

Cover Page

Order ID : Q1502

Project ID : NJ Waste Water PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number

Q1502-01
Q1502-02
Q1502-03
Q1502-04
Q1502-05
Q1502-06
Q1502-07
Q1502-08
Q1502-09
Q1502-10
Q1502-11
Q1502-12
Q1502-13
Q1502-14
Q1502-15
Q1502-16
Q1502-17
Q1502-18
Q1502-19
Q1502-20
Q1502-21
Q1502-22

Client Sample Number

PT-VOA-WP
PT-VOA-WP
PT-BN-WP
PT-BN-WP
PT-BN-WP
PT-ACIDS-WP
PT-ACIDS-WP
PT-ACIDS-WP
PT-PEST-WP
PT-PEST-WP
PT-CHLR-WP
PT-CHLR-WP
PT-TXP-WP
PT-TXP-WP
PT-PCBW-WP
PT-PCBW-WP
PT-HERB-WP
RR-GAS-WP
RR-DIES-WP
RR-8011-WP
RR-PAH-WP
RR-TRIAZINE-WP

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

Signature : _____

Date: 4/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Waste Water PT

Project # N/A

Chemtech Project # Q1502

Test Name: Herbicide group1

A. Number of Samples and Date of Receipt:

21 Water samples were received on 03/05/2025.

1 Water sample was received on 03/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide group1, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, SVOCMS Group6, VOCGC Group 1 and VOCMS Group1. This data package contains results for Herbicide group1.

C. Analytical Techniques:

The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 μ m df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 μ m df, Catalog #: 11324. The analysis of Herbicide group1s was based on method 8151A and extraction was done based on method 3510.

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 RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The % RSD is greater than 20% in the Initial Calibration (PS032025.M) for Pentachlorophenol in 1st column, only QC sample run under this Initial Calibration.

The Continuous Calibration met the requirements .



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E. Additional Comments:

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_____

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1502

MATRIX: Water

METHOD: 8151A/3510

	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 % RSD is greater than 20% in the Initial Calibration (PS032025.M) for Pentachlorophenol in 1st column, only QC sample run under this Initial Calibration. 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 Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples . The RPD met criteria .			✓
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓	



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
9. Analysis Holding Time Met			✓

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The Holding Times were met for all analysis.

ADDITIONAL COMMENTS:

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1502

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: MOHAMMAD AHMED

Date: 04/18/2025

LAB CHRONICLE

OrderID:	Q1502	OrderDate:	3/6/2025 10:04:07 AM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Waste Water PT
Contact:	Mohammad Ahmed	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1502-09	PT-PEST-WP	WATER	PESTICIDE Group1	8081B	03/03/25	03/11/25	03/11/25	03/05/25
Q1502-09DL	PT-PEST-WPDL	WATER	PESTICIDE Group1	8081B	03/03/25	03/11/25	03/12/25	03/05/25
Q1502-09DL 2	PT-PEST-WPDL2	WATER	PESTICIDE Group1	8081B	03/03/25	03/11/25	03/12/25	03/05/25
Q1502-15	PT-PCBW-WP	WATER	PCB	8082A	03/03/25	03/11/25	03/12/25	03/05/25
Q1502-17	PT-HERB-WP	WATER	Herbicide group1	8151A	03/03/25	03/20/25	04/03/25	03/05/25
Q1502-18	RR-GAS-WP	Water	Gasoline Range Organics	8015D	03/03/25		03/11/25	03/05/25
Q1502-19	RR-DIES-WP	Water	Diesel Range Organics	8015D	03/03/25	03/12/25	03/12/25	03/05/25
Q1502-20	RR-8011-WP	WATER	VOCGC Group 1	8011	03/03/25	03/12/25	03/12/25	03/05/25
Q1502-20DL	RR-8011-WPDL	WATER	VOCGC Group 1	8011	03/03/25	03/12/25	03/12/25	03/05/25

Hit Summary Sheet
SW-846

SDG No.: Q1502

Order ID: Q1502

Client: Alliance Technical Group, LLC - Newark

Project ID: NJ Waste Water PT

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-HERB-WP							
Q1502-17	PT-HERB-WP	WATER DICAMBA	5.90		0.65	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER DALAPON	5.90		0.98	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER DICHLORPROP	2.20		0.76	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER 2,4-D	6.70		0.92	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER 2,4,5-TP (Silvex)	5.80		0.78	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER 2,4,5-T	6.80		0.71	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER 2,4-DB	6.00		0.65	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER DINOSEB	2.70		0.89	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER Pentachlorophenol	6.90		0.70	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER 4-Nitrophenol	3.10		0.83	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER PICLORAM	4.40	P	0.63	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER DCPA	6.10		0.82	2.00	ug/L
Q1502-17	PT-HERB-WP	WATER 3,5-DICHLOROBENZOIC AC	6.90		0.70	2.00	ug/L
Total Concentration:			69.400				



QC SUMMARY

Surrogate Summary

SDG No.: Q1502

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS029470.D	PIBLK-PS029470.D	2,4-DCAA	1	500	506	101		39	175
		2,4-DCAA	2	500	499	100		39	175
I.BLK-PS029477.D	PIBLK-PS029477.D	2,4-DCAA	1	500	527	105		39	175
		2,4-DCAA	2	500	505	101		39	175
PB167229BL	PB167229BL	2,4-DCAA	1	500	502	100		39	175
		2,4-DCAA	2	500	482	96		39	175
PB167229BS	PB167229BS	2,4-DCAA	1	500	548	110		39	175
		2,4-DCAA	2	500	518	104		39	175
PB167229BSD	PB167229BSD	2,4-DCAA	1	500	542	108		39	175
		2,4-DCAA	2	500	512	102		39	175
I.BLK-PS029485.D	PIBLK-PS029485.D	2,4-DCAA	1	500	507	101		39	175
		2,4-DCAA	2	500	528	106		39	175
I.BLK-PS029656.D	PIBLK-PS029656.D	2,4-DCAA	1	500	476	95		39	175
		2,4-DCAA	2	500	485	97		39	175
I.BLK-PS029665.D	PIBLK-PS029665.D	2,4-DCAA	1	500	531	106		39	175
		2,4-DCAA	2	500	518	104		39	175
Q1502-17	PT-HERB-WP	2,4-DCAA	1	500	495	99		39	175
		2,4-DCAA	2	500	454	91		39	175
I.BLK-PS029672.D	PIBLK-PS029672.D	2,4-DCAA	1	500	497	99		39	175
		2,4-DCAA	2	500	483	97		39	175

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1502

Client: Alliance Technical Group, LLC - Newar

Analytical Method: 8151A Datafile : PS029480.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167229BS	DICAMBA	5	5.10	ug/L	102				67	136	
	MCPD	0.5	0.48	ug/L	96				70	130	
	Dalapon	5	4.40	ug/L	88				70	130	
	MCPA	0.5	0.47	ug/L	93				70	130	
	DICHLORPROP	5	5.20	ug/L	104				88	119	
	2,4-D	5	5.20	ug/L	104				83	130	
	2,4,5-TP(Silvex)	5	5.20	ug/L	104				78	127	
	2,4,5-T	5	5.30	ug/L	106				74	129	
	2,4-DB	5	5.00	ug/L	100				53	149	
	Dinoseb	5	5.30	ug/L	106				72	131	
	Pentachlorophenol	5	6.20	ug/L	124				70	130	
	4-Nitrophenol	5	4.70	ug/L	94				70	130	
	PICLORAM	5	4.90	ug/L	98				70	130	
	DCPA	5	5.40	ug/L	108				70	130	
	3,5-DICHLOROBENZOIC	5	5.00	ug/L	100				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1502

Client: Alliance Technical Group, LLC - Newar

Analytical Method: 8151A **Datafile :** PS029481.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167229BSD	DICAMBA	5	5.10	ug/L	102	0			67	136	20
	MCP	0.5	0.46	ug/L	92	4			70	130	20
	Dalapon	5	4.40	ug/L	88	0			70	130	20
	MCPA	0.5	0.46	ug/L	92	1			70	130	20
	DICHLORPROP	5	5.10	ug/L	102	2			88	119	20
	2,4-D	5	5.20	ug/L	104	0			83	130	20
	2,4,5-TP(Silvex)	5	5.20	ug/L	104	0			78	127	20
	2,4,5-T	5	5.30	ug/L	106	0			74	129	20
	2,4-DB	5	4.80	ug/L	96	4			53	149	20
	Dinoseb	5	5.30	ug/L	106	0			72	131	20
	Pentachlorophenol	5	6.10	ug/L	122	2			70	130	20
	4-Nitrophenol	5	4.70	ug/L	94	0			70	130	20
	PICLORAM	5	4.90	ug/L	98	0			70	130	20
	DCPA	5	5.30	ug/L	106	2			70	130	20
	3,5-DICHLOROBENZOIC	5	5.00	ug/L	100	0			70	130	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167229BL

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502

SAS No.: Q1502 SDG NO.: Q1502

Lab Sample ID: PB167229BL

Lab File ID: PS029479.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/20/2025

Date Analyzed (1): 03/20/2025

Date Analyzed (2): 03/20/2025

Time Analyzed (1): 16:09

Time Analyzed (2): 16:09

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
PB167229BS	PB167229BS	PS029480.D	03/20/2025	03/20/2025
PB167229BSD	PB167229BSD	PS029481.D	03/20/2025	03/20/2025
PT-HERB-WP	Q1502-17	PS029670.D	04/03/2025	04/03/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/03/25	
Project:	NJ Waste Water PT		Date Received:	03/05/25	
Client Sample ID:	PT-HERB-WP		SDG No.:	Q1502	
Lab Sample ID:	Q1502-17		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029670.D	1	03/20/25 08:30	04/03/25 11:06	PB167229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
93-65-2	MCPP	0.079	U	0.079	0.20	ug/L
1918-00-9	DICAMBA	5.90		0.65	2.00	ug/L
75-99-0	DALAPON	5.90		0.98	2.00	ug/L
94-74-6	MCPA	0.10	U	0.10	0.20	ug/L
120-36-5	DICHLORPROP	2.20		0.76	2.00	ug/L
94-75-7	2,4-D	6.70		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.80		0.78	2.00	ug/L
93-76-5	2,4,5-T	6.80		0.71	2.00	ug/L
94-82-6	2,4-DB	6.00		0.65	2.00	ug/L
88-85-7	DINOSEB	2.70		0.89	2.00	ug/L
87-86-5	Pentachlorophenol	6.90		0.70	2.00	ug/L
100-02-7	4-Nitrophenol	3.10		0.83	2.00	ug/L
1918-02-1	PICLORAM	4.40	P	0.63	2.00	ug/L
1861-32-1	DCPA	6.10		0.82	2.00	ug/L
51-36-5	3,5-DICHLOROBENZOIC AC	6.90		0.70	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	495		39 - 175	99%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/03/25	
Project:	NJ Waste Water PT		Date Received:	03/05/25	
Client Sample ID:	PT-HERB-WP		SDG No.:	Q1502	
Lab Sample ID:	Q1502-17		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029670.D	1	03/20/25 08:30	04/03/25 11:06	PB167229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PS040325\
 Data File : PS029670.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Apr 2025 11:06
 Operator : AR\AJ
 Sample : Q1502-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PT-HERB-WP

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/03/2025
 Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 03 11:47:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 23:52:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	6.961	7.472	1009.0E6	309.6E6	494.905	454.237
Target Compounds							
1) T	Dalapon	2.458	2.527	1858.2E6	935.9E6	547.757	589.538
2) T	3,5-DICHL...	6.163	6.467	2063.0E6	633.9E6	685.885	656.548
3) T	4-Nitroph...	6.752	7.006	429.2E6	204.9E6	305.526	288.961
5) T	DICAMBA	7.138	7.659	4869.9E6	2116.3E6	585.189	573.008
8) T	DICHLORPROP	7.821	8.354	443.6E6	216.5E6	201.702	224.098
9) T	2,4-D	8.042	8.668	1618.7E6	654.9E6	671.763	607.268
10) T	Pentachlo...	8.320	9.170	20972.0E6	11770.5E6	689.756	656.553
11) T	2,4,5-TP ...	8.887	9.549	6720.4E6	3998.6E6	578.581	554.365
12) T	2,4,5-T	9.169	9.954	7818.6E6	4383.1E6	679.620	653.924
13) T	2,4-DB	9.730	10.511	1019.1E6	442.3E6	560.951m	596.160
14) T	DINOSEB	10.894	10.883	2318.4E6	1352.5E6	274.631	264.534
15) T	Picloram	10.713	11.920	6744.9E6	3959.8E6	435.141	334.886m
16) T	DCPA	11.194	11.909	6884.9E6	5380.8E6	492.971	607.954m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 11:06
Operator : AR\AJ
Sample : Q1502-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PT-HERB-WP

Manual Integrations

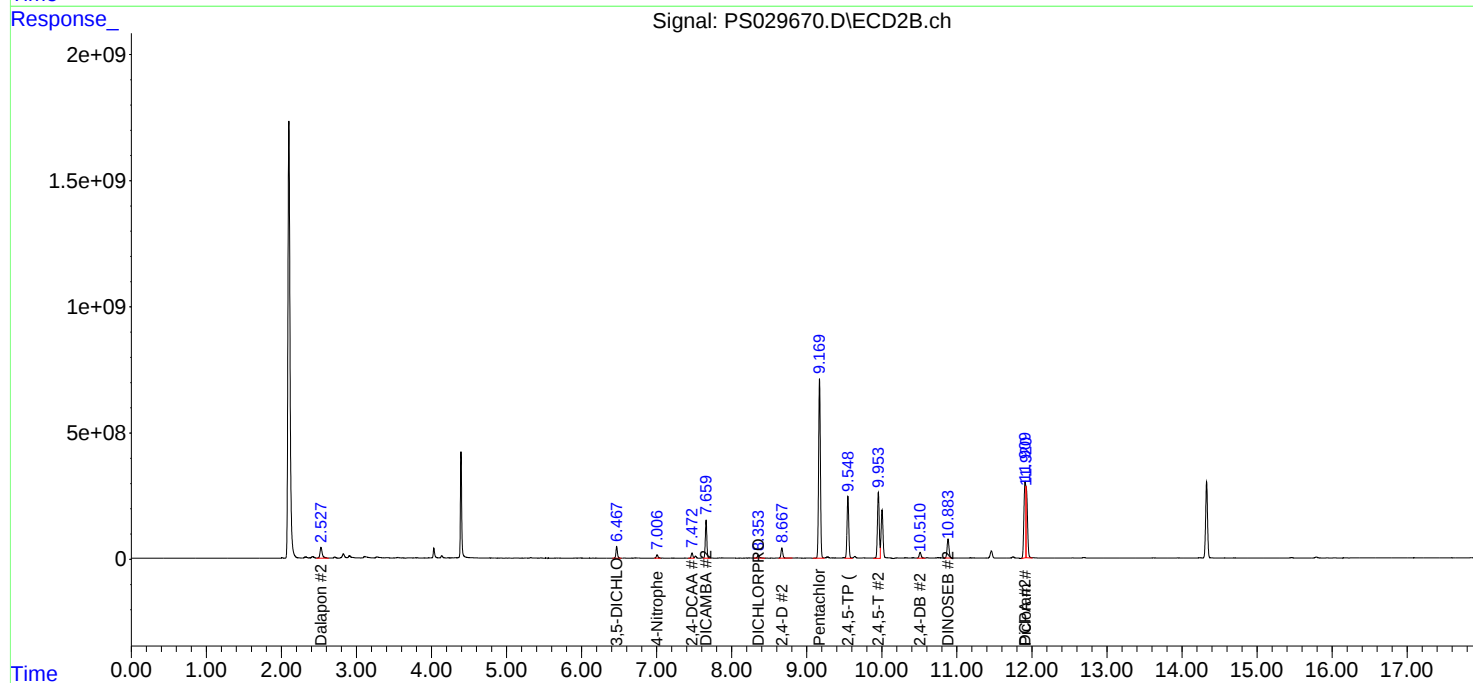
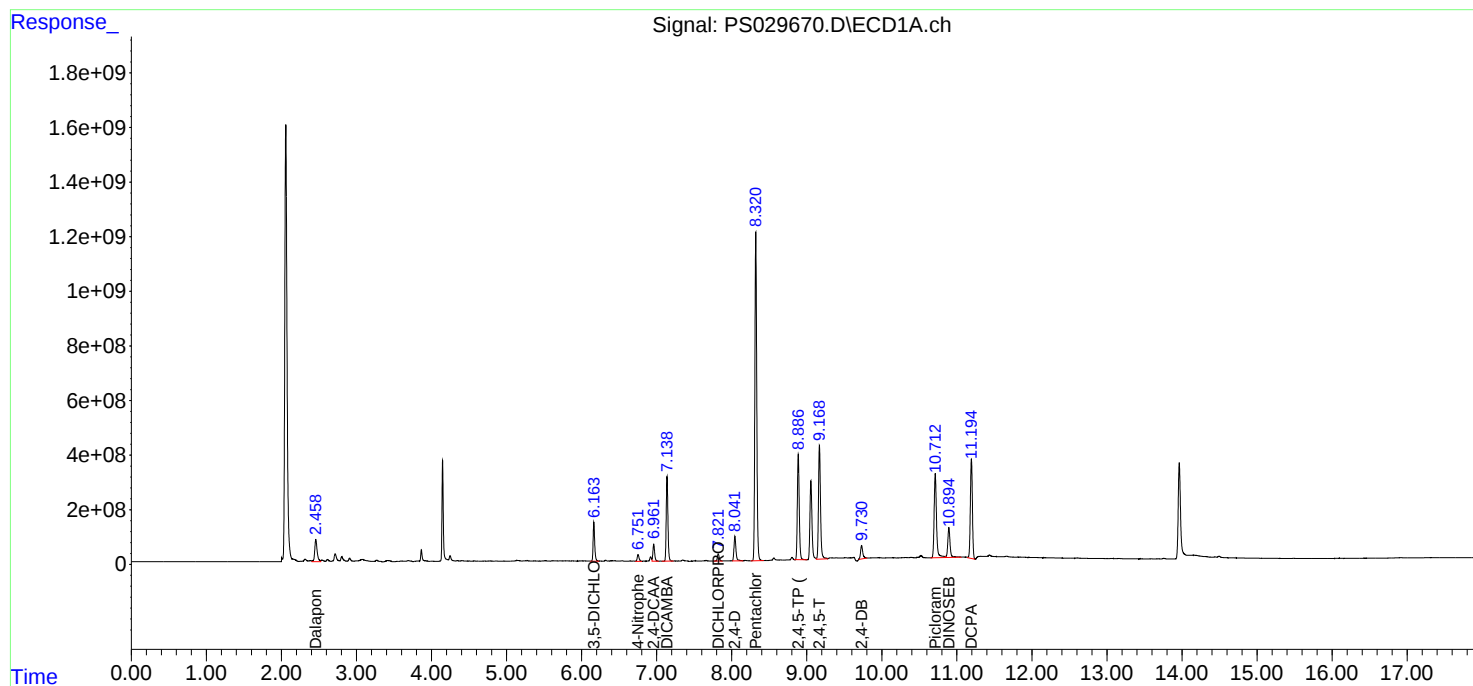
APPROVED

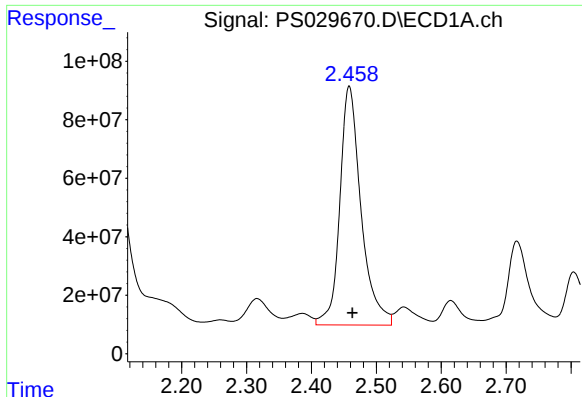
Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 03 11:47:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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





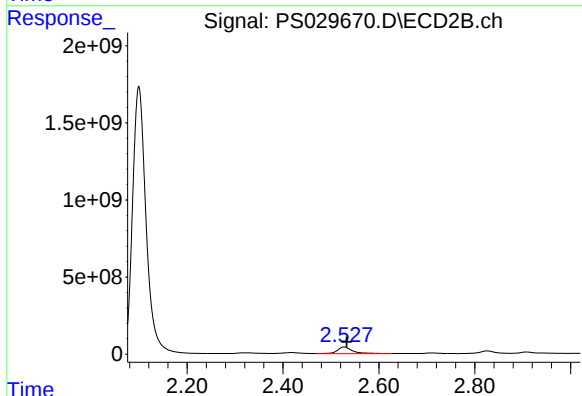
#1 Dalapon

R.T.: 2.458 min
Delta R.T.: -0.005 min
Response: 1858209978
Conc: 547.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
PT-HERB-WP

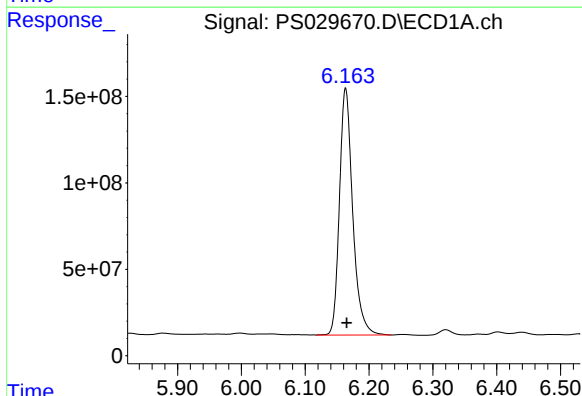
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



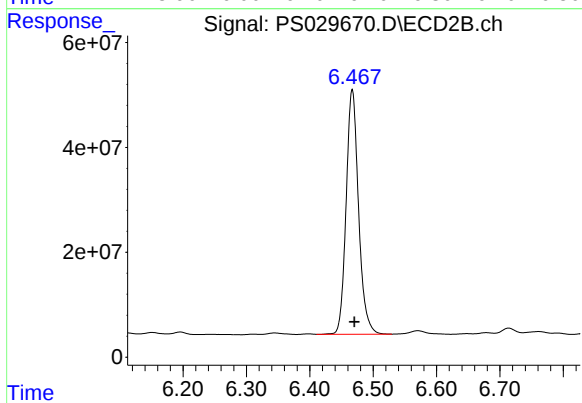
#1 Dalapon

R.T.: 2.527 min
Delta R.T.: -0.006 min
Response: 935947695
Conc: 589.54 ng/ml



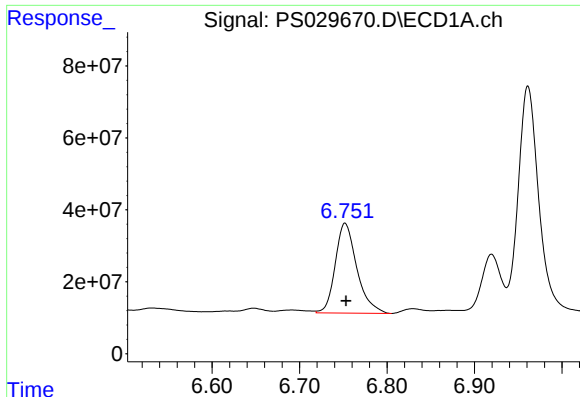
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.163 min
Delta R.T.: -0.002 min
Response: 2062976572
Conc: 685.88 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.467 min
Delta R.T.: -0.003 min
Response: 633934613
Conc: 656.55 ng/ml



#3 4-Nitrophenol

R.T.: 6.752 min
Delta R.T.: -0.001 min
Response: 429202839
Conc: 305.53 ng/ml

Instrument :

ECD_S

ClientSampleId :

