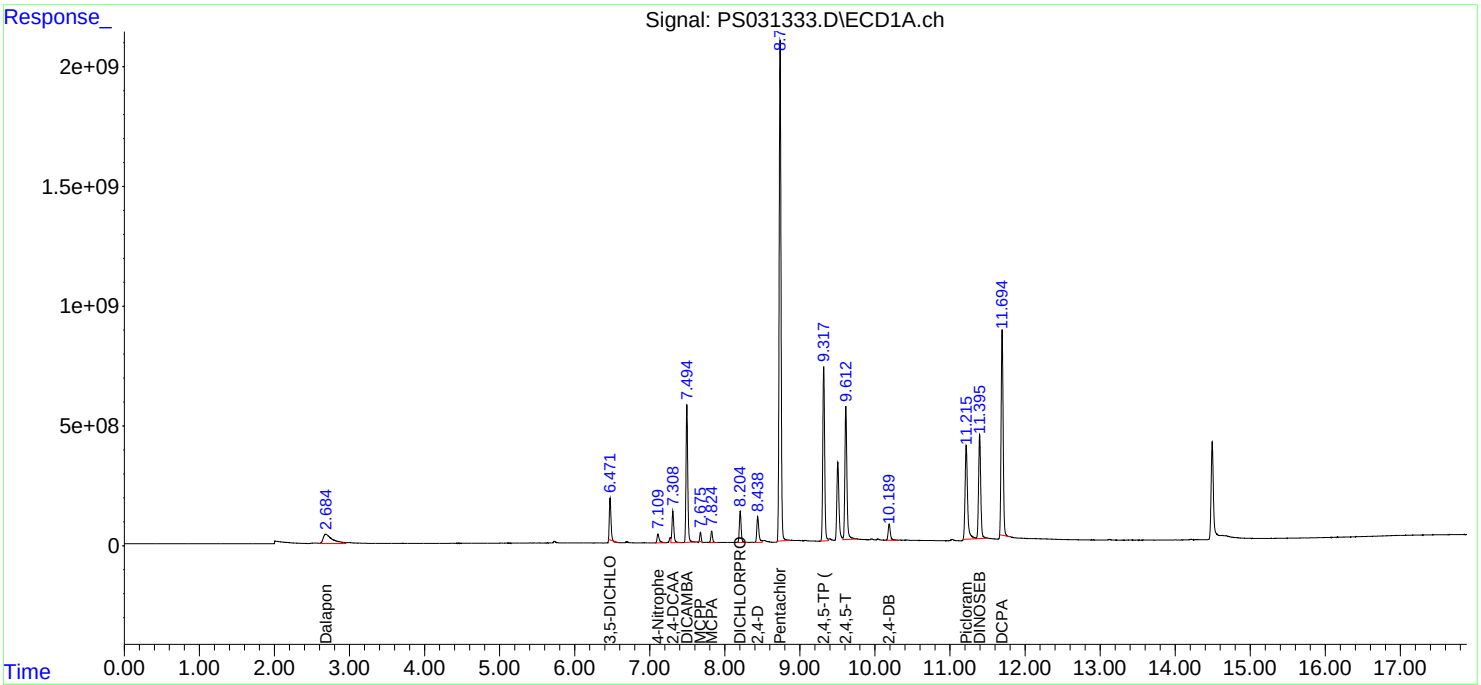
Quantitation Report (Not Reviewed)

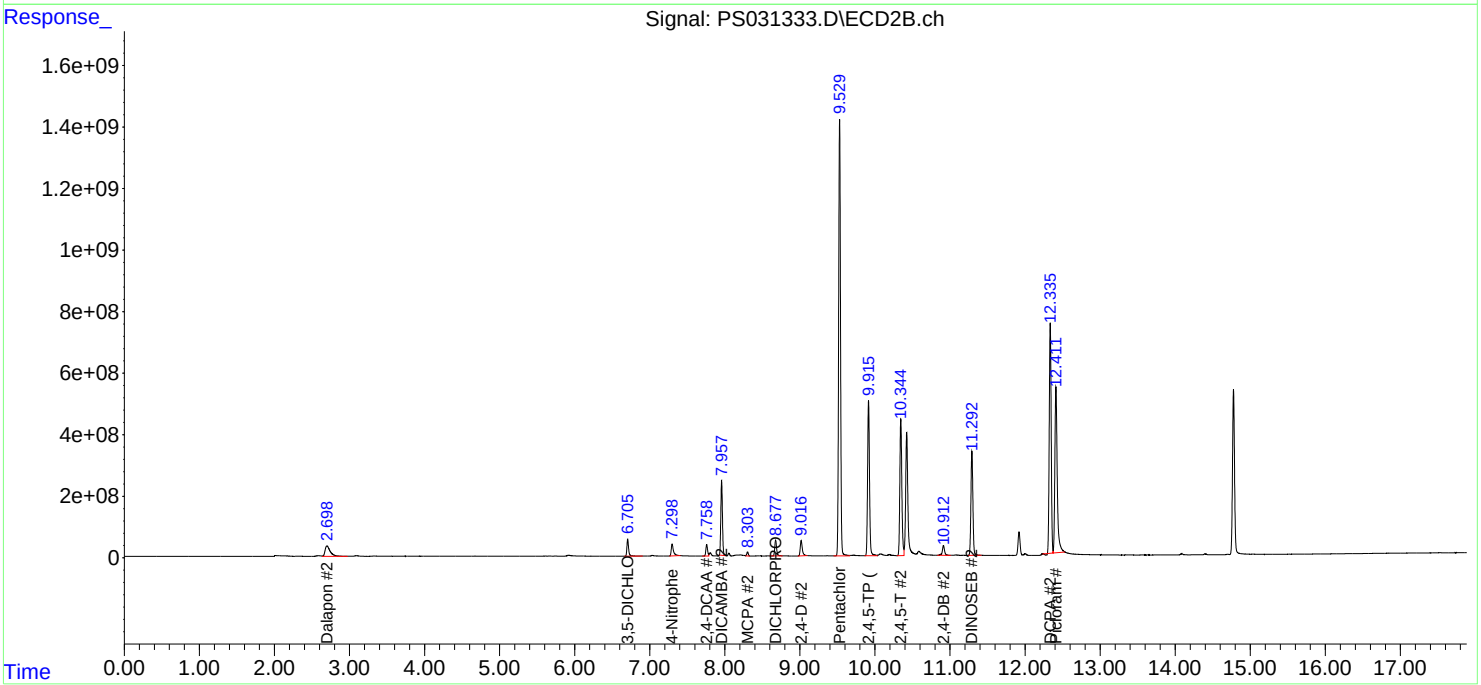
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 10:45
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

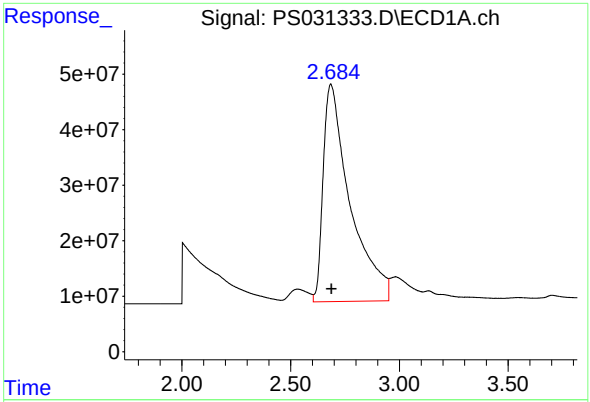
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



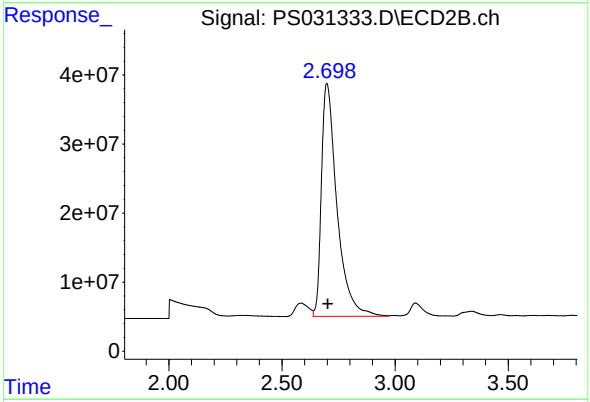




#1 Dalapon

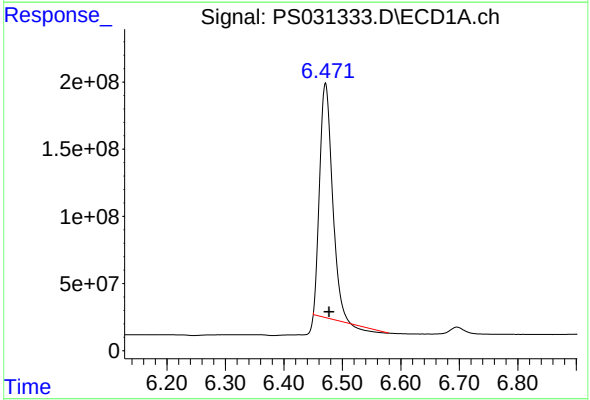
R.T.: 2.684 min
Delta R.T.: -0.003 min
Response: 3363623897
Conc: 697.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



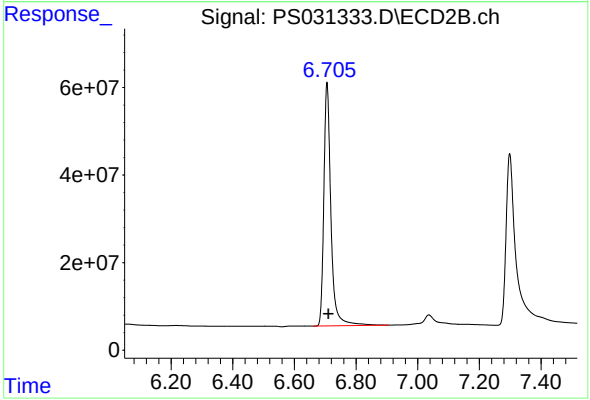
#1 Dalapon

R.T.: 2.698 min
Delta R.T.: -0.005 min
Response: 1611617290
Conc: 656.15 ng/ml



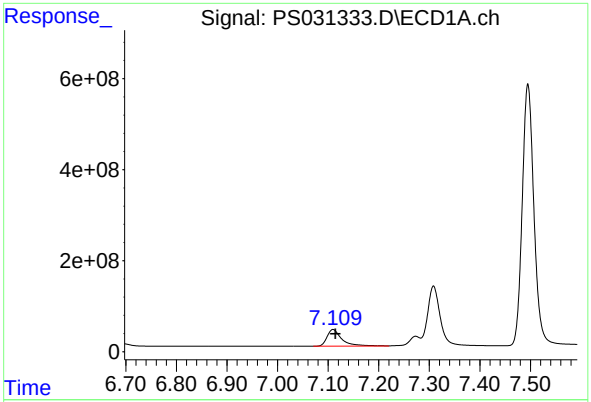
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.471 min
Delta R.T.: -0.006 min
Response: 2577602911
Conc: 604.65 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

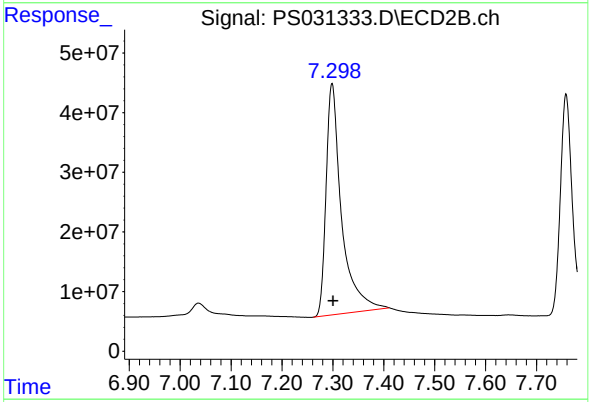
R.T.: 6.706 min
Delta R.T.: -0.005 min
Response: 886124785
Conc: 685.71 ng/ml



#3 4-Nitrophenol

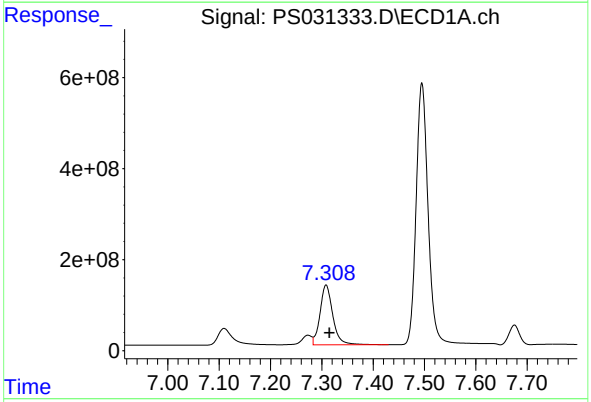
R.T.: 7.110 min
Delta R.T.: -0.005 min
Response: 752075128
Conc: 738.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



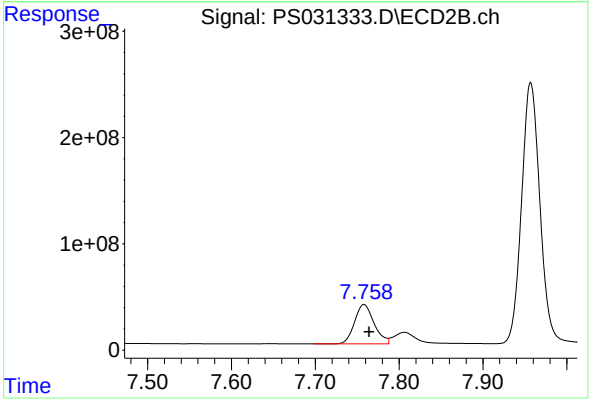
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: -0.002 min
Response: 821976035
Conc: 636.74 ng/ml



