

DATA PACKAGE
GC SEMI-VOLATILES

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP
585 Middlesex Street

Lowell, MA - 01851
Phone No: 978-683-0891

ORDER ID : Q1984
ATTENTION : Adam Roy



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1984

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

Q1984-01
Q1984-02
Q1984-03
Q1984-04
Q1984-05
Q1984-06
Q1984-07
Q1984-08
Q1984-09
Q1984-10
Q1984-11
Q1984-12
Q1984-13
Q1984-14
Q1984-15
Q1984-16
Q1984-19

Client Sample Number

OU4-PCS-TC-33-050725
OU4-PCS-TC-33-050725
OU4-PCS-TC-34-050725
OU4-PCS-TC-34-050725
OU4-PCS-TC-35-050725
OU4-PCS-TC-35-050725
OU4-TS-24-050725
OU4-TS-24-050725
OU4-TS-25-050725
OU4-TS-25-050725
OU4-TS-26-050725
OU4-TS-26-050725
OU4-TS-27-050725
OU4-TS-27-050725
OU4-TS-28-050725
OU4-TS-28-050725
OU4-TB01-050725

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 1:57 pm, May 23, 2025

Date: 5/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q1984

Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:

17 Solid samples were received on 05/08/2025.

B. Parameters

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

C. Analytical Techniques:

The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 µm df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 µm df, Catalog #: 11324. The analysis of Herbicide Group1s was based on method 8151A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS {Q1982-08MS} with File ID: PS030237.D recoveries met the requirements for all compounds except for [Dinoseb(1)- 7%],[Dinoseb(2)- 8%],[Dalapon(1)- 68%],[Dalapon(2)- 133%] due to matrix interference.

The MSD {Q1982-08MSD} with File ID: PS030238.D recoveries met the acceptable requirements except for [Dinoseb(1)- 0%],[Dinoseb(2)- 7%] due to matrix interference.

The RPD for {Q1982-08MSD} with File ID: PS030238.D met criteria except for [Dinoseb(1)- 200%], [Dinoseb(2)- 13%] due to difference in results of MS-MSD.

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .



E. Additional Comments:

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

The not QT review data is reported in the Miscellaneous.

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

F. Manual Integration Comments:

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

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

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 1:57 pm, May 23, 2025

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 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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q1984

MATRIX: Solid

METHOD: 8151A/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q1982-08MS} with File ID: PS030237.D recoveries met the requirements for all compounds except for [Dinoseb(1)- 7%],[Dinoseb(2)- 8%],[Dalapon(1)- 68%], [Dalapon(2)- 133%] due to matrix interference. The MSD {Q1982-08MSD} with File ID: PS030238.D recoveries met the acceptable requirements except for [Dinoseb(1)- 0%],[Dinoseb(2)- 7%] due to matrix interference. The Blank Spike met requirements for all samples . The RPD for {Q1982-08MSD} with File ID: PS030238.D met criteria except for[Dinoseb(1)- 200%], [Dinoseb(2)- 13%] due to difference in results of MS-MSD.		✓	
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

REVIEWED

QA REVIEW

By Sohil Jodhani, QA/QC Director at 1:08 pm, May 23, 2025

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1984

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 05/22/2025

LAB CHRONICLE

OrderID:	Q1984	OrderDate:	5/8/2025 10:48:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1984-01	OU4-PCS-TC-33-0507 25	SOIL			05/07/25			05/08/25
			Herbicide Group1	8151A		05/14/25	05/15/25	
			PCB	8082A		05/12/25	05/12/25	
			Pesticide-TCL	8081B		05/13/25	05/15/25	
Q1984-03	OU4-PCS-TC-34-0507 25	SOIL			05/07/25			05/08/25
			Herbicide Group1	8151A		05/14/25	05/15/25	
			PCB	8082A		05/12/25	05/12/25	
			Pesticide-TCL	8081B		05/13/25	05/15/25	
Q1984-05	OU4-PCS-TC-35-0507 25	SOIL			05/07/25			05/08/25
			Herbicide Group1	8151A		05/14/25	05/15/25	
			PCB	8082A		05/12/25	05/12/25	
			Pesticide-TCL	8081B		05/13/25	05/15/25	
Q1984-07	OU4-TS-24-050725	SOIL			05/07/25			05/08/25
			Herbicide Group1	8151A		05/14/25	05/15/25	
			PCB	8082A		05/12/25	05/12/25	
			Pesticide-TCL	8081B		05/13/25	05/15/25	
Q1984-09	OU4-TS-25-050725	SOIL			05/07/25			05/08/25
			Herbicide Group1	8151A		05/14/25	05/15/25	
			PCB	8082A		05/12/25	05/13/25	
			Pesticide-TCL	8081B		05/13/25	05/15/25	
Q1984-09RE	OU4-TS-25-050725RE	SOIL			05/07/25			05/08/25
			Pesticide-TCL	8081B		05/13/25	05/19/25	
Q1984-11	OU4-TS-26-050725	SOIL			05/07/25			05/08/25
			Herbicide Group1	8151A		05/14/25	05/15/25	

LAB CHRONICLE

			PCB	8082A		05/12/25	05/12/25	
			Pesticide-TCL	8081B		05/13/25	05/15/25	
Q1984-11RE	OU4-TS-26-050725RE	SOIL			05/07/25			05/08/25
			Pesticide-TCL	8081B		05/13/25	05/19/25	
Q1984-13	OU4-TS-27-050725	SOIL			05/07/25			05/08/25
			Herbicide Group1	8151A		05/14/25	05/15/25	
			PCB	8082A		05/12/25	05/13/25	
			Pesticide-TCL	8081B		05/13/25	05/15/25	
Q1984-13RE	OU4-TS-27-050725RE	SOIL			05/07/25			05/08/25
			Pesticide-TCL	8081B		05/13/25	05/19/25	
Q1984-15	OU4-TS-28-050725	SOIL			05/07/25			05/08/25
			Herbicide Group1	8151A		05/14/25	05/15/25	
			PCB	8082A		05/13/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/15/25	
Q1984-15RE	OU4-TS-28-050725RE	SOIL			05/07/25			05/08/25
			Pesticide-TCL	8081B		05/13/25	05/19/25	

Hit Summary Sheet
SW-846

SDG No.: Q1984

Order ID: Q1984

Client: Nobis Group

Project ID: Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
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Client ID :

Total Concentration: 0.000



QC SUMMARY

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Surrogate Summary

SDG No.: Q1984

Client: Nobis Group

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS030124.D	PIBLK-PS030124.D	2,4-DCAA	1	500	419	84		32	138
		2,4-DCAA	2	500	418	84		32	138
I.BLK-PS030235.D	PIBLK-PS030235.D	2,4-DCAA	1	500	451	90		32	138
		2,4-DCAA	2	500	462	92		32	138
Q1982-08MS	TP-9MS	2,4-DCAA	1	500	493	99		27	122
		2,4-DCAA	2	500	458	92		27	122
Q1982-08MSD	TP-9MSD	2,4-DCAA	1	500	529	106		27	122
		2,4-DCAA	2	500	499	100		27	122
Q1984-01	OU4-PCS-TC-33-050725	2,4-DCAA	1	500	383	77		27	122
		2,4-DCAA	2	500	347	69		27	122
Q1984-03	OU4-PCS-TC-34-050725	2,4-DCAA	1	500	373	75		27	122
		2,4-DCAA	2	500	334	67		27	122
I.BLK-PS030247.D	PIBLK-PS030247.D	2,4-DCAA	1	500	519	104		32	138
		2,4-DCAA	2	500	531	106		32	138
Q1984-05	OU4-PCS-TC-35-050725	2,4-DCAA	1	500	323	65		27	122
		2,4-DCAA	2	500	291	58		27	122
Q1984-07	OU4-TS-24-050725	2,4-DCAA	1	500	196	39		27	122
		2,4-DCAA	2	500	183	37		27	122
Q1984-09	OU4-TS-25-050725	2,4-DCAA	1	500	220	44		27	122
		2,4-DCAA	2	500	207	41		27	122
Q1984-11	OU4-TS-26-050725	2,4-DCAA	1	500	249	50		27	122
		2,4-DCAA	2	500	228	46		27	122
Q1984-13	OU4-TS-27-050725	2,4-DCAA	1	500	291	58		27	122
		2,4-DCAA	2	500	287	57		27	122
Q1984-15	OU4-TS-28-050725	2,4-DCAA	1	500	339	68		27	122
		2,4-DCAA	2	500	326	65		27	122
I.BLK-PS030255.D	PIBLK-PS030255.D	2,4-DCAA	1	500	508	102		32	138
		2,4-DCAA	2	500	527	105		32	138
I.BLK-PS030275.D	PIBLK-PS030275.D	2,4-DCAA	1	500	471	94		32	138
		2,4-DCAA	2	500	469	94		32	138
PB167996BL	PB167996BL	2,4-DCAA	1	500	473	95		27	122
		2,4-DCAA	2	500	450	90		27	122
PB167996BS	PB167996BS	2,4-DCAA	1	500	554	111		27	122
		2,4-DCAA	2	500	539	108		27	122
I.BLK-PS030287.D	PIBLK-PS030287.D	2,4-DCAA	1	500	463	93		32	138
		2,4-DCAA	2	500	462	92		32	138

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q1984	Analytical Method:	8151A
Client:	Nobis Group	DataFile :	PS030237.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q1982-08MS (Column 1)	TP-9MS											
	DICAMBA	204.9	0	152	ug/Kg	74				38	132	
	Dalapon	204.9	0	140	ug/Kg	68	*			70	130	
	DICHLORPROP	204.9	0	170	ug/Kg	83				28	155	
	2,4-D	204.9	0	181	ug/Kg	88				28	144	
	2,4,5-TP(Silvex)	204.9	0	161	ug/Kg	79				43	129	
	2,4,5-T	204.9	0	154	ug/Kg	75				31	138	
	2,4-DB	204.9	0	128	ug/Kg	62				34	142	
Client Sample ID: Q1982-08MS (Column 2)	Dinoseb	204.9	0	14.3	ug/Kg	7	*			57	152	
	TP-9MS											
	DICAMBA	204.9	0	153	ug/Kg	75				38	132	
	Dalapon	204.9	0	272	ug/Kg	133	*			70	130	
	DICHLORPROP	204.9	0	173	ug/Kg	84				28	155	
	2,4-D	204.9	0	178	ug/Kg	87				28	144	
	2,4,5-TP(Silvex)	204.9	0	168	ug/Kg	82				43	129	
	2,4,5-T	204.9	0	163	ug/Kg	80				31	138	
	2,4-DB	204.9	0	158	ug/Kg	77				34	142	
	Dinoseb	204.9	0	15.4	ug/Kg	8	*			57	152	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q1984	Analytical Method:	8151A
Client:	Nobis Group	DataFile :	PS030238.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q1982-08MSD (Column 1)	TP-9MSD											
	DICAMBA	204.5	0	174	ug/Kg	85		14		38	132	20
	Dalapon	204.5	0	160	ug/Kg	78		14		70	130	20
	DICHLORPROP	204.5	0	198	ug/Kg	97		16		28	155	20
	2,4-D	204.5	0	207	ug/Kg	101		14		28	144	20
	2,4,5-TP(Silvex)	204.5	0	182	ug/Kg	89		12		43	129	20
	2,4,5-T	204.5	0	175	ug/Kg	86		14		31	138	20
	2,4-DB	204.5	0	145	ug/Kg	71		14		34	142	20
Client Sample ID: Q1982-08MSD (Column 2)	Dinoseb	204.5	0	0	ug/Kg	0	*	200	*	57	152	20
	TP-9MSD											
	DICAMBA	204.5	0	180	ug/Kg	88		16		38	132	20
	Dalapon	204.5	0	313	ug/Kg	153		14		70	130	20
	DICHLORPROP	204.5	0	195	ug/Kg	95		12		28	155	20
	2,4-D	204.5	0	204	ug/Kg	100		14		28	144	20
	2,4,5-TP(Silvex)	204.5	0	196	ug/Kg	96		16		43	129	20
	2,4,5-T	204.5	0	189	ug/Kg	92		14		31	138	20
	2,4-DB	204.5	0	187	ug/Kg	91		17		34	142	20
	Dinoseb	204.5	0	14.0	ug/Kg	7	*	13	*	57	152	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q1984</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>PS030280.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167996BS (Column 1)	DICAMBA	166.5	173	ug/Kg	104				38	132		
	Dalapon	166.5	168	ug/Kg	101				70	130		
	DICHLORPROP	166.5	172	ug/Kg	103				28	155		
	2,4-D	166.5	174	ug/Kg	105				28	144		
	2,4,5-TP(Silvex)	166.5	177	ug/Kg	106				43	129		
	2,4,5-T	166.5	178	ug/Kg	107				31	138		
	2,4-DB	166.5	188	ug/Kg	113				34	142		
	Dinoseb	166.5	175	ug/Kg	105				57	152		
	DICAMBA	166.5	169	ug/Kg	102				38	132		
PB167996BS (Column 2)	Dalapon	166.5	163	ug/Kg	98				70	130		
	DICHLORPROP	166.5	167	ug/Kg	100				28	155		
	2,4-D	166.5	172	ug/Kg	103				28	144		
	2,4,5-TP(Silvex)	166.5	175	ug/Kg	105				43	129		
	2,4,5-T	166.5	174	ug/Kg	105				31	138		
	2,4-DB	166.5	152	ug/Kg	91				34	142		
	Dinoseb	166.5	171	ug/Kg	103				57	152		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167996BL

Lab Name: CHEMTECH

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984

SAS No.: Q1984 SDG NO.: Q1984

Lab Sample ID: PB167996BL

Lab File ID: PS030279.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/14/2025

Date Analyzed (1): 05/19/2025

Date Analyzed (2): 05/19/2025

Time Analyzed (1): 17:49

Time Analyzed (2): 17:49

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
TP-9MS	Q1982-08MS	PS030237.D	05/15/2025	05/15/2025
TP-9MSD	Q1982-08MSD	PS030238.D	05/15/2025	05/15/2025
OU4-PCS-TC-33-050725	Q1984-01	PS030245.D	05/15/2025	05/15/2025
OU4-PCS-TC-34-050725	Q1984-03	PS030246.D	05/15/2025	05/15/2025
OU4-PCS-TC-35-050725	Q1984-05	PS030249.D	05/15/2025	05/15/2025
OU4-TS-24-050725	Q1984-07	PS030250.D	05/15/2025	05/15/2025
OU4-TS-25-050725	Q1984-09	PS030251.D	05/15/2025	05/15/2025
OU4-TS-26-050725	Q1984-11	PS030252.D	05/15/2025	05/15/2025
OU4-TS-27-050725	Q1984-13	PS030253.D	05/15/2025	05/15/2025
OU4-TS-28-050725	Q1984-15	PS030254.D	05/15/2025	05/15/2025
PB167996BS	PB167996BS	PS030280.D	05/19/2025	05/19/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	95.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide Group1
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030245.D	1	05/14/25 08:30	05/15/25 19:43	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.035	U	0.0081	0.035	0.070	mg/Kg
75-99-0	DALAPON	0.053	U	0.018	0.053	0.070	mg/Kg
120-36-5	DICHLORPROP	0.035	U	0.013	0.035	0.070	mg/Kg
94-75-7	2,4-D	0.035	U	0.0095	0.035	0.070	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.035	U	0.0095	0.035	0.070	mg/Kg
93-76-5	2,4,5-T	0.035	U	0.0091	0.035	0.070	mg/Kg
94-82-6	2,4-DB	0.035	U	0.025	0.035	0.070	mg/Kg
88-85-7	DINOSEB	0.035	U	0.011	0.035	0.070	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	383		27 - 122		77%	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\PS051525\
Data File : PS030245.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 19:43
Operator : AR\AJ
Sample : Q1984-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-33-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:29:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.932	7.452	1091.8E6	277.6E6	383.399	346.864
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Target Compounds

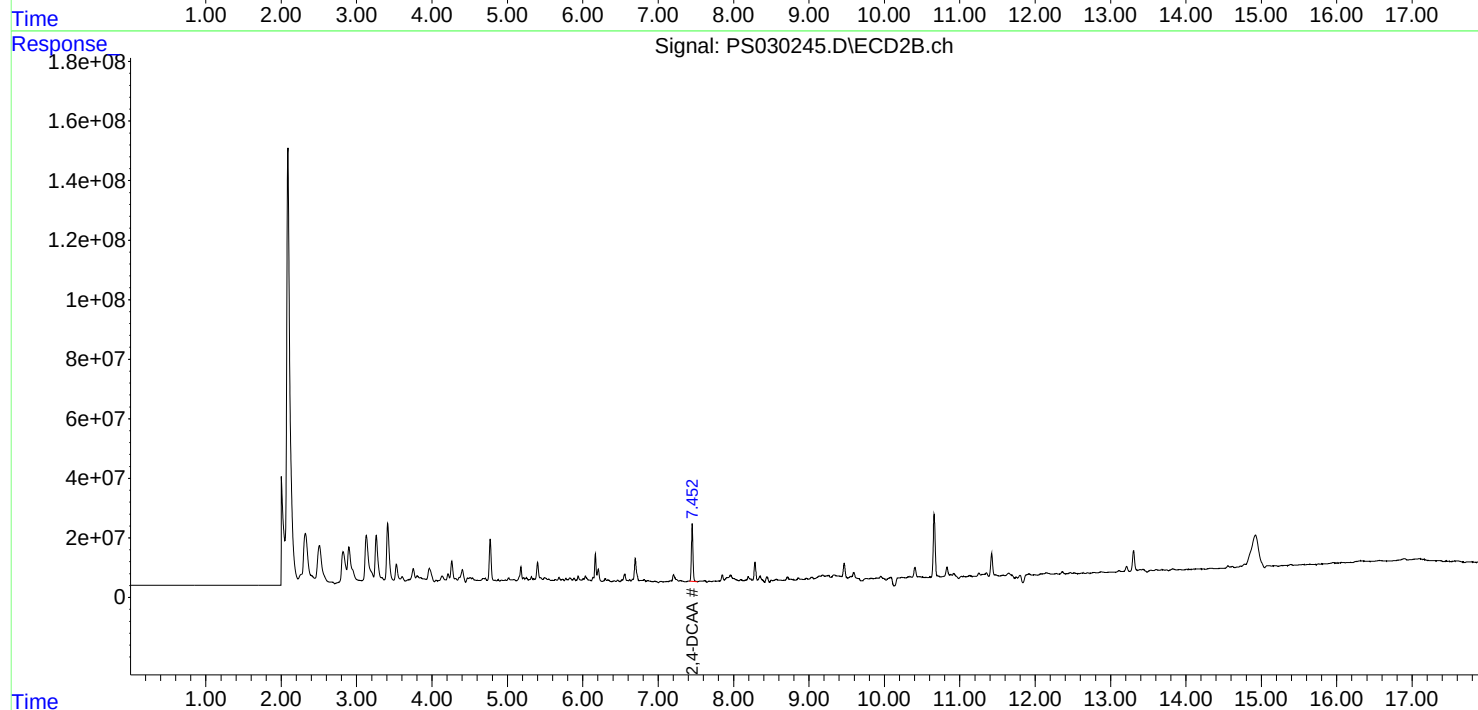
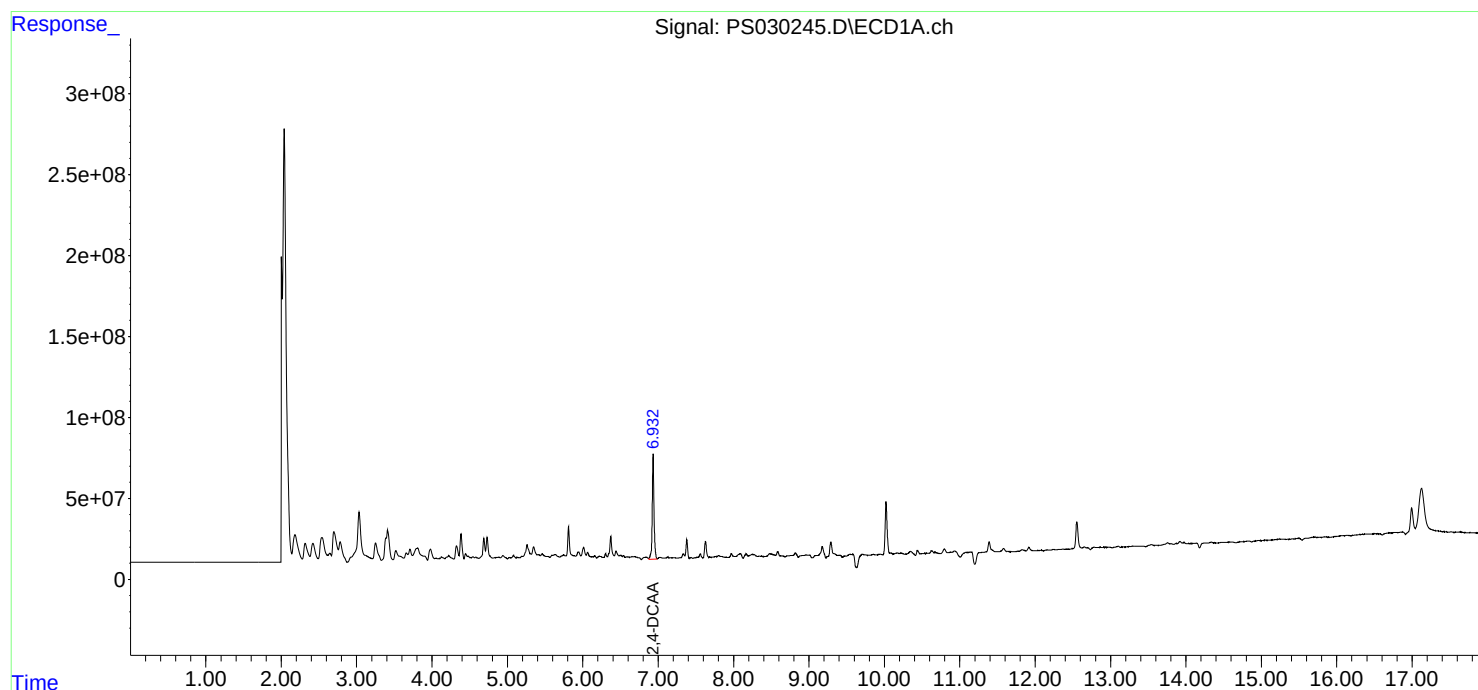
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

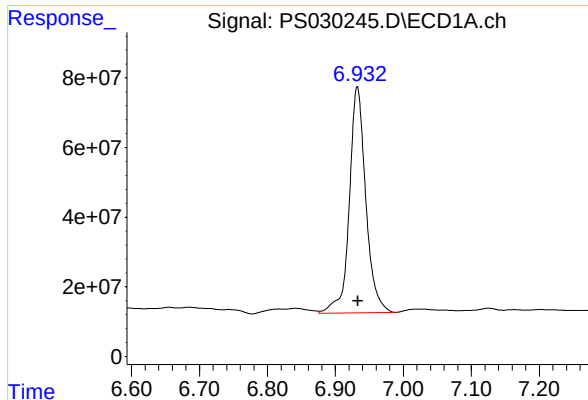
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030245.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 19:43
Operator : AR\AJ
Sample : Q1984-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-33-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:29:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

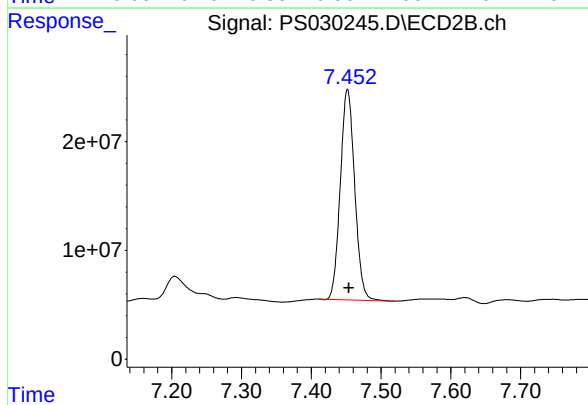




#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 1091847924
Conc: 383.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-33-050725



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 277561531
Conc: 346.86 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-34-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	95.7
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide Group1
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030246.D	1	05/14/25 08:30	05/15/25 20:07	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.034	U	0.0081	0.034	0.070	mg/Kg
75-99-0	DALAPON	0.052	U	0.018	0.052	0.070	mg/Kg
120-36-5	DICHLORPROP	0.034	U	0.013	0.034	0.070	mg/Kg
94-75-7	2,4-D	0.034	U	0.0094	0.034	0.070	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.034	U	0.0094	0.034	0.070	mg/Kg
93-76-5	2,4,5-T	0.034	U	0.0091	0.034	0.070	mg/Kg
94-82-6	2,4-DB	0.034	U	0.025	0.034	0.070	mg/Kg
88-85-7	DINOSEB	0.034	U	0.011	0.034	0.070	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	373		27 - 122		75%	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\PS051525\
 Data File : PS030246.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 20:07
 Operator : AR\AJ
 Sample : Q1984-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 OU4-PCS-TC-34-050725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
 Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:29:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.932	7.452	1061.0E6	267.2E6	372.551m	333.881
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Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 20:07
Operator : AR\AJ
Sample : Q1984-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

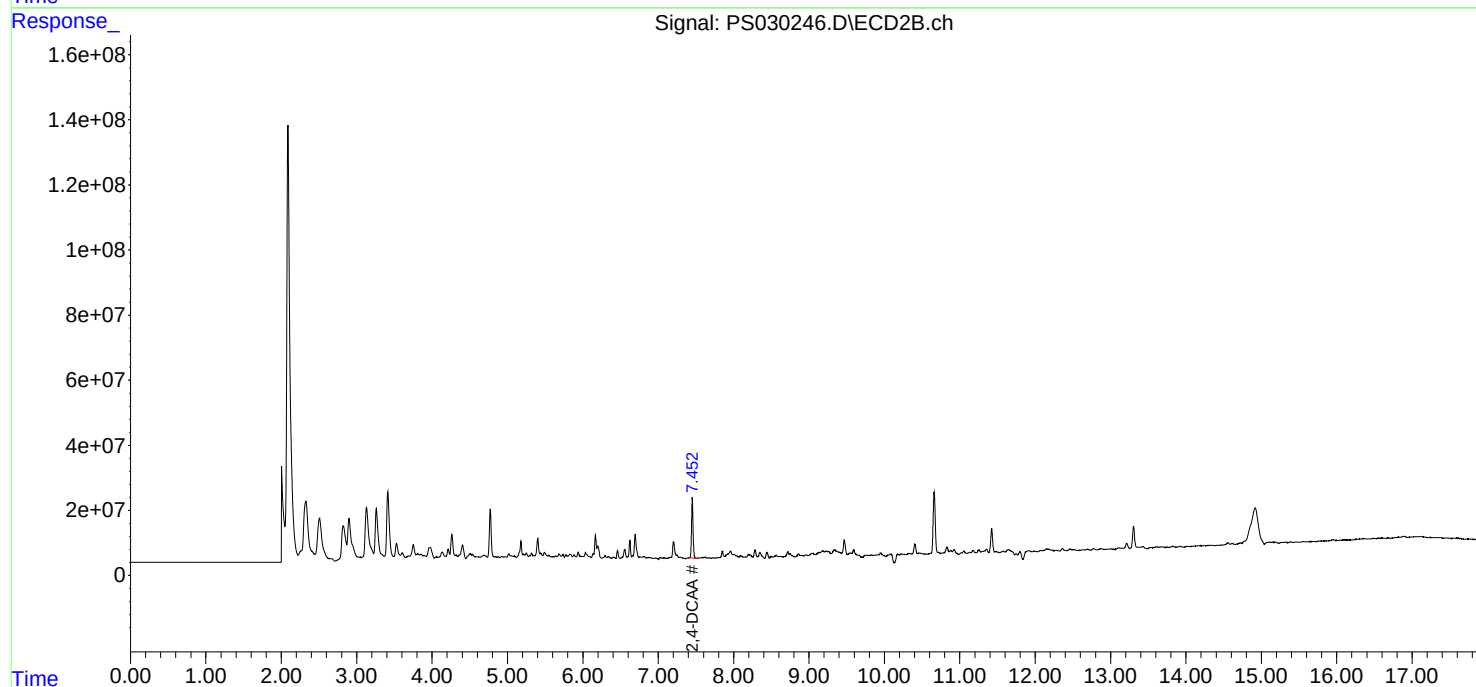
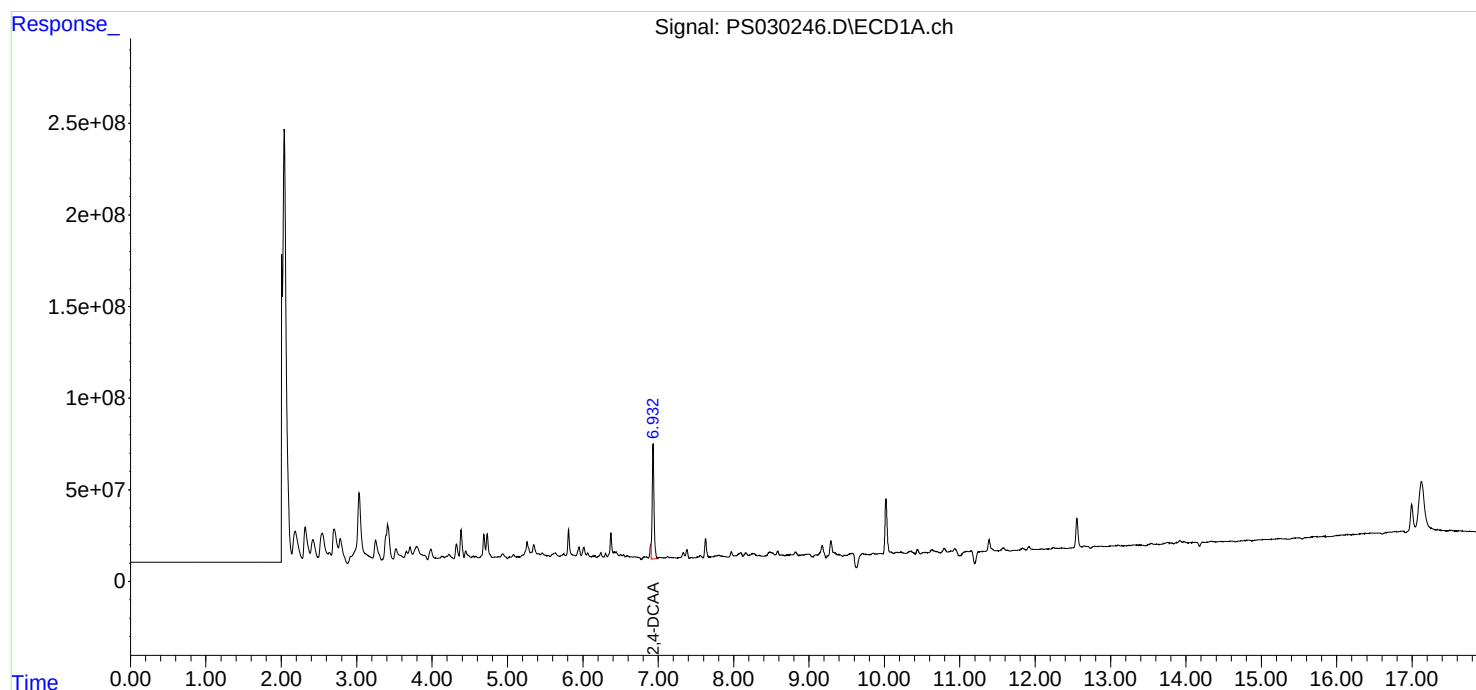
Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-34-050725

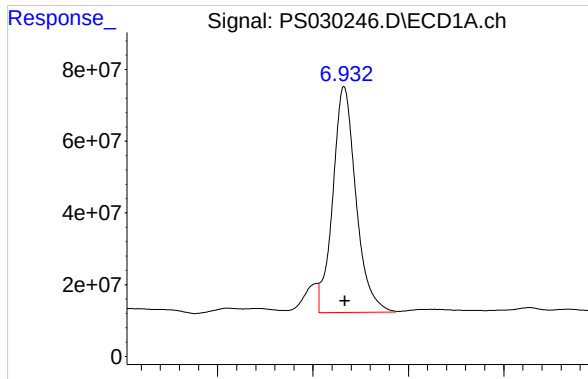
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:29:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





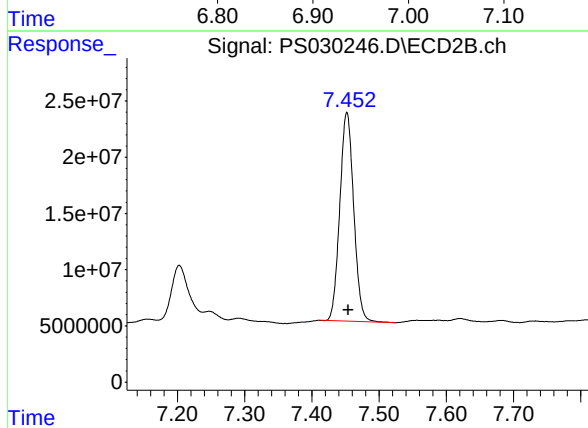
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 1060954091
Conc: 372.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-34-050725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 267172873
Conc: 333.88 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-35-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	94.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide Group1
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030249.D	1	05/14/25 08:30	05/15/25 21:19	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.035	U	0.0082	0.035	0.071	mg/Kg
75-99-0	DALAPON	0.053	U	0.019	0.053	0.071	mg/Kg
120-36-5	DICHLORPROP	0.035	U	0.014	0.035	0.071	mg/Kg
94-75-7	2,4-D	0.035	U	0.0096	0.035	0.071	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.035	U	0.0096	0.035	0.071	mg/Kg
93-76-5	2,4,5-T	0.035	U	0.0092	0.035	0.071	mg/Kg
94-82-6	2,4-DB	0.035	U	0.026	0.035	0.071	mg/Kg
88-85-7	DINOSEB	0.035	U	0.011	0.035	0.071	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	323		27 - 122		65%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030249.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 21:19
Operator : AR\AJ
Sample : Q1984-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-35-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:30:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.932	7.452	921.0E6	233.0E6	323.405	291.175
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Target Compounds

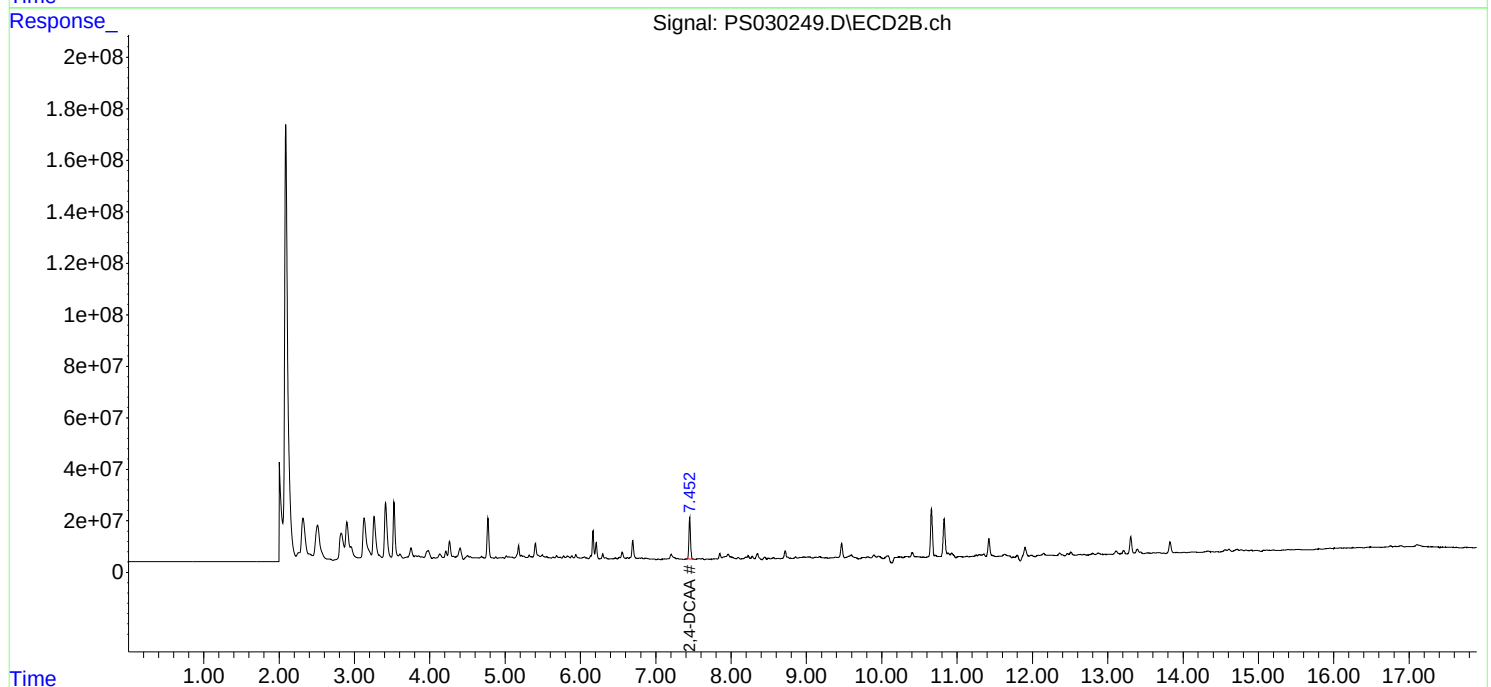
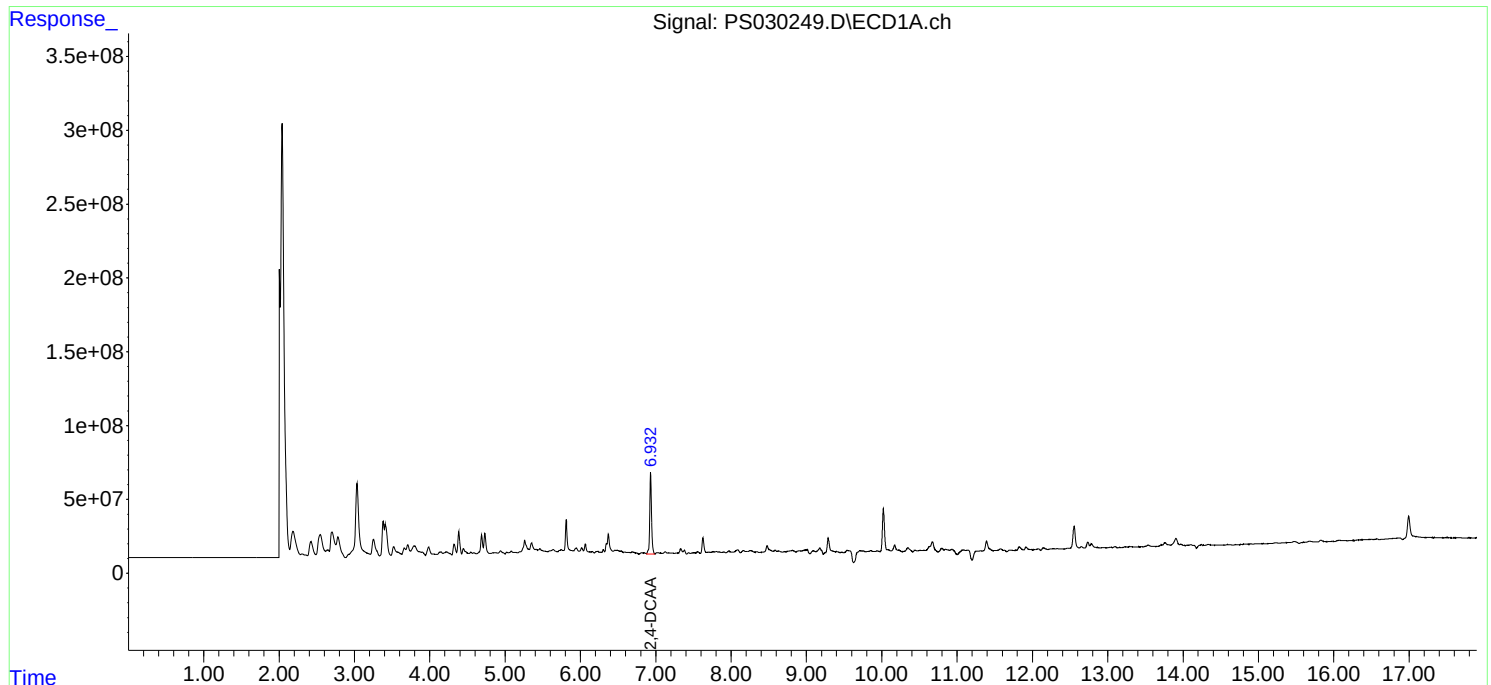
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

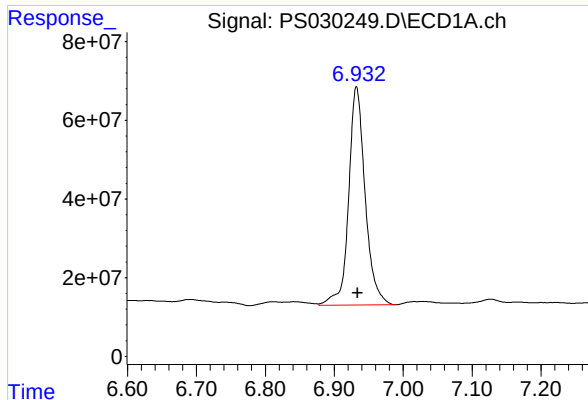
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030249.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 21:19
Operator : AR\AJ
Sample : Q1984-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-35-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:30:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

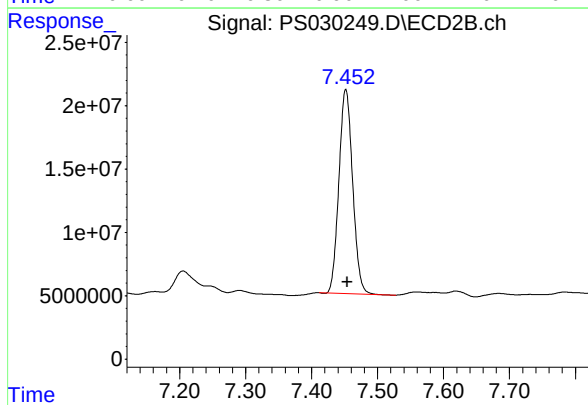




#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 920996107
Conc: 323.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-35-050725



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 232999050
Conc: 291.17 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-24-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	69.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide Group1
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030250.D	1	05/14/25 08:30	05/15/25 21:43	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.047	U	0.011	0.047	0.096	mg/Kg
75-99-0	DALAPON	0.072	U	0.025	0.072	0.096	mg/Kg
120-36-5	DICHLORPROP	0.047	U	0.018	0.047	0.096	mg/Kg
94-75-7	2,4-D	0.047	U	0.013	0.047	0.096	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.047	U	0.013	0.047	0.096	mg/Kg
93-76-5	2,4,5-T	0.047	U	0.013	0.047	0.096	mg/Kg
94-82-6	2,4-DB	0.047	U	0.035	0.047	0.096	mg/Kg
88-85-7	DINOSEB	0.047	U	0.016	0.047	0.096	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	196		27 - 122		39%	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\PS051525\
Data File : PS030250.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 21:43
Operator : AR\AJ
Sample : Q1984-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:30:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	6.933	7.451	559.4E6	146.0E6	196.427	182.511m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030250.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 21:43
Operator : AR\AJ
Sample : Q1984-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

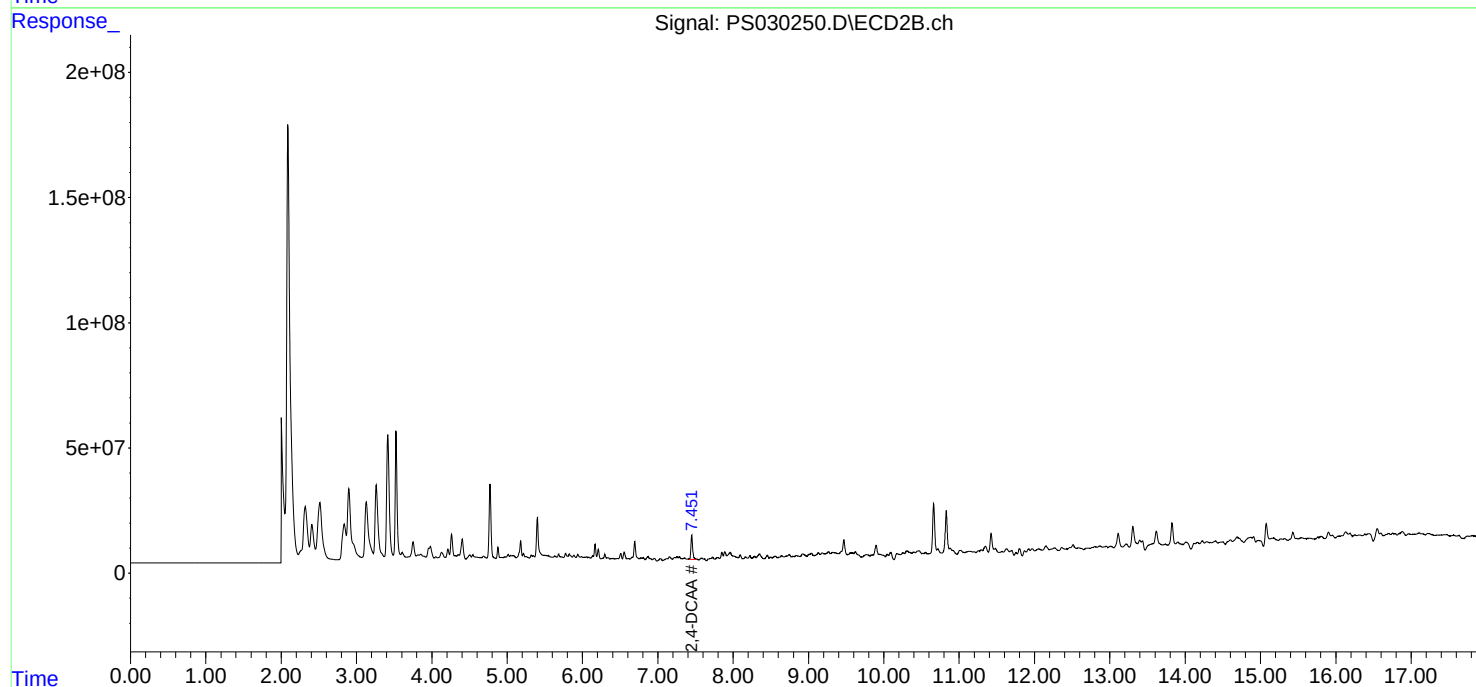
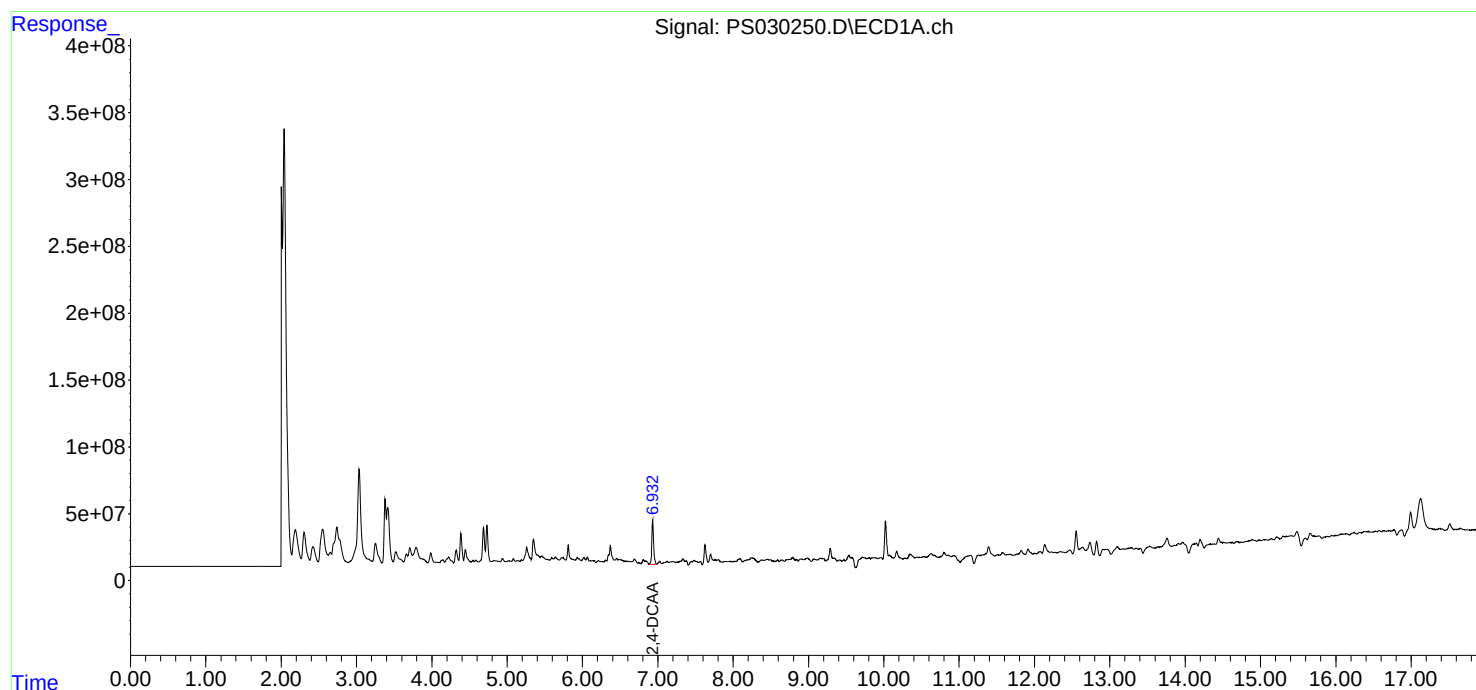
Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725

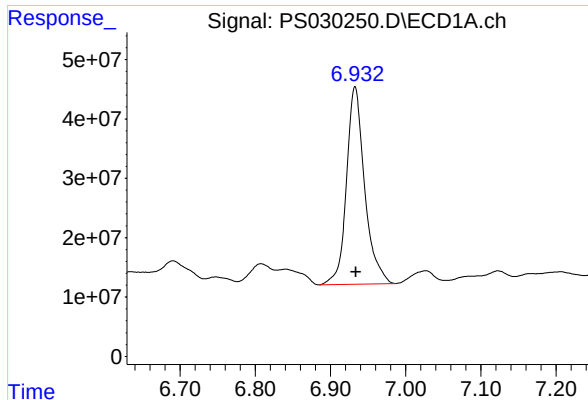
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/16/2025
Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:30:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





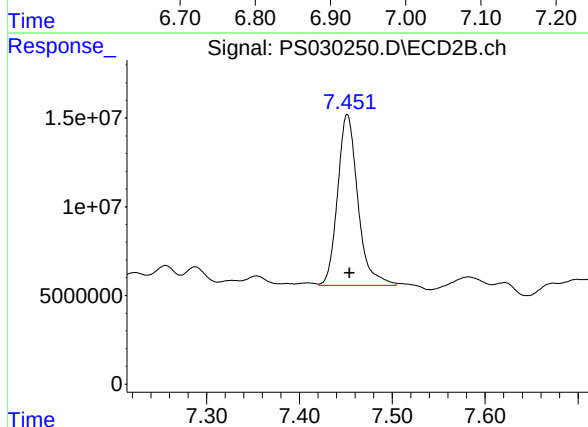
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 559385182
Conc: 196.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 146046225
Conc: 182.51 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-25-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-09	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	68
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide Group1
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030251.D	1	05/14/25 08:30	05/15/25 22:08	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.048	U	0.011	0.048	0.098	mg/Kg
75-99-0	DALAPON	0.073	U	0.026	0.073	0.098	mg/Kg
120-36-5	DICHLORPROP	0.048	U	0.019	0.048	0.098	mg/Kg
94-75-7	2,4-D	0.048	U	0.013	0.048	0.098	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.048	U	0.013	0.048	0.098	mg/Kg
93-76-5	2,4,5-T	0.048	U	0.013	0.048	0.098	mg/Kg
94-82-6	2,4-DB	0.048	U	0.036	0.048	0.098	mg/Kg
88-85-7	DINOSEB	0.048	U	0.016	0.048	0.098	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	220		27 - 122		44%	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\PS051525\
Data File : PS030251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 22:08
Operator : AR\AJ
Sample : Q1984-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:31:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
----------	------	------	--------	--------	-------	-------

System Monitoring Compounds

4) S	2,4-DCAA	6.931	7.451	627.2E6	165.4E6	220.251	206.652m
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Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 22:08
Operator : AR\AJ
Sample : Q1984-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

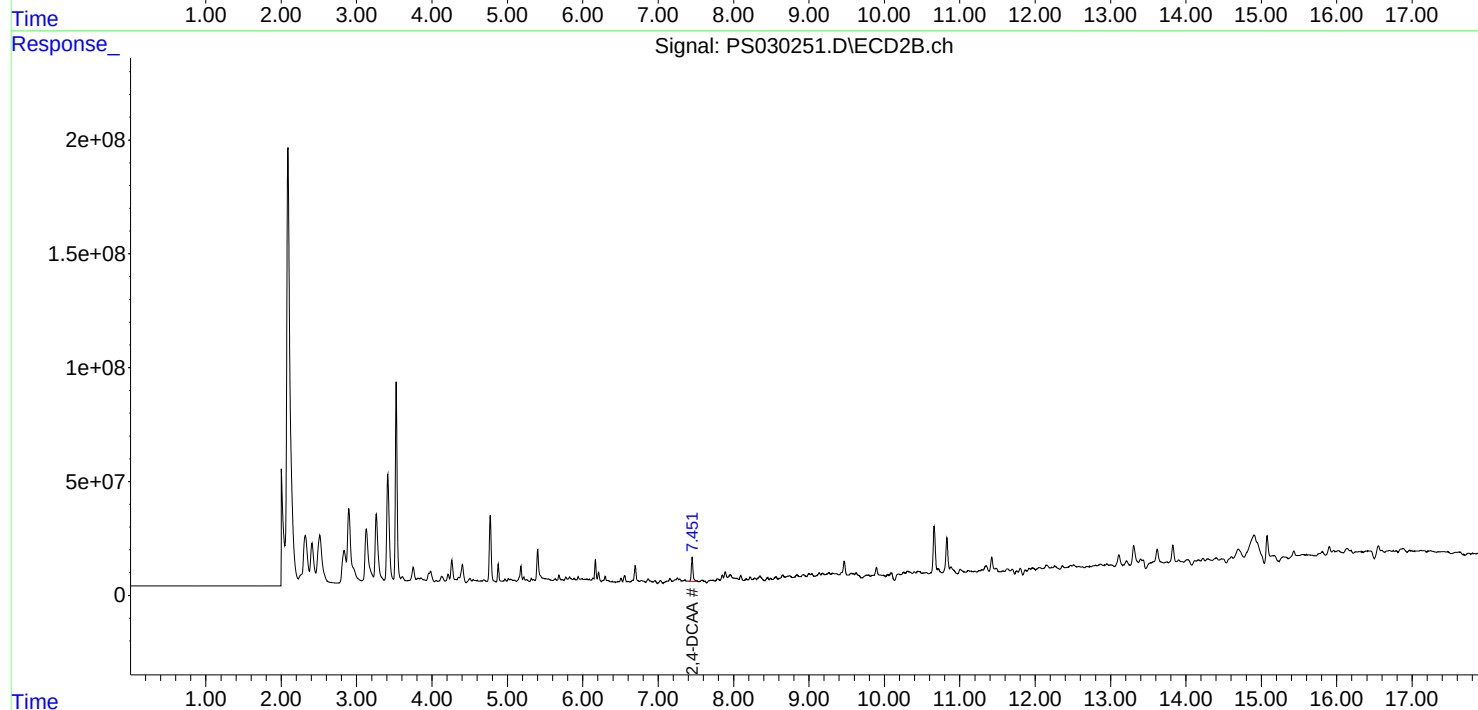
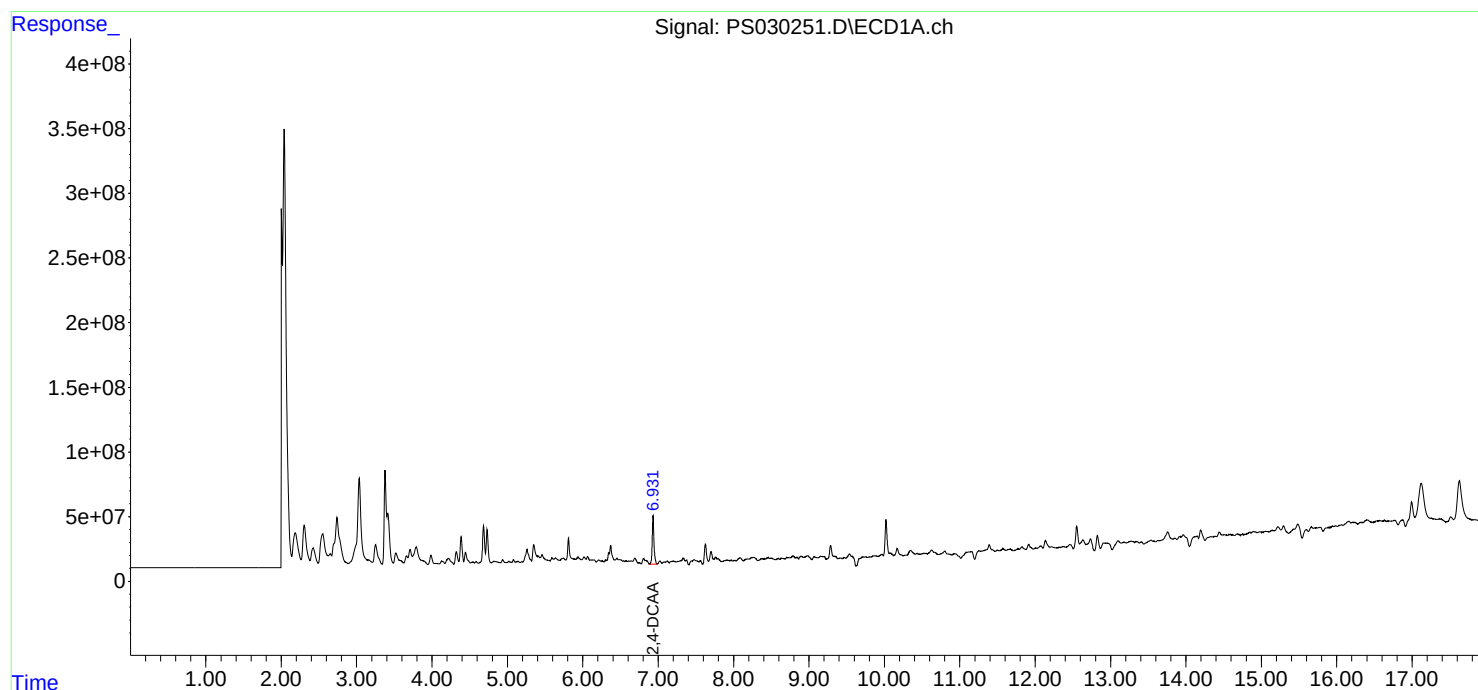
Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725

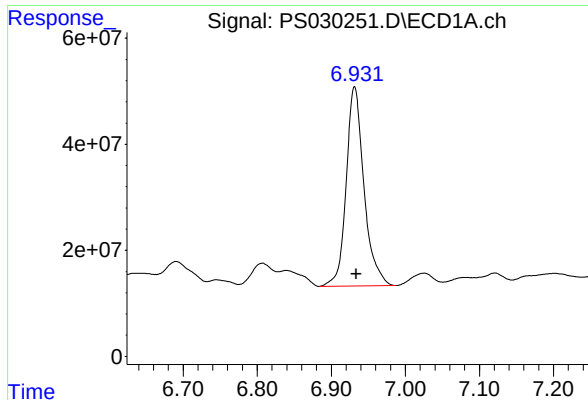
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:31:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





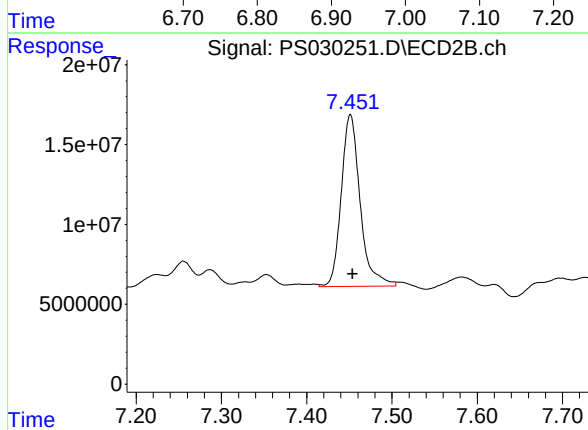
#4 2,4-DCAA

R.T.: 6.931 min
Delta R.T.: -0.002 min
Response: 627232978
Conc: 220.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 165363423
Conc: 206.65 ng/ml

Report of Analysis

Client:	Nobis Group		Date Collected:	05/07/25	
Project:	Raymark Superfund Site		Date Received:	05/08/25	
Client Sample ID:	OU4-TS-26-050725		SDG No.:	Q1984	
Lab Sample ID:	Q1984-11		Matrix:	SOIL	
Analytical Method:	8151A		% Solid:	60.1	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030252.D	1	05/14/25 08:30	05/15/25 22:32	PB167996

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	249		27 - 122		50%	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\PS051525\
 Data File : PS030252.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 22:32
 Operator : AR\AJ
 Sample : Q1984-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 OU4-TS-26-050725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
 Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:31:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.932	7.451	708.7E6	182.2E6	248.875	227.657m
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Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 22:32
Operator : AR\AJ
Sample : Q1984-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

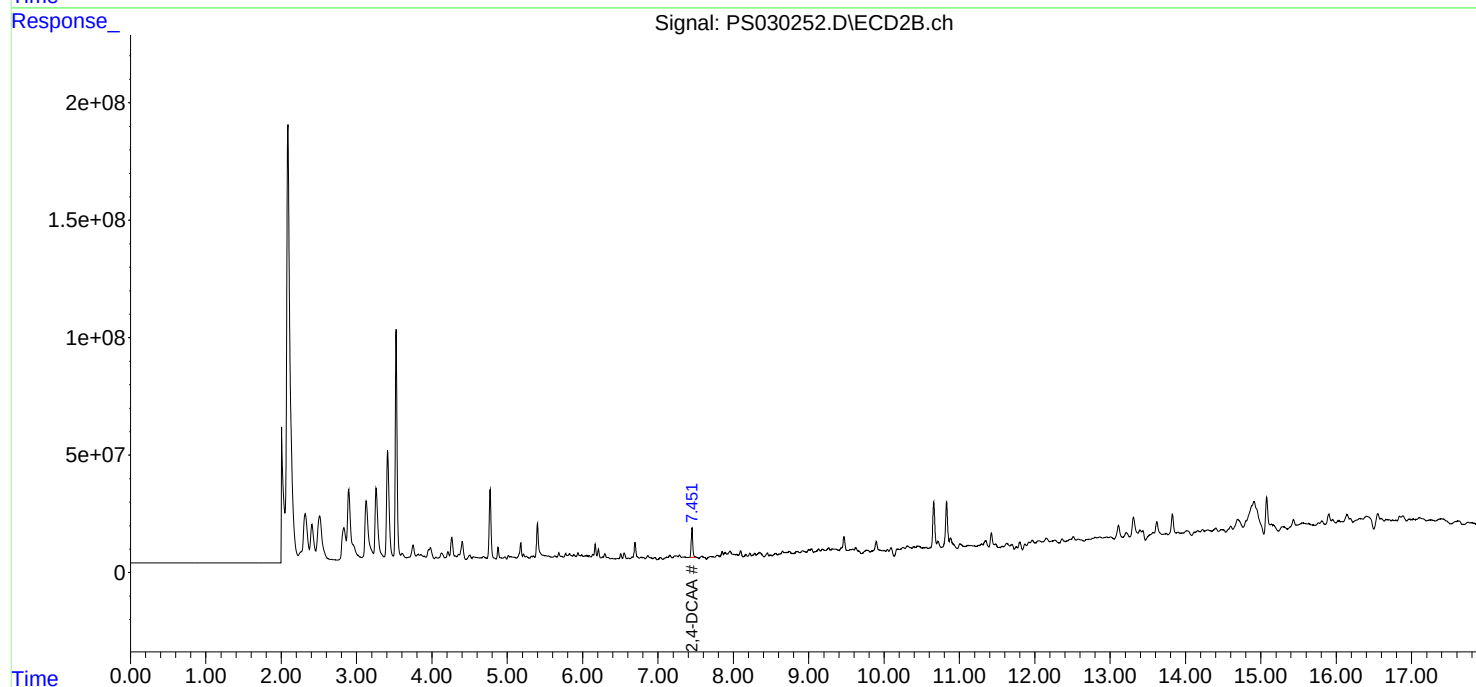
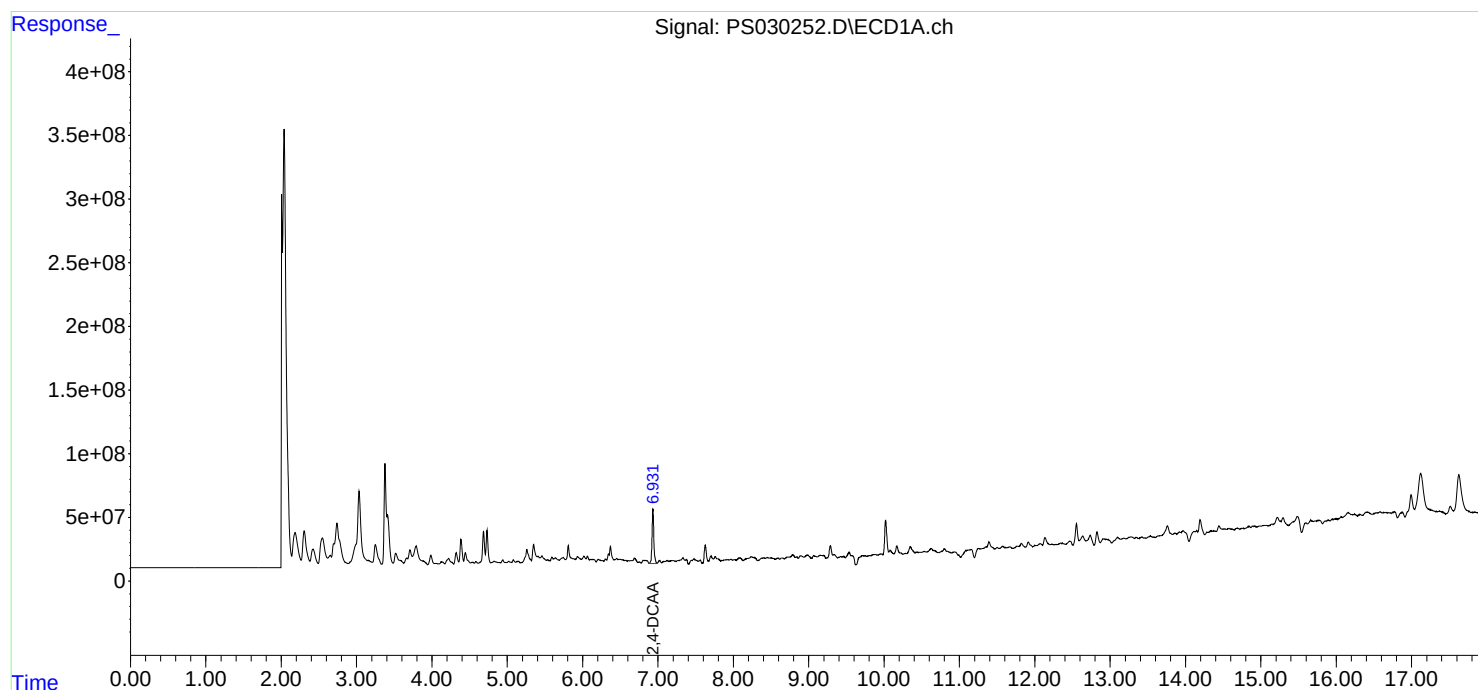
Instrument :
ECD_S
ClientSampleId :
OU4-TS-26-050725

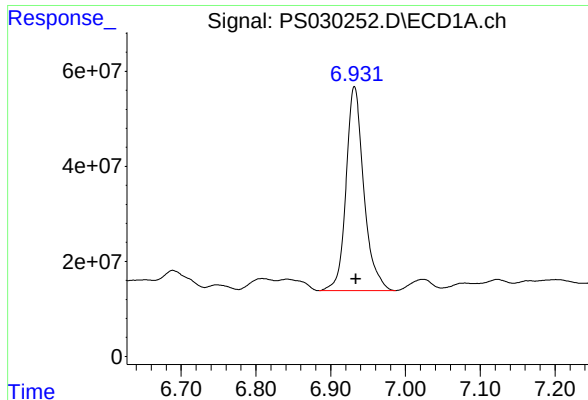
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/16/2025
Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:31:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





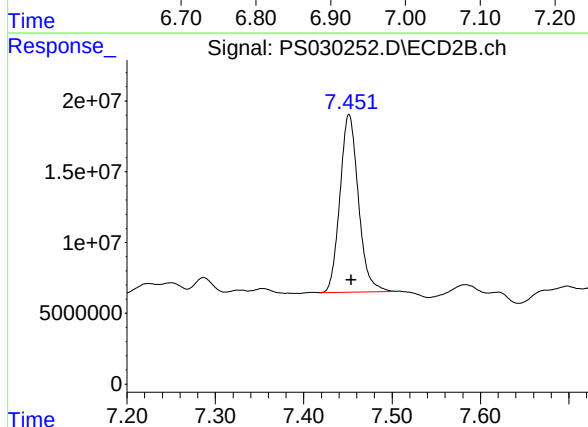
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 708748046
Conc: 248.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-26-050725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 182172339
Conc: 227.66 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-27-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-13	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	62.5
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide Group1
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030253.D	1	05/14/25 08:30	05/15/25 22:56	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.053	U	0.012	0.053	0.11	mg/Kg
75-99-0	DALAPON	0.080	U	0.028	0.080	0.11	mg/Kg
120-36-5	DICHLORPROP	0.053	U	0.020	0.053	0.11	mg/Kg
94-75-7	2,4-D	0.053	U	0.014	0.053	0.11	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.053	U	0.015	0.053	0.11	mg/Kg
93-76-5	2,4,5-T	0.053	U	0.014	0.053	0.11	mg/Kg
94-82-6	2,4-DB	0.053	U	0.039	0.053	0.11	mg/Kg
88-85-7	DINOSEB	0.053	U	0.017	0.053	0.11	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	291		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\PS051525\
Data File : PS030253.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 22:56
Operator : AR\AJ
Sample : Q1984-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-27-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:32:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.932	7.452	828.0E6	229.5E6	290.752	286.766
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Target Compounds

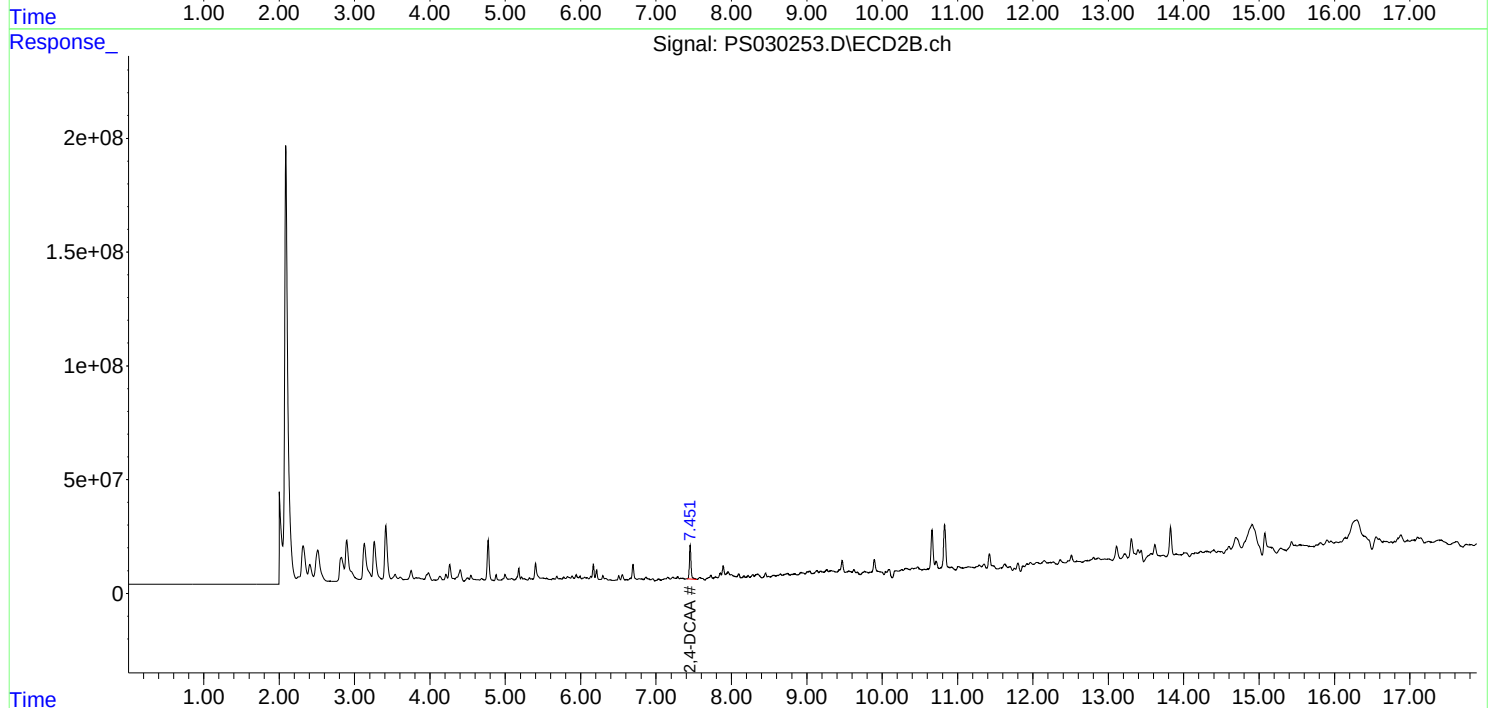
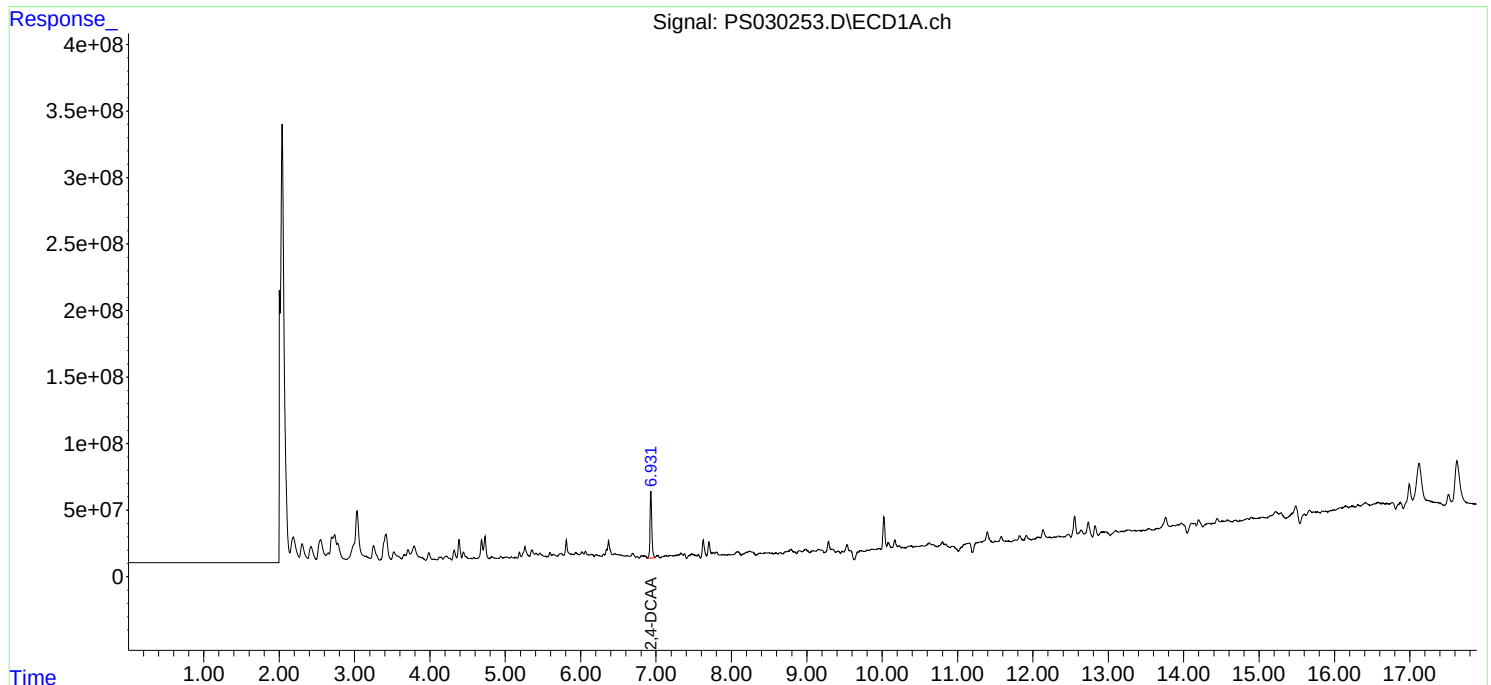
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

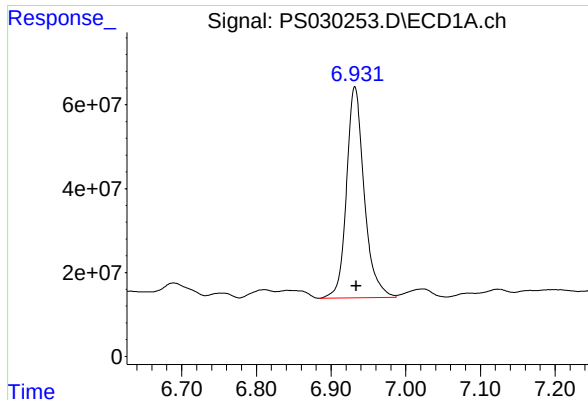
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030253.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 22:56
Operator : AR\AJ
Sample : Q1984-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-27-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:32:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

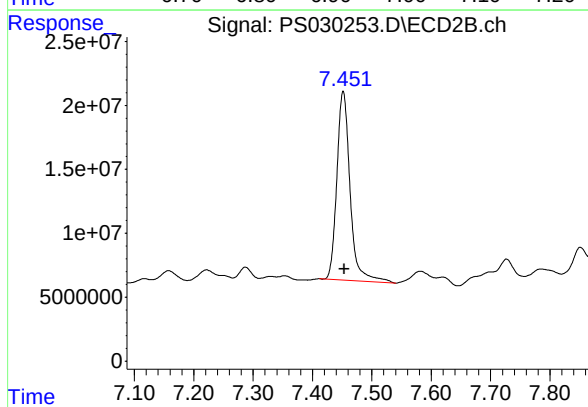




#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 828005306
Conc: 290.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-27-050725



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 229471135
Conc: 286.77 ng/ml

Report of Analysis

Client:	Nobis Group		Date Collected:	05/07/25	
Project:	Raymark Superfund Site		Date Received:	05/08/25	
Client Sample ID:	OU4-TS-28-050725		SDG No.:	Q1984	
Lab Sample ID:	Q1984-15		Matrix:	SOIL	
Analytical Method:	8151A		% Solid:	64.6	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030254.D	1	05/14/25 08:30	05/15/25 23:20	PB167996

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	0.014	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	339		27 - 122		68%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 23:20
Operator : AR\AJ
Sample : Q1984-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-28-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:32:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.932	7.452	966.7E6	260.8E6	339.445	325.925
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Target Compounds

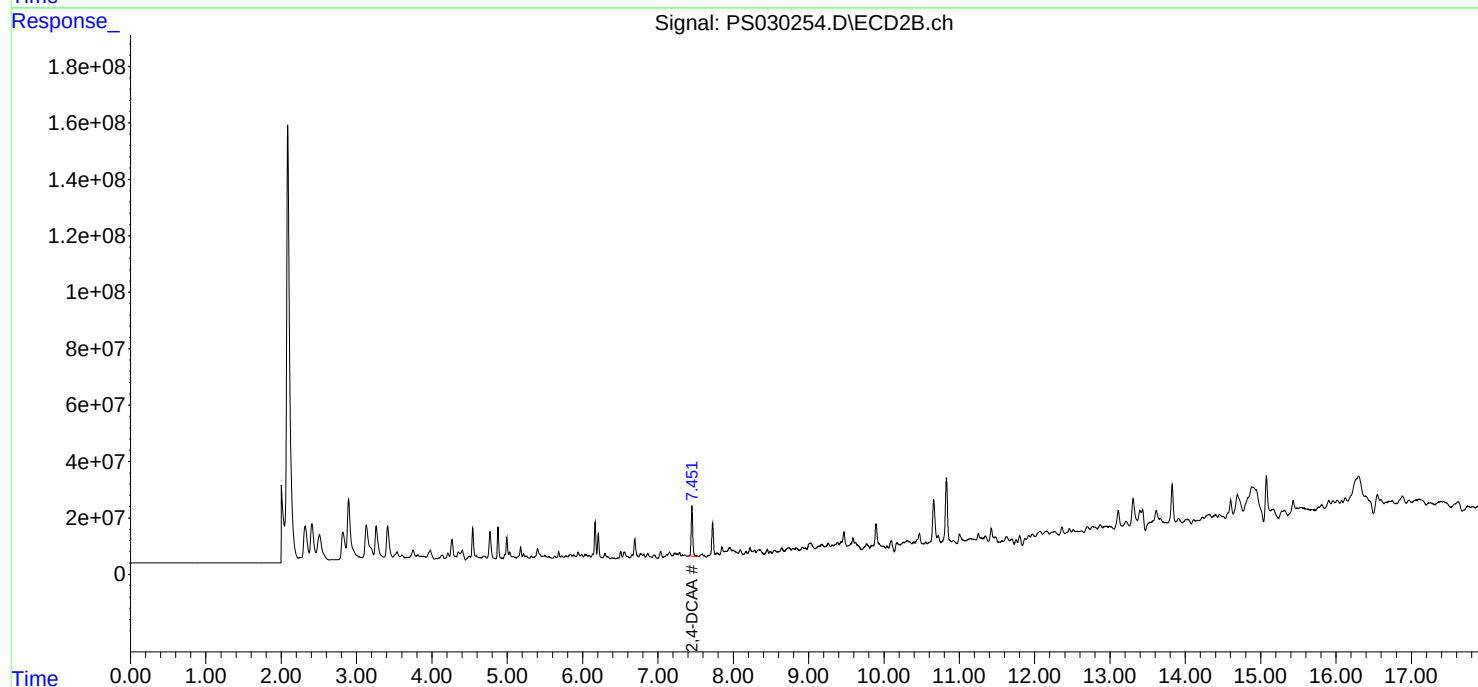
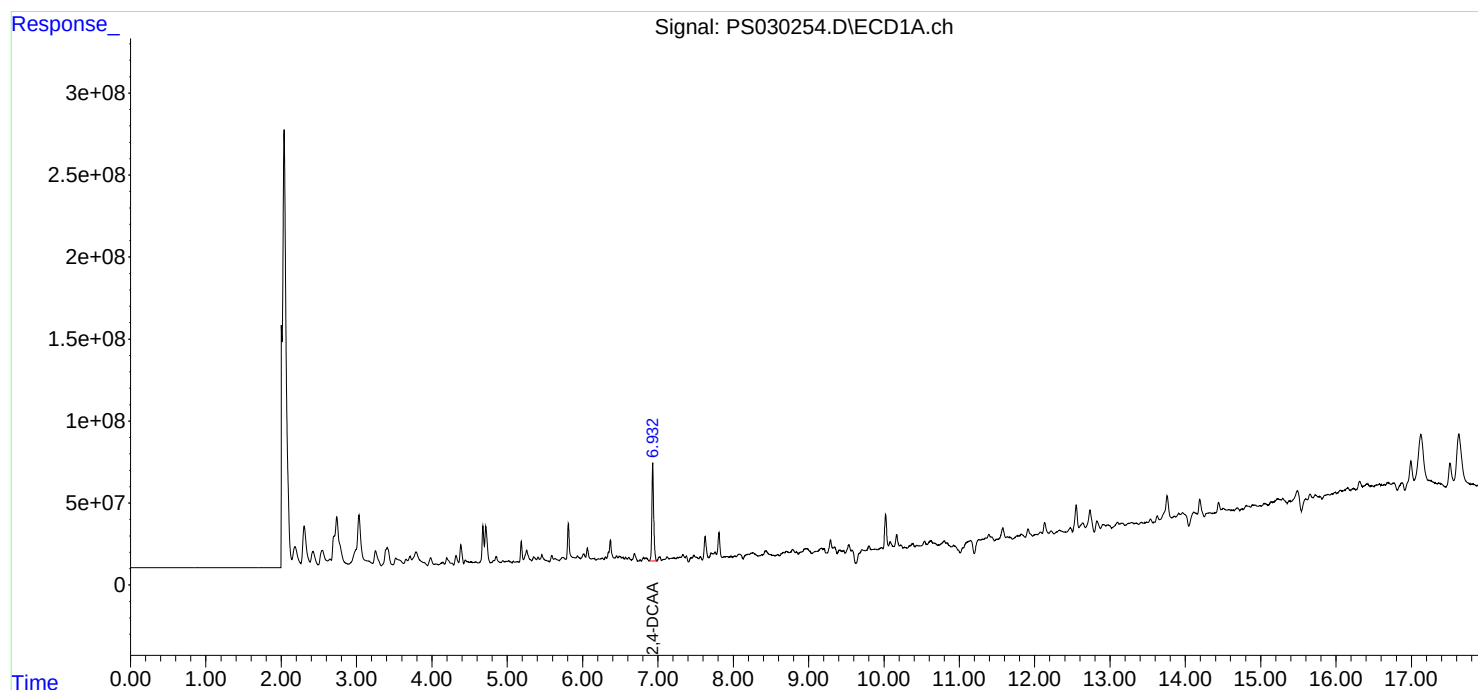
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

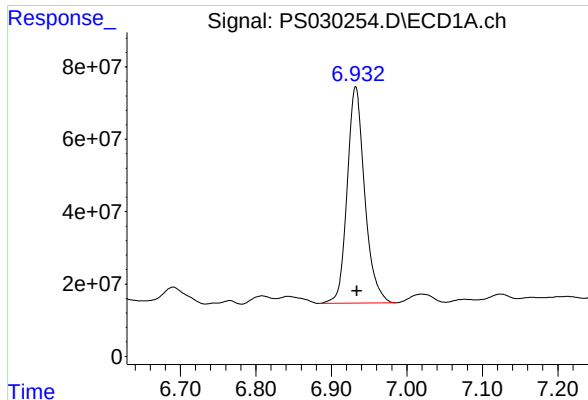
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 23:20
Operator : AR\AJ
Sample : Q1984-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-28-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:32:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

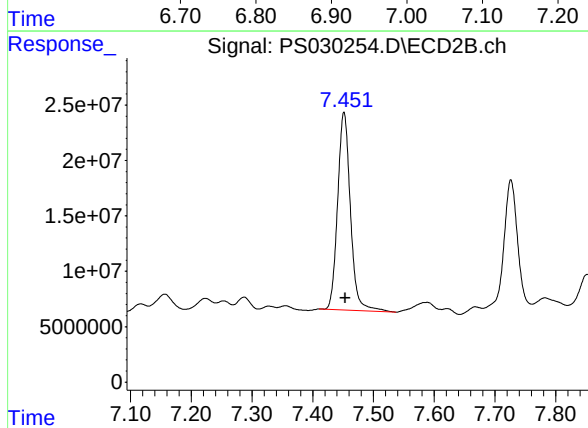




#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 966674324
Conc: 339.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-28-050725



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 260805977
Conc: 325.92 ng/ml



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984
Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025
Calibration Times: 12:30 14:06

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

LAB FILE ID:	RT 200 = <u>PS030125.D</u>	RT 500 = <u>PS030126.D</u>
RT 750 = <u>PS030127.D</u>	RT 1000 = <u>PS030128.D</u>	RT 1500 = <u>PS030129.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	9.13	9.13	9.13	9.13	9.13	9.13	9.03	9.23
2,4,5-TP(Silvex)	8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
2,4-D	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
2,4-DB	9.69	9.69	9.69	9.69	9.69	9.69	9.59	9.79
2,4-DCAA	6.93	6.93	6.93	6.93	6.93	6.93	6.83	7.03
Dalapon	2.45	2.45	2.45	2.45	2.45	2.45	2.35	2.55
DICAMBA	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21
DICHLORPROP	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89
Dinoseb	10.85	10.85	10.85	10.85	10.85	10.85	10.75	10.95

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984
Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025
Calibration Times: 12:30 14:06

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

LAB FILE ID:	RT 200 = <u>PS030125.D</u>	RT 500 = <u>PS030126.D</u>
RT 750 = <u>PS030127.D</u>	RT 1000 = <u>PS030128.D</u>	RT 1500 = <u>PS030129.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
2,4,5-TP(Silvex)	9.52	9.52	9.52	9.52	9.52	9.52	9.42	9.62
2,4-D	8.64	8.65	8.64	8.65	8.65	8.64	8.54	8.74
2,4-DB	10.49	10.49	10.49	10.49	10.49	10.48	10.38	10.58
2,4-DCAA	7.45	7.45	7.45	7.45	7.45	7.45	7.35	7.55
Dalapon	2.52	2.52	2.52	2.52	2.52	2.52	2.42	2.62
DICAMBA	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
DICHLORPROP	8.33	8.33	8.33	8.33	8.33	8.33	8.23	8.43
Dinoseb	10.86	10.86	10.86	10.86	10.86	10.86	10.76	10.96

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984
Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025
Calibration Times: 12:30 14:06
GC Column: RTX-CLP **ID:** 0.32 (mm)

LAB FILE ID:		CF 200 = <u>PS030125.D</u>		CF 500 = <u>PS030126.D</u>			
CF 750 = <u>PS030127.D</u>		CF 1000 = <u>PS030128.D</u>		CF 1500 = <u>PS030129.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	19806400000	16697600000	15922400000	15360700000	14788800000	16515200000	12
2,4,5-TP(Silvex)	19321200000	16303400000	15619800000	15128700000	14606800000	16196000000	11
2,4-D	4048870000	3291910000	3113030000	3014870000	2926010000	3278940000	14
2,4-DB	2822620000	2567110000	2564340000	2542470000	2552320000	2609770000	5
2,4-DCAA	3540840000	2868830000	2702520000	2609290000	2517560000	2847810000	14
Dalapon	6383360000	4931110000	4590710000	4419740000	4251890000	4915360000	17
DICAMBA	13660900000	11601800000	11140600000	10847100000	10536400000	11557400000	11
DICHLORPROP	3626670000	2931320000	2773470000	2680380000	2594880000	2921340000	14
Dinoseb	13788600000	11497400000	10989000000	10638600000	10268200000	11436400000	12

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1984 **SAS No.:** Q1984 **SDG NO.:** Q1984
Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025
Calibration Times: 12:30 14:06
GC Column: RTX-CLP2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 200 = <u>PS030125.D</u>		CF 500 = <u>PS030126.D</u>			
CF 750 = <u>PS030127.D</u>		CF 1000 = <u>PS030128.D</u>		CF 1500 = <u>PS030129.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	10274700000	9232570000	9042300000	8854580000	8613880000	9203610000	7
2,4,5-TP(Silvex)	10913400000	9868000000	9697110000	9517670000	9255920000	9850430000	6
2,4-D	1480680000	1290430000	1248060000	1225910000	1207420000	1290500000	9
2,4-DB	1268930000	952436000	948485000	881256000	910753000	992372000	16
2,4-DCAA	922885000	799420000	773490000	758361000	746863000	800204000	9
Dalapon	2446610000	2023060000	1926960000	1902080000	1856540000	2031050000	12
DICAMBA	5034950000	4673810000	4651340000	4635790000	4643990000	4727980000	4
DICHLORPROP	1388930000	1177530000	1140920000	1112240000	1087540000	1181430000	10
Dinoseb	7723880000	6842530000	6670660000	6540750000	6382090000	6831980000	8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030125.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 12:30
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:50:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	6.934	7.454	708.2E6	184.6E6	233.150	221.866
Target Compounds						
1) T Dalapon	2.446	2.520	1161.8E6	445.3E6	230.933	208.837
2) T 3,5-DICHL...	6.138	6.453	948.7E6	240.0E6	214.407	195.017
3) T 4-Nitroph...	6.725	6.989	439.9E6	195.9E6	203.363	173.219
5) T DICAMBA	7.109	7.639	2568.3E6	946.6E6	211.650	199.141
6) T MCPP	7.286	7.744	110.4E6	32616416	14.656	18.070
7) T MCPA	7.428	7.974	200.2E6	49441444	19.272	18.610
8) T DICHLORPROP	7.789	8.332	681.8E6	261.1E6	219.198	211.296
9) T 2,4-D	8.011	8.644	761.2E6	278.4E6	218.443	207.780
10) T Pentachlo...	8.286	9.144	9450.6E6	5262.3E6	215.768	204.481
11) T 2,4,5-TP ...	8.850	9.522	3671.0E6	2073.6E6	214.913	204.100
12) T 2,4,5-T	9.133	9.927	3763.2E6	1952.2E6	215.342	205.137
13) T 2,4-DB	9.691	10.485	536.3E6	241.1E6	202.273	228.178
14) T DINOSEB	10.850	10.858	2592.3E6	1452.1E6	214.384	205.126
15) T Picloram	10.672	11.892	4602.8E6	2955.0E6	207.830	206.560m
16) T DCPA	11.152	11.892	4589.7E6	2821.7E6	217.427	194.524m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:30
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations

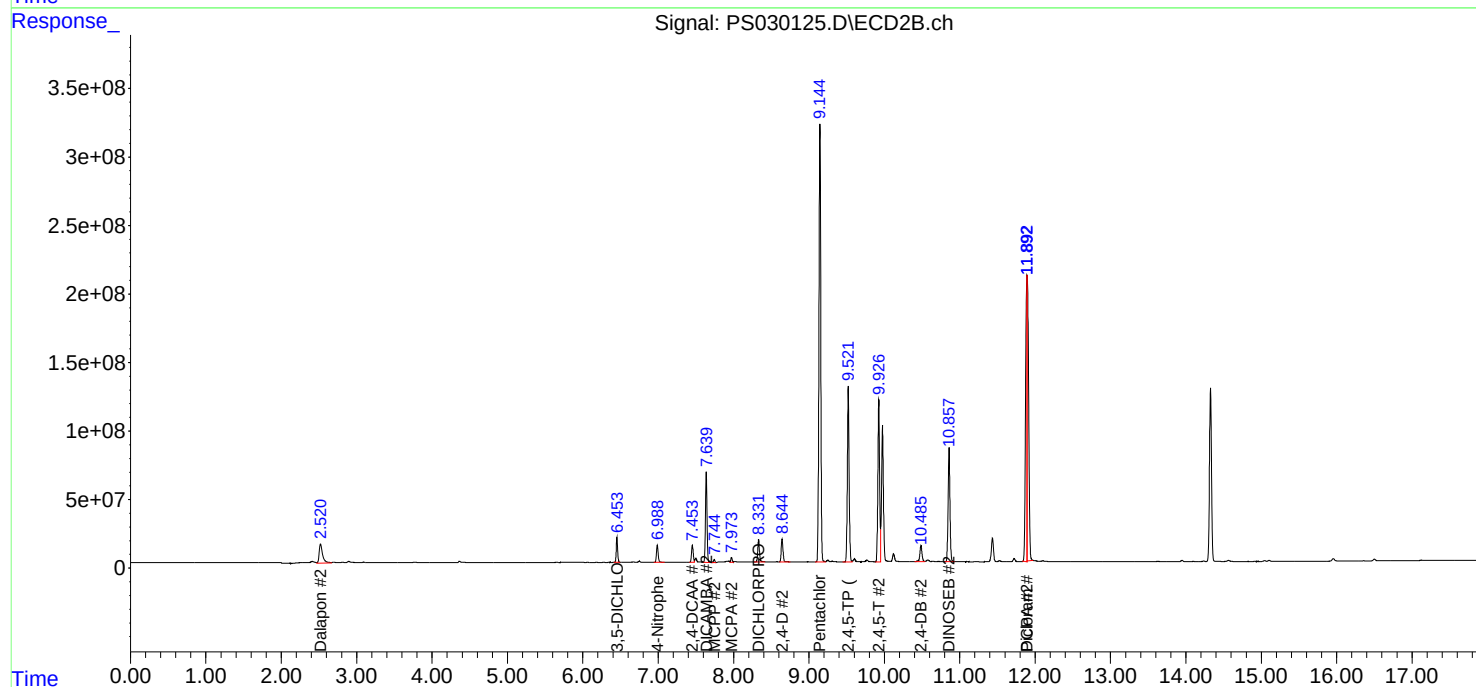
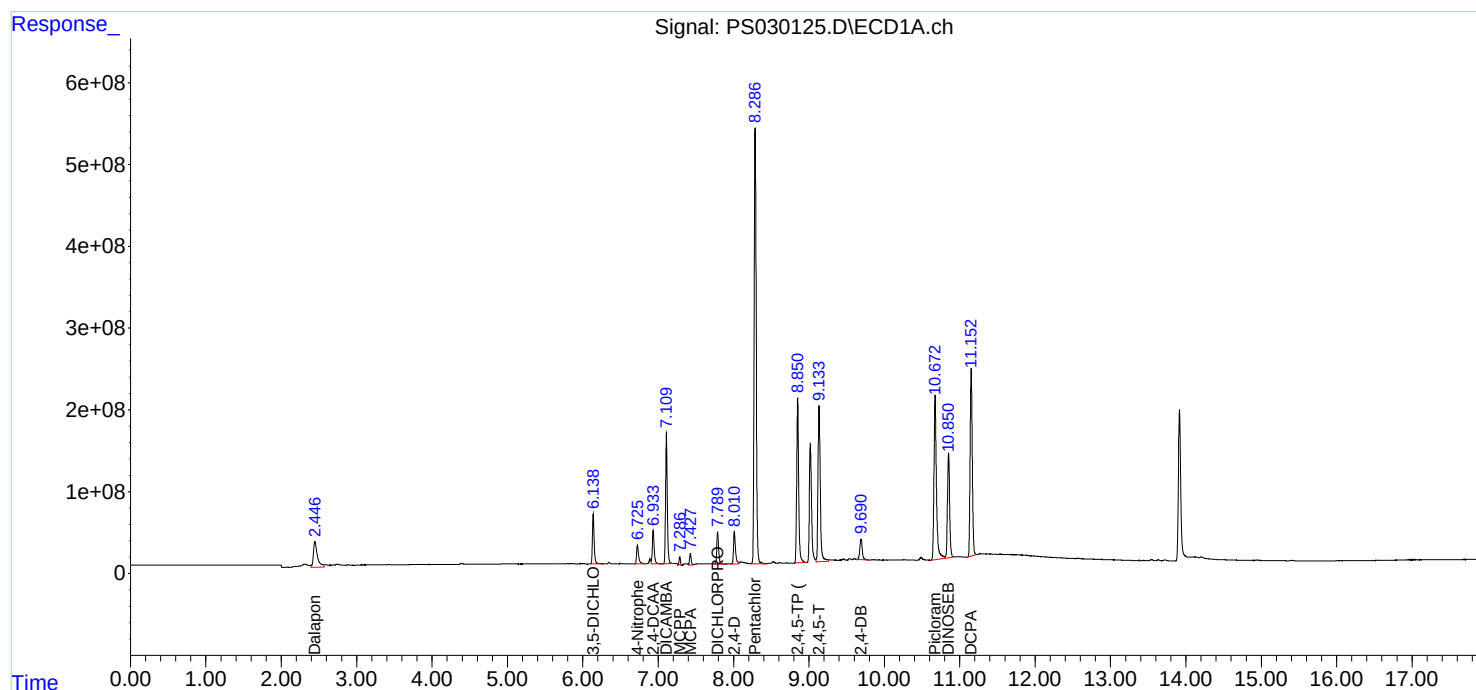
APPROVED

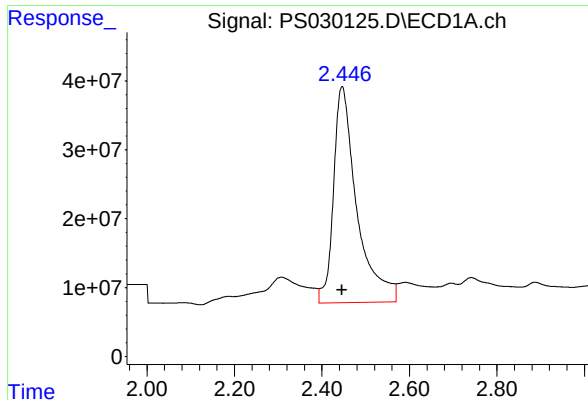
Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:50:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Dalapon

R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 1161770899
Conc: 230.93 ng/ml

Instrument :

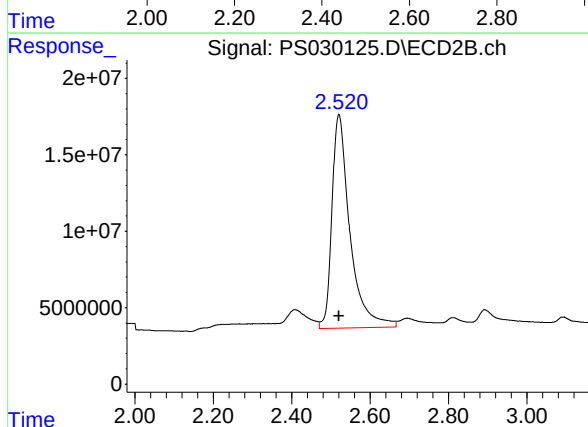
ECD_S

ClientSampleId :

HSTDICC200

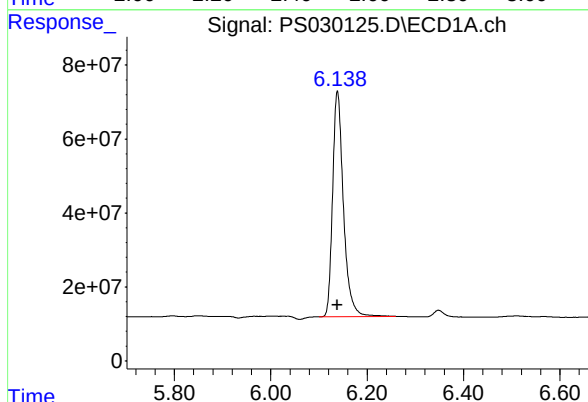
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



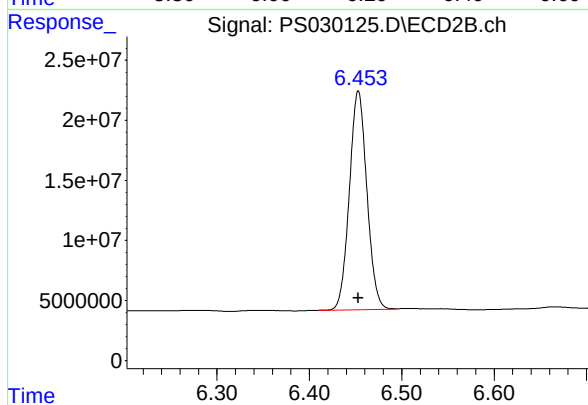
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 445283422
Conc: 208.84 ng/ml



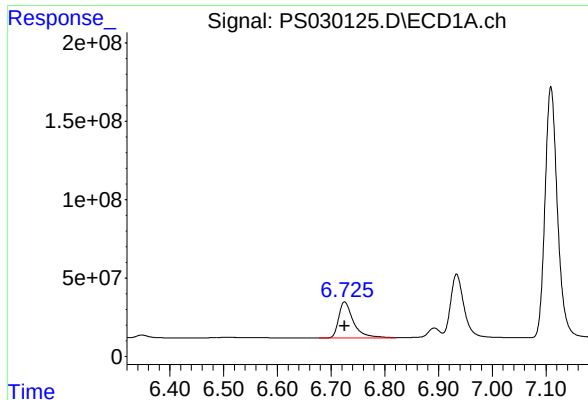
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 948711523
Conc: 214.41 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 239960874
Conc: 195.02 ng/ml



#3 4-Nitrophenol

R.T.: 6.725 min
Delta R.T.: 0.000 min
Response: 439868088
Conc: 203.36 ng/ml

Instrument :

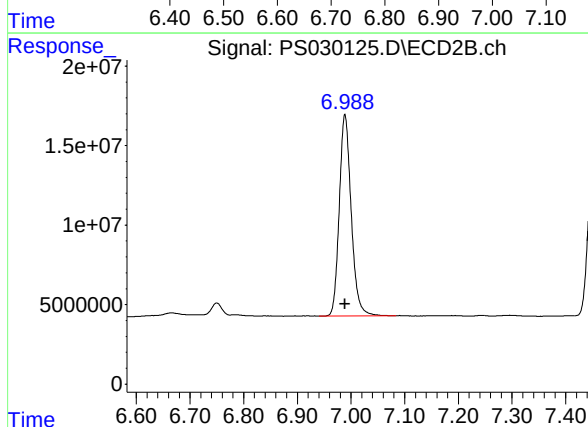
ECD_S

ClientSampleId :

HSTDICC200

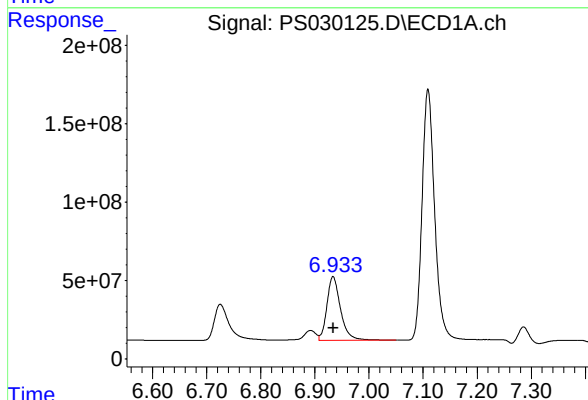
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



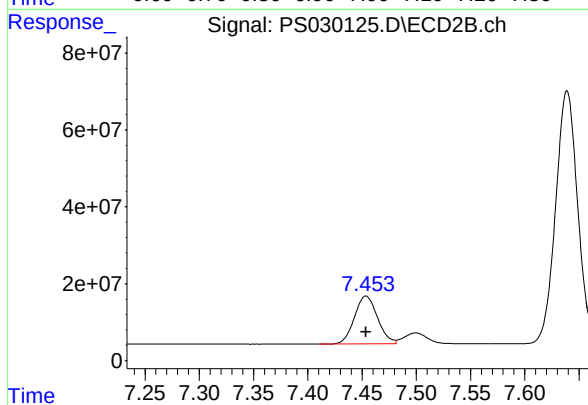
#3 4-Nitrophenol

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 195923722
Conc: 173.22 ng/ml



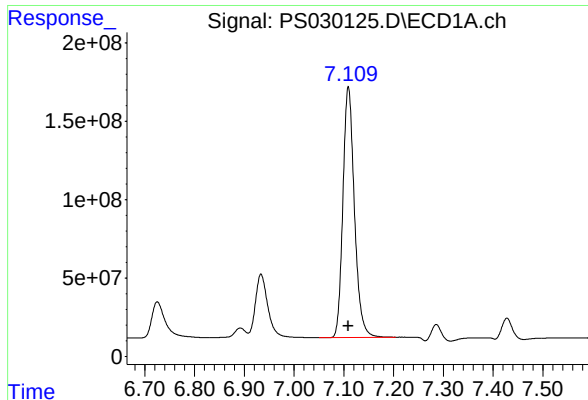
#4 2,4-DCAA

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 708167938
Conc: 233.15 ng/ml



#4 2,4-DCAA

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 184576925
Conc: 221.87 ng/ml



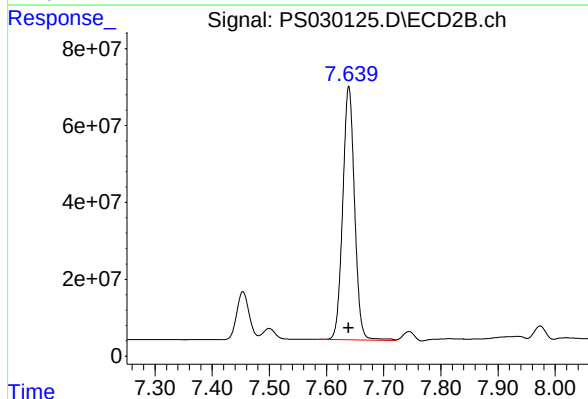
#5 DICAMBA

R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 2568258061
Conc: 211.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

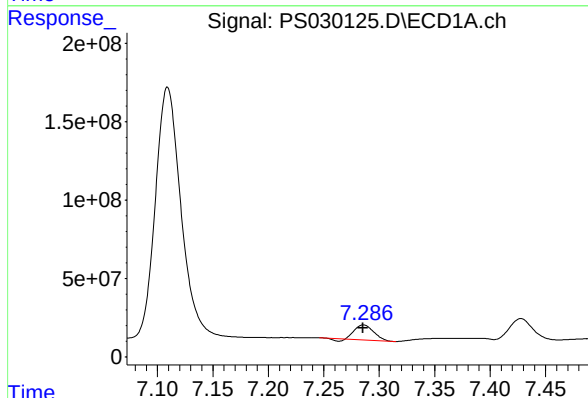
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



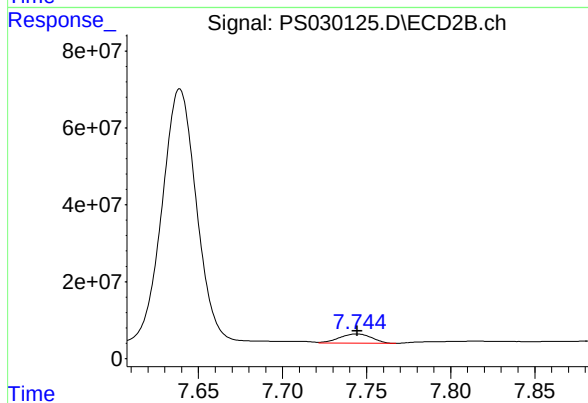
#5 DICAMBA

R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 946570684
Conc: 199.14 ng/ml



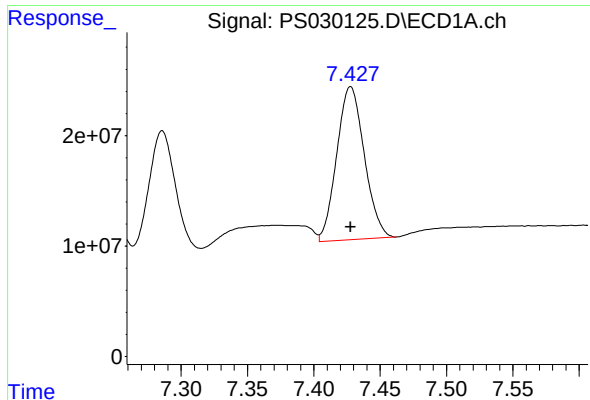
#6 MCPP

R.T.: 7.286 min
Delta R.T.: 0.000 min
Response: 110444124
Conc: 14.66 ug/ml



#6 MCPP

R.T.: 7.744 min
Delta R.T.: 0.000 min
Response: 32616416
Conc: 18.07 ug/ml



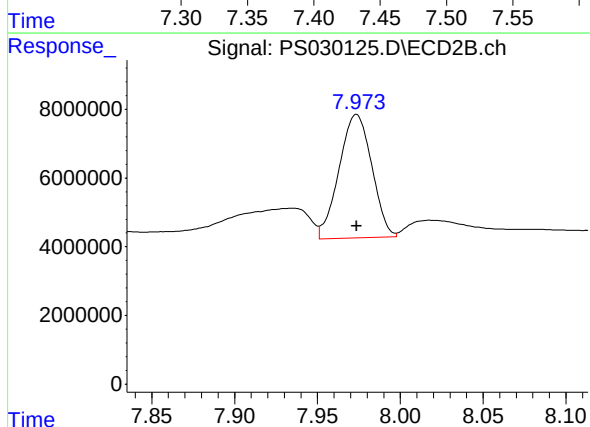
#7 MCPA

R.T.: 7.428 min
Delta R.T.: 0.000 min
Response: 200215654
Conc: 19.27 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

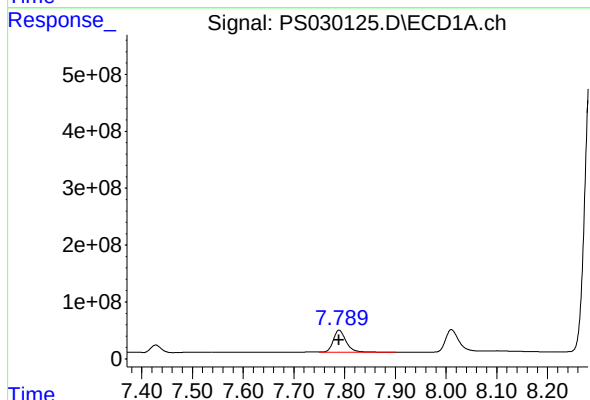
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



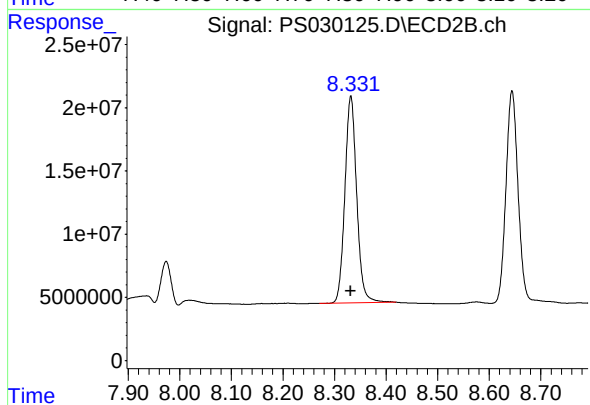
#7 MCPA

R.T.: 7.974 min
Delta R.T.: 0.000 min
Response: 49441444
Conc: 18.61 ug/ml



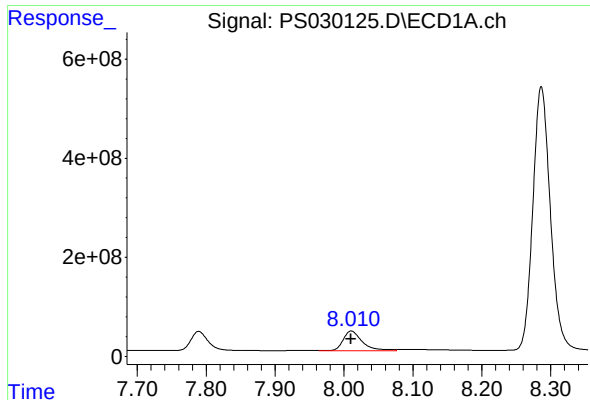
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 681813702
Conc: 219.20 ng/ml



#8 DICHLORPROP

R.T.: 8.332 min
Delta R.T.: 0.000 min
Response: 261118943
Conc: 211.30 ng/ml



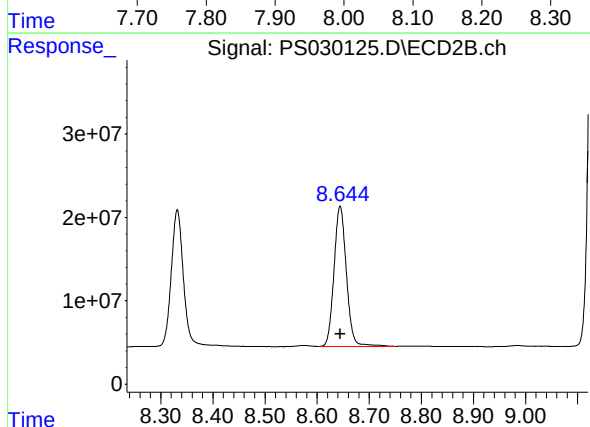
#9 2,4-D

R.T.: 8.011 min
Delta R.T.: 0.000 min
Response: 761187960
Conc: 218.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

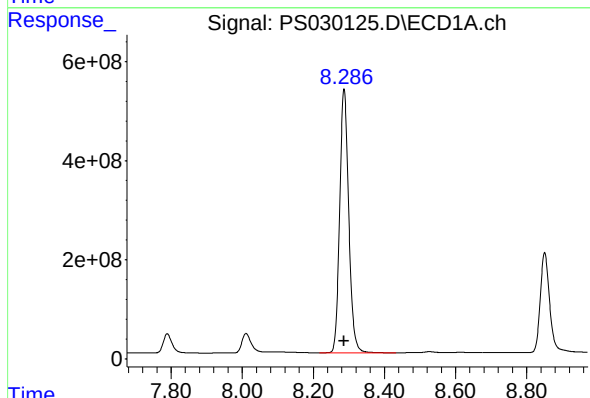
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



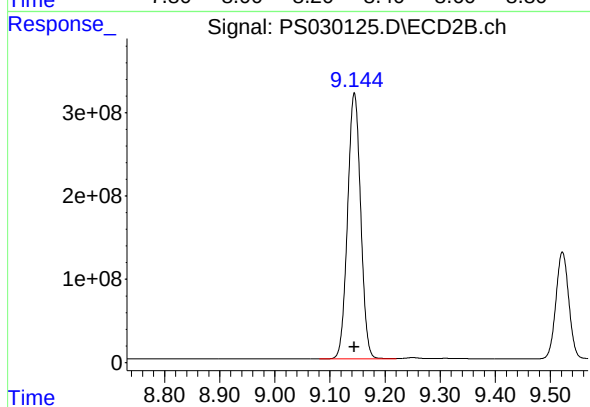
#9 2,4-D

R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 278368019
Conc: 207.78 ng/ml



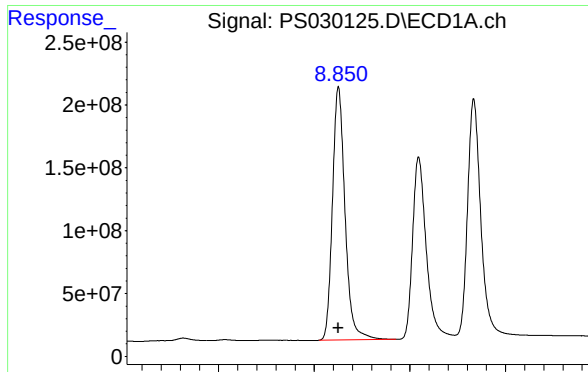
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: 0.000 min
Response: 9450557970
Conc: 215.77 ng/ml



#10 Pentachlorophenol

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 5262318944
Conc: 204.48 ng/ml



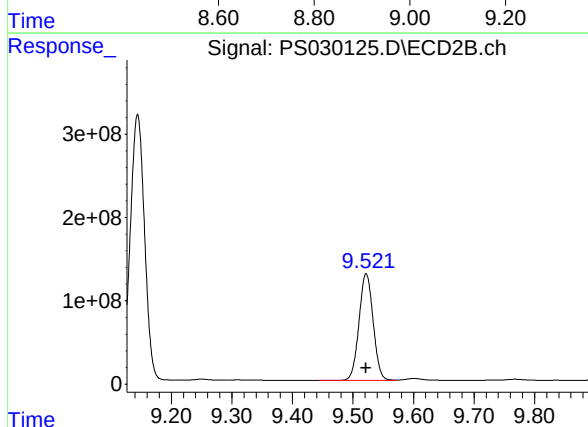
#11 2,4,5-TP (SILVEX)

R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 3671026985
Conc: 214.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

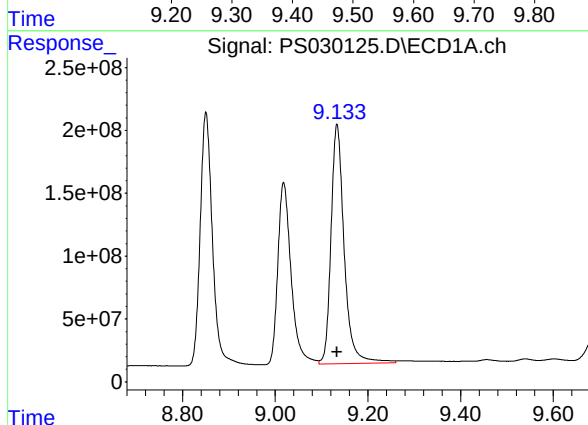
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



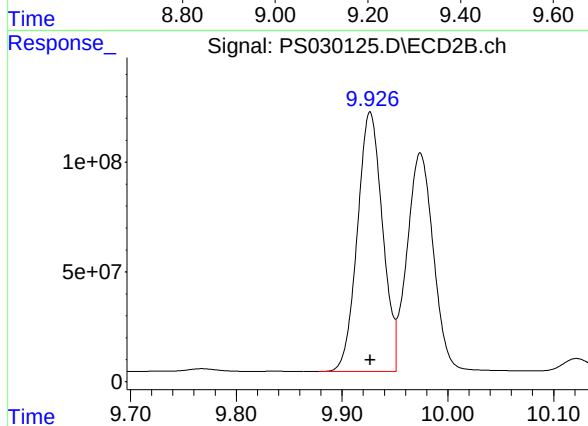
#11 2,4,5-TP (SILVEX)

R.T.: 9.522 min
Delta R.T.: 0.000 min
Response: 2073552958
Conc: 204.10 ng/ml



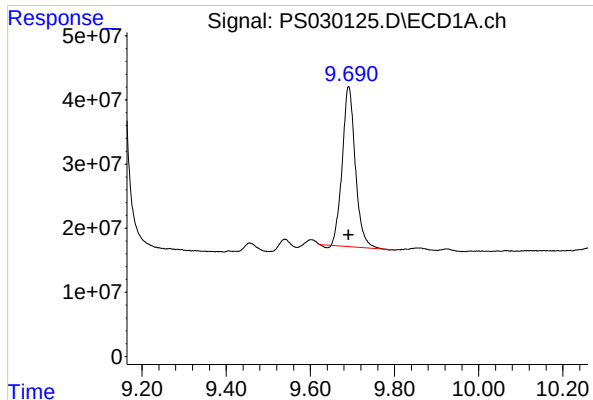
#12 2,4,5-T

R.T.: 9.133 min
Delta R.T.: 0.000 min
Response: 3763208554
Conc: 215.34 ng/ml



#12 2,4,5-T

R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 1952195248
Conc: 205.14 ng/ml



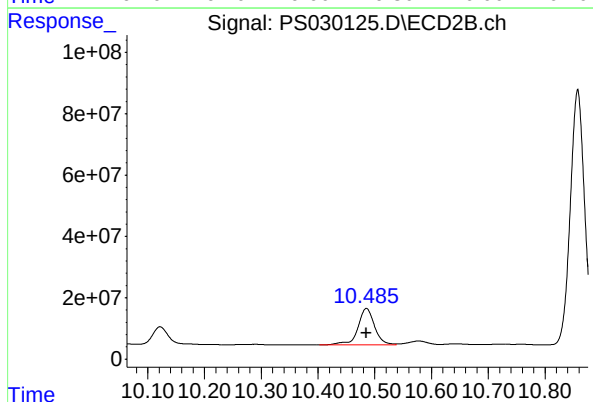
#13 2,4-DB

R.T.: 9.691 min
Delta R.T.: 0.000 min
Response: 536297421
Conc: 202.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

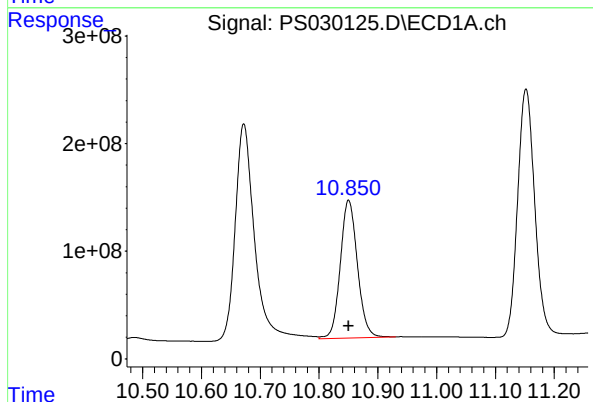
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



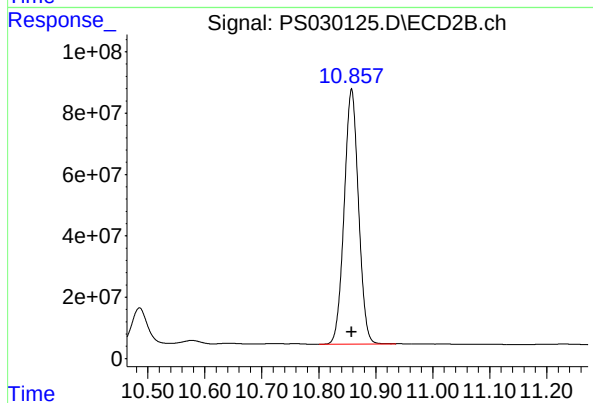
#13 2,4-DB

R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 241096730
Conc: 228.18 ng/ml



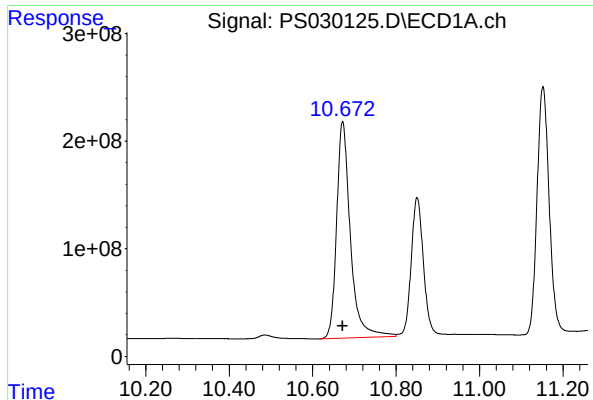
#14 DINOSEB

R.T.: 10.850 min
Delta R.T.: 0.000 min
Response: 2592253228
Conc: 214.38 ng/ml



#14 DINOSEB

R.T.: 10.858 min
Delta R.T.: 0.000 min
Response: 1452088878
Conc: 205.13 ng/ml



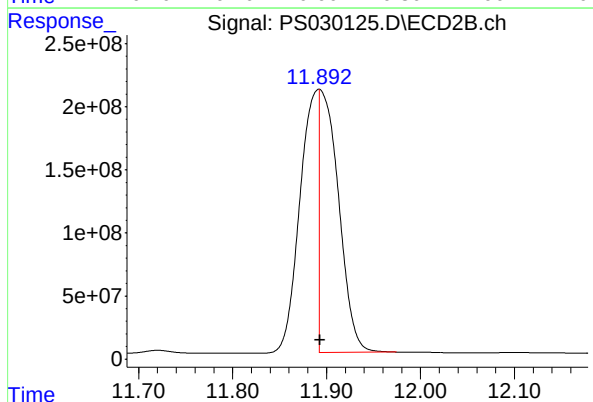
#15 Picloram

R.T.: 10.672 min
Delta R.T.: 0.000 min
Response: 4602798865
Conc: 207.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

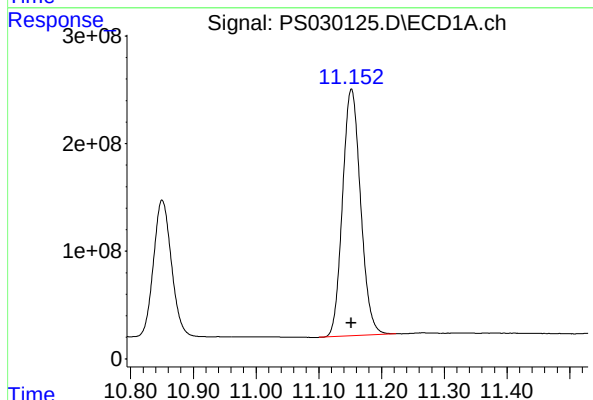
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



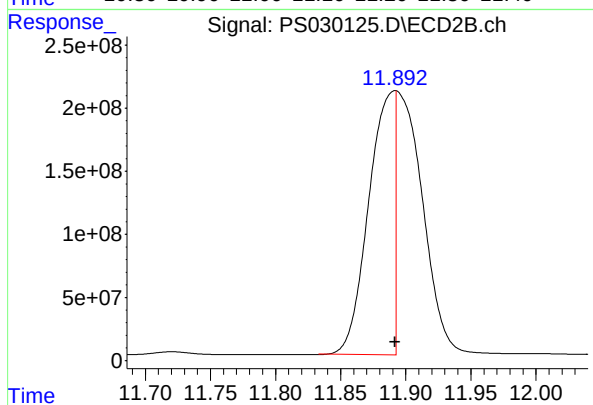
#15 Picloram

R.T.: 11.892 min
Delta R.T.: 0.000 min
Response: 2954975355
Conc: 206.56 ng/ml m



#16 DCPA

R.T.: 11.152 min
Delta R.T.: 0.000 min
Response: 4589689345
Conc: 217.43 ng/ml



#16 DCPA

R.T.: 11.892 min
Delta R.T.: 0.000 min
Response: 2821746028
Conc: 194.52 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030126.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 12:54
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:47:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.454	1434.4E6	399.7E6	514.926	508.243
Target Compounds							
1) T	Dalapon	2.447	2.520	2243.7E6	920.5E6	471.266	466.069
2) T	3,5-DICHL...	6.138	6.453	1954.7E6	604.8E6	478.289	503.770
3) T	4-Nitroph...	6.724	6.988	957.1E6	626.7E6	470.076	541.042
5) T	DICAMBA	7.109	7.639	5452.8E6	2196.7E6	479.532	471.133
6) T	MCPD	7.287	7.746	351.0E6	83878837	46.529	45.584
7) T	MCPA	7.429	7.975	474.0E6	124.4E6	46.459	46.843
8) T	DICHLORPROP	7.789	8.332	1377.7E6	553.4E6	483.005	477.421
9) T	2,4-D	8.009	8.645	1547.2E6	606.5E6	483.126	477.844
10) T	Pentachlo...	8.286	9.145	19907.6E6	11940.1E6	487.580	482.342
11) T	2,4,5-TP ...	8.851	9.523	7744.1E6	4687.3E6	485.171	479.149
12) T	2,4,5-T	9.132	9.927	7931.4E6	4385.5E6	486.289	479.945
13) T	2,4-DB	9.690	10.485	1219.4E6	452.4E6	475.256	475.987
14) T	DINOSEB	10.851	10.859	5403.8E6	3216.0E6	480.627	475.978
15) T	Picloram	10.672	11.894	10147.5E6	6755.0E6	480.746	488.999m
16) T	DCPA	11.152	11.893	9696.2E6	6912.8E6	491.912	476.219m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:54
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations

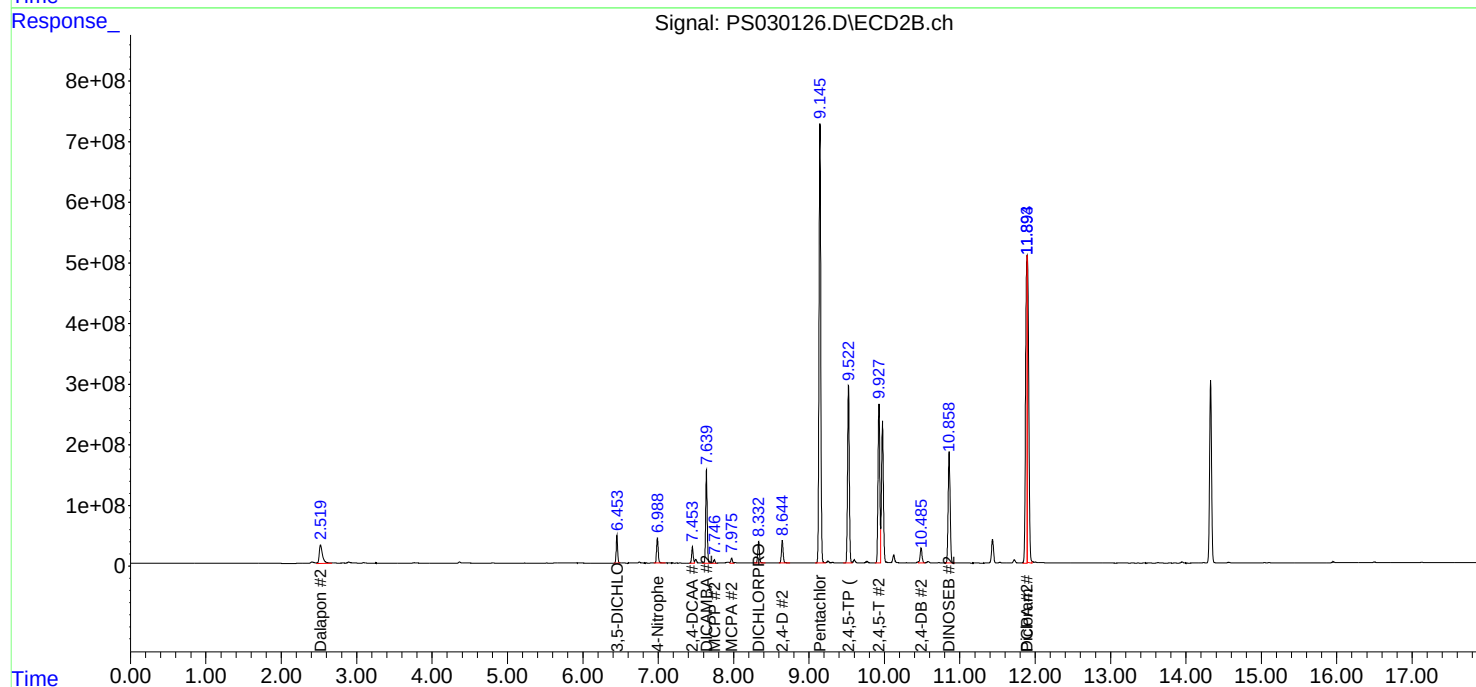
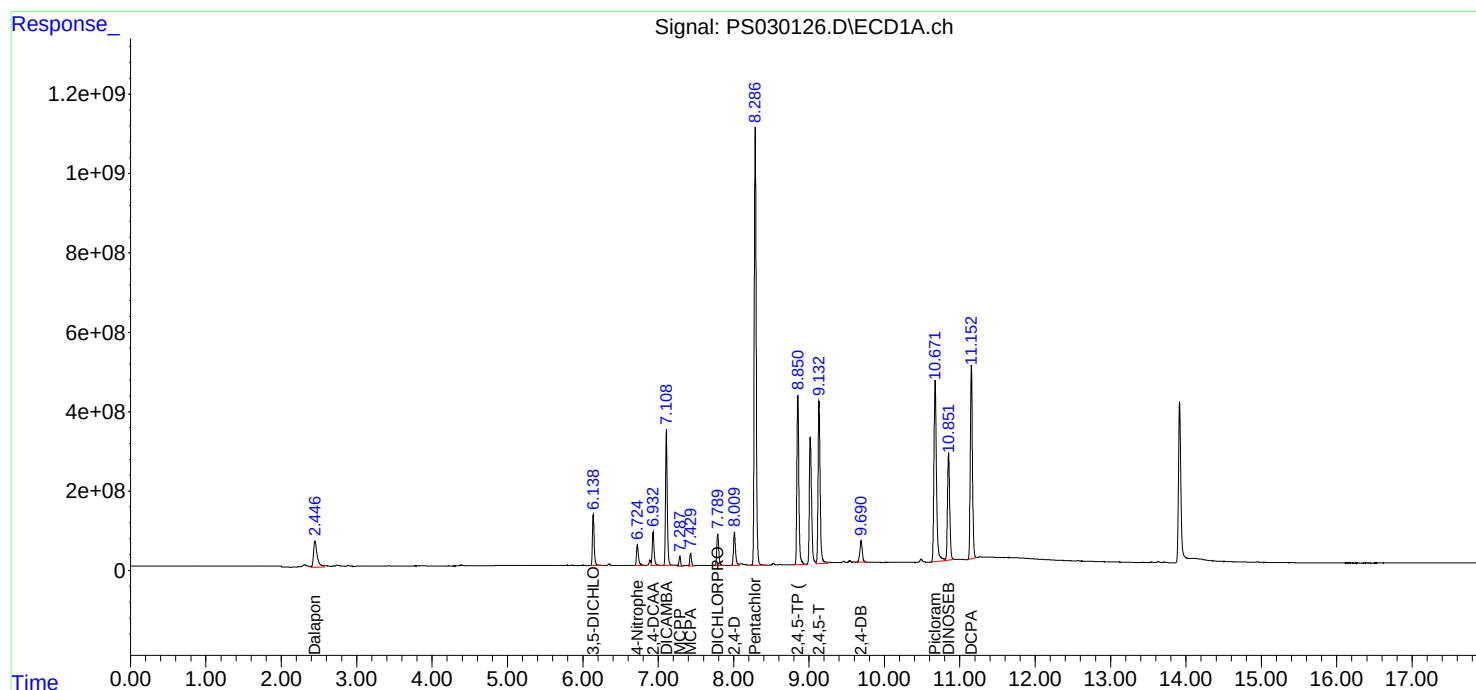
APPROVED

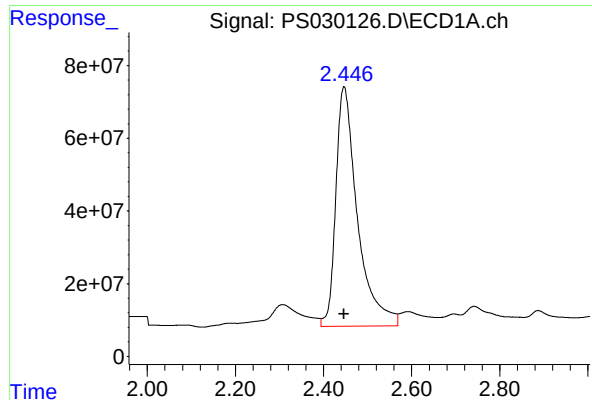
Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:47:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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.: 2.447 min
Delta R.T.: 0.000 min
Response: 2243654345
Conc: 471.27 ng/ml

Instrument :

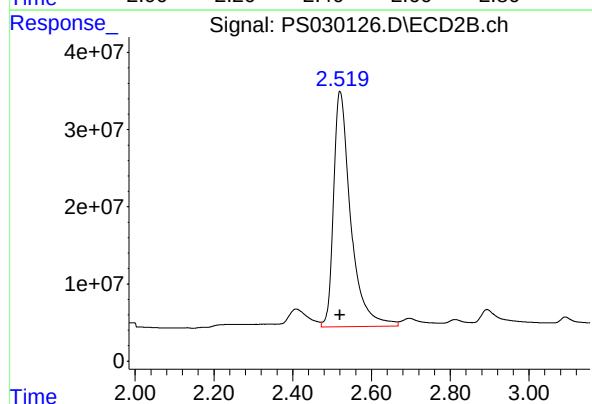
ECD_S

ClientSampleId :

HSTDICC500

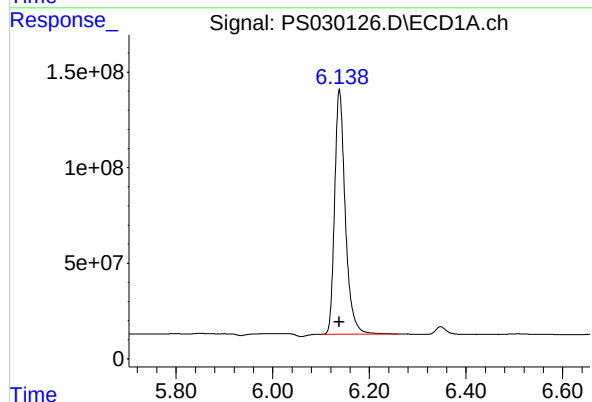
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



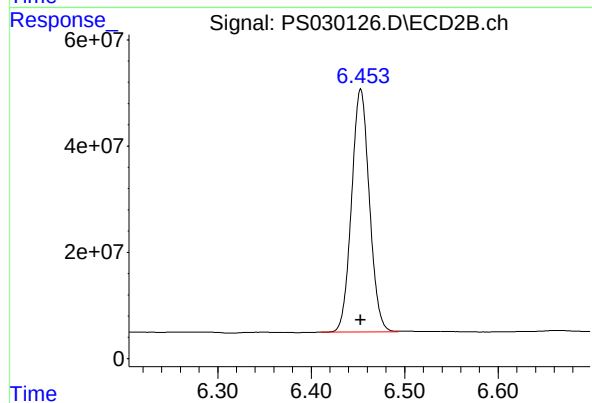
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 920491091
Conc: 466.07 ng/ml



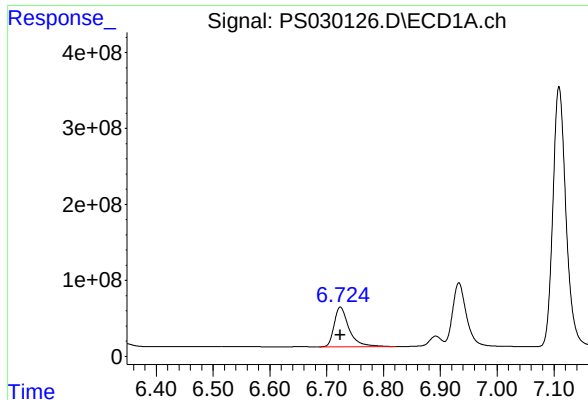
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 1954727643
Conc: 478.29 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 604844271
Conc: 503.77 ng/ml



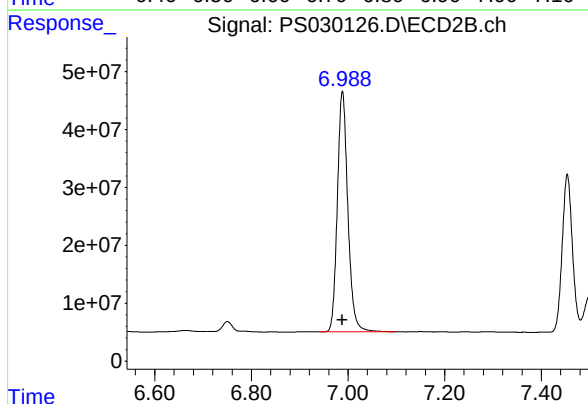
#3 4-Nitrophenol

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 957088316
Conc: 470.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

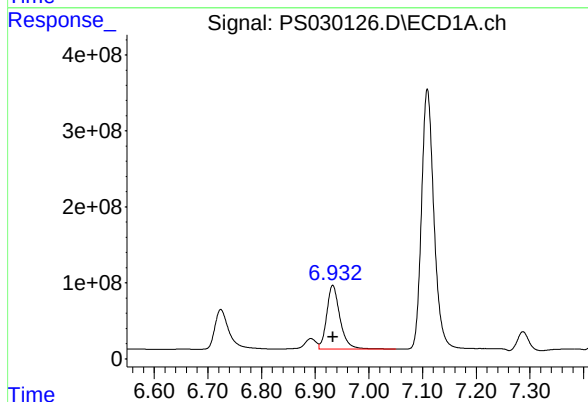
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



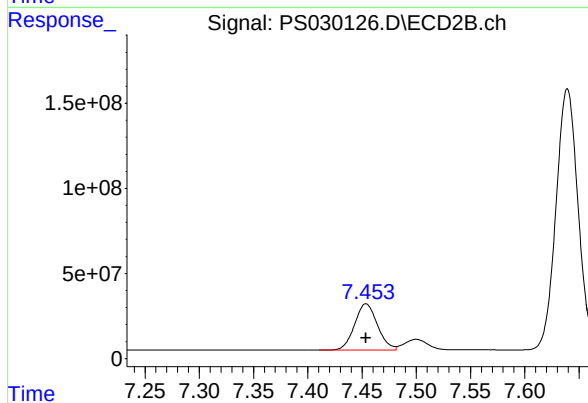
#3 4-Nitrophenol

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 626719930
Conc: 541.04 ng/ml



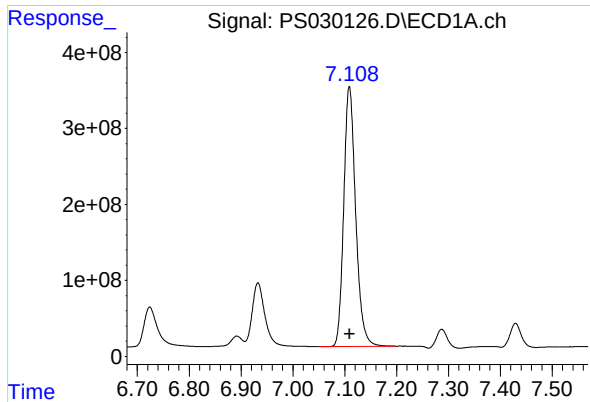
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 1434417471
Conc: 514.93 ng/ml



#4 2,4-DCAA

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 399710090
Conc: 508.24 ng/ml



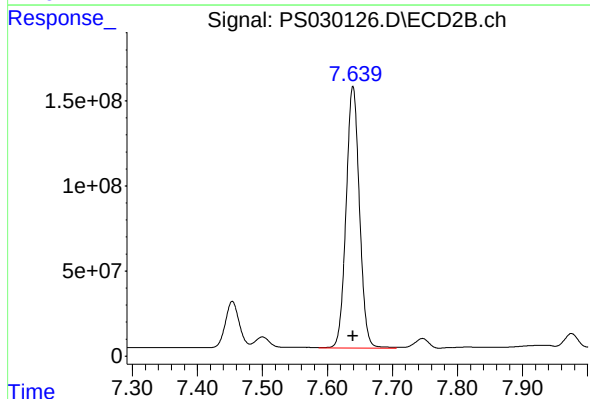
#5 DICAMBA

R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 5452849933
Conc: 479.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

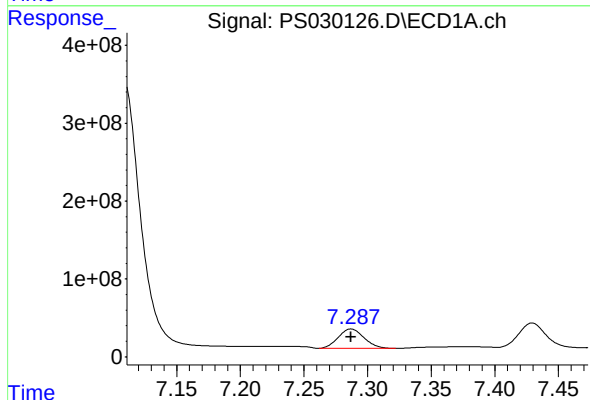
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



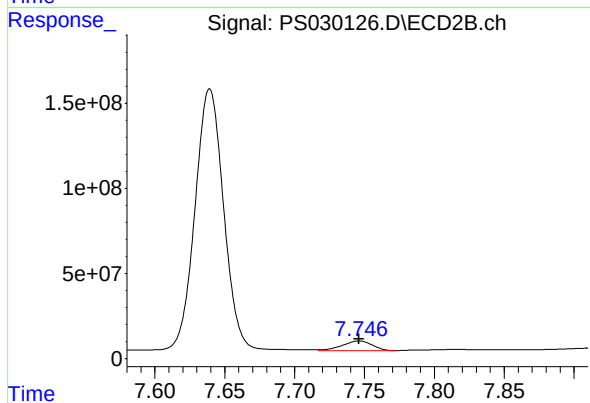
#5 DICAMBA

R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 2196691855
Conc: 471.13 ng/ml



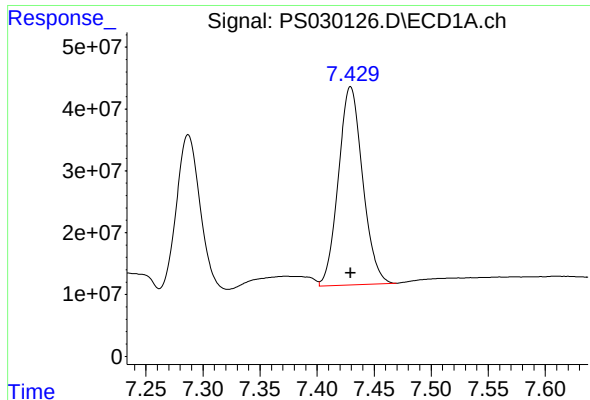
#6 MCPP

R.T.: 7.287 min
Delta R.T.: 0.000 min
Response: 351026983
Conc: 46.53 ug/ml



#6 MCPP

R.T.: 7.746 min
Delta R.T.: 0.000 min
Response: 83878837
Conc: 45.58 ug/ml



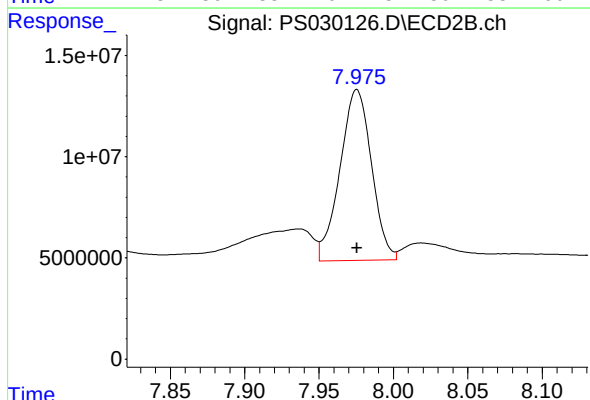
#7 MCPA

R.T.: 7.429 min
Delta R.T.: 0.000 min
Response: 473956928
Conc: 46.46 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

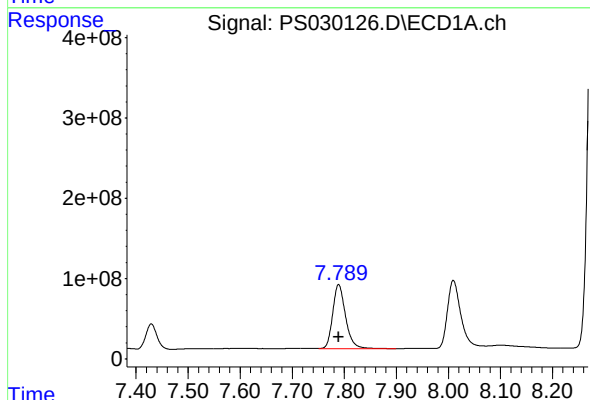
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



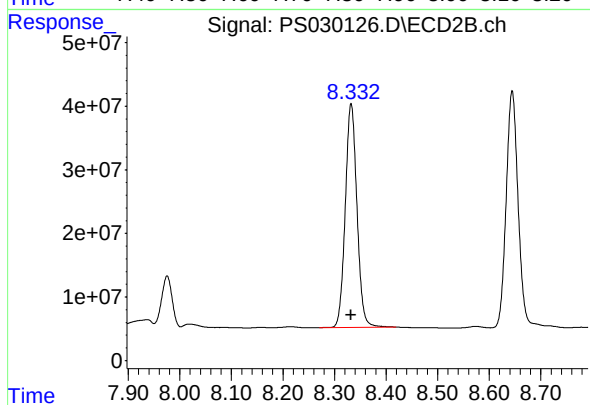
#7 MCPA

R.T.: 7.975 min
Delta R.T.: 0.000 min
Response: 124417835
Conc: 46.84 ug/ml



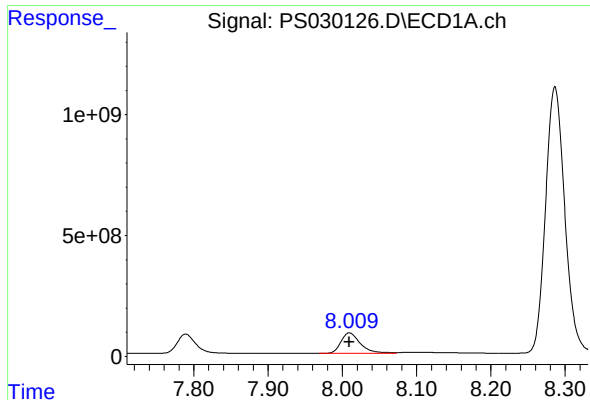
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 1377720801
Conc: 483.00 ng/ml



#8 DICHLORPROP

R.T.: 8.332 min
Delta R.T.: 0.000 min
Response: 553438319
Conc: 477.42 ng/ml



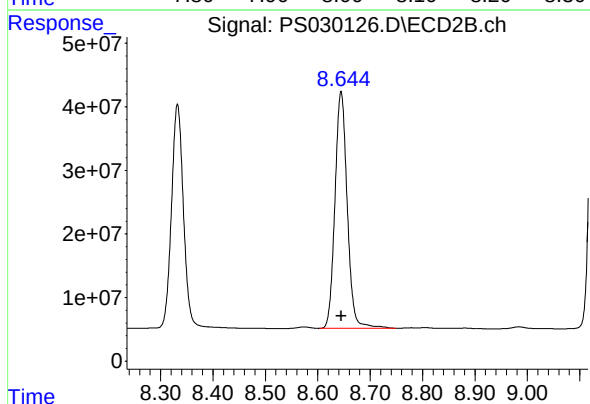
#9 2,4-D

R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 1547196779
Conc: 483.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

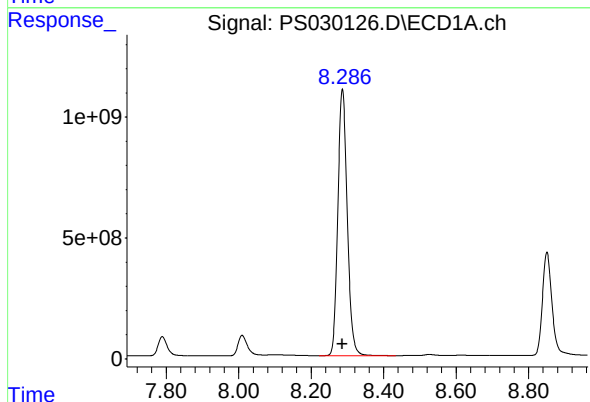
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



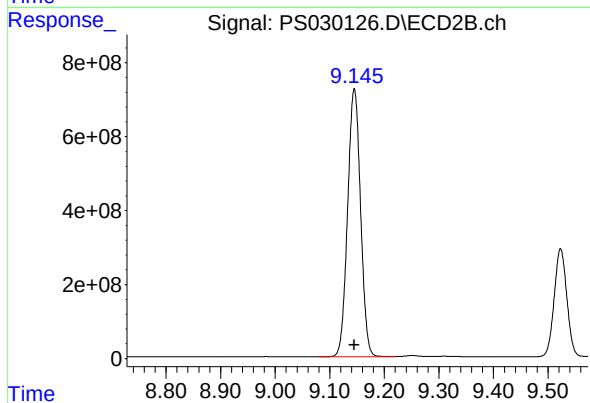
#9 2,4-D

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 606502423
Conc: 477.84 ng/ml



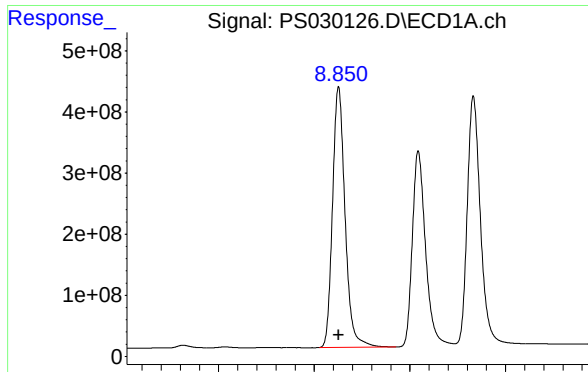
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: 0.000 min
Response: 19907646537
Conc: 487.58 ng/ml



#10 Pentachlorophenol

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 11940068143
Conc: 482.34 ng/ml



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

R.T.: 8.851 min
Delta R.T.: 0.000 min
Response: 7744107963
Conc: 485.17 ng/ml

Instrument :

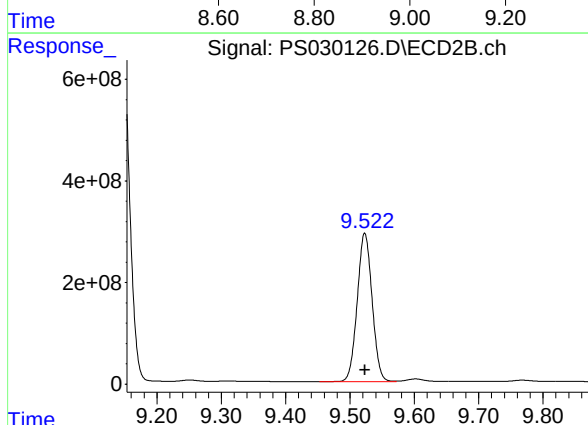
ECD_S

ClientSampleId :

HSTDICC500

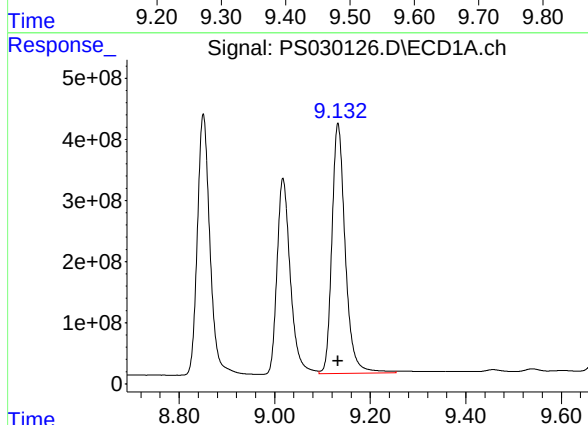
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



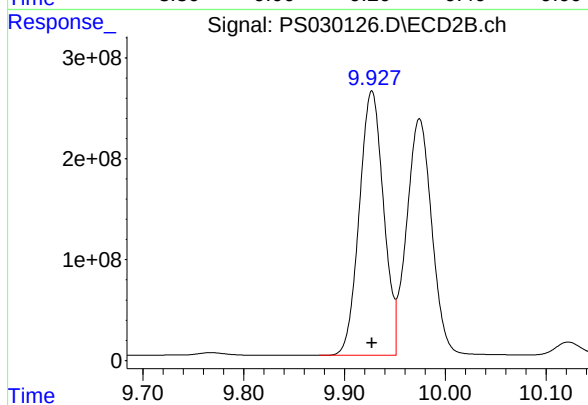
#11 2,4,5-TP (SILVEX)

R.T.: 9.523 min
Delta R.T.: 0.000 min
Response: 4687301936
Conc: 479.15 ng/ml



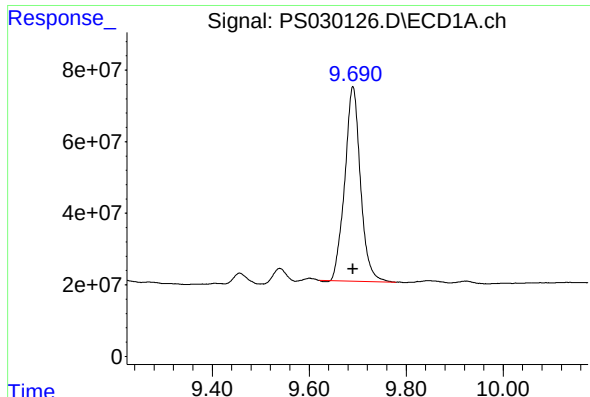
#12 2,4,5-T

R.T.: 9.132 min
Delta R.T.: 0.000 min
Response: 7931375167
Conc: 486.29 ng/ml



#12 2,4,5-T

R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 4385469879
Conc: 479.95 ng/ml



#13 2,4-DB

R.T.: 9.690 min
Delta R.T.: 0.000 min
Response: 1219376567
Conc: 475.26 ng/ml

Instrument :

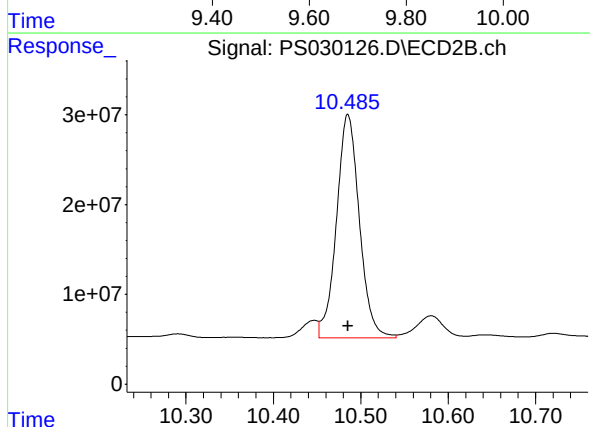
ECD_S

ClientSampleId :

HSTDICC500

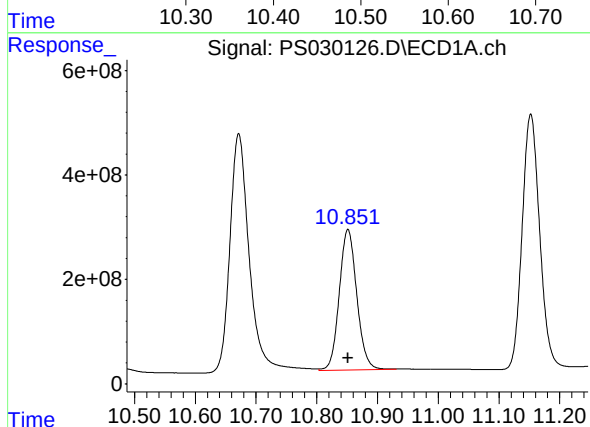
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



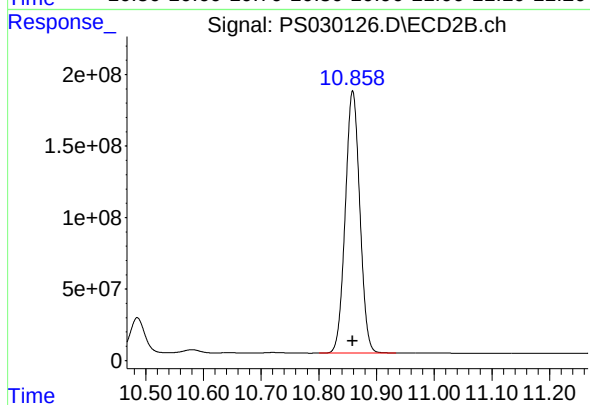
#13 2,4-DB

R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 452406964
Conc: 475.99 ng/ml



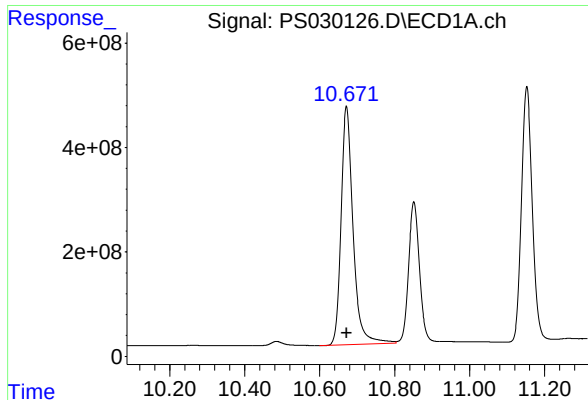
#14 DINOSEB

R.T.: 10.851 min
Delta R.T.: 0.000 min
Response: 5403784475
Conc: 480.63 ng/ml



#14 DINOSEB

R.T.: 10.859 min
Delta R.T.: 0.000 min
Response: 3215989177
Conc: 475.98 ng/ml



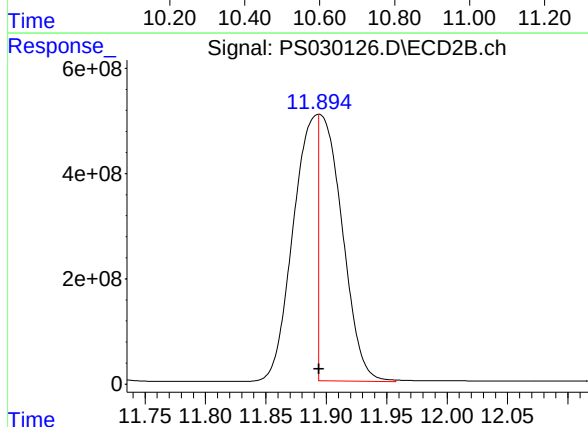
#15 Picloram

R.T.: 10.672 min
Delta R.T.: 0.000 min
Response: 10147479546
Conc: 480.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

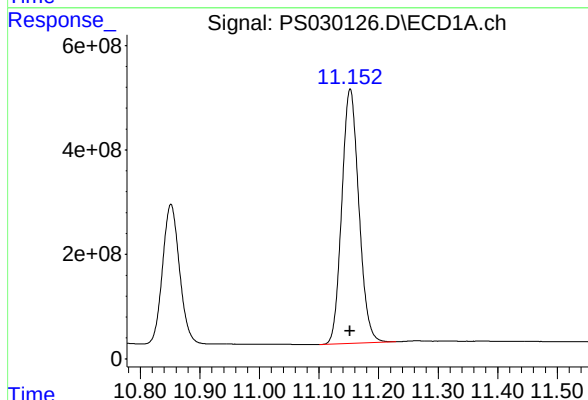
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



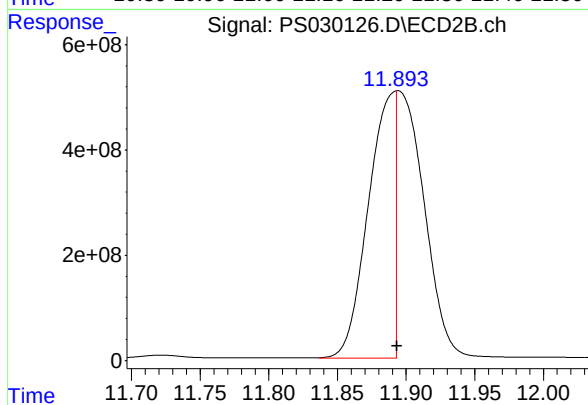
#15 Picloram

R.T.: 11.894 min
Delta R.T.: 0.000 min
Response: 6755049813
Conc: 489.00 ng/ml m



#16 DCPA

R.T.: 11.152 min
Delta R.T.: 0.000 min
Response: 9696227543
Conc: 491.91 ng/ml



#16 DCPA

R.T.: 11.893 min
Delta R.T.: 0.000 min
Response: 6912836774
Conc: 476.22 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030127.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 13:18
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:43:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.934	7.454	2026.9E6	580.1E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.446	2.520	3133.2E6	1315.1E6	682.500	682.500
2) T	3,5-DICHL...	6.138	6.453	2769.2E6	767.6E6	697.500	697.500
3) T	4-Nitroph...	6.724	6.988	1343.5E6	641.1E6	682.500	682.500
5) T	DICAMBA	7.110	7.639	7854.1E6	3279.2E6	705.000	705.000
6) T	MCPD	7.289	7.747	537.2E6	133.6E6	70.500	70.500
7) T	MCPA	7.431	7.977	712.2E6	183.9E6	69.750	69.750
8) T	DICHLORPROP	7.789	8.332	1955.3E6	804.4E6	705.000	705.000
9) T	2,4-D	8.010	8.644	2194.7E6	879.9E6	705.000	705.000
10) T	Pentachlo...	8.287	9.145	28320.5E6	17364.8E6	712.500	712.500
11) T	2,4,5-TP ...	8.850	9.523	11129.1E6	6909.2E6	712.500	712.500
12) T	2,4,5-T	9.133	9.926	11344.7E6	6442.6E6	712.500	712.500
13) T	2,4-DB	9.689	10.485	1827.1E6	675.8E6	712.500	712.500
14) T	DINOSEB	10.851	10.858	7747.2E6	4702.8E6	705.000	705.000
15) T	Picloram	10.670	11.894	14857.3E6	9721.1E6	712.500	727.171m
16) T	DCPA	11.153	11.893	13839.9E6	10000.3E6	720.000	727.183m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:18
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations

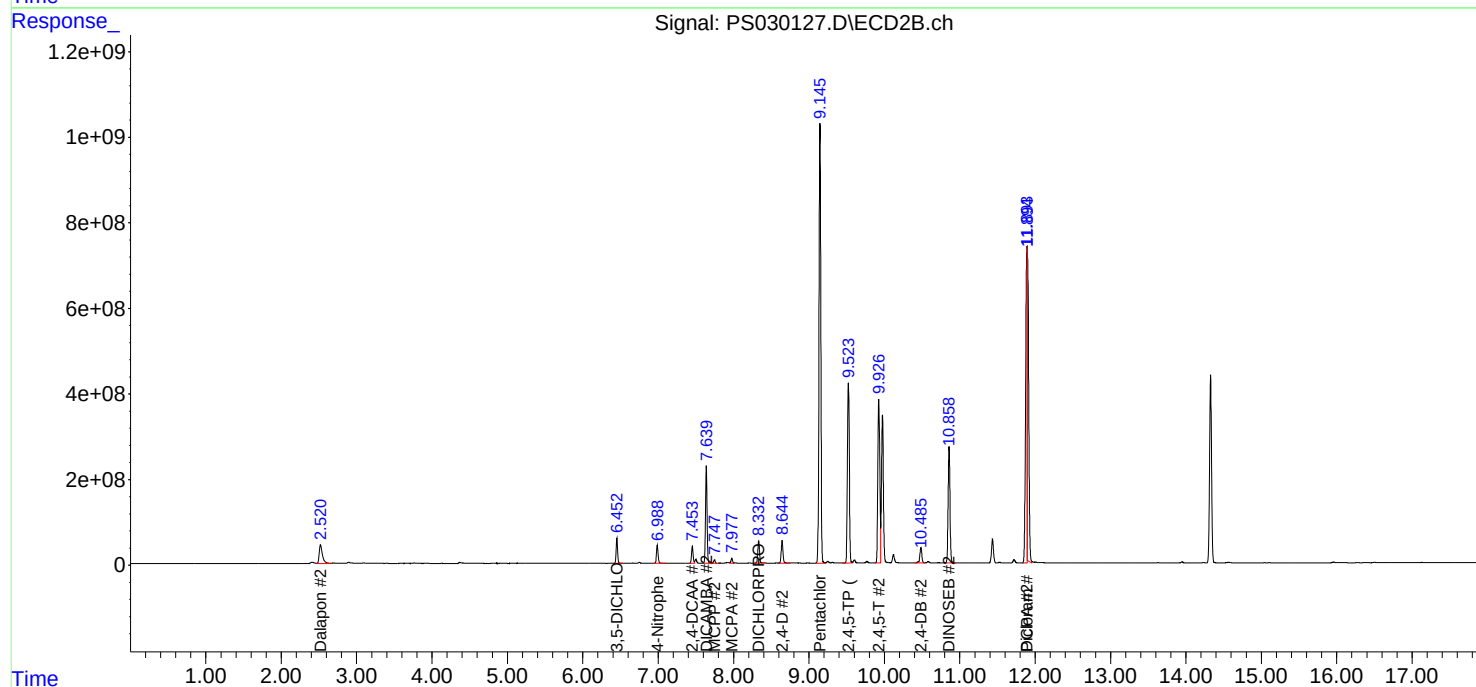
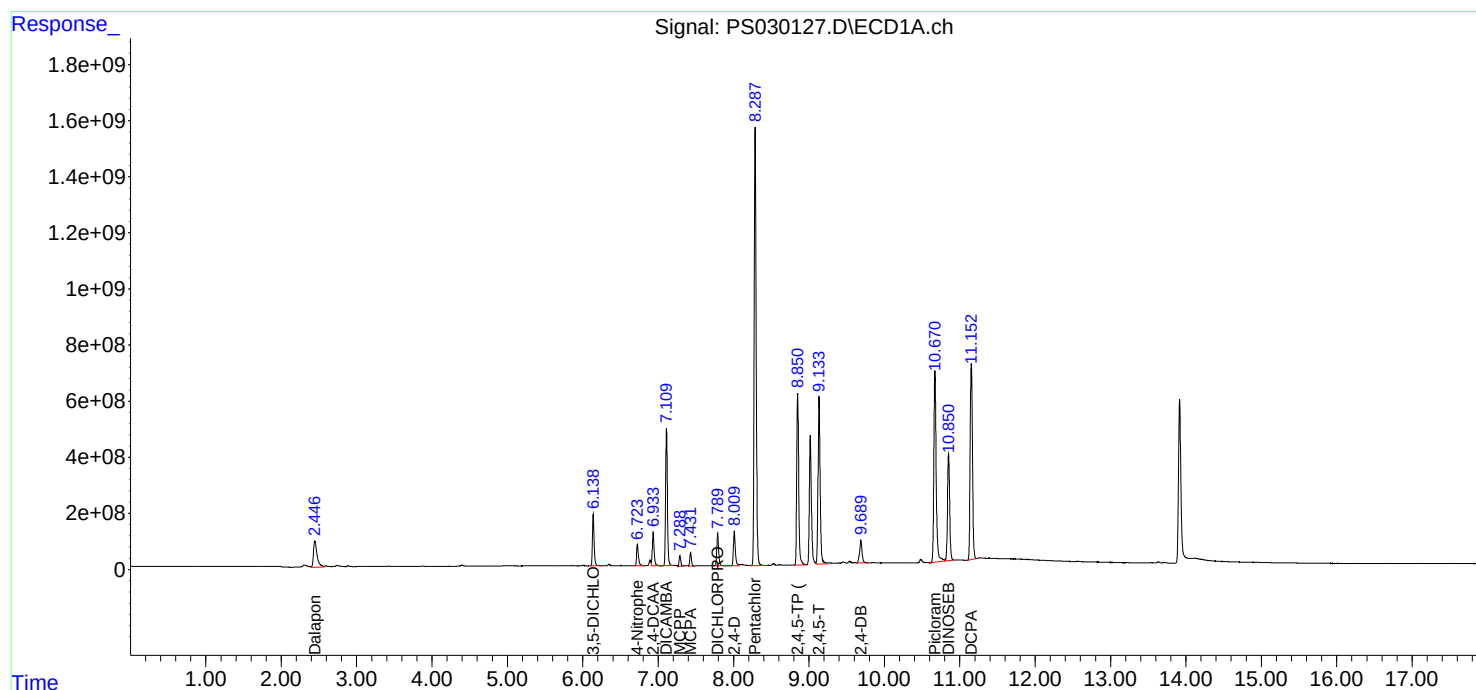
APPROVED

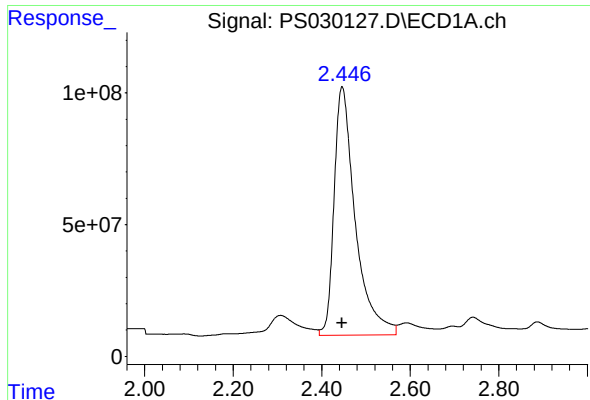
Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:43:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Dalapon

R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 3133158349
Conc: 682.50 ng/ml

Instrument :

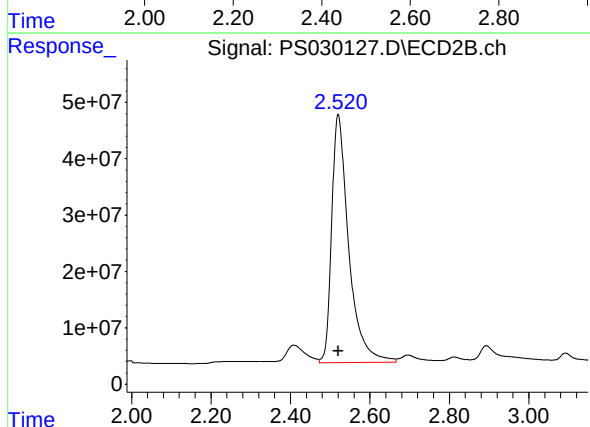
ECD_S

ClientSampleId :

HSTDICC750

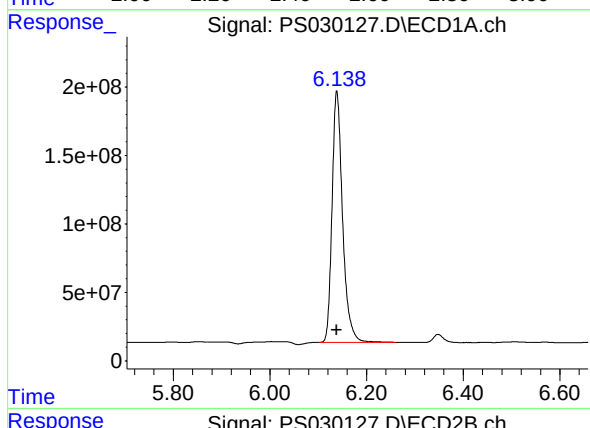
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



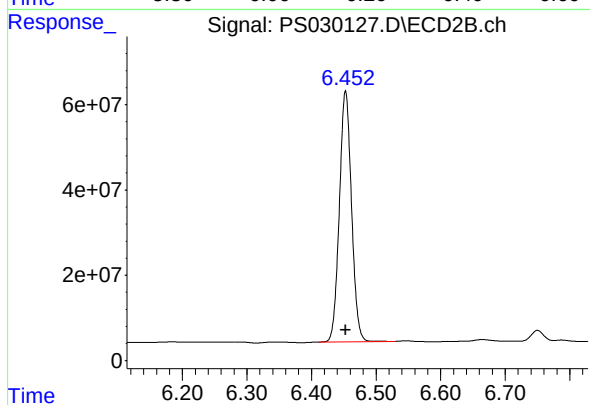
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 1315149862
Conc: 682.50 ng/ml



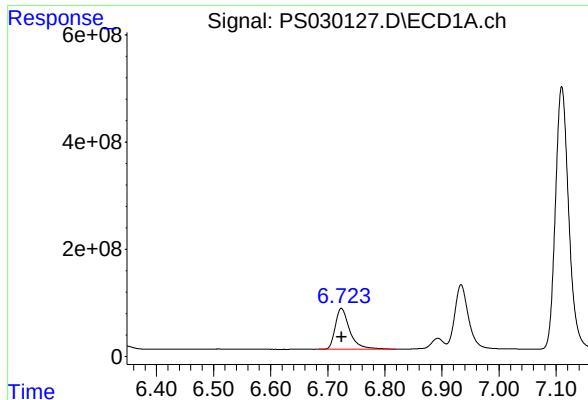
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 2769161837
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 767622050
Conc: 697.50 ng/ml



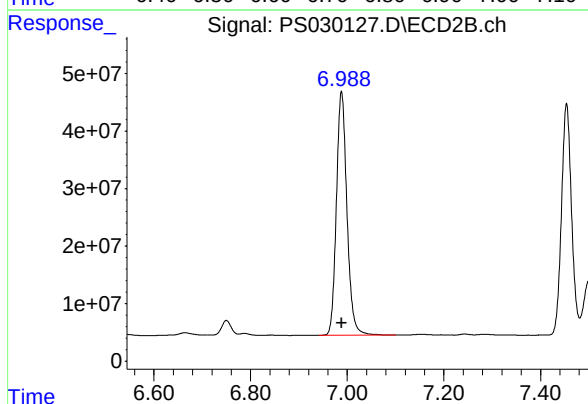
#3 4-Nitrophenol

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 1343548396
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

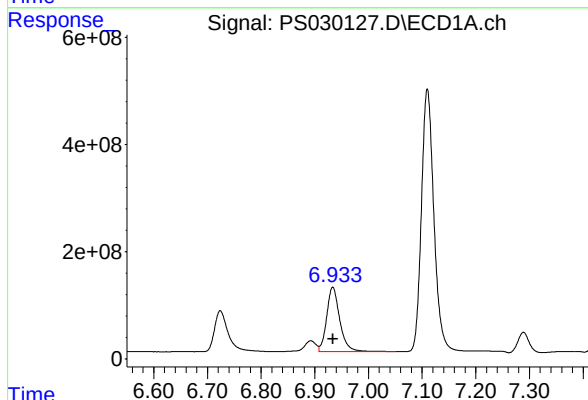
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



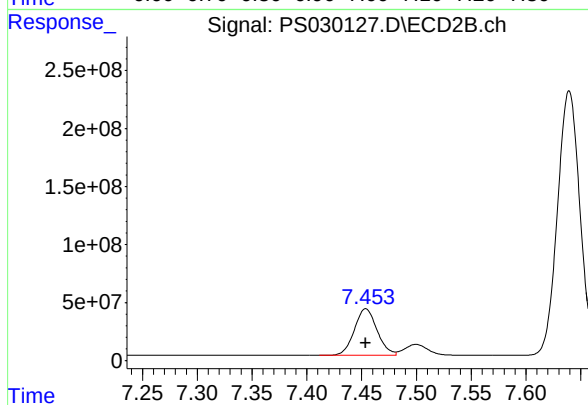
#3 4-Nitrophenol

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 641076357
Conc: 682.50 ng/ml



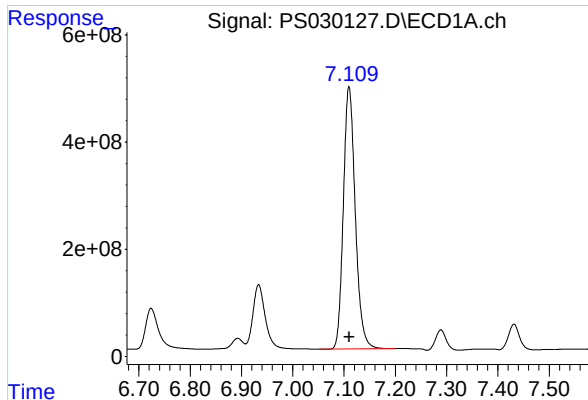
#4 2,4-DCAA

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 2026887217
Conc: 750.00 ng/ml



#4 2,4-DCAA

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 580117400
Conc: 750.00 ng/ml



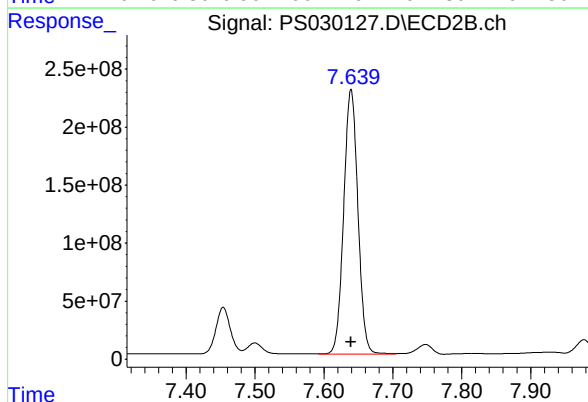
#5 DICAMBA

R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 7854114223
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

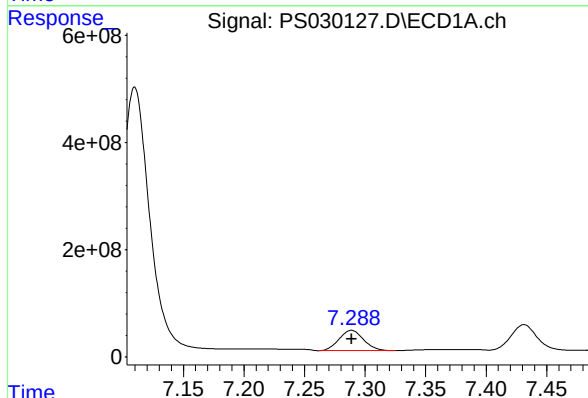
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



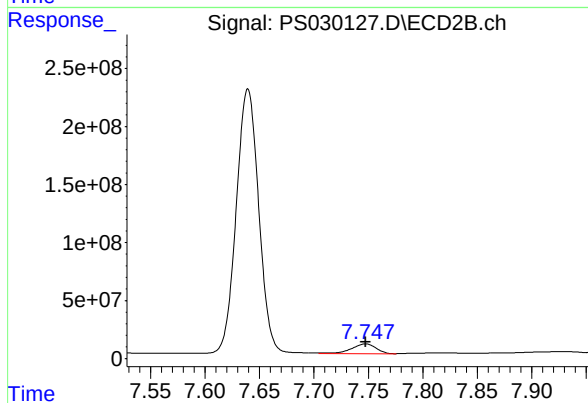
#5 DICAMBA

R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 3279195420
Conc: 705.00 ng/ml



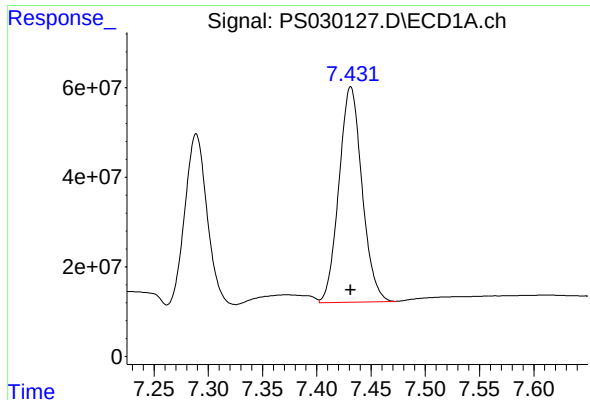
#6 MCPP

R.T.: 7.289 min
Delta R.T.: 0.000 min
Response: 537195040
Conc: 70.50 ug/ml



#6 MCPP

R.T.: 7.747 min
Delta R.T.: 0.000 min
Response: 133635367
Conc: 70.50 ug/ml



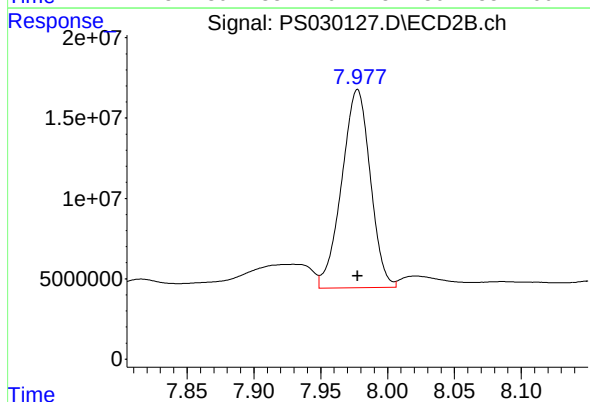
#7 MCPA

R.T.: 7.431 min
Delta R.T.: 0.000 min
Response: 712187358
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