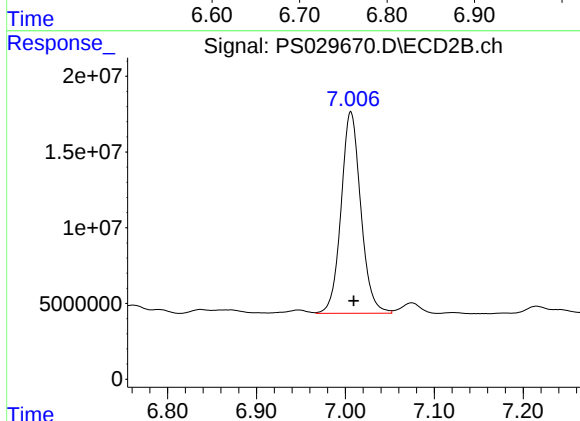
PT-HERB-WP

Manual Integrations

APPROVED

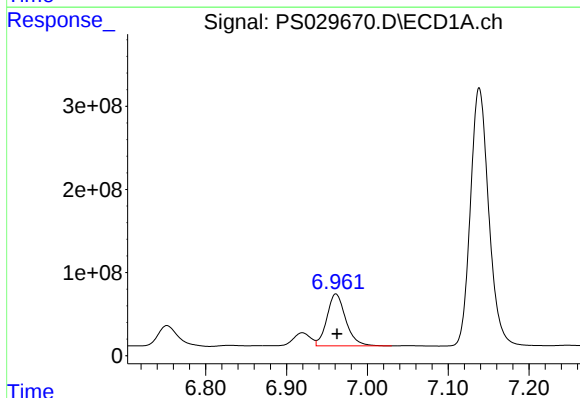
Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/05/2025



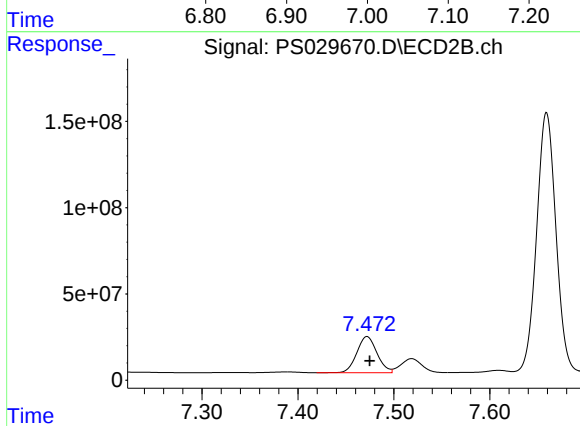
#3 4-Nitrophenol

R.T.: 7.006 min
Delta R.T.: -0.003 min
Response: 204872742
Conc: 288.96 ng/ml



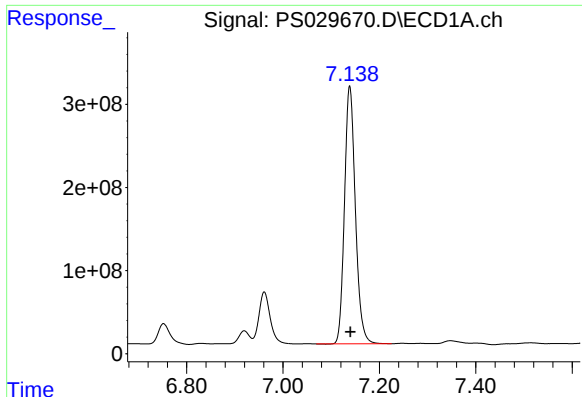
#4 2,4-DCAA

R.T.: 6.961 min
Delta R.T.: -0.002 min
Response: 1009026991
Conc: 494.90 ng/ml



#4 2,4-DCAA

R.T.: 7.472 min
Delta R.T.: -0.003 min
Response: 309568082
Conc: 454.24 ng/ml



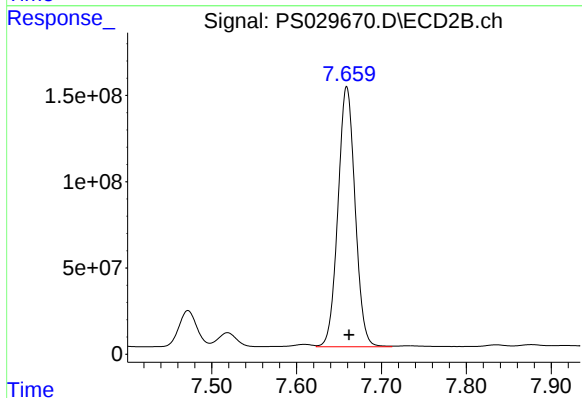
#5 DICAMBA

R.T.: 7.138 min
Delta R.T.: -0.001 min
Response: 4869908610
Conc: 585.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
PT-HERB-WP

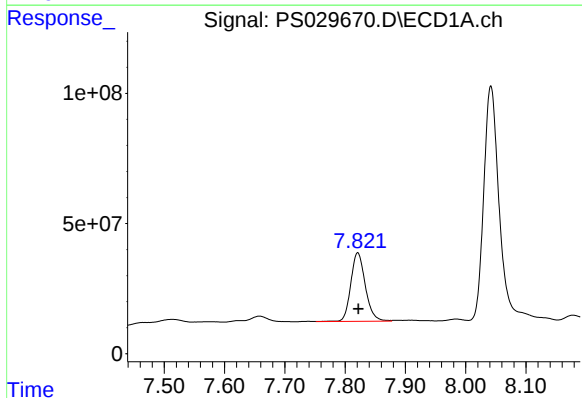
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



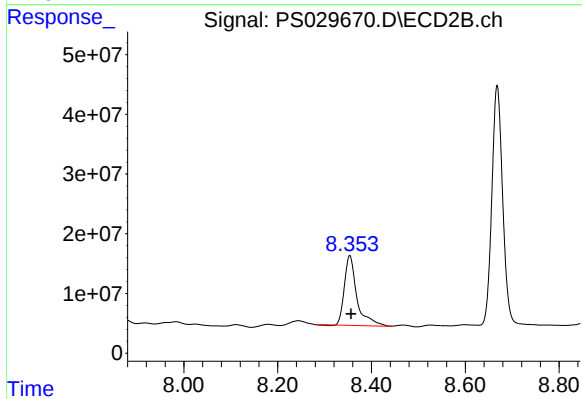
#5 DICAMBA

R.T.: 7.659 min
Delta R.T.: -0.003 min
Response: 2116329872
Conc: 573.01 ng/ml



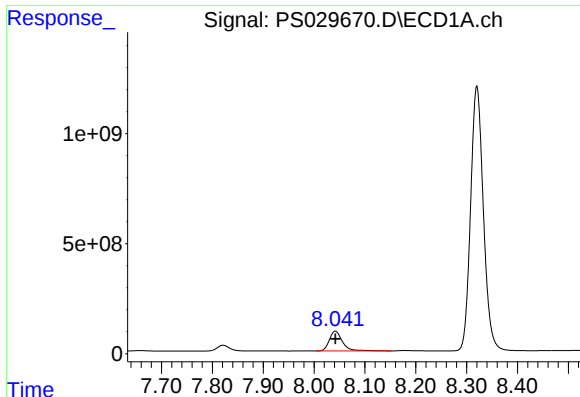
#8 DICHLORPROP

R.T.: 7.821 min
Delta R.T.: 0.000 min
Response: 443631431
Conc: 201.70 ng/ml



#8 DICHLORPROP

R.T.: 8.354 min
Delta R.T.: -0.003 min
Response: 216512569
Conc: 224.10 ng/ml



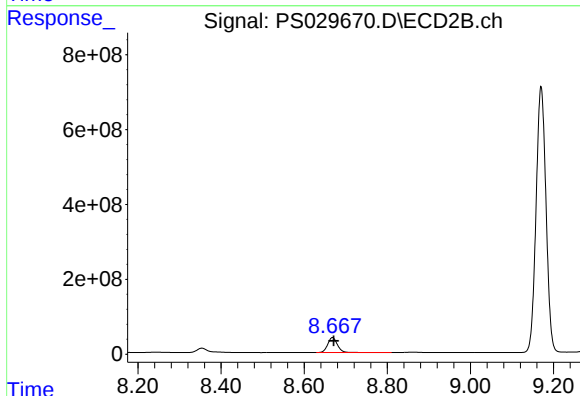
#9 2,4-D

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 1618673729
Conc: 671.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
PT-HERB-WP

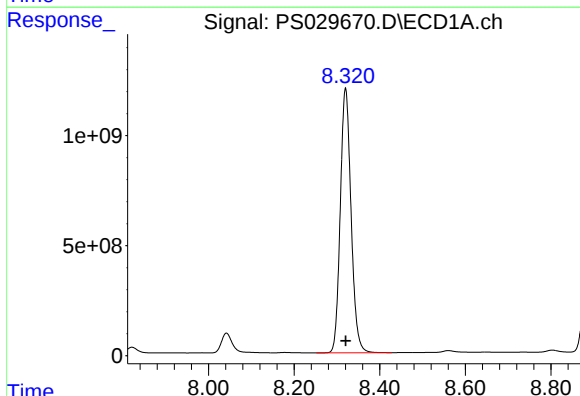
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



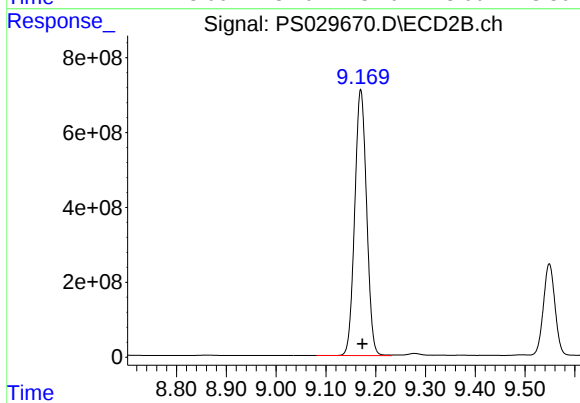
#9 2,4-D

R.T.: 8.668 min
Delta R.T.: -0.003 min
Response: 654916740
Conc: 607.27 ng/ml



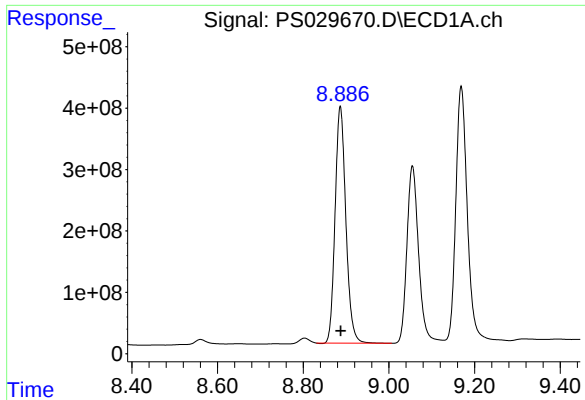
#10 Pentachlorophenol

R.T.: 8.320 min
Delta R.T.: 0.000 min
Response: 20972023298
Conc: 689.76 ng/ml



#10 Pentachlorophenol

R.T.: 9.170 min
Delta R.T.: -0.003 min
Response: 11770504930
Conc: 656.55 ng/ml



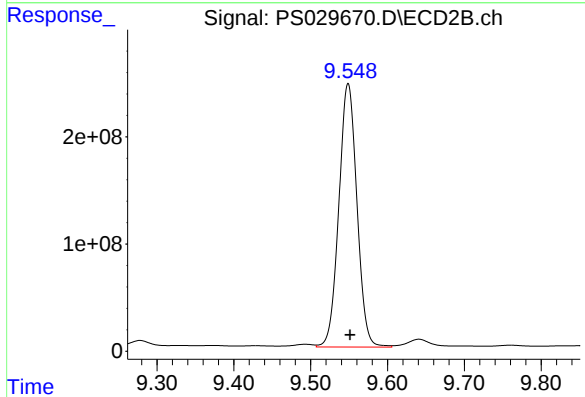
#11 2,4,5-TP (SILVEX)

R.T.: 8.887 min
Delta R.T.: -0.001 min
Response: 6720425008
Conc: 578.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
PT-HERB-WP

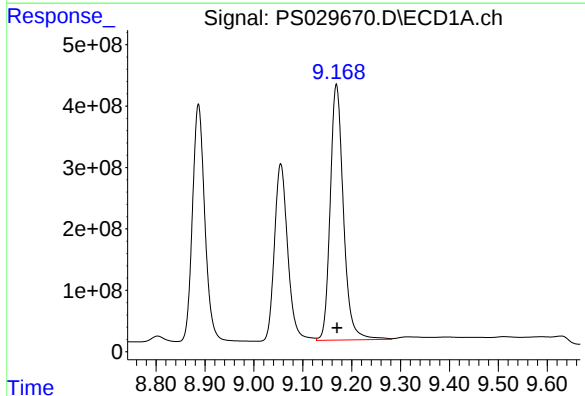
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



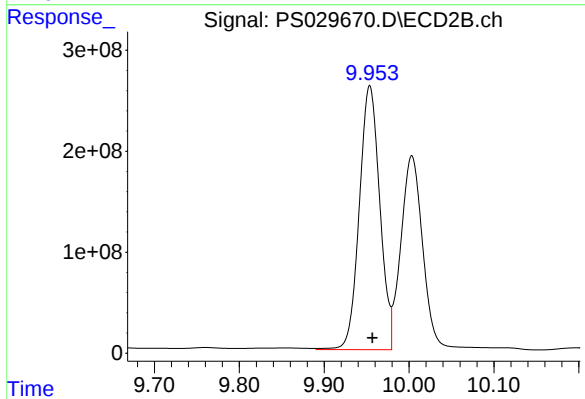
#11 2,4,5-TP (SILVEX)

R.T.: 9.549 min
Delta R.T.: -0.003 min
Response: 3998611113
Conc: 554.36 ng/ml



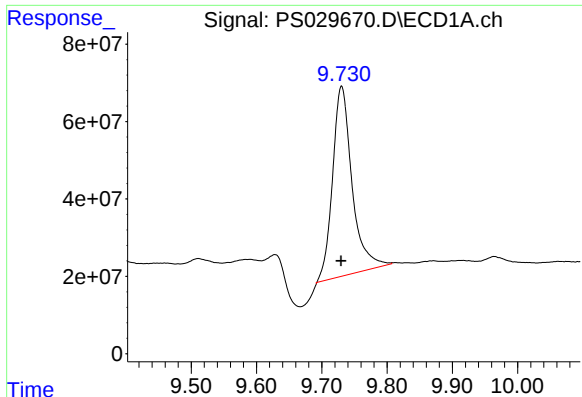
#12 2,4,5-T

R.T.: 9.169 min
Delta R.T.: -0.001 min
Response: 7818633618
Conc: 679.62 ng/ml



#12 2,4,5-T

R.T.: 9.954 min
Delta R.T.: -0.003 min
Response: 4383147131
Conc: 653.92 ng/ml



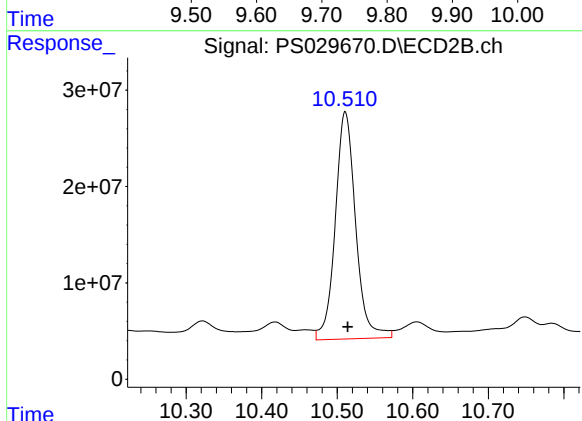
#13 2,4-DB

R.T.: 9.730 min
Delta R.T.: 0.000 min
Response: 1019104162
Conc: 560.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
PT-HERB-WP

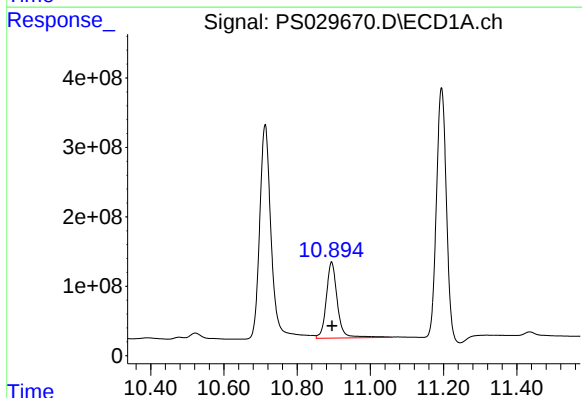
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



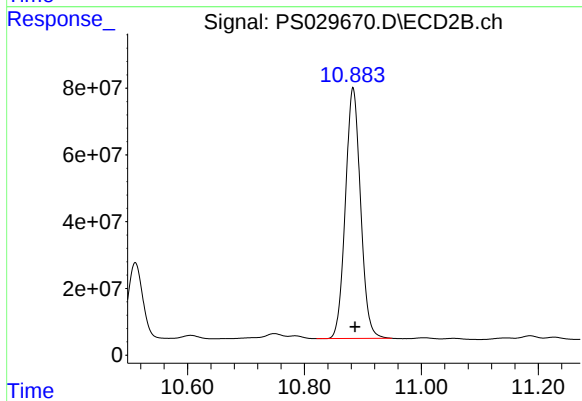
#13 2,4-DB

R.T.: 10.511 min
Delta R.T.: -0.003 min
Response: 442335856
Conc: 596.16 ng/ml



#14 DINOSEB

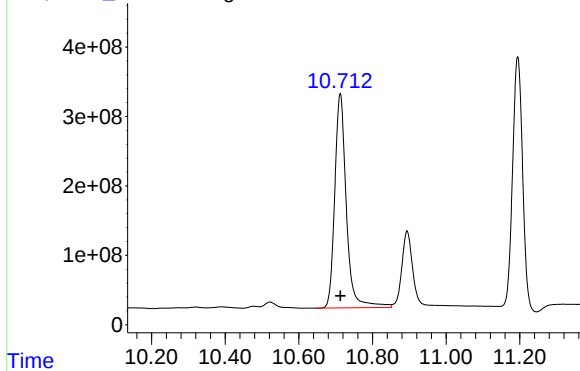
R.T.: 10.894 min
Delta R.T.: -0.001 min
Response: 2318449312
Conc: 274.63 ng/ml



#14 DINOSEB

R.T.: 10.883 min
Delta R.T.: -0.003 min
Response: 1352510393
Conc: 264.53 ng/ml

Response_ Signal: PS029670.D\ECD1A.ch



#15 Picloram

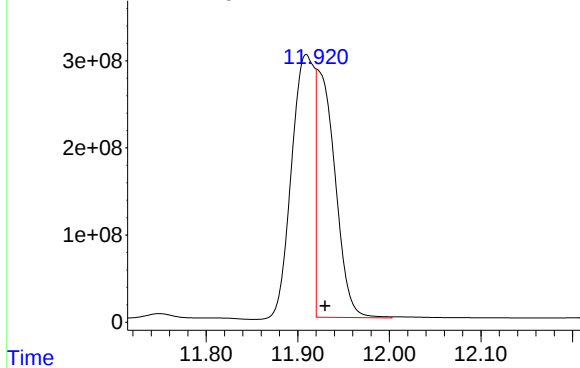
R.T.: 10.713 min
Delta R.T.: 0.000 min
Response: 6744862769
Conc: 435.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
PT-HERB-WP

**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025

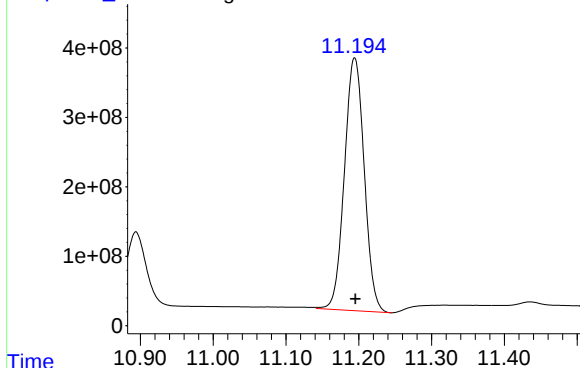
Time Response_ Signal: PS029670.D\ECD2B.ch



#15 Picloram

R.T.: 11.920 min
Delta R.T.: -0.009 min
Response: 3959828877
Conc: 334.89 ng/ml m

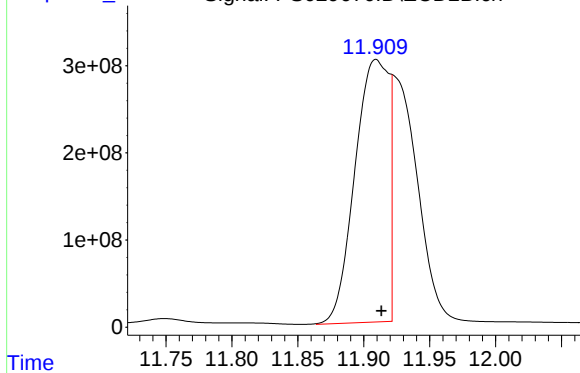
Time Response_ Signal: PS029670.D\ECD1A.ch



#16 DCPA

R.T.: 11.194 min
Delta R.T.: -0.001 min
Response: 6884892804
Conc: 492.97 ng/ml

Time Response_ Signal: PS029670.D\ECD2B.ch



#16 DCPA

R.T.: 11.909 min
Delta R.T.: -0.005 min
Response: 5380792522
Conc: 607.95 ng/ml m



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ALLI03
Lab Code: CHEM **Case No.:** Q1502 **SAS No.:** Q1502 **SDG NO.:** Q1502
Instrument ID: ECD_S **Calibration Date(s):** 03/20/2025 03/20/2025
Calibration Times: 12:07 13:43

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

LAB FILE ID:	RT 200 = <u>PS029471.D</u>	RT 500 = <u>PS029472.D</u>
RT 750 = <u>PS029473.D</u>	RT 1000 = <u>PS029474.D</u>	RT 1500 = <u>PS029475.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	9.43	9.43	9.43	9.43	9.43	9.43	9.33	9.53
2,4,5-TP(Silvex)	9.14	9.14	9.13	9.14	9.14	9.14	9.04	9.24
2,4-D	8.28	8.27	8.27	8.27	8.27	8.27	8.17	8.37
2,4-DB	10.01	10.00	10.00	10.00	10.00	10.00	9.90	10.10
2,4-DCAA	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
3,5-DICHLOROBENZOIC	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
4-Nitrophenol	6.98	6.96	6.96	6.96	6.96	6.96	6.86	7.06
Dalapon	2.59	2.59	2.59	2.59	2.59	2.59	2.49	2.69
DCPA	11.48	11.48	11.48	11.49	11.49	11.48	11.38	11.58
DICAMBA	7.34	7.34	7.34	7.34	7.34	7.34	7.24	7.44
DICHLORPROP	8.04	8.04	8.04	8.04	8.04	8.04	7.94	8.14
Dinoseb	11.19	11.19	11.19	11.19	11.19	11.19	11.09	11.29
MCPA	7.66	7.66	7.67	7.67	7.67	7.67	7.57	7.77
MCPP	7.51	7.52	7.52	7.52	7.53	7.52	7.42	7.62
Pentachlorophenol	8.56	8.56	8.56	8.57	8.57	8.56	8.46	8.66
PICLORAM	11.02	11.01	11.01	11.00	11.00	11.01	10.91	11.11

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03
Lab Code: CHEM **Case No.:** Q1502 **SAS No.:** Q1502 **SDG NO.:** Q1502
Instrument ID: ECD_S **Calibration Date(s):** 03/20/2025 03/20/2025
Calibration Times: 12:07 13:43