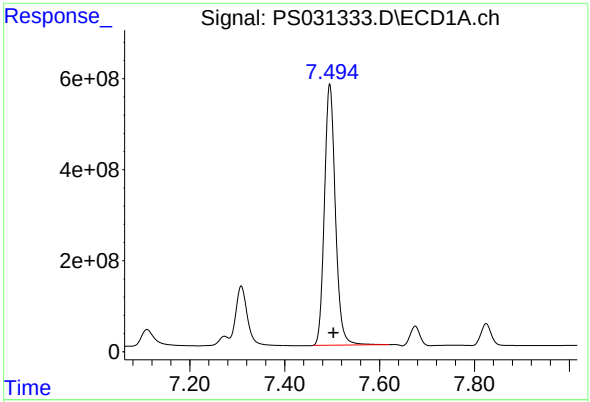
#4 2,4-DCAA

R.T.: 7.308 min
Delta R.T.: -0.006 min
Response: 2269943648
Conc: 779.14 ng/ml



#4 2,4-DCAA

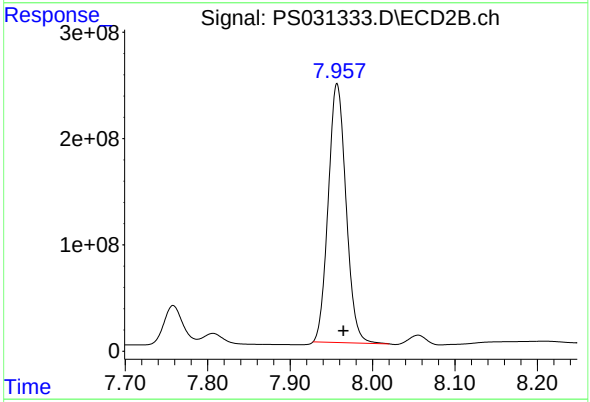
R.T.: 7.758 min
Delta R.T.: -0.006 min
Response: 598885207
Conc: 717.16 ng/ml



#5 DICAMBA

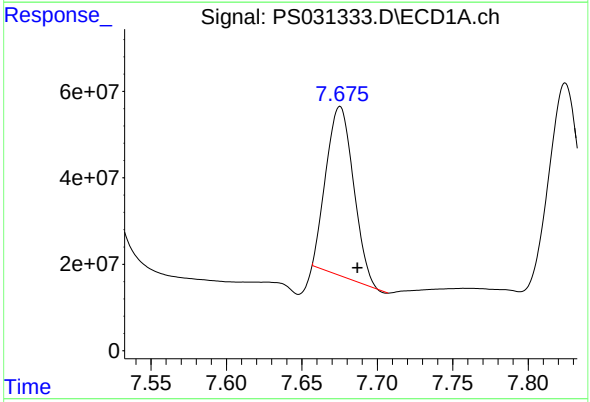
R.T.: 7.495 min
Delta R.T.: -0.008 min
Response: 9192059101
Conc: 711.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



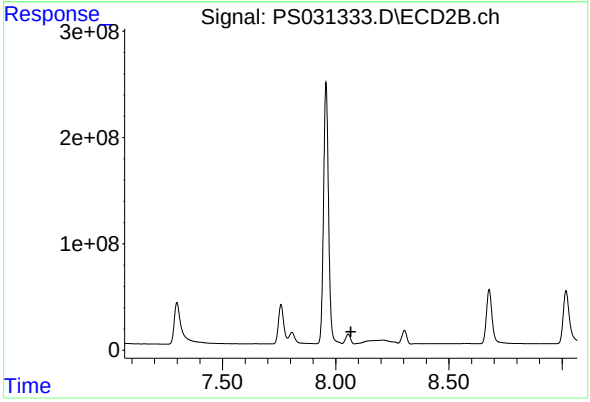
#5 DICAMBA

R.T.: 7.957 min
Delta R.T.: -0.008 min
Response: 3649726683
Conc: 673.28 ng/ml



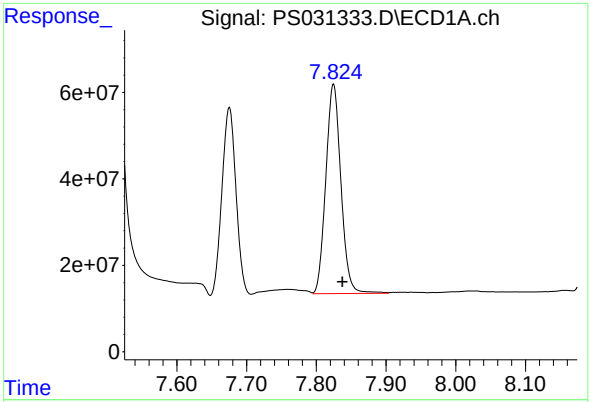
#6 MCPP

R.T.: 7.675 min
Delta R.T.: -0.012 min
Response: 493337002
Conc: 61.34 ug/ml



#6 MCPP

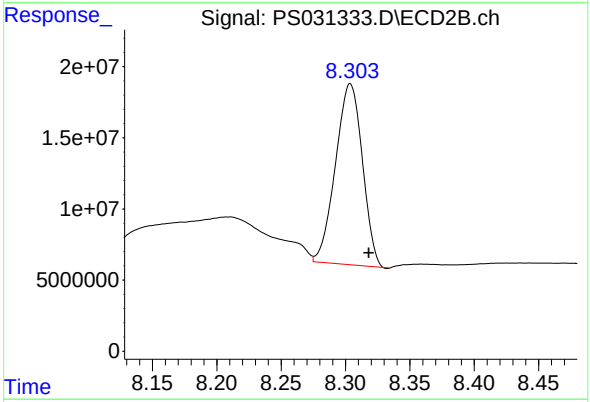
R.T.: 0.000 min
Exp R.T. : 8.067 min
Response: 0
Conc: N.D.



#7 MCPA

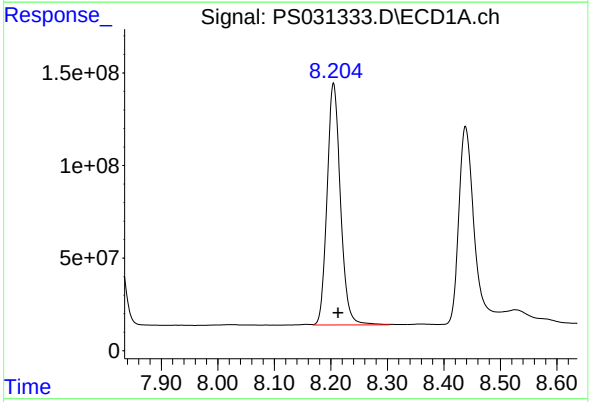
R.T.: 7.825 min
Delta R.T.: -0.013 min
Response: 730704772
Conc: 74.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



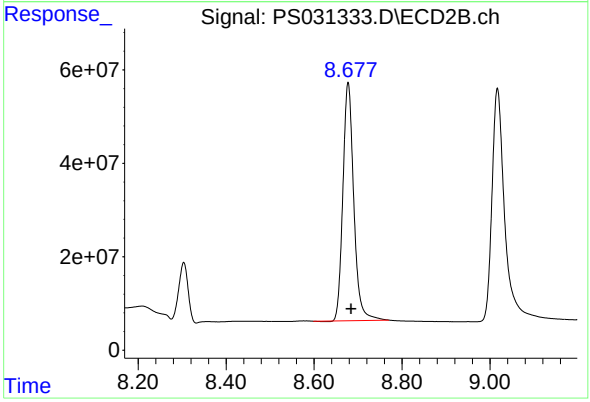
#7 MCPA

R.T.: 8.304 min
Delta R.T.: -0.014 min
Response: 185083793
Conc: 71.35 ug/ml



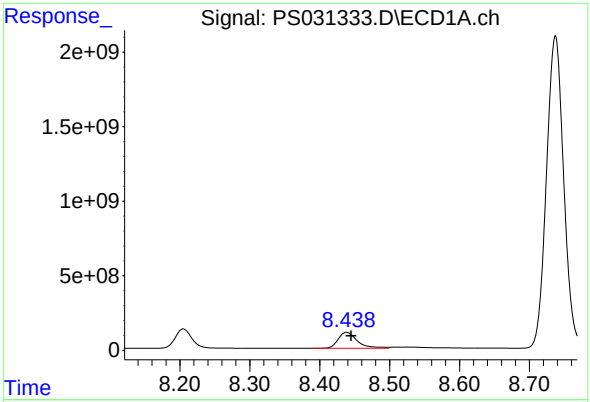
#8 DICHLORPROP

R.T.: 8.205 min
Delta R.T.: -0.008 min
Response: 2145047717
Conc: 705.60 ng/ml



#8 DICHLORPROP

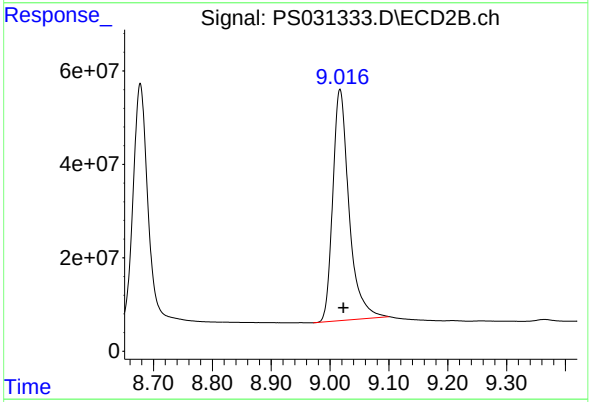
R.T.: 8.678 min
Delta R.T.: -0.007 min
Response: 874774338
Conc: 672.87 ng/ml



#9 2,4-D

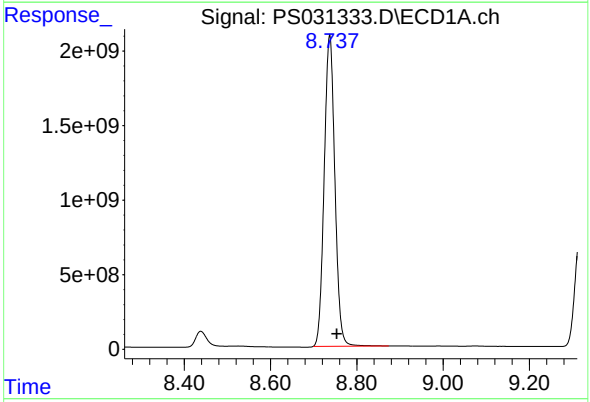
R.T.: 8.438 min
Delta R.T.: -0.007 min
Response: 2037044502
Conc: 785.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



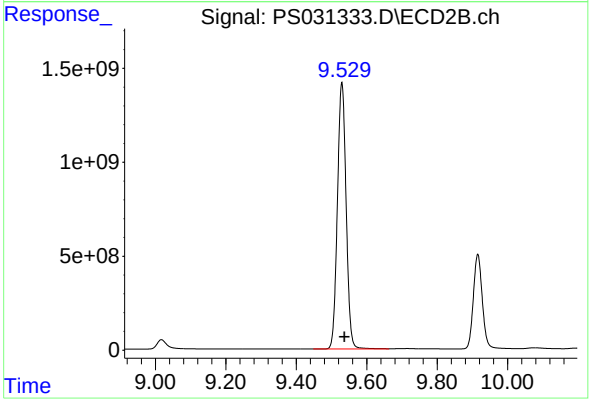
#9 2,4-D

R.T.: 9.017 min
Delta R.T.: -0.006 min
Response: 952632056
Conc: 682.63 ng/ml



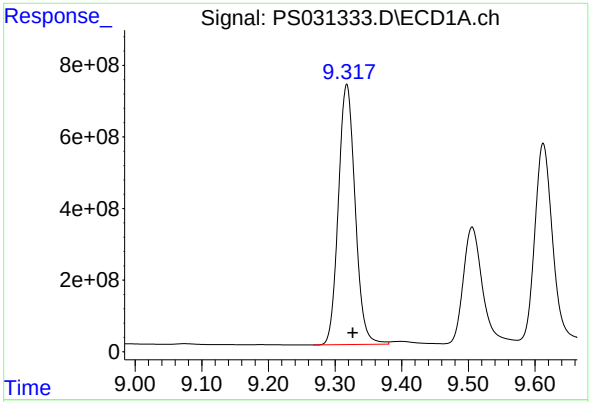
#10 Pentachlorophenol

R.T.: 8.737 min
Delta R.T.: -0.017 min
Response: 35833612807
Conc: 787.92 ng/ml



#10 Pentachlorophenol

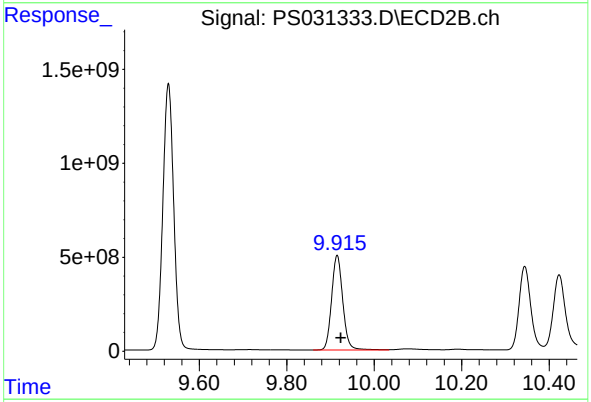
R.T.: 9.529 min
Delta R.T.: -0.008 min
Response: 24399860015
Conc: 728.43 ng/ml



#11 2,4,5-TP (SILVEX)

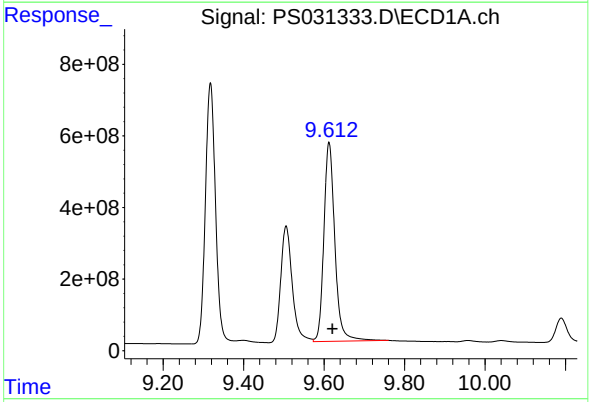
R.T.: 9.318 min
Delta R.T.: -0.009 min
Response: 12686543588
Conc: 761.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