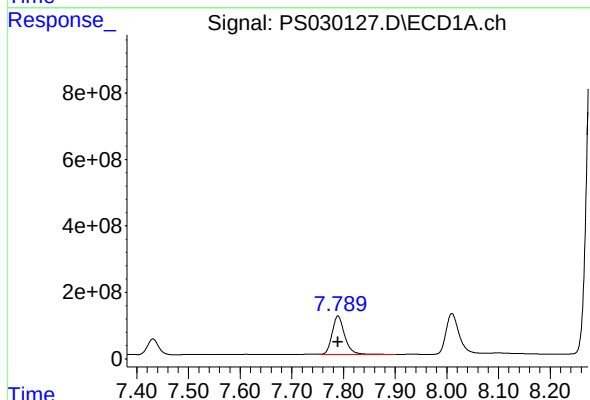
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



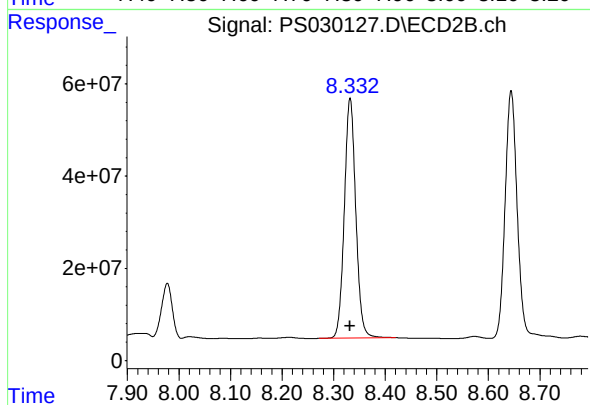
#7 MCPA

R.T.: 7.977 min
Delta R.T.: 0.000 min
Response: 183893475
Conc: 69.75 ug/ml



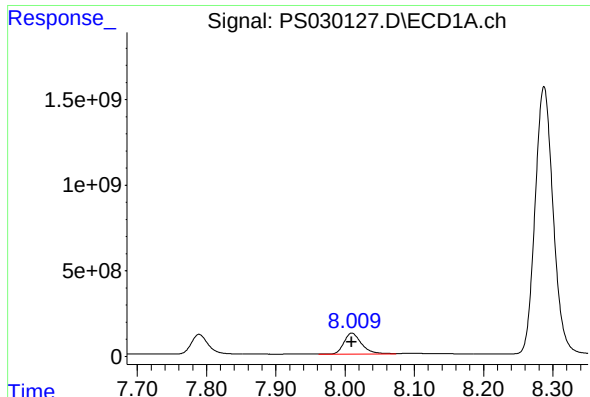
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 1955297251
Conc: 705.00 ng/ml



#8 DICHLORPROP

R.T.: 8.332 min
Delta R.T.: 0.000 min
Response: 804351271
Conc: 705.00 ng/ml



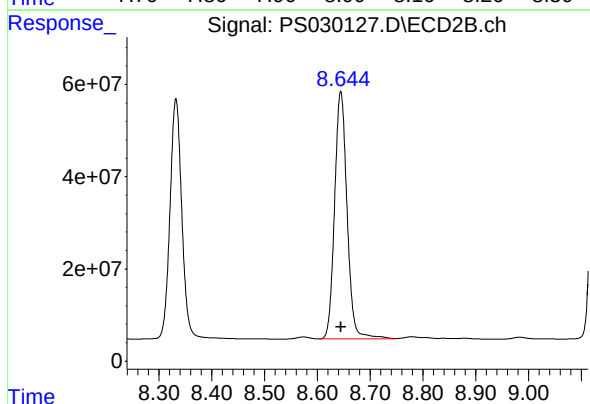
#9 2,4-D

R.T.: 8.010 min
Delta R.T.: 0.000 min
Response: 2194684914
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

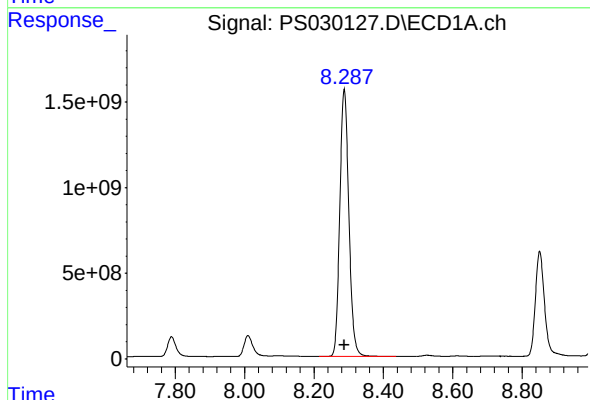
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



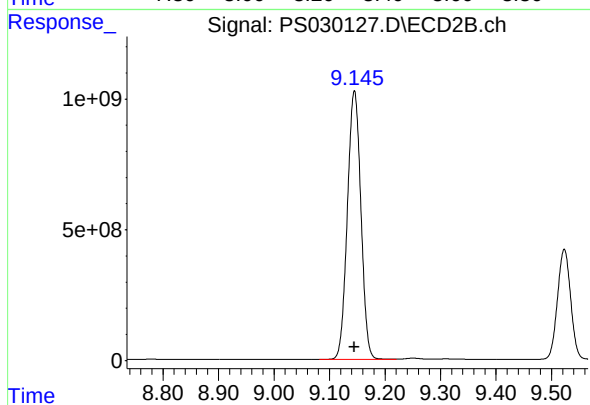
#9 2,4-D

R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 879885440
Conc: 705.00 ng/ml



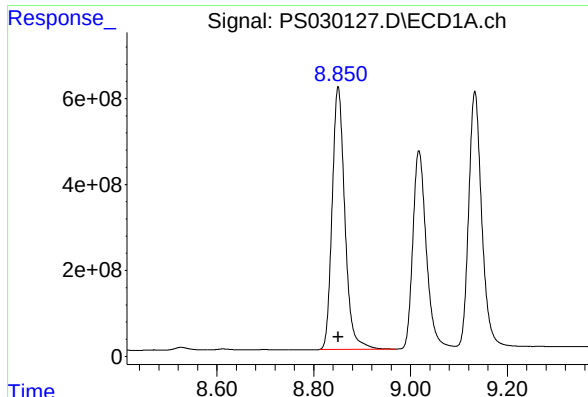
#10 Pentachlorophenol

R.T.: 8.287 min
Delta R.T.: 0.000 min
Response: 28320537284
Conc: 712.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 17364839374
Conc: 712.50 ng/ml



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

R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 11129138127
Conc: 712.50 ng/ml

Instrument :

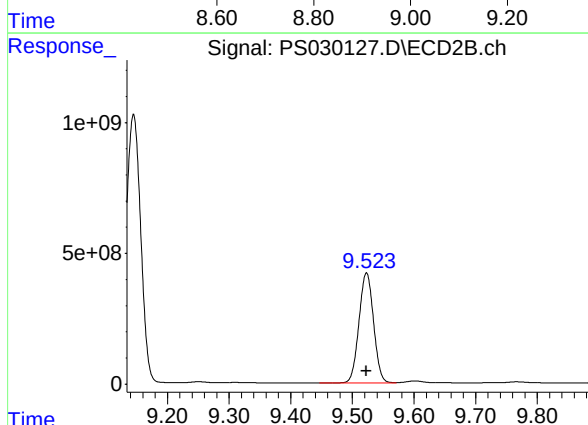
ECD_S

ClientSampleId :

HSTDICC750

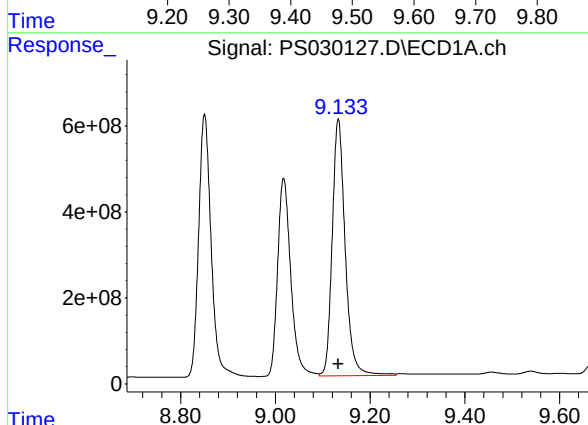
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



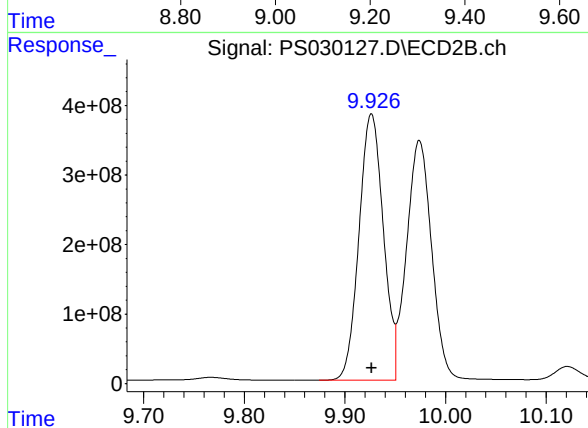
#11 2,4,5-TP (SILVEX)

R.T.: 9.523 min
Delta R.T.: 0.000 min
Response: 6909193932
Conc: 712.50 ng/ml



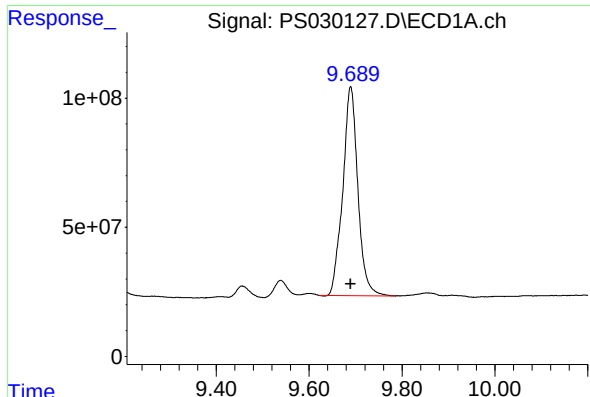
#12 2,4,5-T

R.T.: 9.133 min
Delta R.T.: 0.000 min
Response: 11344714278
Conc: 712.50 ng/ml



#12 2,4,5-T

R.T.: 9.926 min
Delta R.T.: 0.000 min
Response: 6442637993
Conc: 712.50 ng/ml



#13 2,4-DB

R.T.: 9.689 min
Delta R.T.: 0.000 min
Response: 1827095707
Conc: 712.50 ng/ml

Instrument :

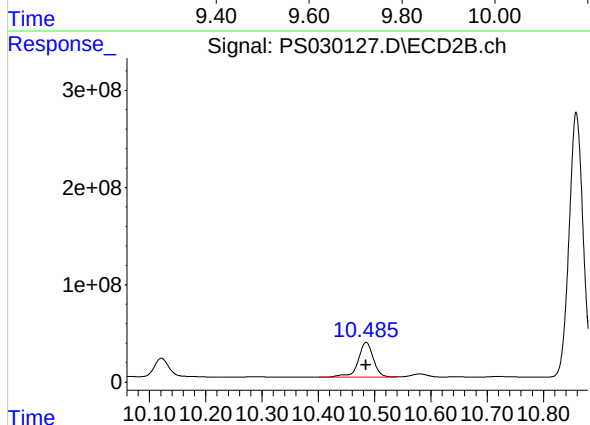
ECD_S

ClientSampleId :

HSTDICC750

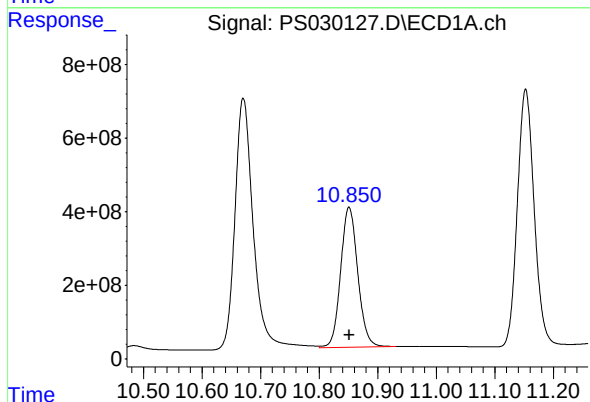
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



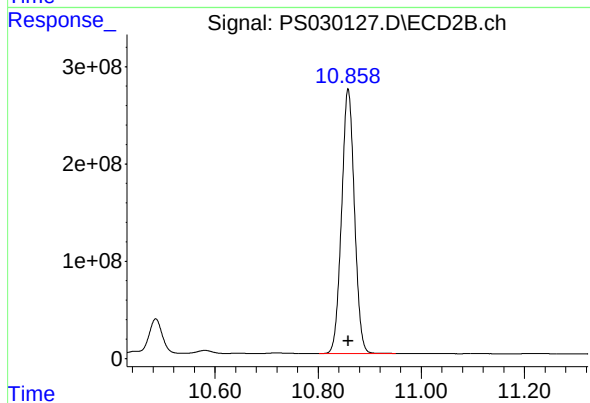
#13 2,4-DB

R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 675795698
Conc: 712.50 ng/ml



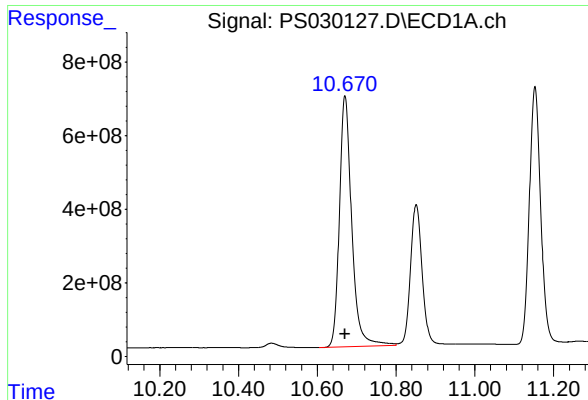
#14 DINOSEB

R.T.: 10.851 min
Delta R.T.: 0.000 min
Response: 7747230847
Conc: 705.00 ng/ml



#14 DINOSEB

R.T.: 10.858 min
Delta R.T.: 0.000 min
Response: 4702817976
Conc: 705.00 ng/ml



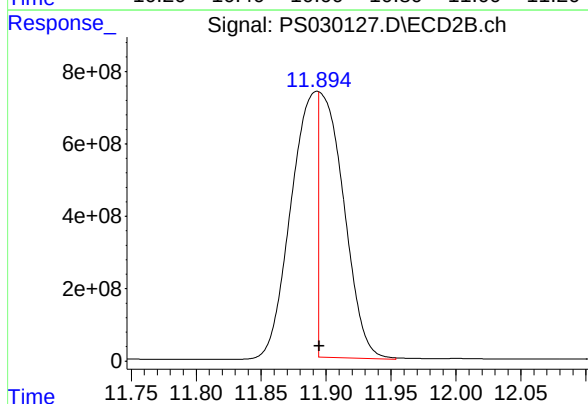
#15 Picloram

R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 14857335996
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

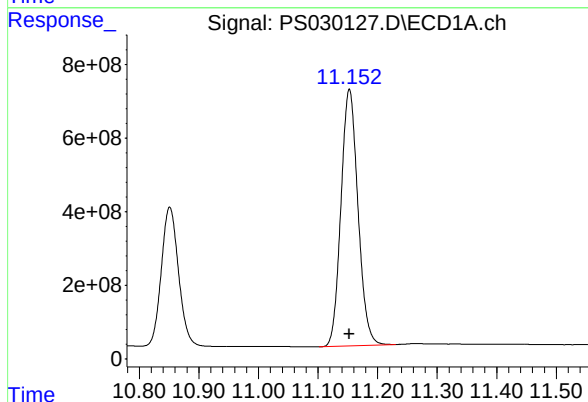
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



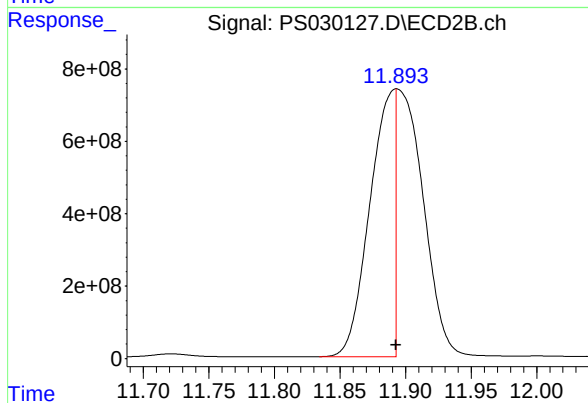
#15 Picloram

R.T.: 11.894 min
Delta R.T.: 0.000 min
Response: 9721067141
Conc: 727.17 ng/ml m



#16 DCPA

R.T.: 11.153 min
Delta R.T.: 0.000 min
Response: 13839943513
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 11.893 min
Delta R.T.: 0.000 min
Response: 10000255480
Conc: 727.18 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030128.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 13:42
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1000

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:58:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:58:36 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	6.933	7.454	2609.3E6	758.4E6	890.431	932.175
Target Compounds						
1) T Dalapon	2.446	2.520	4022.0E6	1730.9E6	791.534	834.294
2) T 3,5-DICHL...	6.139	6.453	3590.0E6	1001.6E6	838.061	840.224
3) T 4-Nitroph...	6.724	6.988	1760.4E6	837.7E6	835.965	776.796
5) T DICAMBA	7.109	7.640	10196.3E6	4357.6E6	863.169	917.597
6) T MCPP	7.290	7.749	729.6E6	177.4E6	101.601	97.188
7) T MCPA	7.433	7.979	953.9E6	245.9E6	92.106	92.679
8) T DICHLORPROP	7.789	8.332	2519.6E6	1045.5E6	839.025	867.706
9) T 2,4-D	8.009	8.645	2834.0E6	1152.4E6	841.649	878.805
10) T Pentachlo...	8.287	9.145	36236.2E6	22455.0E6	854.920	890.701
11) T 2,4,5-TP ...	8.850	9.523	14372.3E6	9041.8E6	866.151	904.264
12) T 2,4,5-T	9.132	9.927	14592.7E6	8411.9E6	861.090	899.563
13) T 2,4-DB	9.689	10.485	2415.4E6	837.2E6	920.436	826.632
14) T DINOSEB	10.851	10.859	10000.3E6	6148.3E6	852.655	885.355
15) T Picloram	10.670	11.894	19519.6E6	13097.0E6	897.581	914.915m
16) T DCPA	11.152	11.891	17786.8E6	11870.5E6	869.183	851.929m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:42
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1000

Manual Integrations

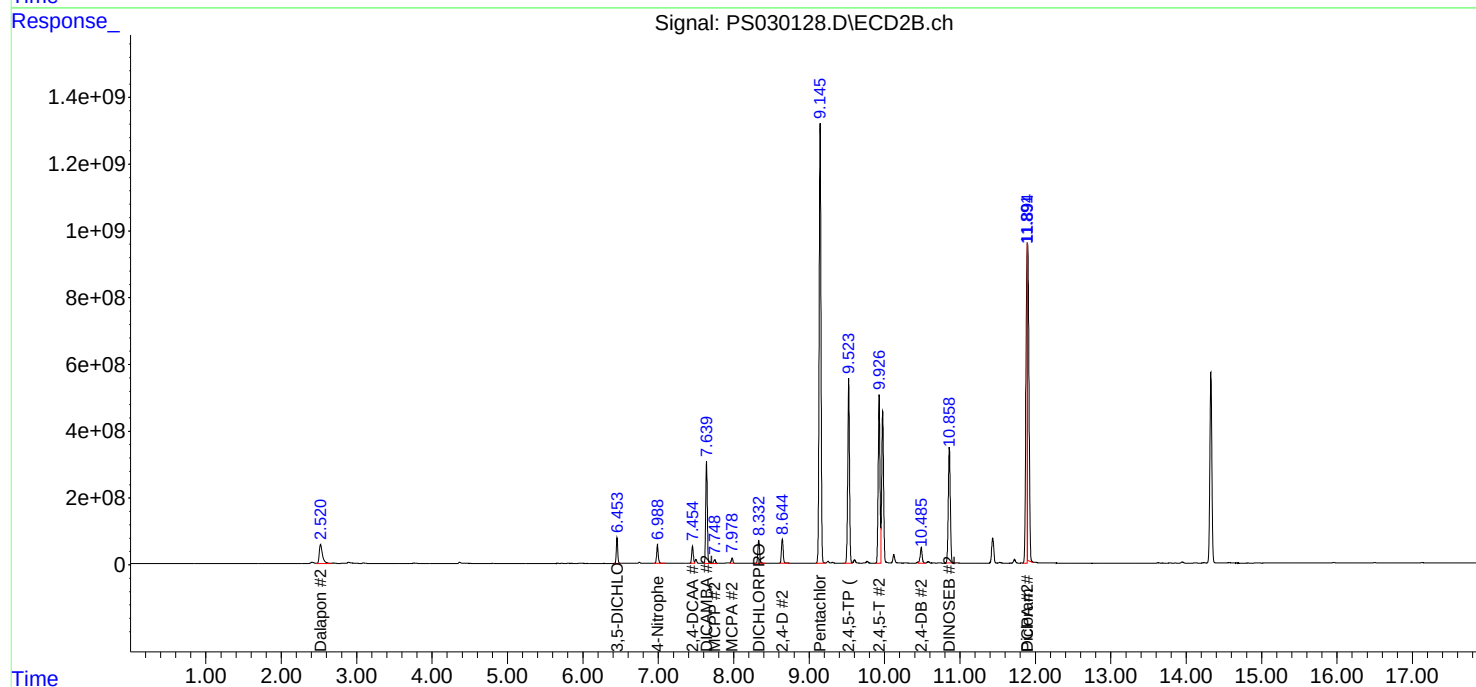
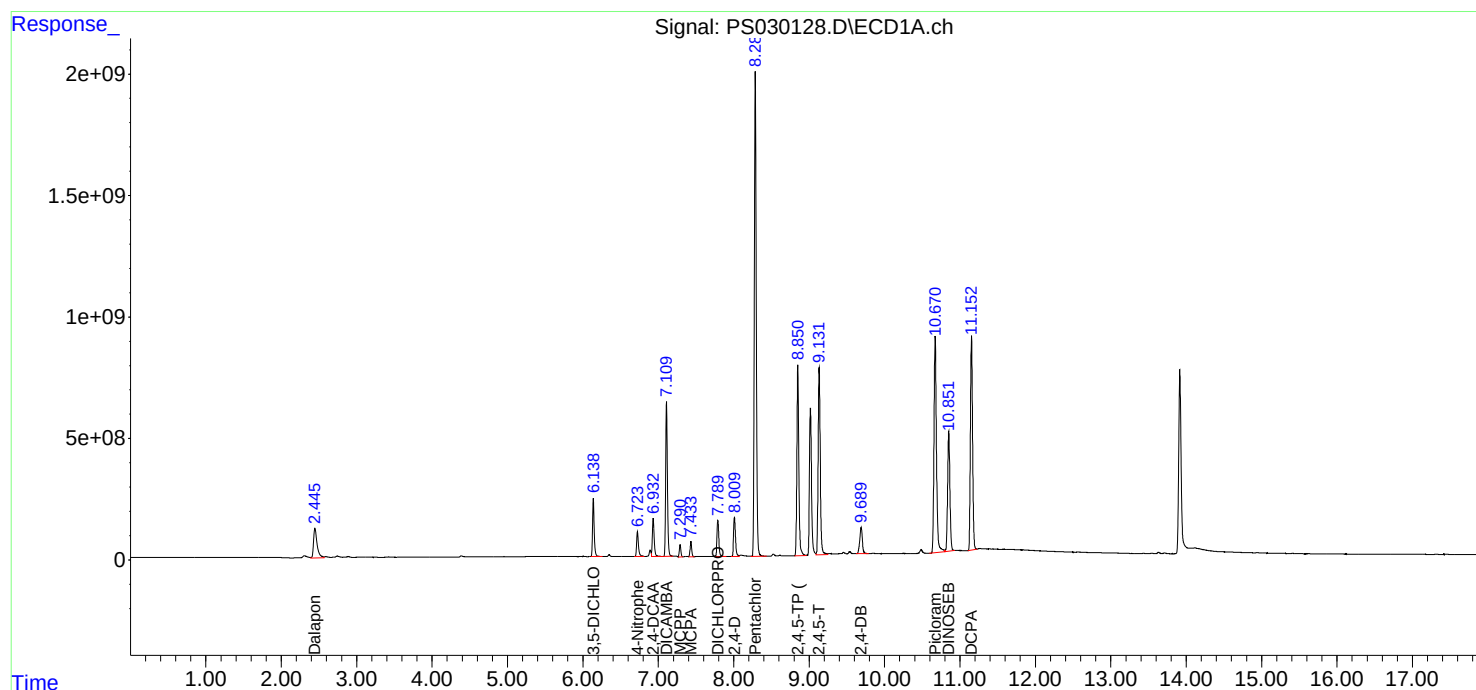
APPROVED

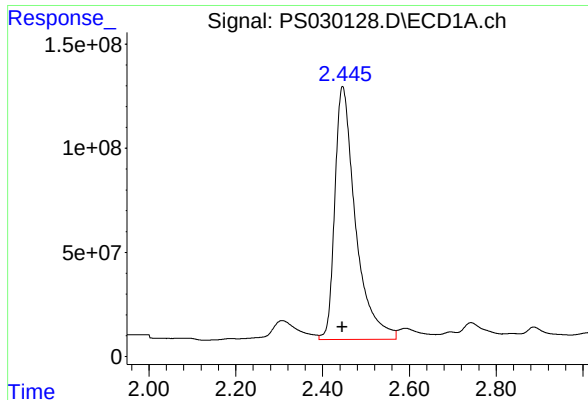
Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:58:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:58:36 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.: 2.446 min
Delta R.T.: 0.000 min
Response: 4021963284
Conc: 791.53 ng/ml

Instrument :

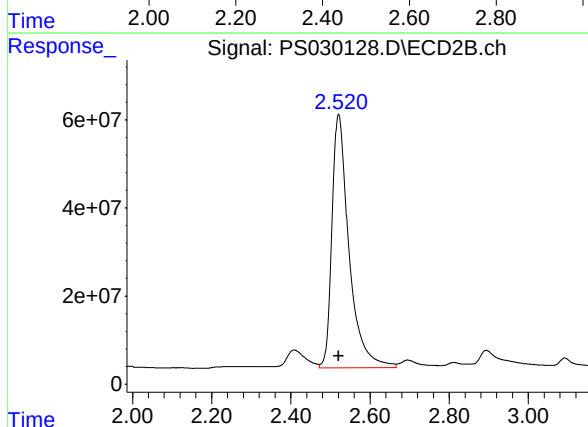
ECD_S

ClientSampleId :

HSTDICC1000

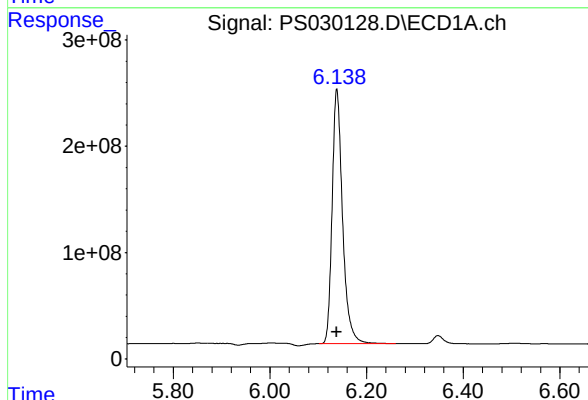
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



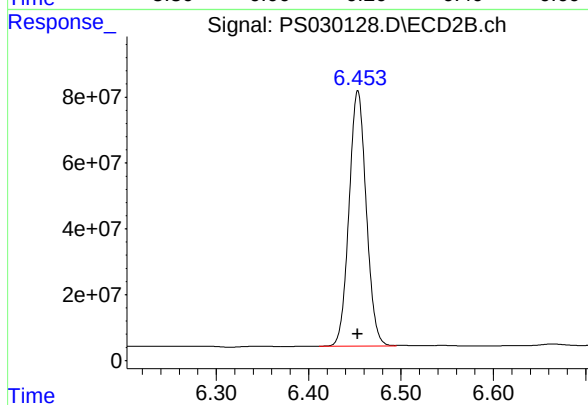
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 1730891069
Conc: 834.29 ng/ml



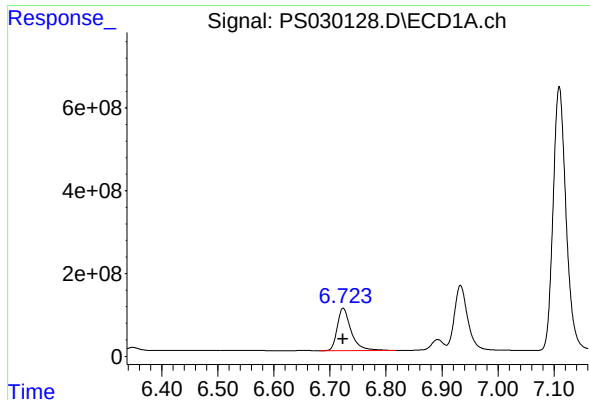
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 3589961745
Conc: 838.06 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 1001633745
Conc: 840.22 ng/ml



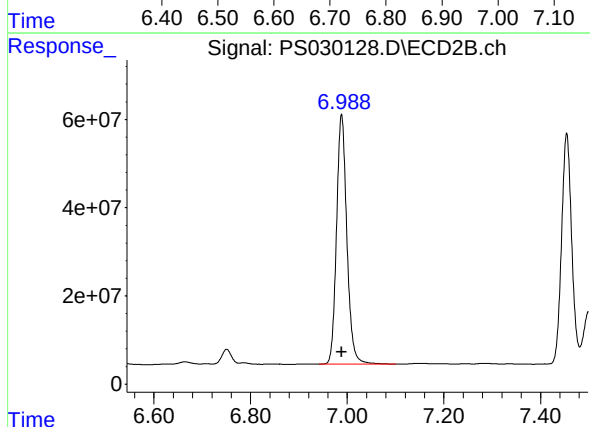
#3 4-Nitrophenol

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 1760427255
Conc: 835.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

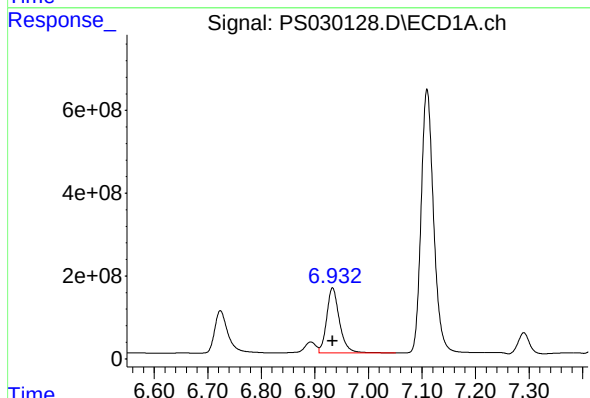
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



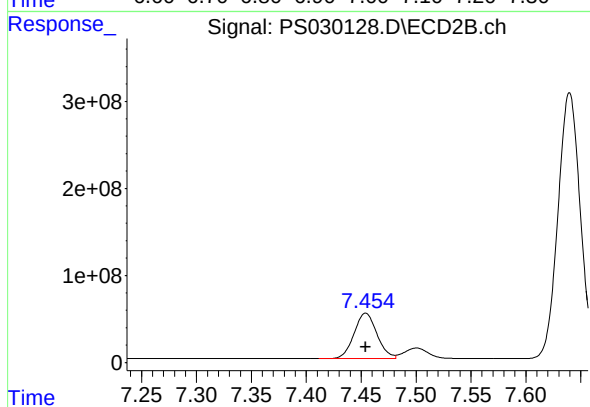
#3 4-Nitrophenol

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 837737348
Conc: 776.80 ng/ml



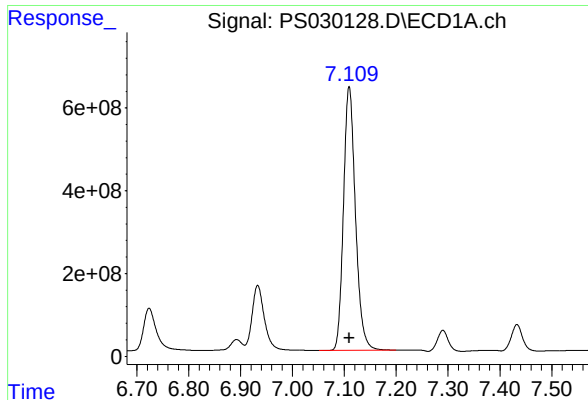
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 2609294743
Conc: 890.43 ng/ml



#4 2,4-DCAA

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 758360520
Conc: 932.17 ng/ml



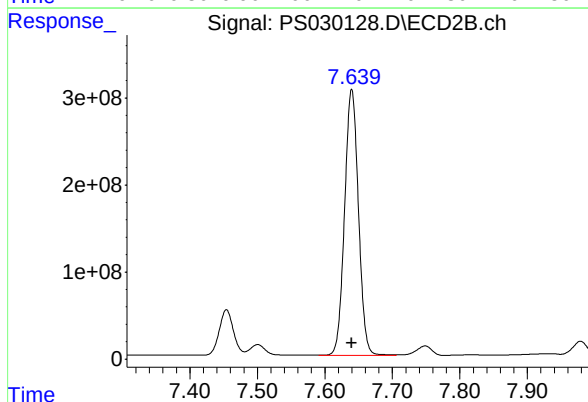
#5 DICAMBA

R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 10196279058
Conc: 863.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

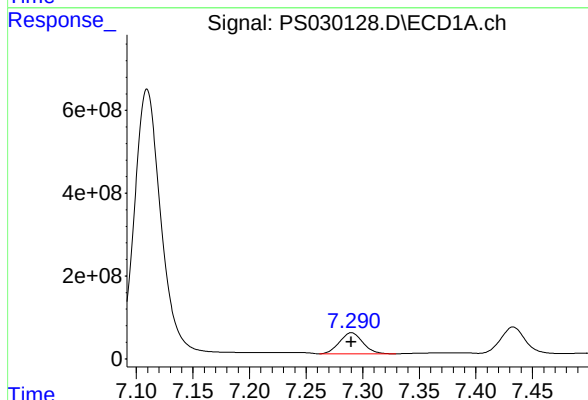
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 05/14/2025



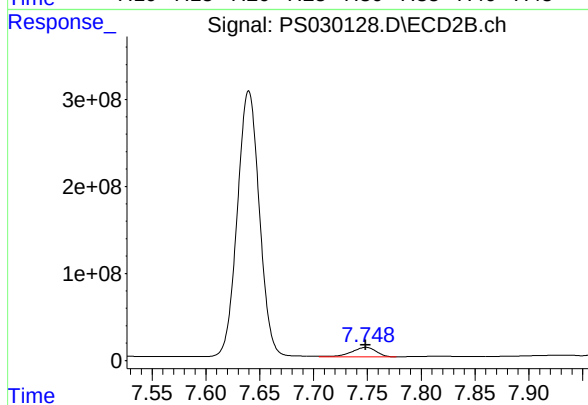
#5 DICAMBA

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 4357644538
Conc: 917.60 ng/ml



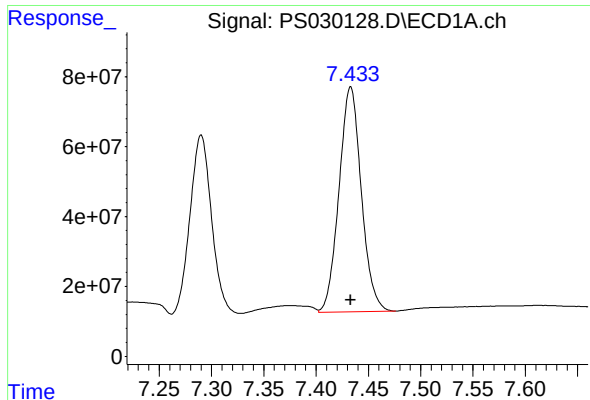
#6 MCPP

R.T.: 7.290 min
Delta R.T.: 0.000 min
Response: 729619930
Conc: 101.60 ug/ml



#6 MCPP

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 177433602
Conc: 97.19 ug/ml



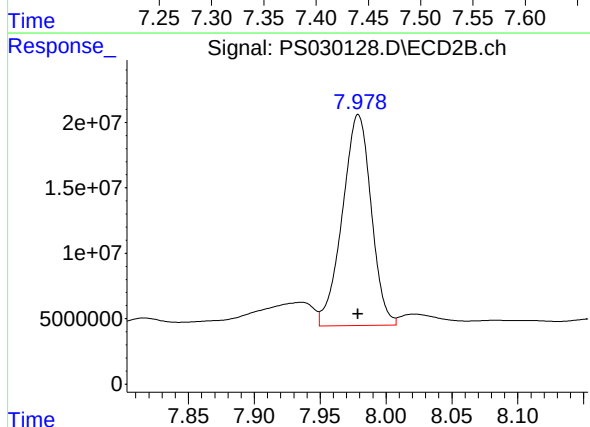
#7 MCPA

R.T.: 7.433 min
Delta R.T.: 0.000 min
Response: 953851940
Conc: 92.11 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

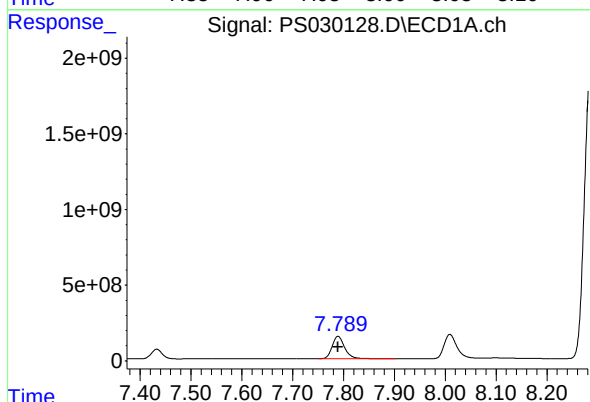
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



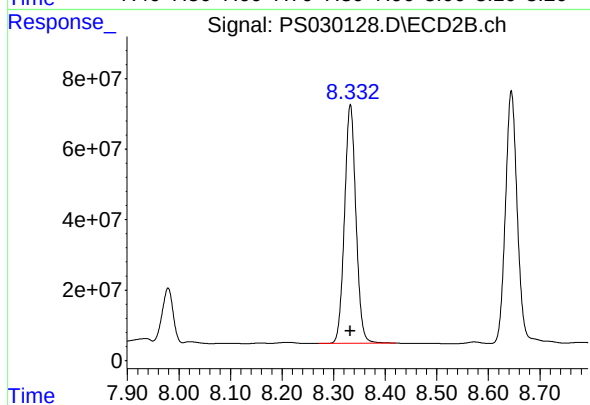
#7 MCPA

R.T.: 7.979 min
Delta R.T.: 0.000 min
Response: 245942773
Conc: 92.68 ug/ml



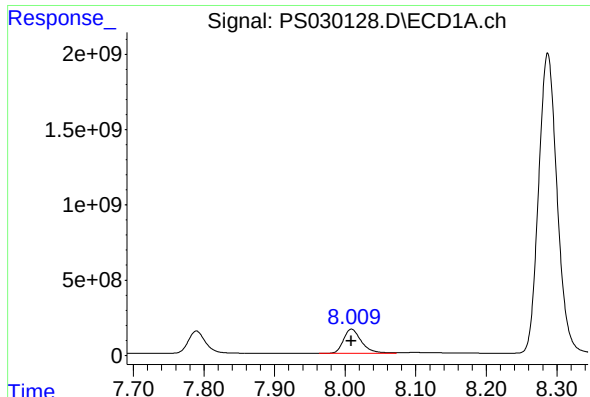
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 2519559442
Conc: 839.03 ng/ml



#8 DICHLORPROP

R.T.: 8.332 min
Delta R.T.: 0.000 min
Response: 1045503891
Conc: 867.71 ng/ml



#9 2,4-D

R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 2833974670
Conc: 841.65 ng/ml

Instrument :

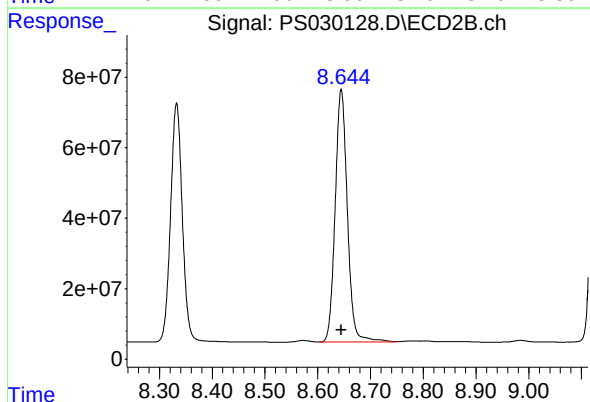
ECD_S

ClientSampleId :

HSTDICC1000

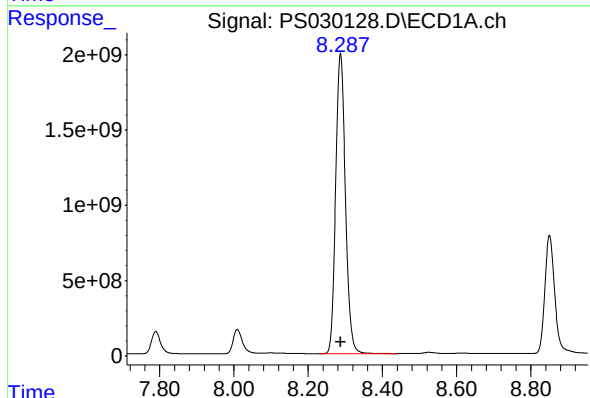
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



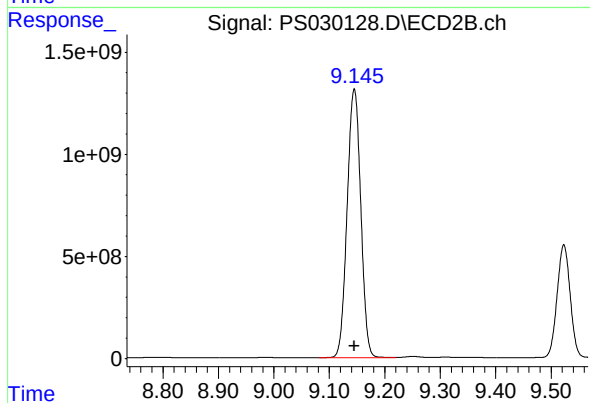
#9 2,4-D

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 1152351712
Conc: 878.81 ng/ml



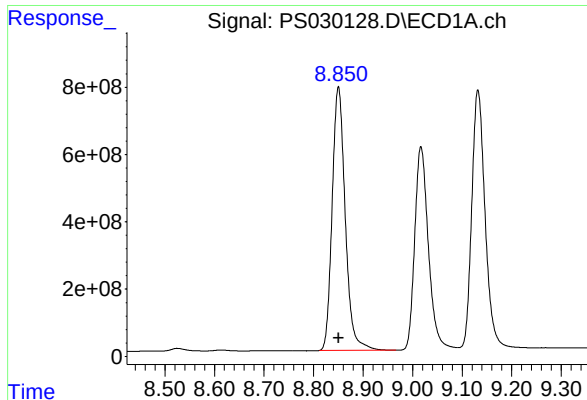
#10 Pentachlorophenol

R.T.: 8.287 min
Delta R.T.: 0.000 min
Response: 36236236928
Conc: 854.92 ng/ml



#10 Pentachlorophenol

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 22454999462
Conc: 890.70 ng/ml



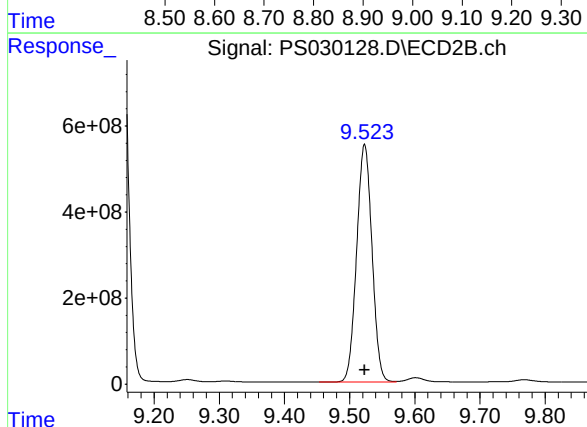
#11 2,4,5-TP (SILVEX)

R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 14372285305
Conc: 866.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

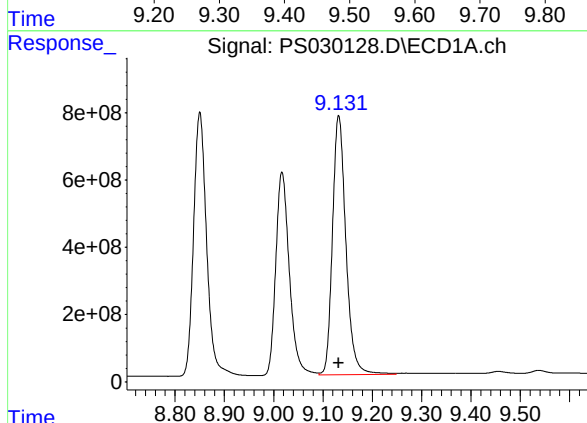
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



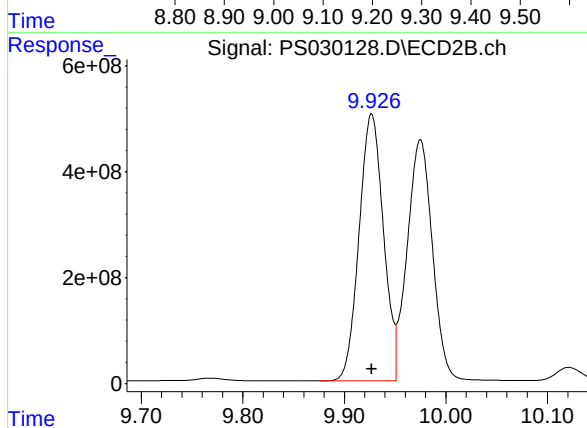
#11 2,4,5-TP (SILVEX)

R.T.: 9.523 min
Delta R.T.: 0.000 min
Response: 9041790337
Conc: 904.26 ng/ml



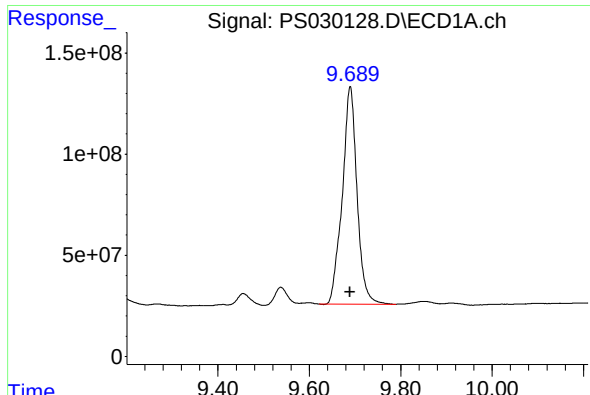
#12 2,4,5-T

R.T.: 9.132 min
Delta R.T.: 0.000 min
Response: 14592698367
Conc: 861.09 ng/ml



#12 2,4,5-T

R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 8411853822
Conc: 899.56 ng/ml



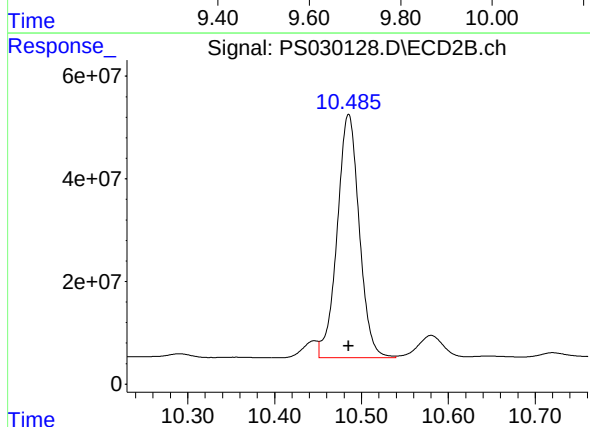
#13 2,4-DB

R.T.: 9.689 min
Delta R.T.: 0.000 min
Response: 2415350235
Conc: 920.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

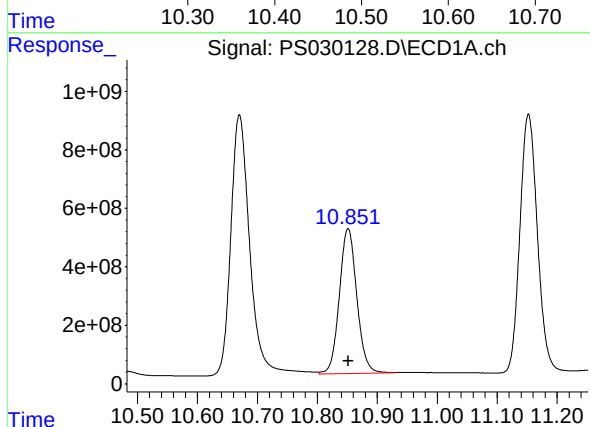
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



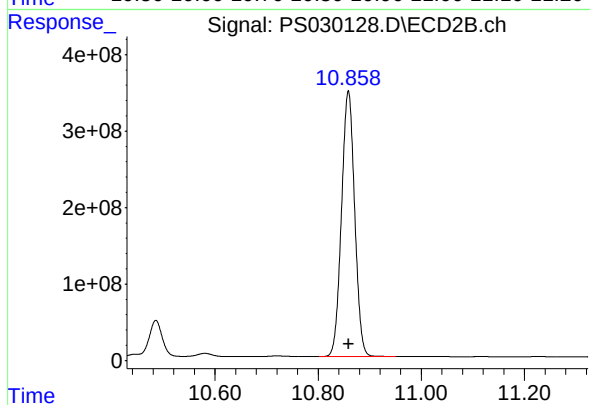
#13 2,4-DB

R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 837193651
Conc: 826.63 ng/ml



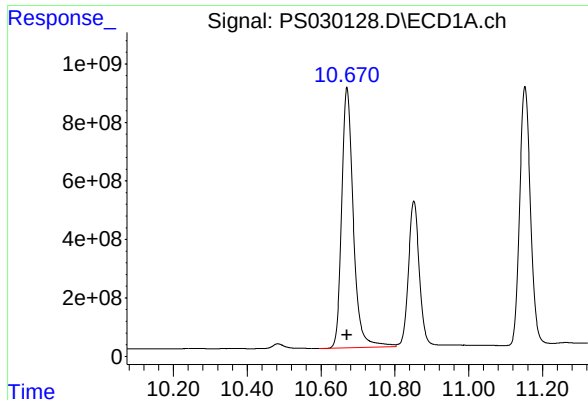
#14 DINOSEB

R.T.: 10.851 min
Delta R.T.: 0.000 min
Response: 10000274551
Conc: 852.66 ng/ml



#14 DINOSEB

R.T.: 10.859 min
Delta R.T.: 0.000 min
Response: 6148305628
Conc: 885.35 ng/ml



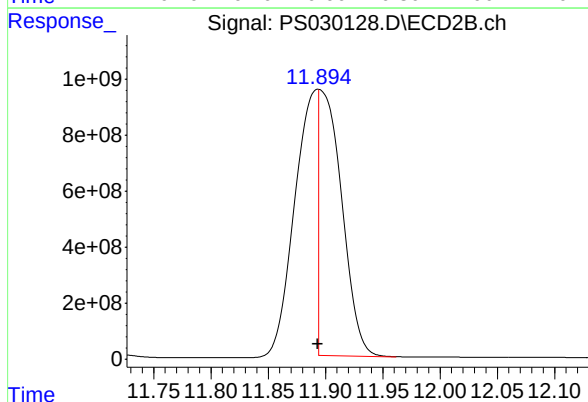
#15 Picloram

R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 19519635161
Conc: 897.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

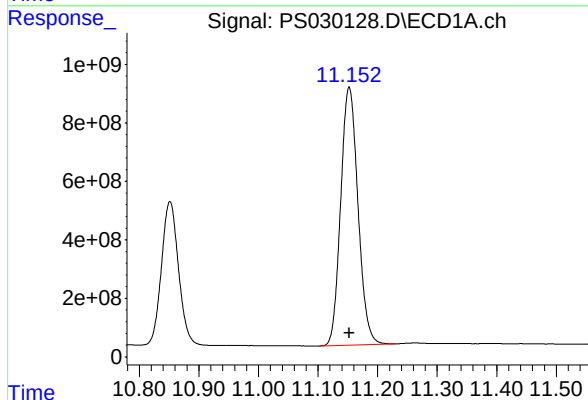
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



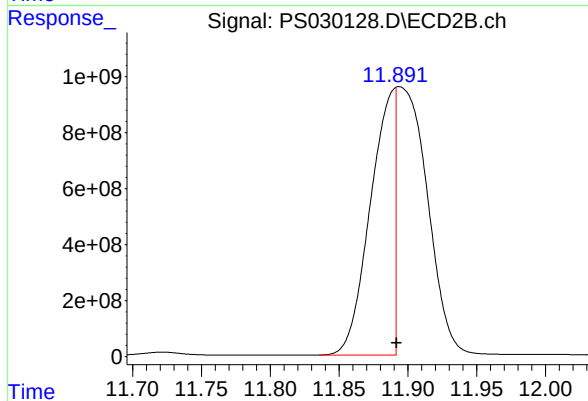
#15 Picloram

R.T.: 11.894 min
Delta R.T.: 0.000 min
Response: 13096984155
Conc: 914.91 ng/ml m



#16 DCPA

R.T.: 11.152 min
Delta R.T.: 0.000 min
Response: 17786782635
Conc: 869.18 ng/ml



#16 DCPA

R.T.: 11.891 min
Delta R.T.: 0.000 min
Response: 11870515181
Conc: 851.93 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030129.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 14:06
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/13/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 14:28:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:27:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	6.934	7.454	3776.3E6	1120.3E6	1326.050	1400.011
Target Compounds						
1) T Dalapon	2.446	2.520	5803.8E6	2534.2E6	1180.753	1247.720
2) T 3,5-DICHL...	6.139	6.453	5186.8E6	1479.7E6	1243.675	1269.249
3) T 4-Nitroph...	6.724	6.988	2599.8E6	1237.2E6	1258.609	1184.993
5) T DICAMBA	7.110	7.640	14856.3E6	6548.0E6	1285.438	1384.953
6) T MCPP	7.293	7.751	1084.1E6	267.4E6	148.855	145.320
7) T MCPA	7.437	7.983	1462.0E6	359.0E6	140.839	136.111
8) T DICHLORPROP	7.789	8.333	3658.8E6	1533.4E6	1252.430	1297.948
9) T 2,4-D	8.009	8.645	4125.7E6	1702.5E6	1258.234	1319.227
10) T Pentachlo...	8.293	9.145	46970.5E6	32180.6E6	1159.743	1303.651
11) T 2,4,5-TP ...	8.851	9.523	20814.7E6	13189.7E6	1285.177	1338.996
12) T 2,4,5-T	9.133	9.927	21074.1E6	12274.8E6	1276.042	1333.692
13) T 2,4-DB	9.690	10.485	3637.1E6	1297.8E6	1393.631	1307.799
14) T DINOSEB	10.852	10.859	14478.2E6	8998.7E6	1265.980	1317.150
15) T Picloram	10.670	11.895	28424.6E6	18755.9E6	1329.063	1314.827m
16) T DCPA	11.153	11.892	25491.3E6	17567.8E6	1280.231	1314.389m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:06
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

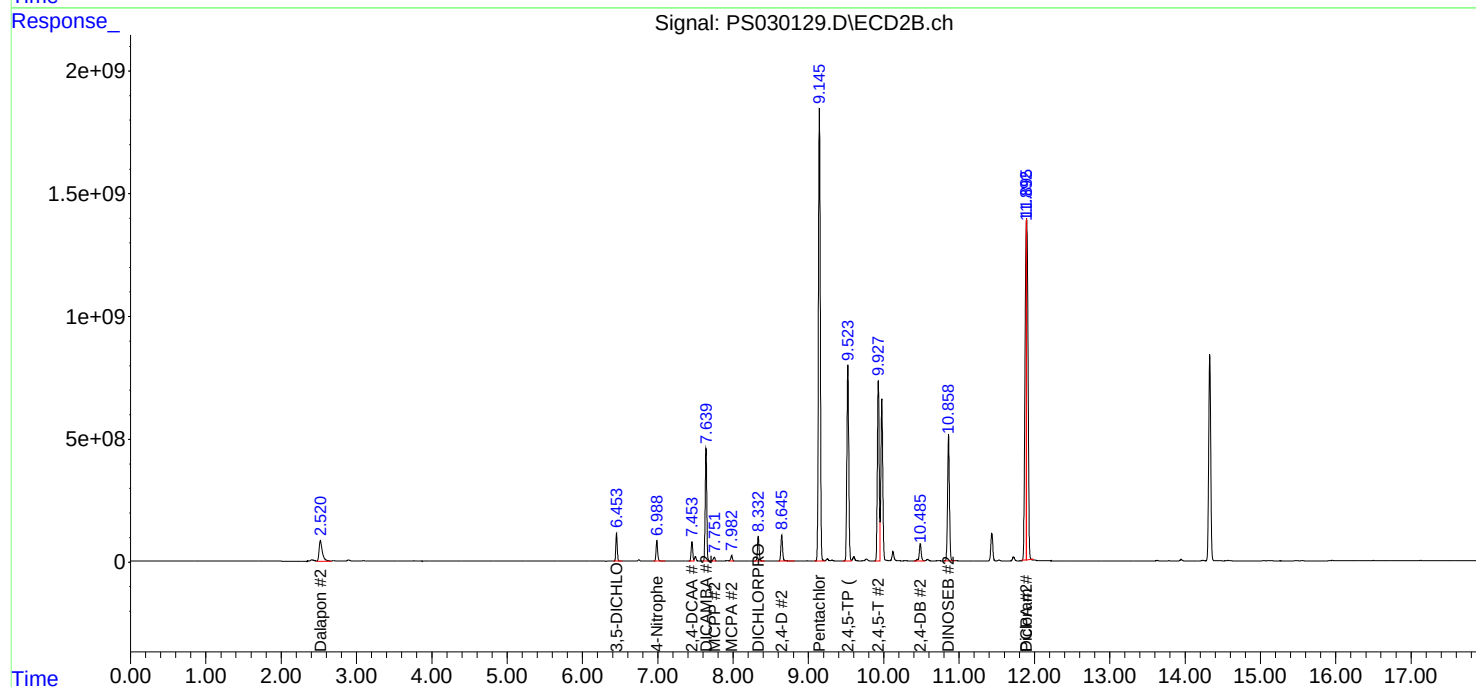
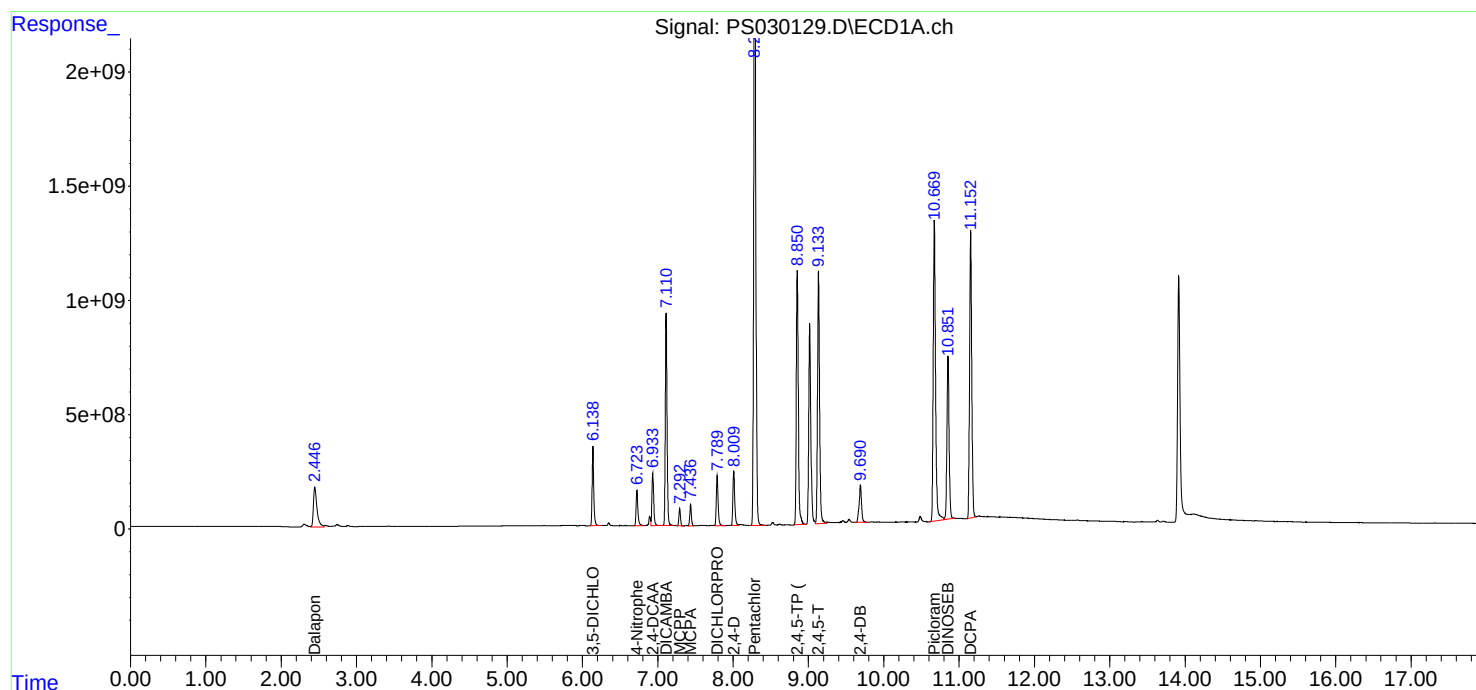
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

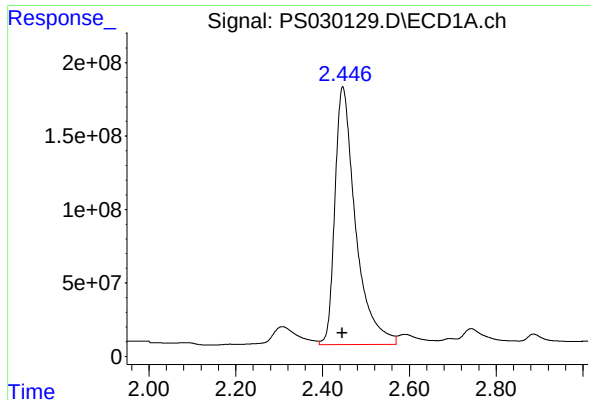
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:28:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:27:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Dalapon

R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 5803825974
Conc: 1180.75 ng/ml

Instrument :

ECD_S

ClientSampleId :

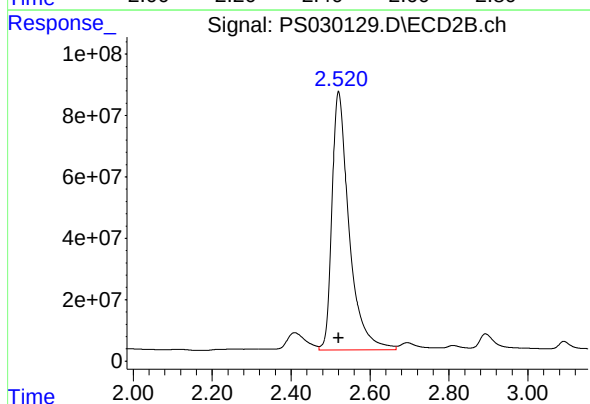
HSTDICC1500

Manual Integrations

APPROVED

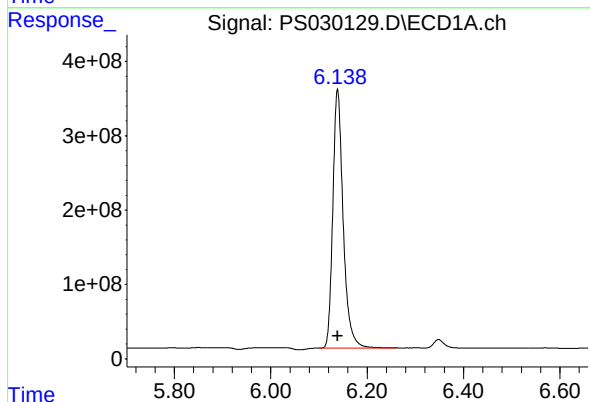
Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025



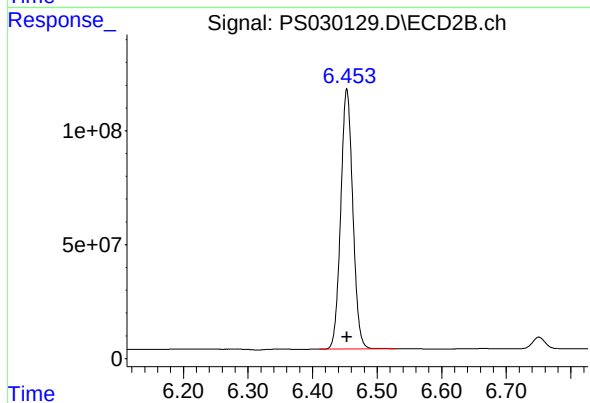
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 2534181671
Conc: 1247.72 ng/ml



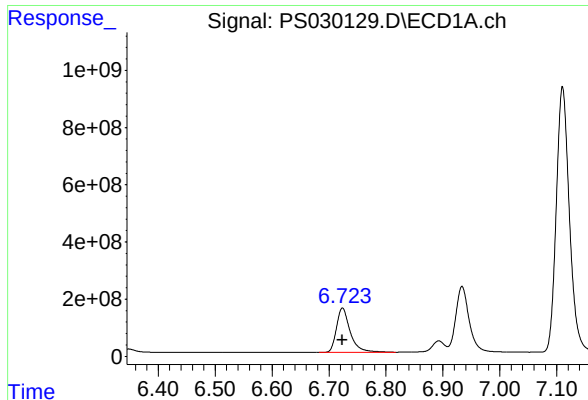
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 5186812575
Conc: 1243.68 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 1479728554
Conc: 1269.25 ng/ml



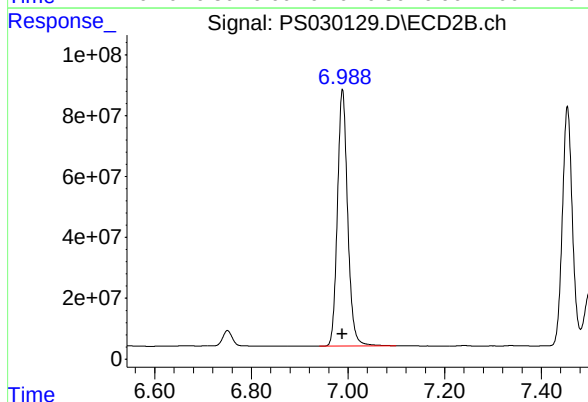
#3 4-Nitrophenol

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 2599800086
Conc: 1258.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

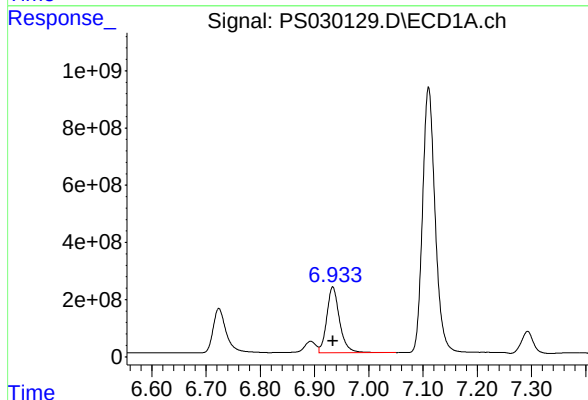
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



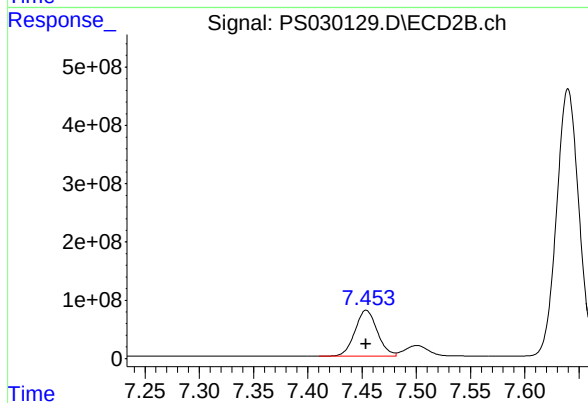
#3 4-Nitrophenol

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 1237170584
Conc: 1184.99 ng/ml



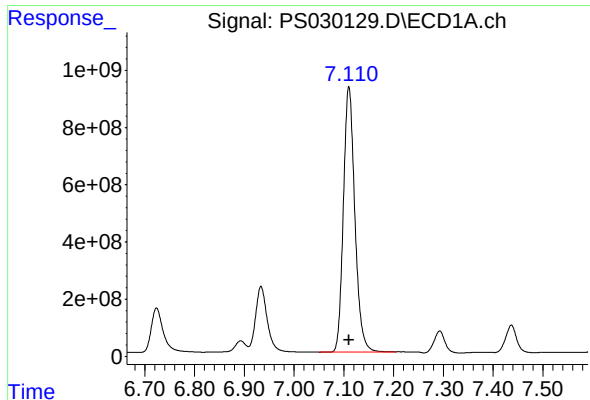
#4 2,4-DCAA

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 3776336032
Conc: 1326.05 ng/ml



#4 2,4-DCAA

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 1120293973
Conc: 1400.01 ng/ml



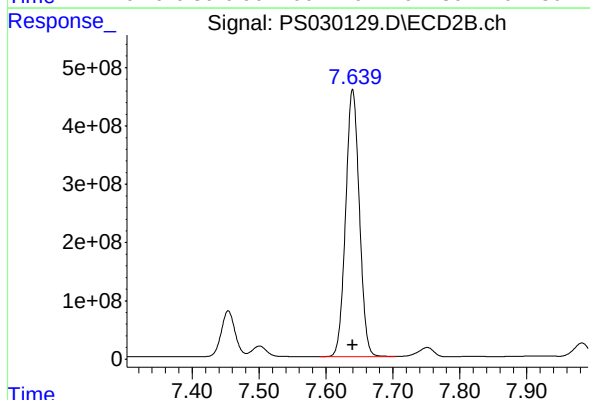
#5 DICAMBA

R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 14856279616
Conc: 1285.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

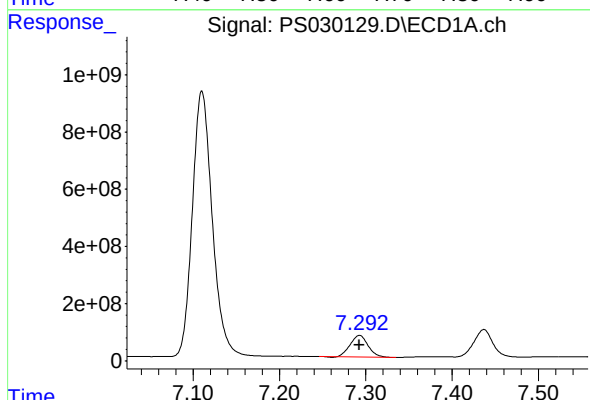
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



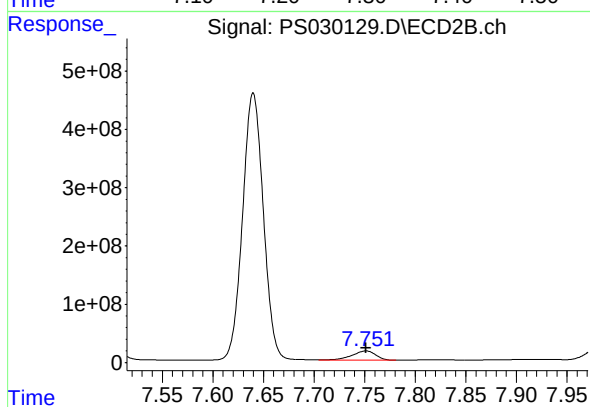
#5 DICAMBA

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 6548026936
Conc: 1384.95 ng/ml



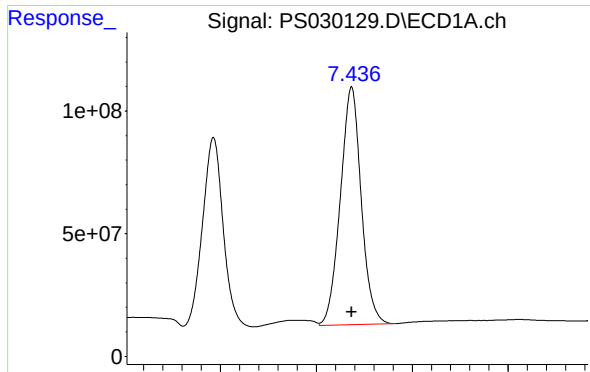
#6 MCPP

R.T.: 7.293 min
Delta R.T.: 0.000 min
Response: 1084061510
Conc: 148.85 ug/ml



#6 MCPP

R.T.: 7.751 min
Delta R.T.: 0.000 min
Response: 267354251
Conc: 145.32 ug/ml



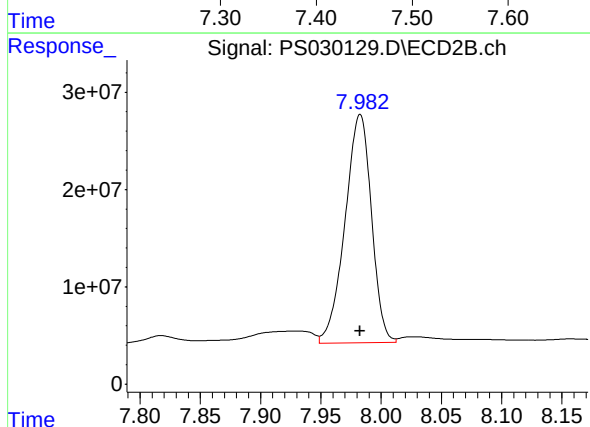
#7 MCPA

R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 1462037980
Conc: 140.84 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

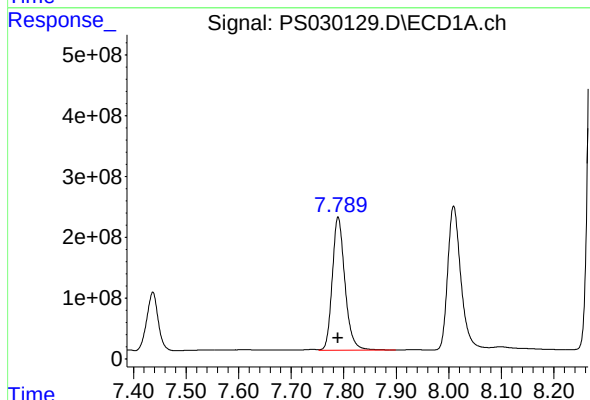
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



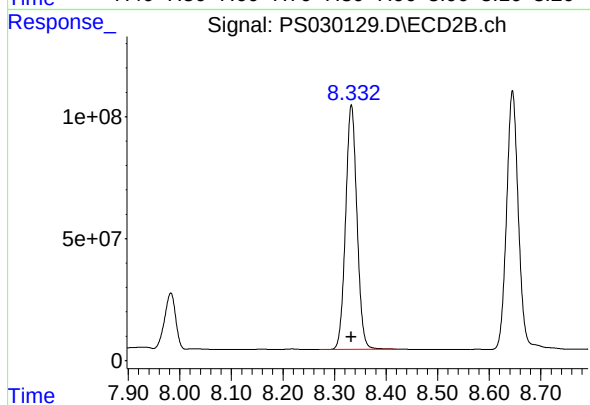
#7 MCPA

R.T.: 7.983 min
Delta R.T.: 0.000 min
Response: 359019035
Conc: 136.11 ug/ml



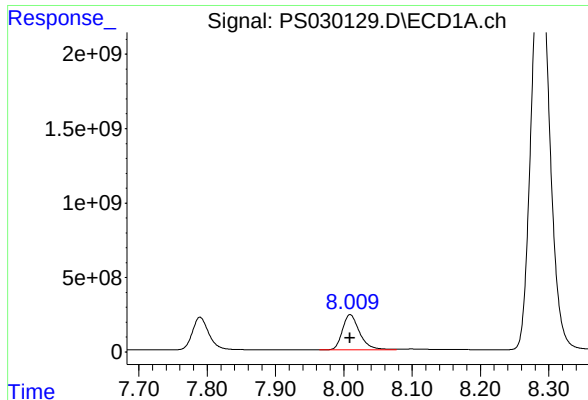
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 3658780135
Conc: 1252.43 ng/ml



#8 DICHLORPROP

R.T.: 8.333 min
Delta R.T.: 0.000 min
Response: 1533438356
Conc: 1297.95 ng/ml



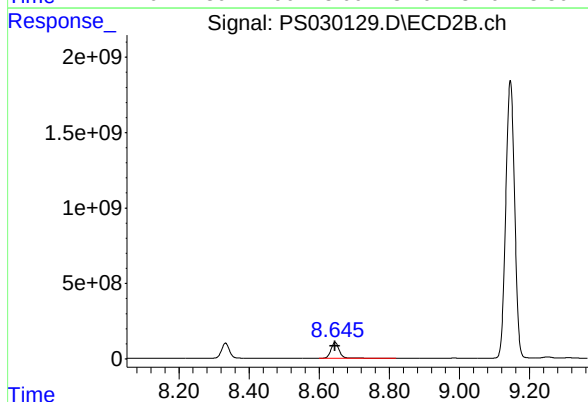
#9 2,4-D

R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 4125668343
Conc: 1258.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

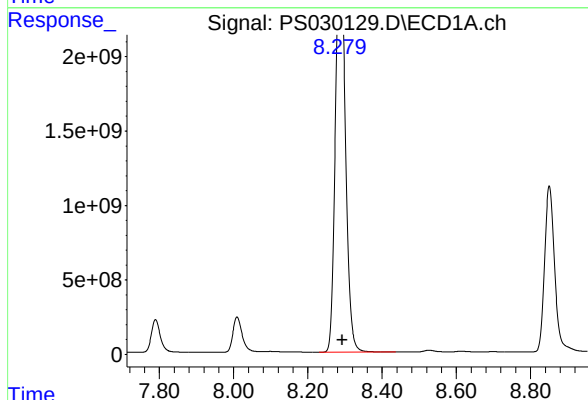
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



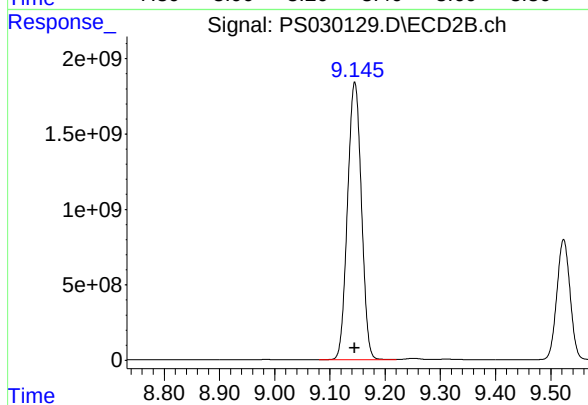
#9 2,4-D

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 1702463835
Conc: 1319.23 ng/ml



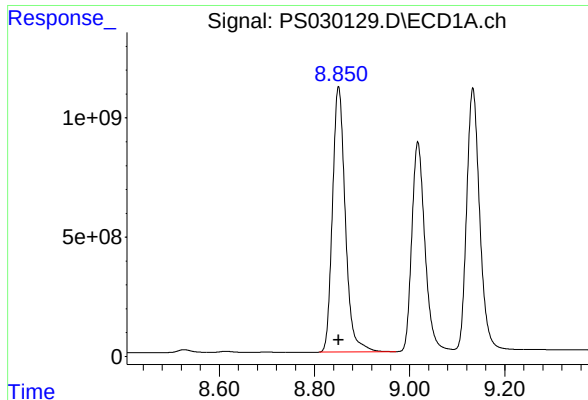
#10 Pentachlorophenol

R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 46970475936
Conc: 1159.74 ng/ml



#10 Pentachlorophenol

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 32180559414
Conc: 1303.65 ng/ml



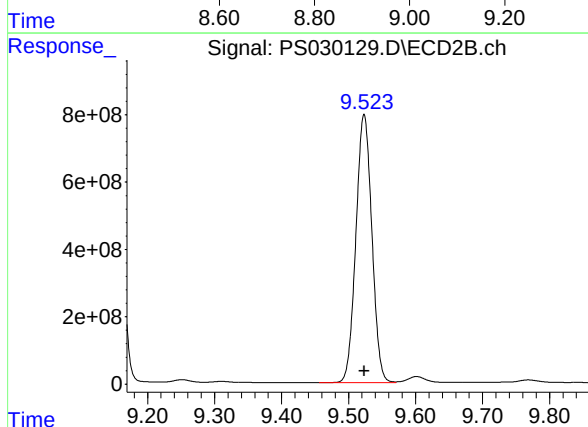
#11 2,4,5-TP (SILVEX)

R.T.: 8.851 min
Delta R.T.: 0.000 min
Response: 20814708718
Conc: 1285.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

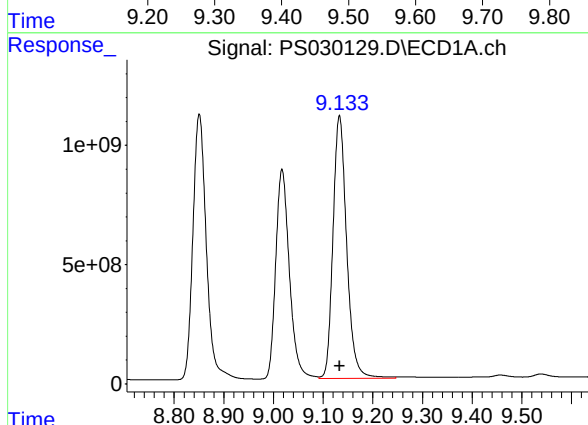
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



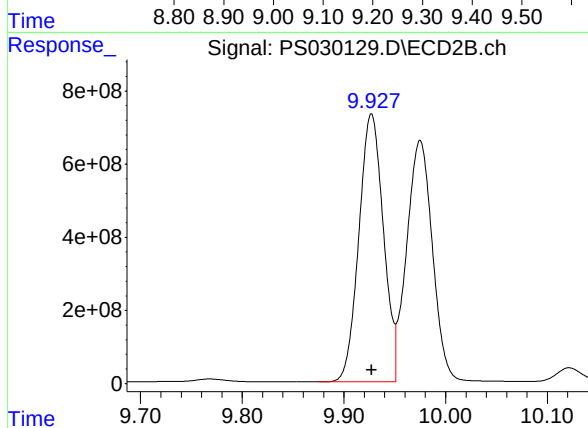
#11 2,4,5-TP (SILVEX)

R.T.: 9.523 min
Delta R.T.: 0.000 min
Response: 13189681851
Conc: 1339.00 ng/ml



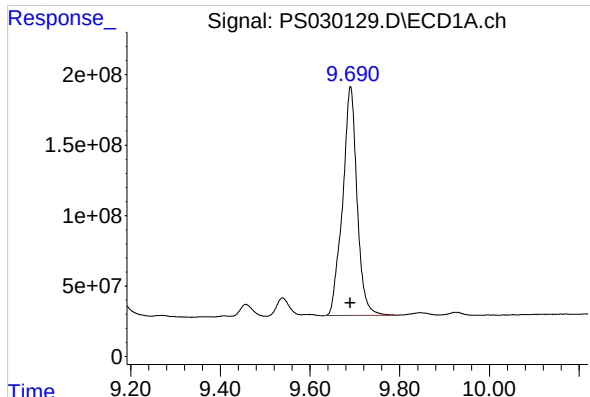
#12 2,4,5-T

R.T.: 9.133 min
Delta R.T.: 0.000 min
Response: 21074072877
Conc: 1276.04 ng/ml



#12 2,4,5-T

R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 12274774542
Conc: 1333.69 ng/ml



#13 2,4-DB

R.T.: 9.690 min
Delta R.T.: 0.000 min
Response: 3637060435
Conc: 1393.63 ng/ml

Instrument :

ECD_S

ClientSampleId :

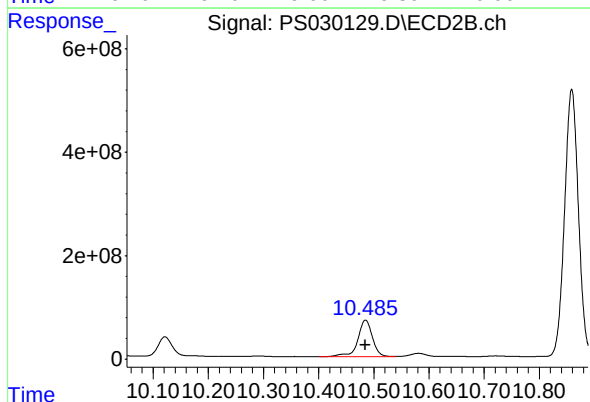
HSTDICC1500

Manual Integrations

APPROVED

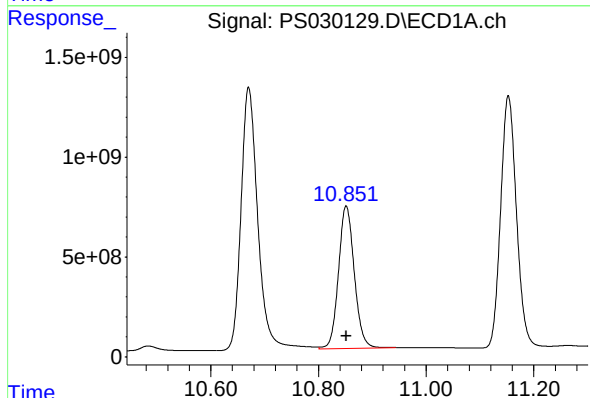
Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025



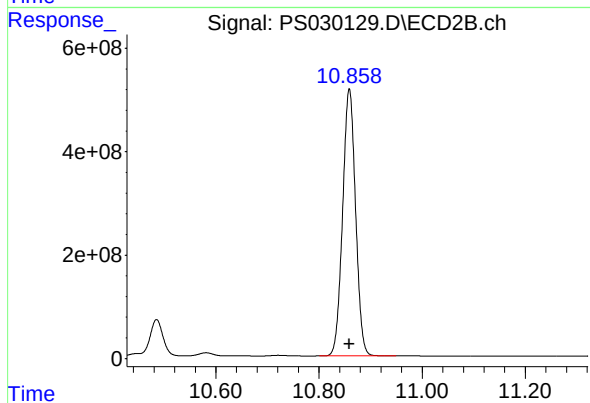
#13 2,4-DB

R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 1297822826
Conc: 1307.80 ng/ml



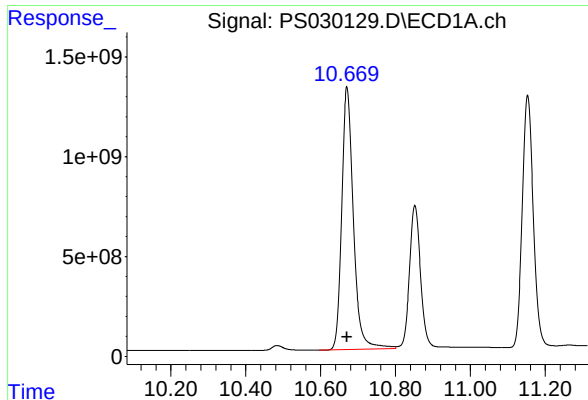
#14 DINOSEB

R.T.: 10.852 min
Delta R.T.: 0.000 min
Response: 14478196767
Conc: 1265.98 ng/ml



#14 DINOSEB

R.T.: 10.859 min
Delta R.T.: 0.000 min
Response: 8998743635
Conc: 1317.15 ng/ml



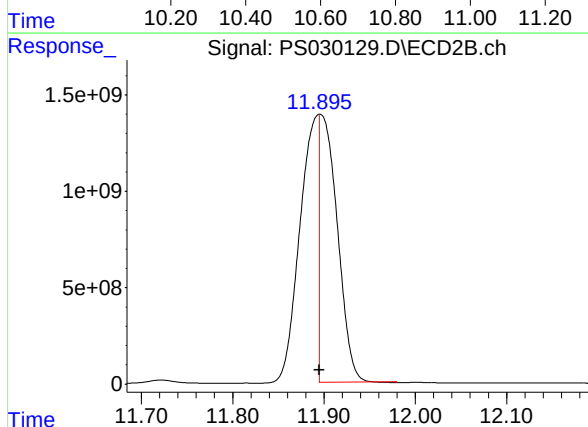
#15 Picloram

R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 28424643600
Conc: 1329.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

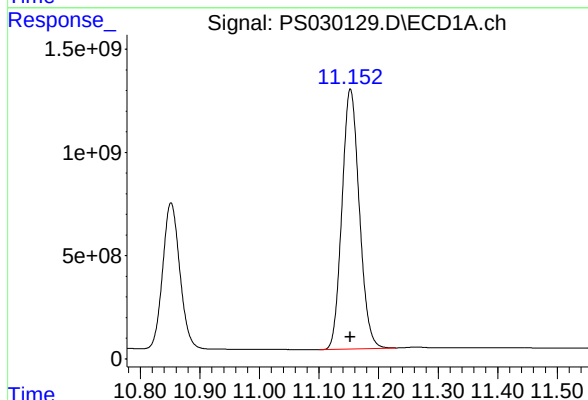
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



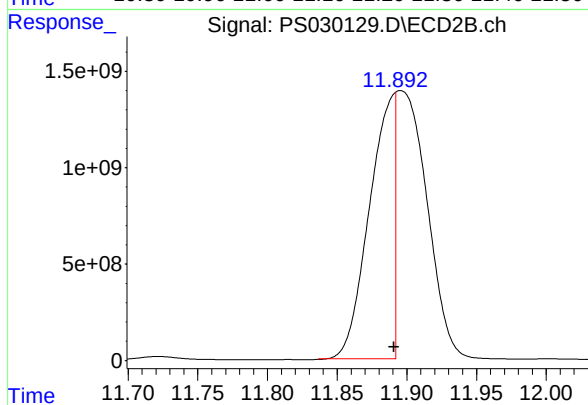
#15 Picloram

R.T.: 11.895 min
Delta R.T.: 0.000 min
Response: 18755888035
Conc: 1314.83 ng/ml m



#16 DCPA

R.T.: 11.153 min
Delta R.T.: 0.000 min
Response: 25491307126
Conc: 1280.23 ng/ml



#16 DCPA

R.T.: 11.892 min
Delta R.T.: 0.000 min
Response: 17567837929
Conc: 1314.39 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030130.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 14:30
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS051225

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 15:04:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.934	7.454	2000.1E6	576.9E6	702.326	720.970
Target Compounds							
1) T	Dalapon	2.446	2.520	3076.9E6	1314.3E6	625.967	647.108
2) T	3,5-DICHL...	6.139	6.453	2750.7E6	760.8E6	659.557	652.607
3) T	4-Nitroph...	6.724	6.989	1318.9E6	628.7E6	638.507	602.172
5) T	DICAMBA	7.110	7.640	7834.8E6	3263.7E6	677.908	690.298
6) T	MCPD	7.289	7.748	532.7E6	133.5E6	73.145	72.581
7) T	MCPA	7.431	7.978	699.7E6	180.7E6	67.398	68.504
8) T	DICHLORPROP	7.790	8.333	1940.1E6	796.8E6	664.107	674.472
9) T	2,4-D	8.010	8.645	2200.0E6	878.7E6	670.942	680.913
10) T	Pentachlo...	8.287	9.145	28175.2E6	17257.0E6	695.670	699.091
11) T	2,4,5-TP ...	8.851	9.524	11116.5E6	6877.2E6	686.375	698.163
12) T	2,4,5-T	9.133	9.927	11274.6E6	6386.9E6	682.678	693.957
13) T	2,4-DB	9.691	10.486	1842.8E6	635.3E6	706.110	640.157
14) T	DINOSEB	10.851	10.859	7678.7E6	4674.1E6	671.427	684.150
15) T	Picloram	10.671	11.895	14927.7E6	9640.6E6	697.983	685.038m
16) T	DCPA	11.153	11.892	13809.2E6	9287.7E6	693.529	687.439m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:30
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS051225

Manual Integrations

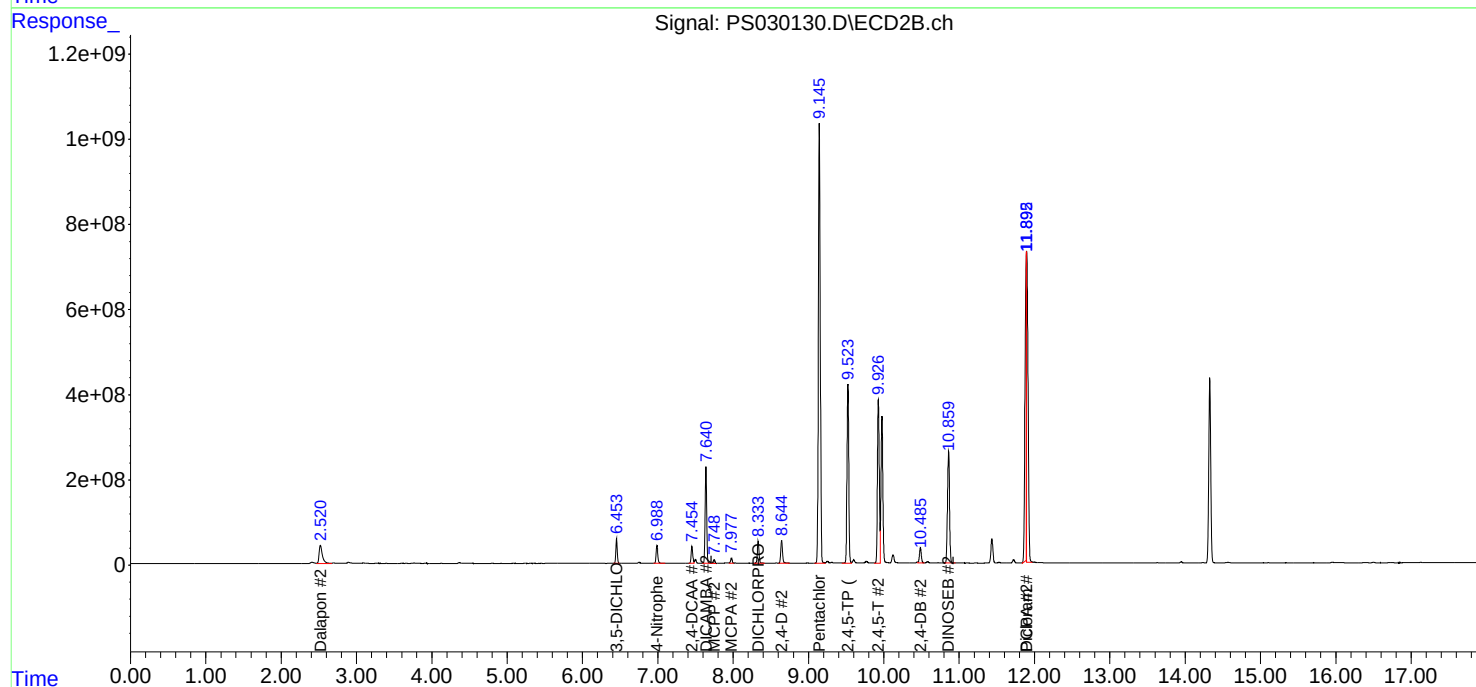
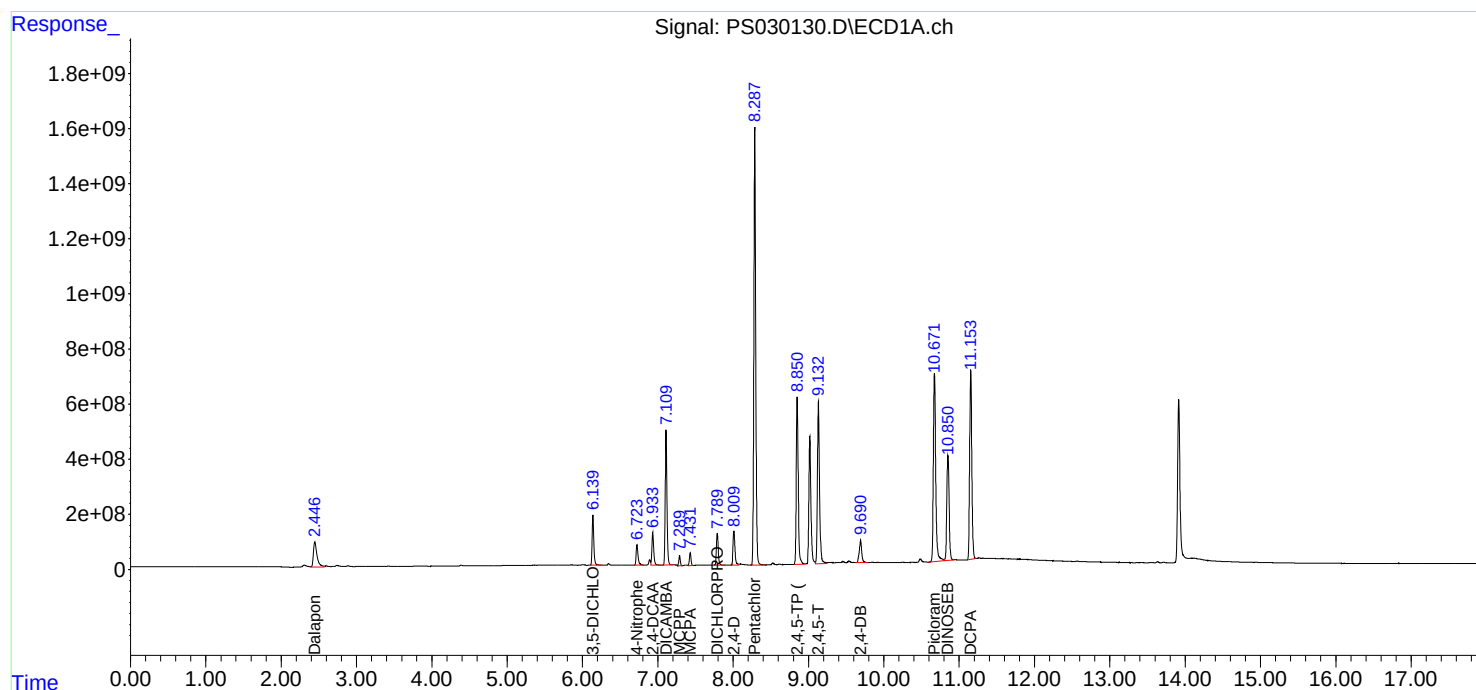
APPROVED

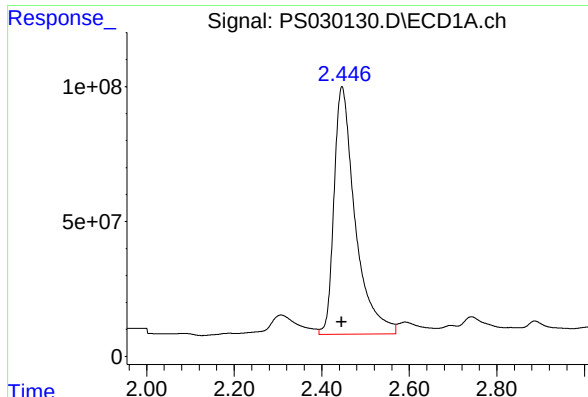
Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:04:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Dalapon

R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 3076854417
Conc: 625.97 ng/ml

Instrument :

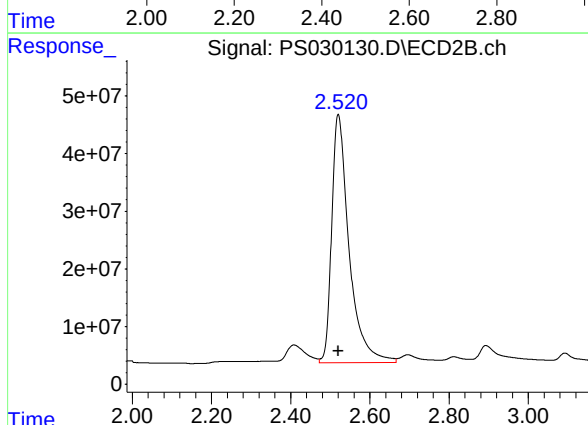
ECD_S

ClientSampleId :

ICVPS051225

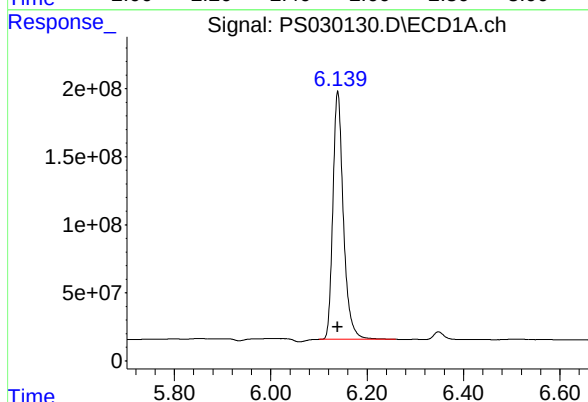
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



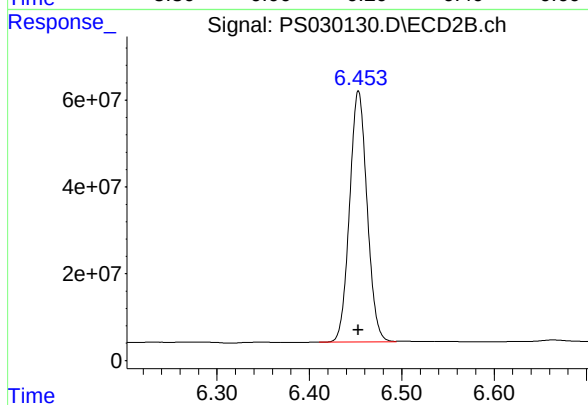
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 1314308835
Conc: 647.11 ng/ml



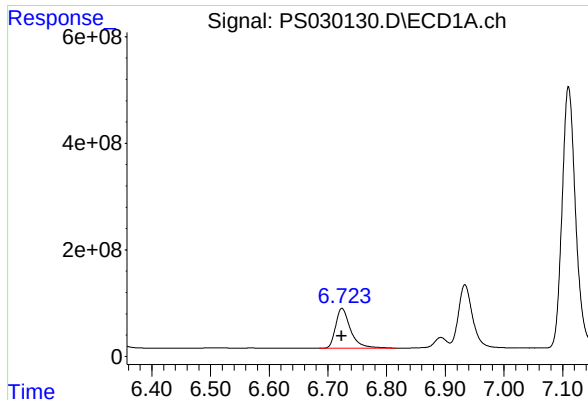
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 2750717381
Conc: 659.56 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 760828672
Conc: 652.61 ng/ml



#3 4-Nitrophenol

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 1318908905
Conc: 638.51 ng/ml

Instrument :

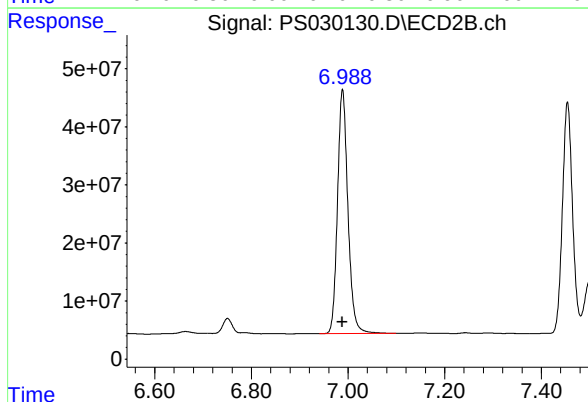
ECD_S

ClientSampleId :

ICVPS051225

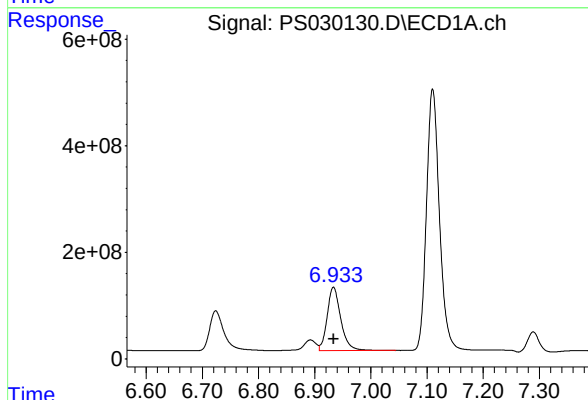
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



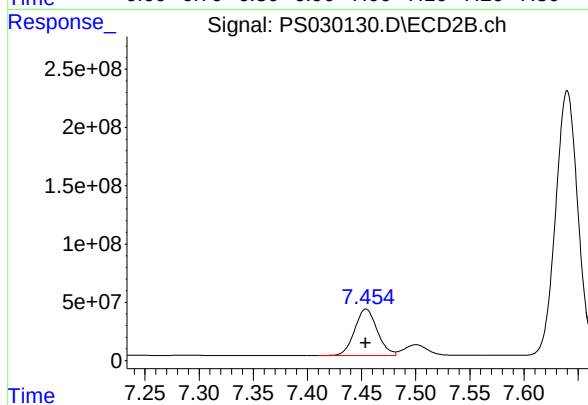
#3 4-Nitrophenol

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 628686597
Conc: 602.17 ng/ml



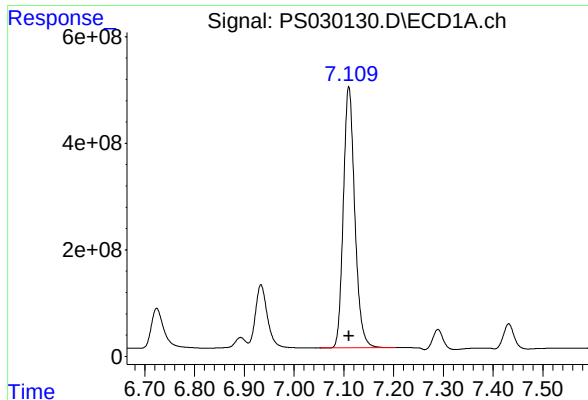
#4 2,4-DCAA

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 2000088764
Conc: 702.33 ng/ml



#4 2,4-DCAA

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 576922713
Conc: 720.97 ng/ml



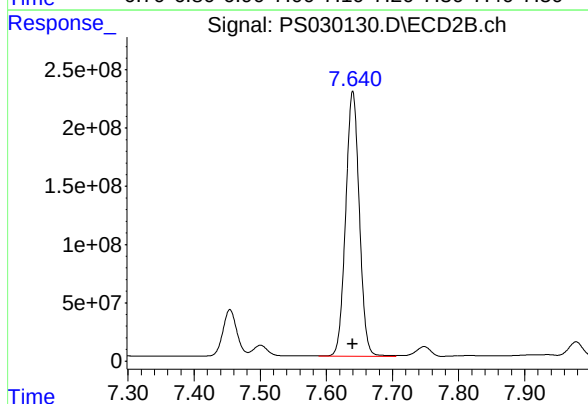
#5 DICAMBA

R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 7834826890
Conc: 677.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225

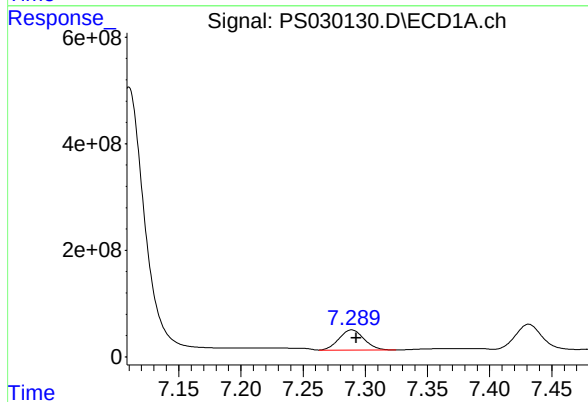
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



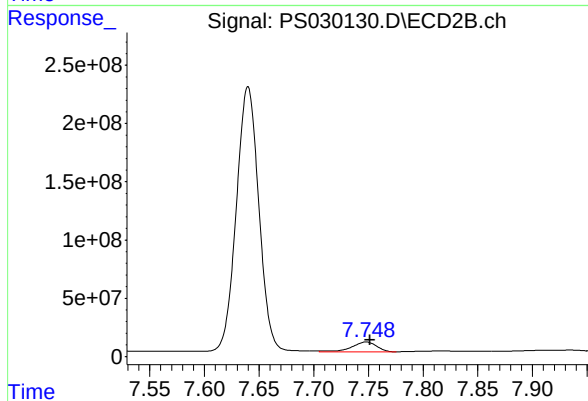
#5 DICAMBA

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 3263712835
Conc: 690.30 ng/ml



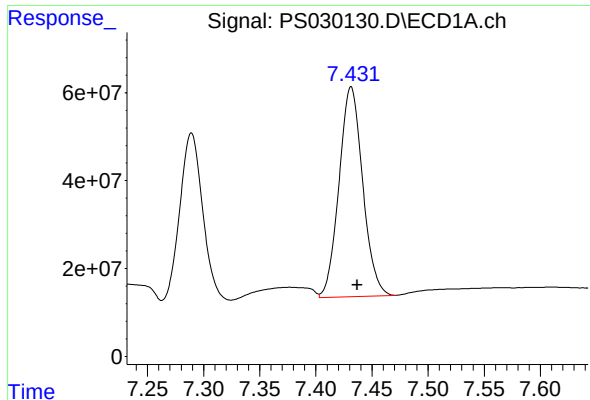
#6 MCPP

R.T.: 7.289 min
Delta R.T.: -0.004 min
Response: 532690959
Conc: 73.14 ug/ml



#6 MCPP

R.T.: 7.748 min
Delta R.T.: -0.003 min
Response: 133532347
Conc: 72.58 ug/ml



#7 MCPA

R.T.: 7.431 min
Delta R.T.: -0.005 min
Response: 699653234
Conc: 67.40 ug/ml

Instrument :

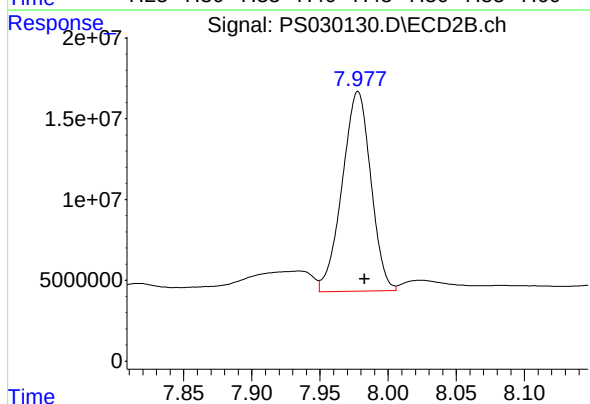
ECD_S

ClientSampleId :

ICVPS051225

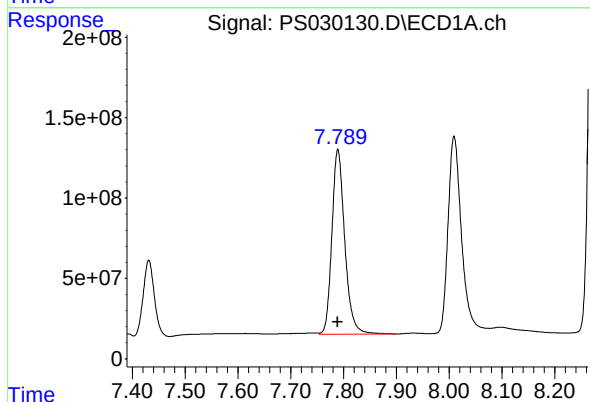
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



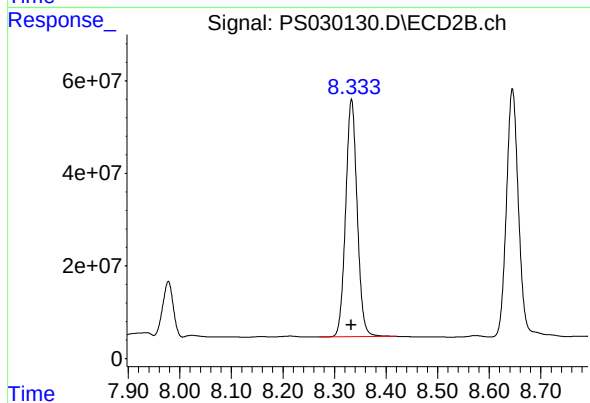
#7 MCPA

R.T.: 7.978 min
Delta R.T.: -0.005 min
Response: 180692602
Conc: 68.50 ug/ml



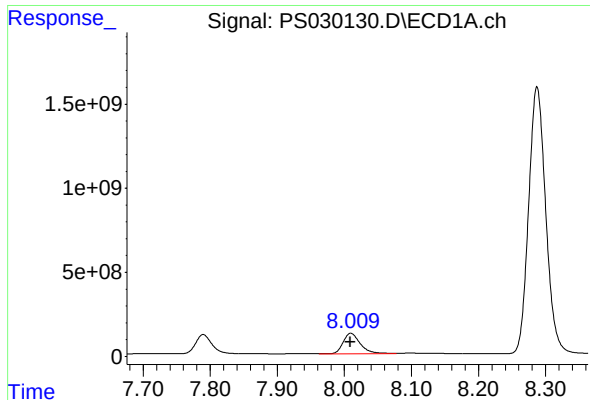
#8 DICHLORPROP

R.T.: 7.790 min
Delta R.T.: 0.000 min
Response: 1940086788
Conc: 664.11 ng/ml



#8 DICHLORPROP

R.T.: 8.333 min
Delta R.T.: 0.000 min
Response: 796844019
Conc: 674.47 ng/ml



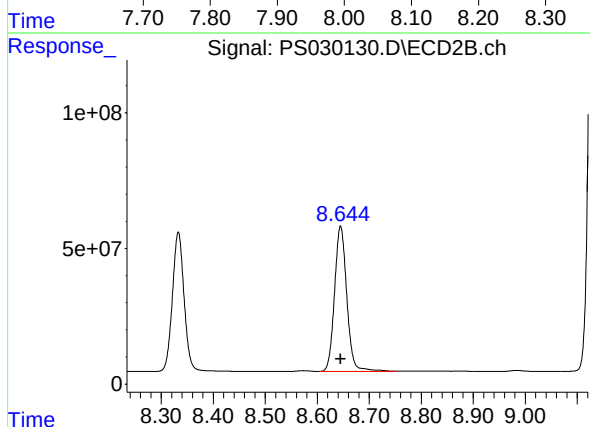
#9 2,4-D

R.T.: 8.010 min
Delta R.T.: 0.000 min
Response: 2199974745
Conc: 670.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225

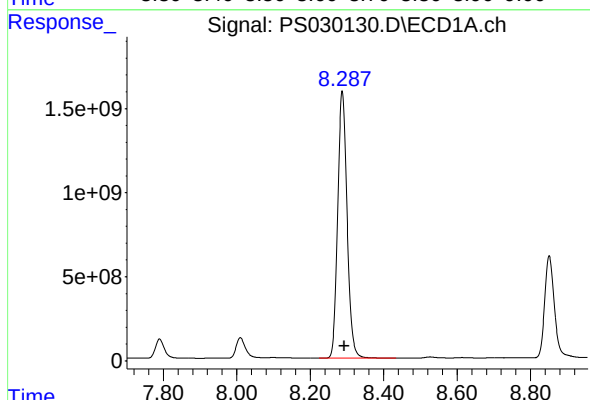
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



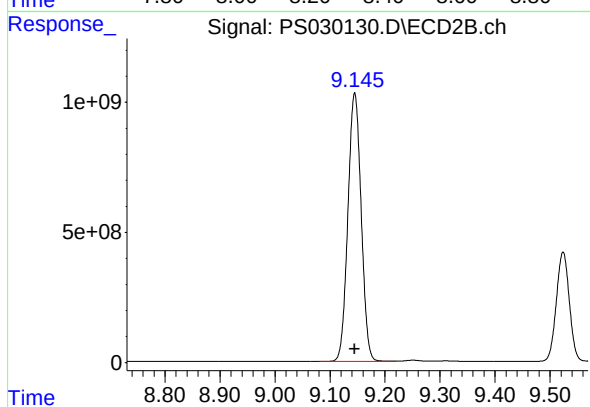
#9 2,4-D

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 878719140
Conc: 680.91 ng/ml



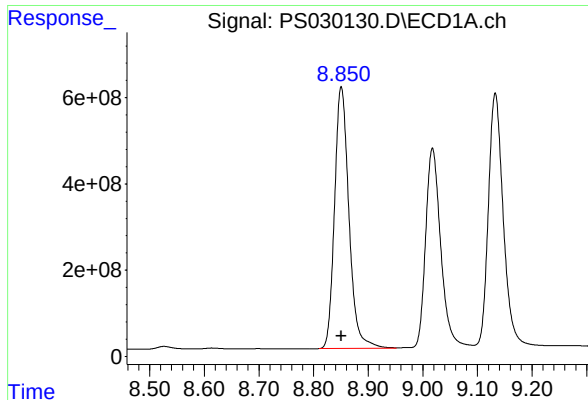
#10 Pentachlorophenol

R.T.: 8.287 min
Delta R.T.: -0.006 min
Response: 28175191156
Conc: 695.67 ng/ml



#10 Pentachlorophenol

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 17257037939
Conc: 699.09 ng/ml



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

R.T.: 8.851 min
Delta R.T.: 0.000 min
Response: 11116517323
Conc: 686.37 ng/ml

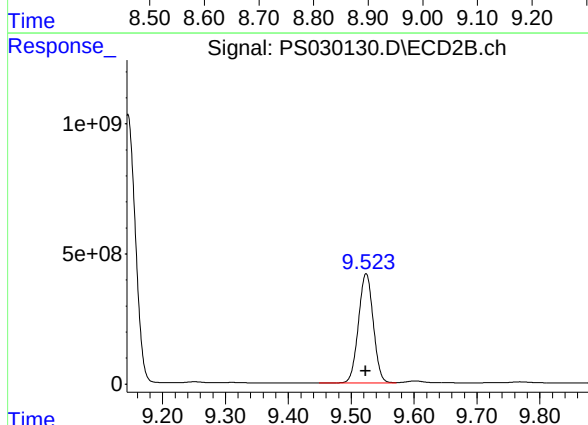
Instrument :

ECD_S

ClientSampleId :
ICVPS051225

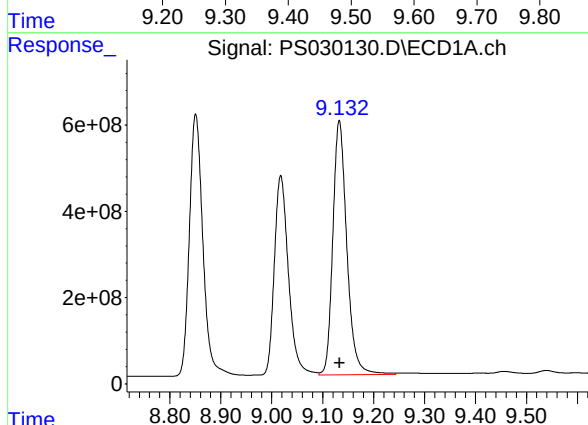
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



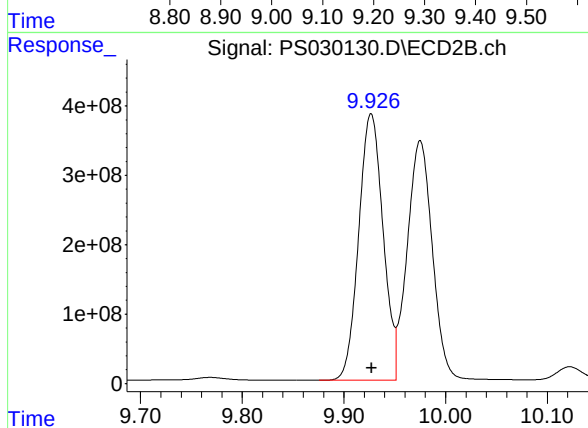
#11 2,4,5-TP (SILVEX)

R.T.: 9.524 min
Delta R.T.: 0.000 min
Response: 6877200404
Conc: 698.16 ng/ml



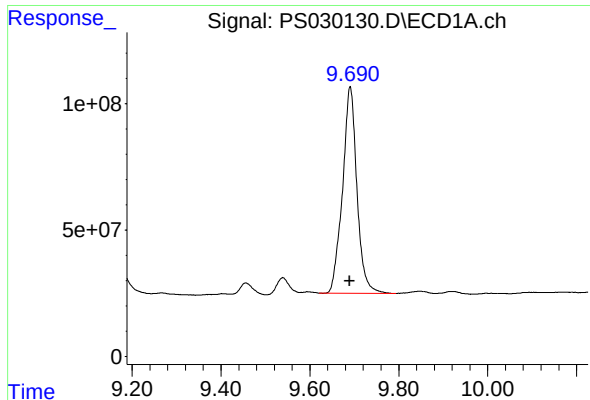
#12 2,4,5-T

R.T.: 9.133 min
Delta R.T.: 0.000 min
Response: 11274562336
Conc: 682.68 ng/ml



#12 2,4,5-T

R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 6386908148
Conc: 693.96 ng/ml



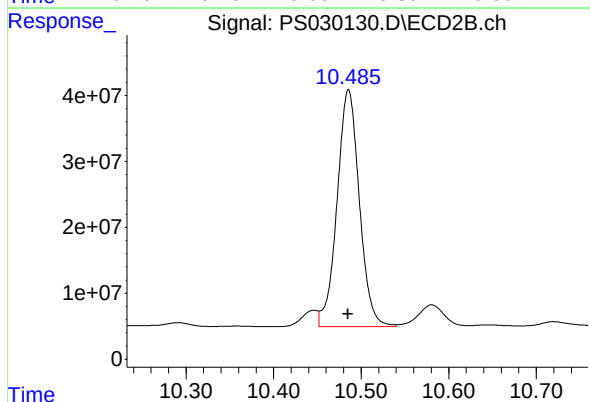
#13 2,4-DB

R.T.: 9.691 min
Delta R.T.: 0.000 min
Response: 1842786133
Conc: 706.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225

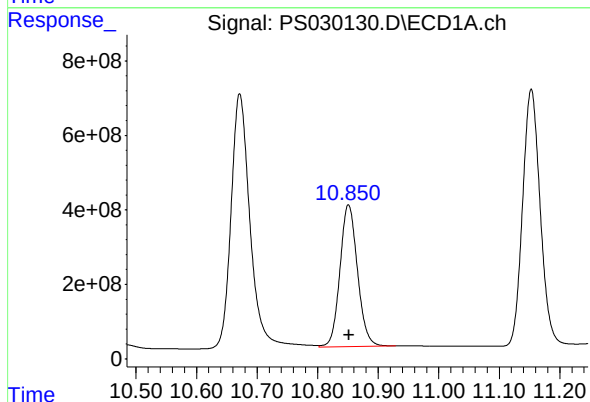
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



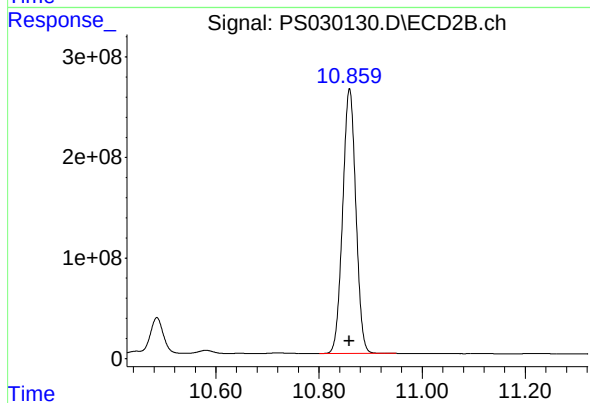
#13 2,4-DB

R.T.: 10.486 min
Delta R.T.: 0.000 min
Response: 635273485
Conc: 640.16 ng/ml



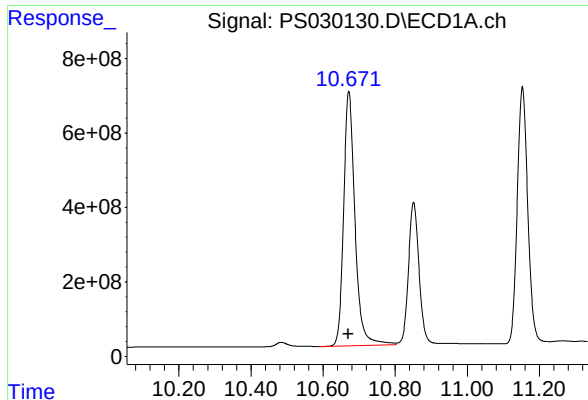
#14 DINOSEB

R.T.: 10.851 min
Delta R.T.: 0.000 min
Response: 7678679118
Conc: 671.43 ng/ml



#14 DINOSEB

R.T.: 10.859 min
Delta R.T.: 0.000 min
Response: 4674103206
Conc: 684.15 ng/ml



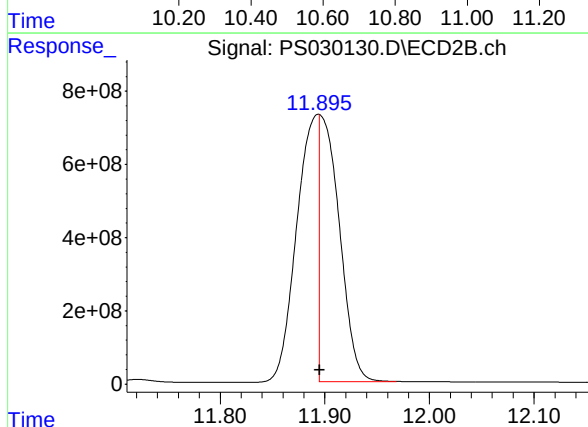
#15 Picloram

R.T.: 10.671 min
Delta R.T.: 0.001 min
Response: 14927746016
Conc: 697.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225

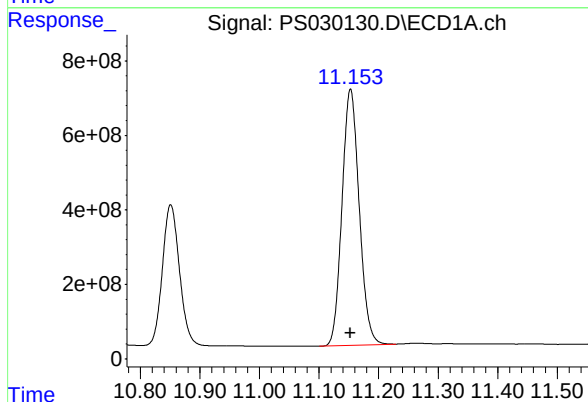
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/13/2025
Supervised By :mohammad ahmed 05/14/2025



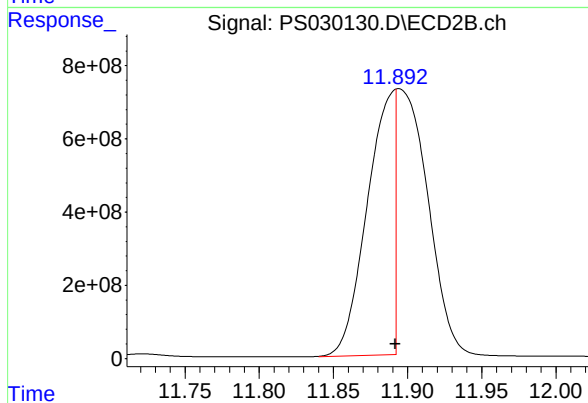
#15 Picloram

R.T.: 11.895 min
Delta R.T.: 0.000 min
Response: 9640615954
Conc: 685.04 ng/ml m



#16 DCPA

R.T.: 11.153 min
Delta R.T.: 0.000 min
Response: 13809186596
Conc: 693.53 ng/ml



#16 DCPA

R.T.: 11.892 min
Delta R.T.: 0.000 min
Response: 9287654446
Conc: 687.44 ng/ml m



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Continuing Calib Date: 05/15/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 16:06 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
Dalapon	2.45	2.45	2.35	2.55	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Continuing Calib Date: 05/15/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 16:06 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
Dalapon	2.52	2.52	2.42	2.62	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.86	10.86	10.76	10.96	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL01 Date Analyzed: 05/15/2025

Lab Sample No.: HSTDCCC750 Data File : PS030236.D Time Analyzed: 16:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.131	9.033	9.233	707.730	712.500	-0.7
2,4,5-TP(Silvex)	8.849	8.750	8.950	707.610	712.500	-0.7
2,4-D	8.008	7.910	8.110	690.730	705.000	-2.0
2,4-DB	9.689	9.589	9.789	753.460	712.500	5.7
2,4-DCAA	6.932	6.834	7.034	734.390	750.000	-2.1
Dalapon	2.446	2.346	2.546	663.730	682.500	-2.8
DICAMBA	7.109	7.010	7.210	700.170	705.000	-0.7
DICHLORPROP	7.789	7.689	7.889	688.270	705.000	-2.4
Dinoseb	10.850	10.751	10.951	681.630	705.000	-3.3



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL01 Date Analyzed: 05/15/2025

Lab Sample No.: HSTDCCC750 Data File : PS030236.D Time Analyzed: 16:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.923	9.826	10.026	719.900	712.500	1.0
2,4,5-TP(Silvex)	9.519	9.423	9.623	722.990	712.500	1.5
2,4-D	8.641	8.544	8.744	710.880	705.000	0.8
2,4-DB	10.481	10.385	10.585	666.280	712.500	-6.5
2,4-DCAA	7.451	7.354	7.554	743.230	750.000	-0.9
Dalapon	2.519	2.420	2.620	670.550	682.500	-1.8
DICAMBA	7.636	7.539	7.739	718.480	705.000	1.9
DICHLORPROP	8.329	8.232	8.432	689.300	705.000	-2.2
Dinoseb	10.855	10.758	10.958	701.990	705.000	-0.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030236.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 16:06
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:19:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.932	7.451	2091.4E6	594.7E6	734.393	743.232
Target Compounds							
1) T	Dalapon	2.446	2.519	3262.5E6	1361.9E6	663.733	670.552
2) T	3,5-DICHL...	6.137	6.451	2843.6E6	782.6E6	681.823	671.244
3) T	4-Nitroph...	6.723	6.986	1400.0E6	649.7E6	677.752	622.335
5) T	DICAMBA	7.109	7.636	8092.2E6	3397.0E6	700.173	718.482
6) T	MCPD	7.288	7.745	549.4E6	129.5E6	75.436	70.384
7) T	MCPA	7.430	7.975	724.1E6	171.7E6	69.758	65.077
8) T	DICHLORPROP	7.789	8.329	2010.7E6	814.4E6	688.272	689.297
9) T	2,4-D	8.008	8.641	2264.9E6	917.4E6	690.733	710.882
10) T	Pentachlo...	8.286	9.141	28886.5E6	18028.4E6	713.233	730.340
11) T	2,4,5-TP ...	8.849	9.519	11460.4E6	7121.8E6	707.607	722.990
12) T	2,4,5-T	9.131	9.923	11688.3E6	6625.7E6	707.730	719.899
13) T	2,4-DB	9.689	10.481	1966.4E6	661.2E6	753.459	666.277
14) T	DINOSEB	10.850	10.855	7795.4E6	4796.0E6	681.631	701.991
15) T	Picloram	10.670	11.890	15214.0E6	10872.0E6	711.368	772.534m
16) T	DCPA	11.151	11.887	13929.4E6	9431.3E6	699.568	698.073m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:06
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

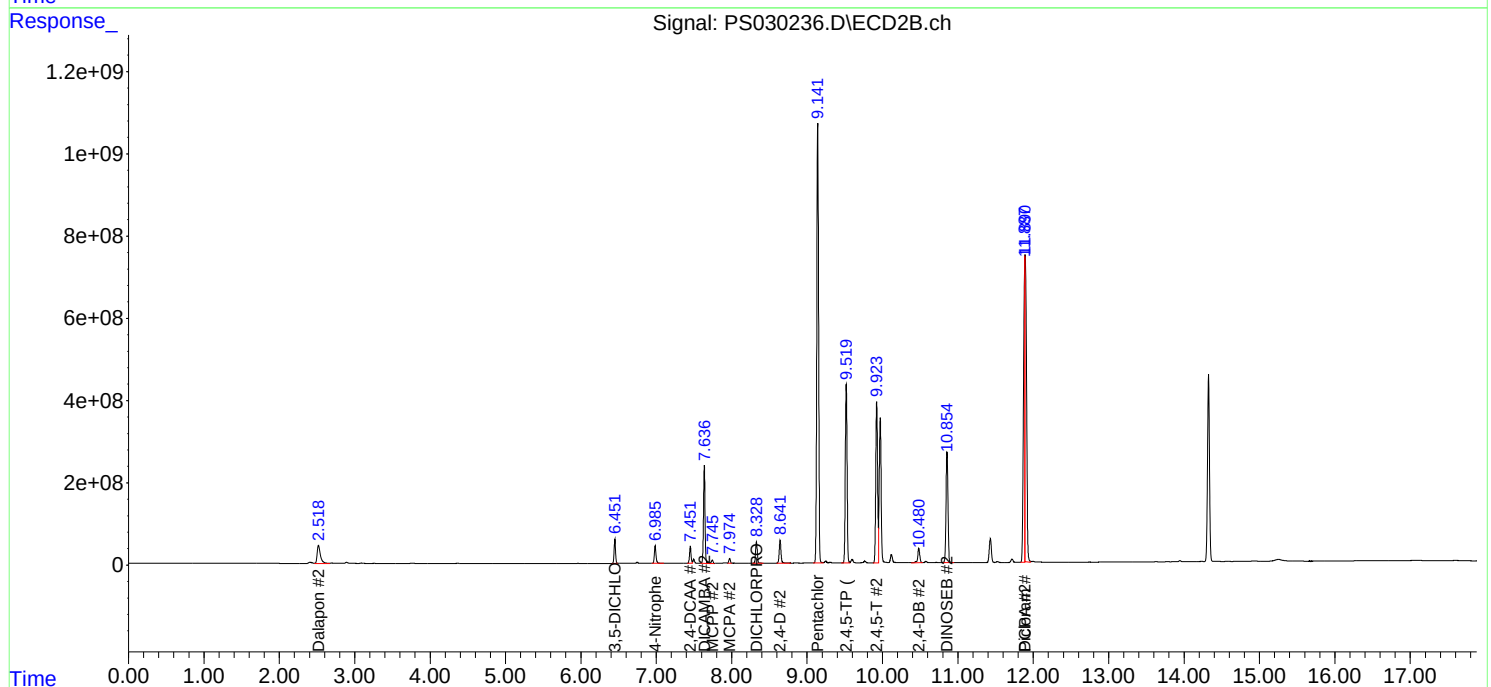
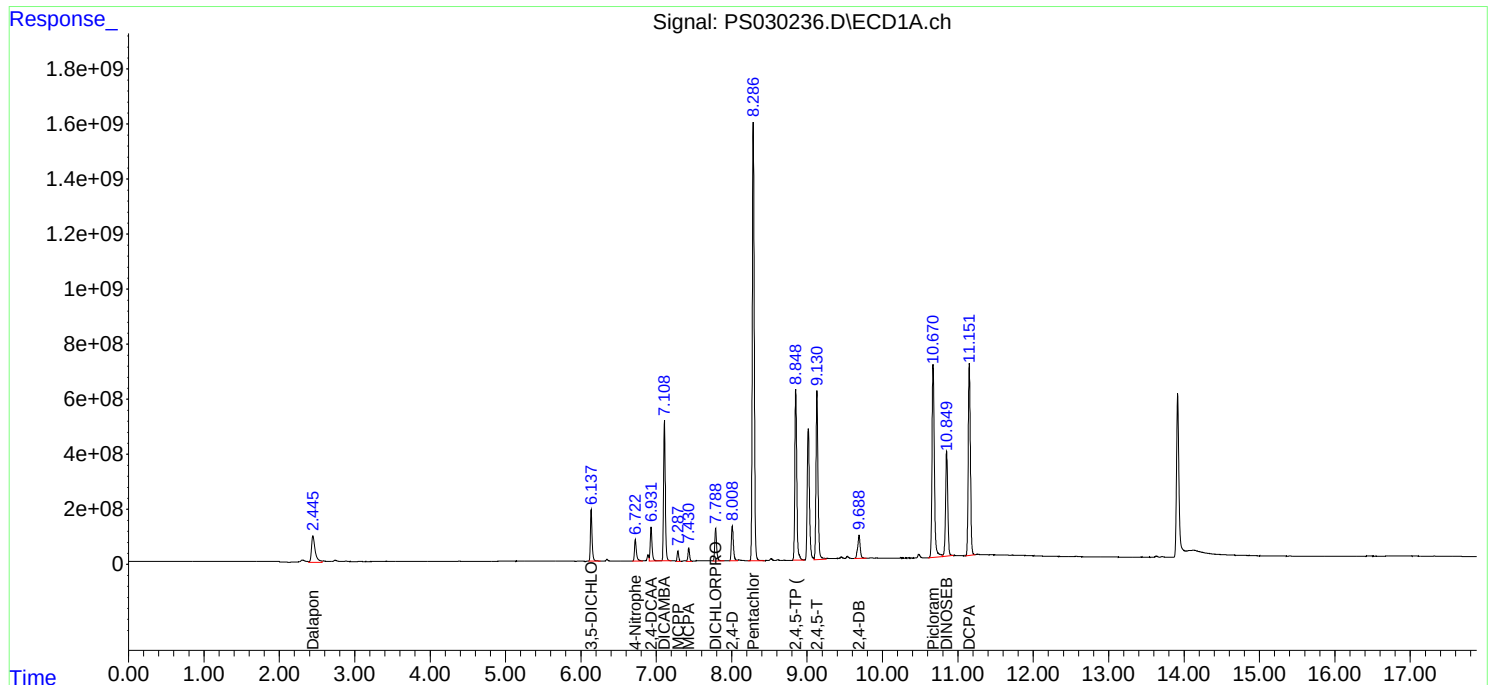
APPROVED

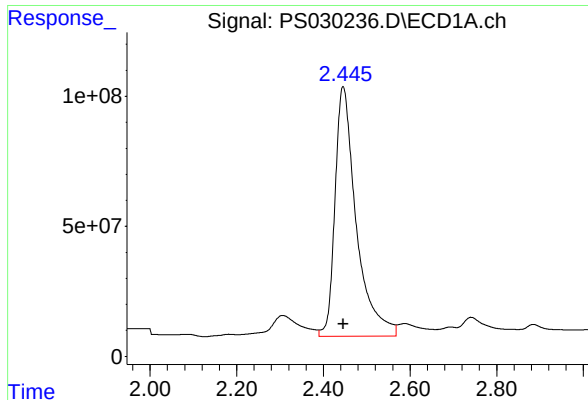
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:19:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Dalapon

R.T.: 2.446 min
 Delta R.T.: 0.000 min
 Response: 3262487905
 Conc: 663.73 ng/ml

Instrument :

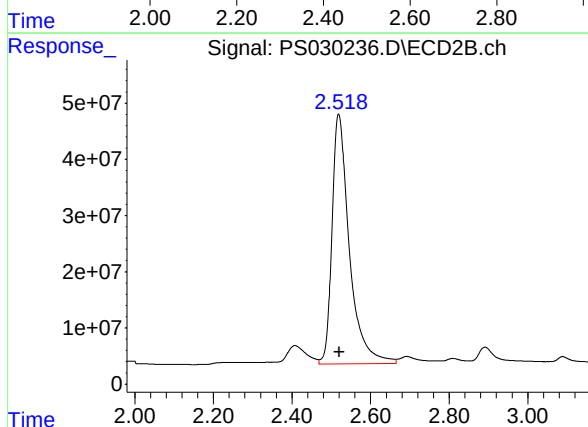
ECD_S

ClientSampleId :

HSTDCCC750

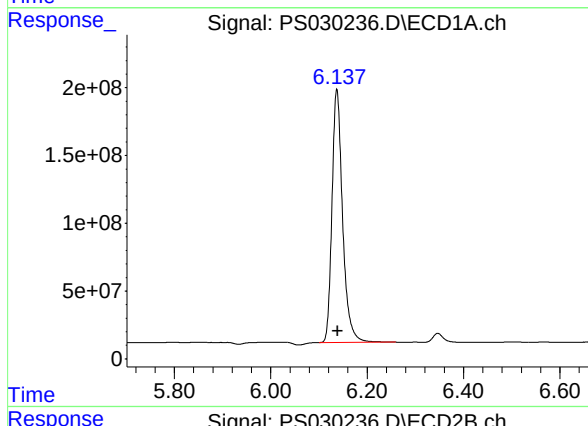
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/16/2025
 Supervised By :mohammad ahmed 05/20/2025



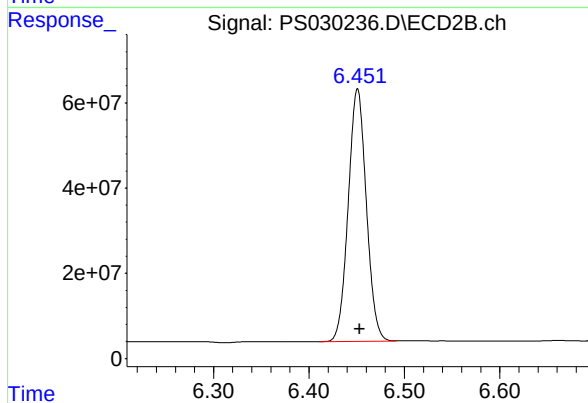
#1 Dalapon

R.T.: 2.519 min
 Delta R.T.: -0.001 min
 Response: 1361924349
 Conc: 670.55 ng/ml



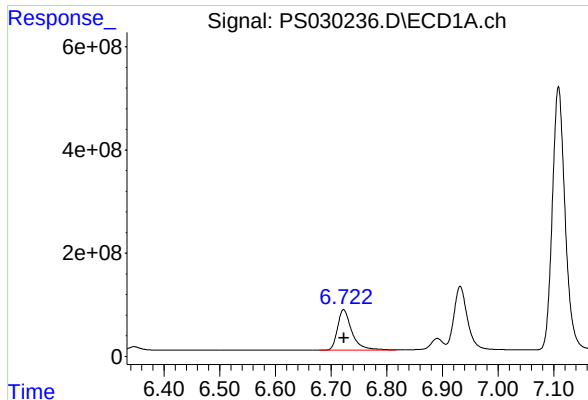
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.137 min
 Delta R.T.: -0.001 min
 Response: 2843577490
 Conc: 681.82 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.451 min
 Delta R.T.: -0.002 min
 Response: 782556701
 Conc: 671.24 ng/ml



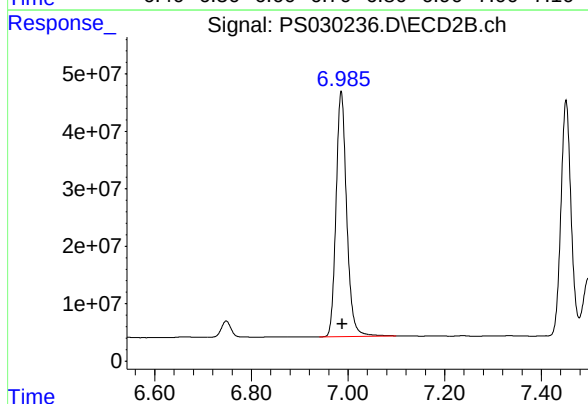
#3 4-Nitrophenol

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 1399973086
Conc: 677.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

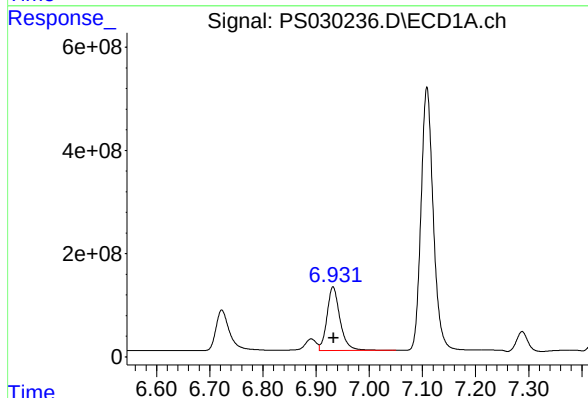
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



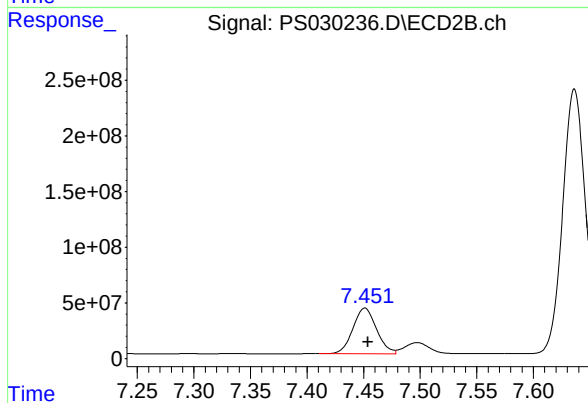
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.003 min
Response: 649737880
Conc: 622.34 ng/ml



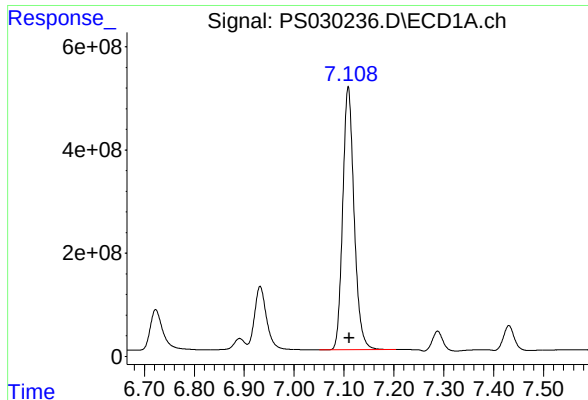
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 2091410731
Conc: 734.39 ng/ml



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 594736576
Conc: 743.23 ng/ml



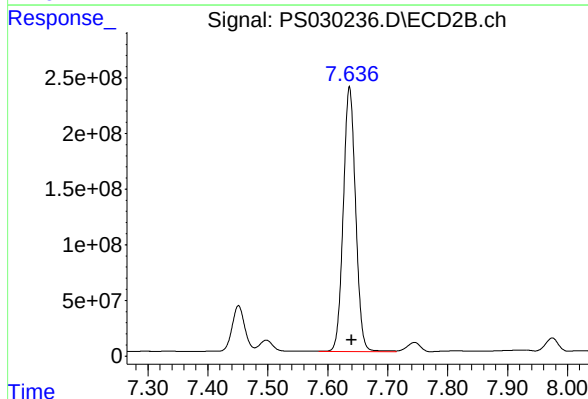
#5 DICAMBA

R.T.: 7.109 min
Delta R.T.: -0.002 min
Response: 8092159153
Conc: 700.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

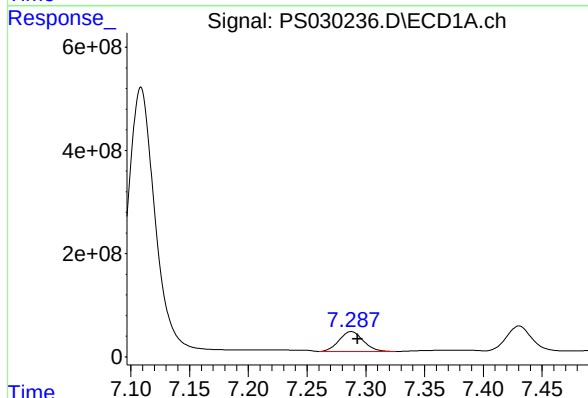
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



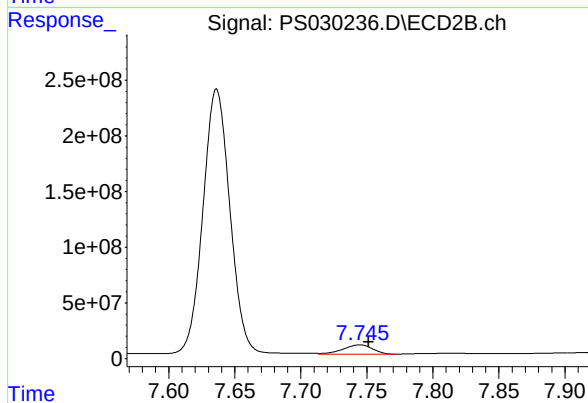
#5 DICAMBA

R.T.: 7.636 min
Delta R.T.: -0.004 min
Response: 3396967833
Conc: 718.48 ng/ml



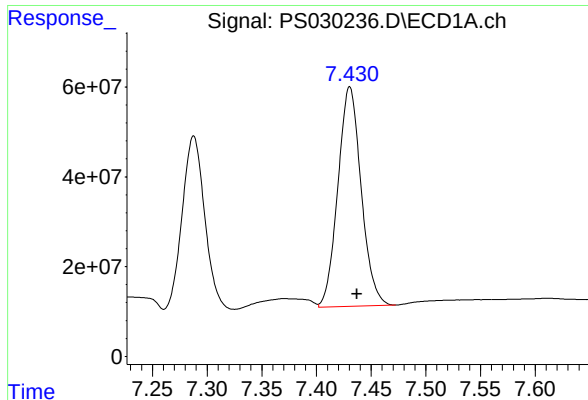
#6 MCPP

R.T.: 7.288 min
Delta R.T.: -0.005 min
Response: 549374371
Conc: 75.44 ug/ml



#6 MCPP

R.T.: 7.745 min
Delta R.T.: -0.007 min
Response: 129490755
Conc: 70.38 ug/ml



#7 MCPA

R.T.: 7.430 min
Delta R.T.: -0.006 min
Response: 724148944
Conc: 69.76 ug/ml

Instrument :

ECD_S

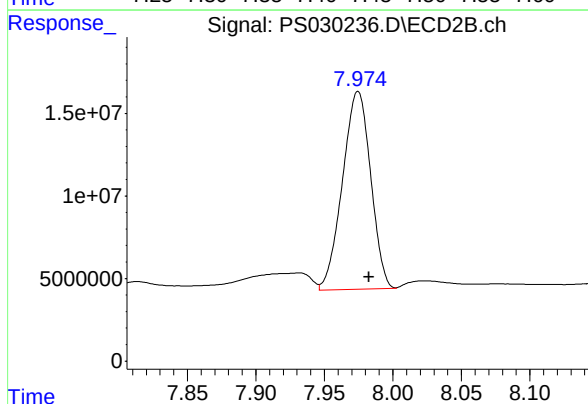
ClientSampleId :

HSTDCCC750

Manual Integrations
APPROVED

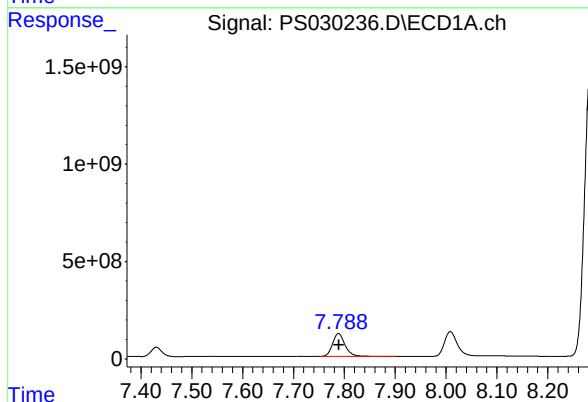
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025



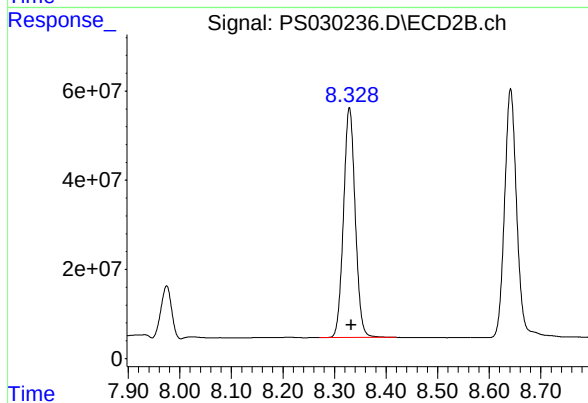
#7 MCPA

R.T.: 7.975 min
Delta R.T.: -0.008 min
Response: 171651593
Conc: 65.08 ug/ml



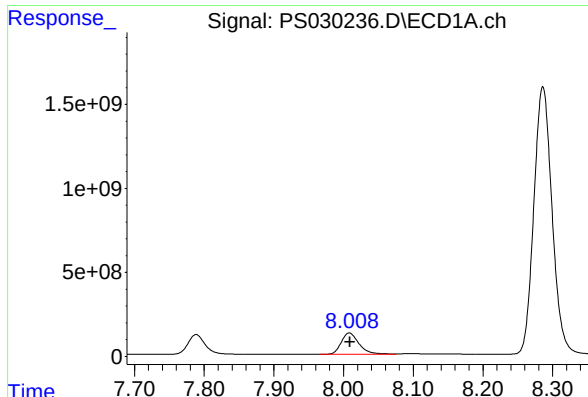
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 2010679890
Conc: 688.27 ng/ml



#8 DICHLORPROP

R.T.: 8.329 min
Delta R.T.: -0.004 min
Response: 814358017
Conc: 689.30 ng/ml



#9 2,4-D

R.T.: 8.008 min
Delta R.T.: 0.000 min
Response: 2264870721
Conc: 690.73 ng/ml

Instrument :

ECD_S

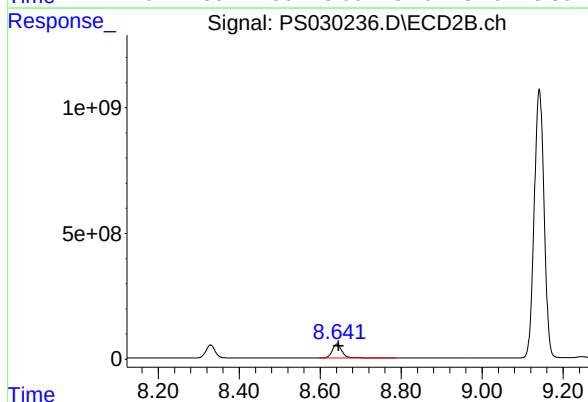
ClientSampleId :

HSTDCCC750

Manual Integrations
APPROVED

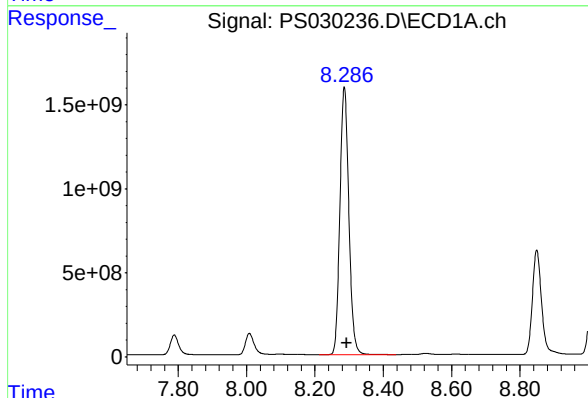
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025



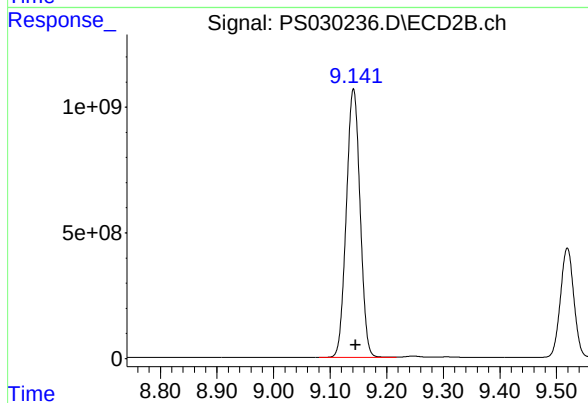
#9 2,4-D

R.T.: 8.641 min
Delta R.T.: -0.004 min
Response: 917393222
Conc: 710.88 ng/ml



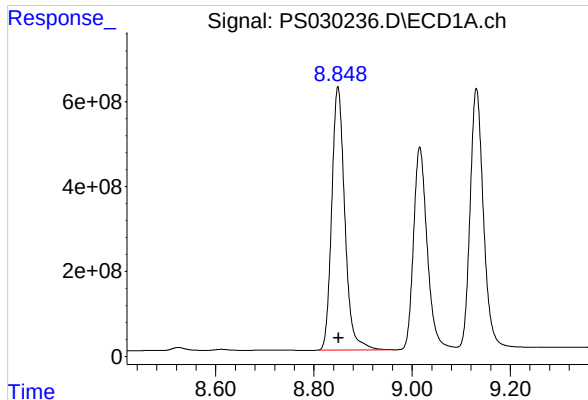
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: -0.007 min
Response: 28886495671
Conc: 713.23 ng/ml



#10 Pentachlorophenol

R.T.: 9.141 min
Delta R.T.: -0.004 min
Response: 18028419638
Conc: 730.34 ng/ml



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

R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 11460400801
Conc: 707.61 ng/ml

Instrument :

ECD_S

ClientSampleId :

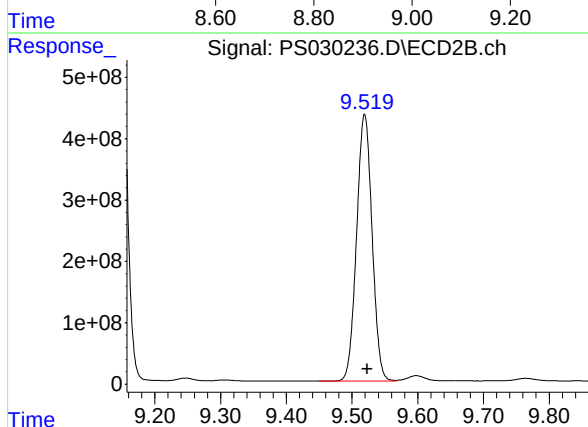
HSTDCCC750

Manual Integrations

APPROVED

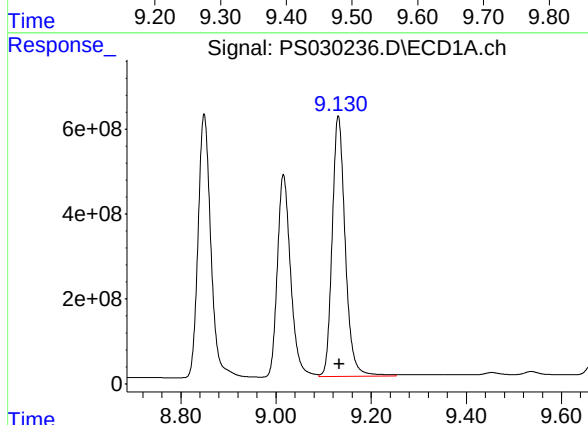
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025



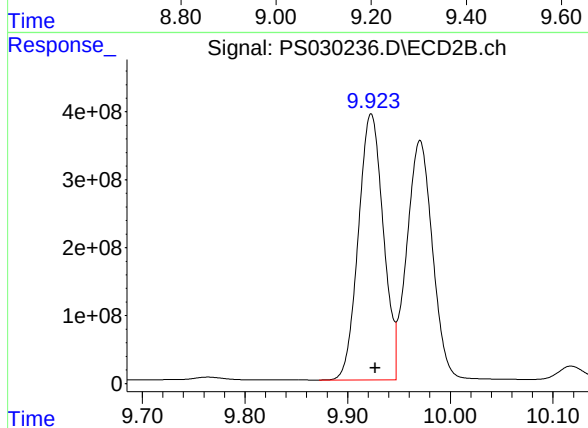
#11 2,4,5-TP (SILVEX)

R.T.: 9.519 min
Delta R.T.: -0.004 min
Response: 7121762550
Conc: 722.99 ng/ml



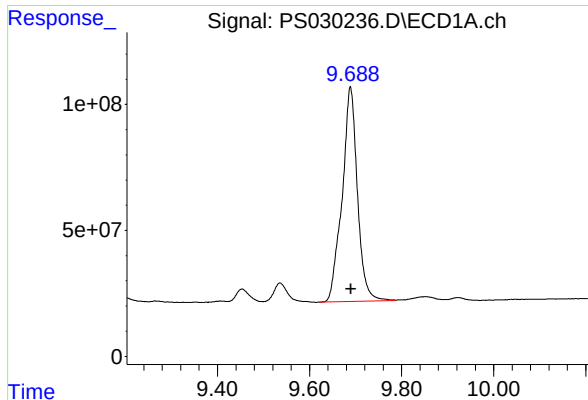
#12 2,4,5-T

R.T.: 9.131 min
Delta R.T.: -0.002 min
Response: 11688298434
Conc: 707.73 ng/ml



#12 2,4,5-T

R.T.: 9.923 min
Delta R.T.: -0.004 min
Response: 6625666127
Conc: 719.90 ng/ml



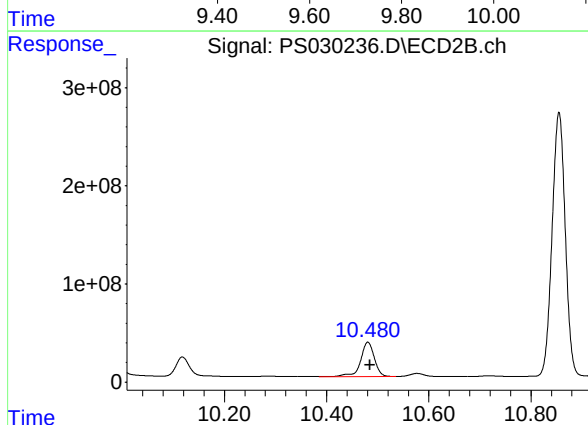
#13 2,4-DB

R.T.: 9.689 min
Delta R.T.: -0.001 min
Response: 1966356250
Conc: 753.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

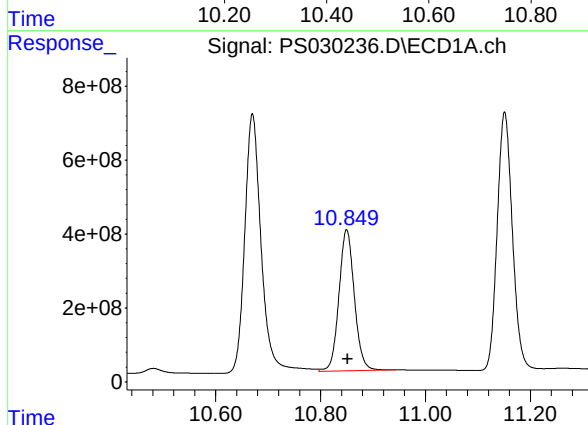
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



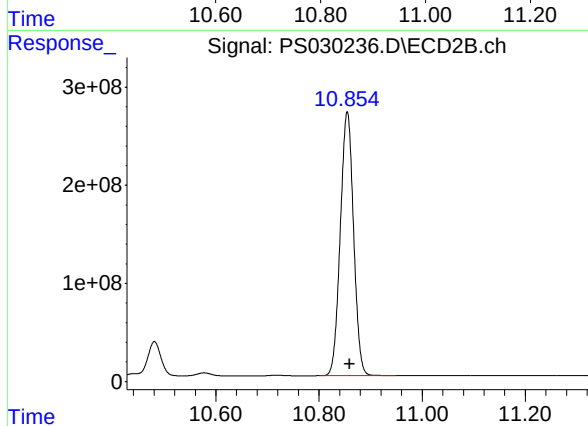
#13 2,4-DB

R.T.: 10.481 min
Delta R.T.: -0.004 min
Response: 661194801
Conc: 666.28 ng/ml



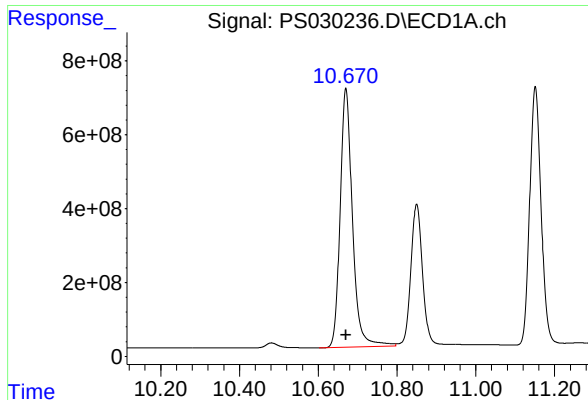
#14 DINOSEB

R.T.: 10.850 min
Delta R.T.: -0.002 min
Response: 7795378038
Conc: 681.63 ng/ml



#14 DINOSEB

R.T.: 10.855 min
Delta R.T.: -0.004 min
Response: 4795989292
Conc: 701.99 ng/ml



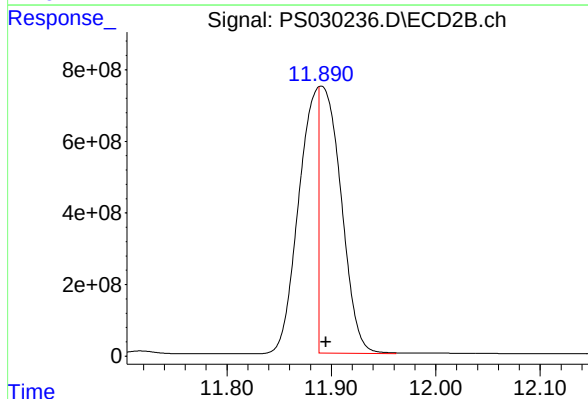
#15 Picloram

R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 15214004644
Conc: 711.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

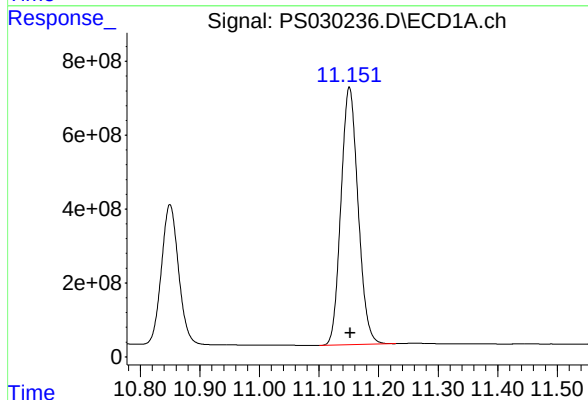
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



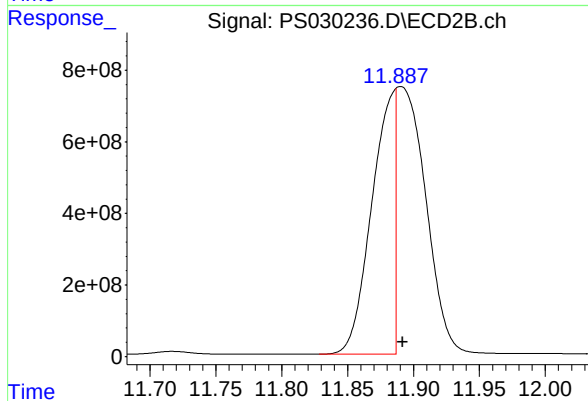
#15 Picloram

R.T.: 11.890 min
Delta R.T.: -0.005 min
Response: 10871960653
Conc: 772.53 ng/ml m



#16 DCPA

R.T.: 11.151 min
Delta R.T.: -0.002 min
Response: 13929446063
Conc: 699.57 ng/ml



#16 DCPA

R.T.: 11.887 min
Delta R.T.: -0.005 min
Response: 9431330213
Conc: 698.07 ng/ml m



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Continuing Calib Date: 05/15/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 20:55 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
Dalapon	2.45	2.45	2.35	2.55	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Continuing Calib Date: 05/15/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 20:55 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
Dalapon	2.52	2.52	2.42	2.62	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.86	10.86	10.76	10.96	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL02 Date Analyzed: 05/15/2025

Lab Sample No.: HSTDCCC750 Data File : PS030248.D Time Analyzed: 20:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.131	9.033	9.233	717.030	712.500	0.6
2,4,5-TP(Silvex)	8.849	8.750	8.950	713.490	712.500	0.1
2,4-D	8.009	7.910	8.110	700.350	705.000	-0.7
2,4-DB	9.689	9.589	9.789	764.870	712.500	7.4
2,4-DCAA	6.933	6.834	7.034	740.230	750.000	-1.3
Dalapon	2.446	2.346	2.546	669.050	682.500	-2.0
DICAMBA	7.109	7.010	7.210	704.680	705.000	0.0
DICHLORPROP	7.789	7.689	7.889	694.060	705.000	-1.6
Dinoseb	10.849	10.751	10.951	699.880	705.000	-0.7



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL02 Date Analyzed: 05/15/2025

Lab Sample No.: HSTDCCC750 Data File : PS030248.D Time Analyzed: 20:55

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.924	9.826	10.026	722.850	712.500	1.5
2,4,5-TP(Silvex)	9.520	9.423	9.623	726.910	712.500	2.0
2,4-D	8.642	8.544	8.744	719.140	705.000	2.0
2,4-DB	10.481	10.385	10.585	644.470	712.500	-9.5
2,4-DCAA	7.452	7.354	7.554	751.940	750.000	0.3
Dalapon	2.520	2.420	2.620	671.680	682.500	-1.6
DICAMBA	7.637	7.539	7.739	723.820	705.000	2.7
DICHLORPROP	8.330	8.232	8.432	696.240	705.000	-1.2
Dinoseb	10.855	10.758	10.958	712.020	705.000	1.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030248.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 20:55
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:20:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.452	2108.0E6	601.7E6	740.233	751.944
Target Compounds							
1) T	Dalapon	2.446	2.520	3288.6E6	1364.2E6	669.051	671.681
2) T	3,5-DICHL...	6.137	6.451	2864.4E6	787.2E6	686.826	675.226
3) T	4-Nitroph...	6.723	6.987	1419.1E6	659.1E6	687.027	631.329
5) T	DICAMBA	7.109	7.637	8144.3E6	3422.2E6	704.681	723.824
6) T	MCPD	7.288	7.745	513.3E6	131.0E6	70.486	71.190
7) T	MCPA	7.431	7.975	731.8E6	178.0E6	70.495	67.501
8) T	DICHLORPROP	7.789	8.330	2027.6E6	822.6E6	694.058	696.238
9) T	2,4-D	8.009	8.642	2296.4E6	928.0E6	700.346	719.139
10) T	Pentachlo...	8.286	9.142	29157.7E6	18178.2E6	719.930	736.407
11) T	2,4,5-TP ...	8.849	9.520	11555.6E6	7160.3E6	713.486	726.906
12) T	2,4,5-T	9.131	9.924	11841.8E6	6652.8E6	717.027	722.852
13) T	2,4-DB	9.689	10.481	1996.1E6	639.6E6	764.871	644.472
14) T	DINOSEB	10.849	10.855	8004.1E6	4864.5E6	699.878	712.015
15) T	Picloram	10.669	11.892	15349.6E6	9602.5E6	717.708	682.330m
16) T	DCPA	11.151	11.888	14243.4E6	9839.3E6	715.338	728.272m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 20:55
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

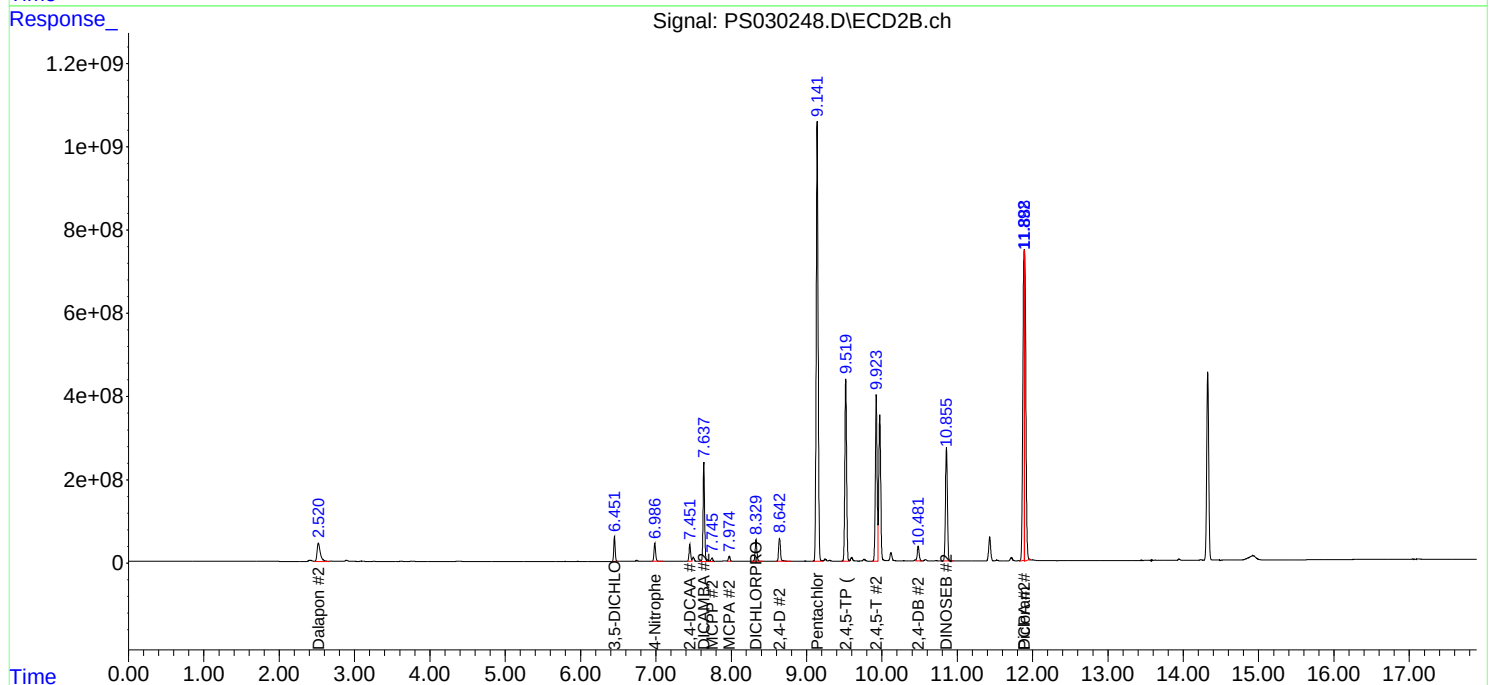
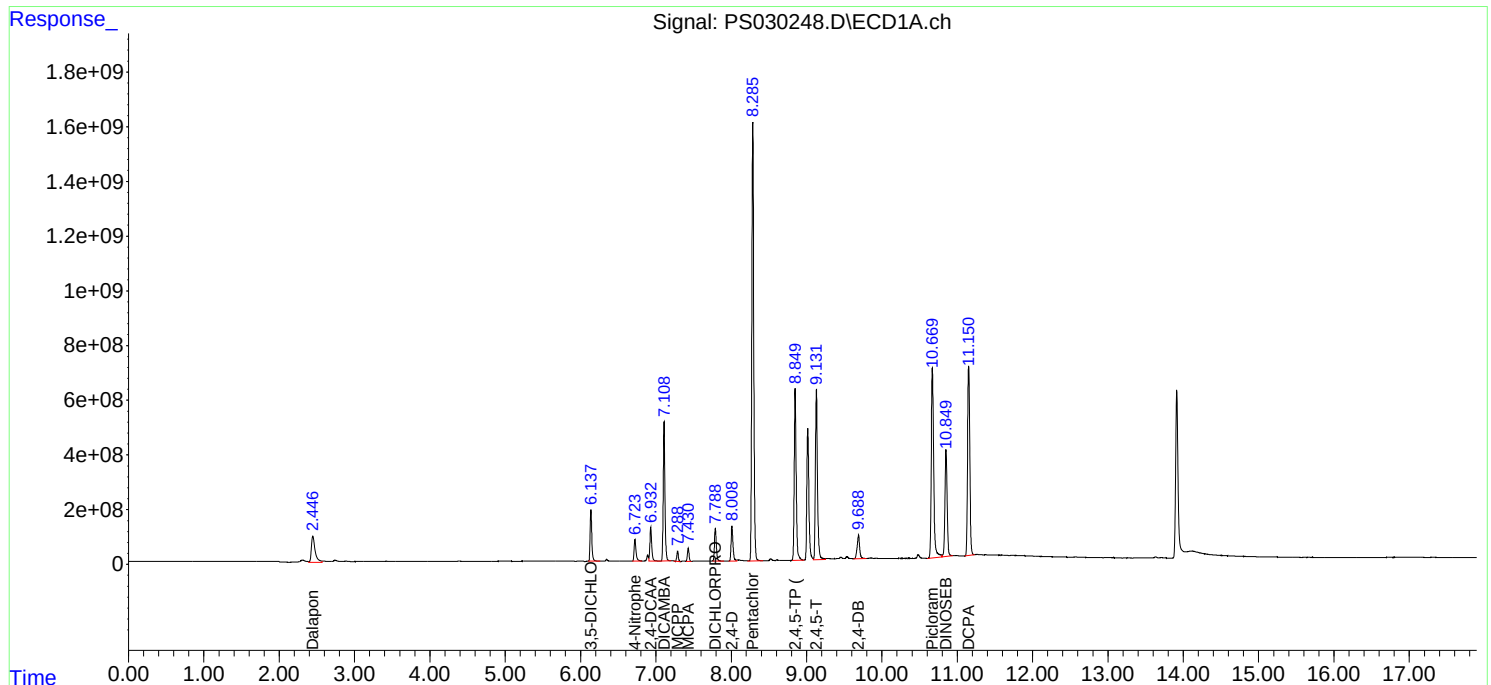
APPROVED

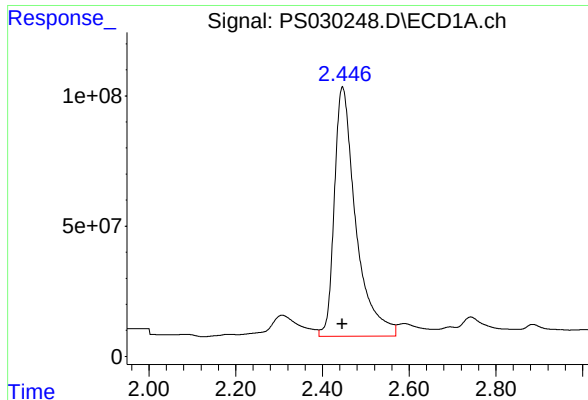
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:20:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Dalapon

R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 3288625147
Conc: 669.05 ng/ml

Instrument :

ECD_S

ClientSampleId :

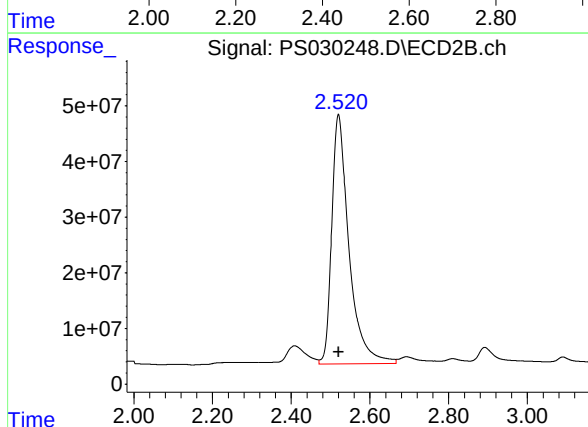
HSTDCCC750

Manual Integrations

APPROVED

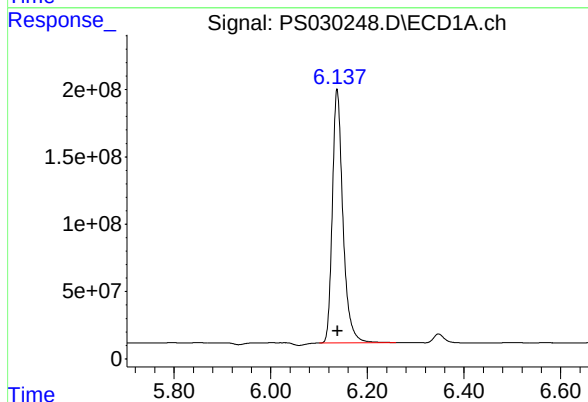
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025



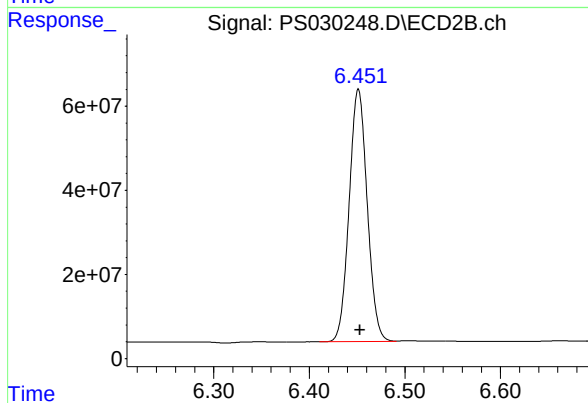
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 1364217501
Conc: 671.68 ng/ml



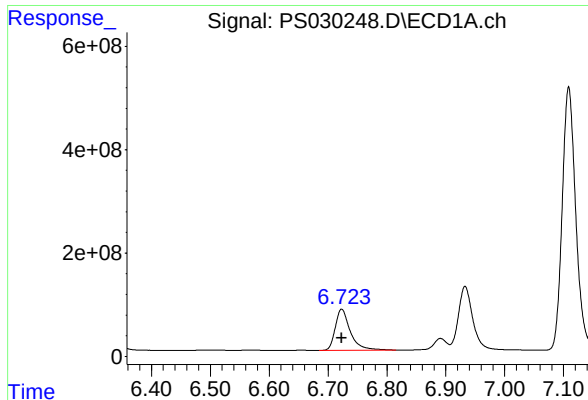
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.137 min
Delta R.T.: -0.001 min
Response: 2864444842
Conc: 686.83 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.451 min
Delta R.T.: -0.002 min
Response: 787198781
Conc: 675.23 ng/ml



#3 4-Nitrophenol

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 1419132845
Conc: 687.03 ng/ml

Instrument :

ECD_S

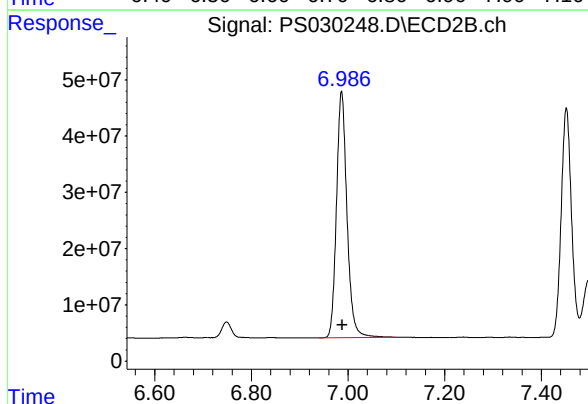
ClientSampleId :

HSTDCCC750

Manual Integrations
APPROVED

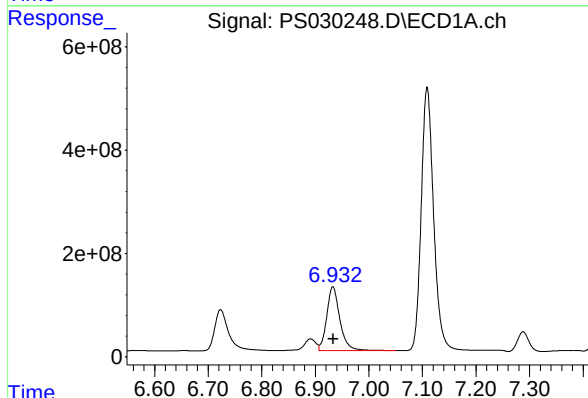
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025



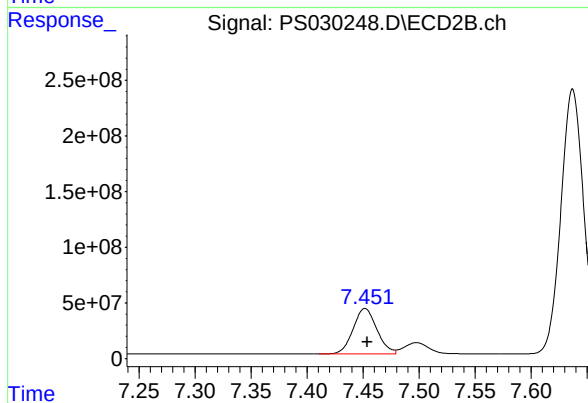
#3 4-Nitrophenol

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 659127287
Conc: 631.33 ng/ml



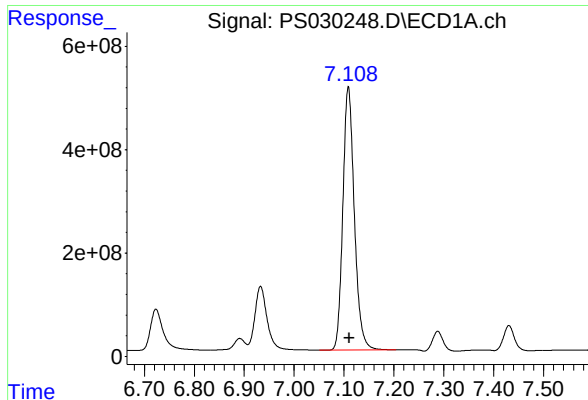
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 2108040894
Conc: 740.23 ng/ml



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 601708142
Conc: 751.94 ng/ml



#5 DICAMBA

R.T.: 7.109 min
Delta R.T.: -0.001 min
Response: 8144255680
Conc: 704.68 ng/ml

Instrument :

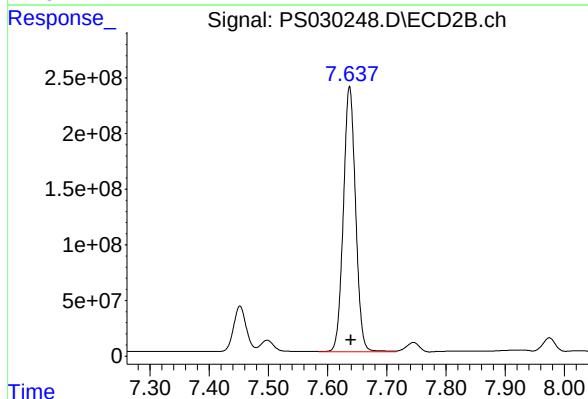
ECD_S

ClientSampleId :

HSTDCCC750

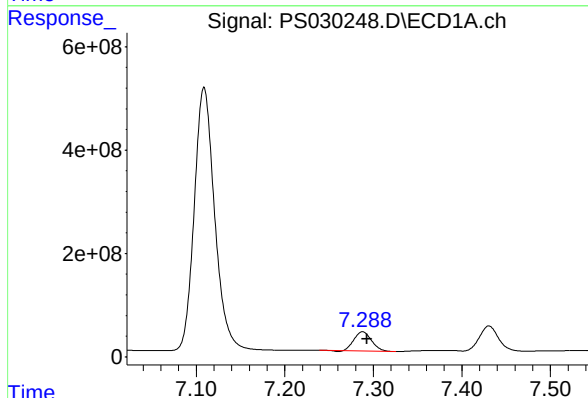
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