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

LAB FILE ID:		CF 200 = <u>PS029471.D</u>		CF 500 = <u>PS029472.D</u>			
CF 750 = <u>PS029473.D</u>		CF 1000 = <u>PS029474.D</u>		CF 1500 = <u>PS029475.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	27306400000	26699300000	25362800000	24284700000	23285300000	25387700000	7
2,4,5-TP(Silvex)	28762200000	26803200000	25182300000	24006300000	22838600000	25518500000	9
2,4-D	4806910000	4748150000	4598940000	4444040000	4303170000	4580240000	5
2,4-DB	3438570000	3612650000	3700850000	3606340000	3701950000	3612070000	3
2,4-DCAA	4717910000	4394470000	4182810000	4052830000	3921990000	4254000000	7
3,5-DICHLOROBENZOIC	6357110000	6161280000	5868750000	5684770000	5558840000	5926150000	6
4-Nitrophenol	2057580000	1795730000	1873800000	1871270000	2002420000	1920160000	6
Dalapon	5235940000	5082180000	5942970000	5755320000	5657460000	5534770000	7
DCPA	35448000000	32866100000	30679600000	28966000000	27311400000	31054200000	10
DICAMBA	19913000000	19081400000	18183200000	17534800000	16931700000	18328800000	7
DICHLORPROP	5589060000	4965230000	4673880000	4478320000	4353040000	4811910000	10
Dinoseb	20139000000	18695800000	17561600000	16973400000	16397100000	17953400000	8
MCPA	15692700000	16990000000	17098300000	17152300000	17708600000	16928400000	4
MCPP	10348700000	12697000000	13064100000	13230000000	13802100000	12628400000	11
Pentachlorophenol	76926600000	71337200000	61795800000	52114300000	39239800000	60282700000	25
PICLORAM	29989700000	30837600000	30359500000	29675200000	29625800000	30097600000	2

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03
Lab Code: CHEM **Case No.:** Q1502 **SAS No.:** Q1502 **SDG NO.:** Q1502
Instrument ID: ECD_S **Calibration Date(s):** 03/20/2025 03/20/2025
Calibration Times: 12:07 13:43

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

LAB FILE ID:		CF 200 = <u>PS029471.D</u>		CF 500 = <u>PS029472.D</u>			
CF 750 = <u>PS029473.D</u>		CF 1000 = <u>PS029474.D</u>		CF 1500 = <u>PS029475.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	7297710000	7805710000	7815580000	7737100000	7819590000	7695140000	3
2,4,5-TP(Silvex)	8696560000	9146170000	9032140000	8899780000	8858750000	8926680000	2
2,4-D	1264980000	1233110000	1200310000	1180530000	1189110000	1213610000	3
2,4-DB	722067000	745264000	748420000	744303000	772006000	746412000	2
2,4-DCAA	903333000	888766000	870180000	856624000	862390000	876259000	2
3,5-DICHLOROBENZOIC	1403310000	1375940000	1336850000	1312230000	1307480000	1347160000	3
4-Nitrophenol	739405000	735231000	722913000	706700000	714621000	723774000	2
Dalapon	1985990000	1959240000	1898960000	2126170000	2088680000	2011810000	5
DCPA	11476900000	12175100000	12065600000	11817500000	11767000000	11860400000	2
DICAMBA	4793230000	5089690000	5103760000	5110470000	5198220000	5059070000	3
DICHLORPROP	1271200000	1242340000	1211430000	1190620000	1196740000	1222470000	3
Dinoseb	5595950000	5795490000	5725820000	5741880000	5824140000	5736660000	2
MCPA	2548150000	2950300000	2994170000	2997090000	3062580000	2910460000	7
MCPD	1938530000	2254050000	2299580000	2322740000	2367970000	2236580000	8
Pentachlorophenol	23403000000	24239400000	23512200000	22874800000	22143200000	23234500000	3
PICLORAM	9198930000	10962600000	11306100000	11374900000	11752200000	10918900000	9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
 Data File : PS029471.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 12:07
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 21 04:38:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:38:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.162	7.602	943.6E6	180.7E6	225.586	207.620
Target Compounds							
1) T	Dalapon	2.591	2.629	952.9E6	361.4E6	160.348	190.341
2) T	3,5-DICHL...	6.343	6.579	1182.4E6	261.0E6	201.477	195.247
3) T	4-Nitroph...	6.976	7.142	374.5E6	134.6E6	199.851m	186.152
5) T	DICAMBA	7.339	7.791	3743.6E6	901.1E6	205.884	176.561
6) T	MCP	7.514	7.892	194.6E6	36444416	14.892	15.848
7) T	MCPA	7.661	8.128	291.9E6	47395532	17.071	15.829
8) T	DICHLORPROP	8.042	8.498	1050.7E6	239.0E6	224.812	197.276
9) T	2,4-D	8.282	8.825	903.7E6	237.8E6	196.502	198.129
10) T	Pentachlo...	8.560	9.332	14616.1E6	4446.6E6	236.522	189.118
11) T	2,4,5-TP ...	9.137	9.709	5464.8E6	1652.3E6	217.010	182.941
12) T	2,4,5-T	9.433	10.124	5188.2E6	1386.6E6	204.560	177.410
13) T	2,4-DB	10.005	10.685	653.3E6	137.2E6	176.534	183.310
14) T	DINOSEB	11.187	11.055	3786.1E6	1052.0E6	215.591	183.736
15) T	Picloram	11.016	12.127	5698.0E6	1747.8E6	187.685	154.589
16) T	DCPA	11.484	12.083	6806.0E6	2203.6E6	221.841	182.633

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029471.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 12:07
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations

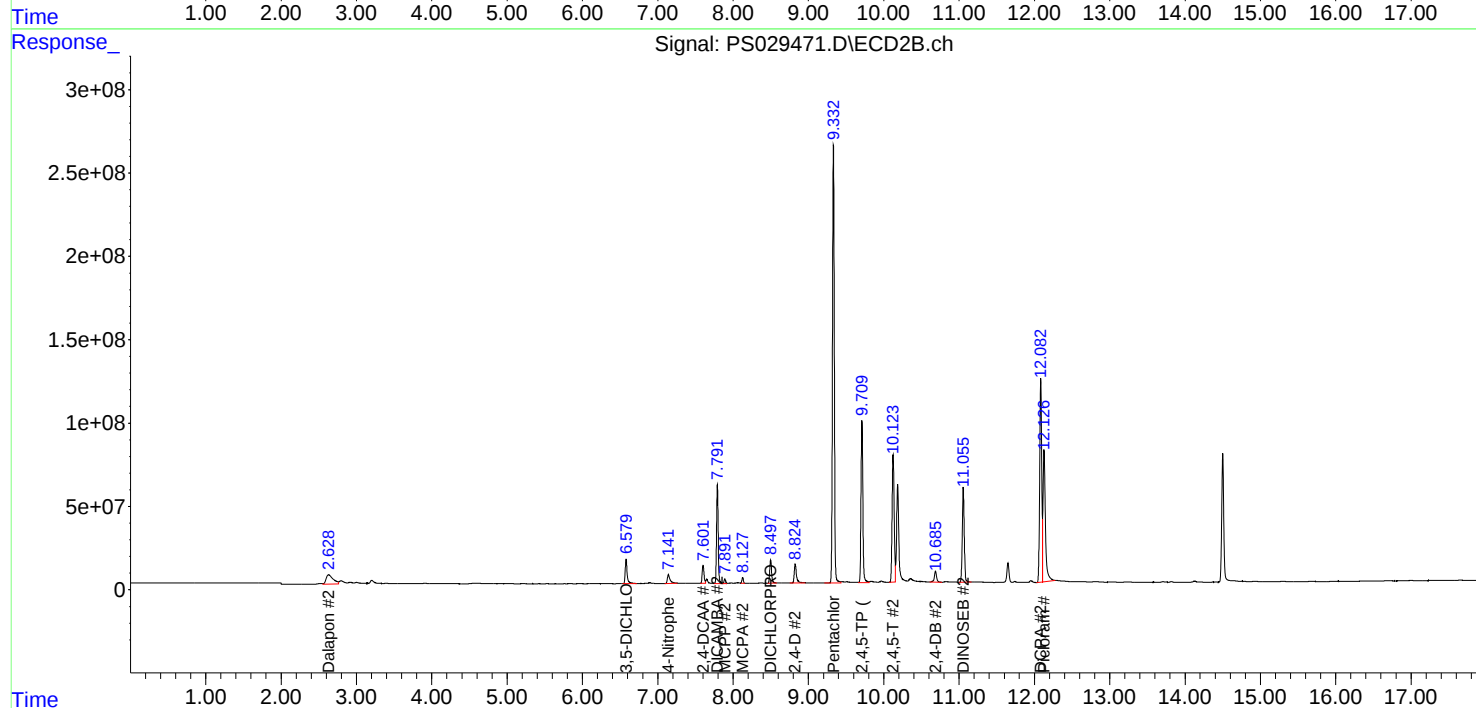
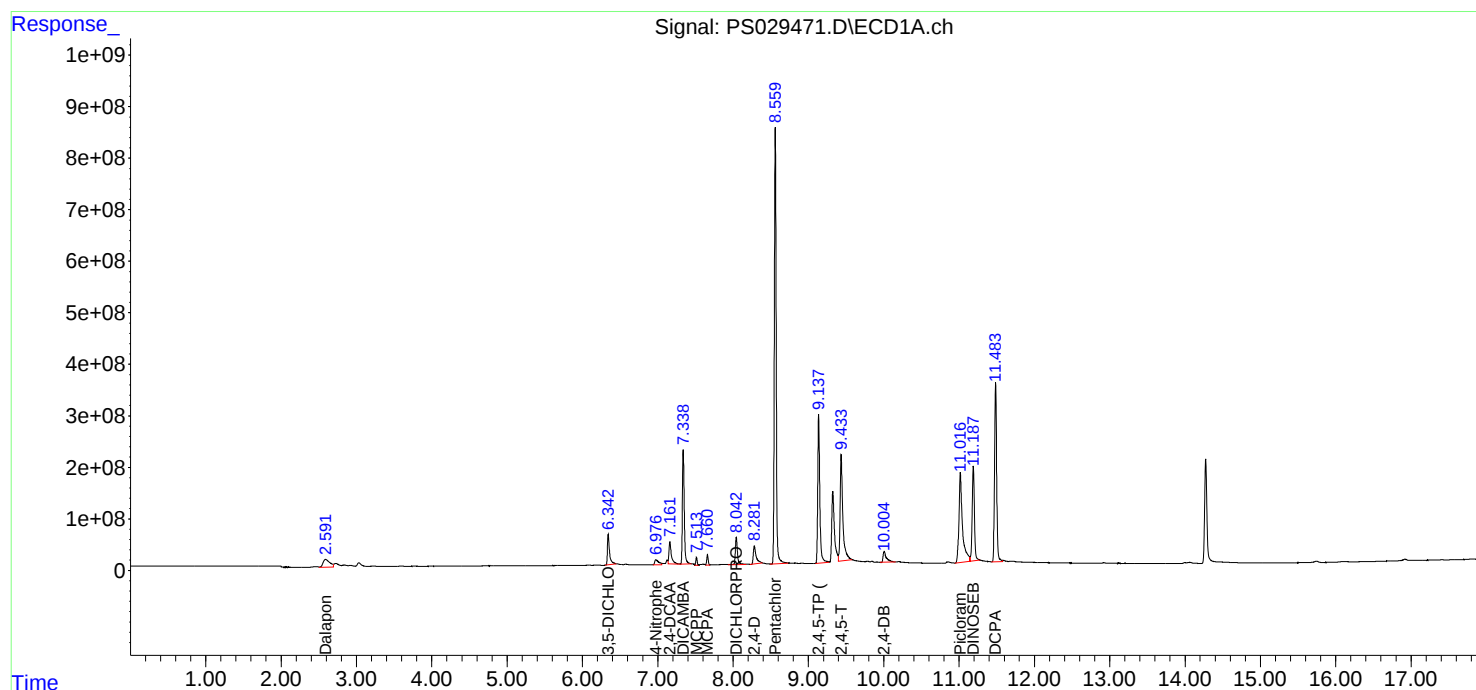
APPROVED

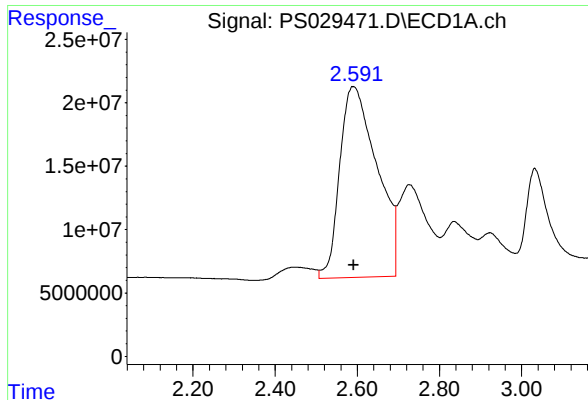
Reviewed By :Abdul Mirza 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 04:38:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:38:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





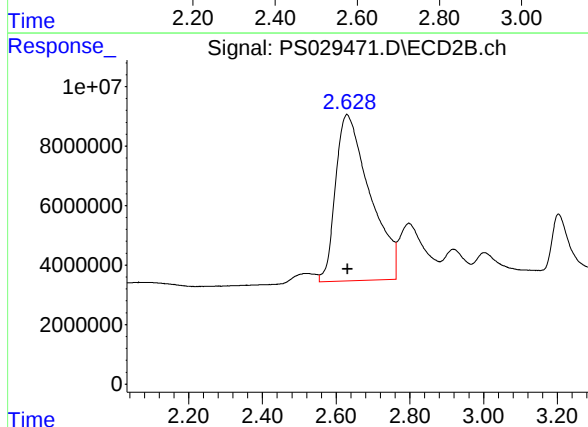
#1 Dalapon

R.T.: 2.591 min
Delta R.T.: 0.000 min
Response: 952940408
Conc: 160.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

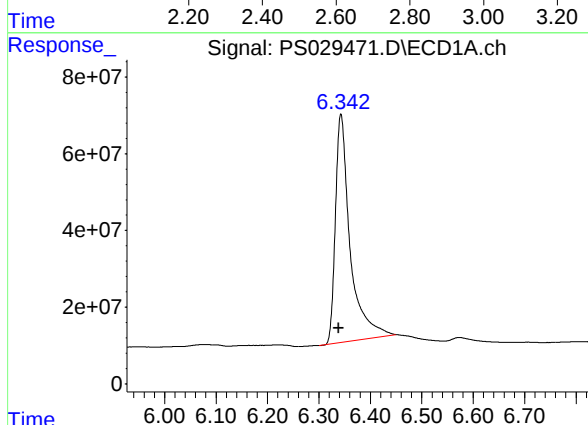
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



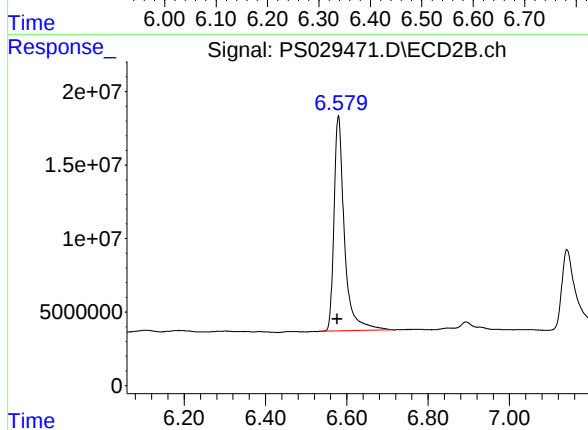
#1 Dalapon

R.T.: 2.629 min
Delta R.T.: -0.002 min
Response: 361449361
Conc: 190.34 ng/ml



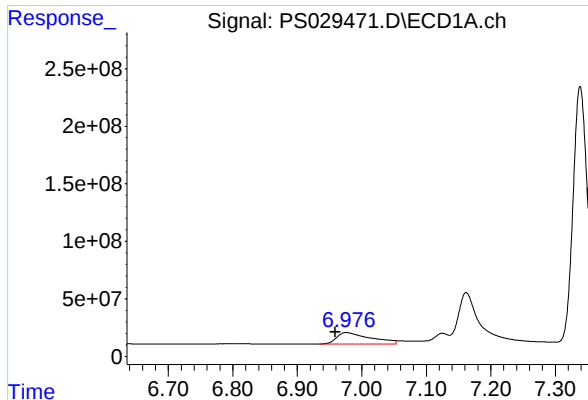
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.343 min
Delta R.T.: 0.004 min
Response: 1182421561
Conc: 201.48 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.579 min
Delta R.T.: 0.003 min
Response: 261016086
Conc: 195.25 ng/ml



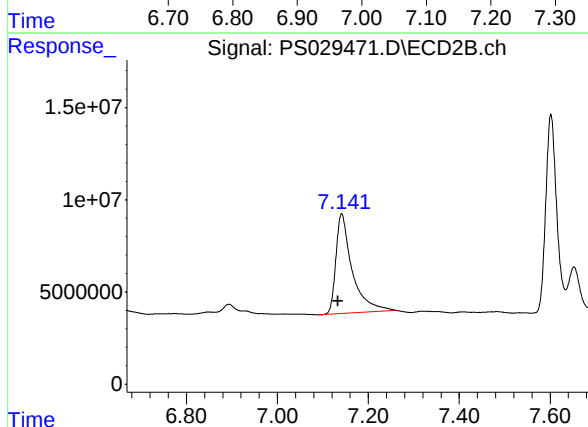
#3 4-Nitrophenol

R.T.: 6.976 min
Delta R.T.: 0.017 min
Response: 374480266
Conc: 199.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

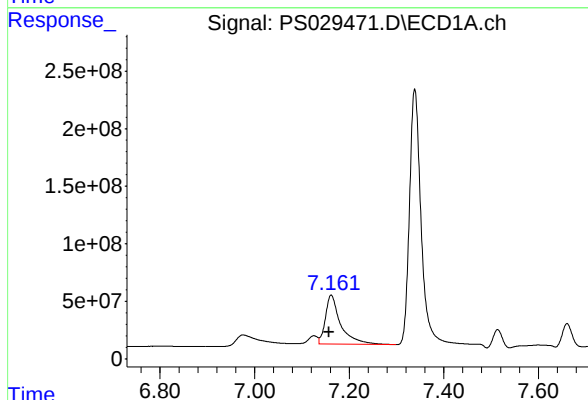
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



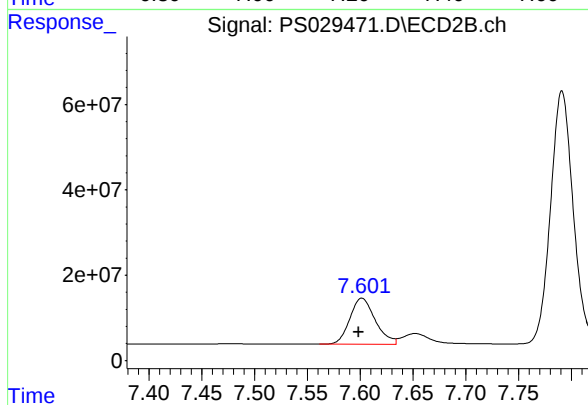
#3 4-Nitrophenol

R.T.: 7.142 min
Delta R.T.: 0.008 min
Response: 134571739
Conc: 186.15 ng/ml



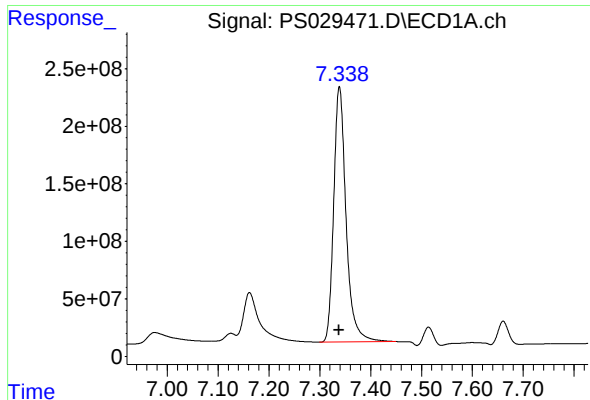
#4 2,4-DCAA

R.T.: 7.162 min
Delta R.T.: 0.005 min
Response: 943581822
Conc: 225.59 ng/ml



#4 2,4-DCAA

R.T.: 7.602 min
Delta R.T.: 0.003 min
Response: 180666629
Conc: 207.62 ng/ml



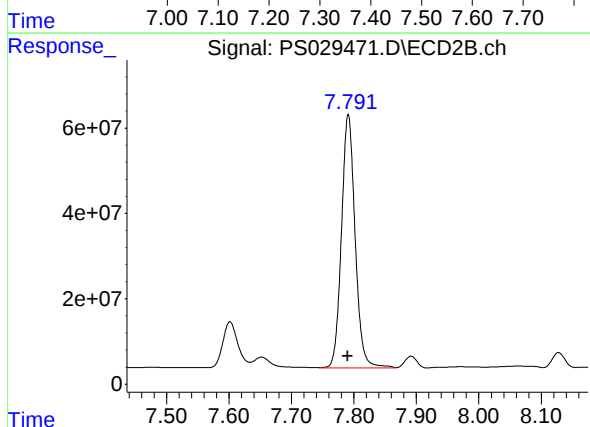
#5 DICAMBA

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 3743643003
Conc: 205.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

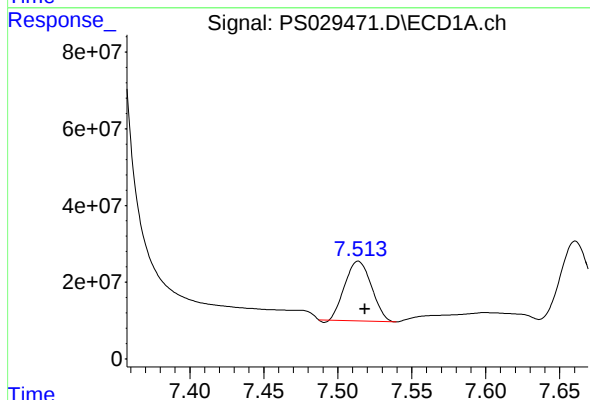
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



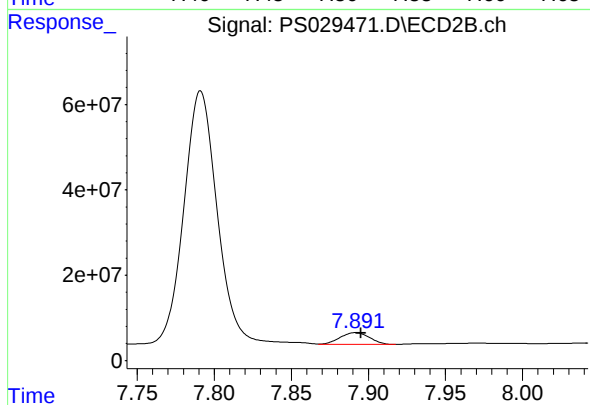
#5 DICAMBA

R.T.: 7.791 min
Delta R.T.: 0.000 min
Response: 901127160
Conc: 176.56 ng/ml



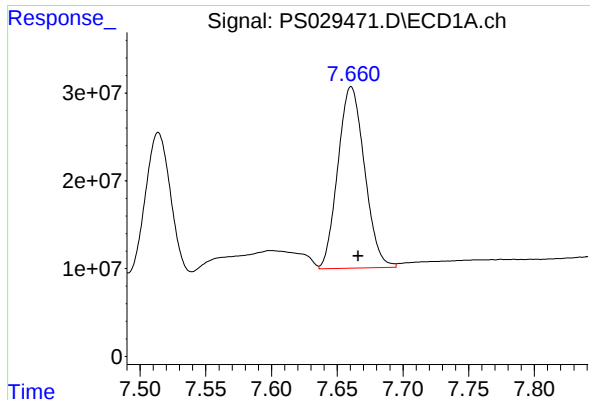
#6 MCPD

R.T.: 7.514 min
Delta R.T.: -0.004 min
Response: 194554629
Conc: 14.89 ug/ml



#6 MCPD

R.T.: 7.892 min
Delta R.T.: -0.004 min
Response: 36444416
Conc: 15.85 ug/ml



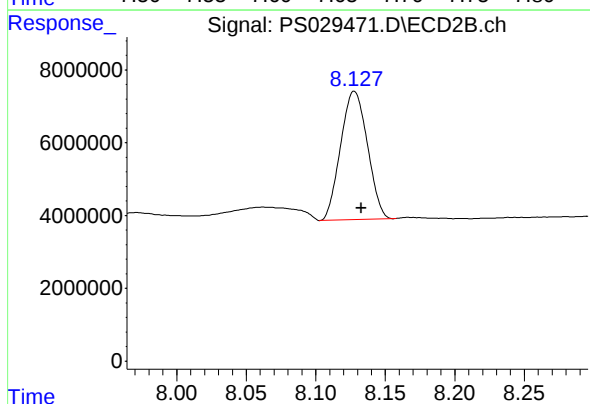
#7 MCPA

R.T.: 7.661 min
Delta R.T.: -0.006 min
Response: 291883476
Conc: 17.07 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