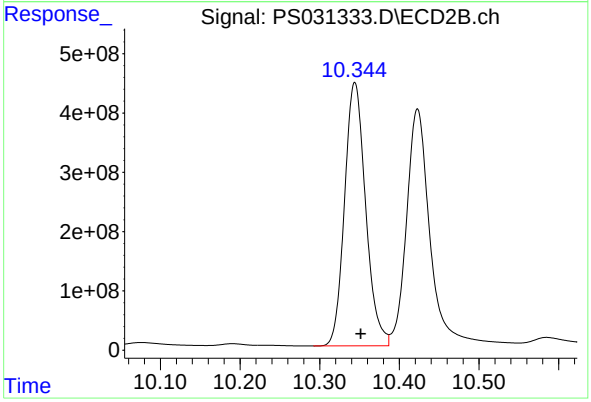
#11 2,4,5-TP (SILVEX)

R.T.: 9.915 min
Delta R.T.: -0.009 min
Response: 8925605339
Conc: 702.65 ng/ml



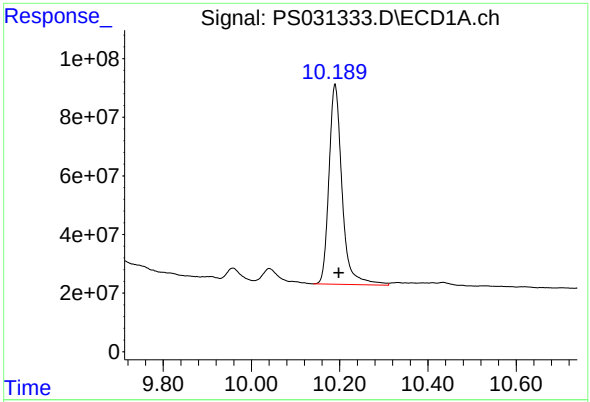
#12 2,4,5-T

R.T.: 9.612 min
Delta R.T.: -0.009 min
Response: 10553261215
Conc: 793.43 ng/ml



#12 2,4,5-T

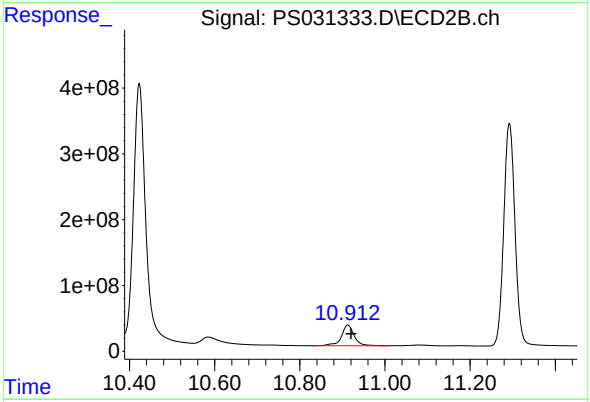
R.T.: 10.344 min
Delta R.T.: -0.007 min
Response: 8182113117
Conc: 701.44 ng/ml



#13 2,4-DB

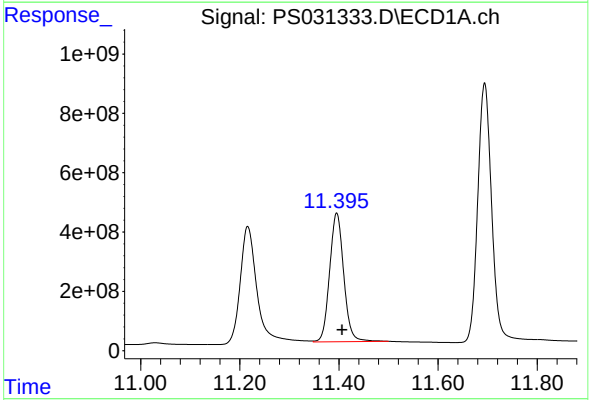
R.T.: 10.189 min
Delta R.T.: -0.009 min
Response: 1403977508
Conc: 803.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



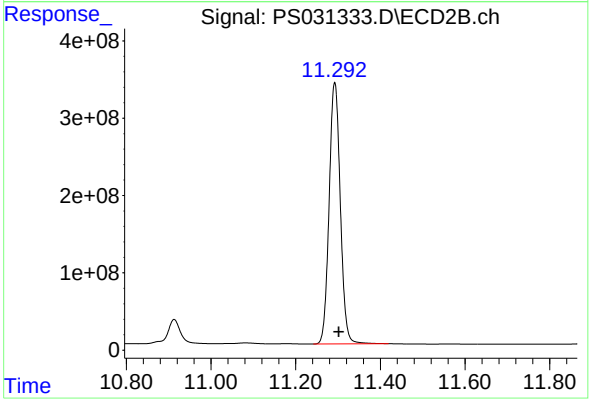
#13 2,4-DB

R.T.: 10.913 min
Delta R.T.: -0.008 min
Response: 658697027
Conc: 681.98 ng/ml



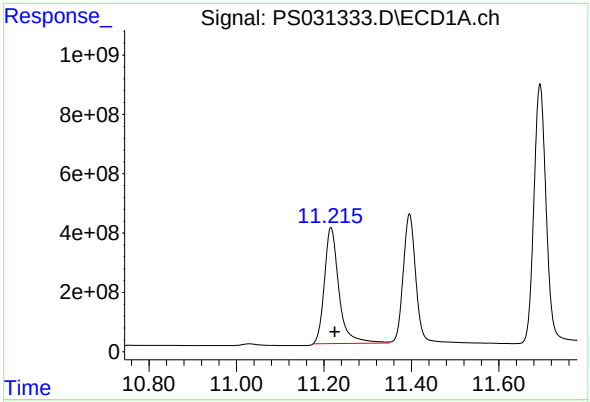
#14 DINOSEB

R.T.: 11.396 min
Delta R.T.: -0.011 min
Response: 8567706114
Conc: 747.39 ng/ml



#14 DINOSEB

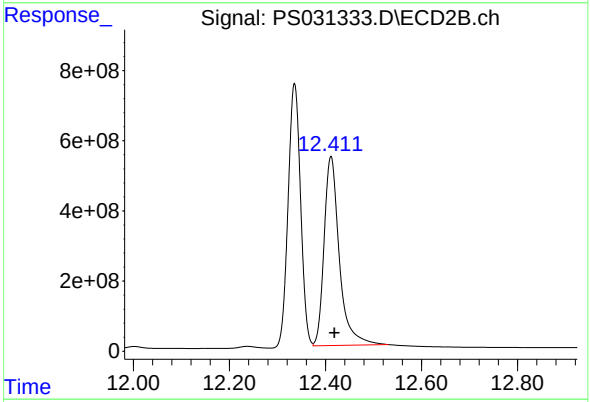
R.T.: 11.292 min
Delta R.T.: -0.010 min
Response: 6202999181
Conc: 664.14 ng/ml



#15 Picloram

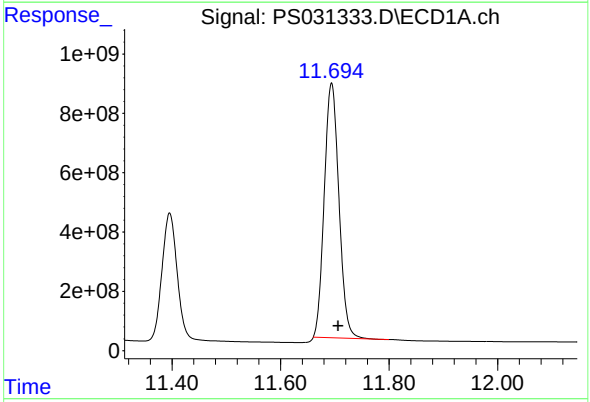
R.T.: 11.216 min
Delta R.T.: -0.009 min
Response: 9036062753
Conc: 771.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



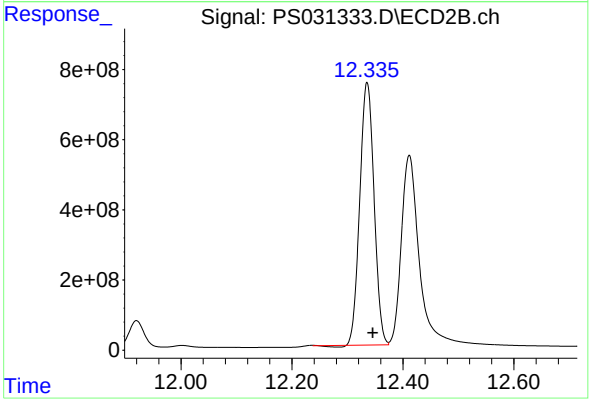
#15 Picloram

R.T.: 12.411 min
Delta R.T.: -0.007 min
Response: 11860829020
Conc: 693.82 ng/ml



#16 DCPA

R.T.: 11.694 min
Delta R.T.: -0.012 min
Response: 16081174498
Conc: 775.51 ng/ml



#16 DCPA

R.T.: 12.336 min
Delta R.T.: -0.010 min
Response: 13316559372
Conc: 713.96 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:12
Operator : AR\AJ
Sample : Q2639-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:32:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.308	7.759	699.5E6	195.2E6	240.094	233.717	
		Target Compounds							
1)	T	Dalapon	2.660f	2.753f	2480.0E6	798.6E6	514.037	325.154	#
2)	T	3,5-DICHL...	6.486	6.743f	7525	13463592	<MDL	10.419	#
3)	T	4-Nitroph...	0.000	7.319	0	16529774	N.D.	12.805	
5)	T	DICAMBA	7.507	7.969	17691965	48396246	1.369	8.928	#
6)	T	MCPP	7.693	8.069	12724787	34269559	1.582	20.048	#
7)	T	MCPA	7.866f	8.274f	120.3E6	98106923	12.310	37.821	#
8)	T	DICHLORPROP	8.250f	8.652f	84424961	44394545	27.771	34.148	
9)	T	2,4-D	8.427	9.041	79681231	-5453552	30.725	N.D.	#
10)	T	Pentachlo...	8.744	9.528	-1270838	26675426	N.D.	<MDL	
11)	T	2,4,5-TP ...	9.352f	9.896f	405668	296.9E6	<MDL	23.370	#
12)	T	2,4,5-T	9.666f	10.345	25747897	236.9E6	1.936	20.313	#
13)	T	2,4-DB	10.177	10.907	17583525	1431036	10.064	1.482	#
14)	T	DINOSEB	0.000	11.309	0	77442218	N.D.	8.292	
15)	T	Picloram	11.219	12.418	27502961	51798602	2.349	3.030	#
16)	T	DCPA	11.692	12.311f	52288530	-9663675	2.522	N.D.	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

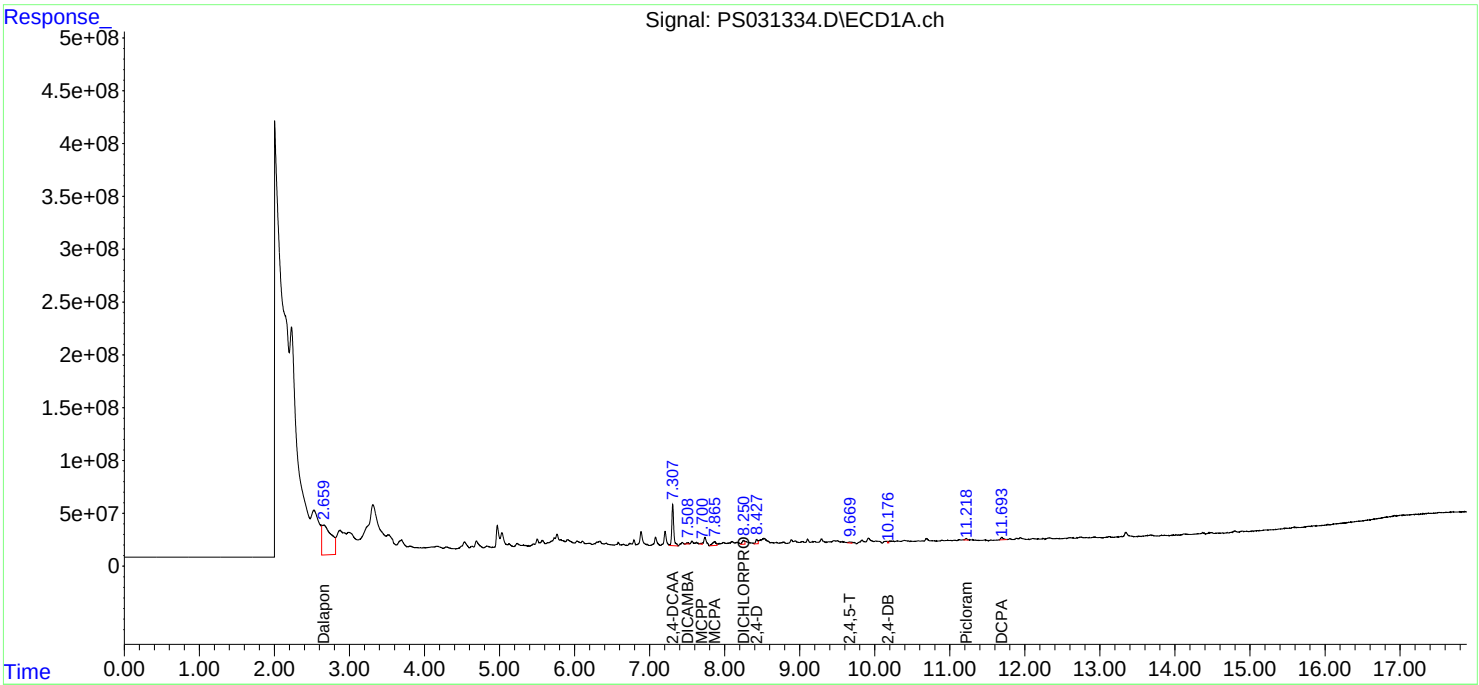
Quantitation Report (Not Reviewed)