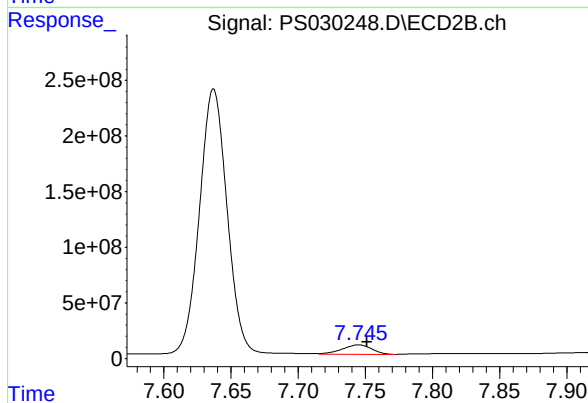
#5 DICAMBA

R.T.: 7.637 min
Delta R.T.: -0.003 min
Response: 3422224730
Conc: 723.82 ng/ml



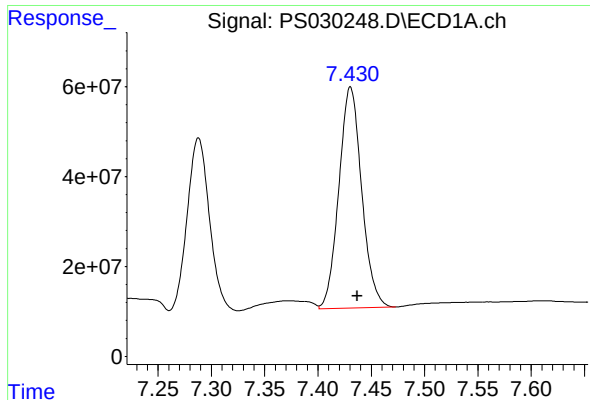
#6 MCPP

R.T.: 7.288 min
Delta R.T.: -0.005 min
Response: 513326719
Conc: 70.49 ug/ml



#6 MCPP

R.T.: 7.745 min
Delta R.T.: -0.006 min
Response: 130972667
Conc: 71.19 ug/ml



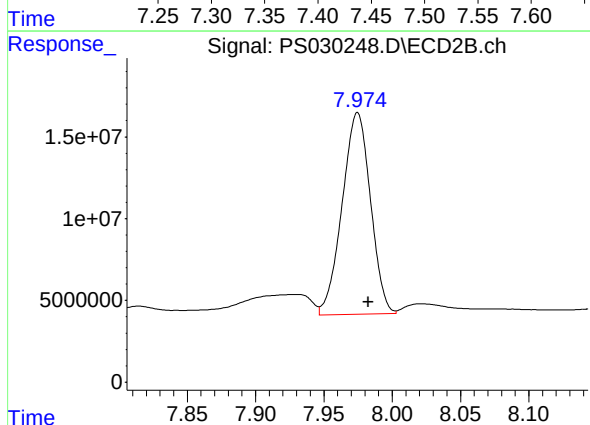
#7 MCPA

R.T.: 7.431 min
Delta R.T.: -0.006 min
Response: 731803500
Conc: 70.50 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

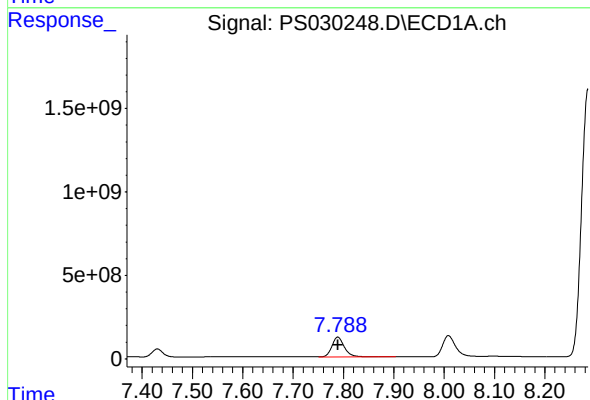
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



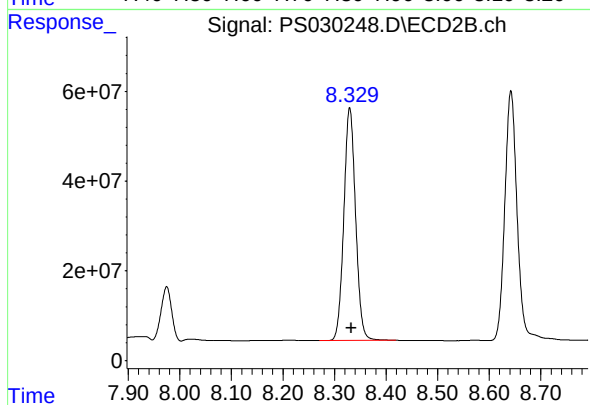
#7 MCPA

R.T.: 7.975 min
Delta R.T.: -0.008 min
Response: 178045534
Conc: 67.50 ug/ml



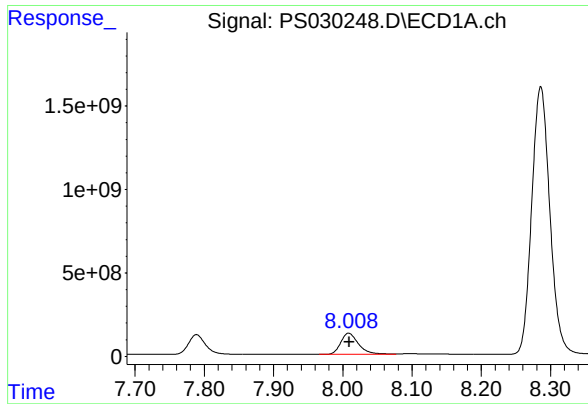
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 2027581270
Conc: 694.06 ng/ml



#8 DICHLORPROP

R.T.: 8.330 min
Delta R.T.: -0.003 min
Response: 822558963
Conc: 696.24 ng/ml



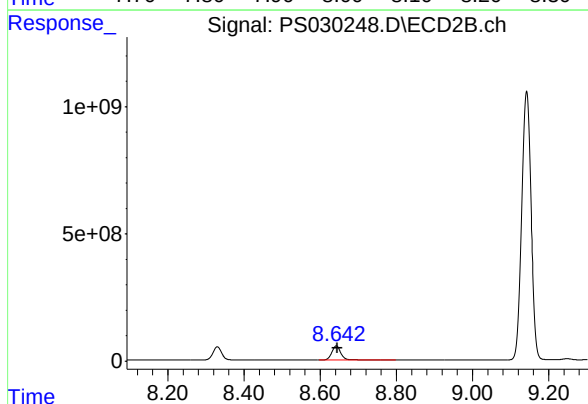
#9 2,4-D

R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 2296389103
Conc: 700.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

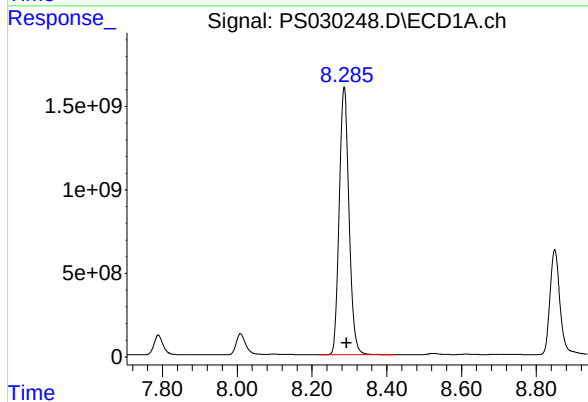
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



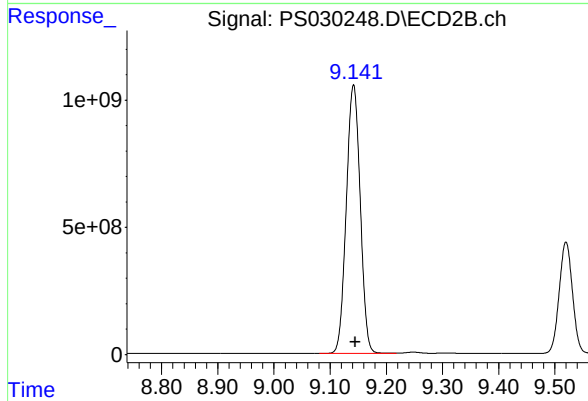
#9 2,4-D

R.T.: 8.642 min
Delta R.T.: -0.003 min
Response: 928049133
Conc: 719.14 ng/ml



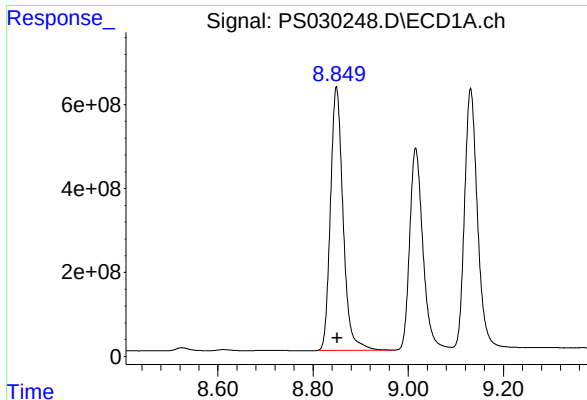
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: -0.007 min
Response: 29157703949
Conc: 719.93 ng/ml



#10 Pentachlorophenol

R.T.: 9.142 min
Delta R.T.: -0.003 min
Response: 18178178296
Conc: 736.41 ng/ml



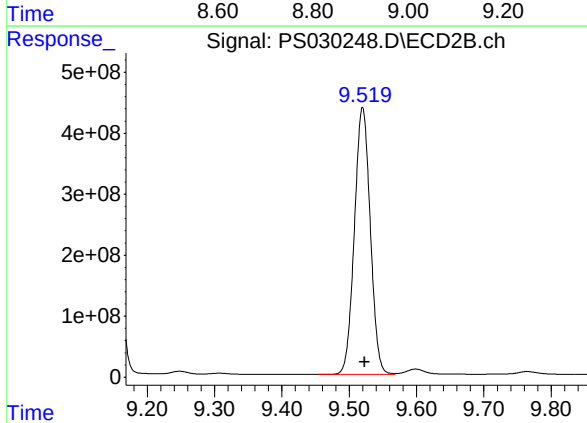
#11 2,4,5-TP (SILVEX)

R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 11555609684
Conc: 713.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

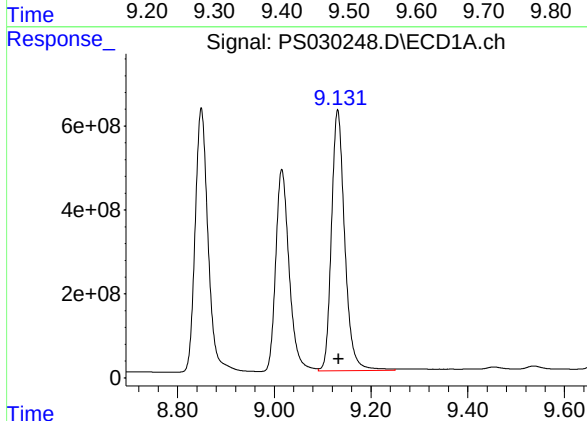
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



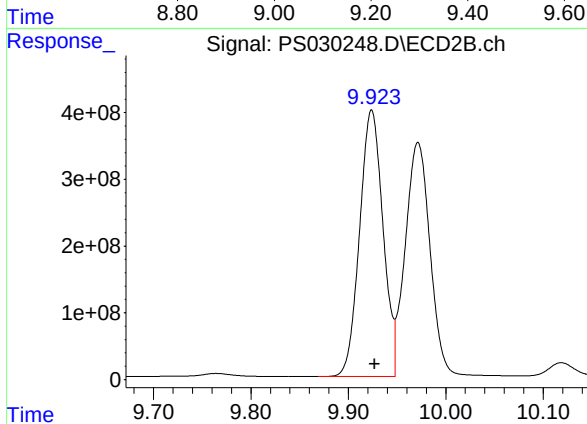
#11 2,4,5-TP (SILVEX)

R.T.: 9.520 min
Delta R.T.: -0.003 min
Response: 7160340461
Conc: 726.91 ng/ml



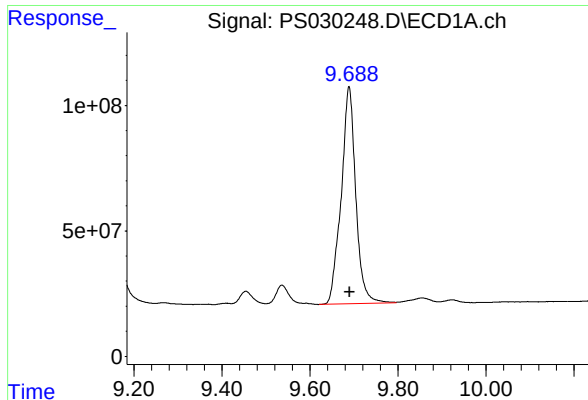
#12 2,4,5-T

R.T.: 9.131 min
Delta R.T.: -0.002 min
Response: 11841834096
Conc: 717.03 ng/ml



#12 2,4,5-T

R.T.: 9.924 min
Delta R.T.: -0.003 min
Response: 6652841706
Conc: 722.85 ng/ml



#13 2,4-DB

R.T.: 9.689 min
Delta R.T.: -0.001 min
Response: 1996140535
Conc: 764.87 ng/ml

Instrument :

ECD_S

ClientSampleId :

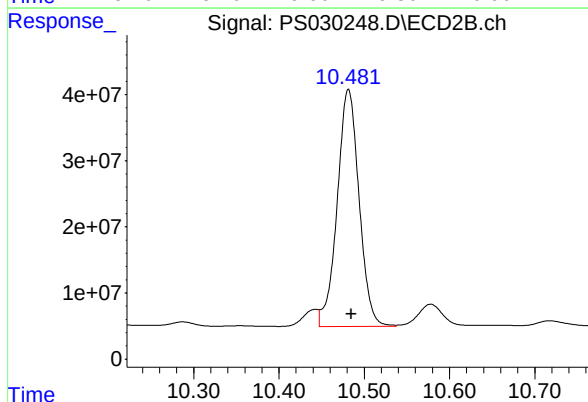
HSTDCCC750

Manual Integrations

APPROVED

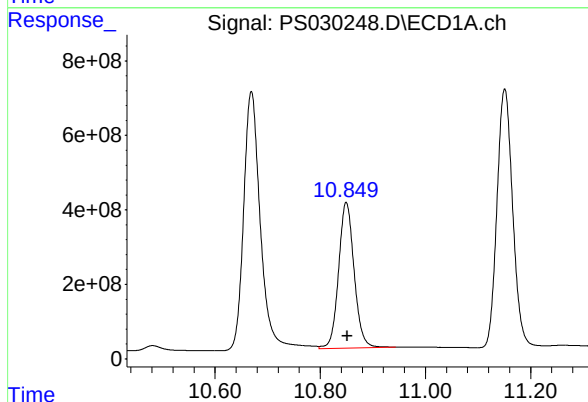
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025



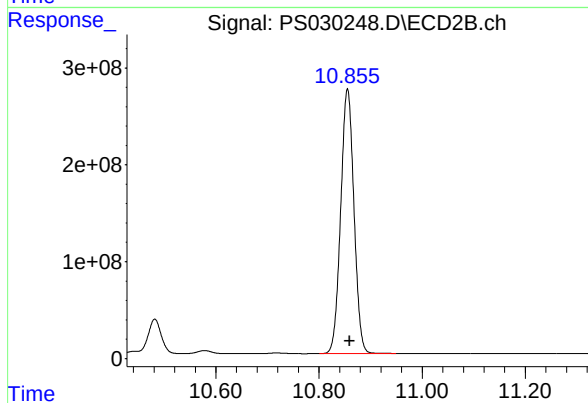
#13 2,4-DB

R.T.: 10.481 min
Delta R.T.: -0.004 min
Response: 639555758
Conc: 644.47 ng/ml



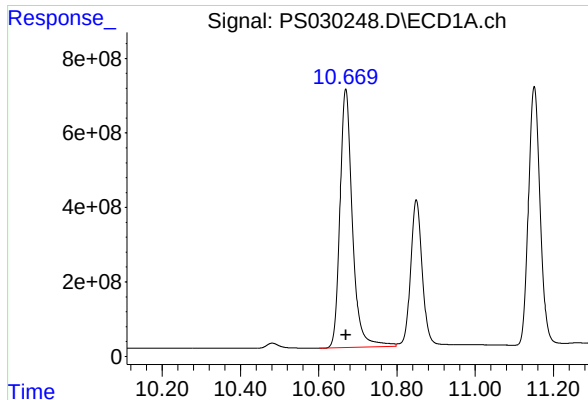
#14 DINOSEB

R.T.: 10.849 min
Delta R.T.: -0.002 min
Response: 8004056714
Conc: 699.88 ng/ml



#14 DINOSEB

R.T.: 10.855 min
Delta R.T.: -0.004 min
Response: 4864476280
Conc: 712.02 ng/ml



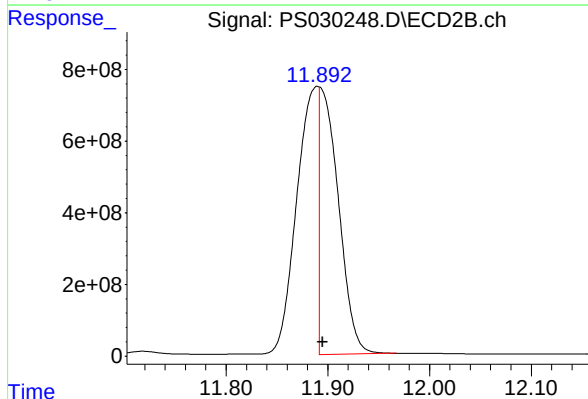
#15 Picloram

R.T.: 10.669 min
Delta R.T.: -0.001 min
Response: 15349601387
Conc: 717.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

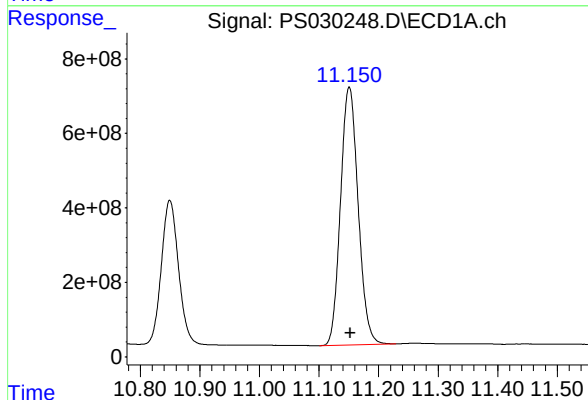
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



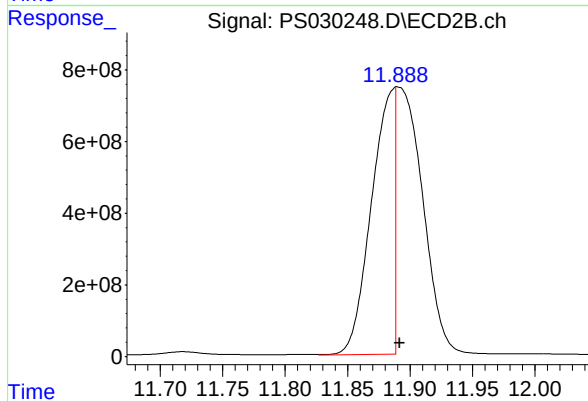
#15 Picloram

R.T.: 11.892 min
Delta R.T.: -0.003 min
Response: 9602507110
Conc: 682.33 ng/ml m



#16 DCPA

R.T.: 11.151 min
Delta R.T.: -0.002 min
Response: 14243444459
Conc: 715.34 ng/ml



#16 DCPA

R.T.: 11.888 min
Delta R.T.: -0.003 min
Response: 9839334814
Conc: 728.27 ng/ml m



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Continuing Calib Date: 05/16/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 00:08 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
Dalapon	2.45	2.45	2.35	2.55	0.01
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Continuing Calib Date: 05/16/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 00:08 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
Dalapon	2.52	2.52	2.42	2.62	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.85	10.86	10.76	10.96	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL03 Date Analyzed: 05/16/2025

Lab Sample No.: HSTDCCC750 Data File : PS030256.D Time Analyzed: 00:08

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.130	9.033	9.233	702.140	712.500	-1.5
2,4,5-TP(Silvex)	8.849	8.750	8.950	693.670	712.500	-2.6
2,4-D	8.008	7.910	8.110	691.170	705.000	-2.0
2,4-DB	9.688	9.589	9.789	759.510	712.500	6.6
2,4-DCAA	6.932	6.834	7.034	735.910	750.000	-1.9
Dalapon	2.445	2.346	2.546	680.410	682.500	-0.3
DICAMBA	7.109	7.010	7.210	702.910	705.000	-0.3
DICHLORPROP	7.788	7.689	7.889	685.810	705.000	-2.7
Dinoseb	10.850	10.751	10.951	669.500	705.000	-5.0



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL03 Date Analyzed: 05/16/2025

Lab Sample No.: HSTDCCC750 Data File : PS030256.D Time Analyzed: 00:08

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.923	9.826	10.026	733.260	712.500	2.9
2,4,5-TP(Silvex)	9.520	9.423	9.623	736.130	712.500	3.3
2,4-D	8.641	8.544	8.744	721.030	705.000	2.3
2,4-DB	10.480	10.385	10.585	668.440	712.500	-6.2
2,4-DCAA	7.452	7.354	7.554	761.370	750.000	1.5
Dalapon	2.519	2.420	2.620	683.660	682.500	0.2
DICAMBA	7.637	7.539	7.739	736.130	705.000	4.4
DICHLORPROP	8.329	8.232	8.432	702.280	705.000	-0.4
Dinoseb	10.854	10.758	10.958	717.500	705.000	1.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030256.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 May 2025 00:08
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:21:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.932	7.452	2095.7E6	609.3E6	735.910	761.372
Target Compounds							
1) T	Dalapon	2.445	2.519	3344.5E6	1388.5E6	680.414	683.655
2) T	3,5-DICHL...	6.137	6.452	2882.7E6	800.5E6	691.207	686.595
3) T	4-Nitroph...	6.722	6.986	1421.2E6	668.3E6	688.037	640.100
5) T	DICAMBA	7.109	7.637	8123.7E6	3480.4E6	702.906	736.125
6) T	MCPD	7.288	7.745	551.4E6	129.3E6	75.709	70.271
7) T	MCPA	7.431	7.975	733.4E6	179.6E6	70.646	68.080
8) T	DICHLORPROP	7.788	8.329	2003.5E6	829.7E6	685.807	702.276
9) T	2,4-D	8.008	8.641	2266.3E6	930.5E6	691.167	721.031
10) T	Pentachlo...	8.285	9.141	28573.6E6	18383.2E6	705.507	744.712
11) T	2,4,5-TP ...	8.849	9.520	11234.7E6	7251.2E6	693.671	736.127
12) T	2,4,5-T	9.130	9.923	11595.9E6	6748.7E6	702.137	733.264
13) T	2,4-DB	9.688	10.480	1982.2E6	663.3E6	759.511	668.438
14) T	DINOSEB	10.850	10.854	7656.6E6	4902.0E6	669.497	717.504
15) T	Picloram	10.668	11.890	15380.8E6	9988.7E6	719.169	709.770m
16) T	DCPA	11.150	11.887	13622.8E6	9470.6E6	684.167	700.983m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 00:08
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

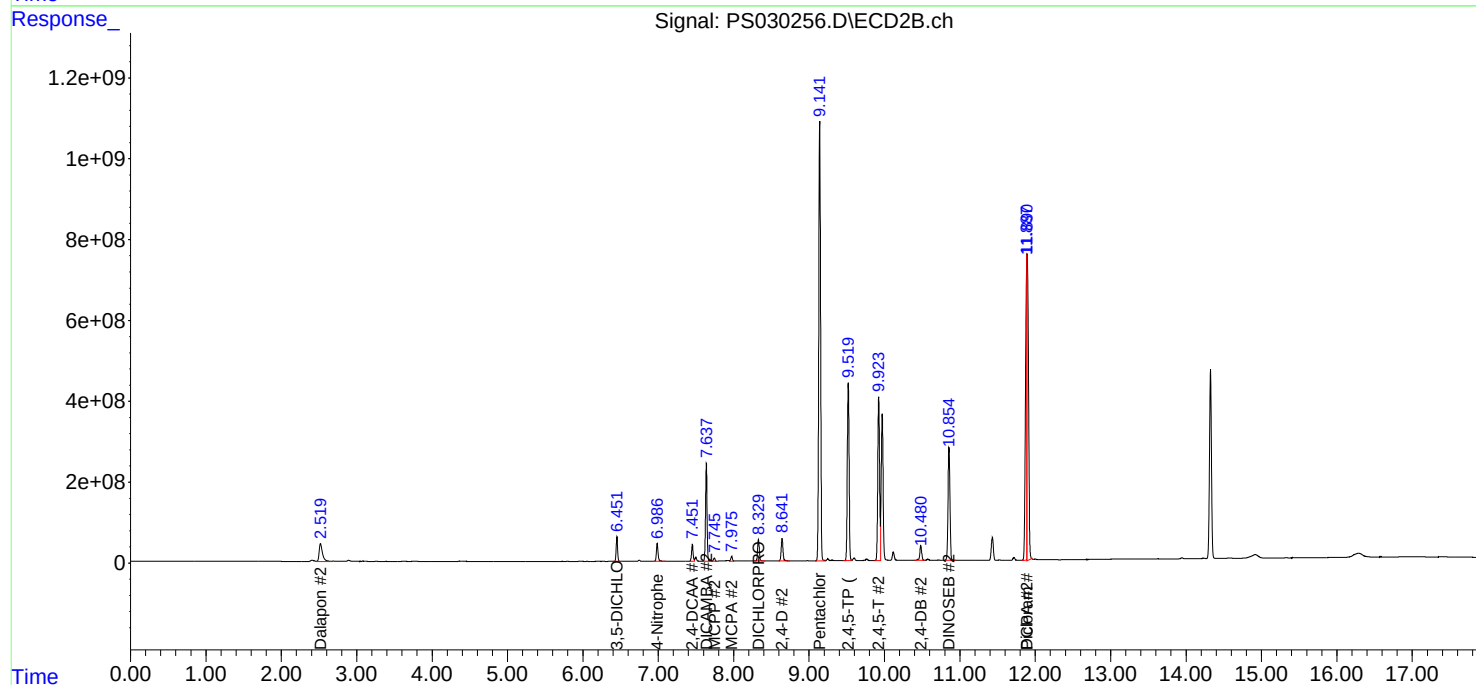
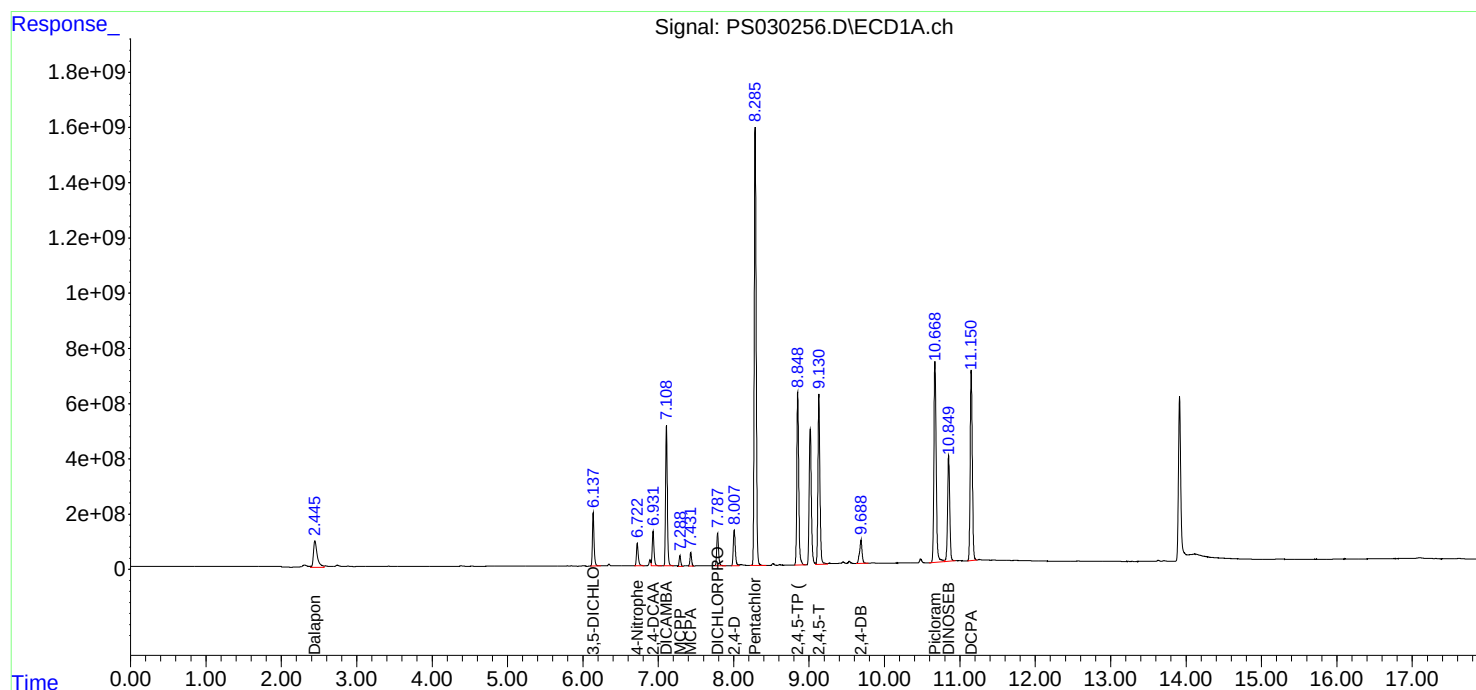
APPROVED

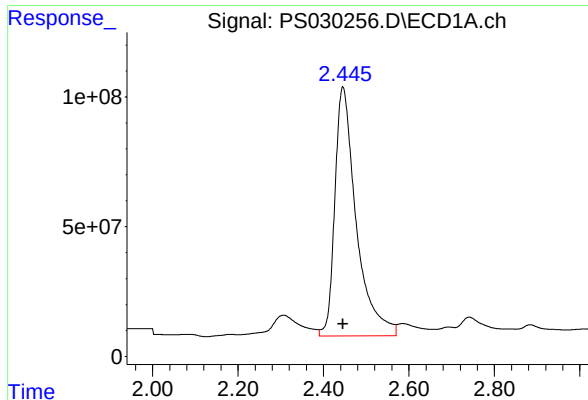
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:21:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Dalapon

R.T.: 2.445 min
Delta R.T.: 0.000 min
Response: 3344478278
Conc: 680.41 ng/ml

Instrument :

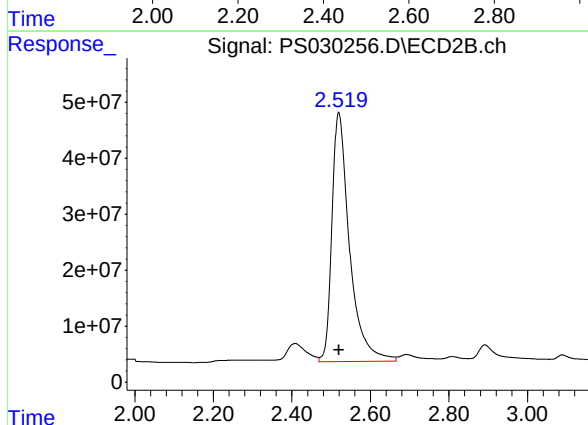
ECD_S

ClientSampleId :

HSTDCCC750

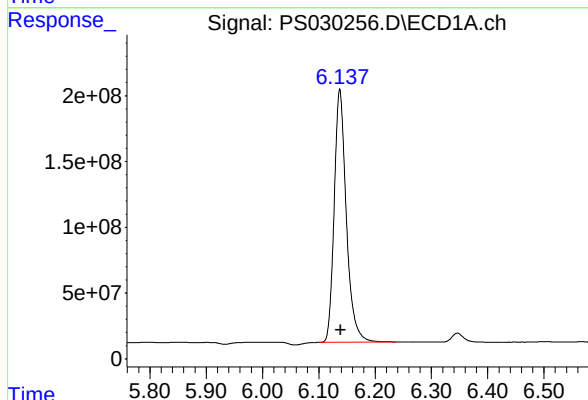
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



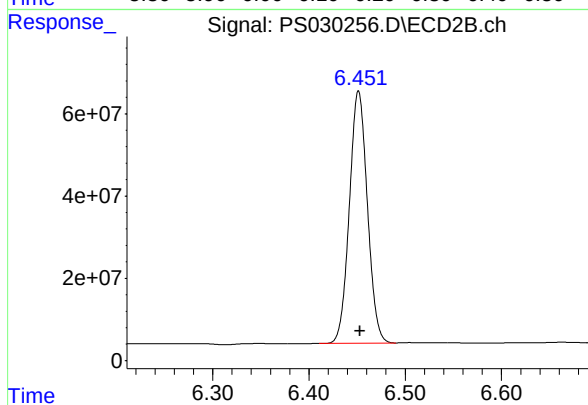
#1 Dalapon

R.T.: 2.519 min
Delta R.T.: -0.001 min
Response: 1388538284
Conc: 683.66 ng/ml



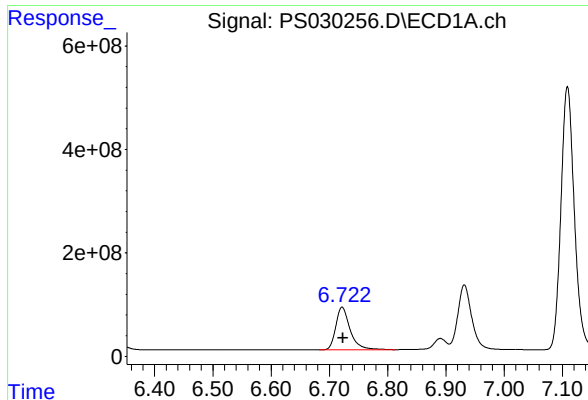
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.137 min
Delta R.T.: -0.001 min
Response: 2882715896
Conc: 691.21 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.452 min
Delta R.T.: -0.002 min
Response: 800452566
Conc: 686.59 ng/ml



#3 4-Nitrophenol

R.T.: 6.722 min
Delta R.T.: -0.002 min
Response: 1421219438
Conc: 688.04 ng/ml

Instrument :

ECD_S

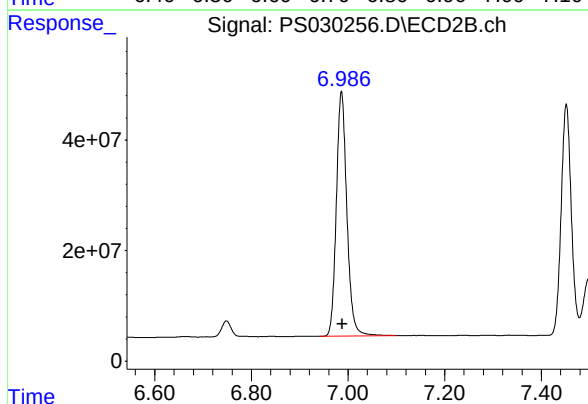
ClientSampleId :

HSTDCCC750

Manual Integrations
APPROVED

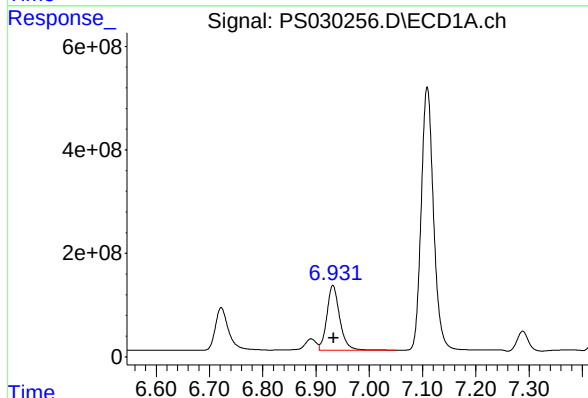
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025



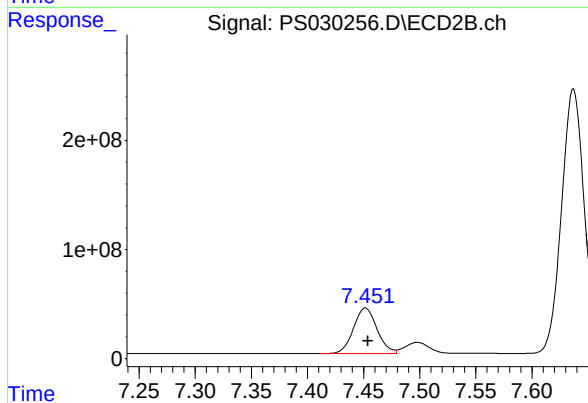
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 668285271
Conc: 640.10 ng/ml



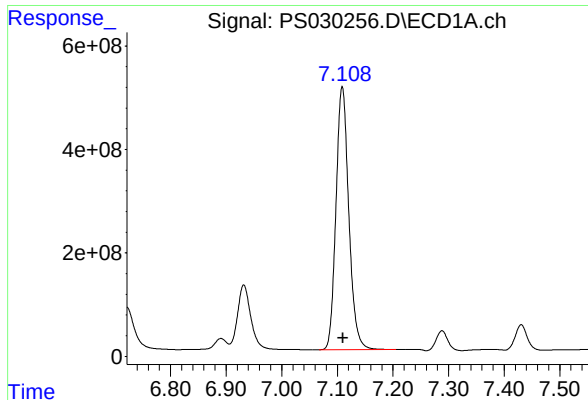
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 2095729595
Conc: 735.91 ng/ml



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 609252880
Conc: 761.37 ng/ml



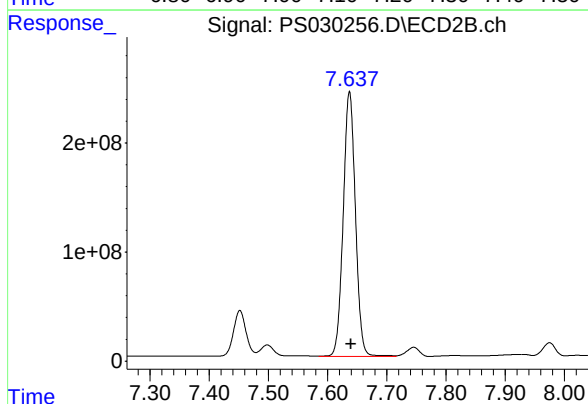
#5 DICAMBA

R.T.: 7.109 min
Delta R.T.: -0.001 min
Response: 8123738299
Conc: 702.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

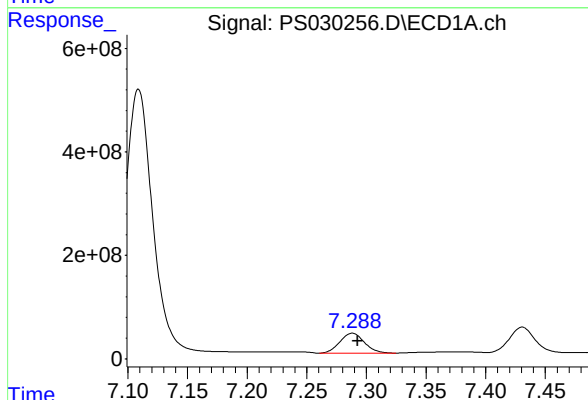
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



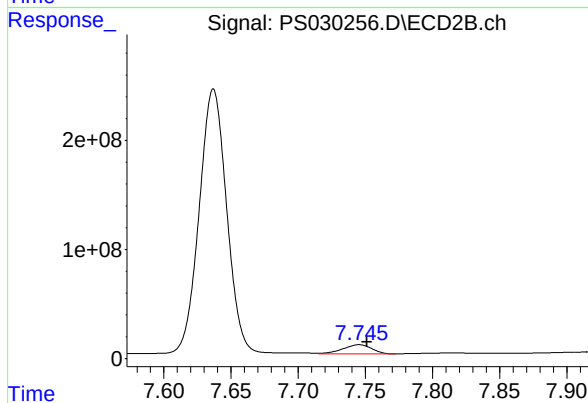
#5 DICAMBA

R.T.: 7.637 min
Delta R.T.: -0.003 min
Response: 3480383196
Conc: 736.13 ng/ml



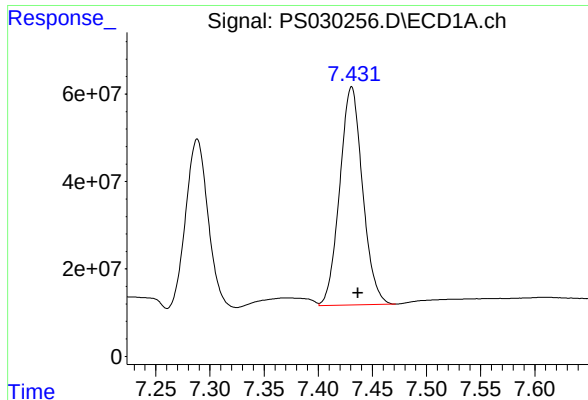
#6 MCPP

R.T.: 7.288 min
Delta R.T.: -0.005 min
Response: 551366506
Conc: 75.71 ug/ml



#6 MCPP

R.T.: 7.745 min
Delta R.T.: -0.006 min
Response: 129281355
Conc: 70.27 ug/ml



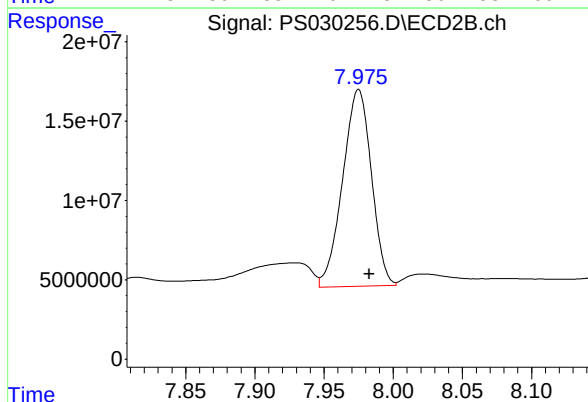
#7 MCPA

R.T.: 7.431 min
Delta R.T.: -0.006 min
Response: 733372399
Conc: 70.65 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

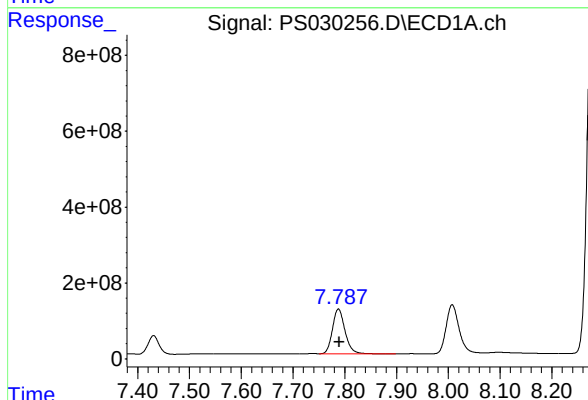
Manual Integrations
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Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



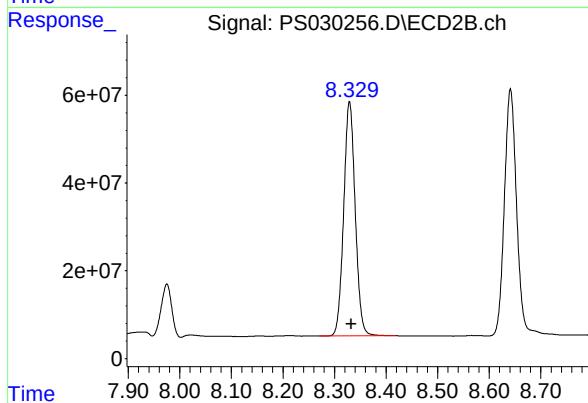
#7 MCPA

R.T.: 7.975 min
Delta R.T.: -0.008 min
Response: 179572333
Conc: 68.08 ug/ml



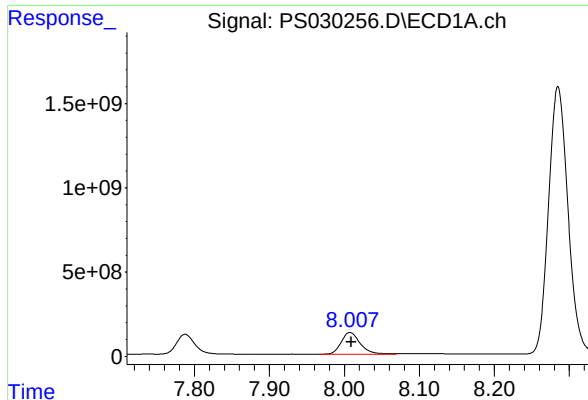
#8 DICHLORPROP

R.T.: 7.788 min
Delta R.T.: -0.002 min
Response: 2003477247
Conc: 685.81 ng/ml



#8 DICHLORPROP

R.T.: 8.329 min
Delta R.T.: -0.004 min
Response: 829692566
Conc: 702.28 ng/ml



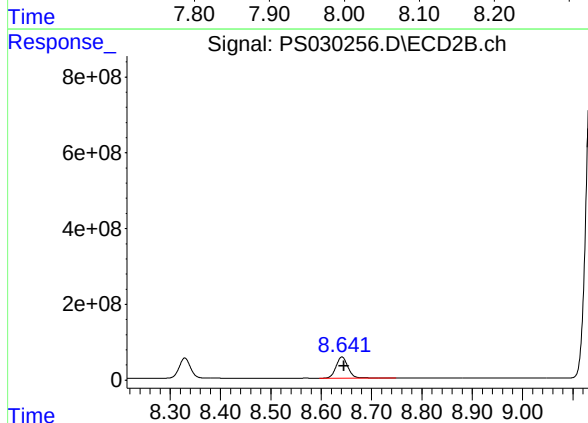
#9 2,4-D

R.T.: 8.008 min
Delta R.T.: -0.002 min
Response: 2266292996
Conc: 691.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

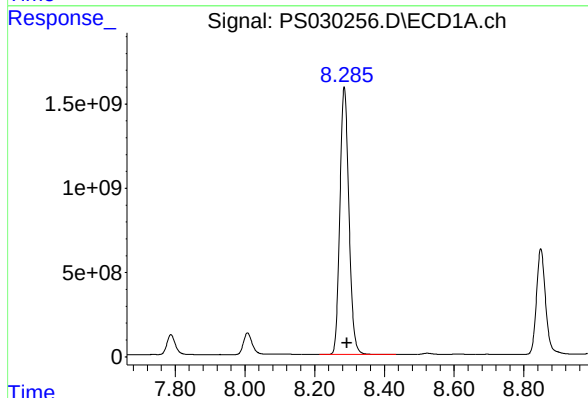
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



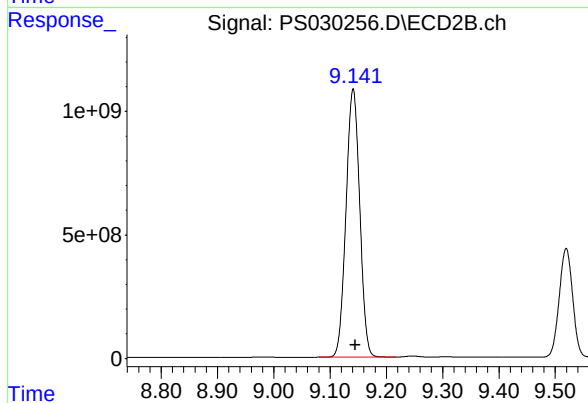
#9 2,4-D

R.T.: 8.641 min
Delta R.T.: -0.004 min
Response: 930490433
Conc: 721.03 ng/ml



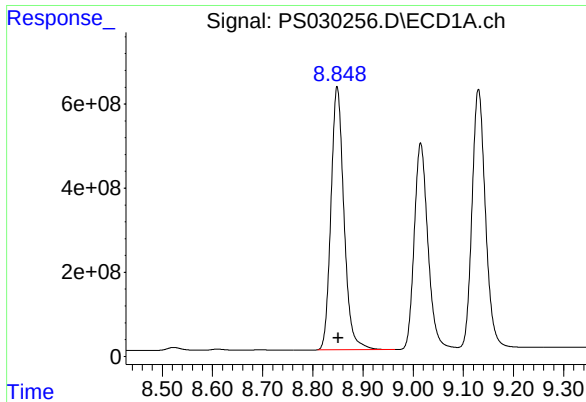
#10 Pentachlorophenol

R.T.: 8.285 min
Delta R.T.: -0.008 min
Response: 28573600764
Conc: 705.51 ng/ml



#10 Pentachlorophenol

R.T.: 9.141 min
Delta R.T.: -0.004 min
Response: 18383178381
Conc: 744.71 ng/ml



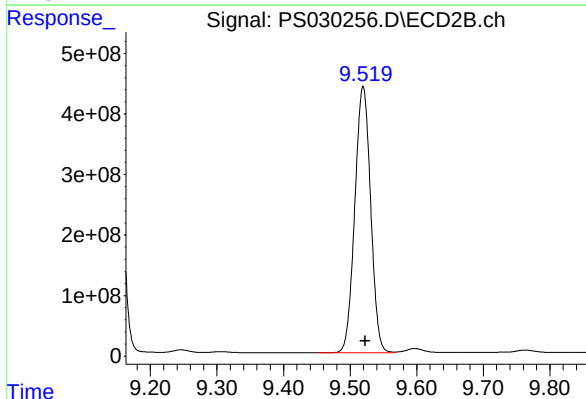
#11 2,4,5-TP (SILVEX)

R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 11234682810
Conc: 693.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

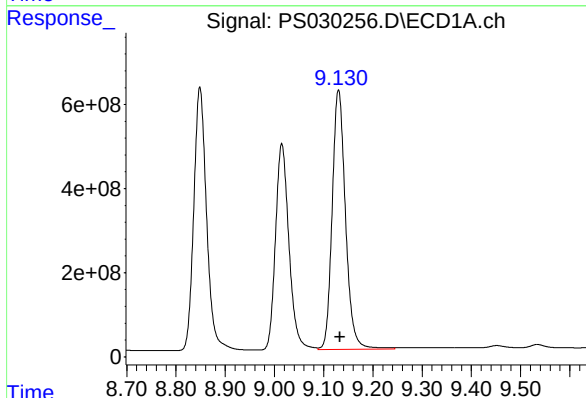
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



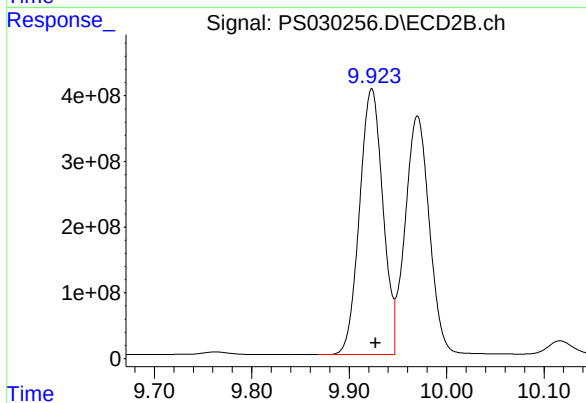
#11 2,4,5-TP (SILVEX)

R.T.: 9.520 min
Delta R.T.: -0.004 min
Response: 7251162008
Conc: 736.13 ng/ml



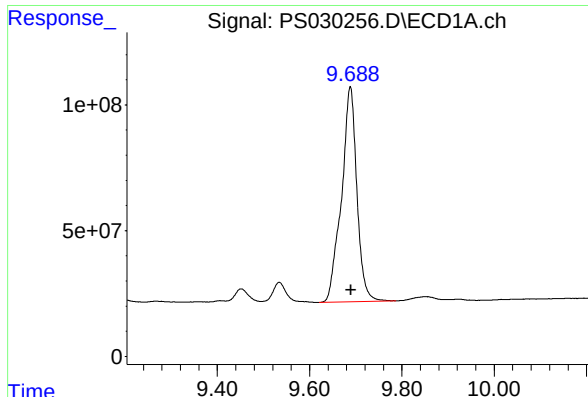
#12 2,4,5-T

R.T.: 9.130 min
Delta R.T.: -0.003 min
Response: 11595929648
Conc: 702.14 ng/ml



#12 2,4,5-T

R.T.: 9.923 min
Delta R.T.: -0.004 min
Response: 6748673659
Conc: 733.26 ng/ml



#13 2,4-DB

R.T.: 9.688 min
Delta R.T.: -0.002 min
Response: 1982152603
Conc: 759.51 ng/ml

Instrument :

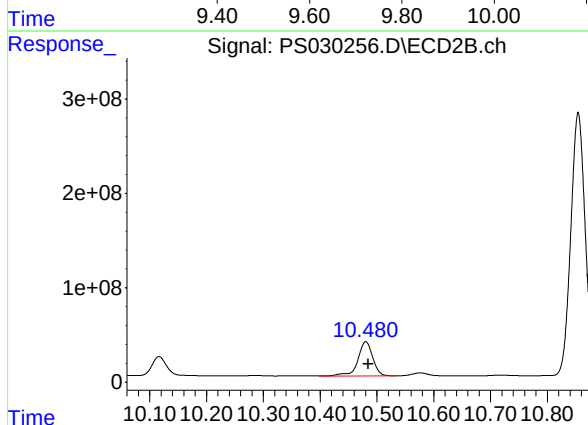
ECD_S

ClientSampleId :

HSTDCCC750

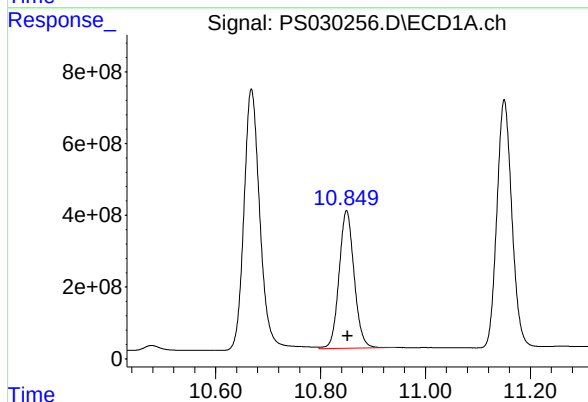
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



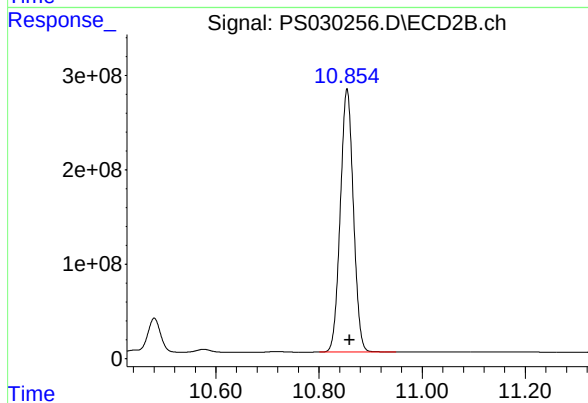
#13 2,4-DB

R.T.: 10.480 min
Delta R.T.: -0.005 min
Response: 663338714
Conc: 668.44 ng/ml



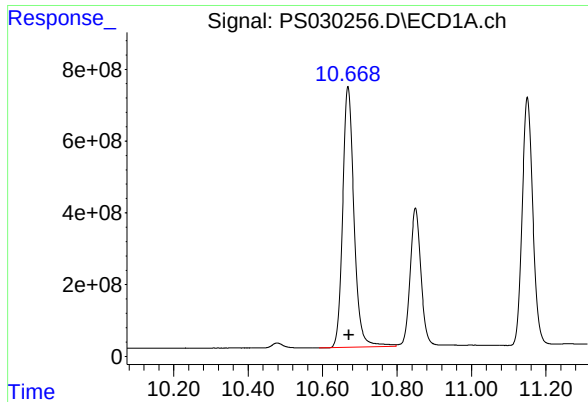
#14 DINOSEB

R.T.: 10.850 min
Delta R.T.: -0.002 min
Response: 7656602286
Conc: 669.50 ng/ml



#14 DINOSEB

R.T.: 10.854 min
Delta R.T.: -0.004 min
Response: 4901973748
Conc: 717.50 ng/ml



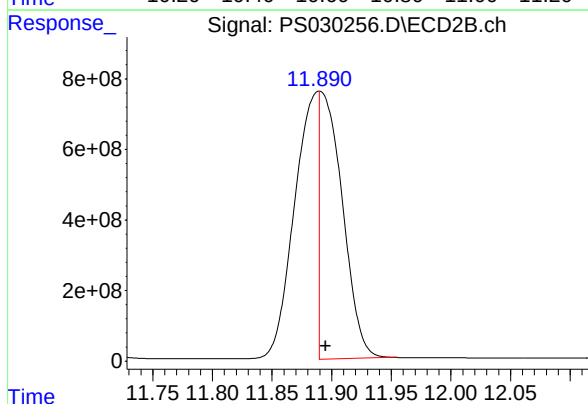
#15 Picloram

R.T.: 10.668 min
Delta R.T.: -0.002 min
Response: 15380845972
Conc: 719.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

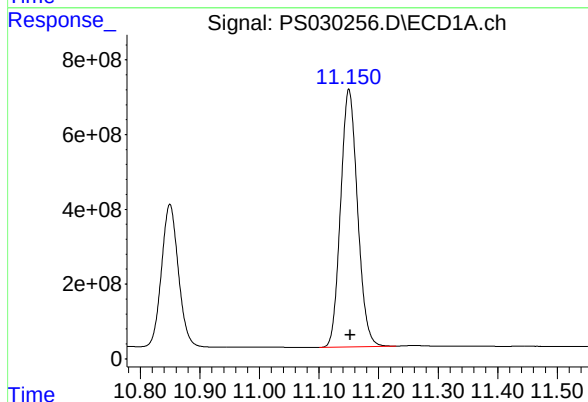
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



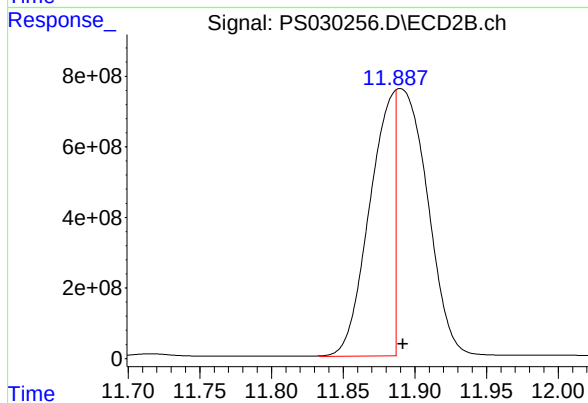
#15 Picloram

R.T.: 11.890 min
Delta R.T.: -0.005 min
Response: 9988679491
Conc: 709.77 ng/ml m



#16 DCPA

R.T.: 11.150 min
Delta R.T.: -0.003 min
Response: 13622784191
Conc: 684.17 ng/ml



#16 DCPA

R.T.: 11.887 min
Delta R.T.: -0.005 min
Response: 9470641291
Conc: 700.98 ng/ml m



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Continuing Calib Date: 05/19/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 16:37 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
Dalapon	2.45	2.45	2.35	2.55	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Continuing Calib Date: 05/19/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 16:37 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
Dalapon	2.52	2.52	2.42	2.62	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.85	10.86	10.76	10.96	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL04 Date Analyzed: 05/19/2025

Lab Sample No.: HSTDCCC750 Data File : PS030276.D Time Analyzed: 16:37

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.130	9.033	9.233	740.040	712.500	3.9
2,4,5-TP(Silvex)	8.849	8.750	8.950	734.250	712.500	3.1
2,4-D	8.008	7.910	8.110	722.650	705.000	2.5
2,4-DB	9.688	9.589	9.789	792.670	712.500	11.3
2,4-DCAA	6.932	6.834	7.034	761.130	750.000	1.5
Dalapon	2.446	2.346	2.546	697.010	682.500	2.1
DICAMBA	7.108	7.010	7.210	724.110	705.000	2.7
DICHLORPROP	7.788	7.689	7.889	713.170	705.000	1.2
Dinoseb	10.849	10.751	10.951	718.030	705.000	1.8



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL04 Date Analyzed: 05/19/2025

Lab Sample No.: HSTDCCC750 Data File : PS030276.D Time Analyzed: 16:37

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.922	9.826	10.026	735.560	712.500	3.2
2,4,5-TP(Silvex)	9.518	9.423	9.623	740.370	712.500	3.9
2,4-D	8.641	8.544	8.744	720.730	705.000	2.2
2,4-DB	10.481	10.385	10.585	672.490	712.500	-5.6
2,4-DCAA	7.451	7.354	7.554	751.730	750.000	0.2
Dalapon	2.519	2.420	2.620	683.190	682.500	0.1
DICAMBA	7.636	7.539	7.739	729.140	705.000	3.4
DICHLORPROP	8.329	8.232	8.432	702.130	705.000	-0.4
Dinoseb	10.854	10.758	10.958	727.930	705.000	3.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
 Data File : PS030276.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 16:37
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 02:08:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	6.932	7.451	2167.6E6	601.5E6	761.131	751.735
Target Compounds						
1) T Dalapon	2.446	2.519	3426.0E6	1387.6E6	697.008	683.185
2) T 3,5-DICHL...	6.137	6.451	2951.1E6	778.7E6	707.616	667.959
3) T 4-Nitroph...	6.722	6.986	1463.7E6	645.1E6	708.580	617.861
5) T DICAMBA	7.108	7.636	8368.8E6	3447.4E6	724.114	729.140
6) T MCPP	7.288	7.745	565.9E6	130.2E6	77.706	70.790
7) T MCPA	7.430	7.974	746.7E6	176.4E6	71.933	66.871
8) T DICHLORPROP	7.788	8.329	2083.4E6	829.5E6	713.172	702.133
9) T 2,4-D	8.008	8.641	2369.5E6	930.1E6	722.645	720.726
10) T Pentachlo...	8.285	9.140	30076.2E6	18477.5E6	742.608	748.534
11) T 2,4,5-TP ...	8.849	9.518	11891.9E6	7293.0E6	734.248	740.374
12) T 2,4,5-T	9.130	9.922	12221.9E6	6769.8E6	740.038	735.563
13) T 2,4-DB	9.688	10.481	2068.7E6	667.4E6	792.673	672.495
14) T DINOSEB	10.849	10.854	8211.7E6	4973.2E6	718.032	727.930
15) T Picloram	10.669	11.890	15956.0E6	9866.3E6	746.064	701.072m
16) T DCPA	11.151	11.889	14640.5E6	10743.4E6	735.277	795.190m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:37
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

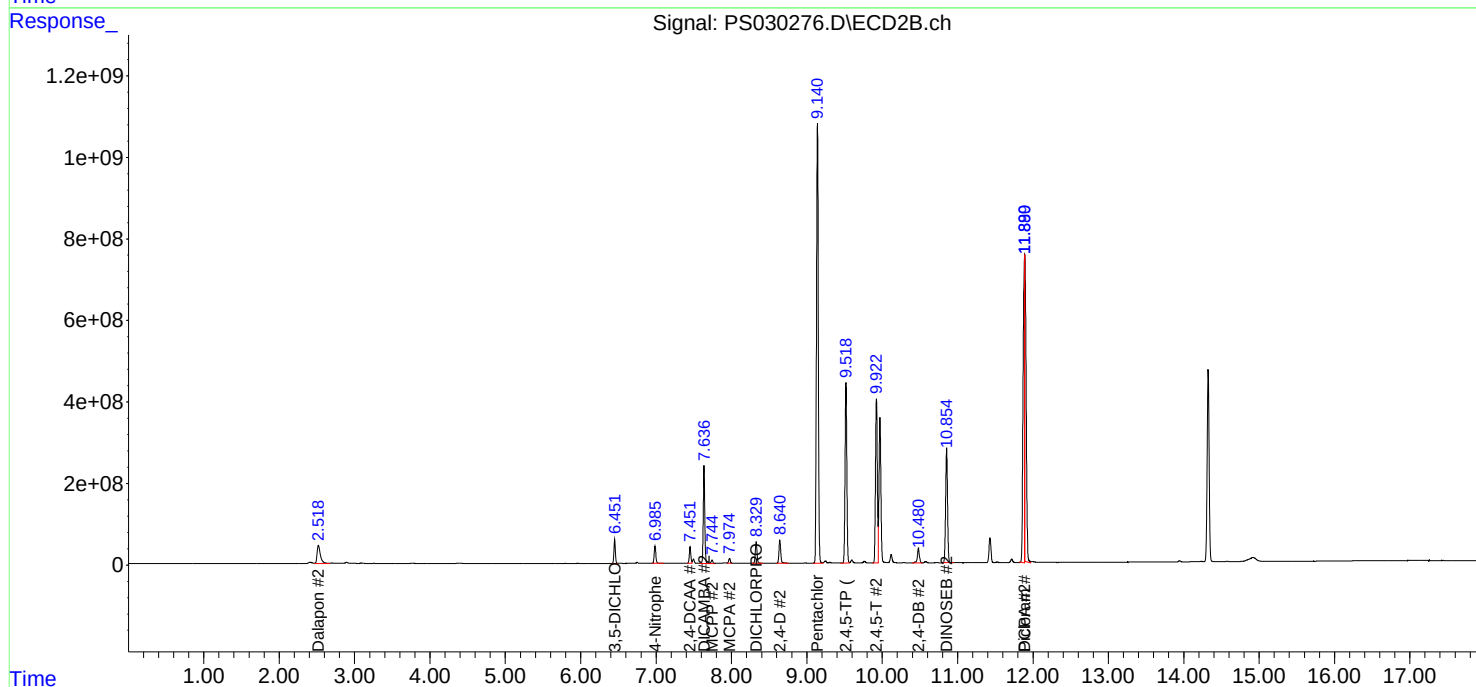
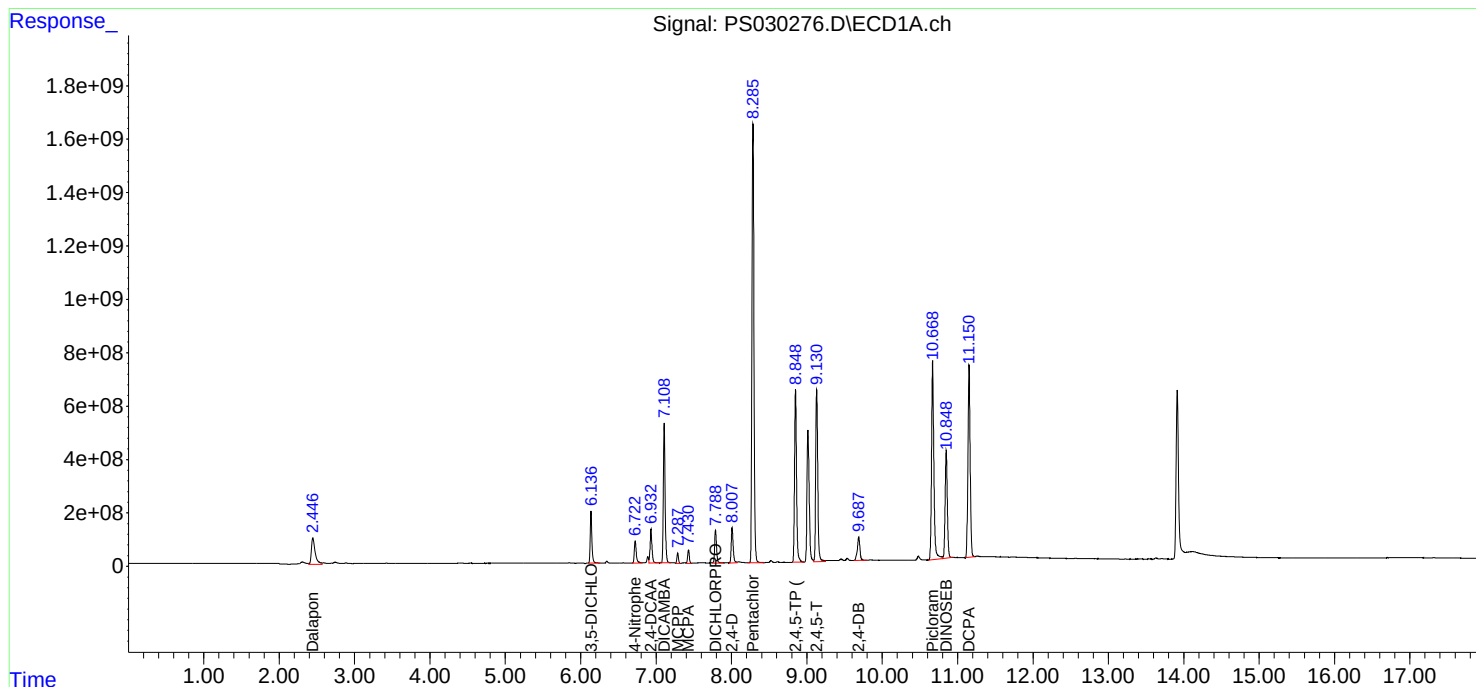
APPROVED

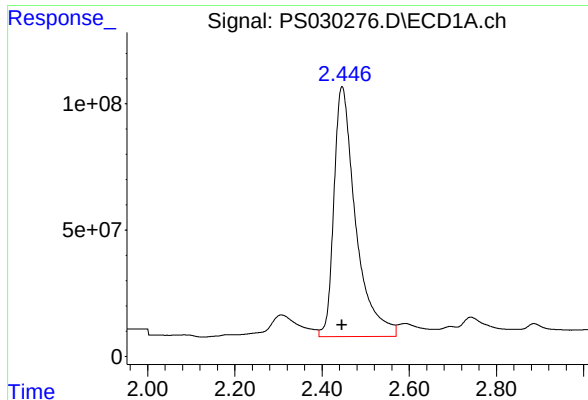
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:08:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Dalapon

R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 3426047191
Conc: 697.01 ng/ml

Instrument :

ECD_S

ClientSampleId :

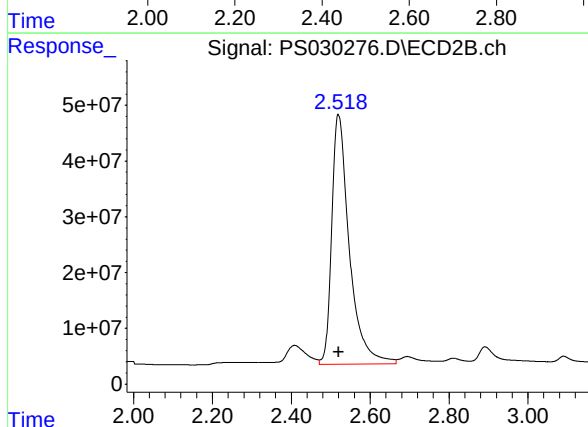
HSTDCCC750

Manual Integrations

APPROVED

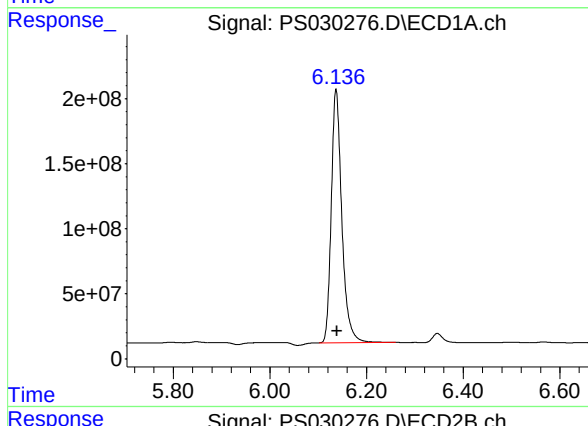
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025



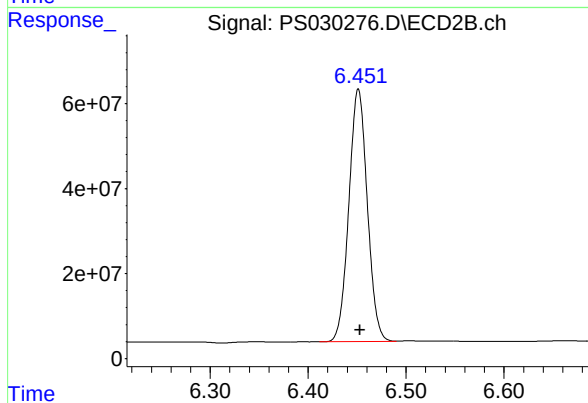
#1 Dalapon

R.T.: 2.519 min
Delta R.T.: 0.000 min
Response: 1387583085
Conc: 683.19 ng/ml



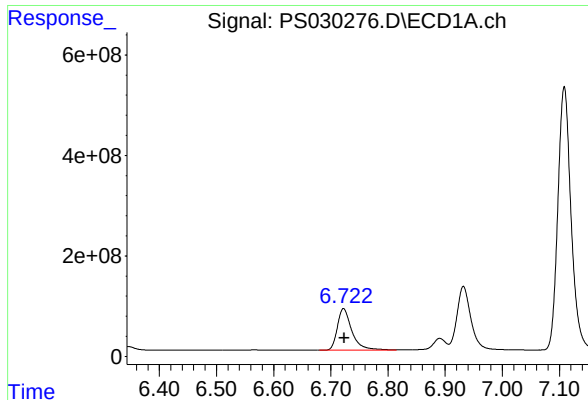
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.137 min
Delta R.T.: -0.002 min
Response: 2951147405
Conc: 707.62 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.451 min
Delta R.T.: -0.002 min
Response: 778726351
Conc: 667.96 ng/ml



#3 4-Nitrophenol

R.T.: 6.722 min
Delta R.T.: -0.001 min
Response: 1463652428
Conc: 708.58 ng/ml

Instrument :

ECD_S

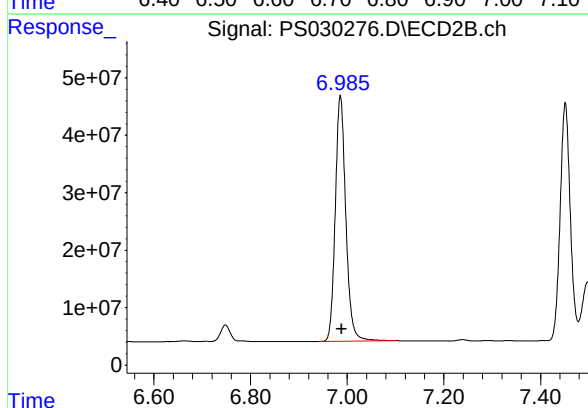
ClientSampleId :

HSTDCCC750

Manual Integrations
APPROVED

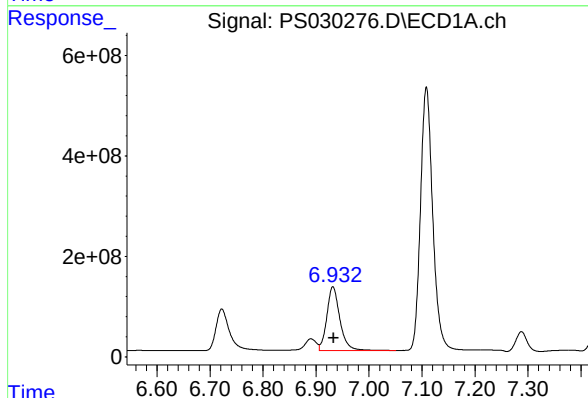
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025



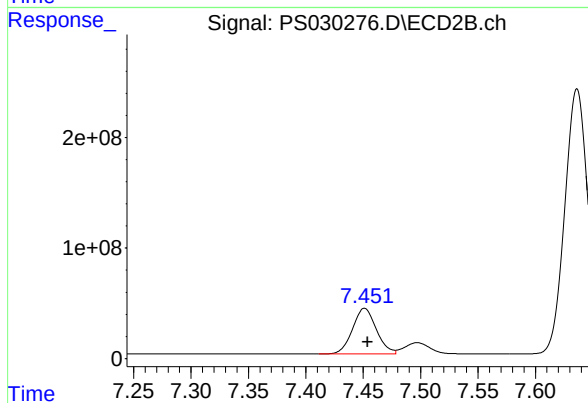
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.003 min
Response: 645067004
Conc: 617.86 ng/ml



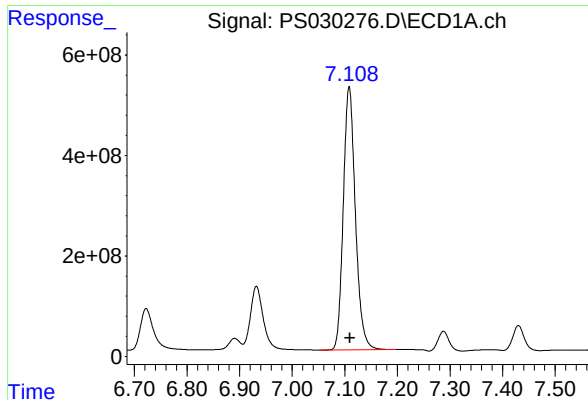
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 2167556369
Conc: 761.13 ng/ml



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 601540888
Conc: 751.73 ng/ml



#5 DICAMBA

R.T.: 7.108 min
Delta R.T.: -0.002 min
Response: 8368843425
Conc: 724.11 ng/ml

Instrument :

ECD_S

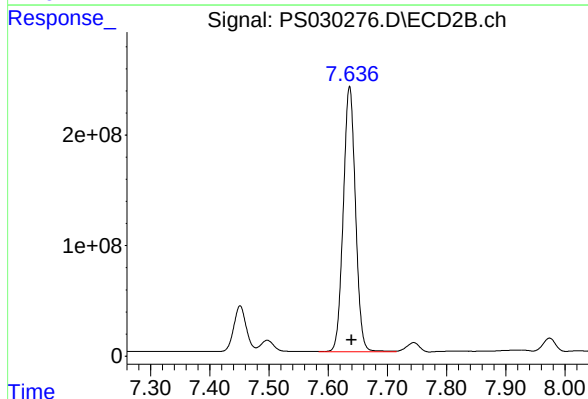
ClientSampleId :

HSTDCCC750

Manual Integrations
APPROVED

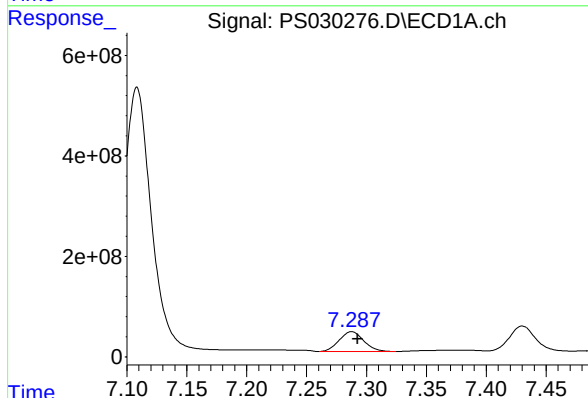
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025



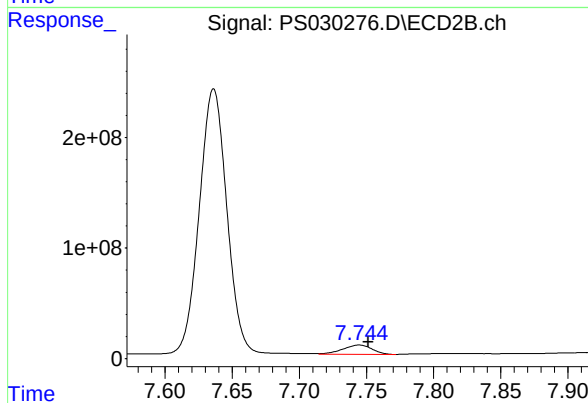
#5 DICAMBA

R.T.: 7.636 min
Delta R.T.: -0.004 min
Response: 3447355281
Conc: 729.14 ng/ml



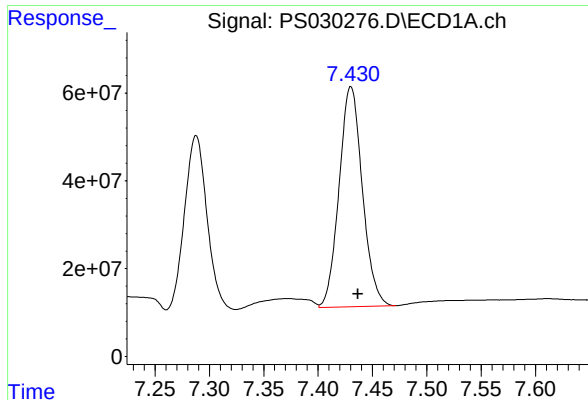
#6 MCPP

R.T.: 7.288 min
Delta R.T.: -0.005 min
Response: 565909381
Conc: 77.71 ug/ml



#6 MCPP

R.T.: 7.745 min
Delta R.T.: -0.007 min
Response: 130237115
Conc: 70.79 ug/ml



#7 MCPA

R.T.: 7.430 min
Delta R.T.: -0.007 min
Response: 746724965
Conc: 71.93 ug/ml

Instrument :

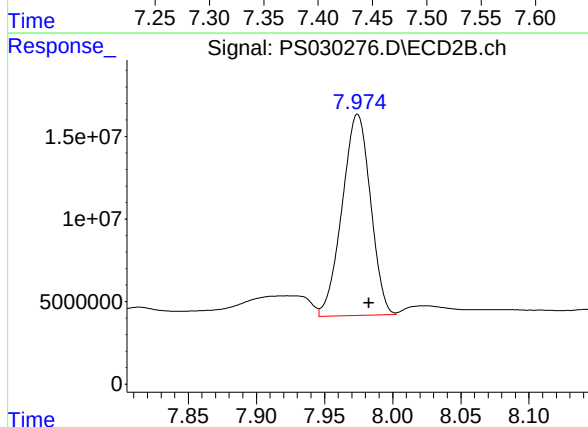
ECD_S

ClientSampleId :

HSTDCCC750

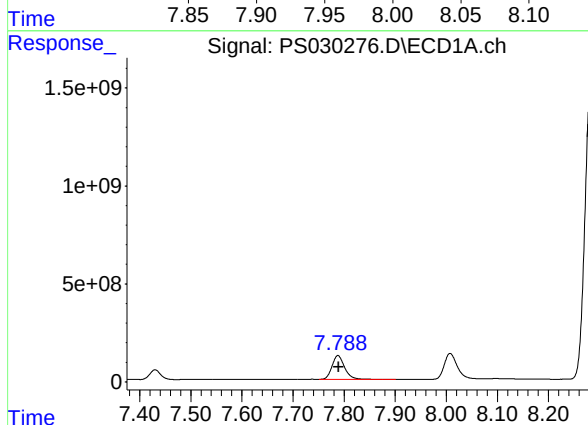
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



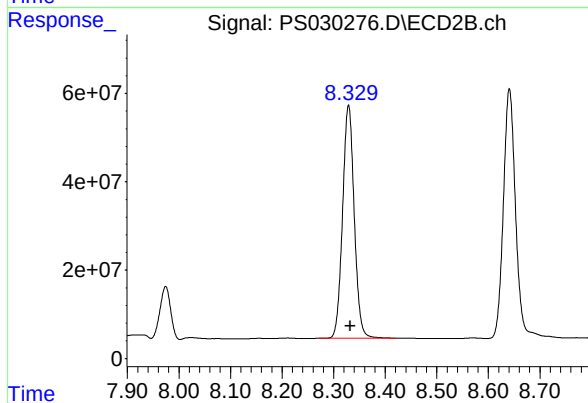
#7 MCPA

R.T.: 7.974 min
Delta R.T.: -0.008 min
Response: 176383651
Conc: 66.87 ug/ml



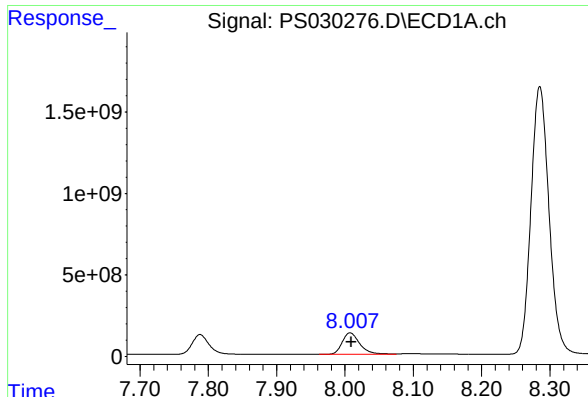
#8 DICHLORPROP

R.T.: 7.788 min
Delta R.T.: -0.001 min
Response: 2083421425
Conc: 713.17 ng/ml



#8 DICHLORPROP

R.T.: 8.329 min
Delta R.T.: -0.004 min
Response: 829523158
Conc: 702.13 ng/ml



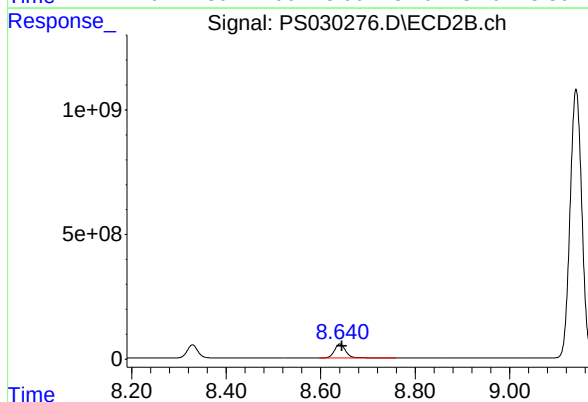
#9 2,4-D

R.T.: 8.008 min
Delta R.T.: -0.002 min
Response: 2369507203
Conc: 722.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

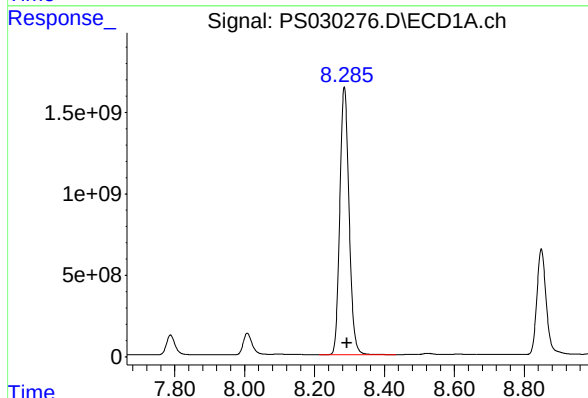
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



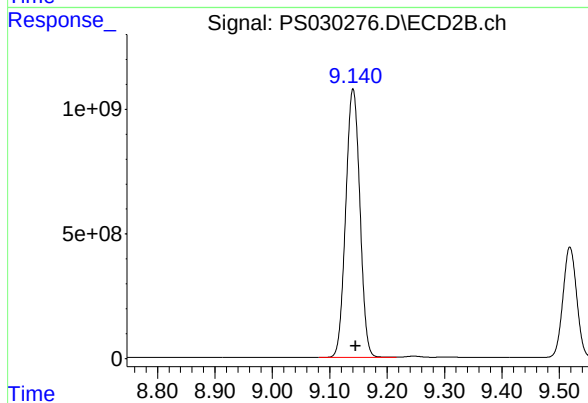
#9 2,4-D

R.T.: 8.641 min
Delta R.T.: -0.004 min
Response: 930097464
Conc: 720.73 ng/ml



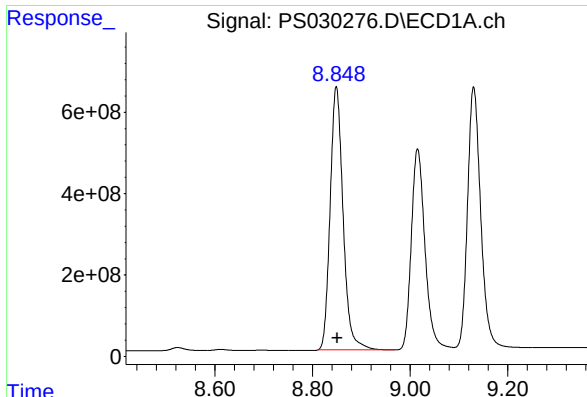
#10 Pentachlorophenol

R.T.: 8.285 min
Delta R.T.: -0.008 min
Response: 30076207820
Conc: 742.61 ng/ml



#10 Pentachlorophenol

R.T.: 9.140 min
Delta R.T.: -0.005 min
Response: 18477525926
Conc: 748.53 ng/ml



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

R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 11891871713
Conc: 734.25 ng/ml

Instrument :

ECD_S

ClientSampleId :

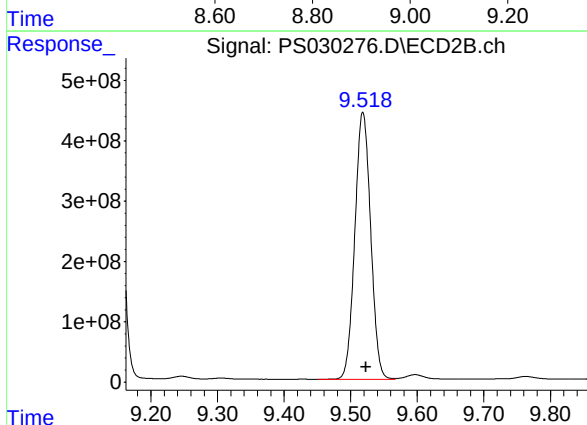
HSTDCCC750

Manual Integrations

APPROVED

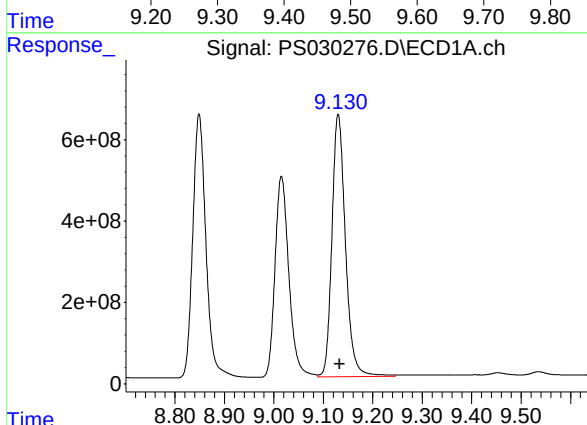
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025



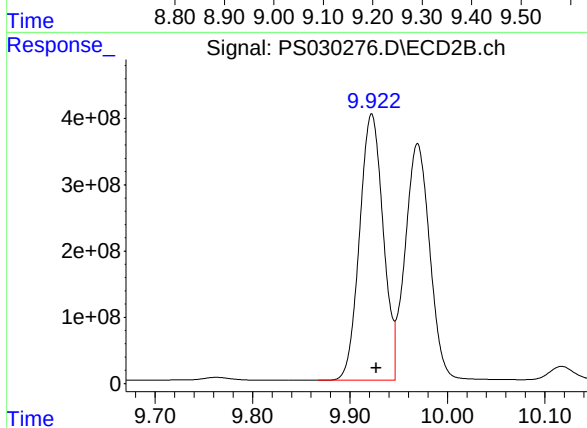
#11 2,4,5-TP (SILVEX)

R.T.: 9.518 min
Delta R.T.: -0.005 min
Response: 7293006309
Conc: 740.37 ng/ml



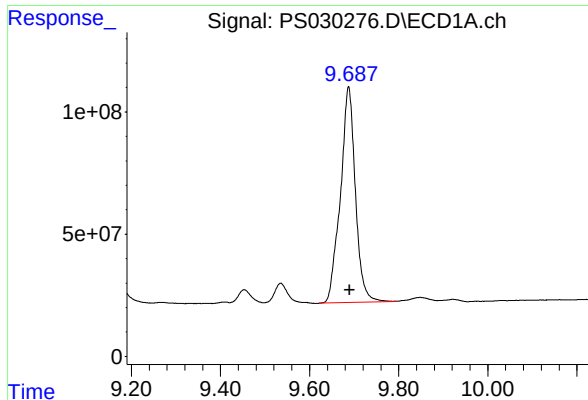
#12 2,4,5-T

R.T.: 9.130 min
Delta R.T.: -0.003 min
Response: 12221874811
Conc: 740.04 ng/ml



#12 2,4,5-T

R.T.: 9.922 min
Delta R.T.: -0.005 min
Response: 6769835625
Conc: 735.56 ng/ml



#13 2,4-DB

R.T.: 9.688 min
Delta R.T.: -0.003 min
Response: 2068697217
Conc: 792.67 ng/ml

Instrument :

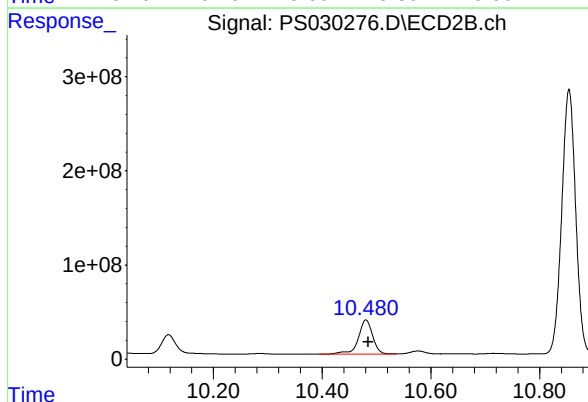
ECD_S

ClientSampleId :

HSTDCCC750

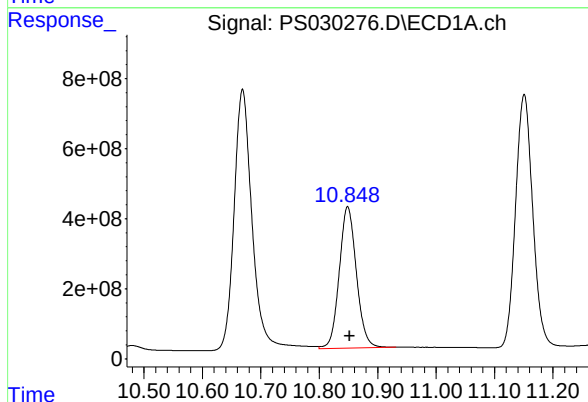
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



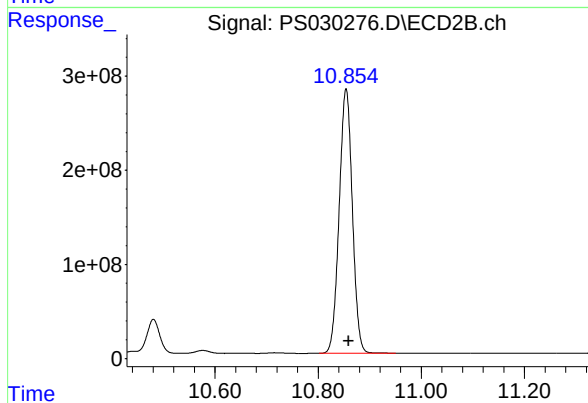
#13 2,4-DB

R.T.: 10.481 min
Delta R.T.: -0.005 min
Response: 667365165
Conc: 672.49 ng/ml



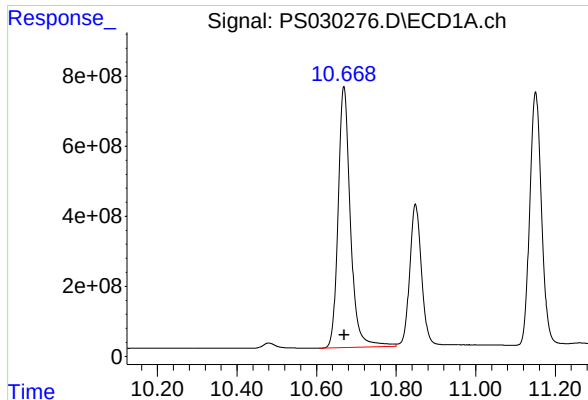
#14 DINOSEB

R.T.: 10.849 min
Delta R.T.: -0.003 min
Response: 8211671154
Conc: 718.03 ng/ml



#14 DINOSEB

R.T.: 10.854 min
Delta R.T.: -0.005 min
Response: 4973206066
Conc: 727.93 ng/ml



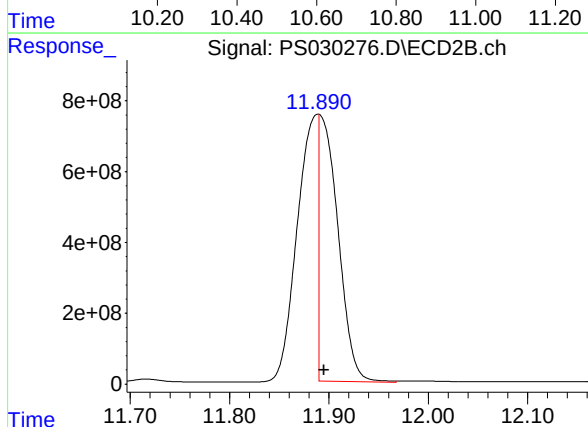
#15 Picloram

R.T.: 10.669 min
Delta R.T.: -0.001 min
Response: 15956045268
Conc: 746.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

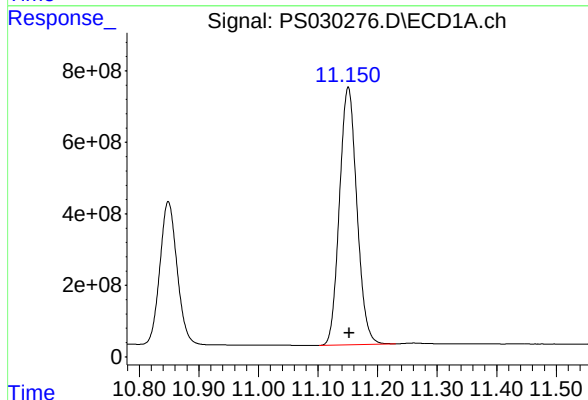
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



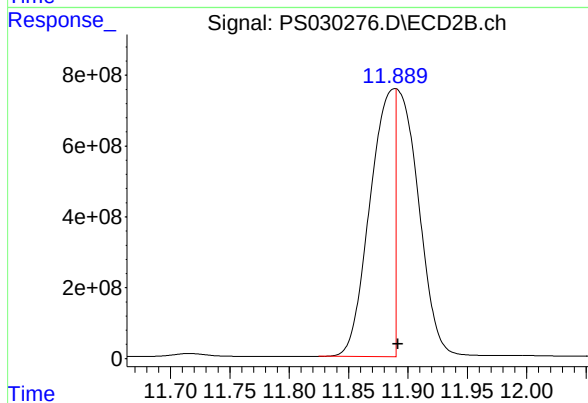
#15 Picloram

R.T.: 11.890 min
Delta R.T.: -0.005 min
Response: 9866273366
Conc: 701.07 ng/ml m



#16 DCPA

R.T.: 11.151 min
Delta R.T.: -0.002 min
Response: 14640458252
Conc: 735.28 ng/ml



#16 DCPA

R.T.: 11.889 min
Delta R.T.: -0.002 min
Response: 10743432599
Conc: 795.19 ng/ml m



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Continuing Calib Date: 05/19/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 21:26 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
Dalapon	2.45	2.45	2.35	2.55	0.01
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

Continuing Calib Date: 05/19/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 21:26 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
Dalapon	2.52	2.52	2.42	2.62	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.85	10.86	10.76	10.96	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL05 Date Analyzed: 05/19/2025

Lab Sample No.: HSTDCCC750 Data File : PS030288.D Time Analyzed: 21:26

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.128	9.033	9.233	720.910	712.500	1.2
2,4,5-TP(Silvex)	8.848	8.750	8.950	717.600	712.500	0.7
2,4-D	8.006	7.910	8.110	703.830	705.000	-0.2
2,4-DB	9.687	9.589	9.789	777.180	712.500	9.1
2,4-DCAA	6.931	6.834	7.034	740.950	750.000	-1.2
Dalapon	2.445	2.346	2.546	674.340	682.500	-1.2
DICAMBA	7.107	7.010	7.210	704.020	705.000	-0.1
DICHLORPROP	7.787	7.689	7.889	700.140	705.000	-0.7
Dinoseb	10.847	10.751	10.951	705.330	705.000	0.0



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1984 SAS No.: Q1984 SDG NO.: Q1984

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL05 Date Analyzed: 05/19/2025

Lab Sample No.: HSTDCCC750 Data File : PS030288.D Time Analyzed: 21:26

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.920	9.826	10.026	724.480	712.500	1.7
2,4,5-TP(Silvex)	9.517	9.423	9.623	729.750	712.500	2.4
2,4-D	8.639	8.544	8.744	708.970	705.000	0.6
2,4-DB	10.478	10.385	10.585	625.060	712.500	-12.3
2,4-DCAA	7.450	7.354	7.554	739.160	750.000	-1.4
Dalapon	2.519	2.420	2.620	670.310	682.500	-1.8
DICAMBA	7.635	7.539	7.739	717.500	705.000	1.8
DICHLORPROP	8.327	8.232	8.432	710.680	705.000	0.8
Dinoseb	10.852	10.758	10.958	713.460	705.000	1.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
 Data File : PS030288.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 21:26
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 02:09:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.931	7.450	2110.1E6	591.5E6	740.954	739.158
Target Compounds							
1) T	Dalapon	2.445	2.519	3314.6E6	1361.4E6	674.345	670.306
2) T	3,5-DICHL...	6.136	6.450	2903.4E6	763.9E6	696.174	655.208
3) T	4-Nitroph...	6.721	6.985	1448.8E6	638.2E6	701.390	611.297
5) T	DICAMBA	7.107	7.635	8136.6E6	3392.3E6	704.017	717.499
6) T	MCPD	7.286	7.743	552.5E6	127.4E6	75.867	69.225
7) T	MCPA	7.429	7.973	733.1E6	174.6E6	70.623	66.184
8) T	DICHLORPROP	7.787	8.327	2045.4E6	839.6E6	700.142	710.678
9) T	2,4-D	8.006	8.639	2307.8E6	914.9E6	703.833	708.971
10) T	Pentachlo...	8.284	9.139	29413.1E6	18173.5E6	726.235	736.216
11) T	2,4,5-TP ...	8.848	9.517	11622.2E6	7188.3E6	717.600	729.748
12) T	2,4,5-T	9.128	9.920	11905.9E6	6667.9E6	720.905	724.483
13) T	2,4-DB	9.687	10.478	2028.3E6	620.3E6	777.177	625.061
14) T	DINOSEB	10.847	10.852	8066.4E6	4874.3E6	705.328	713.456
15) T	Picloram	10.667	11.888	15583.6E6	9714.5E6	728.648	690.288m
16) T	DCPA	11.149	11.886	14311.1E6	10023.6E6	718.737	741.914m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:26
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

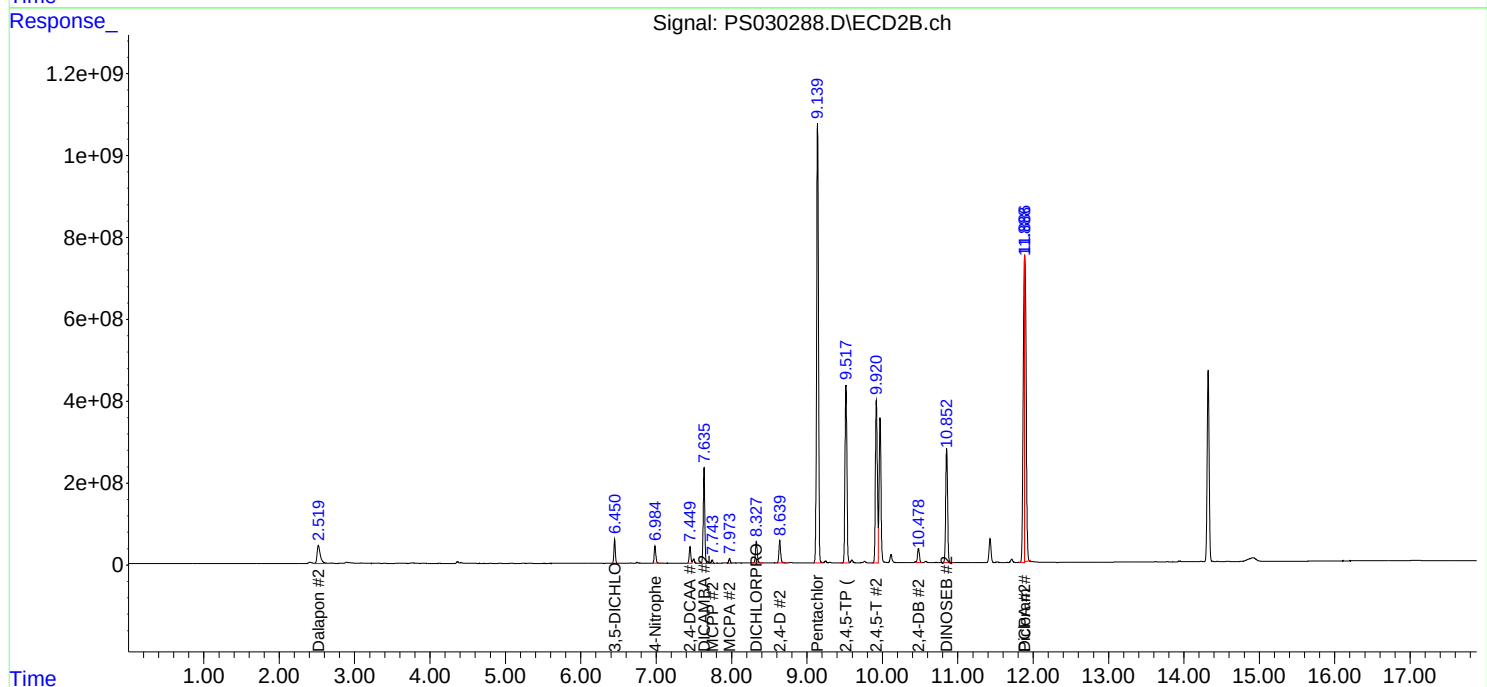
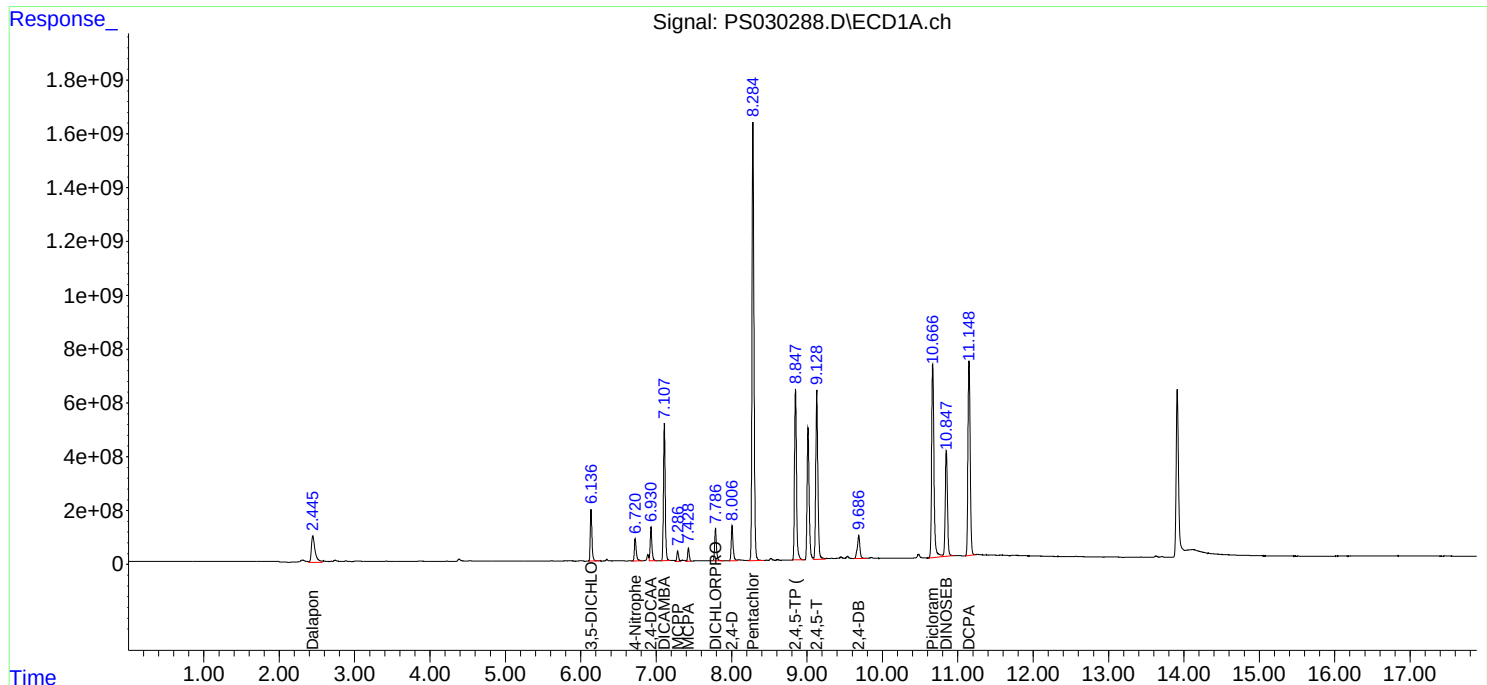
APPROVED

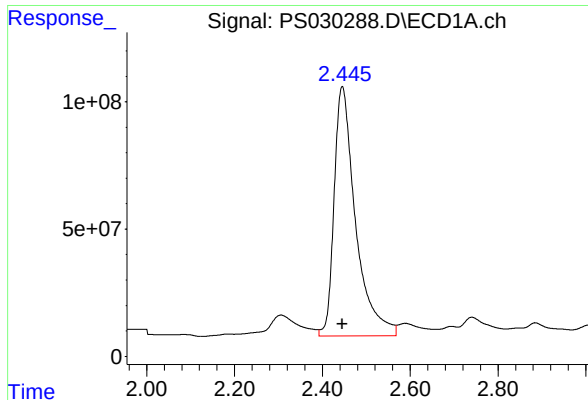
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:09:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Dalapon

R.T.: 2.445 min
Delta R.T.: 0.000 min
Response: 3314646517
Conc: 674.34 ng/ml

Instrument :

ECD_S

ClientSampleId :

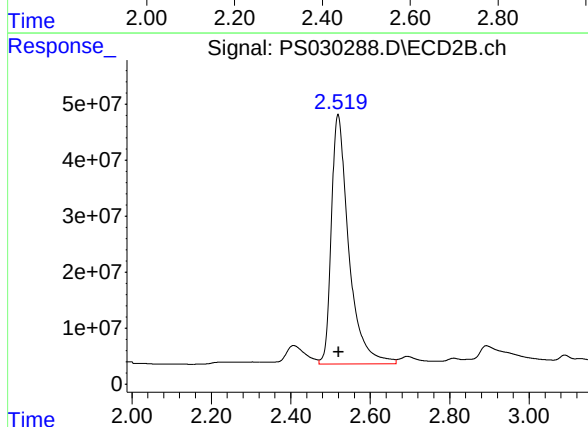
HSTDCCC750

Manual Integrations

APPROVED

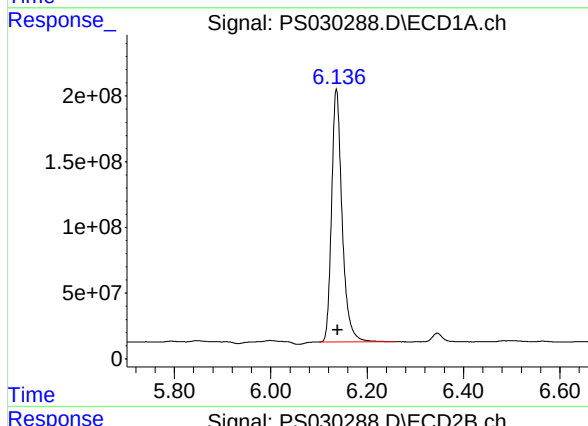
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025



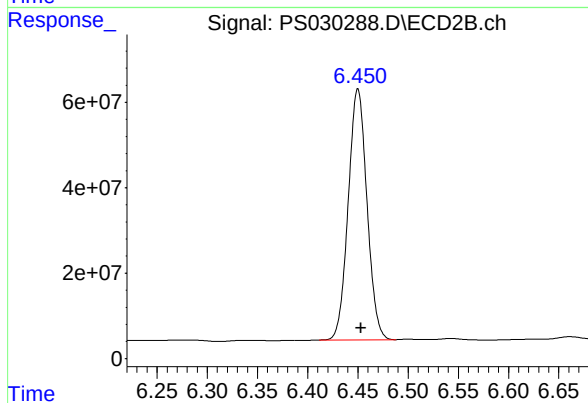
#1 Dalapon

R.T.: 2.519 min
Delta R.T.: -0.001 min
Response: 1361424620
Conc: 670.31 ng/ml



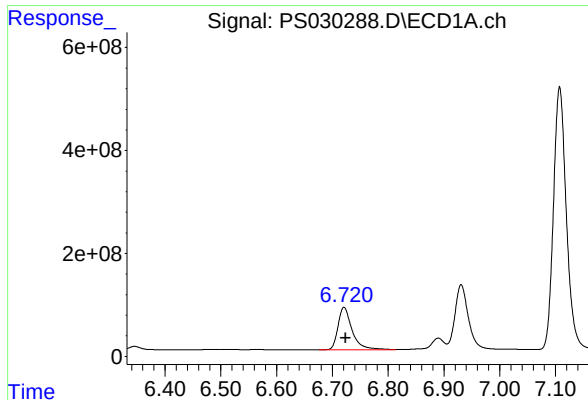
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.136 min
Delta R.T.: -0.002 min
Response: 2903429886
Conc: 696.17 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.450 min
Delta R.T.: -0.003 min
Response: 763860646
Conc: 655.21 ng/ml



#3 4-Nitrophenol

R.T.: 6.721 min
Delta R.T.: -0.003 min
Response: 1448800353
Conc: 701.39 ng/ml

Instrument :

ECD_S

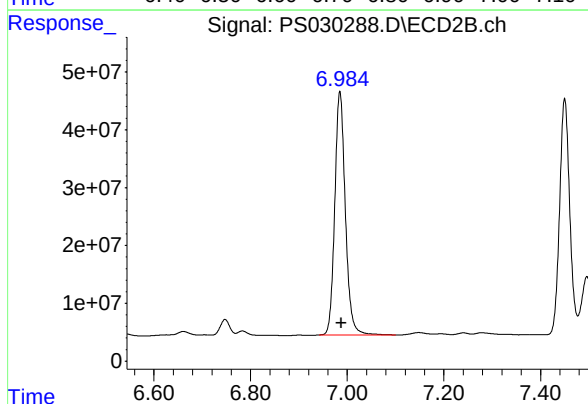
ClientSampleId :

HSTDCCC750

Manual Integrations
APPROVED

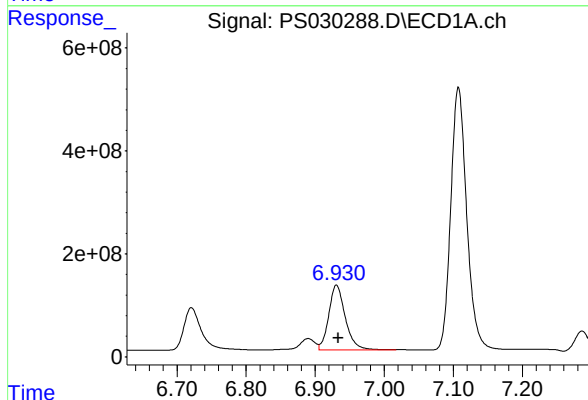
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025



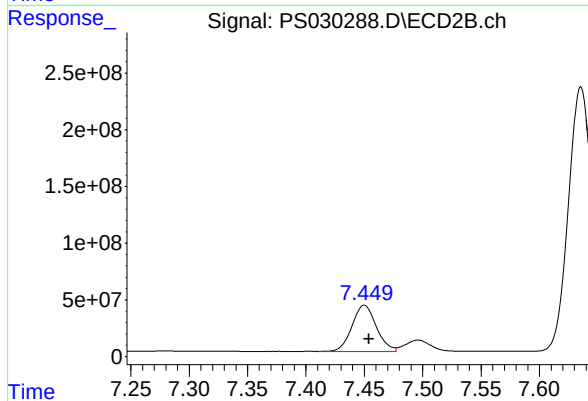
#3 4-Nitrophenol

R.T.: 6.985 min
Delta R.T.: -0.004 min
Response: 638214025
Conc: 611.30 ng/ml



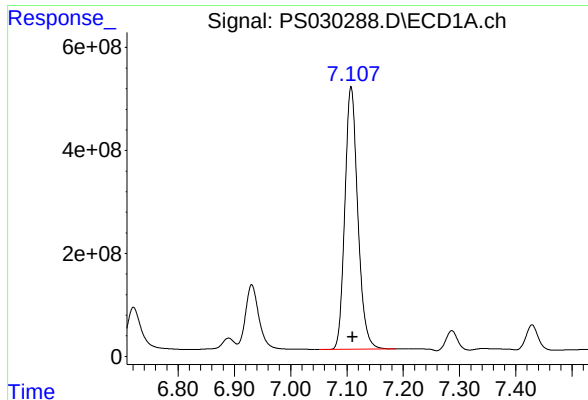
#4 2,4-DCAA

R.T.: 6.931 min
Delta R.T.: -0.003 min
Response: 2110095143
Conc: 740.95 ng/ml



#4 2,4-DCAA

R.T.: 7.450 min
Delta R.T.: -0.004 min
Response: 591476869
Conc: 739.16 ng/ml



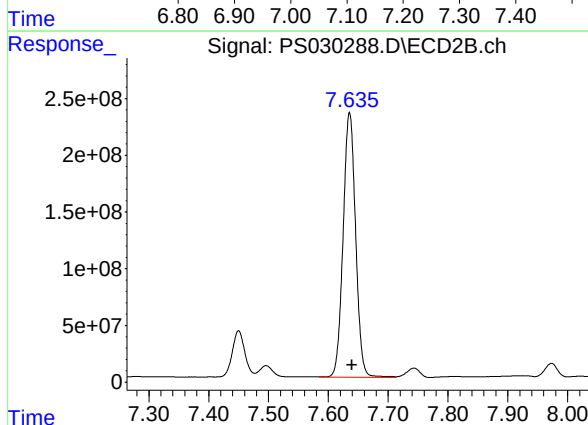
#5 DICAMBA

R.T.: 7.107 min
Delta R.T.: -0.003 min
Response: 8136574636
Conc: 704.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

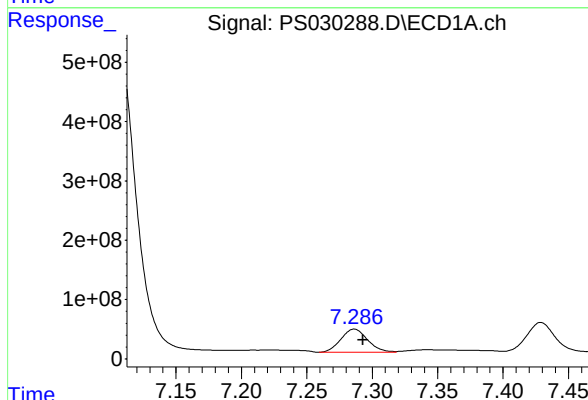
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



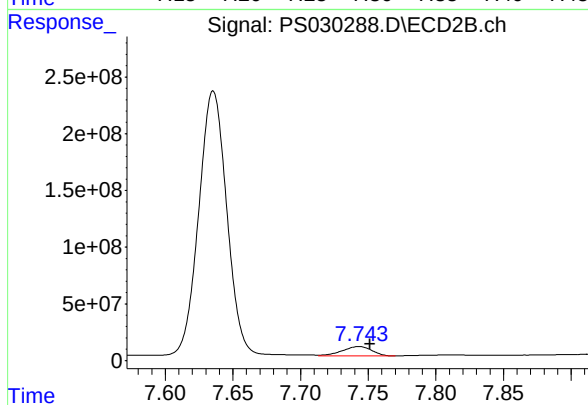
#5 DICAMBA

R.T.: 7.635 min
Delta R.T.: -0.004 min
Response: 3392317262
Conc: 717.50 ng/ml



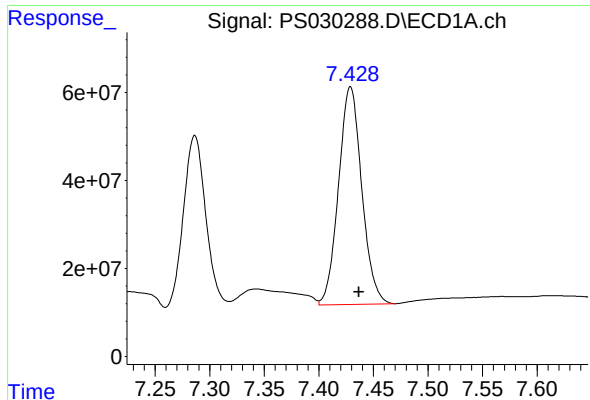
#6 MCPP

R.T.: 7.286 min
Delta R.T.: -0.006 min
Response: 552518262
Conc: 75.87 ug/ml



#6 MCPP

R.T.: 7.743 min
Delta R.T.: -0.008 min
Response: 127358060
Conc: 69.23 ug/ml



#7 MCPA

R.T.: 7.429 min
Delta R.T.: -0.008 min
Response: 733129512
Conc: 70.62 ug/ml

Instrument :

ECD_S

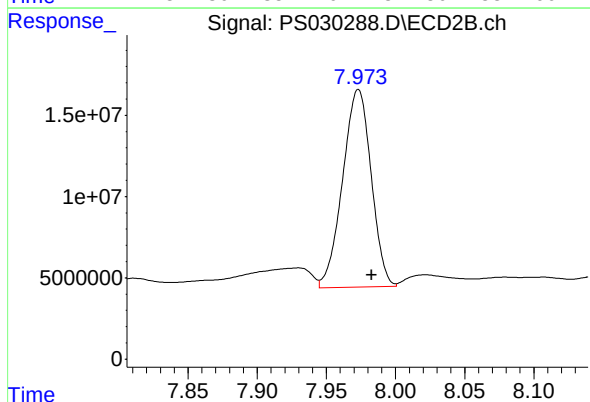
ClientSampleId :

HSTDCCC750

Manual Integrations
APPROVED

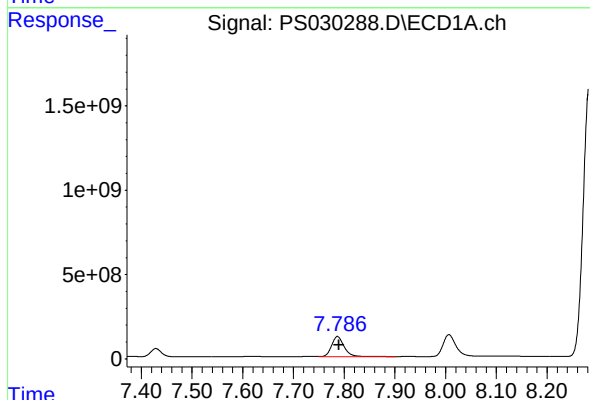
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025



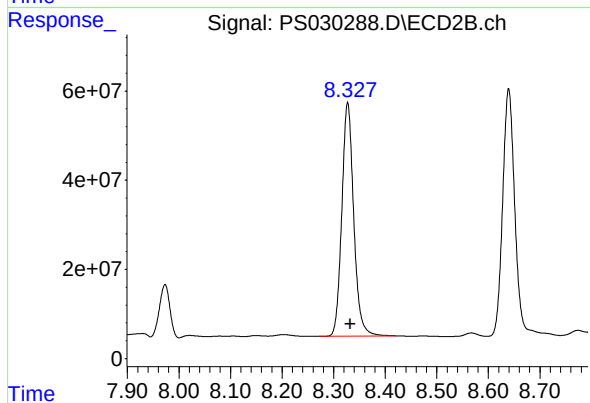
#7 MCPA

R.T.: 7.973 min
Delta R.T.: -0.009 min
Response: 174573280
Conc: 66.18 ug/ml



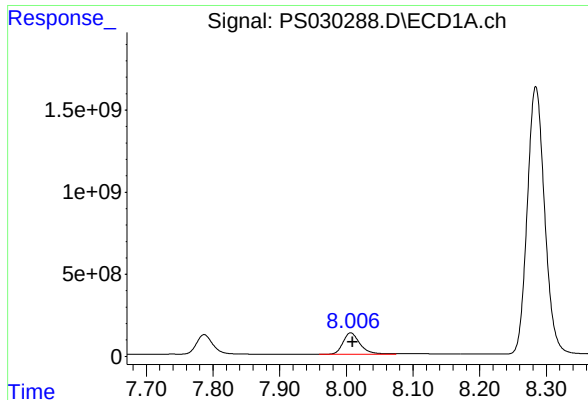
#8 DICHLORPROP

R.T.: 7.787 min
Delta R.T.: -0.003 min
Response: 2045355352
Conc: 700.14 ng/ml



#8 DICHLORPROP

R.T.: 8.327 min
Delta R.T.: -0.006 min
Response: 839619093
Conc: 710.68 ng/ml



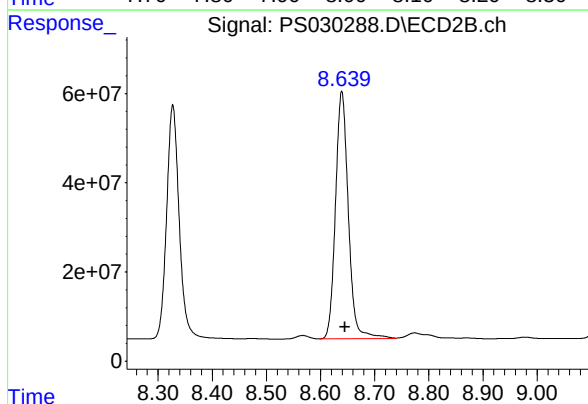
#9 2,4-D

R.T.: 8.006 min
Delta R.T.: -0.003 min
Response: 2307822240
Conc: 703.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

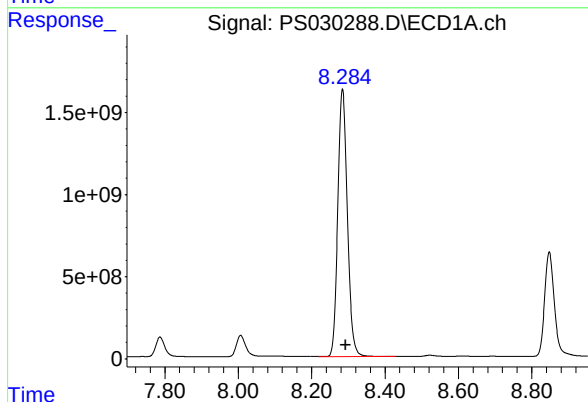
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



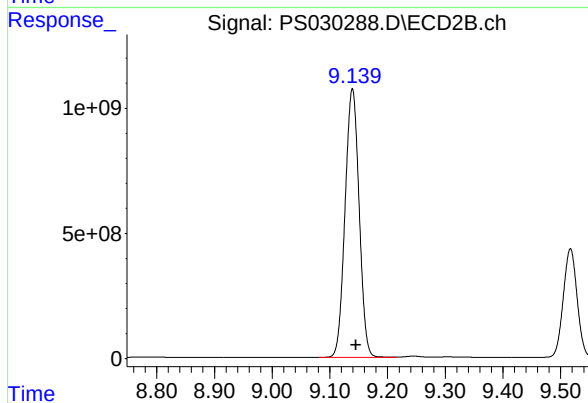
#9 2,4-D

R.T.: 8.639 min
Delta R.T.: -0.006 min
Response: 914927239
Conc: 708.97 ng/ml



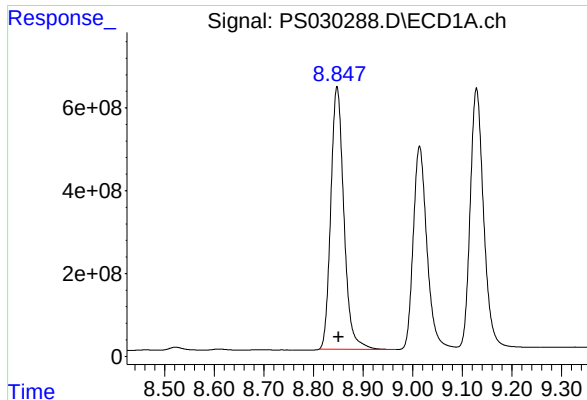
#10 Pentachlorophenol

R.T.: 8.284 min
Delta R.T.: -0.009 min
Response: 29413091799
Conc: 726.24 ng/ml



#10 Pentachlorophenol

R.T.: 9.139 min
Delta R.T.: -0.006 min
Response: 18173472632
Conc: 736.22 ng/ml



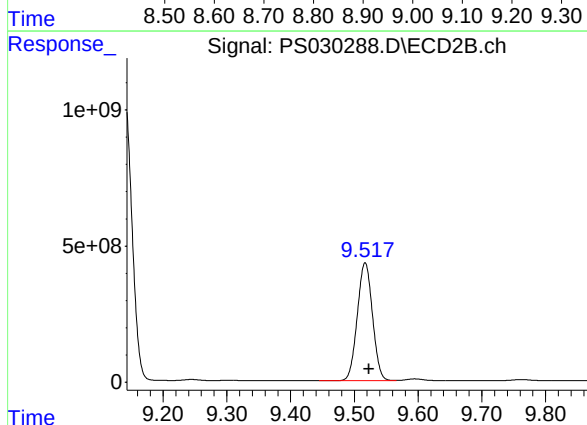
#11 2,4,5-TP (SILVEX)

R.T.: 8.848 min
Delta R.T.: -0.003 min
Response: 11622246264
Conc: 717.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

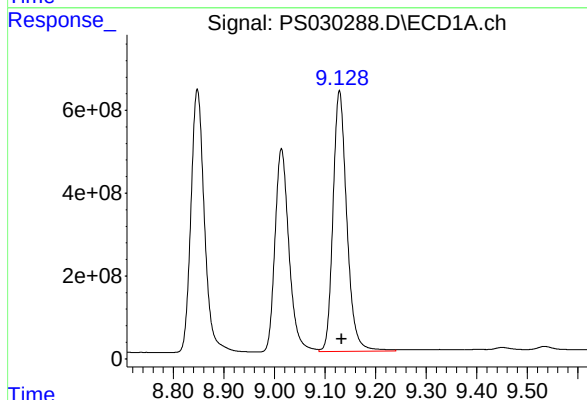
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



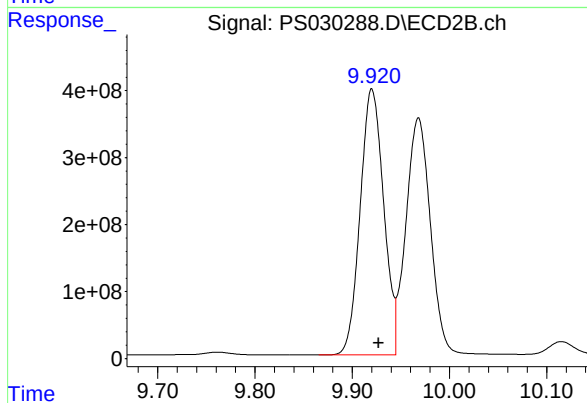
#11 2,4,5-TP (SILVEX)

R.T.: 9.517 min
Delta R.T.: -0.006 min
Response: 7188329777
Conc: 729.75 ng/ml



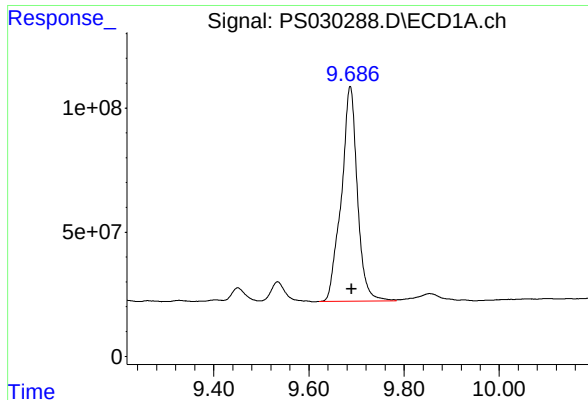
#12 2,4,5-T

R.T.: 9.128 min
Delta R.T.: -0.004 min
Response: 11905891844
Conc: 720.91 ng/ml



#12 2,4,5-T

R.T.: 9.920 min
Delta R.T.: -0.007 min
Response: 6667861294
Conc: 724.48 ng/ml



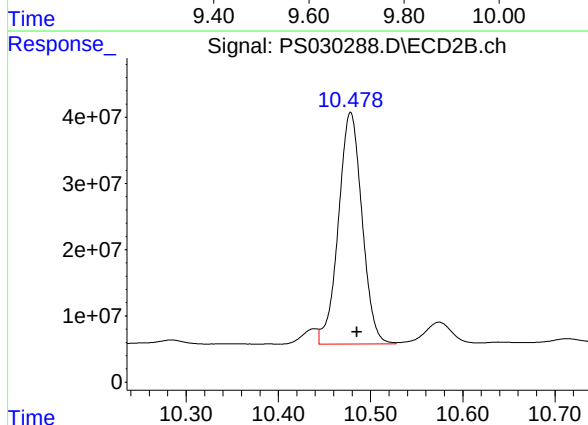
#13 2,4-DB

R.T.: 9.687 min
Delta R.T.: -0.003 min
Response: 2028256890
Conc: 777.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

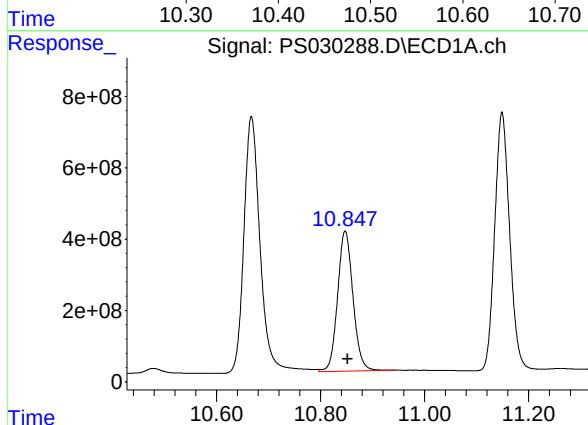
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



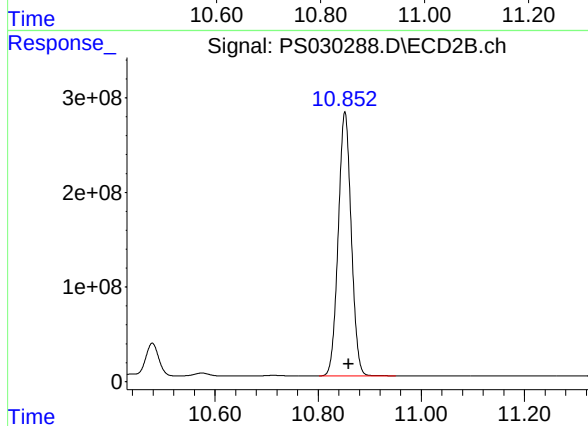
#13 2,4-DB

R.T.: 10.478 min
Delta R.T.: -0.007 min
Response: 620293374
Conc: 625.06 ng/ml



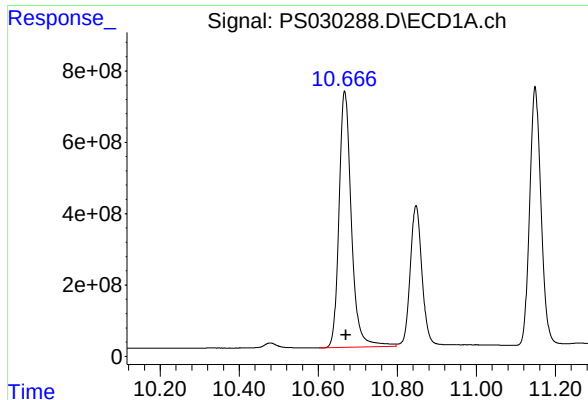
#14 DINOSEB

R.T.: 10.847 min
Delta R.T.: -0.004 min
Response: 8066383823
Conc: 705.33 ng/ml



#14 DINOSEB

R.T.: 10.852 min
Delta R.T.: -0.007 min
Response: 4874315320
Conc: 713.46 ng/ml



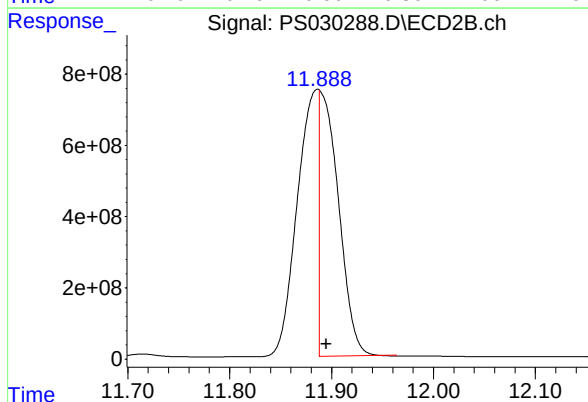
#15 Picloram

R.T.: 10.667 min
Delta R.T.: -0.003 min
Response: 15583585126
Conc: 728.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

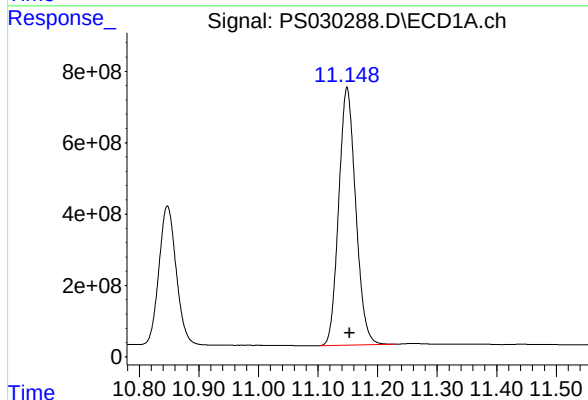
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



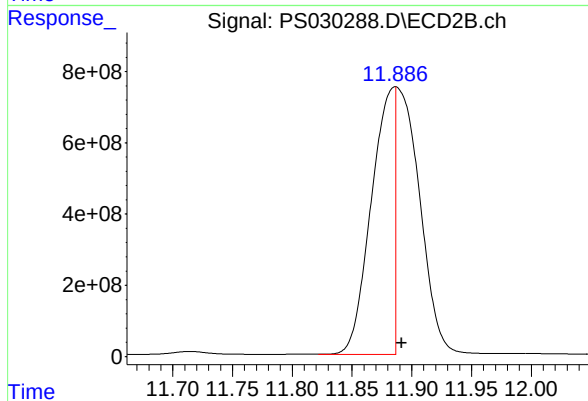
#15 Picloram

R.T.: 11.888 min
Delta R.T.: -0.007 min
Response: 9714510974
Conc: 690.29 ng/ml m



#16 DCPA

R.T.: 11.149 min
Delta R.T.: -0.004 min
Response: 14311132415
Conc: 718.74 ng/ml



#16 DCPA

R.T.: 11.886 min
Delta R.T.: -0.005 min
Response: 10023647128
Conc: 741.91 ng/ml m

Analytical Sequence

Client: Nobis Group	SDG No.: Q1984	
Project: Raymark Superfund Site	Instrument ID: ECD_S	
GC Column: RTX-CLP	ID: 0.32 (mm)	Inst. Calib. Date(s): 05/12/2025 05/12/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	05/12/2025	12:06	PS030124.D	6.93	0.00
HSTDICC200	HSTDICC200	05/12/2025	12:30	PS030125.D	6.93	0.00
HSTDICC500	HSTDICC500	05/12/2025	12:54	PS030126.D	6.93	0.00
HSTDICC750	HSTDICC750	05/12/2025	13:18	PS030127.D	6.93	0.00
HSTDICC1000	HSTDICC1000	05/12/2025	13:42	PS030128.D	6.93	0.00
HSTDICC1500	HSTDICC1500	05/12/2025	14:06	PS030129.D	6.93	0.00
IBLK	IBLK	05/15/2025	15:42	PS030235.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	16:06	PS030236.D	6.93	0.00
TP-9MS	Q1982-08MS	05/15/2025	16:30	PS030237.D	6.93	0.00
TP-9MSD	Q1982-08MSD	05/15/2025	16:54	PS030238.D	6.93	0.00
OU4-PCS-TC-33-050725	Q1984-01	05/15/2025	19:43	PS030245.D	6.93	0.00
OU4-PCS-TC-34-050725	Q1984-03	05/15/2025	20:07	PS030246.D	6.93	0.00
IBLK	IBLK	05/15/2025	20:31	PS030247.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	20:55	PS030248.D	6.93	0.00
OU4-PCS-TC-35-050725	Q1984-05	05/15/2025	21:19	PS030249.D	6.93	0.00
OU4-TS-24-050725	Q1984-07	05/15/2025	21:43	PS030250.D	6.93	0.00
OU4-TS-25-050725	Q1984-09	05/15/2025	22:08	PS030251.D	6.93	0.00
OU4-TS-26-050725	Q1984-11	05/15/2025	22:32	PS030252.D	6.93	0.00
OU4-TS-27-050725	Q1984-13	05/15/2025	22:56	PS030253.D	6.93	0.00
OU4-TS-28-050725	Q1984-15	05/15/2025	23:20	PS030254.D	6.93	0.00
IBLK	IBLK	05/15/2025	23:44	PS030255.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/16/2025	00:08	PS030256.D	6.93	0.00
IBLK	IBLK	05/19/2025	16:12	PS030275.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/19/2025	16:37	PS030276.D	6.93	0.00
PB167996BL	PB167996BL	05/19/2025	17:49	PS030279.D	6.93	0.00
PB167996BS	PB167996BS	05/19/2025	18:13	PS030280.D	6.93	0.00
IBLK	IBLK	05/19/2025	21:02	PS030287.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/19/2025	21:26	PS030288.D	6.93	0.00

Analytical Sequence

Client: Nobis Group	SDG No.: Q1984	
Project: Raymark Superfund Site	Instrument ID: ECD_S	
GC Column: RTX-CLP2	ID: 0.32 (mm)	Inst. Calib. Date(s): 05/12/2025 05/12/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	05/12/2025	12:06	PS030124.D	7.45	0.00
HSTDICC200	HSTDICC200	05/12/2025	12:30	PS030125.D	7.45	0.00
HSTDICC500	HSTDICC500	05/12/2025	12:54	PS030126.D	7.45	0.00
HSTDICC750	HSTDICC750	05/12/2025	13:18	PS030127.D	7.45	0.00
HSTDICC1000	HSTDICC1000	05/12/2025	13:42	PS030128.D	7.45	0.00
HSTDICC1500	HSTDICC1500	05/12/2025	14:06	PS030129.D	7.45	0.00
IBLK	IBLK	05/15/2025	15:42	PS030235.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	16:06	PS030236.D	7.45	0.00
TP-9MS	Q1982-08MS	05/15/2025	16:30	PS030237.D	7.45	0.00
TP-9MSD	Q1982-08MSD	05/15/2025	16:54	PS030238.D	7.45	0.00
OU4-PCS-TC-33-050725	Q1984-01	05/15/2025	19:43	PS030245.D	7.45	0.00
OU4-PCS-TC-34-050725	Q1984-03	05/15/2025	20:07	PS030246.D	7.45	0.00
IBLK	IBLK	05/15/2025	20:31	PS030247.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	20:55	PS030248.D	7.45	0.00
OU4-PCS-TC-35-050725	Q1984-05	05/15/2025	21:19	PS030249.D	7.45	0.00
OU4-TS-24-050725	Q1984-07	05/15/2025	21:43	PS030250.D	7.45	0.00
OU4-TS-25-050725	Q1984-09	05/15/2025	22:08	PS030251.D	7.45	0.00
OU4-TS-26-050725	Q1984-11	05/15/2025	22:32	PS030252.D	7.45	0.00
OU4-TS-27-050725	Q1984-13	05/15/2025	22:56	PS030253.D	7.45	0.00
OU4-TS-28-050725	Q1984-15	05/15/2025	23:20	PS030254.D	7.45	0.00
IBLK	IBLK	05/15/2025	23:44	PS030255.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/16/2025	00:08	PS030256.D	7.45	0.00
IBLK	IBLK	05/19/2025	16:12	PS030275.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/19/2025	16:37	PS030276.D	7.45	0.00
PB167996BL	PB167996BL	05/19/2025	17:49	PS030279.D	7.45	0.00
PB167996BS	PB167996BS	05/19/2025	18:13	PS030280.D	7.45	0.00
IBLK	IBLK	05/19/2025	21:02	PS030287.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/19/2025	21:26	PS030288.D	7.45	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167996BS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1984

SAS No.: Q1984

SDG NO.: Q1984

Lab Sample ID: PB167996BS

Date(s) Analyzed: 05/19/2025

05/19/2025

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		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	9.13	9.08	9.18	178	2.3
	2	9.92	9.87	9.97	174	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	177	1.1
	2	9.52	9.47	9.57	175	
2,4-D	1	8.01	7.96	8.06	174	1.2
	2	8.64	8.59	8.69	172	
2,4-DB	1	9.69	9.64	9.74	188	21.2
	2	10.48	10.43	10.53	152	
Dalapon	1	2.45	2.40	2.50	168	3
	2	2.52	2.47	2.57	163	
DICHLORPROP	1	7.79	7.74	7.84	172	2.9
	2	8.33	8.28	8.38	167	
Dinoseb	1	10.85	10.80	10.90	175	2.3
	2	10.85	10.80	10.90	171	
DICAMBA	1	7.11	7.06	7.16	173	2.3
	2	7.64	7.59	7.69	169	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-9MS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1984

SAS No.: Q1984

SDG NO.: Q1984

Lab Sample ID: Q1982-08MS

Date(s) Analyzed: 05/15/2025

05/15/2025

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		CONCENTRATION	%RPD
			FROM	TO		
Dalapon	1	2.44	2.39	2.49	140	64.1
	2	2.52	2.47	2.57	272	
DICHLORPROP	1	7.79	7.74	7.84	170	1.7
	2	8.33	8.28	8.38	173	
2,4-D	1	8.01	7.96	8.06	181	1.7
	2	8.64	8.59	8.69	178	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	161	4.3
	2	9.52	9.47	9.57	168	
2,4,5-T	1	9.13	9.08	9.18	154	5.7
	2	9.92	9.87	9.97	163	
2,4-DB	1	9.69	9.64	9.74	128	21
	2	10.48	10.43	10.53	158	
Dinoseb	1	10.85	10.80	10.90	14.3	142.9
	2	10.83	10.78	10.88	85.8	
DICAMBA	1	7.11	7.06	7.16	152	0.7
	2	7.64	7.59	7.69	153	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-9MSD

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1984

SAS No.: Q1984

SDG NO.: Q1984

Lab Sample ID: Q1982-08MSD

Date(s) Analyzed: 05/15/2025

05/15/2025

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		CONCENTRATION	%RPD
			FROM	TO		
Dalapon	1	2.44	2.39	2.49	160	64.7
	2	2.52	2.47	2.57	313	
DICHLORPROP	1	7.79	7.74	7.84	198	1.5
	2	8.33	8.28	8.38	195	
2,4-D	1	8.01	7.96	8.06	207	1.5
	2	8.64	8.59	8.69	204	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	182	7.4
	2	9.52	9.47	9.57	196	
2,4,5-T	1	9.13	9.08	9.18	175	7.7
	2	9.92	9.87	9.97	189	
2,4-DB	1	9.69	9.64	9.74	145	25.3
	2	10.48	10.43	10.53	187	
DICAMBA	1	7.11	7.06	7.16	174	3.4
	2	7.64	7.59	7.69	180	



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB167996BL		SDG No.:	Q1984	
Lab Sample ID:	PB167996BL		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
PS030279.D	1	05/14/25 08:30	05/19/25 17:49	PB167996

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	473		27 - 122		95%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
 Data File : PS030279.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 17:49
 Operator : AR\AJ
 Sample : PB167996BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB167996BL

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 05:42:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.932	7.450	1348.1E6	360.2E6	473.371	450.084m
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Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:49
Operator : AR\AJ
Sample : PB167996BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB167996BL

Manual Integrations

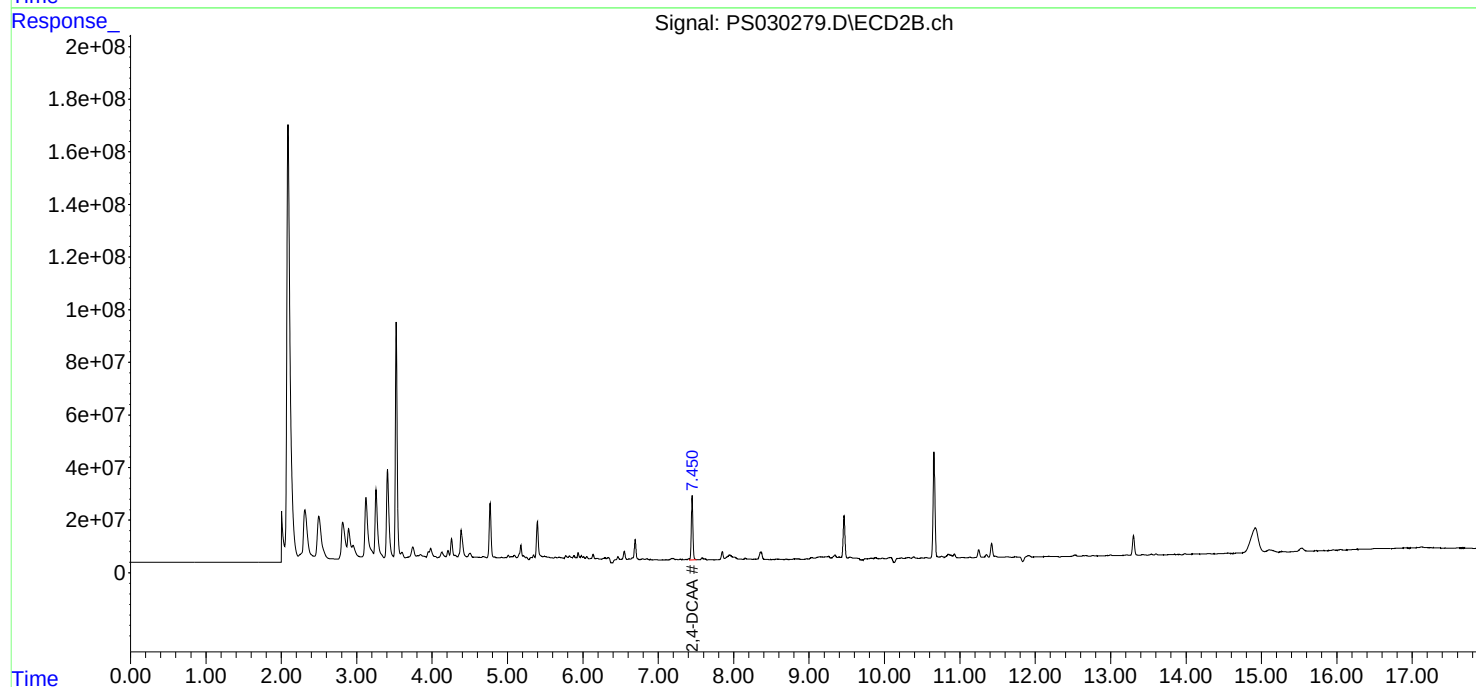
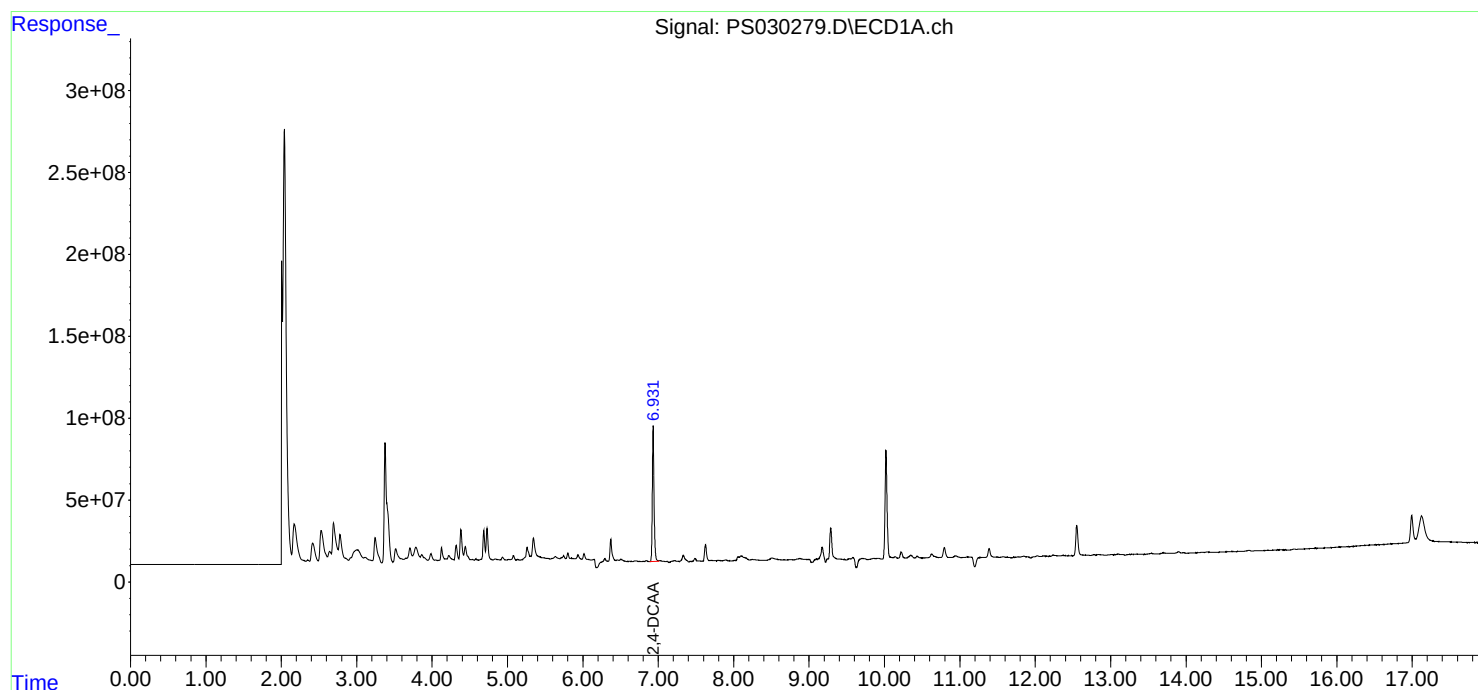
APPROVED

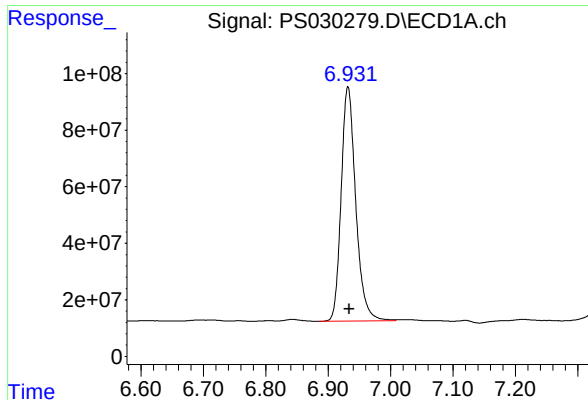
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:42:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





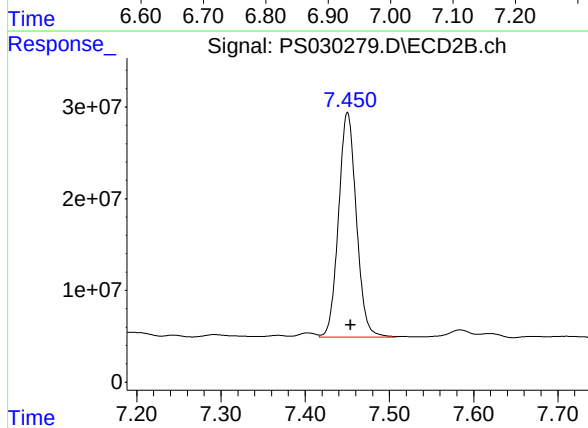
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 1348070503
Conc: 473.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



#4 2,4-DCAA

R.T.: 7.450 min
Delta R.T.: -0.004 min
Response: 360159126
Conc: 450.08 ng/ml

Report of Analysis

Client:	Nobis Group		Date Collected:	05/12/25	
Project:	Raymark Superfund Site		Date Received:	05/12/25	
Client Sample ID:	PIBLK-PS030124.D		SDG No.:	Q1984	
Lab Sample ID:	I.BLK-PS030124.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
PS030124.D	1		05/12/25	PS051225

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	419		32 - 138		84%	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\PS051225\
 Data File : PS030124.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 12:06
 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: May 12 14:30:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.934	7.454	1194.2E6	334.3E6	419.337	417.753
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Target Compounds

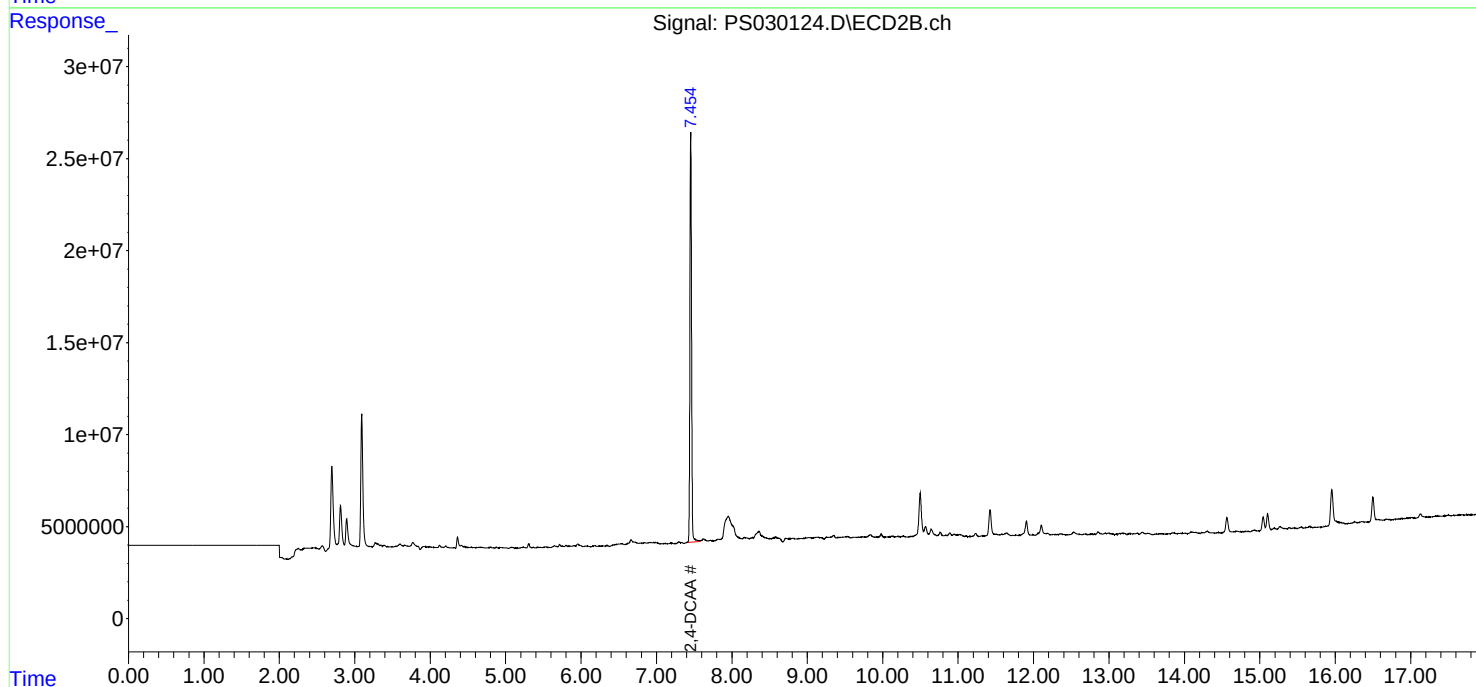
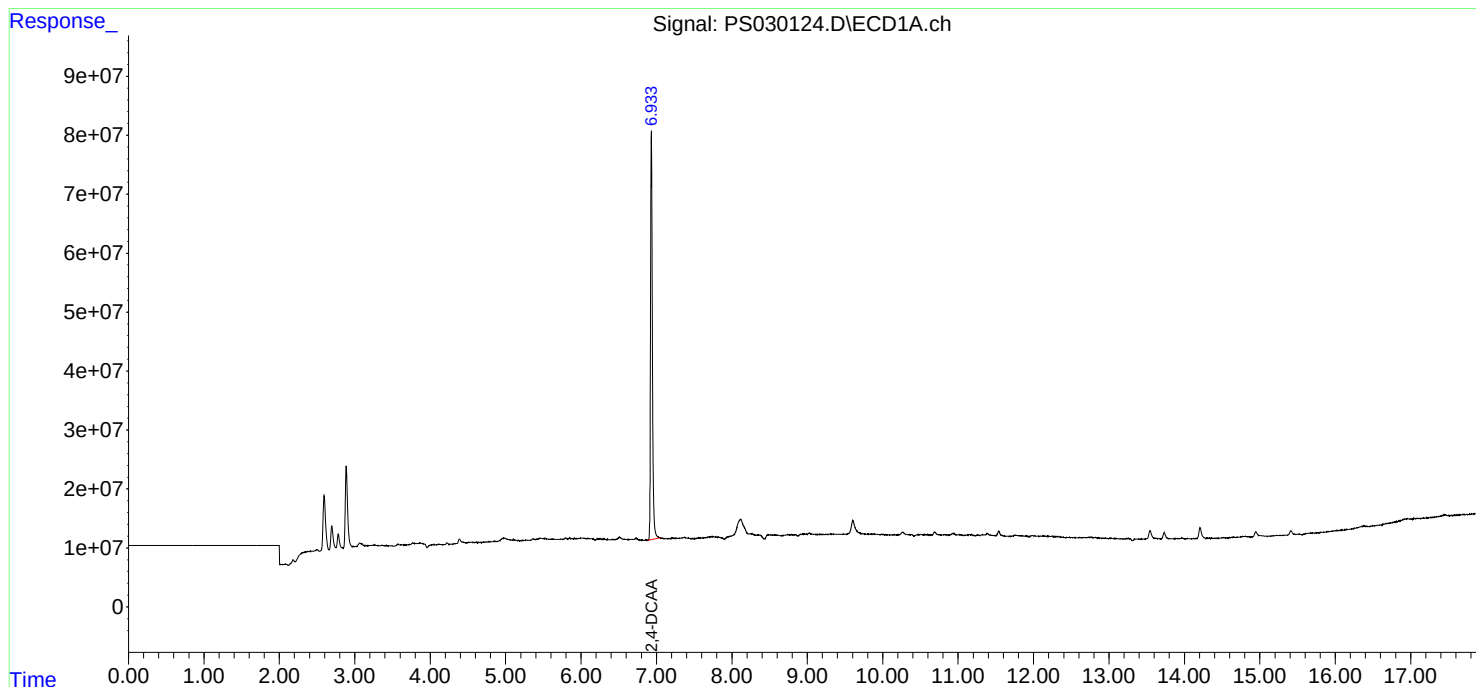
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

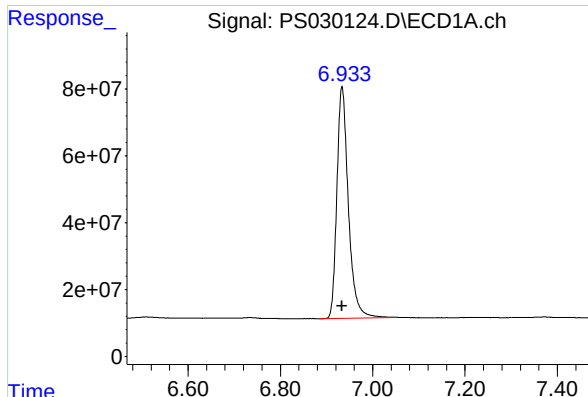
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:06
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:30:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#4 2,4-DCAA

R.T.: 6.934 min

Delta R.T.: 0.000 min

Response: 1194190207

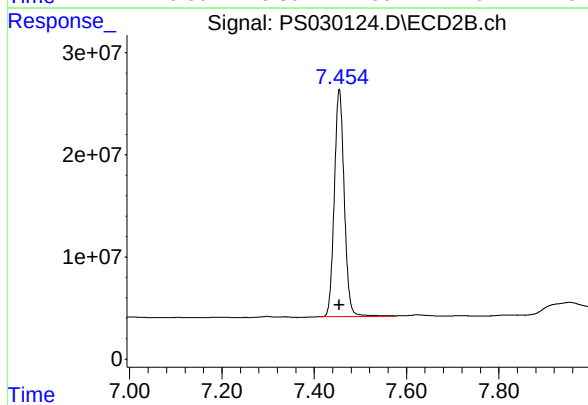
Conc: 419.34 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.454 min

Delta R.T.: 0.000 min

Response: 334287239

Conc: 417.75 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	05/15/25
Project:	Raymark Superfund Site	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030235.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PS030235.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030235.D	1		05/15/25	PS051525

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	462		32 - 138		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\PS051525\
 Data File : PS030235.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 15:42
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/16/2025
 Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:19:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.932	7.446	1284.6E6	369.5E6	451.085	461.721m
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Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 15:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

I.BLK

Manual Integrations

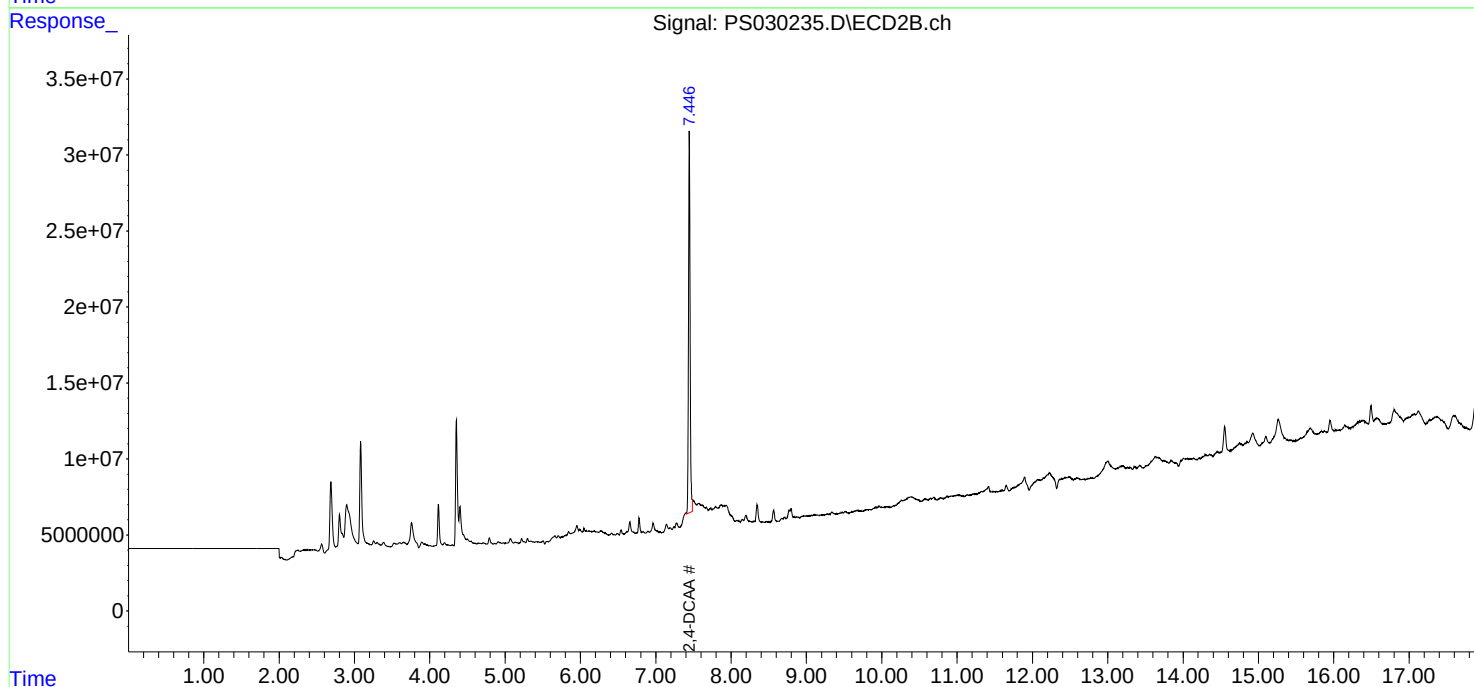
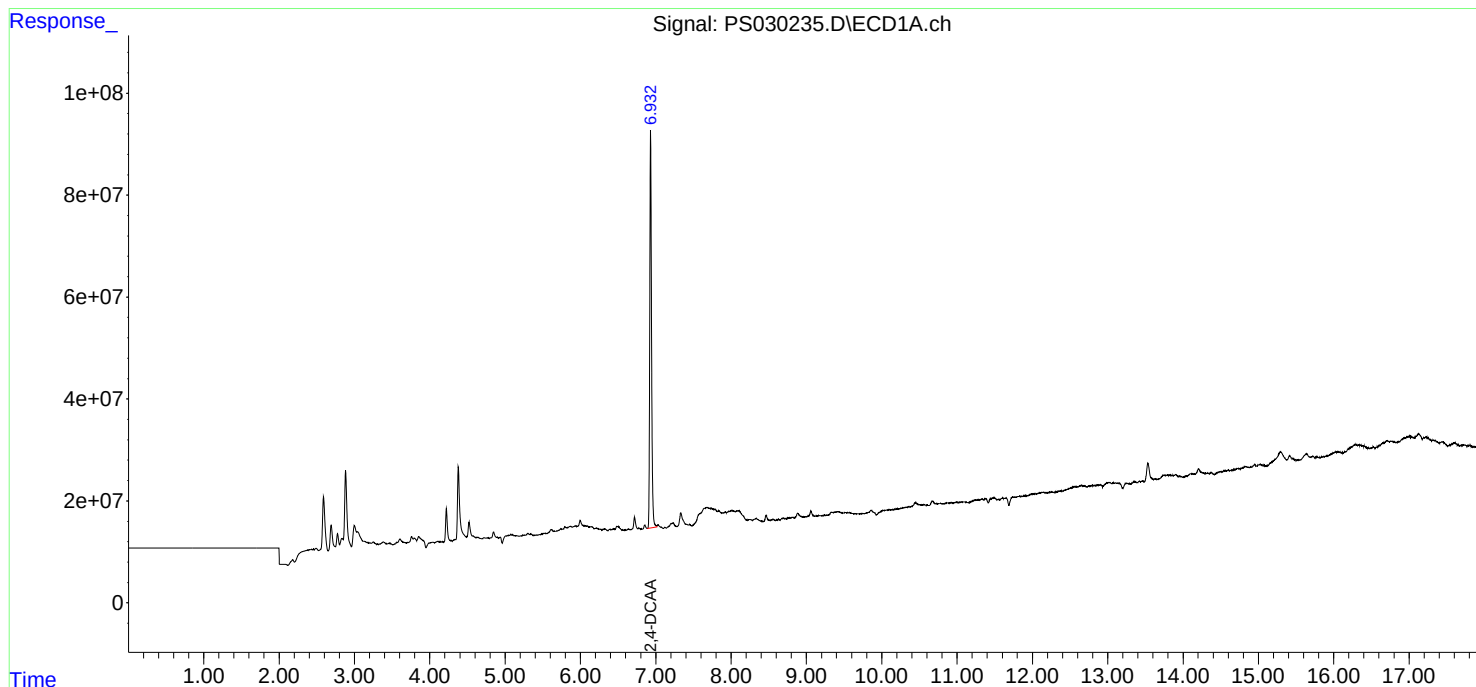
APPROVED

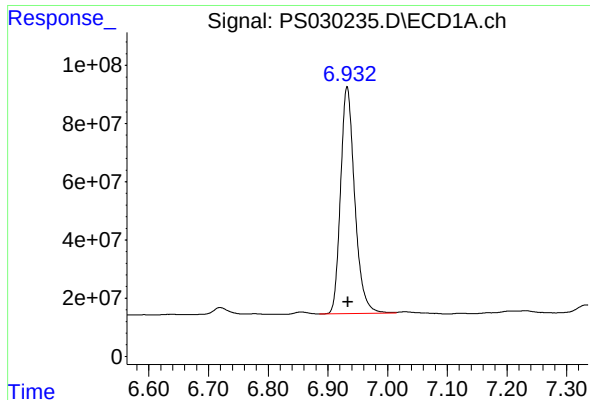
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:19:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





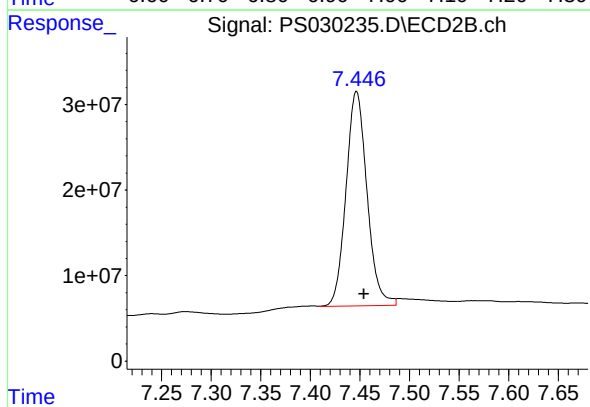
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 1284604871
Conc: 451.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



#4 2,4-DCAA

R.T.: 7.446 min
Delta R.T.: -0.008 min
Response: 369470923
Conc: 461.72 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	05/15/25
Project:	Raymark Superfund Site	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030247.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PS030247.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030247.D	1		05/15/25	PS051525

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	531		32 - 138		106%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 20:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:20:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.933	7.452	1477.7E6	425.0E6	518.875	531.165
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Target Compounds

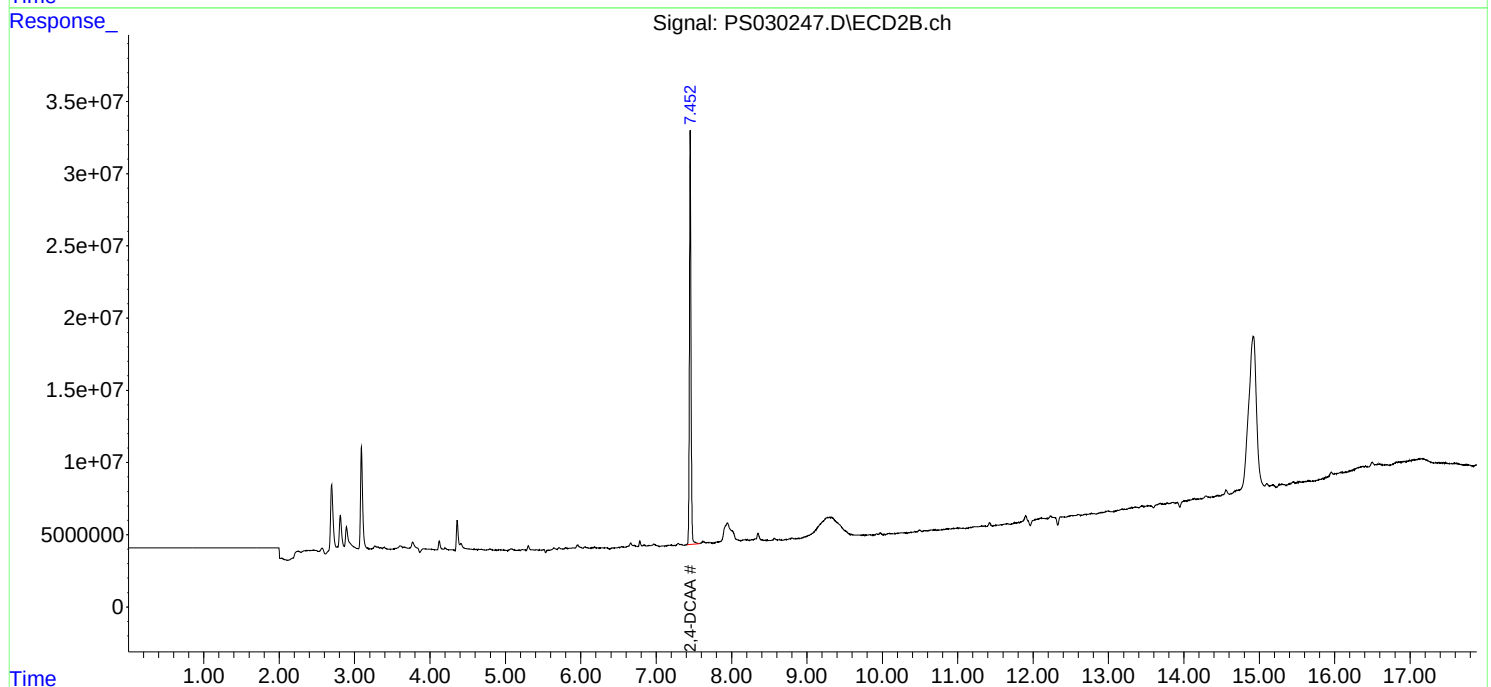
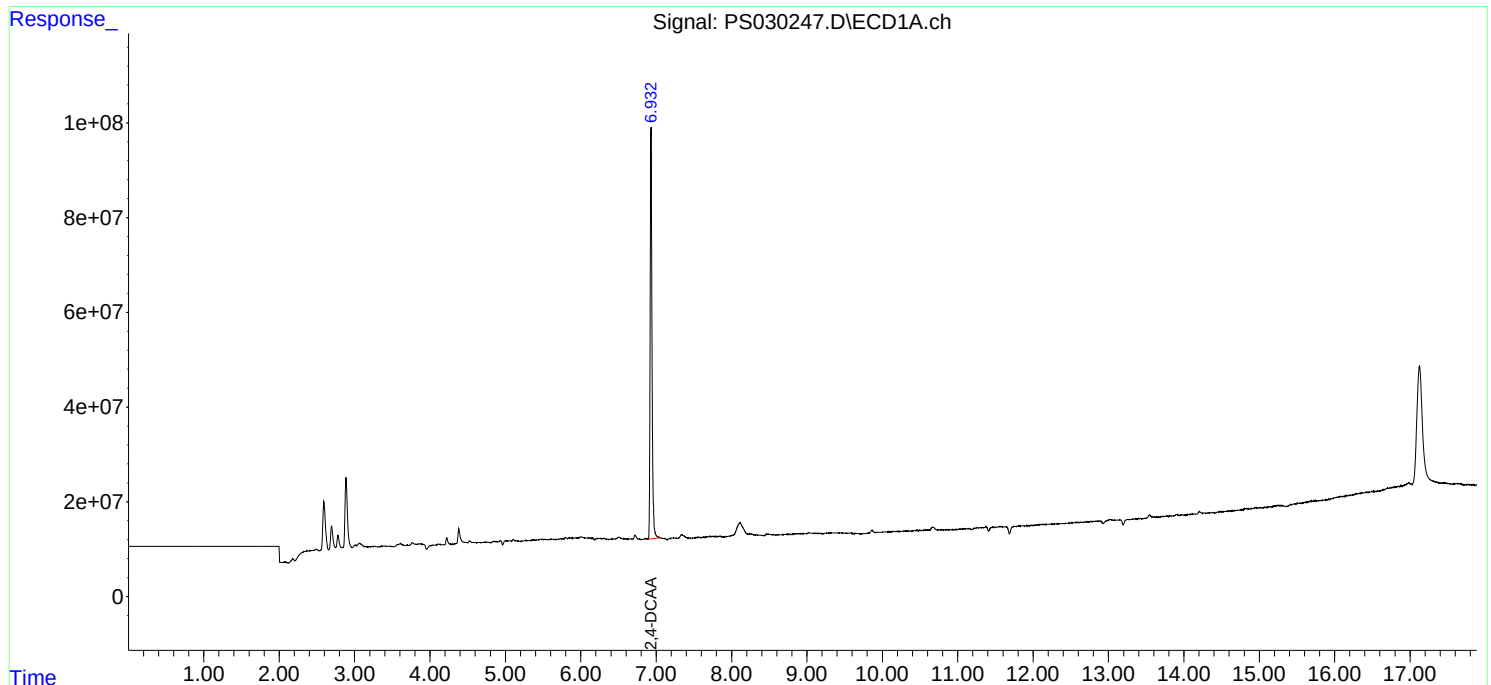
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

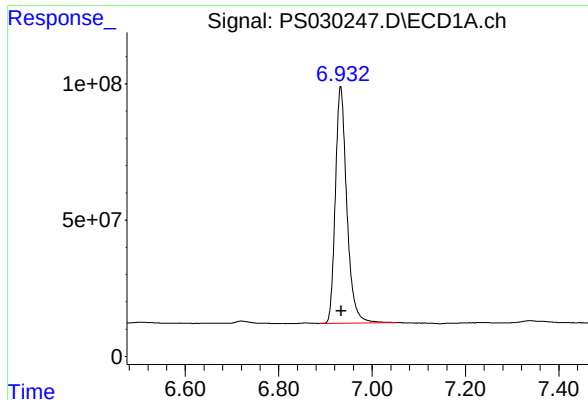
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 20:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:20:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

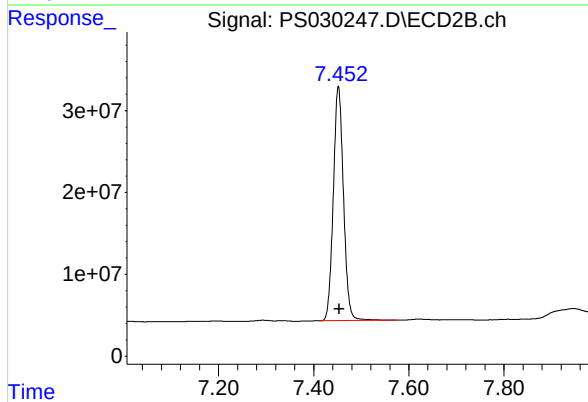




#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 1477657988
Conc: 518.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 425040095
Conc: 531.16 ng/ml

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Report of Analysis

Client:	Nobis Group	Date Collected:	05/15/25
Project:	Raymark Superfund Site	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030255.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PS030255.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030255.D	1		05/15/25	PS051525

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	527		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\PS051525\
 Data File : PS030255.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 23:44
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:20:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.932	7.452	1446.6E6	421.6E6	507.985	526.831
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Target Compounds

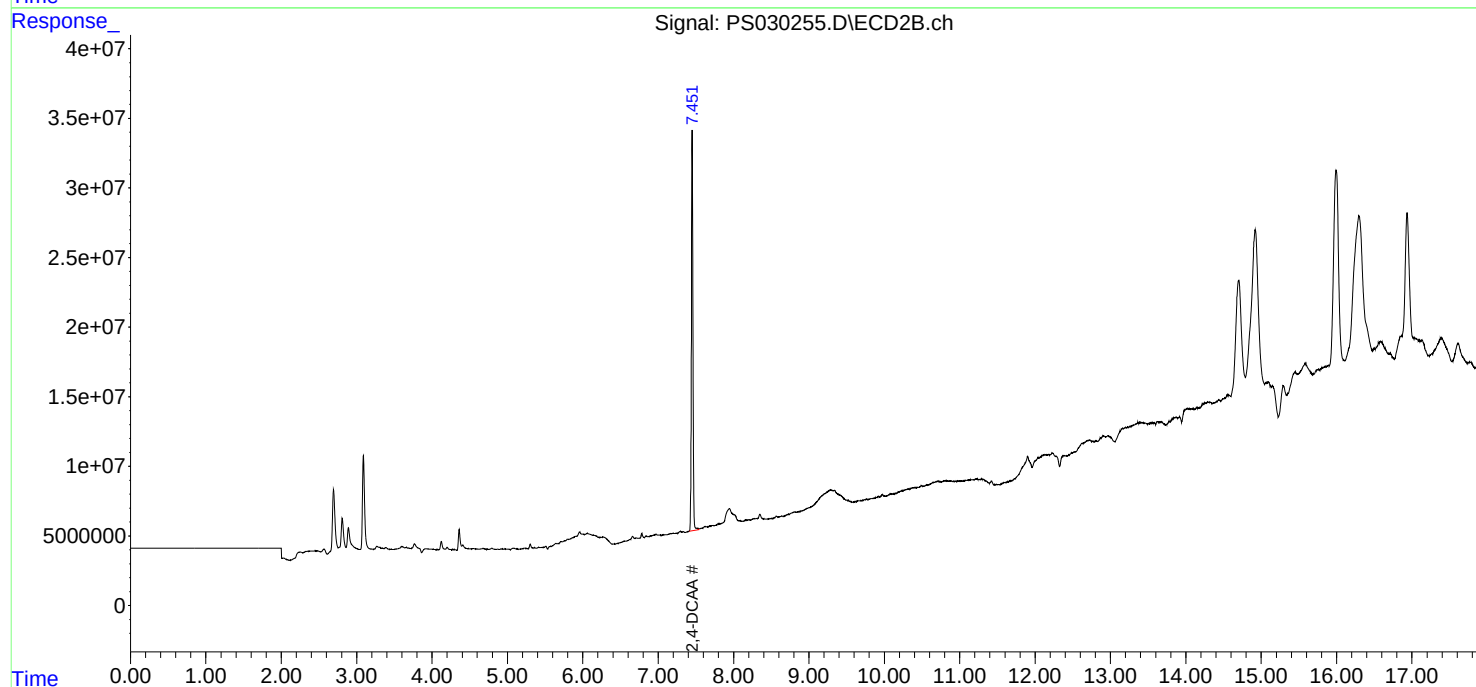
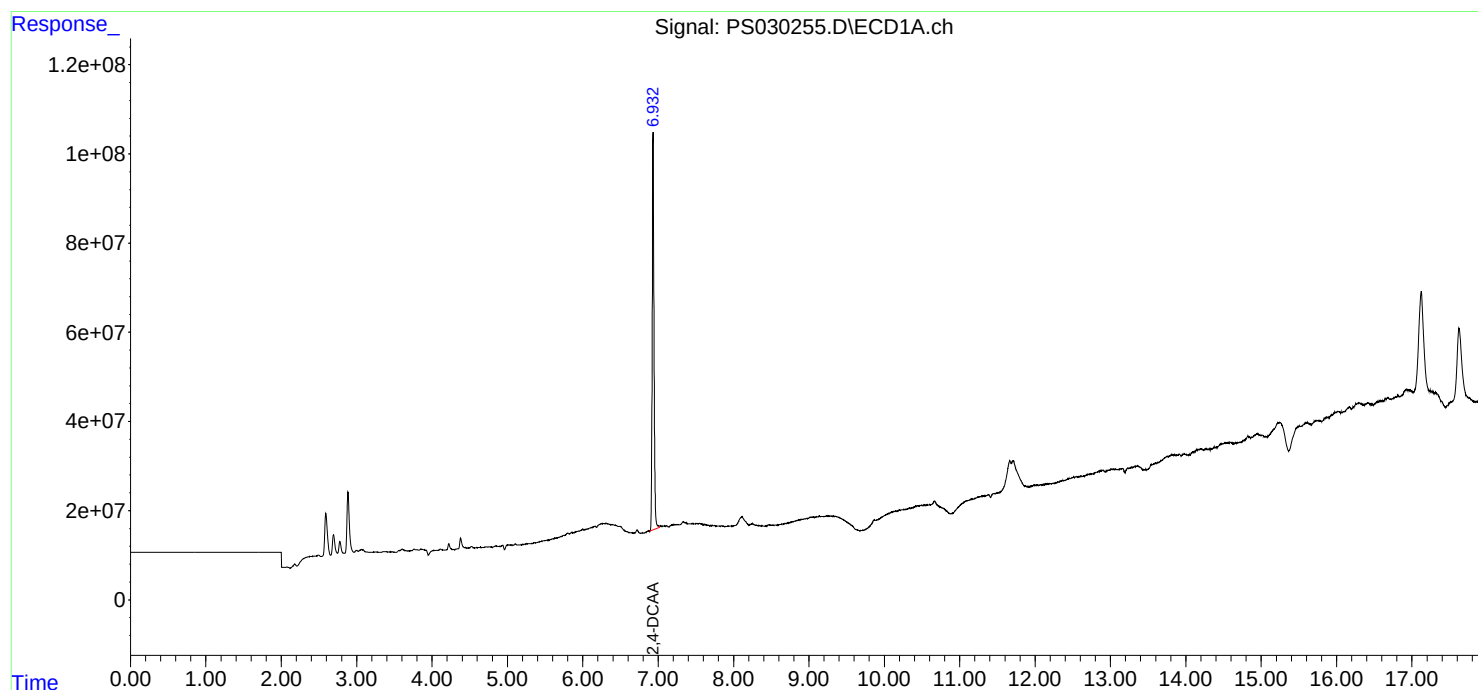
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