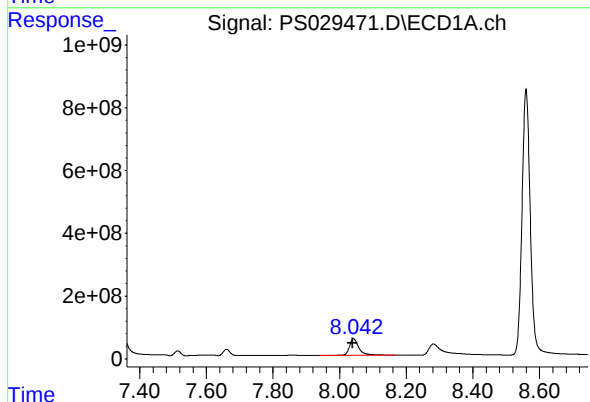
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



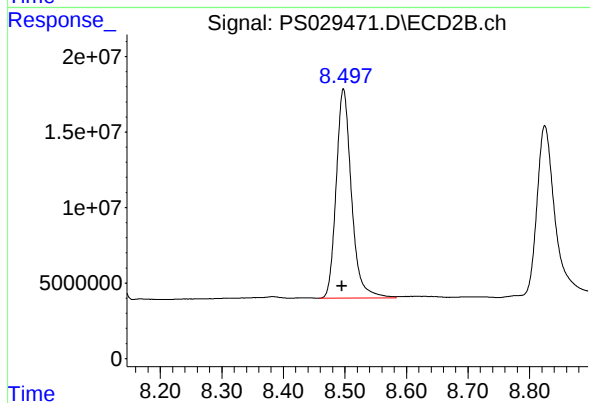
#7 MCPA

R.T.: 8.128 min
Delta R.T.: -0.005 min
Response: 47395532
Conc: 15.83 ug/ml



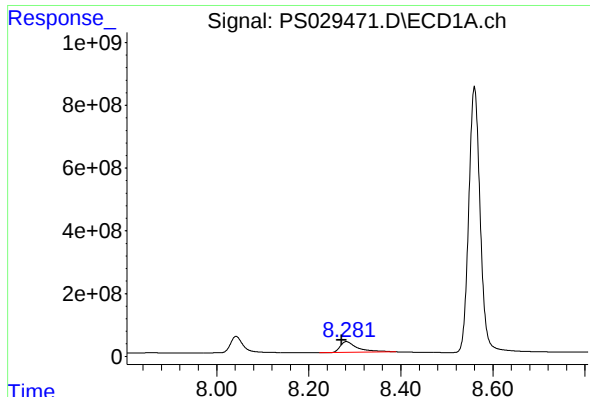
#8 DICHLORPROP

R.T.: 8.042 min
Delta R.T.: 0.003 min
Response: 1050744107
Conc: 224.81 ng/ml



#8 DICHLORPROP

R.T.: 8.498 min
Delta R.T.: 0.002 min
Response: 238986171
Conc: 197.28 ng/ml



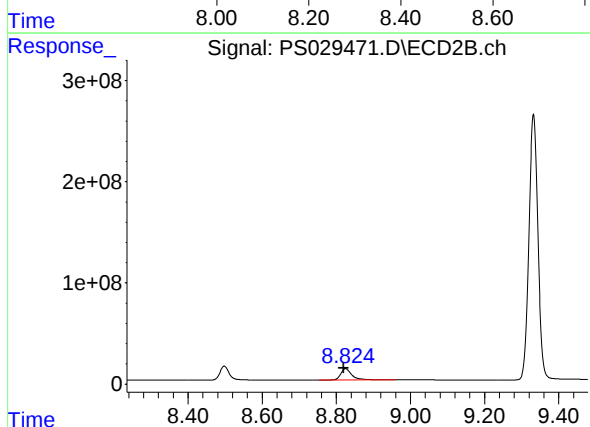
#9 2,4-D

R.T.: 8.282 min
Delta R.T.: 0.011 min
Response: 903699795
Conc: 196.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

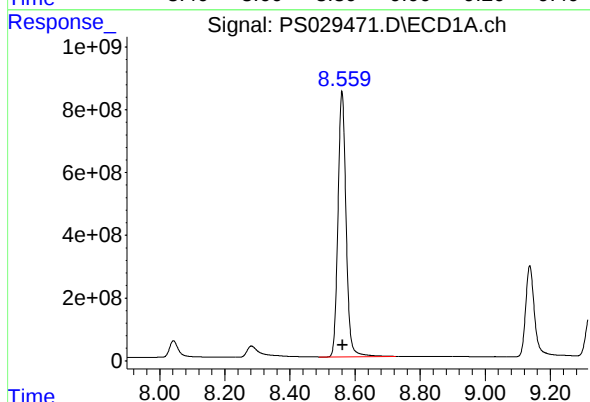
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



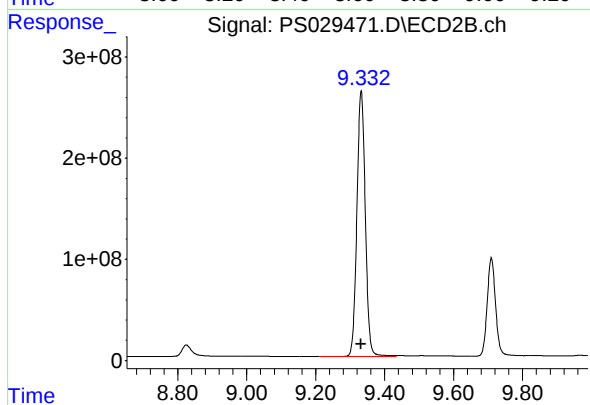
#9 2,4-D

R.T.: 8.825 min
Delta R.T.: 0.005 min
Response: 237816021
Conc: 198.13 ng/ml



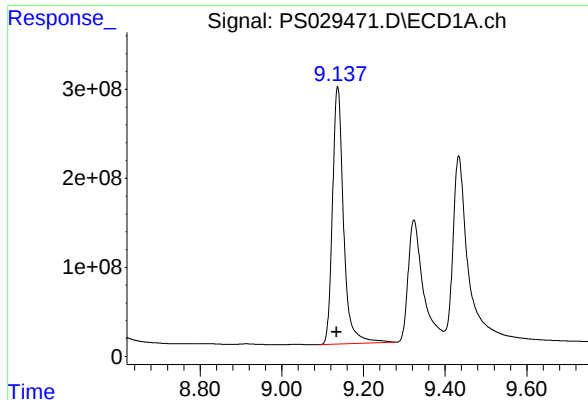
#10 Pentachlorophenol

R.T.: 8.560 min
Delta R.T.: -0.002 min
Response: 14616061911
Conc: 236.52 ng/ml



#10 Pentachlorophenol

R.T.: 9.332 min
Delta R.T.: 0.000 min
Response: 4446571896
Conc: 189.12 ng/ml



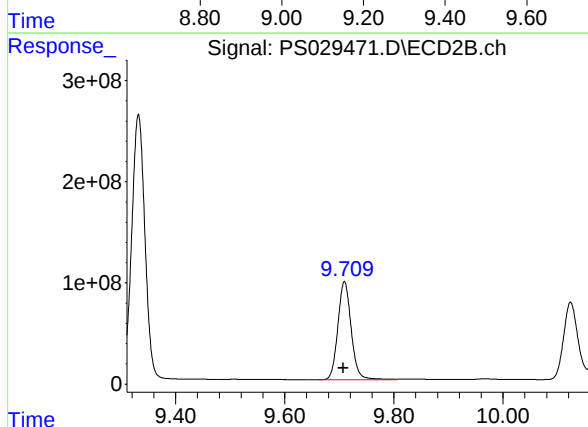
#11 2,4,5-TP (SILVEX)

R.T.: 9.137 min
Delta R.T.: 0.003 min
Response: 5464816704
Conc: 217.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

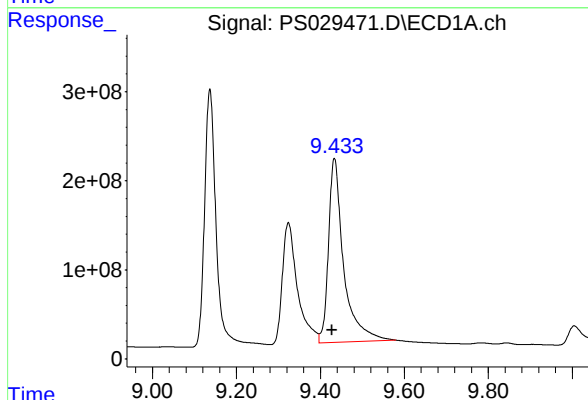
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



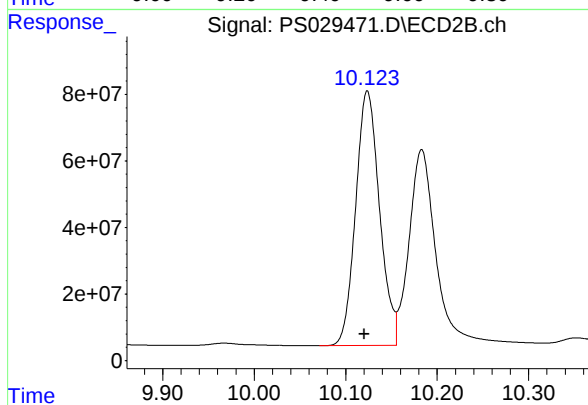
#11 2,4,5-TP (SILVEX)

R.T.: 9.709 min
Delta R.T.: 0.002 min
Response: 1652346010
Conc: 182.94 ng/ml



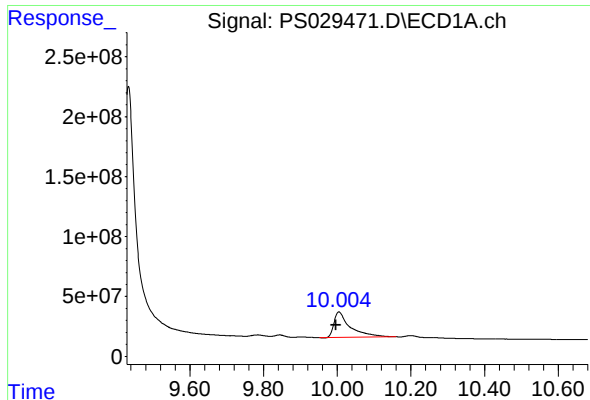
#12 2,4,5-T

R.T.: 9.433 min
Delta R.T.: 0.006 min
Response: 5188220134
Conc: 204.56 ng/ml



#12 2,4,5-T

R.T.: 10.124 min
Delta R.T.: 0.003 min
Response: 1386565789
Conc: 177.41 ng/ml



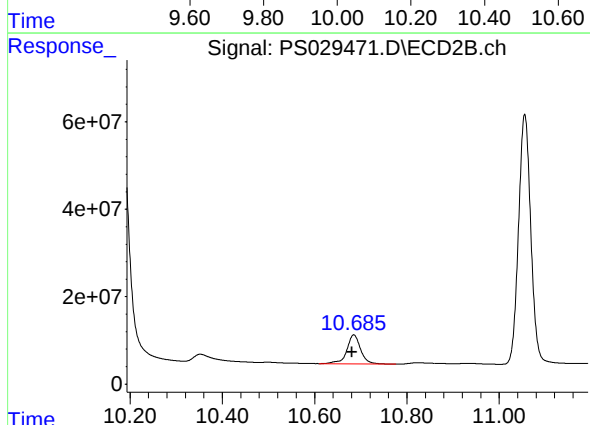
#13 2,4-DB

R.T.: 10.005 min
Delta R.T.: 0.007 min
Response: 653328261
Conc: 176.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

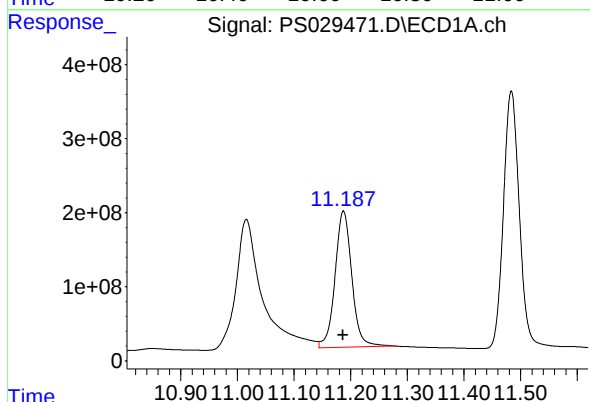
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



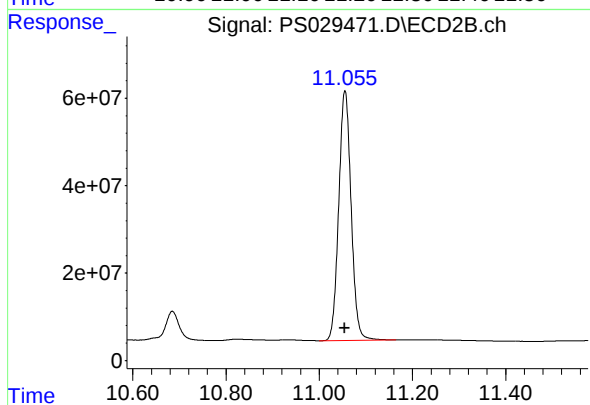
#13 2,4-DB

R.T.: 10.685 min
Delta R.T.: 0.004 min
Response: 137192679
Conc: 183.31 ng/ml



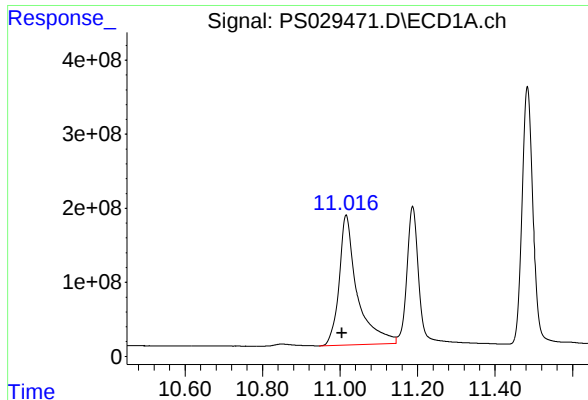
#14 DINOSEB

R.T.: 11.187 min
Delta R.T.: 0.000 min
Response: 3786132739
Conc: 215.59 ng/ml



#14 DINOSEB

R.T.: 11.055 min
Delta R.T.: 0.000 min
Response: 1052038504
Conc: 183.74 ng/ml



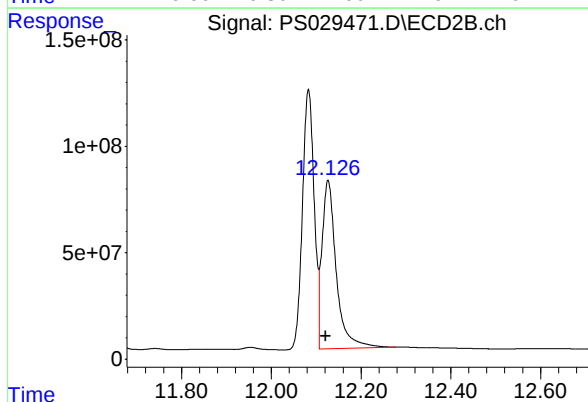
#15 Picloram

R.T.: 11.016 min
Delta R.T.: 0.010 min
Response: 5698034237
Conc: 187.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

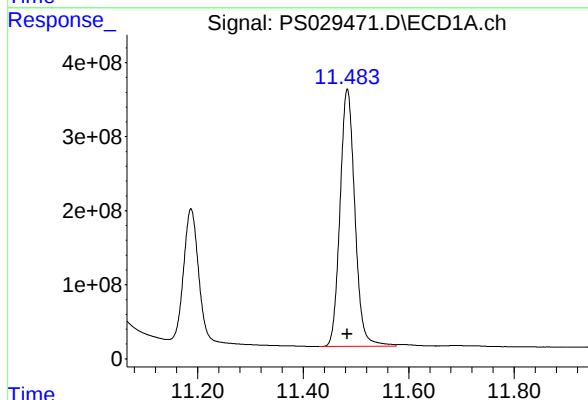
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



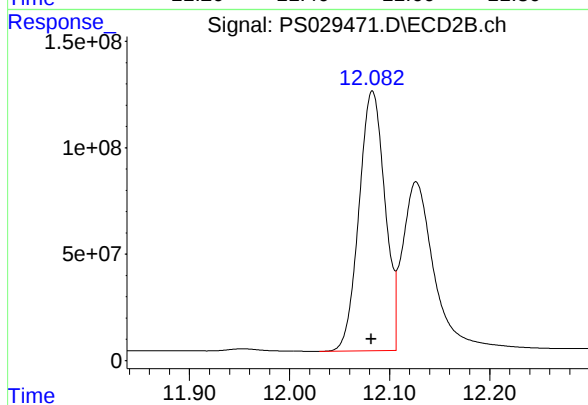
#15 Picloram

R.T.: 12.127 min
Delta R.T.: 0.005 min
Response: 1747797099
Conc: 154.59 ng/ml



#16 DCPA

R.T.: 11.484 min
Delta R.T.: 0.000 min
Response: 6806013978
Conc: 221.84 ng/ml



#16 DCPA

R.T.: 12.083 min
Delta R.T.: 0.001 min
Response: 2203566608
Conc: 182.63 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
 Data File : PS029472.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 12:31
 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: Mar 21 04:39:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:38:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.159	7.600	2197.2E6	444.4E6	525.302	510.680
Target Compounds							
1) T	Dalapon	2.589	2.628	2312.4E6	891.5E6	389.097	469.442
2) T	3,5-DICHL...	6.340	6.578	2865.0E6	639.8E6	488.178	478.594
3) T	4-Nitroph...	6.963	7.136	817.1E6	334.5E6	436.044	462.753
5) T	DICAMBA	7.339	7.791	8968.3E6	2392.2E6	493.217	468.704
6) T	MCPD	7.517	7.894	596.8E6	105.9E6	45.679	46.069
7) T	MCPA	7.664	8.131	790.0E6	137.2E6	46.205	45.819
8) T	DICHLORPROP	8.040	8.497	2333.7E6	583.9E6	499.298	481.991
9) T	2,4-D	8.274	8.821	2231.6E6	579.6E6	485.248	482.843
10) T	Pentachlo...	8.560	9.331	33885.2E6	11513.7E6	548.341	489.690
11) T	2,4,5-TP ...	9.136	9.709	12731.5E6	4344.4E6	505.574	480.997
12) T	2,4,5-T	9.429	10.122	12682.2E6	3707.7E6	500.031	474.400
13) T	2,4-DB	10.000	10.683	1716.0E6	354.0E6	463.679	472.997
14) T	DINOSEB	11.187	11.055	8787.0E6	2723.9E6	500.354	475.719
15) T	Picloram	11.008	12.123	14647.9E6	5207.2E6	482.481	460.567
16) T	DCPA	11.484	12.082	15775.7E6	5844.0E6	514.209	484.356

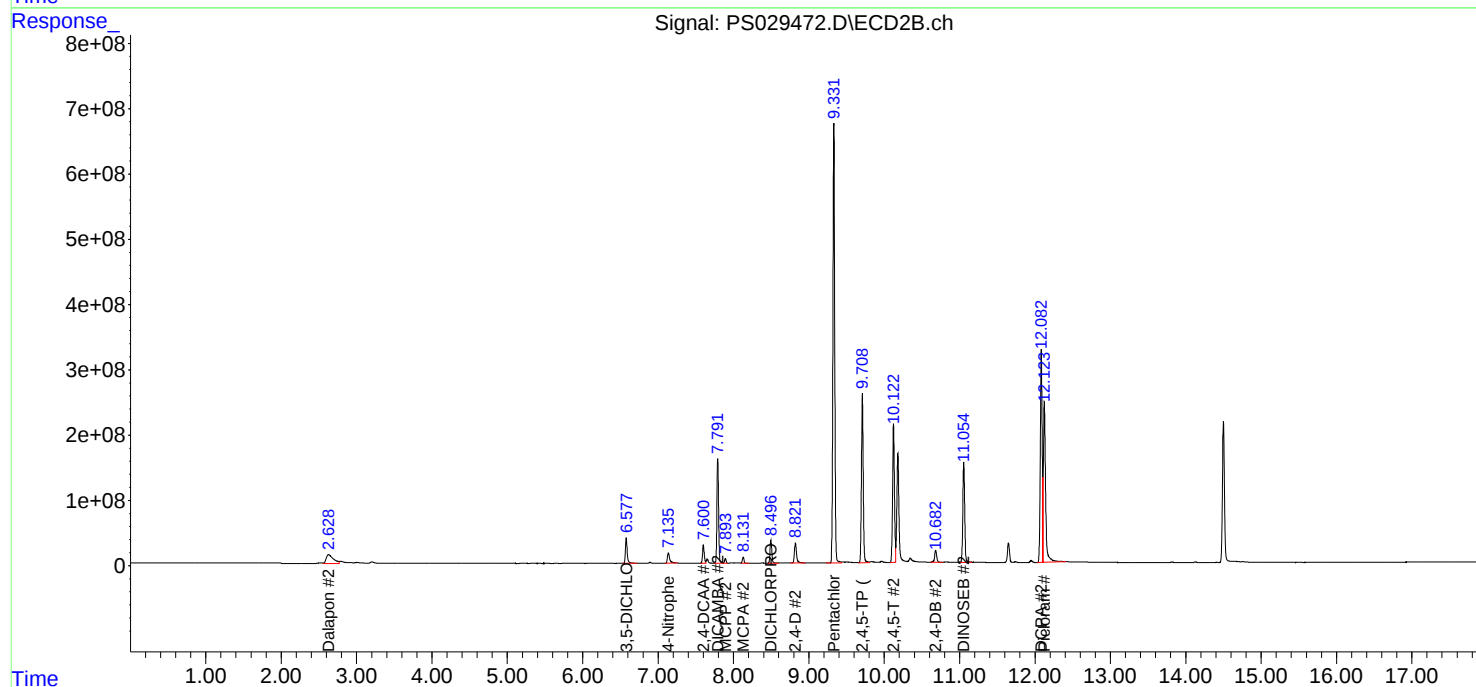
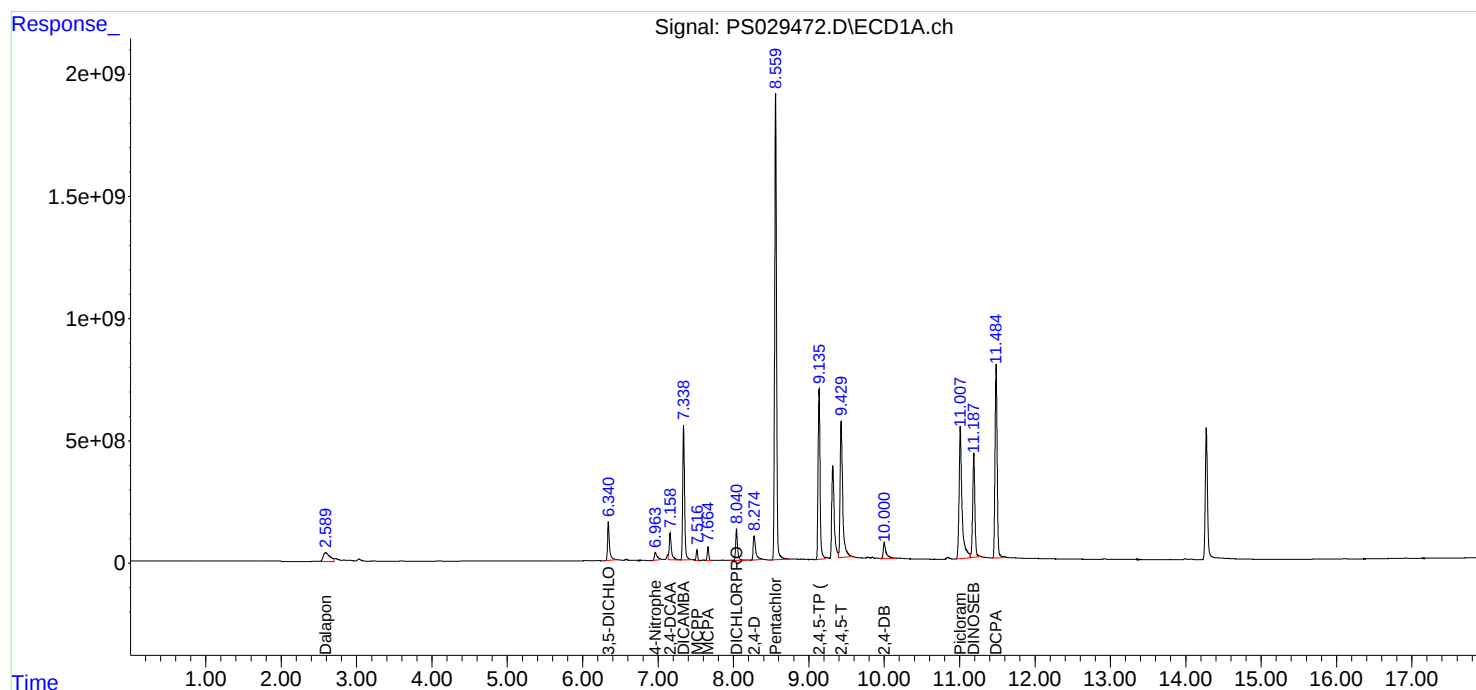
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