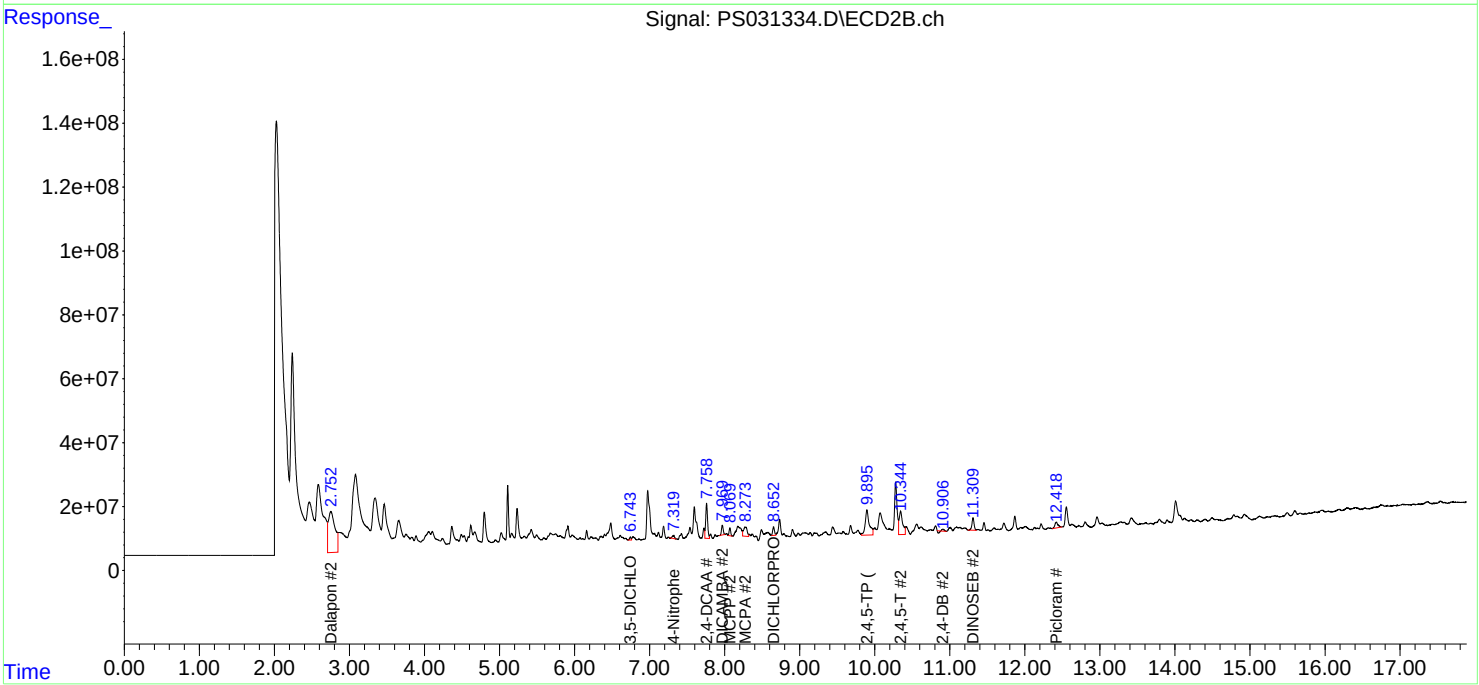
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 11:12
Operator : AR\AJ
Sample : Q2639-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

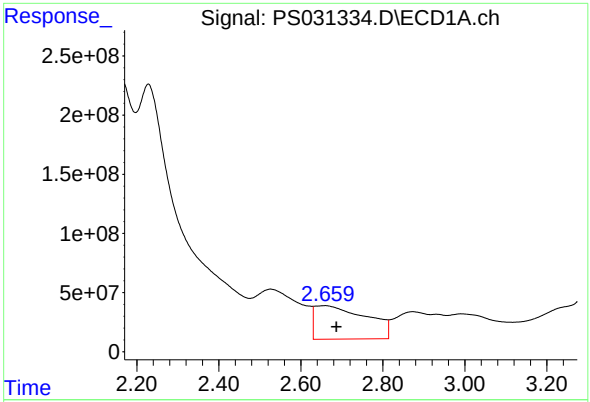
Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:32:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #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



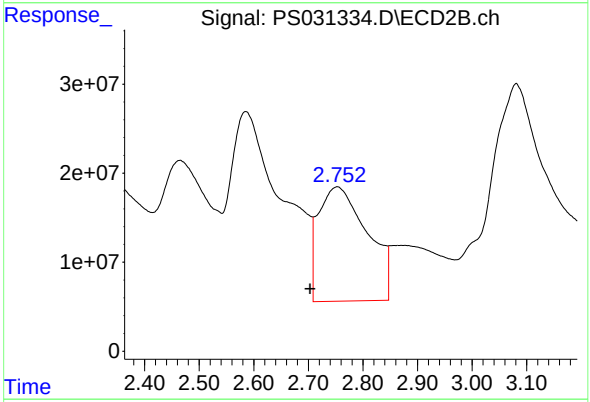




#1 Dalapon

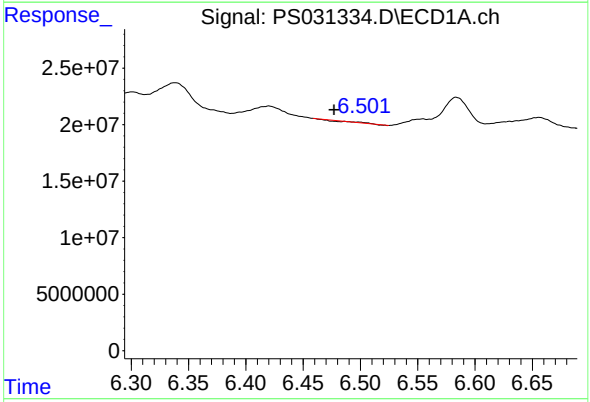
R.T.: 2.660 min
Delta R.T.: -0.027 min
Response: 2480004421
Conc: 514.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725



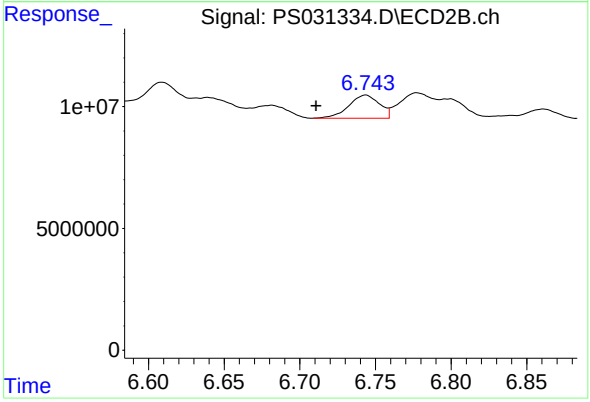
#1 Dalapon

R.T.: 2.753 min
Delta R.T.: 0.050 min
Response: 798639311
Conc: 325.15 ng/ml



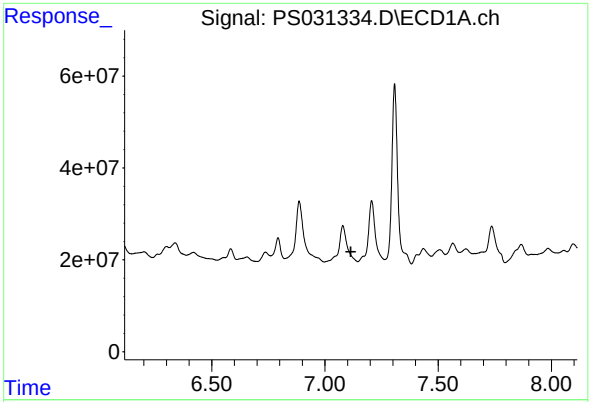
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.486 min
Delta R.T.: 0.009 min
Response: 7525
Conc: N.D.



#2 3,5-DICHLOROBENZOIC ACID

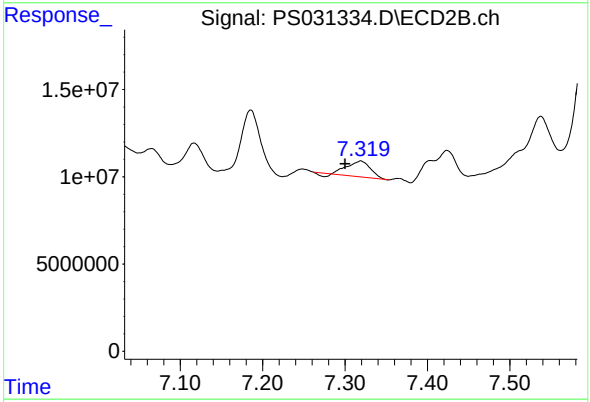
R.T.: 6.743 min
Delta R.T.: 0.032 min
Response: 13463592
Conc: 10.42 ng/ml



#3 4-Nitrophenol

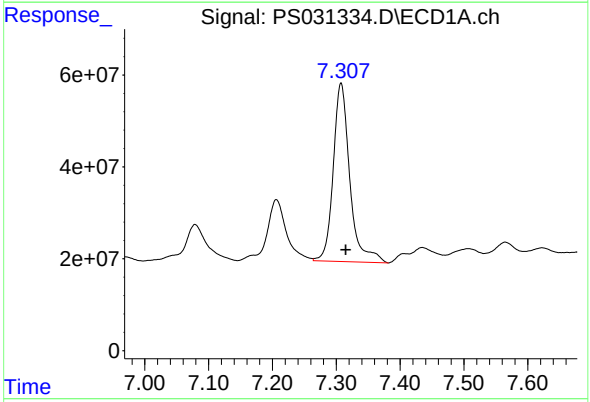
R.T.: 0.000 min
Exp R.T. : 7.114 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725



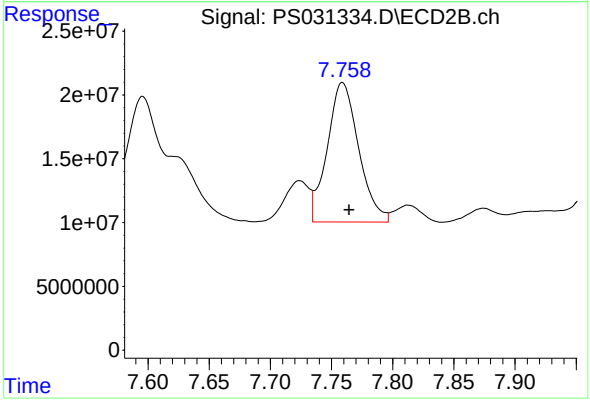
#3 4-Nitrophenol

R.T.: 7.319 min
Delta R.T.: 0.019 min
Response: 16529774
Conc: 12.80 ng/ml



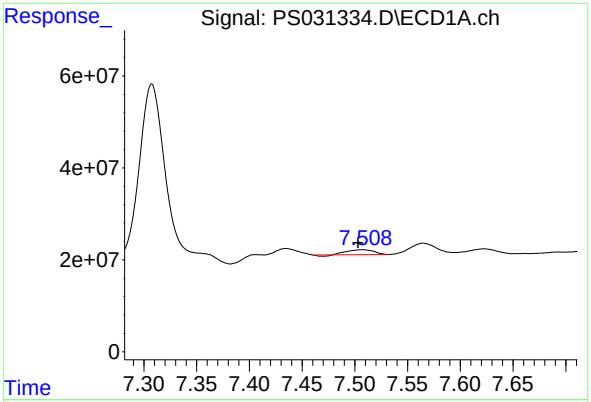
#4 2,4-DCAA

R.T.: 7.308 min
Delta R.T.: -0.007 min
Response: 699490107
Conc: 240.09 ng/ml



#4 2,4-DCAA

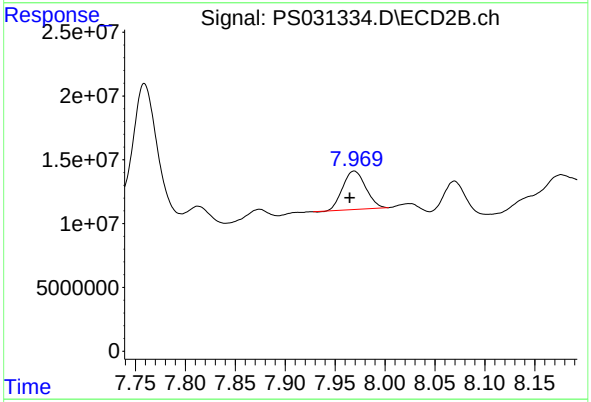
R.T.: 7.759 min
Delta R.T.: -0.005 min
Response: 195172718
Conc: 233.72 ng/ml



#5 DICAMBA

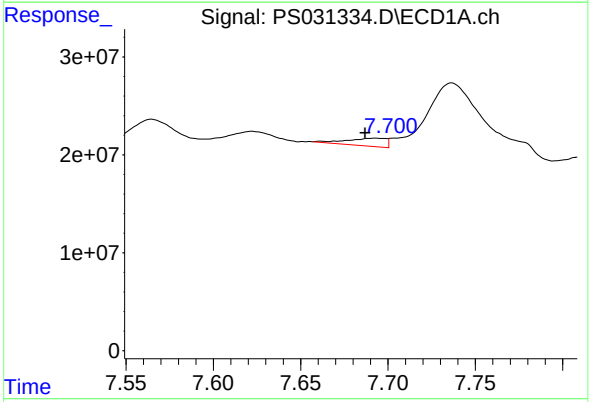
R.T.: 7.507 min
Delta R.T.: 0.004 min
Response: 17691965
Conc: 1.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725