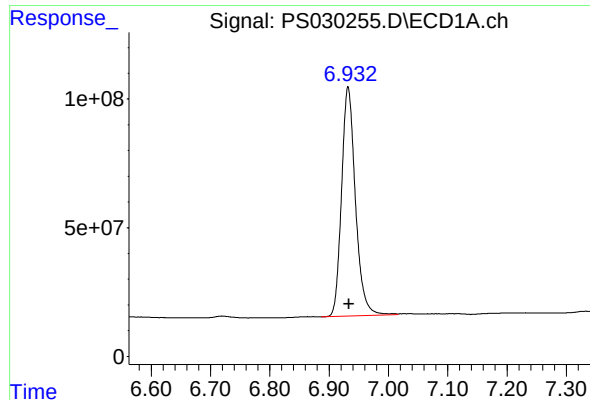
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 23:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:20:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

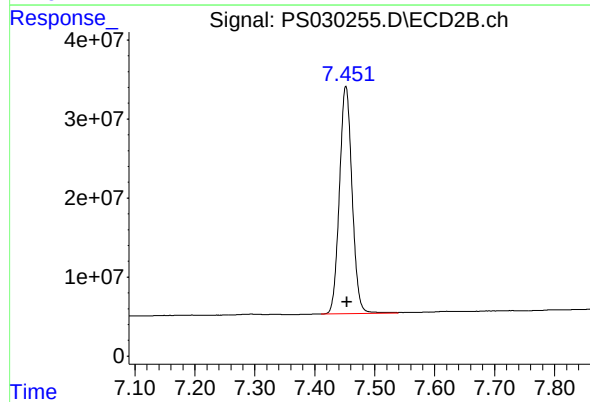




#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 1446643357
Conc: 507.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 421571923
Conc: 526.83 ng/ml

Report of Analysis

Client:	Nobis Group		Date Collected:	05/19/25	
Project:	Raymark Superfund Site		Date Received:	05/19/25	
Client Sample ID:	PIBLK-PS030275.D		SDG No.:	Q1984	
Lab Sample ID:	I.BLK-PS030275.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
PS030275.D	1		05/19/25	PS051925

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	471		32 - 138		94%	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\PS051925\
Data File : PS030275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:41:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
----------	------	------	--------	--------	-------	-------

System Monitoring Compounds

4) S	2,4-DCAA	6.932	7.451	1342.3E6	375.1E6	471.355	468.799
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Target Compounds

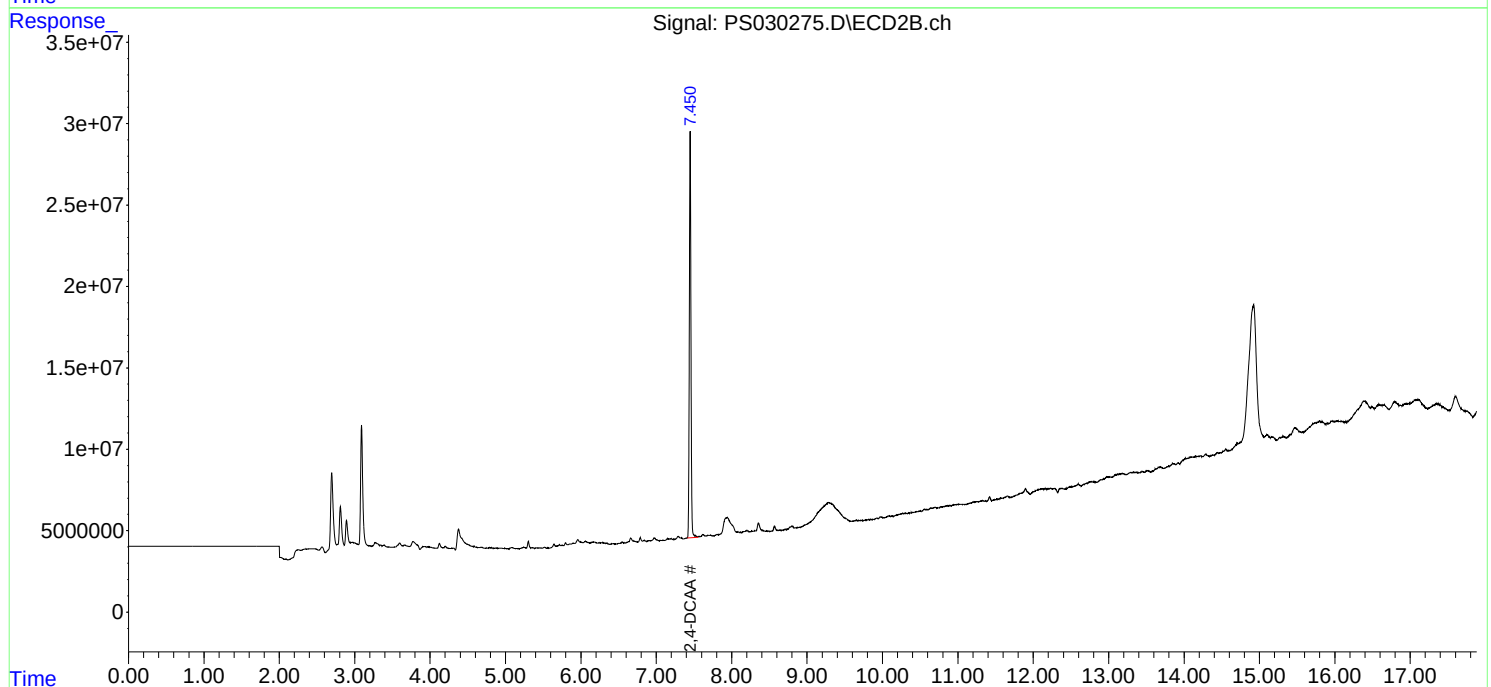
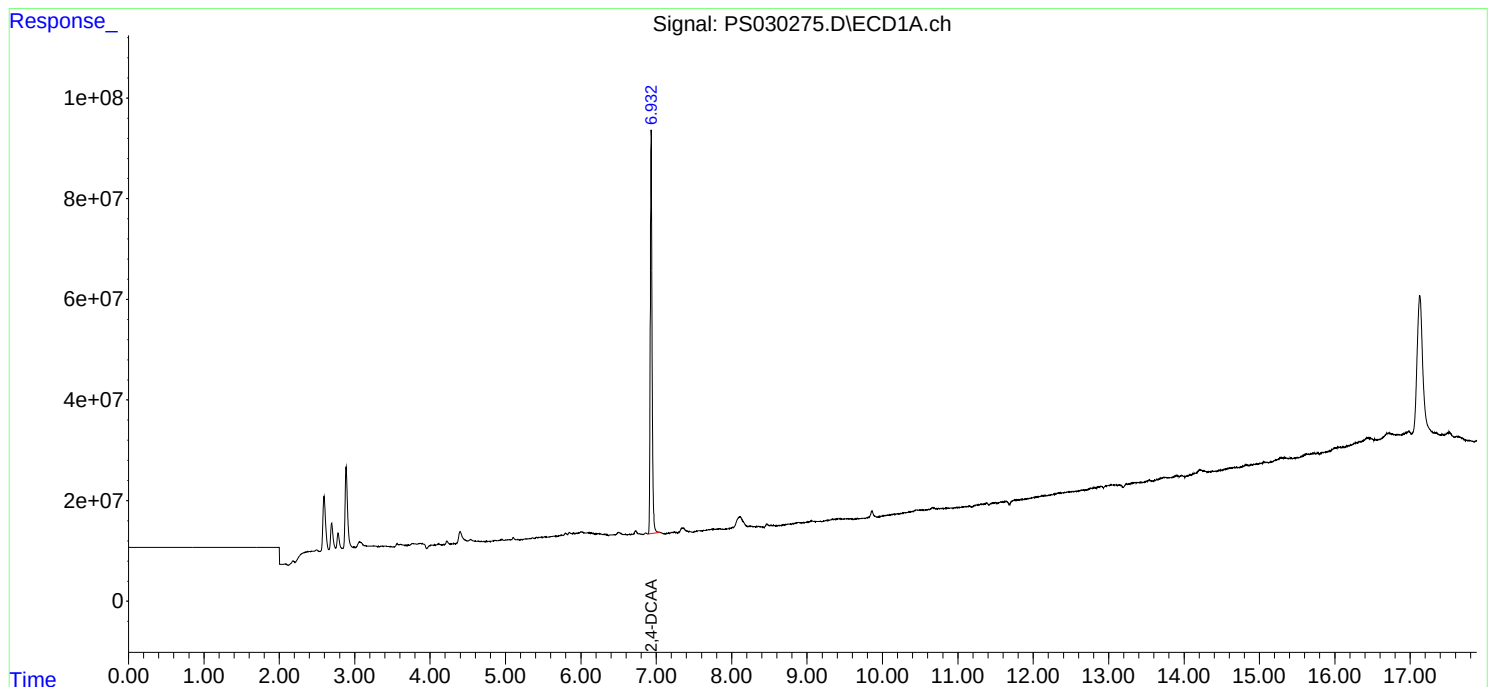
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

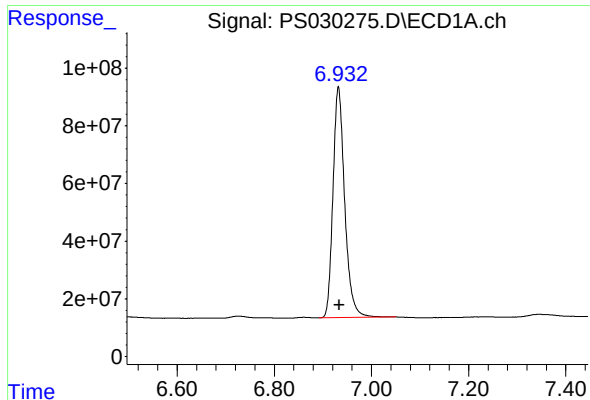
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:41:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#4 2,4-DCAA

R.T.: 6.932 min

Delta R.T.: -0.002 min

Response: 1342328855

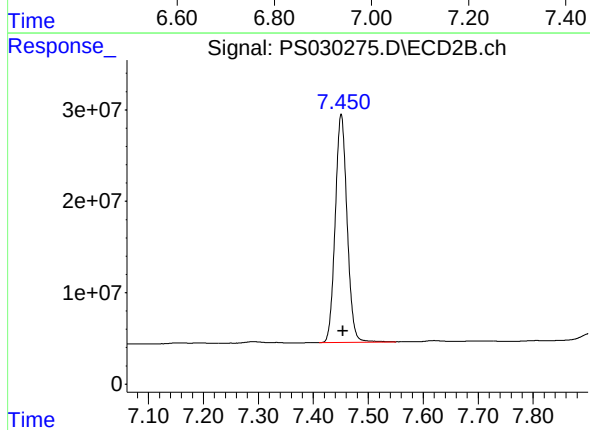
Conc: 471.36 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.451 min

Delta R.T.: -0.003 min

Response: 375134258

Conc: 468.80 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	05/19/25
Project:	Raymark Superfund Site	Date Received:	05/19/25
Client Sample ID:	PIBLK-PS030287.D	SDG No.:	Q1984
Lab Sample ID:	I.BLK-PS030287.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030287.D	1		05/19/25	PS051925

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	463		32 - 138		93%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
 Data File : PS030287.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 21:02
 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: May 20 05:45:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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
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System Monitoring Compounds

4) S	2,4-DCAA	6.931	7.450	1317.2E6	369.8E6	462.540	462.191
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Target Compounds

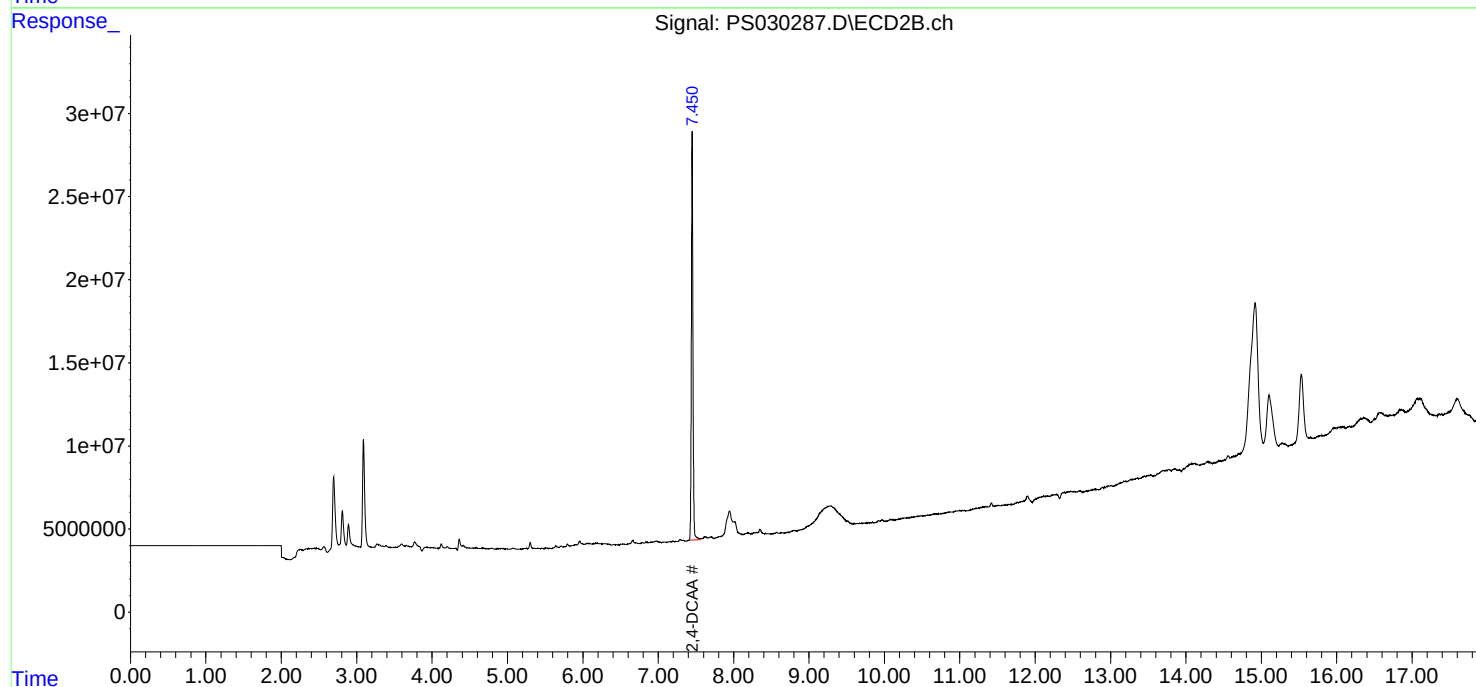
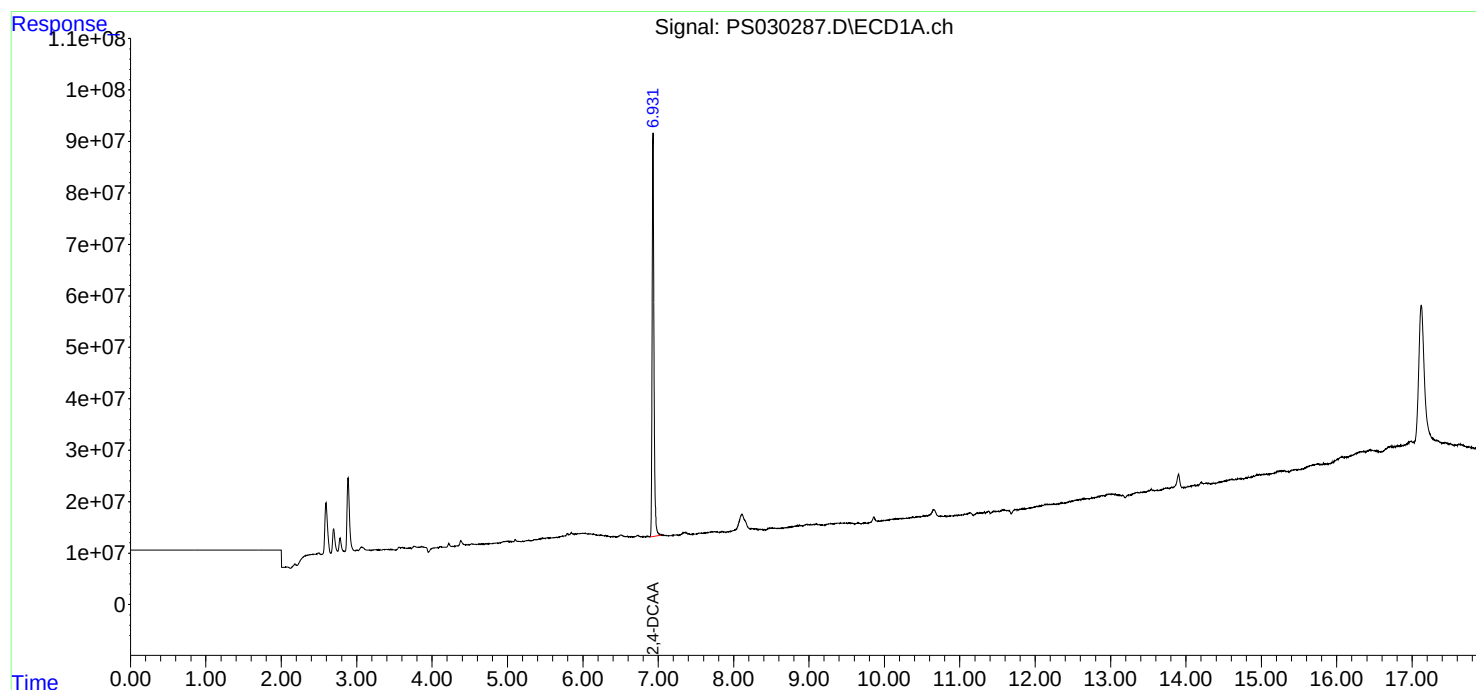
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

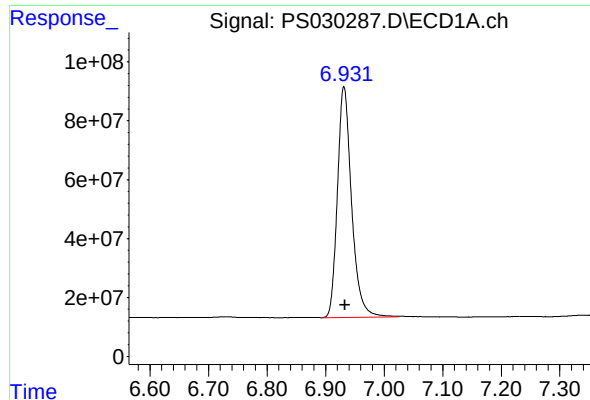
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:02
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:45:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#4 2,4-DCAA

R.T.: 6.931 min

Delta R.T.: -0.002 min

Response: 1317224645

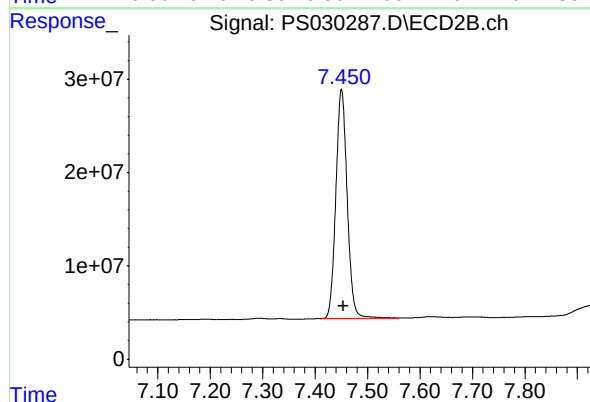
Conc: 462.54 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.450 min

Delta R.T.: -0.003 min

Response: 369846961

Conc: 462.19 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB167996BS	SDG No.:	Q1984
Lab Sample ID:	PB167996BS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030280.D	1	05/14/25 08:30	05/19/25 18:13	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.17		0.0077	0.033	0.067	mg/Kg
75-99-0	DALAPON	0.17		0.018	0.050	0.067	mg/Kg
120-36-5	DICHLORPROP	0.17		0.013	0.033	0.067	mg/Kg
94-75-7	2,4-D	0.17		0.0090	0.033	0.067	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.18		0.0091	0.033	0.067	mg/Kg
93-76-5	2,4,5-T	0.18		0.0087	0.033	0.067	mg/Kg
94-82-6	2,4-DB	0.19		0.024	0.033	0.067	mg/Kg
88-85-7	DINOSEB	0.18		0.011	0.033	0.067	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	554		27 - 122		111%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
 Data File : PS030280.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 18:13
 Operator : AR\AJ
 Sample : PB167996BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB167996BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 05:42:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	6.932	7.450	1576.6E6	431.7E6	553.633	539.470
Target Compounds						
1) T Dalapon	2.445	2.519	2484.1E6	993.0E6	505.384	488.932
2) T 3,5-DICHL...	6.137	6.451	2135.8E6	554.9E6	512.115	475.998
3) T 4-Nitroph...	6.723	6.986	1043.6E6	456.1E6	505.228	436.849
5) T DICAMBA	7.108	7.636	6004.5E6	2404.1E6	519.542	508.483
6) T MCPP	7.286	7.743	382.3E6	90072432	52.500	48.959
7) T MCPA	7.429	7.972	514.5E6	130.2E6	49.558	49.349
8) T DICHLORPROP	7.788	8.328	1509.5E6	592.8E6	516.725	501.772
9) T 2,4-D	8.008	8.640	1713.9E6	665.8E6	522.706	515.935
10) T Pentachlo...	8.285	9.140	21866.4E6	13204.8E6	539.902	534.935
11) T 2,4,5-TP ...	8.849	9.519	8605.9E6	5170.4E6	531.358	524.888
12) T 2,4,5-T	9.130	9.922	8831.4E6	4796.2E6	534.747	521.117
13) T 2,4-DB	9.688	10.480	1472.5E6	452.1E6	564.207	455.529
14) T DINOSEB	10.849	10.853	5993.5E6	3504.8E6	524.073	512.993
15) T Picloram	10.669	11.888	11372.7E6	7204.4E6	531.760	511.927m
16) T DCPA	11.150	11.888	10673.0E6	7246.9E6	536.021	536.390m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:13
Operator : AR\AJ
Sample : PB167996BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB167996BS

Manual Integrations

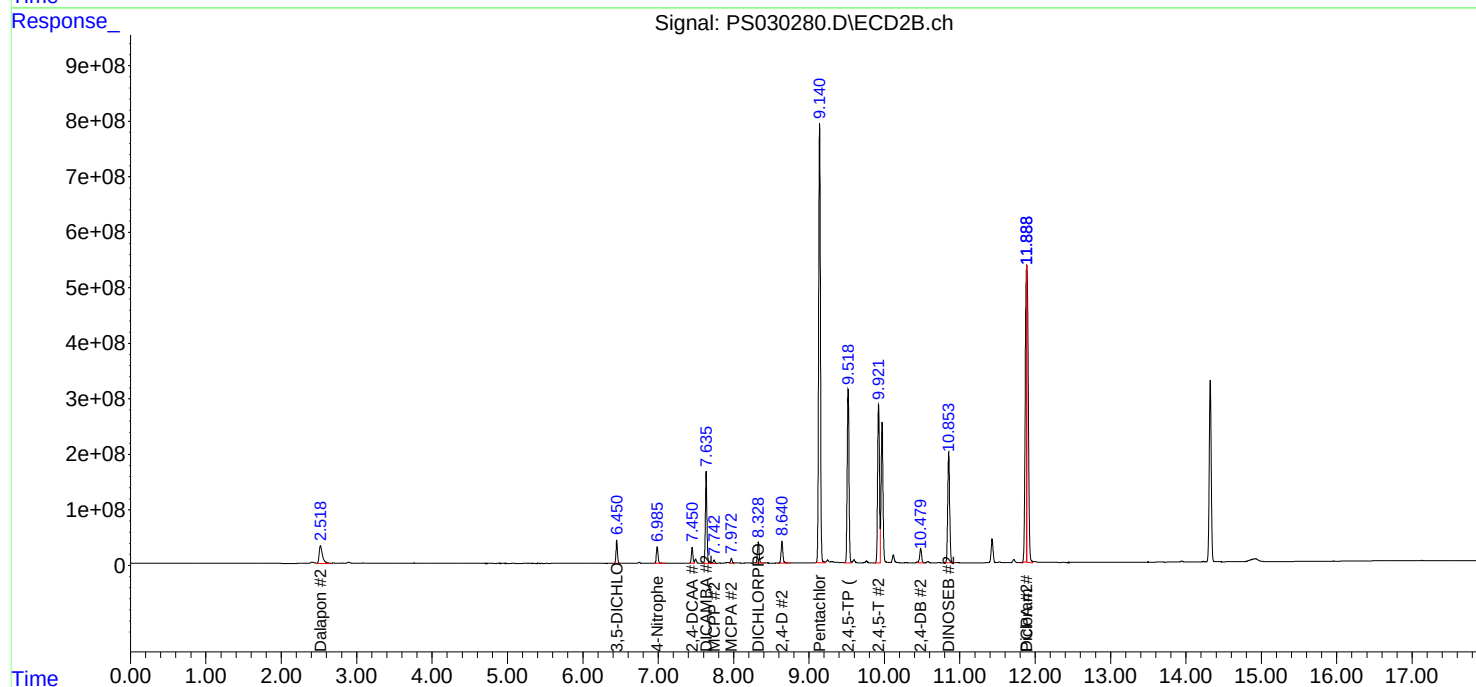
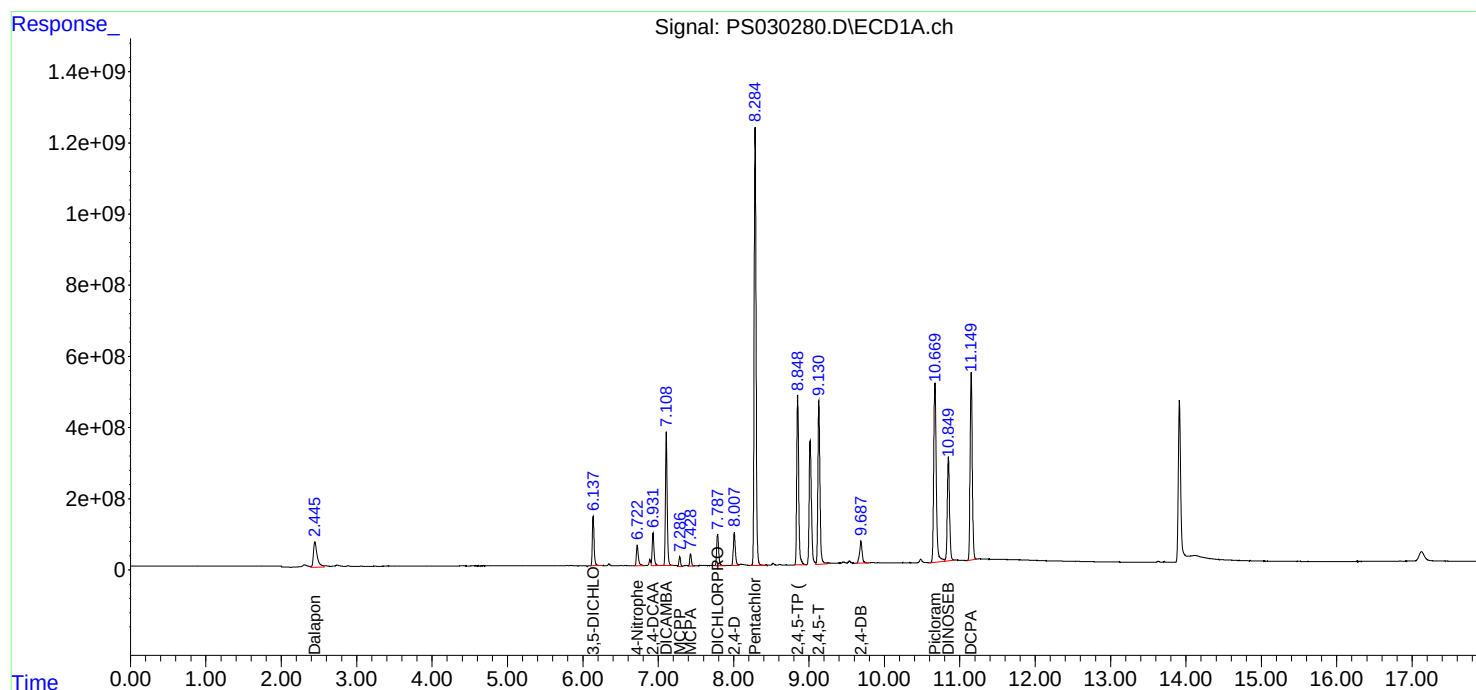
APPROVED

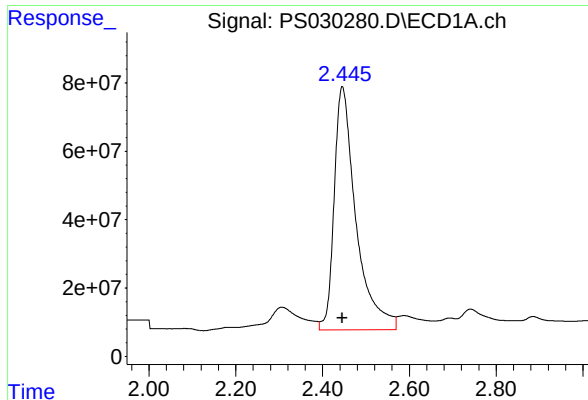
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:42:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Dalapon

R.T.: 2.445 min
 Delta R.T.: 0.000 min
 Response: 2484144721
 Conc: 505.38 ng/ml

Instrument :

ECD_S

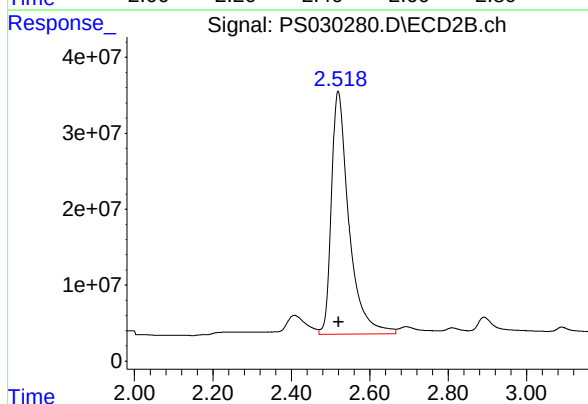
ClientSampleId :

PB167996BS

Manual Integrations

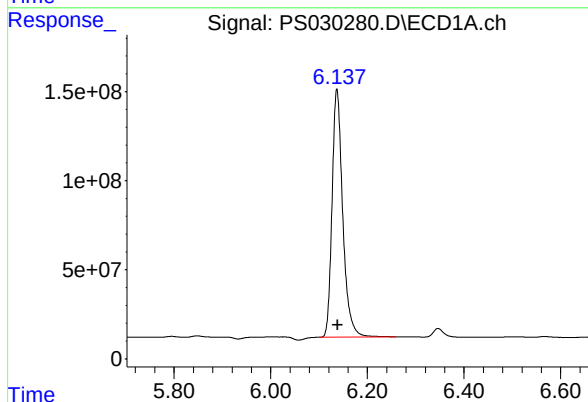
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
 Supervised By :mohammad ahmed 05/21/2025



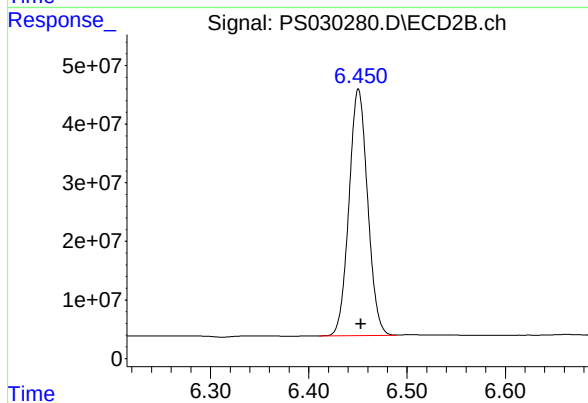
#1 Dalapon

R.T.: 2.519 min
 Delta R.T.: -0.001 min
 Response: 993044658
 Conc: 488.93 ng/ml



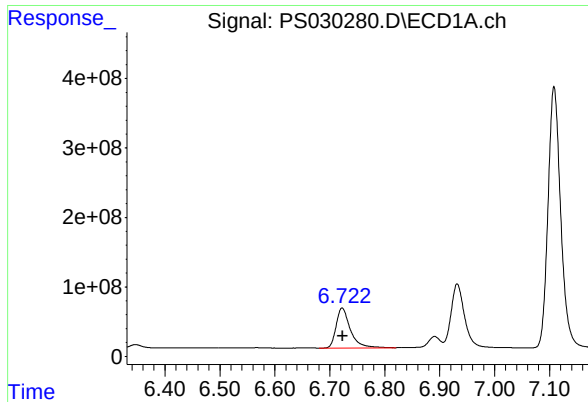
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.137 min
 Delta R.T.: -0.002 min
 Response: 2135803451
 Conc: 512.12 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.451 min
 Delta R.T.: -0.003 min
 Response: 554933055
 Conc: 476.00 ng/ml



#3 4-Nitrophenol

R.T.: 6.723 min
Delta R.T.: -0.001 min
Response: 1043605672
Conc: 505.23 ng/ml

Instrument :

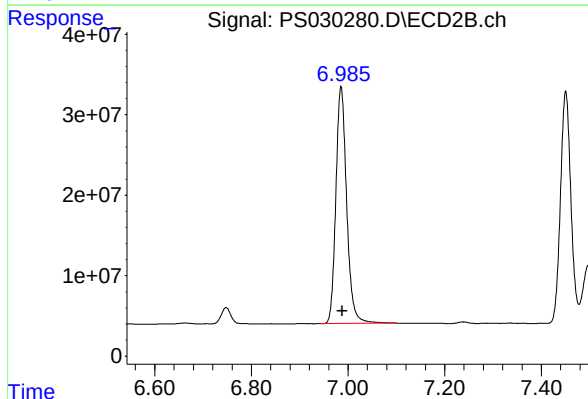
ECD_S

ClientSampleId :

PB167996BS

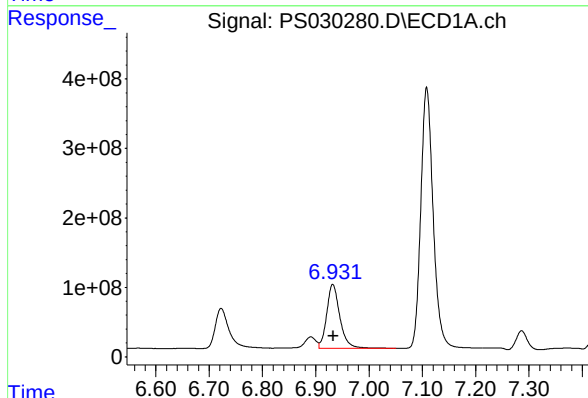
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



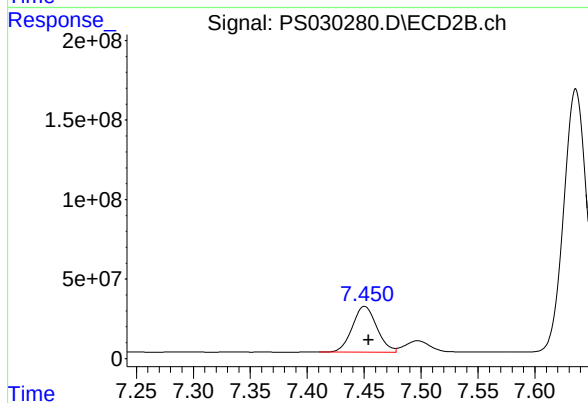
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.003 min
Response: 456084718
Conc: 436.85 ng/ml



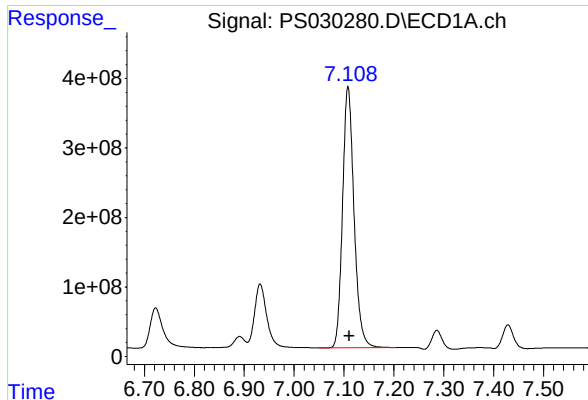
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 1576641973
Conc: 553.63 ng/ml



#4 2,4-DCAA

R.T.: 7.450 min
Delta R.T.: -0.003 min
Response: 431685634
Conc: 539.47 ng/ml



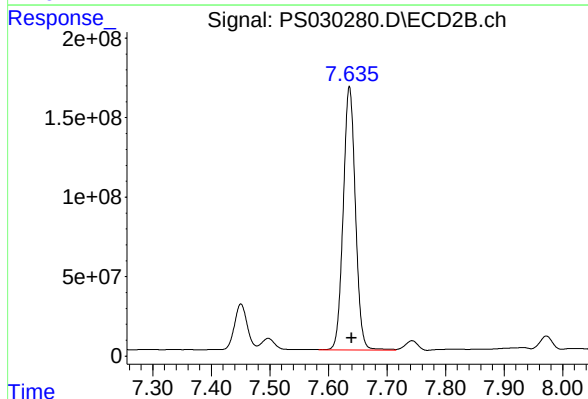
#5 DICAMBA

R.T.: 7.108 min
Delta R.T.: -0.002 min
Response: 6004533033
Conc: 519.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS

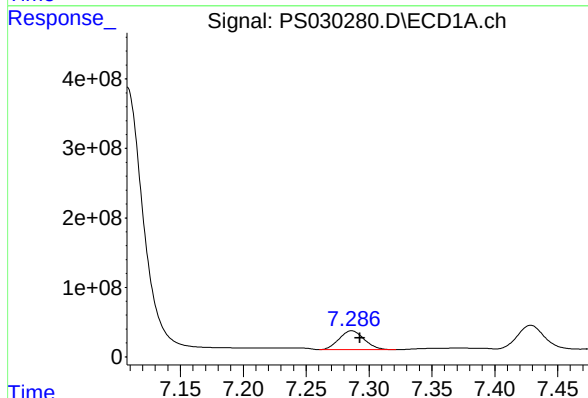
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



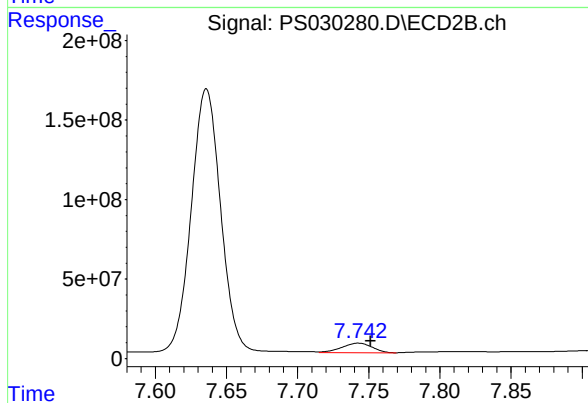
#5 DICAMBA

R.T.: 7.636 min
Delta R.T.: -0.004 min
Response: 2404097316
Conc: 508.48 ng/ml



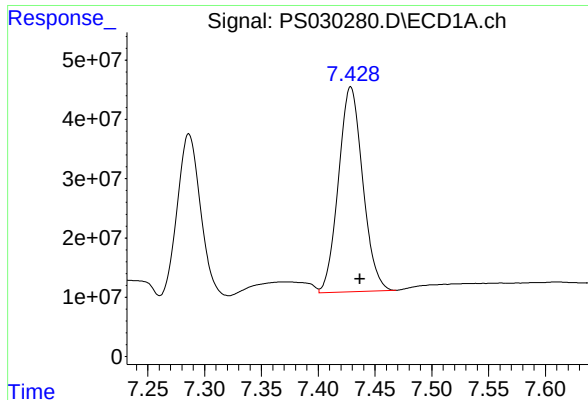
#6 MCPP

R.T.: 7.286 min
Delta R.T.: -0.007 min
Response: 382343106
Conc: 52.50 ug/ml



#6 MCPP

R.T.: 7.743 min
Delta R.T.: -0.009 min
Response: 90072432
Conc: 48.96 ug/ml



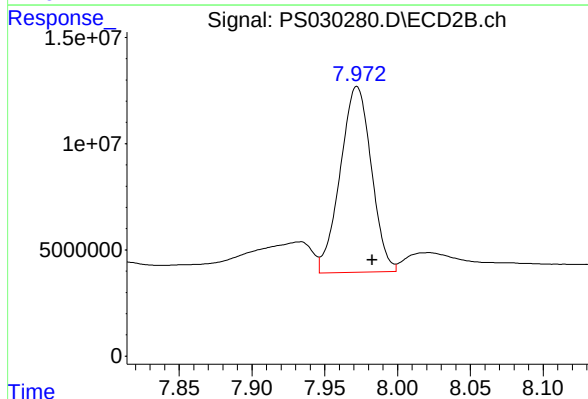
#7 MCPA

R.T.: 7.429 min
Delta R.T.: -0.008 min
Response: 514459729
Conc: 49.56 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS

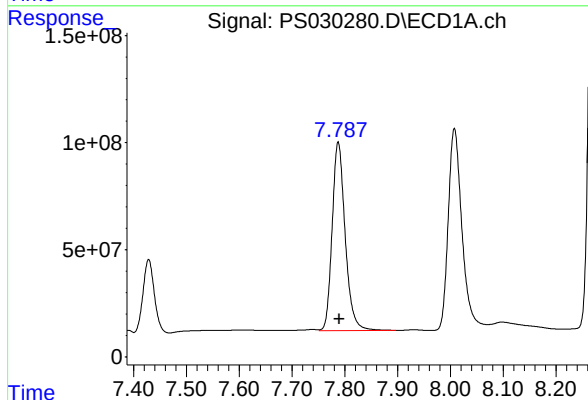
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



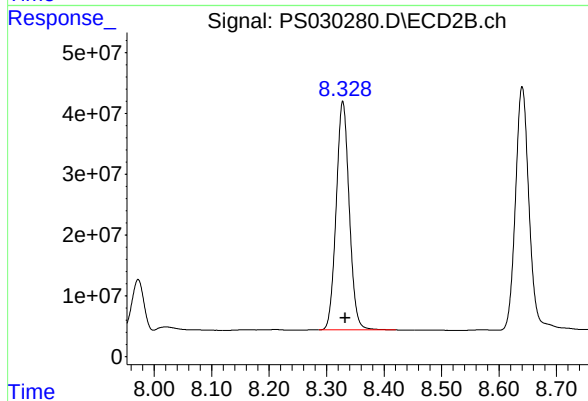
#7 MCPA

R.T.: 7.972 min
Delta R.T.: -0.011 min
Response: 130166566
Conc: 49.35 ug/ml



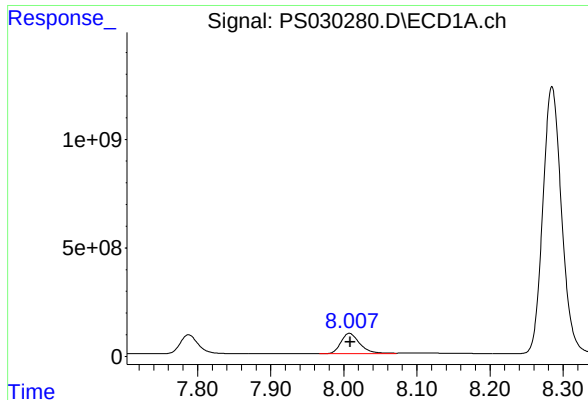
#8 DICHLORPROP

R.T.: 7.788 min
Delta R.T.: -0.002 min
Response: 1509532114
Conc: 516.73 ng/ml



#8 DICHLORPROP

R.T.: 8.328 min
Delta R.T.: -0.005 min
Response: 592809732
Conc: 501.77 ng/ml



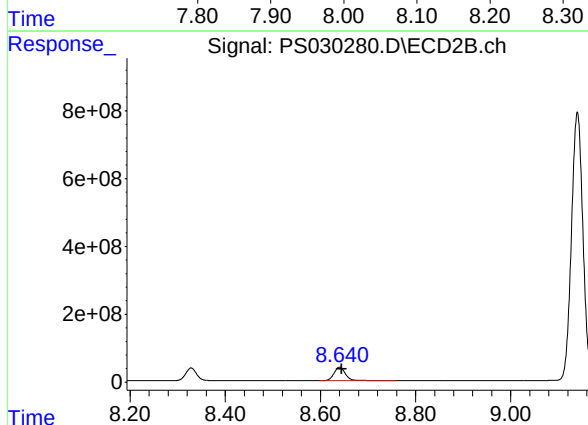
#9 2,4-D

R.T.: 8.008 min
Delta R.T.: -0.002 min
Response: 1713919790
Conc: 522.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS

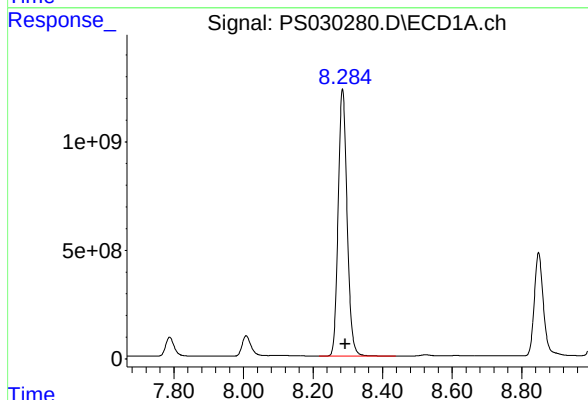
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



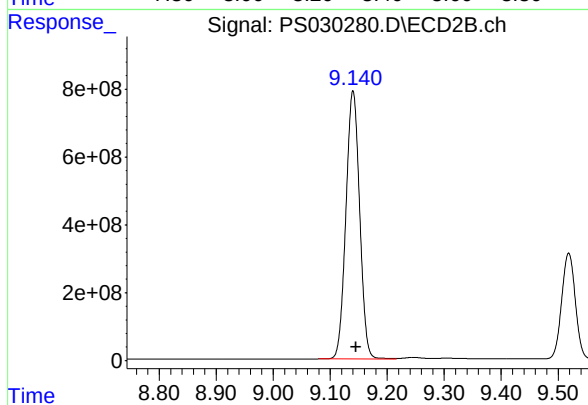
#9 2,4-D

R.T.: 8.640 min
Delta R.T.: -0.005 min
Response: 665814512
Conc: 515.94 ng/ml



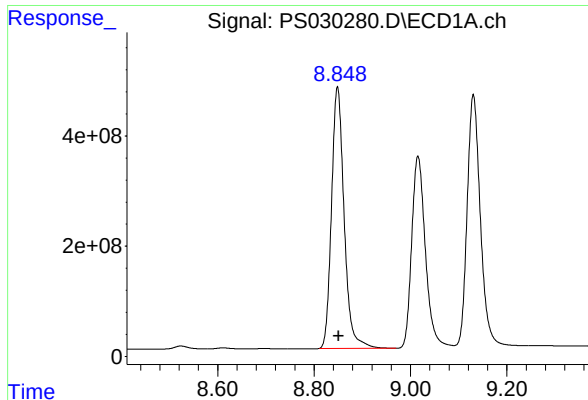
#10 Pentachlorophenol

R.T.: 8.285 min
Delta R.T.: -0.008 min
Response: 21866443953
Conc: 539.90 ng/ml



#10 Pentachlorophenol

R.T.: 9.140 min
Delta R.T.: -0.005 min
Response: 13204843379
Conc: 534.93 ng/ml



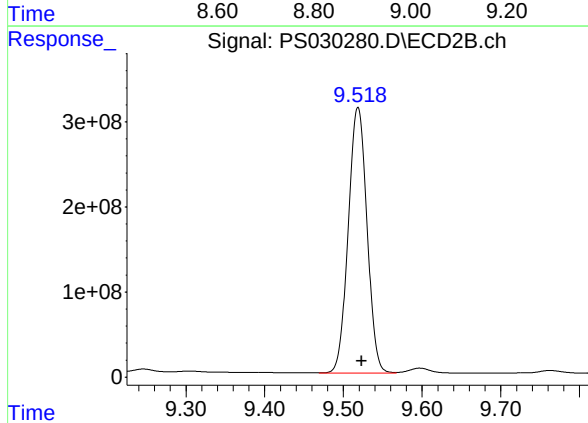
#11 2,4,5-TP (SILVEX)

R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 8605877090
Conc: 531.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS

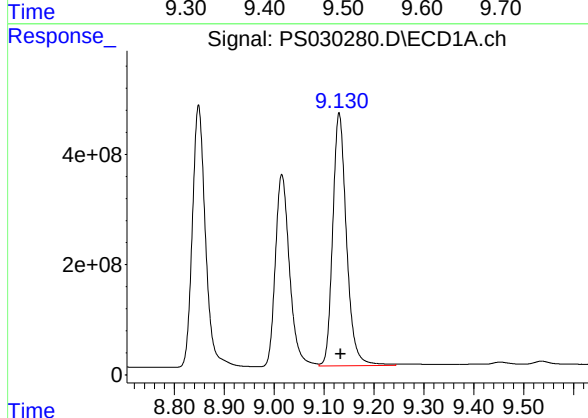
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



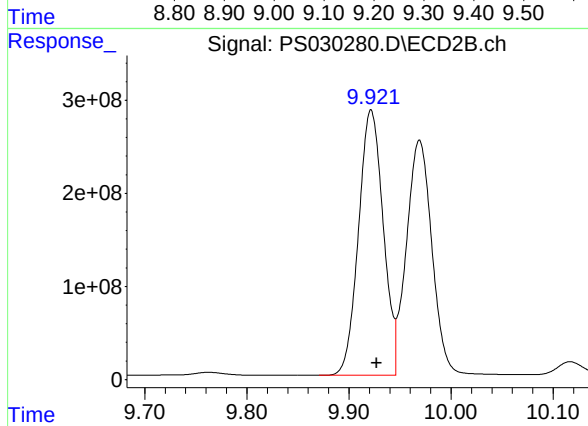
#11 2,4,5-TP (SILVEX)

R.T.: 9.519 min
Delta R.T.: -0.005 min
Response: 5170374418
Conc: 524.89 ng/ml



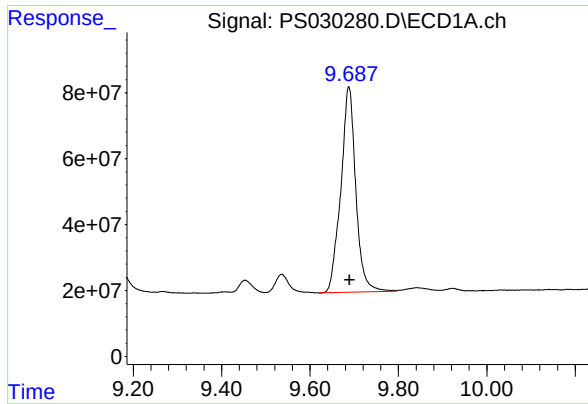
#12 2,4,5-T

R.T.: 9.130 min
Delta R.T.: -0.003 min
Response: 8831447065
Conc: 534.75 ng/ml



#12 2,4,5-T

R.T.: 9.922 min
Delta R.T.: -0.005 min
Response: 4796160061
Conc: 521.12 ng/ml



#13 2,4-DB

R.T.: 9.688 min
Delta R.T.: -0.002 min
Response: 1472452294
Conc: 564.21 ng/ml

Instrument :

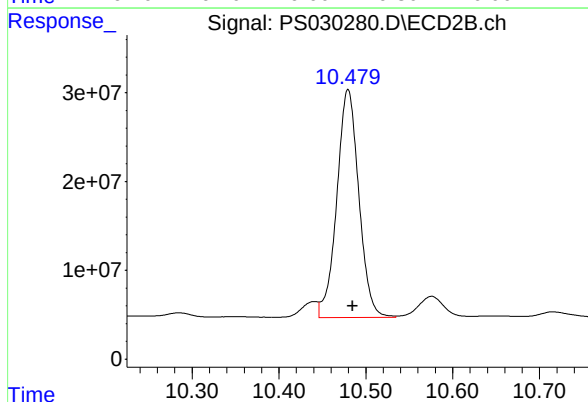
ECD_S

ClientSampleId :

PB167996BS

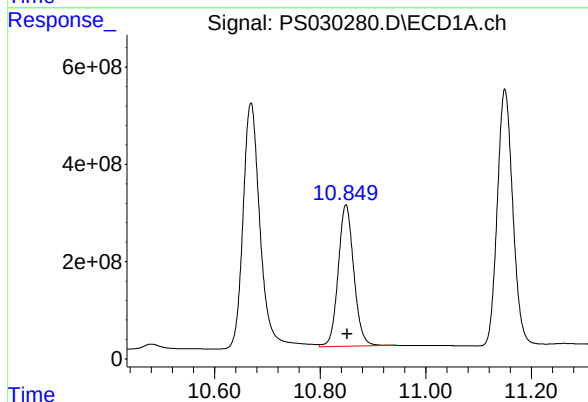
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



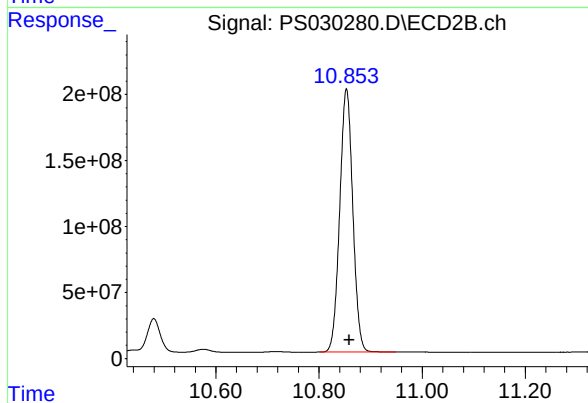
#13 2,4-DB

R.T.: 10.480 min
Delta R.T.: -0.005 min
Response: 452053960
Conc: 455.53 ng/ml



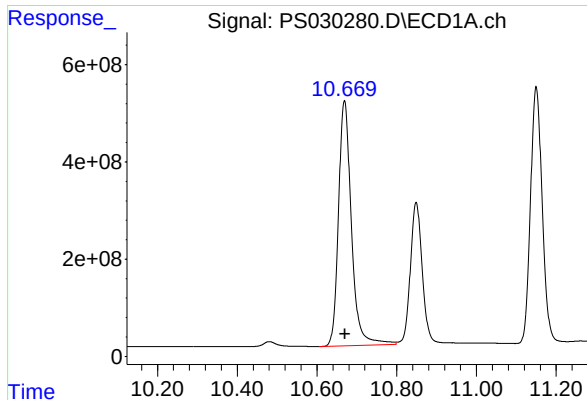
#14 DINOSEB

R.T.: 10.849 min
Delta R.T.: -0.003 min
Response: 5993482828
Conc: 524.07 ng/ml



#14 DINOSEB

R.T.: 10.853 min
Delta R.T.: -0.006 min
Response: 3504760576
Conc: 512.99 ng/ml



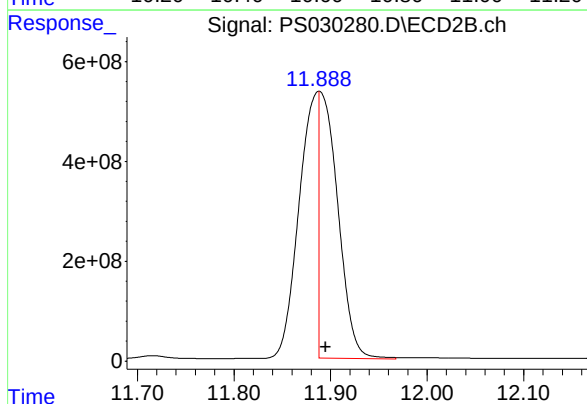
#15 Picloram

R.T.: 10.669 min
Delta R.T.: 0.000 min
Response: 11372744898
Conc: 531.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS

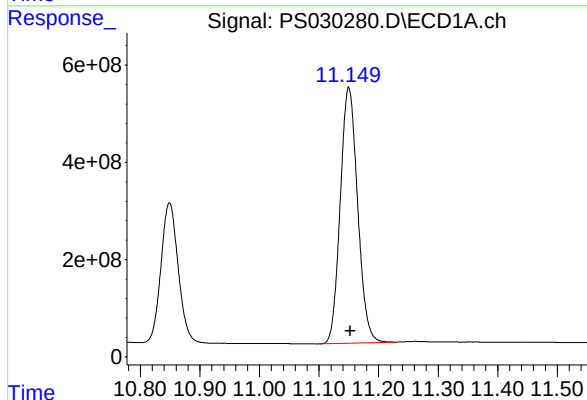
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



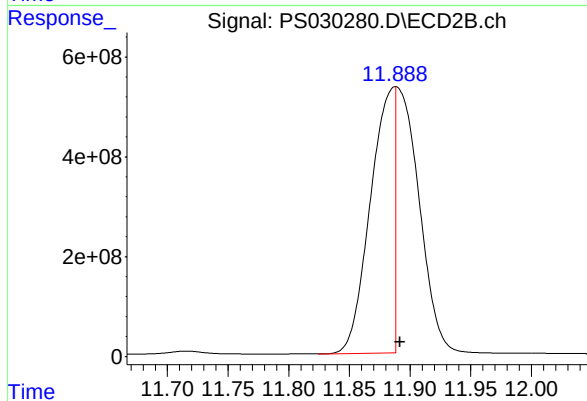
#15 Picloram

R.T.: 11.888 min
Delta R.T.: -0.007 min
Response: 7204407117
Conc: 511.93 ng/ml m



#16 DCPA

R.T.: 11.150 min
Delta R.T.: -0.003 min
Response: 10672972191
Conc: 536.02 ng/ml



#16 DCPA

R.T.: 11.888 min
Delta R.T.: -0.004 min
Response: 7246901592
Conc: 536.39 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/07/25
Client Sample ID:	TP-9MS	SDG No.:	Q1984
Lab Sample ID:	Q1982-08MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81.3 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
PS030237.D	1	05/14/25 08:30	05/15/25 16:30	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.15		0.0095	0.041	0.082	mg/Kg
75-99-0	DALAPON	0.27	P	0.022	0.062	0.082	mg/Kg
120-36-5	DICHLORPROP	0.17		0.016	0.041	0.082	mg/Kg
94-75-7	2,4-D	0.18		0.011	0.041	0.082	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.17		0.011	0.041	0.082	mg/Kg
93-76-5	2,4,5-T	0.16		0.011	0.041	0.082	mg/Kg
94-82-6	2,4-DB	0.16		0.030	0.041	0.082	mg/Kg
88-85-7	DINOSEB	0.086	P	0.013	0.041	0.082	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	493		27 - 122		99%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030237.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 16:30
 Operator : AR\AJ
 Sample : Q1982-08MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TP-9MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:25:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	6.932	7.451	1402.8E6	366.5E6	492.584m	458.011
Target Compounds						
1) T Dalapon	2.444	2.517	1677.7E6	1346.5E6	341.311	662.937 #
2) T 3,5-DICHL...	6.138	6.451	1687.8E6	415.6E6	404.702	356.461m
3) T 4-Nitroph...	6.724	6.986	334.7E6	151.8E6	162.041	145.405
5) T DICAMBA	7.109	7.636	4288.7E6	1768.9E6	371.075	374.136
6) T MCPP	7.286	7.742	335.5E6	67494367	46.066	36.686
7) T MCPA	7.429	7.971	355.8E6	118.6E6	34.277	44.969 #
8) T DICHLORPROP	7.789	8.329	1209.4E6	498.6E6	413.996	422.071
9) T 2,4-D	8.009	8.641	1445.9E6	561.9E6	440.961	435.421
10) T Pentachlo...	8.286	9.141	15688.3E6	9453.0E6	387.357	382.944
11) T 2,4,5-TP ...	8.849	9.519	6349.5E6	4048.7E6	392.043	411.013
12) T 2,4,5-T	9.131	9.923	6187.4E6	3658.7E6	374.647	397.527
13) T 2,4-DB	9.690	10.481	815.6E6	383.2E6	312.509m	386.154
14) T DINOSEB	10.849	10.842	398.2E6	257.5E6	34.815	37.695m
15) T Picloram	10.670	11.888	6804.8E6	4881.8E6	318.174	346.889m
16) T DCPA	11.151	11.885	7605.0E6	4737.4E6	381.941	350.646m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:30
Operator : AR\AJ
Sample : Q1982-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TP-9MS

Manual Integrations

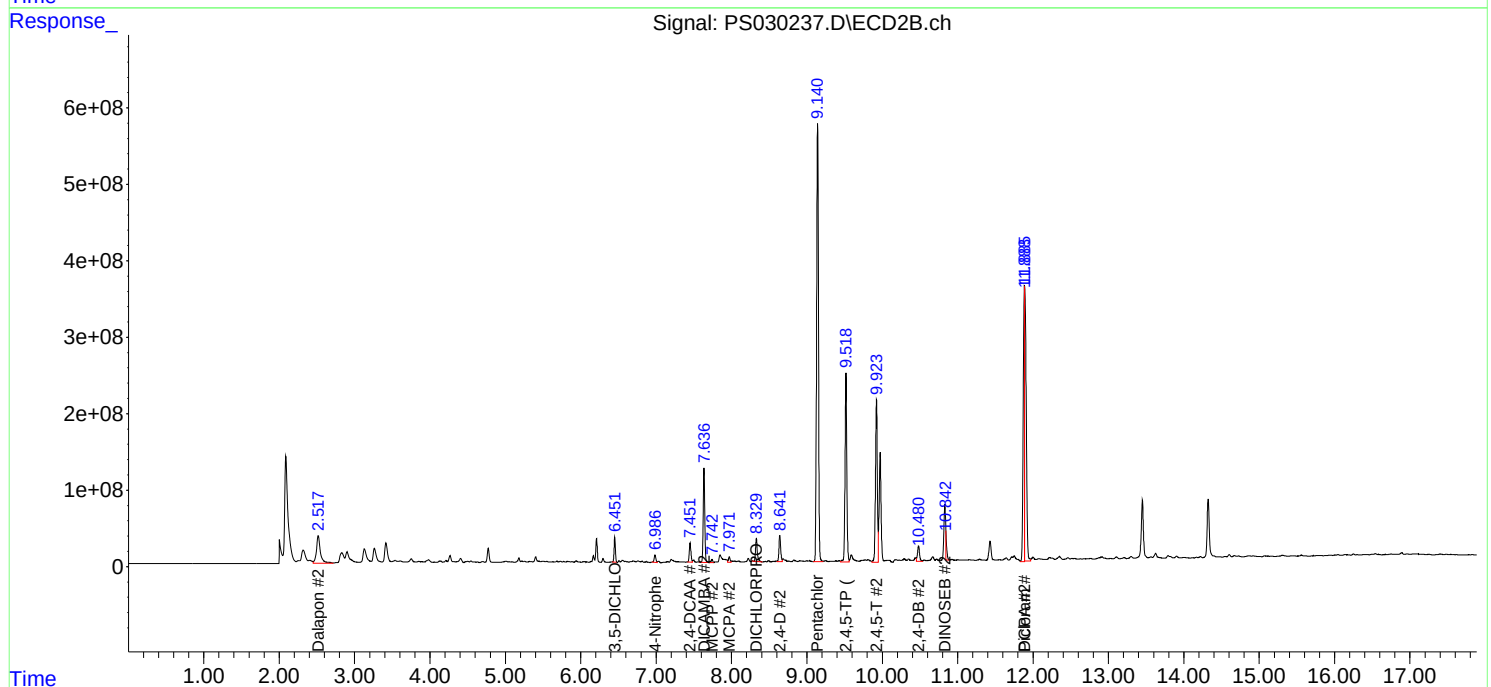
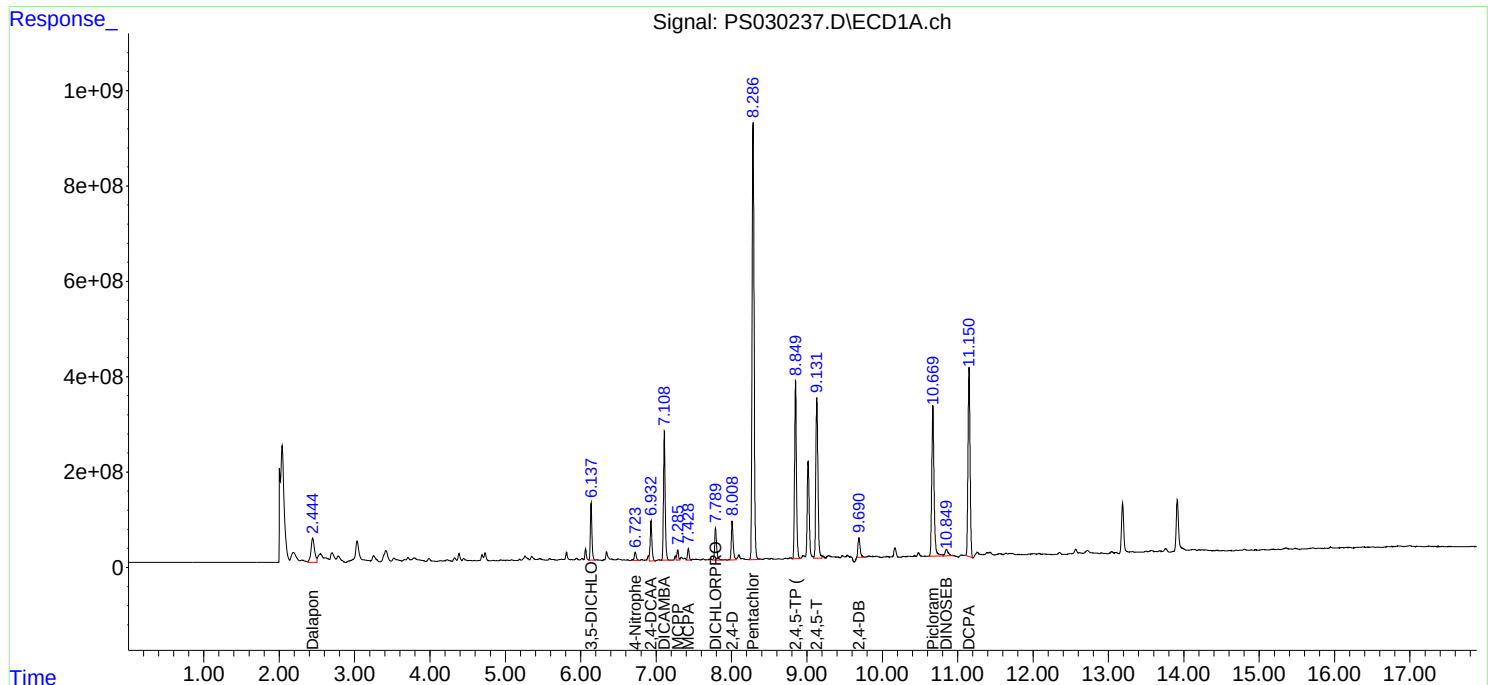
APPROVED

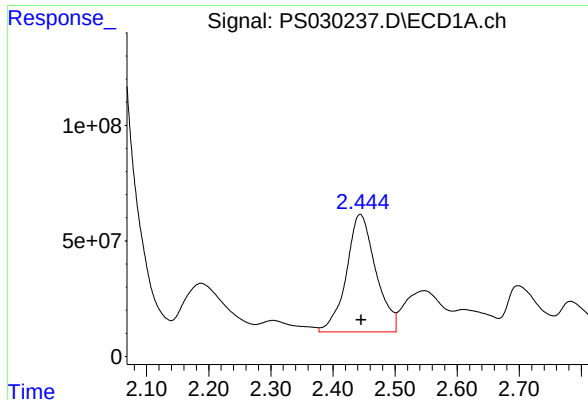
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:25:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





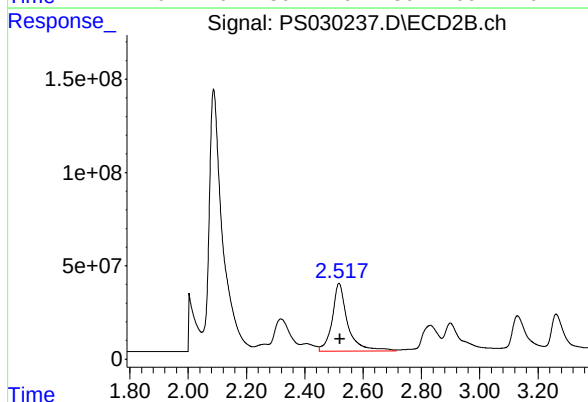
#1 Dalapon

R.T.: 2.444 min
Delta R.T.: -0.002 min
Response: 1677664827
Conc: 341.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS

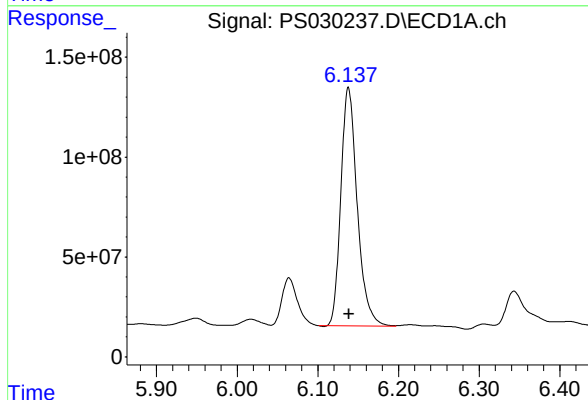
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



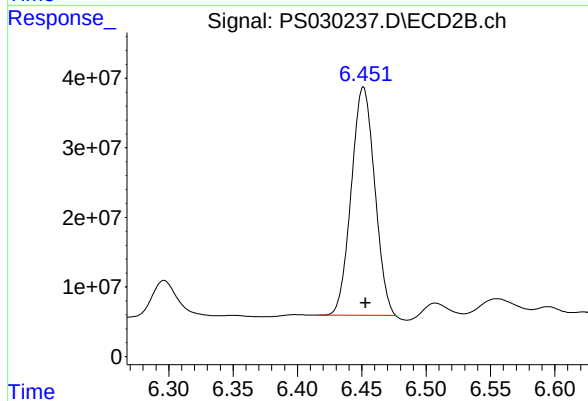
#1 Dalapon

R.T.: 2.517 min
Delta R.T.: -0.003 min
Response: 1346458094
Conc: 662.94 ng/ml



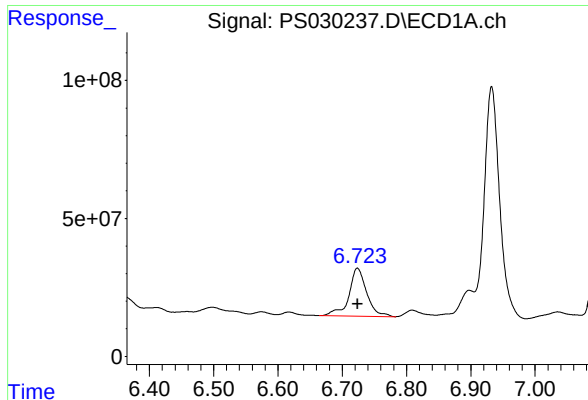
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 1687830472
Conc: 404.70 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.451 min
Delta R.T.: -0.002 min
Response: 415572976
Conc: 356.46 ng/ml m



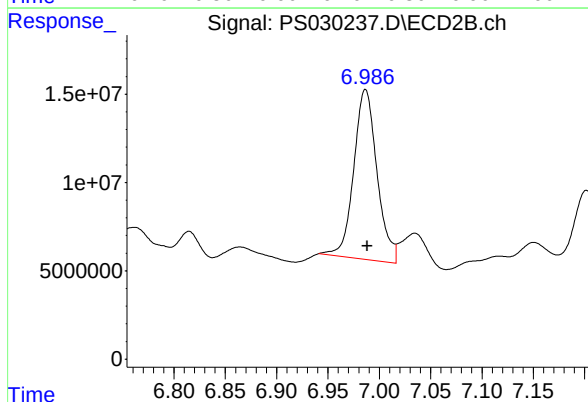
#3 4-Nitrophenol

R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 334715130
Conc: 162.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS

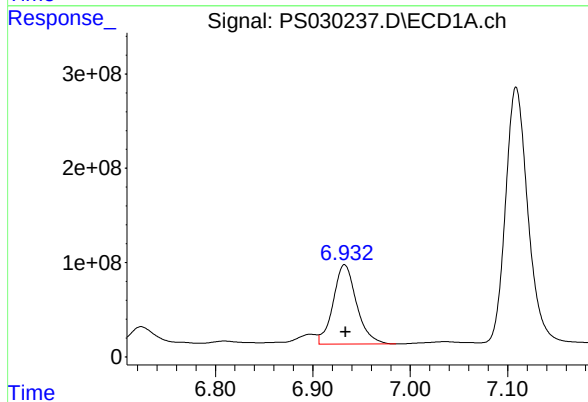
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



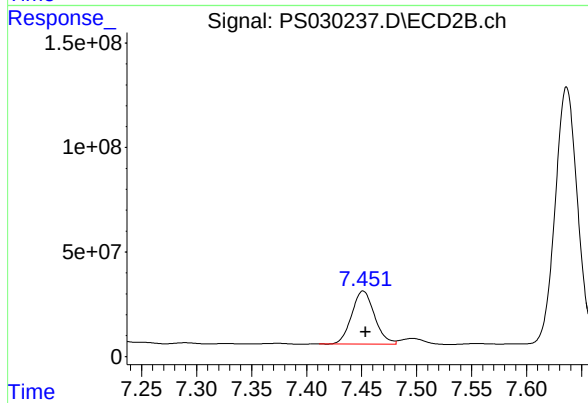
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 151806932
Conc: 145.40 ng/ml



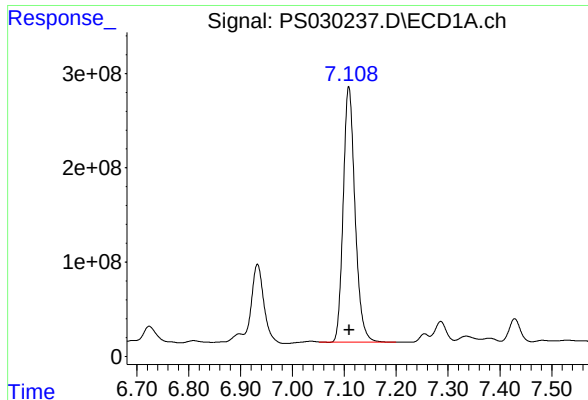
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 1402784201
Conc: 492.58 ng/ml m



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 366502396
Conc: 458.01 ng/ml



#5 DICAMBA

R.T.: 7.109 min
Delta R.T.: -0.001 min
Response: 4288652681
Conc: 371.08 ng/ml

Instrument :

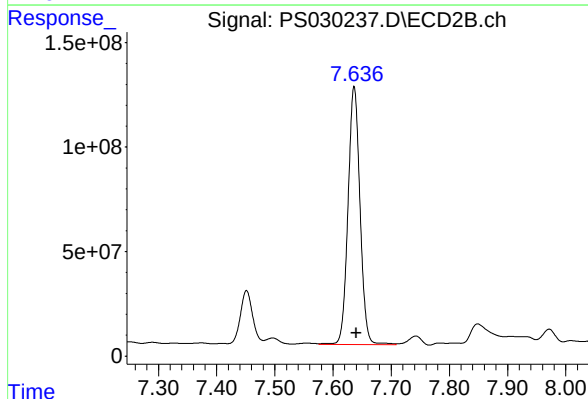
ECD_S

ClientSampleId :

TP-9MS

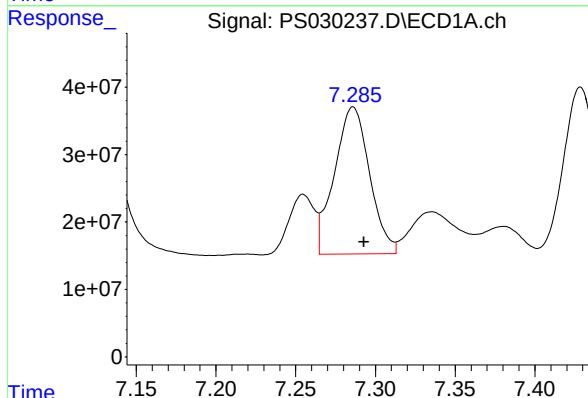
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



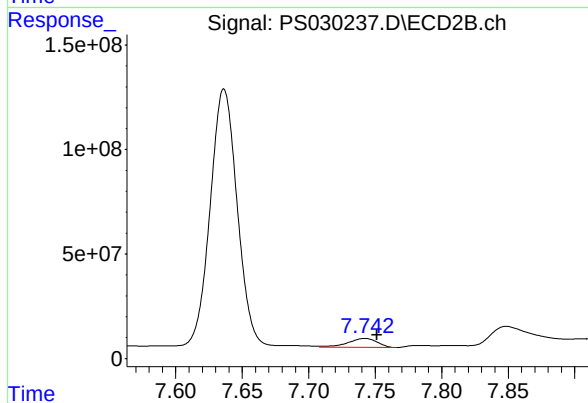
#5 DICAMBA

R.T.: 7.636 min
Delta R.T.: -0.004 min
Response: 1768904348
Conc: 374.14 ng/ml



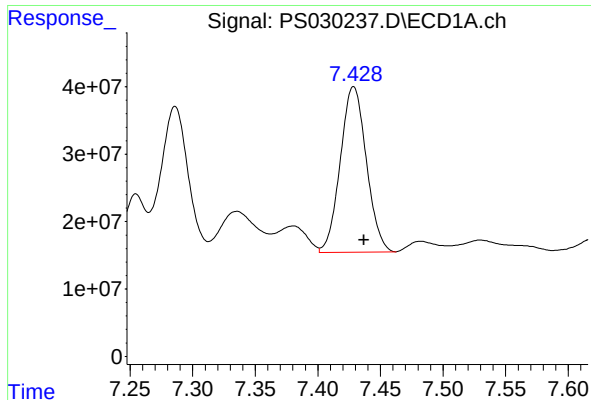
#6 MCPP

R.T.: 7.286 min
Delta R.T.: -0.007 min
Response: 335480557
Conc: 46.07 ug/ml



#6 MCPP

R.T.: 7.742 min
Delta R.T.: -0.009 min
Response: 67494367
Conc: 36.69 ug/ml



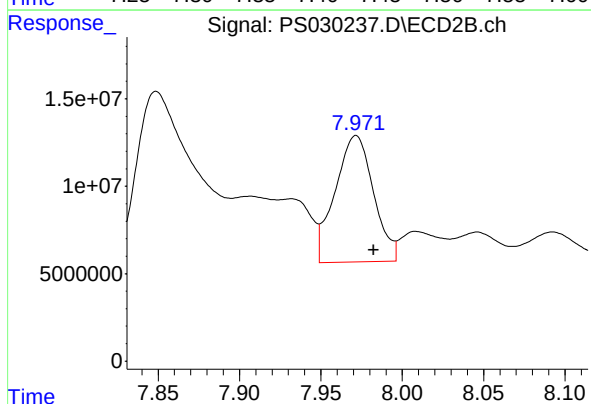
#7 MCPA

R.T.: 7.429 min
Delta R.T.: -0.008 min
Response: 355826313
Conc: 34.28 ug/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS

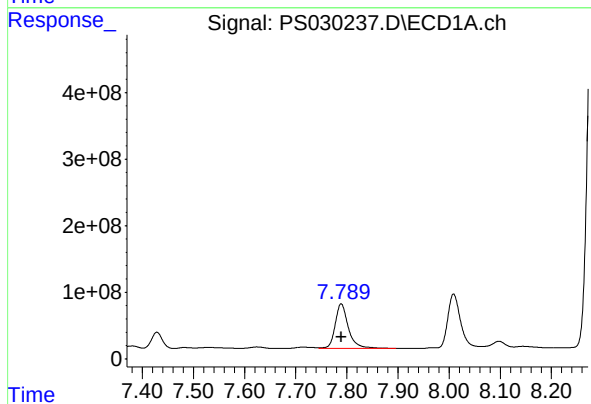
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



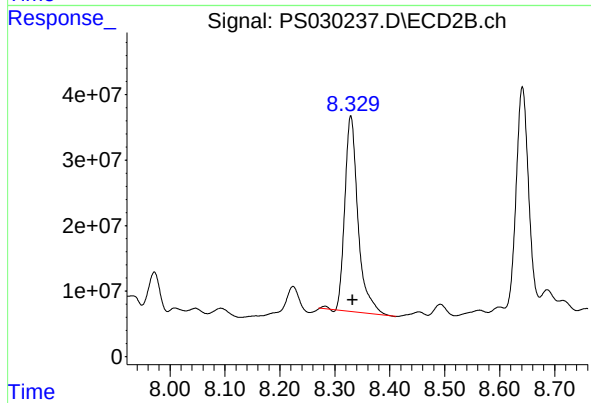
#7 MCPA

R.T.: 7.971 min
Delta R.T.: -0.011 min
Response: 118615093
Conc: 44.97 ug/ml



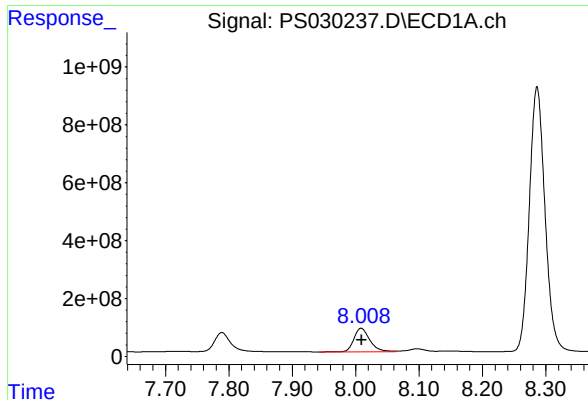
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 1209426261
Conc: 414.00 ng/ml



#8 DICHLORPROP

R.T.: 8.329 min
Delta R.T.: -0.004 min
Response: 498648465
Conc: 422.07 ng/ml



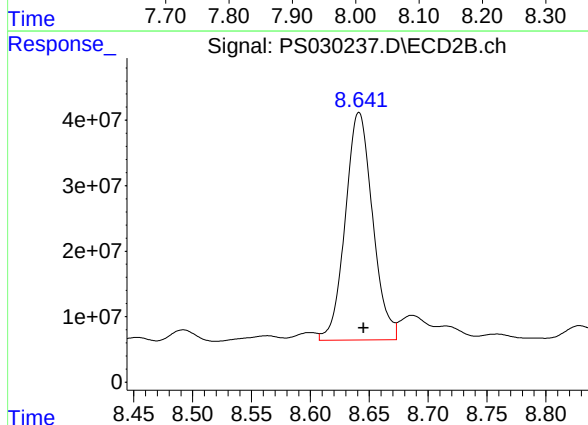
#9 2,4-D

R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 1445883944
Conc: 440.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS

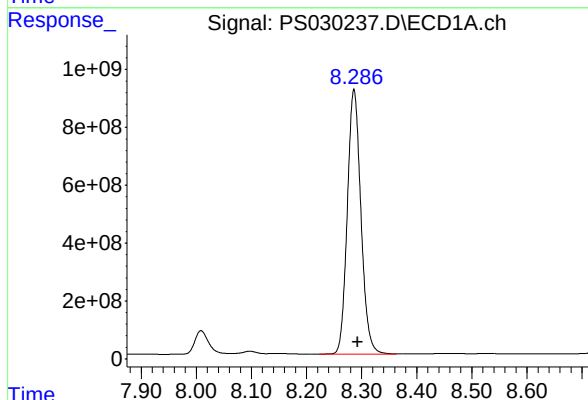
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



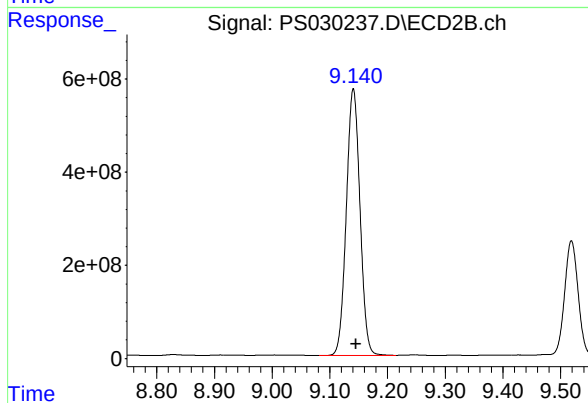
#9 2,4-D

R.T.: 8.641 min
Delta R.T.: -0.004 min
Response: 561911343
Conc: 435.42 ng/ml



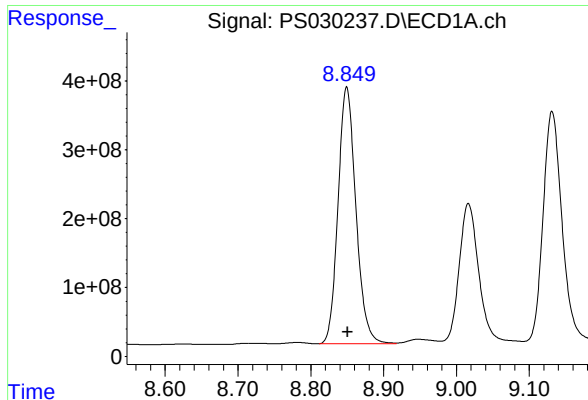
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: -0.007 min
Response: 15688250953
Conc: 387.36 ng/ml



#10 Pentachlorophenol

R.T.: 9.141 min
Delta R.T.: -0.004 min
Response: 9452958414
Conc: 382.94 ng/ml



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

R.T.: 8.849 min
Delta R.T.: -0.001 min
Response: 6349532673
Conc: 392.04 ng/ml

Instrument :

ECD_S

ClientSampleId :

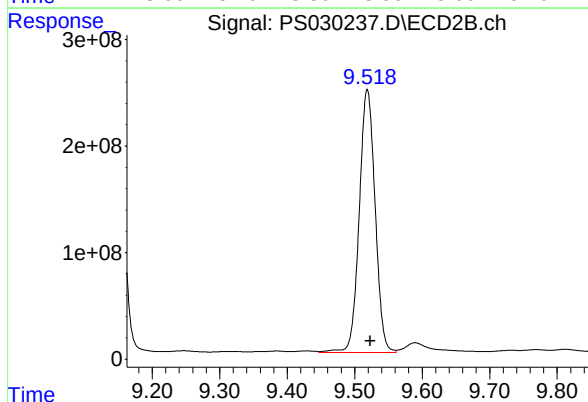
TP-9MS

Manual Integrations

APPROVED

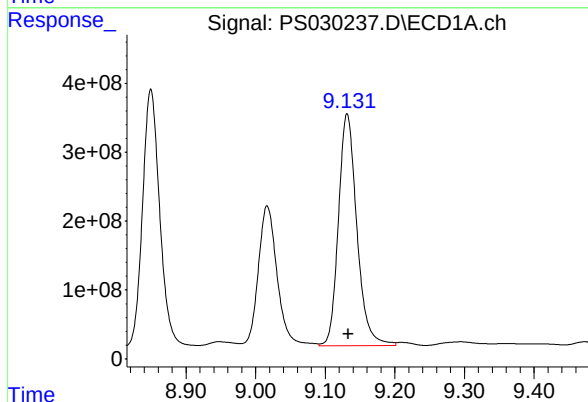
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025



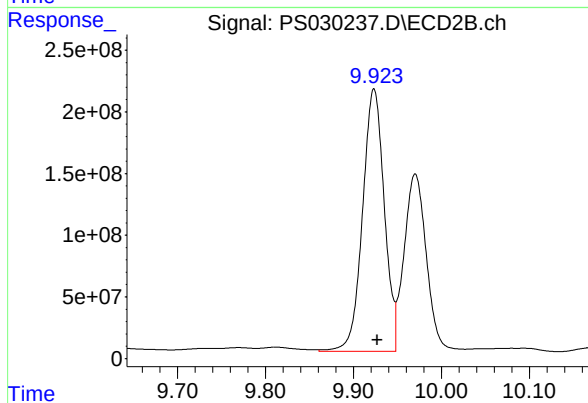
#11 2,4,5-TP (SILVEX)

R.T.: 9.519 min
Delta R.T.: -0.004 min
Response: 4048656345
Conc: 411.01 ng/ml



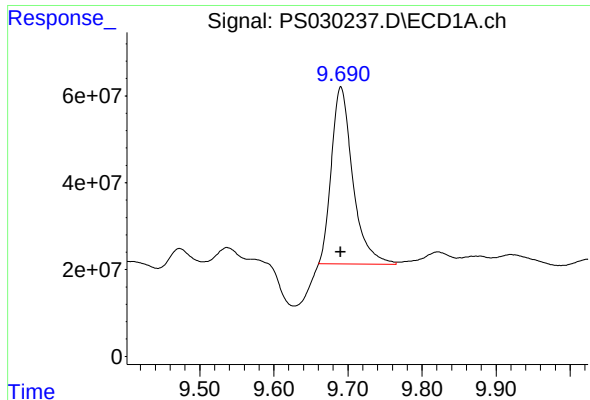
#12 2,4,5-T

R.T.: 9.131 min
Delta R.T.: -0.001 min
Response: 6187368752
Conc: 374.65 ng/ml



#12 2,4,5-T

R.T.: 9.923 min
Delta R.T.: -0.004 min
Response: 3658679095
Conc: 397.53 ng/ml



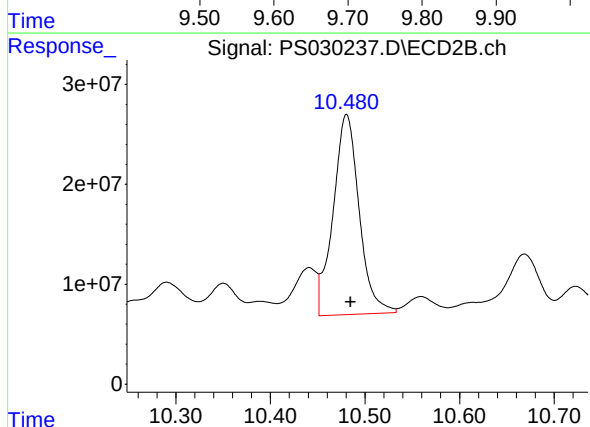
#13 2,4-DB

R.T.: 9.690 min
 Delta R.T.: 0.000 min
 Response: 815578396
 Conc: 312.51 ng/ml

Instrument :
 ECD_S
 ClientSampleId :
 TP-9MS

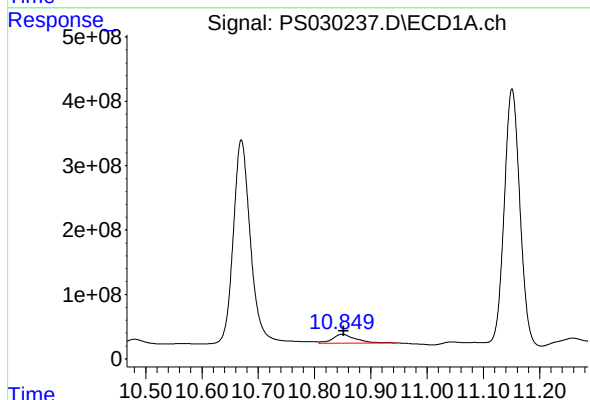
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/16/2025
 Supervised By :mohammad ahmed 05/20/2025



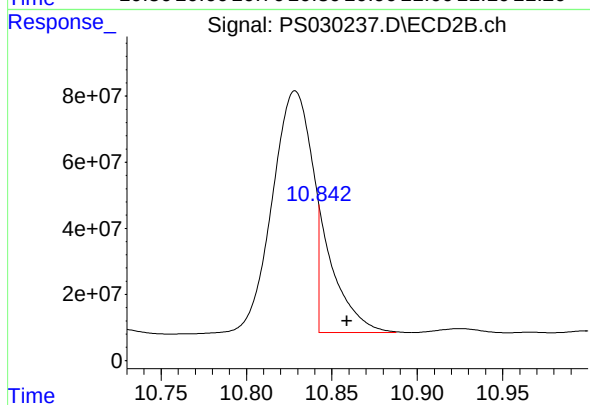
#13 2,4-DB

R.T.: 10.481 min
 Delta R.T.: -0.004 min
 Response: 383208847
 Conc: 386.15 ng/ml



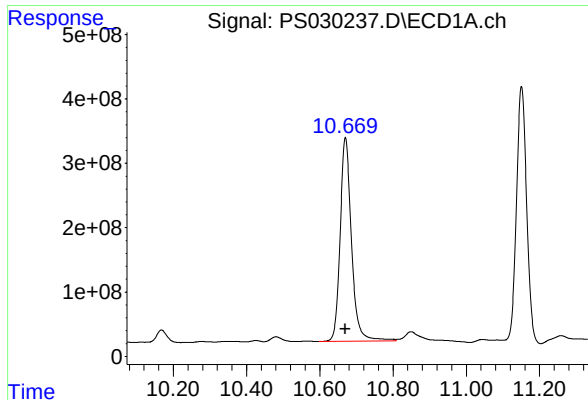
#14 DINOSEB

R.T.: 10.849 min
 Delta R.T.: -0.002 min
 Response: 398161988
 Conc: 34.82 ng/ml



#14 DINOSEB

R.T.: 10.842 min
 Delta R.T.: -0.016 min
 Response: 257531149
 Conc: 37.69 ng/ml m



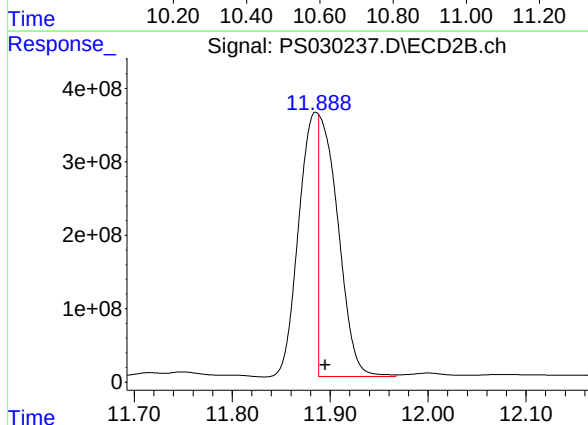
#15 Picloram

R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 6804774569
Conc: 318.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS

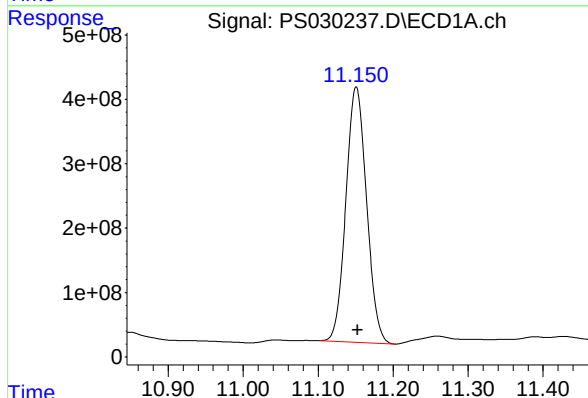
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



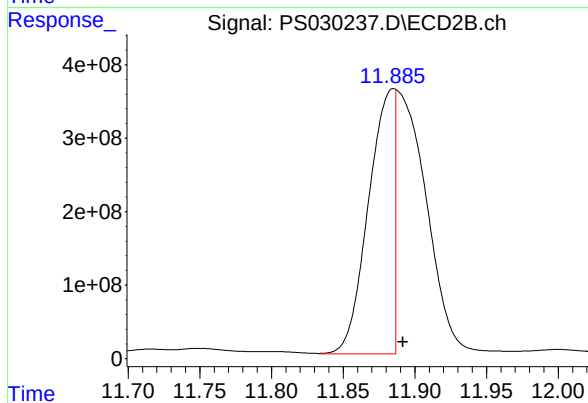
#15 Picloram

R.T.: 11.888 min
Delta R.T.: -0.007 min
Response: 4881813359
Conc: 346.89 ng/ml



#16 DCPA

R.T.: 11.151 min
Delta R.T.: -0.002 min
Response: 7605005801
Conc: 381.94 ng/ml



#16 DCPA

R.T.: 11.885 min
Delta R.T.: -0.007 min
Response: 4737402784
Conc: 350.65 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/07/25
Client Sample ID:	TP-9MSD	SDG No.:	Q1984
Lab Sample ID:	Q1982-08MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	81.3 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
PS030238.D	1	05/14/25 08:30	05/15/25 16:54	PB167996

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1918-00-9	DICAMBA	0.18		0.0095	0.041	0.082	mg/Kg
75-99-0	DALAPON	0.31	P	0.022	0.061	0.082	mg/Kg
120-36-5	DICHLORPROP	0.20		0.016	0.041	0.082	mg/Kg
94-75-7	2,4-D	0.21		0.011	0.041	0.082	mg/Kg
93-72-1	2,4,5-TP (Silvex)	0.20		0.011	0.041	0.082	mg/Kg
93-76-5	2,4,5-T	0.19		0.011	0.041	0.082	mg/Kg
94-82-6	2,4-DB	0.19	P	0.030	0.041	0.082	mg/Kg
88-85-7	DINOSEB	0.11		0.013	0.041	0.082	mg/Kg
SURROGATES							
19719-28-9	2,4-DCAA	529		27 - 122		106%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030238.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 16:54
 Operator : AR\AJ
 Sample : Q1982-08MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TP-9MSD

Manual Integrations

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Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:25:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.451	1507.0E6	399.3E6	529.167	499.021m
Target Compounds							
1) T	Dalapon	2.444	2.517	1925.9E6	1554.4E6	391.820	765.327 #
2) T	3,5-DICHL...	6.138	6.451	1945.3E6	491.3E6	466.426	421.443m
3) T	4-Nitroph...	6.723	6.986	596.8E6	282.9E6	288.909	270.991
5) T	DICAMBA	7.109	7.637	4927.4E6	2082.7E6	426.341	440.495
6) T	MCP	7.287	7.743	331.9E6	76698429	45.569	41.689
7) T	MCPA	7.430	7.973	401.5E6	131.7E6	38.678	49.933 #
8) T	DICHLORPROP	7.789	8.330	1415.4E6	564.7E6	484.500	477.967
9) T	2,4-D	8.008	8.642	1663.1E6	644.1E6	507.205	499.144
10) T	Pentachlo...	8.286	9.142	17969.0E6	11016.7E6	443.669	446.290
11) T	2,4,5-TP ...	8.849	9.520	7215.8E6	4709.8E6	445.531	478.128
12) T	2,4,5-T	9.132	9.923	7061.9E6	4243.9E6	427.601	461.107
13) T	2,4-DB	9.690	10.481	926.8E6	454.4E6	355.111m	457.860 #
14) T	DINOSEB	10.850	10.846	306.6E6	233.7E6	26.808m	34.200m#
15) T	Picloram	10.670	11.886	7659.9E6	6225.5E6	358.157	442.365m
16) T	DCPA	11.152	11.885	8453.7E6	5050.3E6	424.566	373.805m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:54
Operator : AR\AJ
Sample : Q1982-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TP-9MSD

Manual Integrations

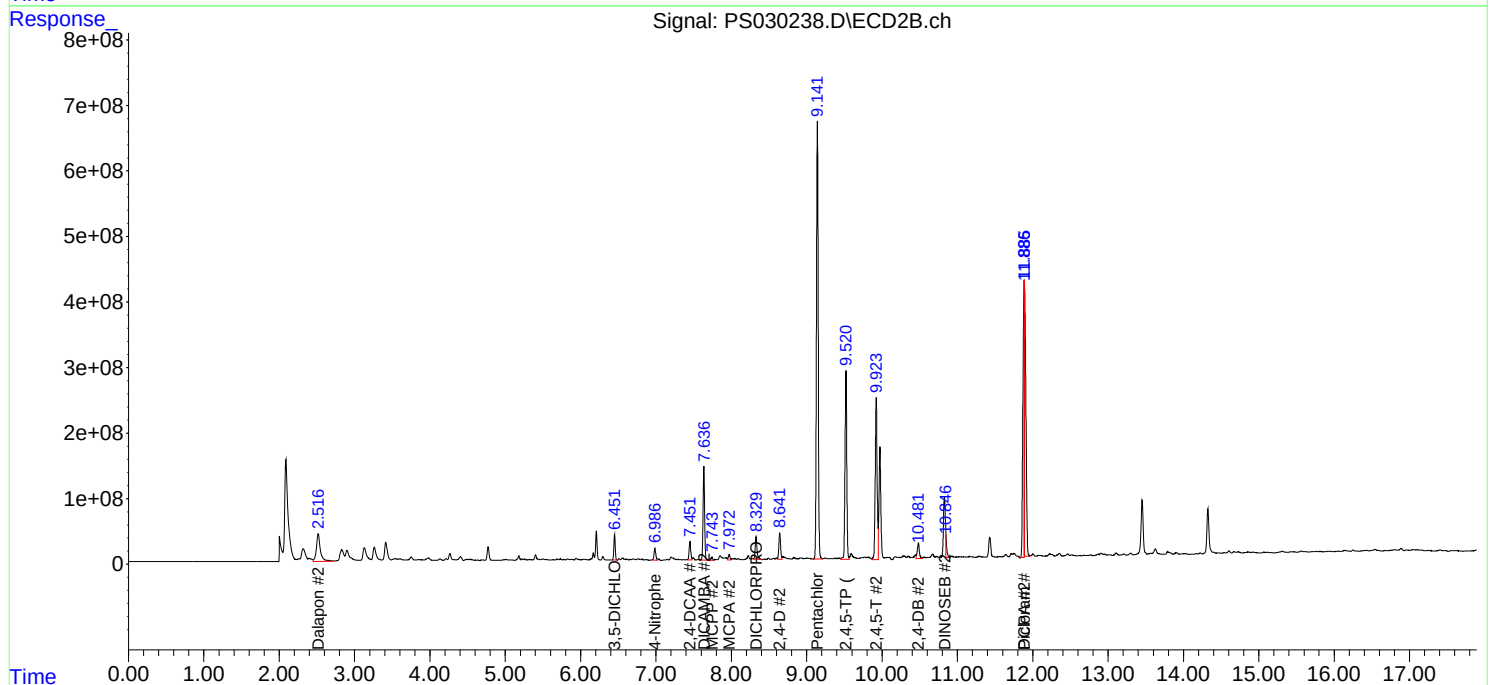
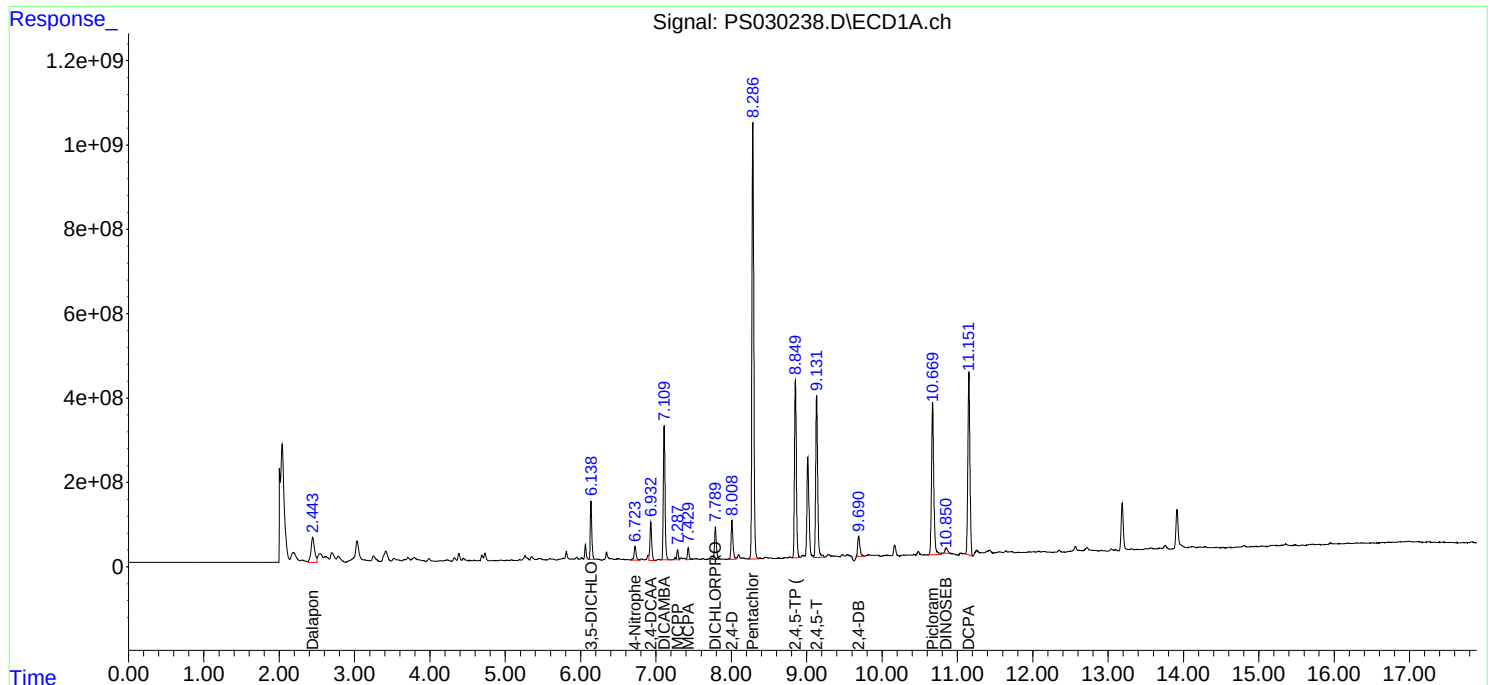
APPROVED

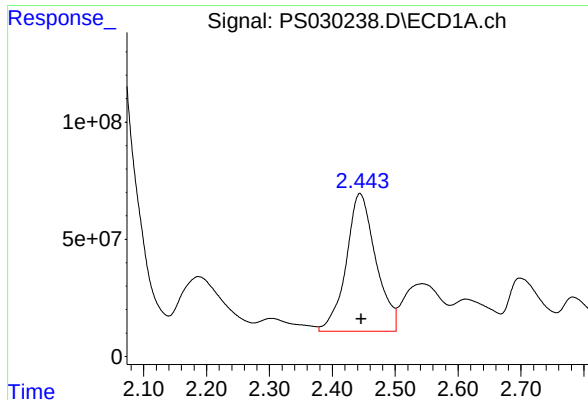
Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:25:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





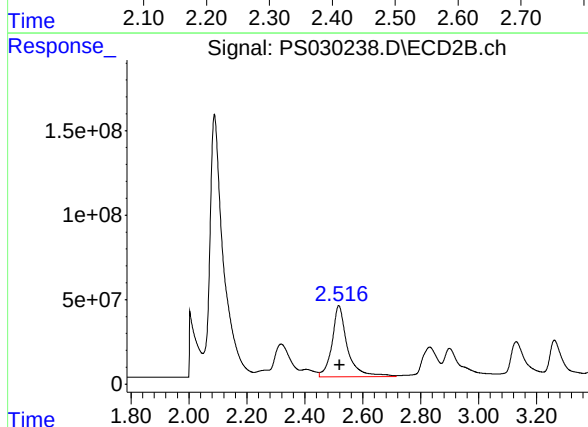
#1 Dalapon

R.T.: 2.444 min
Delta R.T.: -0.002 min
Response: 1925937836
Conc: 391.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD

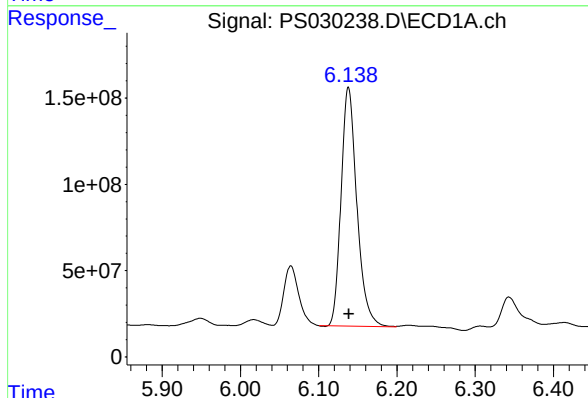
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



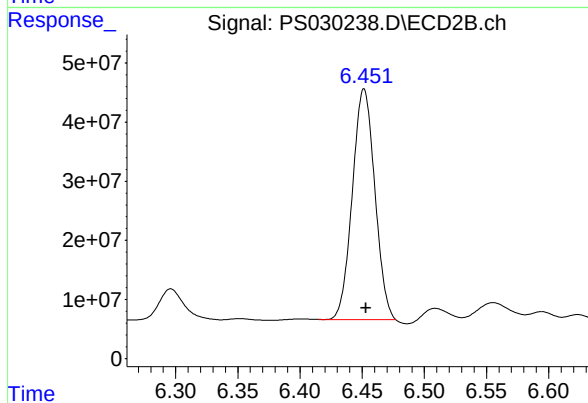
#1 Dalapon

R.T.: 2.517 min
Delta R.T.: -0.003 min
Response: 1554417535
Conc: 765.33 ng/ml



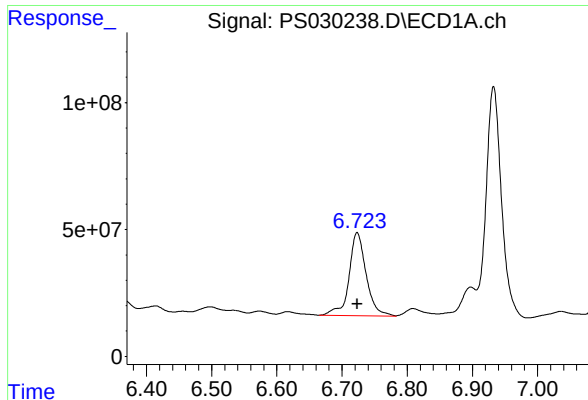
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 1945255525
Conc: 466.43 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.451 min
Delta R.T.: -0.002 min
Response: 491331244
Conc: 421.44 ng/ml m



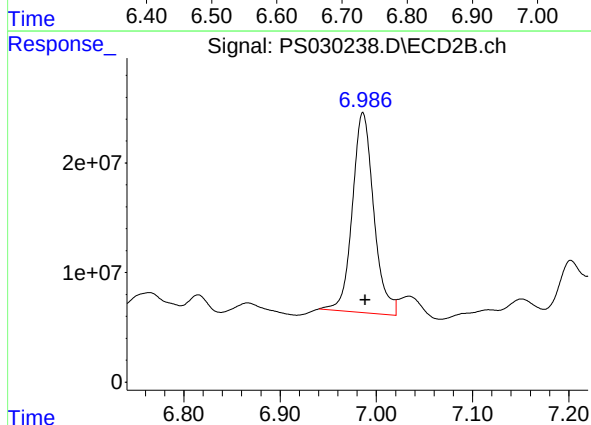
#3 4-Nitrophenol

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 596774517
Conc: 288.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD

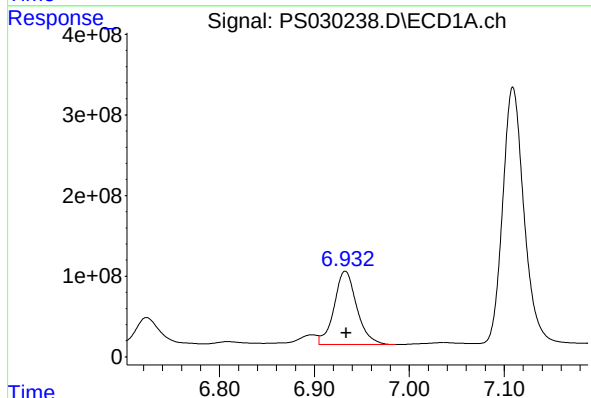
Manual Integrations
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Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



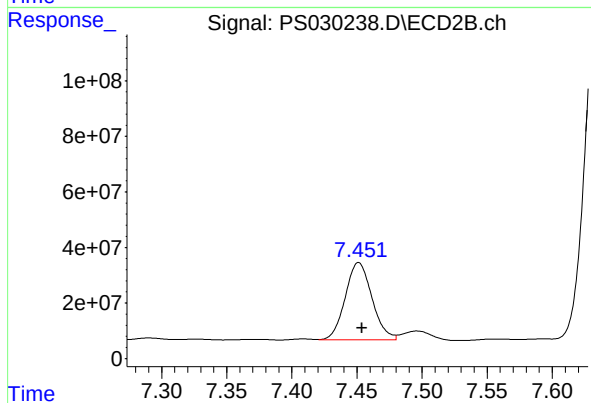
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 282923347
Conc: 270.99 ng/ml



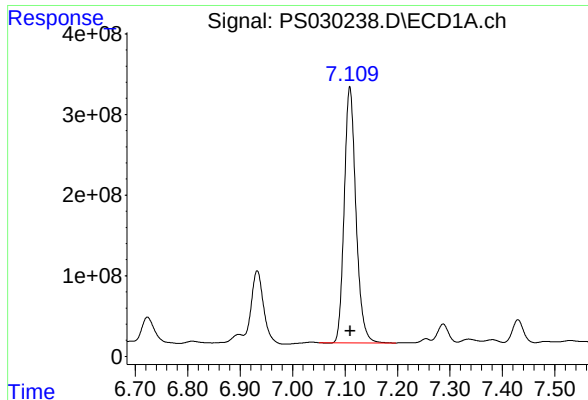
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: -0.001 min
Response: 1506966881
Conc: 529.17 ng/ml



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 399318130
Conc: 499.02 ng/ml m



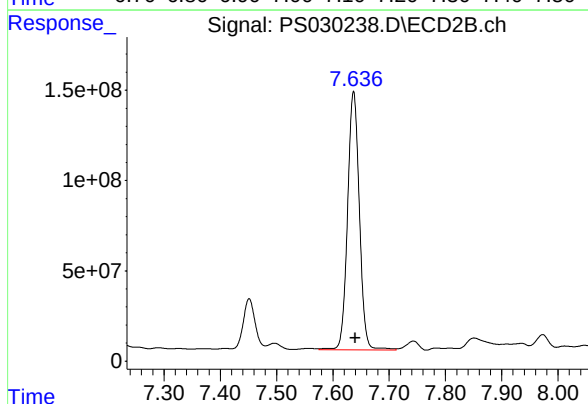
#5 DICAMBA

R.T.: 7.109 min
 Delta R.T.: 0.000 min
 Response: 4927373699
 Conc: 426.34 ng/ml

Instrument :
 ECD_S
 ClientSampleId :
 TP-9MSD

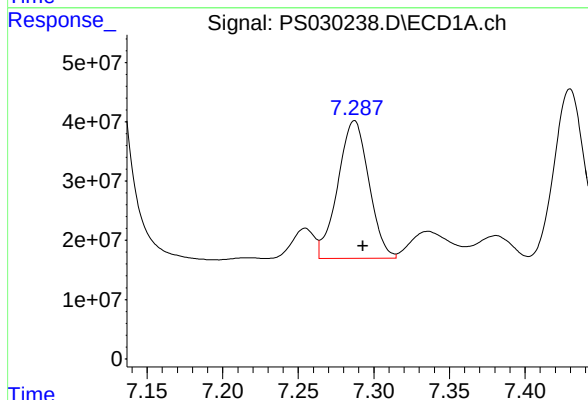
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/16/2025
 Supervised By :mohammad ahmed 05/20/2025



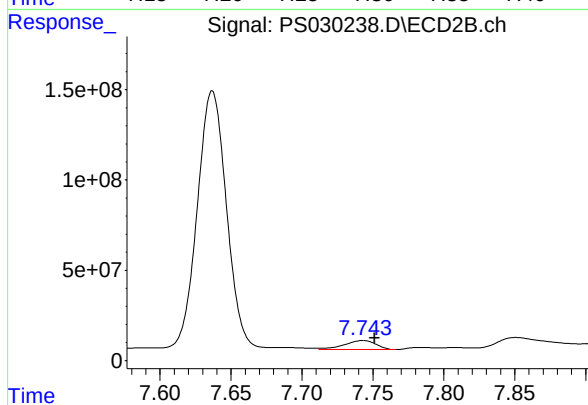
#5 DICAMBA

R.T.: 7.637 min
 Delta R.T.: -0.003 min
 Response: 2082652390
 Conc: 440.50 ng/ml



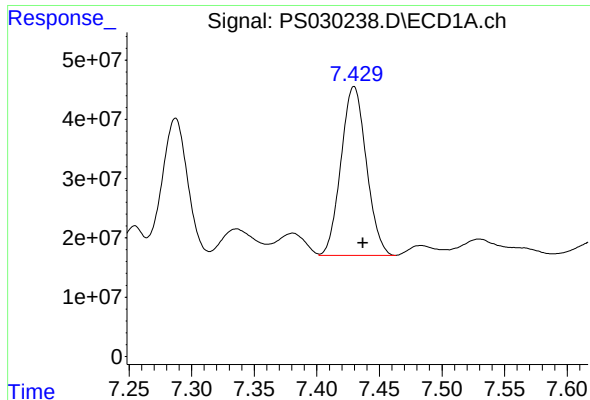
#6 MCPP

R.T.: 7.287 min
 Delta R.T.: -0.006 min
 Response: 331867609
 Conc: 45.57 ug/ml



#6 MCPP

R.T.: 7.743 min
 Delta R.T.: -0.008 min
 Response: 76698429
 Conc: 41.69 ug/ml



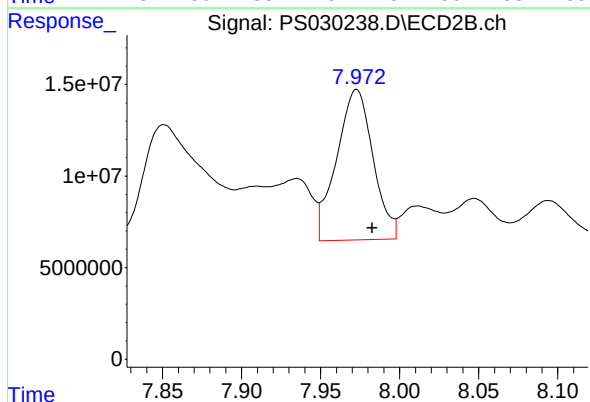
#7 MCPA

R.T.: 7.430 min
Delta R.T.: -0.007 min
Response: 401512217
Conc: 38.68 ug/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD

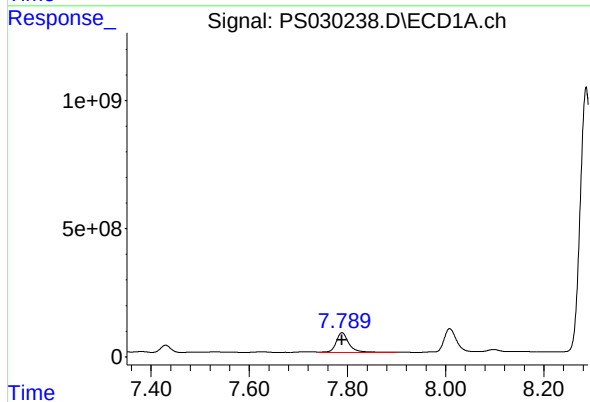
Manual Integrations
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Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



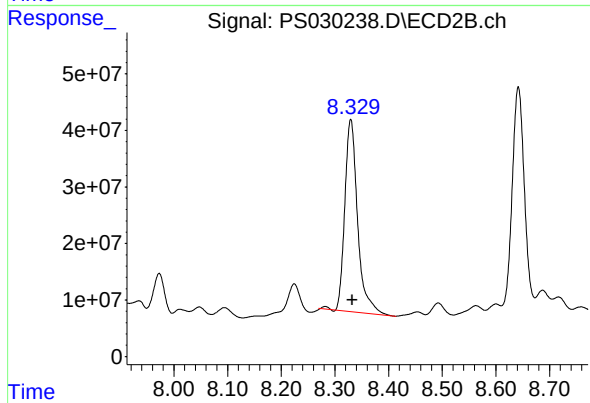
#7 MCPA

R.T.: 7.973 min
Delta R.T.: -0.010 min
Response: 131706152
Conc: 49.93 ug/ml



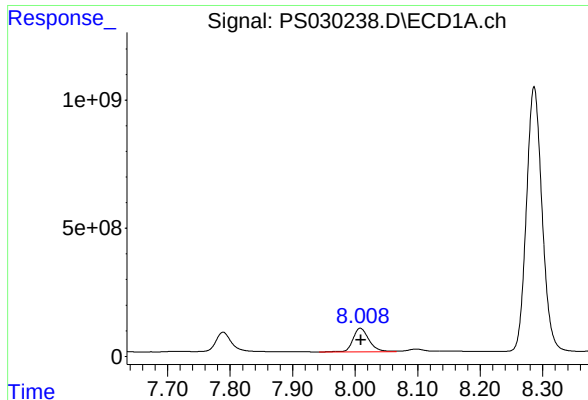
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 1415392025
Conc: 484.50 ng/ml



#8 DICHLORPROP

R.T.: 8.330 min
Delta R.T.: -0.003 min
Response: 564685601
Conc: 477.97 ng/ml



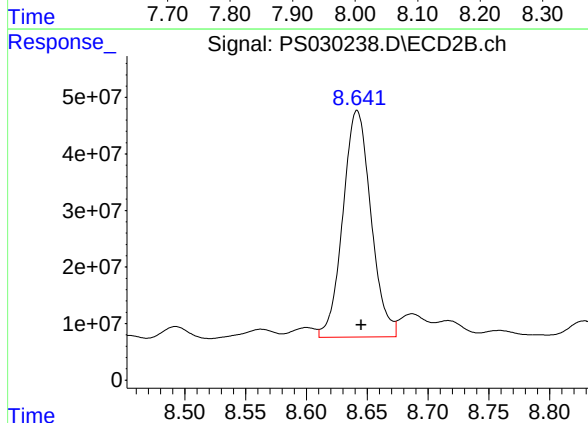
#9 2,4-D

R.T.: 8.008 min
Delta R.T.: 0.000 min
Response: 1663091964
Conc: 507.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD

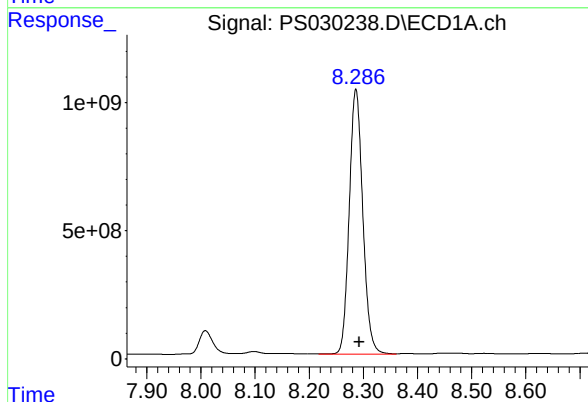
Manual Integrations
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Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



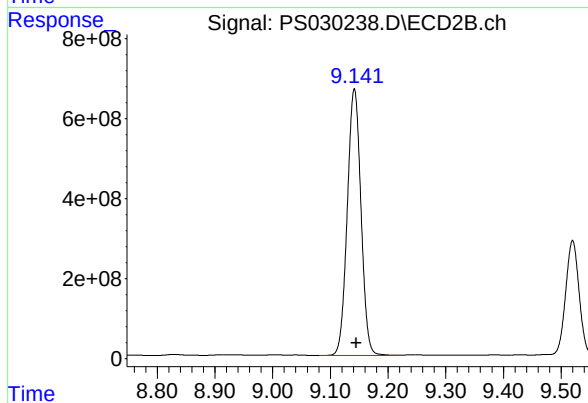
#9 2,4-D

R.T.: 8.642 min
Delta R.T.: -0.003 min
Response: 644145457
Conc: 499.14 ng/ml



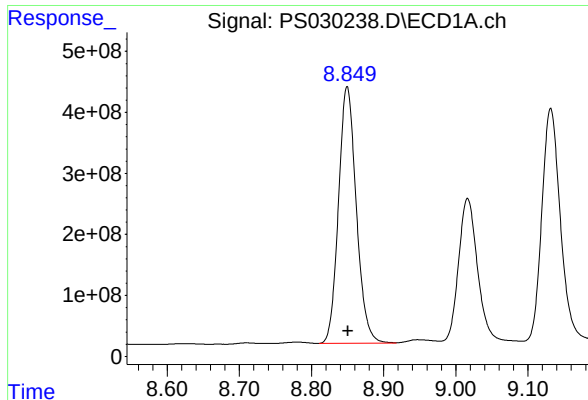
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: -0.007 min
Response: 17968958829
Conc: 443.67 ng/ml



#10 Pentachlorophenol

R.T.: 9.142 min
Delta R.T.: -0.003 min
Response: 11016650668
Conc: 446.29 ng/ml



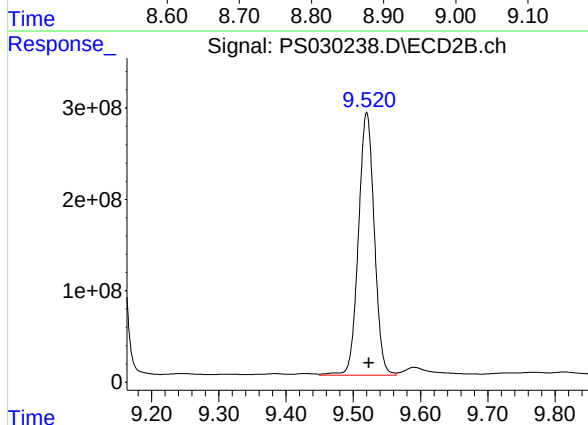
#11 2,4,5-TP (SILVEX)

R.T.: 8.849 min
Delta R.T.: -0.001 min
Response: 7215817068
Conc: 445.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD

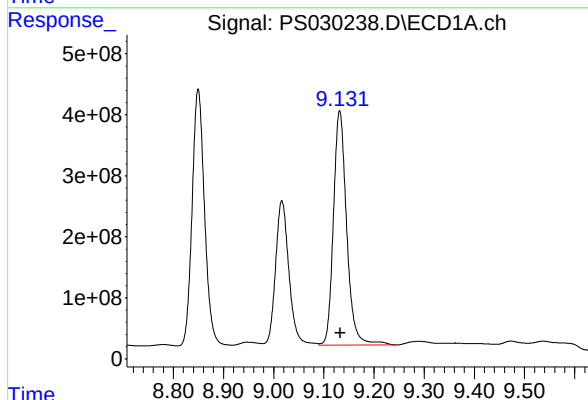
Manual Integrations
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Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



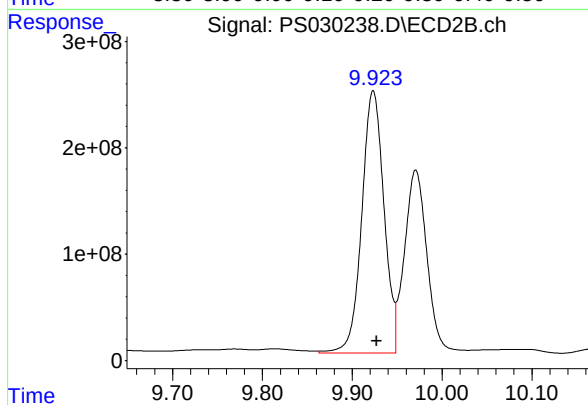
#11 2,4,5-TP (SILVEX)

R.T.: 9.520 min
Delta R.T.: -0.003 min
Response: 4709761446
Conc: 478.13 ng/ml



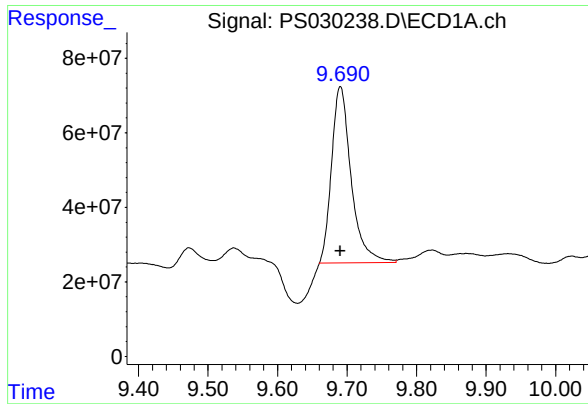
#12 2,4,5-T

R.T.: 9.132 min
Delta R.T.: -0.001 min
Response: 7061911148
Conc: 427.60 ng/ml



#12 2,4,5-T

R.T.: 9.923 min
Delta R.T.: -0.004 min
Response: 4243852365
Conc: 461.11 ng/ml



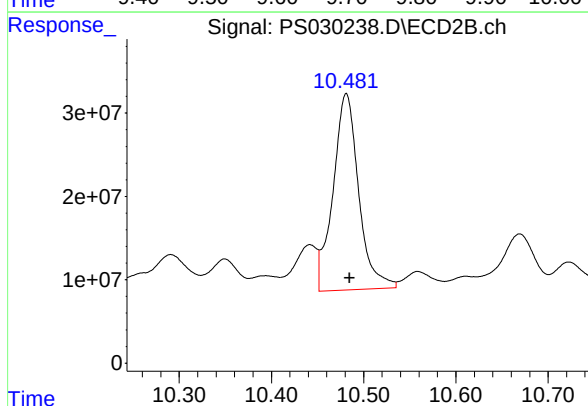
#13 2,4-DB

R.T.: 9.690 min
Delta R.T.: 0.000 min
Response: 926759060
Conc: 355.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD

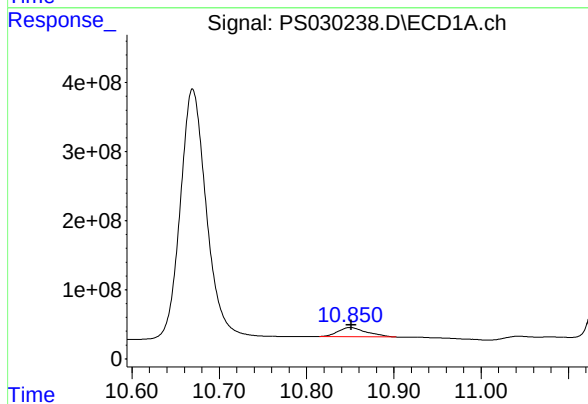
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



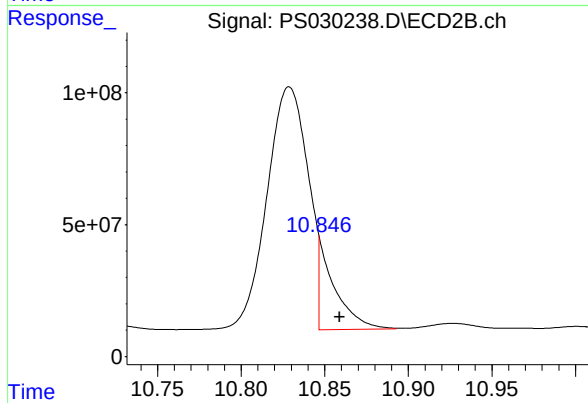
#13 2,4-DB

R.T.: 10.481 min
Delta R.T.: -0.004 min
Response: 454367571
Conc: 457.86 ng/ml



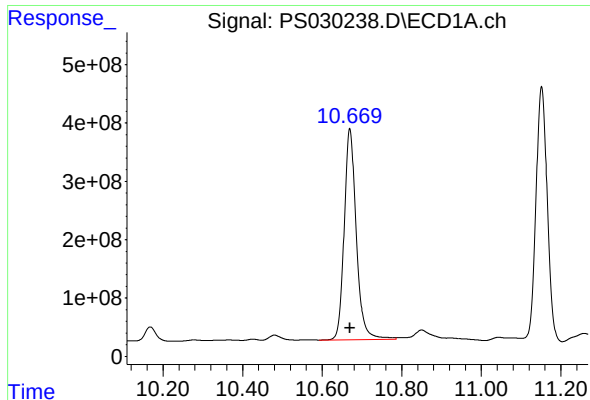
#14 DINOSEB

R.T.: 10.850 min
Delta R.T.: -0.002 min
Response: 306583341
Conc: 26.81 ng/ml m



#14 DINOSEB

R.T.: 10.846 min
Delta R.T.: -0.012 min
Response: 233654551
Conc: 34.20 ng/ml m



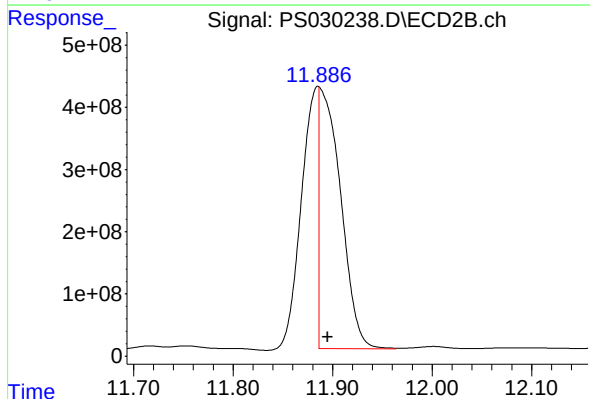
#15 Picloram

R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 7659884973
Conc: 358.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD

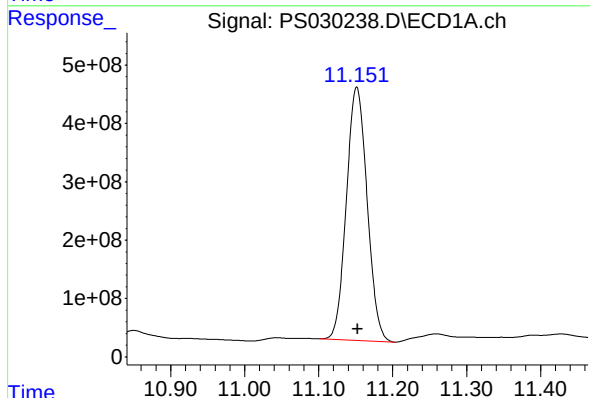
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/20/2025



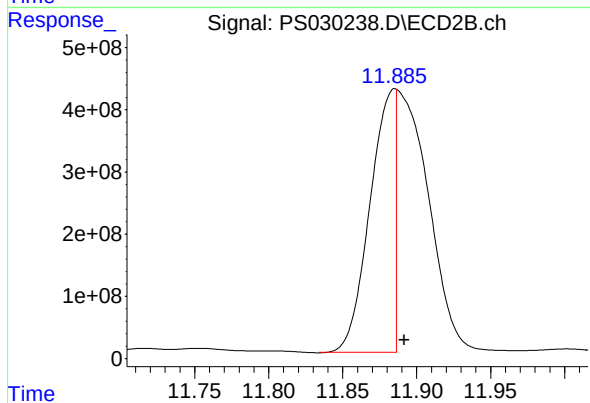
#15 Picloram

R.T.: 11.886 min
Delta R.T.: -0.009 min
Response: 6225453190
Conc: 442.36 ng/ml m



#16 DCPA

R.T.: 11.152 min
Delta R.T.: -0.001 min
Response: 8453735008
Conc: 424.57 ng/ml



#16 DCPA

R.T.: 11.885 min
Delta R.T.: -0.007 min
Response: 5050301093
Conc: 373.81 ng/ml m

Manual Integration Report

Sequence:	PS051225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030125.D	DCPA #2	Abdul	5/13/2025 9:33:45 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC200	PS030125.D	Picloram #2	Abdul	5/13/2025 9:33:45 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC500	PS030126.D	DCPA #2	Abdul	5/13/2025 9:33:50 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC500	PS030126.D	Picloram #2	Abdul	5/13/2025 9:33:50 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC750	PS030127.D	DCPA #2	Abdul	5/13/2025 9:33:54 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC750	PS030127.D	Picloram #2	Abdul	5/13/2025 9:33:54 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1000	PS030128.D	DCPA #2	Abdul	5/13/2025 9:33:58 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1000	PS030128.D	Picloram #2	Abdul	5/13/2025 9:33:58 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1500	PS030129.D	DCPA #2	Abdul	5/13/2025 9:34:03 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1500	PS030129.D	Picloram #2	Abdul	5/13/2025 9:34:03 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICV750	PS030130.D	DCPA #2	Abdul	5/13/2025 9:34:08 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICV750	PS030130.D	Picloram #2	Abdul	5/13/2025 9:34:08 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030132.D	DCPA #2	Abdul	5/13/2025 9:34:12 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software

Manual Integration Report

Sequence:

PS051225

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030132.D	Picloram #2	Abdul	5/13/2025 9:34:12 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030138.D	DCPA #2	Abdul	5/13/2025 9:34:34 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030138.D	Picloram #2	Abdul	5/13/2025 9:34:34 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030146.D	DCPA #2	Abdul	5/13/2025 9:35:02 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030146.D	Picloram #2	Abdul	5/13/2025 9:35:02 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software

Manual Integration Report

Sequence:	PS051525	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030224.D	DCPA #2	Abdul	5/16/2025 10:03:21 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030224.D	Picloram #2	Abdul	5/16/2025 10:03:21 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
I.BLK	PS030235.D	2,4-DCAA #2	Abdul	5/16/2025 10:03:48 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030236.D	DCPA #2	Abdul	5/16/2025 10:03:52 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030236.D	Picloram #2	Abdul	5/16/2025 10:03:52 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MS	PS030237.D	2,4-DB	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MS	PS030237.D	2,4-DCAA	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MS	PS030237.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MS	PS030237.D	DCPA #2	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MS	PS030237.D	DINOSEB #2	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MS	PS030237.D	Picloram #2	Abdul	5/16/2025 10:03:55 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	2,4-DB	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	2,4-DCAA #2	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software

Manual Integration Report

Sequence:	PS051525	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1982-08MSD	PS030238.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	DCPA #2	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	DINOSEB	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	DINOSEB #2	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1982-08MSD	PS030238.D	Picloram #2	Abdul	5/16/2025 10:03:59 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1984-03	PS030246.D	2,4-DCAA	Abdul	5/16/2025 10:04:19 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030248.D	DCPA #2	Abdul	5/16/2025 10:04:22 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030248.D	Picloram #2	Abdul	5/16/2025 10:04:22 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1984-07	PS030250.D	2,4-DCAA #2	Abdul	5/16/2025 10:04:26 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1984-09	PS030251.D	2,4-DCAA #2	Abdul	5/16/2025 10:04:29 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
Q1984-11	PS030252.D	2,4-DCAA #2	Abdul	5/16/2025 10:04:33 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030256.D	DCPA #2	Abdul	5/16/2025 10:04:36 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software
HSTDCCC750	PS030256.D	Picloram #2	Abdul	5/16/2025 10:04:36 AM	mohammad	5/20/2025 2:55:26	Peak Integrated by Software



Manual Integration Report							
Sequence:	PS051525	Instrument				ECD_s	
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

Manual Integration Report

Sequence:	PS051925	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030259.D	DCPA #2	Abdul	5/20/2025 8:59:24 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030259.D	Picloram #2	Abdul	5/20/2025 8:59:24 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030264.D	DCPA #2	Abdul	5/20/2025 8:59:43 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030264.D	Picloram #2	Abdul	5/20/2025 8:59:43 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030276.D	DCPA #2	Abdul	5/20/2025 9:00:27 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030276.D	Picloram #2	Abdul	5/20/2025 9:00:27 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
PB167996BL	PS030279.D	2,4-DCAA #2	Abdul	5/20/2025 9:00:40 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
PB167996BS	PS030280.D	DCPA #2	Abdul	5/20/2025 9:00:43 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
PB167996BS	PS030280.D	Picloram #2	Abdul	5/20/2025 9:00:43 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030288.D	DCPA #2	Abdul	5/20/2025 9:01:15 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030288.D	Picloram #2	Abdul	5/20/2025 9:01:15 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030300.D	DCPA #2	Abdul	5/20/2025 9:01:45 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software
HSTDCCC750	PS030300.D	Picloram #2	Abdul	5/20/2025 9:01:45 AM	mohammad	5/21/2025 5:36:56	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PS051925

Instrument

ECD_s

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030123.D	12 May 2025 11:42	AR\AJ	Ok
2	I.BLK	PS030124.D	12 May 2025 12:06	AR\AJ	Ok
3	HSTDICC200	PS030125.D	12 May 2025 12:30	AR\AJ	Ok,M
4	HSTDICC500	PS030126.D	12 May 2025 12:54	AR\AJ	Ok,M
5	HSTDICC750	PS030127.D	12 May 2025 13:18	AR\AJ	Ok,M
6	HSTDICC1000	PS030128.D	12 May 2025 13:42	AR\AJ	Ok,M
7	HSTDICC1500	PS030129.D	12 May 2025 14:06	AR\AJ	Ok,M
8	HSTDICV750	PS030130.D	12 May 2025 14:30	AR\AJ	Ok,M
9	I.BLK	PS030131.D	12 May 2025 14:54	AR\AJ	Ok
10	HSTDCCC750	PS030132.D	12 May 2025 15:18	AR\AJ	Ok,M
11	Q1972-01	PS030133.D	12 May 2025 15:42	AR\AJ	ReRun
12	Q1972-01RE	PS030134.D	12 May 2025 16:58	AR\AJ	Confirms
13	Q1972-05	PS030135.D	12 May 2025 17:46	AR\AJ	Ok,M
14	Q1972-05RE	PS030136.D	12 May 2025 18:10	AR\AJ	Not Ok
15	I.BLK	PS030137.D	12 May 2025 18:34	AR\AJ	Ok
16	HSTDCCC750	PS030138.D	12 May 2025 18:58	AR\AJ	Ok,M
17	PB167968BL	PS030139.D	12 May 2025 19:46	AR\AJ	Ok,M
18	PB167968BS	PS030140.D	12 May 2025 20:10	AR\AJ	Ok,M
19	PB167851TB	PS030141.D	12 May 2025 20:34	AR\AJ	Ok
20	Q1956-05	PS030142.D	12 May 2025 20:59	AR\AJ	Ok,M
21	Q1956-05MS	PS030143.D	12 May 2025 21:23	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

22	Q1956-05MSD	PS030144.D	12 May 2025 21:47	AR\AJ	Ok,M
23	I.BLK	PS030145.D	12 May 2025 22:11	AR\AJ	Ok
24	HSTDCCC750	PS030146.D	12 May 2025 22:35	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM
Supervise By	mohammad	Supervise On	5/20/2025 2:55:26 AM
SubDirectory	PS051525	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030222.D	15 May 2025 09:02	AR\AJ	Ok
2	I.BLK	PS030223.D	15 May 2025 09:26	AR\AJ	Ok
3	HSTDCCC750	PS030224.D	15 May 2025 10:18	AR\AJ	Ok,M
4	PB167976BS	PS030225.D	15 May 2025 10:42	AR\AJ	Not Ok
5	PB167988BS	PS030226.D	15 May 2025 11:06	AR\AJ	Ok,M
6	Q1982-01	PS030227.D	15 May 2025 11:39	AR\AJ	Ok,M
7	Q1982-02	PS030228.D	15 May 2025 12:03	AR\AJ	Ok,M
8	Q1982-03	PS030229.D	15 May 2025 12:27	AR\AJ	Ok,M
9	Q1982-04	PS030230.D	15 May 2025 12:51	AR\AJ	Ok
10	Q1982-05	PS030231.D	15 May 2025 13:15	AR\AJ	Ok
11	Q1982-06	PS030232.D	15 May 2025 13:39	AR\AJ	Ok,M
12	Q1982-07	PS030233.D	15 May 2025 14:04	AR\AJ	Ok
13	Q1982-08	PS030234.D	15 May 2025 14:28	AR\AJ	Ok,M
14	I.BLK	PS030235.D	15 May 2025 15:42	AR\AJ	Ok,M
15	HSTDCCC750	PS030236.D	15 May 2025 16:06	AR\AJ	Ok,M
16	Q1982-08MS	PS030237.D	15 May 2025 16:30	AR\AJ	Ok,M
17	Q1982-08MSD	PS030238.D	15 May 2025 16:54	AR\AJ	Ok,M
18	Q2010-01	PS030239.D	15 May 2025 17:18	AR\AJ	Ok,M
19	Q2010-02	PS030240.D	15 May 2025 17:43	AR\AJ	Ok,M
20	Q2010-03	PS030241.D	15 May 2025 18:07	AR\AJ	Ok
21	Q2010-04	PS030242.D	15 May 2025 18:31	AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM
Supervise By	mohammad	Supervise On	5/20/2025 2:55:26 AM
SubDirectory	PS051525	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

22	Q2019-01	PS030243.D	15 May 2025 18:55	AR\AJ	Ok,M
23	Q2020-01	PS030244.D	15 May 2025 19:19	AR\AJ	Ok,M
24	Q1984-01	PS030245.D	15 May 2025 19:43	AR\AJ	Ok
25	Q1984-03	PS030246.D	15 May 2025 20:07	AR\AJ	Ok,M
26	I.BLK	PS030247.D	15 May 2025 20:31	AR\AJ	Ok
27	HSTDCCC750	PS030248.D	15 May 2025 20:55	AR\AJ	Ok,M
28	Q1984-05	PS030249.D	15 May 2025 21:19	AR\AJ	Ok
29	Q1984-07	PS030250.D	15 May 2025 21:43	AR\AJ	Ok,M
30	Q1984-09	PS030251.D	15 May 2025 22:08	AR\AJ	Ok,M
31	Q1984-11	PS030252.D	15 May 2025 22:32	AR\AJ	Ok,M
32	Q1984-13	PS030253.D	15 May 2025 22:56	AR\AJ	Ok
33	Q1984-15	PS030254.D	15 May 2025 23:20	AR\AJ	Ok
34	I.BLK	PS030255.D	15 May 2025 23:44	AR\AJ	Ok
35	HSTDCCC750	PS030256.D	16 May 2025 00:08	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030257.D	19 May 2025 08:30	AR\AJ	Ok
2	I.BLK	PS030258.D	19 May 2025 08:54	AR\AJ	Ok
3	HSTDCCC750	PS030259.D	19 May 2025 09:18	AR\AJ	Ok,M
4	PB168030BL	PS030260.D	19 May 2025 10:12	AR\AJ	Ok
5	PB168030BS	PS030261.D	19 May 2025 10:36	AR\AJ	Ok,M
6	Q2038-01	PS030262.D	19 May 2025 11:00	AR\AJ	Ok,M
7	I.BLK	PS030263.D	19 May 2025 11:24	AR\AJ	Ok
8	HSTDCCC750	PS030264.D	19 May 2025 11:48	AR\AJ	Ok,M
9	Q2034-01	PS030265.D	19 May 2025 12:12	AR\AJ	Ok,M
10	Q2034-05	PS030266.D	19 May 2025 12:36	AR\AJ	Ok,M
11	Q2034-09	PS030267.D	19 May 2025 13:00	AR\AJ	Ok,M
12	Q2034-13	PS030268.D	19 May 2025 13:24	AR\AJ	Ok,M
13	Q2034-17	PS030269.D	19 May 2025 13:48	AR\AJ	Ok,M
14	Q2034-21	PS030270.D	19 May 2025 14:12	AR\AJ	Ok,M
15	Q2048-01	PS030271.D	19 May 2025 14:36	AR\AJ	Ok,M
16	Q2048-05	PS030272.D	19 May 2025 15:00	AR\AJ	Ok,M
17	Q2048-09	PS030273.D	19 May 2025 15:24	AR\AJ	Ok,M
18	Q2048-13	PS030274.D	19 May 2025 15:48	AR\AJ	Ok,M
19	I.BLK	PS030275.D	19 May 2025 16:12	AR\AJ	Ok
20	HSTDCCC750	PS030276.D	19 May 2025 16:37	AR\AJ	Ok,M
21	Q2052-01	PS030277.D	19 May 2025 17:01	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 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	Q2057-01	PS030278.D	19 May 2025 17:25	AR\AJ	Ok,M
23	PB167996BL	PS030279.D	19 May 2025 17:49	AR\AJ	Ok,M
24	PB167996BS	PS030280.D	19 May 2025 18:13	AR\AJ	Ok,M
25	Q2032-01	PS030281.D	19 May 2025 18:37	AR\AJ	Ok,M
26	Q2032-02	PS030282.D	19 May 2025 19:01	AR\AJ	Ok,M
27	Q2032-03	PS030283.D	19 May 2025 19:25	AR\AJ	Ok,M
28	Q2032-04	PS030284.D	19 May 2025 19:49	AR\AJ	Ok,M
29	Q2032-05MS	PS030285.D	19 May 2025 20:13	AR\AJ	Ok,M
30	Q2032-06MSD	PS030286.D	19 May 2025 20:38	AR\AJ	Ok,M
31	I.BLK	PS030287.D	19 May 2025 21:02	AR\AJ	Ok
32	HSTDCCC750	PS030288.D	19 May 2025 21:26	AR\AJ	Ok,M
33	Q2032-07	PS030289.D	19 May 2025 21:50	AR\AJ	Ok,M
34	Q2032-08	PS030290.D	19 May 2025 22:14	AR\AJ	Ok,M
35	PB168065BL	PS030291.D	19 May 2025 22:38	AR\AJ	Ok
36	PB168065BS	PS030292.D	19 May 2025 23:02	AR\AJ	Ok,M
37	PB167994TB	PS030293.D	19 May 2025 23:26	AR\AJ	Ok,M
38	Q2027-03	PS030294.D	19 May 2025 23:50	AR\AJ	Ok
39	Q2027-03MS	PS030295.D	20 May 2025 00:14	AR\AJ	Ok,M
40	Q2027-03MSD	PS030296.D	20 May 2025 00:38	AR\AJ	Ok,M
41	Q2027-04	PS030297.D	20 May 2025 01:03	AR\AJ	Ok
42	Q2032-09	PS030298.D	20 May 2025 01:27	AR\AJ	Ok
43	I.BLK	PS030299.D	20 May 2025 01:51	AR\AJ	Ok
44	HSTDCCC750	PS030300.D	20 May 2025 02:15	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 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	PS030123.D	12 May 2025 11:42		AR\AJ	Ok
2	I.BLK	I.BLK	PS030124.D	12 May 2025 12:06		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030125.D	12 May 2025 12:30		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030126.D	12 May 2025 12:54		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS030127.D	12 May 2025 13:18		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030128.D	12 May 2025 13:42		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030129.D	12 May 2025 14:06		AR\AJ	Ok,M
8	HSTDICV750	ICVPS051225	PS030130.D	12 May 2025 14:30		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030131.D	12 May 2025 14:54		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030132.D	12 May 2025 15:18		AR\AJ	Ok,M
11	Q1972-01	SUB-WC	PS030133.D	12 May 2025 15:42	Surrogate high in both column	AR\AJ	ReRun
12	Q1972-01RE	SUB-WCRE	PS030134.D	12 May 2025 16:58	Surrogate high in both column	AR\AJ	Confirms
13	Q1972-05	WC-B-10	PS030135.D	12 May 2025 17:46		AR\AJ	Ok,M
14	Q1972-05RE	WC-B-10RE	PS030136.D	12 May 2025 18:10	not needed	AR\AJ	Not Ok
15	I.BLK	I.BLK	PS030137.D	12 May 2025 18:34		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS030138.D	12 May 2025 18:58		AR\AJ	Ok,M
17	PB167968BL	PB167968BL	PS030139.D	12 May 2025 19:46		AR\AJ	Ok,M
18	PB167968BS	PB167968BS	PS030140.D	12 May 2025 20:10		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 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	PB167851TB	PB167851TB	PS030141.D	12 May 2025 20:34		AR\AJ	Ok
20	Q1956-05	COMP1	PS030142.D	12 May 2025 20:59		AR\AJ	Ok,M
21	Q1956-05MS	COMP1MS	PS030143.D	12 May 2025 21:23	Comp#1,6,14 recovery fail	AR\AJ	Ok,M
22	Q1956-05MSD	COMP1MSD	PS030144.D	12 May 2025 21:47	Comp#1,6,14 recovery fail	AR\AJ	Ok,M
23	I.BLK	I.BLK	PS030145.D	12 May 2025 22:11		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS030146.D	12 May 2025 22:35		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM
Supervise By	mohammad	Supervise On	5/20/2025 2:55:26 AM
SubDirectory	PS051525	HP Acquire Method	HP Processing Method ps051225 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	PS030222.D	15 May 2025 09:02		AR\AJ	Ok
2	I.BLK	I.BLK	PS030223.D	15 May 2025 09:26		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030224.D	15 May 2025 10:18		AR\AJ	Ok,M
4	PB167976BS	PB167976BS	PS030225.D	15 May 2025 10:42		AR\AJ	Not Ok
5	PB167988BS	PB167988BS	PS030226.D	15 May 2025 11:06		AR\AJ	Ok,M
6	Q1982-01	TP-1	PS030227.D	15 May 2025 11:39		AR\AJ	Ok,M
7	Q1982-02	TP-2B	PS030228.D	15 May 2025 12:03		AR\AJ	Ok,M
8	Q1982-03	TP-3	PS030229.D	15 May 2025 12:27		AR\AJ	Ok,M
9	Q1982-04	TP-4	PS030230.D	15 May 2025 12:51		AR\AJ	Ok
10	Q1982-05	TP-5	PS030231.D	15 May 2025 13:15		AR\AJ	Ok
11	Q1982-06	TP-6	PS030232.D	15 May 2025 13:39		AR\AJ	Ok,M
12	Q1982-07	TP-8	PS030233.D	15 May 2025 14:04		AR\AJ	Ok
13	Q1982-08	TP-9	PS030234.D	15 May 2025 14:28		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS030235.D	15 May 2025 15:42		AR\AJ	Ok,M
15	HSTDCCC750	HSTDCCC750	PS030236.D	15 May 2025 16:06		AR\AJ	Ok,M
16	Q1982-08MS	TP-9MS	PS030237.D	15 May 2025 16:30		AR\AJ	Ok,M
17	Q1982-08MSD	TP-9MSD	PS030238.D	15 May 2025 16:54		AR\AJ	Ok,M
18	Q2010-01	TP-10	PS030239.D	15 May 2025 17:18		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM
Supervise By	mohammad	Supervise On	5/20/2025 2:55:26 AM
SubDirectory	PS051525	HP Acquire Method	HP Processing Method ps051225 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	Q2010-02	TP-13	PS030240.D	15 May 2025 17:43		AR\AJ	Ok,M
20	Q2010-03	TP-14	PS030241.D	15 May 2025 18:07		AR\AJ	Ok
21	Q2010-04	TP-17	PS030242.D	15 May 2025 18:31		AR\AJ	Ok
22	Q2019-01	MH-K	PS030243.D	15 May 2025 18:55		AR\AJ	Ok,M
23	Q2020-01	TP-A	PS030244.D	15 May 2025 19:19		AR\AJ	Ok,M
24	Q1984-01	OU4-PCS-TC-33-05072	PS030245.D	15 May 2025 19:43		AR\AJ	Ok
25	Q1984-03	OU4-PCS-TC-34-05072	PS030246.D	15 May 2025 20:07		AR\AJ	Ok,M
26	I.BLK	I.BLK	PS030247.D	15 May 2025 20:31		AR\AJ	Ok
27	HSTDCCC750	HSTDCCC750	PS030248.D	15 May 2025 20:55		AR\AJ	Ok,M
28	Q1984-05	OU4-PCS-TC-35-05072	PS030249.D	15 May 2025 21:19		AR\AJ	Ok
29	Q1984-07	OU4-TS-24-050725	PS030250.D	15 May 2025 21:43		AR\AJ	Ok,M
30	Q1984-09	OU4-TS-25-050725	PS030251.D	15 May 2025 22:08		AR\AJ	Ok,M
31	Q1984-11	OU4-TS-26-050725	PS030252.D	15 May 2025 22:32		AR\AJ	Ok,M
32	Q1984-13	OU4-TS-27-050725	PS030253.D	15 May 2025 22:56		AR\AJ	Ok
33	Q1984-15	OU4-TS-28-050725	PS030254.D	15 May 2025 23:20		AR\AJ	Ok
34	I.BLK	I.BLK	PS030255.D	15 May 2025 23:44		AR\AJ	Ok
35	HSTDCCC750	HSTDCCC750	PS030256.D	16 May 2025 00:08		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 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	PS030257.D	19 May 2025 08:30		AR\AJ	Ok
2	I.BLK	I.BLK	PS030258.D	19 May 2025 08:54		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030259.D	19 May 2025 09:18		AR\AJ	Ok,M
4	PB168030BL	PB168030BL	PS030260.D	19 May 2025 10:12		AR\AJ	Ok
5	PB168030BS	PB168030BS	PS030261.D	19 May 2025 10:36		AR\AJ	Ok,M
6	Q2038-01	72-11991	PS030262.D	19 May 2025 11:00		AR\AJ	Ok,M
7	I.BLK	I.BLK	PS030263.D	19 May 2025 11:24		AR\AJ	Ok
8	HSTDCCC750	HSTDCCC750	PS030264.D	19 May 2025 11:48		AR\AJ	Ok,M
9	Q2034-01	L3-WC-1	PS030265.D	19 May 2025 12:12		AR\AJ	Ok,M
10	Q2034-05	L3-WC-2	PS030266.D	19 May 2025 12:36		AR\AJ	Ok,M
11	Q2034-09	L3-WC-3	PS030267.D	19 May 2025 13:00		AR\AJ	Ok,M
12	Q2034-13	L3-WC-4	PS030268.D	19 May 2025 13:24		AR\AJ	Ok,M
13	Q2034-17	L3-WC-5	PS030269.D	19 May 2025 13:48		AR\AJ	Ok,M
14	Q2034-21	L3-WC-6	PS030270.D	19 May 2025 14:12		AR\AJ	Ok,M
15	Q2048-01	L2-WC-1	PS030271.D	19 May 2025 14:36		AR\AJ	Ok,M
16	Q2048-05	L2-WC-2	PS030272.D	19 May 2025 15:00		AR\AJ	Ok,M
17	Q2048-09	L2-WC-3	PS030273.D	19 May 2025 15:24		AR\AJ	Ok,M
18	Q2048-13	L2-WC-4	PS030274.D	19 May 2025 15:48		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 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	I.BLK	I.BLK	PS030275.D	19 May 2025 16:12		AR\AJ	Ok
20	HSTDCCC750	HSTDCCC750	PS030276.D	19 May 2025 16:37		AR\AJ	Ok,M
21	Q2052-01	TP-B	PS030277.D	19 May 2025 17:01		AR\AJ	Ok,M
22	Q2057-01	MH-L	PS030278.D	19 May 2025 17:25		AR\AJ	Ok,M
23	PB167996BL	PB167996BL	PS030279.D	19 May 2025 17:49		AR\AJ	Ok,M
24	PB167996BS	PB167996BS	PS030280.D	19 May 2025 18:13		AR\AJ	Ok,M
25	Q2032-01	TP-11	PS030281.D	19 May 2025 18:37		AR\AJ	Ok,M
26	Q2032-02	TP-29	PS030282.D	19 May 2025 19:01		AR\AJ	Ok,M
27	Q2032-03	TP-29-99	PS030283.D	19 May 2025 19:25		AR\AJ	Ok,M
28	Q2032-04	TP-24	PS030284.D	19 May 2025 19:49		AR\AJ	Ok,M
29	Q2032-05MS	TP-24MS	PS030285.D	19 May 2025 20:13		AR\AJ	Ok,M
30	Q2032-06MSD	TP-24MSD	PS030286.D	19 May 2025 20:38		AR\AJ	Ok,M
31	I.BLK	I.BLK	PS030287.D	19 May 2025 21:02		AR\AJ	Ok
32	HSTDCCC750	HSTDCCC750	PS030288.D	19 May 2025 21:26		AR\AJ	Ok,M
33	Q2032-07	TP-37	PS030289.D	19 May 2025 21:50		AR\AJ	Ok,M
34	Q2032-08	TP-32	PS030290.D	19 May 2025 22:14		AR\AJ	Ok,M
35	PB168065BL	PB168065BL	PS030291.D	19 May 2025 22:38		AR\AJ	Ok
36	PB168065BS	PB168065BS	PS030292.D	19 May 2025 23:02		AR\AJ	Ok,M
37	PB167994TB	PB167994TB	PS030293.D	19 May 2025 23:26		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051925

Review By	Abdul	Review On	5/20/2025 9:02:23 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:36:56 AM
SubDirectory	PS051925	HP Acquire Method	HP Processing Method ps051225 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			

38	Q2027-03	B27-SOIL-SAMPLE	PS030294.D	19 May 2025 23:50		AR\AJ	Ok
39	Q2027-03MS	B27-SOIL-SAMPLEMS	PS030295.D	20 May 2025 00:14		AR\AJ	Ok,M
40	Q2027-03MSD	B27-SOIL-SAMPLEMS	PS030296.D	20 May 2025 00:38		AR\AJ	Ok,M
41	Q2027-04	B28-SOIL-SAMPLE	PS030297.D	20 May 2025 01:03		AR\AJ	Ok
42	Q2032-09	COMP-1	PS030298.D	20 May 2025 01:27		AR\AJ	Ok
43	I.BLK	I.BLK	PS030299.D	20 May 2025 01:51		AR\AJ	Ok
44	HSTDCCC750	HSTDCCC750	PS030300.D	20 May 2025 02:15		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135705

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
Q1929-14	WC-A4-02-C	1	1.15	10.65	11.8	10.38	86.7	
Q1929-15	WC-A1-03-C	2	1.18	10.06	11.24	9.00	77.7	
Q1929-16	WC-A1-04-C	3	1.17	10.24	11.41	9.52	81.5	
Q1982-01	TP-1	4	1.15	10.33	11.48	9.51	80.9	
Q1982-02	TP-2B	5	1.18	10.20	11.38	9.85	85.0	
Q1982-03	TP-3	6	1.18	10.54	11.72	10.74	90.7	
Q1982-04	TP-4	7	1.19	10.07	11.26	9.99	87.4	
Q1982-05	TP-5	8	1.18	10.08	11.26	10.24	89.9	
Q1982-06	TP-6	9	1.16	10.74	11.9	10.42	86.2	
Q1982-07	TP-7	10	1.19	10.23	11.42	9.75	83.7	
Q1982-08	TP-8	11	1.16	10.42	11.58	9.63	81.3	
Q1983-01	OR-636-COMP-01	12	1.16	10.07	11.23	10.1	88.8	
Q1983-02	OR-636-VOC-01	13	1.18	10.23	11.41	9.74	83.7	
Q1983-03	OR-636-01	14	1.16	9.92	11.08	9.73	86.4	
Q1983-04	OR-636-02	15	1.19	10.30	11.49	10.15	87.0	
Q1983-05	OR-636-03	16	1.15	9.56	10.71	9.77	90.2	
Q1983-07	OR-636-COMP-02	17	1.17	10.61	11.78	10.6	88.9	
Q1983-08	OR-636-VOC-02	18	1.12	10.72	11.84	10.58	88.2	
Q1983-09	OR-636-04	19	1.17	10.05	11.22	9.89	86.8	
Q1983-10	OR-636-05	20	1.19	10.59	11.78	10.78	90.6	
Q1983-11	OR-636-06	21	1.18	10.14	11.32	10.02	87.2	
Q1983-13	OR-636-COMP-03	22	1.14	10.30	11.44	10.75	93.3	
Q1983-14	OR-636-VOC-03	23	1.15	10.36	11.51	10.61	91.3	
Q1983-15	OR-636-07	24	1.16	10.64	11.8	11.39	96.1	
Q1983-16	OR-636-08	25	1.14	10.73	11.87	10.89	90.9	
Q1983-17	OR-636-09	26	1.18	10.44	11.62	10.74	91.6	
Q1983-19	OR-636-COMP-04	27	1.18	10.81	11.99	11.05	91.3	
Q1983-20	OR-636-VOC-04	28	1.15	10.33	11.48	9.6	81.8	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135705

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
Q1983-21	OR-636-10	29	1.19	10.51	11.7	10.72	90.7	
Q1983-22	OR-636-11	30	1.19	10.59	11.78	10.5	87.9	
Q1983-23	OR-636-12	31	1.15	10.43	11.58	9.76	82.6	
Q1983-25	OR-636-COMP-05	32	1.17	9.97	11.14	9.07	79.2	
Q1983-26	OR-636-VOC-05	33	1.16	10.04	11.2	9.08	78.9	
Q1983-27	OR-636-13	34	1.14	10.53	11.67	11.04	94.0	
Q1983-28	OR-636-14	35	1.15	10.52	11.67	10.00	84.1	
Q1983-29	OR-636-15	36	1.16	10.35	11.51	9.74	82.9	
Q1983-31	OR-636-COMP-06	37	1.15	9.84	10.99	9.52	85.1	
Q1983-32	OR-636-VOC-06	38	1.17	10.61	11.78	10.78	90.6	
Q1983-33	OR-636-16	39	1.19	9.73	10.92	10.4	94.7	
Q1983-34	OR-636-17	40	1.13	10.55	11.68	10.37	87.6	
Q1983-35	OR-636-18	41	1.18	10.15	11.33	9.59	82.9	
Q1983-37	OR-636-COMP-07	42	1.18	10.44	11.62	10.35	87.8	
Q1983-38	OR-636-VOC-07	43	1.12	10.77	11.89	10.88	90.6	
Q1983-39	OR-636-19	44	1.15	9.66	10.81	9.34	84.8	
Q1983-40	OR-636-20	45	1.18	10.29	11.47	10.21	87.8	
Q1983-41	OR-636-21	46	1.14	10.58	11.72	10.5	88.5	
Q1983-43	OR-636-COMP-08	47	1.15	10.25	11.4	10.45	90.7	
Q1983-44	OR-636-VOC-08	48	1.16	9.97	11.13	10.78	96.5	
Q1983-45	OR-636-22	49	1.13	10.62	11.75	10.91	92.1	
Q1983-46	OR-636-23	50	1.19	9.96	11.15	10.05	89.0	
Q1983-47	OR-636-24	51	1.13	10.33	11.46	11.18	97.3	
Q1983-49	OR-636-COMP-09	52	1.13	10.36	11.49	10.31	88.6	
Q1983-50	OR-636-VOC-09	53	1.19	10.54	11.73	10.1	84.5	
Q1983-51	OR-636-25	54	1.16	10.09	11.25	9.61	83.7	
Q1983-52	OR-636-26	55	1.18	10.11	11.29	9.93	86.5	
Q1983-53	OR-636-27	56	1.16	9.66	10.82	10.34	95.0	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/9/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 05/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 05/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135705

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
Q1984-01	OU4-PCS-TC-33-050725	57	1.15	9.96	11.11	10.62	95.1	
Q1984-03	OU4-PCS-TC-34-050725	58	1.16	10.82	11.98	11.51	95.7	
Q1984-05	OU4-PCS-TC-35-050725	59	1.19	9.50	10.69	10.16	94.4	
Q1984-07	OU4-TS-24-050725	60	1.15	10.00	11.15	8.12	69.7	
Q1984-09	OU4-TS-25-050725	61	1.17	10.51	11.68	8.32	68.0	
Q1984-11	OU4-TS-26-050725	62	1.17	10.18	11.35	7.29	60.1	
Q1984-13	OU4-TS-27-050725	63	1.16	9.67	10.83	7.2	62.5	
Q1984-15	OU4-TS-28-050725	64	1.16	9.98	11.14	7.61	64.6	
Q1986-01	COMP-8	65	1.18	10.04	11.22	10.5	92.8	
Q1986-03	COMP-9	66	1.18	10.05	11.23	10.44	92.1	
Q1986-05	COMP-10	67	1.16	9.77	10.93	9.84	88.8	
Q1986-07	COMP-11	68	1.19	10.33	11.52	10.55	90.6	
Q1986-09	COMP-218	69	1.16	10.18	11.34	10.45	91.3	
Q1987-01	GC1	70	1.14	9.89	11.03	9.7	86.6	
Q1990-01	43025-A	71	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1990-02	43025-B	72	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1991-01	1217	73	1.00	1.00	2.00	2.00	100.0	oil sample
Q1991-03	30425	74	1.00	1.00	2.00	2.00	100.0	oil sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UB 135705

WorkList Name : %1-050825

WorkList ID : 189376

Department : Wet-Chemistry

Date : 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1929-14	WC-A4-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-15	WC-A1-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1929-16	WC-A1-04-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	04/30/2025	Chemtech -SO
Q1982-01	TP-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-02	TP-2B	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-03	TP-3	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-04	TP-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-05	TP-5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-06	TP-6	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-07	TP-7	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1982-08	TP-8	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/07/2025	Chemtech -SO
Q1983-01	OR-636-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-02	OR-636-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-03	OR-636-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-04	OR-636-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-05	OR-636-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-07	OR-636-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-08	OR-636-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-09	OR-636-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-10	OR-636-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-11	OR-636-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Q1984-Herbicide Group1

Date/Time 05/08/25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

W 135405

WorkList Name : %1-050825

WorkList ID : 189376

Department : Wet-Chemistry

Date : 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-13	OR-636-COMP-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-14	OR-636-VOC-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-15	OR-636-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-16	OR-636-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-17	OR-636-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-19	OR-636-COMP-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-20	OR-636-VOC-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-21	OR-636-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-22	OR-636-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-23	OR-636-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-25	OR-636-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-26	OR-636-VOC-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-27	OR-636-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-28	OR-636-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-29	OR-636-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-31	OR-636-COMP-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-32	OR-636-VOC-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-33	OR-636-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-34	OR-636-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-35	OR-636-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-37	OR-636-COMP-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: JB WOC

Raw Sample Relinquished by: CP S

Q1984-Herbicide Group1

Date/Time 05/08/25 17:30

Raw Sample Received by: CP S

Raw Sample Relinquished by: JB WOC

WORKLIST(Hardcopy Internal Chain)

135405

WorkList Name : %1-050825

WorkList ID : 189376

Department : Wet-Chemistry

Date : 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1983-38	OR-636-VOC-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-39	OR-636-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-40	OR-636-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-41	OR-636-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-43	OR-636-COMP-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-44	OR-636-VOC-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-45	OR-636-22	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-46	OR-636-23	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-47	OR-636-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-49	OR-636-COMP-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-50	OR-636-VOC-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-51	OR-636-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-52	OR-636-26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1983-53	OR-636-27	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/07/2025	Chemtech -SO
Q1984-01	OU4-PCS-TC-33-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-03	OU4-PCS-TC-34-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-05	OU4-PCS-TC-35-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-07	OU4-TS-24-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-09	OU4-TS-25-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-11	OU4-TS-26-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1984-13	OU4-TS-27-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO

Date/Time 05/08/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Q1984-Herbicide Group1

Date/Time 05/08/25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

W135705

WorkList Name : %1-050825

WorkList ID : 189376

Department : Wet-Chemistry

Date : 05-08-2025 08:10:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1984-15	OU4-TS-28-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q1986-01	COMP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-03	COMP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-05	COMP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-07	COMP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1986-09	COMP-218	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	05/08/2025	Chemtech -SO
Q1987-01	GC1	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/07/2025	Chemtech -SO
Q1990-01	43025-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1990-02	43025-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-01	1217	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO
Q1991-03	30425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/08/2025	Chemtech -SO

Date/Time

05/08/25

151.00

Raw Sample Received by:

Raw Sample Relinquished by:

Q1984-Herbicide Group1

Date/Time

05/08/25

17130

Raw Sample Received by:

Raw Sample Relinquished by:

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 05/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 05/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135825

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
Q1984-19	OU4-TB01-050725	1	1.00	1.00	2.00	2.00	100.0	T.B.
Q2074-01	TP-12	2	1.18	10.28	11.46	9.76	83.5	
Q2074-02	TP-7	3	1.18	10.15	11.33	10.18	88.7	
Q2074-03	TP-15	4	1.13	10.33	11.46	10.12	87.0	
Q2074-04	TP-20	5	1.12	10.65	11.77	10.1	84.3	
Q2074-05	TP-38	6	1.18	10.19	11.37	9.53	81.9	
Q2074-06	TP-19	7	1.16	10.12	11.28	9.85	85.9	
Q2074-07	TP-40	8	1.14	9.89	11.03	9.96	89.2	
Q2074-08	TP-18	9	1.15	10.16	11.31	9.07	78.0	
Q2075-01	SS-10	10	1.16	10.56	11.72	9.59	79.8	
Q2075-02	SS-910	11	1.17	10.05	11.22	9.34	81.3	
Q2075-03	SS-11	12	1.18	10.51	11.69	10.37	87.4	
Q2075-04	Q2075-03MS	13	1.18	10.51	11.69	10.37	87.4	
Q2075-05	Q2075-03MSD	14	1.18	10.51	11.69	10.37	87.4	
Q2075-06	SS-MW1-11.5	15	1.14	10.00	11.14	10.24	91.0	
Q2076-01	OILY-DEBRIS	16	1.00	1.00	2.00	2.00	100.0	oily-debris
Q2080-01	PL-HRH-COMP-01	17	1.13	10.62	11.75	10.32	86.5	
Q2080-02	PL-HRH-VOC-01	18	1.17	10.22	11.39	9.6	82.5	
Q2080-03	PL-HRH-01	19	1.12	10.77	11.89	10.16	83.9	
Q2080-04	PL-HRH-02	20	1.16	10.40	11.56	9.82	83.3	
Q2080-05	PL-HRH-03	21	1.15	10.00	11.15	9.43	82.8	
Q2080-07	PL-HRH-COMP-02	22	1.19	10.46	11.65	9.62	80.6	
Q2080-08	PL-HRH-VOC-02	23	1.14	10.76	11.9	9.8	80.5	
Q2080-09	PL-HRH-04	24	1.16	10.70	11.86	9.55	78.4	
Q2080-10	PL-HRH-05	25	1.19	10.43	11.62	9.52	79.9	
Q2080-11	PL-HRH-06	26	1.13	10.74	11.87	10.2	84.5	
Q2081-01	CAULK	27	1.00	1.00	2.00	2.00	100.0	caluk

WORKLIST(Hardcopy Internal Chain)

W135825

WorkList Name : %1-051925

WorkList ID : 189586

Department : Wet-Chemistry

Date : 05-19-2025 08:23:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1984-19	OU4-TB01-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q2074-01	TP-12	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-02	TP-7	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-03	TP-15	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-04	TP-20	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-05	TP-38	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-06	TP-19	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-07	TP-40	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-08	TP-18	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2075-01	SS-10	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-02	SS-910	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-03	SS-11	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-04	Q2075-03MS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-05	Q2075-03MSD	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-06	SS-MW1-11.5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2076-01	OILY-DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-01	PL-HRH-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-02	PL-HRH-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-03	PL-HRH-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-04	PL-HRH-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-05	PL-HRH-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO

Date/Time 05-19-25 15:35

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Q1984-Herbicide Group1

Date/Time 05-19-25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

WB 135825

WorkList Name : %1-051925

WorkList ID : 189586

Department : Wet-Chemistry

Date : 05-19-2025 08:23:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2080-07	PL-HRH-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-08	PL-HRH-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-09	PL-HRH-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-10	PL-HRH-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-11	PL-HRH-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2081-01	CAULK	Solid	Percent Solids	Cool 4 deg C	ATCE02	L31	05/19/2025	Chemtech -SO

Date/Time 05-19-25

15135

Raw Sample Received by:

Raw Sample Relinquished by:

Q1984-Herbicide Group1

Date/Time

05-19-25

17115

Raw Sample Received by:

Raw Sample Relinquished by:

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Extraction Start Date : 05/14/2025

Matrix : Solid

Extraction Start Time : 08:30

Weigh By: EH

Extraction By: RJ

Extraction End Date : 05/14/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 16:00

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: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24484
Surrogate	1.0ML	5000 PPB	PP24552
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	EP2612
Acidified Na2SO4	N/A	EP2576
Sand	N/A	E2865
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2594
Methylene Chloride	N/A	E3930
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3881
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2608
Hexane	N/A	E3934
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

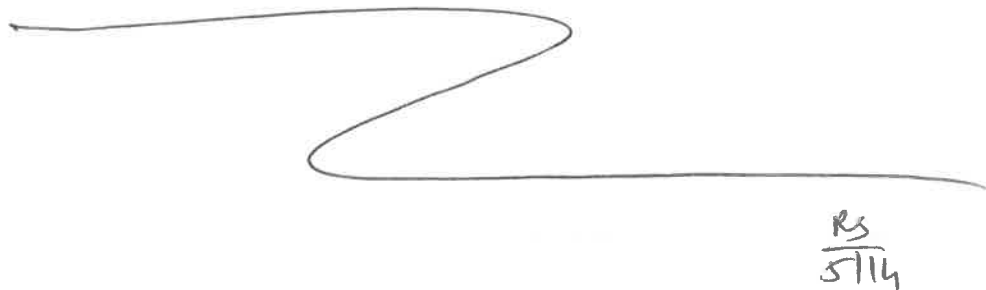
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/14/25	RS (Eut-ab)	Dr. Post-PCB Lab
16:05	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-22

Concentration Date: 05/14/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167996BL	HBLK996	Herbicide	30.01	N/A	ritesh	Evelyn	10			U1-1
PB167996BS	HLCS996	Herbicide	30.03	N/A	ritesh	Evelyn	10			2
Q1982-01	TP-1	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		3
Q1982-02	TP-2B	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q1982-03	TP-3	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		5
Q1982-04	TP-4	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		6
Q1982-05	TP-5	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		U2-1
Q1982-06	TP-6	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		2
Q1982-07	TP-8	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q1982-08	TP-9	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q1982-08MS	TP-9MS	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		5
Q1982-08MS D	TP-9MSD	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		6
Q1984-01	OU4-PCS-TC-33-050725	Herbicide Group1	30.04	N/A	ritesh	Evelyn	10	E		U3-1
Q1984-03	OU4-PCS-TC-34-050725	Herbicide Group1	30.07	N/A	ritesh	Evelyn	10	E		2
Q1984-05	OU4-PCS-TC-35-050725	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		3
Q1984-07	OU4-TS-24-050725	Herbicide Group1	30.06	N/A	ritesh	Evelyn	10	E		4
Q1984-09	OU4-TS-25-050725	Herbicide Group1	30.05	N/A	ritesh	Evelyn	10	E		5
Q1984-11	OU4-TS-26-050725	Herbicide Group1	30.09	N/A	ritesh	Evelyn	10	E		6
Q1984-13	OU4-TS-27-050725	Herbicide Group1	30.07	N/A	ritesh	Evelyn	10	E		U6-1
Q1984-15	OU4-TS-28-050725	Herbicide Group1	30.03	N/A	ritesh	Evelyn	10	E		2
Q2019-01	MH-K	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2020-01	TP-A	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4



* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1984H

WorkList ID : 189497

Department : Extraction

Date : 05-14-2025 08:25:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1982-01	TP-1	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/06/2025	8151A
Q1982-02	TP-2B	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/06/2025	8151A
Q1982-03	TP-3	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/06/2025	8151A
Q1982-04	TP-4	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/07/2025	8151A
Q1982-05	TP-5	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/07/2025	8151A
Q1982-06	TP-6	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/07/2025	8151A
Q1982-07	TP-8	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/07/2025	8151A
Q1982-08	TP-9	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/07/2025	8151A
Q1984-01	OU4-PCS-TC-33-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-03	OU4-PCS-TC-34-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-05	OU4-PCS-TC-35-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-07	OU4-TS-24-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-09	OU4-TS-25-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-11	OU4-TS-26-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-13	OU4-TS-27-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q1984-15	OU4-TS-28-050725	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	L41	05/07/2025	8151A
Q2019-01	MH-K	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/13/2025	8151A
Q2020-01	TP-A	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/12/2025	8151A

Date/Time 08/14/25 8:25
 Raw Sample Received by: RS (Ext-100)
 Raw Sample Relinquished by: CP

Date/Time 08/14/25 9:00
 Raw Sample Received by: CP
 Raw Sample Relinquished by: RS (Ext-100)

Prep Standard - Chemical Standard Summary

Order ID : Q1984
Test : Herbicide Group1
Prepbatch ID : PB167996,
Sequence ID/Qc Batch ID: PS051525,PS051925,

Standard ID :
EP2576,EP2612,PP24484,PP24552,PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560,PP24561,PP24562,

Chemical ID :
E2865,E3370,E3551,E3929,E3930,E3932,E3933,M5173,M6151,P11182,P11183,P12620,P12630,P12689,P12710,P13532,P13533,P13534,P13968,P13969,P13971,P8829,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
601	Acidified Sodium Sulphate 2	EP2576	01/06/2025	06/02/2025	Rajesh Parikh	Extraction_SC ALE_2	None	RUPESHKUMAR SHAH 01/06/2025

FROM 100.00000ml of E3370 + 150.00000ml of M5173 + 3000.00000ml of E3551 = Final Quantity: 3000.000 gram
(EX-SC-2)

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2612	05/09/2025	11/05/2025	RUPESHKUMA R SHAH	None	None	Riteshkumar Patel 05/09/2025

FROM 8000.00000ml of E3930 + 8000.00000ml of E3932 = Final Quantity: 16000.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24484	04/23/2025	10/23/2025	Abdul Mirza	None	None	Yogesh Patel
								05/03/2025

FROM 0.50000ml of P13534 + 1.00000ml of P13532 + 1.00000ml of P13533 + 47.75000ml of E3929 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP24552	05/08/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 1.25000ml of P11182 + 1.25000ml of P13968 + 1.25000ml of P13969 + 195.00000ml of E3933 = Final Quantity: 200.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1691	750 PPB ICV HERB STD	PP24562	05/12/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel
FROM 0.25000ml of E3933 + 0.75000ml of PP24561 = Final Quantity: 1.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9244-03 / Ether, Anhydrous, Purified (cs/4x4L)	0000288039	07/17/2025	08/01/2022 / Rajesh	07/13/2022 / Rajesh	E3370

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	04/18/2025 / RUPESH	04/16/2025 / RUPESH	E3929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

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	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

CHEMICAL RECEIPT LOG BOOK

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-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	11/08/2025	05/08/2025 / Abdul	11/01/2021 / Abdul	P11182

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

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	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13532

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13533

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13533

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13534

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	10/23/2025	04/23/2025 / Abdul	09/03/2024 / Abdul	P13534

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	11/08/2025	05/08/2025 / Abdul	04/02/2025 / Abdul	P13968

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	11/08/2025	05/08/2025 / Abdul	04/02/2025 / Abdul	P13969

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	32254 / Dalapon Methyl Ester, 1000 ug/ml	A0148063	11/12/2025	05/12/2025 / Abdul	08/16/2019 / Stephen	P8829

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

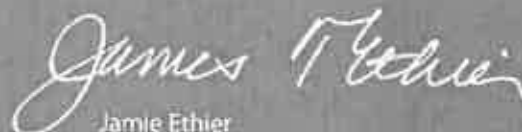
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Ether, Anhydrous
BAKER ANALYZED® A.C.S. Reagent
Contains BHT as a Preservative
Suitable for Fat Extraction



Material No.: 9244-03
Batch No.: 0000288039
Manufactured Date: 2021/07/22
Expiration Date: 2023/07/22
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

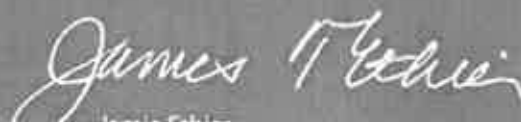
Test	Specification	Result
Assay ((C ₂ H ₅) ₂ O) (by GC, corrected for water)	>= 99.0 %	100.0
Alcohol (C ₂ H ₅ OH)	Passes Test	PT
Carbonyl Compounds (as HCHO) (by polarography)	<= 0.001 %	< 0.001
Color (APHA)	<= 10	< 5
Peroxide (as H ₂ O ₂)	<= 1 ppm	< 1
Preservative (BHT)	>= 7 ppm	9
Residue after Evaporation	<= 0.0010 %	< 0.0010
Titration Acid (μeq/g)	<= 0.2	< 0.2
Water (by KF, coulometric)	<= 0.01 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US

Recd. by RP on 7/13/22

E 3370


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO 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 foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %
COMMENTS		
QC: PhC Irma Belmares		

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3929

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 ppm
Titration Acid (μ eq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

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

 **avantors**[™]



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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3933



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.6
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	1
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.189
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS – Extractable Organic Substances	<= 5 ppm	< 1
ACS – Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities – Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Test	Specification	Result
Trace Impurities – Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™



M6151

R → 11/15/25

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

 **avantorsm**



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**™

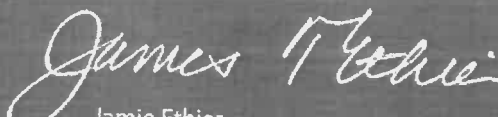


Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
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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


Jamie Ethier
Vice President Global Quality

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

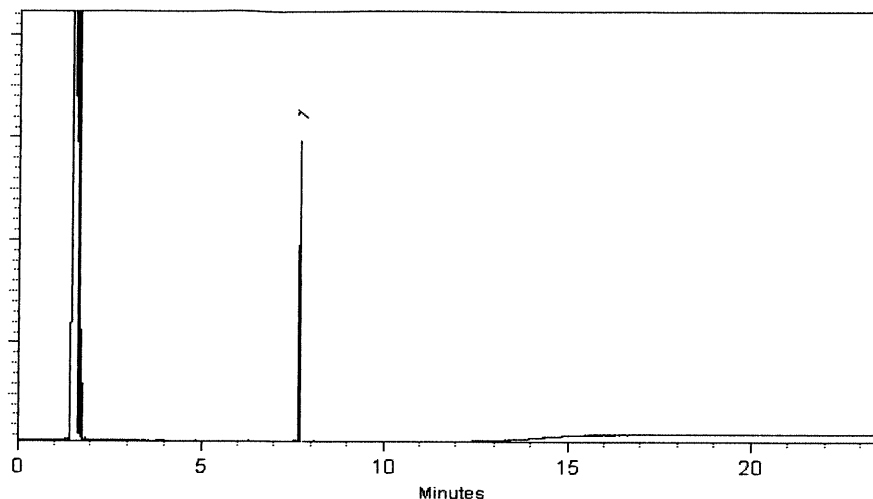
250°C

Det. Temp:

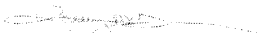
330°C

Det. Type:

FID

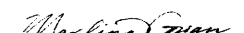


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Katelyn McGinnis - Operations Tech I

Date Mixed: 28-May-2021

Balance: B345965662


Marlene Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

1911177
70
P 111 86
AR
11/02/21



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864
Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard
515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : February 29, 2028 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323 µg/mL Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182 µg/mL Unstressed
	Purity 99%		+/- 6.8182 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11177
↓
P11186
—
AR
01/02/21

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

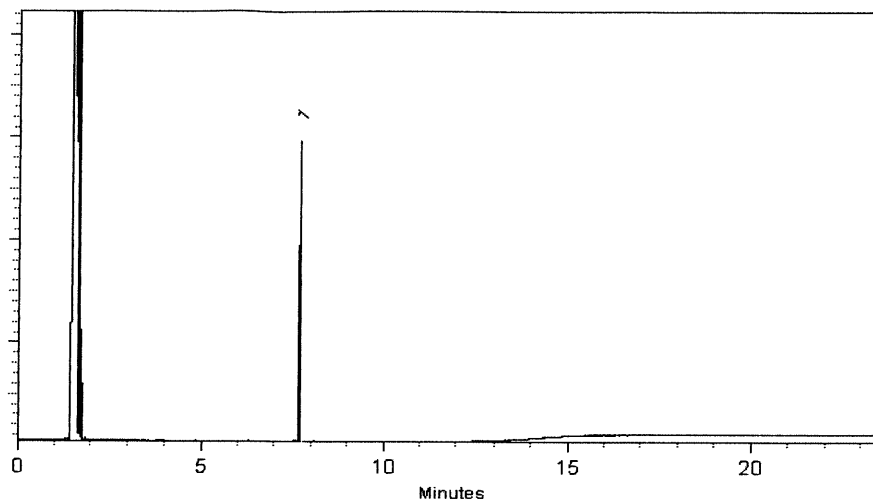
250°C

Det. Temp:

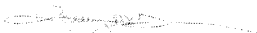
330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Katelyn McGinnis - Operations Tech I

Date Mixed: 28-May-2021

Balance: B345965662


Marlene Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

1911177
70
P 111 86
AR
11/02/21



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323 µg/mL Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182 µg/mL Unstressed
	Purity 99%		+/- 6.8182 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11177
↓
P11186
—
AR
01/02/21



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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. : 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

P12616 / (5)
↓
P12620
✓ *Paul* = 7/5/2023

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	3,5-Dichlorobenzoic acid methyl ester CAS # 2905-67-1 (Lot 3903900) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
2	4-Nitroanisole CAS # 100-17-4 (Lot 24765/7) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
3	Pentachloroanisole CAS # 1825-21-4 (Lot 7921100) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
4	Chloramben methyl ester CAS # 7286-84-2 (Lot 6487100) Purity 98%	199.9 µg/mL	+/- 1.4176 µg/mL Gravimetric +/- 6.7480 µg/mL Unstressed +/- 6.7480 µg/mL Stressed
5	Bentazon methyl ester CAS # 61592-45-8 (Lot 817100) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
6	Picloram methyl ester CAS # 14143-55-6 (Lot 386-21B) Purity 98%	201.9 µg/mL	+/- 1.4315 µg/mL Gravimetric +/- 6.8141 µg/mL Unstressed +/- 6.8141 µg/mL Stressed
7	DCPA methyl ester (Chlorthal-dimethyl) CAS # 1861-32-1 (Lot 8008700) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL 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%

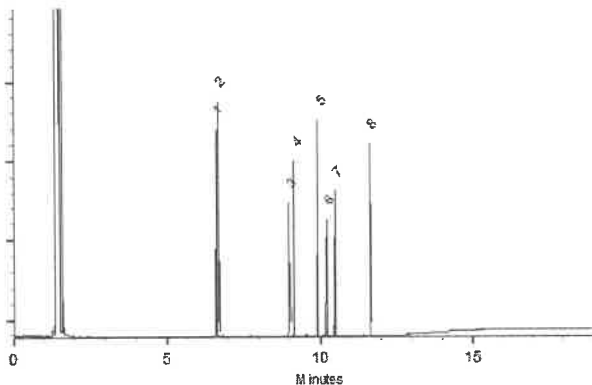
Column:
 30m x 0.25mm x 0.25µm
 Rtx-5 (cat.#10223)
Carrier Gas:
 hydrogen-constant pressure 10 psi.