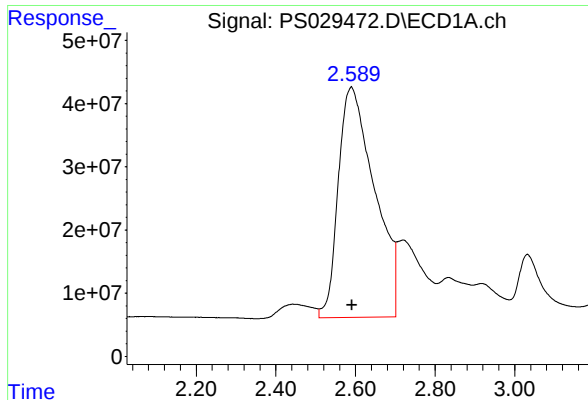
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029472.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 12:31
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 04:39:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:38:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

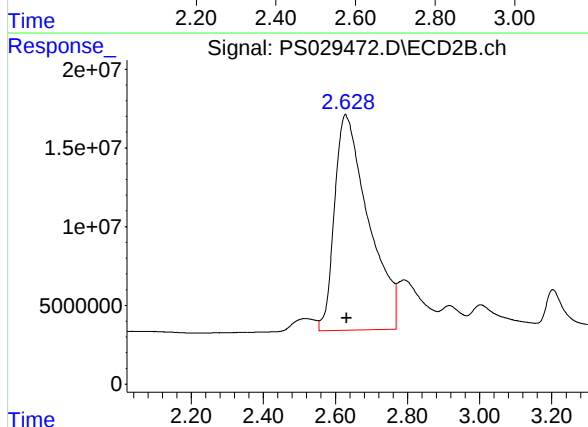




#1 Dalapon

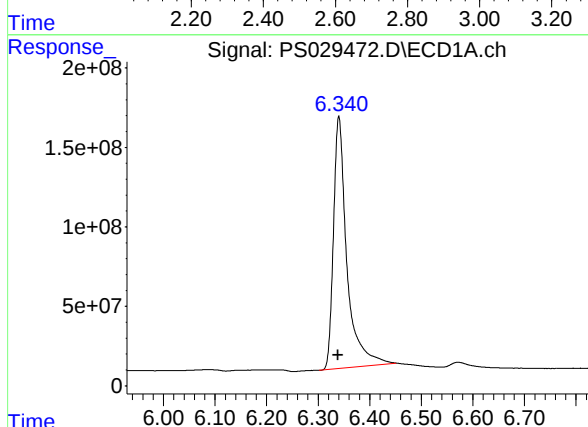
R.T.: 2.589 min
Delta R.T.: -0.002 min
Response: 2312391983
Conc: 389.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



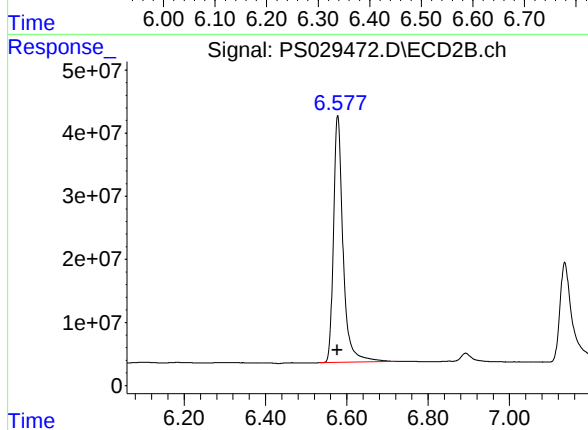
#1 Dalapon

R.T.: 2.628 min
Delta R.T.: -0.003 min
Response: 891453157
Conc: 469.44 ng/ml



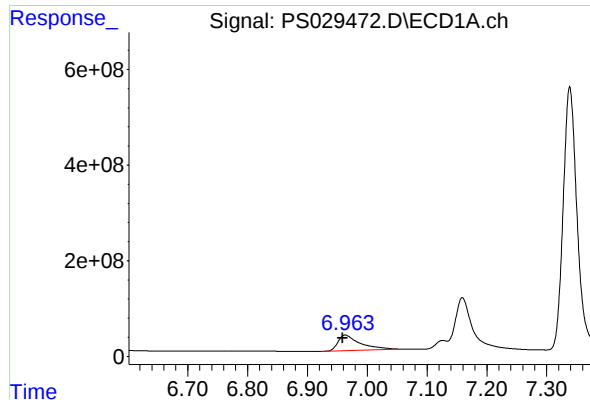
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.340 min
Delta R.T.: 0.002 min
Response: 2864994266
Conc: 488.18 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

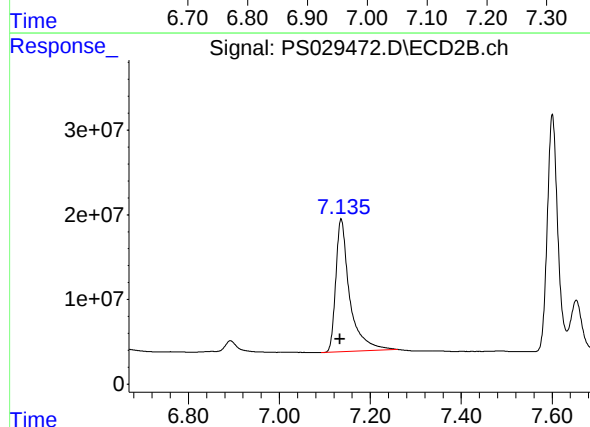
R.T.: 6.578 min
Delta R.T.: 0.000 min
Response: 639810806
Conc: 478.59 ng/ml



#3 4-Nitrophenol

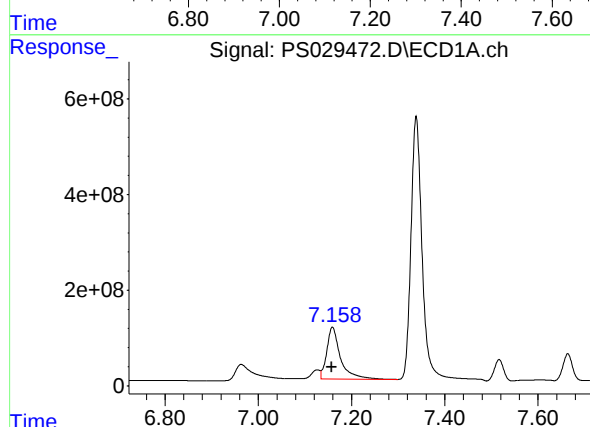
R.T.: 6.963 min
Delta R.T.: 0.004 min
Response: 817058955
Conc: 436.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



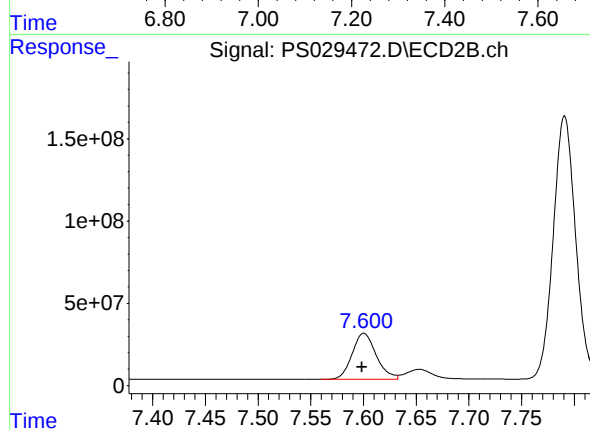
#3 4-Nitrophenol

R.T.: 7.136 min
Delta R.T.: 0.002 min
Response: 334530234
Conc: 462.75 ng/ml



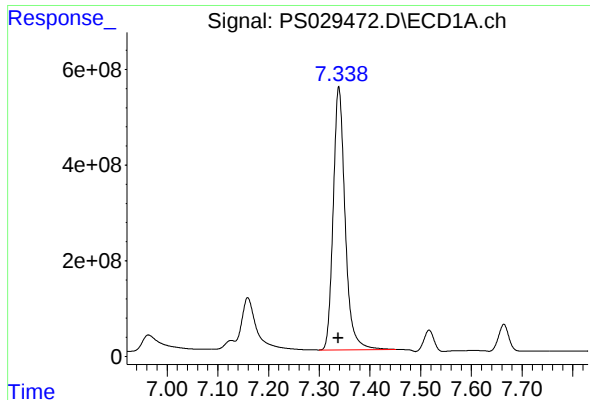
#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 2197236576
Conc: 525.30 ng/ml



#4 2,4-DCAA

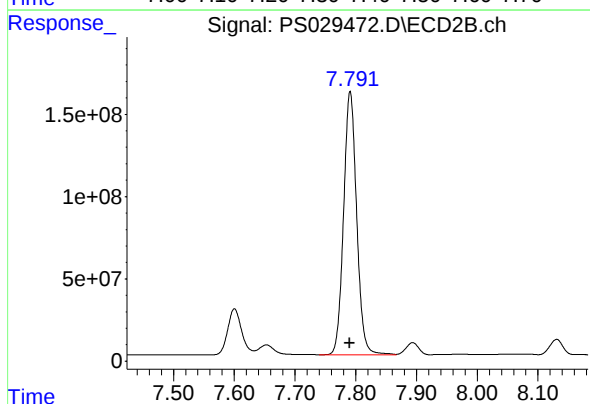
R.T.: 7.600 min
Delta R.T.: 0.002 min
Response: 444383240
Conc: 510.68 ng/ml



#5 DICAMBA

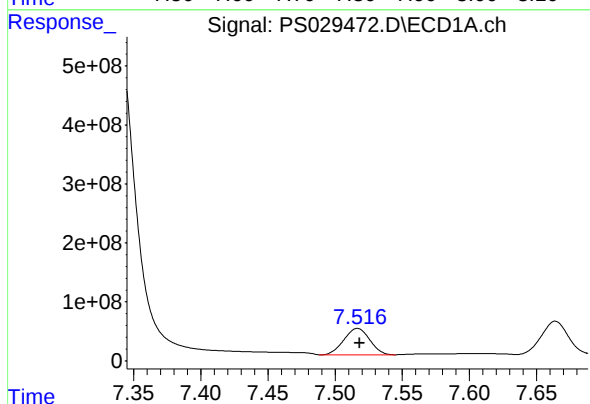
R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 8968275761
Conc: 493.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



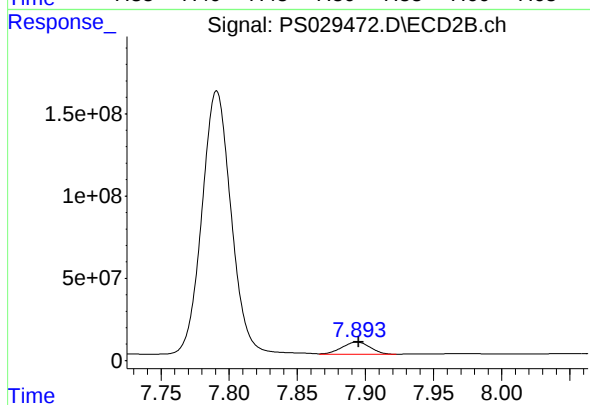
#5 DICAMBA

R.T.: 7.791 min
Delta R.T.: 0.000 min
Response: 2392153597
Conc: 468.70 ng/ml



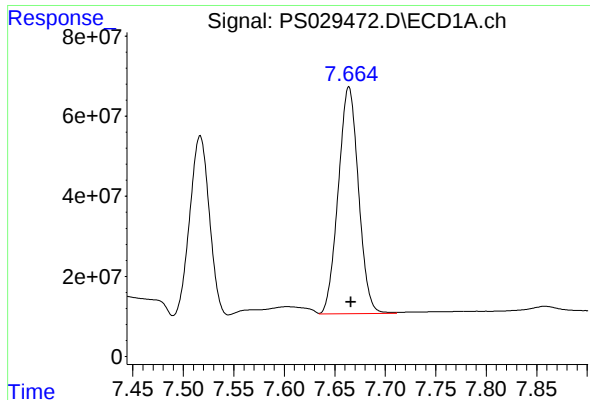
#6 MCPP

R.T.: 7.517 min
Delta R.T.: -0.002 min
Response: 596761236
Conc: 45.68 ug/ml



#6 MCPP

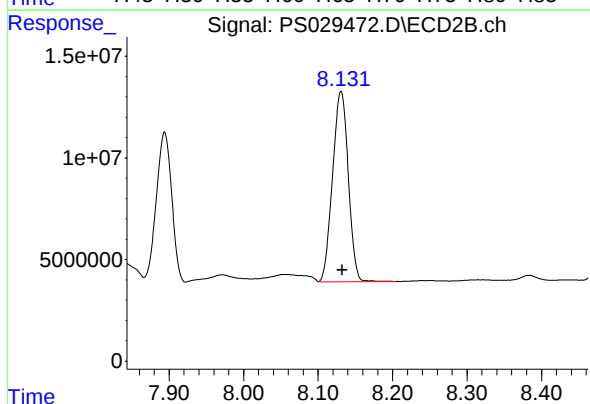
R.T.: 7.894 min
Delta R.T.: -0.001 min
Response: 105940510
Conc: 46.07 ug/ml



#7 MCPA

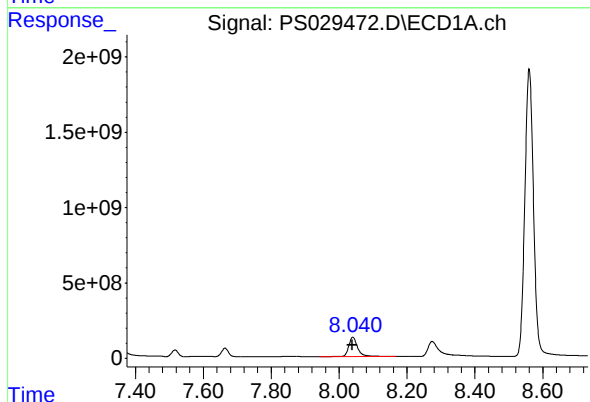
R.T.: 7.664 min
Delta R.T.: -0.002 min
Response: 790033221
Conc: 46.21 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



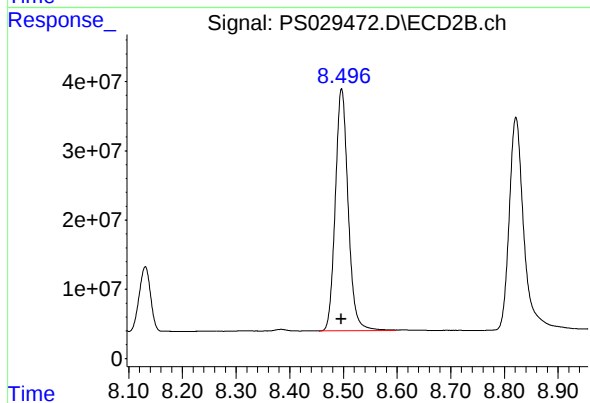
#7 MCPA

R.T.: 8.131 min
Delta R.T.: -0.002 min
Response: 137188978
Conc: 45.82 ug/ml



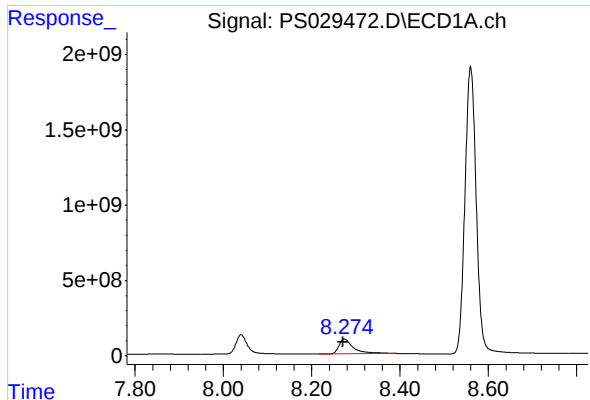
#8 DICHLORPROP

R.T.: 8.040 min
Delta R.T.: 0.002 min
Response: 2333656222
Conc: 499.30 ng/ml



#8 DICHLORPROP

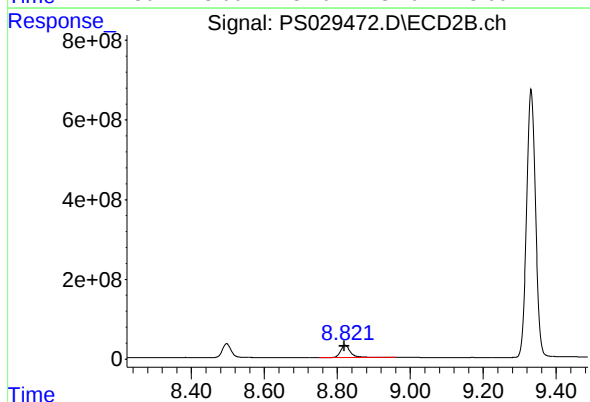
R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 583898023
Conc: 481.99 ng/ml



#9 2,4-D

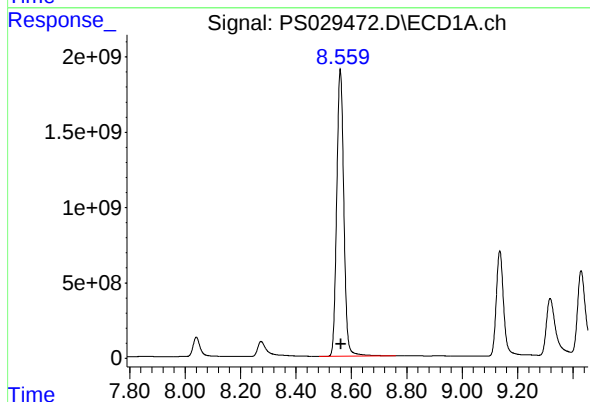
R.T.: 8.274 min
Delta R.T.: 0.003 min
Response: 2231628452
Conc: 485.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



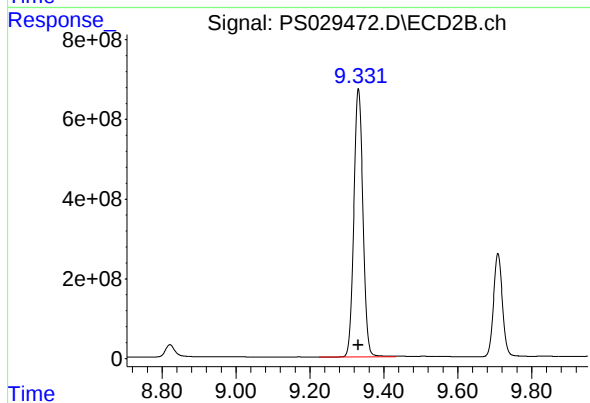
#9 2,4-D

R.T.: 8.821 min
Delta R.T.: 0.002 min
Response: 579559666
Conc: 482.84 ng/ml



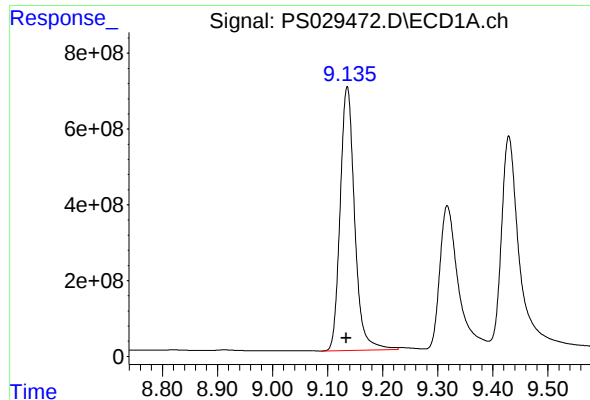
#10 Pentachlorophenol

R.T.: 8.560 min
Delta R.T.: -0.002 min
Response: 33885153499
Conc: 548.34 ng/ml



#10 Pentachlorophenol

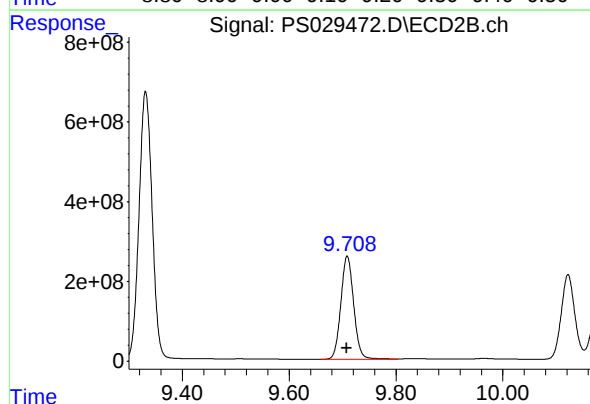
R.T.: 9.331 min
Delta R.T.: 0.000 min
Response: 11513699790
Conc: 489.69 ng/ml



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

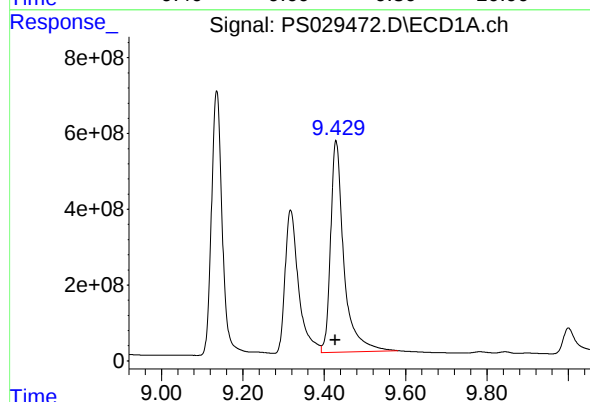
R.T.: 9.136 min
Delta R.T.: 0.001 min
Response: 12731498767
Conc: 505.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