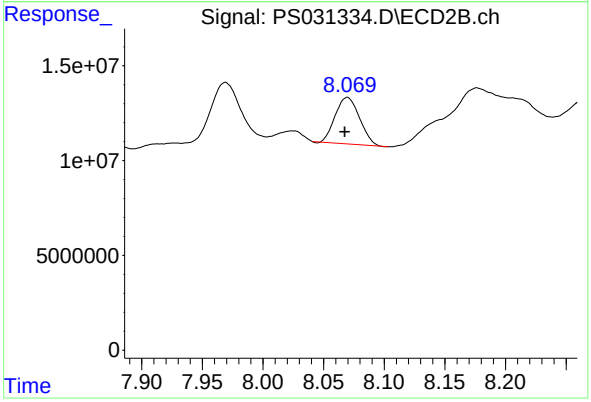
#5 DICAMBA

R.T.: 7.969 min
Delta R.T.: 0.004 min
Response: 48396246
Conc: 8.93 ng/ml



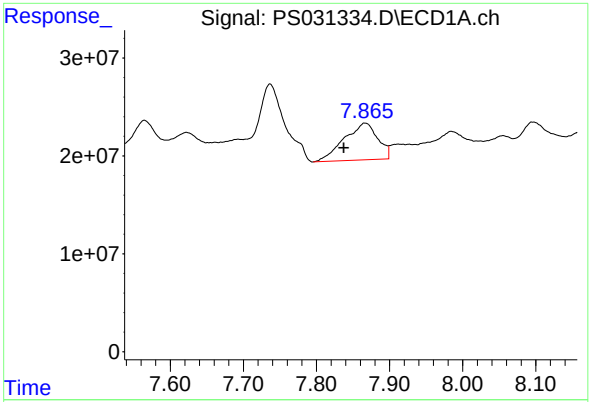
#6 MCPP

R.T.: 7.693 min
Delta R.T.: 0.006 min
Response: 12724787
Conc: 1.58 ug/ml



#6 MCPP

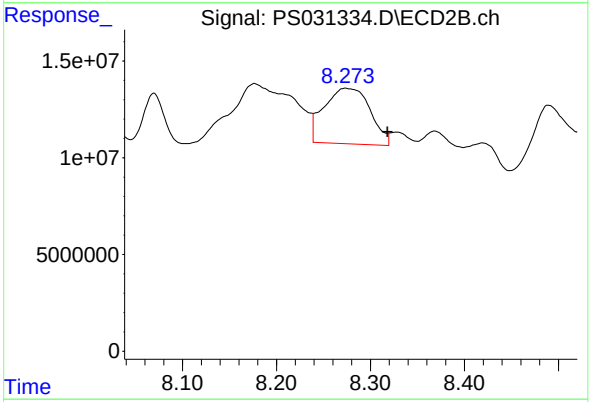
R.T.: 8.069 min
Delta R.T.: 0.002 min
Response: 34269559
Conc: 20.05 ug/ml



#7 MCPA

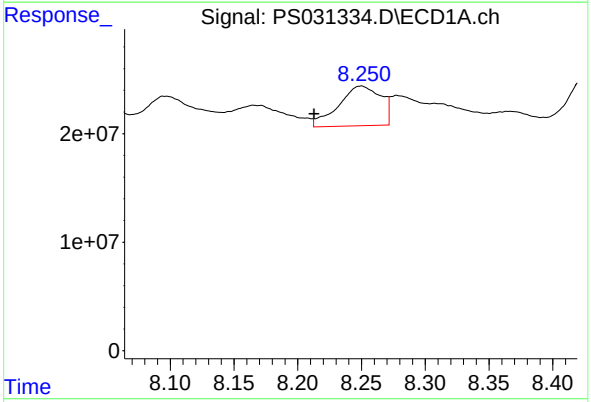
R.T.: 7.866 min
Delta R.T.: 0.029 min
Response: 120338097
Conc: 12.31 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725



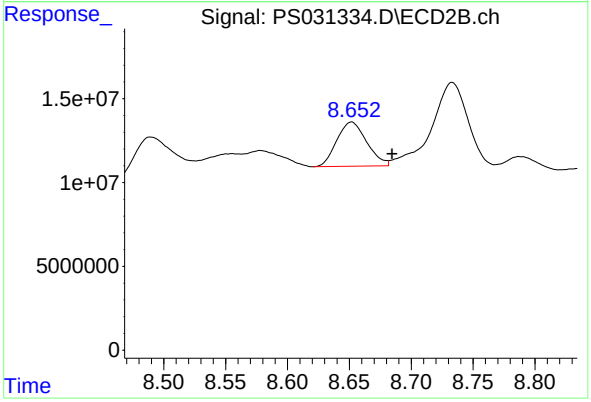
#7 MCPA

R.T.: 8.274 min
Delta R.T.: -0.044 min
Response: 98106923
Conc: 37.82 ug/ml



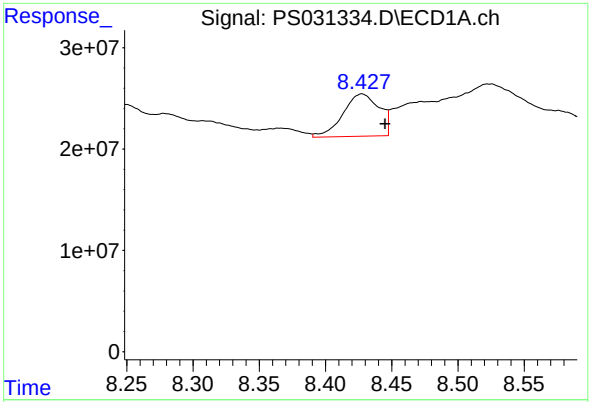
#8 DICHLORPROP

R.T.: 8.250 min
Delta R.T.: 0.037 min
Response: 84424961
Conc: 27.77 ng/ml



#8 DICHLORPROP

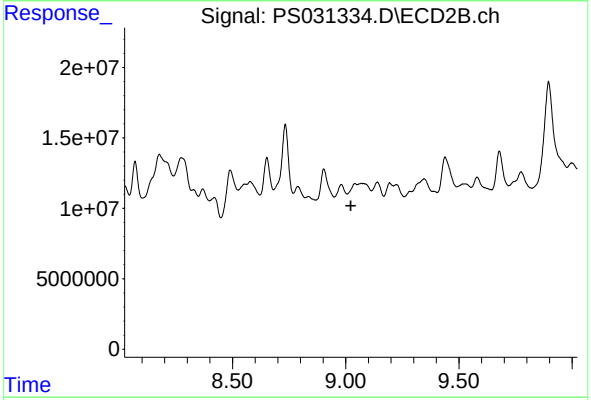
R.T.: 8.652 min
Delta R.T.: -0.033 min
Response: 44394545
Conc: 34.15 ng/ml



#9 2,4-D

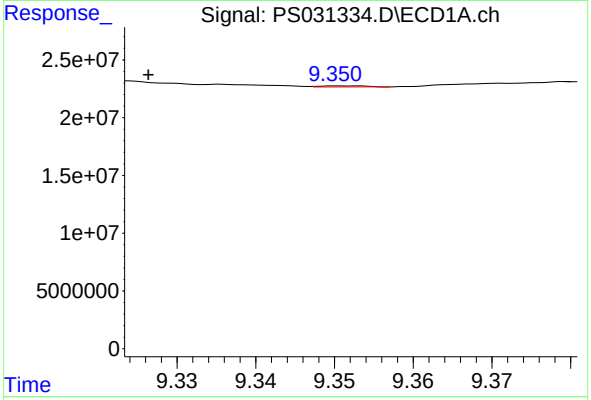
R.T.: 8.427 min
Delta R.T.: -0.018 min
Response: 79681231
Conc: 30.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725



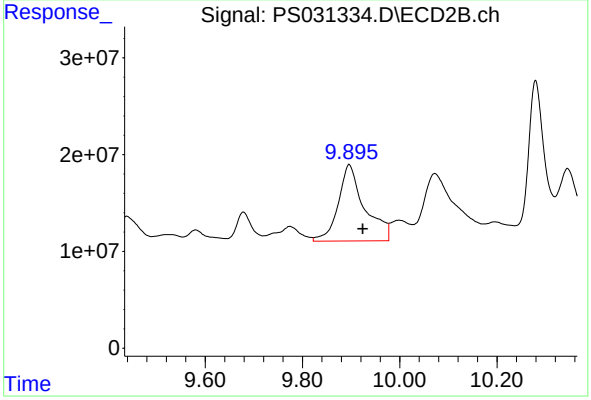
#9 2,4-D

R.T.: 9.041 min
Delta R.T.: 0.018 min
Response: -5453552
Conc: N.D.



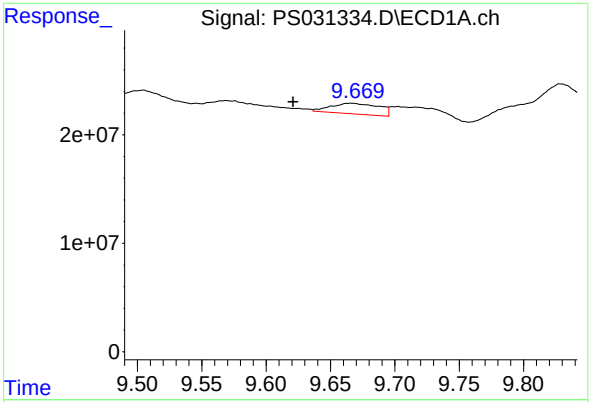
#11 2,4,5-TP (SILVEX)

R.T.: 9.352 min
Delta R.T.: 0.025 min
Response: 405668
Conc: N.D.



#11 2,4,5-TP (SILVEX)

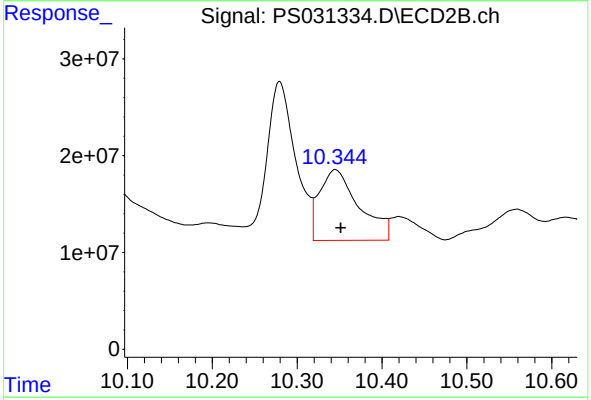
R.T.: 9.896 min
Delta R.T.: -0.028 min
Response: 296867653
Conc: 23.37 ng/ml



#12 2,4,5-T

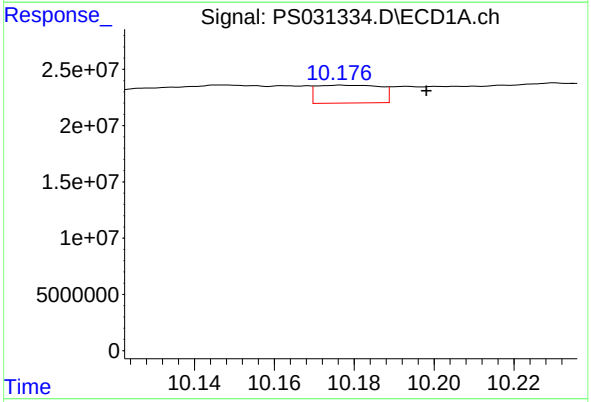
R.T.: 9.666 min
Delta R.T.: 0.045 min
Response: 25747897
Conc: 1.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725



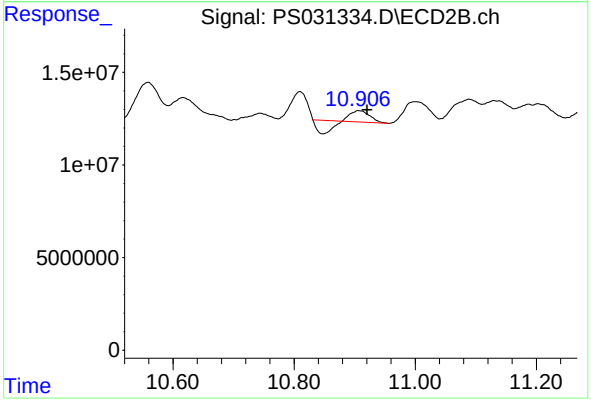
#12 2,4,5-T

R.T.: 10.345 min
Delta R.T.: -0.006 min
Response: 236948124
Conc: 20.31 ng/ml



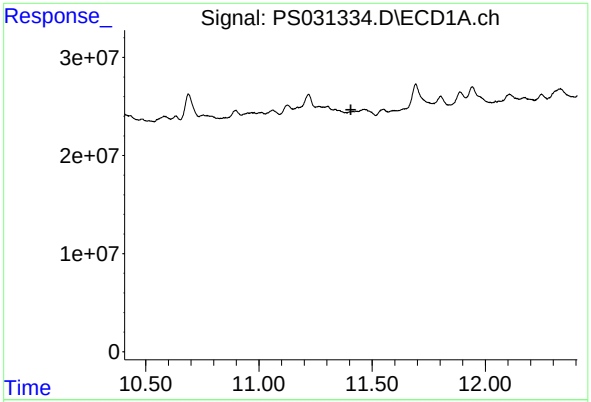
#13 2,4-DB

R.T.: 10.177 min
Delta R.T.: -0.021 min
Response: 17583525
Conc: 10.06 ng/ml



#13 2,4-DB

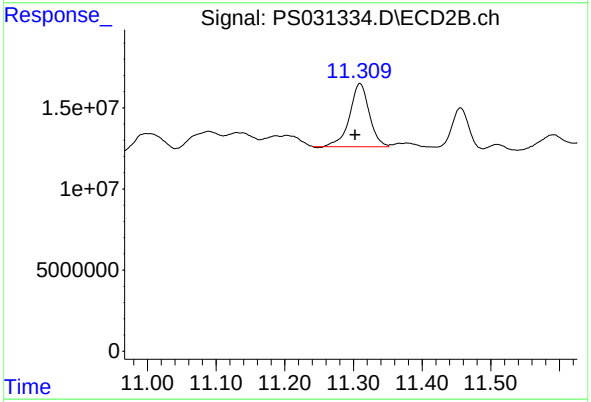
R.T.: 10.907 min
Delta R.T.: -0.013 min
Response: 1431036
Conc: 1.48 ng/ml



#14 DINOSEB

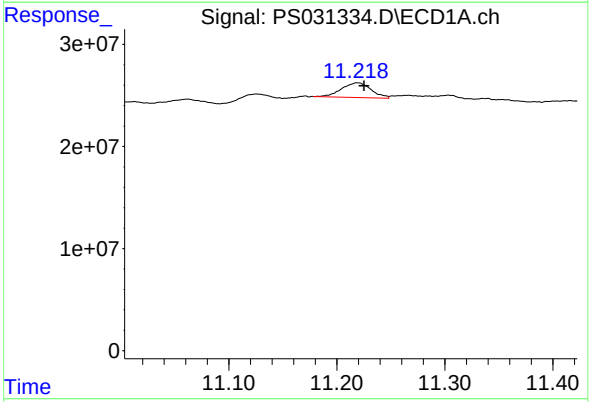
R.T.: 0.000 min
Exp R.T. : 11.406 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725