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 Maje

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Justine Albertson
 Justine Albertson - Operations Tech-ARM QC

Date Passed: 18-Nov-2019

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

P12626 / 5
P12630
7/5/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	11705400	99%	201.6 µg/mL	+/- 3.4204
2	Dichlorprop methyl ester	57153-17-0	11672100	99%	201.4 µg/mL	+/- 3.4170
3	2,4-D methyl ester	1928-38-7	10048000	99%	201.2 µg/mL	+/- 3.4136
4	2,4,5-TP (silvex) methyl ester	4841-20-7	6364900	99%	201.2 µg/mL	+/- 3.4136
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	200.7 µg/mL	+/- 3.4052
6	Dinoseb methyl ether	6099-79-2	12914300	99%	200.8 µg/mL	+/- 3.4068
7	2,4-DB methyl ester	18625-12-2	12542000	99%	201.0 µg/mL	+/- 3.4102

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

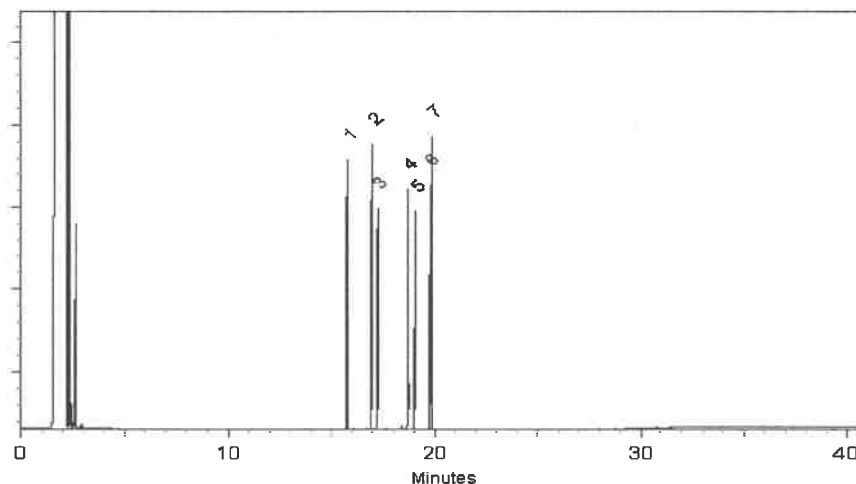
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Penelope Riglin - Operations Tech I

Date Mixed: 09-Dec-2022

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 12-Dec-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

P 12685 / (S)
P 12689
RAU= 7/24/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCCP (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:

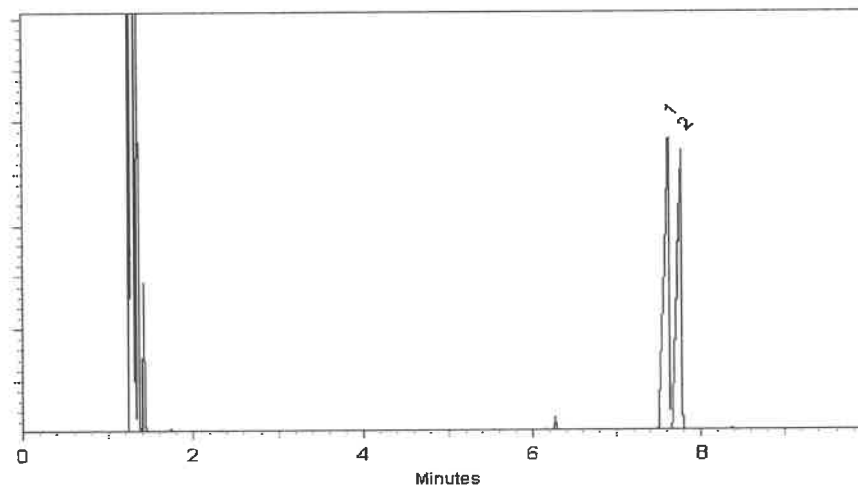
FID

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
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P12715
/ (10)
/ 1
/ 8/15/23

ISO 17034

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Lot Number: 0006752480

Product Number: HBM-8151M-1

Lot Issue Date: 18-Jul-2023

Storage Conditions: Store at Room Temperature (15° to 30°C).

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.

**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.

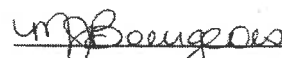
Expiration of Certification:

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

P 12706 / (10)
↓
P 12715
✓ RAUF
8.15.23



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3 ±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019 ±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011 ±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4 ±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13520
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P13536 } (18)

BACF
9/4/2024

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3 ±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019 ±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011 ±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4 ±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13520
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P13536
18
BACF
9/4/2024

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.

Page: 1 of 2

CSD-QA-015.2

250 Smith Street North Kingstown, Rhode Island 02852

P13520
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P13536
18
BACF
9/4/2024

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ISO 17025
Cert No. AT-1937



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** 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.)

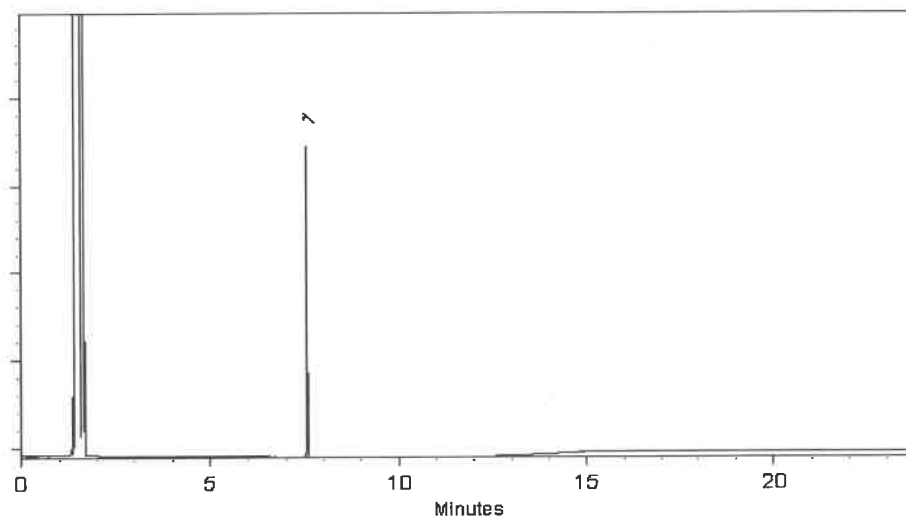
Inj. Temp:
250°C

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



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



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
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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.)

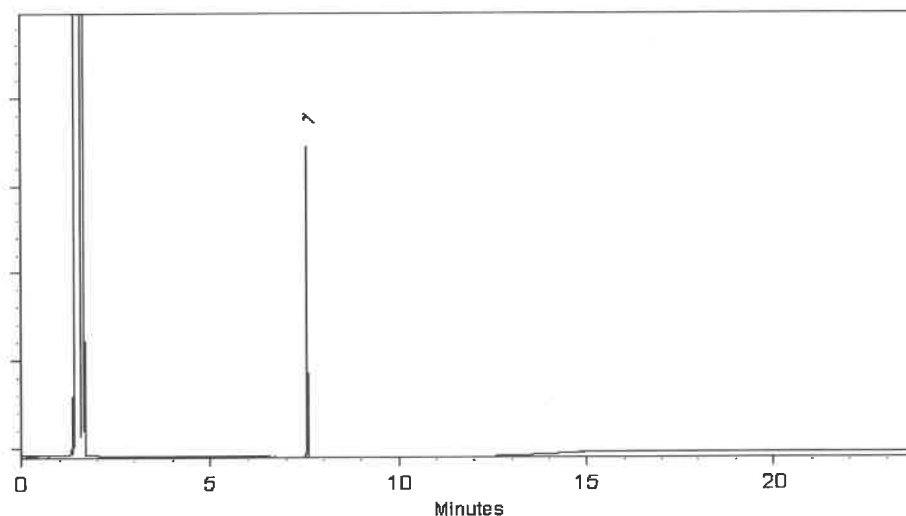
Inj. Temp:
250°C

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



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



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.)

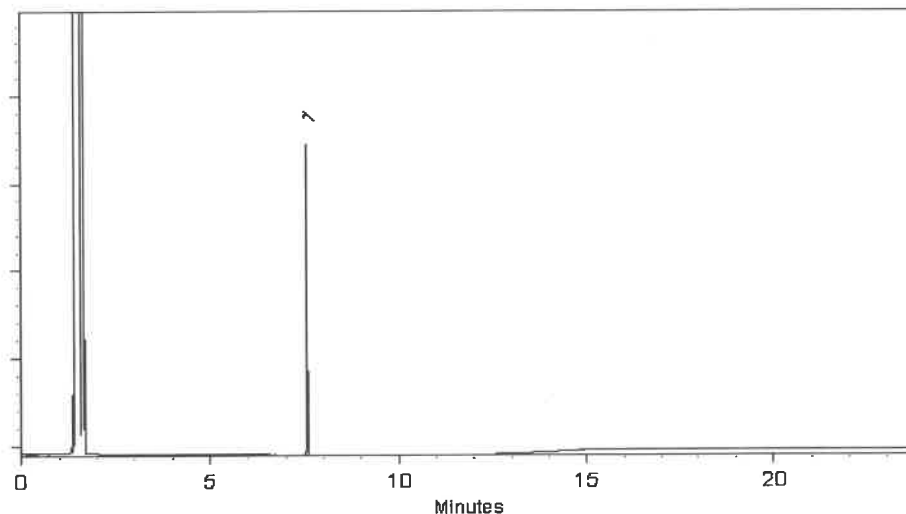
Inj. Temp:
250°C

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



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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. : 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.

Received by
SG on 8/16/19
P8828
P8826

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)

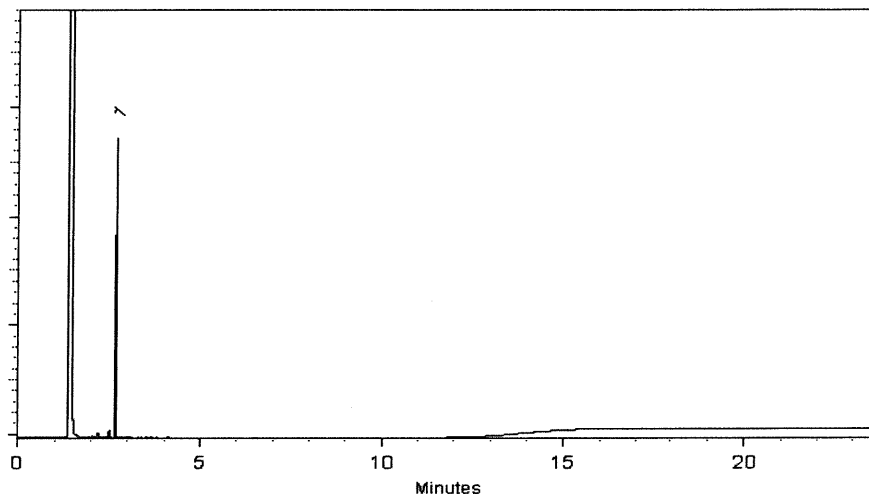
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

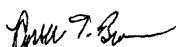
Inj. Temp:
250°C

Det. Temp:
330°C

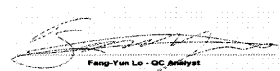
Det. Type:
FID



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


Feng-Yin Lo - QC Analyst

Date Passed: 15-Apr-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



SHIPPING DOCUMENTS

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Chemtech

Phone: (908) 789-8900

Fax: (908) 789-8922

284 Sheffield Street, Mountainside, NJ 07092

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: C. Odell

http://www.contestlabs.com

CHAIN OF CUSTODY

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page 1 of 1

Requested Turnaround Time		Dissolved Metals Samples		ANALYSIS REQUESTED												Preservation Code					
5-Day ☐	10-Day ☒	☐ Field Filtered	☐ Lab to Filter	M/O	I	I	I	I	I	I	I	I	I	I	I	2					
PFAS 10-Day (std) ☐	Due Date:	☐ Field Filtered	☐ Lab to Filter																		
Push-Approval Required		Orthophosphate Samples														Total Number Of:					
1-Day ☐	3-Day ☐	☐ Field Filtered	☐ Lab to Filter													VIALS _____					
2-Day ☐	4-Day ☐	☐ Field Filtered	☐ Lab to Filter													GLASS _____					
Format: PDF ☒ EXCEL ☒		PCB ONLY														PLASTIC _____					
Other:		SOXHLET ☒														BACTERIA _____					
CLP Like Data Pkg Required: ☐ No		NON SOXHLET ☐														ENCORE _____					
Email To: aroy@nobis-group.com																Glassware in the fridge? Y / N					
Fax To #:																Glassware in freezer? Y / N					
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	
	OU4-PCS-TC-33-050725	5/7/25	0950	G	S		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-34-050725	5/7/25	1000	G	S		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-35-050725	5/7/25	1015	G	S		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-24-050725	5/7/25	1130	G	S		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-25-050725	5/7/25	1135	G	S		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-26-050725	5/7/25	1140	G	S		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-27-050725	5/7/25	1145	G	S		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-28-050725	5/7/25	1150	G	S		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TB01-050725	5/7/25	0800				3					X									
Relinquished by: (signature)	Date/Time:	Client Comments:																			
Received by: (signature)	Date/Time:																				
Relinquished by: (signature)	Date/Time:																				
Received by: (signature)	Date/Time:																				
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Received by: (signature)	Date/Time:																				
Relinquished by: (signature)	Date/Time:																				
Received by: (signature)	Date/Time:																				
Lab Comments:	1.9c Adjust Factor +1 IL (see #1) Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.																				

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

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1984	NOBI03	Order Date : 5/8/2025 10:48:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 5/8/2025 9:50:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1984-01	OU4-PCS-TC-33-050725	Solid	05/07/2025	09:50					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-03	OU4-PCS-TC-34-050725	Solid	05/07/2025	10:00					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-05	OU4-PCS-TC-35-050725	Solid	05/07/2025	10:15					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-07	OU4-TS-24-050725	Solid	05/07/2025	11:30					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-09	OU4-TS-25-050725	Solid	05/07/2025	11:35					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-11	OU4-TS-26-050725	Solid	05/07/2025	11:40					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-13	OU4-TS-27-050725	Solid	05/07/2025	11:45					
					VOCMS Group3		8260D	10 Bus. Days	
Q1984-15	OU4-TS-28-050725	Solid	05/07/2025	11:50					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1984	NOBI03	Order Date : 5/8/2025 10:48:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 5/8/2025 9:50:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1984-19	OU4-TB01-050725	Water	05/07/2025	08:00	VOCMS Group3		8260D		10 Bus. Days
					VOCMS Group3		8260 Low 8260D		10 Bus. Days

Relinquished By :

Date / Time : 5/8/25 1150

Received By :

Date / Time : 5/8/25 1150

Storage Area : VOA Refridgerator Room

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030125.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 12:30
 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: May 12 13:50:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.934	7.454	708.2E6	184.6E6	233.150	221.866
Target Compounds							
1) T	Dalapon	2.446	2.520	1161.8E6	445.3E6	230.933	208.837
2) T	3,5-DICHL...	6.138	6.453	948.7E6	240.0E6	214.407	195.017
3) T	4-Nitroph...	6.725	6.989	439.9E6	195.9E6	203.363	173.219
5) T	DICAMBA	7.109	7.639	2568.3E6	946.6E6	211.650	199.141
6) T	MCPD	7.286	7.744	110.4E6	32616416	14.656	18.070
7) T	MCPA	7.428	7.974	200.2E6	49441444	19.272	18.610
8) T	DICHLORPROP	7.789	8.332	681.8E6	261.1E6	219.198	211.296
9) T	2,4-D	8.011	8.644	761.2E6	278.4E6	218.443	207.780
10) T	Pentachlo...	8.286	9.144	9450.6E6	5262.3E6	215.768	204.481
11) T	2,4,5-TP ...	8.850	9.522	3671.0E6	2073.6E6	214.913	204.100
12) T	2,4,5-T	9.133	9.927	3763.2E6	1952.2E6	215.342	205.137
13) T	2,4-DB	9.691	10.485	536.3E6	241.1E6	202.273	228.178
14) T	DINOSEB	10.850	10.858	2592.3E6	1452.1E6	214.384	205.126
15) T	Picloram	10.672	11.892	4602.8E6	5879.3E6	207.830	410.978 #
16) T	DCPA	11.152	11.892	4589.7E6	5879.3E6	217.427	405.304 #

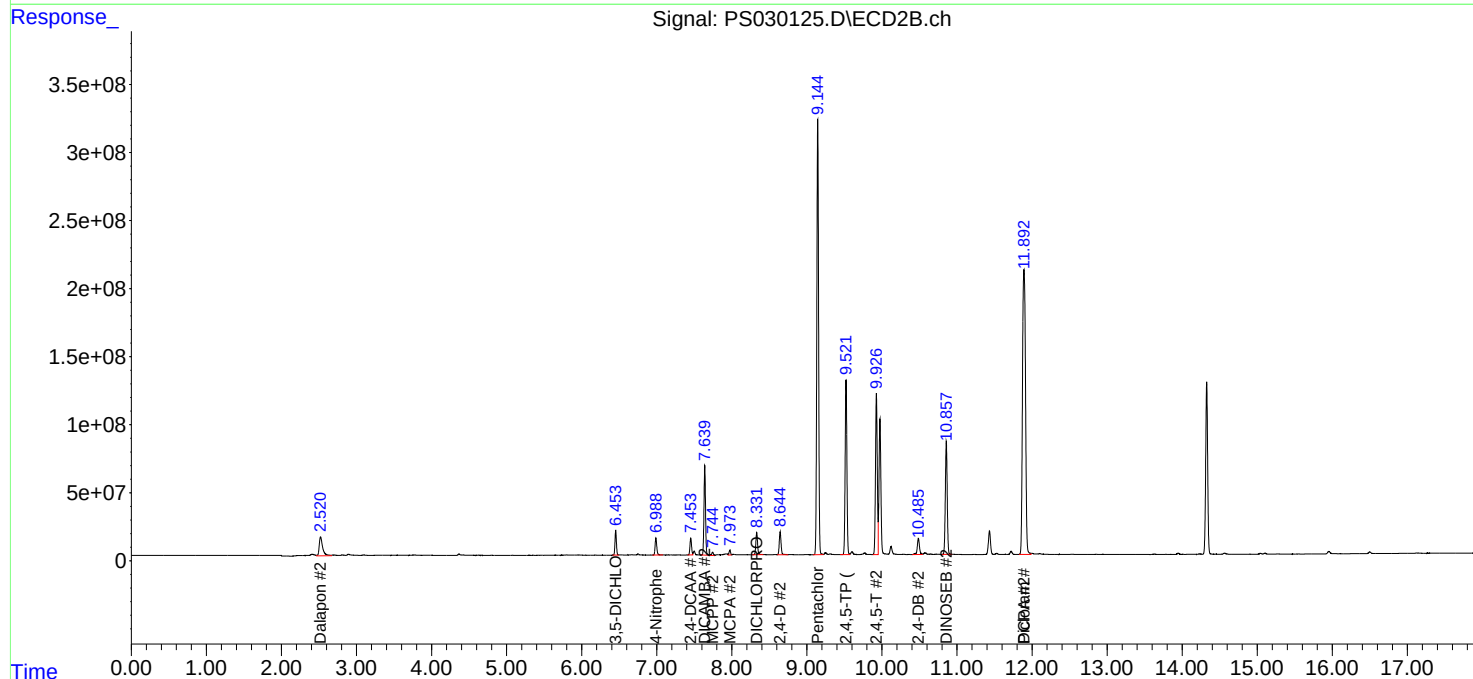
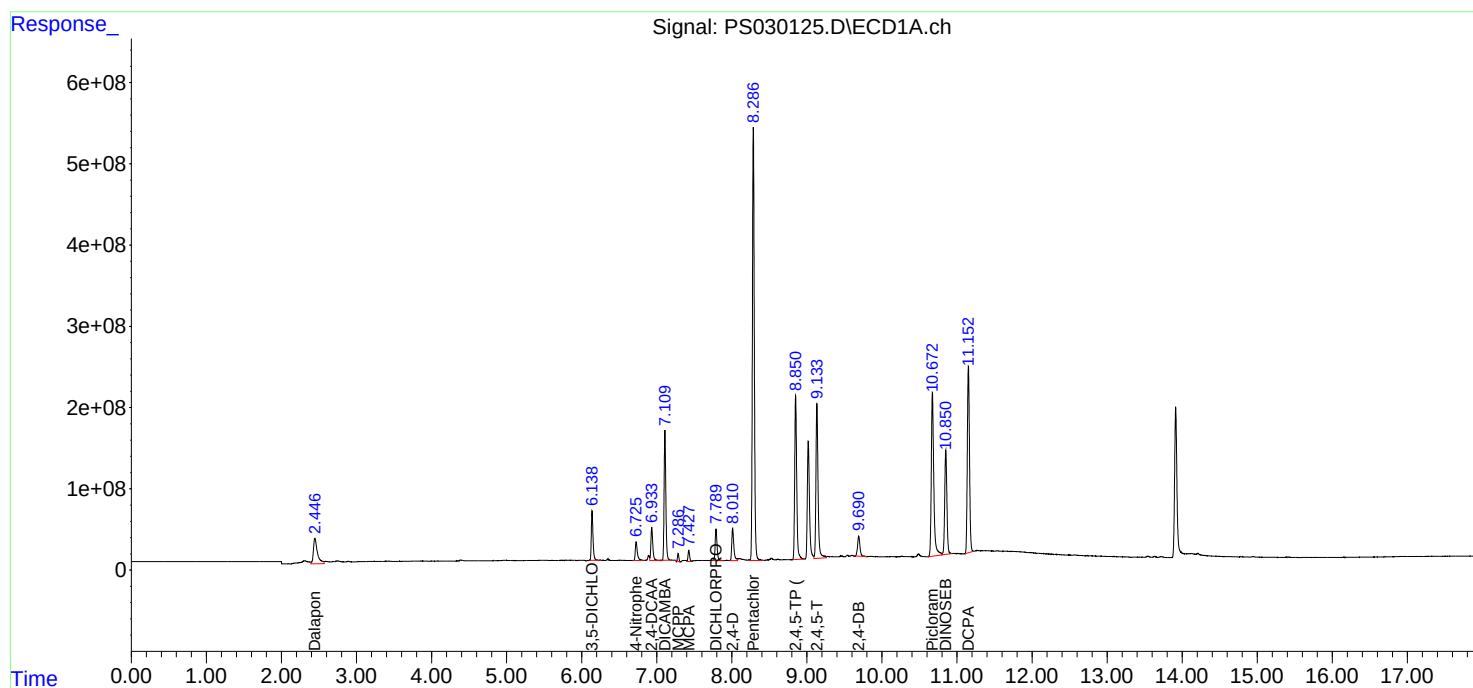
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

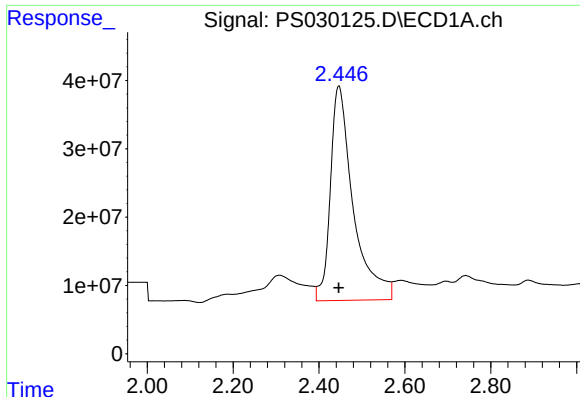
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:30
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:50:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

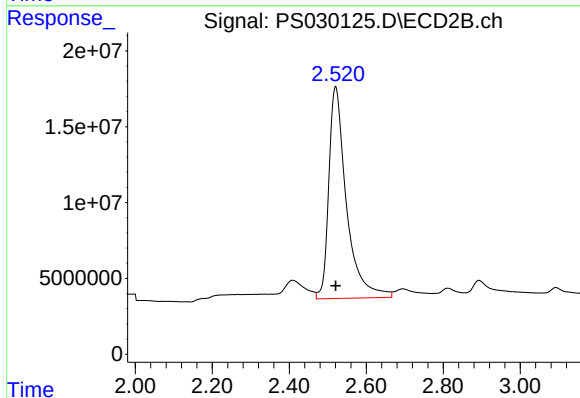




#1 Dalapon

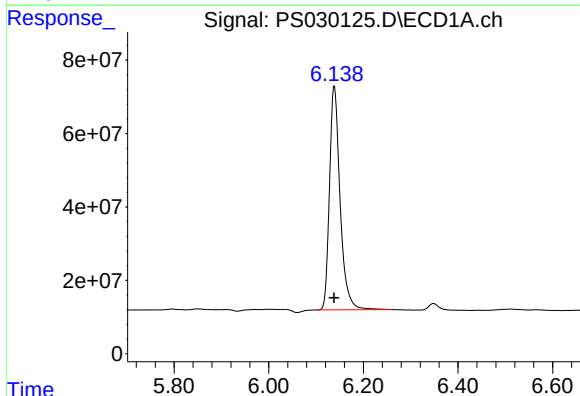
R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 1161770899
Conc: 230.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



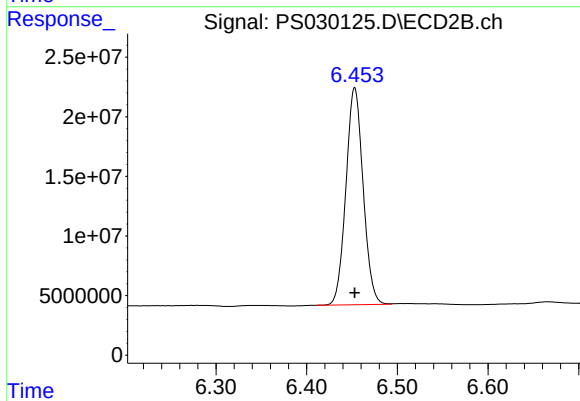
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 445283422
Conc: 208.84 ng/ml



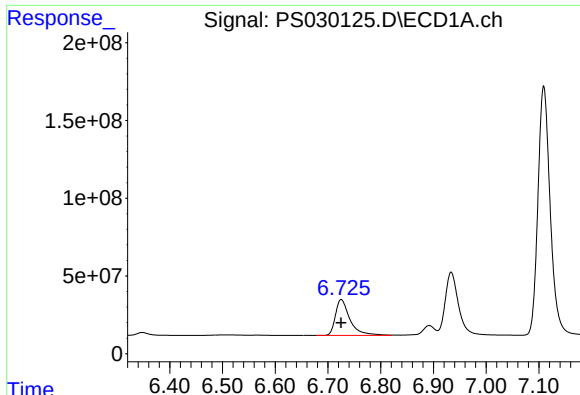
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 948711523
Conc: 214.41 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

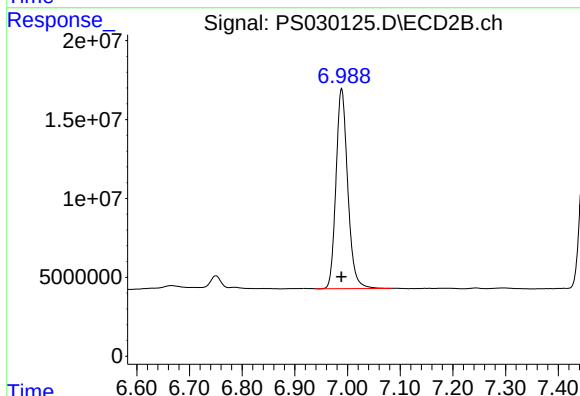
R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 239960874
Conc: 195.02 ng/ml



#3 4-Nitrophenol

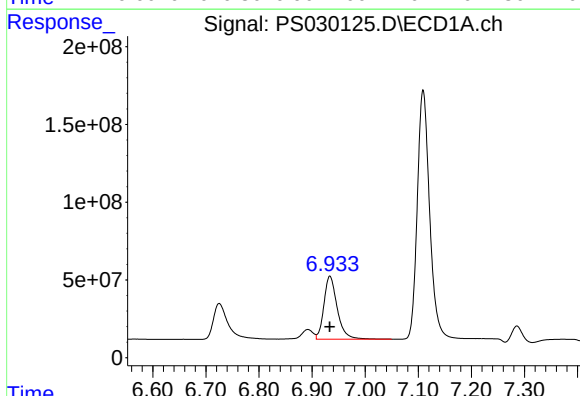
R.T.: 6.725 min
Delta R.T.: 0.000 min
Response: 439868088
Conc: 203.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



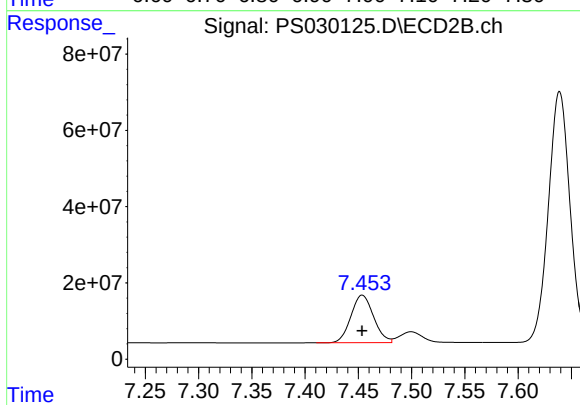
#3 4-Nitrophenol

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 195923722
Conc: 173.22 ng/ml



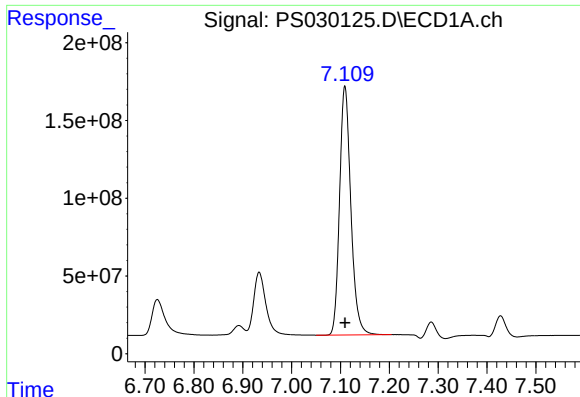
#4 2,4-DCAA

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 708167938
Conc: 233.15 ng/ml



#4 2,4-DCAA

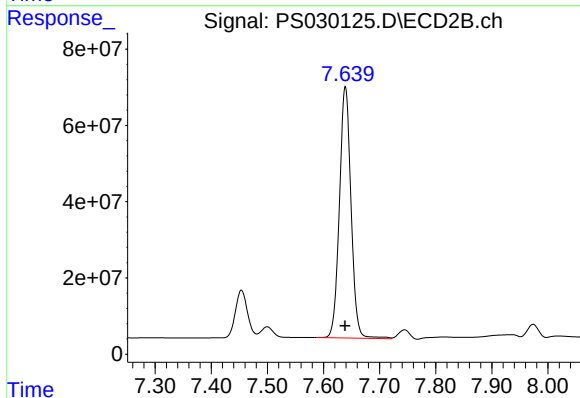
R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 184576925
Conc: 221.87 ng/ml



#5 DICAMBA

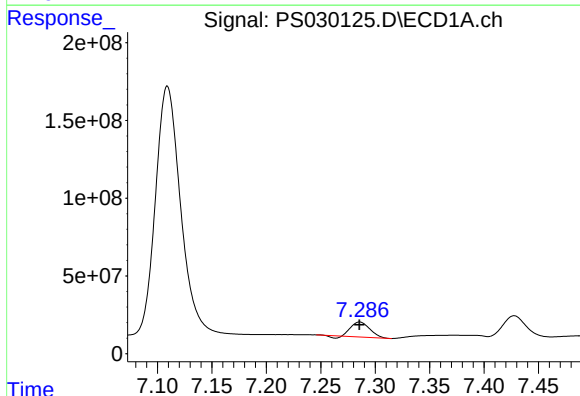
R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 2568258061
Conc: 211.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



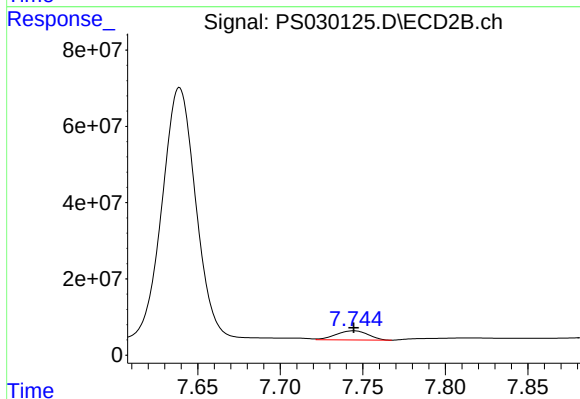
#5 DICAMBA

R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 946570684
Conc: 199.14 ng/ml



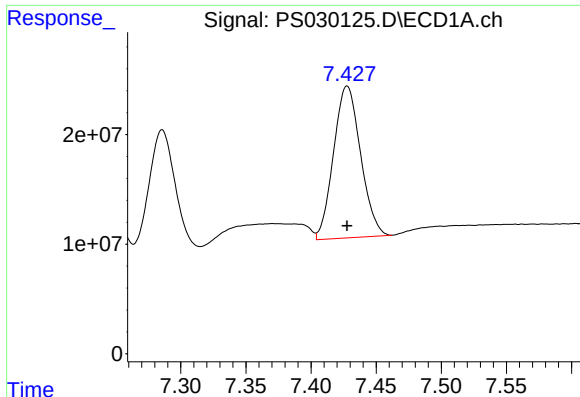
#6 MCP

R.T.: 7.286 min
Delta R.T.: 0.000 min
Response: 110444124
Conc: 14.66 ug/ml



#6 MCP

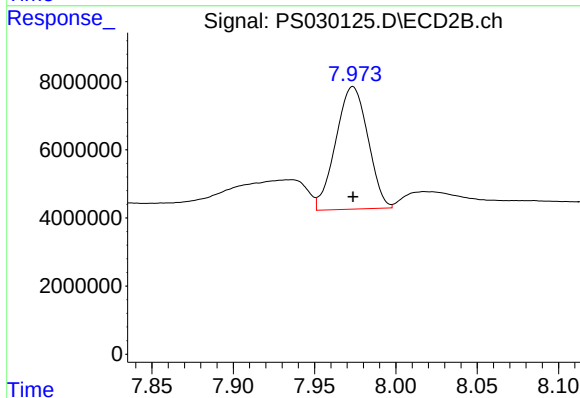
R.T.: 7.744 min
Delta R.T.: 0.000 min
Response: 32616416
Conc: 18.07 ug/ml



#7 MCPA

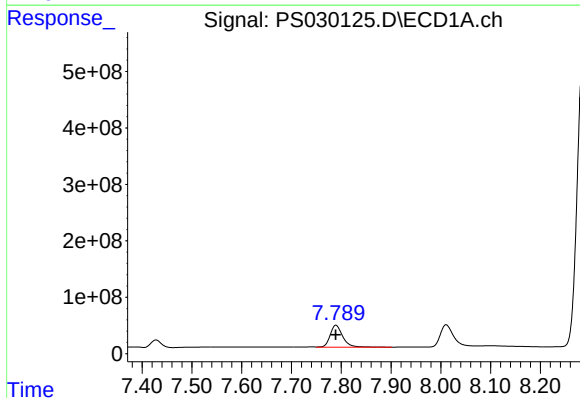
R.T.: 7.428 min
Delta R.T.: 0.000 min
Response: 200215654
Conc: 19.27 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



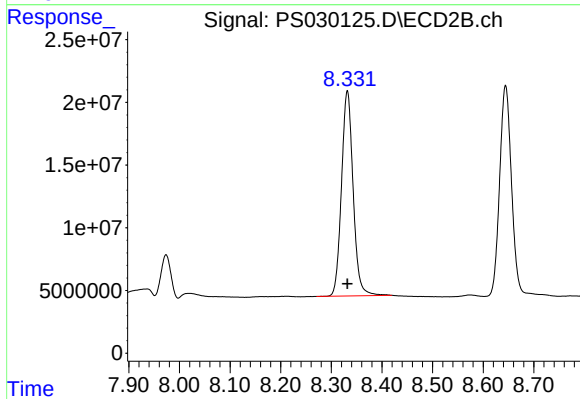
#7 MCPA

R.T.: 7.974 min
Delta R.T.: 0.000 min
Response: 49441444
Conc: 18.61 ug/ml



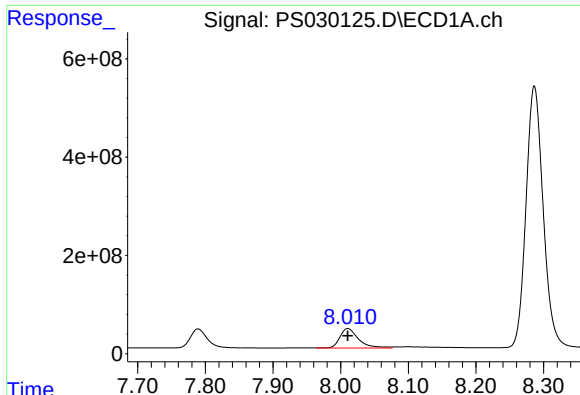
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 681813702
Conc: 219.20 ng/ml



#8 DICHLORPROP

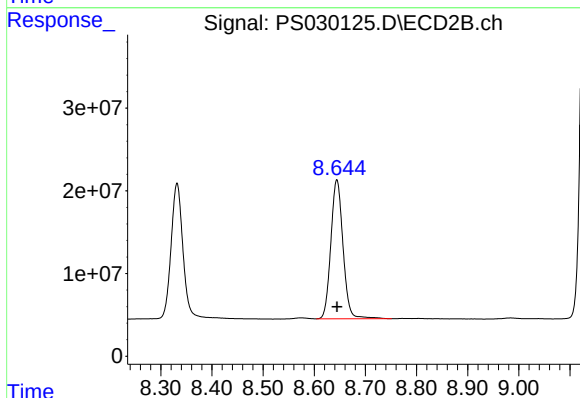
R.T.: 8.332 min
Delta R.T.: 0.000 min
Response: 261118943
Conc: 211.30 ng/ml



#9 2,4-D

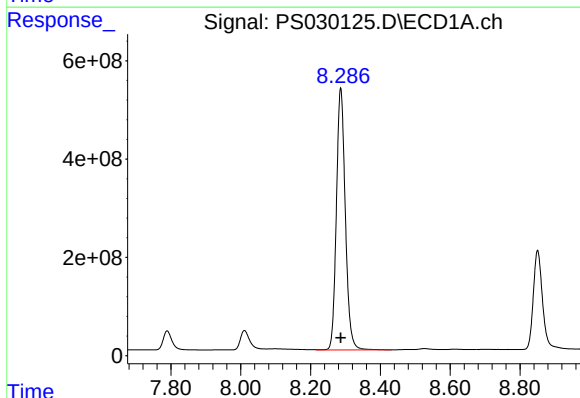
R.T.: 8.011 min
Delta R.T.: 0.000 min
Response: 761187960
Conc: 218.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



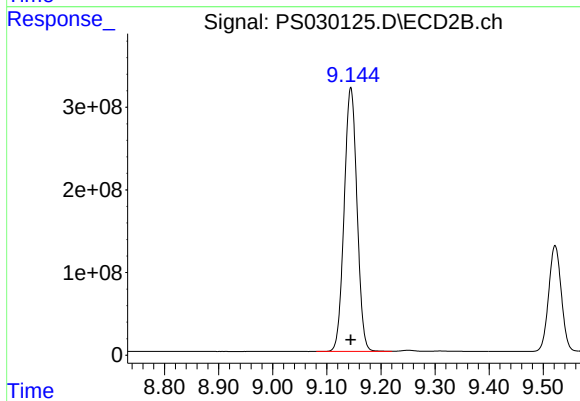
#9 2,4-D

R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 278368019
Conc: 207.78 ng/ml



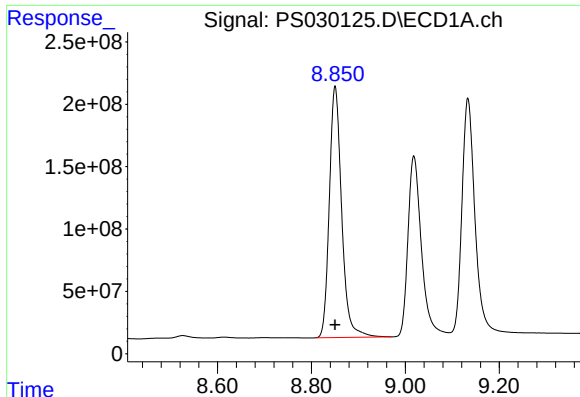
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: 0.000 min
Response: 9450557970
Conc: 215.77 ng/ml



#10 Pentachlorophenol

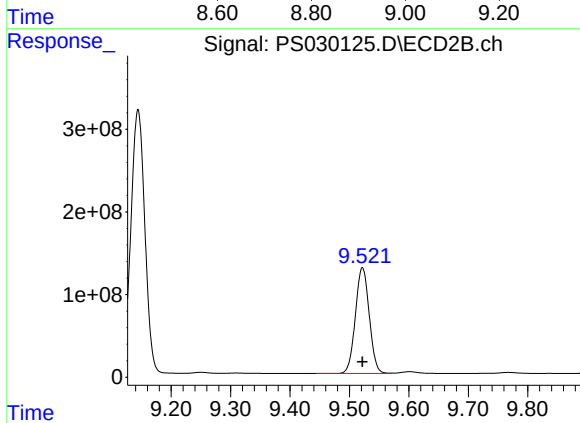
R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 5262318944
Conc: 204.48 ng/ml



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

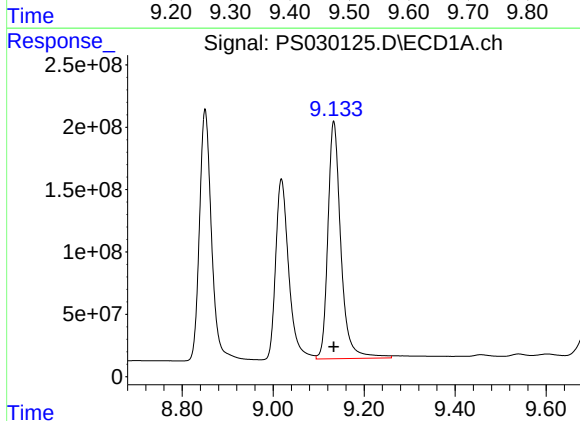
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 3671026985
Conc: 214.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



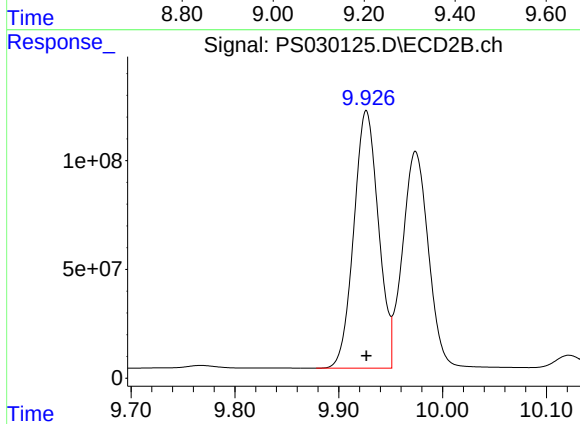
#11 2,4,5-TP (SILVEX)

R.T.: 9.522 min
Delta R.T.: 0.000 min
Response: 2073552958
Conc: 204.10 ng/ml



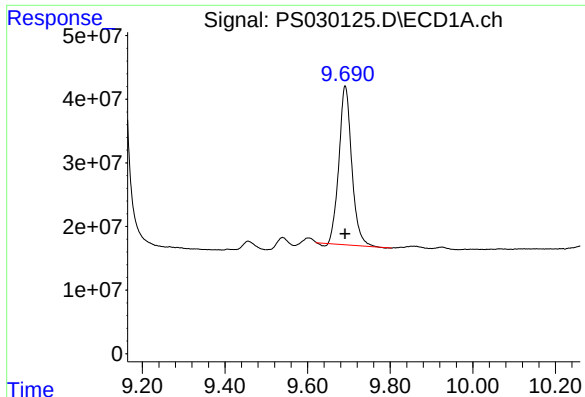
#12 2,4,5-T

R.T.: 9.133 min
Delta R.T.: 0.000 min
Response: 3763208554
Conc: 215.34 ng/ml



#12 2,4,5-T

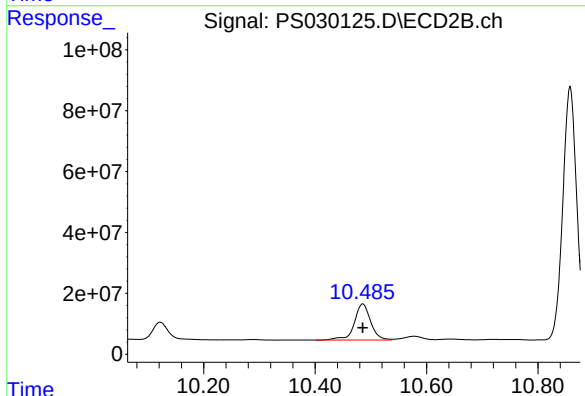
R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 1952195248
Conc: 205.14 ng/ml



#13 2,4-DB

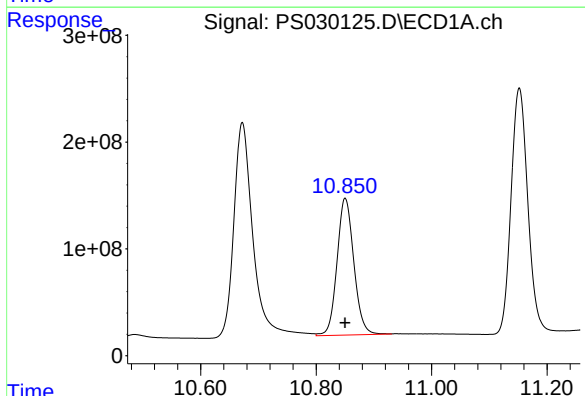
R.T.: 9.691 min
Delta R.T.: 0.000 min
Response: 536297421
Conc: 202.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



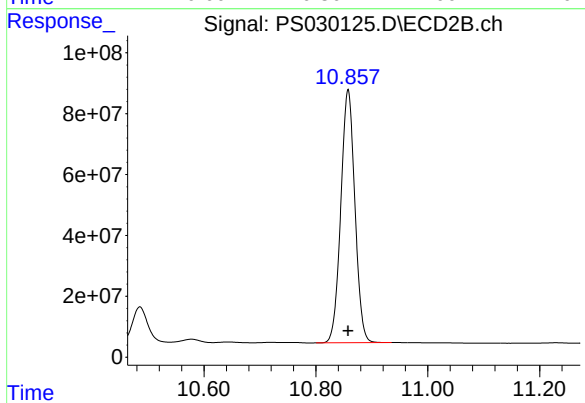
#13 2,4-DB

R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 241096730
Conc: 228.18 ng/ml



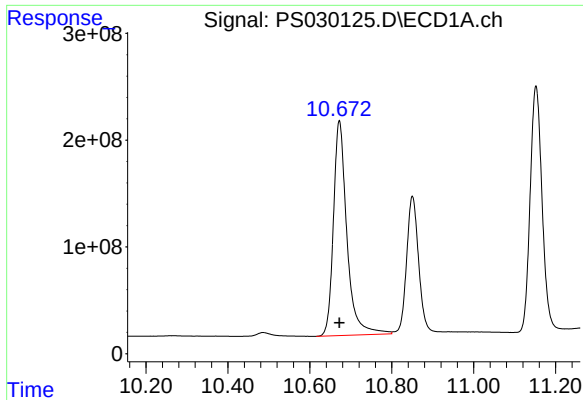
#14 DINOSEB

R.T.: 10.850 min
Delta R.T.: 0.000 min
Response: 2592253228
Conc: 214.38 ng/ml



#14 DINOSEB

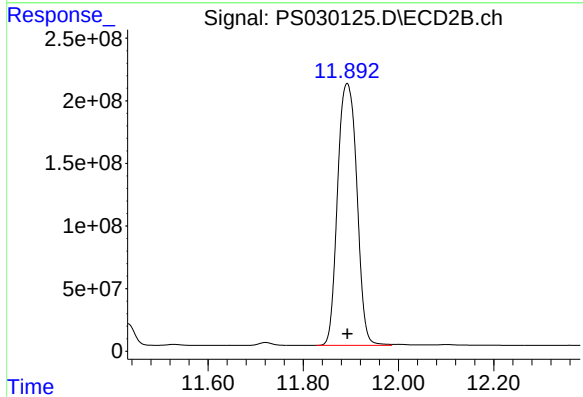
R.T.: 10.858 min
Delta R.T.: 0.000 min
Response: 1452088878
Conc: 205.13 ng/ml



#15 Picloram

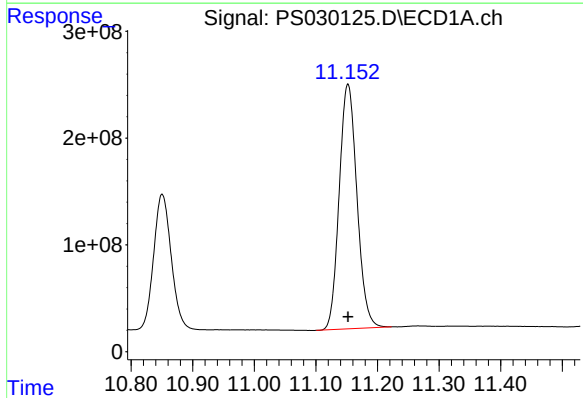
R.T.: 10.672 min
Delta R.T.: 0.000 min
Response: 4602798865
Conc: 207.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



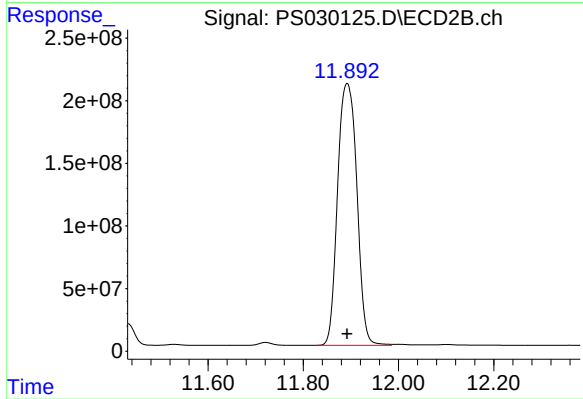
#15 Picloram

R.T.: 11.892 min
Delta R.T.: 0.000 min
Response: 5879301193
Conc: 410.98 ng/ml



#16 DCPA

R.T.: 11.152 min
Delta R.T.: 0.000 min
Response: 4589689345
Conc: 217.43 ng/ml



#16 DCPA

R.T.: 11.892 min
Delta R.T.: 0.000 min
Response: 5879301193
Conc: 405.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030126.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 12:54
 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: May 12 13:47:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.454	1434.4E6	399.7E6	514.926	508.243
Target Compounds							
1) T	Dalapon	2.447	2.520	2243.7E6	920.5E6	471.266	466.069
2) T	3,5-DICHL...	6.138	6.453	1954.7E6	604.8E6	478.289	503.770
3) T	4-Nitroph...	6.724	6.988	957.1E6	626.7E6	470.076	541.042
5) T	DICAMBA	7.109	7.639	5452.8E6	2196.7E6	479.532	471.133
6) T	MCPD	7.287	7.746	351.0E6	83878837	46.529	45.584
7) T	MCPA	7.429	7.975	474.0E6	124.4E6	46.459	46.843
8) T	DICHLORPROP	7.789	8.332	1377.7E6	553.4E6	483.005	477.421
9) T	2,4-D	8.009	8.645	1547.2E6	606.5E6	483.126	477.844
10) T	Pentachlo...	8.286	9.145	19907.6E6	11940.1E6	487.580	482.342
11) T	2,4,5-TP ...	8.851	9.523	7744.1E6	4687.3E6	485.171	479.149
12) T	2,4,5-T	9.132	9.927	7931.4E6	4385.5E6	486.289	479.945
13) T	2,4-DB	9.690	10.485	1219.4E6	452.4E6	475.256	475.987
14) T	DINOSEB	10.851	10.859	5403.8E6	3216.0E6	480.627	475.978
15) T	Picloram	10.672	11.894	10147.5E6	13978.8E6	480.746	1011.923 #
16) T	DCPA	11.152	11.894	9696.2E6	13978.8E6	491.912	962.982 #

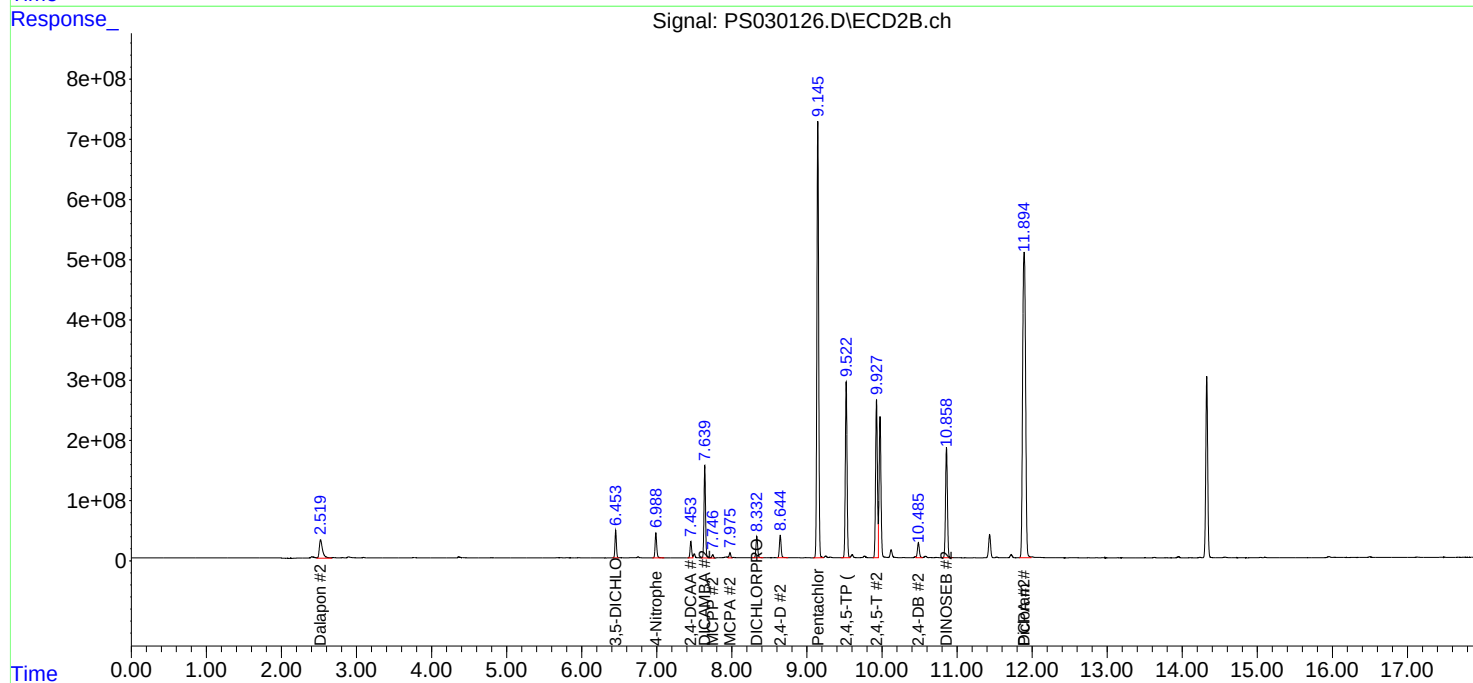
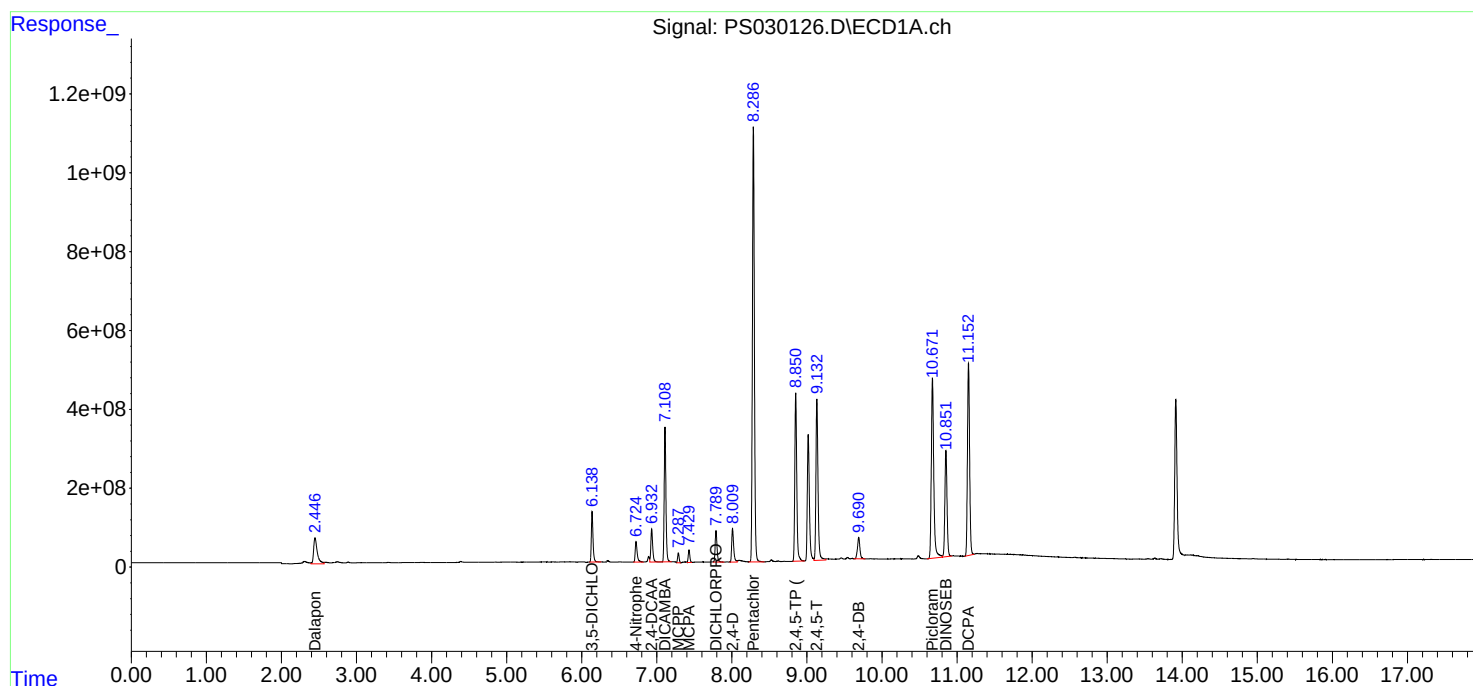
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

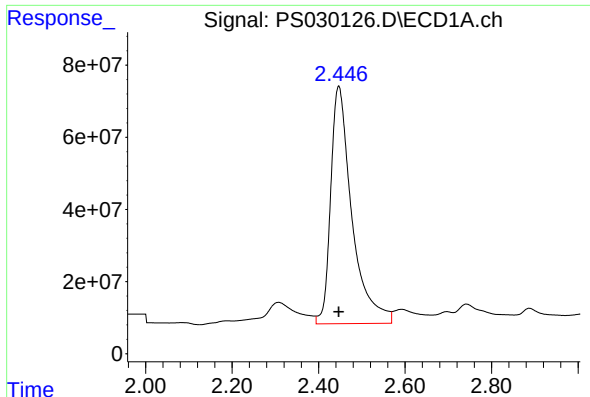
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:54
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:47:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

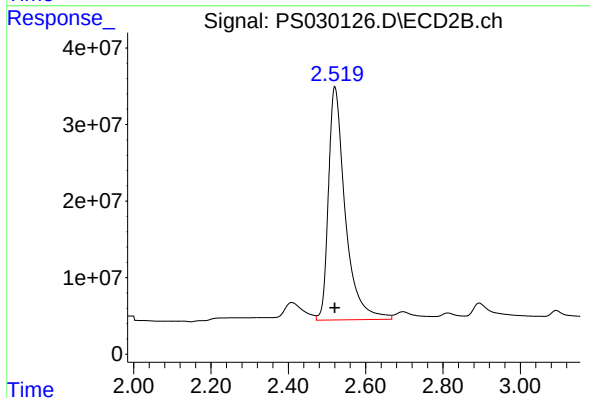




#1 Dalapon

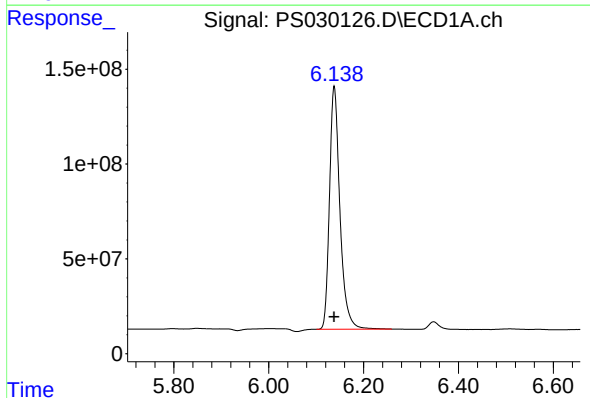
R.T.: 2.447 min
Delta R.T.: 0.000 min
Response: 2243654345
Conc: 471.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



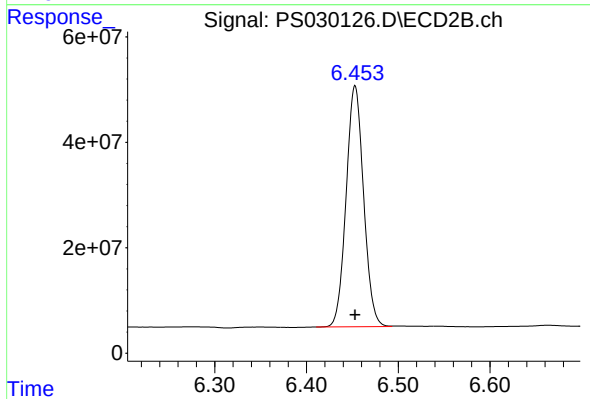
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 920491091
Conc: 466.07 ng/ml



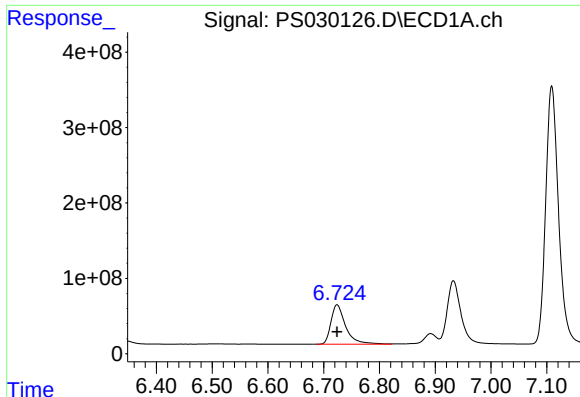
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 1954727643
Conc: 478.29 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

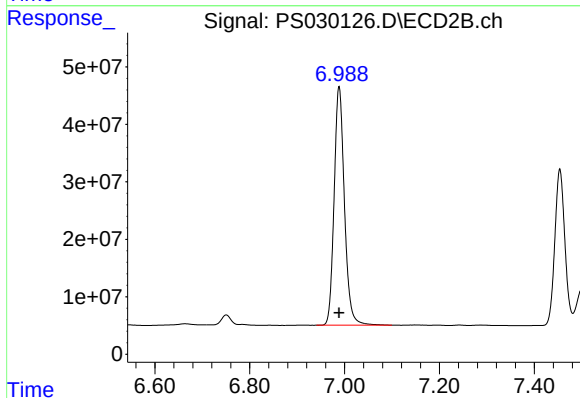
R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 604844271
Conc: 503.77 ng/ml



#3 4-Nitrophenol

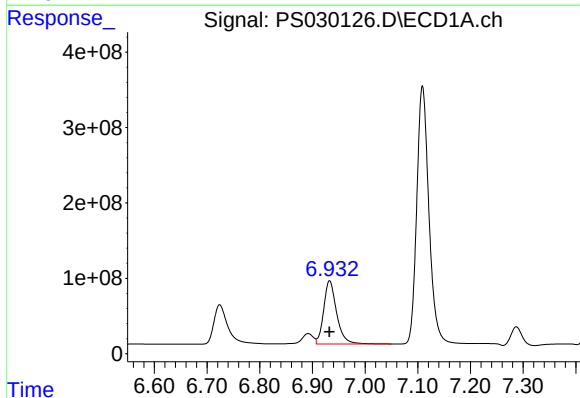
R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 957088316
Conc: 470.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



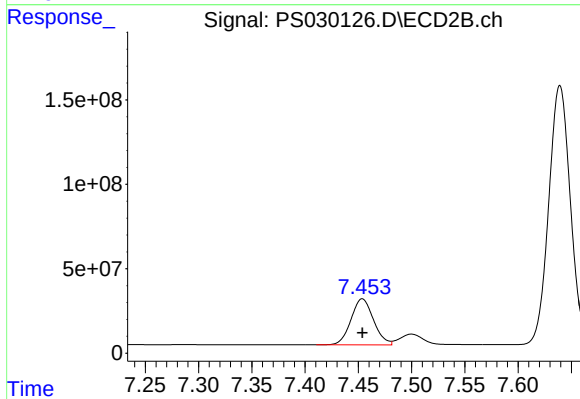
#3 4-Nitrophenol

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 626719930
Conc: 541.04 ng/ml



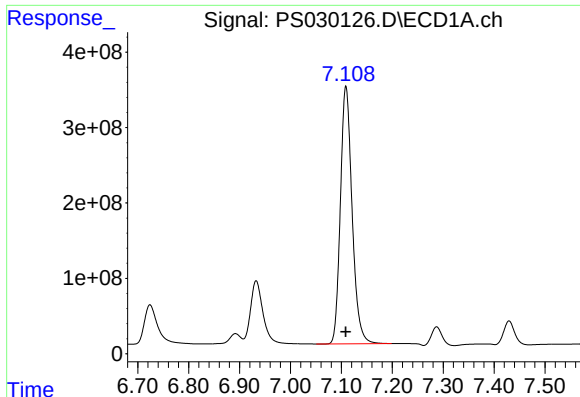
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 1434417471
Conc: 514.93 ng/ml



#4 2,4-DCAA

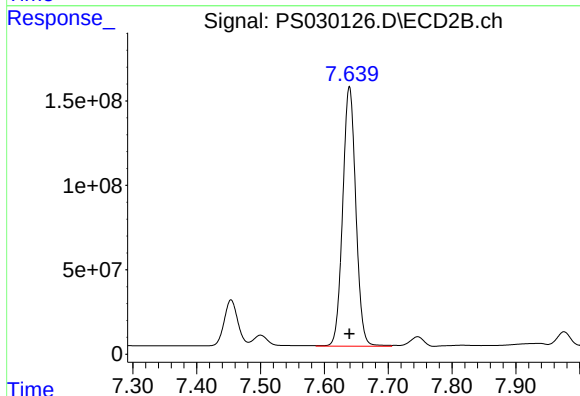
R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 399710090
Conc: 508.24 ng/ml



#5 DICAMBA

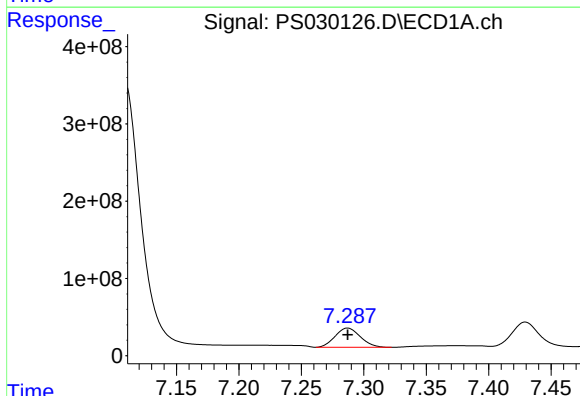
R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 5452849933
Conc: 479.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



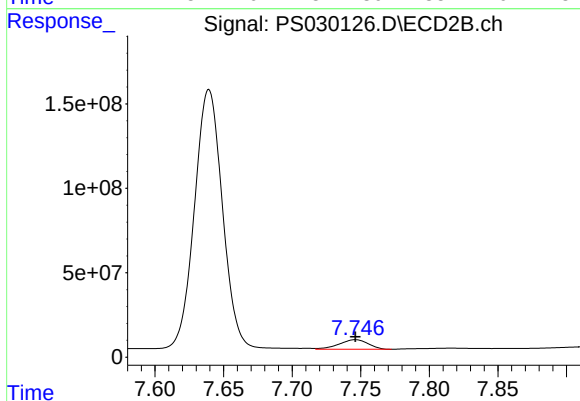
#5 DICAMBA

R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 2196691855
Conc: 471.13 ng/ml



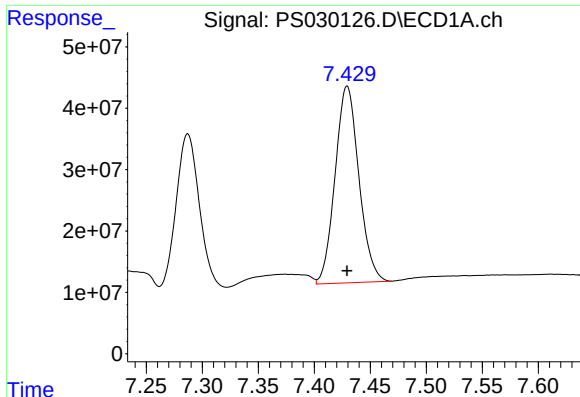
#6 MCP

R.T.: 7.287 min
Delta R.T.: 0.000 min
Response: 351026983
Conc: 46.53 ug/ml



#6 MCP

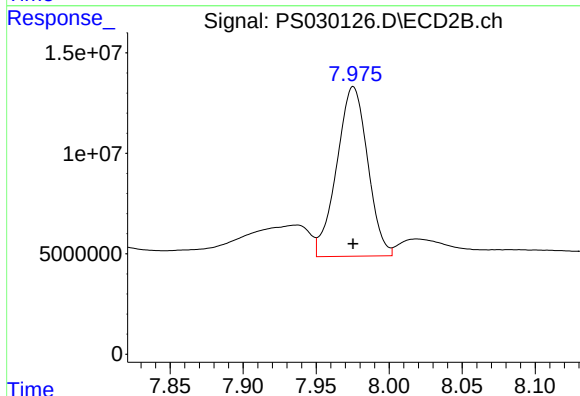
R.T.: 7.746 min
Delta R.T.: 0.000 min
Response: 83878837
Conc: 45.58 ug/ml



#7 MCPA

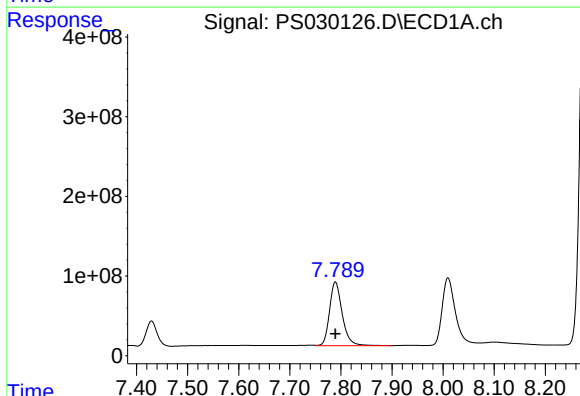
R.T.: 7.429 min
Delta R.T.: 0.000 min
Response: 473956928
Conc: 46.46 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



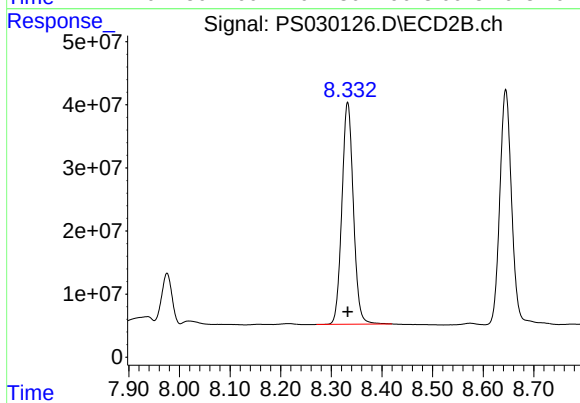
#7 MCPA

R.T.: 7.975 min
Delta R.T.: 0.000 min
Response: 124417835
Conc: 46.84 ug/ml



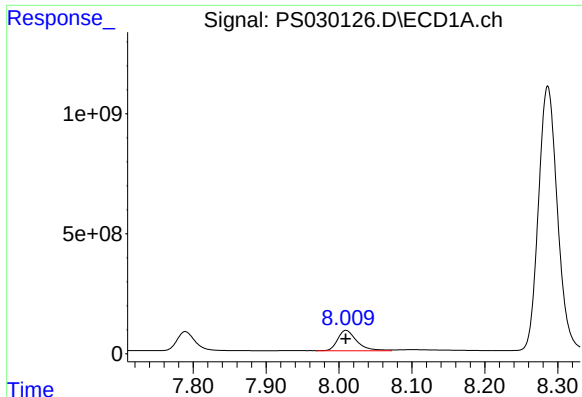
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 1377720801
Conc: 483.00 ng/ml



#8 DICHLORPROP

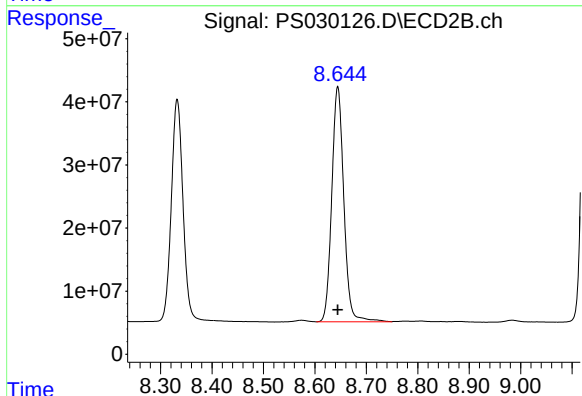
R.T.: 8.332 min
Delta R.T.: 0.000 min
Response: 553438319
Conc: 477.42 ng/ml



#9 2,4-D

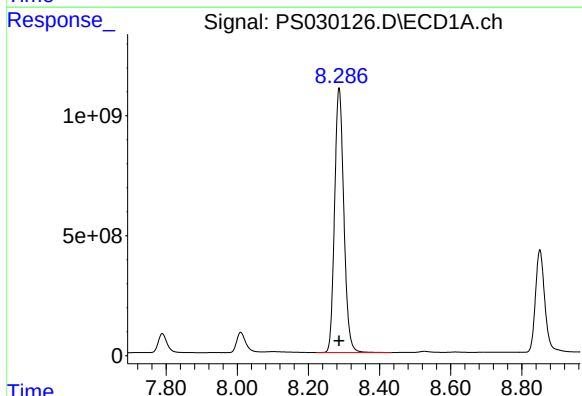
R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 1547196779
Conc: 483.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



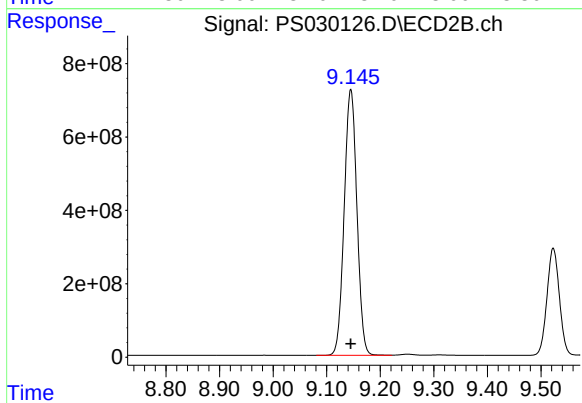
#9 2,4-D

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 606502423
Conc: 477.84 ng/ml



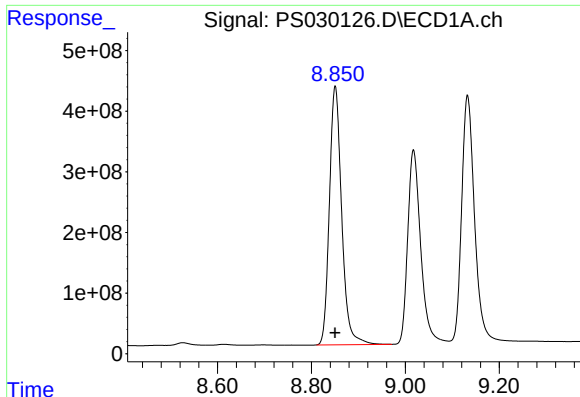
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: 0.000 min
Response: 19907646537
Conc: 487.58 ng/ml



#10 Pentachlorophenol

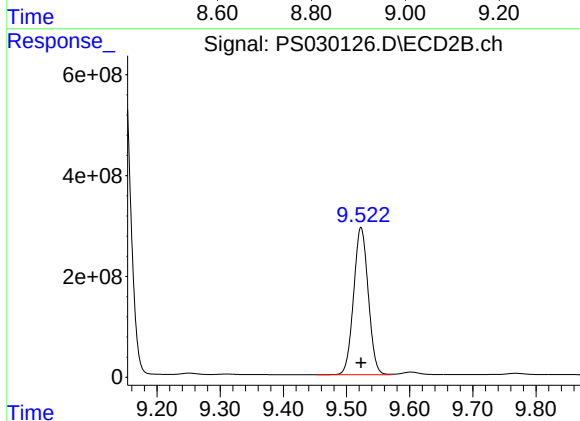
R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 11940068143
Conc: 482.34 ng/ml



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

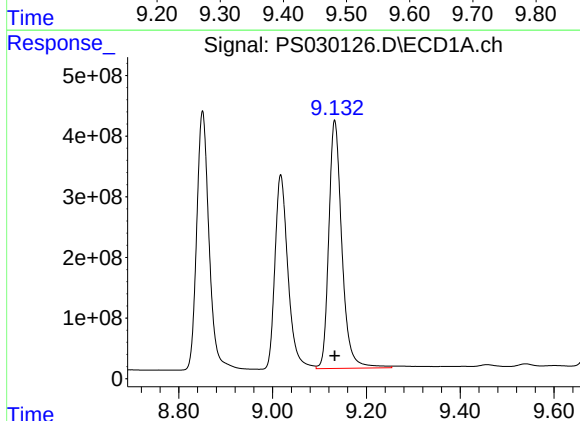
R.T.: 8.851 min
Delta R.T.: 0.000 min
Response: 7744107963
Conc: 485.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



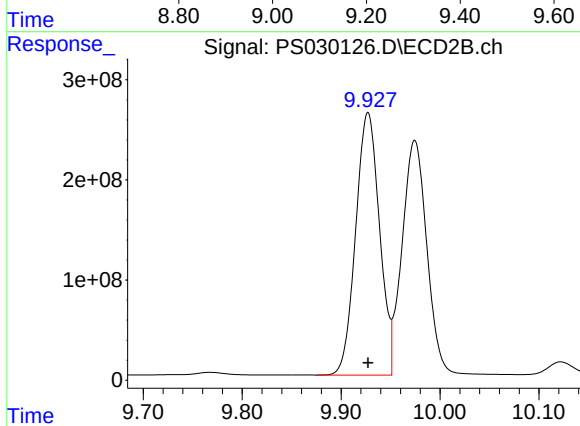
#11 2,4,5-TP (SILVEX)

R.T.: 9.523 min
Delta R.T.: 0.000 min
Response: 4687301936
Conc: 479.15 ng/ml



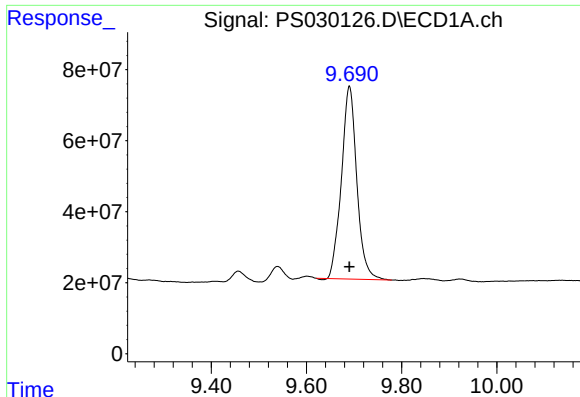
#12 2,4,5-T

R.T.: 9.132 min
Delta R.T.: 0.000 min
Response: 7931375167
Conc: 486.29 ng/ml



#12 2,4,5-T

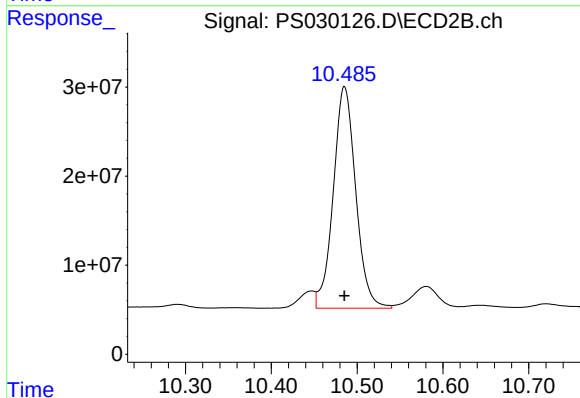
R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 4385469879
Conc: 479.95 ng/ml



#13 2,4-DB

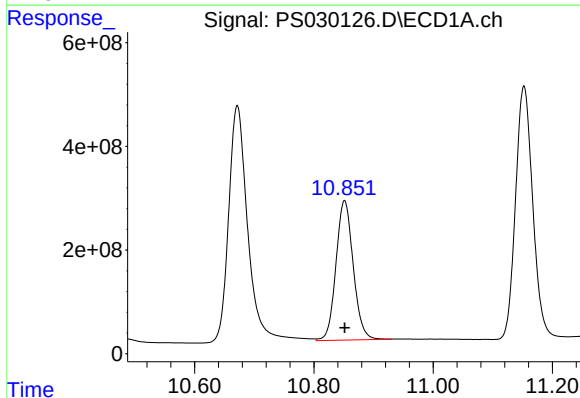
R.T.: 9.690 min
Delta R.T.: 0.000 min
Response: 1219376567
Conc: 475.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



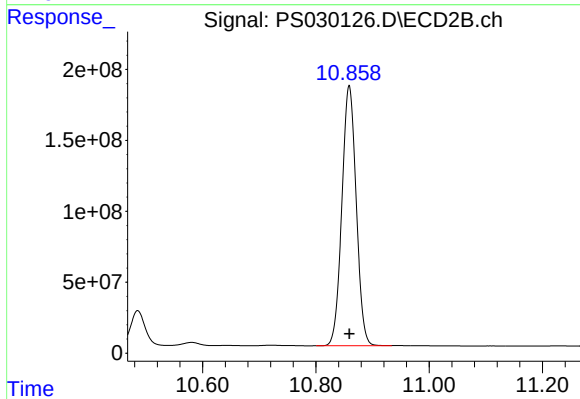
#13 2,4-DB

R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 452406964
Conc: 475.99 ng/ml



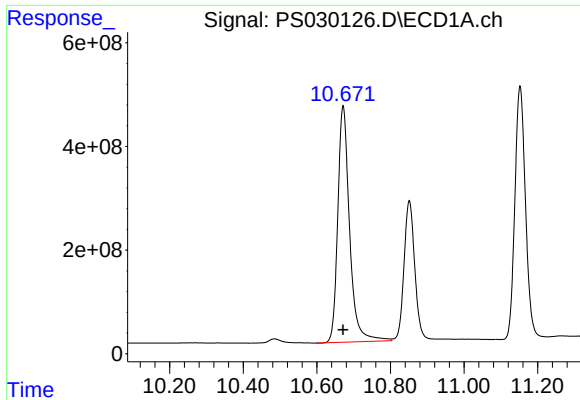
#14 DINOSEB

R.T.: 10.851 min
Delta R.T.: 0.000 min
Response: 5403784475
Conc: 480.63 ng/ml



#14 DINOSEB

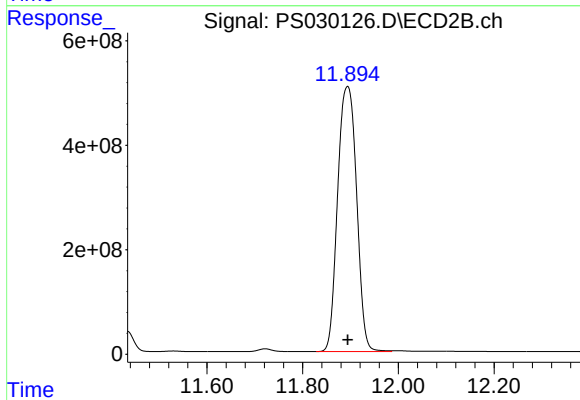
R.T.: 10.859 min
Delta R.T.: 0.000 min
Response: 3215989177
Conc: 475.98 ng/ml



#15 Picloram

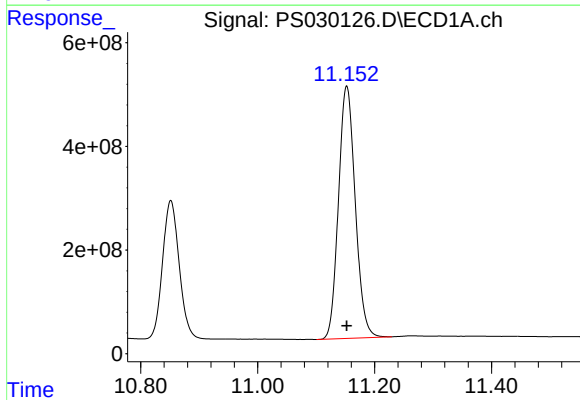
R.T.: 10.672 min
Delta R.T.: 0.000 min
Response: 10147479546
Conc: 480.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



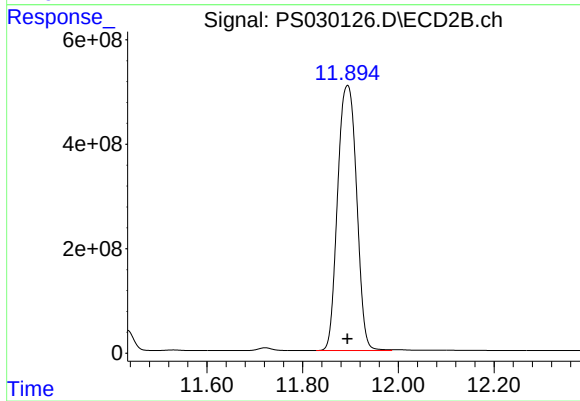
#15 Picloram

R.T.: 11.894 min
Delta R.T.: 0.000 min
Response: 13978751299
Conc: 1011.92 ng/ml



#16 DCPA

R.T.: 11.152 min
Delta R.T.: 0.000 min
Response: 9696227543
Conc: 491.91 ng/ml



#16 DCPA

R.T.: 11.894 min
Delta R.T.: 0.000 min
Response: 13978751299
Conc: 962.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030127.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 13:18
 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: May 12 13:43:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.934	7.454	2026.9E6	580.1E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.446	2.520	3133.2E6	1315.1E6	682.500	682.500
2) T	3,5-DICHL...	6.138	6.453	2769.2E6	767.6E6	697.500	697.500
3) T	4-Nitroph...	6.724	6.988	1343.5E6	641.1E6	682.500	682.500
5) T	DICAMBA	7.110	7.639	7854.1E6	3279.2E6	705.000	705.000
6) T	MCPD	7.289	7.747	537.2E6	133.6E6	70.500	70.500
7) T	MCPA	7.431	7.977	712.2E6	183.9E6	69.750	69.750
8) T	DICHLORPROP	7.789	8.332	1955.3E6	804.4E6	705.000	705.000
9) T	2,4-D	8.010	8.644	2194.7E6	879.9E6	705.000	705.000
10) T	Pentachlo...	8.287	9.145	28320.5E6	17364.8E6	712.500	712.500
11) T	2,4,5-TP ...	8.850	9.523	11129.1E6	6909.2E6	712.500	712.500
12) T	2,4,5-T	9.133	9.926	11344.7E6	6442.6E6	712.500	712.500
13) T	2,4-DB	9.689	10.485	1827.1E6	675.8E6	712.500	712.500
14) T	DINOSEB	10.851	10.858	7747.2E6	4702.8E6	705.000	705.000
15) T	Picloram	10.670	11.893	14857.3E6	20450.6E6	712.500	1529.780 #
16) T	DCPA	11.153	11.893	13839.9E6	20450.6E6	720.000	1487.095 #

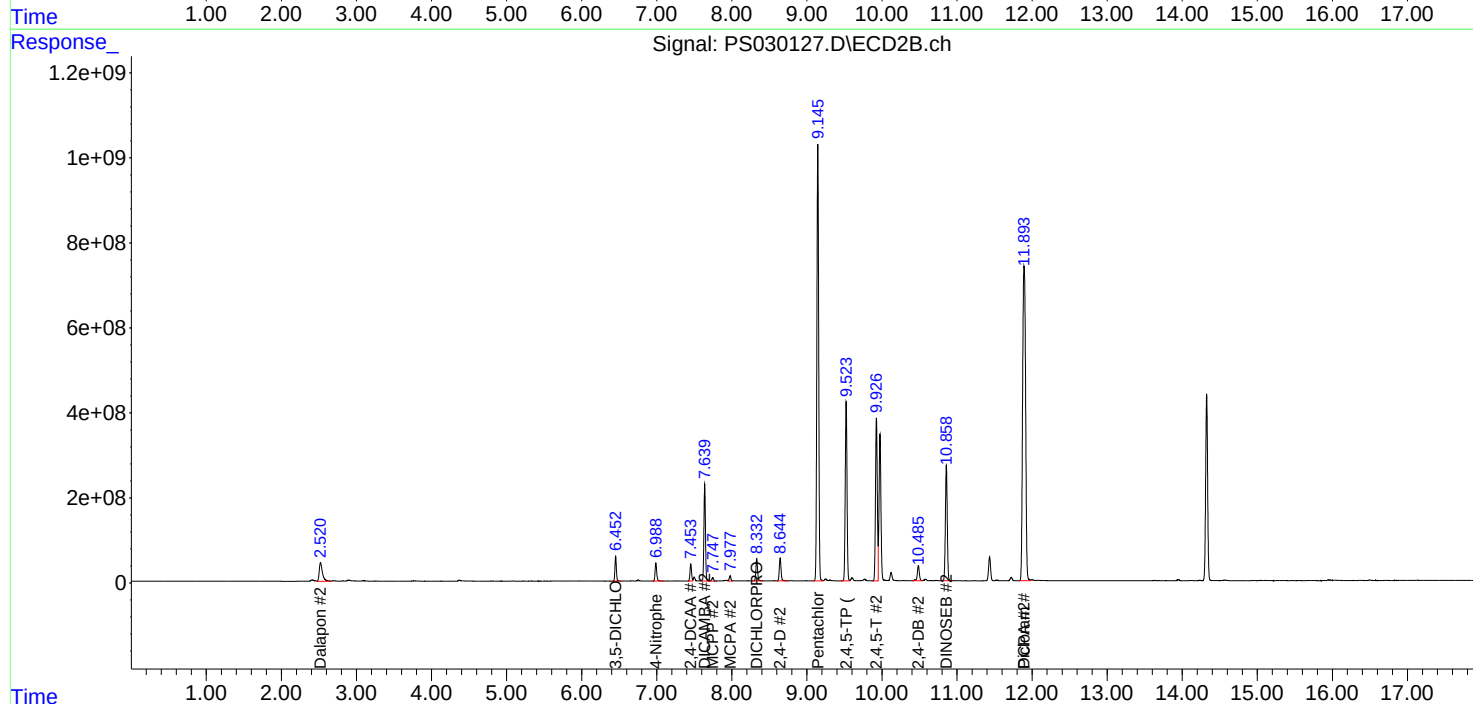
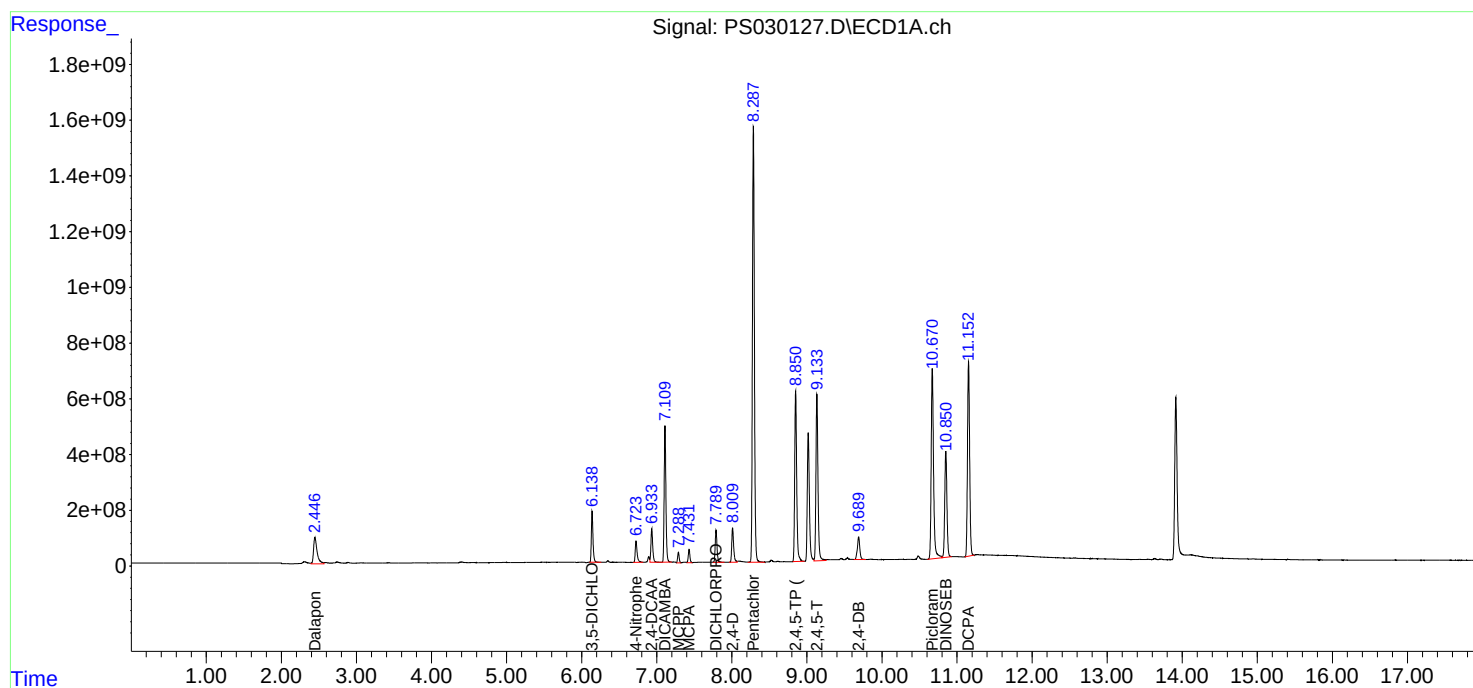
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

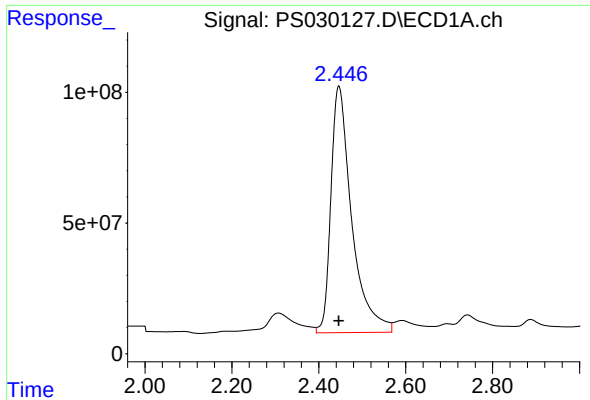
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:18
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:43:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

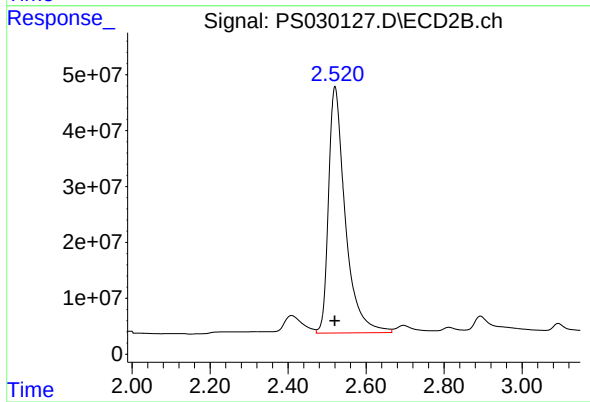




#1 Dalapon

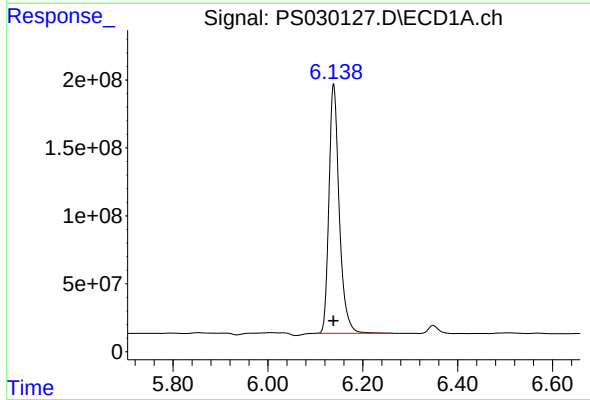
R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 3133158349
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



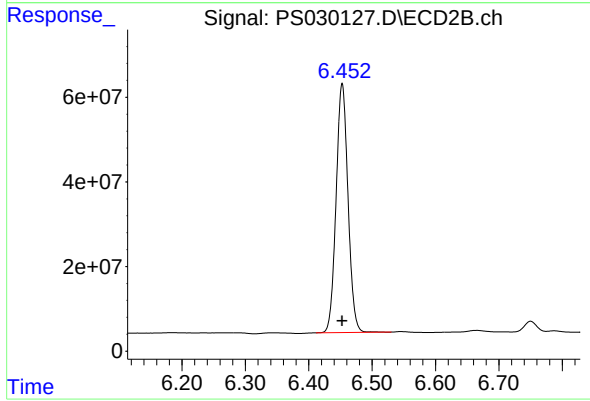
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 1315149862
Conc: 682.50 ng/ml



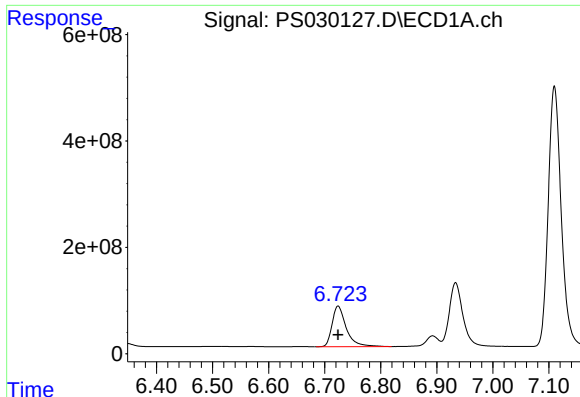
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 2769161837
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

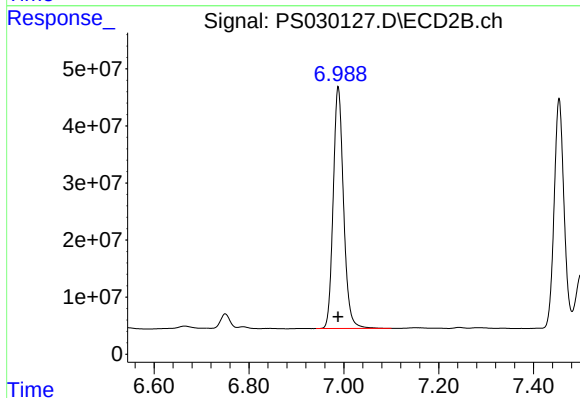
R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 767622050
Conc: 697.50 ng/ml



#3 4-Nitrophenol

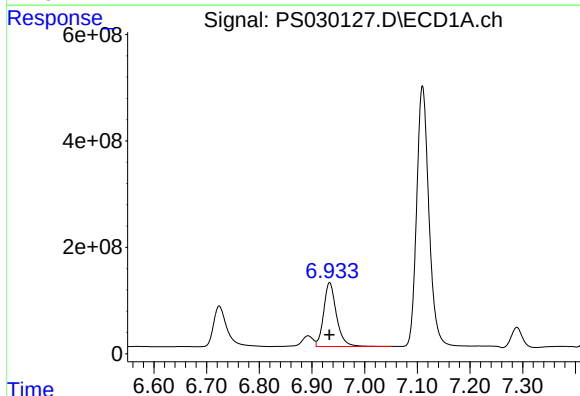
R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 1343548396
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



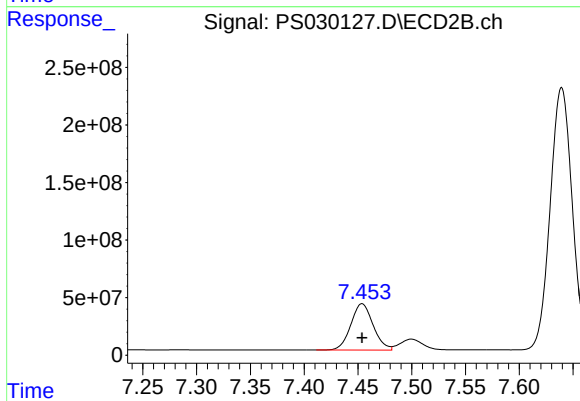
#3 4-Nitrophenol

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 641076357
Conc: 682.50 ng/ml



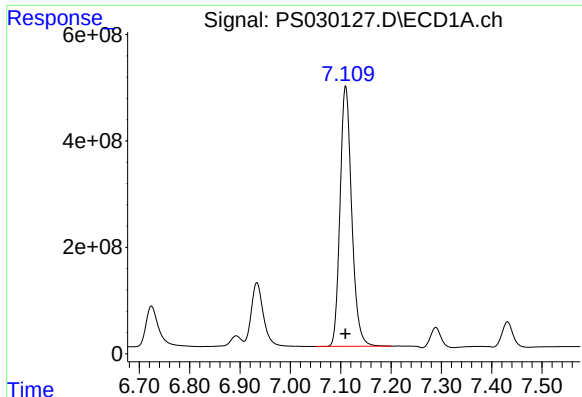
#4 2,4-DCAA

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 2026887217
Conc: 750.00 ng/ml



#4 2,4-DCAA

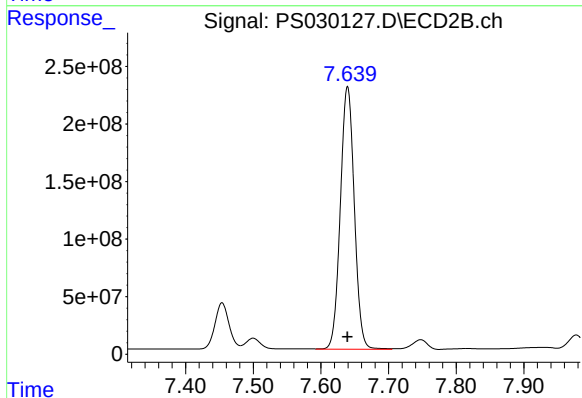
R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 580117400
Conc: 750.00 ng/ml



#5 DICAMBA

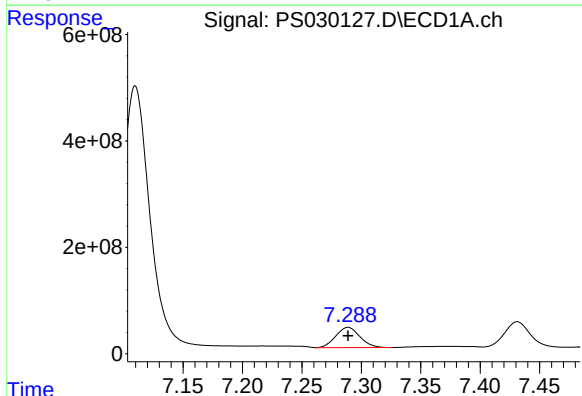
R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 7854114223
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



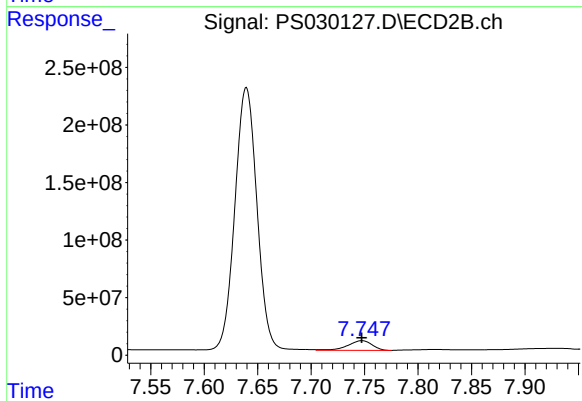
#5 DICAMBA

R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 3279195420
Conc: 705.00 ng/ml



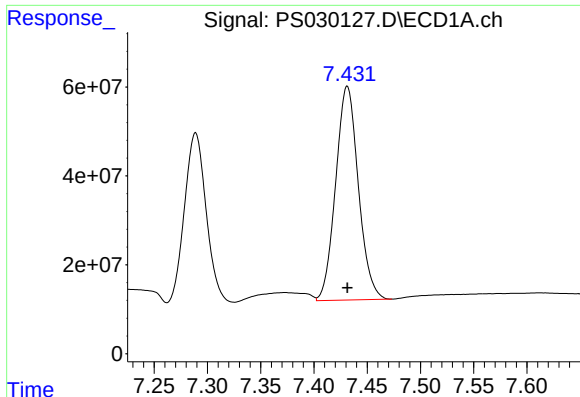
#6 MCPP

R.T.: 7.289 min
Delta R.T.: 0.000 min
Response: 537195040
Conc: 70.50 ug/ml



#6 MCPP

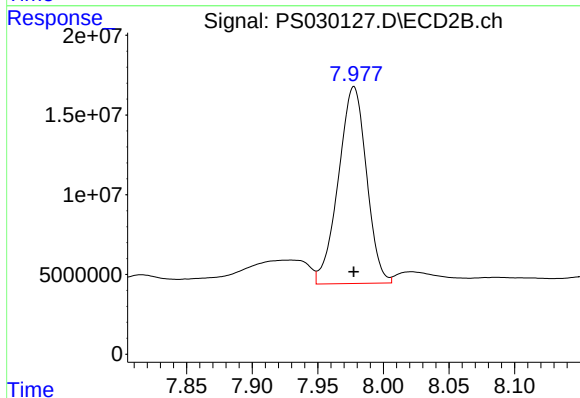
R.T.: 7.747 min
Delta R.T.: 0.000 min
Response: 133635367
Conc: 70.50 ug/ml



#7 MCPA

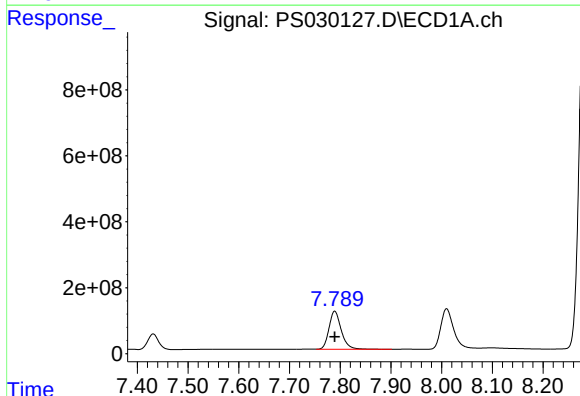
R.T.: 7.431 min
Delta R.T.: 0.000 min
Response: 712187358
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



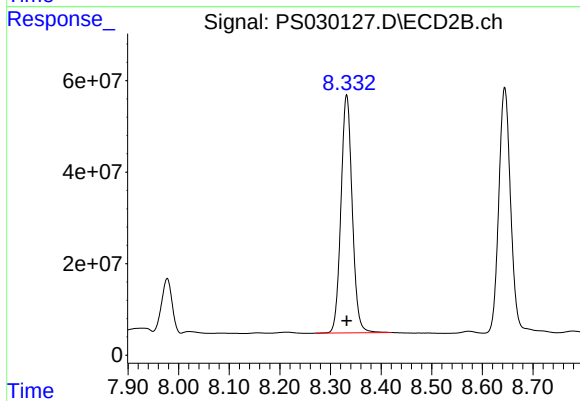
#7 MCPA

R.T.: 7.977 min
Delta R.T.: 0.000 min
Response: 183893475
Conc: 69.75 ug/ml



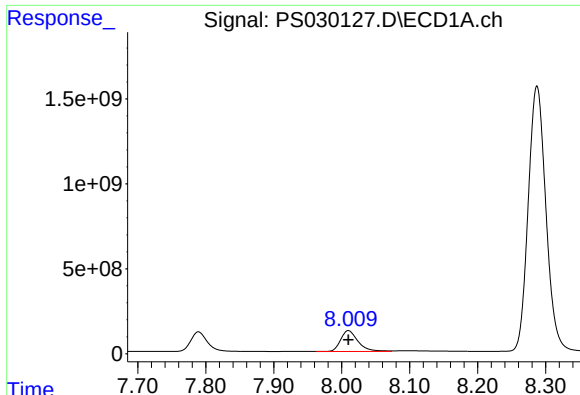
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 1955297251
Conc: 705.00 ng/ml



#8 DICHLORPROP

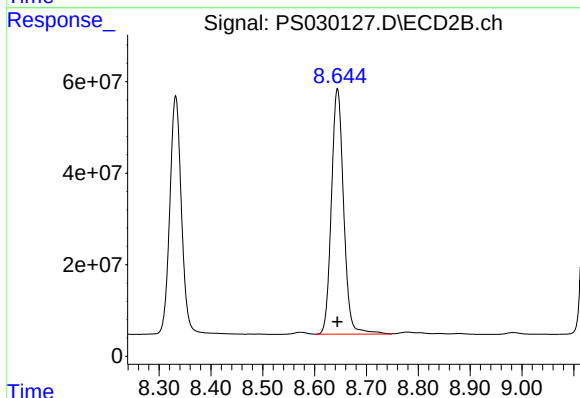
R.T.: 8.332 min
Delta R.T.: 0.000 min
Response: 804351271
Conc: 705.00 ng/ml



#9 2,4-D

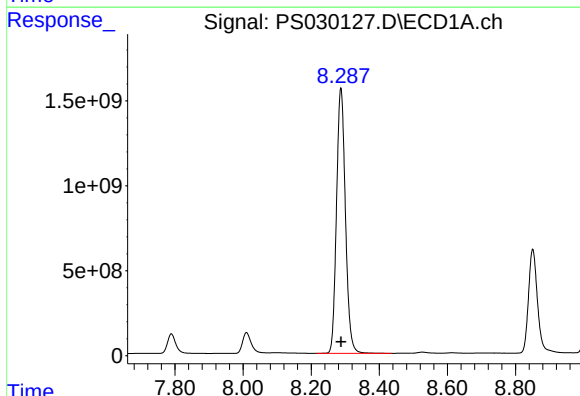
R.T.: 8.010 min
Delta R.T.: 0.000 min
Response: 2194684914
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



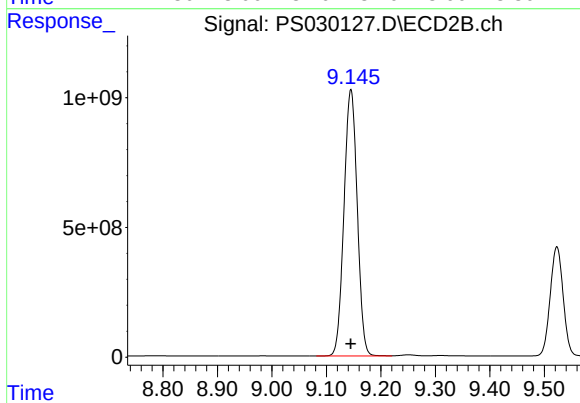
#9 2,4-D

R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 879885440
Conc: 705.00 ng/ml



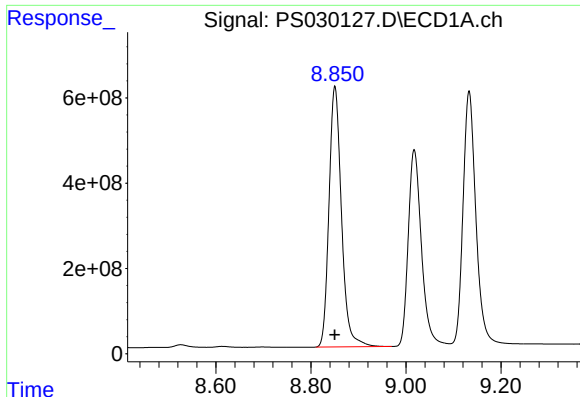
#10 Pentachlorophenol

R.T.: 8.287 min
Delta R.T.: 0.000 min
Response: 28320537284
Conc: 712.50 ng/ml



#10 Pentachlorophenol

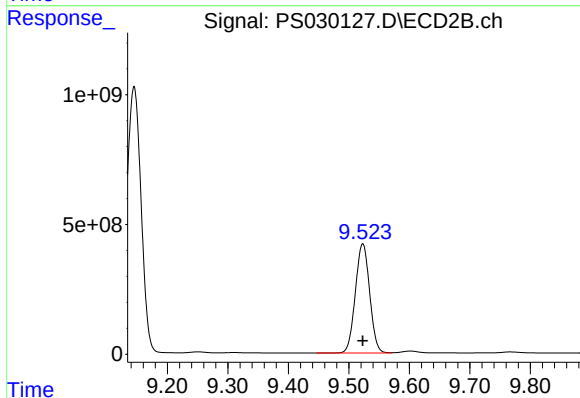
R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 17364839374
Conc: 712.50 ng/ml



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

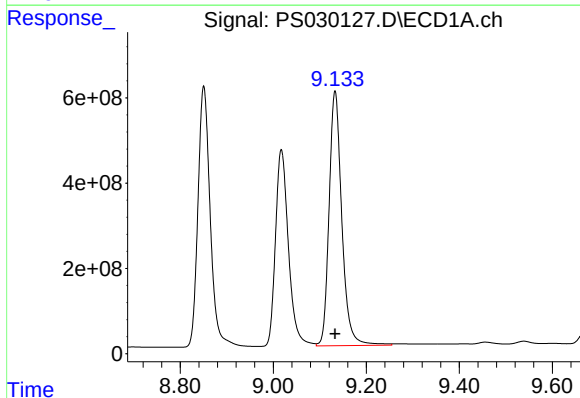
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 11129138127
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



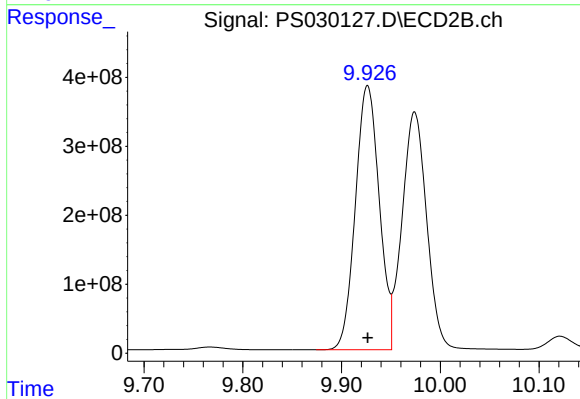
#11 2,4,5-TP (SILVEX)

R.T.: 9.523 min
Delta R.T.: 0.000 min
Response: 6909193932
Conc: 712.50 ng/ml



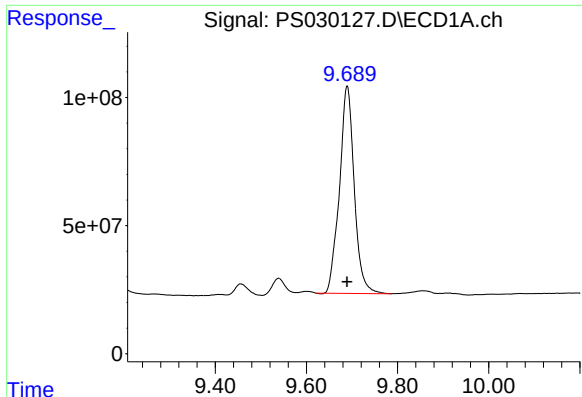
#12 2,4,5-T

R.T.: 9.133 min
Delta R.T.: 0.000 min
Response: 11344714278
Conc: 712.50 ng/ml



#12 2,4,5-T

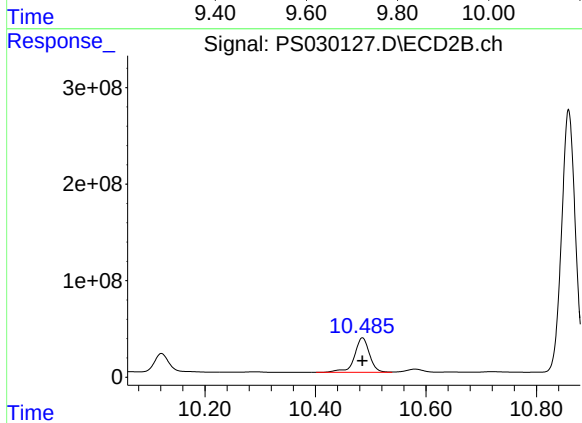
R.T.: 9.926 min
Delta R.T.: 0.000 min
Response: 6442637993
Conc: 712.50 ng/ml



#13 2,4-DB

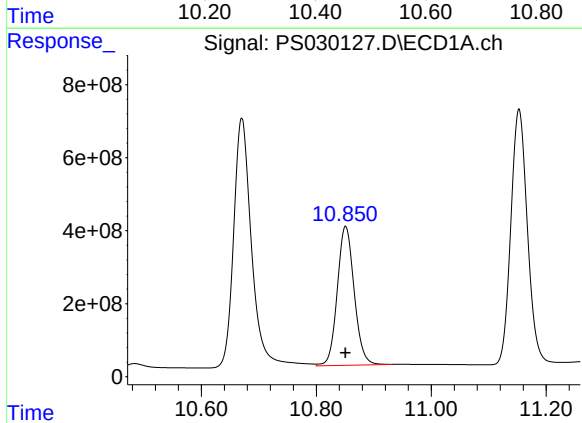
R.T.: 9.689 min
Delta R.T.: 0.000 min
Response: 1827095707
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



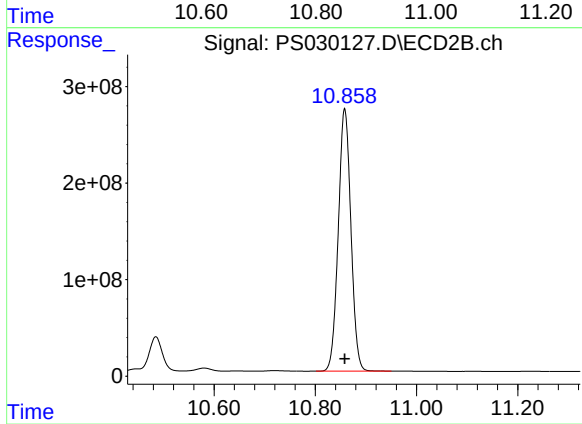
#13 2,4-DB

R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 675795698
Conc: 712.50 ng/ml



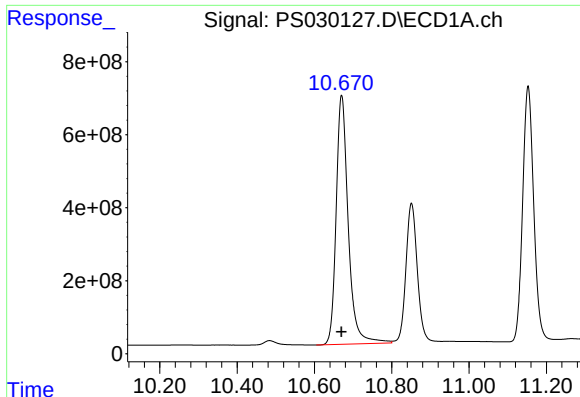
#14 DINOSEB

R.T.: 10.851 min
Delta R.T.: 0.000 min
Response: 7747230847
Conc: 705.00 ng/ml



#14 DINOSEB

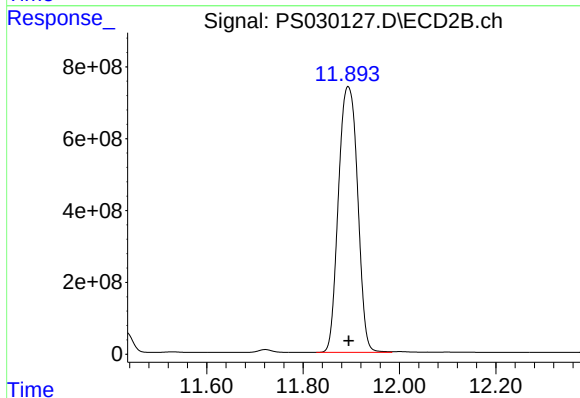
R.T.: 10.858 min
Delta R.T.: 0.000 min
Response: 4702817976
Conc: 705.00 ng/ml



#15 Picloram

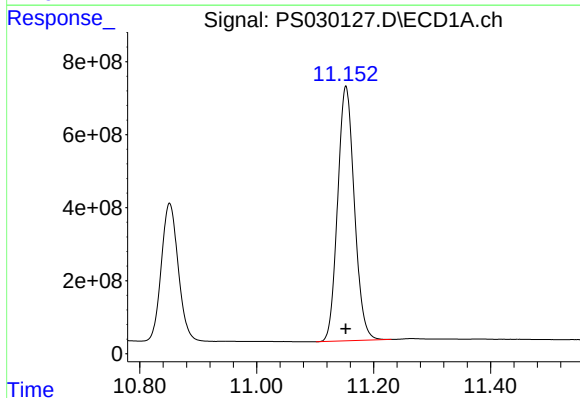
R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 14857335996
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



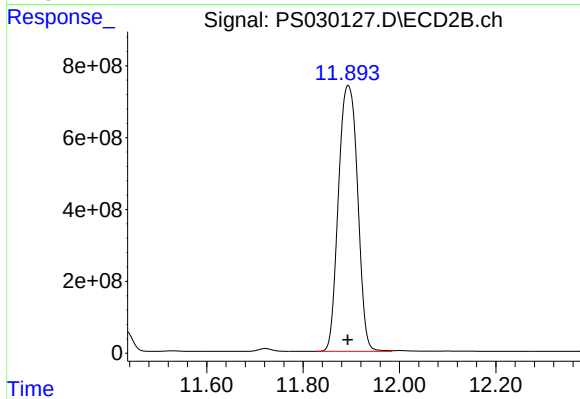
#15 Picloram

R.T.: 11.893 min
Delta R.T.: -0.001 min
Response: 20450618606
Conc: 1529.78 ng/ml



#16 DCPA

R.T.: 11.153 min
Delta R.T.: 0.000 min
Response: 13839943513
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 11.893 min
Delta R.T.: 0.000 min
Response: 20450618606
Conc: 1487.10 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030128.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 13:42
 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: May 12 13:58:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:58:36 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	6.933	7.454	2609.3E6	758.4E6	890.431	932.175
Target Compounds							
1) T	Dalapon	2.446	2.520	4022.0E6	1730.9E6	791.534	834.294
2) T	3,5-DICHL...	6.139	6.453	3590.0E6	1001.6E6	838.061	840.224
3) T	4-Nitroph...	6.724	6.988	1760.4E6	837.7E6	835.965	776.796
5) T	DICAMBA	7.109	7.640	10196.3E6	4357.6E6	863.169	917.597
6) T	MCPD	7.290	7.749	729.6E6	177.4E6	101.601	97.188
7) T	MCPA	7.433	7.979	953.9E6	245.9E6	92.106	92.679
8) T	DICHLORPROP	7.789	8.332	2519.6E6	1045.5E6	839.025	867.706
9) T	2,4-D	8.009	8.645	2834.0E6	1152.4E6	841.649	878.805
10) T	Pentachlo...	8.287	9.145	36236.2E6	22455.0E6	854.920	890.701
11) T	2,4,5-TP ...	8.850	9.523	14372.3E6	9041.8E6	866.151	904.264
12) T	2,4,5-T	9.132	9.927	14592.7E6	8411.9E6	861.090	899.563
13) T	2,4-DB	9.689	10.485	2415.4E6	837.2E6	920.436	826.632
14) T	DINOSEB	10.851	10.859	10000.3E6	6148.3E6	852.655	885.355
15) T	Picloram	10.670	11.894	19519.6E6	26778.1E6	897.581	1870.636 #
16) T	DCPA	11.152	11.894	17786.8E6	26778.1E6	869.183	1921.824 #

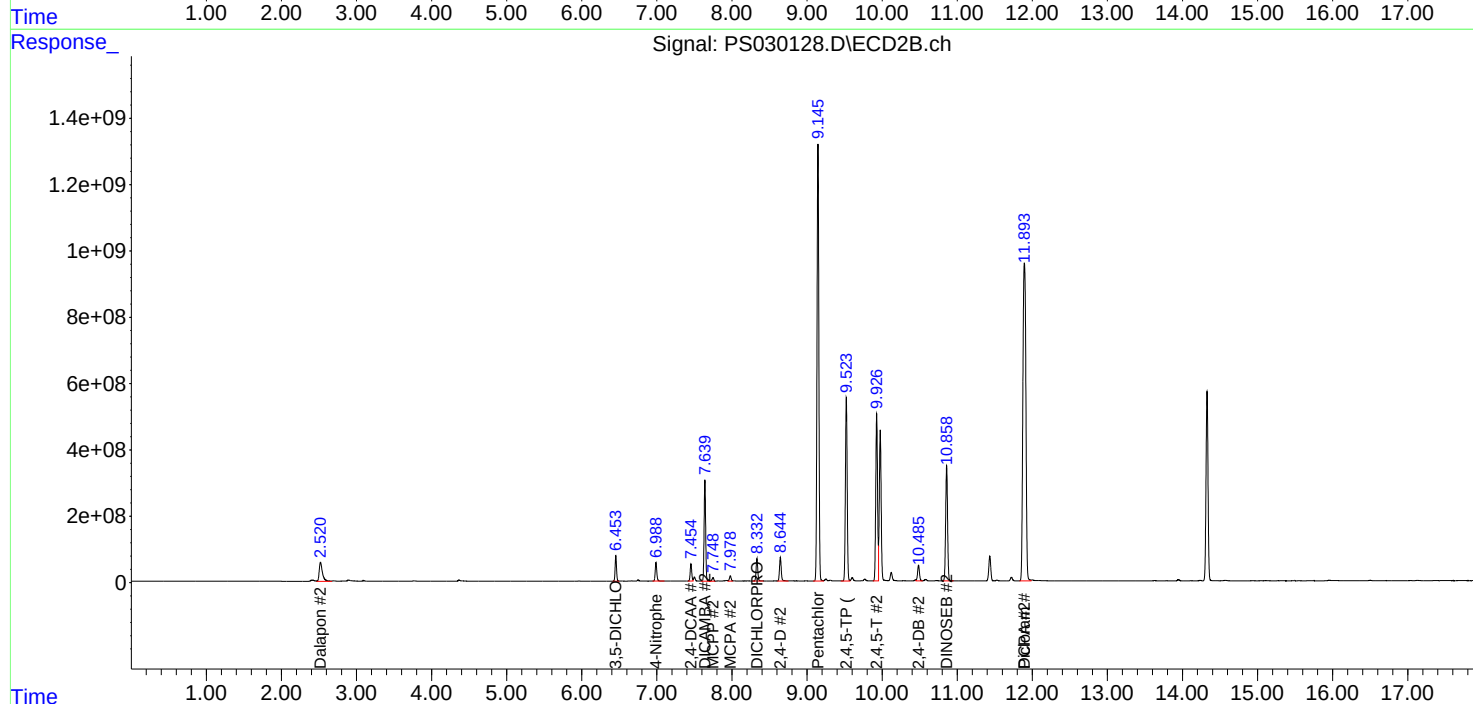
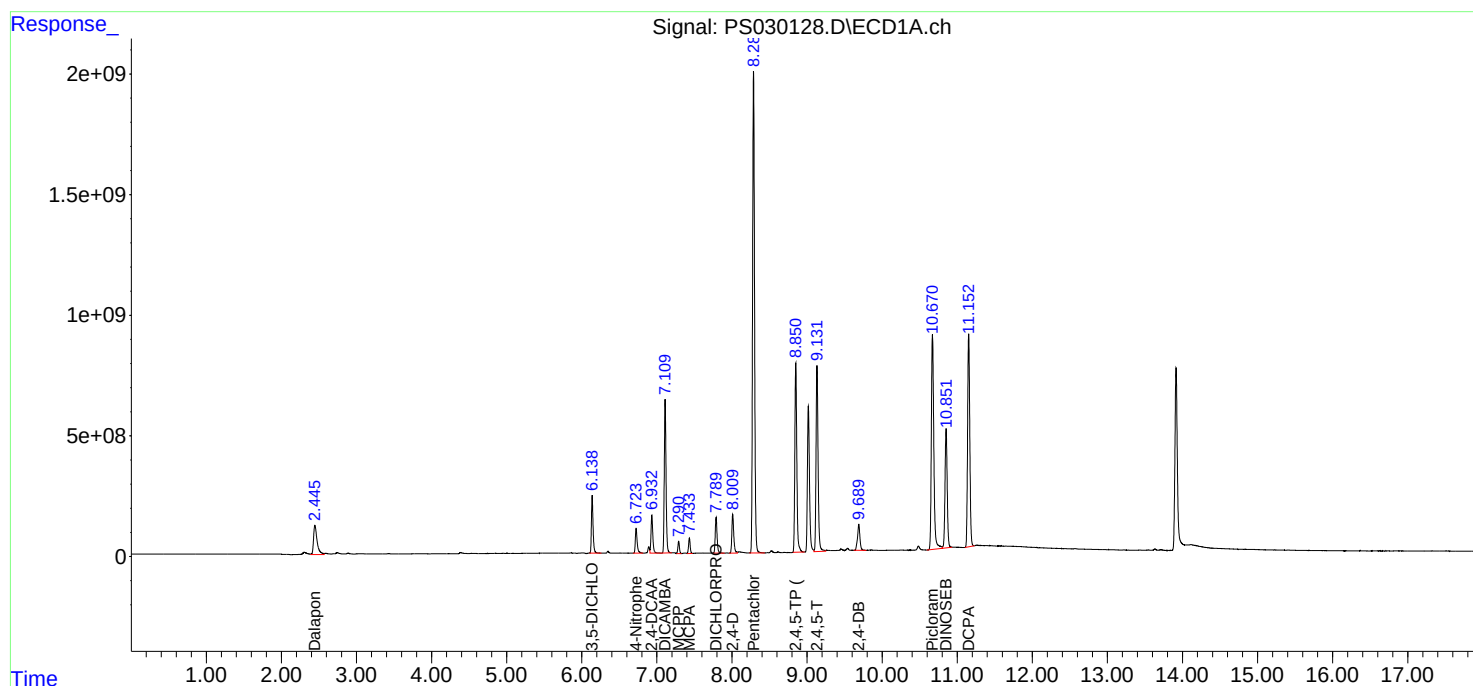
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

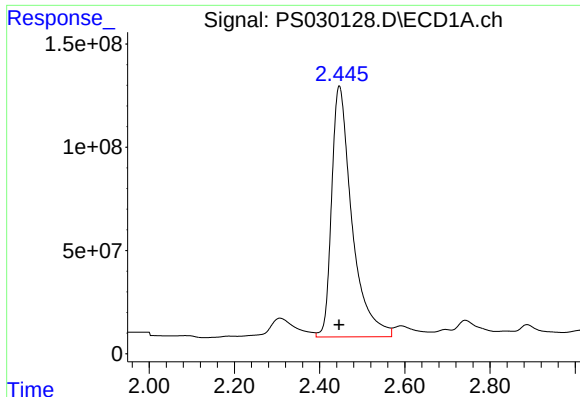
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:42
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:58:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:58:36 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

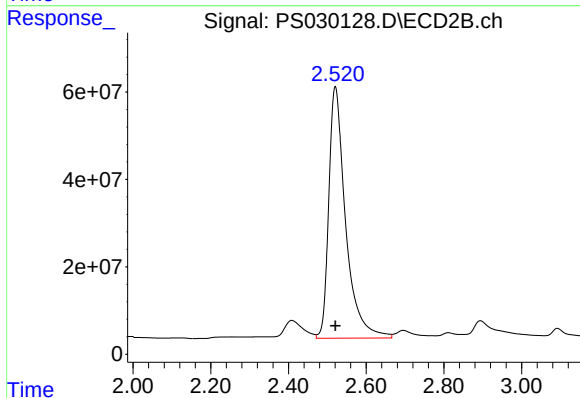




#1 Dalapon

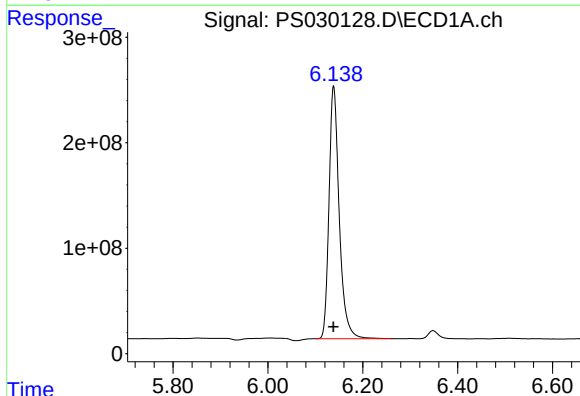
R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 4021963284
Conc: 791.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



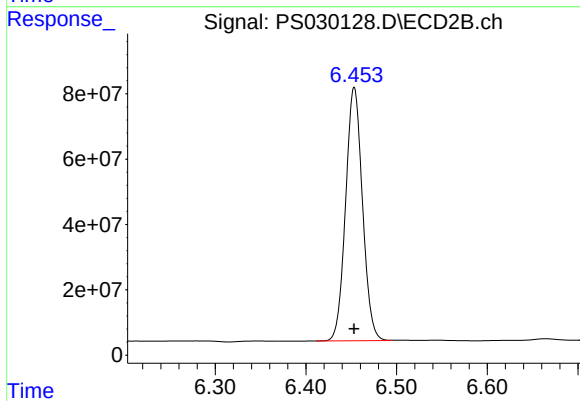
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 1730891069
Conc: 834.29 ng/ml



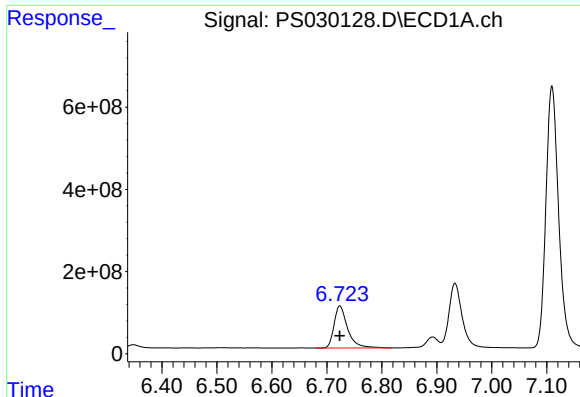
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 3589961745
Conc: 838.06 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

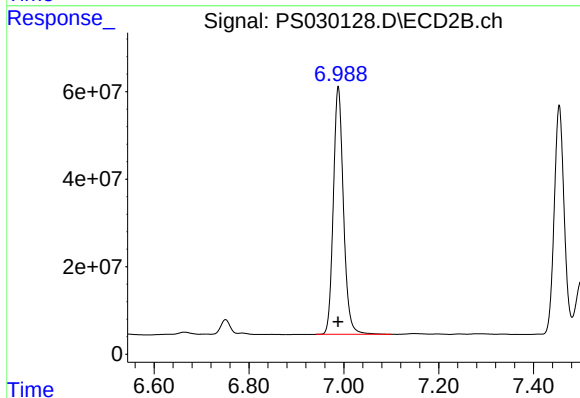
R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 1001633745
Conc: 840.22 ng/ml



#3 4-Nitrophenol

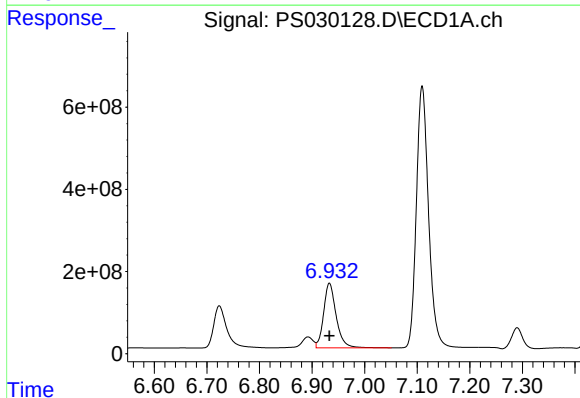
R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 1760427255
Conc: 835.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



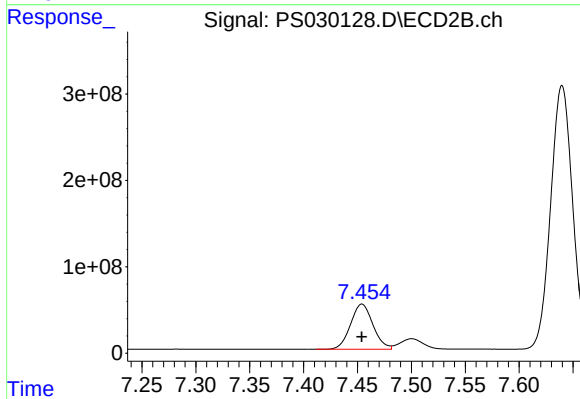
#3 4-Nitrophenol

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 837737348
Conc: 776.80 ng/ml



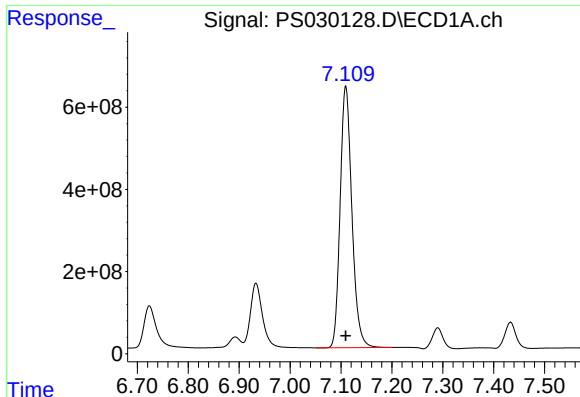
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 2609294743
Conc: 890.43 ng/ml



#4 2,4-DCAA

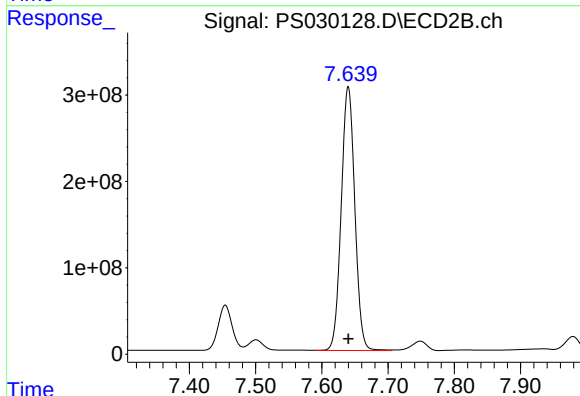
R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 758360520
Conc: 932.17 ng/ml



#5 DICAMBA

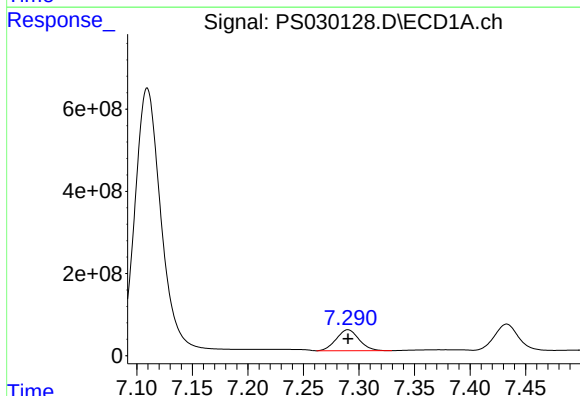
R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 10196279058
Conc: 863.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



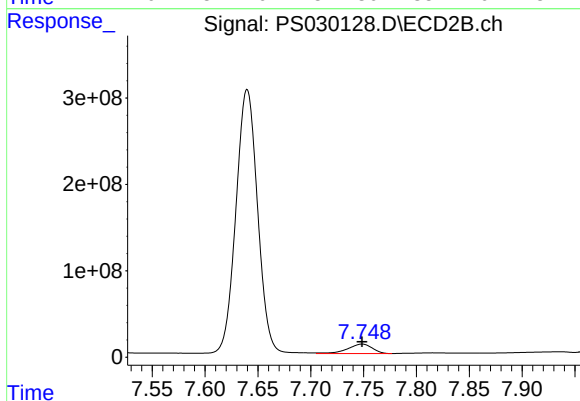
#5 DICAMBA

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 4357644538
Conc: 917.60 ng/ml



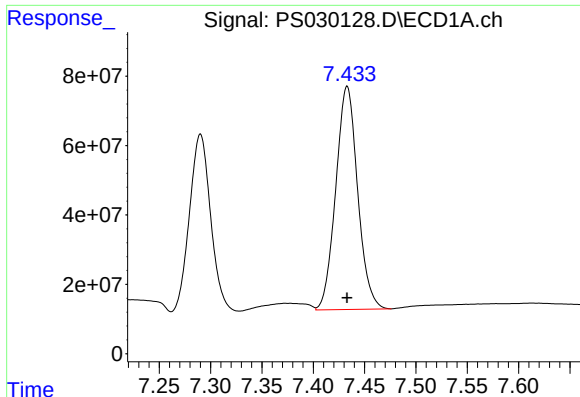
#6 MCP

R.T.: 7.290 min
Delta R.T.: 0.000 min
Response: 729619930
Conc: 101.60 ug/ml



#6 MCP

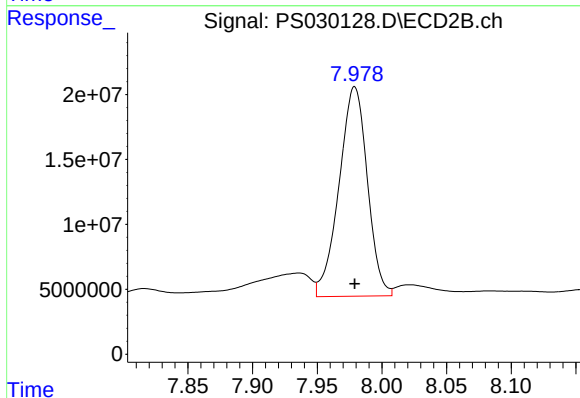
R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 177433602
Conc: 97.19 ug/ml



#7 MCPA

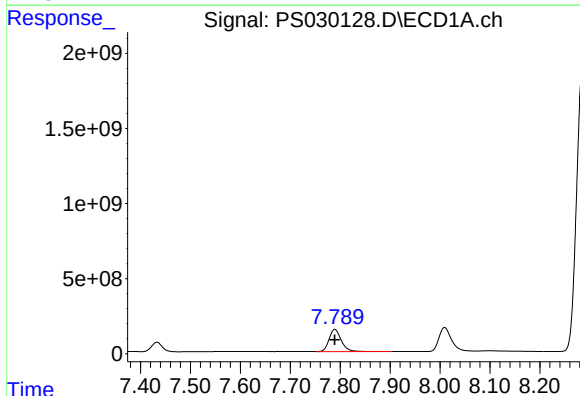
R.T.: 7.433 min
Delta R.T.: 0.000 min
Response: 953851940
Conc: 92.11 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



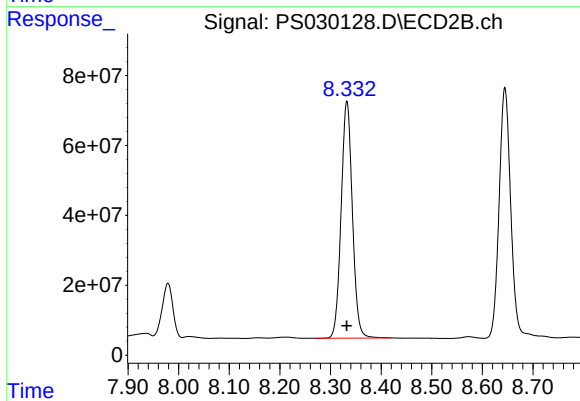
#7 MCPA

R.T.: 7.979 min
Delta R.T.: 0.000 min
Response: 245942773
Conc: 92.68 ug/ml



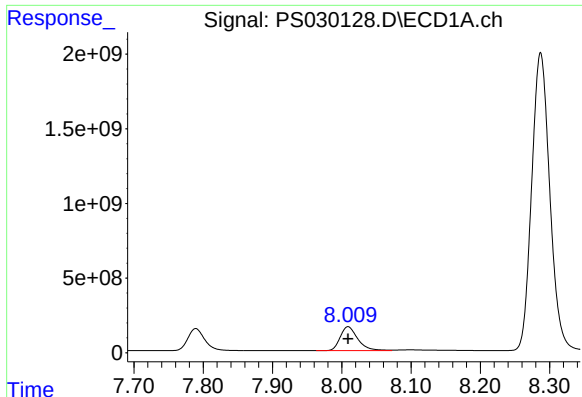
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 2519559442
Conc: 839.03 ng/ml



#8 DICHLORPROP

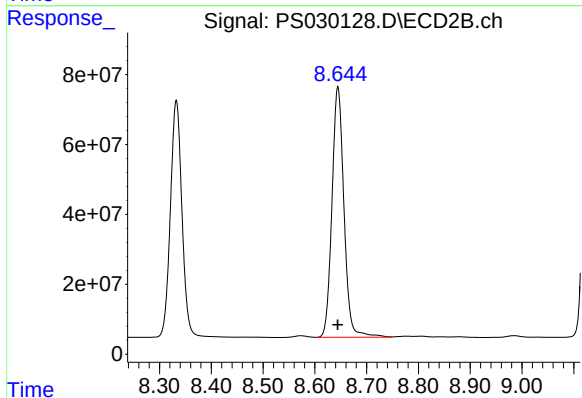
R.T.: 8.332 min
Delta R.T.: 0.000 min
Response: 1045503891
Conc: 867.71 ng/ml



#9 2,4-D

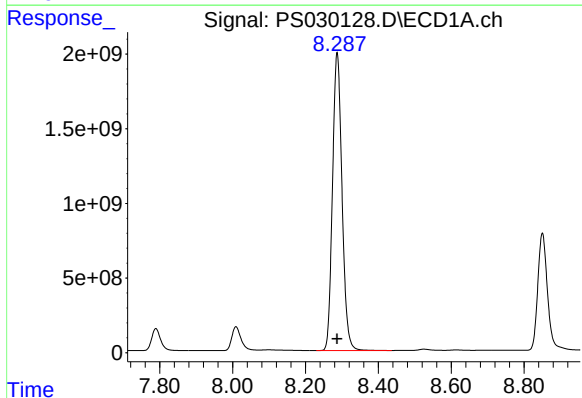
R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 2833974670
Conc: 841.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



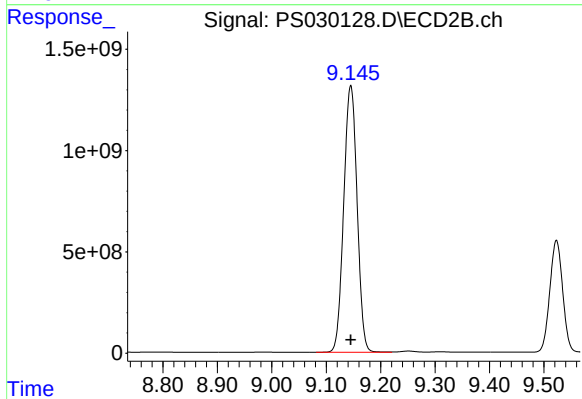
#9 2,4-D

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 1152351712
Conc: 878.81 ng/ml



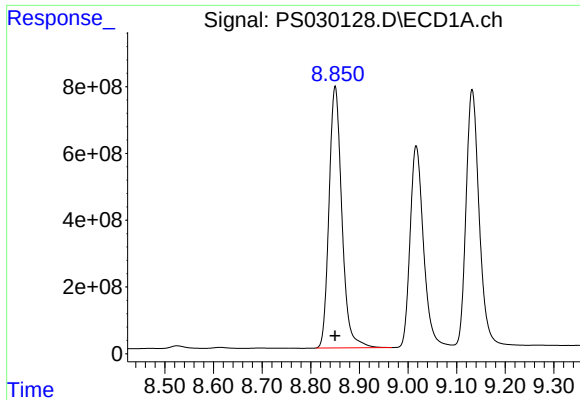
#10 Pentachlorophenol

R.T.: 8.287 min
Delta R.T.: 0.000 min
Response: 36236236928
Conc: 854.92 ng/ml



#10 Pentachlorophenol

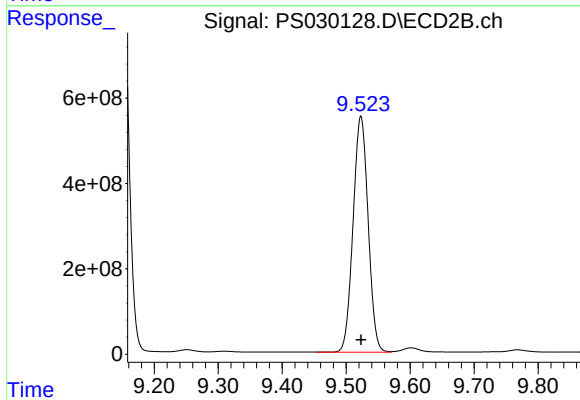
R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 22454999462
Conc: 890.70 ng/ml



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

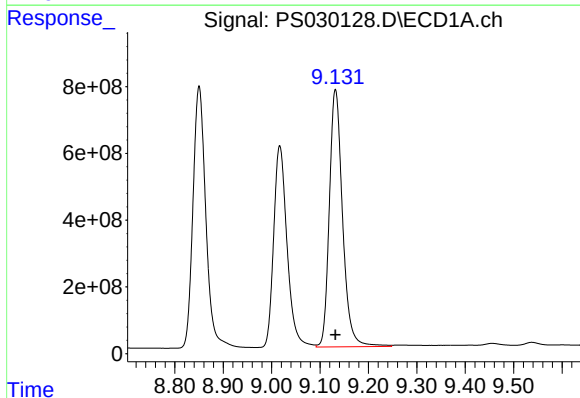
R.T.: 8.850 min
Delta R.T.: 0.000 min
Response: 14372285305
Conc: 866.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



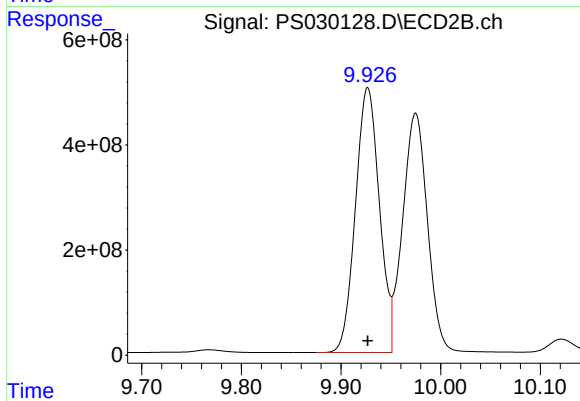
#11 2,4,5-TP (SILVEX)

R.T.: 9.523 min
Delta R.T.: 0.000 min
Response: 9041790337
Conc: 904.26 ng/ml



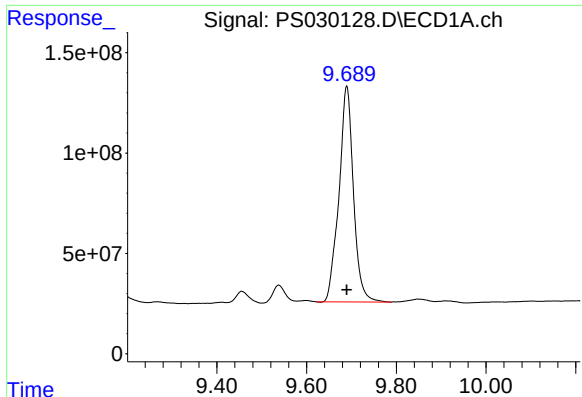
#12 2,4,5-T

R.T.: 9.132 min
Delta R.T.: 0.000 min
Response: 14592698367
Conc: 861.09 ng/ml



#12 2,4,5-T

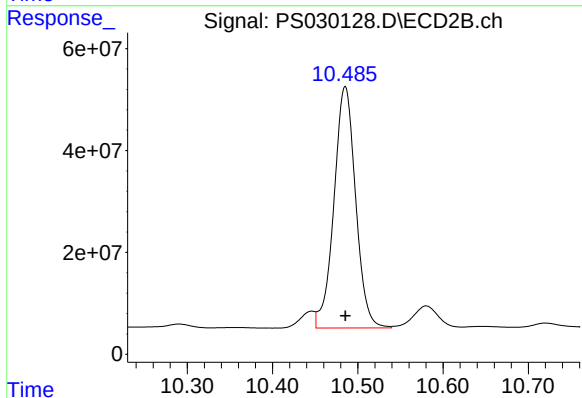
R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 8411853822
Conc: 899.56 ng/ml



#13 2,4-DB

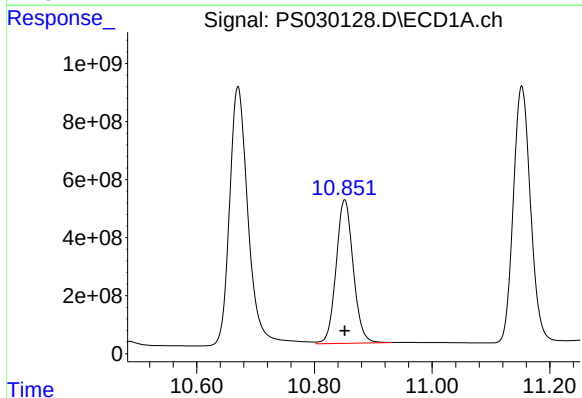
R.T.: 9.689 min
Delta R.T.: 0.000 min
Response: 2415350235
Conc: 920.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



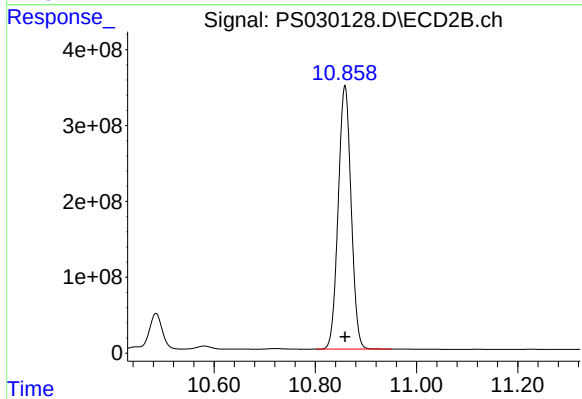
#13 2,4-DB

R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 837193651
Conc: 826.63 ng/ml



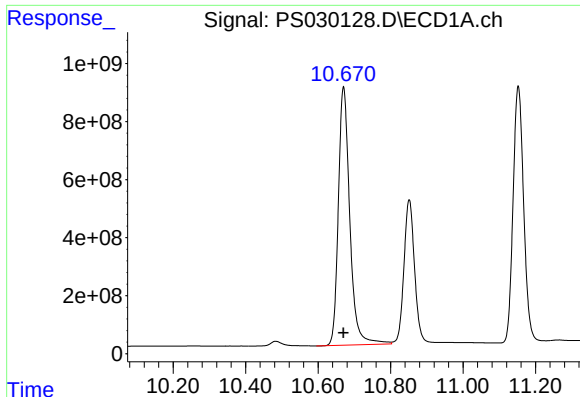
#14 DINOSEB

R.T.: 10.851 min
Delta R.T.: 0.000 min
Response: 10000274551
Conc: 852.66 ng/ml



#14 DINOSEB

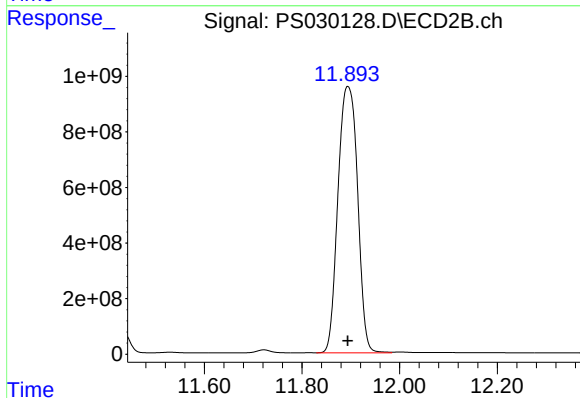
R.T.: 10.859 min
Delta R.T.: 0.000 min
Response: 6148305628
Conc: 885.35 ng/ml



#15 Picloram

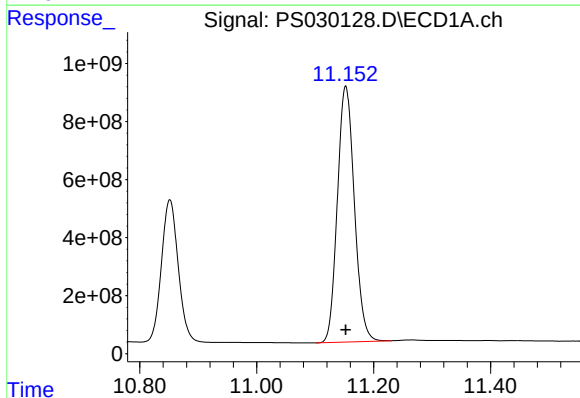
R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 19519635161
Conc: 897.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



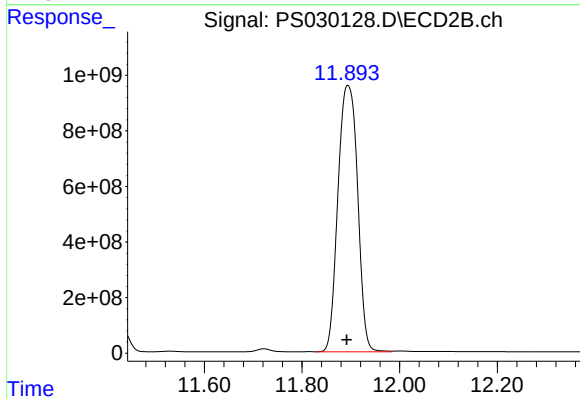
#15 Picloram

R.T.: 11.894 min
Delta R.T.: 0.000 min
Response: 26778109542
Conc: 1870.64 ng/ml



#16 DCPA

R.T.: 11.152 min
Delta R.T.: 0.000 min
Response: 17786782635
Conc: 869.18 ng/ml



#16 DCPA

R.T.: 11.894 min
Delta R.T.: 0.002 min
Response: 26778109542
Conc: 1921.82 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030129.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 14:06
 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: May 12 14:28:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:27:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.934	7.454	3776.3E6	1120.3E6	1326.050	1400.011
Target Compounds							
1) T	Dalapon	2.446	2.520	5803.8E6	2534.2E6	1180.753	1247.720
2) T	3,5-DICHL...	6.139	6.453	5186.8E6	1479.7E6	1243.675	1269.249
3) T	4-Nitroph...	6.724	6.988	2599.8E6	1237.2E6	1258.609	1184.993
5) T	DICAMBA	7.110	7.640	14856.3E6	6548.0E6	1285.438	1384.953
6) T	MCPD	7.293	7.751	1084.1E6	267.4E6	148.855	145.320
7) T	MCPA	7.437	7.983	1462.0E6	359.0E6	140.839	136.111
8) T	DICHLORPROP	7.789	8.333	3658.8E6	1533.4E6	1252.430	1297.948
9) T	2,4-D	8.009	8.645	4125.7E6	1702.5E6	1258.234	1319.227
10) T	Pentachlo...	8.293	9.145	46970.5E6	32180.6E6	1159.743	1303.651
11) T	2,4,5-TP ...	8.851	9.523	20814.7E6	13189.7E6	1285.177	1338.996
12) T	2,4,5-T	9.133	9.927	21074.1E6	12274.8E6	1276.042	1333.692
13) T	2,4-DB	9.690	10.485	3637.1E6	1297.8E6	1393.631	1307.799
14) T	DINOSEB	10.852	10.859	14478.2E6	8998.7E6	1265.980	1317.150
15) T	Picloram	10.670	11.895	28424.6E6	38886.0E6	1329.063	2725.992 #
16) T	DCPA	11.153	11.895	25491.3E6	38886.0E6	1280.231	2909.371 #

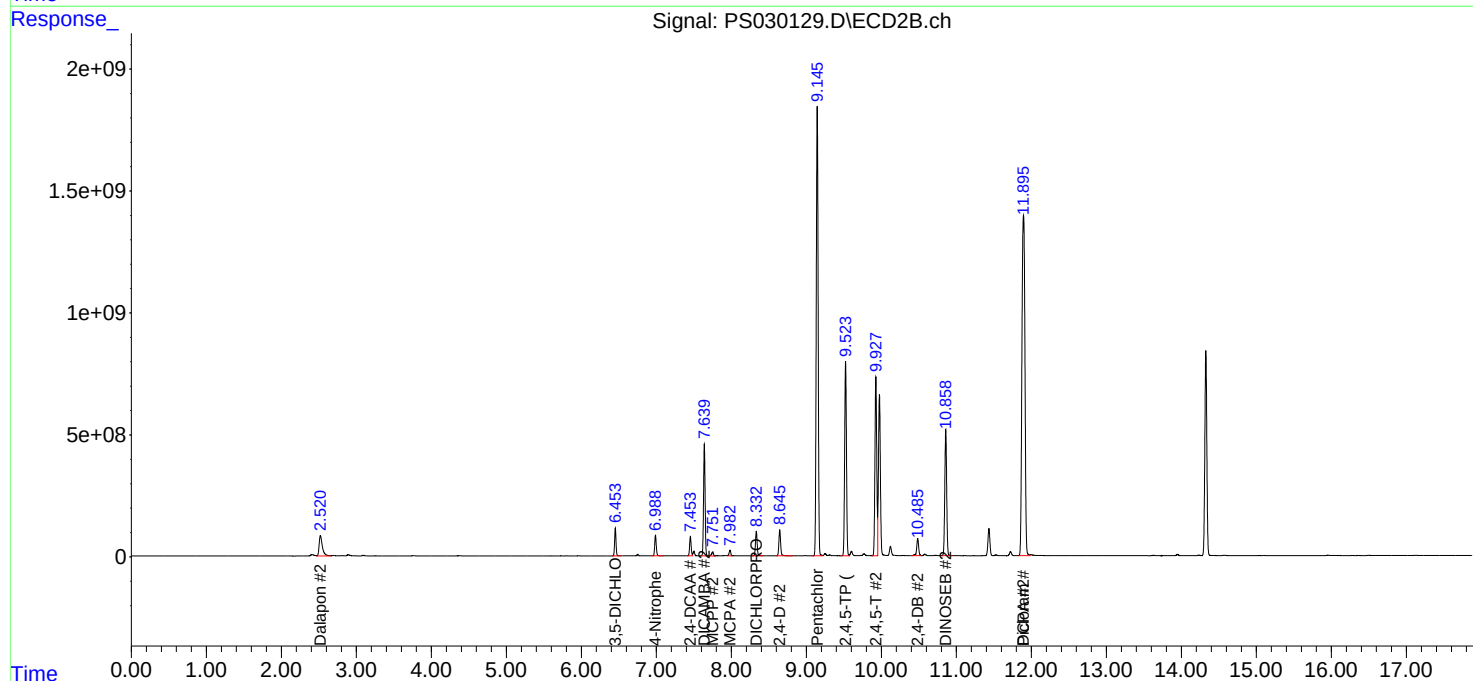
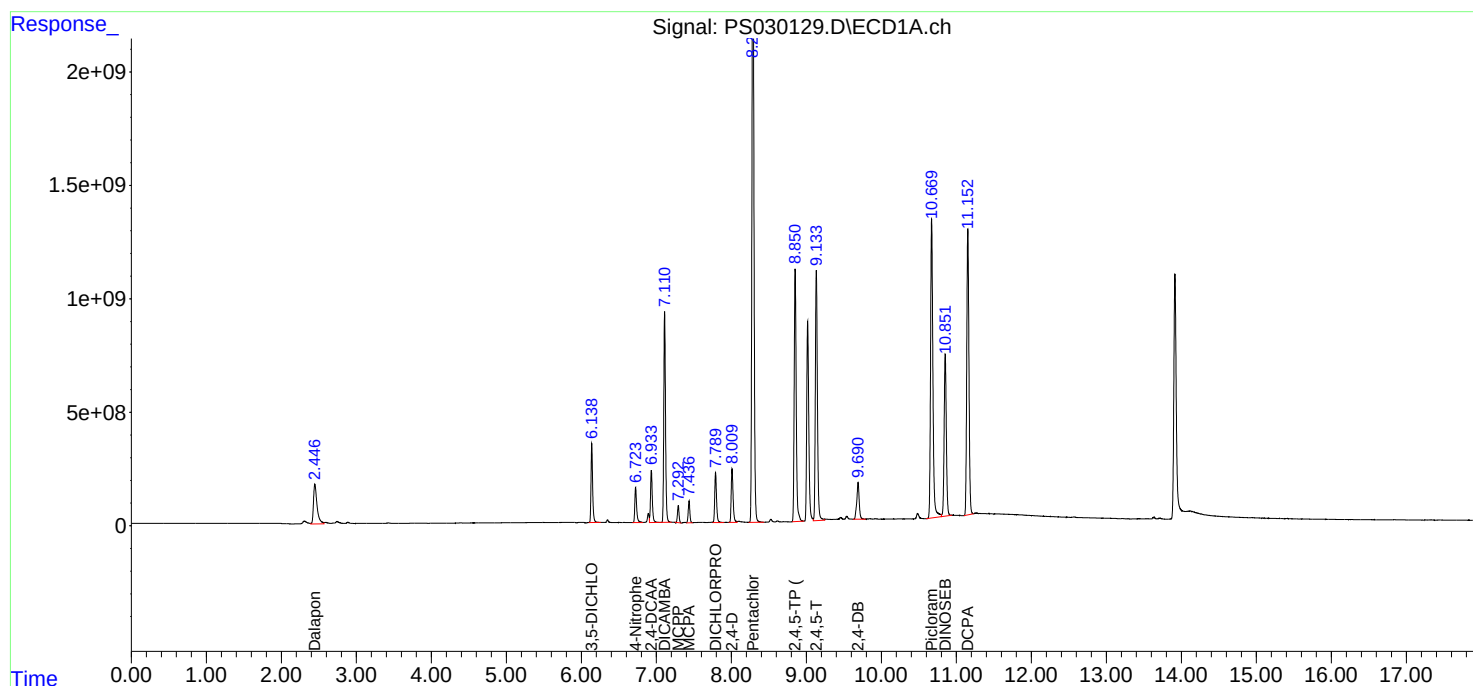
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

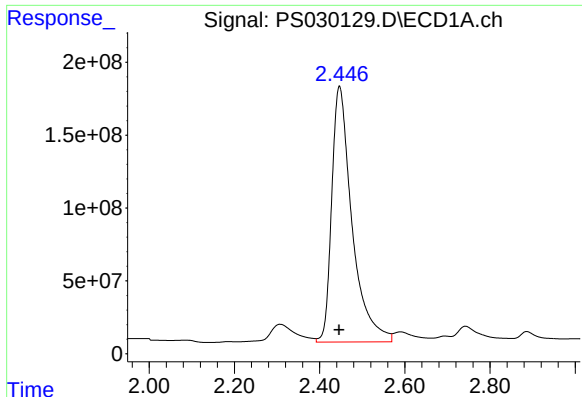
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:06
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:28:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:27:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

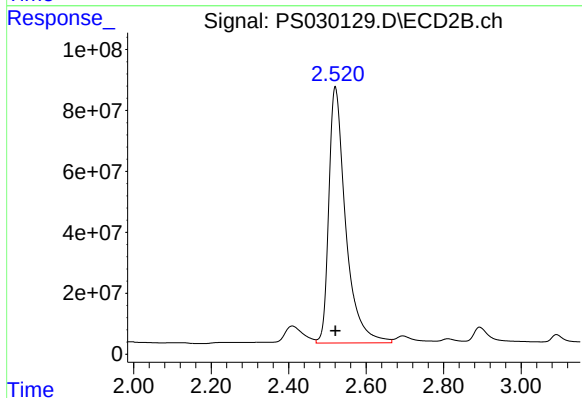




#1 Dalapon

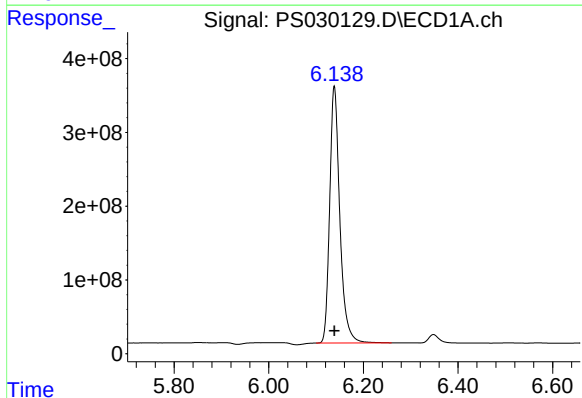
R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 5803825974
Conc: 1180.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



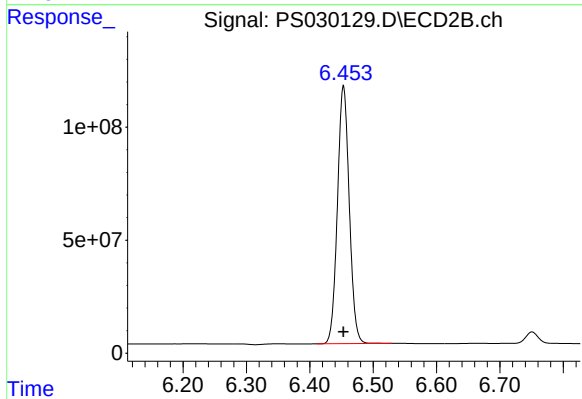
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 2534181671
Conc: 1247.72 ng/ml



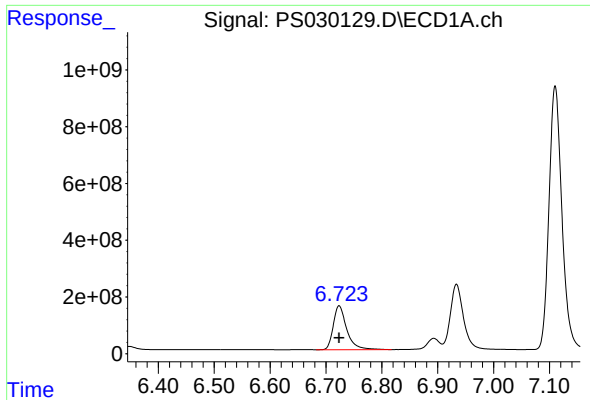
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 5186812575
Conc: 1243.68 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

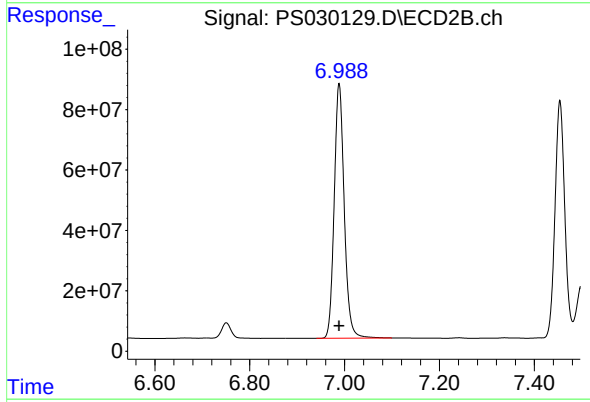
R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 1479728554
Conc: 1269.25 ng/ml



#3 4-Nitrophenol

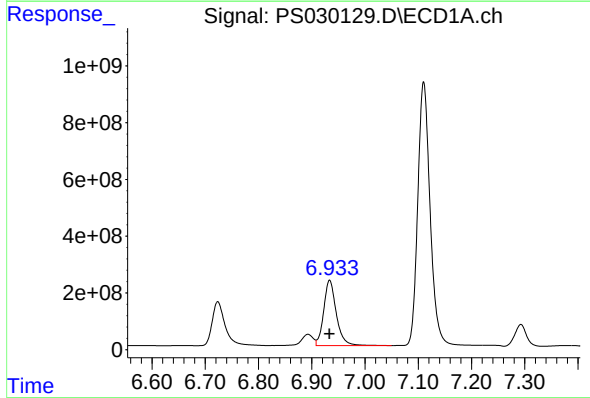
R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 2599800086
Conc: 1258.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



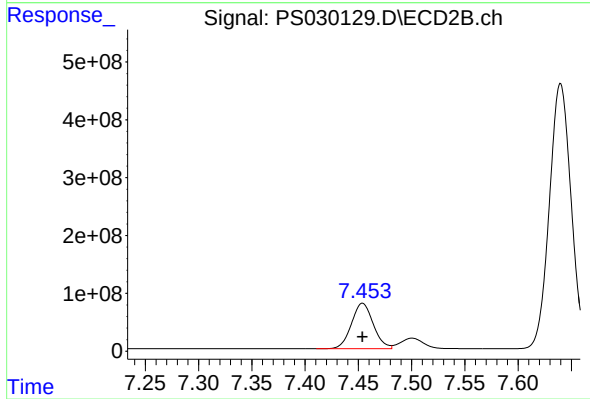
#3 4-Nitrophenol

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 1237170584
Conc: 1184.99 ng/ml



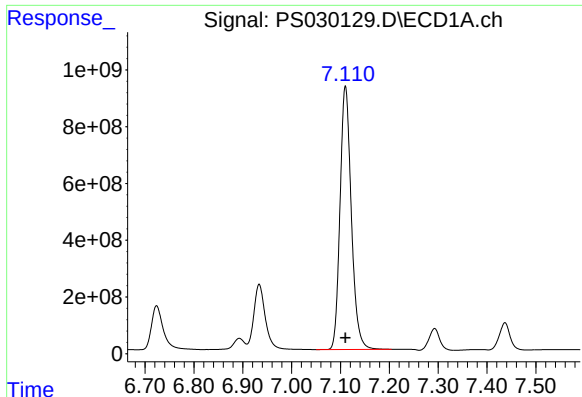
#4 2,4-DCAA

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 3776336032
Conc: 1326.05 ng/ml



#4 2,4-DCAA

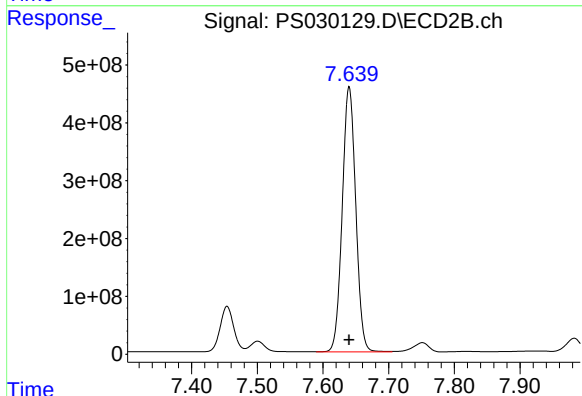
R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 1120293973
Conc: 1400.01 ng/ml



#5 DICAMBA

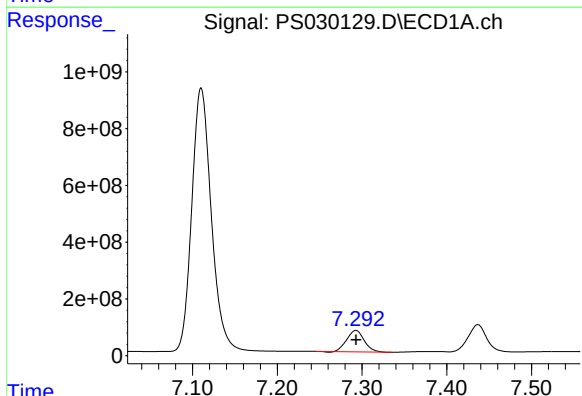
R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 14856279616
Conc: 1285.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



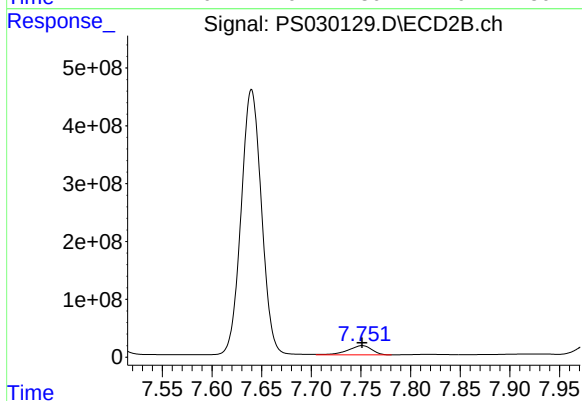
#5 DICAMBA

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 6548026936
Conc: 1384.95 ng/ml



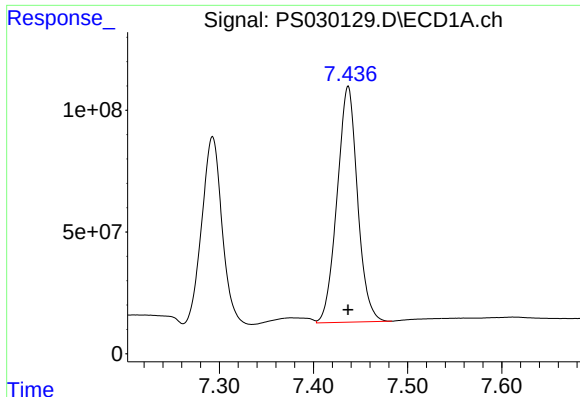
#6 MCP

R.T.: 7.293 min
Delta R.T.: 0.000 min
Response: 1084061510
Conc: 148.85 ug/ml



#6 MCP

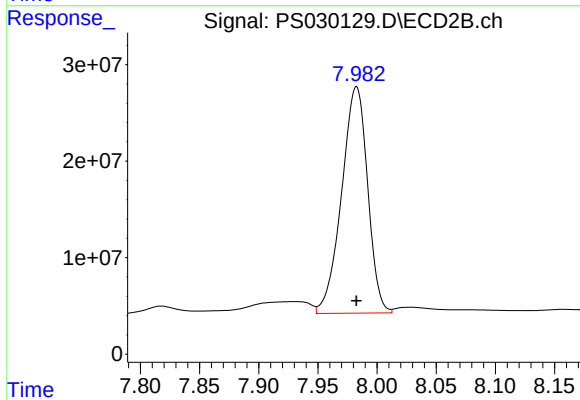
R.T.: 7.751 min
Delta R.T.: 0.000 min
Response: 267354251
Conc: 145.32 ug/ml



#7 MCPA

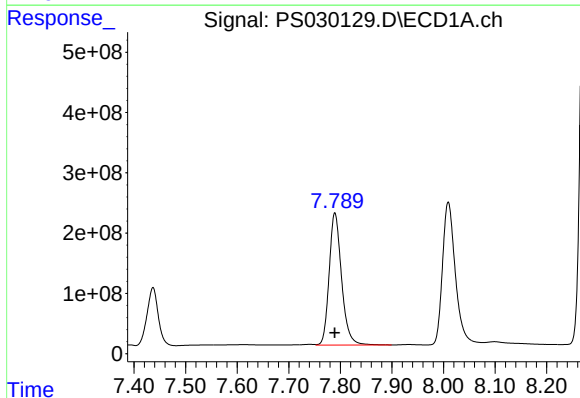
R.T.: 7.437 min
Delta R.T.: 0.000 min
Response: 1462037980
Conc: 140.84 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



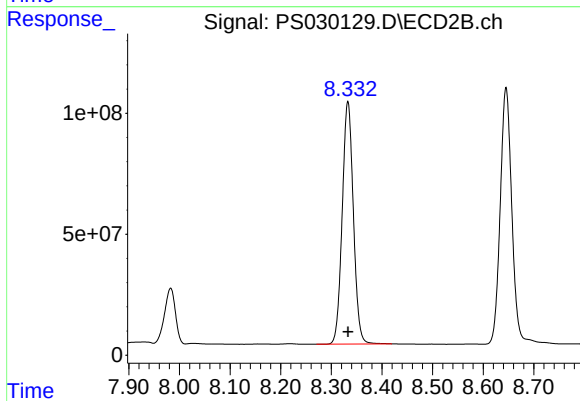
#7 MCPA

R.T.: 7.983 min
Delta R.T.: 0.000 min
Response: 359019035
Conc: 136.11 ug/ml



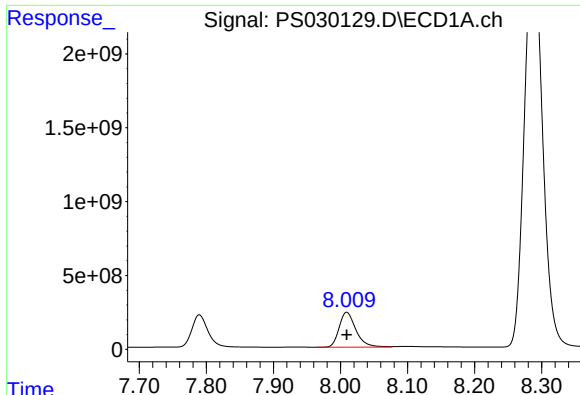
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 3658780135
Conc: 1252.43 ng/ml