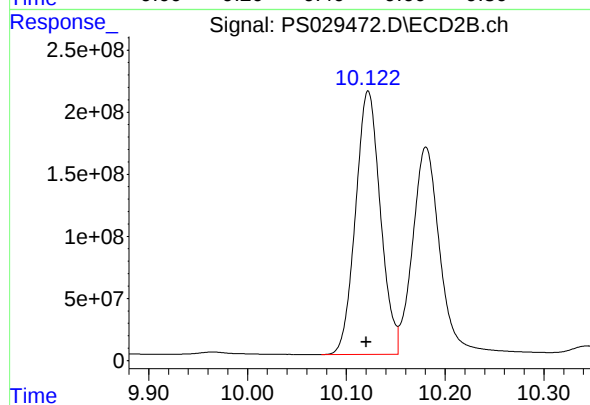
#11 2,4,5-TP (SILVEX)

R.T.: 9.709 min
Delta R.T.: 0.001 min
Response: 4344428975
Conc: 481.00 ng/ml



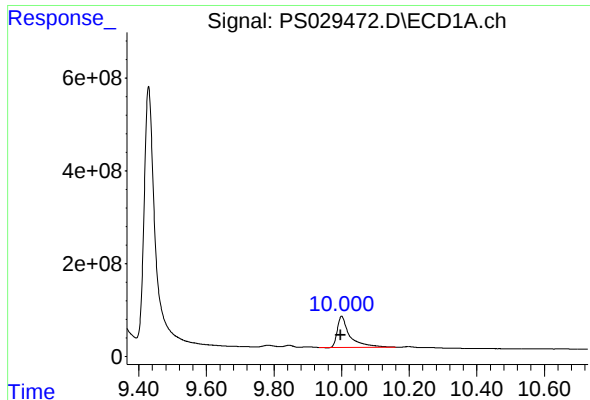
#12 2,4,5-T

R.T.: 9.429 min
Delta R.T.: 0.002 min
Response: 12682166583
Conc: 500.03 ng/ml



#12 2,4,5-T

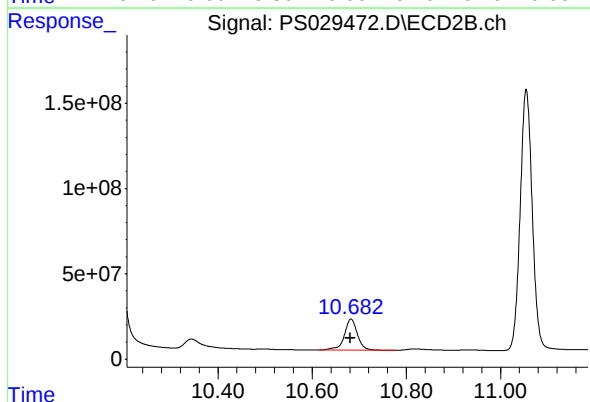
R.T.: 10.122 min
Delta R.T.: 0.002 min
Response: 3707711427
Conc: 474.40 ng/ml



#13 2,4-DB

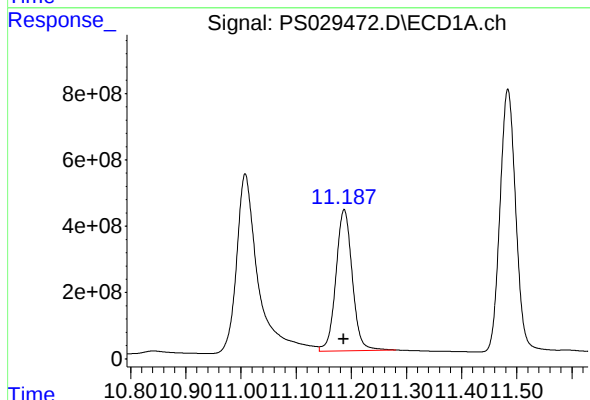
R.T.: 10.000 min
Delta R.T.: 0.003 min
Response: 1716010385
Conc: 463.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



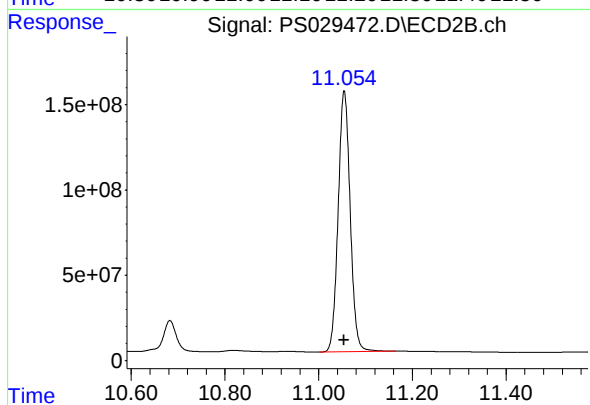
#13 2,4-DB

R.T.: 10.683 min
Delta R.T.: 0.001 min
Response: 354000343
Conc: 473.00 ng/ml



#14 DINOSEB

R.T.: 11.187 min
Delta R.T.: 0.000 min
Response: 8787042022
Conc: 500.35 ng/ml



#14 DINOSEB

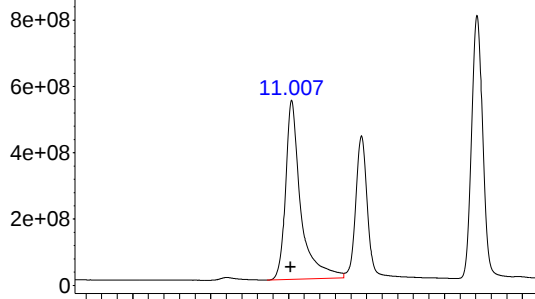
R.T.: 11.055 min
Delta R.T.: 0.000 min
Response: 2723880804
Conc: 475.72 ng/ml

Response_

Signal: PS029472.D\ECD1A.ch

#15 Picloram

ICAL Form



R.T.: 11.008 min
Delta R.T.: 0.002 min
Response: 14647882248
Conc: 482.48 ng/ml

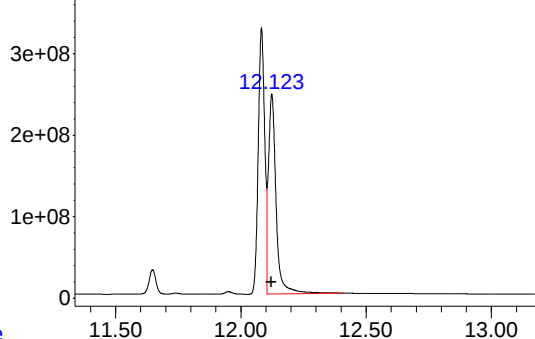
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Time

Response_

Signal: PS029472.D\ECD2B.ch

#15 Picloram



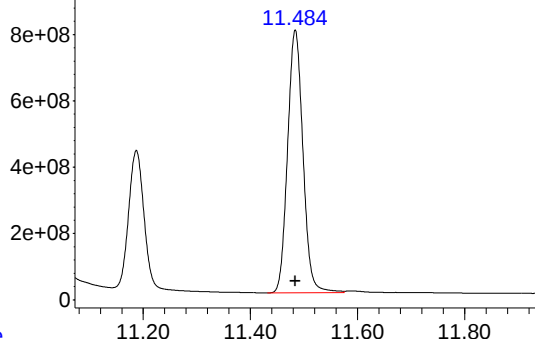
R.T.: 12.123 min
Delta R.T.: 0.002 min
Response: 5207219332
Conc: 460.57 ng/ml

Time

Response_

Signal: PS029472.D\ECD1A.ch

#16 DCPA



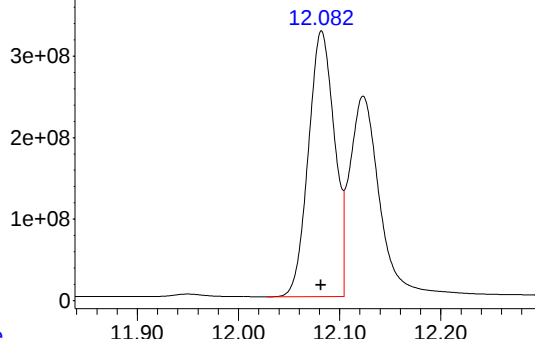
R.T.: 11.484 min
Delta R.T.: 0.000 min
Response: 15775744924
Conc: 514.21 ng/ml

Time

Response_

Signal: PS029472.D\ECD2B.ch

#16 DCPA



R.T.: 12.082 min
Delta R.T.: 0.000 min
Response: 5844028856
Conc: 484.36 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
 Data File : PS029473.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 12:55
 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: Mar 21 04:39:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:38:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.157	7.599	3137.1E6	652.6E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.591	2.631	4056.1E6	1296.0E6	682.500	682.500
2) T	3,5-DICHL...	6.339	6.577	4093.5E6	932.5E6	697.500	697.500
3) T	4-Nitroph...	6.959	7.133	1278.9E6	493.4E6	682.500	682.500
5) T	DICAMBA	7.338	7.790	12819.2E6	3598.2E6	705.000	705.000
6) T	MCP	7.518	7.895	921.0E6	162.1E6	70.500	70.500
7) T	MCPA	7.666	8.133	1192.6E6	208.8E6	69.750	69.750
8) T	DICHLORPROP	8.039	8.496	3295.1E6	854.1E6	705.000	705.000
9) T	2,4-D	8.271	8.820	3242.3E6	846.2E6	705.000	705.000
10) T	Pentachlo...	8.562	9.331	44029.5E6	16752.4E6	712.500	712.500
11) T	2,4,5-TP ...	9.134	9.708	17942.4E6	6435.4E6	712.500	712.500
12) T	2,4,5-T	9.427	10.120	18071.0E6	5568.6E6	712.500	712.500
13) T	2,4-DB	9.997	10.681	2636.9E6	533.2E6	712.500	712.500
14) T	DINOSEB	11.186	11.054	12381.0E6	4036.7E6	705.000	705.000
15) T	Picloram	11.005	12.122	21631.1E6	8055.6E6	712.500	712.500
16) T	DCPA	11.484	12.082	22089.3E6	8687.2E6	720.000	720.000

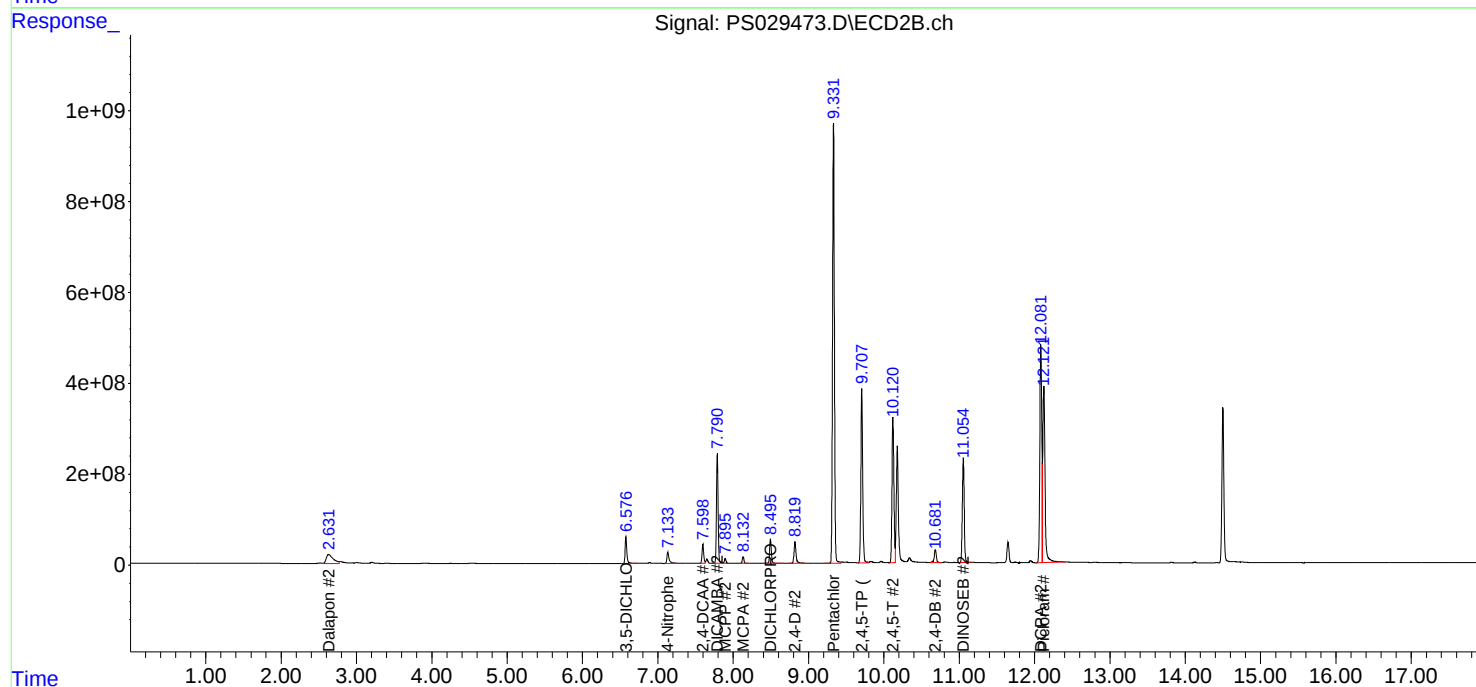
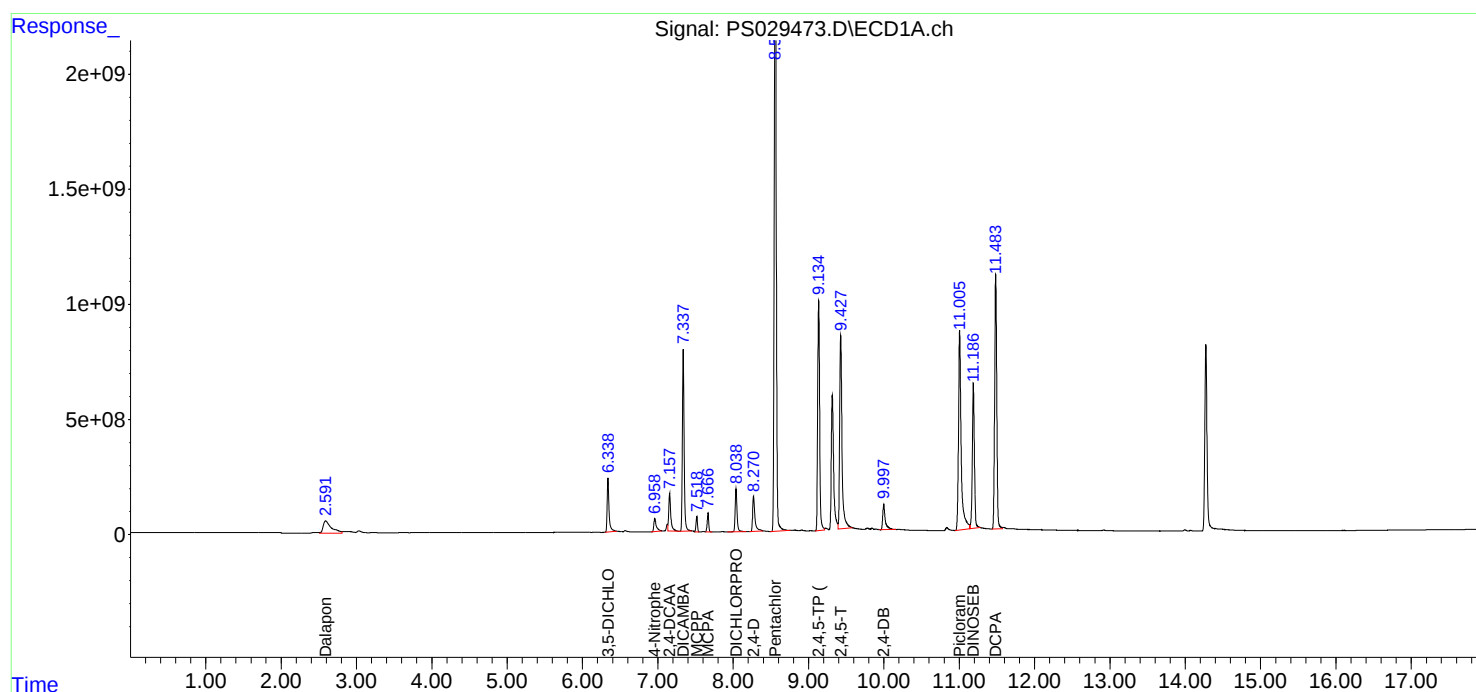
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

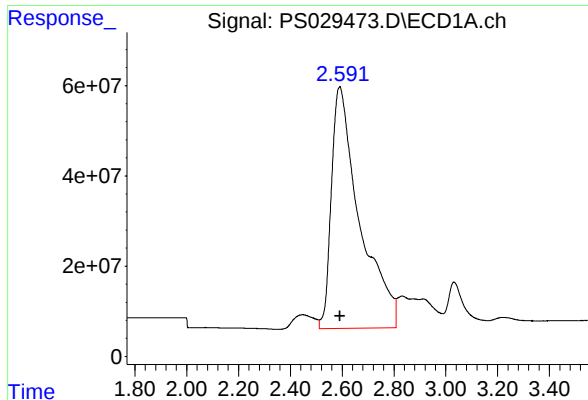
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029473.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 12:55
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 04:39:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:38:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

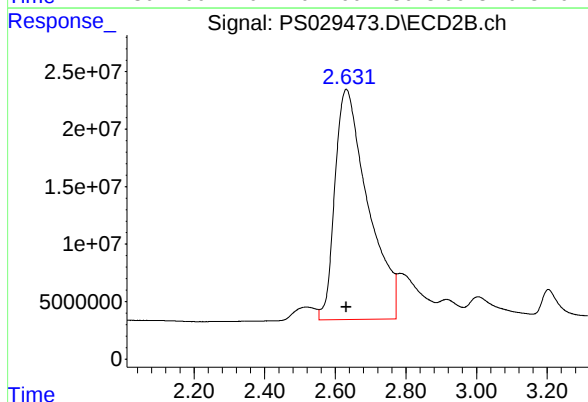




#1 Dalapon

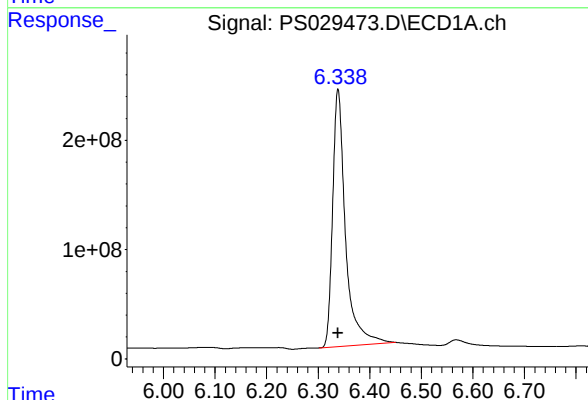
R.T.: 2.591 min
Delta R.T.: 0.000 min
Response: 4056073827
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



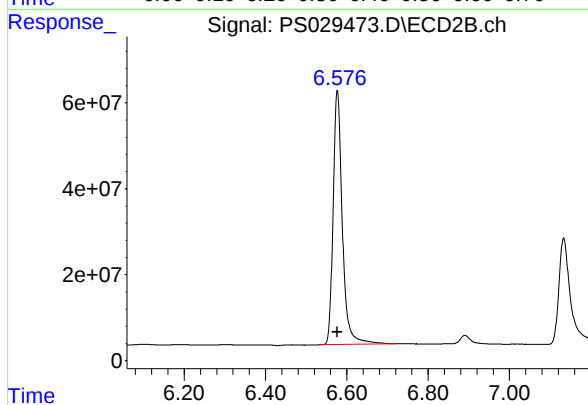
#1 Dalapon

R.T.: 2.631 min
Delta R.T.: 0.000 min
Response: 1296041359
Conc: 682.50 ng/ml



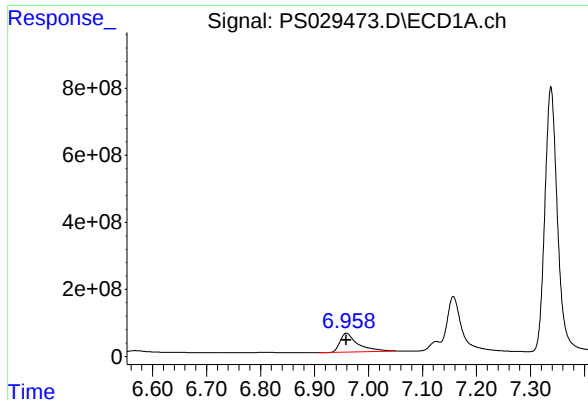
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 4093454933
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

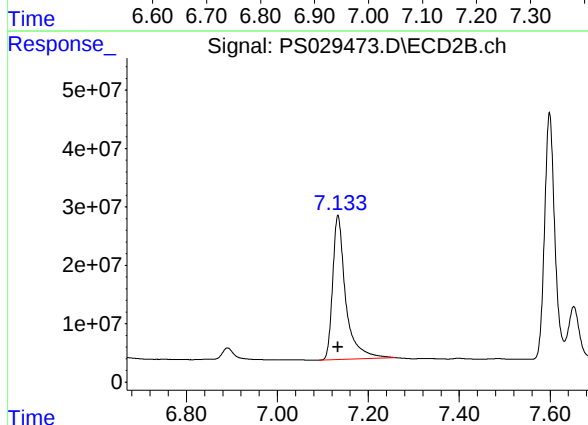
R.T.: 6.577 min
Delta R.T.: 0.000 min
Response: 932455570
Conc: 697.50 ng/ml



#3 4-Nitrophenol

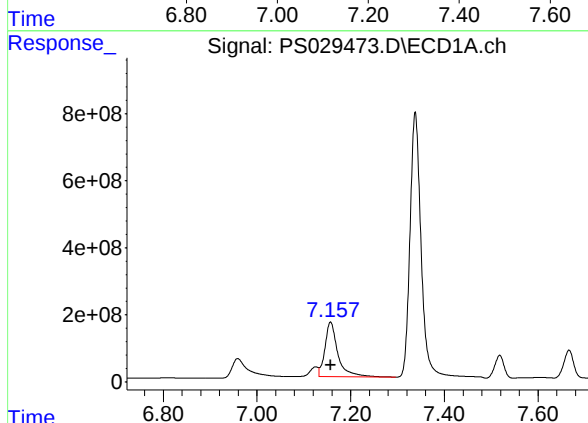
R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 1278868757
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



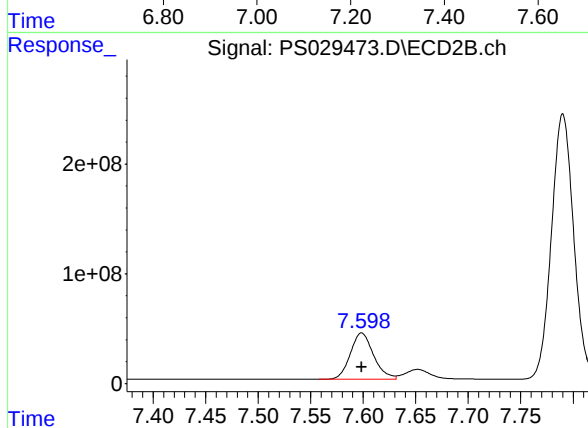
#3 4-Nitrophenol

R.T.: 7.133 min
Delta R.T.: 0.000 min
Response: 493388359
Conc: 682.50 ng/ml



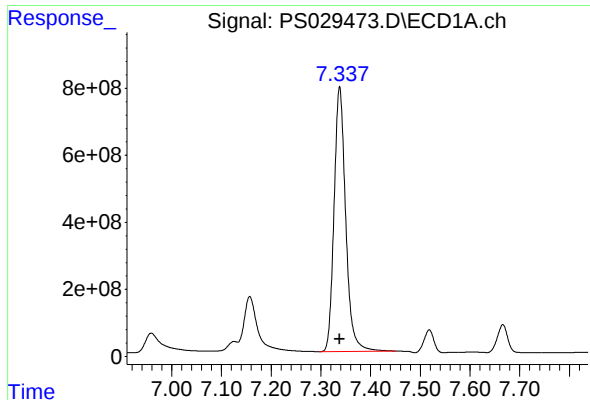
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 3137104227
Conc: 750.00 ng/ml