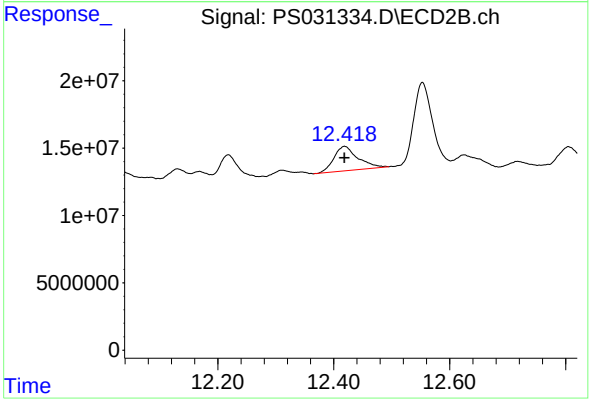
#14 DINOSEB

R.T.: 11.309 min
Delta R.T.: 0.007 min
Response: 77442218
Conc: 8.29 ng/ml



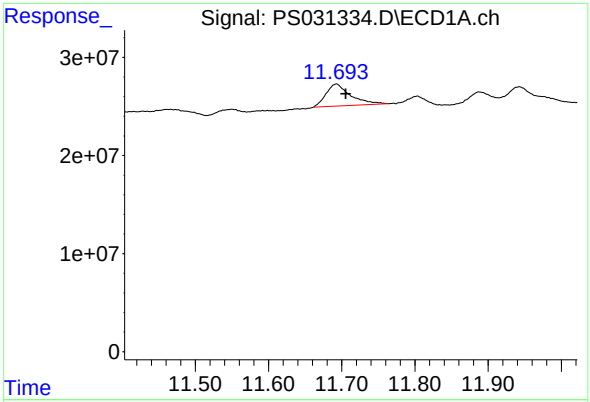
#15 Picloram

R.T.: 11.219 min
Delta R.T.: -0.006 min
Response: 27502961
Conc: 2.35 ng/ml



#15 Picloram

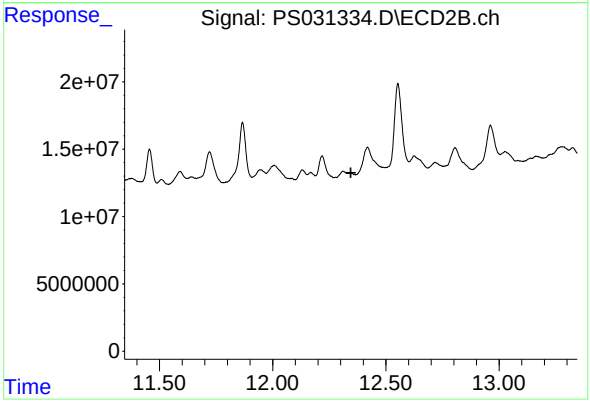
R.T.: 12.418 min
Delta R.T.: 0.000 min
Response: 51798602
Conc: 3.03 ng/ml



#16 DCPA

R.T.: 11.692 min
Delta R.T.: -0.013 min
Response: 52288530
Conc: 2.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-40-071725



#16 DCPA

R.T.: 12.311 min
Delta R.T.: -0.034 min
Response: -9663675
Conc: N.D.

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:00
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 31 14:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.306	7.760	2232.1E6	591.9E6	766.155	708.744
		Target Compounds						
1)	T	Dalapon	2.685	2.702	3226.6E6	1564.0E6	668.788	636.763
2)	T	3,5-DICHL...	6.471	6.708	2551.3E6	872.6E6	598.481	675.244
3)	T	4-Nitroph...	7.108	7.300	723.5E6	785.9E6	710.559	608.793
5)	T	DICAMBA	7.494	7.958	8980.6E6	3657.1E6	695.060	674.635
6)	T	MCPP	7.673	8.056	427.4E6	96684623	53.136	56.561
7)	T	MCPA	7.823	8.305	718.3E6	186.0E6	73.481	71.707
8)	T	DICHLORPROP	8.203	8.679	2111.0E6	863.5E6	694.405	664.181
9)	T	2,4-D	8.436	9.018	1915.1E6	935.9E6	738.482	670.624
10)	T	Pentachlo...	8.735	9.531	34802.0E6	24018.6E6	765.237	717.050
11)	T	2,4,5-TP ...	9.315	9.916	12420.0E6	8791.1E6	745.441	692.061
12)	T	2,4,5-T	9.611	10.344	10373.7E6	8084.8E6	779.931	693.099
13)	T	2,4-DB	10.186	10.913	1382.2E6	648.4E6	791.098	671.313
14)	T	DINOSEB	11.393	11.293	7844.0E6	5727.1E6	684.254	613.188
15)	T	Picloram	11.213	12.411	8442.5E6	11757.3E6	720.984	687.763
16)	T	DCPA	11.692	12.335	14742.0E6	13142.7E6	710.935	704.635

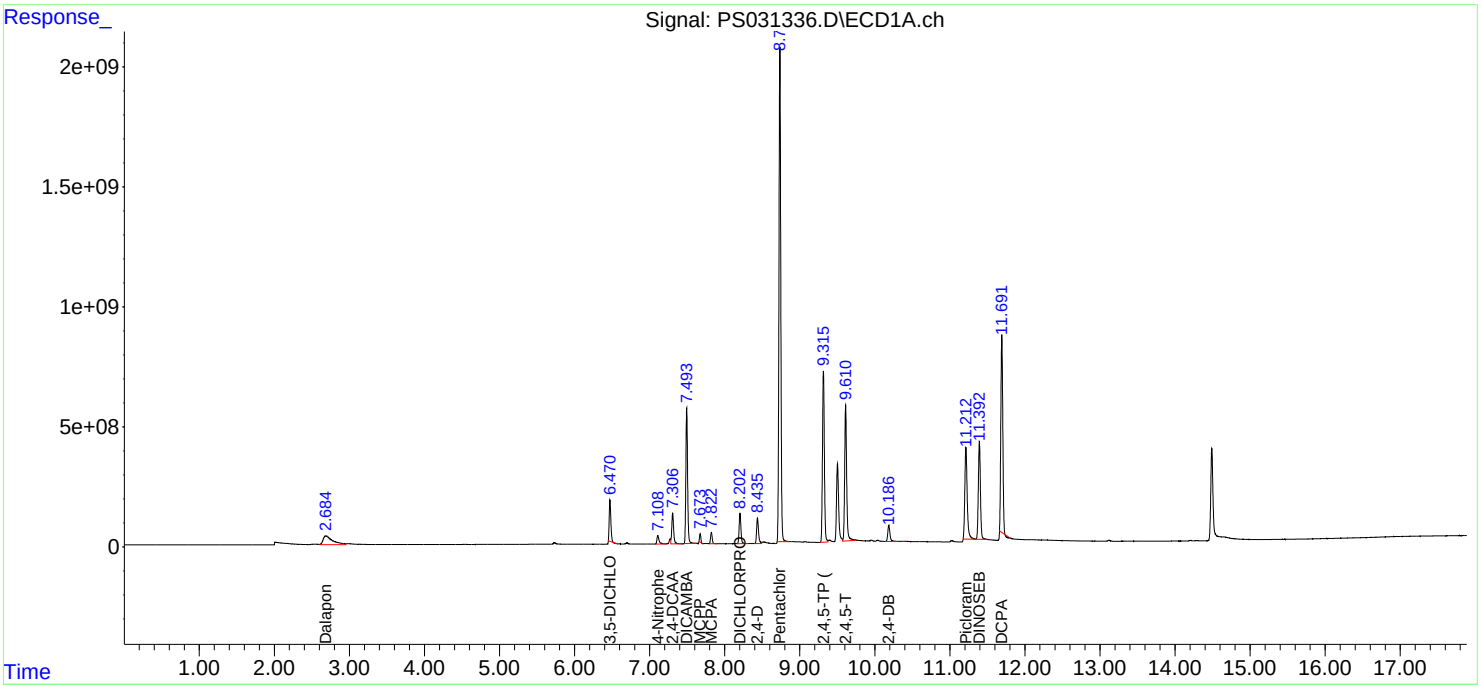
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

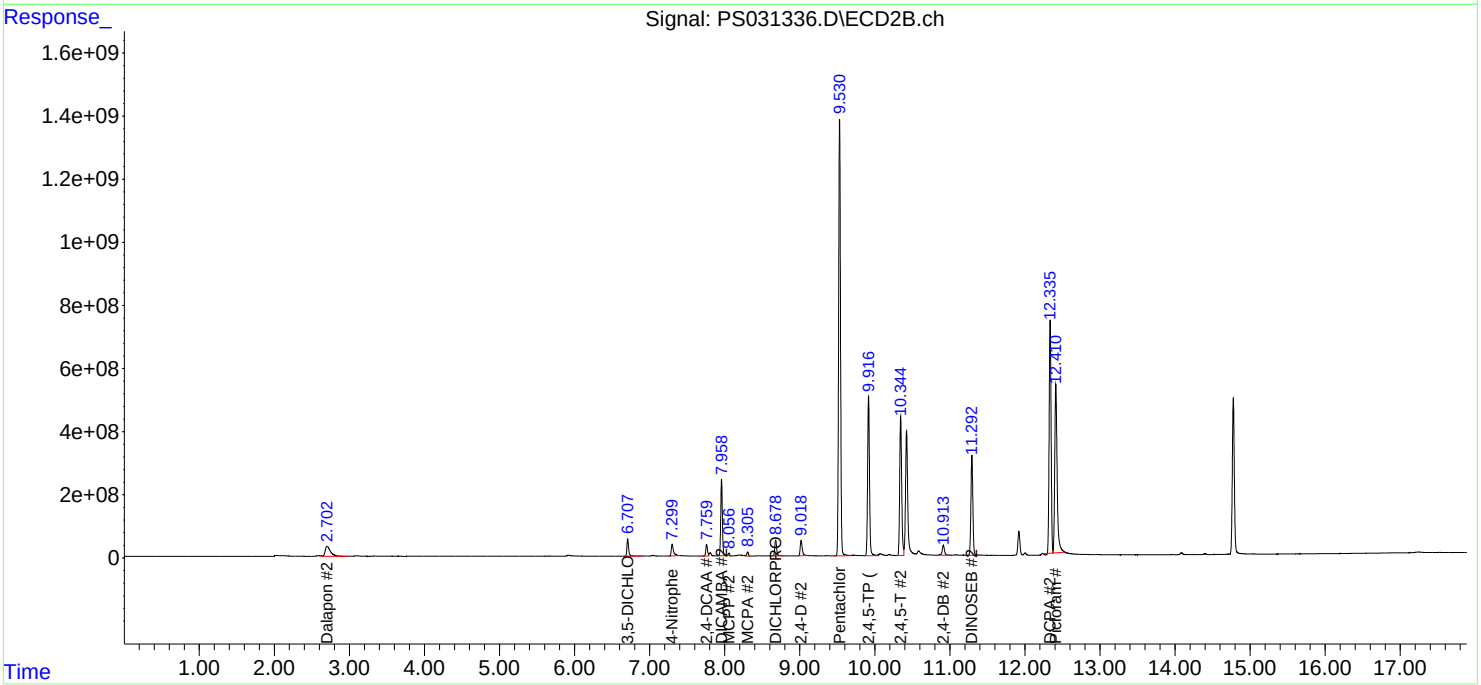
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS073125\
Data File : PS031336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jul 2025 12:00
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

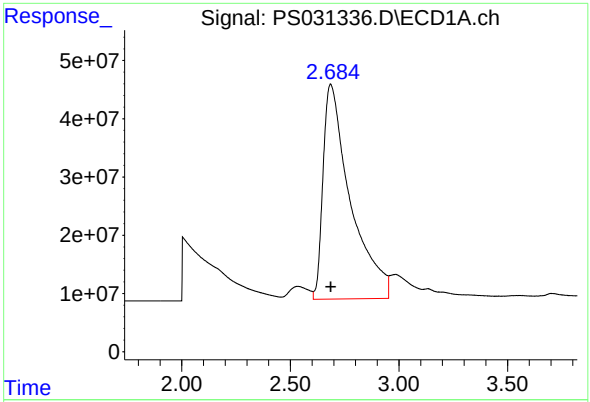
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 31 14:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS072925.M
Quant Title : 8080.M
QLast Update : Tue Jul 29 18:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



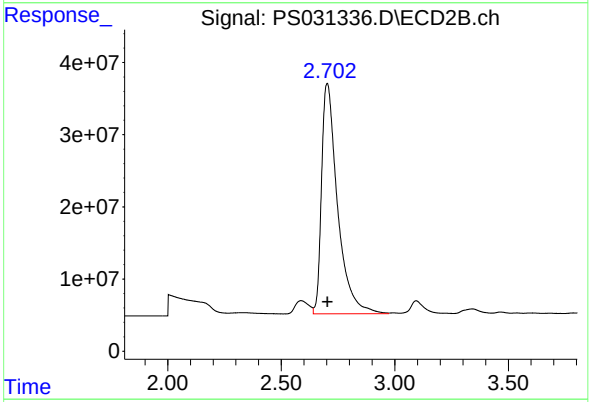




#1 Dalapon

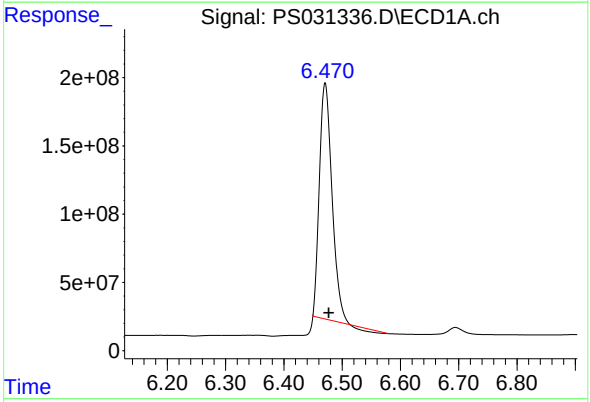
R.T.: 2.685 min
Delta R.T.: -0.002 min
Response: 3226607247
Conc: 668.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