#8 DICHLORPROP

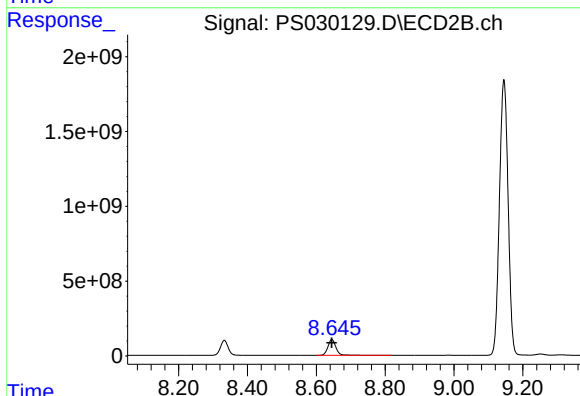
R.T.: 8.333 min
Delta R.T.: 0.000 min
Response: 1533438356
Conc: 1297.95 ng/ml



#9 2,4-D

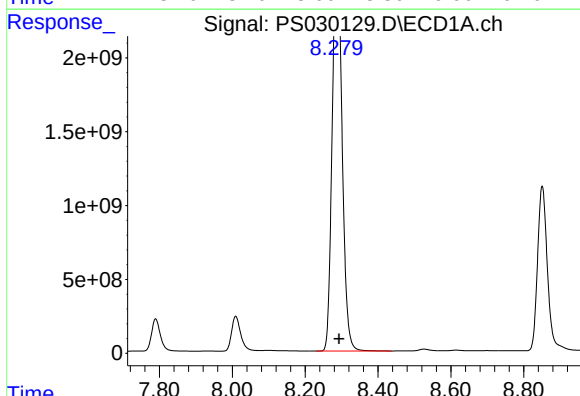
R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 4125668343
Conc: 1258.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



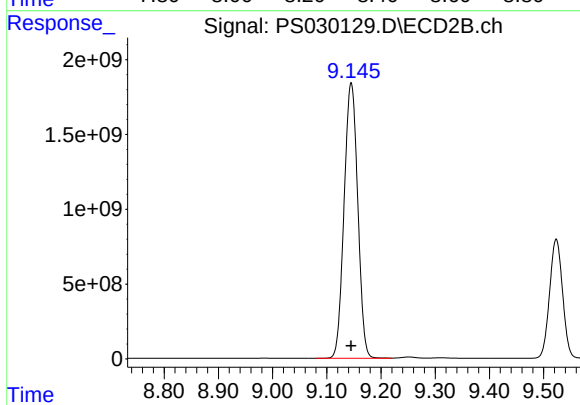
#9 2,4-D

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 1702463835
Conc: 1319.23 ng/ml



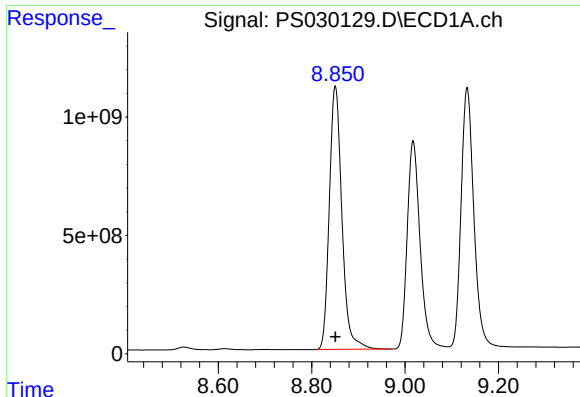
#10 Pentachlorophenol

R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 46970475936
Conc: 1159.74 ng/ml



#10 Pentachlorophenol

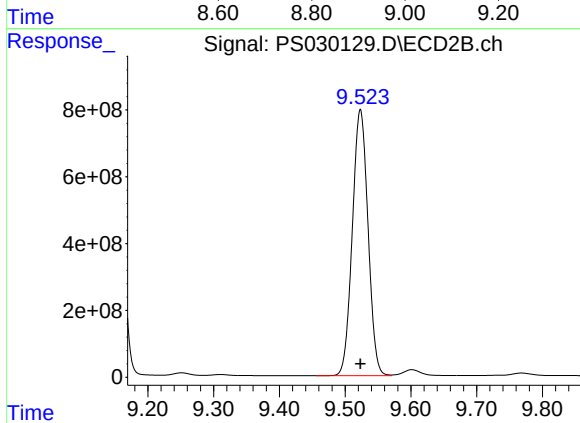
R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 32180559414
Conc: 1303.65 ng/ml



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

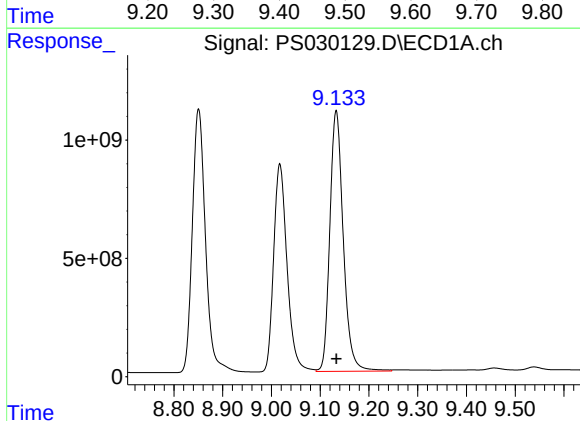
R.T.: 8.851 min
Delta R.T.: 0.000 min
Response: 20814708718
Conc: 1285.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



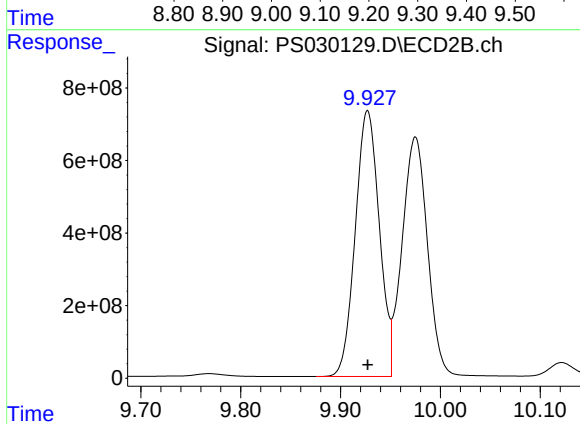
#11 2,4,5-TP (SILVEX)

R.T.: 9.523 min
Delta R.T.: 0.000 min
Response: 13189681851
Conc: 1339.00 ng/ml



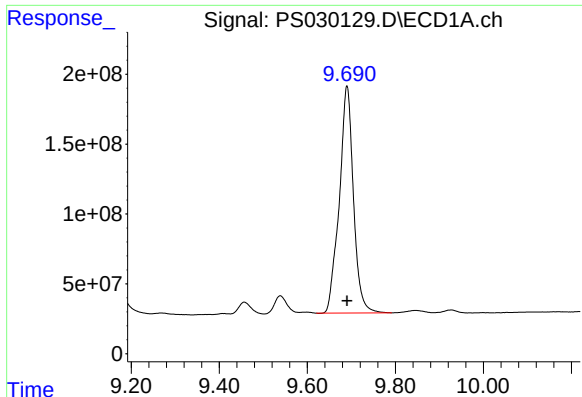
#12 2,4,5-T

R.T.: 9.133 min
Delta R.T.: 0.000 min
Response: 21074072877
Conc: 1276.04 ng/ml



#12 2,4,5-T

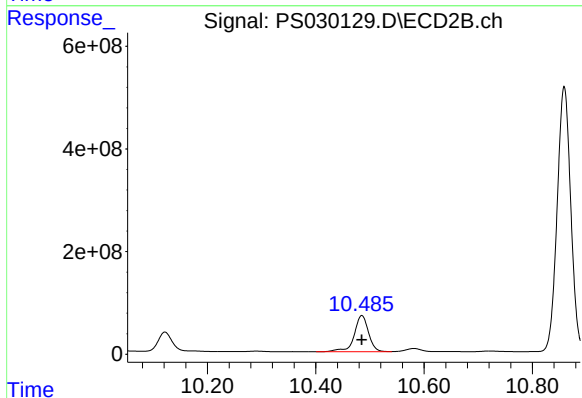
R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 12274774542
Conc: 1333.69 ng/ml



#13 2,4-DB

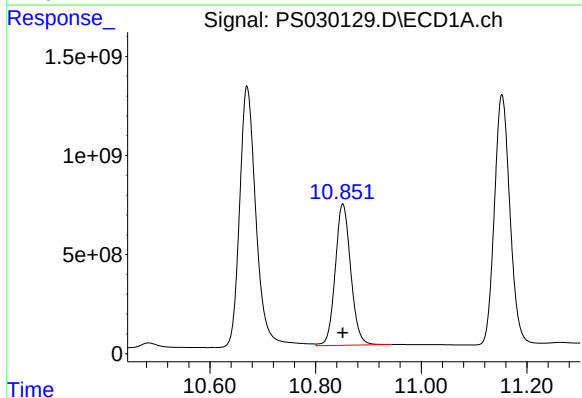
R.T.: 9.690 min
Delta R.T.: 0.000 min
Response: 3637060435
Conc: 1393.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



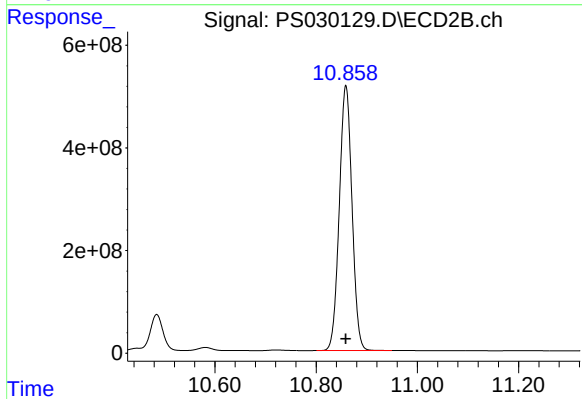
#13 2,4-DB

R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 1297822826
Conc: 1307.80 ng/ml



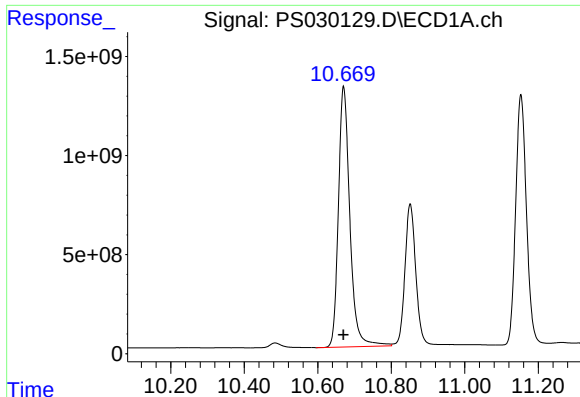
#14 DINOSEB

R.T.: 10.852 min
Delta R.T.: 0.000 min
Response: 14478196767
Conc: 1265.98 ng/ml



#14 DINOSEB

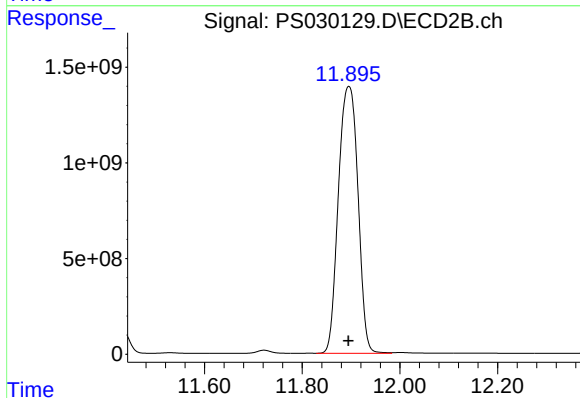
R.T.: 10.859 min
Delta R.T.: 0.000 min
Response: 8998743635
Conc: 1317.15 ng/ml



#15 Picloram

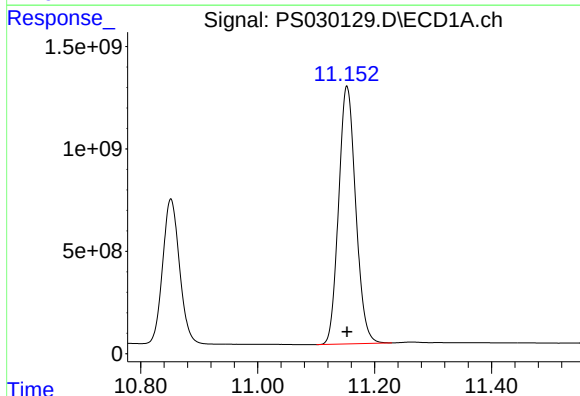
R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 28424643600
Conc: 1329.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



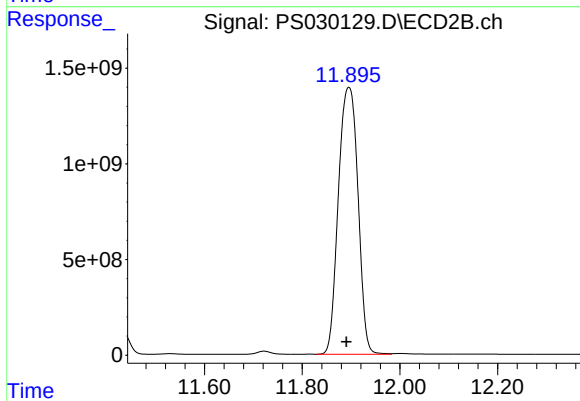
#15 Picloram

R.T.: 11.895 min
Delta R.T.: 0.000 min
Response: 38886027892
Conc: 2725.99 ng/ml



#16 DCPA

R.T.: 11.153 min
Delta R.T.: 0.000 min
Response: 25491307126
Conc: 1280.23 ng/ml



#16 DCPA

R.T.: 11.895 min
Delta R.T.: 0.005 min
Response: 38886027892
Conc: 2909.37 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030130.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 14:30
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ICVPS051225

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 03:44:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
4) S 2,4-DCAA	6.934	7.454	2000.1E6	576.9E6	702.326	720.970
Target Compounds						
1) T Dalapon	2.446	2.520	3076.9E6	1314.3E6	625.967	647.108
2) T 3,5-DICHL...	6.139	6.453	2750.7E6	760.8E6	659.557	652.607
3) T 4-Nitroph...	6.724	6.989	1318.9E6	628.7E6	638.507	602.172
5) T DICAMBA	7.110	7.640	7834.8E6	3263.7E6	677.908	690.298
6) T MCPP	7.289	7.748	532.7E6	133.5E6	73.145	72.581
7) T MCPA	7.431	7.978	699.7E6	180.7E6	67.398	68.504
8) T DICHLORPROP	7.790	8.333	1940.1E6	796.8E6	664.107	674.472
9) T 2,4-D	8.010	8.645	2200.0E6	878.7E6	670.942	680.913
10) T Pentachlo...	8.287	9.145	28175.2E6	17257.0E6	695.670	699.091
11) T 2,4,5-TP ...	8.851	9.524	11116.5E6	6877.2E6	686.375	698.163
12) T 2,4,5-T	9.133	9.927	11274.6E6	6386.9E6	682.678	693.957
13) T 2,4-DB	9.691	10.486	1842.8E6	635.3E6	706.110	640.157
14) T DINOSEB	10.851	10.859	7678.7E6	4674.1E6	671.427	684.150
15) T Picloram	10.671	11.894	14927.7E6	20305.5E6	697.983	1442.857 #
16) T DCPA	11.153	11.894	13809.2E6	20305.5E6	693.529	1502.940 #

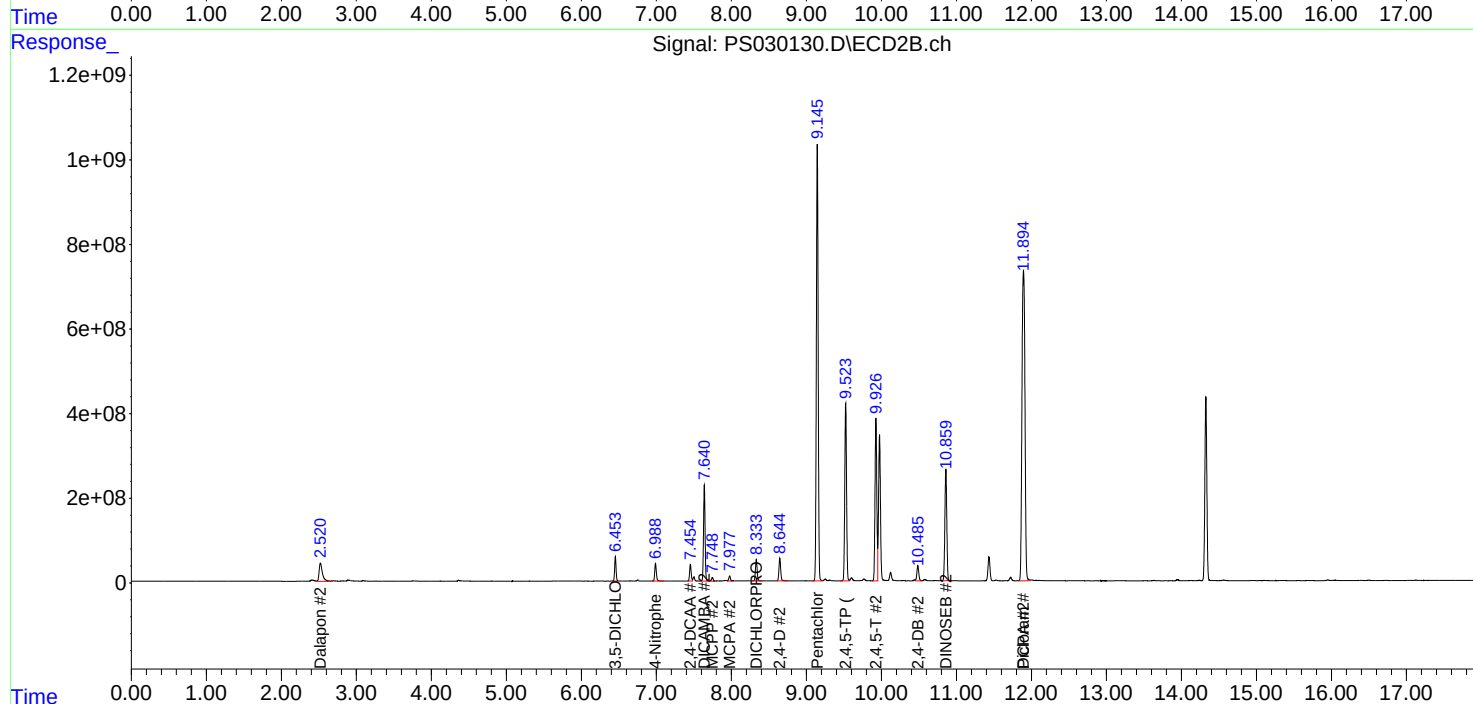
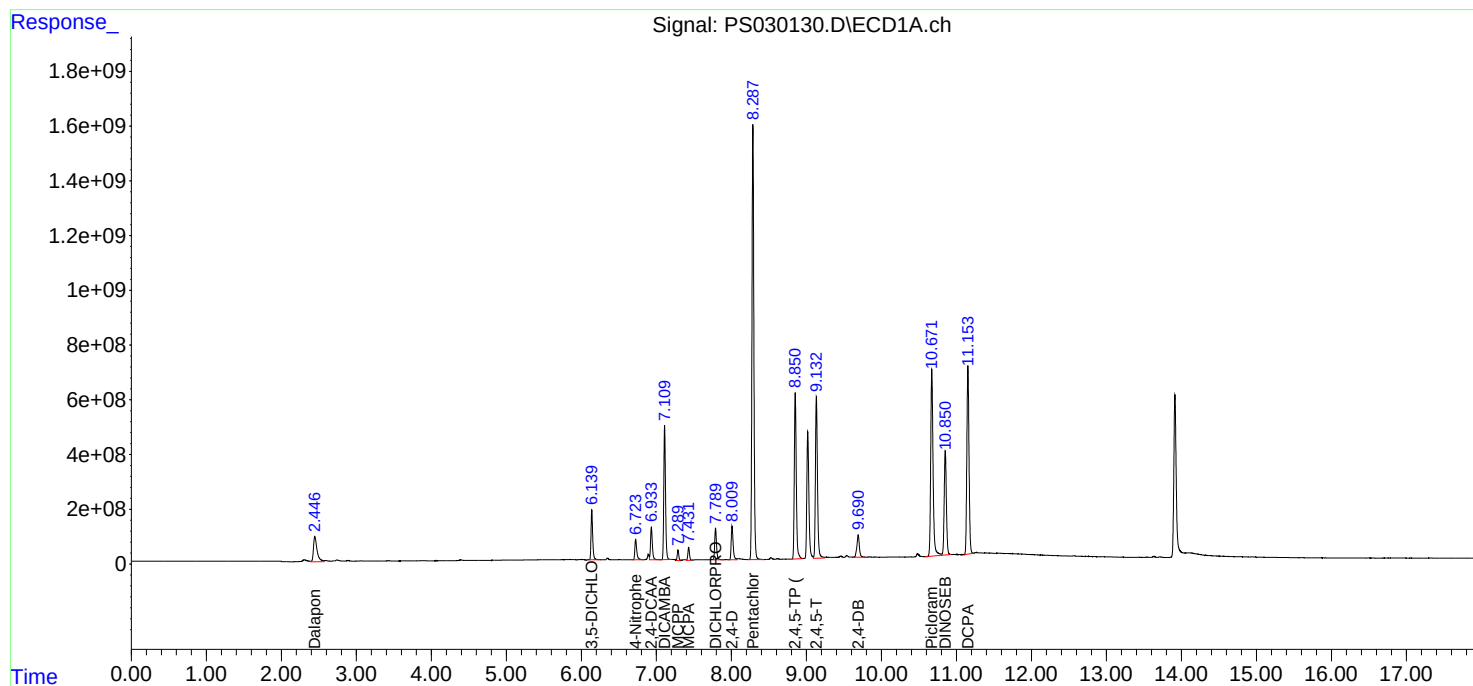
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

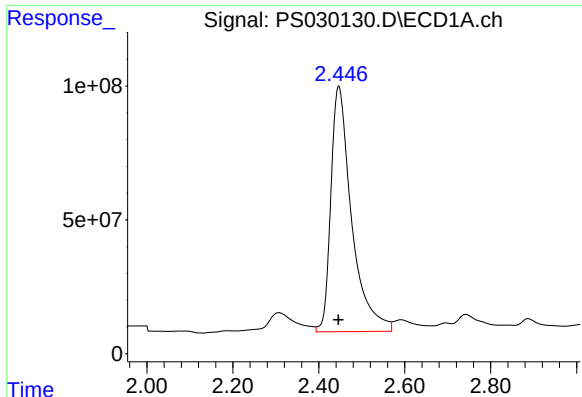
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:30
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS051225

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 03:44:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

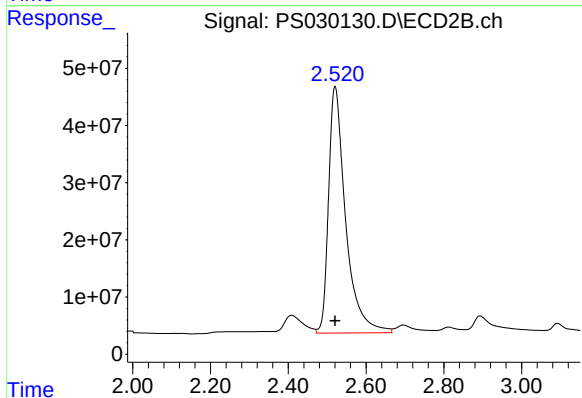




#1 Dalapon

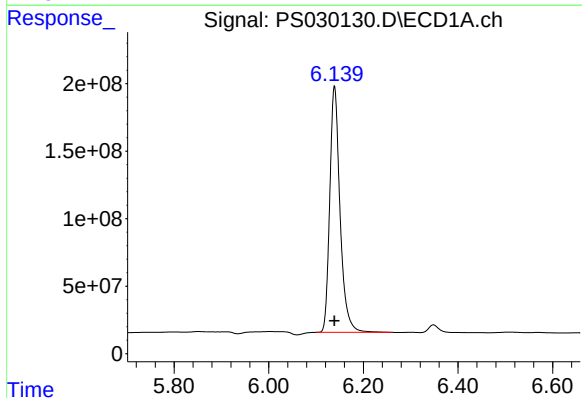
R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 3076854417
Conc: 625.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225



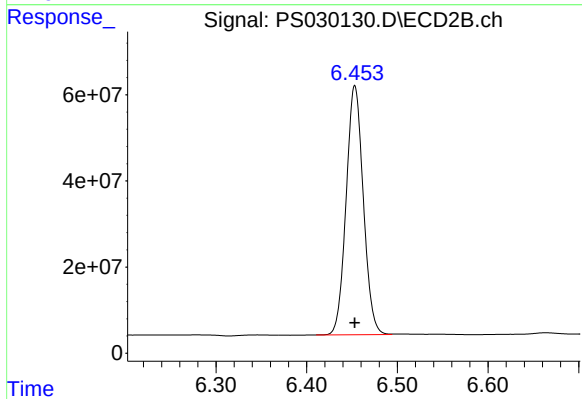
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 1314308835
Conc: 647.11 ng/ml



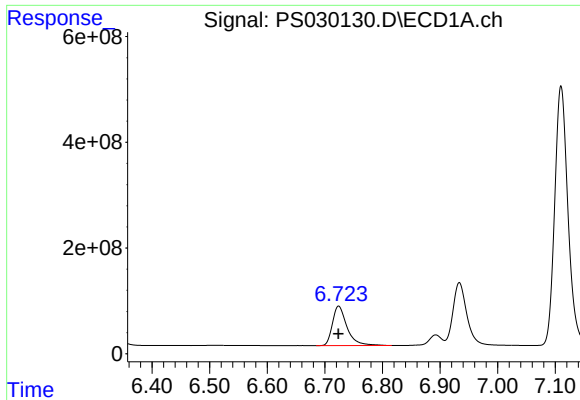
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 2750717381
Conc: 659.56 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

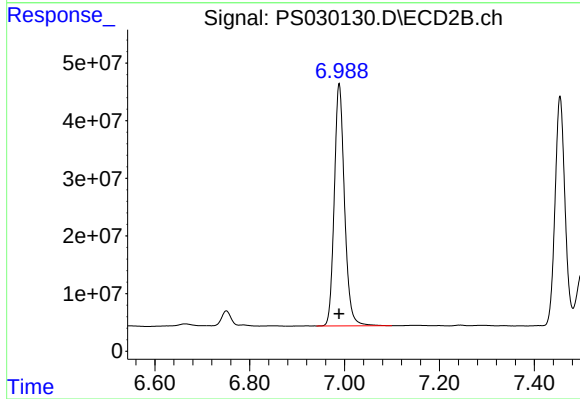
R.T.: 6.453 min
Delta R.T.: 0.000 min
Response: 760828672
Conc: 652.61 ng/ml



#3 4-Nitrophenol

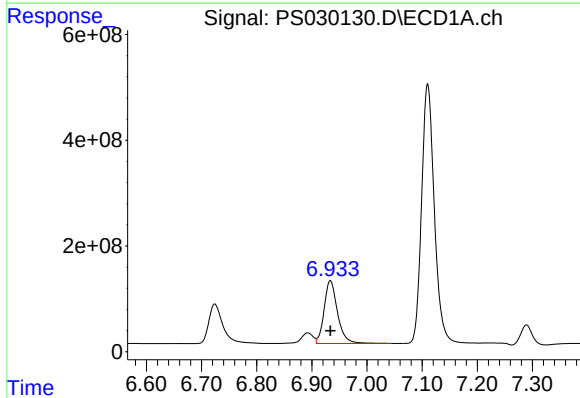
R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 1318908905
Conc: 638.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225



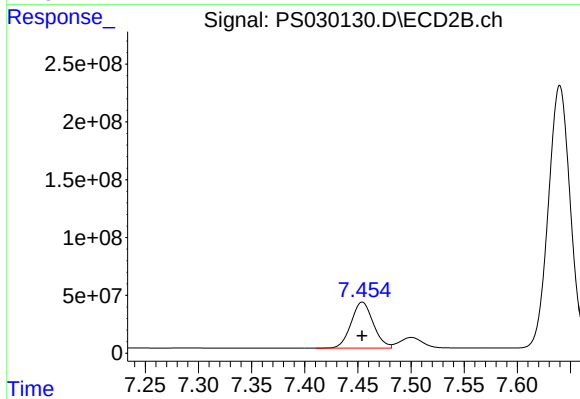
#3 4-Nitrophenol

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 628686597
Conc: 602.17 ng/ml



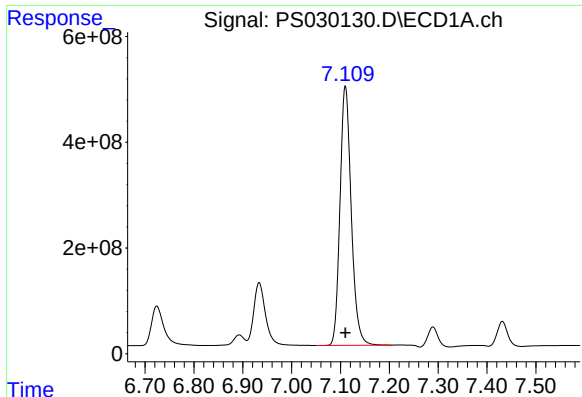
#4 2,4-DCAA

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 2000088764
Conc: 702.33 ng/ml



#4 2,4-DCAA

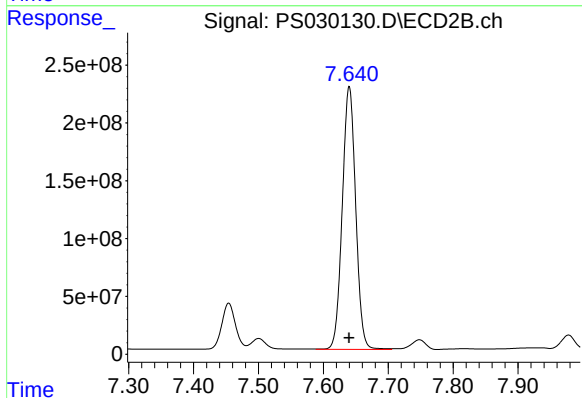
R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 576922713
Conc: 720.97 ng/ml



#5 DICAMBA

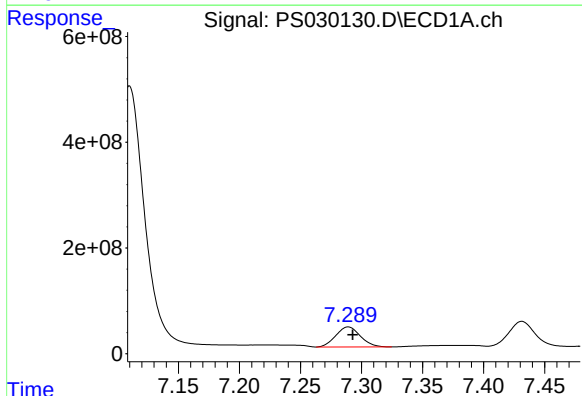
R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 7834826890
Conc: 677.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225



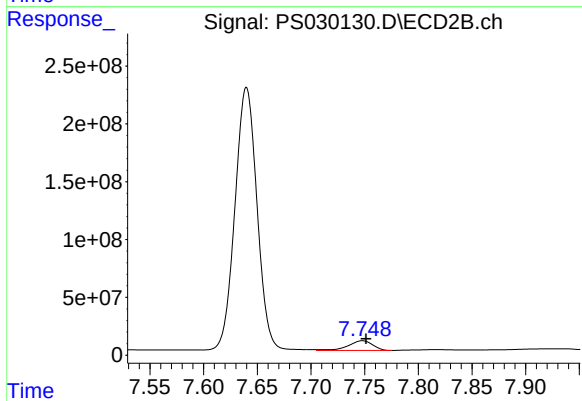
#5 DICAMBA

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 3263712835
Conc: 690.30 ng/ml



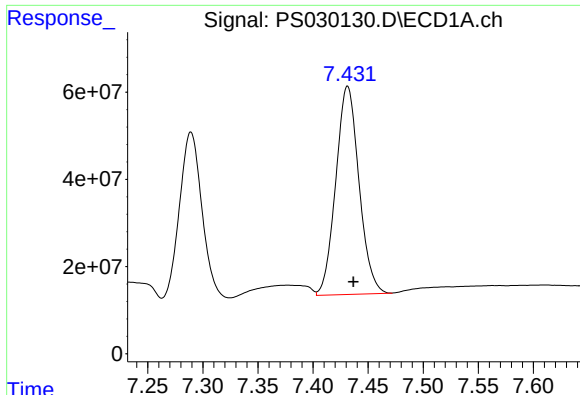
#6 MCP

R.T.: 7.289 min
Delta R.T.: -0.004 min
Response: 532690959
Conc: 73.14 ug/ml



#6 MCP

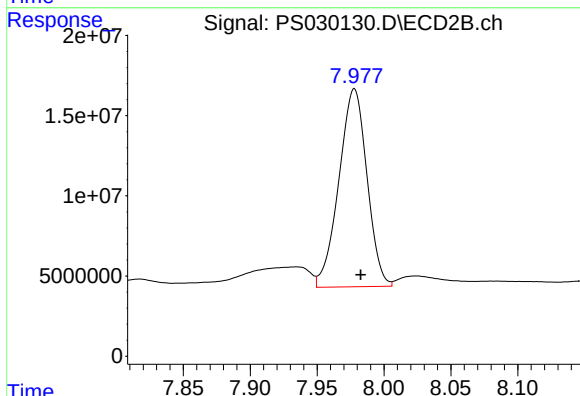
R.T.: 7.748 min
Delta R.T.: -0.003 min
Response: 133532347
Conc: 72.58 ug/ml



#7 MCPA

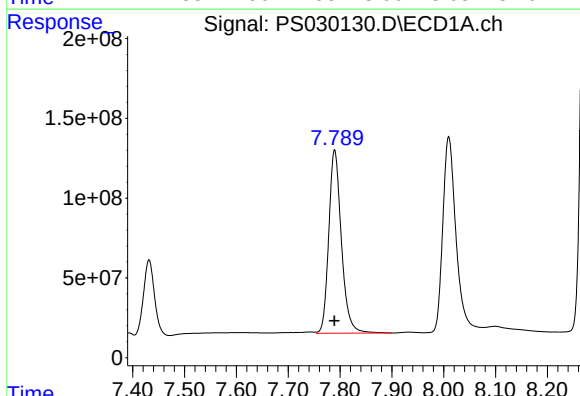
R.T.: 7.431 min
Delta R.T.: -0.005 min
Response: 699653234
Conc: 67.40 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225



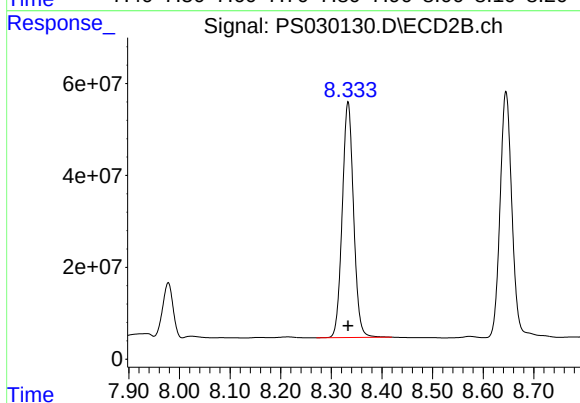
#7 MCPA

R.T.: 7.978 min
Delta R.T.: -0.005 min
Response: 180692602
Conc: 68.50 ug/ml



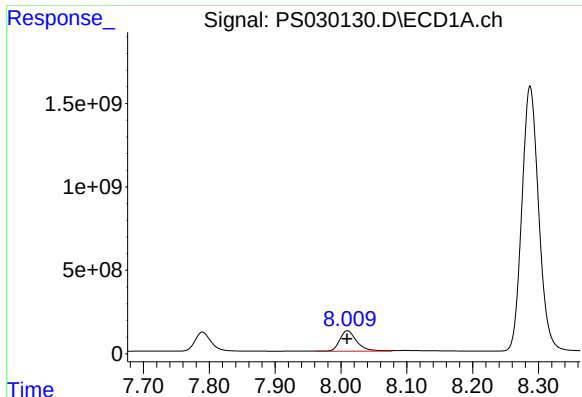
#8 DICHLORPROP

R.T.: 7.790 min
Delta R.T.: 0.000 min
Response: 1940086788
Conc: 664.11 ng/ml



#8 DICHLORPROP

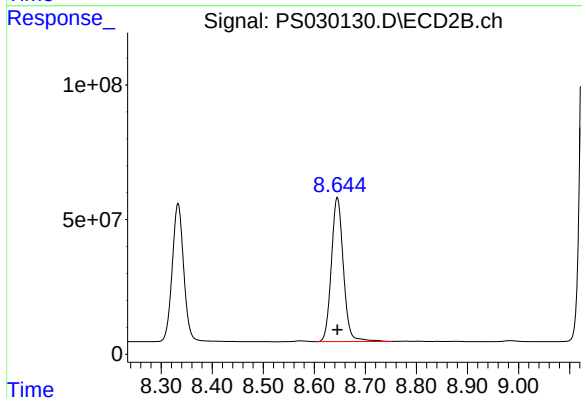
R.T.: 8.333 min
Delta R.T.: 0.000 min
Response: 796844019
Conc: 674.47 ng/ml



#9 2,4-D

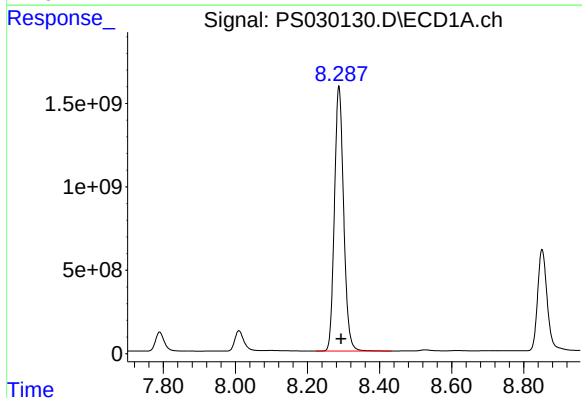
R.T.: 8.010 min
Delta R.T.: 0.000 min
Response: 2199974745
Conc: 670.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225



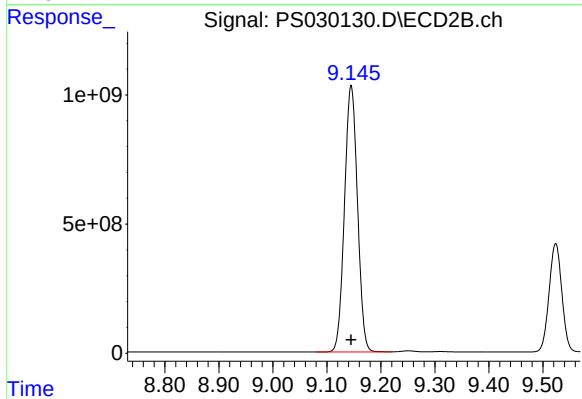
#9 2,4-D

R.T.: 8.645 min
Delta R.T.: 0.000 min
Response: 878719140
Conc: 680.91 ng/ml



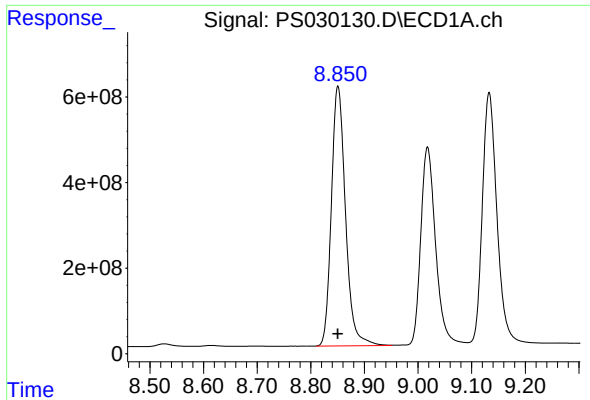
#10 Pentachlorophenol

R.T.: 8.287 min
Delta R.T.: -0.006 min
Response: 28175191156
Conc: 695.67 ng/ml



#10 Pentachlorophenol

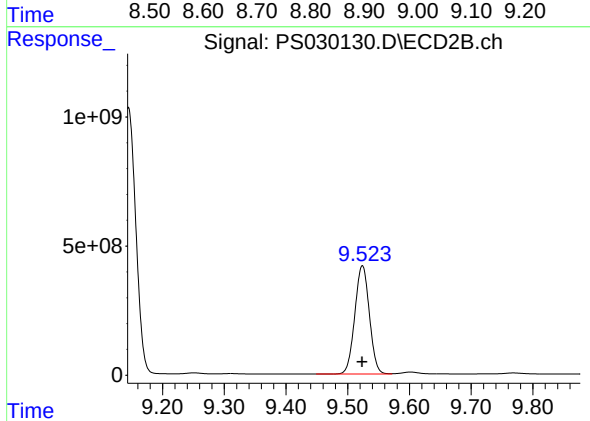
R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 17257037939
Conc: 699.09 ng/ml



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

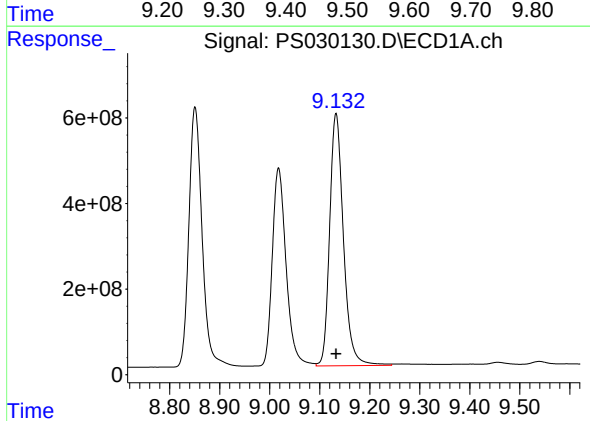
R.T.: 8.851 min
Delta R.T.: 0.000 min
Response: 11116517323
Conc: 686.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225



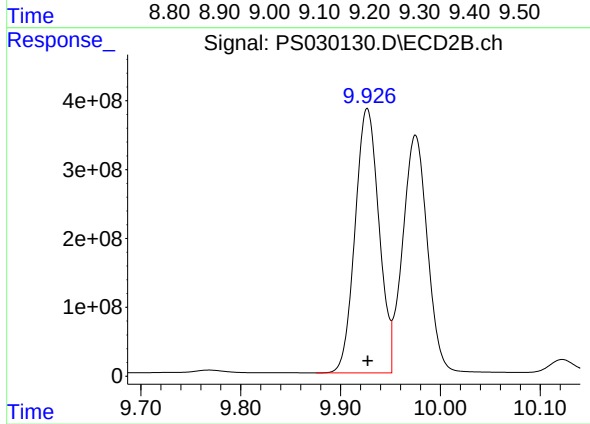
#11 2,4,5-TP (SILVEX)

R.T.: 9.524 min
Delta R.T.: 0.000 min
Response: 6877200404
Conc: 698.16 ng/ml



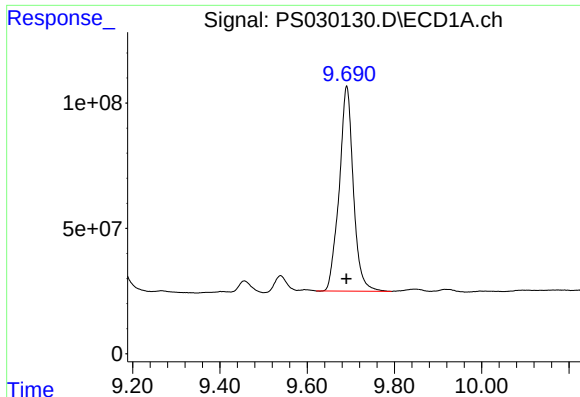
#12 2,4,5-T

R.T.: 9.133 min
Delta R.T.: 0.000 min
Response: 11274562336
Conc: 682.68 ng/ml



#12 2,4,5-T

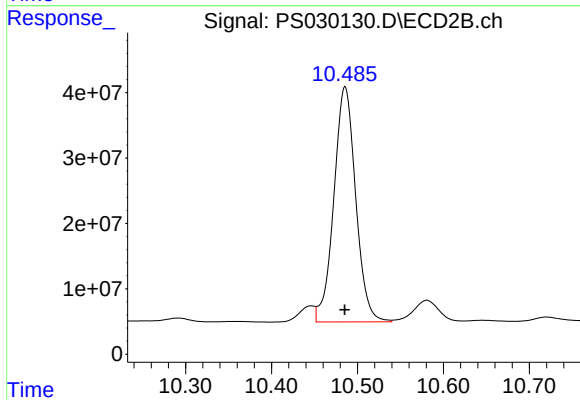
R.T.: 9.927 min
Delta R.T.: 0.000 min
Response: 6386908148
Conc: 693.96 ng/ml



#13 2,4-DB

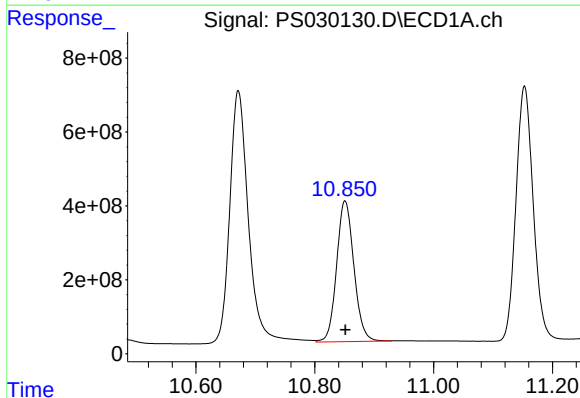
R.T.: 9.691 min
Delta R.T.: 0.000 min
Response: 1842786133
Conc: 706.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225



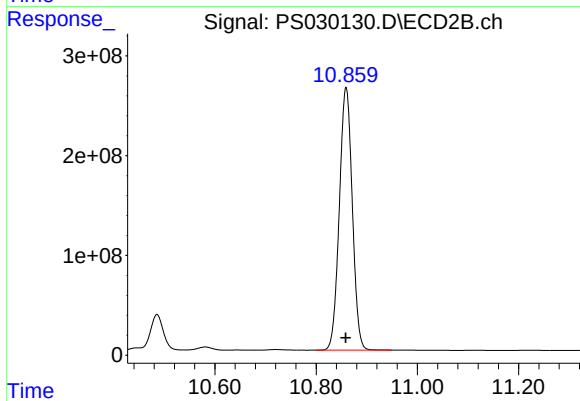
#13 2,4-DB

R.T.: 10.486 min
Delta R.T.: 0.000 min
Response: 635273485
Conc: 640.16 ng/ml



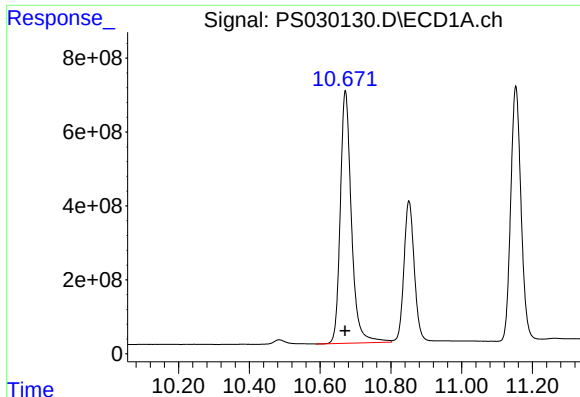
#14 DINOSEB

R.T.: 10.851 min
Delta R.T.: 0.000 min
Response: 7678679118
Conc: 671.43 ng/ml



#14 DINOSEB

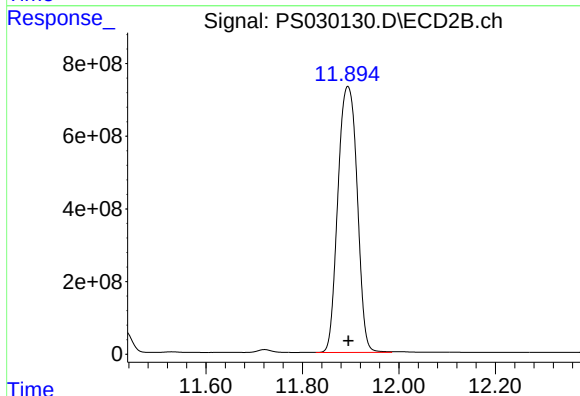
R.T.: 10.859 min
Delta R.T.: 0.000 min
Response: 4674103206
Conc: 684.15 ng/ml



#15 Picloram

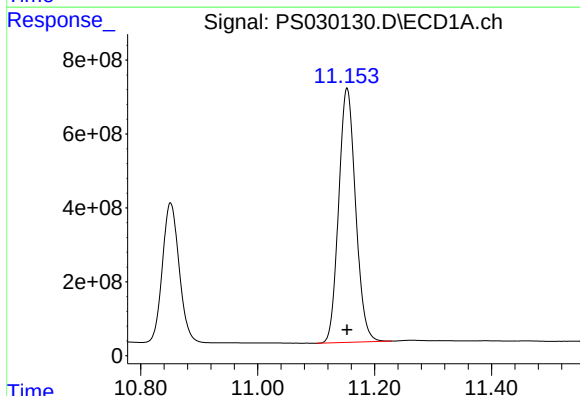
R.T.: 10.671 min
Delta R.T.: 0.001 min
Response: 14927746016
Conc: 697.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS051225



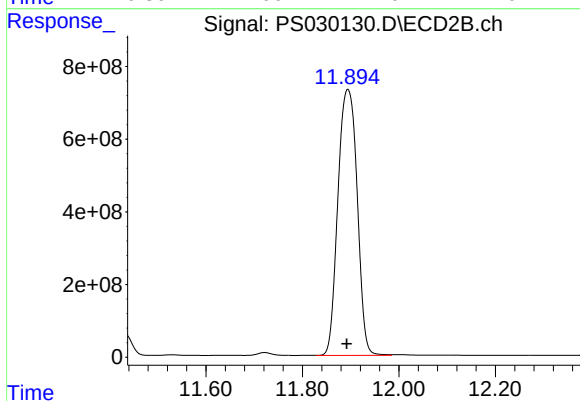
#15 Picloram

R.T.: 11.894 min
Delta R.T.: 0.000 min
Response: 20305497917
Conc: 1442.86 ng/ml



#16 DCPA

R.T.: 11.153 min
Delta R.T.: 0.000 min
Response: 13809186596
Conc: 693.53 ng/ml



#16 DCPA

R.T.: 11.894 min
Delta R.T.: 0.002 min
Response: 20305497917
Conc: 1502.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030235.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 15:42
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:19:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.932	7.447	1284.6E6	400.6E6	451.085	500.562
Target Compounds							
1) T	Dalapon	2.438	2.565f	20635033	12257021	4.198	6.035 #
2) T	3,5-DICHL...	6.148	0.000	4051370	0	<MDL	N.D. #
3) T	4-Nitroph...	6.719	6.966	45534823	10127151	22.044	9.700 #
5) T	DICAMBA	7.122	7.620	576132	16135772	<MDL	3.413 #
6) T	MCPD	7.273	7.726f	90713	15135013	<MDL	8.227 #
7) T	MCPA	7.450	7.938f	4693576	36296532	<MDL	13.761 #
8) T	DICHLORPROP	7.787	8.346	62167633	20455987	21.280	17.315
9) T	2,4-D	8.005	8.672f	85239242	2300690	25.996	1.783 #
10) T	Pentachlo...	8.260f	0.000	23640572	0	<MDL	N.D. #
11) T	2,4,5-TP ...	8.886f	9.514	18169415	3204232	1.122	<MDL #
12) T	2,4,5-T	9.163f	9.920	3567092	4174327	<MDL	<MDL #
13) T	2,4-DB	9.689	0.000	77524	0	<MDL	N.D. #
14) T	DINOSEB	10.827	0.000	1134777	0	<MDL	N.D. #
15) T	Picloram	10.674	11.894	24861223	60052301	1.162	4.267 #
16) T	DCPA	11.148	11.894	104317	60052301	<MDL	4.445 #

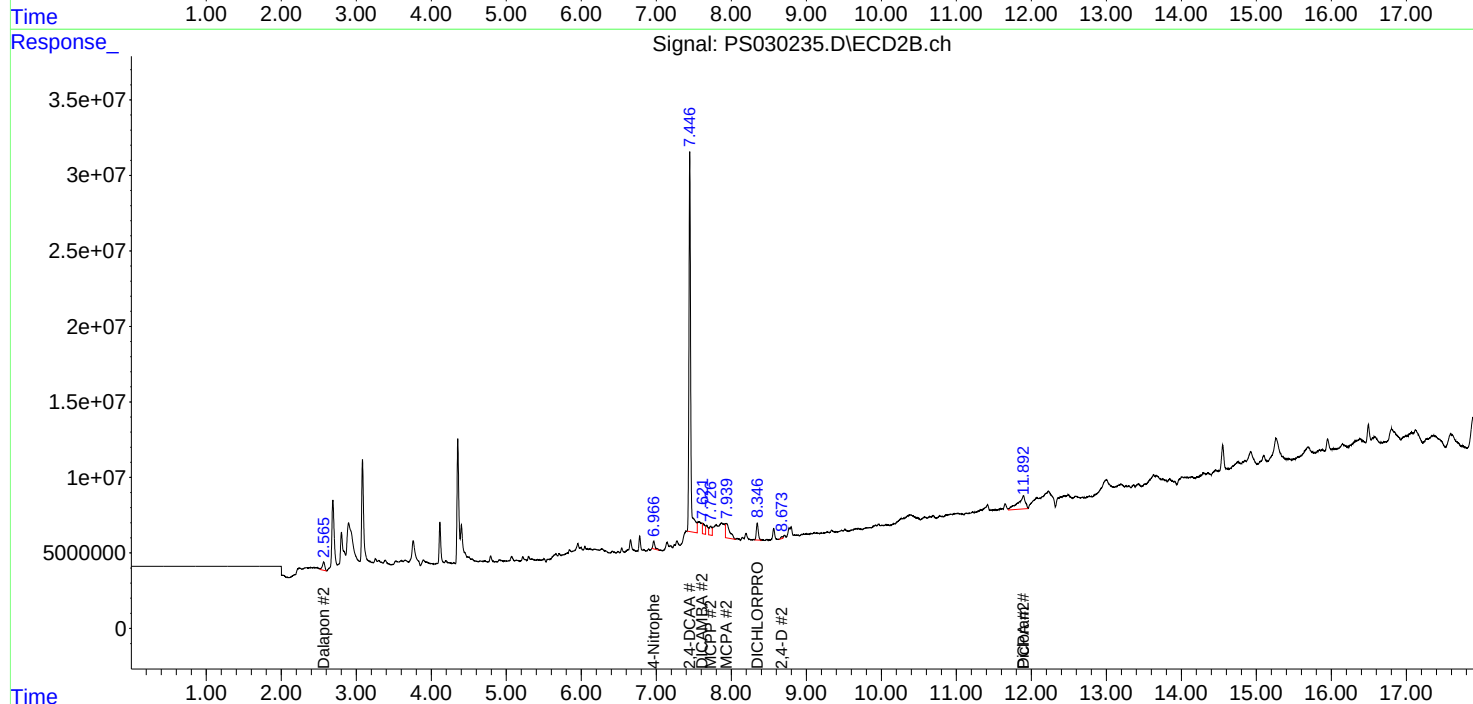
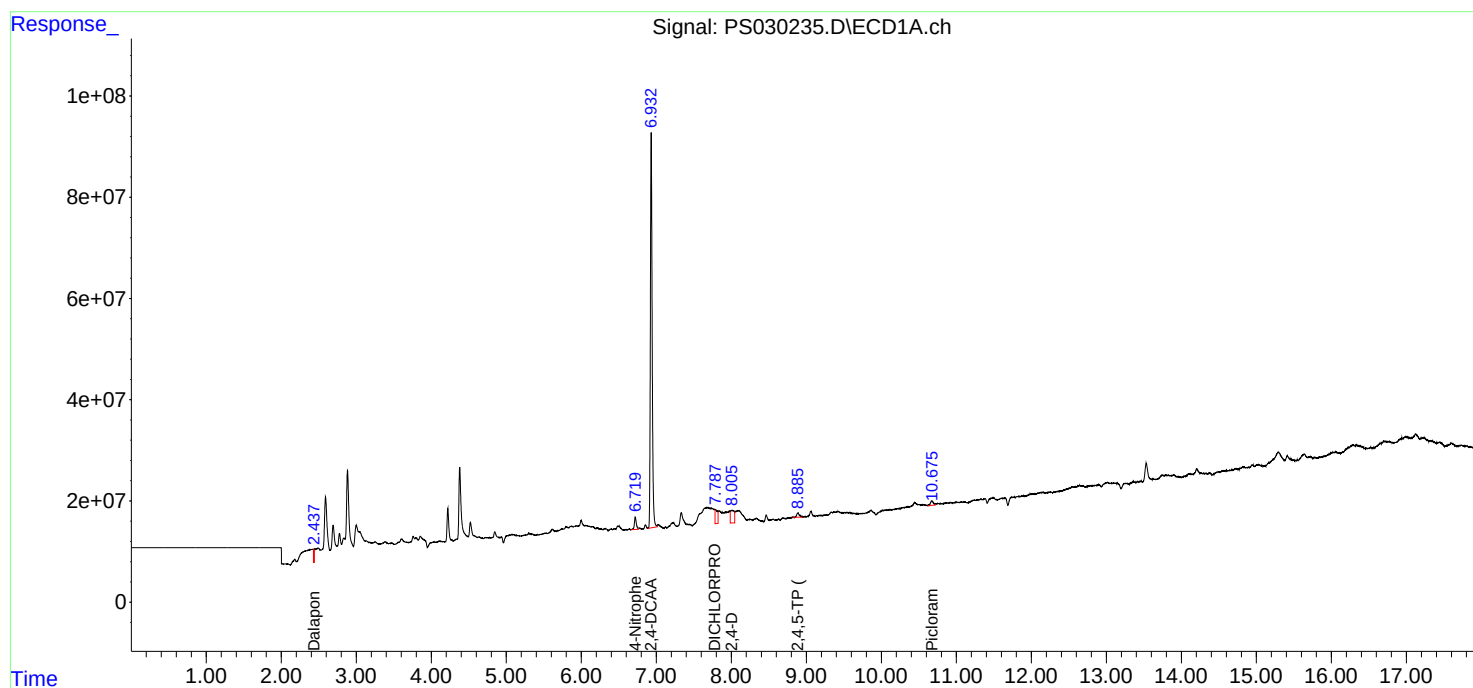
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

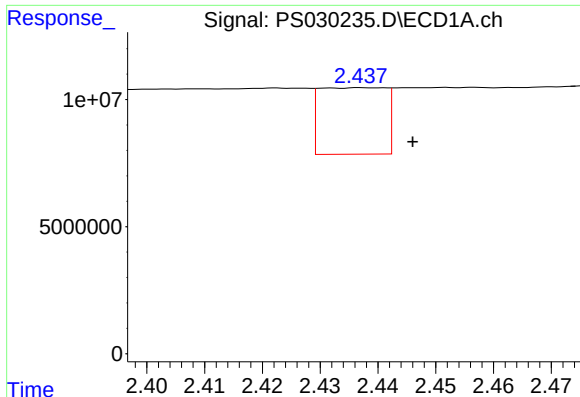
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 15:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:19:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

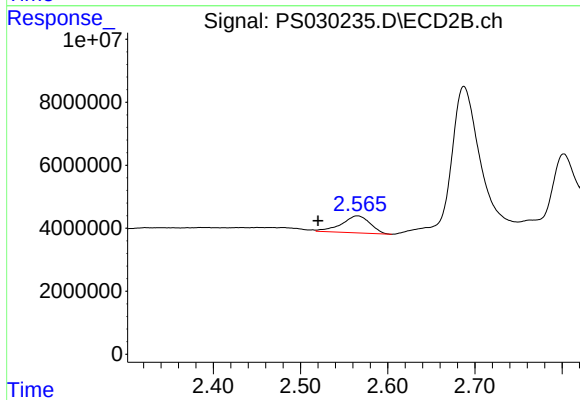




#1 Dalapon

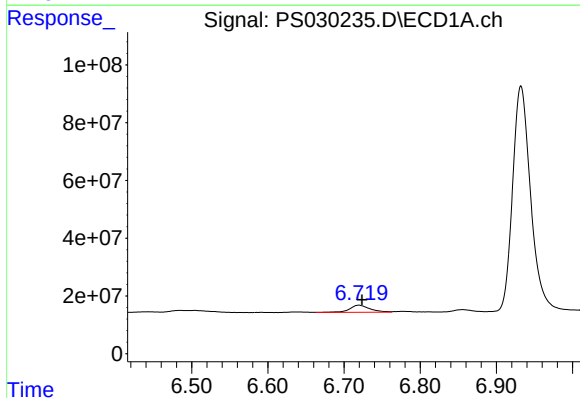
R.T.: 2.438 min
Delta R.T.: -0.008 min
Response: 20635033
Conc: 4.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



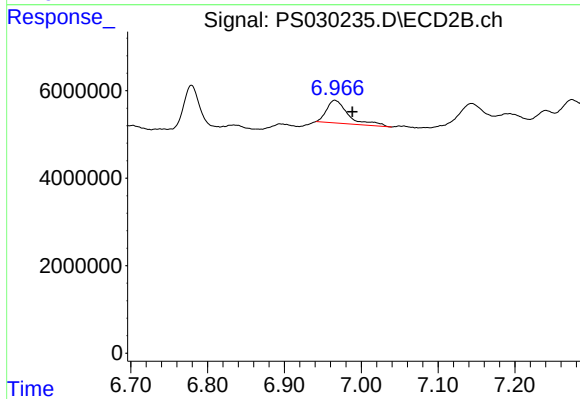
#1 Dalapon

R.T.: 2.565 min
Delta R.T.: 0.045 min
Response: 12257021
Conc: 6.03 ng/ml



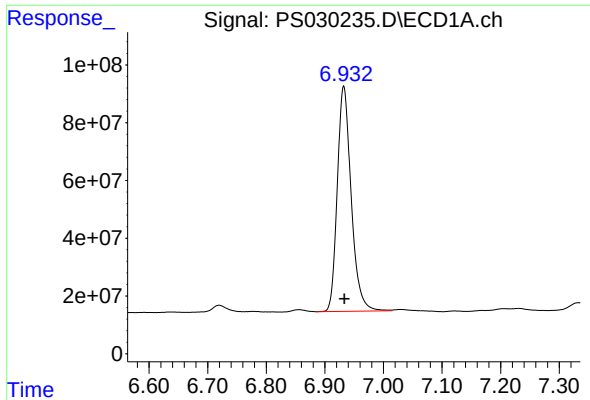
#3 4-Nitrophenol

R.T.: 6.719 min
Delta R.T.: -0.004 min
Response: 45534823
Conc: 22.04 ng/ml



#3 4-Nitrophenol

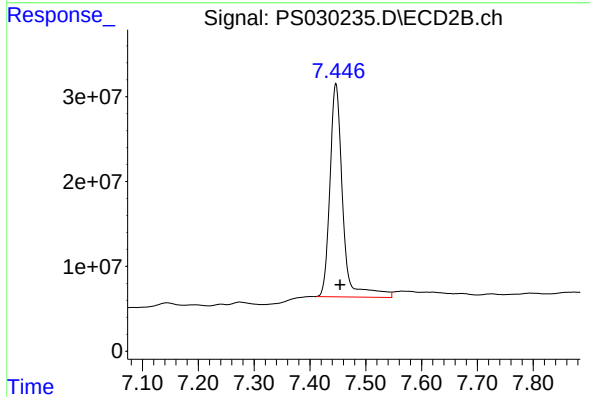
R.T.: 6.966 min
Delta R.T.: -0.023 min
Response: 10127151
Conc: 9.70 ng/ml



#4 2,4-DCAA

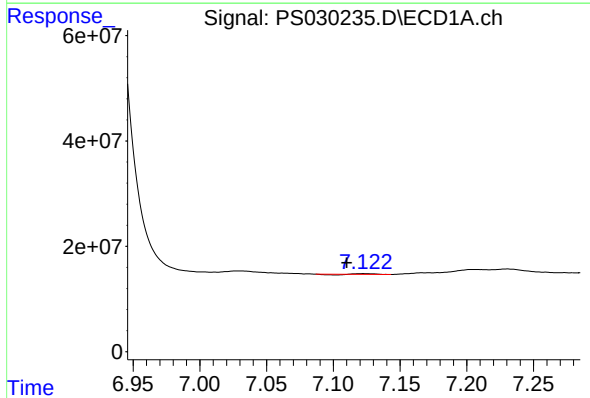
R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 1284604871
Conc: 451.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



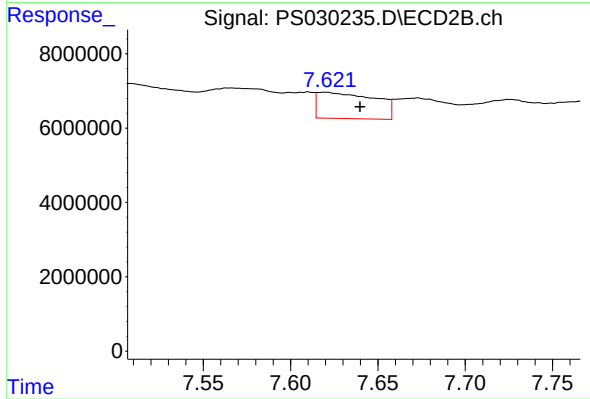
#4 2,4-DCAA

R.T.: 7.447 min
Delta R.T.: -0.007 min
Response: 400551208
Conc: 500.56 ng/ml



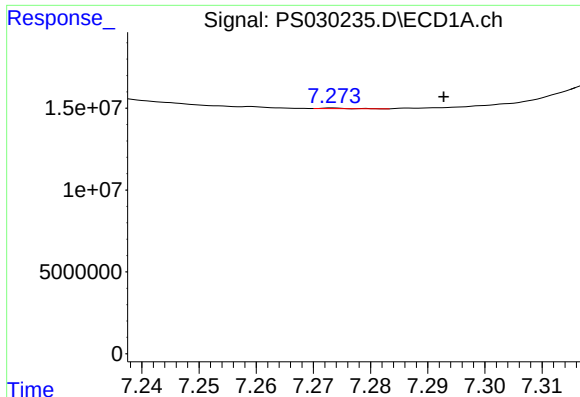
#5 DICAMBA

R.T.: 7.122 min
Delta R.T.: 0.012 min
Response: 576132
Conc: N.D.



#5 DICAMBA

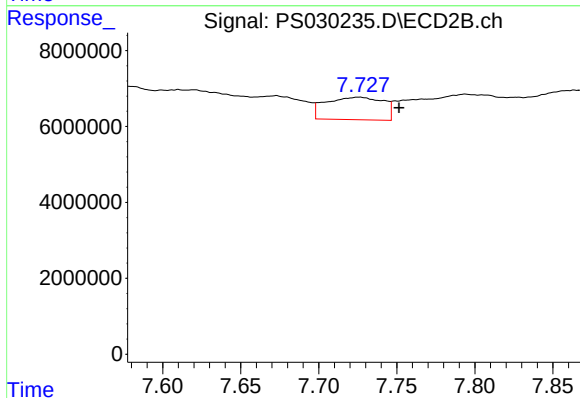
R.T.: 7.620 min
Delta R.T.: -0.020 min
Response: 16135772
Conc: 3.41 ng/ml



#6 MCPP

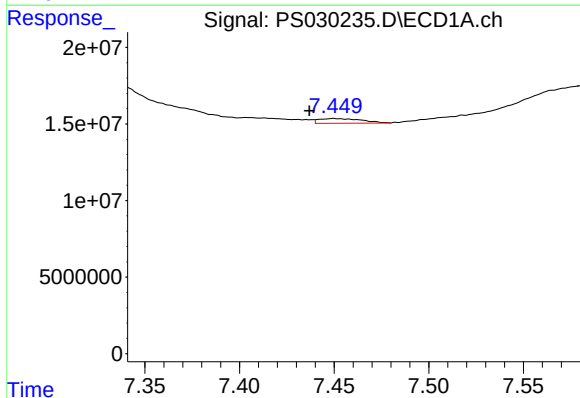
R.T.: 7.273 min
Delta R.T.: -0.019 min
Response: 90713
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
I.BLK



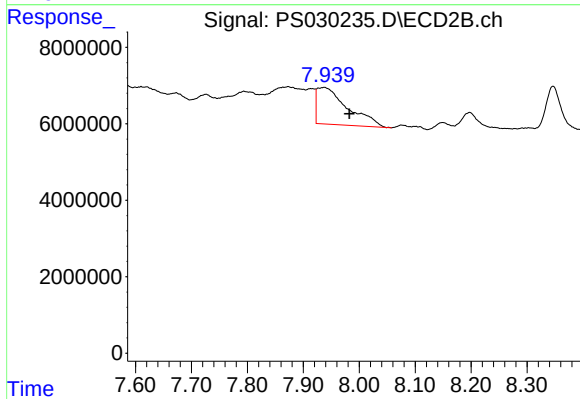
#6 MCPP

R.T.: 7.726 min
Delta R.T.: -0.026 min
Response: 15135013
Conc: 8.23 ug/ml



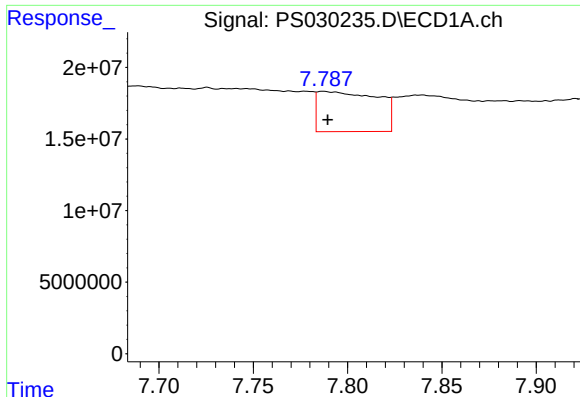
#7 MCPA

R.T.: 7.450 min
Delta R.T.: 0.013 min
Response: 4693576
Conc: N.D.



#7 MCPA

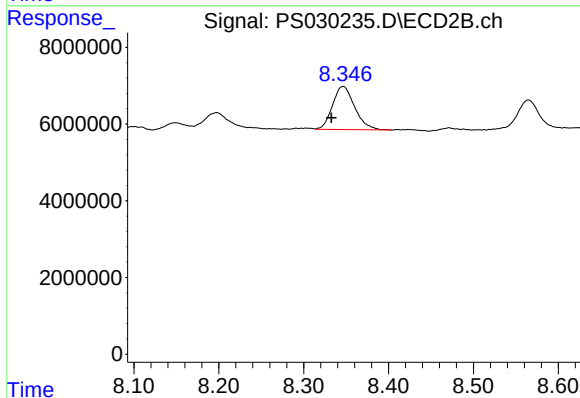
R.T.: 7.938 min
Delta R.T.: -0.045 min
Response: 36296532
Conc: 13.76 ug/ml



#8 DICHLORPROP

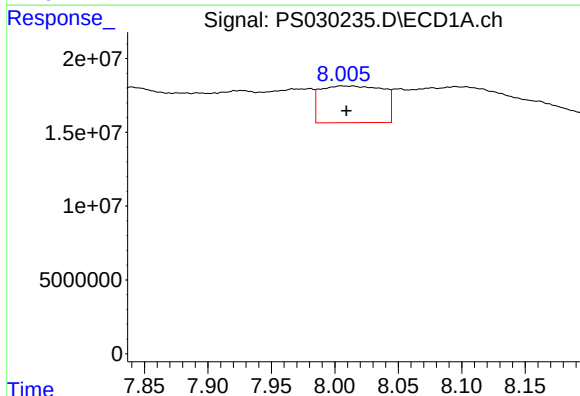
R.T.: 7.787 min
Delta R.T.: -0.002 min
Response: 62167633
Conc: 21.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



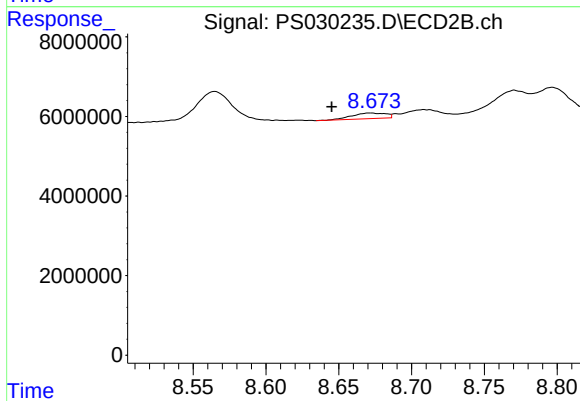
#8 DICHLORPROP

R.T.: 8.346 min
Delta R.T.: 0.014 min
Response: 20455987
Conc: 17.31 ng/ml



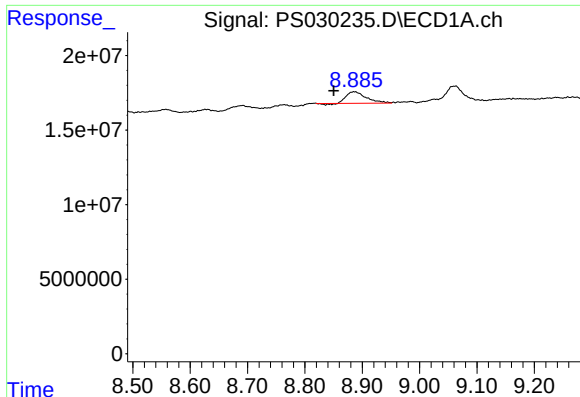
#9 2,4-D

R.T.: 8.005 min
Delta R.T.: -0.004 min
Response: 85239242
Conc: 26.00 ng/ml



#9 2,4-D

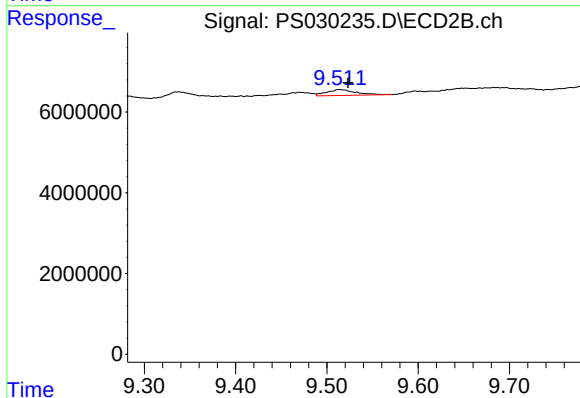
R.T.: 8.672 min
Delta R.T.: 0.027 min
Response: 2300690
Conc: 1.78 ng/ml



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

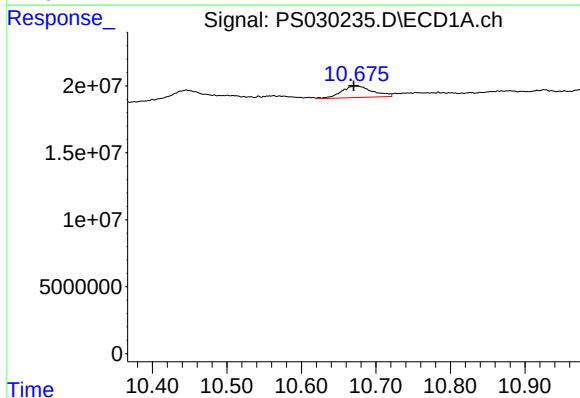
R.T.: 8.886 min
Delta R.T.: 0.035 min
Response: 18169415
Conc: 1.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



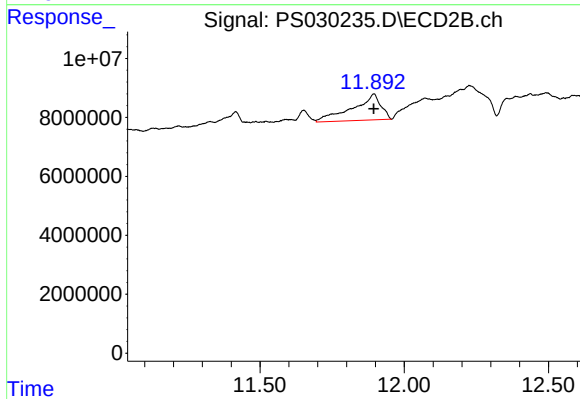
#11 2,4,5-TP (SILVEX)

R.T.: 9.514 min
Delta R.T.: -0.010 min
Response: 3204232
Conc: N.D.



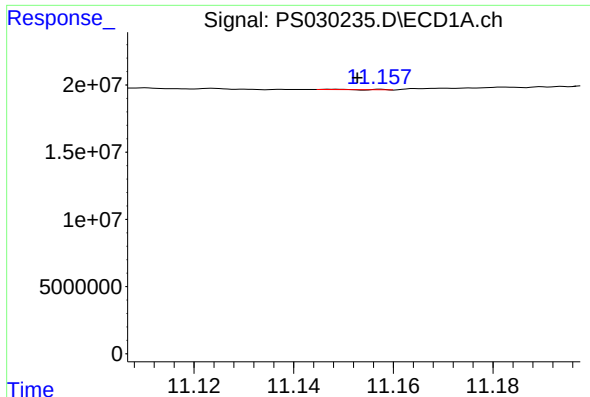
#15 Picloram

R.T.: 10.674 min
Delta R.T.: 0.004 min
Response: 24861223
Conc: 1.16 ng/ml



#15 Picloram

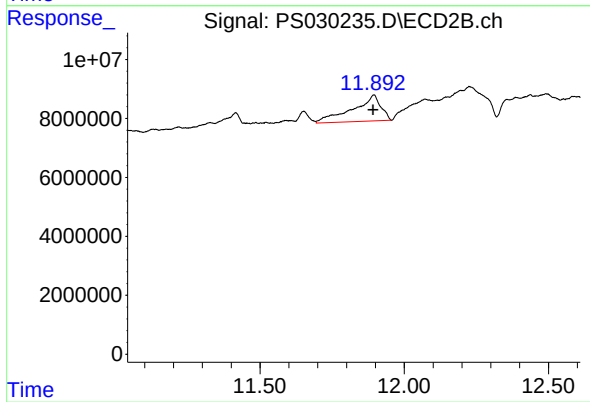
R.T.: 11.894 min
Delta R.T.: 0.000 min
Response: 60052301
Conc: 4.27 ng/ml



#16 DCPA

R.T.: 11.148 min
Delta R.T.: -0.005 min
Response: 104317
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
I.BLK



#16 DCPA

R.T.: 11.894 min
Delta R.T.: 0.003 min
Response: 60052301
Conc: 4.44 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030236.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 16:06
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:19:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.932	7.451	2091.4E6	594.7E6	734.393	743.232
Target Compounds							
1) T	Dalapon	2.446	2.519	3262.5E6	1361.9E6	663.733	670.552
2) T	3,5-DICHL...	6.137	6.451	2843.6E6	782.6E6	681.823	671.244
3) T	4-Nitroph...	6.723	6.986	1400.0E6	649.7E6	677.752	622.335
5) T	DICAMBA	7.109	7.636	8092.2E6	3397.0E6	700.173	718.482
6) T	MCPD	7.288	7.745	549.4E6	129.5E6	75.436	70.384
7) T	MCPA	7.430	7.975	724.1E6	171.7E6	69.758	65.077
8) T	DICHLORPROP	7.789	8.329	2010.7E6	814.4E6	688.272	689.297
9) T	2,4-D	8.008	8.641	2264.9E6	917.4E6	690.733	710.882
10) T	Pentachlo...	8.286	9.141	28886.5E6	18028.4E6	713.233	730.340
11) T	2,4,5-TP ...	8.849	9.519	11460.4E6	7121.8E6	707.607	722.990
12) T	2,4,5-T	9.131	9.923	11688.3E6	6625.7E6	707.730	719.899
13) T	2,4-DB	9.689	10.481	1966.4E6	661.2E6	753.459	666.277
14) T	DINOSEB	10.850	10.855	7795.4E6	4796.0E6	681.631	701.991
15) T	Picloram	10.670	11.890	15214.0E6	20610.4E6	711.368	1464.521 #
16) T	DCPA	11.151	11.890	13929.4E6	20610.4E6	699.568	1525.506 #

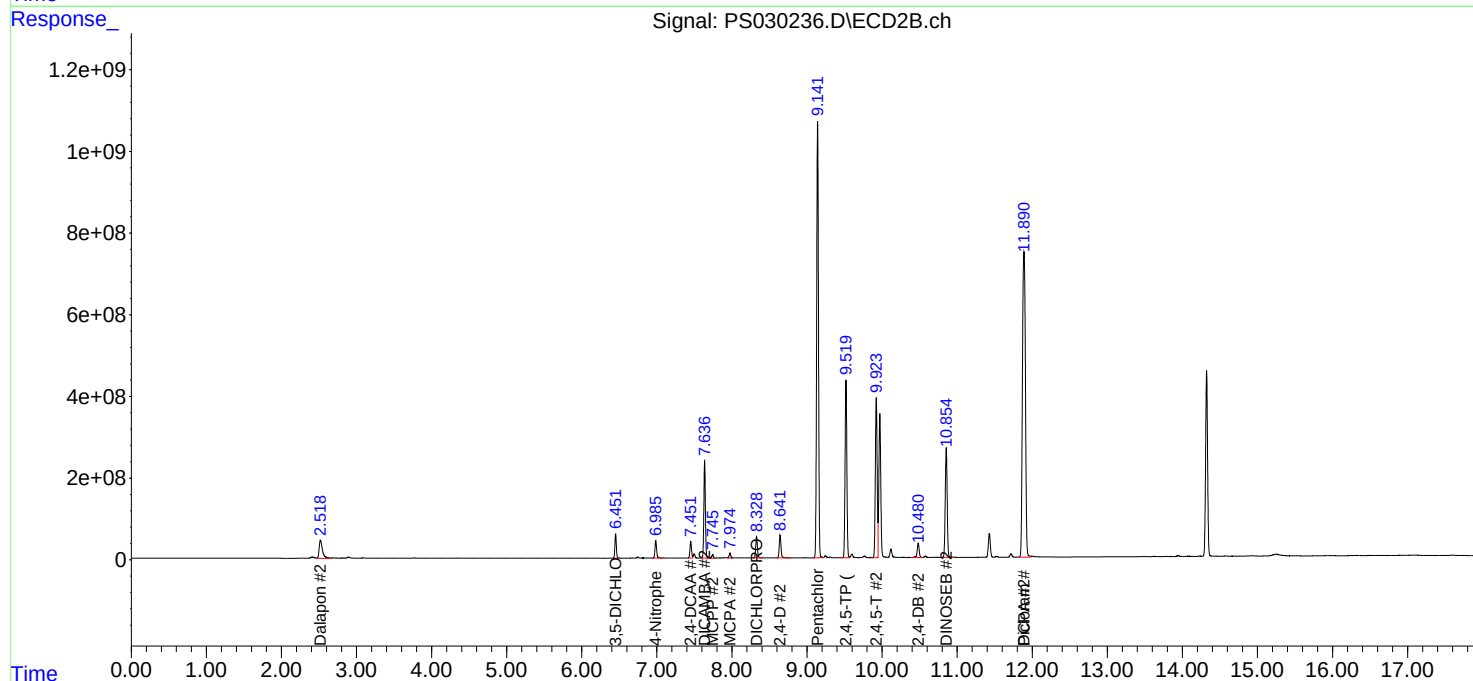
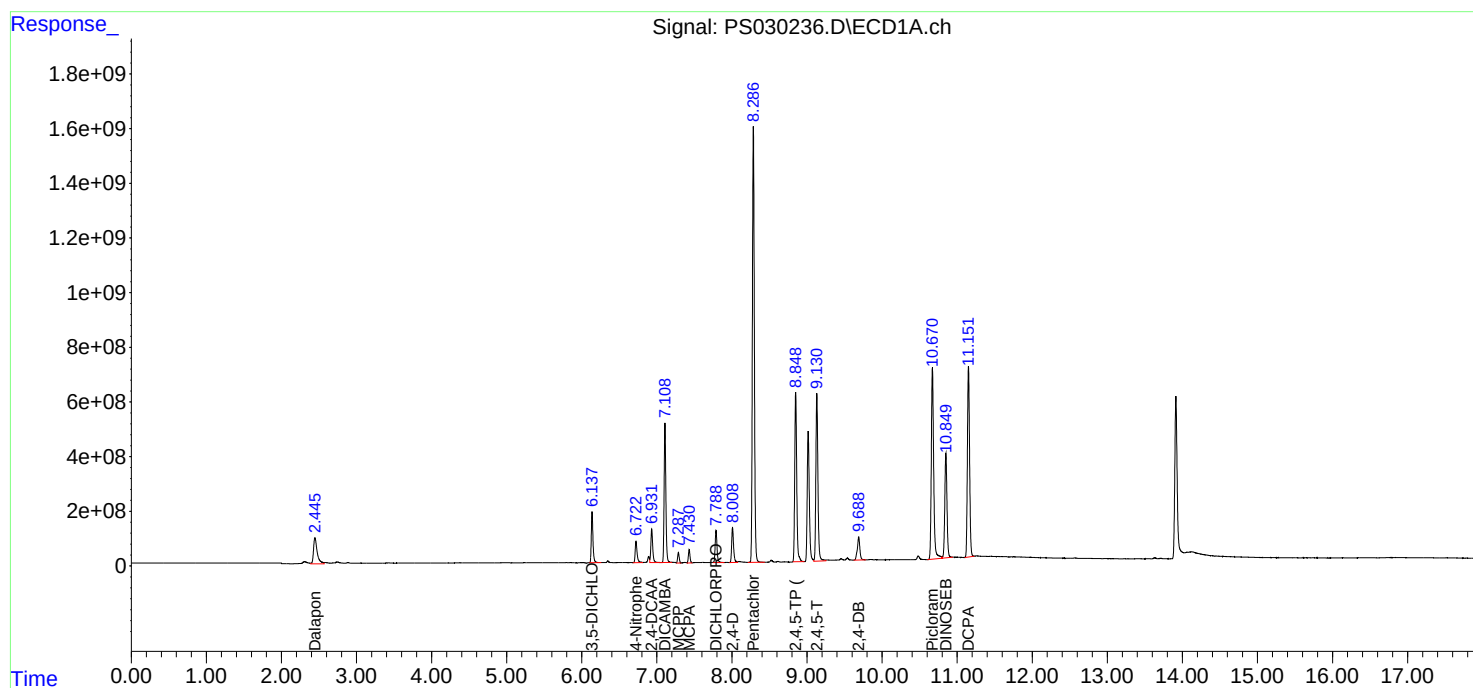
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

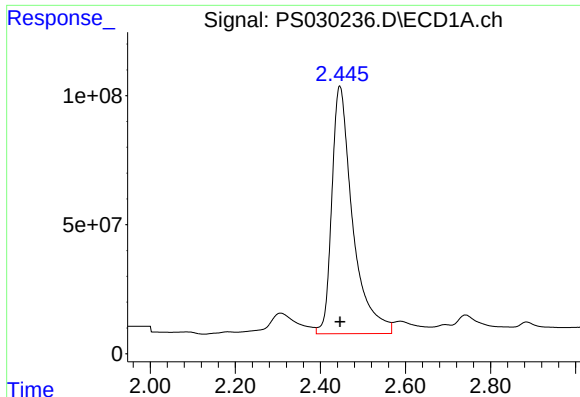
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:06
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:19:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

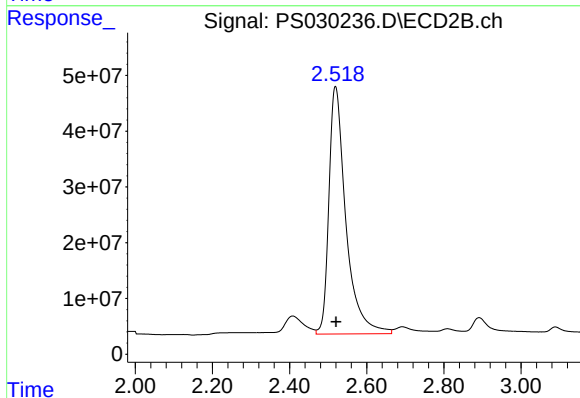




#1 Dalapon

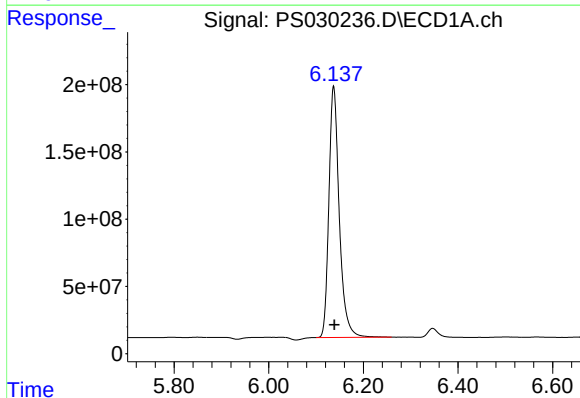
R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 3262487905
Conc: 663.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



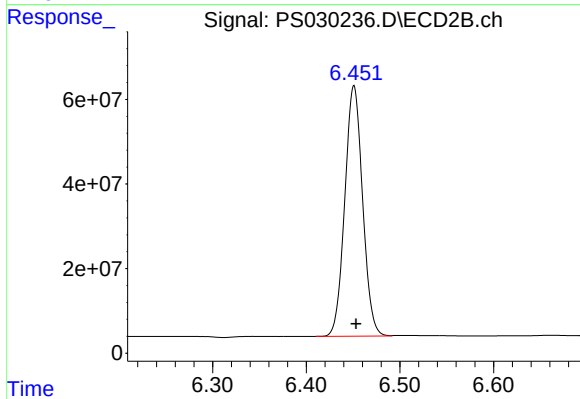
#1 Dalapon

R.T.: 2.519 min
Delta R.T.: -0.001 min
Response: 1361924349
Conc: 670.55 ng/ml



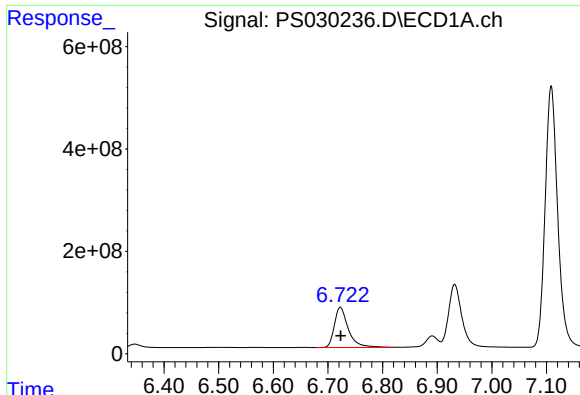
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.137 min
Delta R.T.: -0.001 min
Response: 2843577490
Conc: 681.82 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

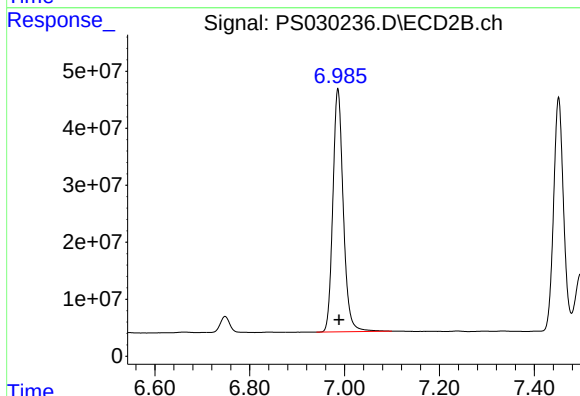
R.T.: 6.451 min
Delta R.T.: -0.002 min
Response: 782556701
Conc: 671.24 ng/ml



#3 4-Nitrophenol

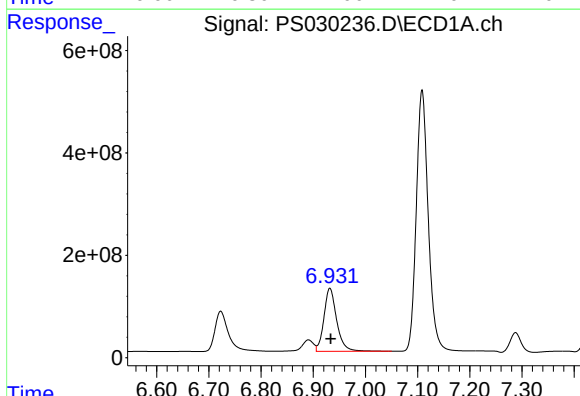
R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 1399973086
Conc: 677.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



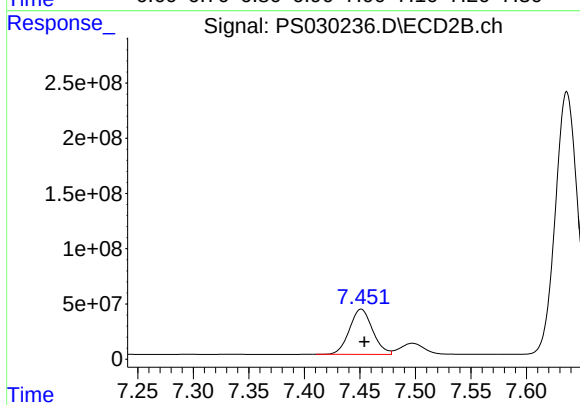
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.003 min
Response: 649737880
Conc: 622.34 ng/ml



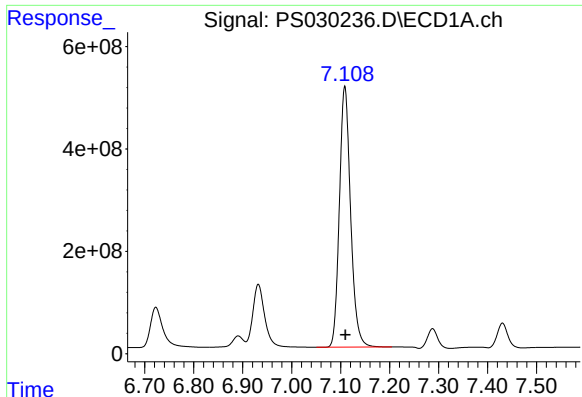
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 2091410731
Conc: 734.39 ng/ml



#4 2,4-DCAA

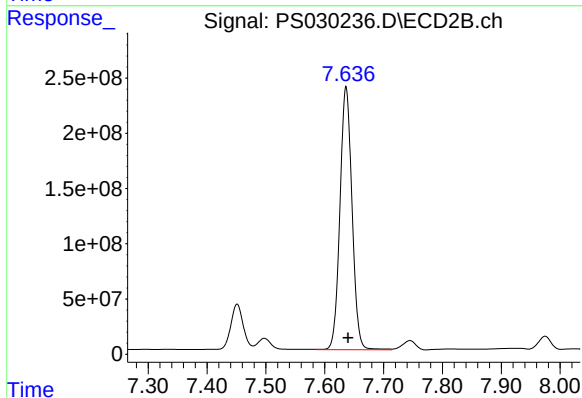
R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 594736576
Conc: 743.23 ng/ml



#5 DICAMBA

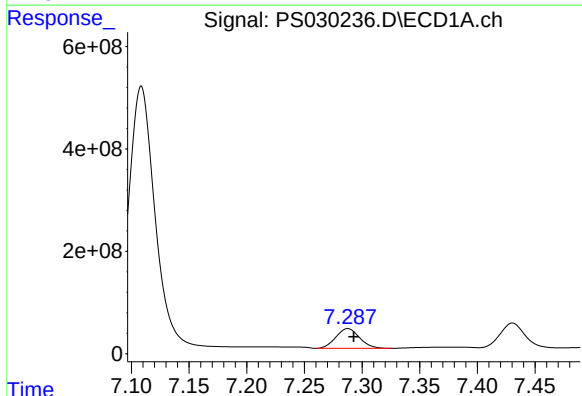
R.T.: 7.109 min
Delta R.T.: -0.002 min
Response: 8092159153
Conc: 700.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



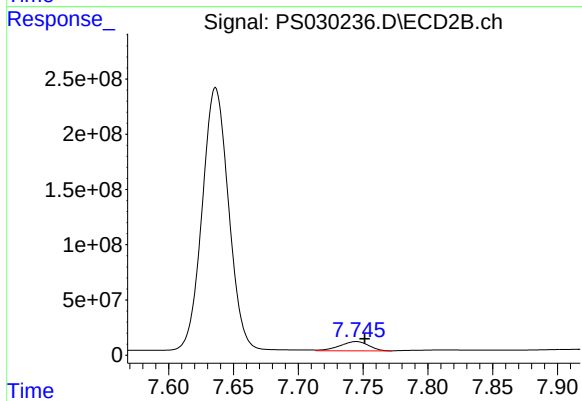
#5 DICAMBA

R.T.: 7.636 min
Delta R.T.: -0.004 min
Response: 3396967833
Conc: 718.48 ng/ml



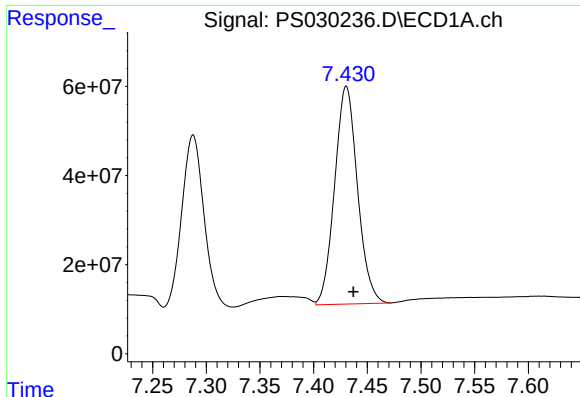
#6 MCP

R.T.: 7.288 min
Delta R.T.: -0.005 min
Response: 549374371
Conc: 75.44 ug/ml



#6 MCP

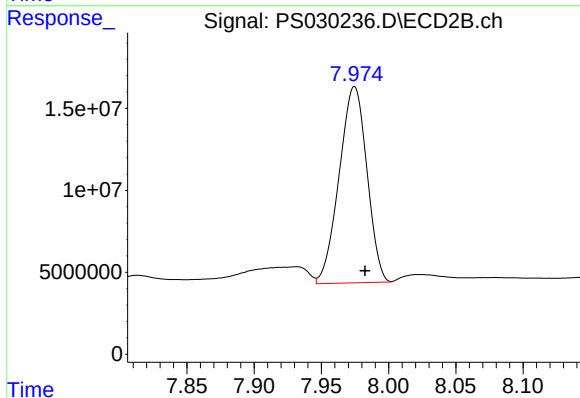
R.T.: 7.745 min
Delta R.T.: -0.007 min
Response: 129490755
Conc: 70.38 ug/ml



#7 MCPA

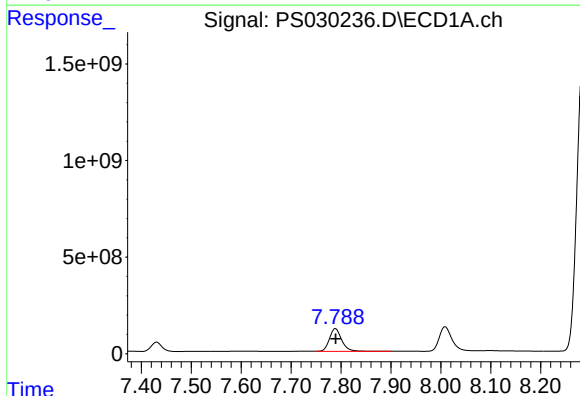
R.T.: 7.430 min
Delta R.T.: -0.006 min
Response: 724148944
Conc: 69.76 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



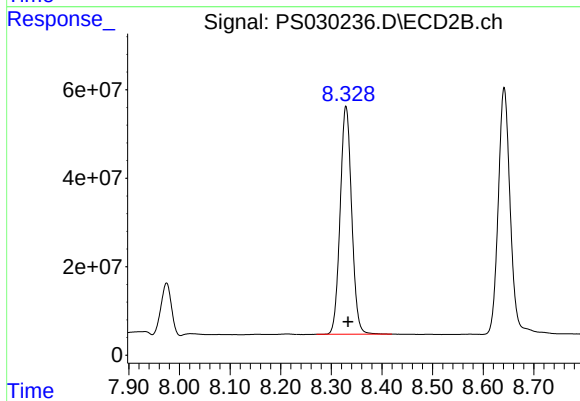
#7 MCPA

R.T.: 7.975 min
Delta R.T.: -0.008 min
Response: 171651593
Conc: 65.08 ug/ml



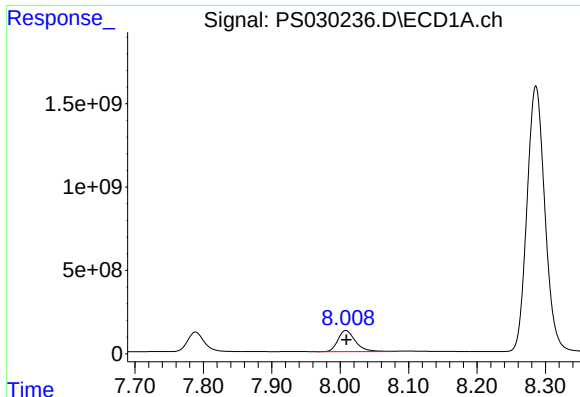
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 2010679890
Conc: 688.27 ng/ml



#8 DICHLORPROP

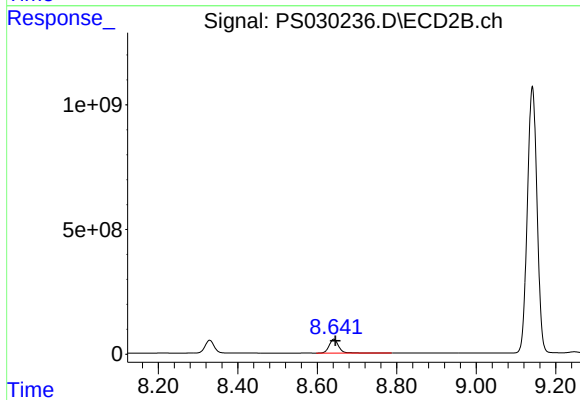
R.T.: 8.329 min
Delta R.T.: -0.004 min
Response: 814358017
Conc: 689.30 ng/ml



#9 2,4-D

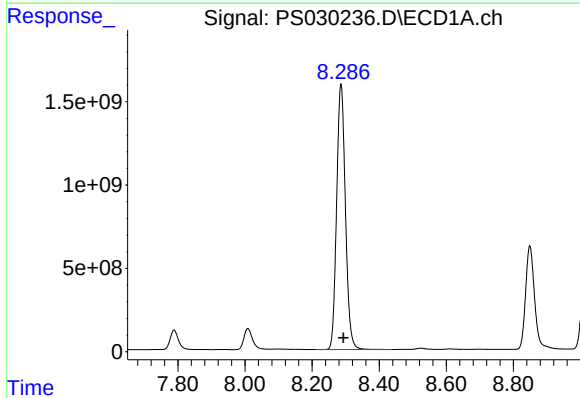
R.T.: 8.008 min
Delta R.T.: 0.000 min
Response: 2264870721
Conc: 690.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



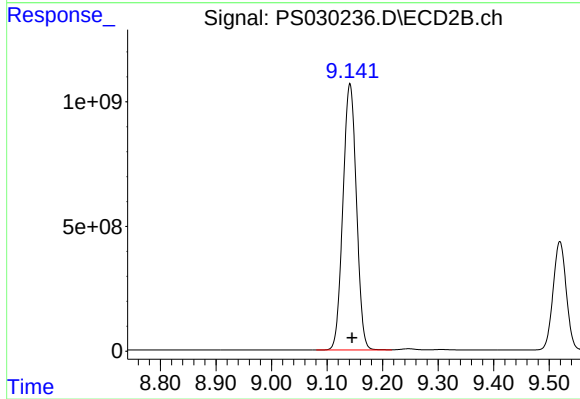
#9 2,4-D

R.T.: 8.641 min
Delta R.T.: -0.004 min
Response: 917393222
Conc: 710.88 ng/ml



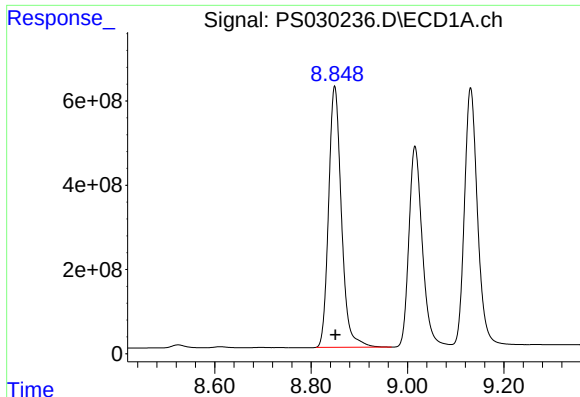
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: -0.007 min
Response: 28886495671
Conc: 713.23 ng/ml



#10 Pentachlorophenol

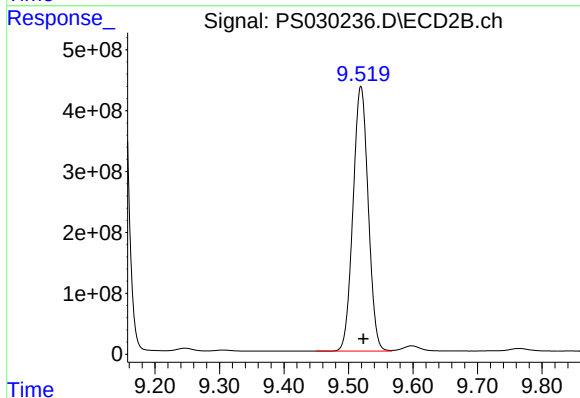
R.T.: 9.141 min
Delta R.T.: -0.004 min
Response: 18028419638
Conc: 730.34 ng/ml



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

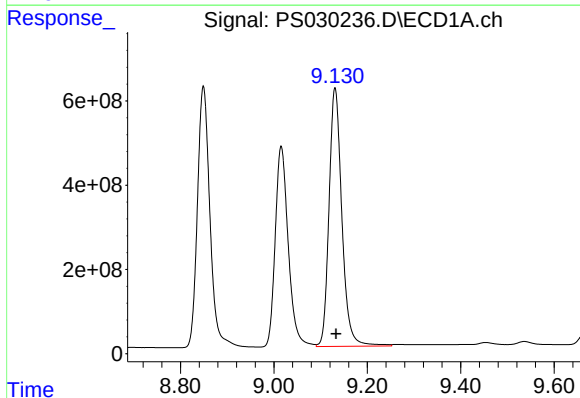
R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 11460400801
Conc: 707.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



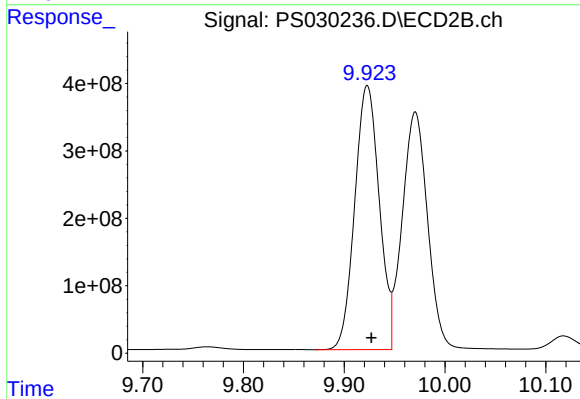
#11 2,4,5-TP (SILVEX)

R.T.: 9.519 min
Delta R.T.: -0.004 min
Response: 7121762550
Conc: 722.99 ng/ml



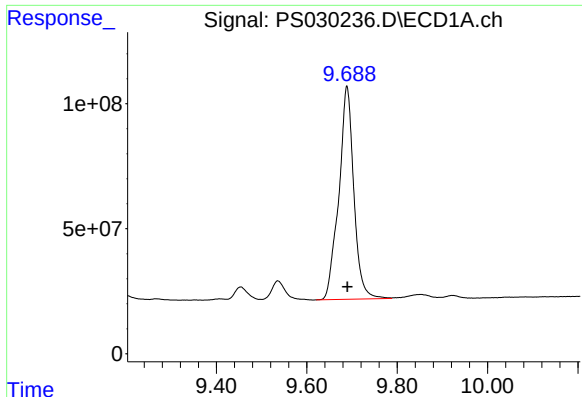
#12 2,4,5-T

R.T.: 9.131 min
Delta R.T.: -0.002 min
Response: 11688298434
Conc: 707.73 ng/ml



#12 2,4,5-T

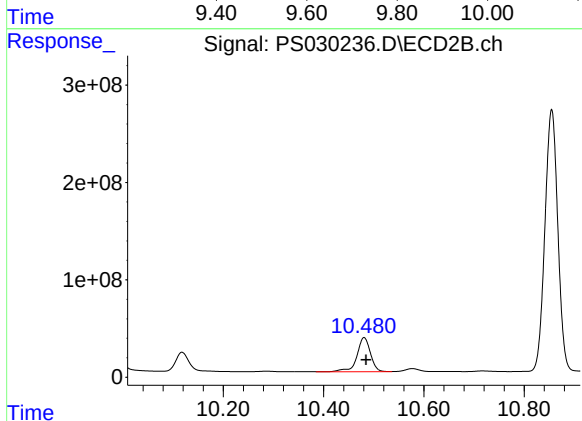
R.T.: 9.923 min
Delta R.T.: -0.004 min
Response: 6625666127
Conc: 719.90 ng/ml



#13 2,4-DB

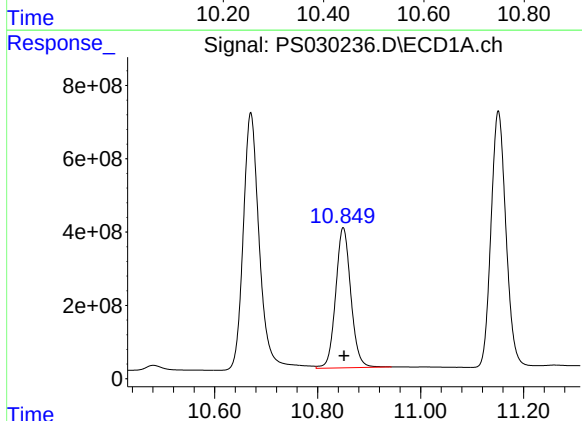
R.T.: 9.689 min
Delta R.T.: -0.001 min
Response: 1966356250
Conc: 753.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



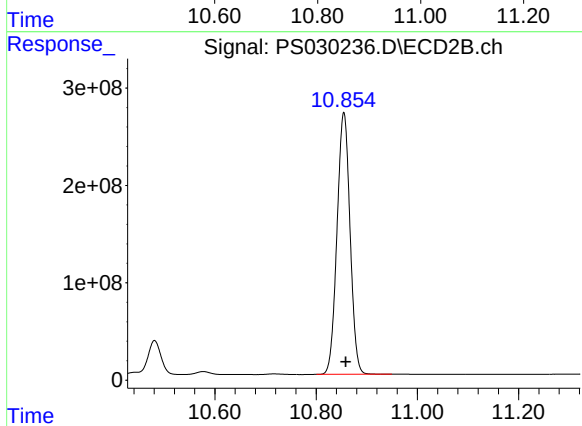
#13 2,4-DB

R.T.: 10.481 min
Delta R.T.: -0.004 min
Response: 661194801
Conc: 666.28 ng/ml



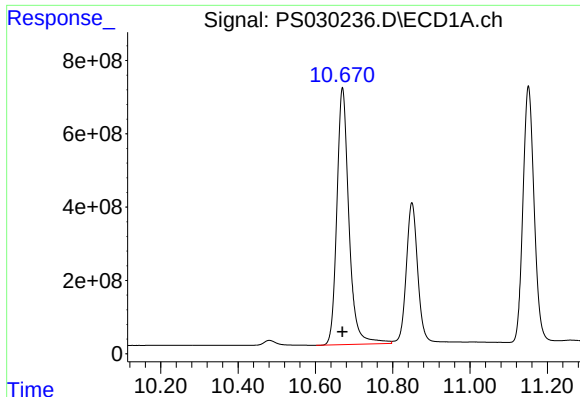
#14 DINOSEB

R.T.: 10.850 min
Delta R.T.: -0.002 min
Response: 7795378038
Conc: 681.63 ng/ml



#14 DINOSEB

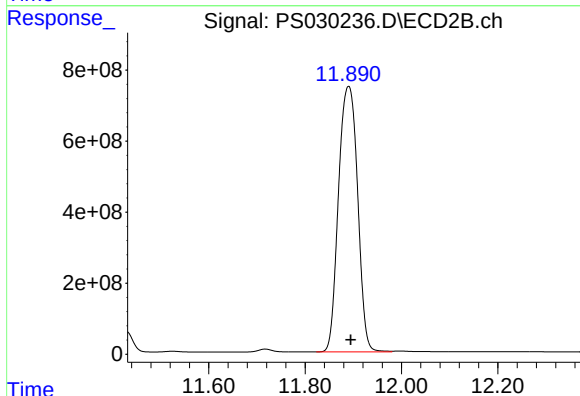
R.T.: 10.855 min
Delta R.T.: -0.004 min
Response: 4795989292
Conc: 701.99 ng/ml



#15 Picloram

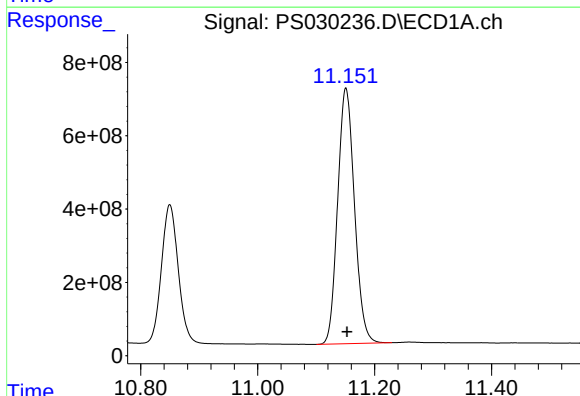
R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 15214004644
Conc: 711.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



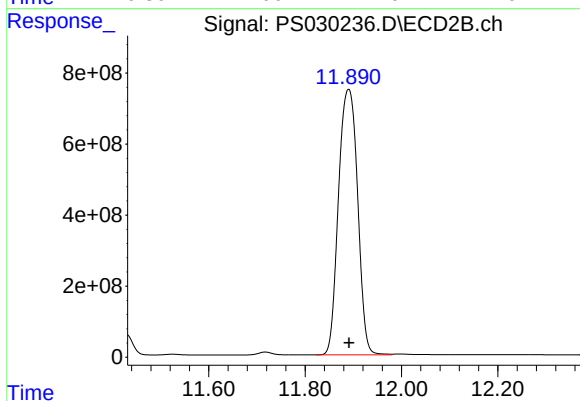
#15 Picloram

R.T.: 11.890 min
Delta R.T.: -0.005 min
Response: 20610373681
Conc: 1464.52 ng/ml



#16 DCPA

R.T.: 11.151 min
Delta R.T.: -0.002 min
Response: 13929446063
Conc: 699.57 ng/ml



#16 DCPA

R.T.: 11.890 min
Delta R.T.: -0.001 min
Response: 20610373681
Conc: 1525.51 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030237.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 16:30
 Operator : AR\AJ
 Sample : Q1982-08MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-9MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:25:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.451	1550.3E6	366.5E6	544.382	458.011
Target Compounds							
1) T	Dalapon	2.444	2.517	1677.7E6	1346.5E6	341.311	662.937 #
2) T	3,5-DICHL...	6.138	6.451	1687.8E6	428.5E6	404.702	367.541
3) T	4-Nitroph...	6.724	6.986	334.7E6	151.8E6	162.041	145.405
5) T	DICAMBA	7.109	7.636	4288.7E6	1768.9E6	371.075	374.136
6) T	MCPD	7.286	7.742	335.5E6	67494367	46.066	36.686
7) T	MCPA	7.429	7.971	355.8E6	118.6E6	34.277	44.969 #
8) T	DICHLORPROP	7.789	8.329	1209.4E6	498.6E6	413.996	422.071
9) T	2,4-D	8.009	8.641	1445.9E6	561.9E6	440.961	435.421
10) T	Pentachlo...	8.286	9.141	15688.3E6	9453.0E6	387.357	382.944
11) T	2,4,5-TP ...	8.849	9.519	6349.5E6	4048.7E6	392.043	411.013
12) T	2,4,5-T	9.131	9.923	6187.4E6	3658.7E6	374.647	397.527
13) T	2,4-DB	9.691	10.481	1227.5E6	383.2E6	470.344	386.154
14) T	DINOSEB	10.849	10.829f	398.2E6	1261.4E6	34.815	184.636 #
15) T	Picloram	10.670	11.886	6804.8E6	9771.2E6	318.174	694.320 #
16) T	DCPA	11.151	11.886	7605.0E6	9771.2E6	381.941	723.233 #

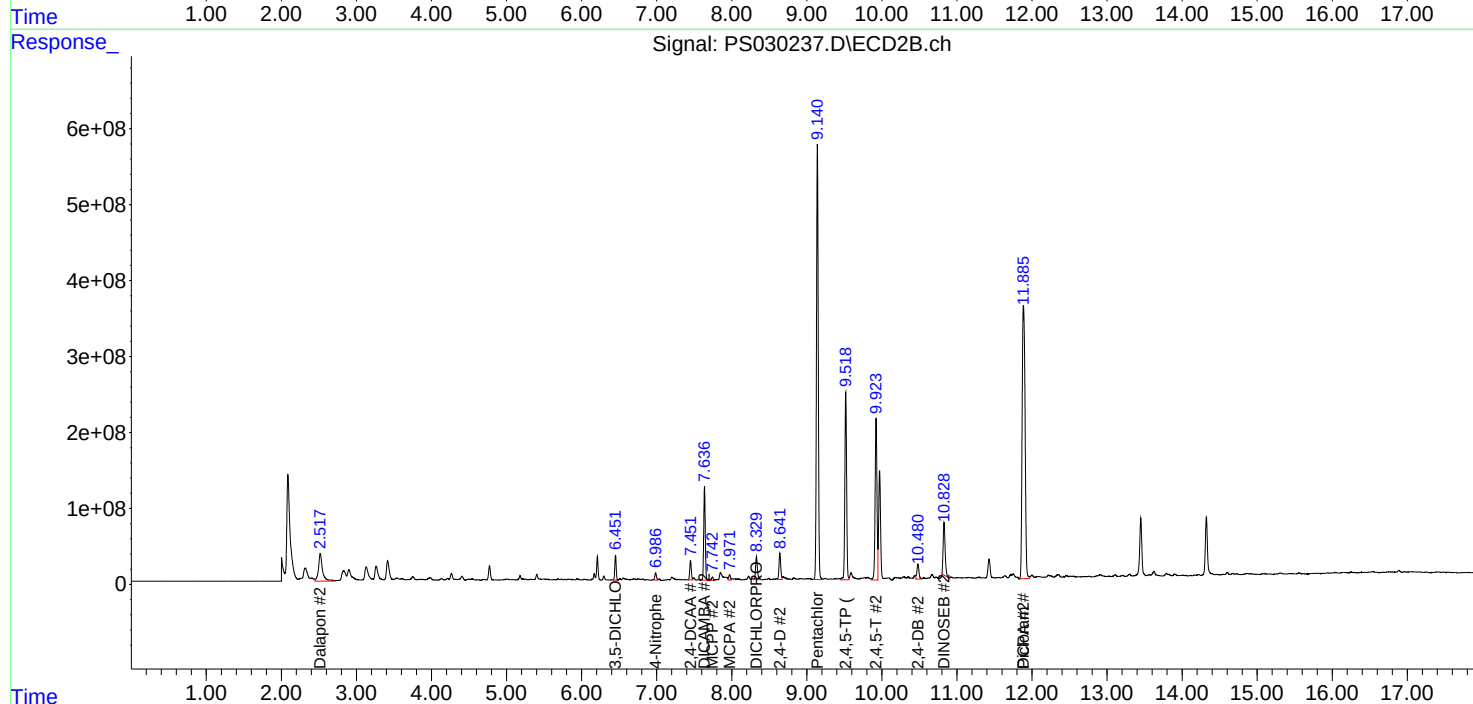
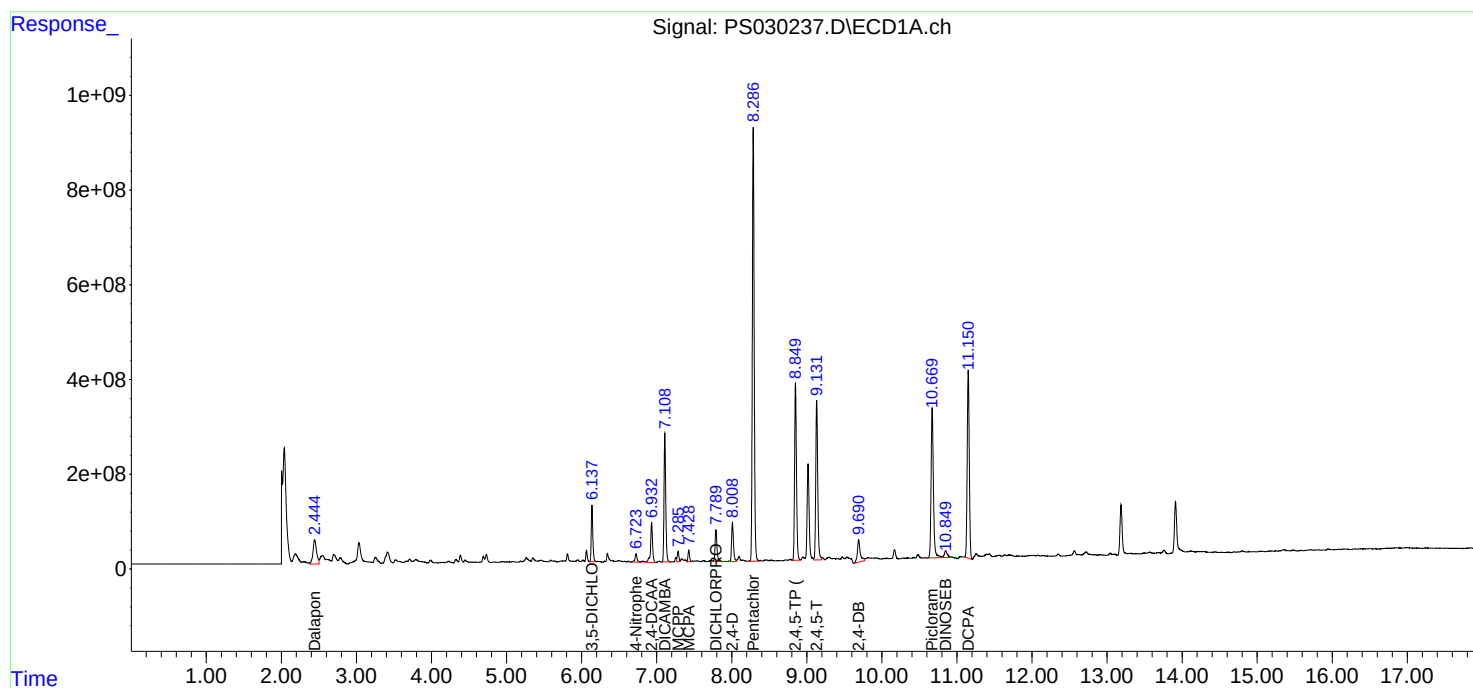
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

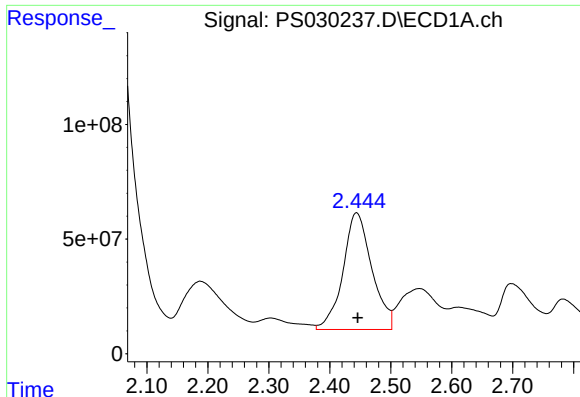
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:30
Operator : AR\AJ
Sample : Q1982-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-9MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:25:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

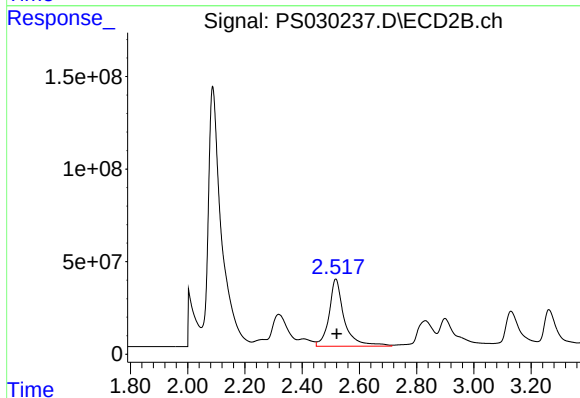




#1 Dalapon

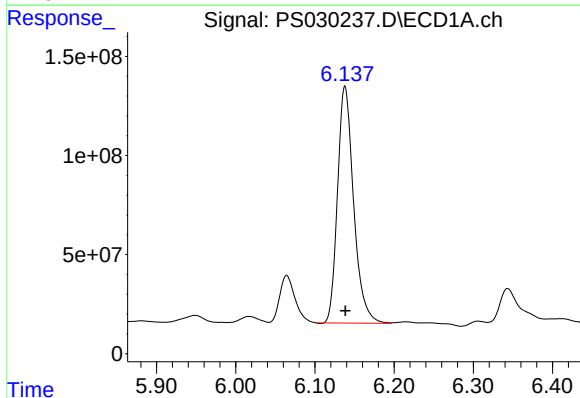
R.T.: 2.444 min
Delta R.T.: -0.002 min
Response: 1677664827
Conc: 341.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS



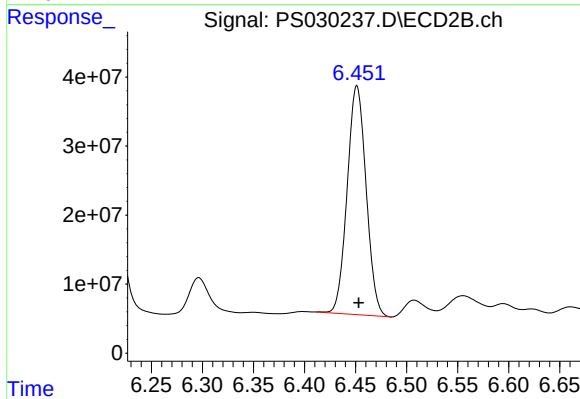
#1 Dalapon

R.T.: 2.517 min
Delta R.T.: -0.003 min
Response: 1346458094
Conc: 662.94 ng/ml



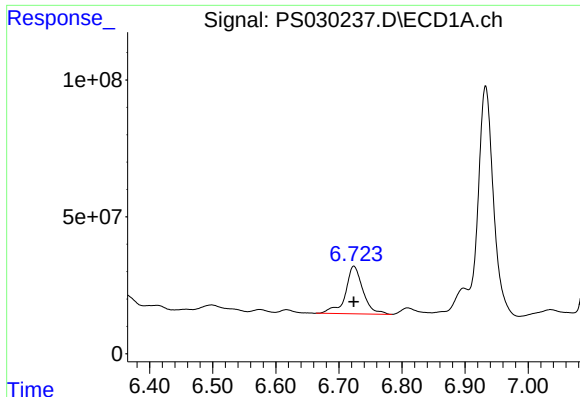
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 1687830472
Conc: 404.70 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

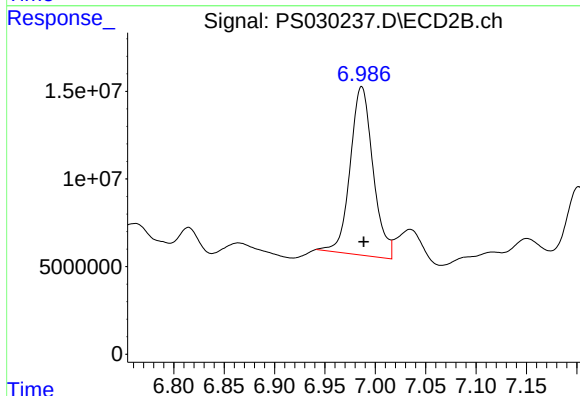
R.T.: 6.451 min
Delta R.T.: -0.002 min
Response: 428490149
Conc: 367.54 ng/ml



#3 4-Nitrophenol

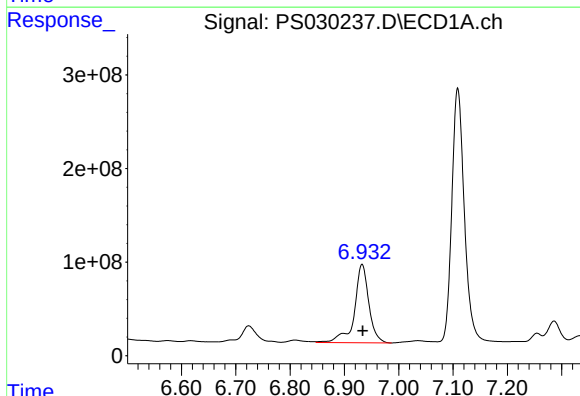
R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 334715130
Conc: 162.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS



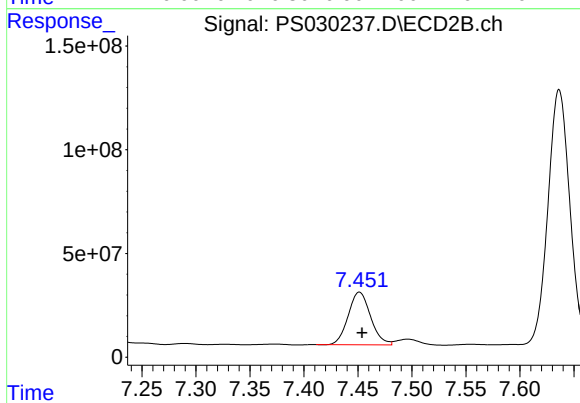
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 151806932
Conc: 145.40 ng/ml



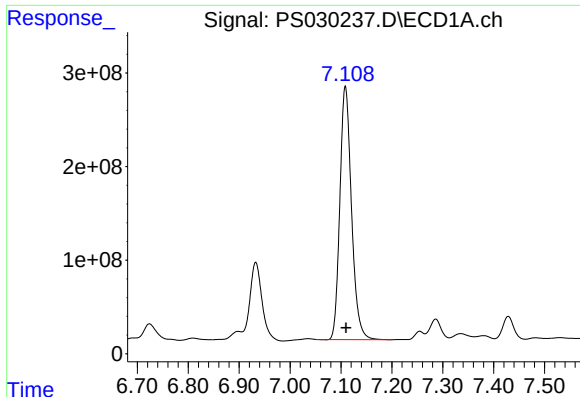
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 1550294756
Conc: 544.38 ng/ml



#4 2,4-DCAA

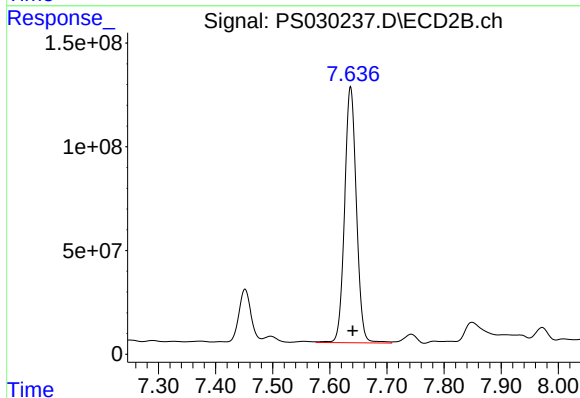
R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 366502396
Conc: 458.01 ng/ml



#5 DICAMBA

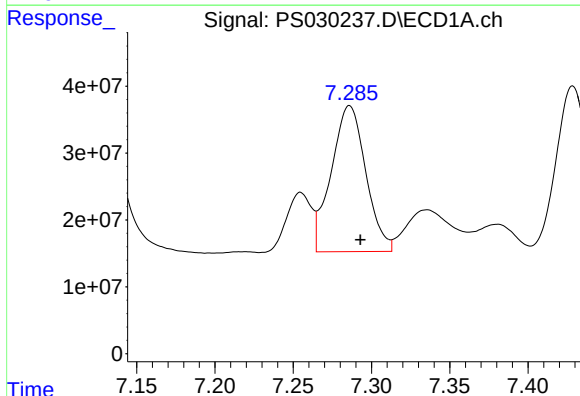
R.T.: 7.109 min
Delta R.T.: -0.001 min
Response: 4288652681
Conc: 371.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS



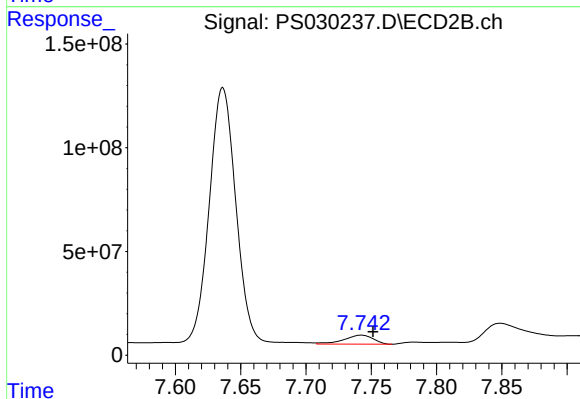
#5 DICAMBA

R.T.: 7.636 min
Delta R.T.: -0.004 min
Response: 1768904348
Conc: 374.14 ng/ml



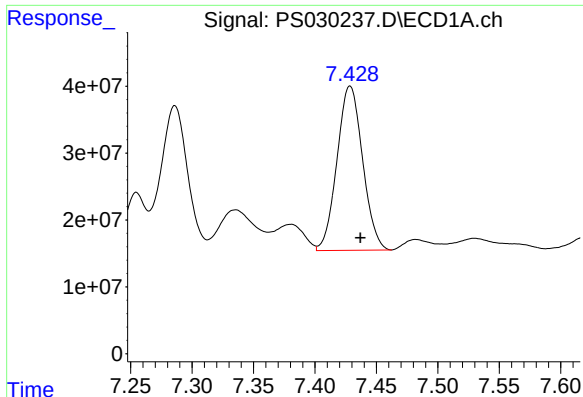
#6 MCP

R.T.: 7.286 min
Delta R.T.: -0.007 min
Response: 335480557
Conc: 46.07 ug/ml



#6 MCP

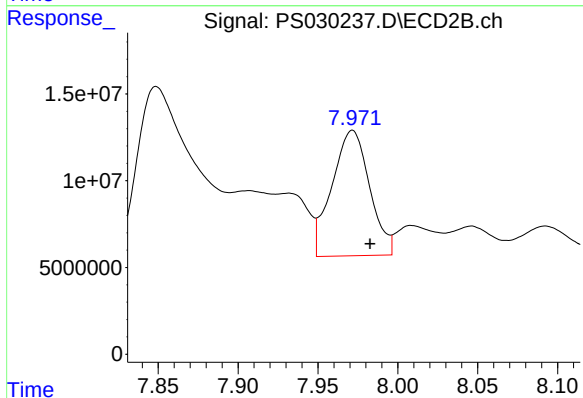
R.T.: 7.742 min
Delta R.T.: -0.009 min
Response: 67494367
Conc: 36.69 ug/ml



#7 MCPA

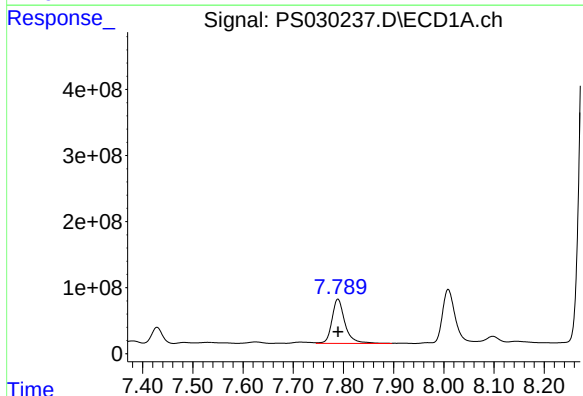
R.T.: 7.429 min
Delta R.T.: -0.008 min
Response: 355826313
Conc: 34.28 ug/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS



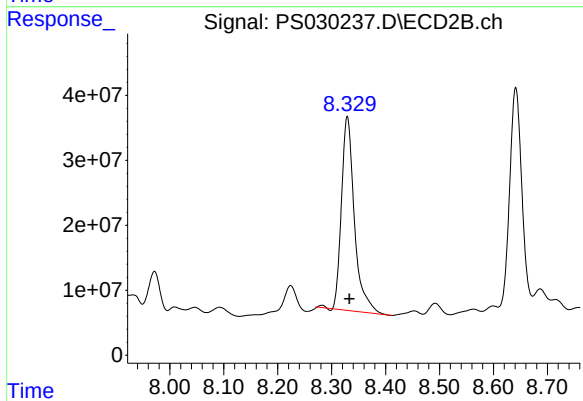
#7 MCPA

R.T.: 7.971 min
Delta R.T.: -0.011 min
Response: 118615093
Conc: 44.97 ug/ml



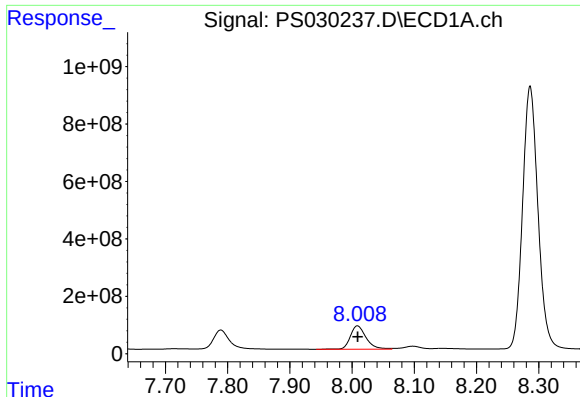
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 1209426261
Conc: 414.00 ng/ml



#8 DICHLORPROP

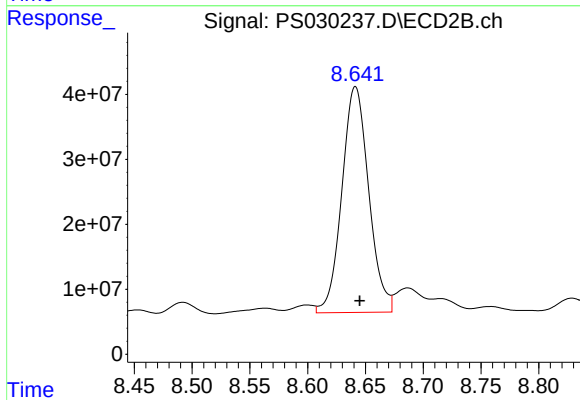
R.T.: 8.329 min
Delta R.T.: -0.004 min
Response: 498648465
Conc: 422.07 ng/ml



#9 2,4-D

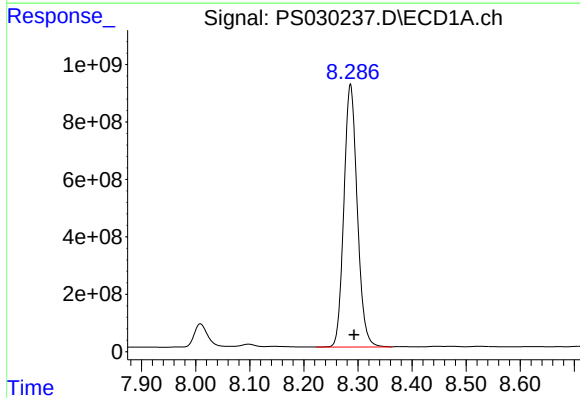
R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 1445883944
Conc: 440.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS



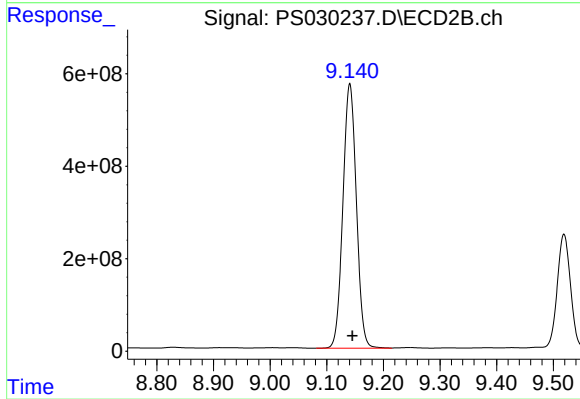
#9 2,4-D

R.T.: 8.641 min
Delta R.T.: -0.004 min
Response: 561911343
Conc: 435.42 ng/ml



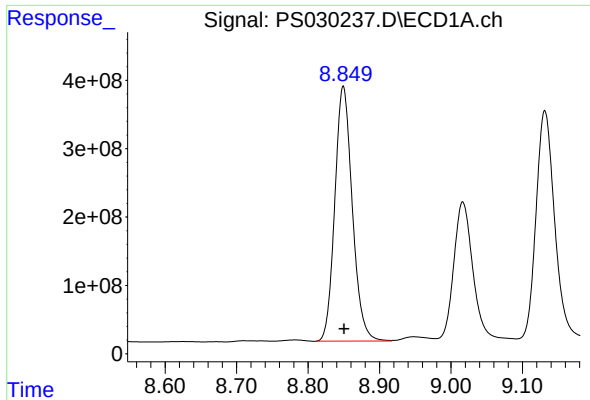
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: -0.007 min
Response: 15688250953
Conc: 387.36 ng/ml



#10 Pentachlorophenol

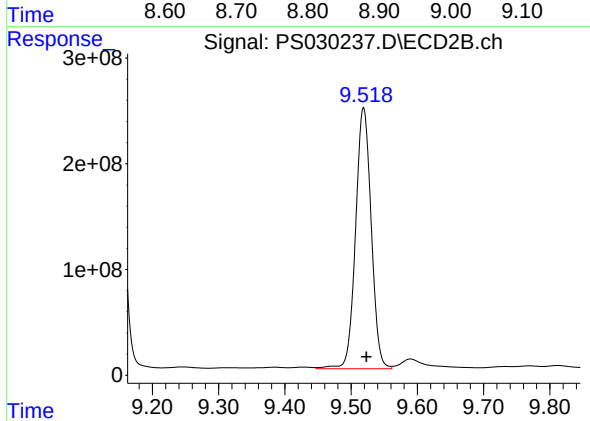
R.T.: 9.141 min
Delta R.T.: -0.004 min
Response: 9452958414
Conc: 382.94 ng/ml



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

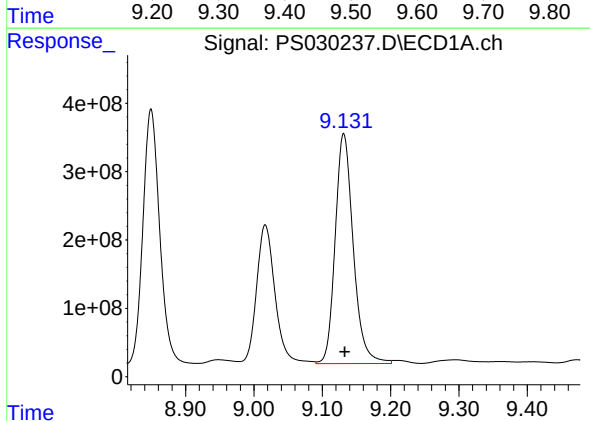
R.T.: 8.849 min
Delta R.T.: -0.001 min
Response: 6349532673
Conc: 392.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS



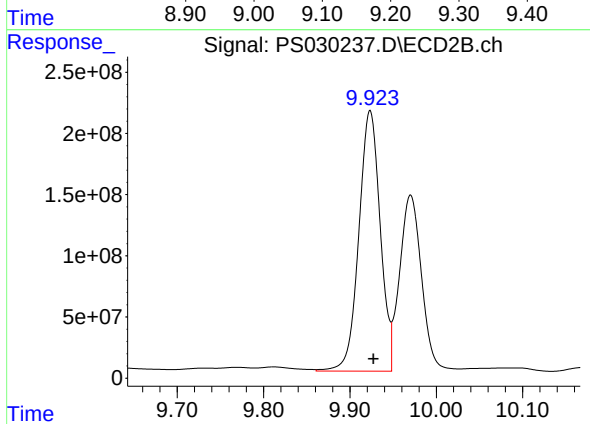
#11 2,4,5-TP (SILVEX)

R.T.: 9.519 min
Delta R.T.: -0.004 min
Response: 4048656345
Conc: 411.01 ng/ml



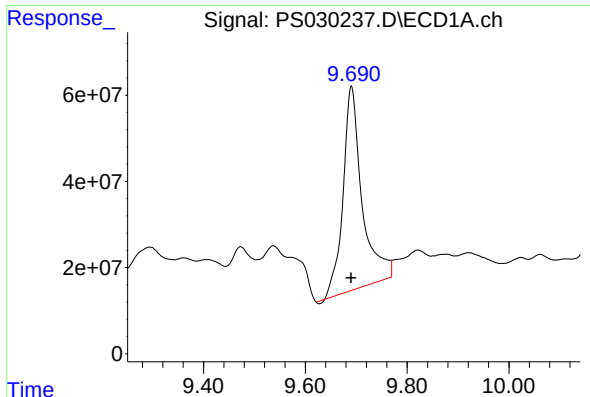
#12 2,4,5-T

R.T.: 9.131 min
Delta R.T.: -0.001 min
Response: 6187368752
Conc: 374.65 ng/ml



#12 2,4,5-T

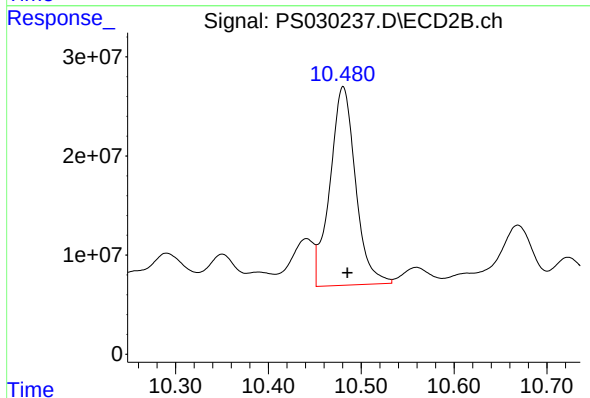
R.T.: 9.923 min
Delta R.T.: -0.004 min
Response: 3658679095
Conc: 397.53 ng/ml



#13 2,4-DB

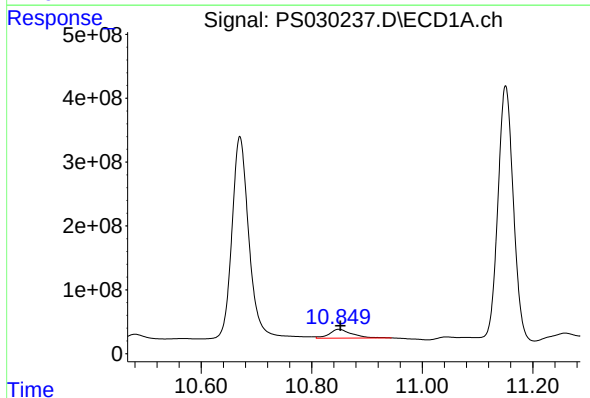
R.T.: 9.691 min
Delta R.T.: 0.000 min
Response: 1227492552
Conc: 470.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS



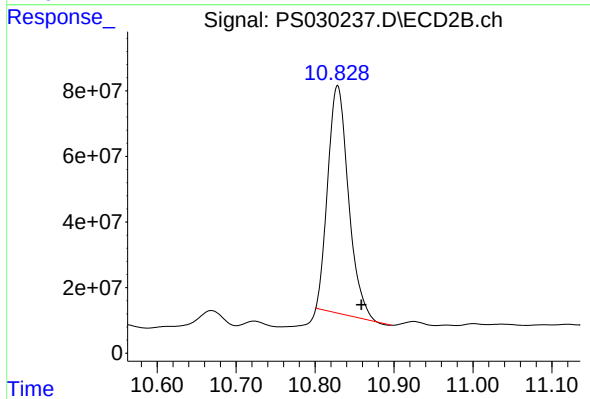
#13 2,4-DB

R.T.: 10.481 min
Delta R.T.: -0.004 min
Response: 383208847
Conc: 386.15 ng/ml



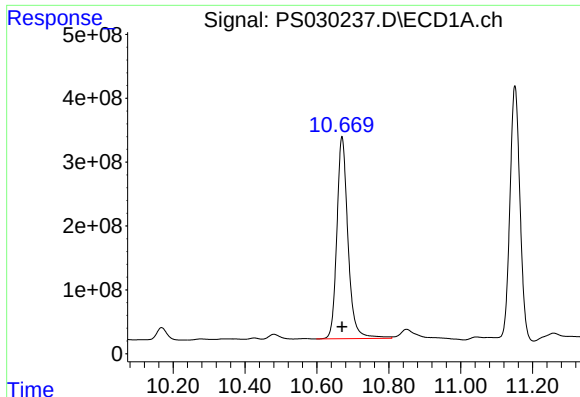
#14 DINOSEB

R.T.: 10.849 min
Delta R.T.: -0.002 min
Response: 398161988
Conc: 34.82 ng/ml



#14 DINOSEB

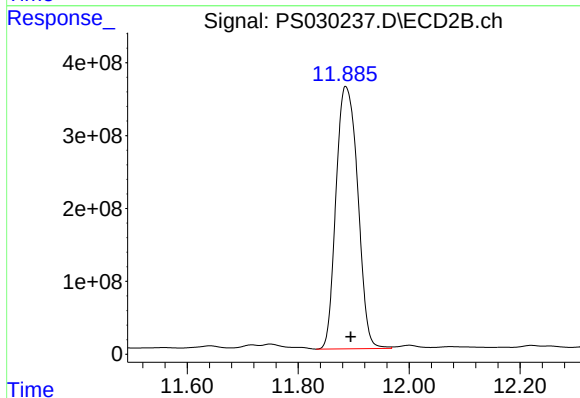
R.T.: 10.829 min
Delta R.T.: -0.030 min
Response: 1261427000
Conc: 184.64 ng/ml



#15 Picloram

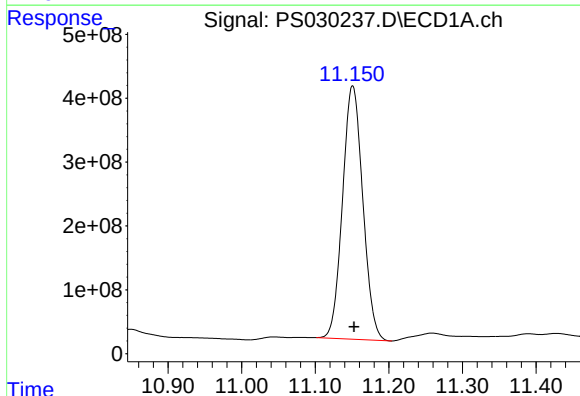
R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 6804774569
Conc: 318.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MS



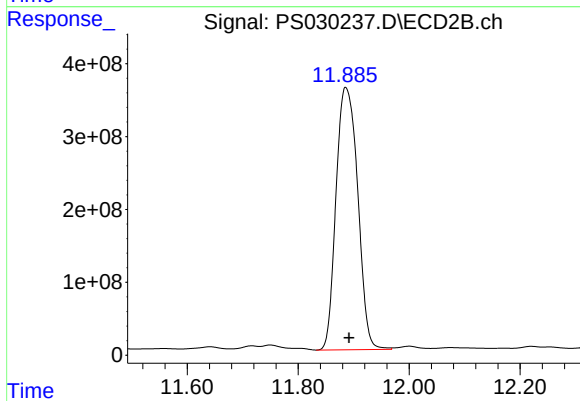
#15 Picloram

R.T.: 11.886 min
Delta R.T.: -0.009 min
Response: 9771245470
Conc: 694.32 ng/ml



#16 DCPA

R.T.: 11.151 min
Delta R.T.: -0.002 min
Response: 7605005801
Conc: 381.94 ng/ml



#16 DCPA

R.T.: 11.886 min
Delta R.T.: -0.006 min
Response: 9771245470
Conc: 723.23 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030238.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 16:54
 Operator : AR\AJ
 Sample : Q1982-08MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-9MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:25:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.451	1507.0E6	393.7E6	529.167	491.959
Target Compounds							
1) T	Dalapon	2.444	2.517	1925.9E6	1554.4E6	391.820	765.327 #
2) T	3,5-DICHL...	6.138	6.452	1945.3E6	503.7E6	466.426	432.085
3) T	4-Nitroph...	6.723	6.986	596.8E6	282.9E6	288.909	270.991
5) T	DICAMBA	7.109	7.637	4927.4E6	2082.7E6	426.341	440.495
6) T	MCPD	7.287	7.743	331.9E6	76698429	45.569	41.689
7) T	MCPA	7.430	7.973	401.5E6	131.7E6	38.678	49.933 #
8) T	DICHLORPROP	7.789	8.330	1415.4E6	564.7E6	484.500	477.967
9) T	2,4-D	8.008	8.642	1663.1E6	644.1E6	507.205	499.144
10) T	Pentachlo...	8.286	9.142	17969.0E6	11016.7E6	443.669	446.290
11) T	2,4,5-TP ...	8.849	9.520	7215.8E6	4709.8E6	445.531	478.128
12) T	2,4,5-T	9.132	9.923	7061.9E6	4243.9E6	427.601	461.107
13) T	2,4-DB	9.690	10.481	1362.5E6	454.4E6	522.068	457.860
14) T	DINOSEB	10.850	10.829f	468.9E6	1622.3E6	41.004	237.462 #
15) T	Picloram	10.670	11.886	7659.9E6	11378.6E6	358.157	808.535 #
16) T	DCPA	11.152	11.886	8453.7E6	11378.6E6	424.566	842.203 #

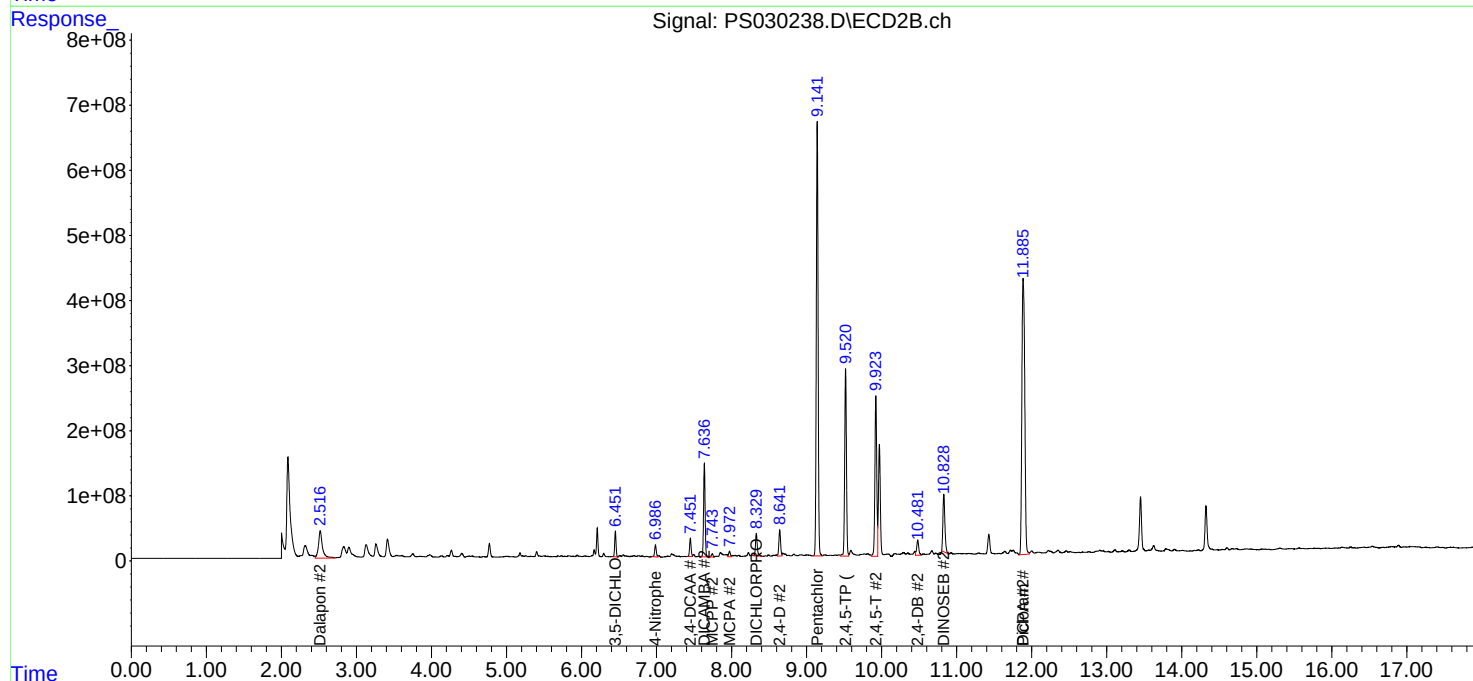
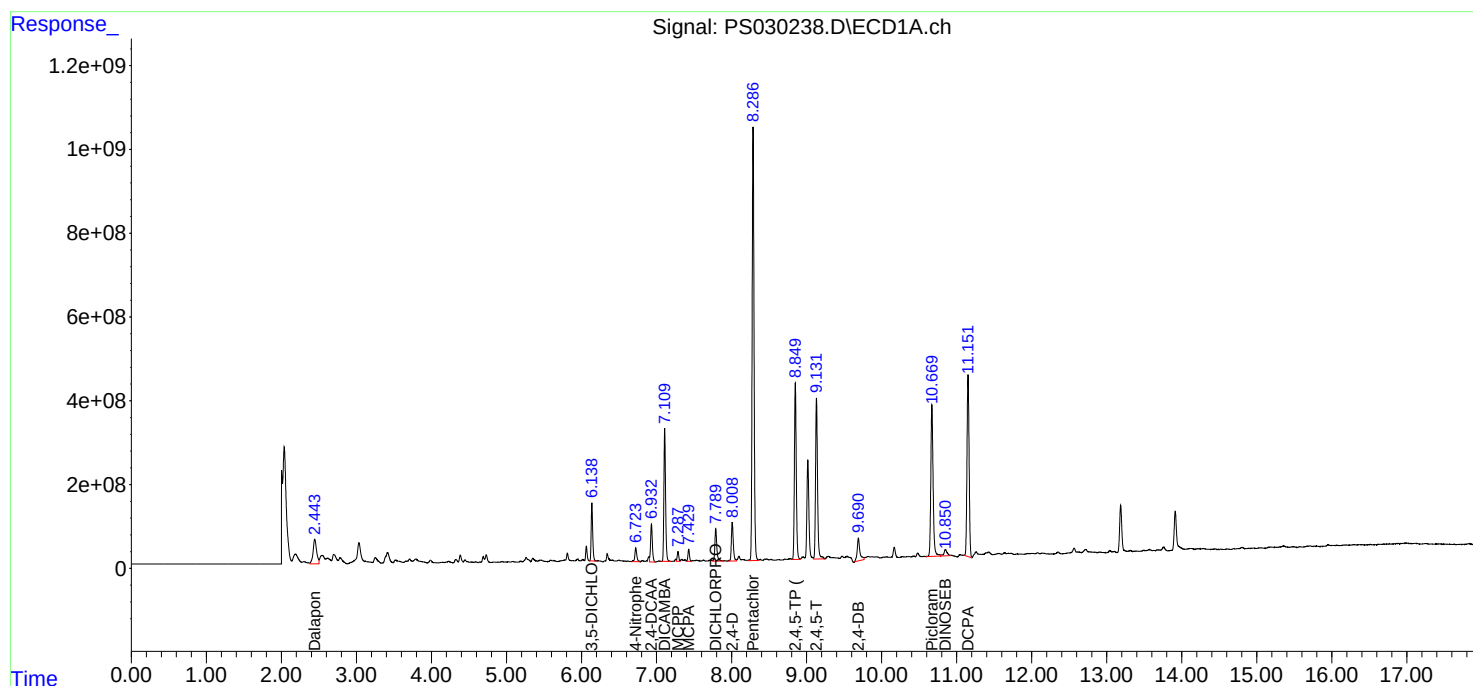
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

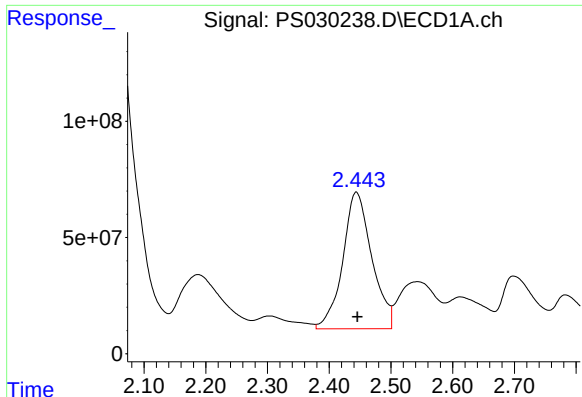
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:54
Operator : AR\AJ
Sample : Q1982-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-9MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:25:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

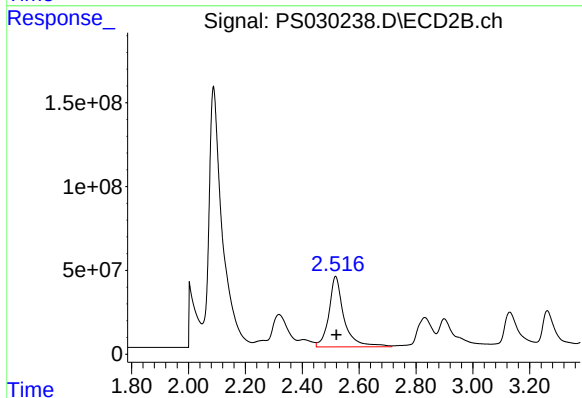




#1 Dalapon

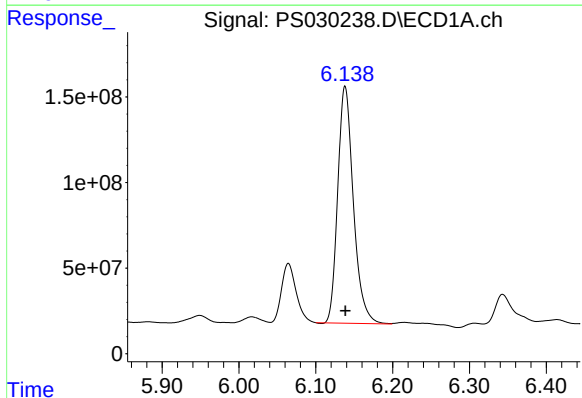
R.T.: 2.444 min
Delta R.T.: -0.002 min
Response: 1925937836
Conc: 391.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD



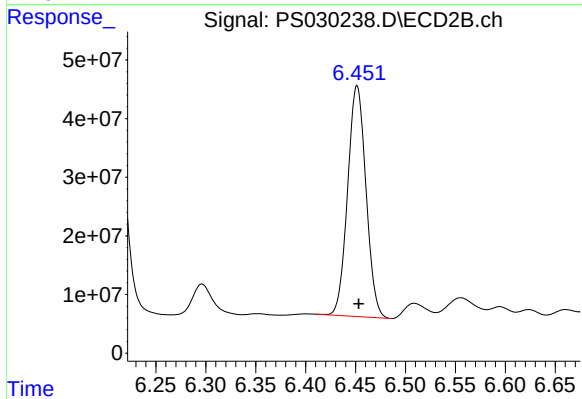
#1 Dalapon

R.T.: 2.517 min
Delta R.T.: -0.003 min
Response: 1554417535
Conc: 765.33 ng/ml



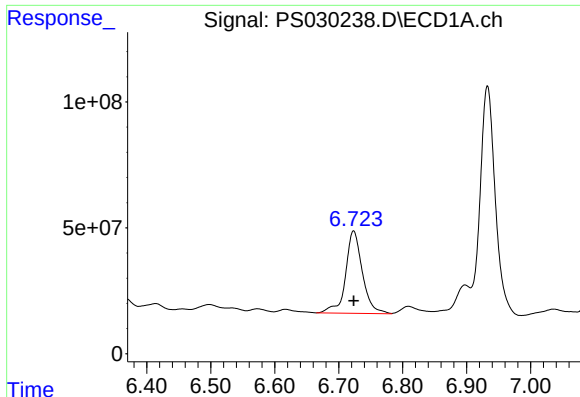
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 1945255525
Conc: 466.43 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

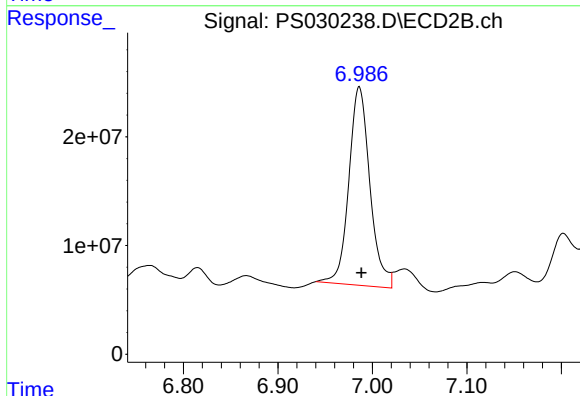
R.T.: 6.452 min
Delta R.T.: -0.002 min
Response: 503737509
Conc: 432.08 ng/ml



#3 4-Nitrophenol

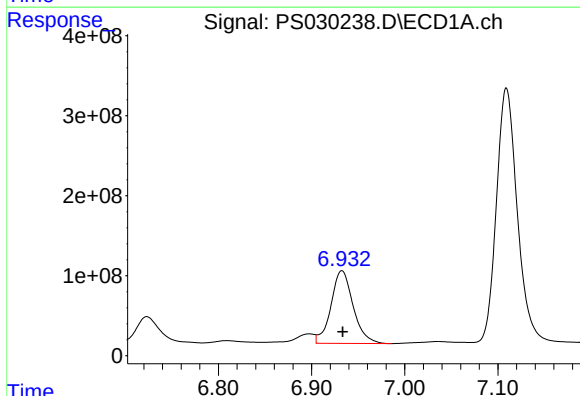
R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 596774517
Conc: 288.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD



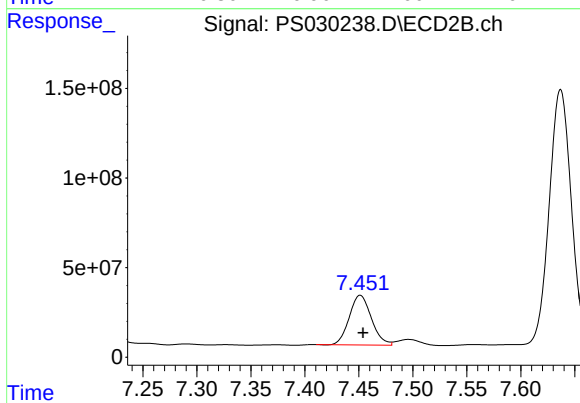
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 282923347
Conc: 270.99 ng/ml



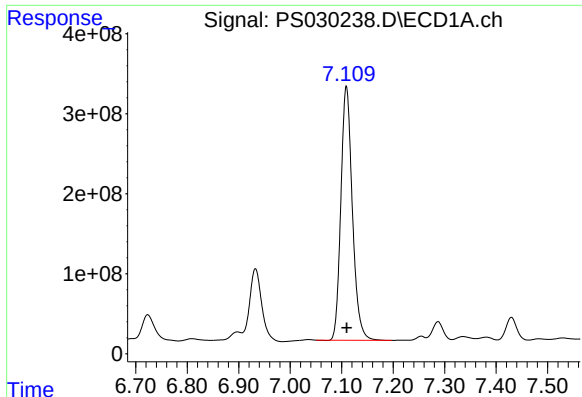
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: -0.001 min
Response: 1506966881
Conc: 529.17 ng/ml



#4 2,4-DCAA

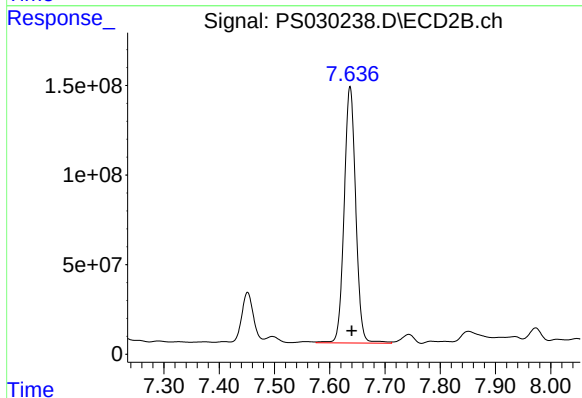
R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 393667495
Conc: 491.96 ng/ml



#5 DICAMBA

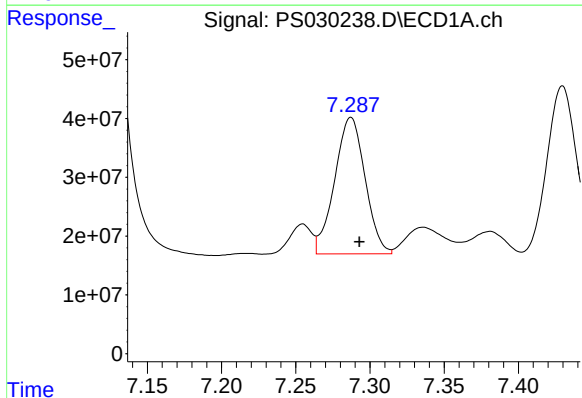
R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 4927373699
Conc: 426.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD



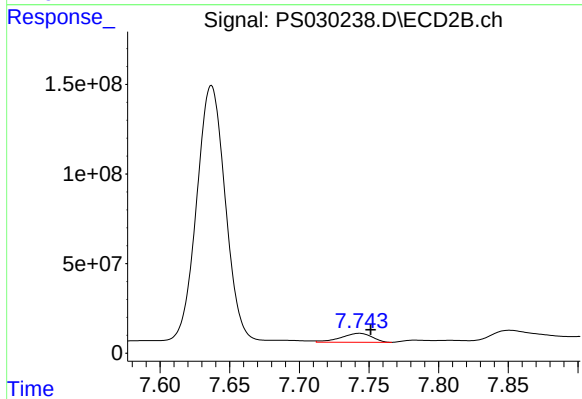
#5 DICAMBA

R.T.: 7.637 min
Delta R.T.: -0.003 min
Response: 2082652390
Conc: 440.50 ng/ml



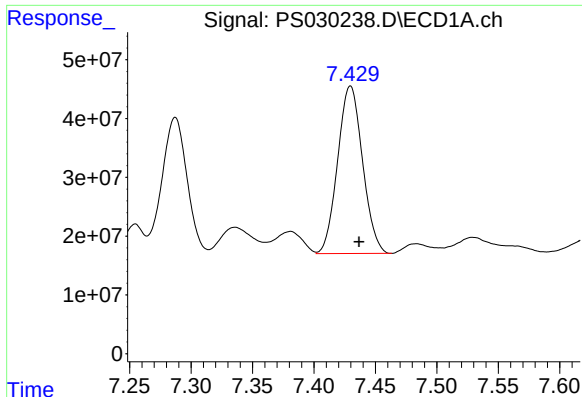
#6 MCPP

R.T.: 7.287 min
Delta R.T.: -0.006 min
Response: 331867609
Conc: 45.57 ug/ml



#6 MCPP

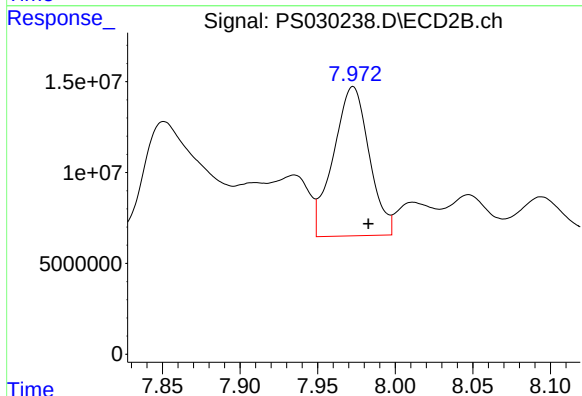
R.T.: 7.743 min
Delta R.T.: -0.008 min
Response: 76698429
Conc: 41.69 ug/ml



#7 MCPA

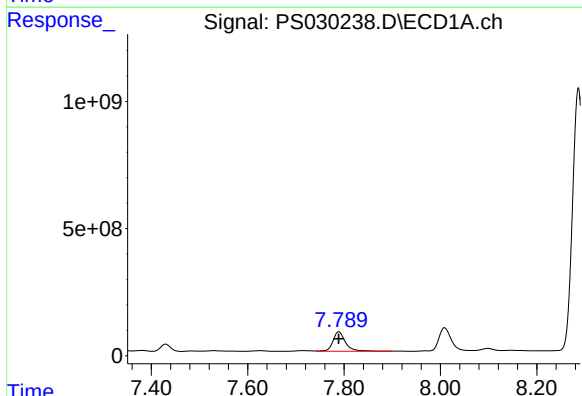
R.T.: 7.430 min
Delta R.T.: -0.007 min
Response: 401512217
Conc: 38.68 ug/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD



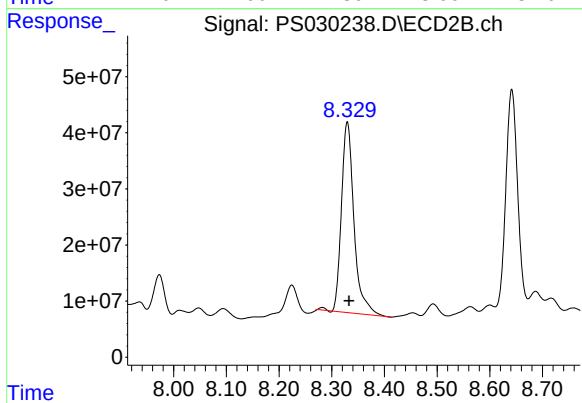
#7 MCPA

R.T.: 7.973 min
Delta R.T.: -0.010 min
Response: 131706152
Conc: 49.93 ug/ml



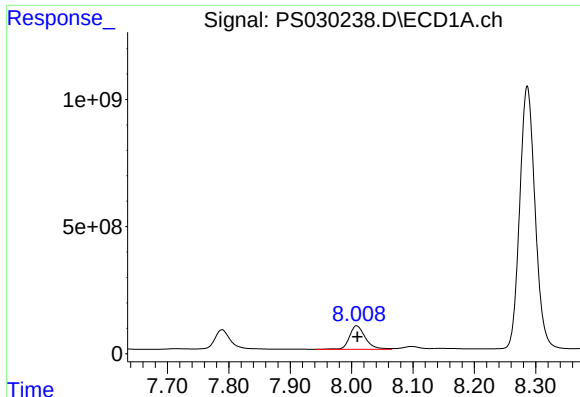
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 1415392025
Conc: 484.50 ng/ml



#8 DICHLORPROP

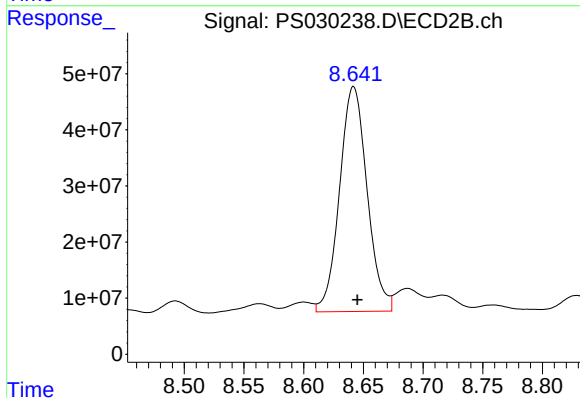
R.T.: 8.330 min
Delta R.T.: -0.003 min
Response: 564685601
Conc: 477.97 ng/ml



#9 2,4-D

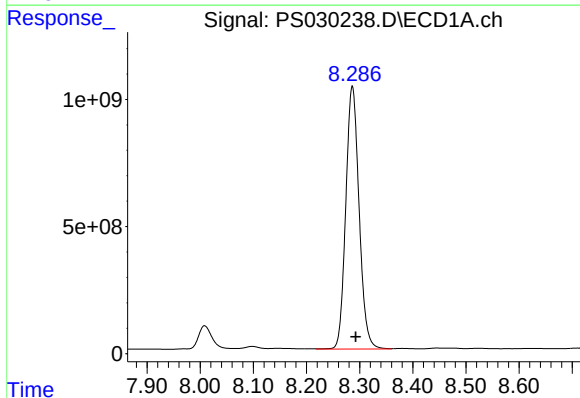
R.T.: 8.008 min
Delta R.T.: 0.000 min
Response: 1663091964
Conc: 507.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD



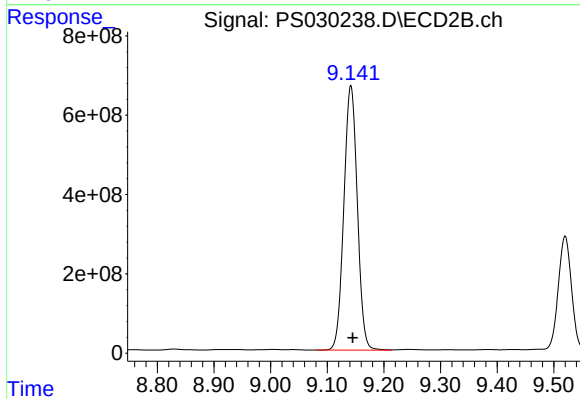
#9 2,4-D

R.T.: 8.642 min
Delta R.T.: -0.003 min
Response: 644145457
Conc: 499.14 ng/ml



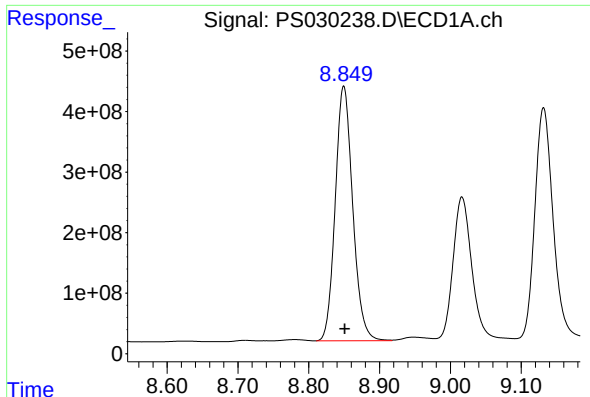
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: -0.007 min
Response: 17968958829
Conc: 443.67 ng/ml



#10 Pentachlorophenol

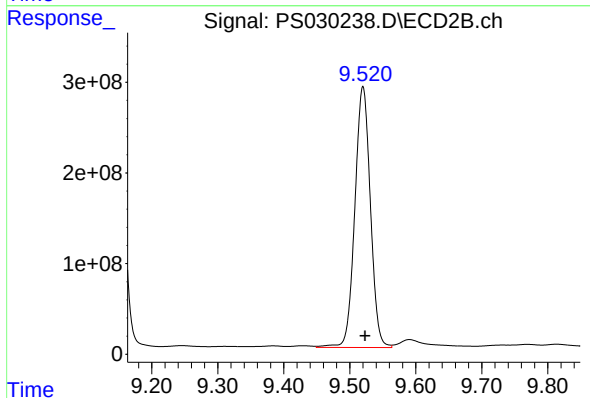
R.T.: 9.142 min
Delta R.T.: -0.003 min
Response: 11016650668
Conc: 446.29 ng/ml



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

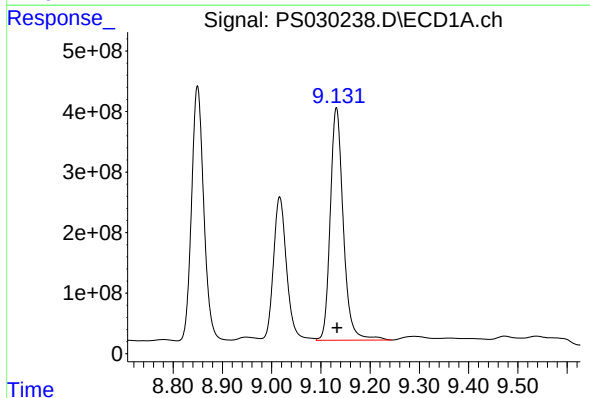
R.T.: 8.849 min
Delta R.T.: -0.001 min
Response: 7215817068
Conc: 445.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD



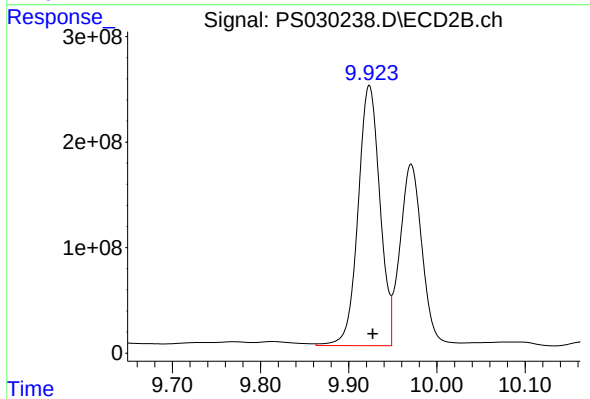
#11 2,4,5-TP (SILVEX)

R.T.: 9.520 min
Delta R.T.: -0.003 min
Response: 4709761446
Conc: 478.13 ng/ml



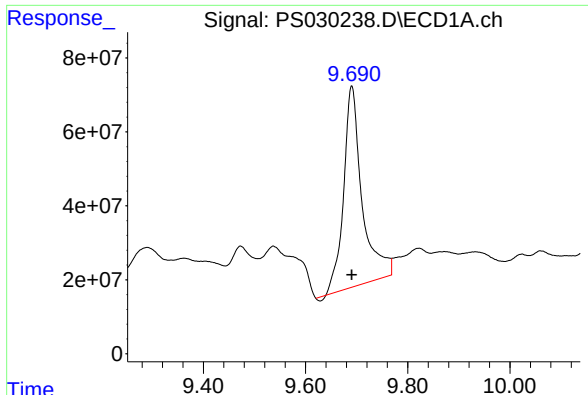
#12 2,4,5-T

R.T.: 9.132 min
Delta R.T.: -0.001 min
Response: 7061911148
Conc: 427.60 ng/ml



#12 2,4,5-T

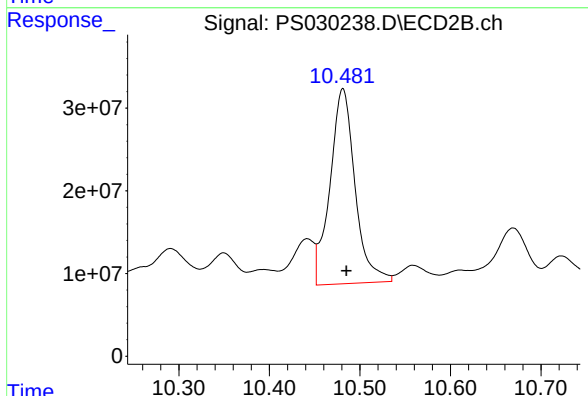
R.T.: 9.923 min
Delta R.T.: -0.004 min
Response: 4243852365
Conc: 461.11 ng/ml



#13 2,4-DB

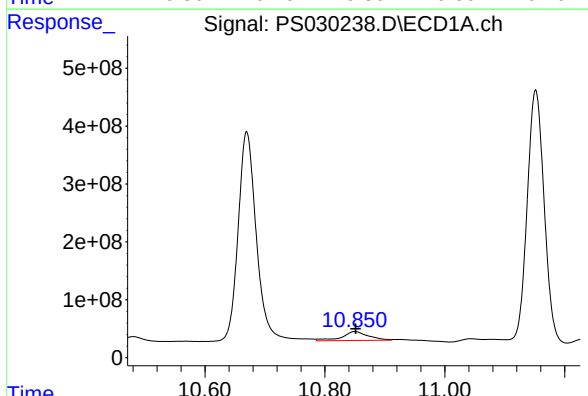
R.T.: 9.690 min
Delta R.T.: 0.000 min
Response: 1362478304
Conc: 522.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD



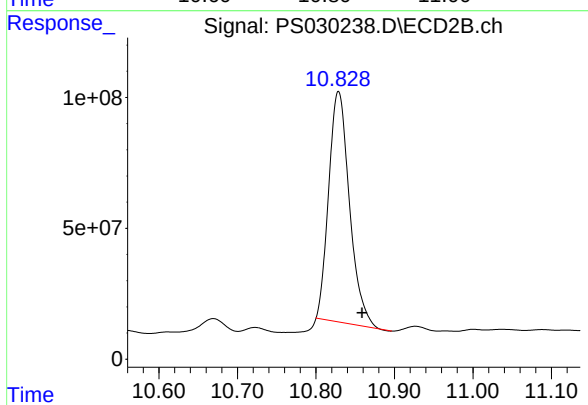
#13 2,4-DB

R.T.: 10.481 min
Delta R.T.: -0.004 min
Response: 454367571
Conc: 457.86 ng/ml



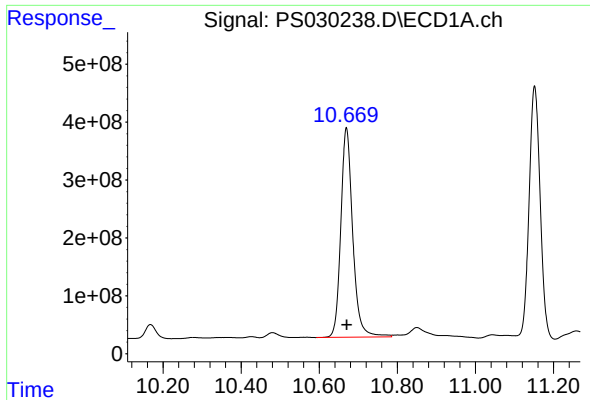
#14 DINOSEB

R.T.: 10.850 min
Delta R.T.: -0.002 min
Response: 468936396
Conc: 41.00 ng/ml



#14 DINOSEB

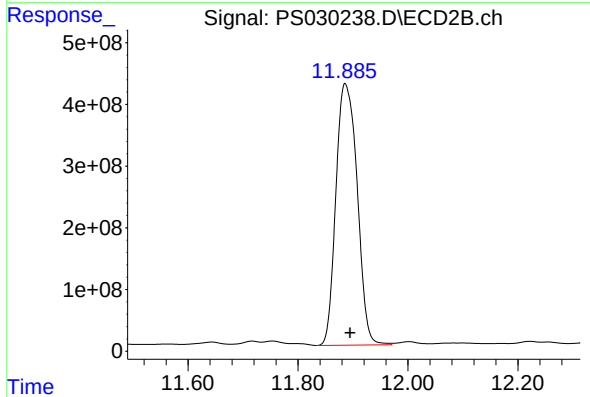
R.T.: 10.829 min
Delta R.T.: -0.030 min
Response: 1622333868
Conc: 237.46 ng/ml