#4 2,4-DCAA

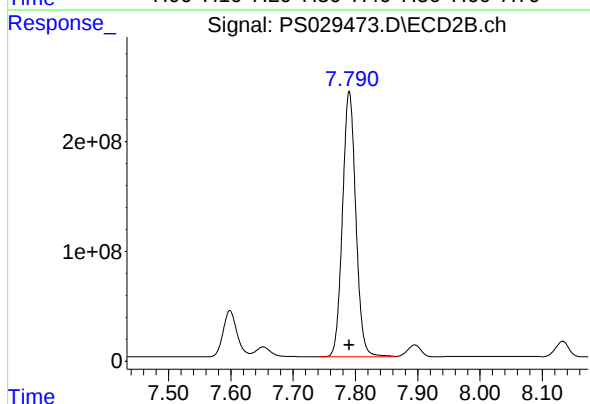
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 652634844
Conc: 750.00 ng/ml



#5 DICAMBA

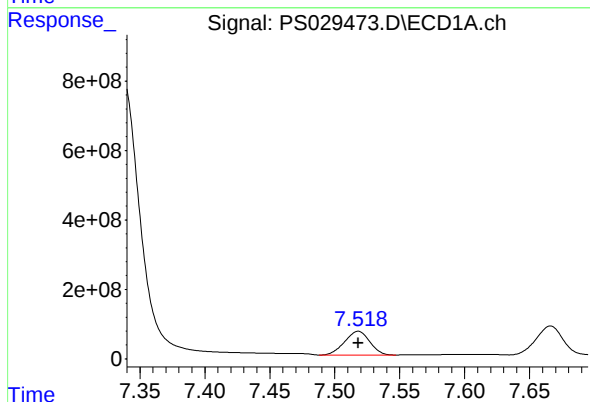
R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 12819180471
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



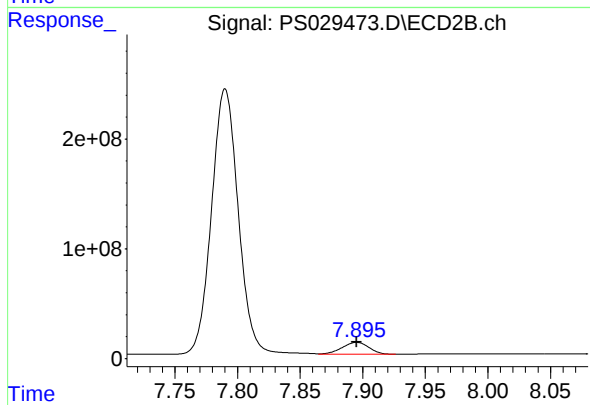
#5 DICAMBA

R.T.: 7.790 min
Delta R.T.: 0.000 min
Response: 3598152654
Conc: 705.00 ng/ml



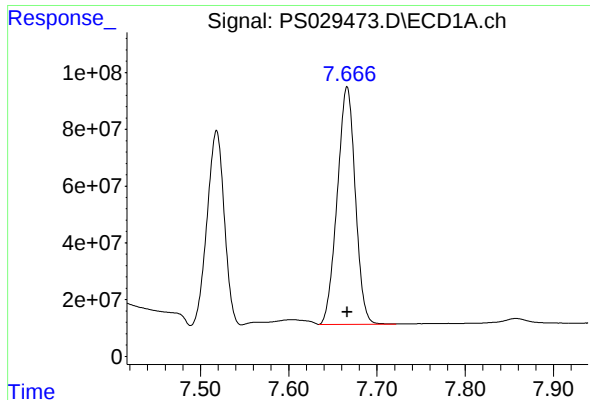
#6 MCPP

R.T.: 7.518 min
Delta R.T.: 0.000 min
Response: 921020895
Conc: 70.50 ug/ml



#6 MCPP

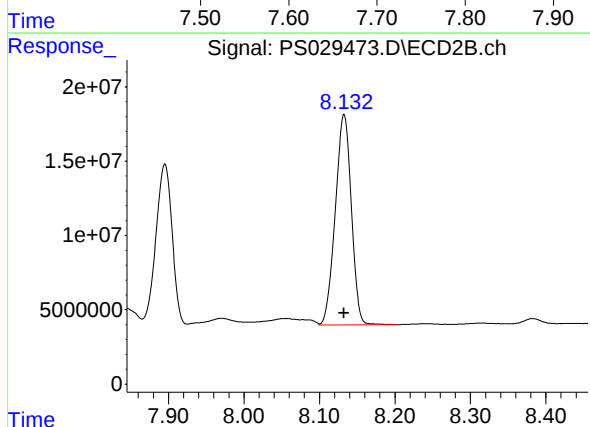
R.T.: 7.895 min
Delta R.T.: 0.000 min
Response: 162120557
Conc: 70.50 ug/ml



#7 MCPA

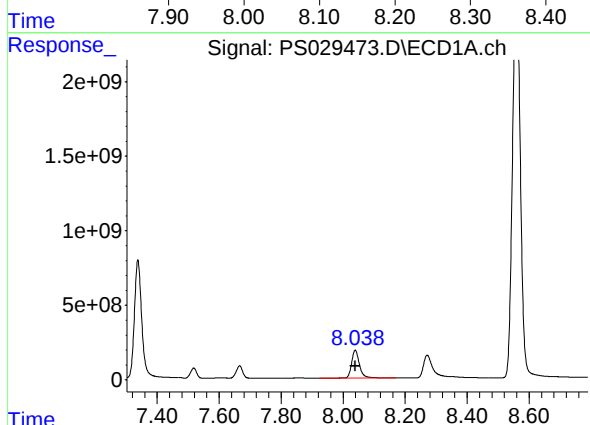
R.T.: 7.666 min
Delta R.T.: 0.000 min
Response: 1192606566
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



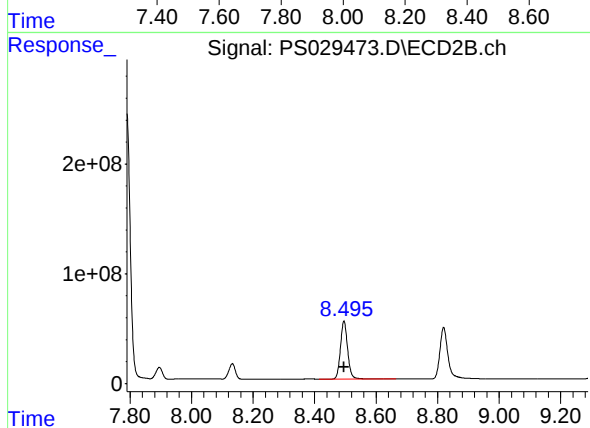
#7 MCPA

R.T.: 8.133 min
Delta R.T.: 0.000 min
Response: 208843573
Conc: 69.75 ug/ml



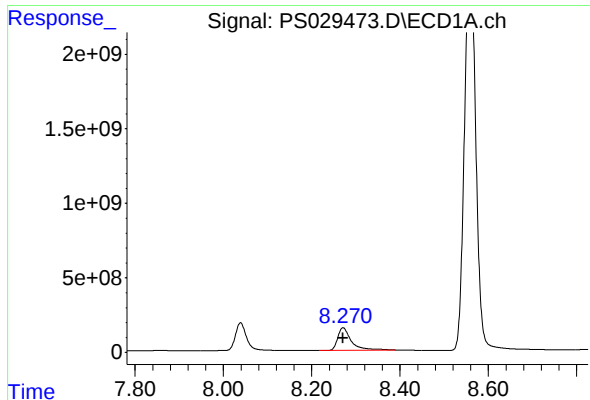
#8 DICHLORPROP

R.T.: 8.039 min
Delta R.T.: 0.000 min
Response: 3295084236
Conc: 705.00 ng/ml



#8 DICHLORPROP

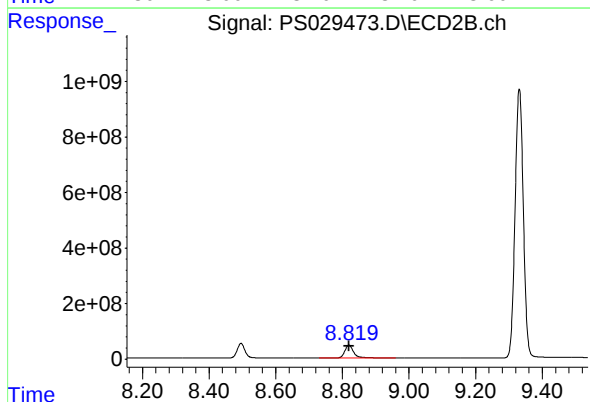
R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 854058062
Conc: 705.00 ng/ml



#9 2,4-D

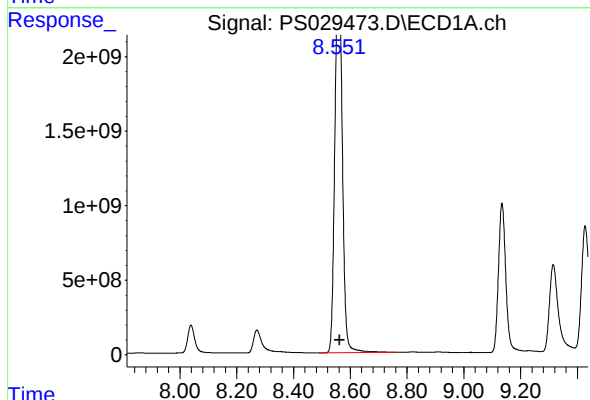
R.T.: 8.271 min
Delta R.T.: 0.000 min
Response: 3242252672
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



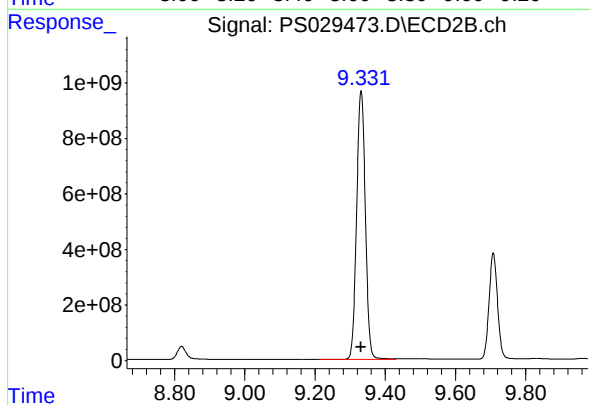
#9 2,4-D

R.T.: 8.820 min
Delta R.T.: 0.000 min
Response: 846216263
Conc: 705.00 ng/ml



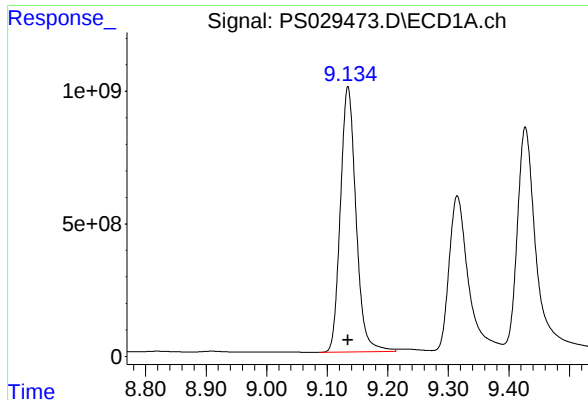
#10 Pentachlorophenol

R.T.: 8.562 min
Delta R.T.: 0.000 min
Response: 44029494520
Conc: 712.50 ng/ml



#10 Pentachlorophenol

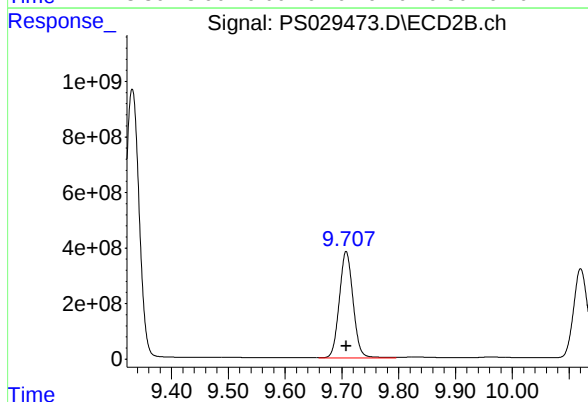
R.T.: 9.331 min
Delta R.T.: 0.000 min
Response: 16752446780
Conc: 712.50 ng/ml



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

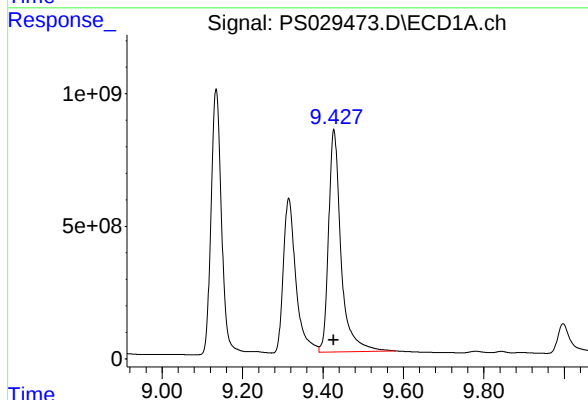
R.T.: 9.134 min
Delta R.T.: 0.000 min
Response: 17942379736
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



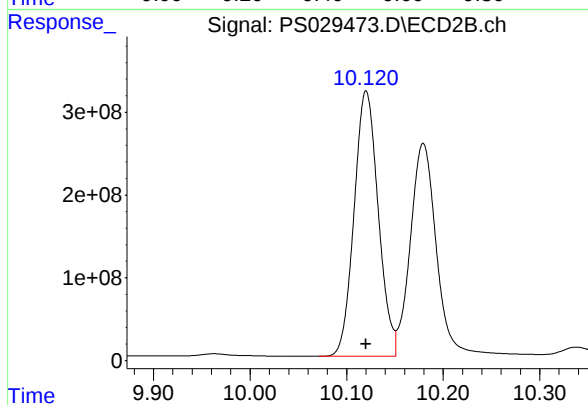
#11 2,4,5-TP (SILVEX)

R.T.: 9.708 min
Delta R.T.: 0.000 min
Response: 6435400173
Conc: 712.50 ng/ml



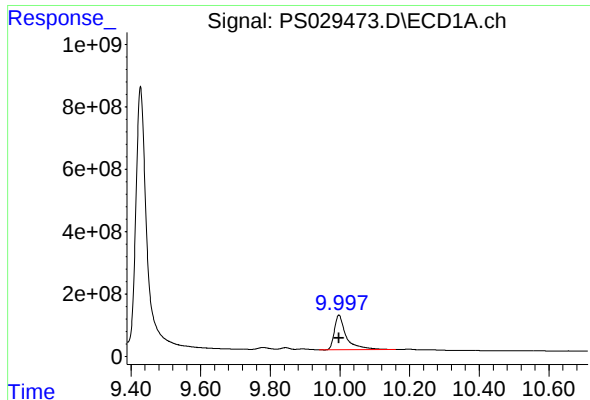
#12 2,4,5-T

R.T.: 9.427 min
Delta R.T.: 0.000 min
Response: 18070974945
Conc: 712.50 ng/ml



#12 2,4,5-T

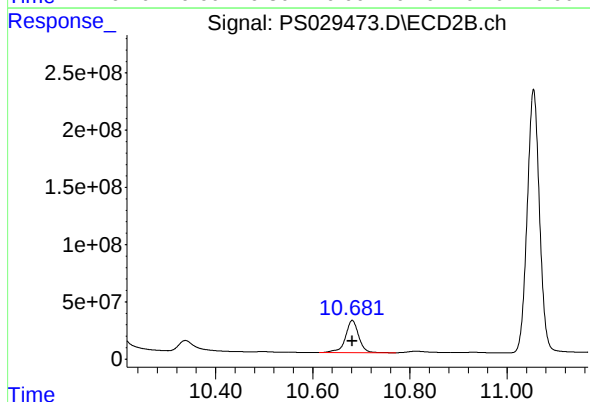
R.T.: 10.120 min
Delta R.T.: 0.000 min
Response: 5568603323
Conc: 712.50 ng/ml



#13 2,4-DB

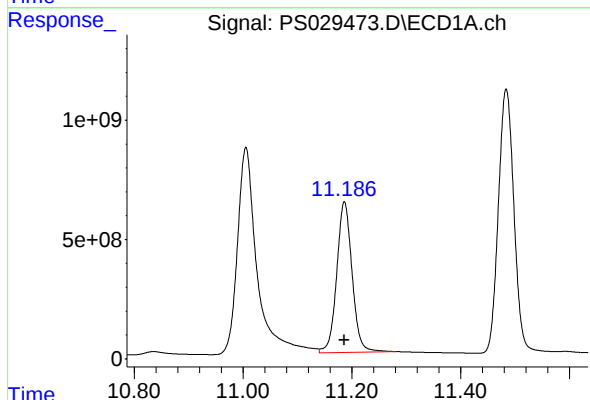
R.T.: 9.997 min
Delta R.T.: 0.000 min
Response: 2636859079
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



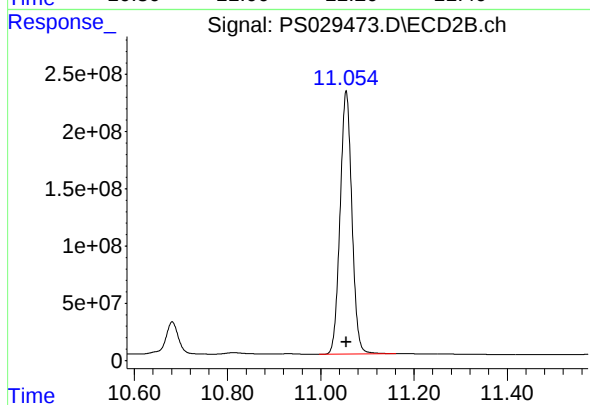
#13 2,4-DB

R.T.: 10.681 min
Delta R.T.: 0.000 min
Response: 533249276
Conc: 712.50 ng/ml



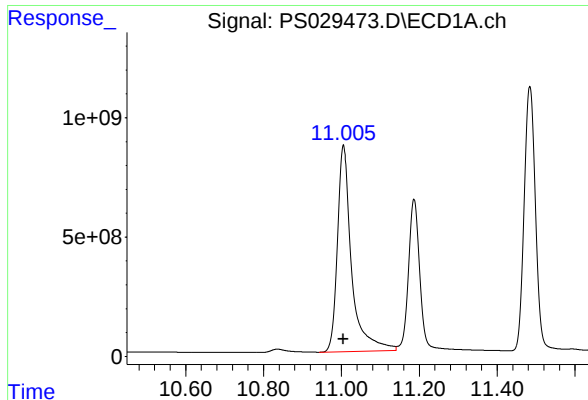
#14 DINOSEB

R.T.: 11.186 min
Delta R.T.: 0.000 min
Response: 12380959156
Conc: 705.00 ng/ml



#14 DINOSEB

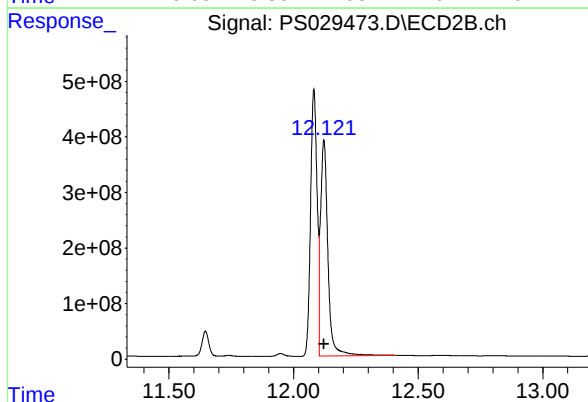
R.T.: 11.054 min
Delta R.T.: 0.000 min
Response: 4036703666
Conc: 705.00 ng/ml



#15 Picloram

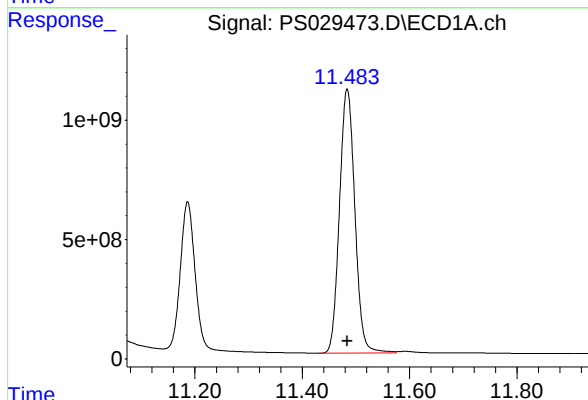
R.T.: 11.005 min
Delta R.T.: 0.000 min
Response: 21631130598
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



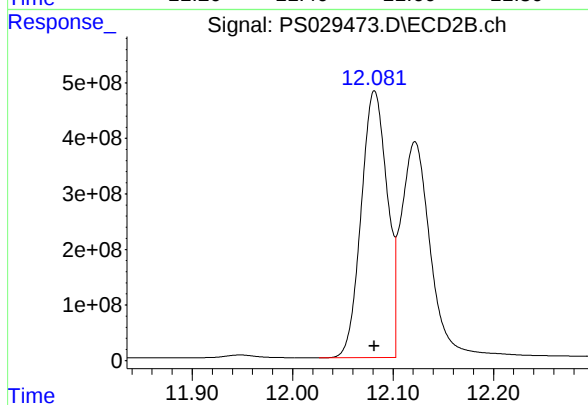
#15 Picloram

R.T.: 12.122 min
Delta R.T.: 0.000 min
Response: 8055603608
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.484 min
Delta R.T.: 0.000 min
Response: 22089341103
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.082 min
Delta R.T.: 0.000 min
Response: 8687212459
Conc: 720.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
 Data File : PS029474.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 13:19
 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: Mar 21 04:40:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:38:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.157	7.599	4052.8E6	856.6E6	968.925	984.422
Target Compounds							
1) T	Dalapon	2.588	2.630	5237.3E6	1934.8E6	881.268	1018.882
2) T	3,5-DICHL...	6.338	6.576	5286.8E6	1220.4E6	900.845	912.869
3) T	4-Nitroph...	6.957	7.133	1702.9E6	643.1E6	908.771	889.591
5) T	DICAMBA	7.338	7.790	16482.7E6	4803.8E6	906.477	941.235
6) T	MCPD	7.521	7.897	1243.6E6	218.3E6	95.193	94.947
7) T	MCPA	7.669	8.135	1595.2E6	278.7E6	93.294	93.091
8) T	DICHLORPROP	8.039	8.496	4209.6E6	1119.2E6	900.670	923.854
9) T	2,4-D	8.271	8.819	4177.4E6	1109.7E6	908.339	924.515
10) T	Pentachlo...	8.567	9.331	49508.6E6	21731.0E6	801.165	924.244
11) T	2,4,5-TP ...	9.135	9.708	22805.9E6	8454.8E6	905.634	936.078
12) T	2,4,5-T	9.427	10.120	23070.4E6	7350.2E6	909.618	940.460
13) T	2,4-DB	9.997	10.681	3426.0E6	707.1E6	925.738	944.774
14) T	DINOSEB	11.187	11.054	15955.0E6	5397.4E6	908.516	942.637
15) T	Picloram	11.004	12.121	28191.4E6	10806.2E6	928.588	955.784
16) T	DCPA	11.485	12.082	27807.3E6	11344.8E6	906.378	940.261