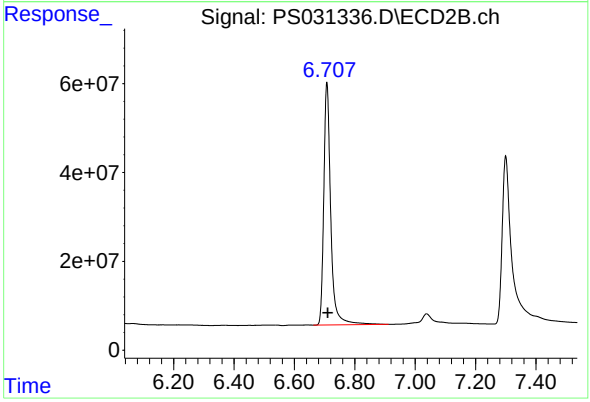
#1 Dalapon

R.T.: 2.702 min
Delta R.T.: 0.000 min
Response: 1564007004
Conc: 636.76 ng/ml



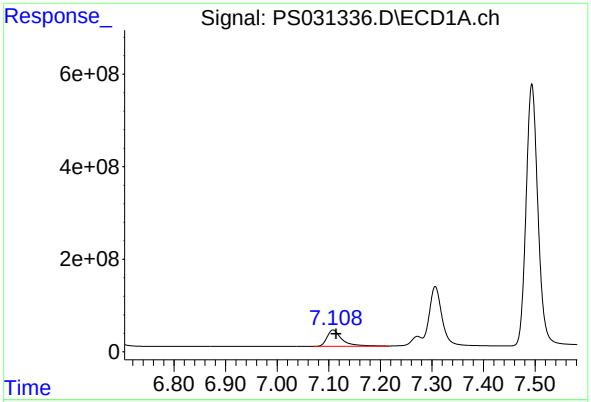
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.471 min
Delta R.T.: -0.006 min
Response: 2551282892
Conc: 598.48 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

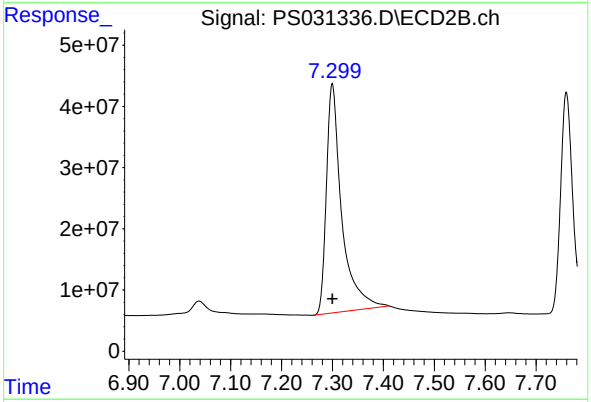
R.T.: 6.708 min
Delta R.T.: -0.003 min
Response: 872597798
Conc: 675.24 ng/ml



#3 4-Nitrophenol

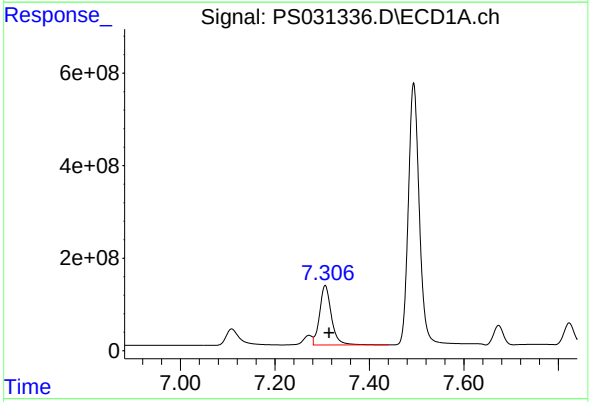
R.T.: 7.108 min
Delta R.T.: -0.006 min
Response: 723491470
Conc: 710.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



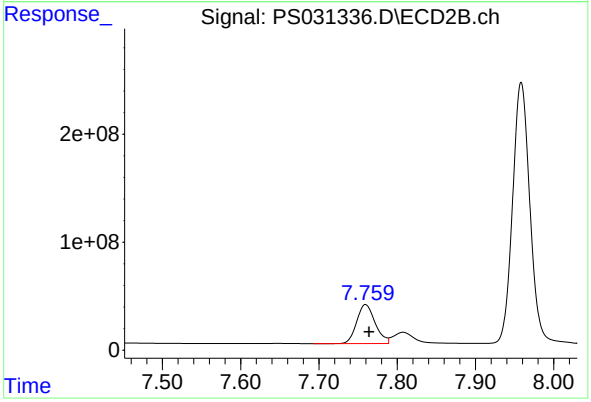
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 785897842
Conc: 608.79 ng/ml



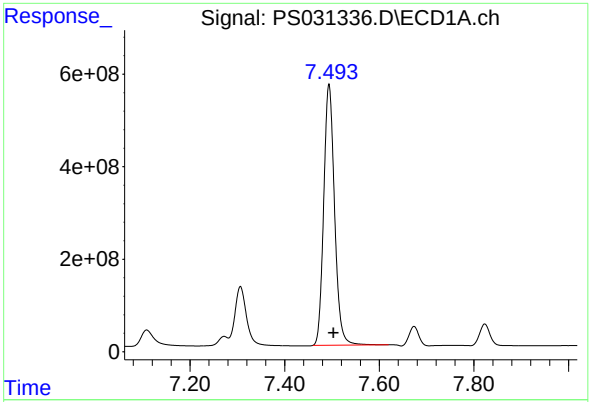
#4 2,4-DCAA

R.T.: 7.306 min
Delta R.T.: -0.008 min
Response: 2232118378
Conc: 766.15 ng/ml



#4 2,4-DCAA

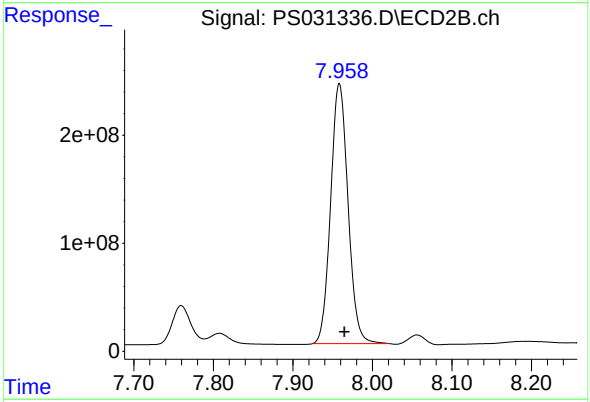
R.T.: 7.760 min
Delta R.T.: -0.005 min
Response: 591858447
Conc: 708.74 ng/ml



#5 DICAMBA

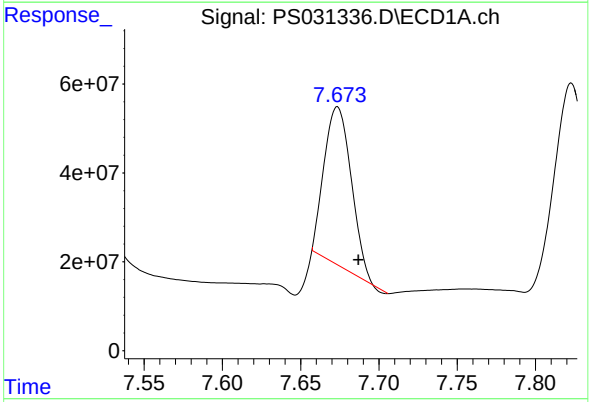
R.T.: 7.494 min
Delta R.T.: -0.009 min
Response: 8980592694
Conc: 695.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



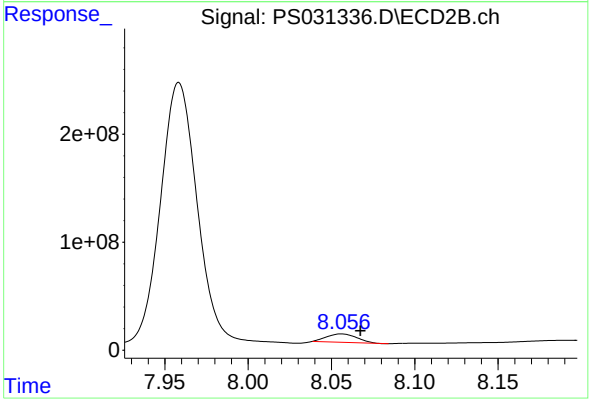
#5 DICAMBA

R.T.: 7.958 min
Delta R.T.: -0.006 min
Response: 3657095618
Conc: 674.64 ng/ml



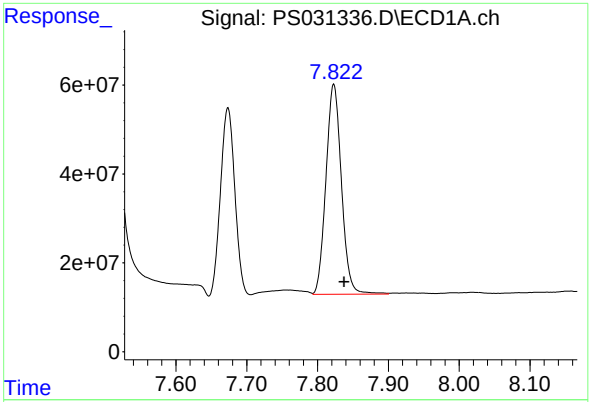
#6 MCPP

R.T.: 7.673 min
Delta R.T.: -0.013 min
Response: 427354143
Conc: 53.14 ug/ml



#6 MCPP

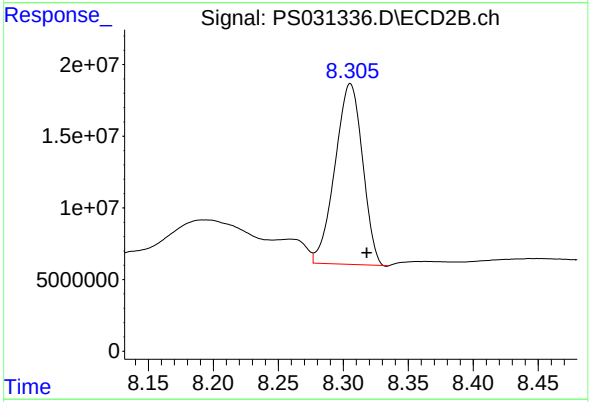
R.T.: 8.056 min
Delta R.T.: -0.011 min
Response: 96684623
Conc: 56.56 ug/ml



#7 MCPA

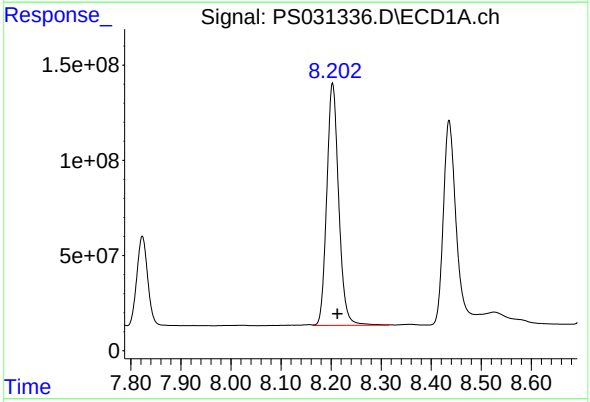
R.T.: 7.823 min
Delta R.T.: -0.015 min
Response: 718345293
Conc: 73.48 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



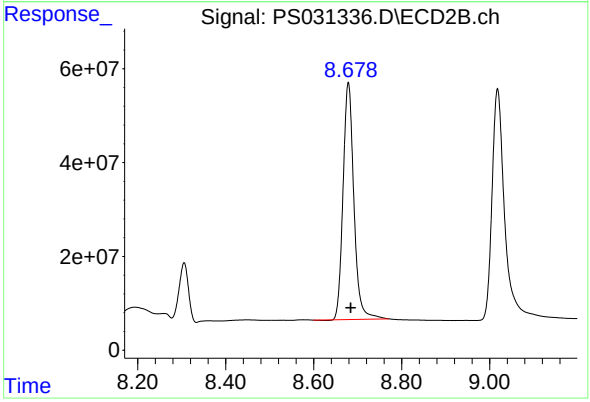
#7 MCPA

R.T.: 8.305 min
Delta R.T.: -0.013 min
Response: 186005819
Conc: 71.71 ug/ml



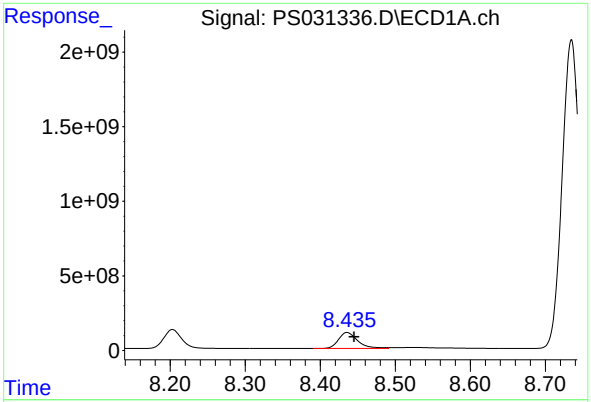
#8 DICHLORPROP

R.T.: 8.203 min
Delta R.T.: -0.010 min
Response: 2110999689
Conc: 694.41 ng/ml



#8 DICHLORPROP

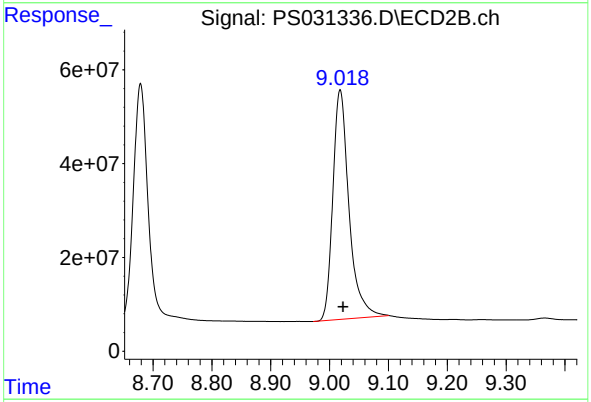
R.T.: 8.679 min
Delta R.T.: -0.006 min
Response: 863473357
Conc: 664.18 ng/ml