#15 Picloram

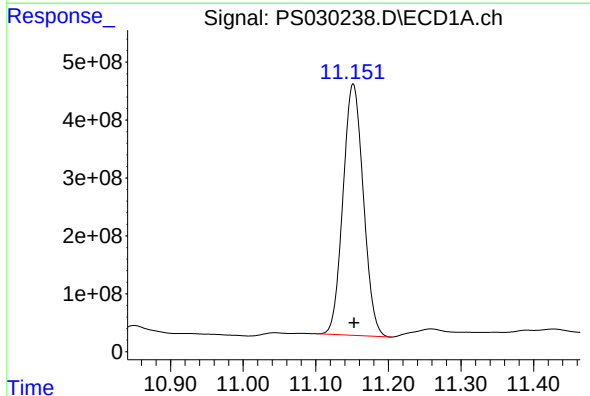
R.T.: 10.670 min
Delta R.T.: 0.000 min
Response: 7659884973
Conc: 358.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-9MSD



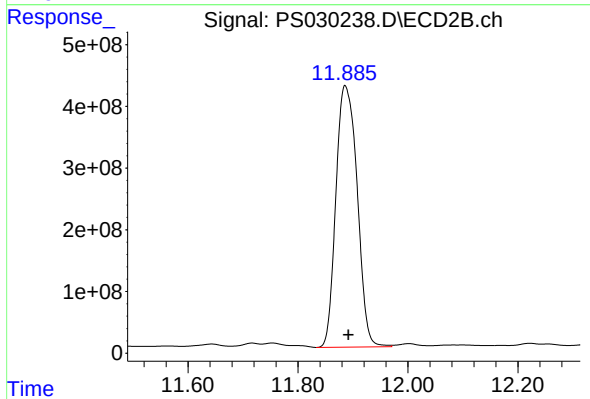
#15 Picloram

R.T.: 11.886 min
Delta R.T.: -0.009 min
Response: 11378603919
Conc: 808.53 ng/ml



#16 DCPA

R.T.: 11.152 min
Delta R.T.: -0.001 min
Response: 8453735008
Conc: 424.57 ng/ml



#16 DCPA

R.T.: 11.886 min
Delta R.T.: -0.006 min
Response: 11378603919
Conc: 842.20 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030246.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 20:07
 Operator : AR\AJ
 Sample : Q1984-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 OU4-PCS-TC-34-050725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:29:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.452	1137.4E6	267.2E6	399.403	333.881
Target Compounds							
1) T	Dalapon	2.420f	2.506	504.8E6	613.6E6	102.699	302.110 #
2) T	3,5-DICHL...	6.134	6.461	7309524	28205091	1.753	24.193 #
3) T	4-Nitroph...	6.686f	6.956f	48421314	4988585	23.442	4.778 #
5) T	DICAMBA	7.126	7.620	10796492	7111599	<MDL	1.504 #
6) T	MCPD	7.333f	7.730	65643503	2196438	9.014	1.194 #
7) T	MCPA	7.436	7.961	7700369	81596417	<MDL	30.935 #
8) T	DICHLORPROP	7.801	8.351	31683755	37248250	10.846	31.528 #
9) T	2,4-D	7.971f	8.620f	59600642	10100298	18.177	7.827 #
10) T	Pentachlo...	8.258f	9.138	74622990	21570910	1.843	<MDL #
11) T	2,4,5-TP ...	8.879f	9.554f	-12863721	52240736	N.D.	5.303
12) T	2,4,5-T	9.176f	9.951	208.0E6	200.5E6	12.596	21.785 #
13) T	2,4-DB	9.711	10.464	349.3E6	66556538	133.844	67.068 #
14) T	DINOSEB	10.884f	10.880	4274268	11392323	<MDL	1.667 #
15) T	Picloram	10.690	11.917	17469481	109.1E6	<MDL	7.749 #
16) T	DCPA	11.145	11.917f	117.5E6	109.1E6	5.901	8.072 #

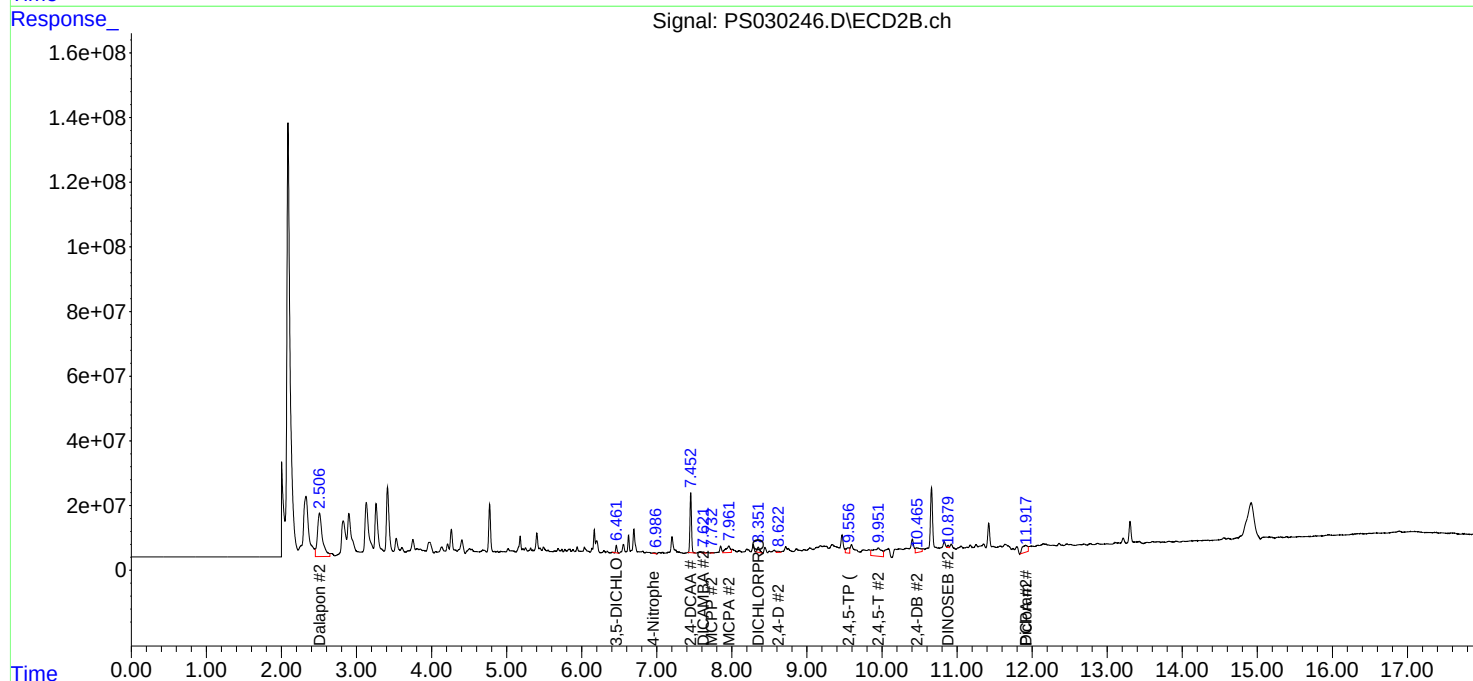
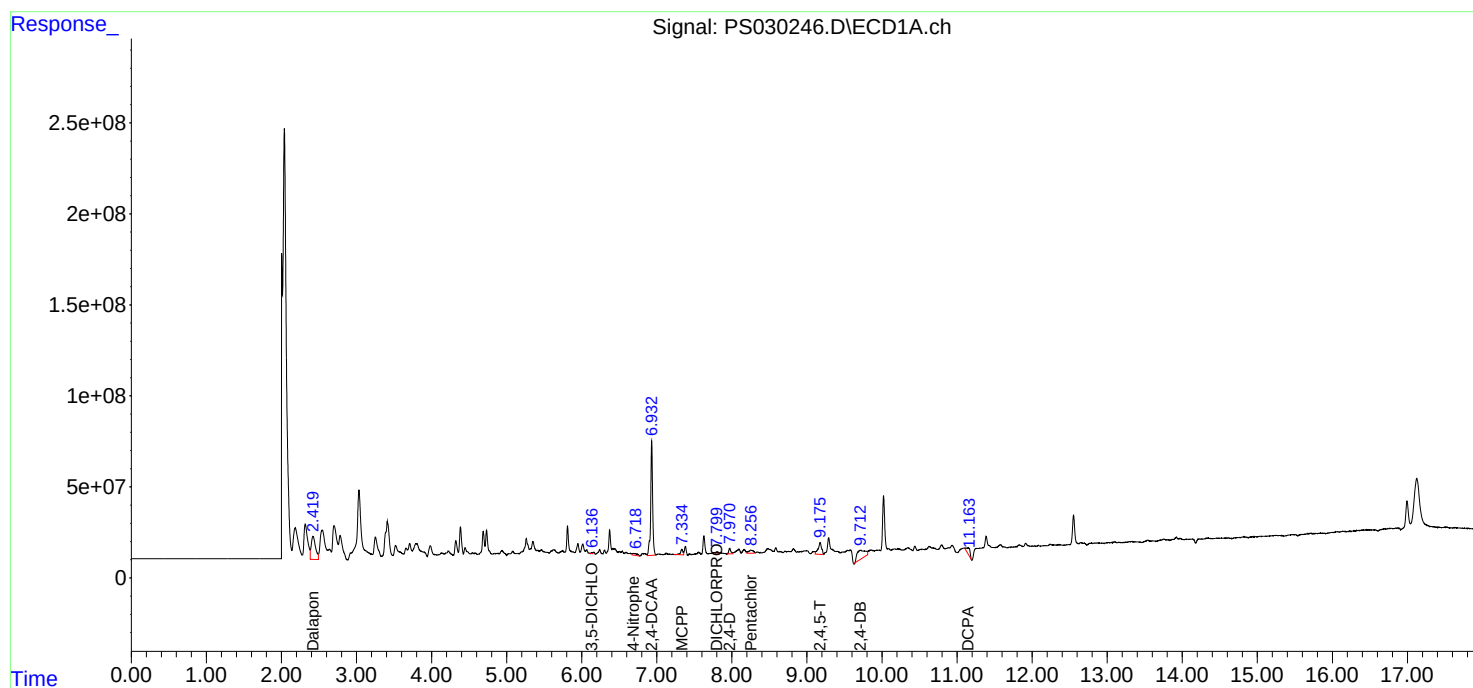
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

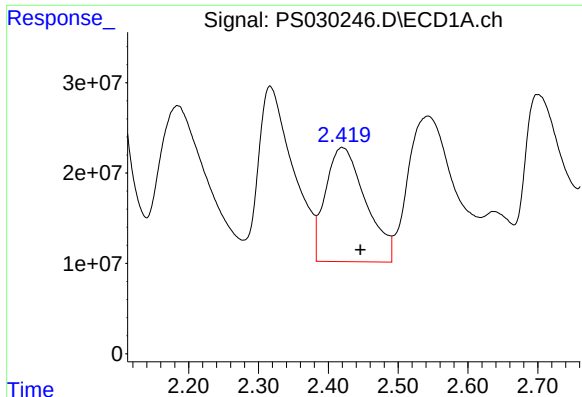
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030246.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 20:07
Operator : AR\AJ
Sample : Q1984-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-34-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:29:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

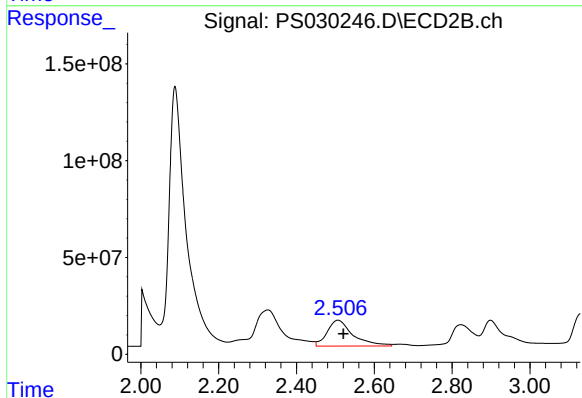




#1 Dalapon

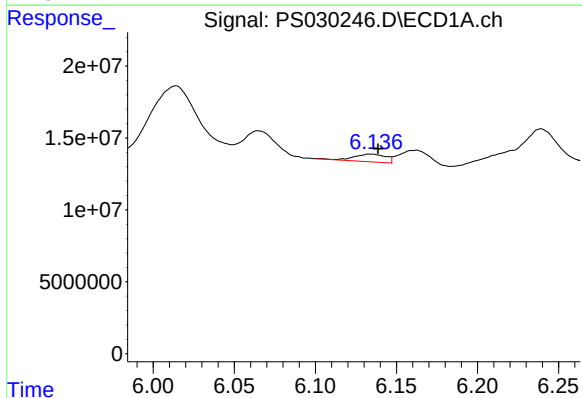
R.T.: 2.420 min
Delta R.T.: -0.026 min
Response: 504801779
Conc: 102.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-34-050725



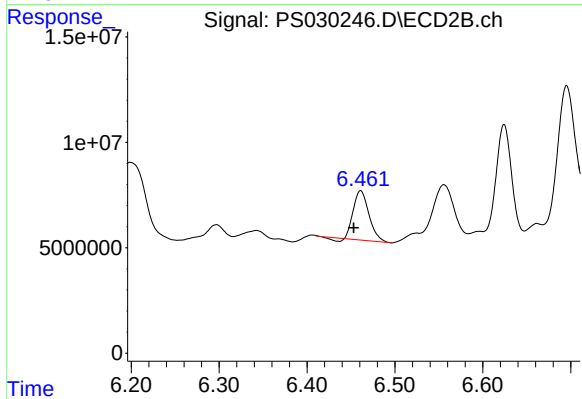
#1 Dalapon

R.T.: 2.506 min
Delta R.T.: -0.014 min
Response: 613601384
Conc: 302.11 ng/ml



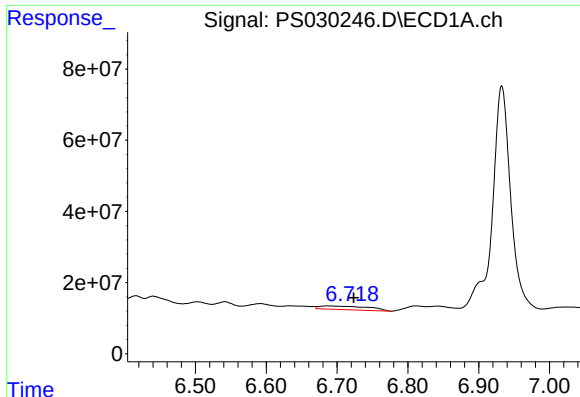
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.134 min
Delta R.T.: -0.004 min
Response: 7309524
Conc: 1.75 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

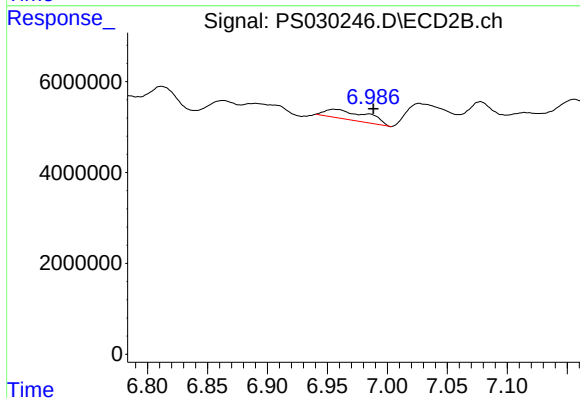
R.T.: 6.461 min
Delta R.T.: 0.008 min
Response: 28205091
Conc: 24.19 ng/ml



#3 4-Nitrophenol

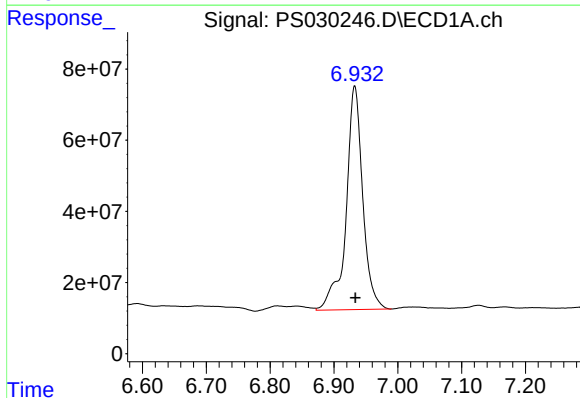
R.T.: 6.686 min
Delta R.T.: -0.037 min
Response: 48421314
Conc: 23.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-34-050725



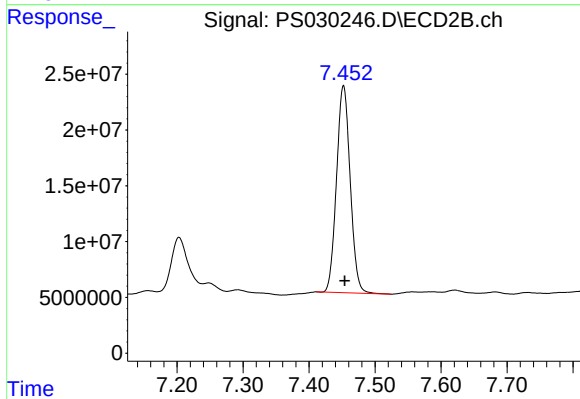
#3 4-Nitrophenol

R.T.: 6.956 min
Delta R.T.: -0.032 min
Response: 4988585
Conc: 4.78 ng/ml



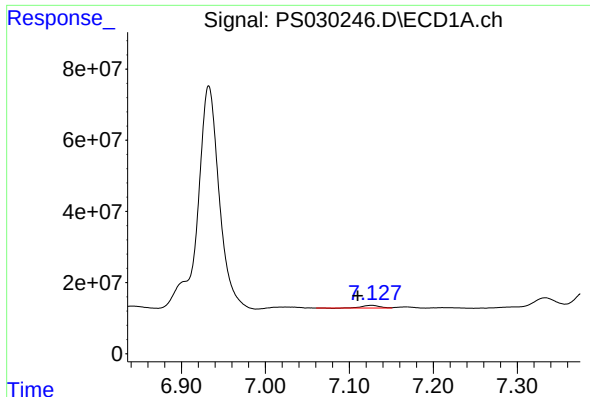
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 1137423292
Conc: 399.40 ng/ml



#4 2,4-DCAA

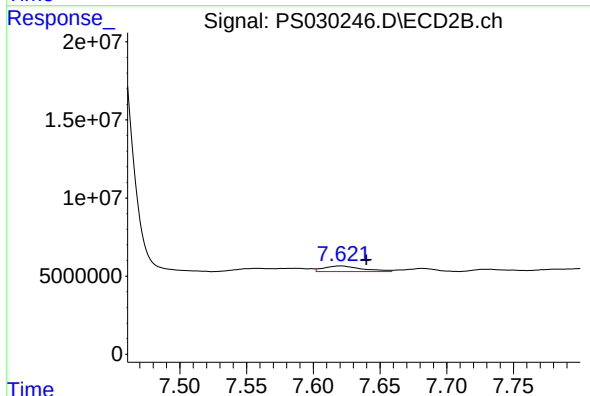
R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 267172873
Conc: 333.88 ng/ml



#5 DICAMBA

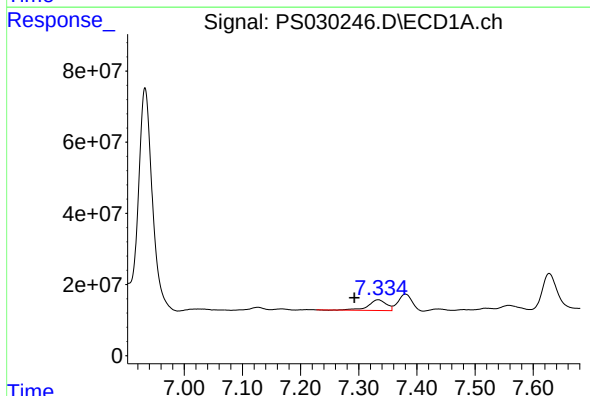
R.T.: 7.126 min
Delta R.T.: 0.016 min
Response: 10796492
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-34-050725



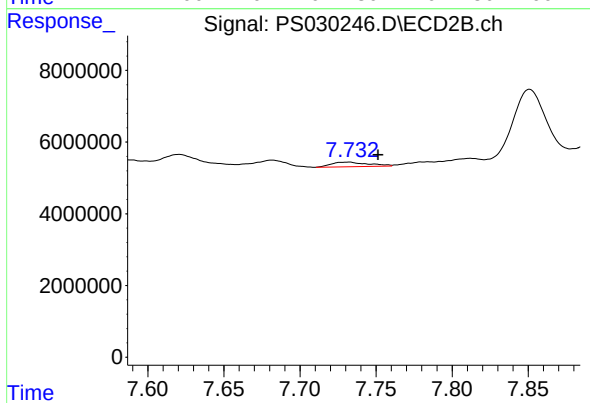
#5 DICAMBA

R.T.: 7.620 min
Delta R.T.: -0.019 min
Response: 7111599
Conc: 1.50 ng/ml



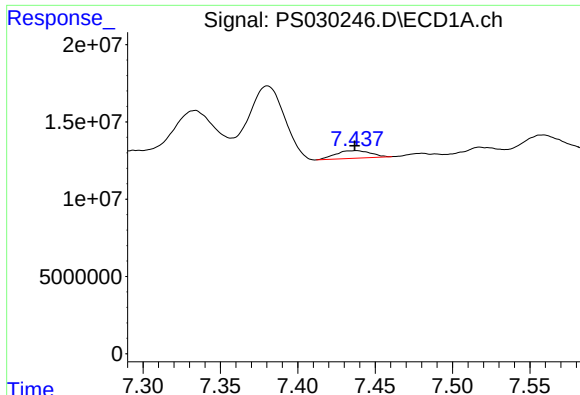
#6 MCP

R.T.: 7.333 min
Delta R.T.: 0.041 min
Response: 65643503
Conc: 9.01 ug/ml



#6 MCP

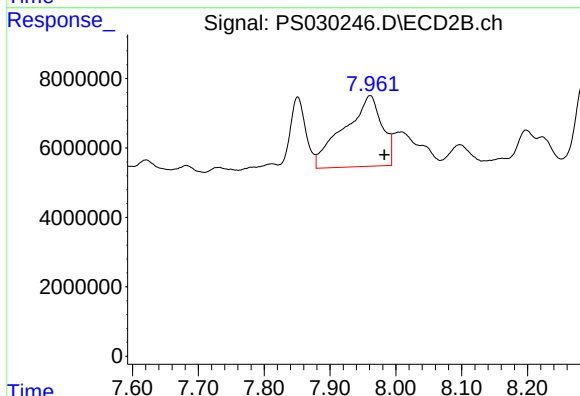
R.T.: 7.730 min
Delta R.T.: -0.021 min
Response: 2196438
Conc: 1.19 ug/ml



#7 MCPA

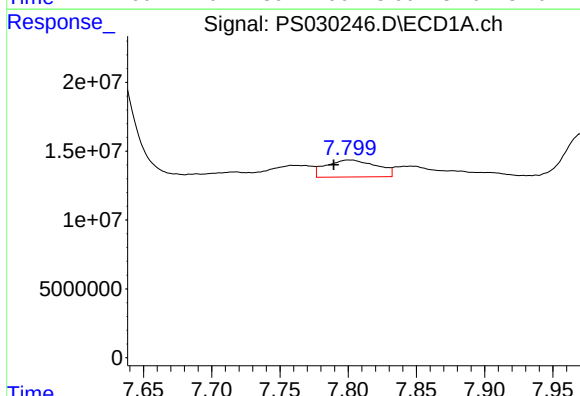
R.T.: 7.436 min
Delta R.T.: 0.000 min
Response: 7700369
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-34-050725



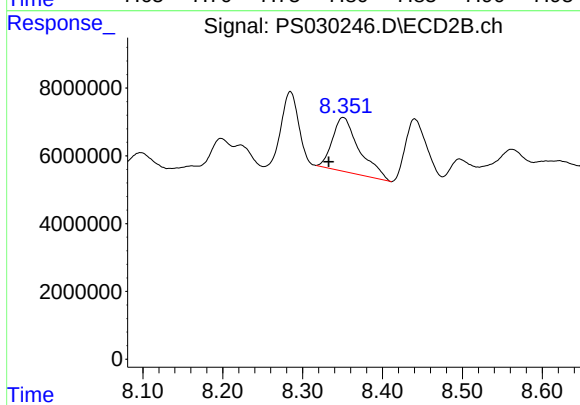
#7 MCPA

R.T.: 7.961 min
Delta R.T.: -0.022 min
Response: 81596417
Conc: 30.93 ug/ml



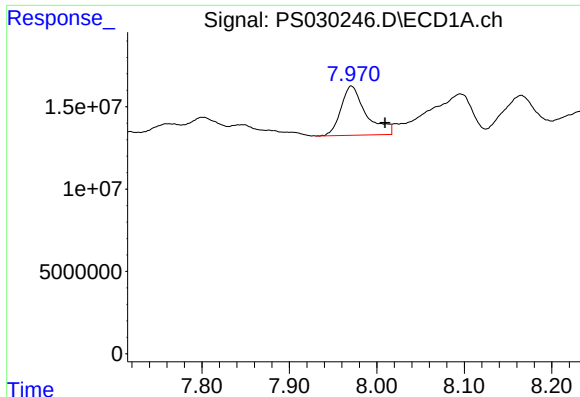
#8 DICHLORPROP

R.T.: 7.801 min
Delta R.T.: 0.012 min
Response: 31683755
Conc: 10.85 ng/ml



#8 DICHLORPROP

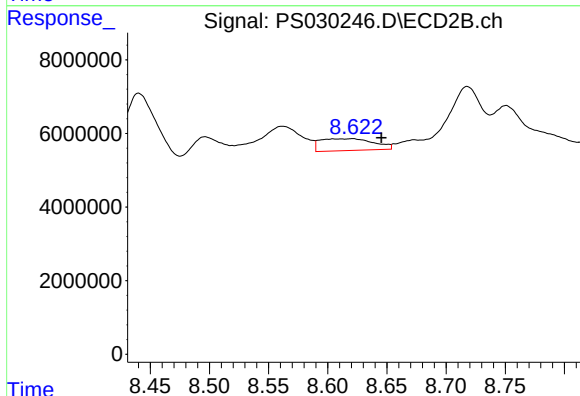
R.T.: 8.351 min
Delta R.T.: 0.018 min
Response: 37248250
Conc: 31.53 ng/ml



#9 2,4-D

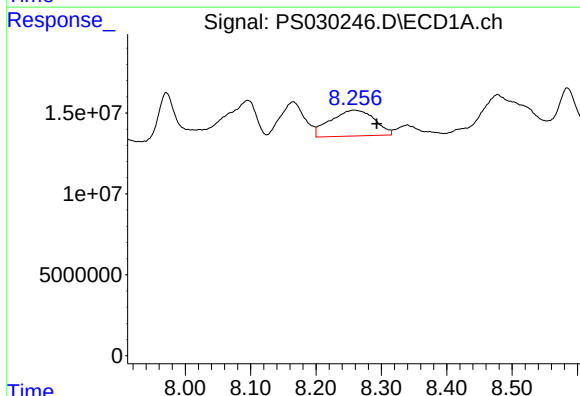
R.T.: 7.971 min
Delta R.T.: -0.038 min
Response: 59600642
Conc: 18.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-34-050725



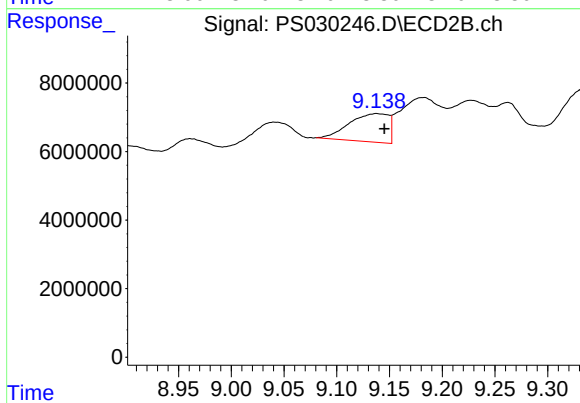
#9 2,4-D

R.T.: 8.620 min
Delta R.T.: -0.025 min
Response: 10100298
Conc: 7.83 ng/ml



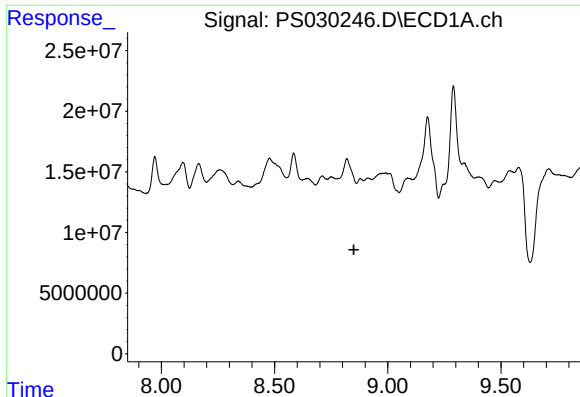
#10 Pentachlorophenol

R.T.: 8.258 min
Delta R.T.: -0.035 min
Response: 74622990
Conc: 1.84 ng/ml



#10 Pentachlorophenol

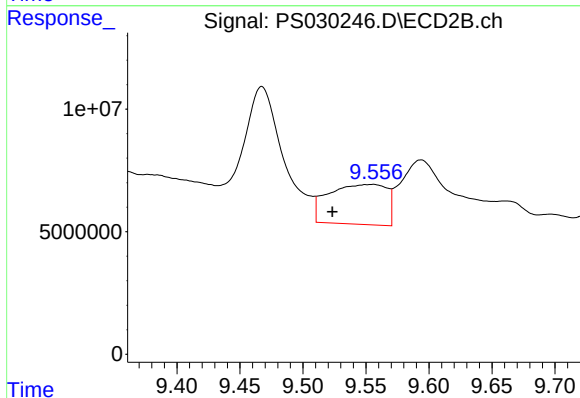
R.T.: 9.138 min
Delta R.T.: -0.007 min
Response: 21570910
Conc: N.D.



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

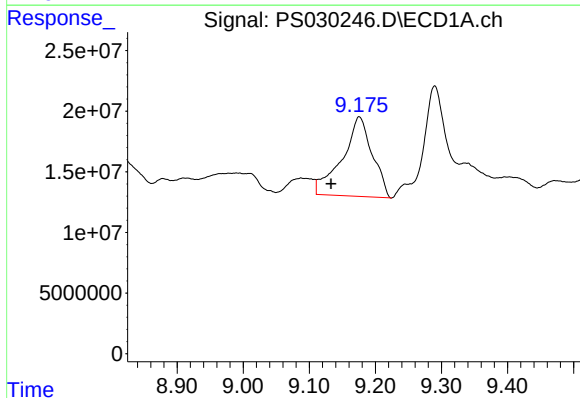
R.T.: 8.879 min
Delta R.T.: 0.028 min
Response: -12863721
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-34-050725



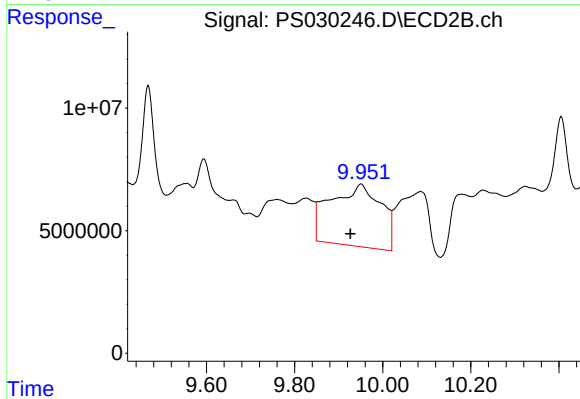
#11 2,4,5-TP (SILVEX)

R.T.: 9.554 min
Delta R.T.: 0.031 min
Response: 52240736
Conc: 5.30 ng/ml



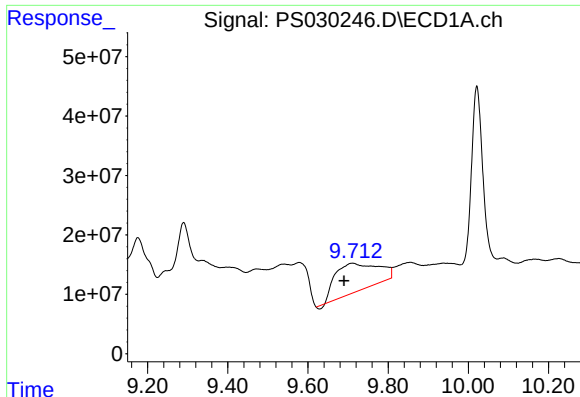
#12 2,4,5-T

R.T.: 9.176 min
Delta R.T.: 0.043 min
Response: 208020071
Conc: 12.60 ng/ml



#12 2,4,5-T

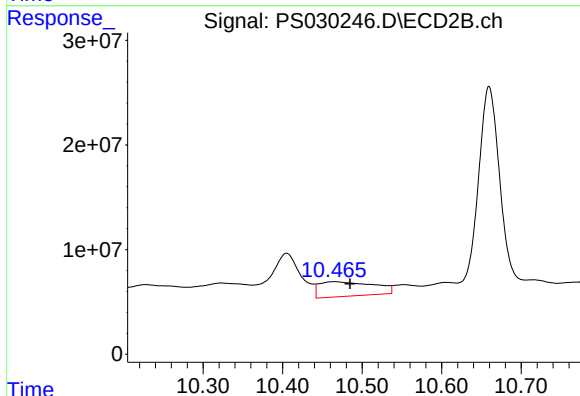
R.T.: 9.951 min
Delta R.T.: 0.024 min
Response: 200501488
Conc: 21.79 ng/ml



#13 2,4-DB

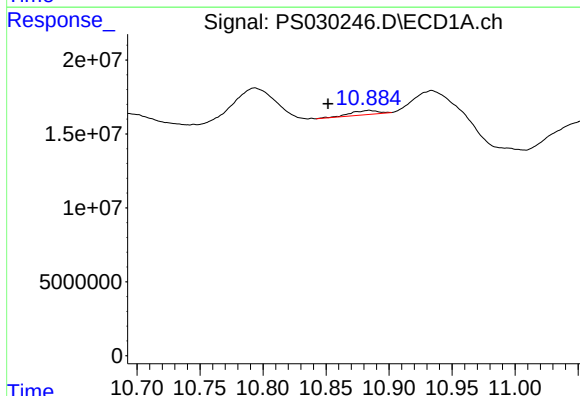
R.T.: 9.711 min
Delta R.T.: 0.021 min
Response: 349301499
Conc: 133.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-34-050725



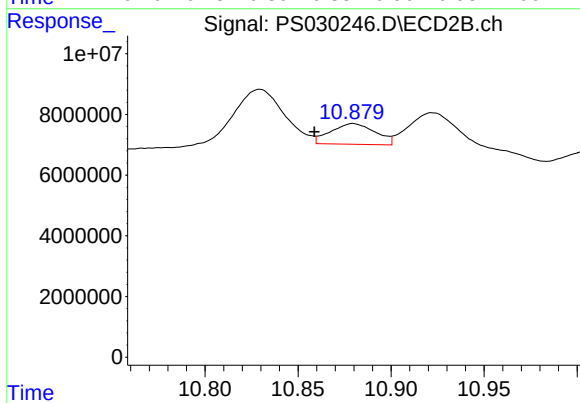
#13 2,4-DB

R.T.: 10.464 min
Delta R.T.: -0.021 min
Response: 66556538
Conc: 67.07 ng/ml



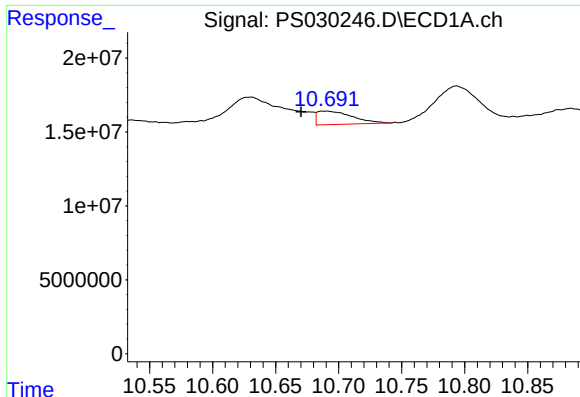
#14 DINOSEB

R.T.: 10.884 min
Delta R.T.: 0.033 min
Response: 4274268
Conc: N.D.



#14 DINOSEB

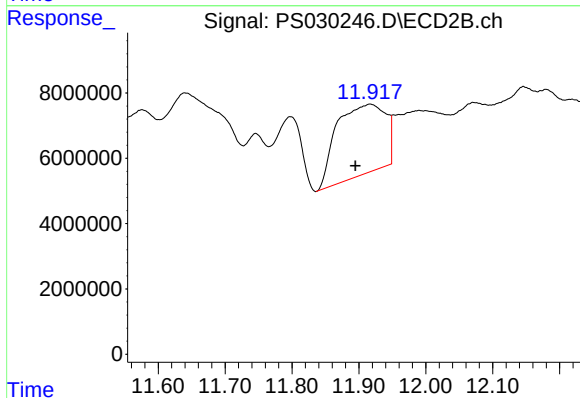
R.T.: 10.880 min
Delta R.T.: 0.021 min
Response: 11392323
Conc: 1.67 ng/ml



#15 Picloram

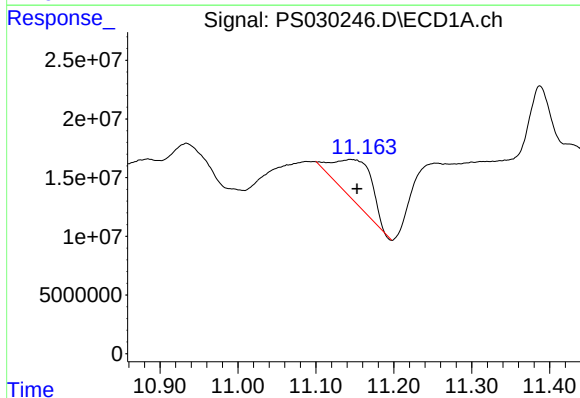
R.T.: 10.690 min
Delta R.T.: 0.019 min
Response: 17469481
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-PCS-TC-34-050725



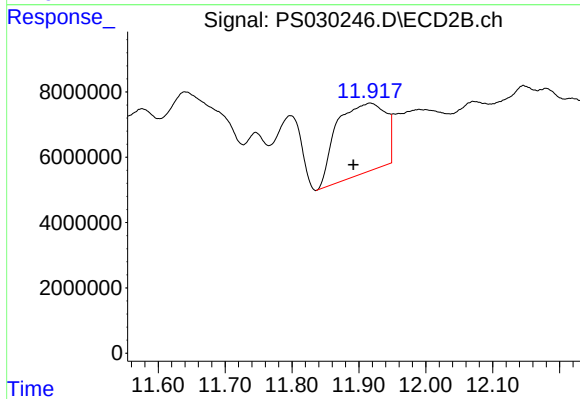
#15 Picloram

R.T.: 11.917 min
Delta R.T.: 0.022 min
Response: 109056276
Conc: 7.75 ng/ml



#16 DCPA

R.T.: 11.145 min
Delta R.T.: -0.008 min
Response: 117493507
Conc: 5.90 ng/ml



#16 DCPA

R.T.: 11.917 min
Delta R.T.: 0.025 min
Response: 109056276
Conc: 8.07 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030248.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 20:55
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:20:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.452	2108.0E6	601.7E6	740.233	751.944
Target Compounds							
1) T	Dalapon	2.446	2.520	3288.6E6	1364.2E6	669.051	671.681
2) T	3,5-DICHL...	6.137	6.451	2864.4E6	787.2E6	686.826	675.226
3) T	4-Nitroph...	6.723	6.987	1419.1E6	659.1E6	687.027	631.329
5) T	DICAMBA	7.109	7.637	8144.3E6	3422.2E6	704.681	723.824
6) T	MCPD	7.288	7.745	513.3E6	131.0E6	70.486	71.190
7) T	MCPA	7.431	7.975	731.8E6	178.0E6	70.495	67.501
8) T	DICHLORPROP	7.789	8.330	2027.6E6	822.6E6	694.058	696.238
9) T	2,4-D	8.009	8.642	2296.4E6	928.0E6	700.346	719.139
10) T	Pentachlo...	8.286	9.142	29157.7E6	18178.2E6	719.930	736.407
11) T	2,4,5-TP ...	8.849	9.520	11555.6E6	7160.3E6	713.486	726.906
12) T	2,4,5-T	9.131	9.924	11841.8E6	6652.8E6	717.027	722.852
13) T	2,4-DB	9.689	10.481	1996.1E6	639.6E6	764.871	644.472
14) T	DINOSEB	10.849	10.855	8004.1E6	4864.5E6	699.878	712.015
15) T	Picloram	10.669	11.890	15349.6E6	20690.6E6	717.708	1470.224 #
16) T	DCPA	11.151	11.890	14243.4E6	20690.6E6	715.338	1531.447 #

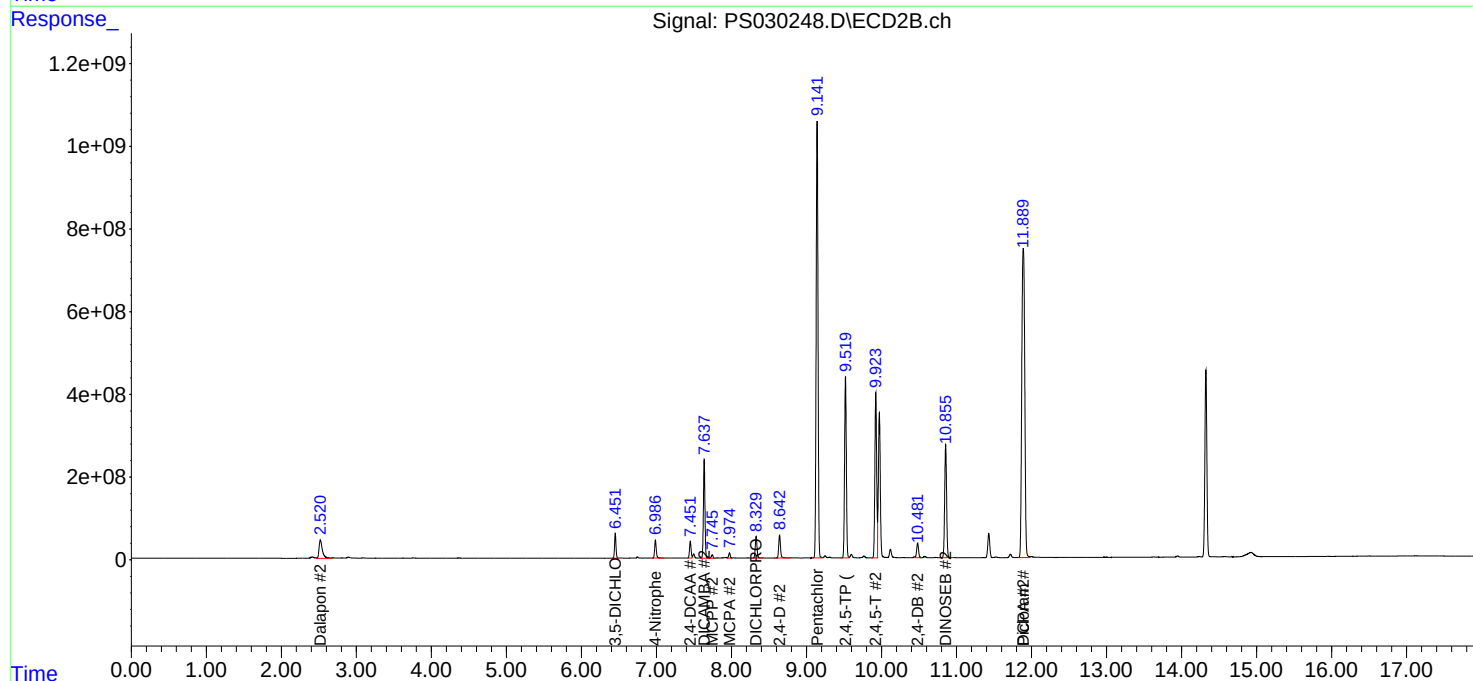
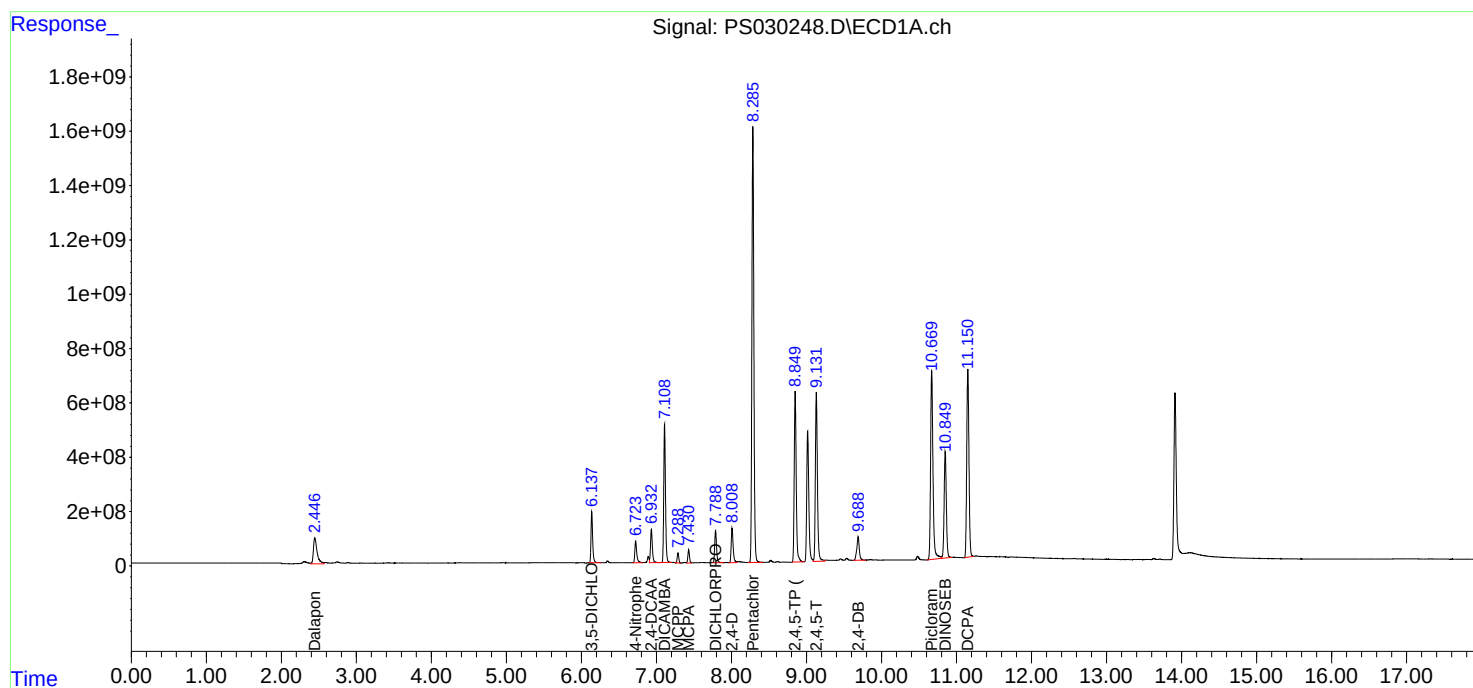
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

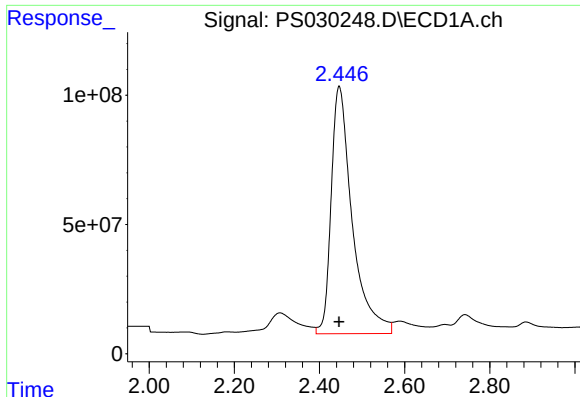
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 20:55
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:20:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

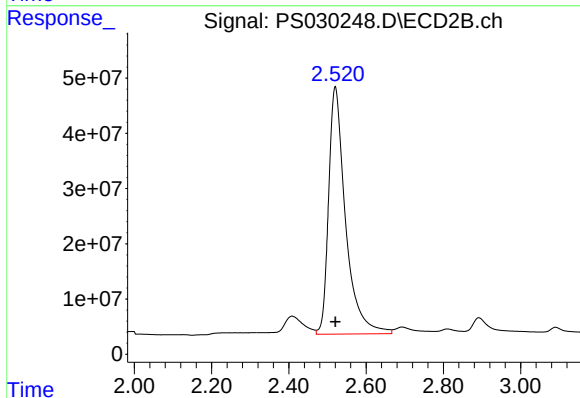




#1 Dalapon

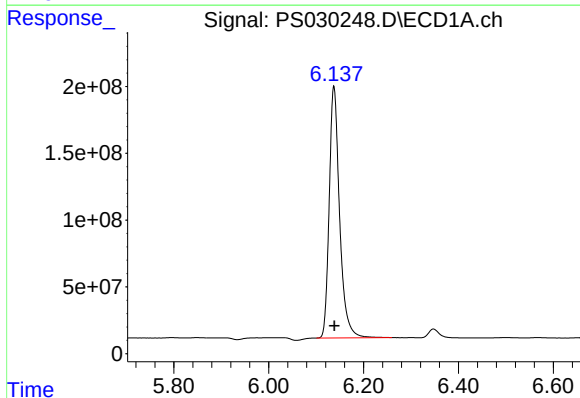
R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 3288625147
Conc: 669.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



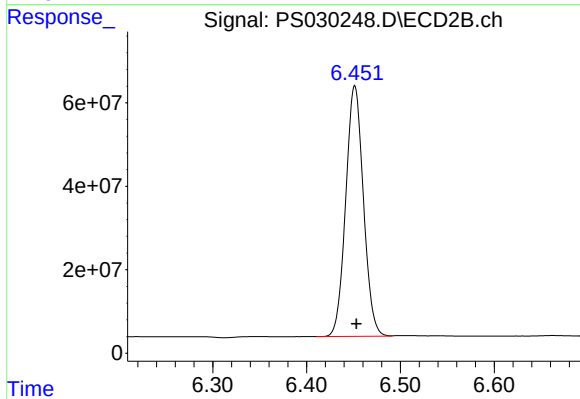
#1 Dalapon

R.T.: 2.520 min
Delta R.T.: 0.000 min
Response: 1364217501
Conc: 671.68 ng/ml



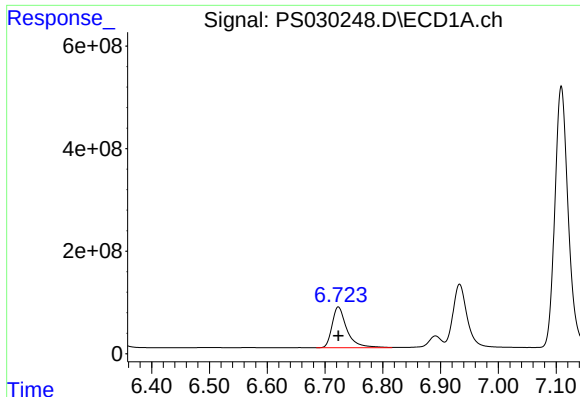
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.137 min
Delta R.T.: -0.001 min
Response: 2864444842
Conc: 686.83 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

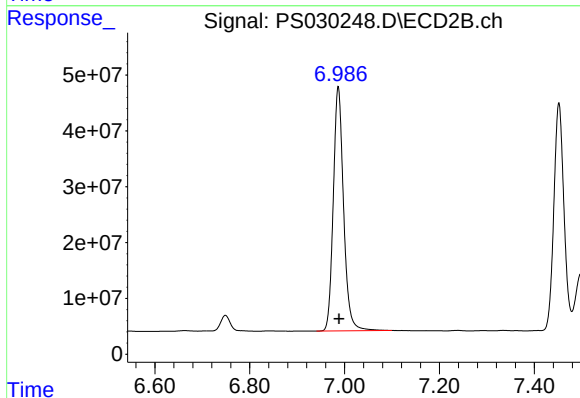
R.T.: 6.451 min
Delta R.T.: -0.002 min
Response: 787198781
Conc: 675.23 ng/ml



#3 4-Nitrophenol

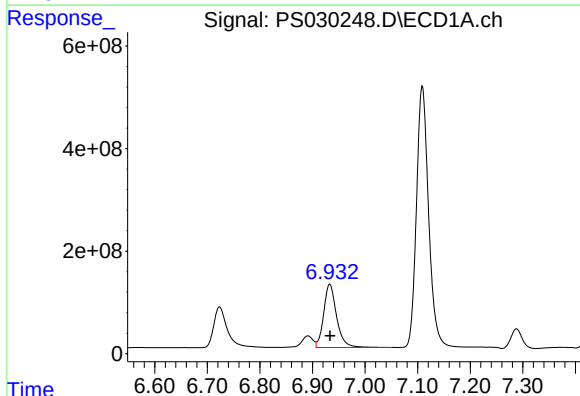
R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 1419132845
Conc: 687.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



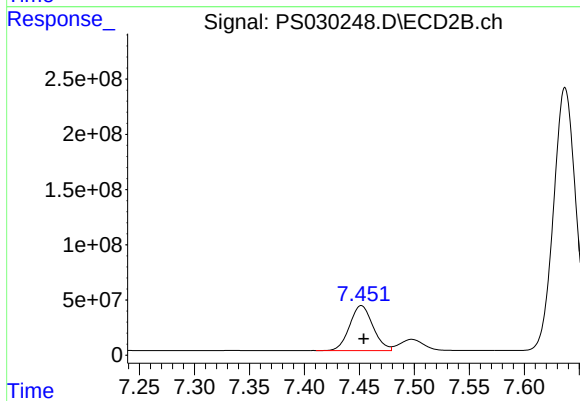
#3 4-Nitrophenol

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 659127287
Conc: 631.33 ng/ml



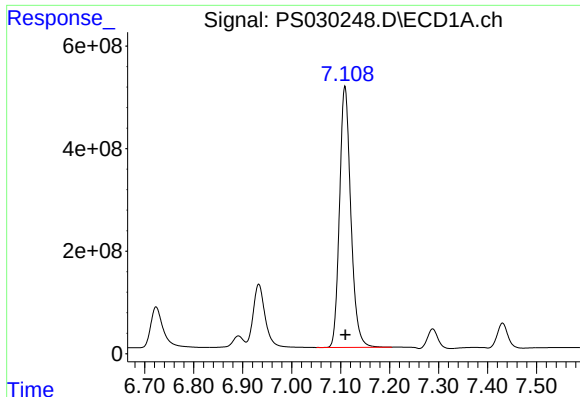
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 2108040894
Conc: 740.23 ng/ml



#4 2,4-DCAA

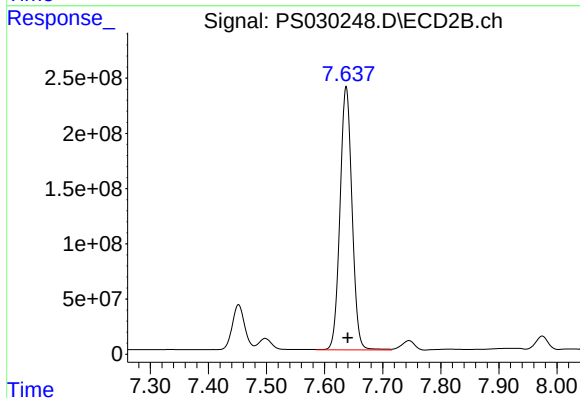
R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 601708142
Conc: 751.94 ng/ml



#5 DICAMBA

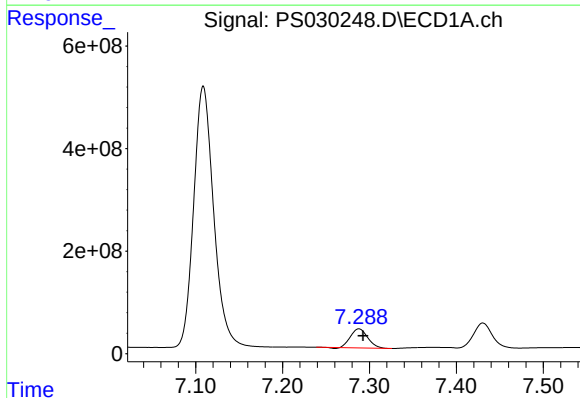
R.T.: 7.109 min
Delta R.T.: -0.001 min
Response: 8144255680
Conc: 704.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



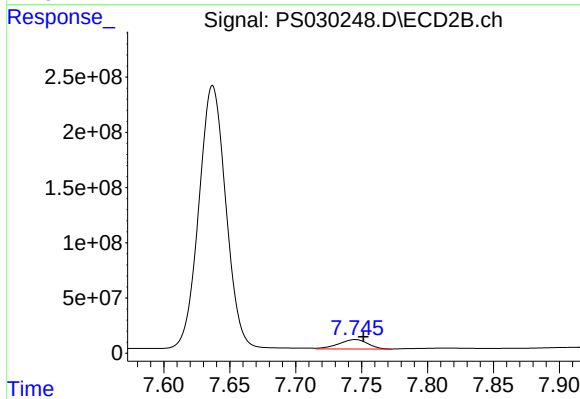
#5 DICAMBA

R.T.: 7.637 min
Delta R.T.: -0.003 min
Response: 3422224730
Conc: 723.82 ng/ml



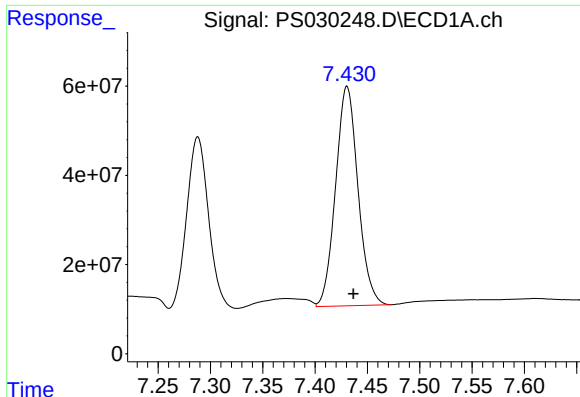
#6 MCP

R.T.: 7.288 min
Delta R.T.: -0.005 min
Response: 513326719
Conc: 70.49 ug/ml



#6 MCP

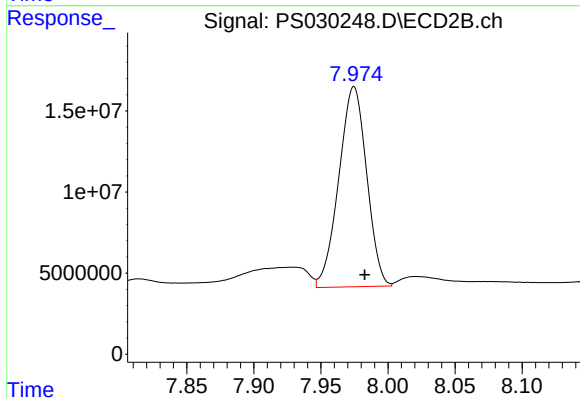
R.T.: 7.745 min
Delta R.T.: -0.006 min
Response: 130972667
Conc: 71.19 ug/ml



#7 MCPA

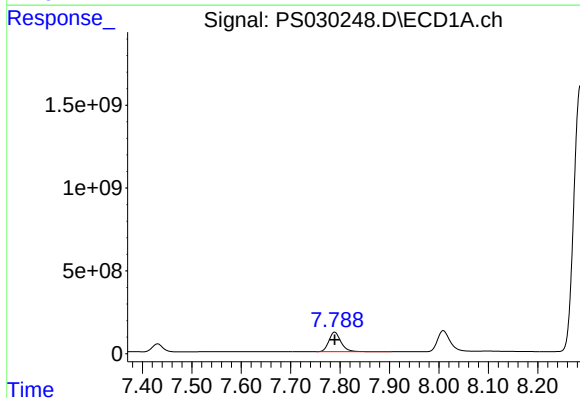
R.T.: 7.431 min
Delta R.T.: -0.006 min
Response: 731803500
Conc: 70.50 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



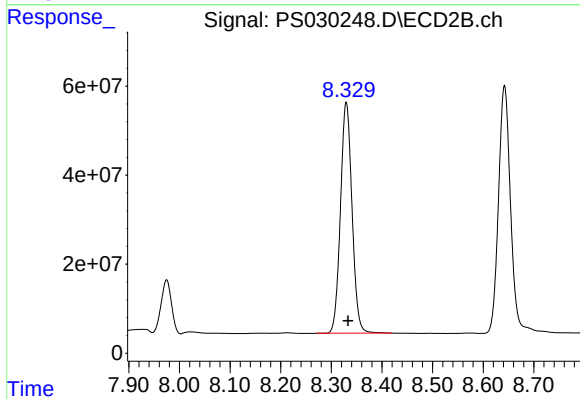
#7 MCPA

R.T.: 7.975 min
Delta R.T.: -0.008 min
Response: 178045534
Conc: 67.50 ug/ml



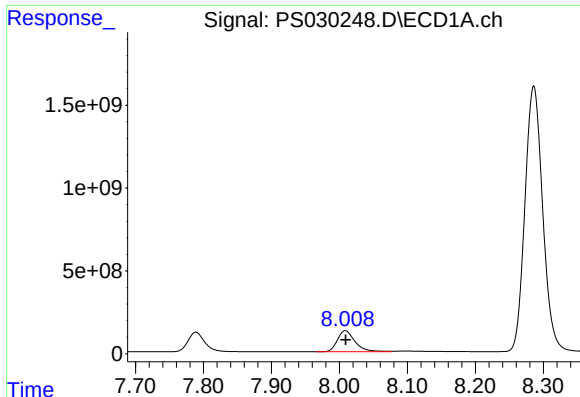
#8 DICHLORPROP

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 2027581270
Conc: 694.06 ng/ml



#8 DICHLORPROP

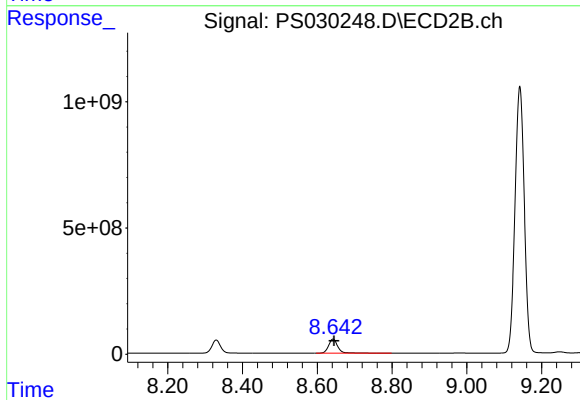
R.T.: 8.330 min
Delta R.T.: -0.003 min
Response: 822558963
Conc: 696.24 ng/ml



#9 2,4-D

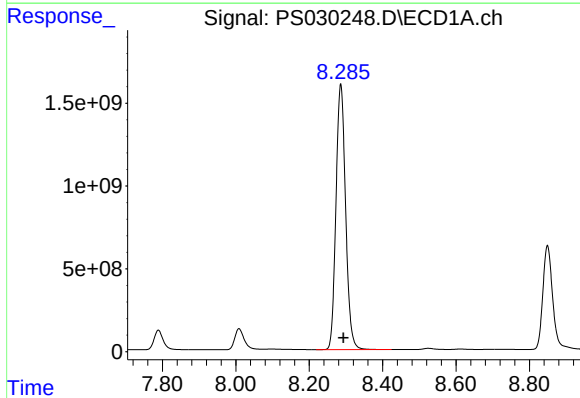
R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 2296389103
Conc: 700.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



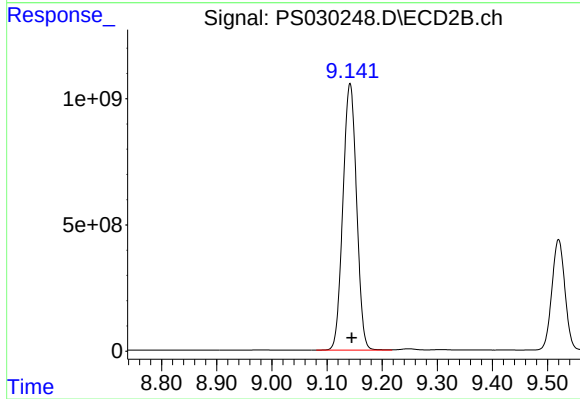
#9 2,4-D

R.T.: 8.642 min
Delta R.T.: -0.003 min
Response: 928049133
Conc: 719.14 ng/ml



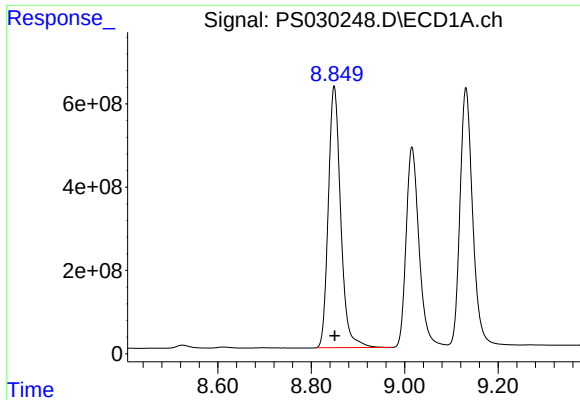
#10 Pentachlorophenol

R.T.: 8.286 min
Delta R.T.: -0.007 min
Response: 29157703949
Conc: 719.93 ng/ml



#10 Pentachlorophenol

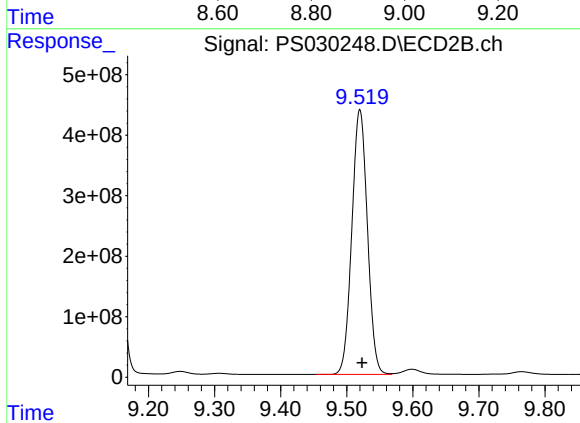
R.T.: 9.142 min
Delta R.T.: -0.003 min
Response: 18178178296
Conc: 736.41 ng/ml



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

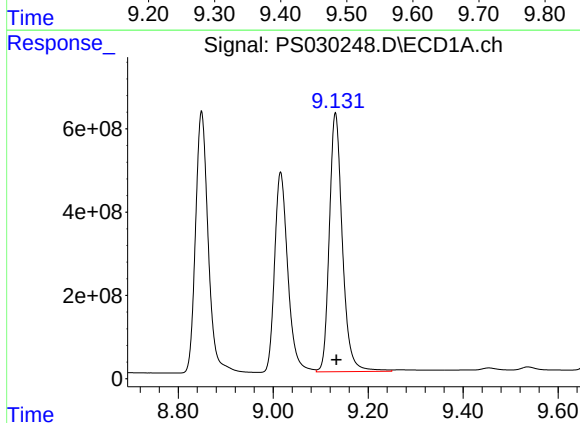
R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 11555609684
Conc: 713.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



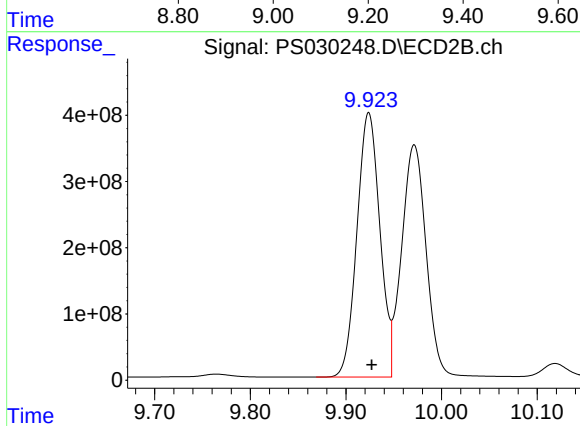
#11 2,4,5-TP (SILVEX)

R.T.: 9.520 min
Delta R.T.: -0.003 min
Response: 7160340461
Conc: 726.91 ng/ml



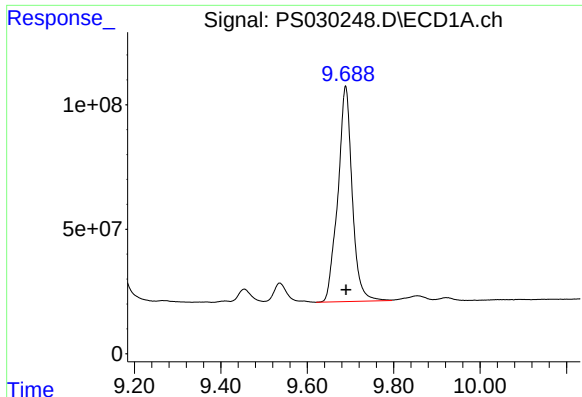
#12 2,4,5-T

R.T.: 9.131 min
Delta R.T.: -0.002 min
Response: 11841834096
Conc: 717.03 ng/ml



#12 2,4,5-T

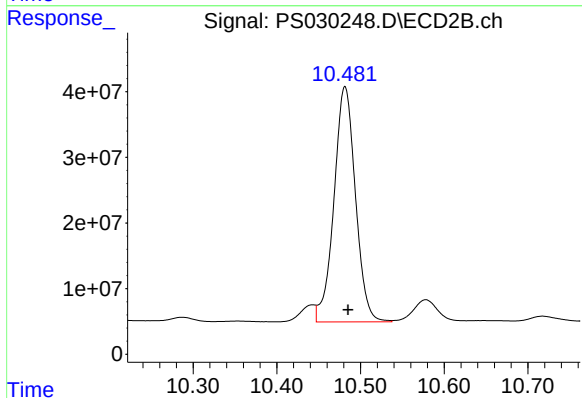
R.T.: 9.924 min
Delta R.T.: -0.003 min
Response: 6652841706
Conc: 722.85 ng/ml



#13 2,4-DB

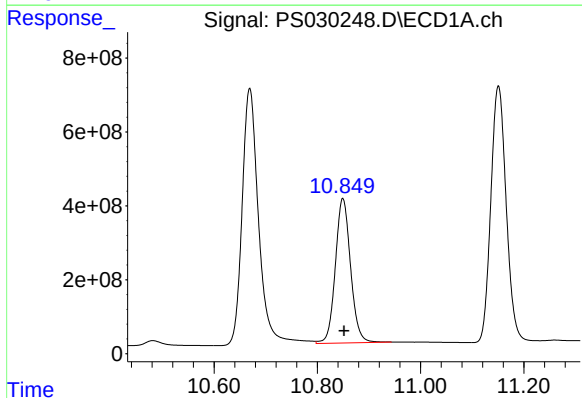
R.T.: 9.689 min
Delta R.T.: -0.001 min
Response: 1996140535
Conc: 764.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



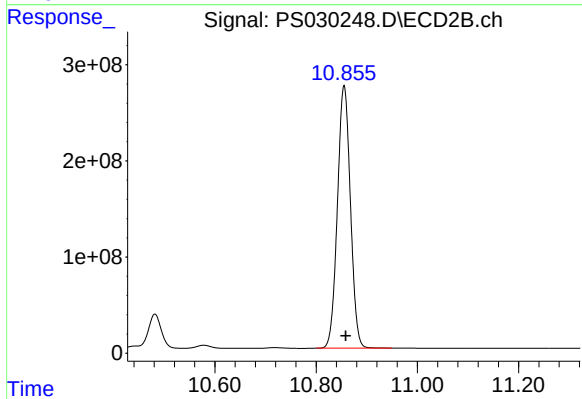
#13 2,4-DB

R.T.: 10.481 min
Delta R.T.: -0.004 min
Response: 639555758
Conc: 644.47 ng/ml



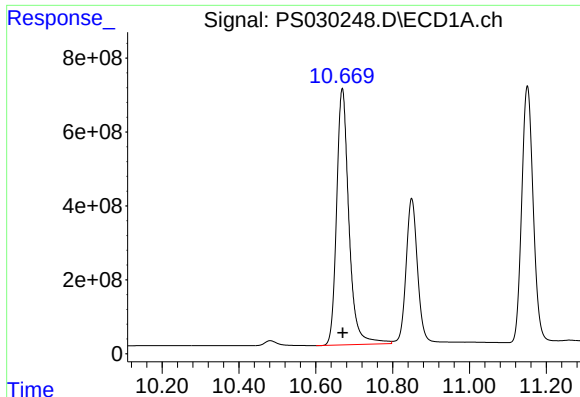
#14 DINOSEB

R.T.: 10.849 min
Delta R.T.: -0.002 min
Response: 8004056714
Conc: 699.88 ng/ml



#14 DINOSEB

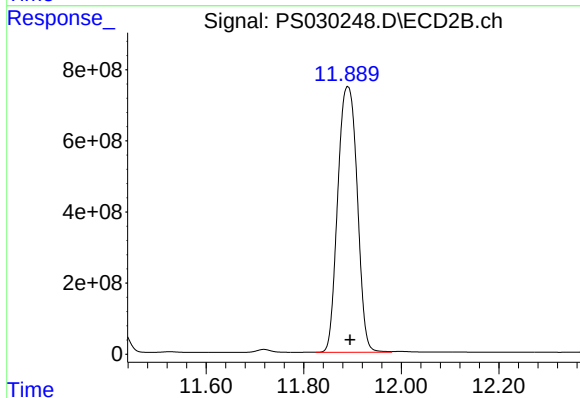
R.T.: 10.855 min
Delta R.T.: -0.004 min
Response: 4864476280
Conc: 712.02 ng/ml



#15 Picloram

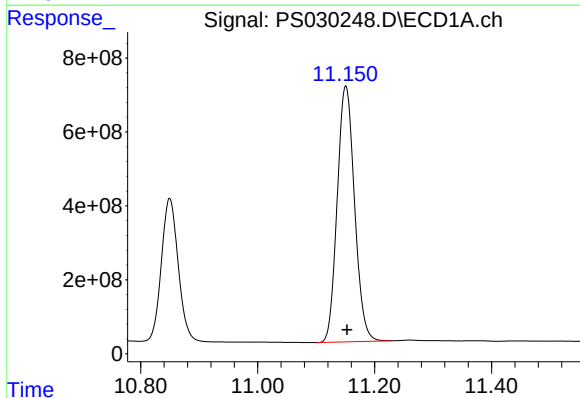
R.T.: 10.669 min
Delta R.T.: -0.001 min
Response: 15349601387
Conc: 717.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



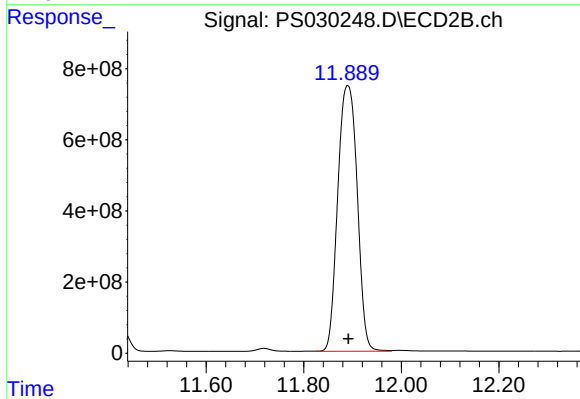
#15 Picloram

R.T.: 11.890 min
Delta R.T.: -0.005 min
Response: 20690635991
Conc: 1470.22 ng/ml



#16 DCPA

R.T.: 11.151 min
Delta R.T.: -0.002 min
Response: 14243444459
Conc: 715.34 ng/ml



#16 DCPA

R.T.: 11.890 min
Delta R.T.: -0.002 min
Response: 20690635991
Conc: 1531.45 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030250.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 21:43
 Operator : AR\AJ
 Sample : Q1984-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 OU4-TS-24-050725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:30:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.452	559.4E6	151.4E6	196.427	189.239
Target Compounds							
1) T	Dalapon	2.423	2.514	581.4E6	1169.1E6	118.277	575.597 #
2) T	3,5-DICHL...	6.139	6.466	13636297	-364933	3.270	N.D. #
3) T	4-Nitroph...	6.747	6.956f	8816500	8601682	4.268	8.239 #
5) T	DICAMBA	7.123	7.620	25514054	9195833	2.208	1.945
6) T	MCP	7.262f	7.727	5393868	46928833	<MDL	25.508 #
7) T	MCPA	7.446	7.960	28040580	133.8E6	2.701	50.714 #
8) T	DICHLORPROP	7.802	8.349	107.2E6	42792516	36.697	36.221
9) T	2,4-D	8.017	8.646	35183946	17475646	10.730	13.542 #
10) T	Pentachlo...	0.000	9.133	0	26783486	N.D.	1.085
11) T	2,4,5-TP ...	8.842	9.558f	5436554	41417887	<MDL	4.205 #
12) T	2,4,5-T	9.164f	9.896f	81705482	222.5E6	4.947	24.170 #
13) T	2,4-DB	9.714	10.468	342.5E6	89891611	131.256	90.583 #
14) T	DINOSEB	10.847	10.879	30436071	36718160	2.661	5.374 #
15) T	Picloram	10.628f	11.920	143.7E6	55913681	6.720	3.973 #
16) T	DCPA	11.153	11.868	116.2E6	36181705	5.835	2.678 #

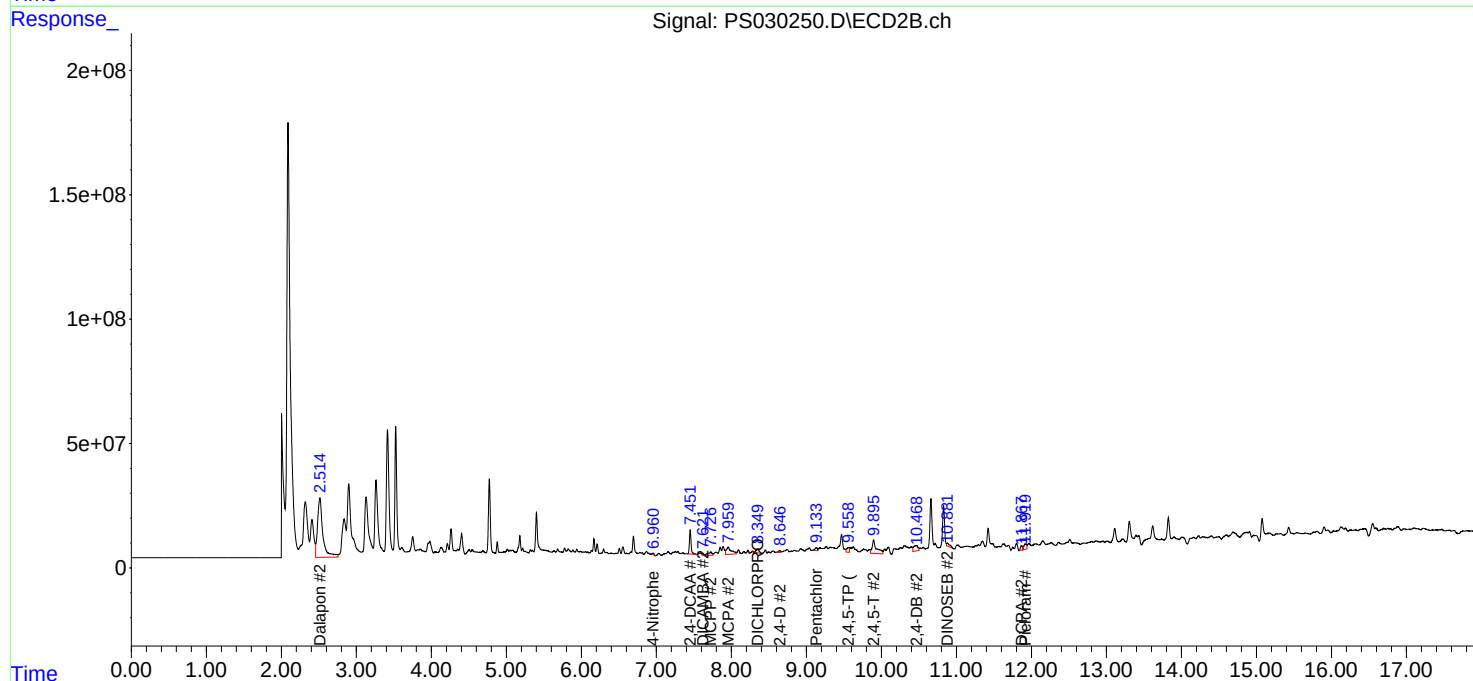
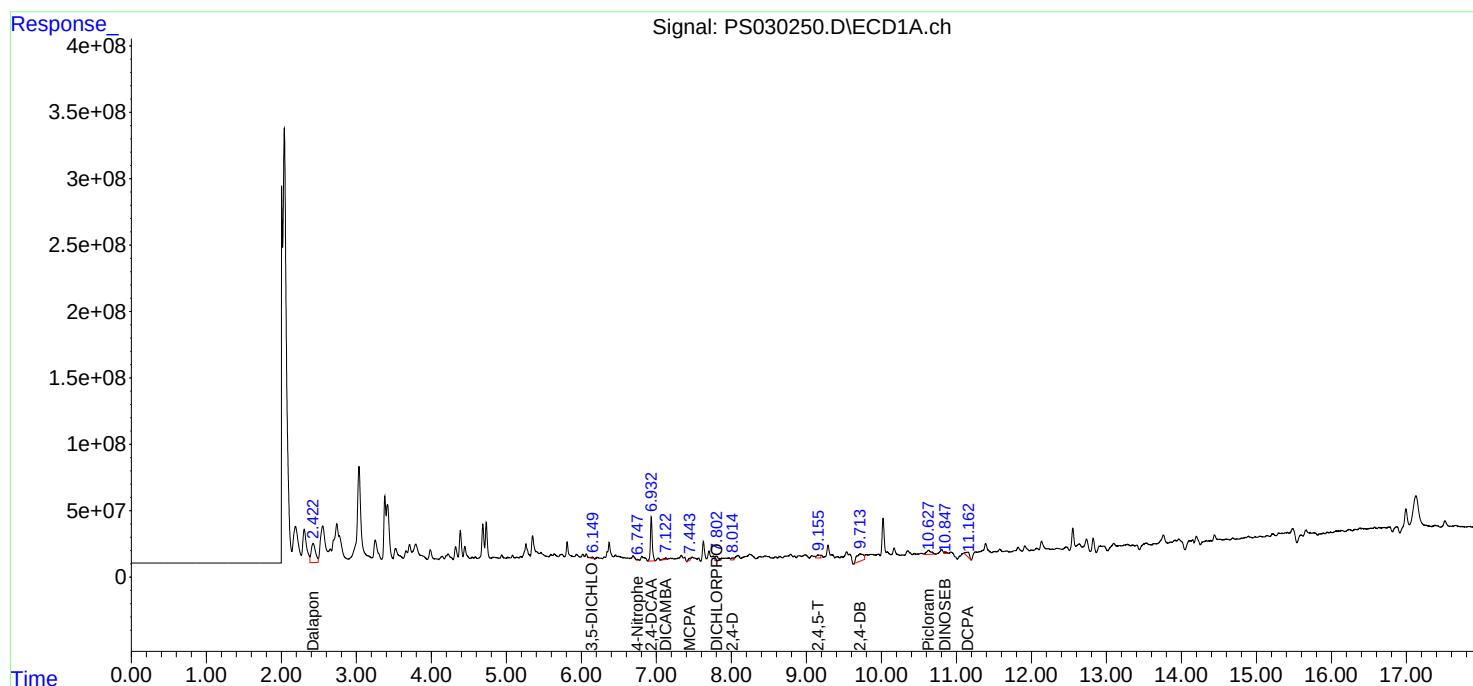
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

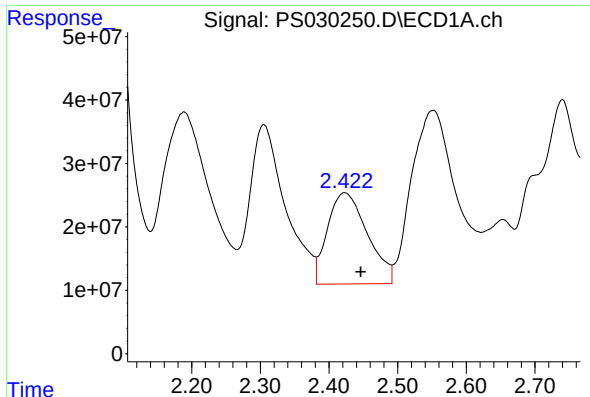
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030250.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 21:43
Operator : AR\AJ
Sample : Q1984-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:30:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

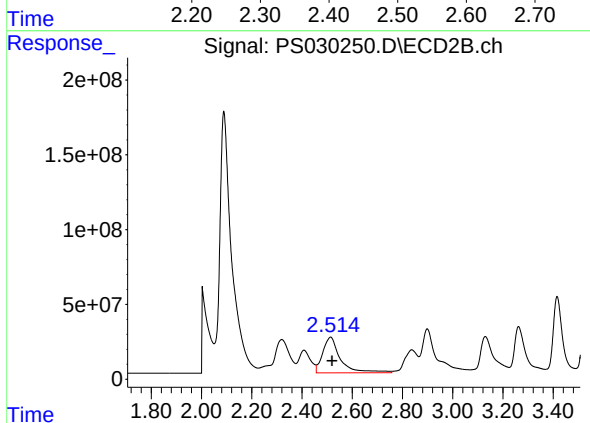




#1 Dalapon

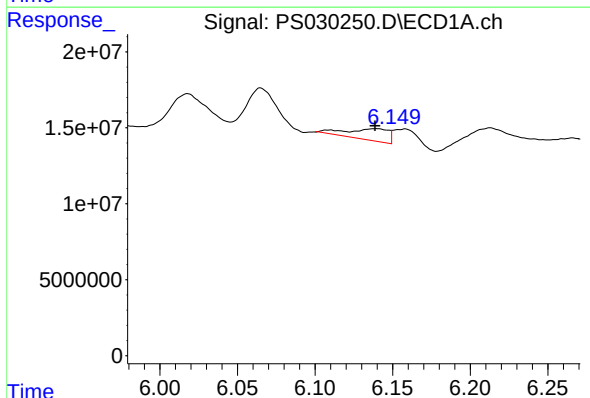
R.T.: 2.423 min
Delta R.T.: -0.023 min
Response: 581373164
Conc: 118.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725



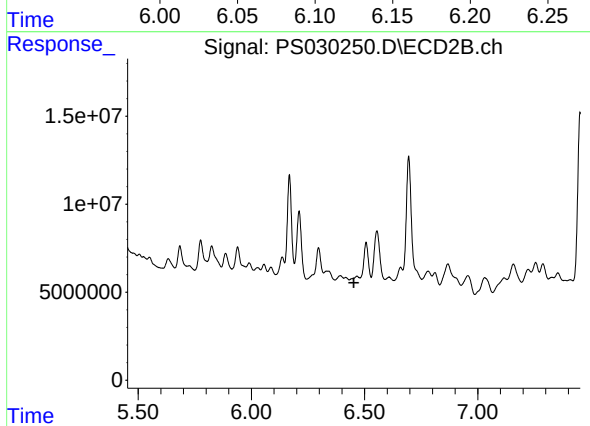
#1 Dalapon

R.T.: 2.514 min
Delta R.T.: -0.006 min
Response: 1169066501
Conc: 575.60 ng/ml



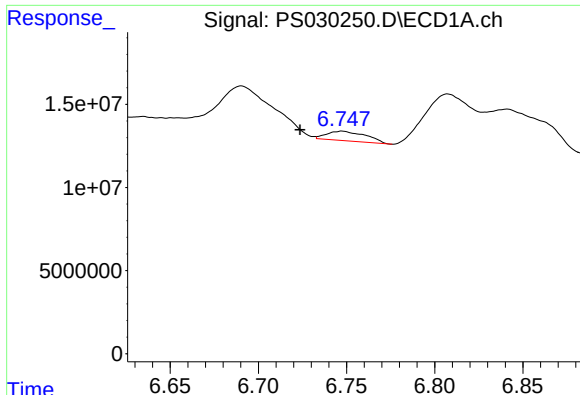
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 13636297
Conc: 3.27 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

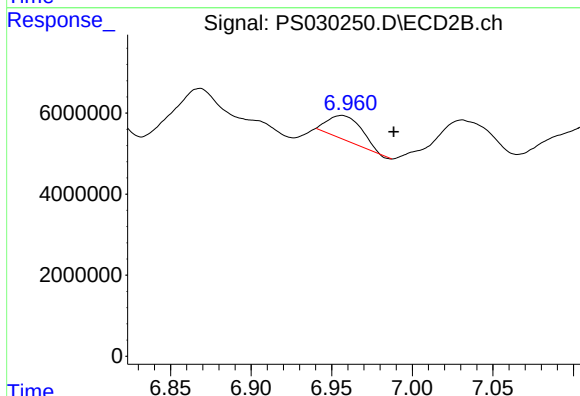
R.T.: 6.466 min
Delta R.T.: 0.013 min
Response: -364933
Conc: N.D.



#3 4-Nitrophenol

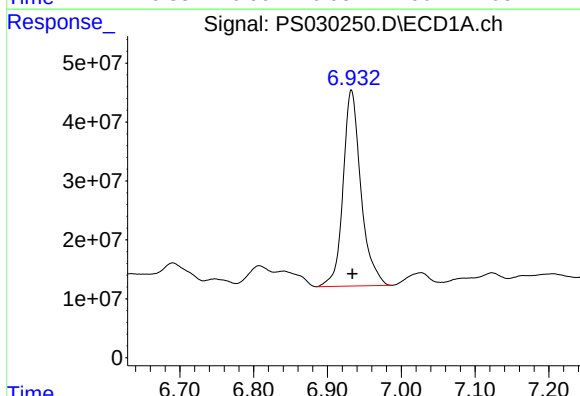
R.T.: 6.747 min
Delta R.T.: 0.024 min
Response: 8816500
Conc: 4.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725



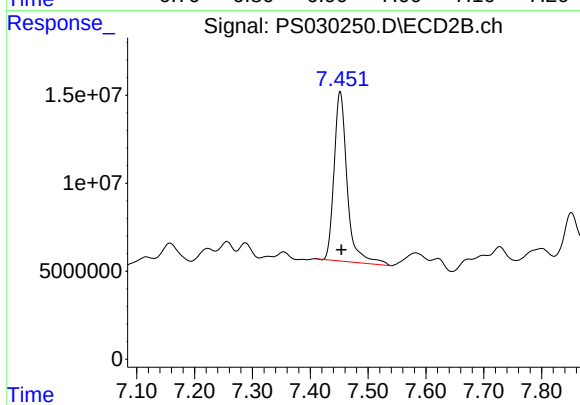
#3 4-Nitrophenol

R.T.: 6.956 min
Delta R.T.: -0.032 min
Response: 8601682
Conc: 8.24 ng/ml



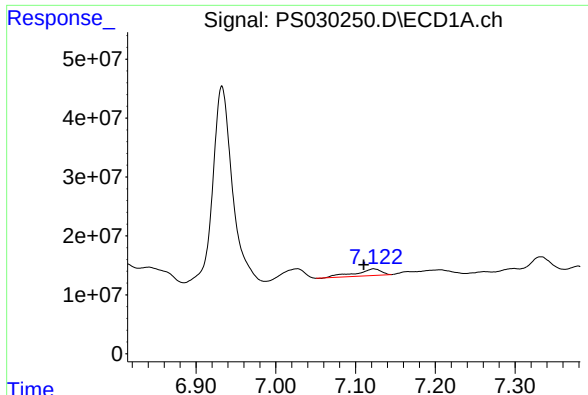
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 559385182
Conc: 196.43 ng/ml



#4 2,4-DCAA

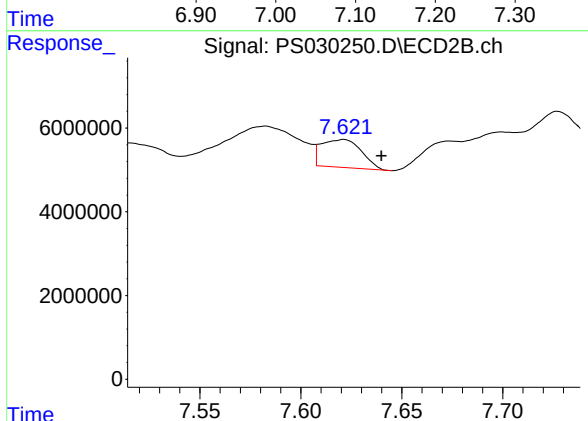
R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 151429987
Conc: 189.24 ng/ml



#5 DICAMBA

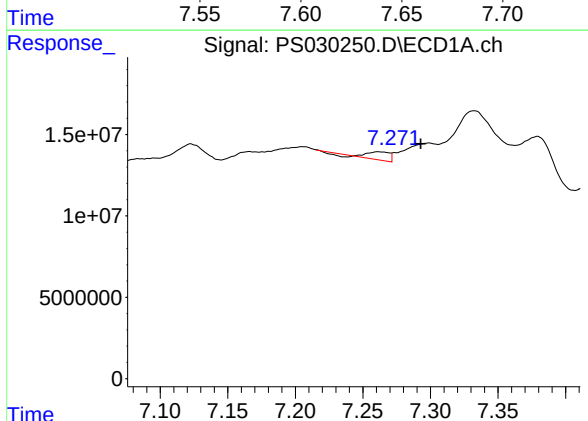
R.T.: 7.123 min
Delta R.T.: 0.013 min
Response: 25514054
Conc: 2.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725



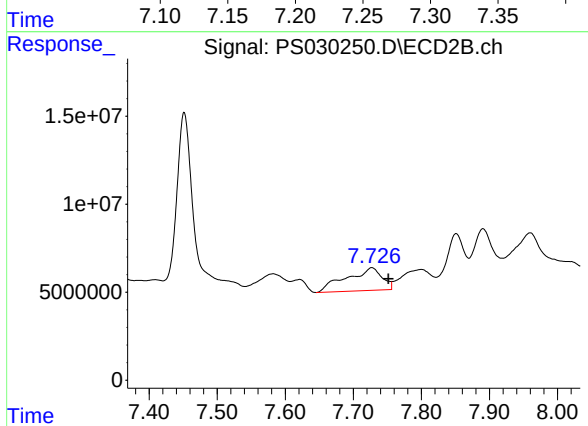
#5 DICAMBA

R.T.: 7.620 min
Delta R.T.: -0.020 min
Response: 9195833
Conc: 1.94 ng/ml



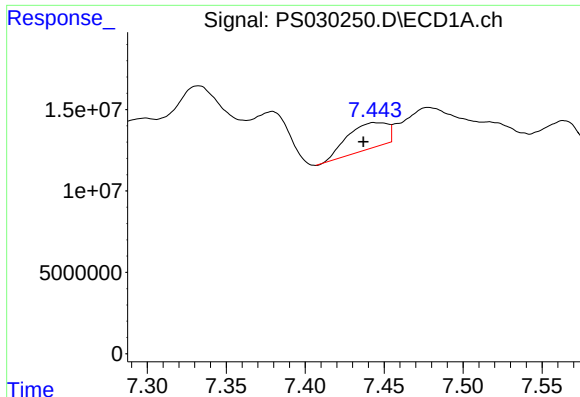
#6 MCPP

R.T.: 7.262 min
Delta R.T.: -0.031 min
Response: 5393868
Conc: N.D.



#6 MCPP

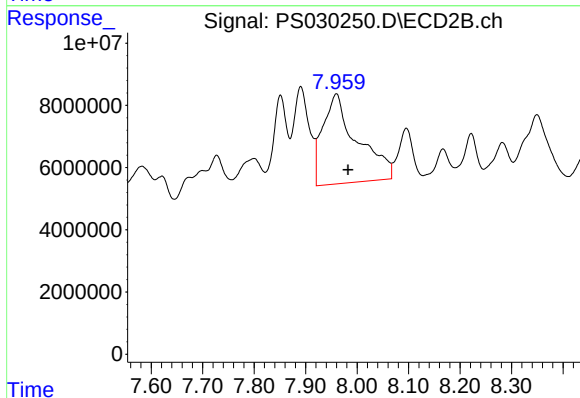
R.T.: 7.727 min
Delta R.T.: -0.024 min
Response: 46928833
Conc: 25.51 ug/ml



#7 MCPA

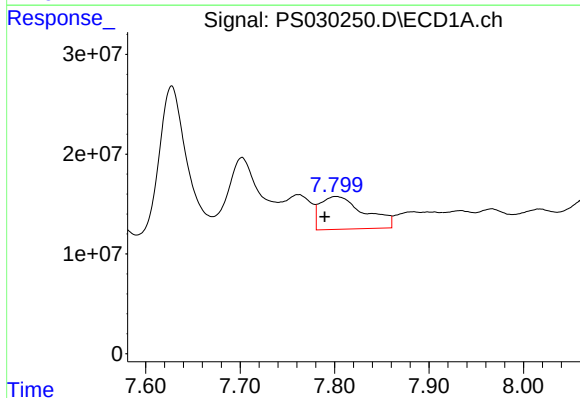
R.T.: 7.446 min
Delta R.T.: 0.009 min
Response: 28040580
Conc: 2.70 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725



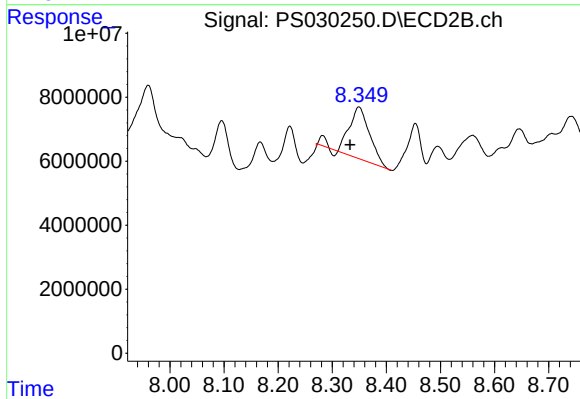
#7 MCPA

R.T.: 7.960 min
Delta R.T.: -0.023 min
Response: 133768436
Conc: 50.71 ug/ml



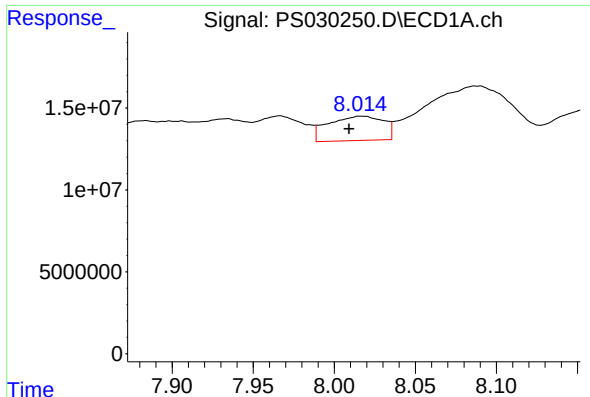
#8 DICHLORPROP

R.T.: 7.802 min
Delta R.T.: 0.012 min
Response: 107206028
Conc: 36.70 ng/ml



#8 DICHLORPROP

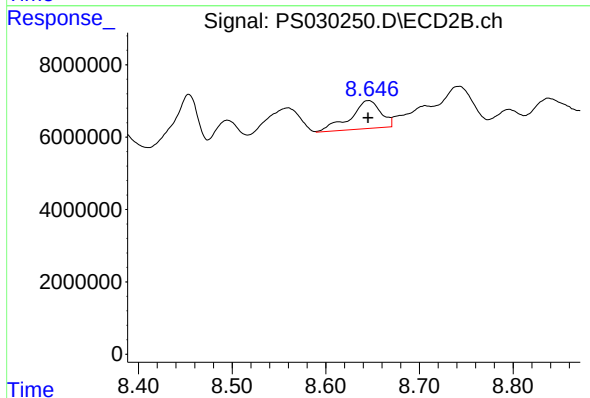
R.T.: 8.349 min
Delta R.T.: 0.016 min
Response: 42792516
Conc: 36.22 ng/ml



#9 2,4-D

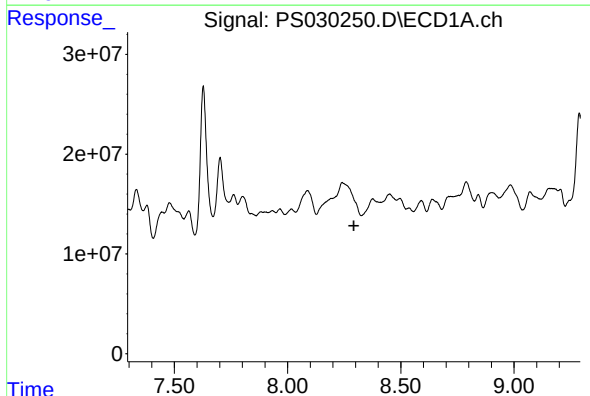
R.T.: 8.017 min
Delta R.T.: 0.008 min
Response: 35183946
Conc: 10.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725



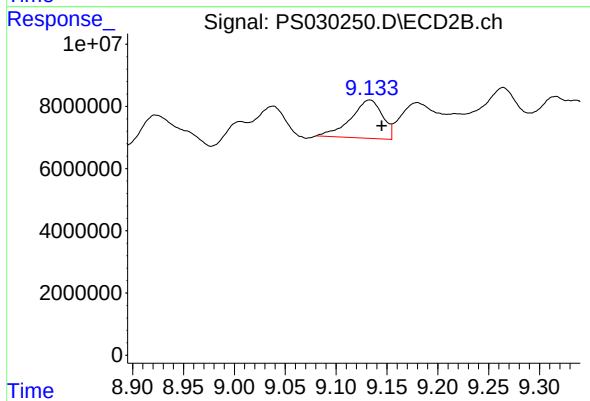
#9 2,4-D

R.T.: 8.646 min
Delta R.T.: 0.000 min
Response: 17475646
Conc: 13.54 ng/ml



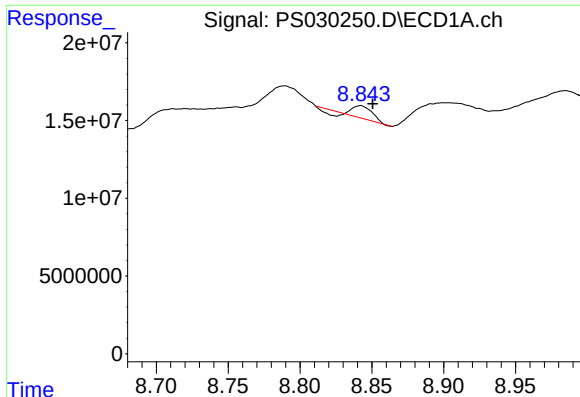
#10 Pentachlorophenol

R.T.: 0.000 min
Exp R.T. : 8.293 min
Response: 0
Conc: N.D.



#10 Pentachlorophenol

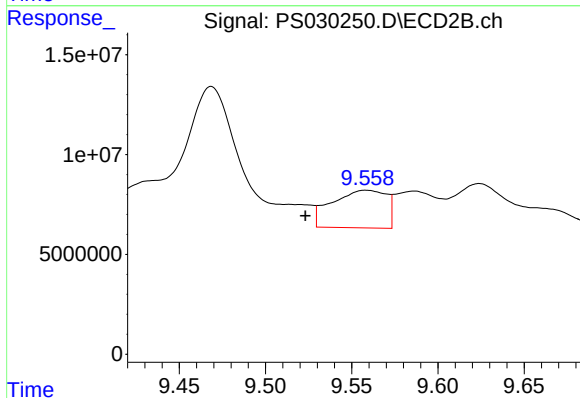
R.T.: 9.133 min
Delta R.T.: -0.012 min
Response: 26783486
Conc: 1.09 ng/ml



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

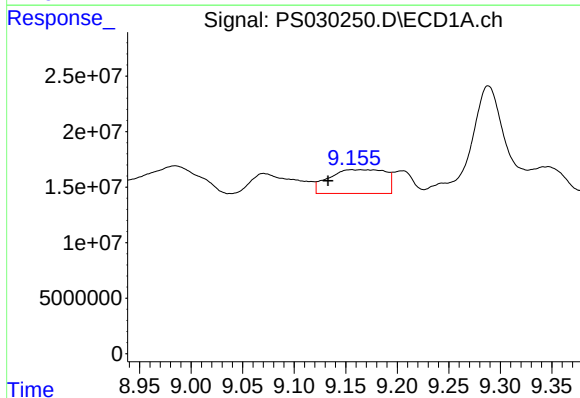
R.T.: 8.842 min
Delta R.T.: -0.009 min
Response: 5436554
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725



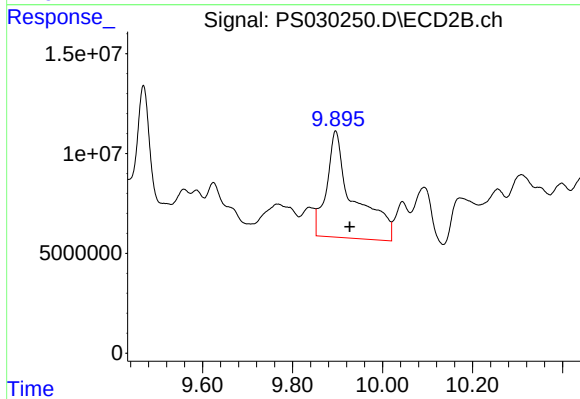
#11 2,4,5-TP (SILVEX)

R.T.: 9.558 min
Delta R.T.: 0.035 min
Response: 41417887
Conc: 4.20 ng/ml



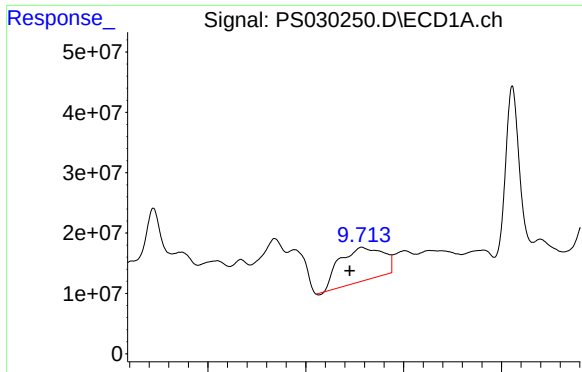
#12 2,4,5-T

R.T.: 9.164 min
Delta R.T.: 0.031 min
Response: 81705482
Conc: 4.95 ng/ml



#12 2,4,5-T

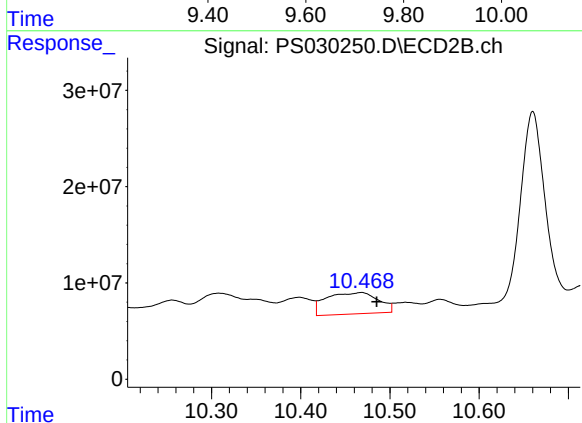
R.T.: 9.896 min
Delta R.T.: -0.031 min
Response: 222452848
Conc: 24.17 ng/ml



#13 2,4-DB

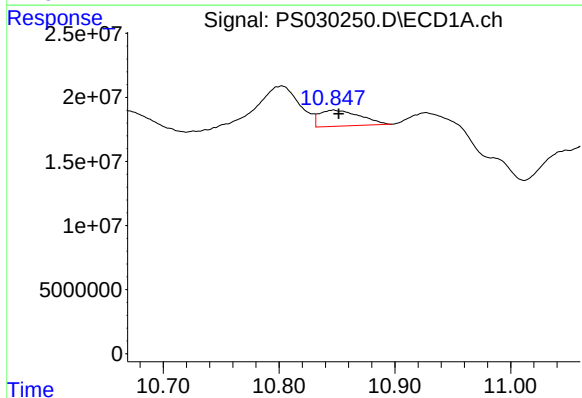
R.T.: 9.714 min
Delta R.T.: 0.024 min
Response: 342549721
Conc: 131.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725



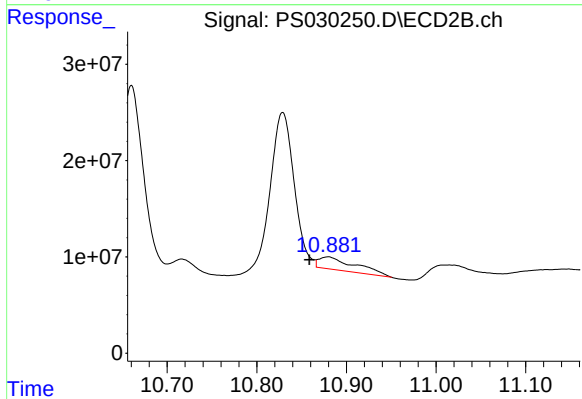
#13 2,4-DB

R.T.: 10.468 min
Delta R.T.: -0.017 min
Response: 89891611
Conc: 90.58 ng/ml



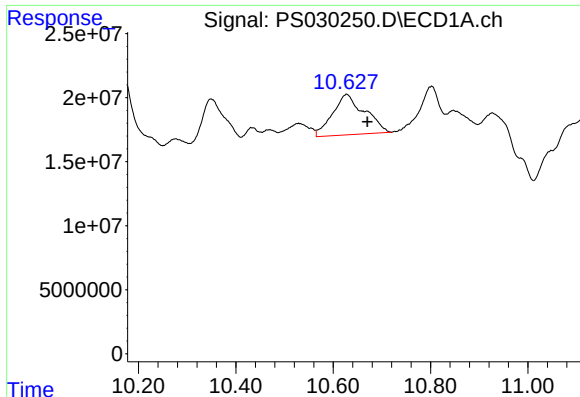
#14 DINOSEB

R.T.: 10.847 min
Delta R.T.: -0.004 min
Response: 30436071
Conc: 2.66 ng/ml



#14 DINOSEB

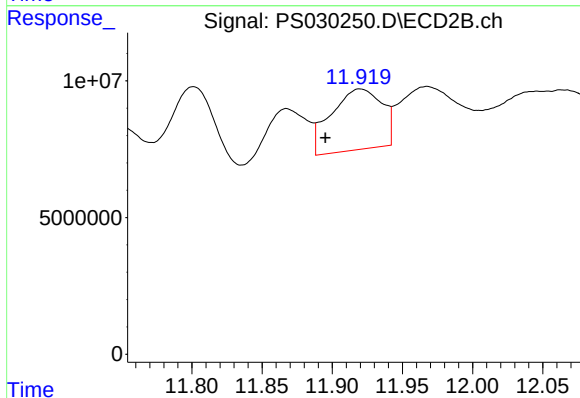
R.T.: 10.879 min
Delta R.T.: 0.021 min
Response: 36718160
Conc: 5.37 ng/ml



#15 Picloram

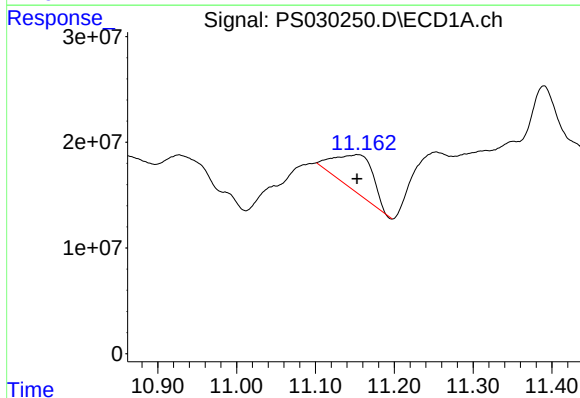
R.T.: 10.628 min
Delta R.T.: -0.043 min
Response: 143720230
Conc: 6.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-24-050725



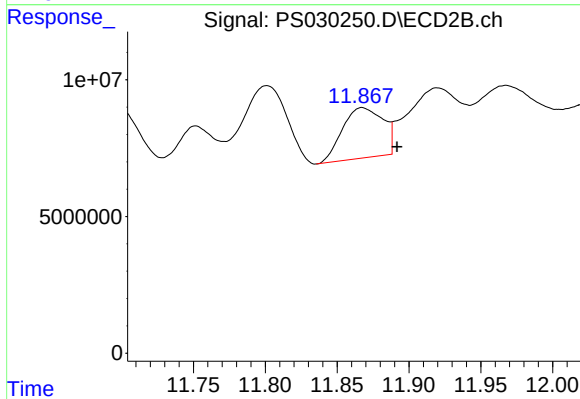
#15 Picloram

R.T.: 11.920 min
Delta R.T.: 0.025 min
Response: 55913681
Conc: 3.97 ng/ml



#16 DCPA

R.T.: 11.153 min
Delta R.T.: 0.000 min
Response: 116178338
Conc: 5.83 ng/ml



#16 DCPA

R.T.: 11.868 min
Delta R.T.: -0.024 min
Response: 36181705
Conc: 2.68 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030251.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 22:08
 Operator : AR\AJ
 Sample : Q1984-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 OU4-TS-25-050725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:31:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.931	7.451	627.2E6	174.7E6	220.251	218.342
Target Compounds							
1) T	Dalapon	2.422	2.512	595.3E6	1085.8E6	121.107	534.582 #
2) T	3,5-DICHL...	6.137	6.466	11727438	441355	2.812	<MDL #
3) T	4-Nitroph...	6.745	6.957f	10568936	8809312	5.117	8.438 #
5) T	DICAMBA	7.121	7.619	27818426	8648575	2.407	1.829
6) T	MCPD	7.298	7.727	27383869	21230948	3.760	11.540 #
7) T	MCPA	7.446	7.958	33898379	131.4E6	3.265	49.828 #
8) T	DICHLORPROP	7.795	8.349	89801894	42518496	30.740	35.989
9) T	2,4-D	8.014	8.652	32716357	40078351	9.978	31.056 #
10) T	Pentachlo...	8.263f	9.134	79634863	32793403	1.966	1.328 #
11) T	2,4,5-TP ...	8.842	9.556f	7791353	64333966	<MDL	6.531 #
12) T	2,4,5-T	9.154	9.895f	88559692	209.4E6	5.362	22.755 #
13) T	2,4-DB	9.672	10.522f	73500537	22938800	28.164	23.115
14) T	DINOSEB	10.840	10.882	23520500	40366936	2.057	5.909 #
15) T	Picloram	10.626f	11.921f	200.2E6	53952343	9.359	3.834 #
16) T	DCPA	11.154	11.867	83101206	39408743	4.174	2.917 #

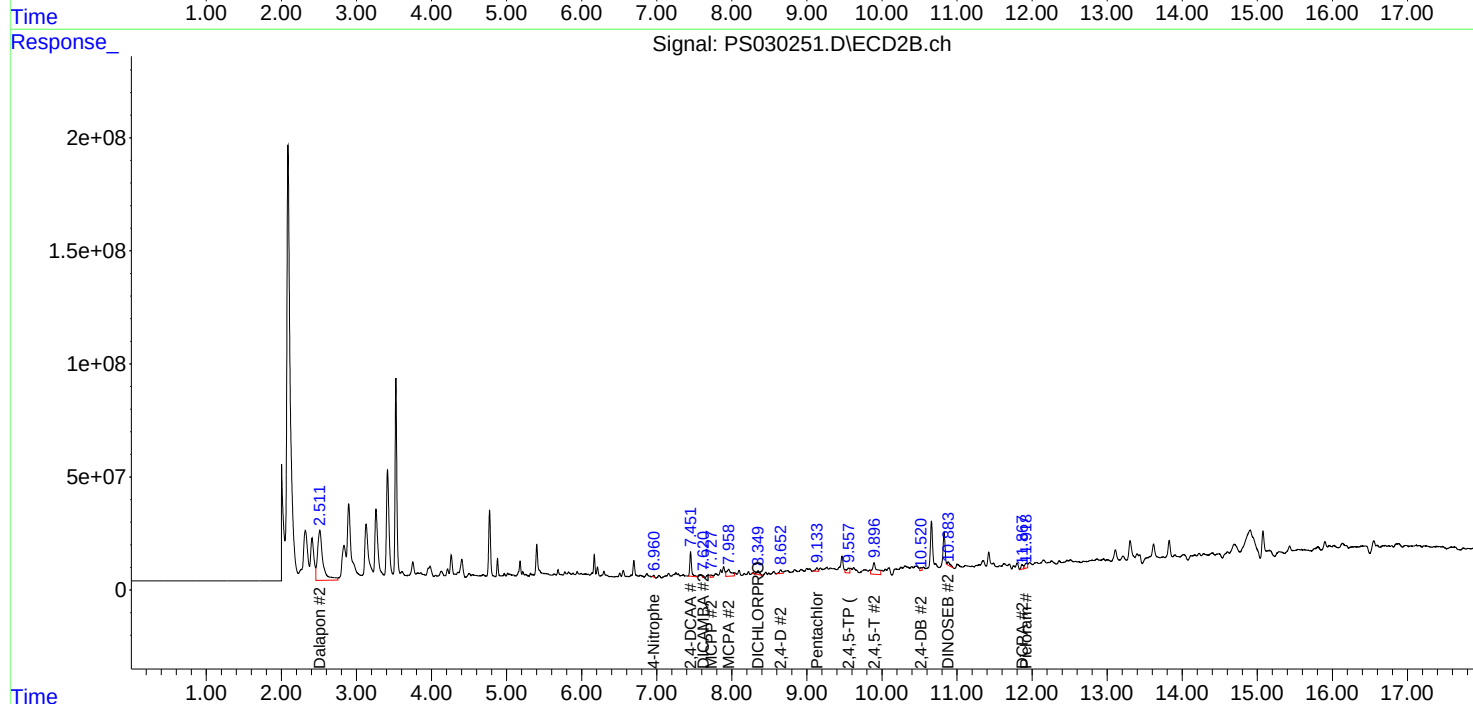
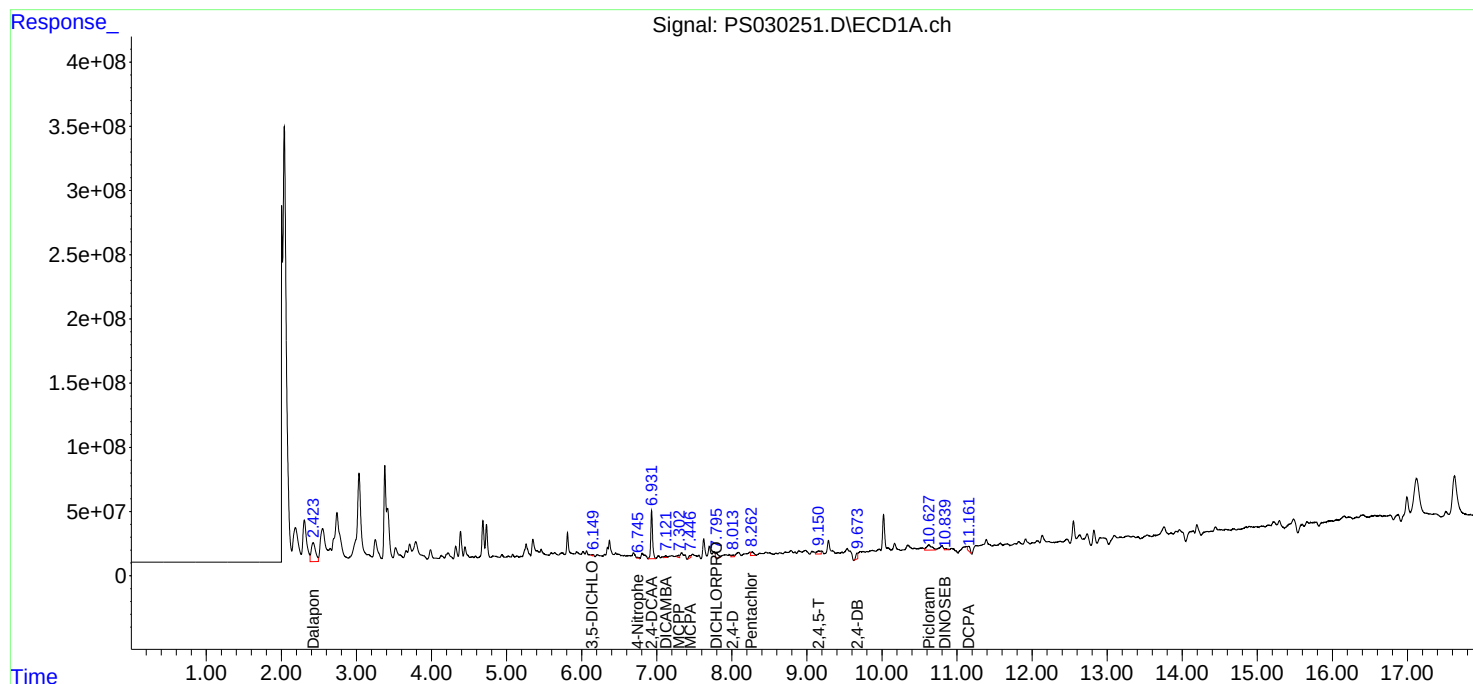
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

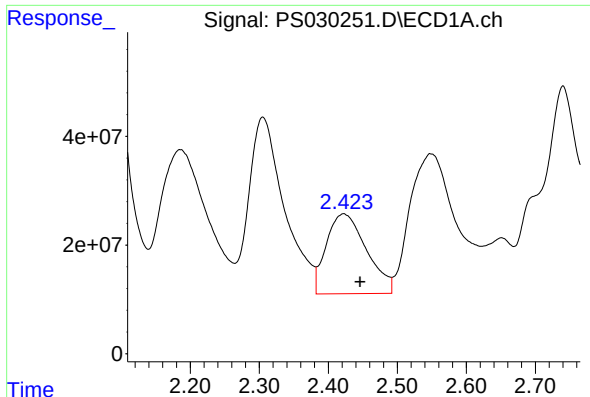
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030251.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 22:08
Operator : AR\AJ
Sample : Q1984-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:31:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

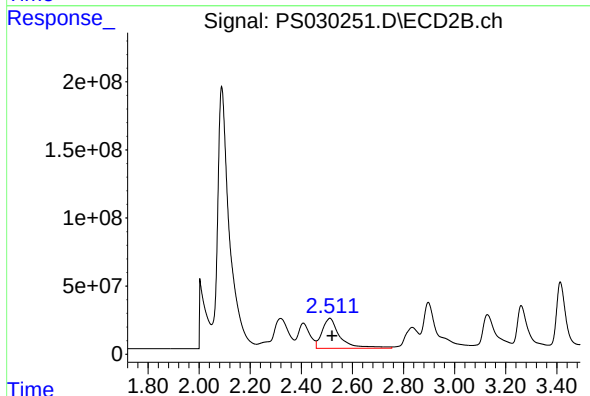




#1 Dalapon

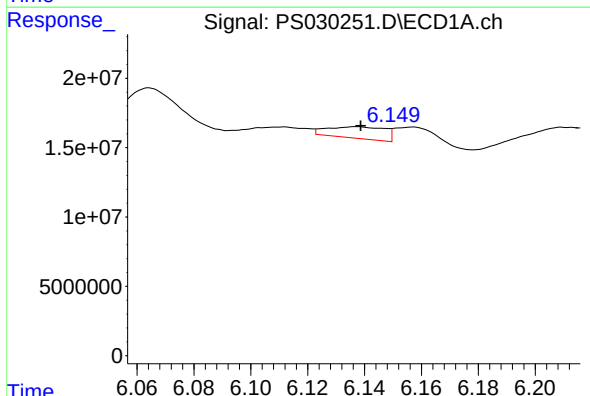
R.T.: 2.422 min
Delta R.T.: -0.024 min
Response: 595283666
Conc: 121.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725



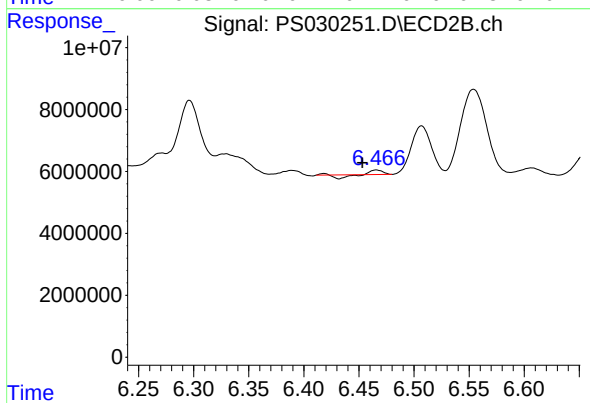
#1 Dalapon

R.T.: 2.512 min
Delta R.T.: -0.008 min
Response: 1085763585
Conc: 534.58 ng/ml



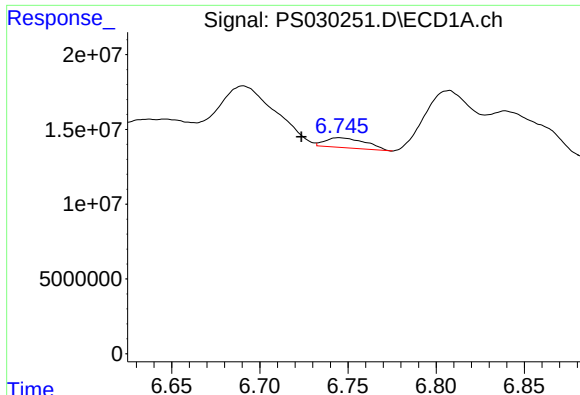
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.137 min
Delta R.T.: -0.001 min
Response: 11727438
Conc: 2.81 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

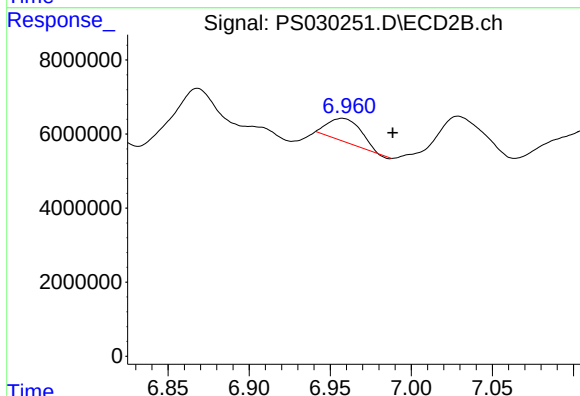
R.T.: 6.466 min
Delta R.T.: 0.013 min
Response: 441355
Conc: N.D.



#3 4-Nitrophenol

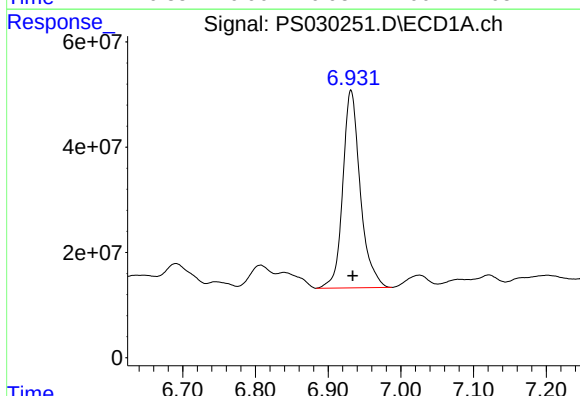
R.T.: 6.745 min
Delta R.T.: 0.021 min
Response: 10568936
Conc: 5.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725



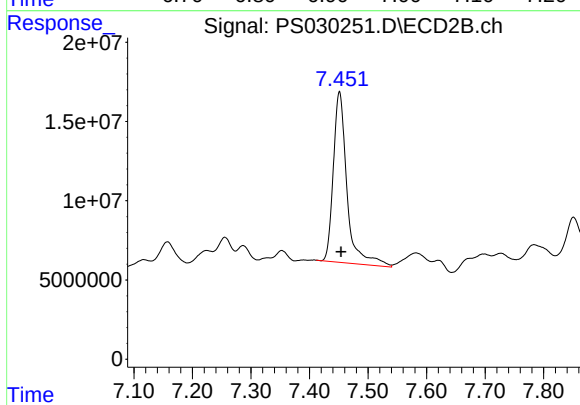
#3 4-Nitrophenol

R.T.: 6.957 min
Delta R.T.: -0.031 min
Response: 8809312
Conc: 8.44 ng/ml



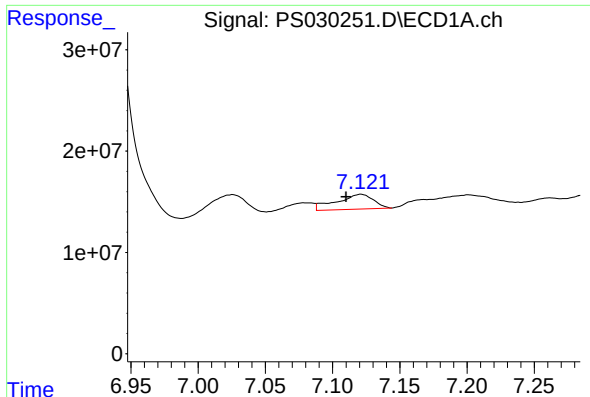
#4 2,4-DCAA

R.T.: 6.931 min
Delta R.T.: -0.002 min
Response: 627232978
Conc: 220.25 ng/ml



#4 2,4-DCAA

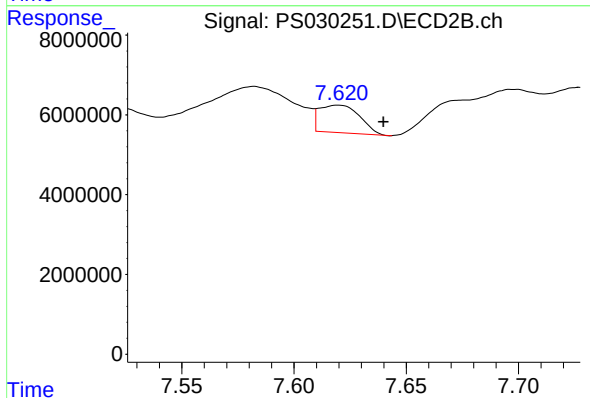
R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 174718113
Conc: 218.34 ng/ml



#5 DICAMBA

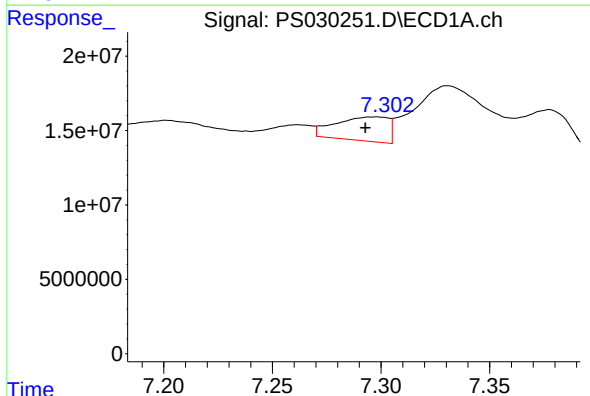
R.T.: 7.121 min
Delta R.T.: 0.011 min
Response: 27818426
Conc: 2.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725



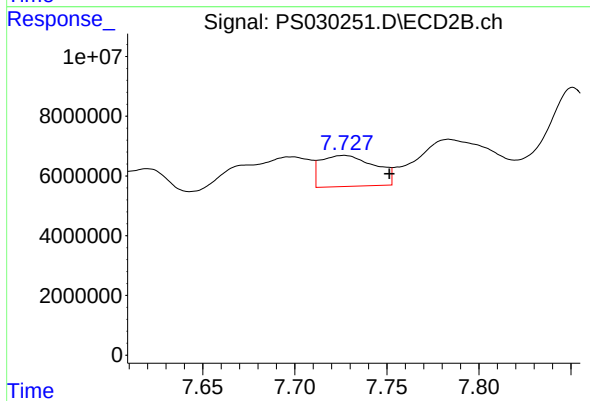
#5 DICAMBA

R.T.: 7.619 min
Delta R.T.: -0.020 min
Response: 8648575
Conc: 1.83 ng/ml



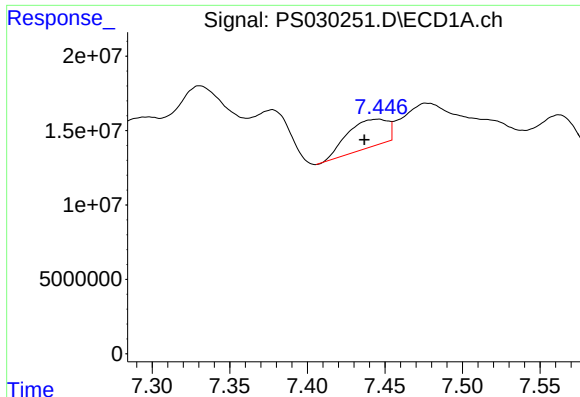
#6 MCP

R.T.: 7.298 min
Delta R.T.: 0.005 min
Response: 27383869
Conc: 3.76 ug/ml



#6 MCP

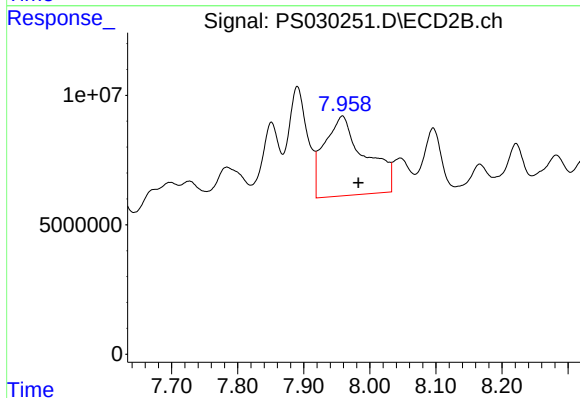
R.T.: 7.727 min
Delta R.T.: -0.025 min
Response: 21230948
Conc: 11.54 ug/ml



#7 MCPA

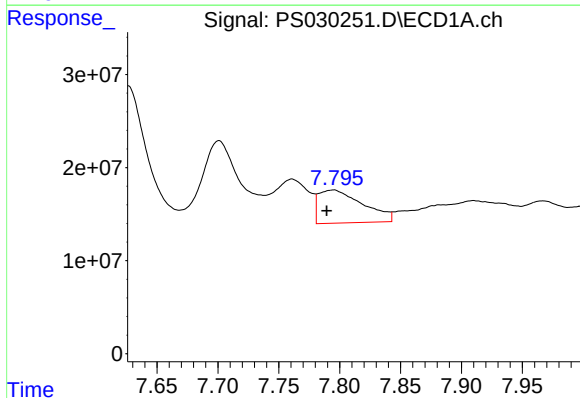
R.T.: 7.446 min
Delta R.T.: 0.009 min
Response: 33898379
Conc: 3.27 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725



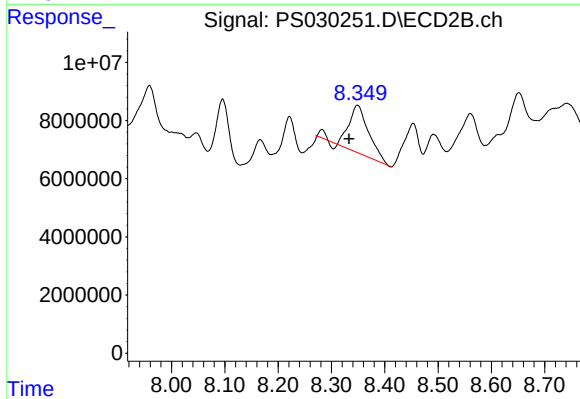
#7 MCPA

R.T.: 7.958 min
Delta R.T.: -0.024 min
Response: 131430554
Conc: 49.83 ug/ml



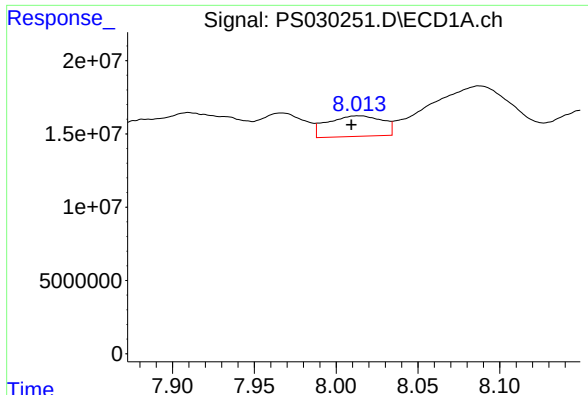
#8 DICHLORPROP

R.T.: 7.795 min
Delta R.T.: 0.006 min
Response: 89801894
Conc: 30.74 ng/ml



#8 DICHLORPROP

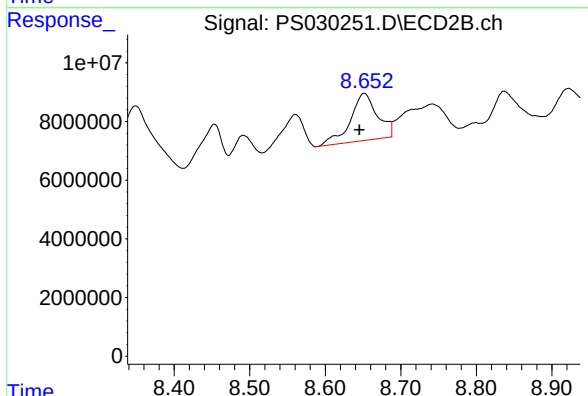
R.T.: 8.349 min
Delta R.T.: 0.016 min
Response: 42518496
Conc: 35.99 ng/ml



#9 2,4-D

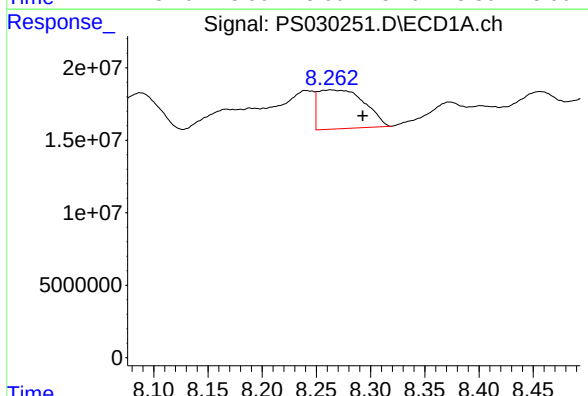
R.T.: 8.014 min
Delta R.T.: 0.005 min
Response: 32716357
Conc: 9.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725



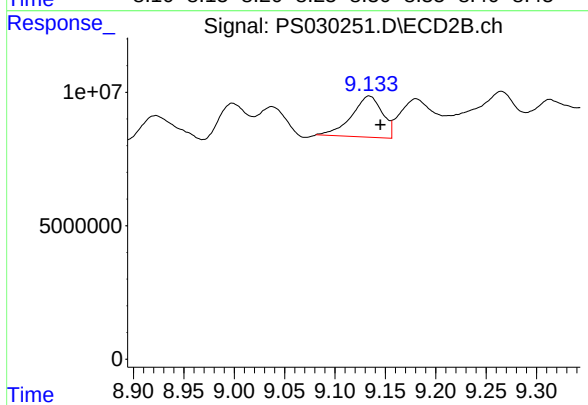
#9 2,4-D

R.T.: 8.652 min
Delta R.T.: 0.006 min
Response: 40078351
Conc: 31.06 ng/ml



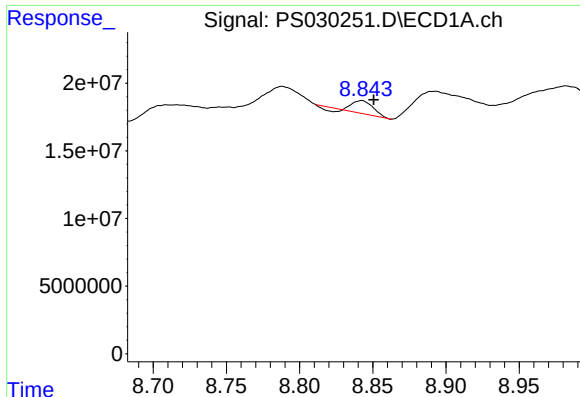
#10 Pentachlorophenol

R.T.: 8.263 min
Delta R.T.: -0.030 min
Response: 79634863
Conc: 1.97 ng/ml



#10 Pentachlorophenol

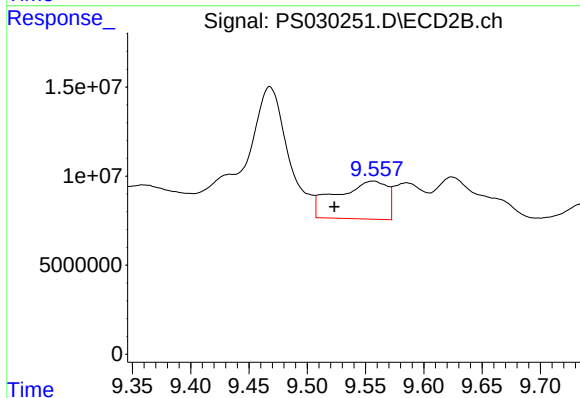
R.T.: 9.134 min
Delta R.T.: -0.011 min
Response: 32793403
Conc: 1.33 ng/ml



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

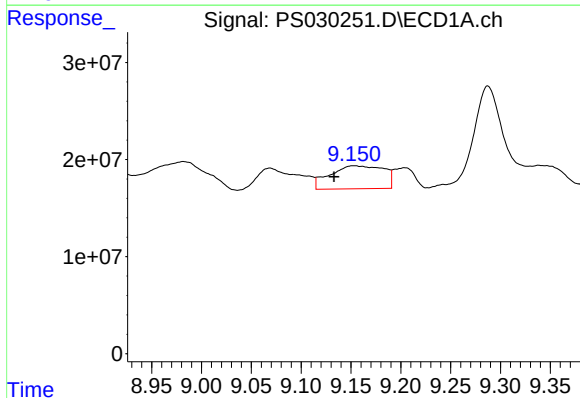
R.T.: 8.842 min
Delta R.T.: -0.008 min
Response: 7791353
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725



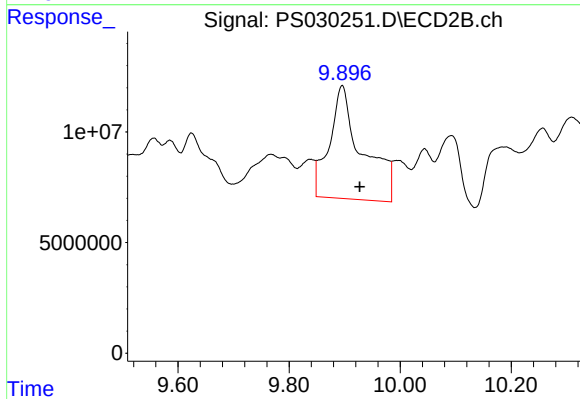
#11 2,4,5-TP (SILVEX)

R.T.: 9.556 min
Delta R.T.: 0.033 min
Response: 64333966
Conc: 6.53 ng/ml



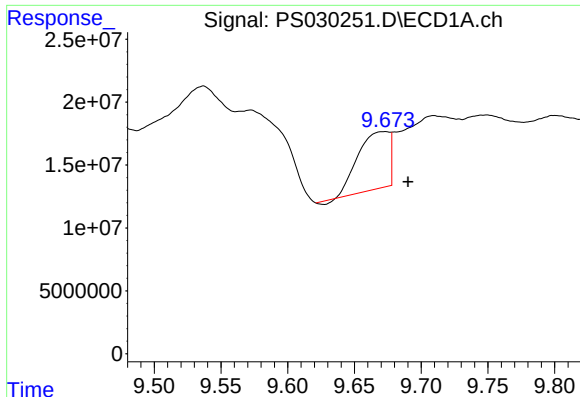
#12 2,4,5-T

R.T.: 9.154 min
Delta R.T.: 0.021 min
Response: 88559692
Conc: 5.36 ng/ml



#12 2,4,5-T

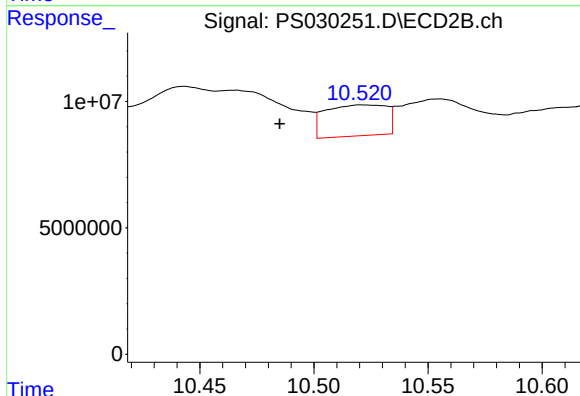
R.T.: 9.895 min
Delta R.T.: -0.032 min
Response: 209430515
Conc: 22.76 ng/ml



#13 2,4-DB

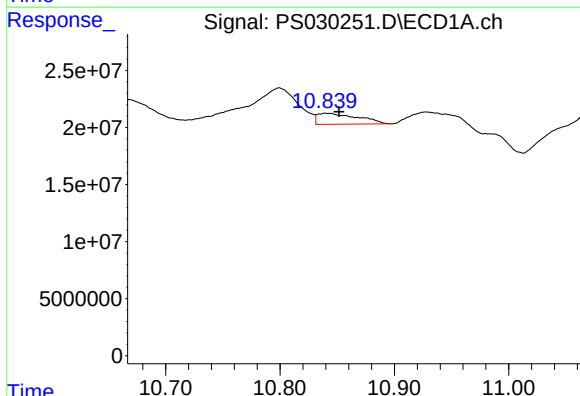
R.T.: 9.672 min
Delta R.T.: -0.018 min
Response: 73500537
Conc: 28.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725



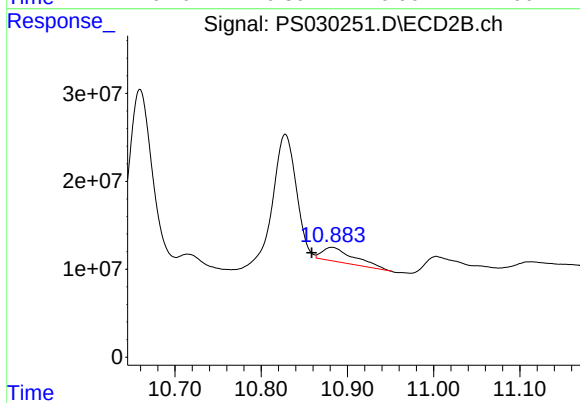
#13 2,4-DB

R.T.: 10.522 min
Delta R.T.: 0.037 min
Response: 22938800
Conc: 23.12 ng/ml



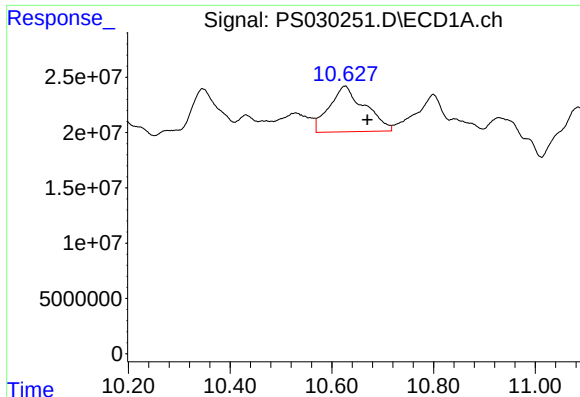
#14 DINOSEB

R.T.: 10.840 min
Delta R.T.: -0.011 min
Response: 23520500
Conc: 2.06 ng/ml



#14 DINOSEB

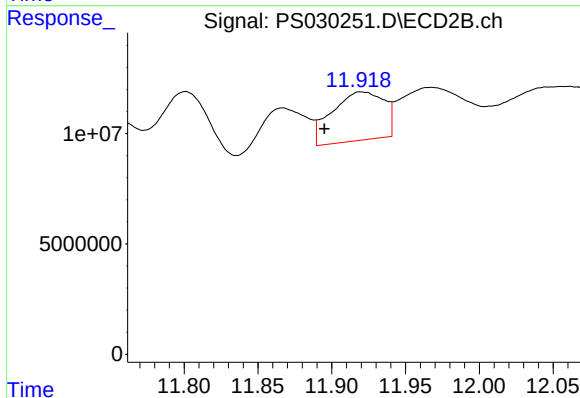
R.T.: 10.882 min
Delta R.T.: 0.023 min
Response: 40366936
Conc: 5.91 ng/ml



#15 Picloram

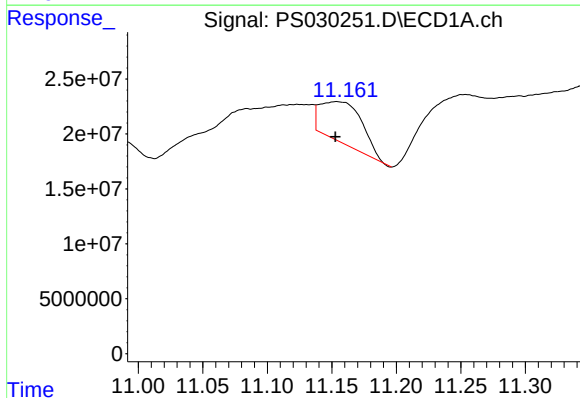
R.T.: 10.626 min
Delta R.T.: -0.044 min
Response: 200168778
Conc: 9.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-25-050725



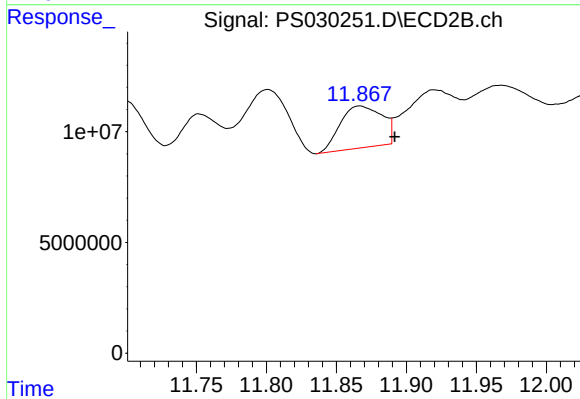
#15 Picloram

R.T.: 11.921 min
Delta R.T.: 0.026 min
Response: 53952343
Conc: 3.83 ng/ml



#16 DCPA

R.T.: 11.154 min
Delta R.T.: 0.000 min
Response: 83101206
Conc: 4.17 ng/ml



#16 DCPA

R.T.: 11.867 min
Delta R.T.: -0.025 min
Response: 39408743
Conc: 2.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030252.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 22:32
 Operator : AR\AJ
 Sample : Q1984-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 OU4-TS-26-050725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:31:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.932	7.451	708.7E6	198.4E6	248.875	247.887
Target Compounds							
1) T	Dalapon	2.423	2.510	563.4E6	1000.0E6	114.611	492.335 #
2) T	3,5-DICHL...	6.134	6.466	15709590	396954	3.767	<MDL #
3) T	4-Nitroph...	6.748	6.958f	11961413	8307364	5.791	7.957 #
5) T	DICAMBA	7.123	7.619	18575646	9185613	1.607	1.943
6) T	MCPD	7.300	7.727	29334587	18012853	4.028	9.791 #
7) T	MCPA	7.444	7.957f	33515718	117.9E6	3.229	44.713 #
8) T	DICHLORPROP	7.794	8.350	75836735	38909023	25.960	32.934 #
9) T	2,4-D	8.014	8.653	40413911	33742883	12.325	26.147 #
10) T	Pentachlo...	0.000	9.132	0	28214843	N.D.	1.143
11) T	2,4,5-TP ...	8.841	9.556f	3852827	39056196	<MDL	3.965 #
12) T	2,4,5-T	9.154	9.895f	90948899	257.5E6	5.507	27.976 #
13) T	2,4-DB	9.674	10.466	74756048	46380715	28.645	46.737 #
14) T	DINOSEB	10.841	10.881	34357646	75209436	3.004	11.008 #
15) T	Picloram	10.665	11.922f	56114291	56261998	2.624	3.998 #
16) T	DCPA	11.156	11.868	119.9E6	42880861	6.021	3.174 #

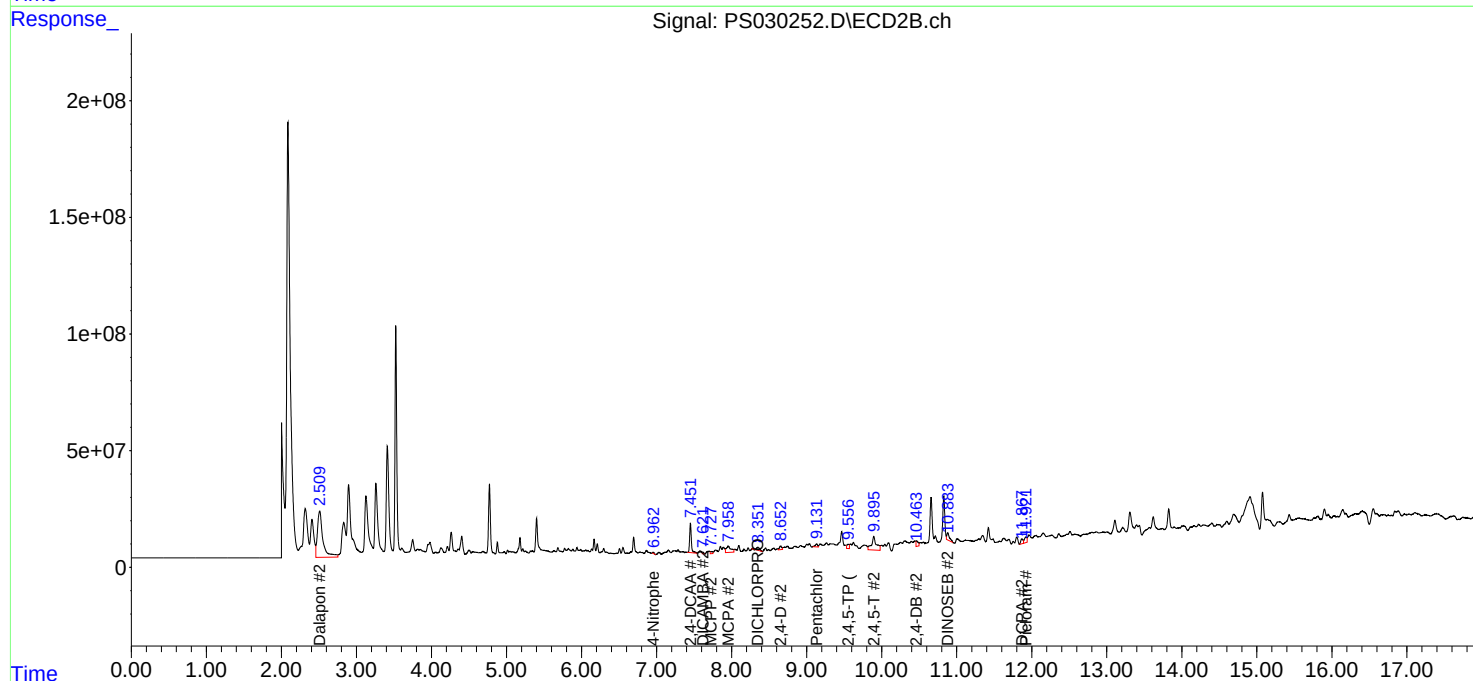
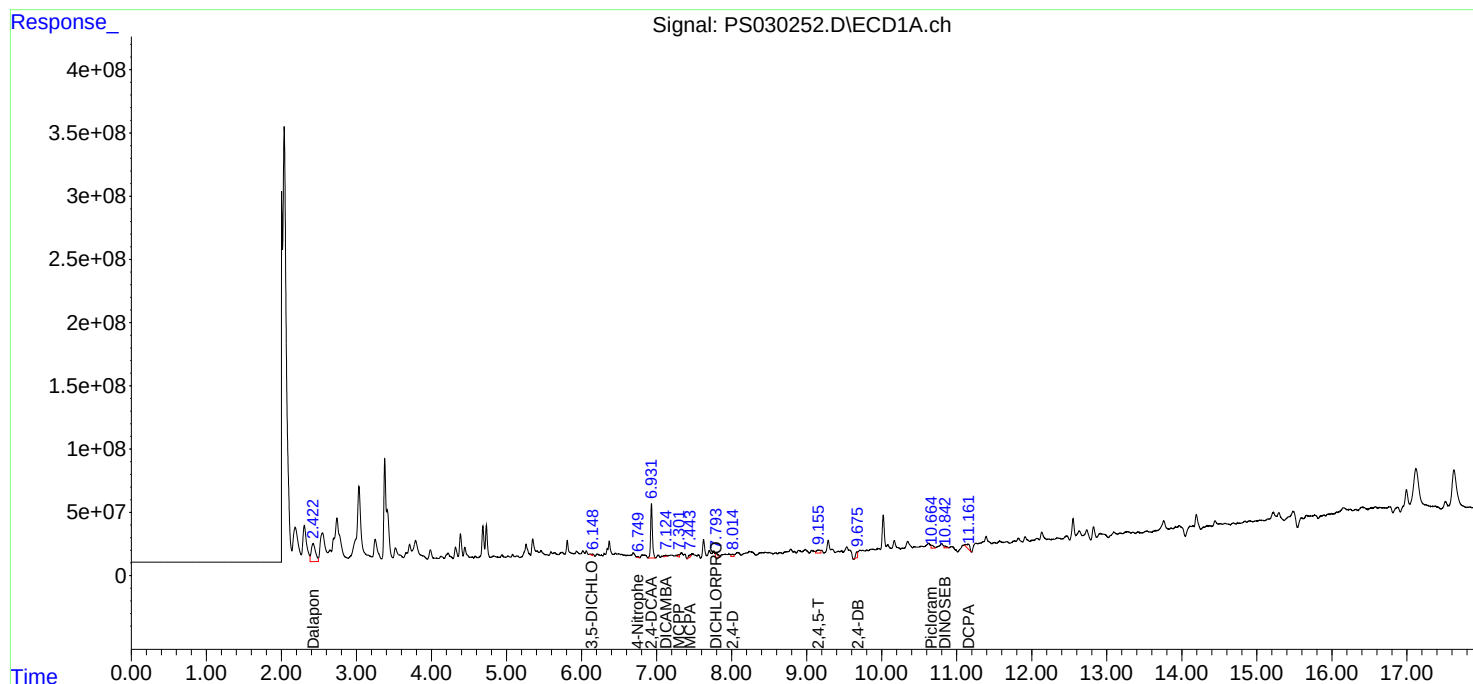
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

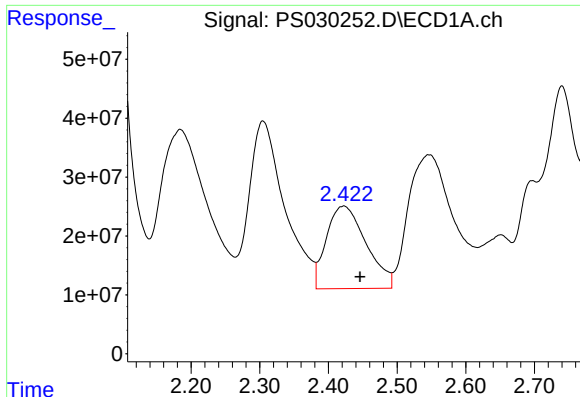
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 22:32
Operator : AR\AJ
Sample : Q1984-11
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
OU4-TS-26-050725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:31:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

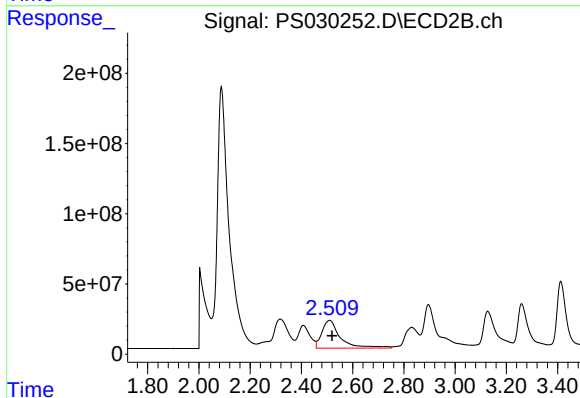




#1 Dalapon

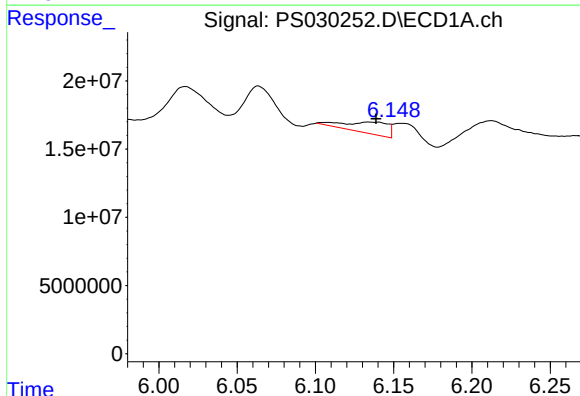
R.T.: 2.423 min
Delta R.T.: -0.023 min
Response: 563353189
Conc: 114.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-26-050725



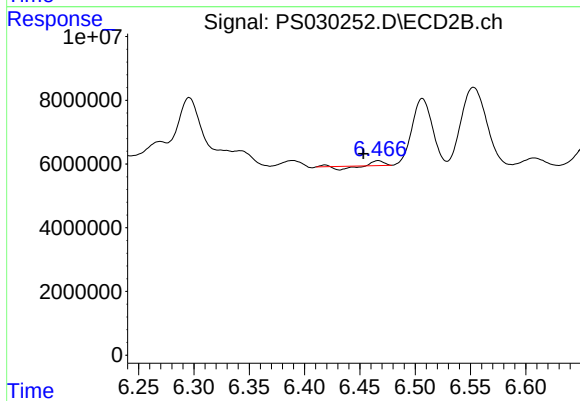
#1 Dalapon

R.T.: 2.510 min
Delta R.T.: -0.010 min
Response: 999956492
Conc: 492.33 ng/ml



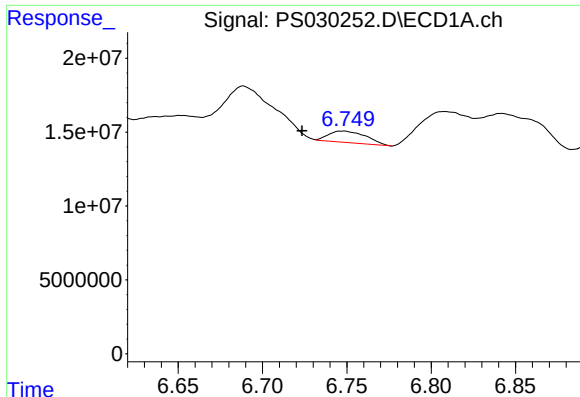
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.134 min
Delta R.T.: -0.005 min
Response: 15709590
Conc: 3.77 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

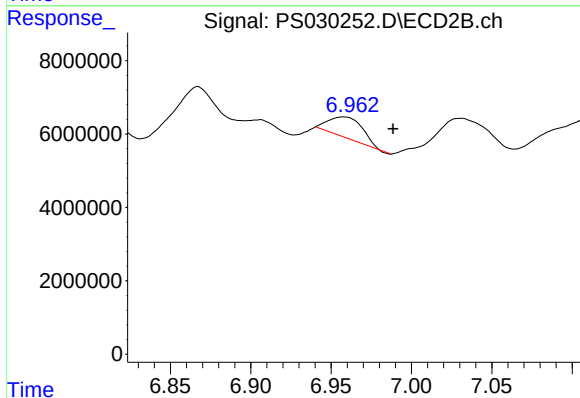
R.T.: 6.466 min
Delta R.T.: 0.013 min
Response: 396954
Conc: N.D.



#3 4-Nitrophenol

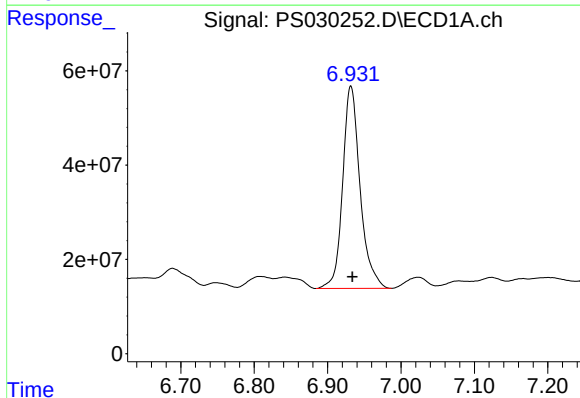
R.T.: 6.748 min
Delta R.T.: 0.024 min
Response: 11961413
Conc: 5.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-26-050725



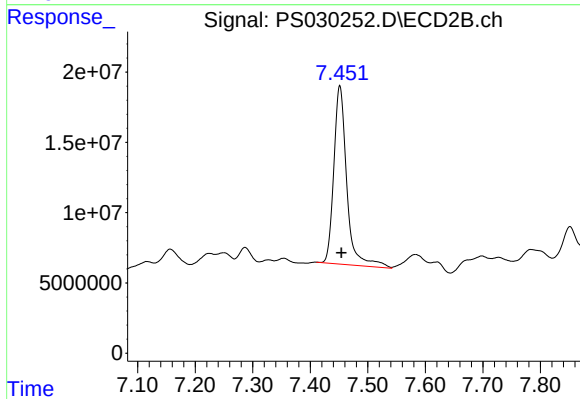
#3 4-Nitrophenol

R.T.: 6.958 min
Delta R.T.: -0.031 min
Response: 8307364
Conc: 7.96 ng/ml



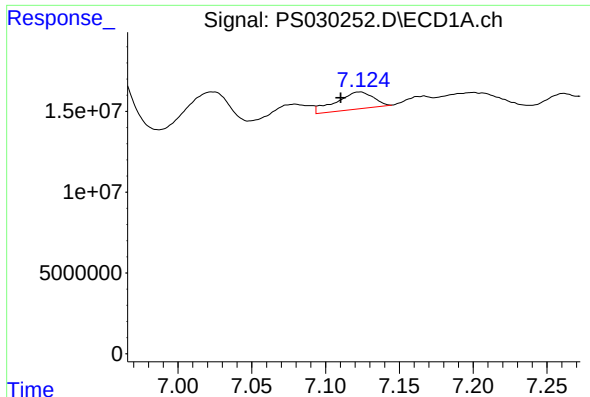
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 708748046
Conc: 248.87 ng/ml



#4 2,4-DCAA

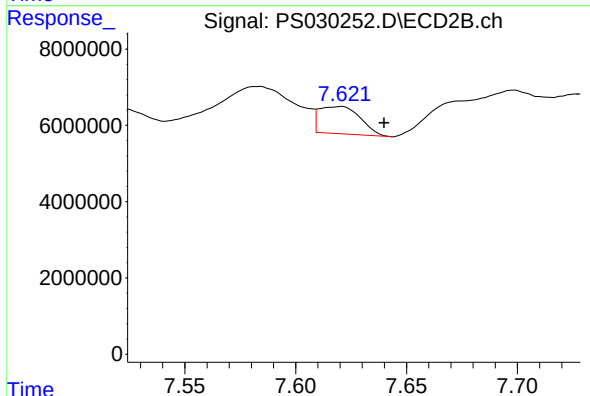
R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 198360272
Conc: 247.89 ng/ml



#5 DICAMBA

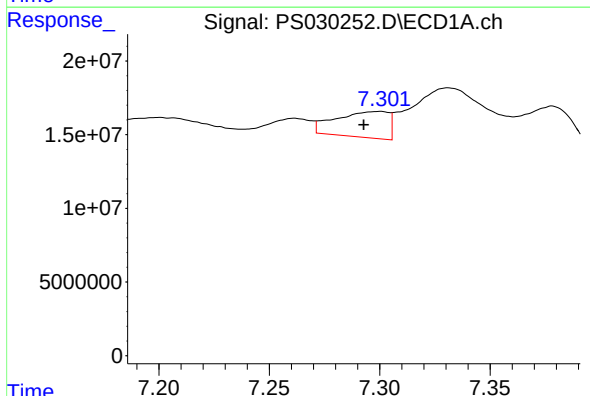
R.T.: 7.123 min
Delta R.T.: 0.013 min
Response: 18575646
Conc: 1.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-26-050725



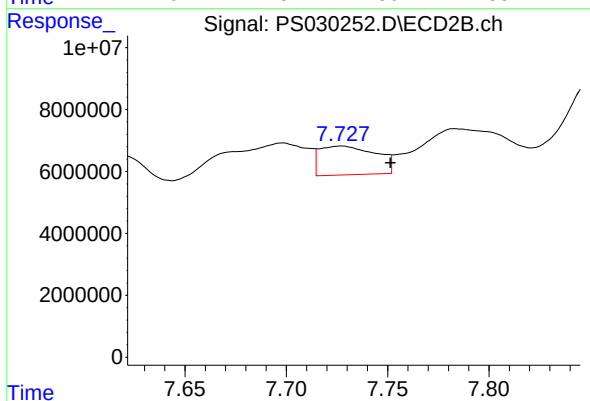
#5 DICAMBA

R.T.: 7.619 min
Delta R.T.: -0.021 min
Response: 9185613
Conc: 1.94 ng/ml



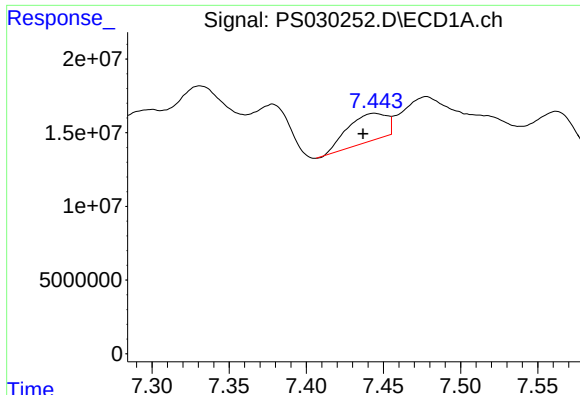
#6 MCP

R.T.: 7.300 min
Delta R.T.: 0.007 min
Response: 29334587
Conc: 4.03 ug/ml



#6 MCP

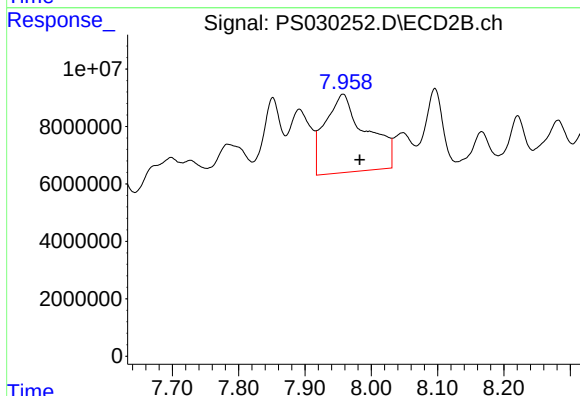
R.T.: 7.727 min
Delta R.T.: -0.024 min
Response: 18012853
Conc: 9.79 ug/ml



#7 MCPA

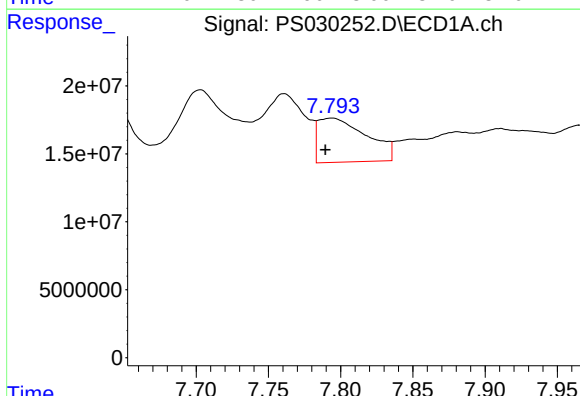
R.T.: 7.444 min
Delta R.T.: 0.007 min
Response: 33515718
Conc: 3.23 ug/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-26-050725



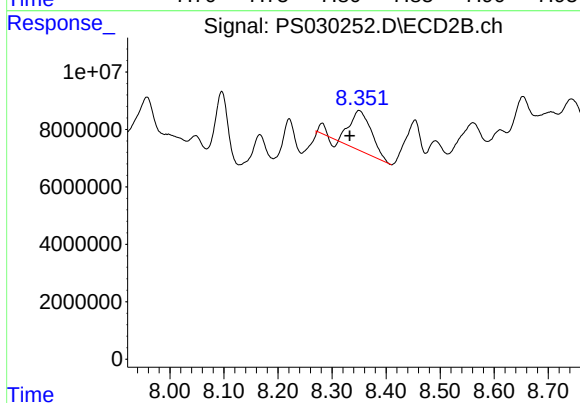
#7 MCPA

R.T.: 7.957 min
Delta R.T.: -0.025 min
Response: 117937688
Conc: 44.71 ug/ml



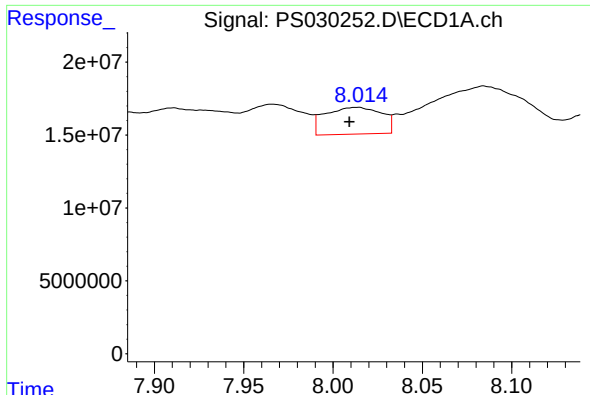
#8 DICHLORPROP

R.T.: 7.794 min
Delta R.T.: 0.005 min
Response: 75836735
Conc: 25.96 ng/ml



#8 DICHLORPROP

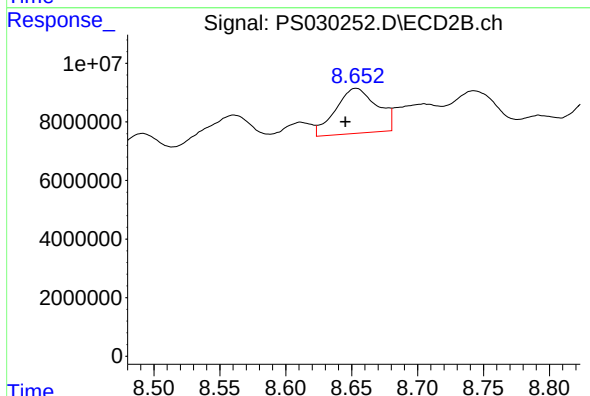
R.T.: 8.350 min
Delta R.T.: 0.017 min
Response: 38909023
Conc: 32.93 ng/ml



#9 2,4-D

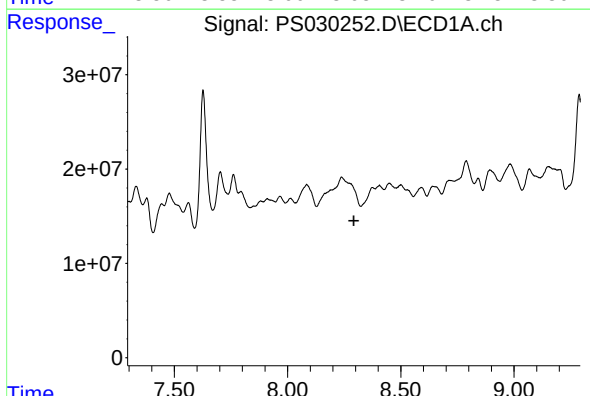
R.T.: 8.014 min
Delta R.T.: 0.004 min
Response: 40413911
Conc: 12.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-26-050725



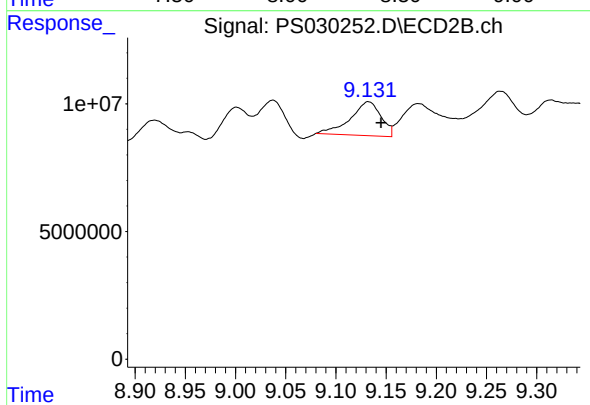
#9 2,4-D

R.T.: 8.653 min
Delta R.T.: 0.008 min
Response: 33742883
Conc: 26.15 ng/ml



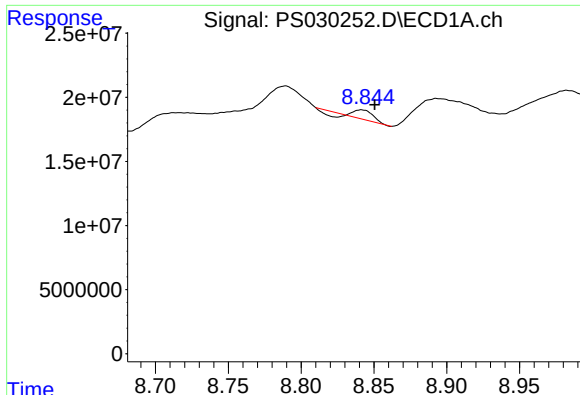
#10 Pentachlorophenol

R.T.: 0.000 min
Exp R.T. : 8.293 min
Response: 0
Conc: N.D.