#9 2,4-D

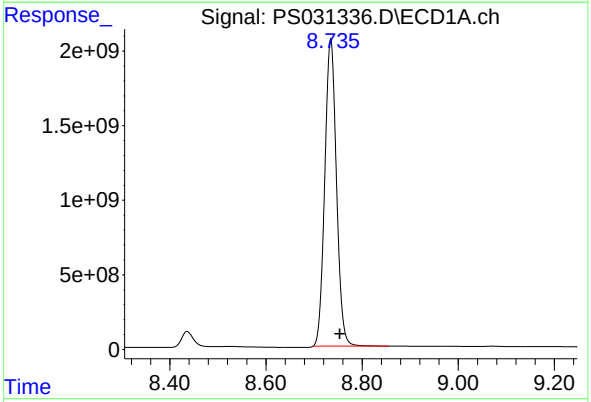
R.T.: 8.436 min
Delta R.T.: -0.009 min
Response: 1915135362
Conc: 738.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



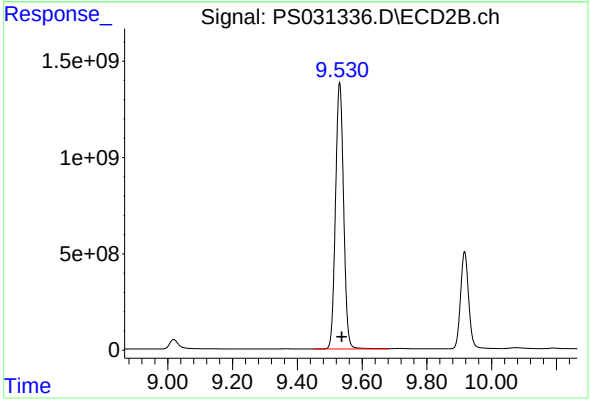
#9 2,4-D

R.T.: 9.018 min
Delta R.T.: -0.005 min
Response: 935876548
Conc: 670.62 ng/ml



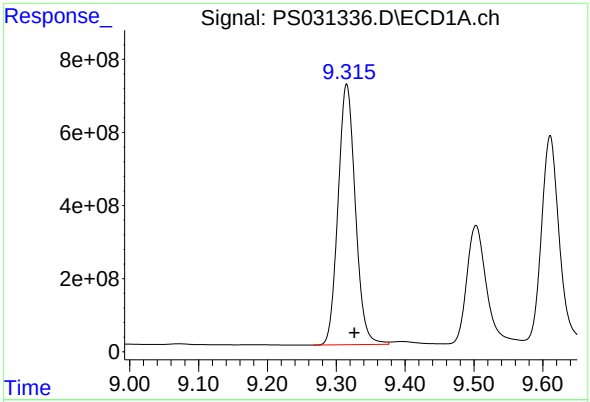
#10 Pentachlorophenol

R.T.: 8.735 min
Delta R.T.: -0.019 min
Response: 34802018500
Conc: 765.24 ng/ml



#10 Pentachlorophenol

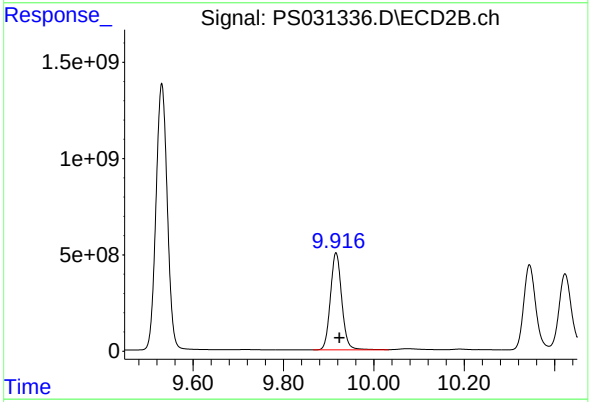
R.T.: 9.531 min
Delta R.T.: -0.006 min
Response: 24018590559
Conc: 717.05 ng/ml



#11 2,4,5-TP (SILVEX)

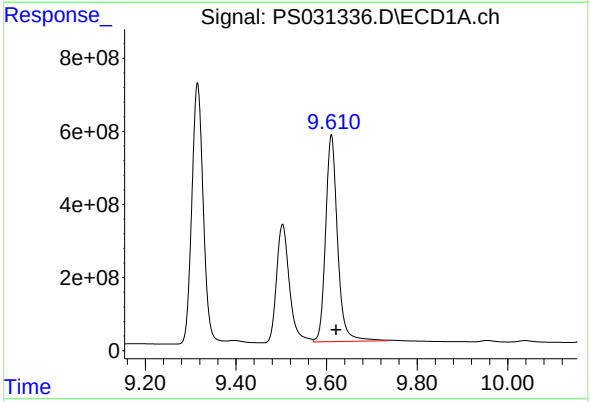
R.T.: 9.315 min
Delta R.T.: -0.011 min
Response: 12419977099
Conc: 745.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



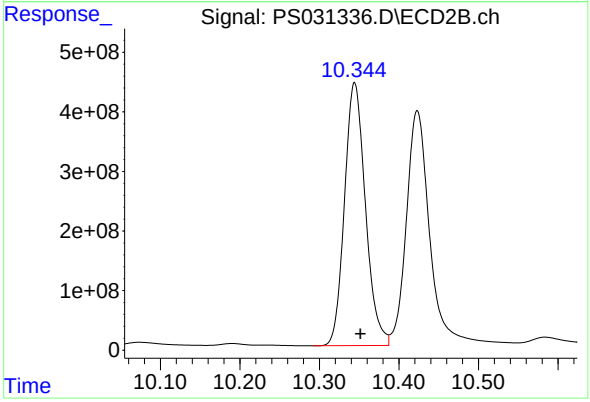
#11 2,4,5-TP (SILVEX)

R.T.: 9.916 min
Delta R.T.: -0.007 min
Response: 8791112899
Conc: 692.06 ng/ml



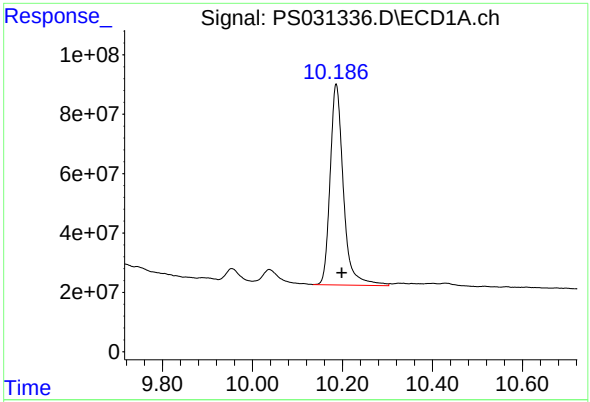
#12 2,4,5-T

R.T.: 9.611 min
Delta R.T.: -0.010 min
Response: 10373653412
Conc: 779.93 ng/ml



#12 2,4,5-T

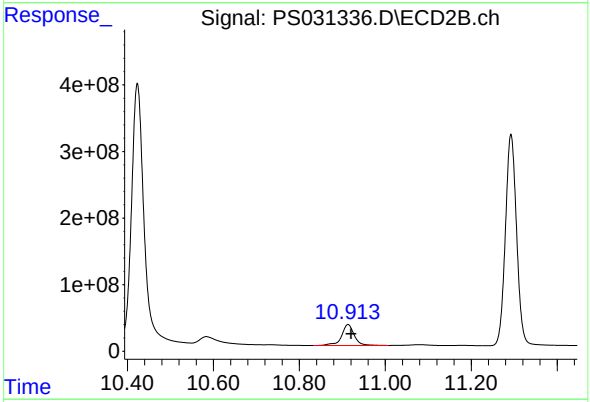
R.T.: 10.344 min
Delta R.T.: -0.007 min
Response: 8084774139
Conc: 693.10 ng/ml



#13 2,4-DB

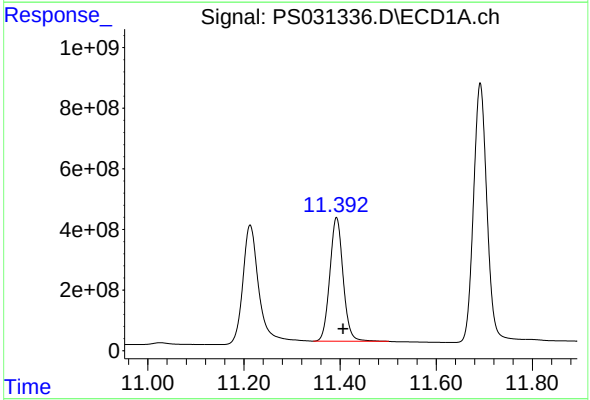
R.T.: 10.186 min
Delta R.T.: -0.012 min
Response: 1382249731
Conc: 791.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



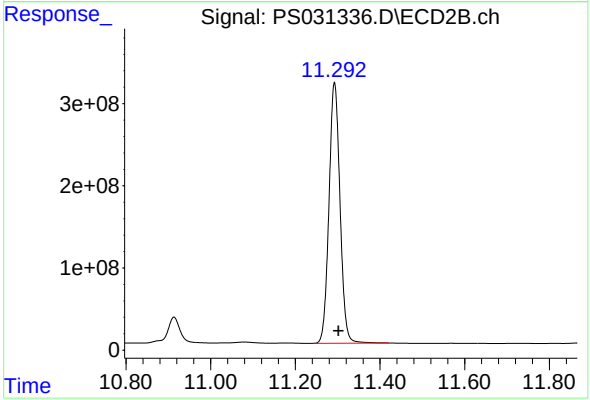
#13 2,4-DB

R.T.: 10.913 min
Delta R.T.: -0.007 min
Response: 648391087
Conc: 671.31 ng/ml



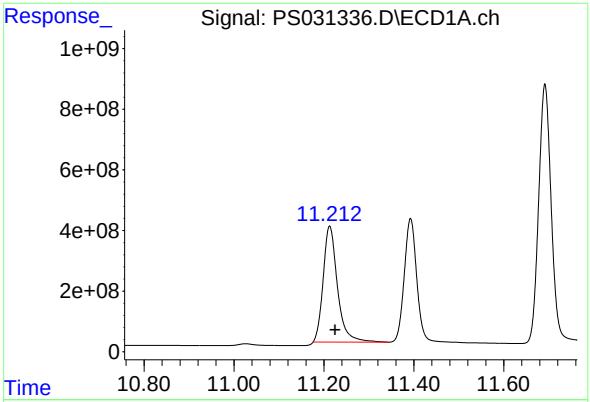
#14 DINOSEB

R.T.: 11.393 min
Delta R.T.: -0.014 min
Response: 7843978693
Conc: 684.25 ng/ml



#14 DINOSEB

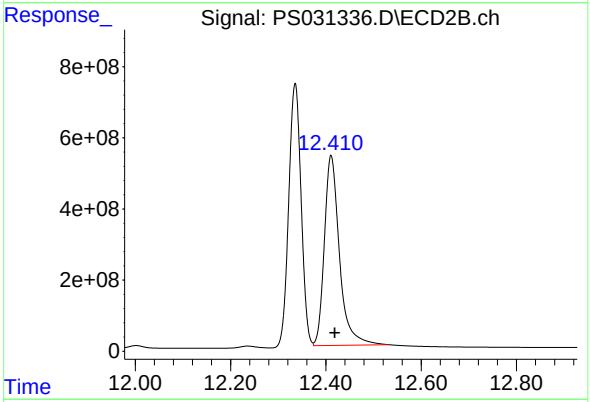
R.T.: 11.293 min
Delta R.T.: -0.010 min
Response: 5727136841
Conc: 613.19 ng/ml



#15 Picloram

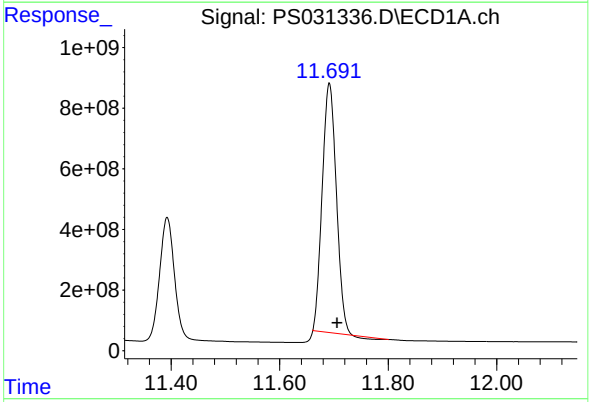
R.T.: 11.213 min
Delta R.T.: -0.012 min
Response: 8442457940
Conc: 720.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



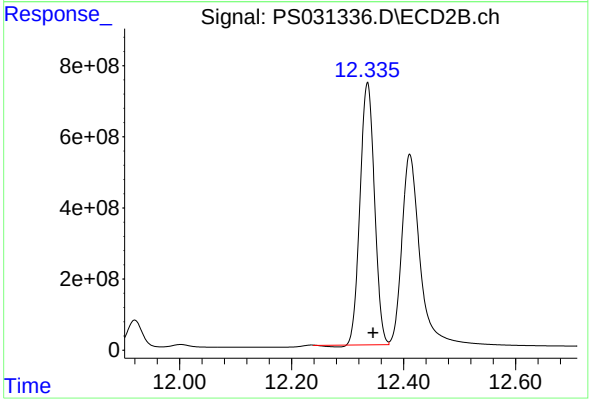
#15 Picloram

R.T.: 12.411 min
Delta R.T.: -0.008 min
Response: 11757252512
Conc: 687.76 ng/ml



#16 DCPA

R.T.: 11.692 min
Delta R.T.: -0.014 min
Response: 14742033762
Conc: 710.93 ng/ml



#16 DCPA

R.T.: 12.335 min
Delta R.T.: -0.010 min
Response: 13142693946
Conc: 704.64 ng/ml