#10 Pentachlorophenol

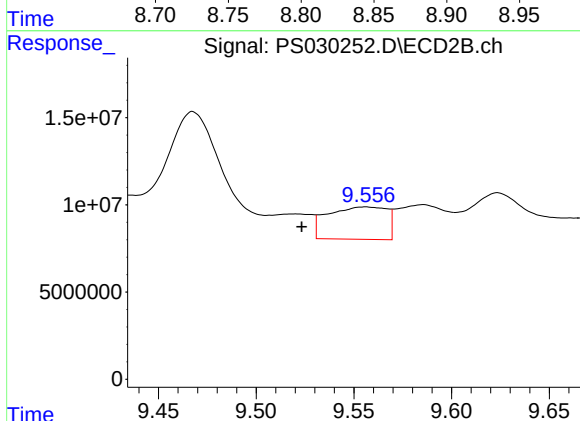
R.T.: 9.132 min
Delta R.T.: -0.013 min
Response: 28214843
Conc: 1.14 ng/ml



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

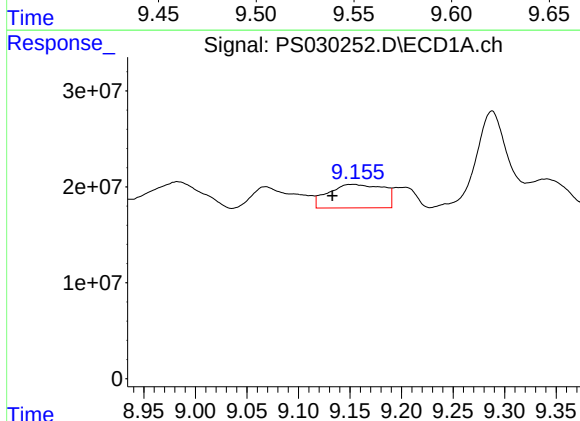
R.T.: 8.841 min
Delta R.T.: -0.009 min
Response: 3852827
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
OU4-TS-26-050725



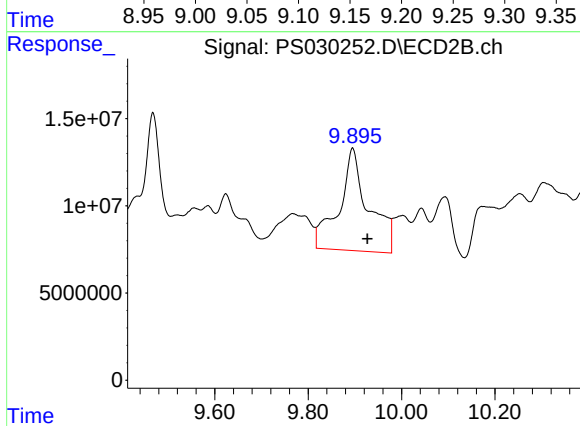
#11 2,4,5-TP (SILVEX)

R.T.: 9.556 min
Delta R.T.: 0.033 min
Response: 39056196
Conc: 3.96 ng/ml



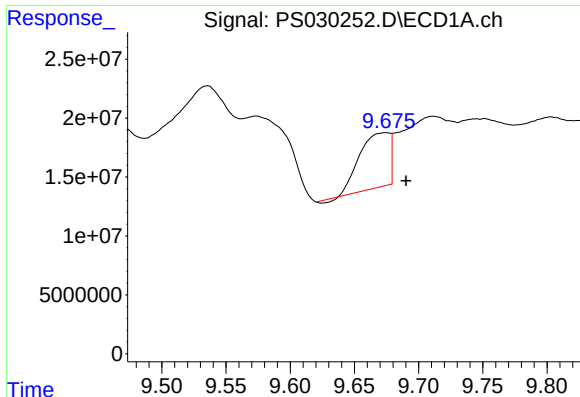
#12 2,4,5-T

R.T.: 9.154 min
Delta R.T.: 0.021 min
Response: 90948899
Conc: 5.51 ng/ml



#12 2,4,5-T

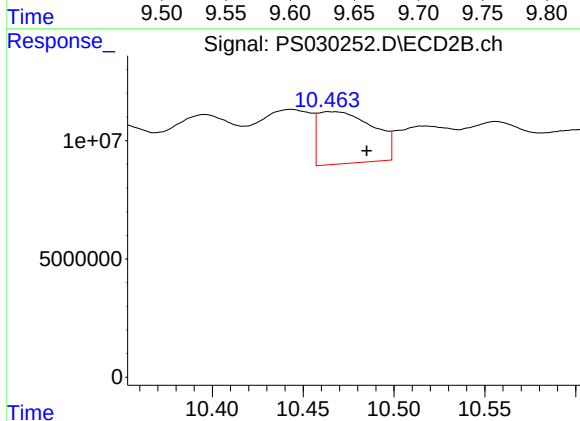
R.T.: 9.895 min
Delta R.T.: -0.032 min
Response: 257480127
Conc: 27.98 ng/ml



#13 2,4-DB

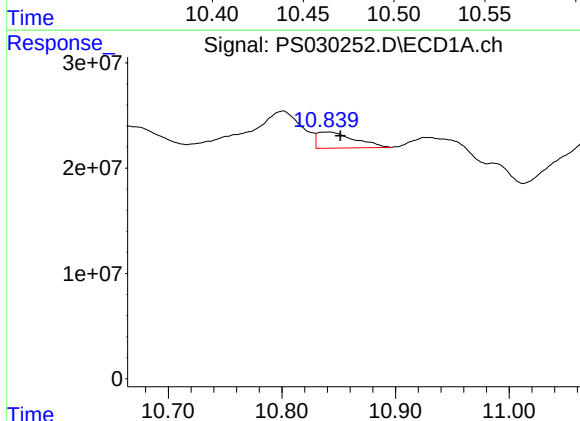
R.T.: 9.674 min
Delta R.T.: -0.016 min
Response: 74756048
Conc: 28.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-26-050725



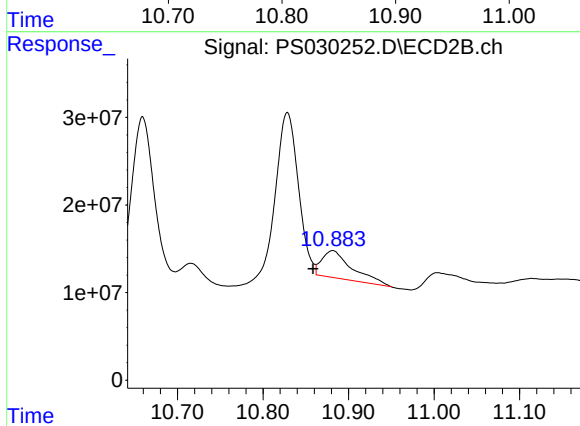
#13 2,4-DB

R.T.: 10.466 min
Delta R.T.: -0.019 min
Response: 46380715
Conc: 46.74 ng/ml



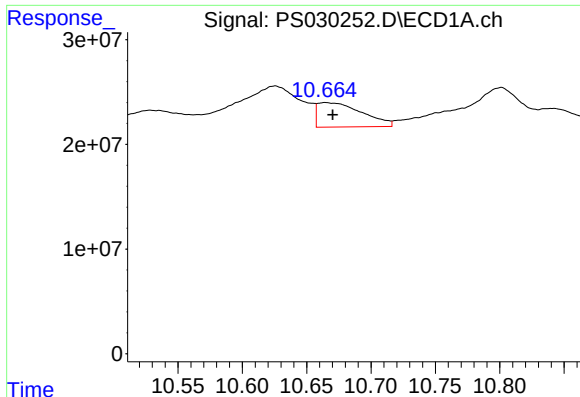
#14 DINOSEB

R.T.: 10.841 min
Delta R.T.: -0.010 min
Response: 34357646
Conc: 3.00 ng/ml



#14 DINOSEB

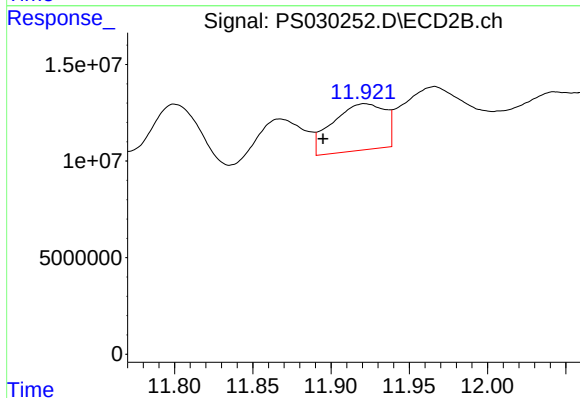
R.T.: 10.881 min
Delta R.T.: 0.023 min
Response: 75209436
Conc: 11.01 ng/ml



#15 Picloram

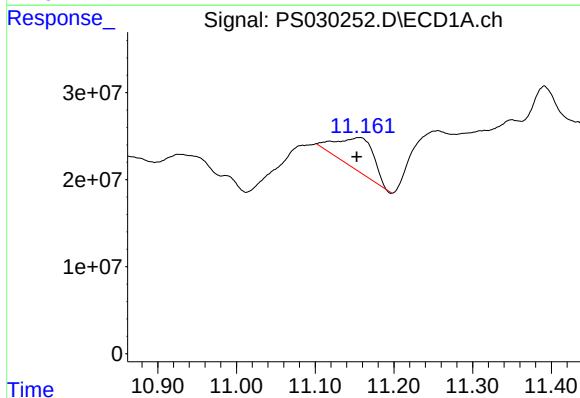
R.T.: 10.665 min
Delta R.T.: -0.006 min
Response: 56114291
Conc: 2.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
OU4-TS-26-050725



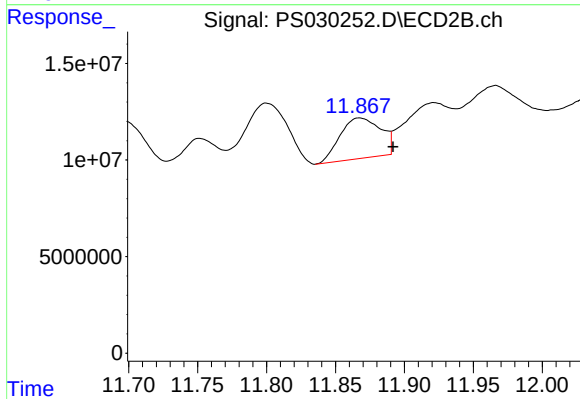
#15 Picloram

R.T.: 11.922 min
Delta R.T.: 0.027 min
Response: 56261998
Conc: 4.00 ng/ml



#16 DCPA

R.T.: 11.156 min
Delta R.T.: 0.003 min
Response: 119882155
Conc: 6.02 ng/ml



#16 DCPA

R.T.: 11.868 min
Delta R.T.: -0.024 min
Response: 42880861
Conc: 3.17 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030256.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 May 2025 00:08
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:21:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.932	7.452	2095.7E6	609.3E6	735.910	761.372
Target Compounds							
1) T	Dalapon	2.445	2.519	3344.5E6	1388.5E6	680.414	683.655
2) T	3,5-DICHL...	6.137	6.452	2882.7E6	800.5E6	691.207	686.595
3) T	4-Nitroph...	6.722	6.986	1421.2E6	668.3E6	688.037	640.100
5) T	DICAMBA	7.109	7.637	8123.7E6	3480.4E6	702.906	736.125
6) T	MCPD	7.288	7.745	551.4E6	129.3E6	75.709	70.271
7) T	MCPA	7.431	7.975	733.4E6	179.6E6	70.646	68.080
8) T	DICHLORPROP	7.788	8.329	2003.5E6	829.7E6	685.807	702.276
9) T	2,4-D	8.008	8.641	2266.3E6	930.5E6	691.167	721.031
10) T	Pentachlo...	8.285	9.141	28573.6E6	18383.2E6	705.507	744.712
11) T	2,4,5-TP ...	8.849	9.520	11234.7E6	7251.2E6	693.671	736.127
12) T	2,4,5-T	9.130	9.923	11595.9E6	6748.7E6	702.137	733.264
13) T	2,4-DB	9.688	10.480	1982.2E6	663.3E6	759.511	668.438
14) T	DINOSEB	10.850	10.854	7656.6E6	4902.0E6	669.497	717.504
15) T	Picloram	10.668	11.890	15380.8E6	20631.8E6	719.169	1466.044 #
16) T	DCPA	11.150	11.890	13622.8E6	20631.8E6	684.167	1527.093 #

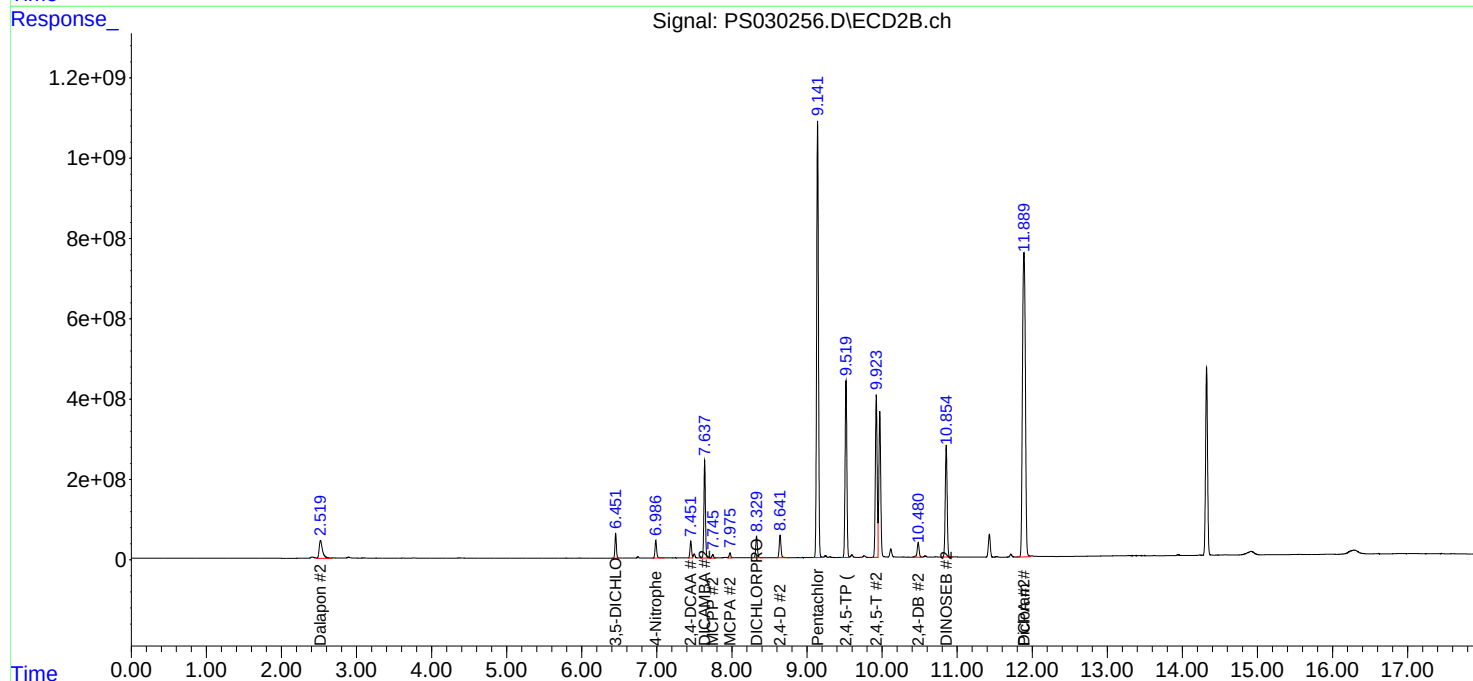
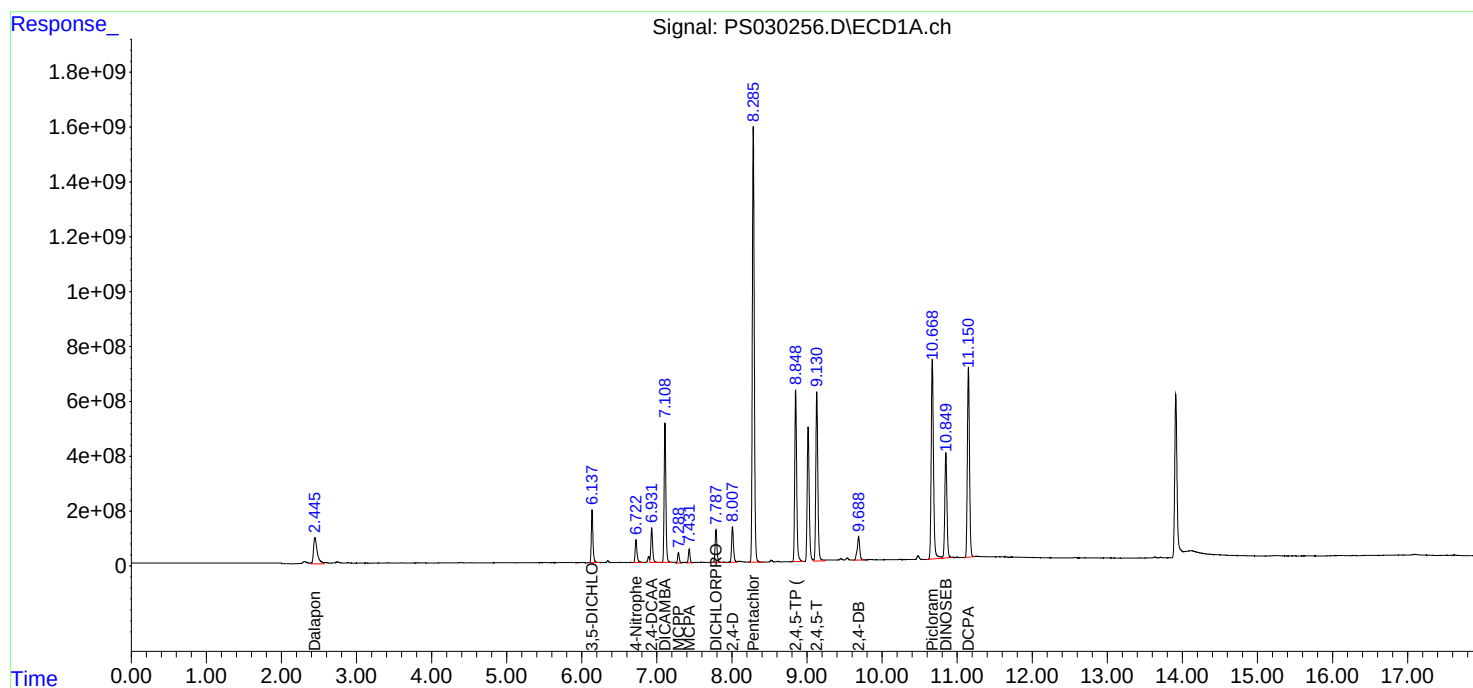
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

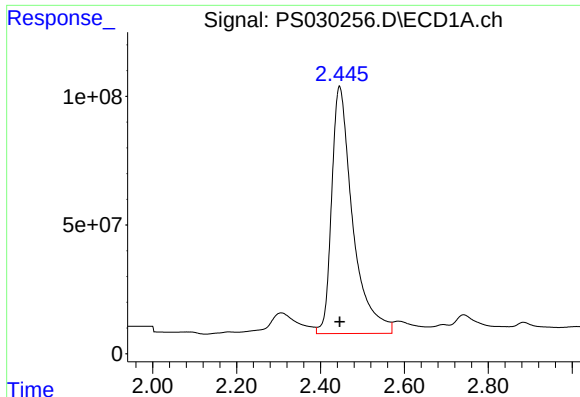
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 May 2025 00:08
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:21:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

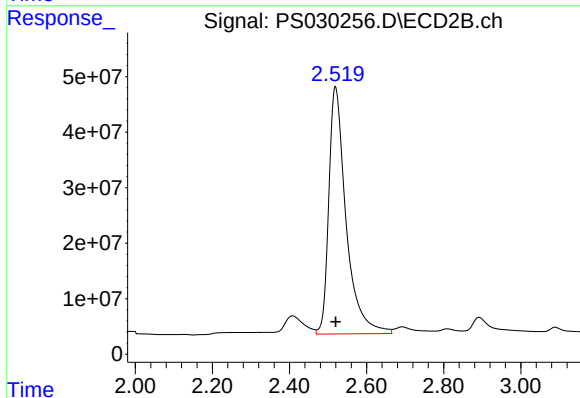




#1 Dalapon

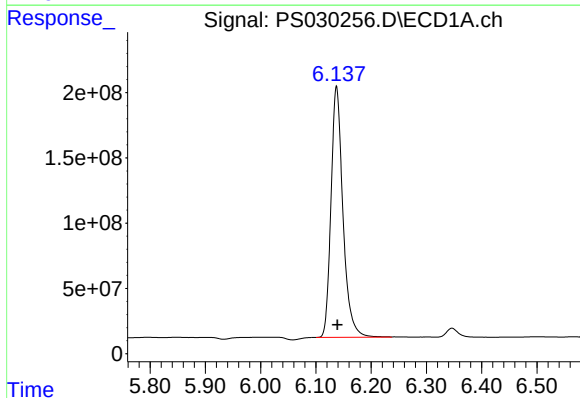
R.T.: 2.445 min
Delta R.T.: 0.000 min
Response: 3344478278
Conc: 680.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



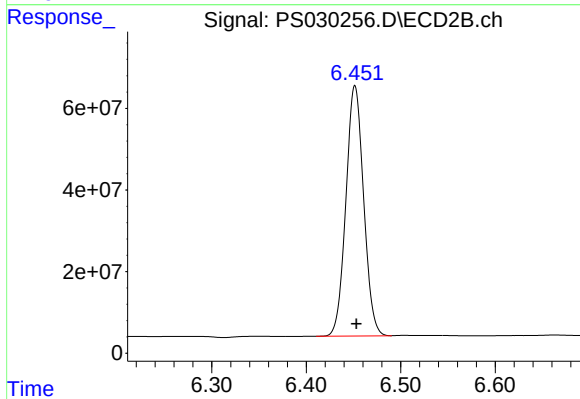
#1 Dalapon

R.T.: 2.519 min
Delta R.T.: -0.001 min
Response: 1388538284
Conc: 683.66 ng/ml



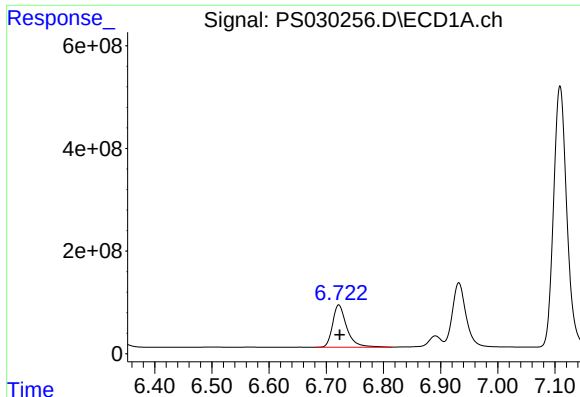
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.137 min
Delta R.T.: -0.001 min
Response: 2882715896
Conc: 691.21 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

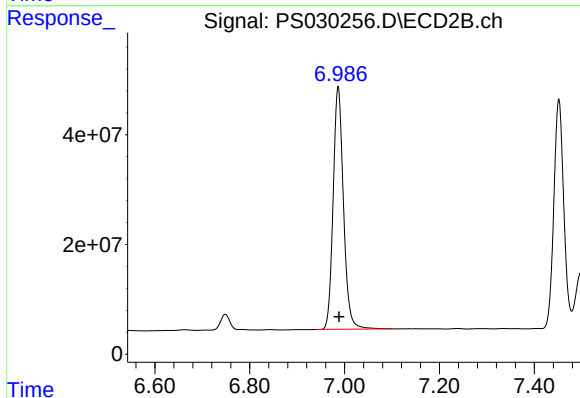
R.T.: 6.452 min
Delta R.T.: -0.002 min
Response: 800452566
Conc: 686.59 ng/ml



#3 4-Nitrophenol

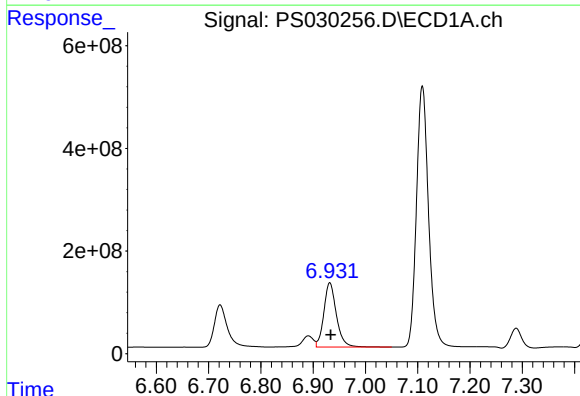
R.T.: 6.722 min
Delta R.T.: -0.002 min
Response: 1421219438
Conc: 688.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



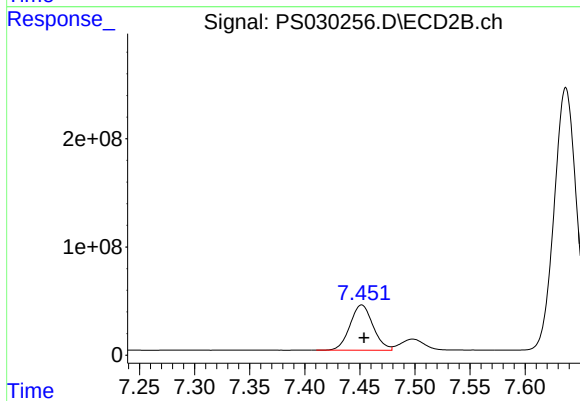
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 668285271
Conc: 640.10 ng/ml



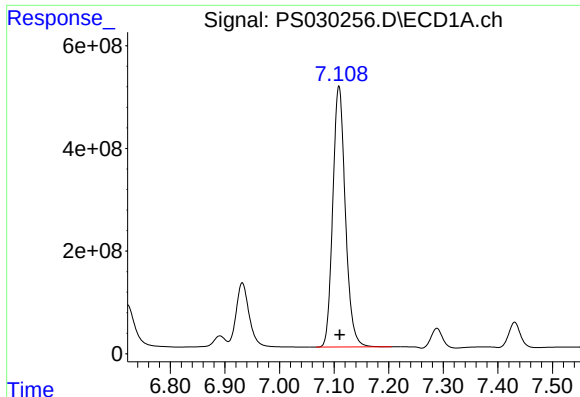
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 2095729595
Conc: 735.91 ng/ml



#4 2,4-DCAA

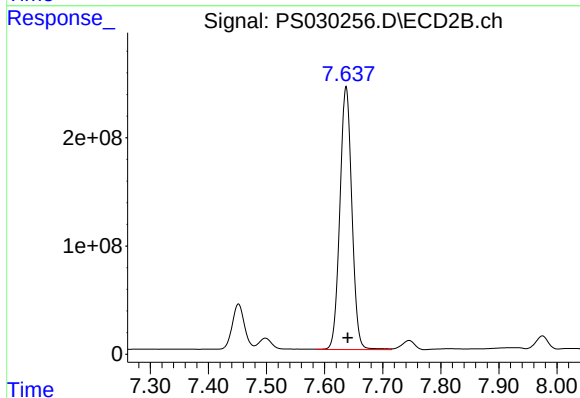
R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 609252880
Conc: 761.37 ng/ml



#5 DICAMBA

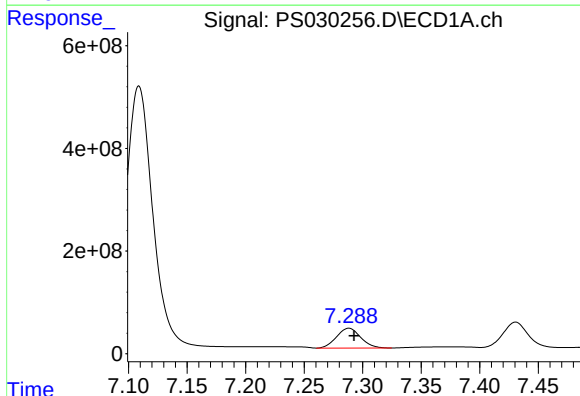
R.T.: 7.109 min
Delta R.T.: -0.001 min
Response: 8123738299
Conc: 702.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



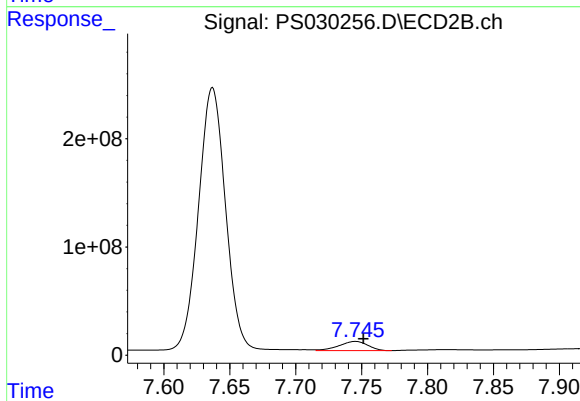
#5 DICAMBA

R.T.: 7.637 min
Delta R.T.: -0.003 min
Response: 3480383196
Conc: 736.13 ng/ml



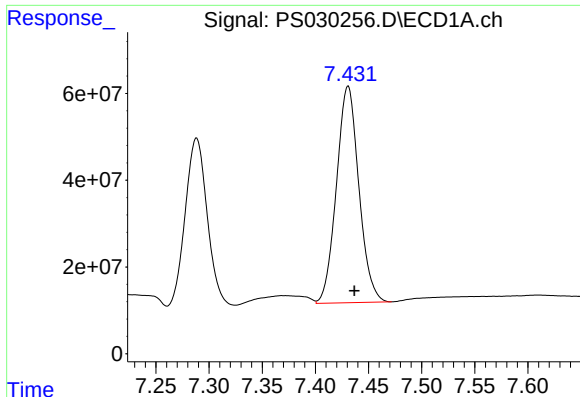
#6 MCP

R.T.: 7.288 min
Delta R.T.: -0.005 min
Response: 551366506
Conc: 75.71 ug/ml



#6 MCP

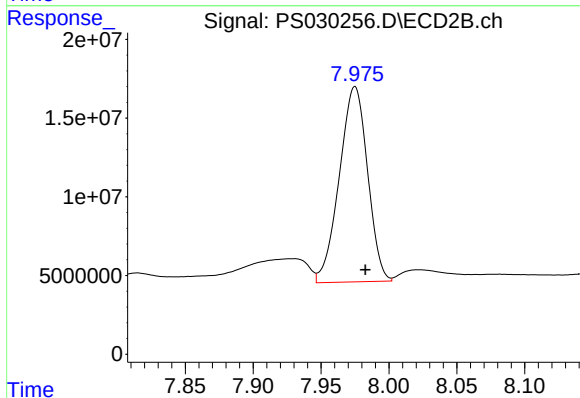
R.T.: 7.745 min
Delta R.T.: -0.006 min
Response: 129281355
Conc: 70.27 ug/ml



#7 MCPA

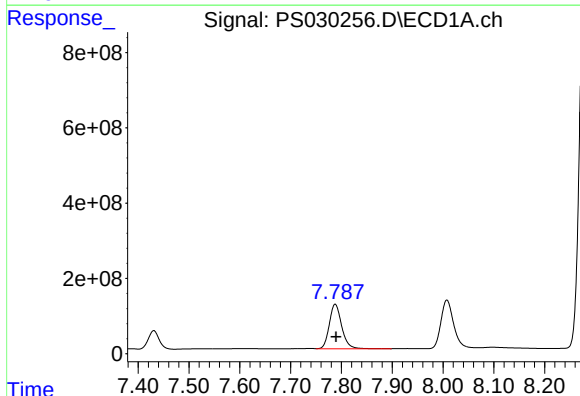
R.T.: 7.431 min
Delta R.T.: -0.006 min
Response: 733372399
Conc: 70.65 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



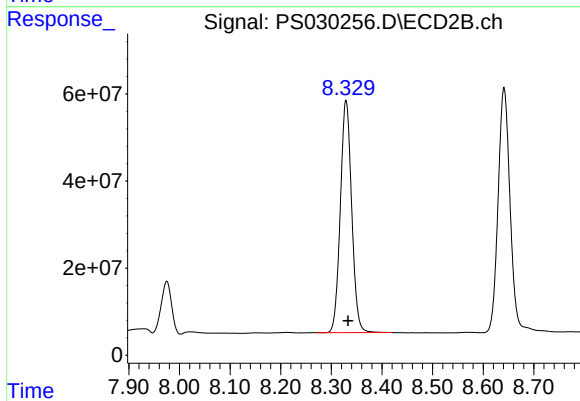
#7 MCPA

R.T.: 7.975 min
Delta R.T.: -0.008 min
Response: 179572333
Conc: 68.08 ug/ml



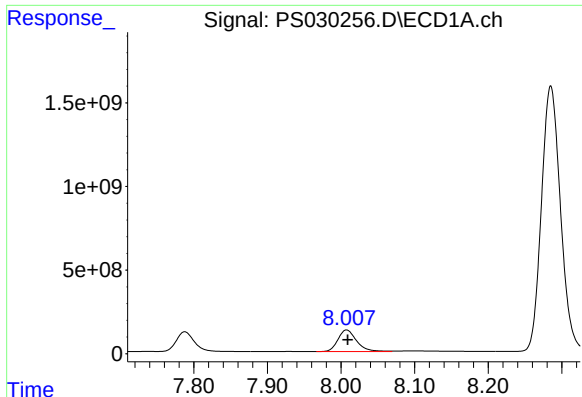
#8 DICHLORPROP

R.T.: 7.788 min
Delta R.T.: -0.002 min
Response: 2003477247
Conc: 685.81 ng/ml



#8 DICHLORPROP

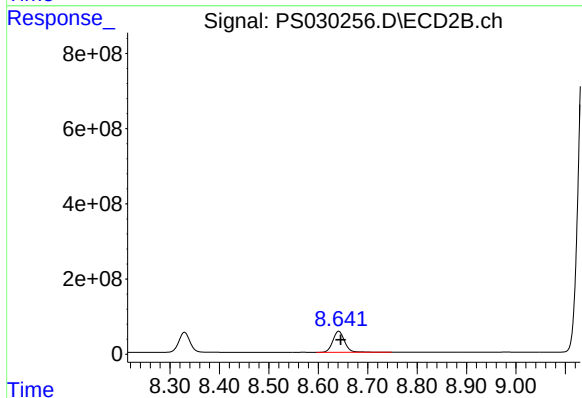
R.T.: 8.329 min
Delta R.T.: -0.004 min
Response: 829692566
Conc: 702.28 ng/ml



#9 2,4-D

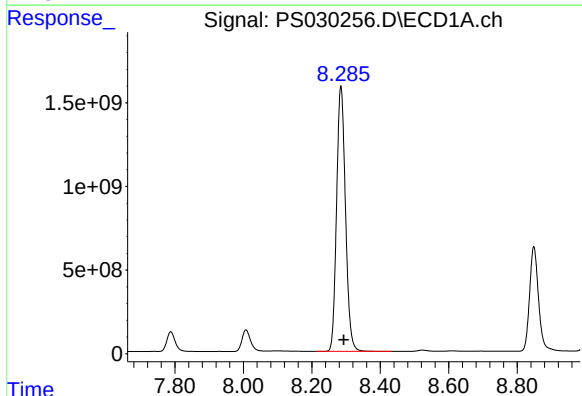
R.T.: 8.008 min
Delta R.T.: -0.002 min
Response: 2266292996
Conc: 691.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



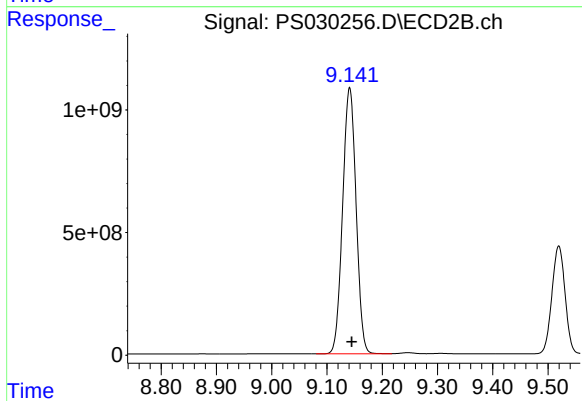
#9 2,4-D

R.T.: 8.641 min
Delta R.T.: -0.004 min
Response: 930490433
Conc: 721.03 ng/ml



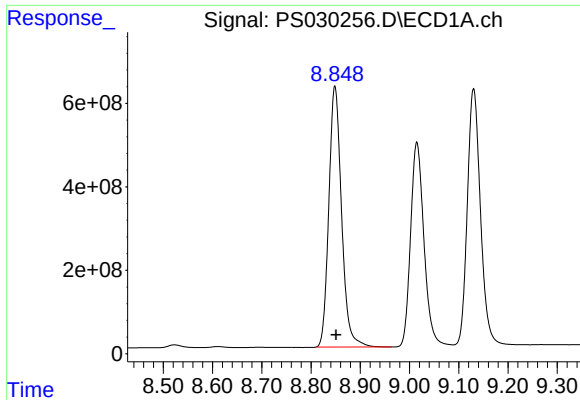
#10 Pentachlorophenol

R.T.: 8.285 min
Delta R.T.: -0.008 min
Response: 28573600764
Conc: 705.51 ng/ml



#10 Pentachlorophenol

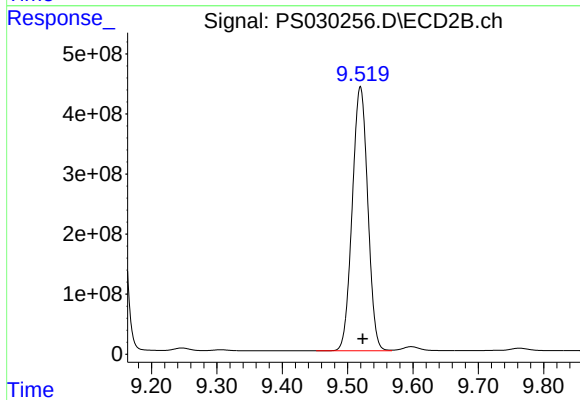
R.T.: 9.141 min
Delta R.T.: -0.004 min
Response: 18383178381
Conc: 744.71 ng/ml



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

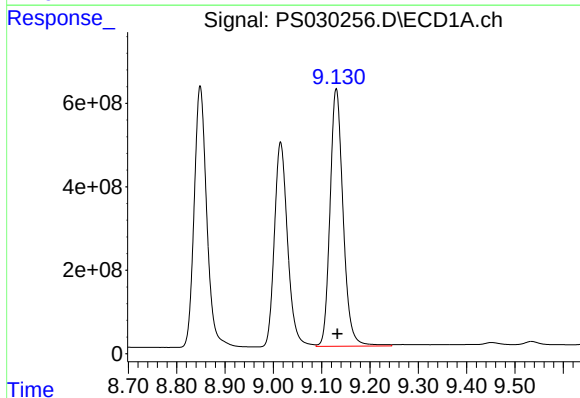
R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 11234682810
Conc: 693.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



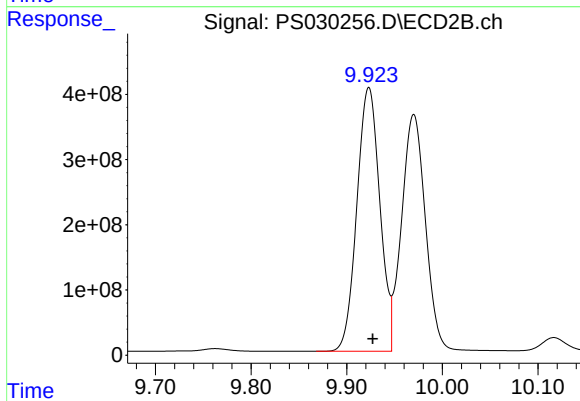
#11 2,4,5-TP (SILVEX)

R.T.: 9.520 min
Delta R.T.: -0.004 min
Response: 7251162008
Conc: 736.13 ng/ml



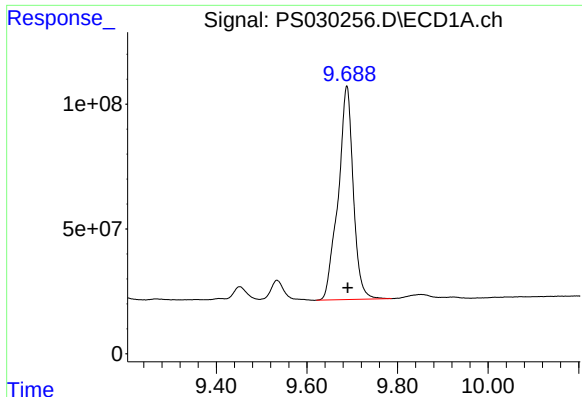
#12 2,4,5-T

R.T.: 9.130 min
Delta R.T.: -0.003 min
Response: 11595929648
Conc: 702.14 ng/ml



#12 2,4,5-T

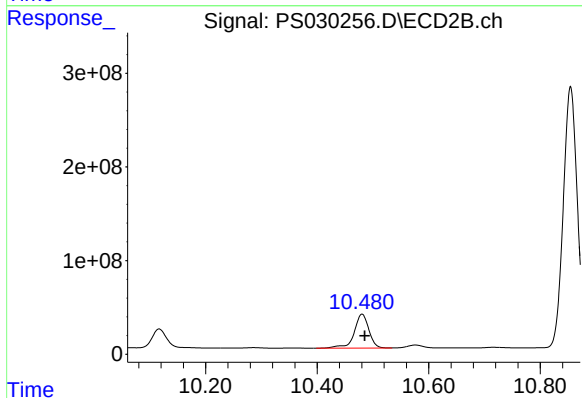
R.T.: 9.923 min
Delta R.T.: -0.004 min
Response: 6748673659
Conc: 733.26 ng/ml



#13 2,4-DB

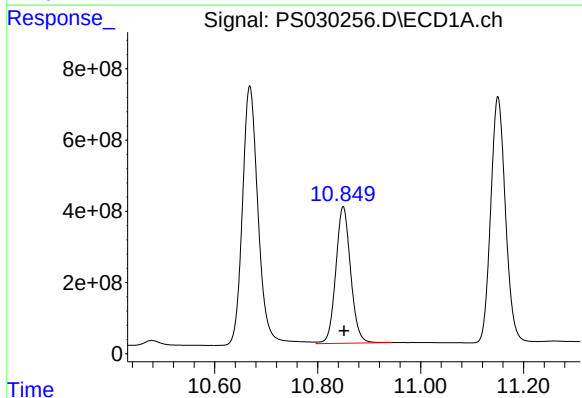
R.T.: 9.688 min
Delta R.T.: -0.002 min
Response: 1982152603
Conc: 759.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



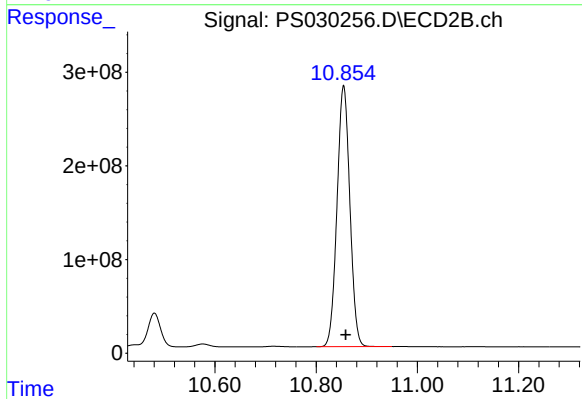
#13 2,4-DB

R.T.: 10.480 min
Delta R.T.: -0.005 min
Response: 663338714
Conc: 668.44 ng/ml



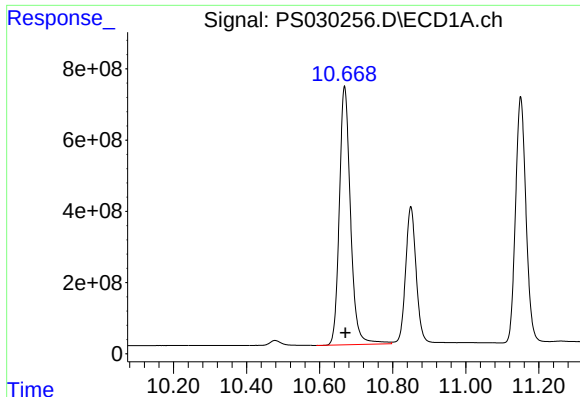
#14 DINOSEB

R.T.: 10.850 min
Delta R.T.: -0.002 min
Response: 7656602286
Conc: 669.50 ng/ml



#14 DINOSEB

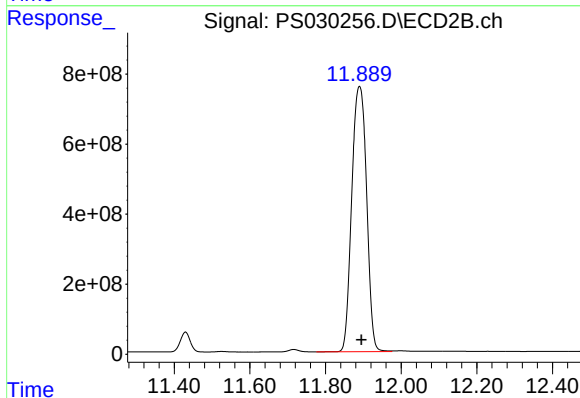
R.T.: 10.854 min
Delta R.T.: -0.004 min
Response: 4901973748
Conc: 717.50 ng/ml



#15 Picloram

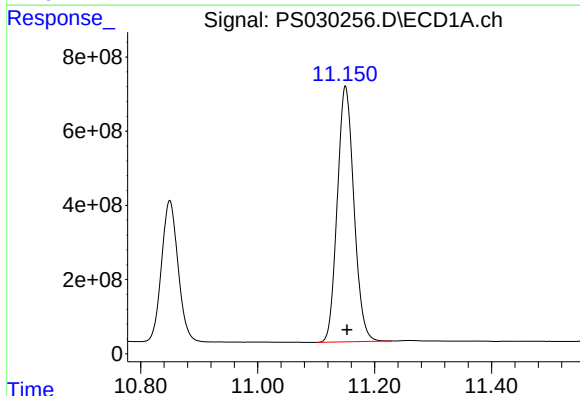
R.T.: 10.668 min
Delta R.T.: -0.002 min
Response: 15380845972
Conc: 719.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



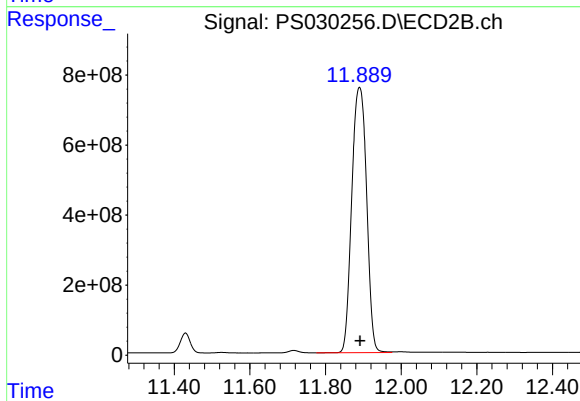
#15 Picloram

R.T.: 11.890 min
Delta R.T.: -0.005 min
Response: 20631816414
Conc: 1466.04 ng/ml



#16 DCPA

R.T.: 11.150 min
Delta R.T.: -0.003 min
Response: 13622784191
Conc: 684.17 ng/ml



#16 DCPA

R.T.: 11.890 min
Delta R.T.: -0.002 min
Response: 20631816414
Conc: 1527.09 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
 Data File : PS030276.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 16:37
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 02:08:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.932	7.451	2167.6E6	601.5E6	761.131	751.735
Target Compounds							
1) T	Dalapon	2.446	2.519	3426.0E6	1387.6E6	697.008	683.185
2) T	3,5-DICHL...	6.137	6.451	2951.1E6	778.7E6	707.616	667.959
3) T	4-Nitroph...	6.722	6.986	1463.7E6	645.1E6	708.580	617.861
5) T	DICAMBA	7.108	7.636	8368.8E6	3447.4E6	724.114	729.140
6) T	MCPD	7.288	7.745	565.9E6	130.2E6	77.706	70.790
7) T	MCPA	7.430	7.974	746.7E6	176.4E6	71.933	66.871
8) T	DICHLORPROP	7.788	8.329	2083.4E6	829.5E6	713.172	702.133
9) T	2,4-D	8.008	8.641	2369.5E6	930.1E6	722.645	720.726
10) T	Pentachlo...	8.285	9.140	30076.2E6	18477.5E6	742.608	748.534
11) T	2,4,5-TP ...	8.849	9.518	11891.9E6	7293.0E6	734.248	740.374
12) T	2,4,5-T	9.130	9.922	12221.9E6	6769.8E6	740.038	735.563
13) T	2,4-DB	9.688	10.481	2068.7E6	667.4E6	792.673	672.495
14) T	DINOSEB	10.849	10.854	8211.7E6	4973.2E6	718.032	727.930
15) T	Picloram	10.669	11.889	15956.0E6	20939.3E6	746.064	1487.896 #
16) T	DCPA	11.151	11.889	14640.5E6	20939.3E6	735.277	1549.854 #

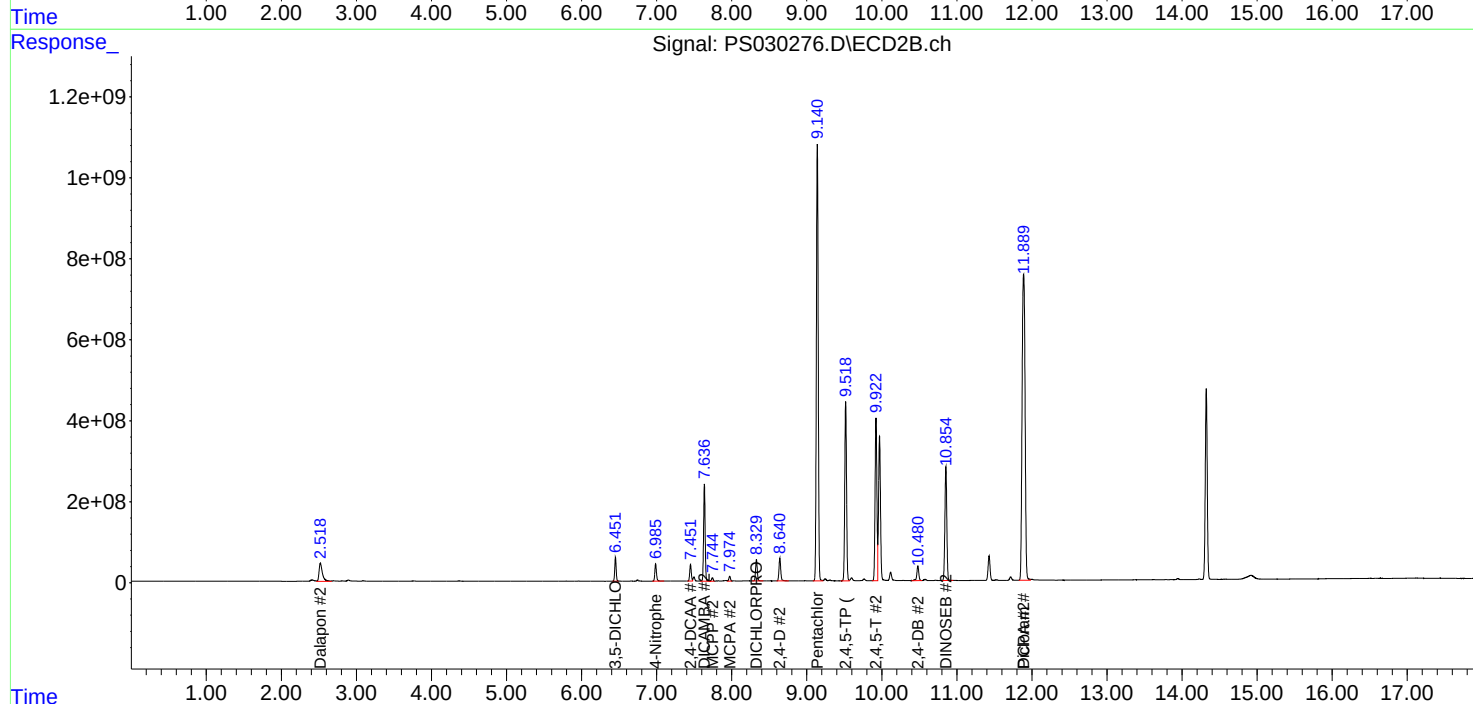
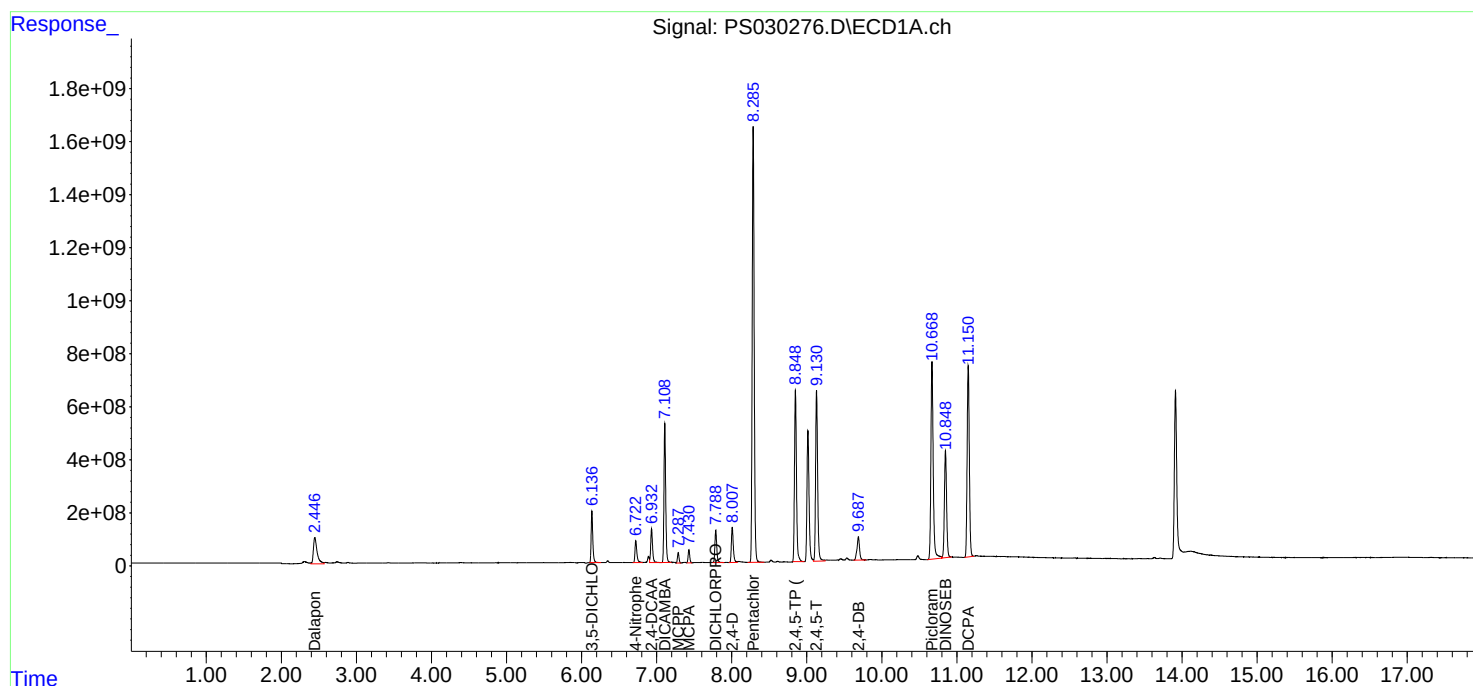
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

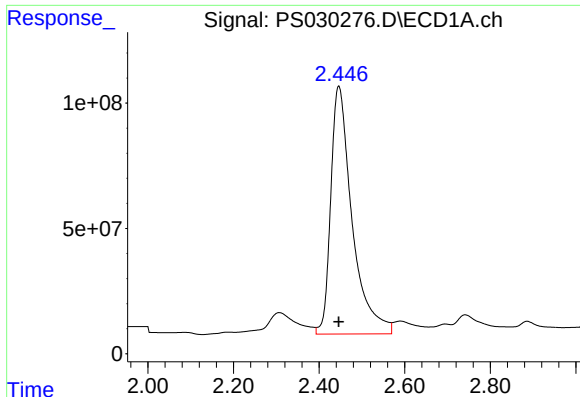
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 16:37
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:08:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

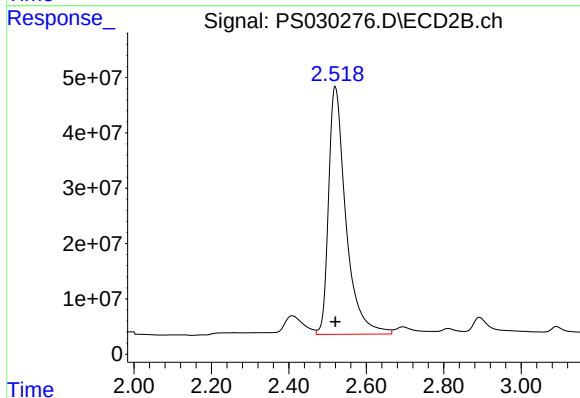




#1 Dalapon

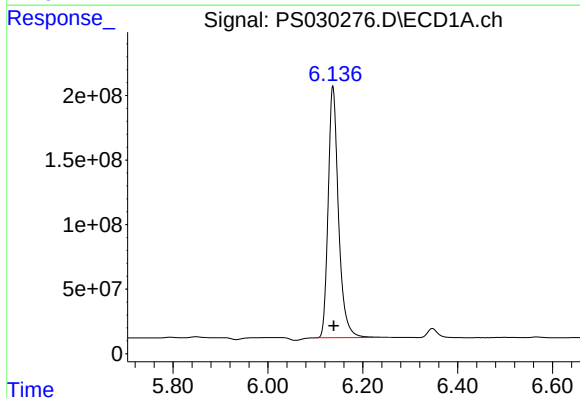
R.T.: 2.446 min
Delta R.T.: 0.000 min
Response: 3426047191
Conc: 697.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



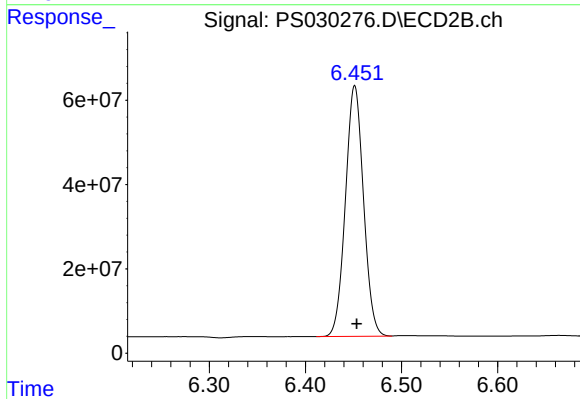
#1 Dalapon

R.T.: 2.519 min
Delta R.T.: 0.000 min
Response: 1387583085
Conc: 683.19 ng/ml



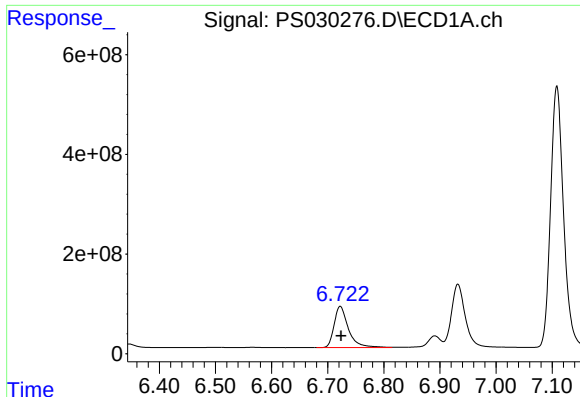
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.137 min
Delta R.T.: -0.002 min
Response: 2951147405
Conc: 707.62 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

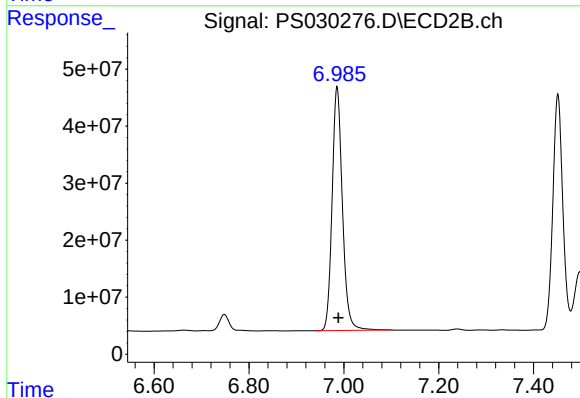
R.T.: 6.451 min
Delta R.T.: -0.002 min
Response: 778726351
Conc: 667.96 ng/ml



#3 4-Nitrophenol

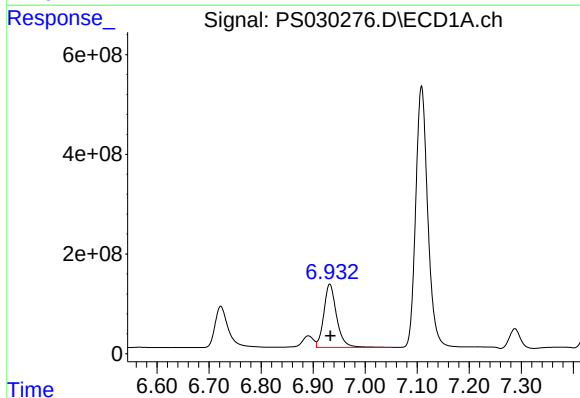
R.T.: 6.722 min
Delta R.T.: -0.001 min
Response: 1463652428
Conc: 708.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



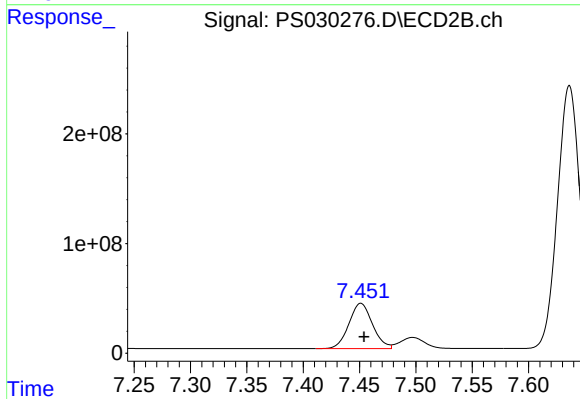
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.003 min
Response: 645067004
Conc: 617.86 ng/ml



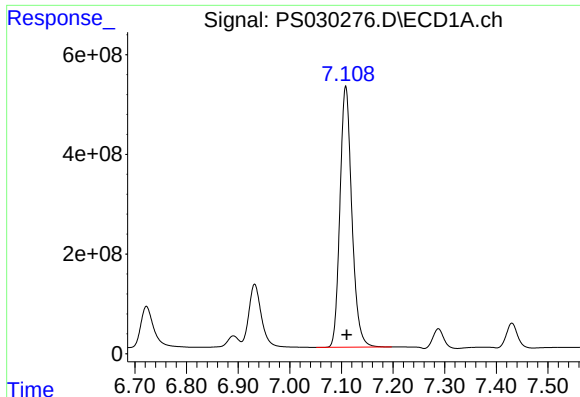
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 2167556369
Conc: 761.13 ng/ml



#4 2,4-DCAA

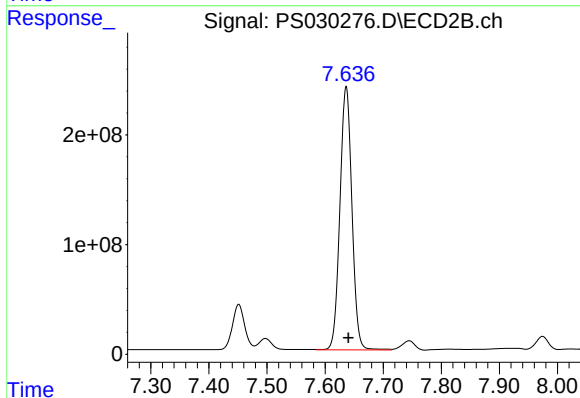
R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 601540888
Conc: 751.73 ng/ml



#5 DICAMBA

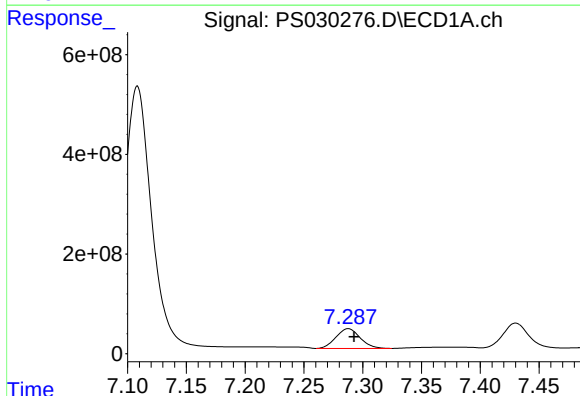
R.T.: 7.108 min
Delta R.T.: -0.002 min
Response: 8368843425
Conc: 724.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



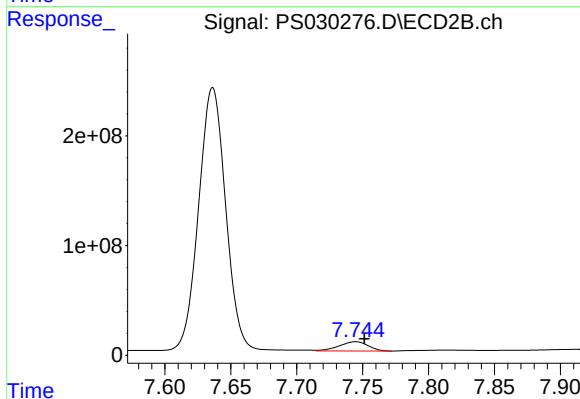
#5 DICAMBA

R.T.: 7.636 min
Delta R.T.: -0.004 min
Response: 3447355281
Conc: 729.14 ng/ml



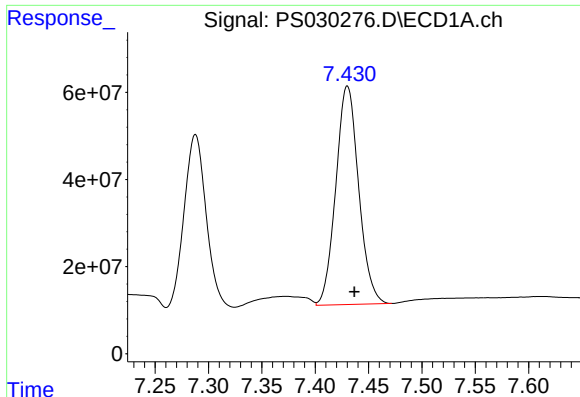
#6 MCP

R.T.: 7.288 min
Delta R.T.: -0.005 min
Response: 565909381
Conc: 77.71 ug/ml



#6 MCP

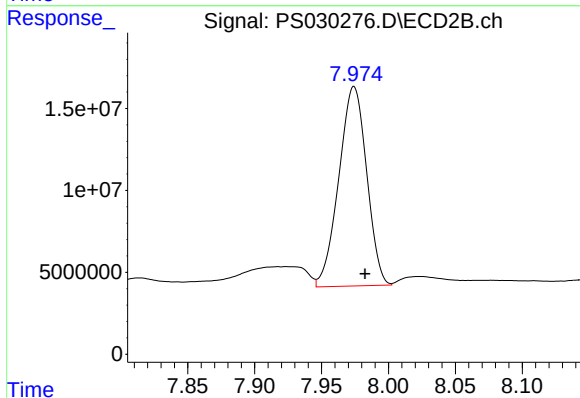
R.T.: 7.745 min
Delta R.T.: -0.007 min
Response: 130237115
Conc: 70.79 ug/ml



#7 MCPA

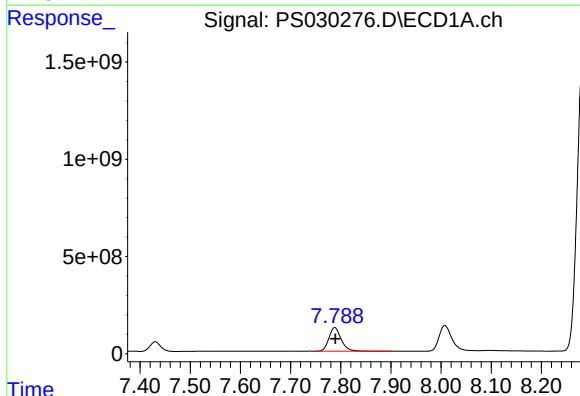
R.T.: 7.430 min
Delta R.T.: -0.007 min
Response: 746724965
Conc: 71.93 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



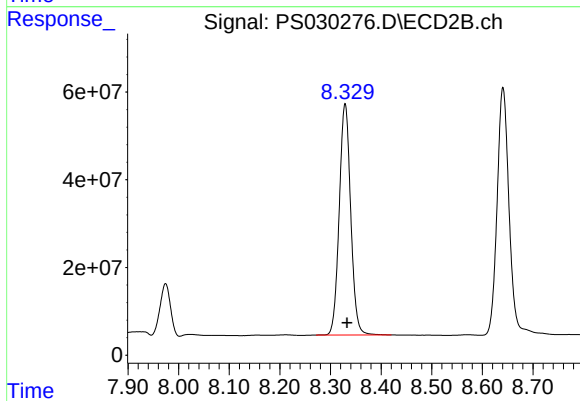
#7 MCPA

R.T.: 7.974 min
Delta R.T.: -0.008 min
Response: 176383651
Conc: 66.87 ug/ml



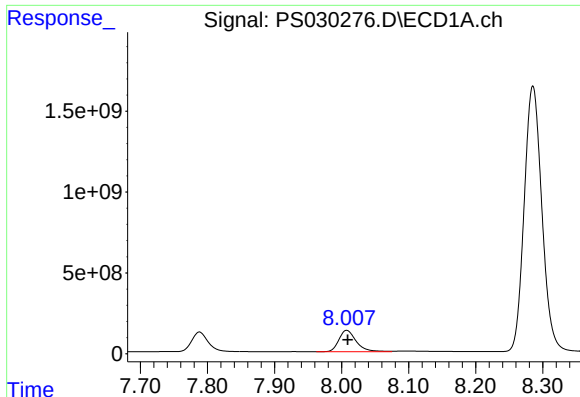
#8 DICHLORPROP

R.T.: 7.788 min
Delta R.T.: -0.001 min
Response: 2083421425
Conc: 713.17 ng/ml



#8 DICHLORPROP

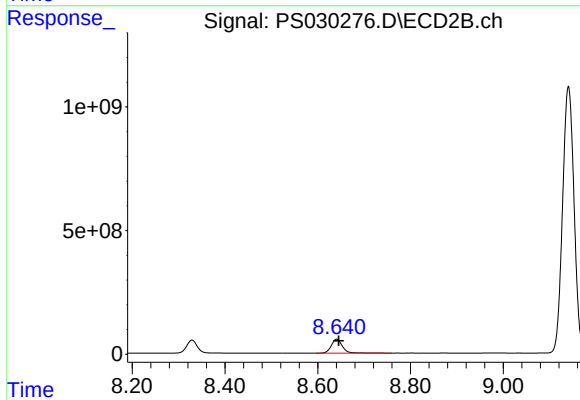
R.T.: 8.329 min
Delta R.T.: -0.004 min
Response: 829523158
Conc: 702.13 ng/ml



#9 2,4-D

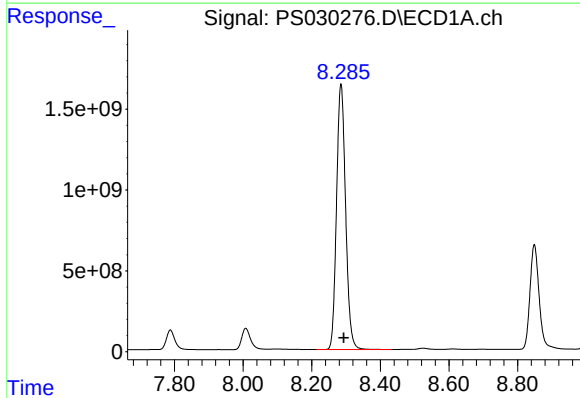
R.T.: 8.008 min
Delta R.T.: -0.002 min
Response: 2369507203
Conc: 722.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



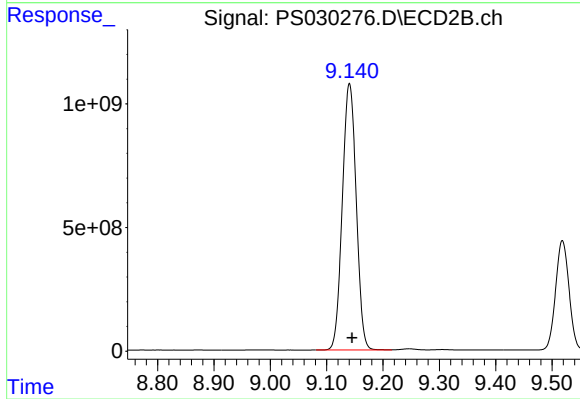
#9 2,4-D

R.T.: 8.641 min
Delta R.T.: -0.004 min
Response: 930097464
Conc: 720.73 ng/ml



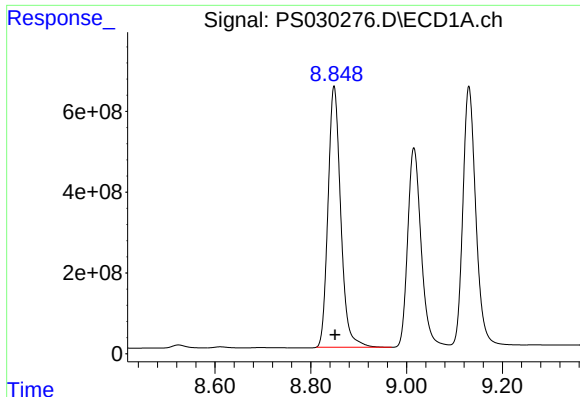
#10 Pentachlorophenol

R.T.: 8.285 min
Delta R.T.: -0.008 min
Response: 30076207820
Conc: 742.61 ng/ml



#10 Pentachlorophenol

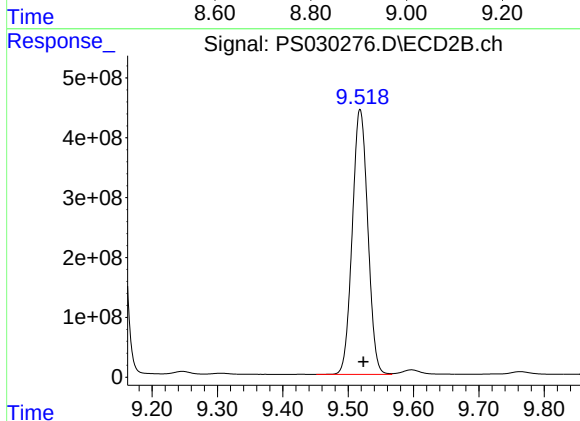
R.T.: 9.140 min
Delta R.T.: -0.005 min
Response: 18477525926
Conc: 748.53 ng/ml



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

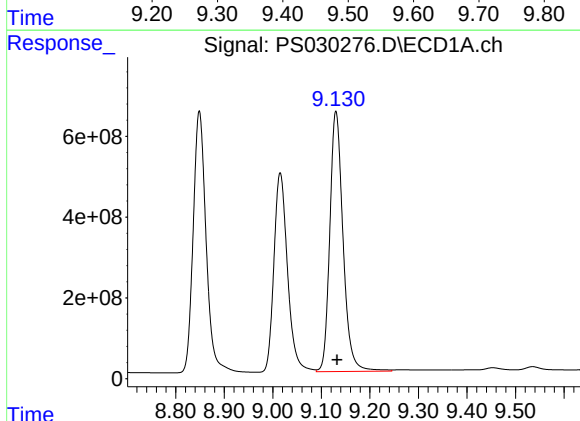
R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 11891871713
Conc: 734.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



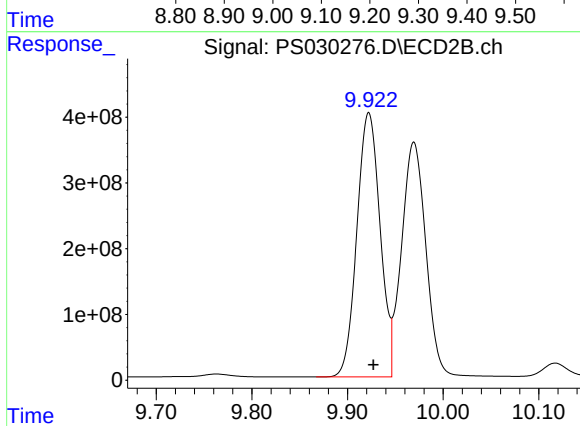
#11 2,4,5-TP (SILVEX)

R.T.: 9.518 min
Delta R.T.: -0.005 min
Response: 7293006309
Conc: 740.37 ng/ml



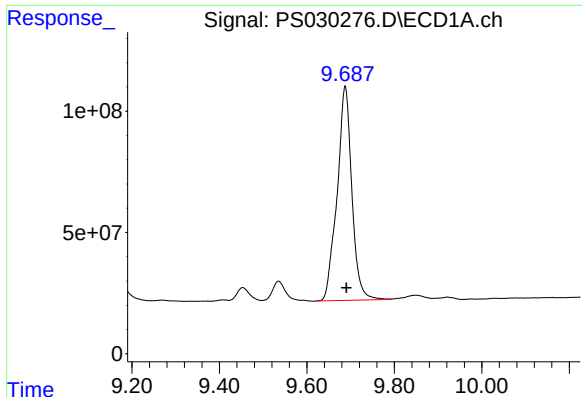
#12 2,4,5-T

R.T.: 9.130 min
Delta R.T.: -0.003 min
Response: 12221874811
Conc: 740.04 ng/ml



#12 2,4,5-T

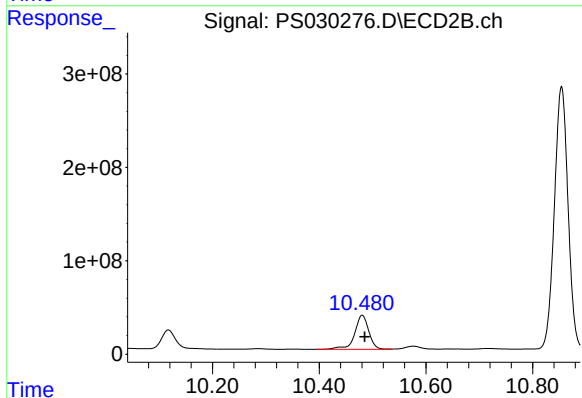
R.T.: 9.922 min
Delta R.T.: -0.005 min
Response: 6769835625
Conc: 735.56 ng/ml



#13 2,4-DB

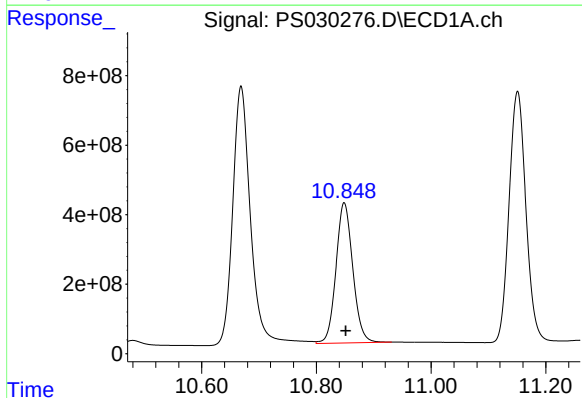
R.T.: 9.688 min
Delta R.T.: -0.003 min
Response: 2068697217
Conc: 792.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



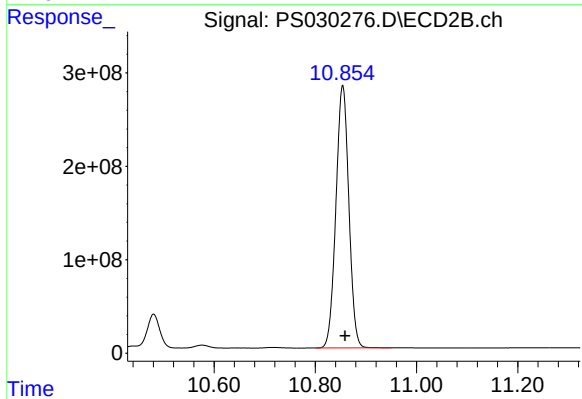
#13 2,4-DB

R.T.: 10.481 min
Delta R.T.: -0.005 min
Response: 667365165
Conc: 672.49 ng/ml



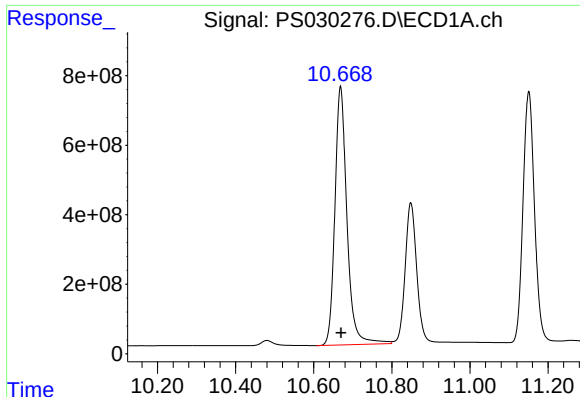
#14 DINOSEB

R.T.: 10.849 min
Delta R.T.: -0.003 min
Response: 8211671154
Conc: 718.03 ng/ml



#14 DINOSEB

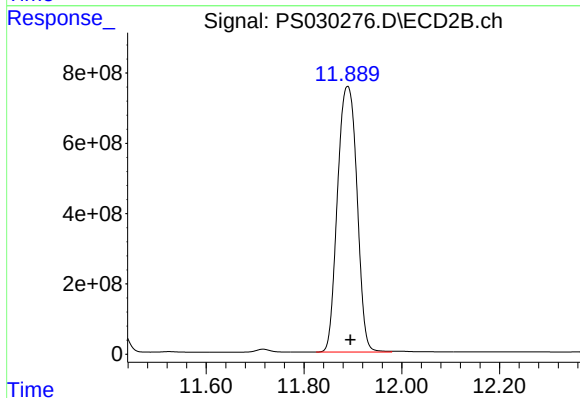
R.T.: 10.854 min
Delta R.T.: -0.005 min
Response: 4973206066
Conc: 727.93 ng/ml



#15 Picloram

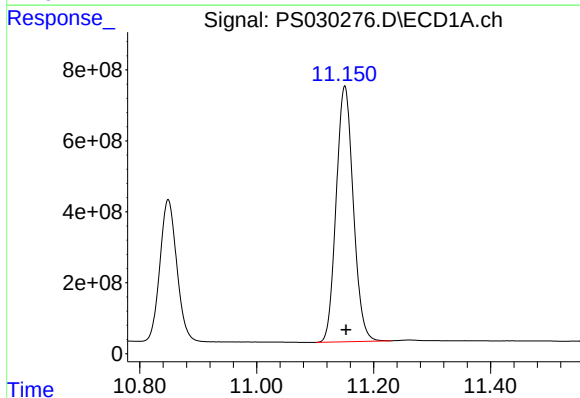
R.T.: 10.669 min
Delta R.T.: -0.001 min
Response: 15956045268
Conc: 746.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



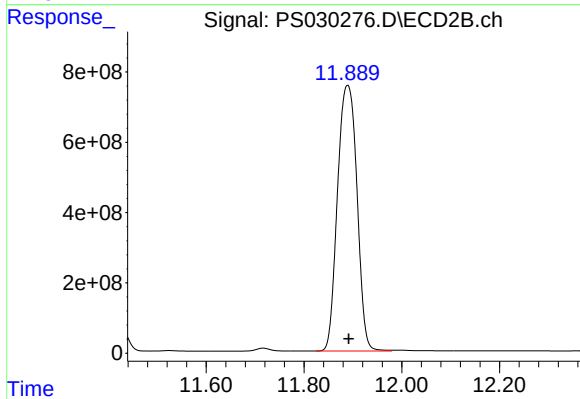
#15 Picloram

R.T.: 11.889 min
Delta R.T.: -0.006 min
Response: 20939332435
Conc: 1487.90 ng/ml



#16 DCPA

R.T.: 11.151 min
Delta R.T.: -0.002 min
Response: 14640458252
Conc: 735.28 ng/ml



#16 DCPA

R.T.: 11.889 min
Delta R.T.: -0.003 min
Response: 20939332435
Conc: 1549.85 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
 Data File : PS030279.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 17:49
 Operator : AR\AJ
 Sample : PB167996BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB167996BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 05:42:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.932	7.450	1348.1E6	347.4E6	473.371	434.109
Target Compounds							
1) T	Dalapon	2.416f	2.497	459.9E6	802.0E6	93.557	394.893 #
2) T	3,5-DICHL...	6.153	6.467	67734944	23047289	16.241	19.769
3) T	4-Nitroph...	6.716	0.000	6977945	0	3.378	N.D. #
5) T	DICAMBA	7.121	7.619	9917892	6525438	<MDL	1.380 #
6) T	MCPD	7.255f	7.710f	-50775	2702832	N.D.	1.469
7) T	MCPA	7.431	8.011f	4155455	24300889	<MDL	9.213 #
8) T	DICHLORPROP	7.798	8.362f	9082469	69773704	3.109	59.059 #
9) T	2,4-D	8.015	8.601f	6295581	2732057	1.920	2.117
10) T	Pentachlo...	8.282	9.136	14728602	14856168	<MDL	<MDL #
11) T	2,4,5-TP ...	8.875	9.542	64963810	42827795	4.011	4.348
12) T	2,4,5-T	9.174f	9.884f	323.7E6	67102059	19.601	7.291 #
13) T	2,4-DB	9.708	10.494	233.9E6	20234761	89.613	20.390 #
14) T	DINOSEB	0.000	10.847	0	27002397	N.D.	3.952
15) T	Picloram	10.627f	11.916	75012606	105.1E6	3.507	7.471 #
16) T	DCPA	0.000	11.916	0	105.1E6	N.D.	7.782

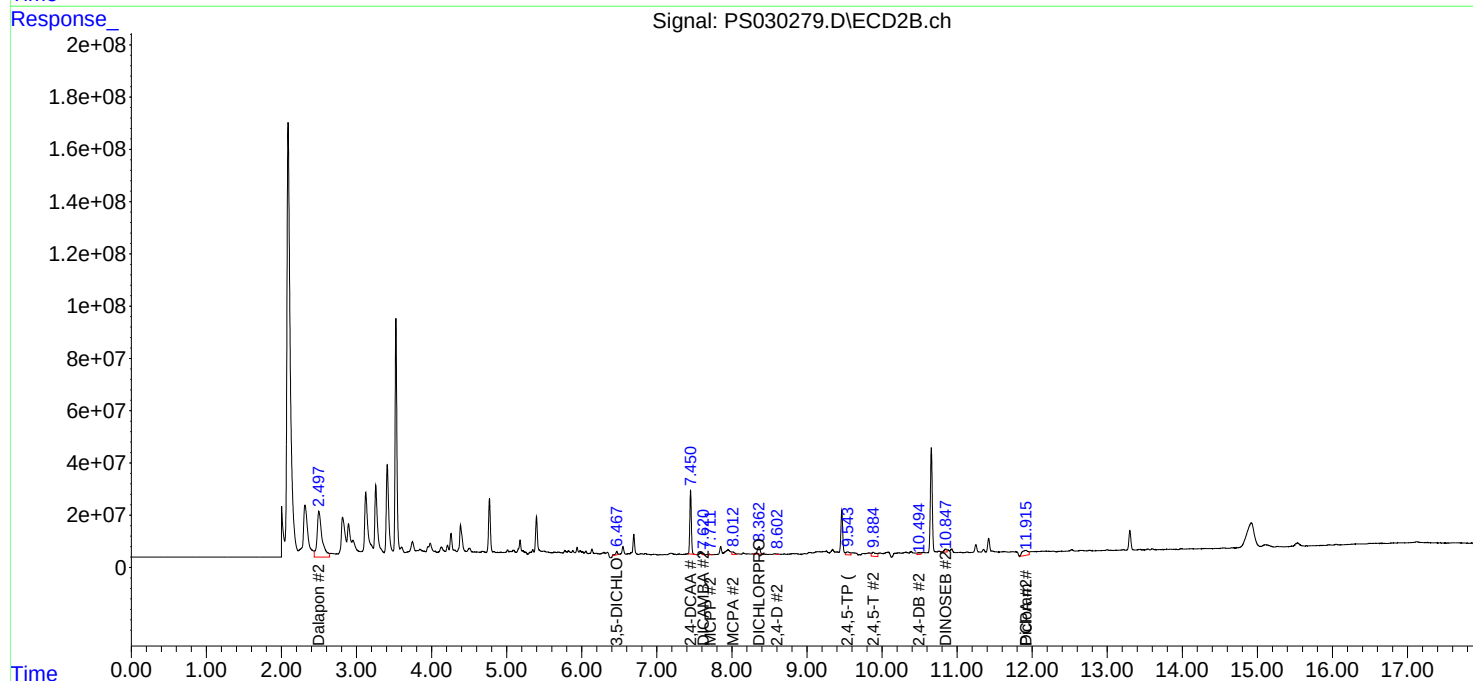
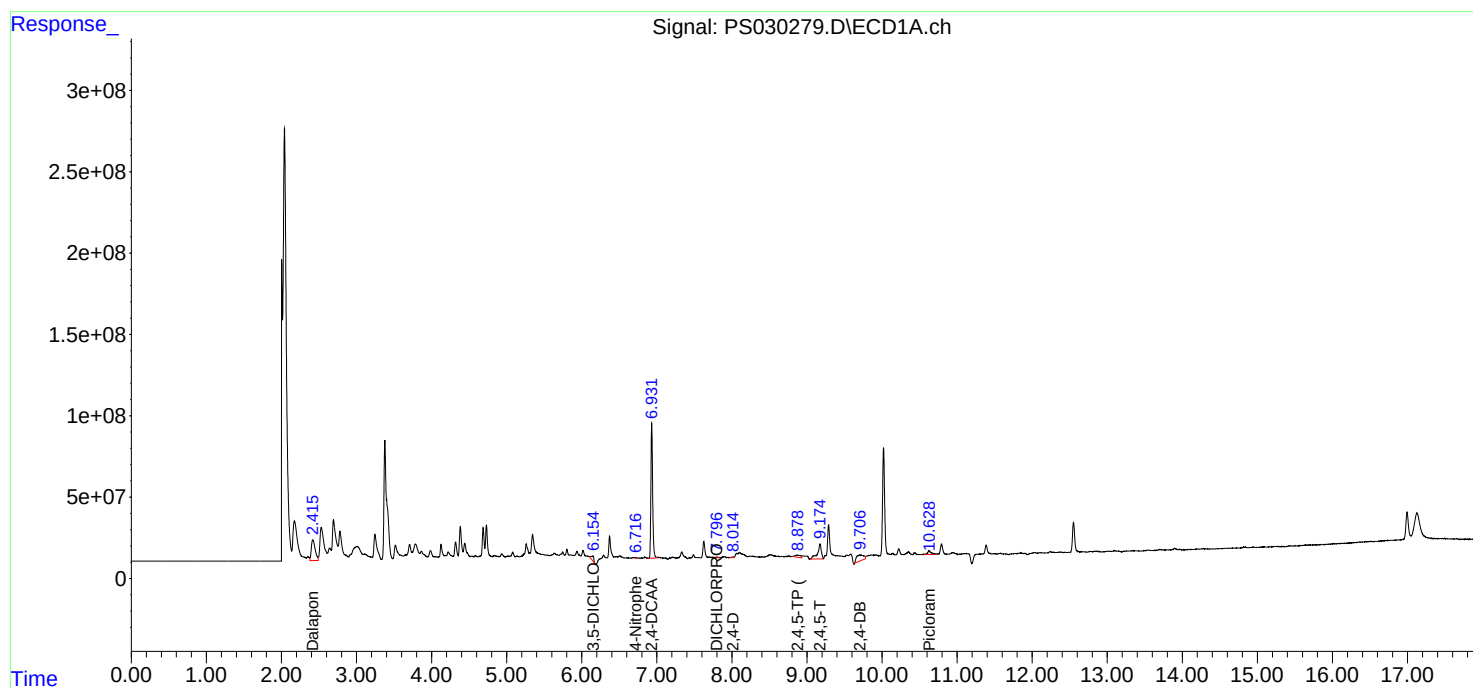
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

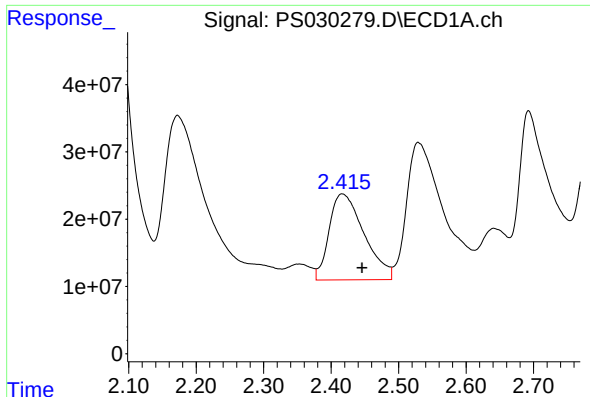
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 17:49
Operator : AR\AJ
Sample : PB167996BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167996BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:42:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

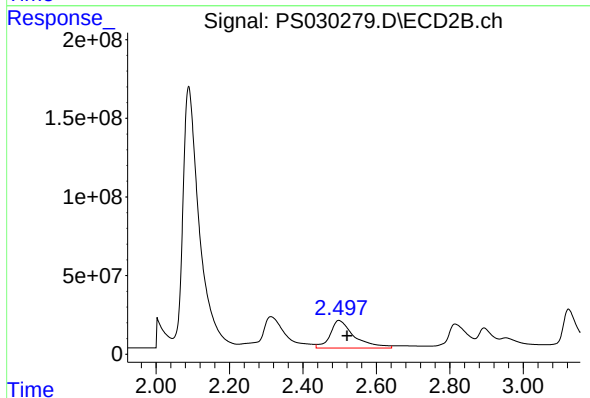




#1 Dalapon

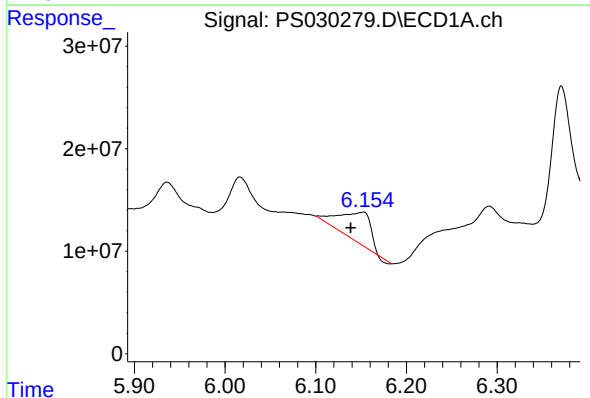
R.T.: 2.416 min
Delta R.T.: -0.030 min
Response: 459866558
Conc: 93.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BL



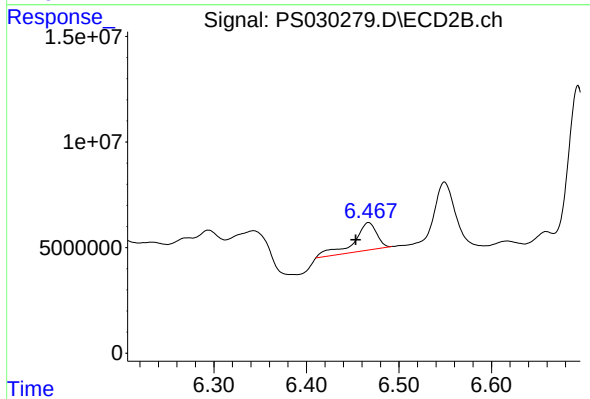
#1 Dalapon

R.T.: 2.497 min
Delta R.T.: -0.023 min
Response: 802046714
Conc: 394.89 ng/ml



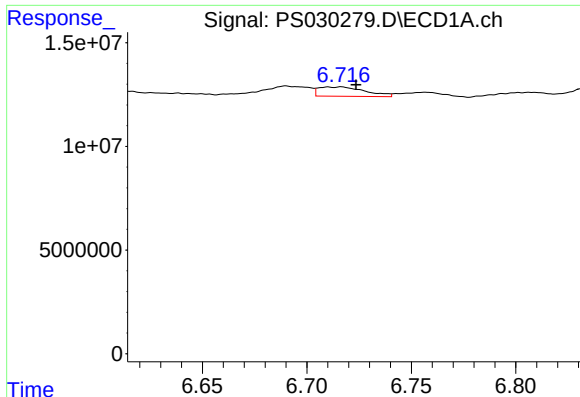
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.153 min
Delta R.T.: 0.014 min
Response: 67734944
Conc: 16.24 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

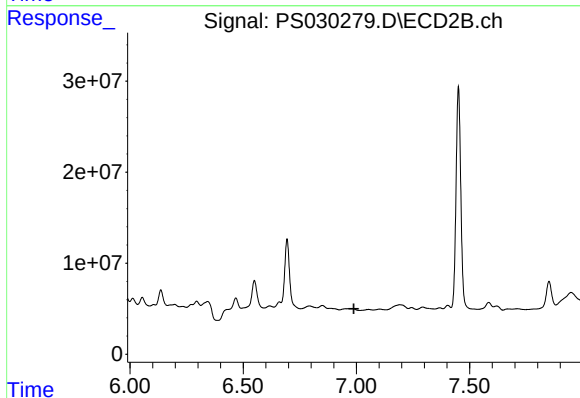
R.T.: 6.467 min
Delta R.T.: 0.014 min
Response: 23047289
Conc: 19.77 ng/ml



#3 4-Nitrophenol

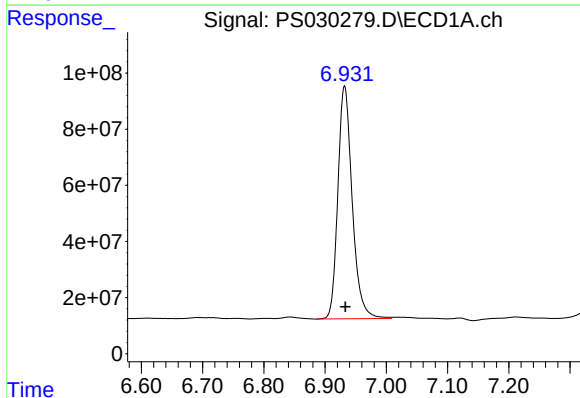
R.T.: 6.716 min
Delta R.T.: -0.007 min
Response: 6977945
Conc: 3.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BL



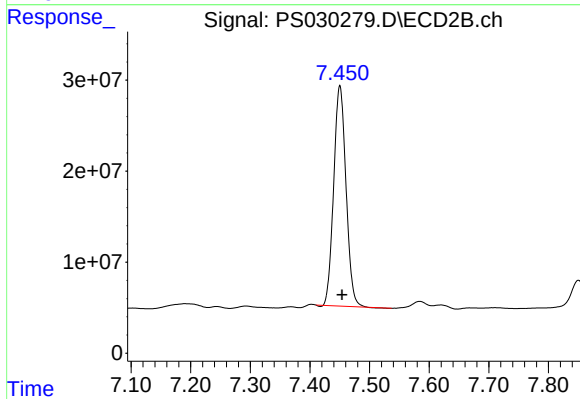
#3 4-Nitrophenol

R.T.: 0.000 min
Exp R.T. : 6.988 min
Response: 0
Conc: N.D.



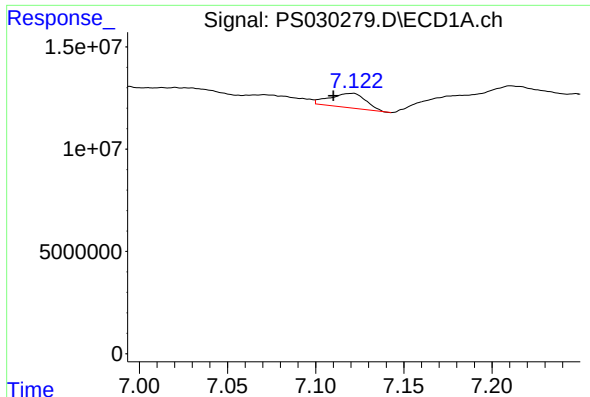
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 1348070503
Conc: 473.37 ng/ml



#4 2,4-DCAA

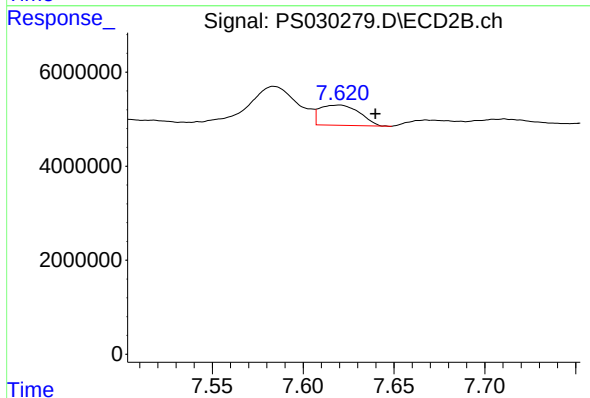
R.T.: 7.450 min
Delta R.T.: -0.004 min
Response: 347375186
Conc: 434.11 ng/ml



#5 DICAMBA

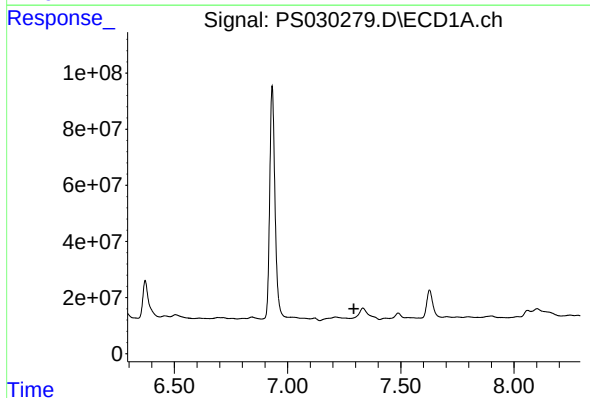
R.T.: 7.121 min
Delta R.T.: 0.010 min
Response: 9917892
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
PB167996BL



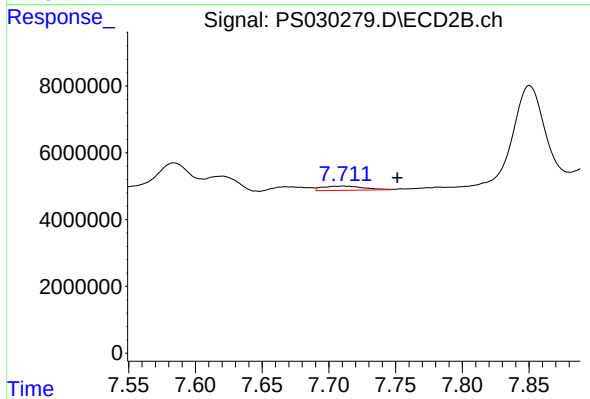
#5 DICAMBA

R.T.: 7.619 min
Delta R.T.: -0.021 min
Response: 6525438
Conc: 1.38 ng/ml



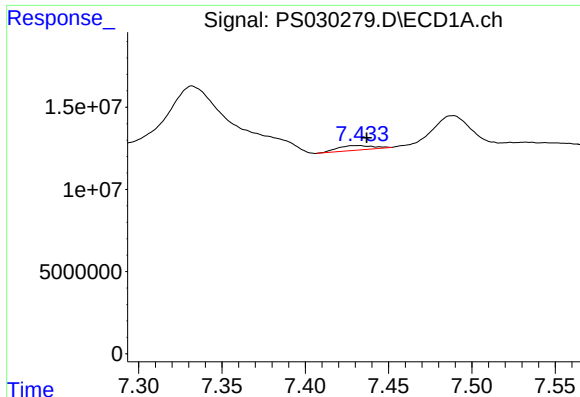
#6 MCP

R.T.: 7.255 min
Delta R.T.: -0.038 min
Response: -50775
Conc: N.D.



#6 MCP

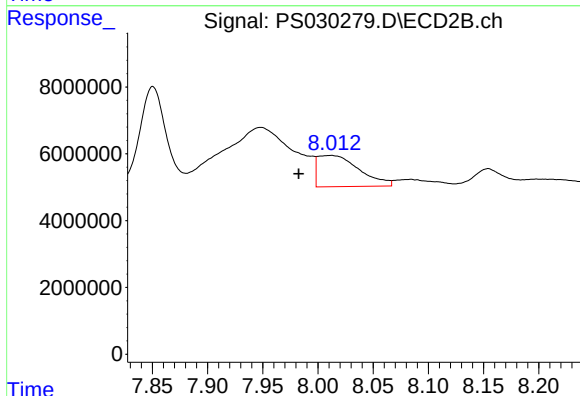
R.T.: 7.710 min
Delta R.T.: -0.041 min
Response: 2702832
Conc: 1.47 ug/ml



#7 MCPA

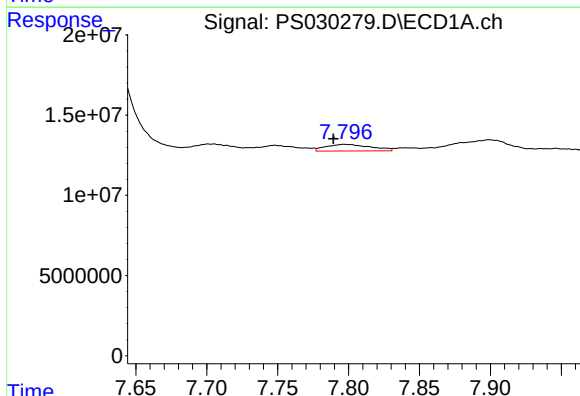
R.T.: 7.431 min
Delta R.T.: -0.006 min
Response: 4155455
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
PB167996BL



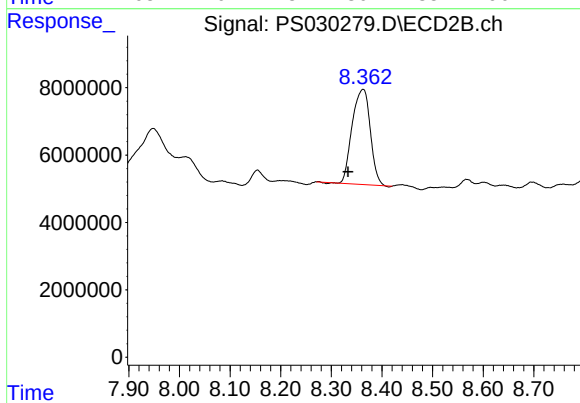
#7 MCPA

R.T.: 8.011 min
Delta R.T.: 0.029 min
Response: 24300889
Conc: 9.21 ug/ml



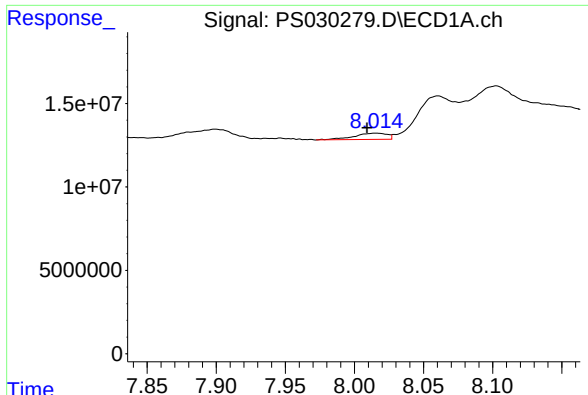
#8 DICHLORPROP

R.T.: 7.798 min
Delta R.T.: 0.008 min
Response: 9082469
Conc: 3.11 ng/ml



#8 DICHLORPROP

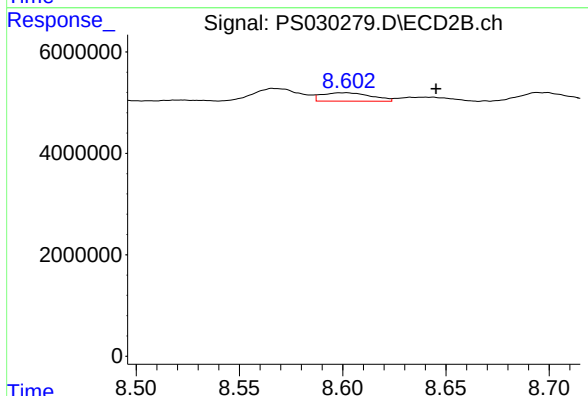
R.T.: 8.362 min
Delta R.T.: 0.030 min
Response: 69773704
Conc: 59.06 ng/ml



#9 2,4-D

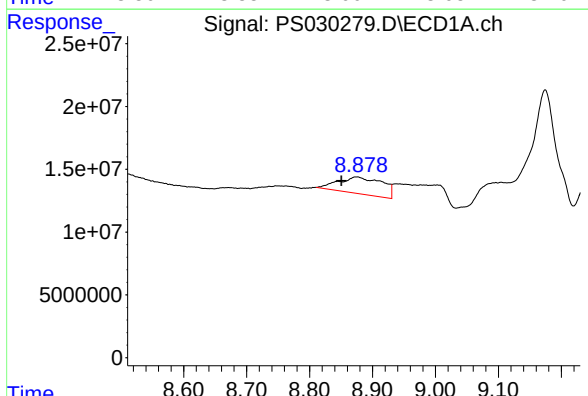
R.T.: 8.015 min
Delta R.T.: 0.006 min
Response: 6295581
Conc: 1.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BL



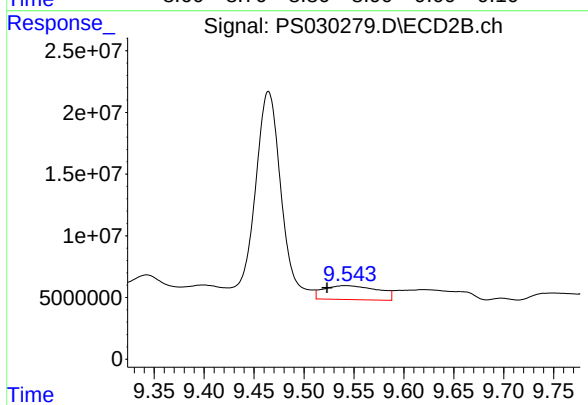
#9 2,4-D

R.T.: 8.601 min
Delta R.T.: -0.044 min
Response: 2732057
Conc: 2.12 ng/ml



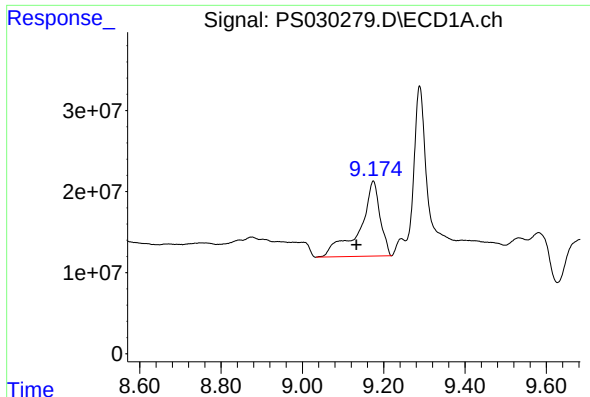
#11 2,4,5-TP (SILVEX)

R.T.: 8.875 min
Delta R.T.: 0.024 min
Response: 64963810
Conc: 4.01 ng/ml



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

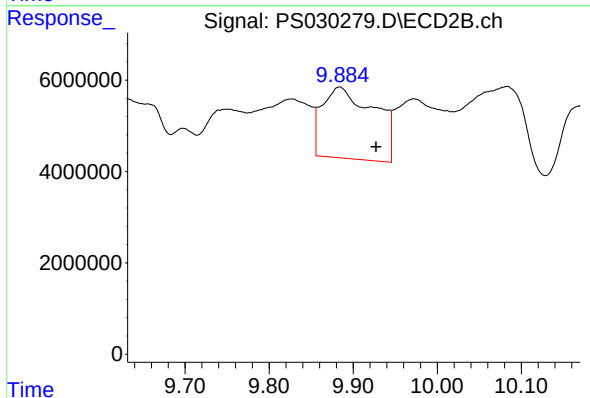
R.T.: 9.542 min
Delta R.T.: 0.018 min
Response: 42827795
Conc: 4.35 ng/ml



#12 2,4,5-T

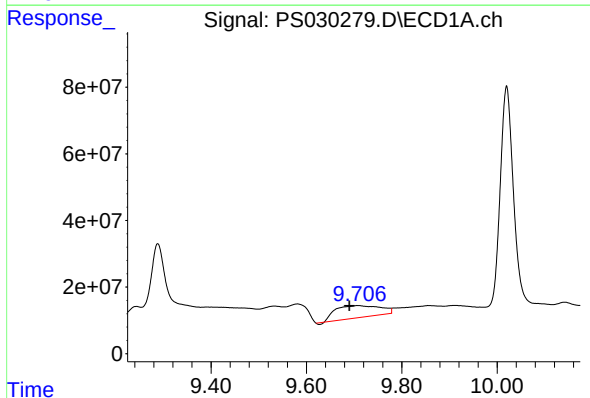
R.T.: 9.174 min
Delta R.T.: 0.041 min
Response: 323710960
Conc: 19.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BL



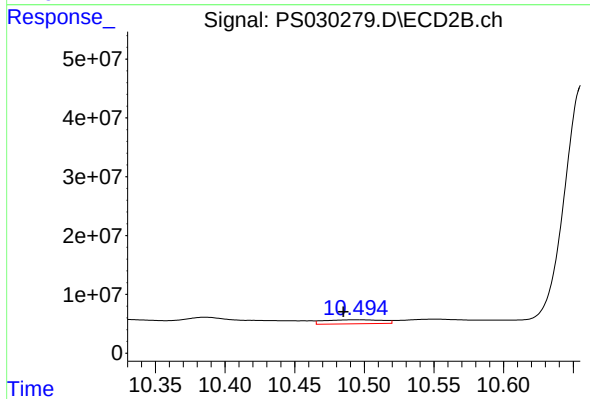
#12 2,4,5-T

R.T.: 9.884 min
Delta R.T.: -0.043 min
Response: 67102059
Conc: 7.29 ng/ml



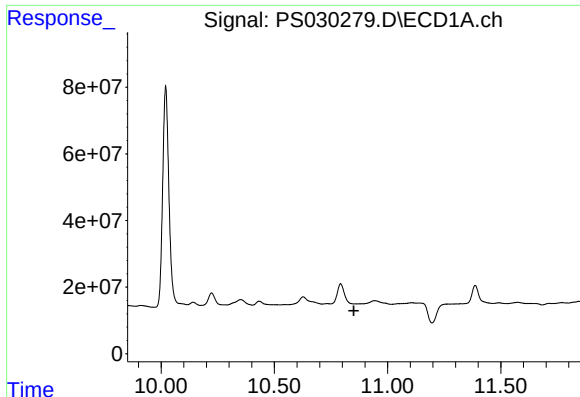
#13 2,4-DB

R.T.: 9.708 min
Delta R.T.: 0.018 min
Response: 233868670
Conc: 89.61 ng/ml



#13 2,4-DB

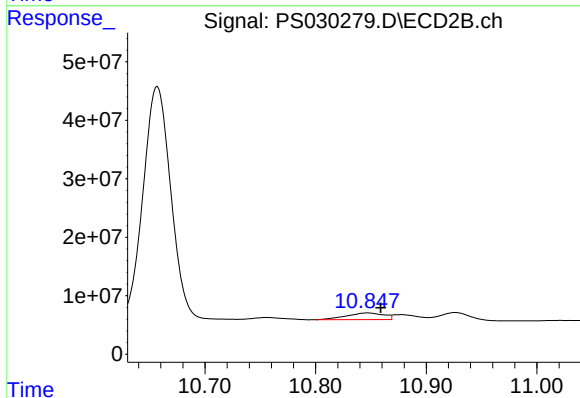
R.T.: 10.494 min
Delta R.T.: 0.009 min
Response: 20234761
Conc: 20.39 ng/ml



#14 DINOSEB

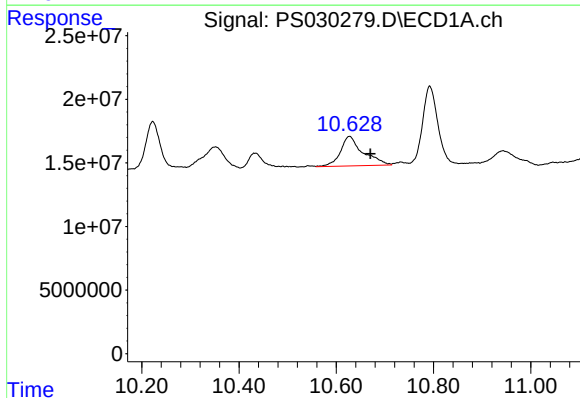
R.T.: 0.000 min
Exp R.T.: 10.852 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
PB167996BL



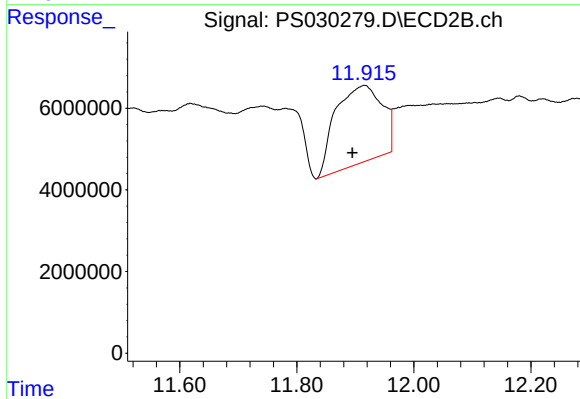
#14 DINOSEB

R.T.: 10.847 min
Delta R.T.: -0.012 min
Response: 27002397
Conc: 3.95 ng/ml



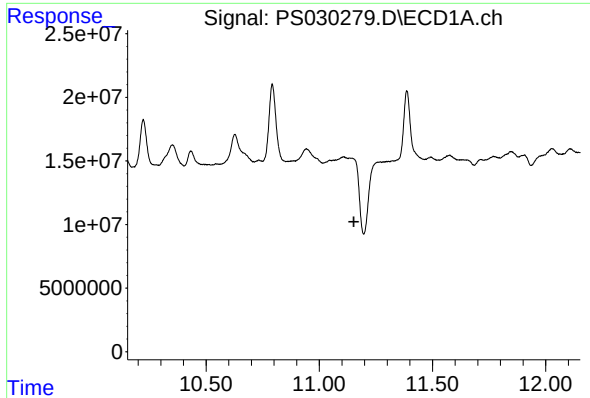
#15 Picloram

R.T.: 10.627 min
Delta R.T.: -0.043 min
Response: 75012606
Conc: 3.51 ng/ml



#15 Picloram

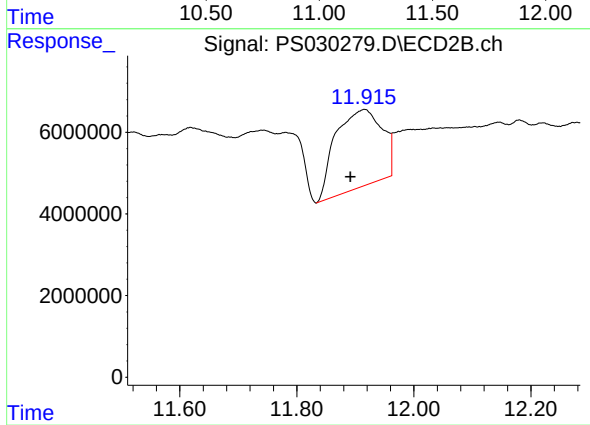
R.T.: 11.916 min
Delta R.T.: 0.021 min
Response: 105136727
Conc: 7.47 ng/ml



#16 DCPA

R.T.: 0.000 min
Exp R.T.: 11.153 min
Response: 0
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
PB167996BL



#16 DCPA

R.T.: 11.916 min
Delta R.T.: 0.024 min
Response: 105136727
Conc: 7.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
 Data File : PS030280.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 18:13
 Operator : AR\AJ
 Sample : PB167996BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB167996BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 05:42:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.932	7.450	1576.6E6	431.7E6	553.633	539.470
Target Compounds							
1) T	Dalapon	2.445	2.519	2484.1E6	993.0E6	505.384	488.932
2) T	3,5-DICHL...	6.137	6.451	2135.8E6	554.9E6	512.115	475.998
3) T	4-Nitroph...	6.723	6.986	1043.6E6	456.1E6	505.228	436.849
5) T	DICAMBA	7.108	7.636	6004.5E6	2404.1E6	519.542	508.483
6) T	MCPD	7.286	7.743	382.3E6	90072432	52.500	48.959
7) T	MCPA	7.429	7.972	514.5E6	130.2E6	49.558	49.349
8) T	DICHLORPROP	7.788	8.328	1509.5E6	592.8E6	516.725	501.772
9) T	2,4-D	8.008	8.640	1713.9E6	665.8E6	522.706	515.935
10) T	Pentachlo...	8.285	9.140	21866.4E6	13204.8E6	539.902	534.935
11) T	2,4,5-TP ...	8.849	9.519	8605.9E6	5170.4E6	531.358	524.888
12) T	2,4,5-T	9.130	9.922	8831.4E6	4796.2E6	534.747	521.117
13) T	2,4-DB	9.688	10.480	1472.5E6	452.1E6	564.207	455.529
14) T	DINOSEB	10.849	10.853	5993.5E6	3504.8E6	524.073	512.993
15) T	Picloram	10.669	11.888	11372.7E6	14636.0E6	531.760	1039.997 #
16) T	DCPA	11.150	11.888	10673.0E6	14636.0E6	536.021	1083.304 #

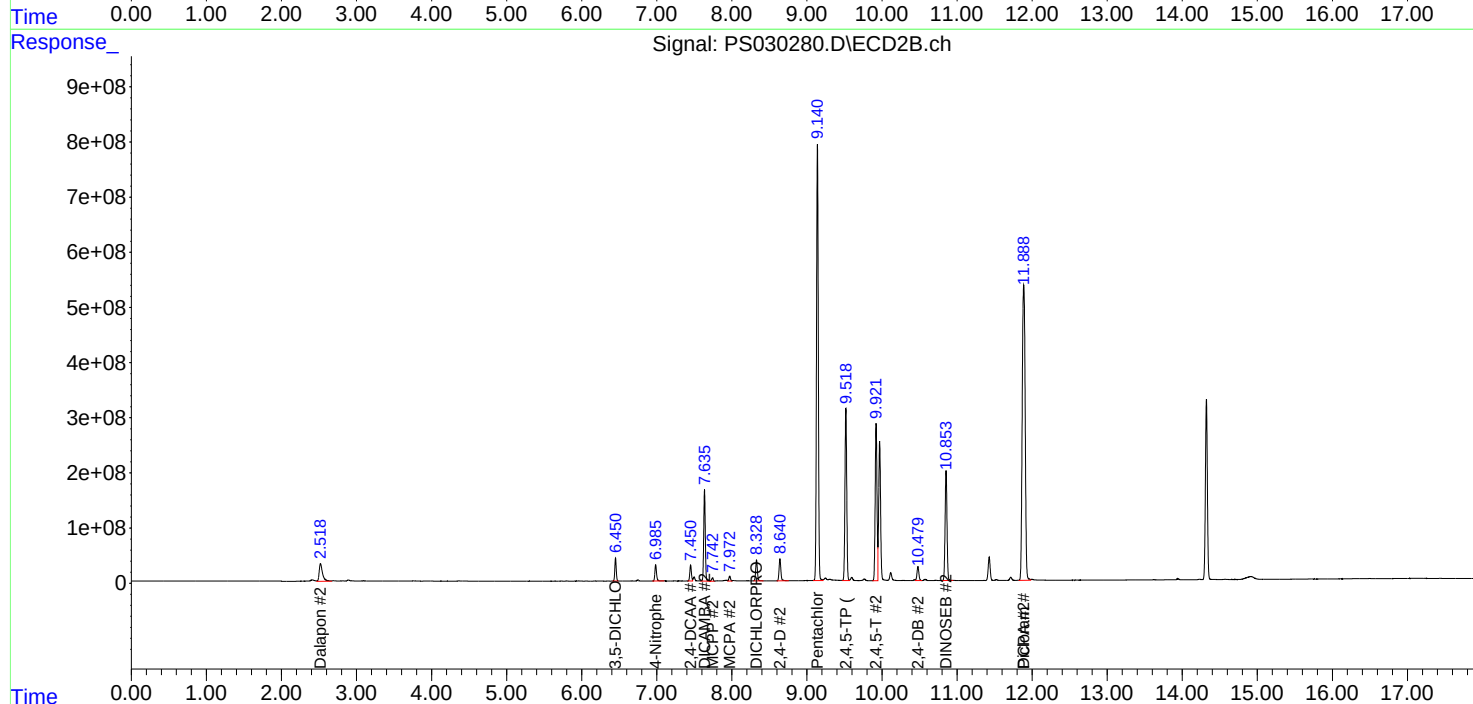
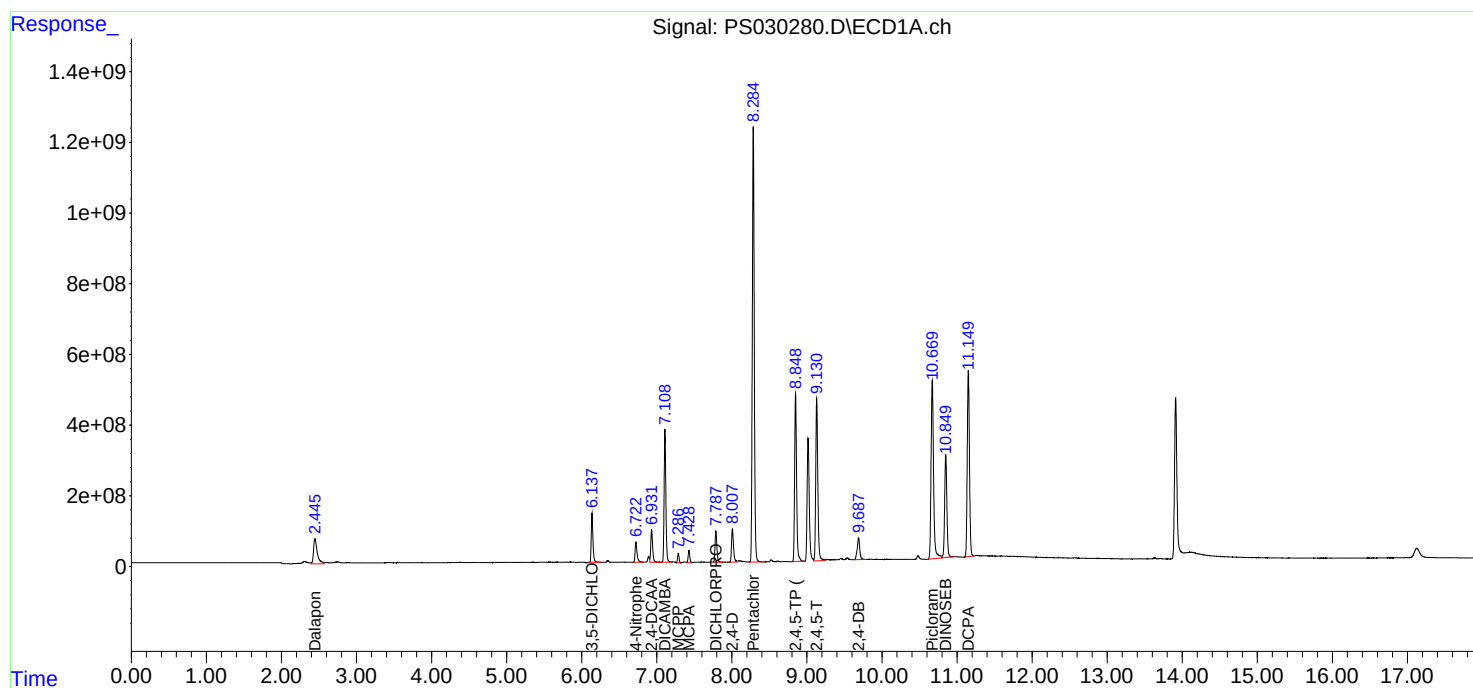
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

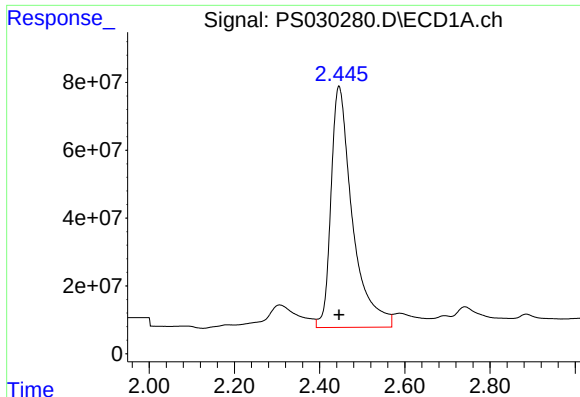
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030280.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 18:13
Operator : AR\AJ
Sample : PB167996BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167996BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 05:42:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

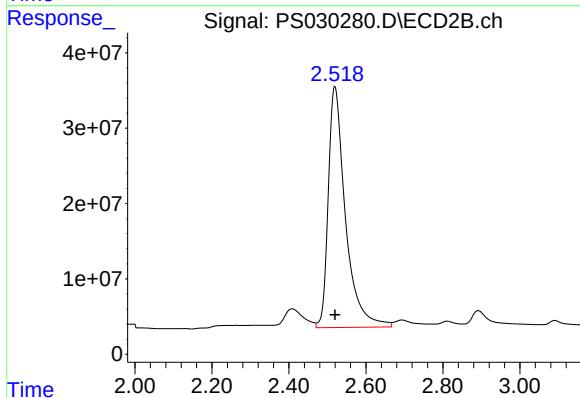




#1 Dalapon

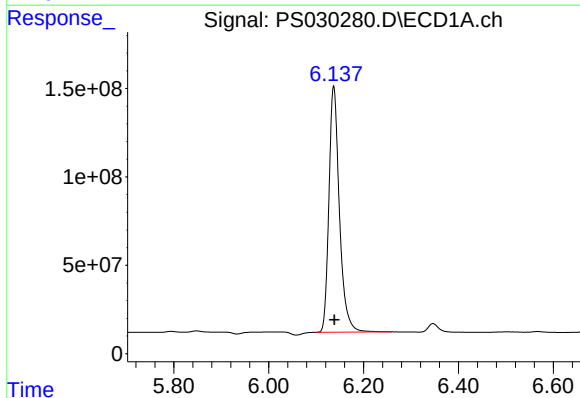
R.T.: 2.445 min
Delta R.T.: 0.000 min
Response: 2484144721
Conc: 505.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS



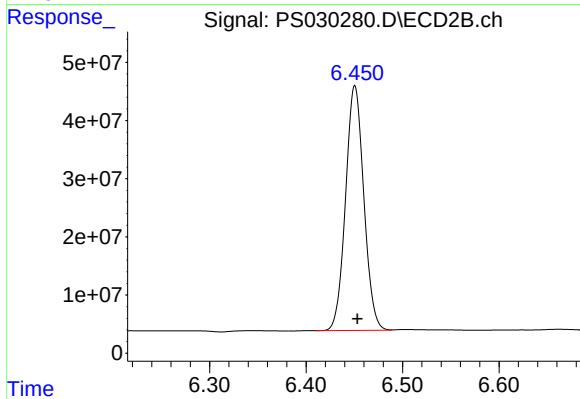
#1 Dalapon

R.T.: 2.519 min
Delta R.T.: -0.001 min
Response: 993044658
Conc: 488.93 ng/ml



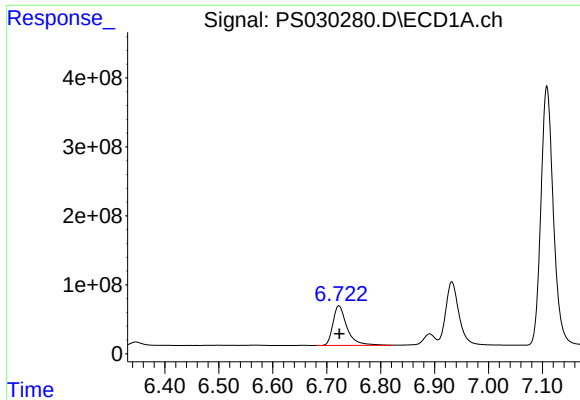
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.137 min
Delta R.T.: -0.002 min
Response: 2135803451
Conc: 512.12 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

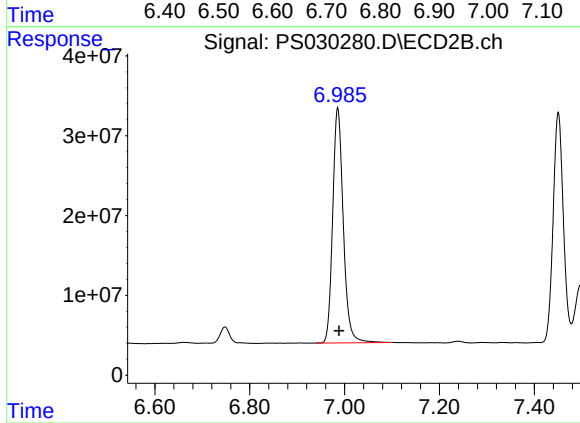
R.T.: 6.451 min
Delta R.T.: -0.003 min
Response: 554933055
Conc: 476.00 ng/ml



#3 4-Nitrophenol

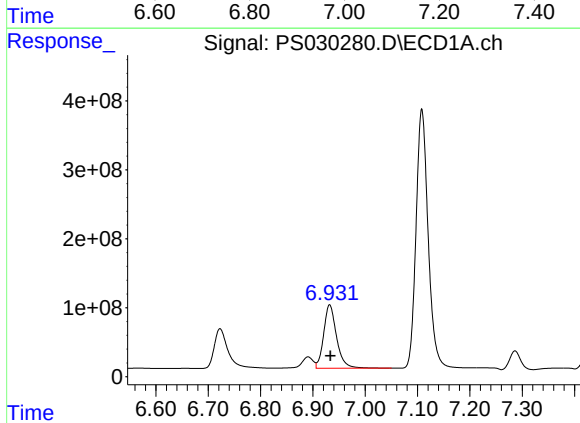
R.T.: 6.723 min
Delta R.T.: -0.001 min
Response: 1043605672
Conc: 505.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS



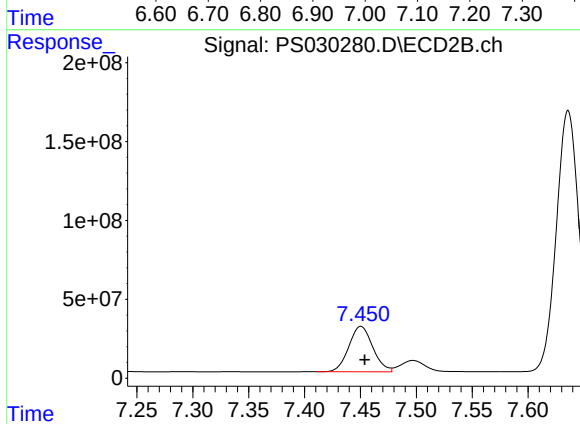
#3 4-Nitrophenol

R.T.: 6.986 min
Delta R.T.: -0.003 min
Response: 456084718
Conc: 436.85 ng/ml



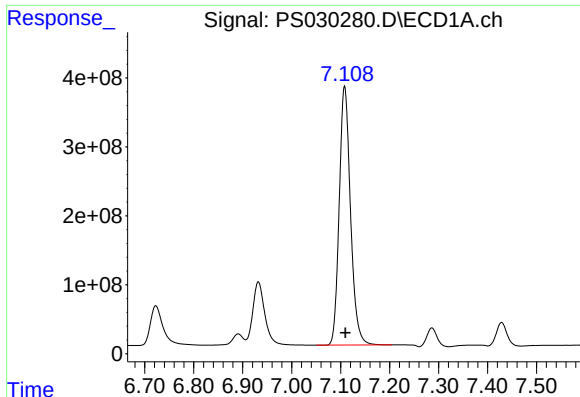
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.002 min
Response: 1576641973
Conc: 553.63 ng/ml



#4 2,4-DCAA

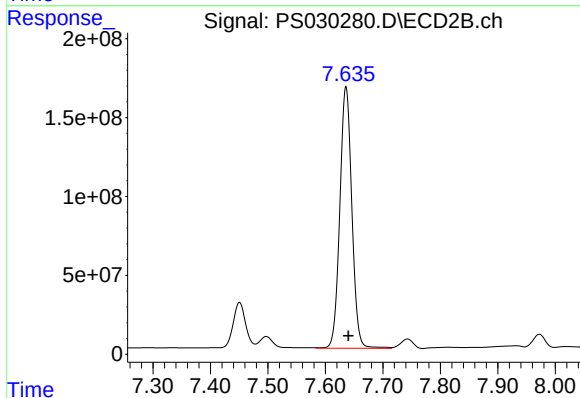
R.T.: 7.450 min
Delta R.T.: -0.003 min
Response: 431685634
Conc: 539.47 ng/ml



#5 DICAMBA

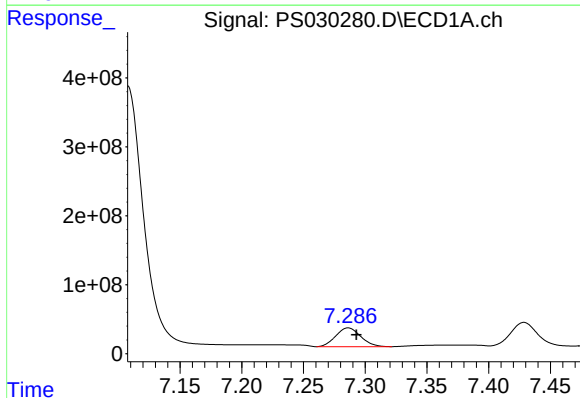
R.T.: 7.108 min
Delta R.T.: -0.002 min
Response: 6004533033
Conc: 519.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS



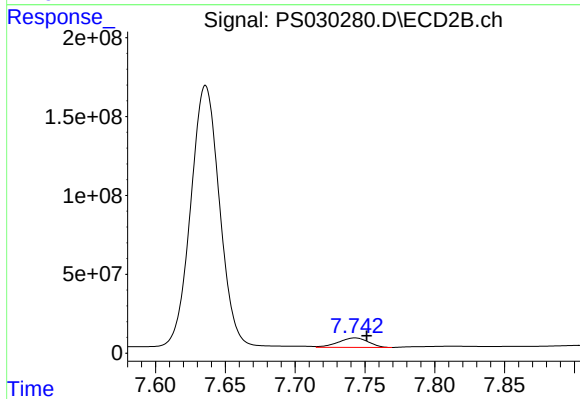
#5 DICAMBA

R.T.: 7.636 min
Delta R.T.: -0.004 min
Response: 2404097316
Conc: 508.48 ng/ml



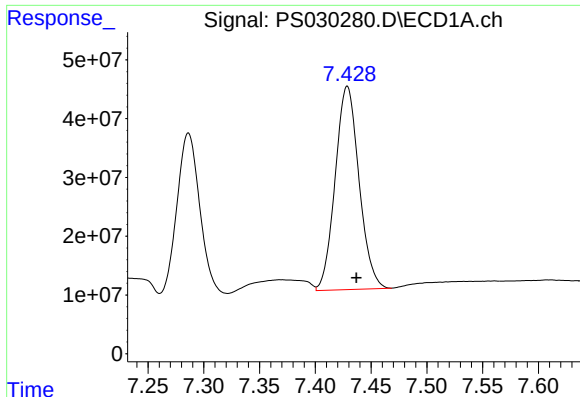
#6 MCPP

R.T.: 7.286 min
Delta R.T.: -0.007 min
Response: 382343106
Conc: 52.50 ug/ml



#6 MCPP

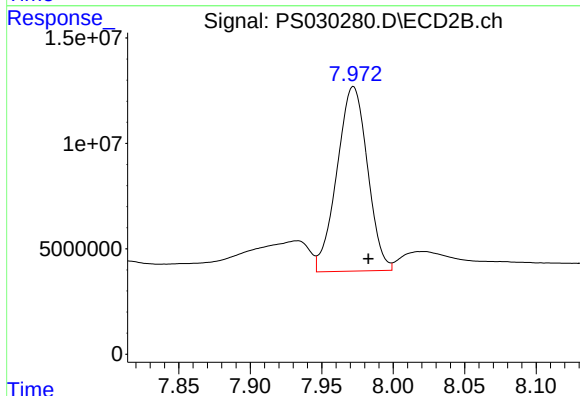
R.T.: 7.743 min
Delta R.T.: -0.009 min
Response: 90072432
Conc: 48.96 ug/ml



#7 MCPA

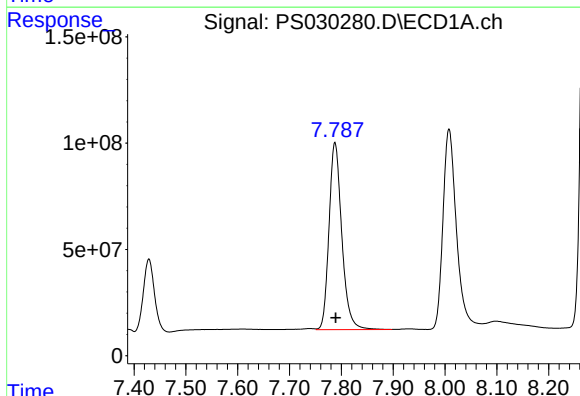
R.T.: 7.429 min
Delta R.T.: -0.008 min
Response: 514459729
Conc: 49.56 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS



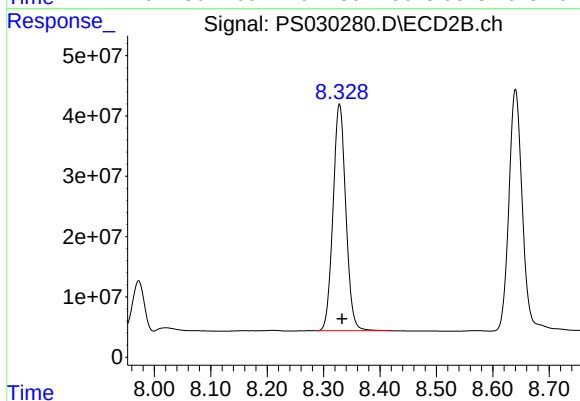
#7 MCPA

R.T.: 7.972 min
Delta R.T.: -0.011 min
Response: 130166566
Conc: 49.35 ug/ml



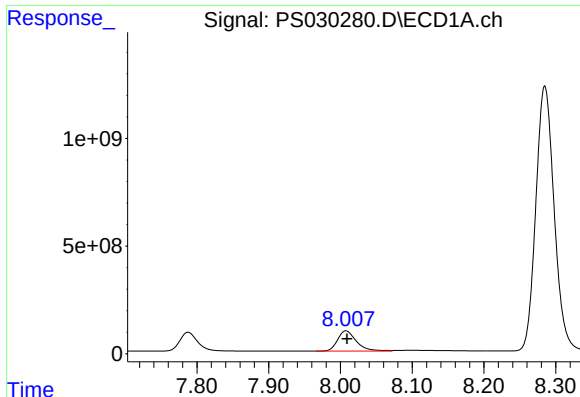
#8 DICHLORPROP

R.T.: 7.788 min
Delta R.T.: -0.002 min
Response: 1509532114
Conc: 516.73 ng/ml



#8 DICHLORPROP

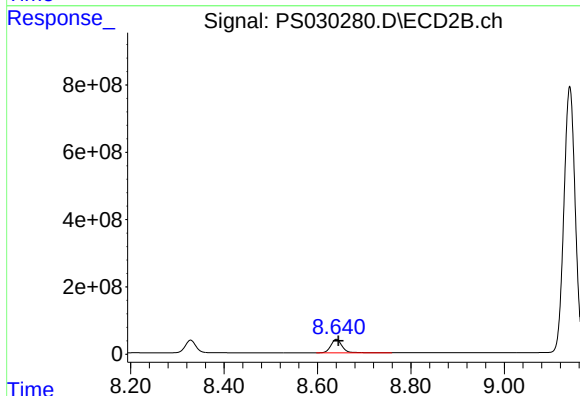
R.T.: 8.328 min
Delta R.T.: -0.005 min
Response: 592809732
Conc: 501.77 ng/ml



#9 2,4-D

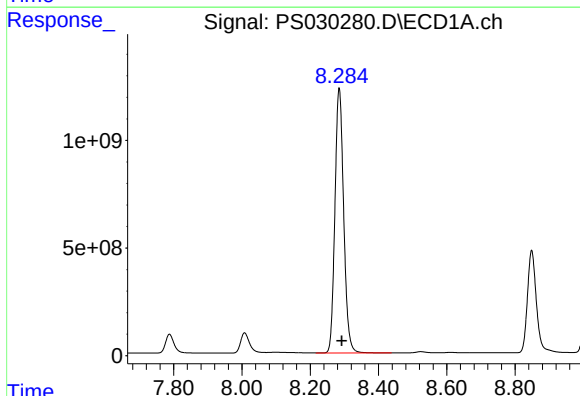
R.T.: 8.008 min
Delta R.T.: -0.002 min
Response: 1713919790
Conc: 522.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS



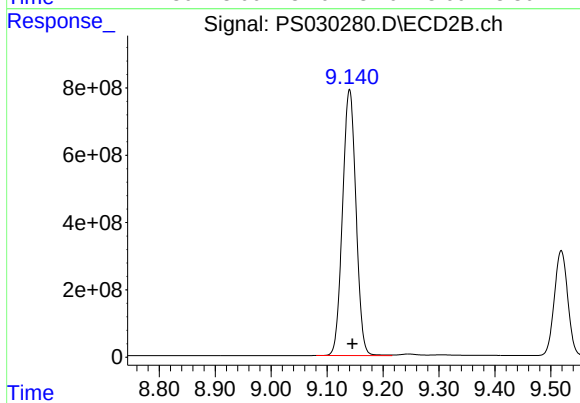
#9 2,4-D

R.T.: 8.640 min
Delta R.T.: -0.005 min
Response: 665814512
Conc: 515.94 ng/ml



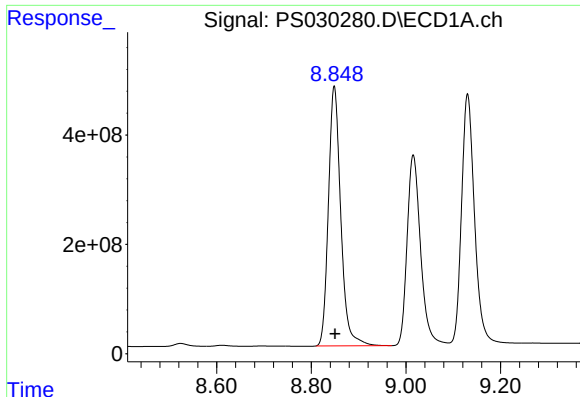
#10 Pentachlorophenol

R.T.: 8.285 min
Delta R.T.: -0.008 min
Response: 21866443953
Conc: 539.90 ng/ml



#10 Pentachlorophenol

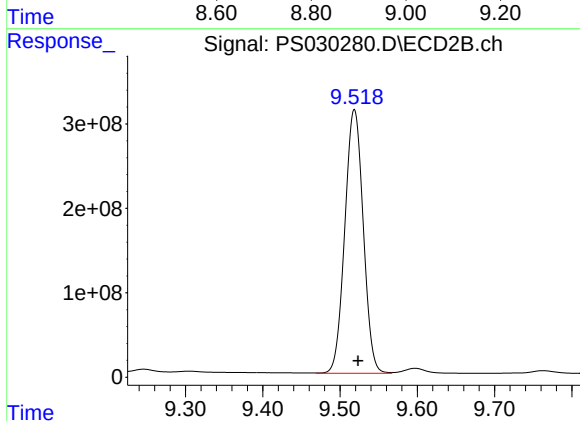
R.T.: 9.140 min
Delta R.T.: -0.005 min
Response: 13204843379
Conc: 534.93 ng/ml



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

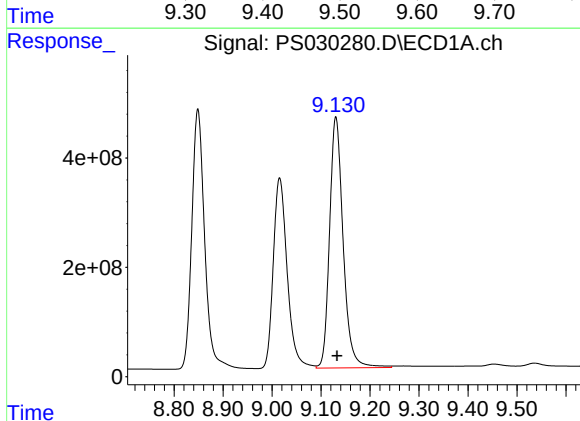
R.T.: 8.849 min
Delta R.T.: -0.002 min
Response: 8605877090
Conc: 531.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS



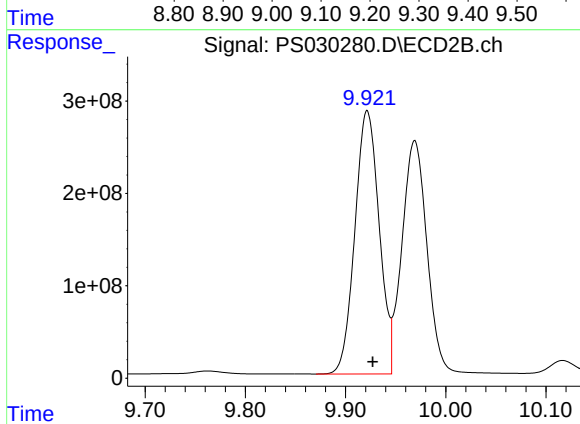
#11 2,4,5-TP (SILVEX)

R.T.: 9.519 min
Delta R.T.: -0.005 min
Response: 5170374418
Conc: 524.89 ng/ml



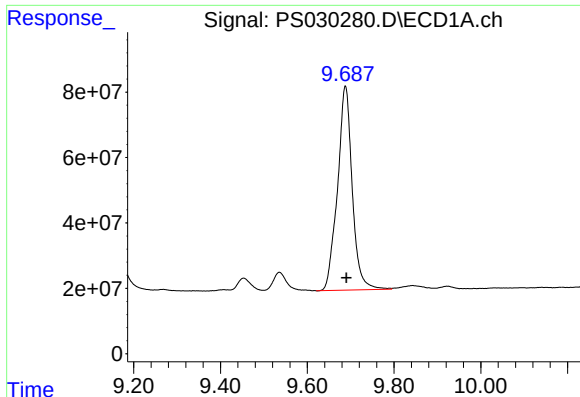
#12 2,4,5-T

R.T.: 9.130 min
Delta R.T.: -0.003 min
Response: 8831447065
Conc: 534.75 ng/ml



#12 2,4,5-T

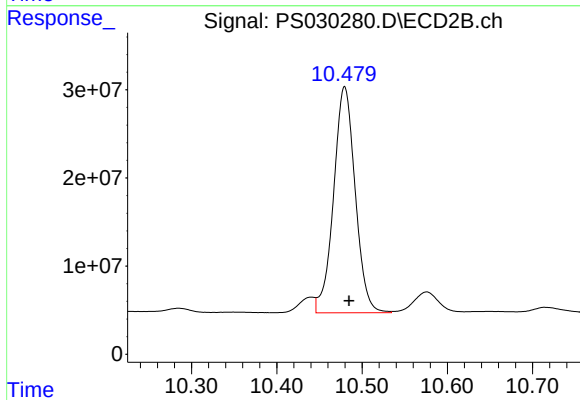
R.T.: 9.922 min
Delta R.T.: -0.005 min
Response: 4796160061
Conc: 521.12 ng/ml



#13 2,4-DB

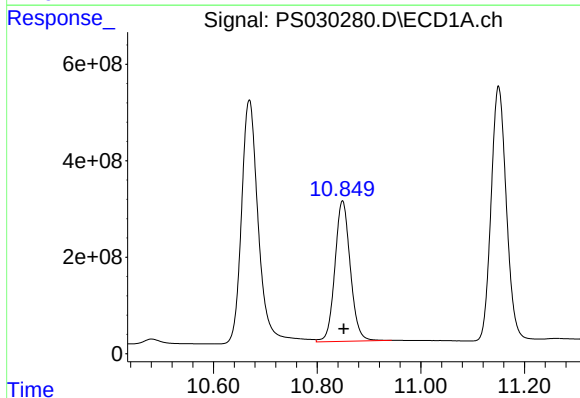
R.T.: 9.688 min
Delta R.T.: -0.002 min
Response: 1472452294
Conc: 564.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS



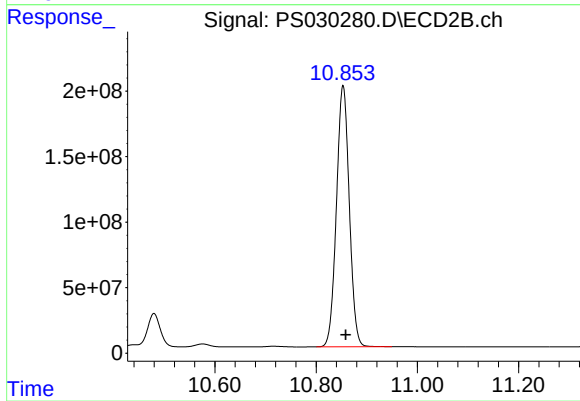
#13 2,4-DB

R.T.: 10.480 min
Delta R.T.: -0.005 min
Response: 452053960
Conc: 455.53 ng/ml



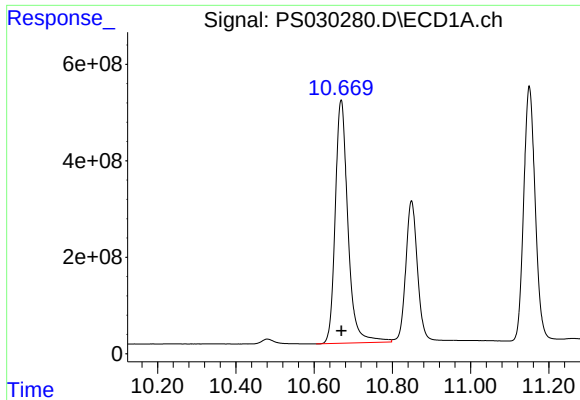
#14 DINOSEB

R.T.: 10.849 min
Delta R.T.: -0.003 min
Response: 5993482828
Conc: 524.07 ng/ml



#14 DINOSEB

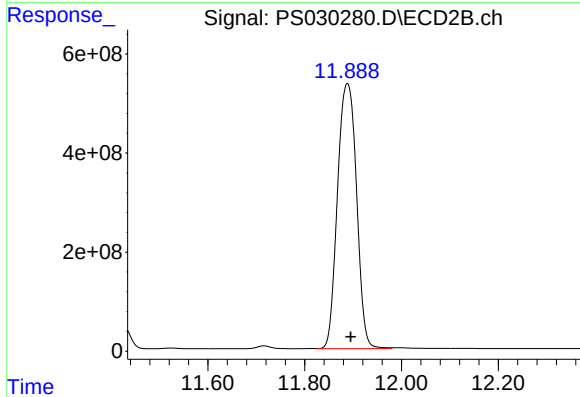
R.T.: 10.853 min
Delta R.T.: -0.006 min
Response: 3504760576
Conc: 512.99 ng/ml



#15 Picloram

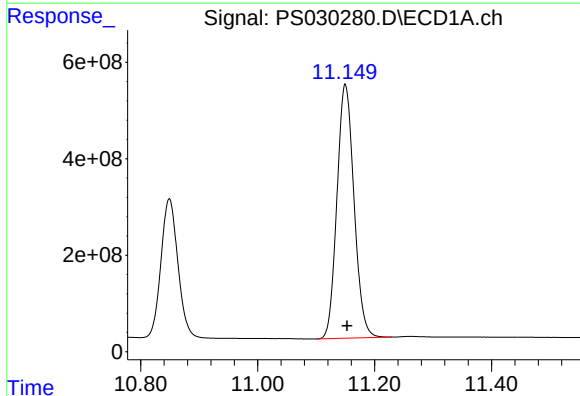
R.T.: 10.669 min
Delta R.T.: 0.000 min
Response: 11372744898
Conc: 531.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167996BS



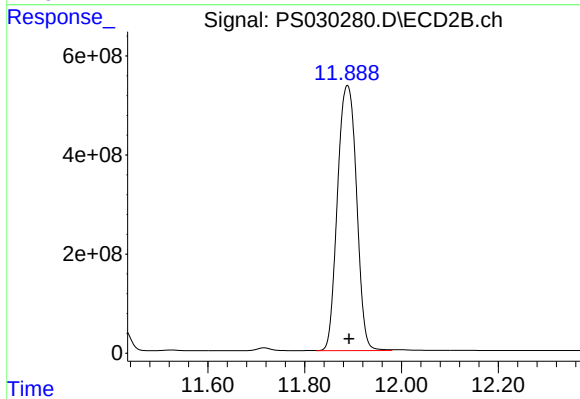
#15 Picloram

R.T.: 11.888 min
Delta R.T.: -0.007 min
Response: 14635999125
Conc: 1040.00 ng/ml



#16 DCPA

R.T.: 11.150 min
Delta R.T.: -0.003 min
Response: 10672972191
Conc: 536.02 ng/ml



#16 DCPA

R.T.: 11.888 min
Delta R.T.: -0.004 min
Response: 14635999125
Conc: 1083.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
 Data File : PS030288.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 21:26
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 20 02:09:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
4) S	2,4-DCAA	6.931	7.450	2110.1E6	591.5E6	740.954	739.158
Target Compounds							
1) T	Dalapon	2.445	2.519	3314.6E6	1361.4E6	674.345	670.306
2) T	3,5-DICHL...	6.136	6.450	2903.4E6	763.9E6	696.174	655.208
3) T	4-Nitroph...	6.721	6.985	1448.8E6	638.2E6	701.390	611.297
5) T	DICAMBA	7.107	7.635	8136.6E6	3392.3E6	704.017	717.499
6) T	MCPD	7.286	7.743	552.5E6	127.4E6	75.867	69.225
7) T	MCPA	7.429	7.973	733.1E6	174.6E6	70.623	66.184
8) T	DICHLORPROP	7.787	8.327	2045.4E6	839.6E6	700.142	710.678
9) T	2,4-D	8.006	8.639	2307.8E6	914.9E6	703.833	708.971
10) T	Pentachlo...	8.284	9.139	29413.1E6	18173.5E6	726.235	736.216
11) T	2,4,5-TP ...	8.848	9.517	11622.2E6	7188.3E6	717.600	729.748
12) T	2,4,5-T	9.128	9.920	11905.9E6	6667.9E6	720.905	724.483
13) T	2,4-DB	9.687	10.478	2028.3E6	620.3E6	777.177	625.061
14) T	DINOSEB	10.847	10.852	8066.4E6	4874.3E6	705.328	713.456
15) T	Picloram	10.667	11.886	15583.6E6	20630.3E6	728.648	1465.934 #
16) T	DCPA	11.149	11.886	14311.1E6	20630.3E6	718.737	1526.978 #

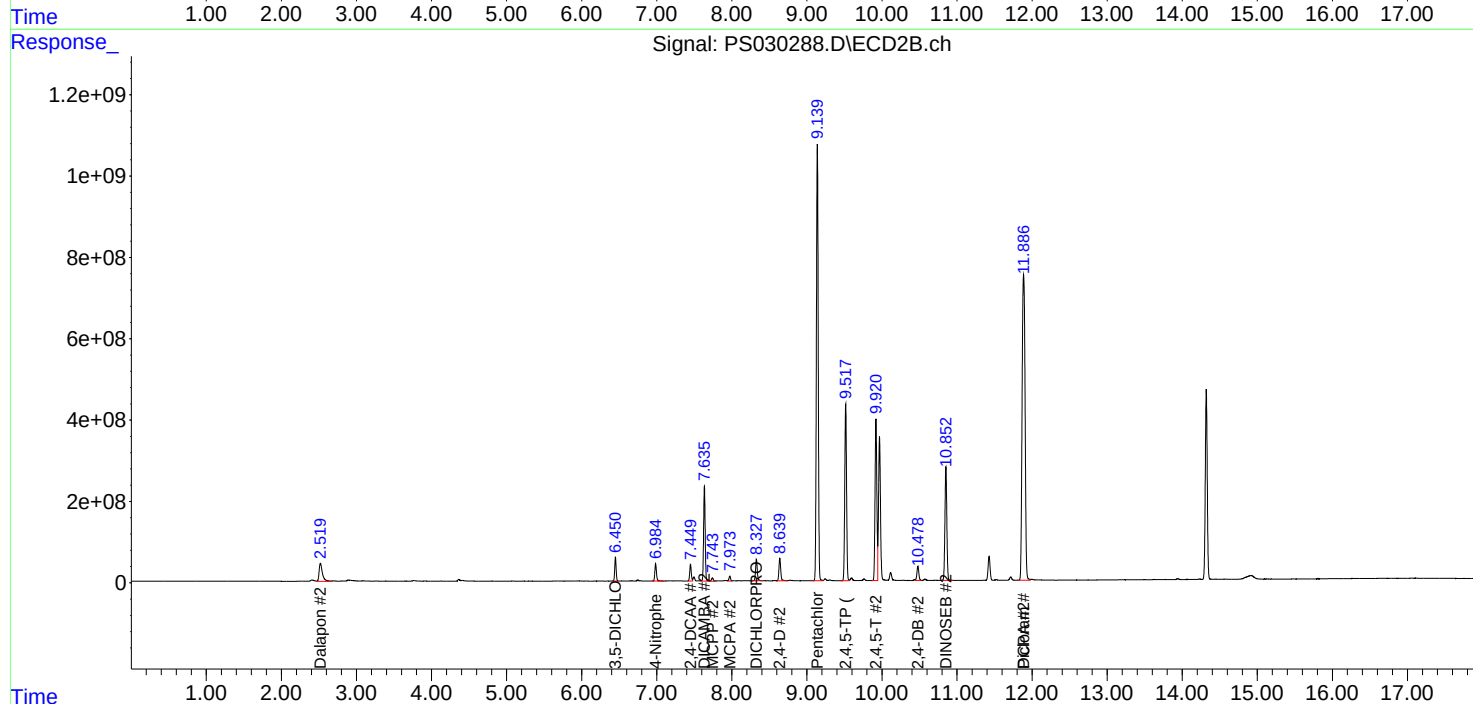
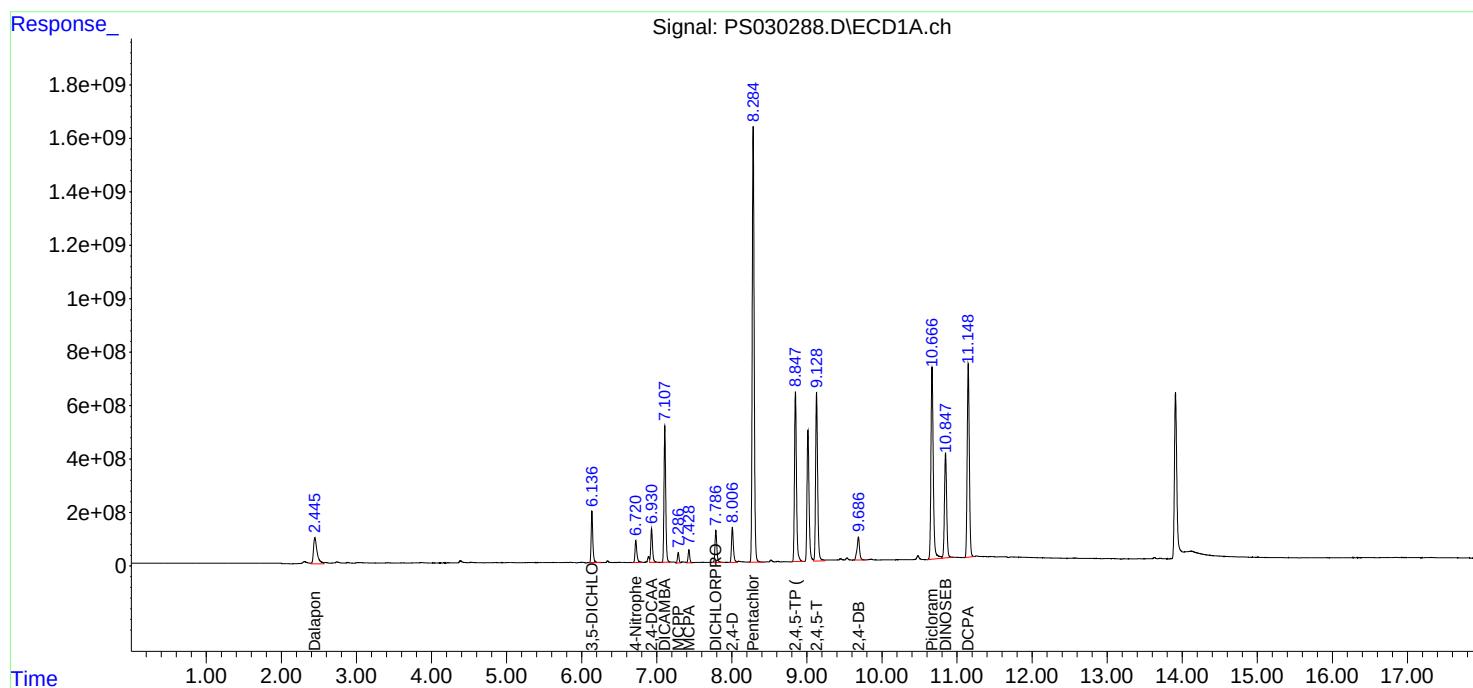
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

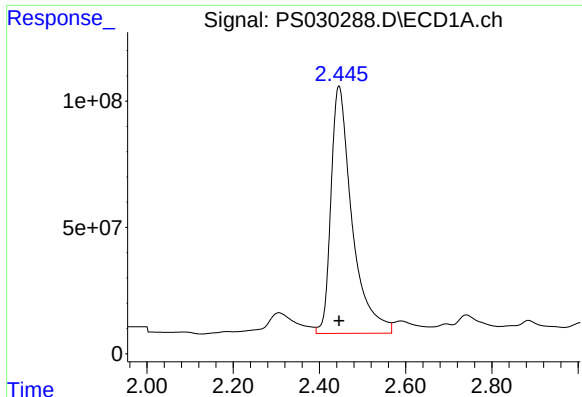
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051925\
Data File : PS030288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 21:26
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 20 02:09:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

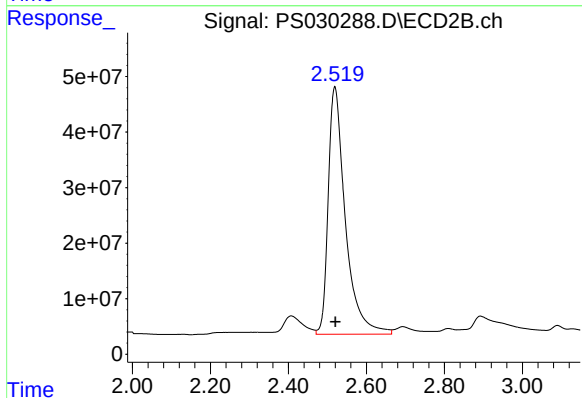




#1 Dalapon

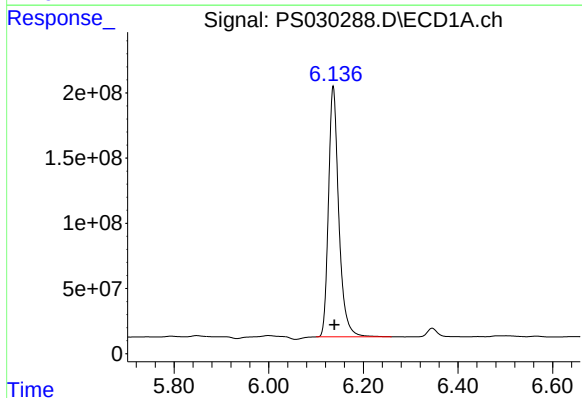
R.T.: 2.445 min
Delta R.T.: 0.000 min
Response: 3314646517
Conc: 674.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



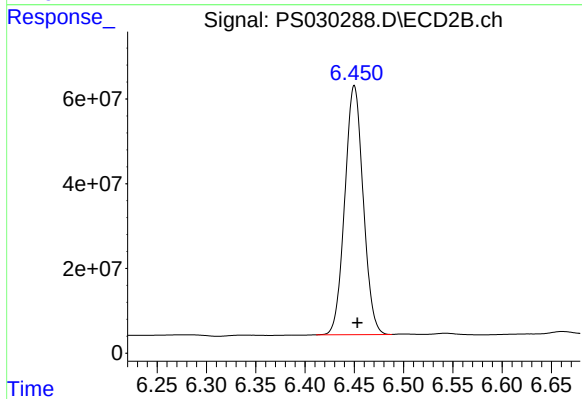
#1 Dalapon

R.T.: 2.519 min
Delta R.T.: -0.001 min
Response: 1361424620
Conc: 670.31 ng/ml



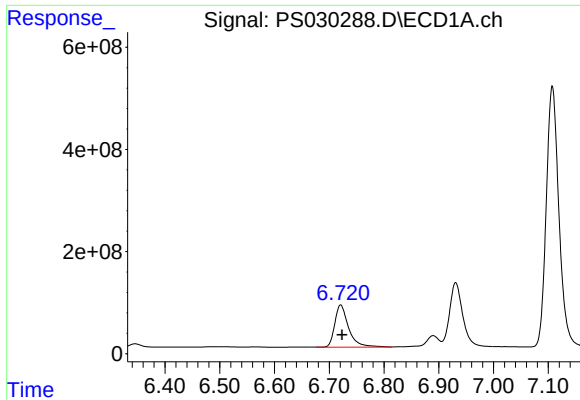
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.136 min
Delta R.T.: -0.002 min
Response: 2903429886
Conc: 696.17 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

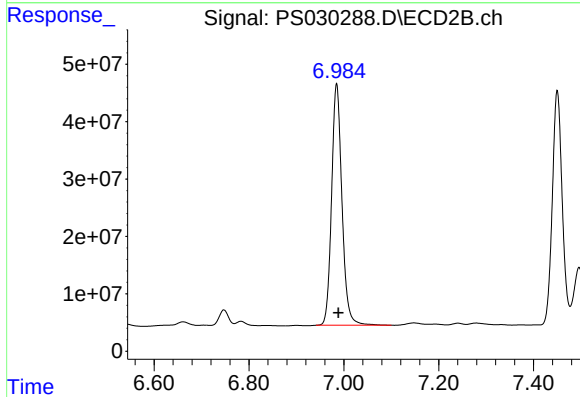
R.T.: 6.450 min
Delta R.T.: -0.003 min
Response: 763860646
Conc: 655.21 ng/ml



#3 4-Nitrophenol

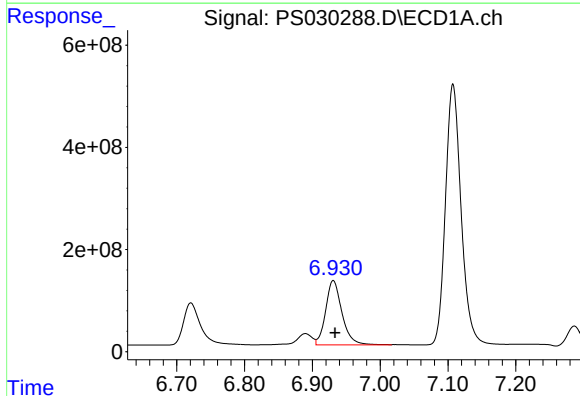
R.T.: 6.721 min
Delta R.T.: -0.003 min
Response: 1448800353
Conc: 701.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



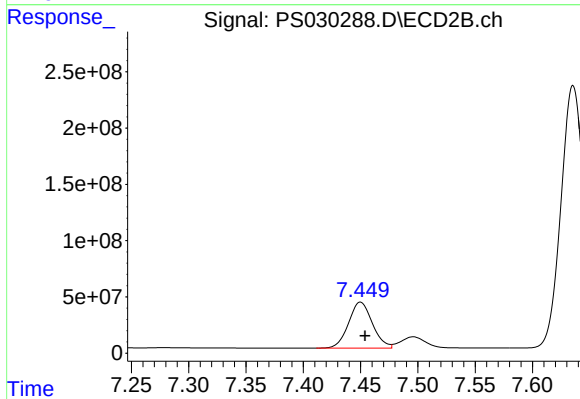
#3 4-Nitrophenol

R.T.: 6.985 min
Delta R.T.: -0.004 min
Response: 638214025
Conc: 611.30 ng/ml



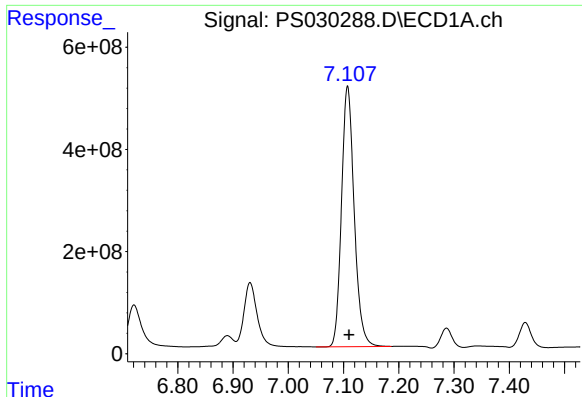
#4 2,4-DCAA

R.T.: 6.931 min
Delta R.T.: -0.003 min
Response: 2110095143
Conc: 740.95 ng/ml



#4 2,4-DCAA

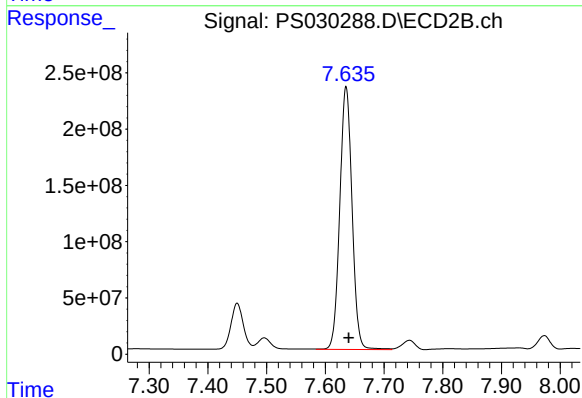
R.T.: 7.450 min
Delta R.T.: -0.004 min
Response: 591476869
Conc: 739.16 ng/ml



#5 DICAMBA

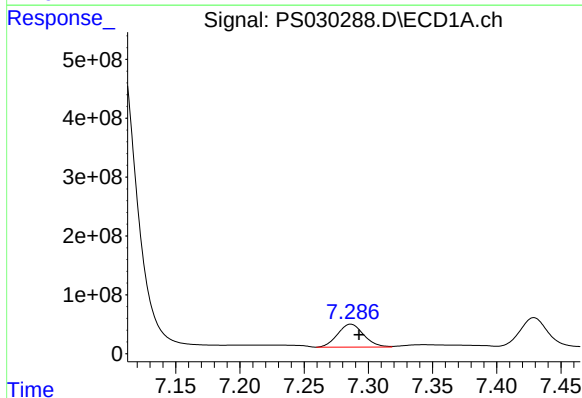
R.T.: 7.107 min
Delta R.T.: -0.003 min
Response: 8136574636
Conc: 704.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



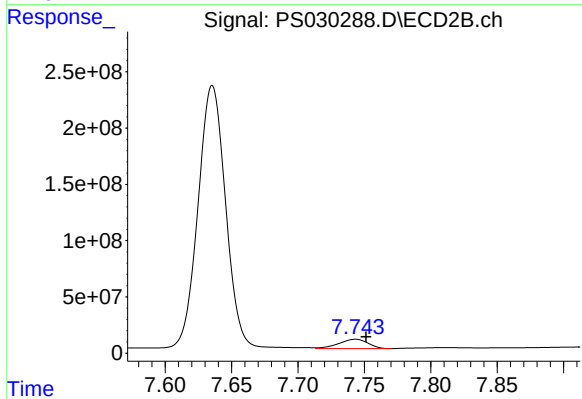
#5 DICAMBA

R.T.: 7.635 min
Delta R.T.: -0.004 min
Response: 3392317262
Conc: 717.50 ng/ml



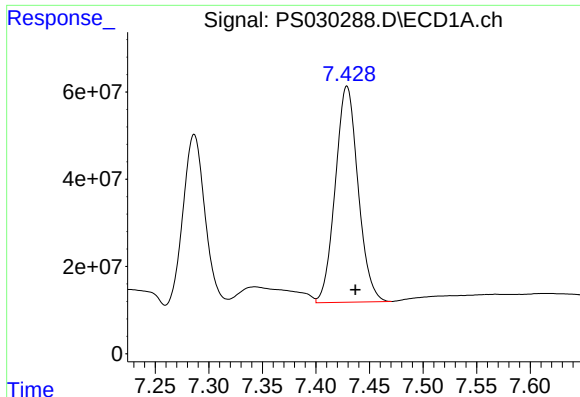
#6 MCP

R.T.: 7.286 min
Delta R.T.: -0.006 min
Response: 552518262
Conc: 75.87 ug/ml



#6 MCP

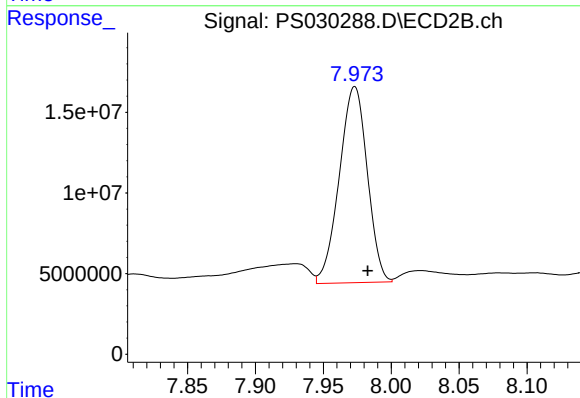
R.T.: 7.743 min
Delta R.T.: -0.008 min
Response: 127358060
Conc: 69.23 ug/ml



#7 MCPA

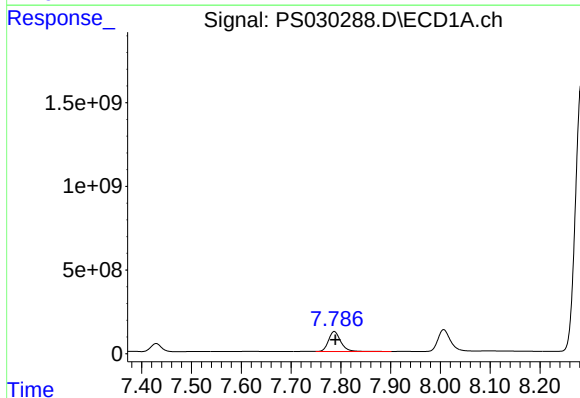
R.T.: 7.429 min
Delta R.T.: -0.008 min
Response: 733129512
Conc: 70.62 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



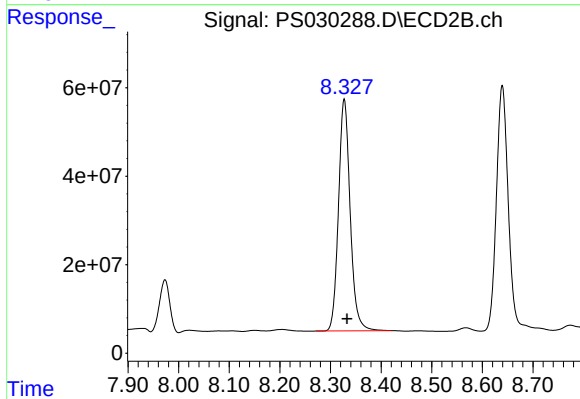
#7 MCPA

R.T.: 7.973 min
Delta R.T.: -0.009 min
Response: 174573280
Conc: 66.18 ug/ml



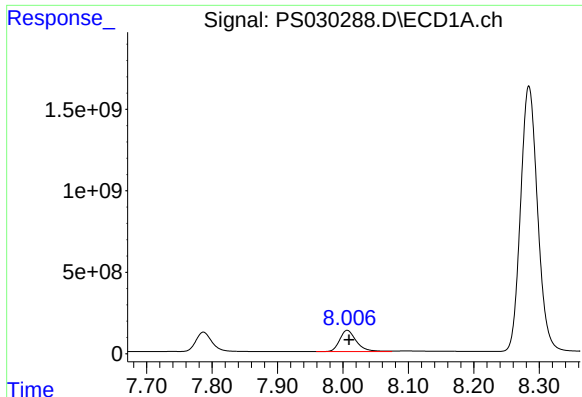
#8 DICHLORPROP

R.T.: 7.787 min
Delta R.T.: -0.003 min
Response: 2045355352
Conc: 700.14 ng/ml



#8 DICHLORPROP

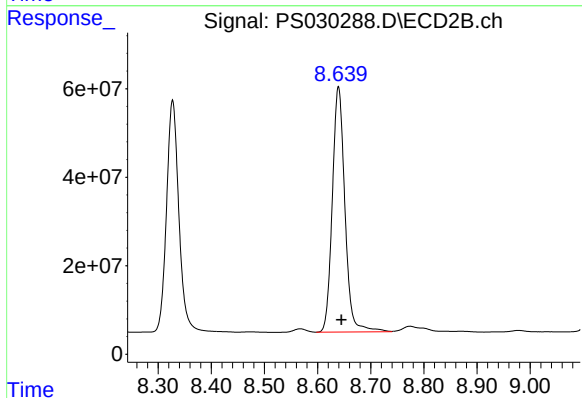
R.T.: 8.327 min
Delta R.T.: -0.006 min
Response: 839619093
Conc: 710.68 ng/ml



#9 2,4-D

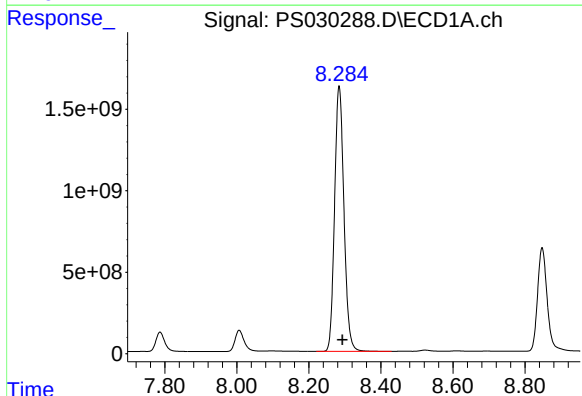
R.T.: 8.006 min
Delta R.T.: -0.003 min
Response: 2307822240
Conc: 703.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



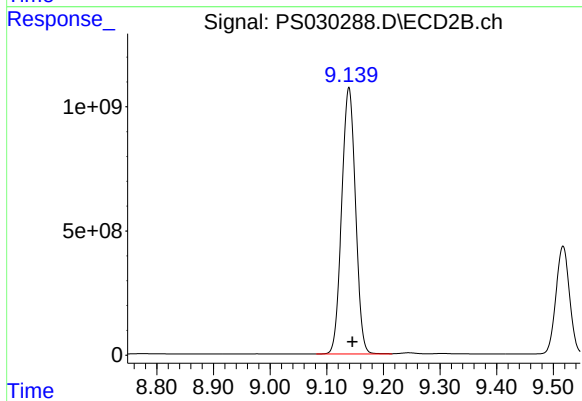
#9 2,4-D

R.T.: 8.639 min
Delta R.T.: -0.006 min
Response: 914927239
Conc: 708.97 ng/ml



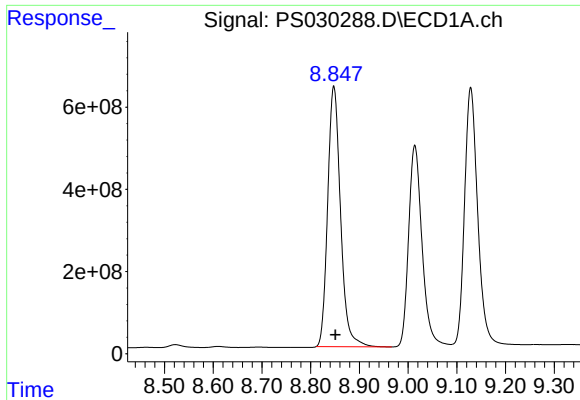
#10 Pentachlorophenol

R.T.: 8.284 min
Delta R.T.: -0.009 min
Response: 29413091799
Conc: 726.24 ng/ml



#10 Pentachlorophenol

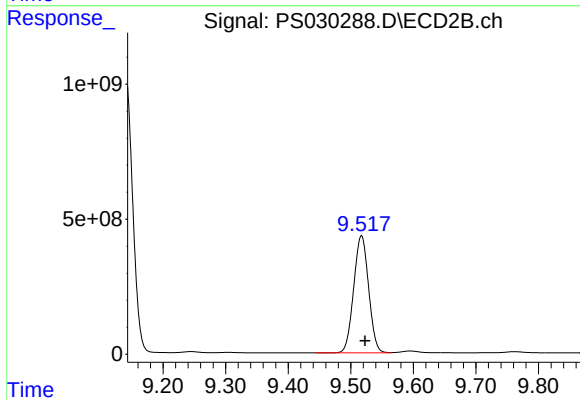
R.T.: 9.139 min
Delta R.T.: -0.006 min
Response: 18173472632
Conc: 736.22 ng/ml



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

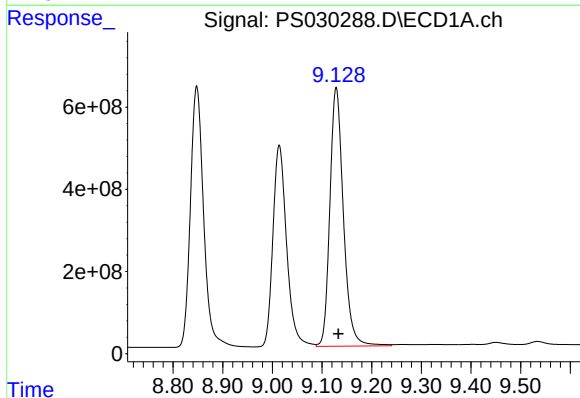
R.T.: 8.848 min
Delta R.T.: -0.003 min
Response: 11622246264
Conc: 717.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



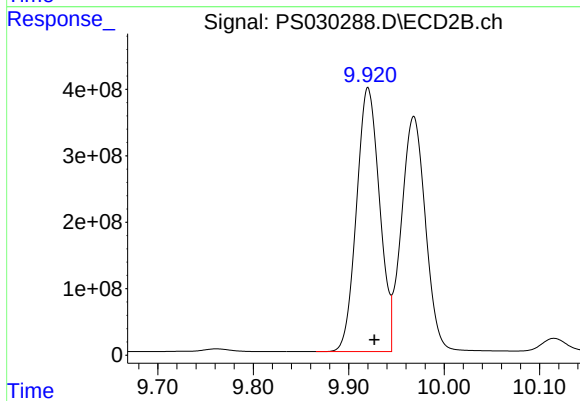
#11 2,4,5-TP (SILVEX)

R.T.: 9.517 min
Delta R.T.: -0.006 min
Response: 7188329777
Conc: 729.75 ng/ml



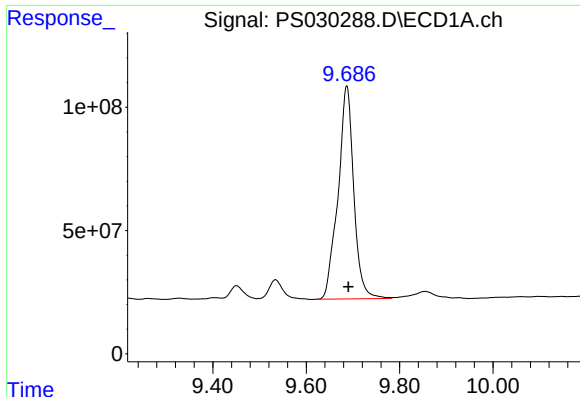
#12 2,4,5-T

R.T.: 9.128 min
Delta R.T.: -0.004 min
Response: 11905891844
Conc: 720.91 ng/ml



#12 2,4,5-T

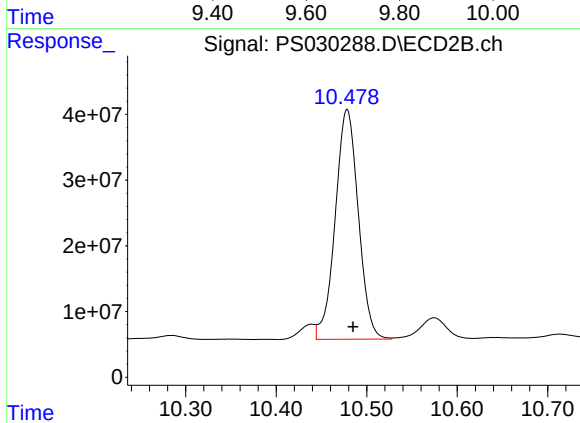
R.T.: 9.920 min
Delta R.T.: -0.007 min
Response: 6667861294
Conc: 724.48 ng/ml



#13 2,4-DB

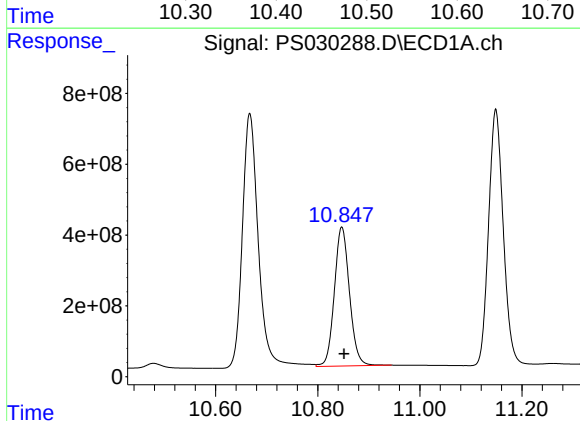
R.T.: 9.687 min
Delta R.T.: -0.003 min
Response: 2028256890
Conc: 777.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



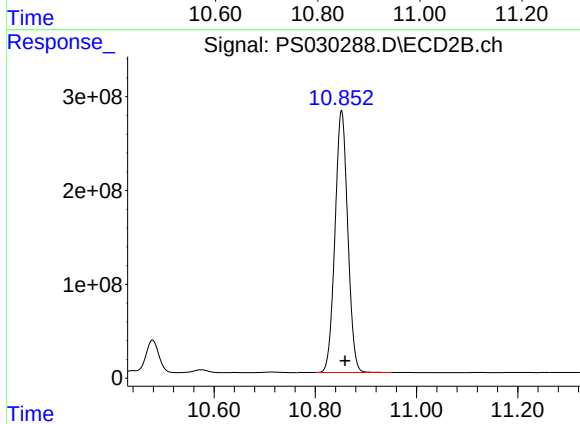
#13 2,4-DB

R.T.: 10.478 min
Delta R.T.: -0.007 min
Response: 620293374
Conc: 625.06 ng/ml



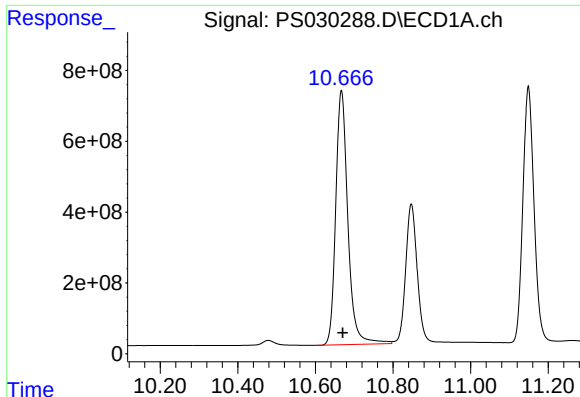
#14 DINOSEB

R.T.: 10.847 min
Delta R.T.: -0.004 min
Response: 8066383823
Conc: 705.33 ng/ml



#14 DINOSEB

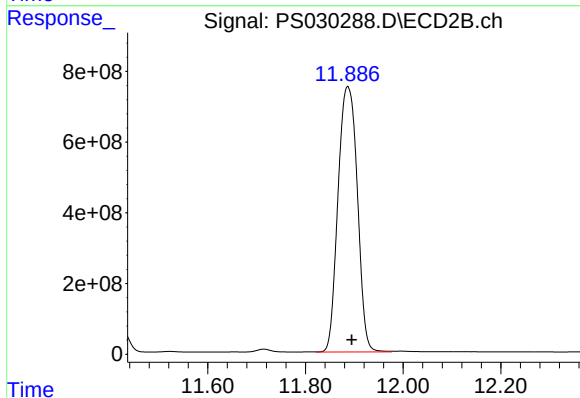
R.T.: 10.852 min
Delta R.T.: -0.007 min
Response: 4874315320
Conc: 713.46 ng/ml



#15 Picloram

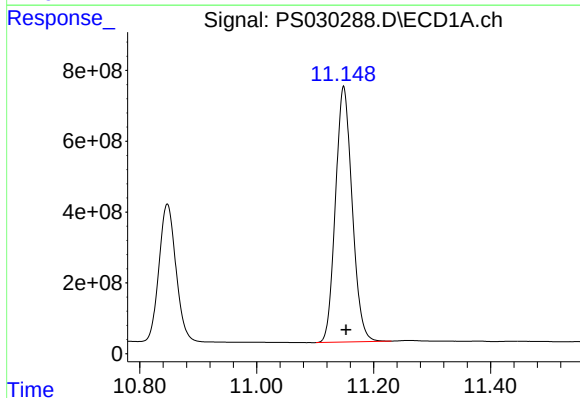
R.T.: 10.667 min
Delta R.T.: -0.003 min
Response: 15583585126
Conc: 728.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



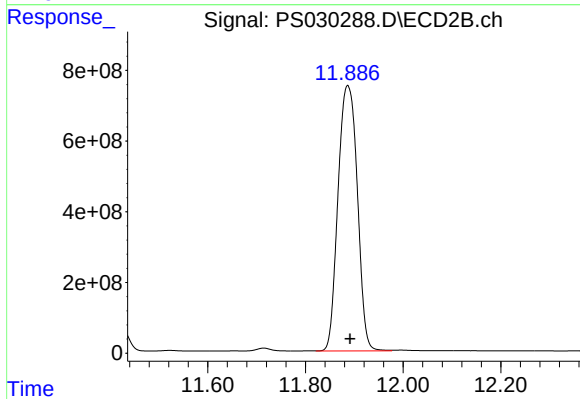
#15 Picloram

R.T.: 11.886 min
Delta R.T.: -0.009 min
Response: 20630259444
Conc: 1465.93 ng/ml



#16 DCPA

R.T.: 11.149 min
Delta R.T.: -0.004 min
Response: 14311132415
Conc: 718.74 ng/ml



#16 DCPA

R.T.: 11.886 min
Delta R.T.: -0.005 min
Response: 20630259444
Conc: 1526.98 ng/ml