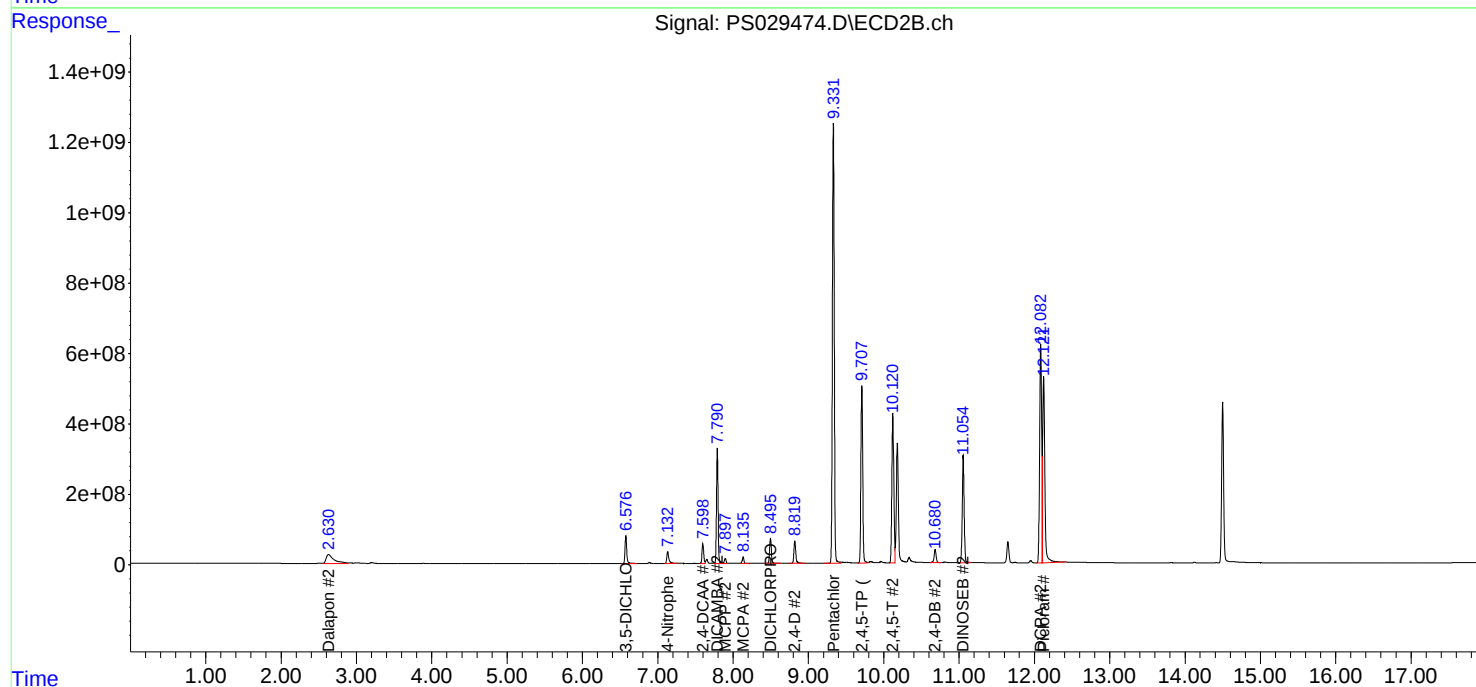
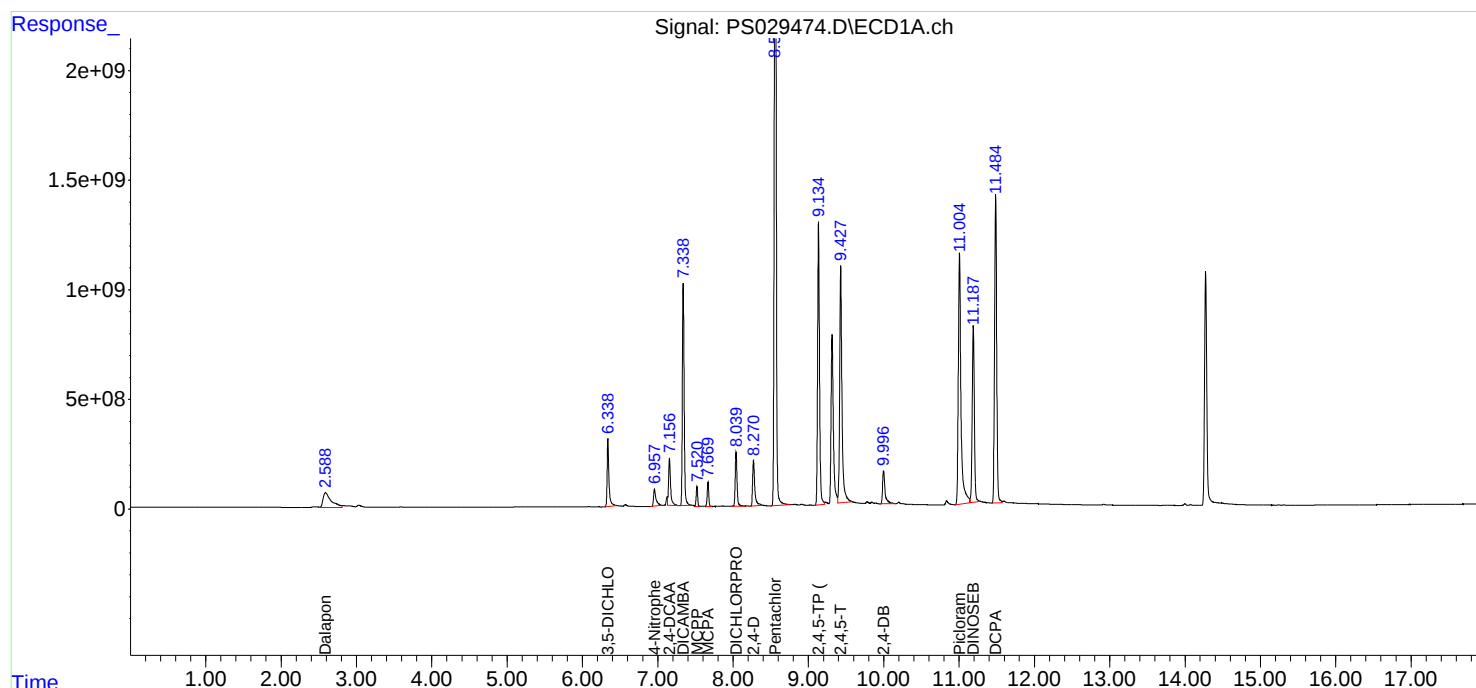
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

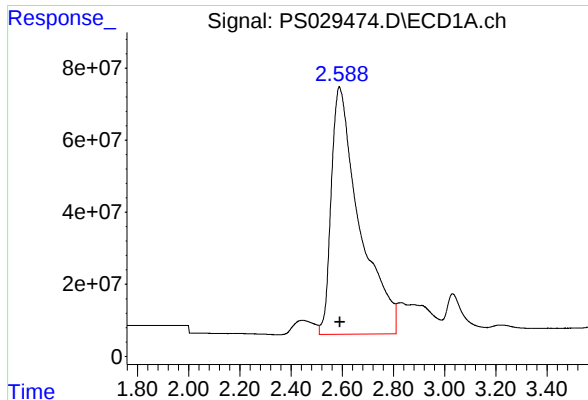
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 13:19
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 04:40:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:38:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

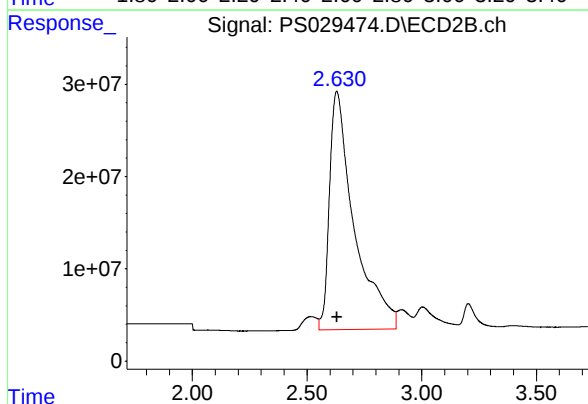




#1 Dalapon

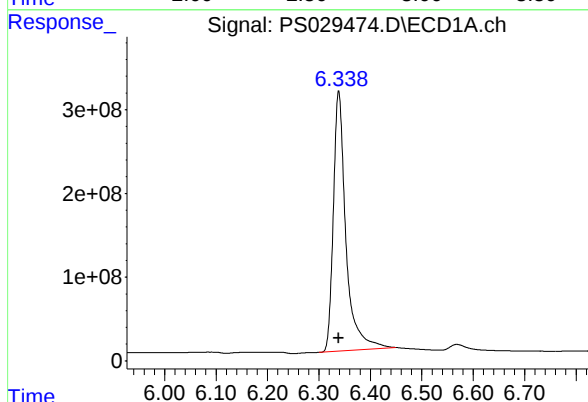
R.T.: 2.588 min
Delta R.T.: -0.003 min
Response: 5237344850
Conc: 881.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



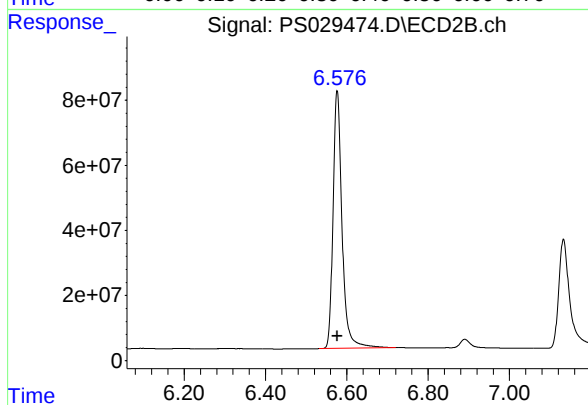
#1 Dalapon

R.T.: 2.630 min
Delta R.T.: -0.002 min
Response: 1934818297
Conc: 1018.88 ng/ml



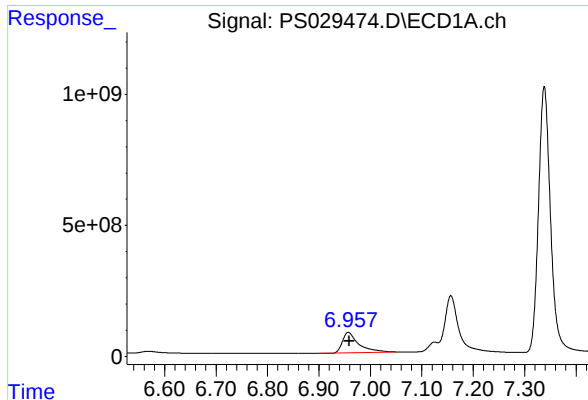
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 5286839320
Conc: 900.85 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

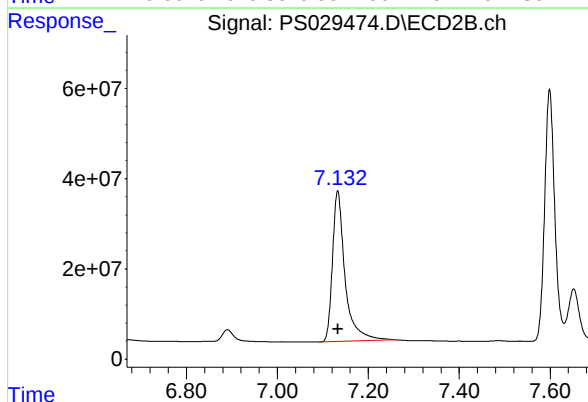
R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 1220372668
Conc: 912.87 ng/ml



#3 4-Nitrophenol

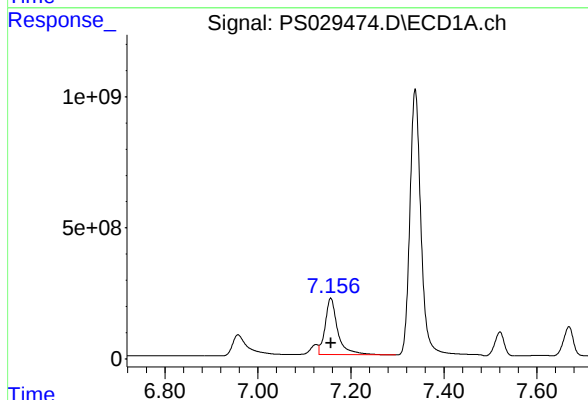
R.T.: 6.957 min
Delta R.T.: -0.002 min
Response: 1702854975
Conc: 908.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



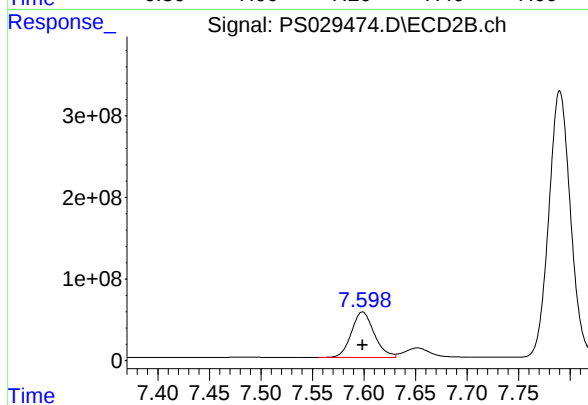
#3 4-Nitrophenol

R.T.: 7.133 min
Delta R.T.: 0.000 min
Response: 643097407
Conc: 889.59 ng/ml



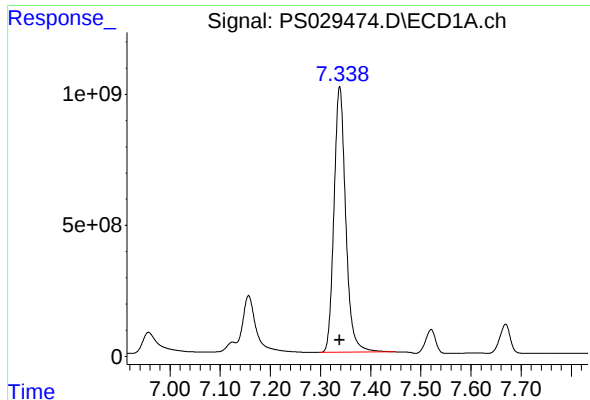
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 4052826480
Conc: 968.93 ng/ml



#4 2,4-DCAA

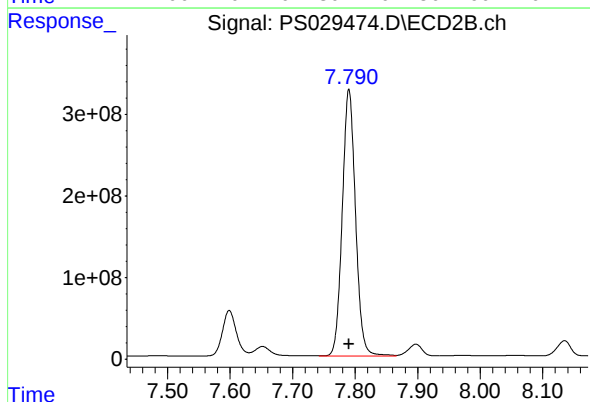
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 856624220
Conc: 984.42 ng/ml



#5 DICAMBA

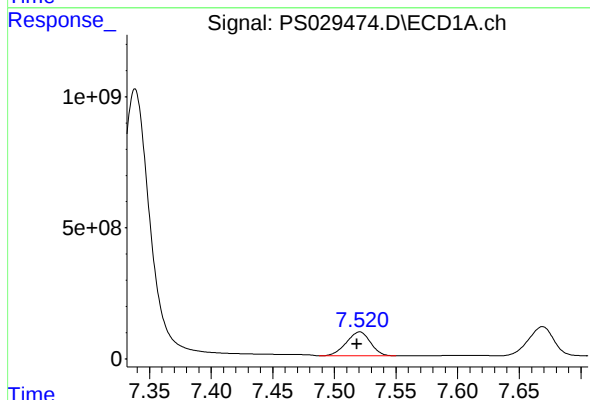
R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 16482677285
Conc: 906.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



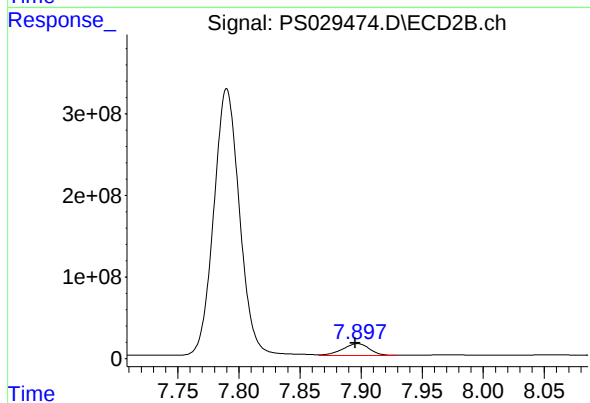
#5 DICAMBA

R.T.: 7.790 min
Delta R.T.: 0.000 min
Response: 4803841076
Conc: 941.24 ng/ml



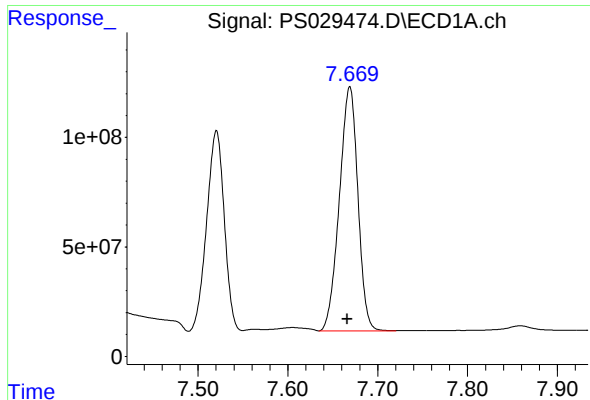
#6 MCPP

R.T.: 7.521 min
Delta R.T.: 0.002 min
Response: 1243616514
Conc: 95.19 ug/ml



#6 MCPP

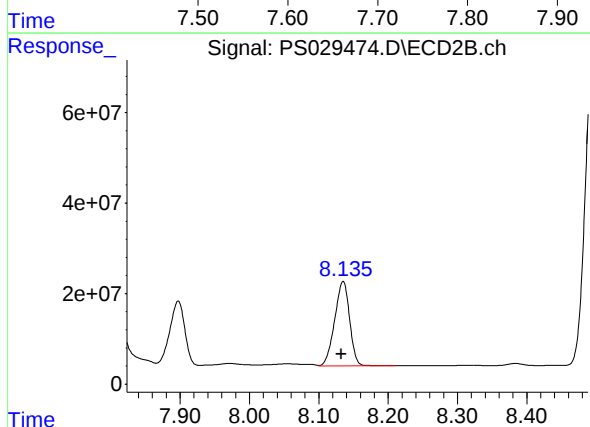
R.T.: 7.897 min
Delta R.T.: 0.002 min
Response: 218337364
Conc: 94.95 ug/ml



#7 MCPA

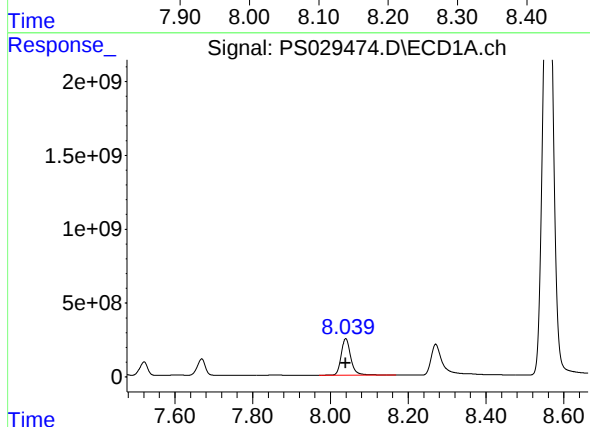
R.T.: 7.669 min
Delta R.T.: 0.003 min
Response: 1595167733
Conc: 93.29 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



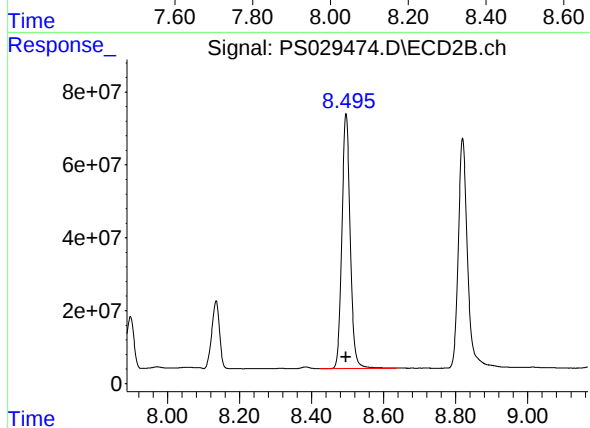
#7 MCPA

R.T.: 8.135 min
Delta R.T.: 0.003 min
Response: 278729777
Conc: 93.09 ug/ml



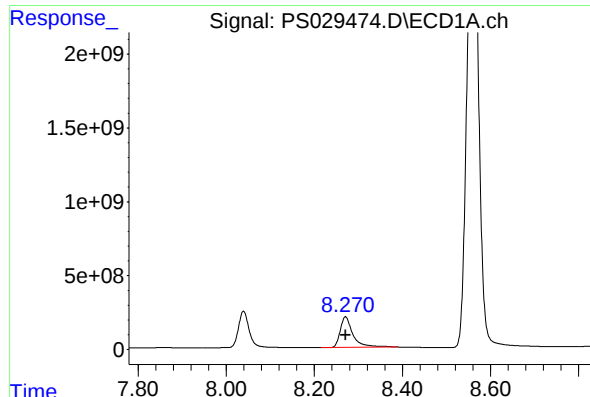
#8 DICHLORPROP

R.T.: 8.039 min
Delta R.T.: 0.000 min
Response: 4209619901
Conc: 900.67 ng/ml



#8 DICHLORPROP

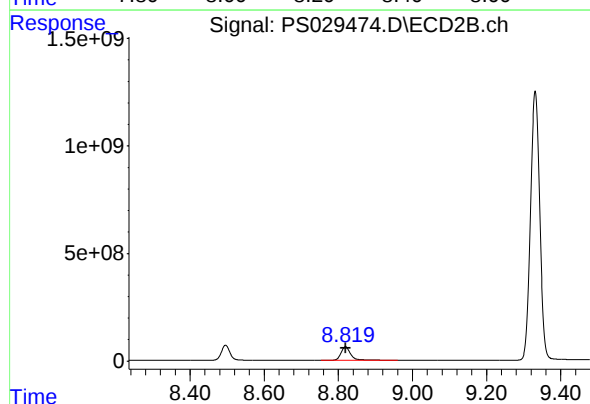
R.T.: 8.495 min
Delta R.T.: 0.000 min
Response: 1119184285
Conc: 923.85 ng/ml



#9 2,4-D

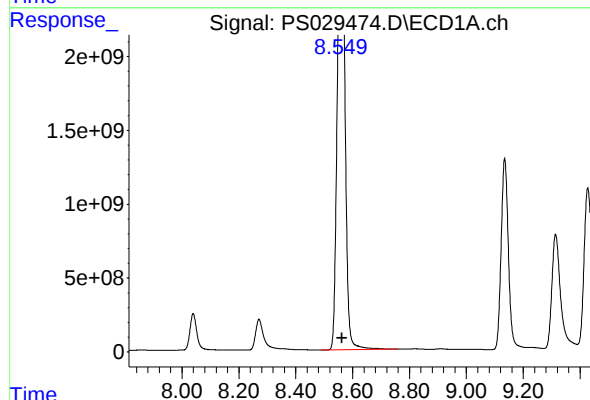
R.T.: 8.271 min
Delta R.T.: 0.000 min
Response: 4177395270
Conc: 908.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



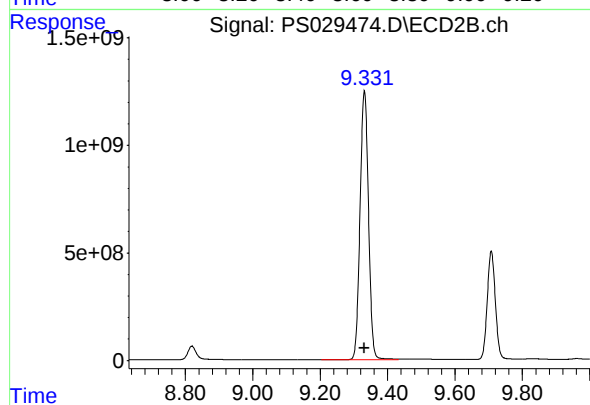
#9 2,4-D

R.T.: 8.819 min
Delta R.T.: 0.000 min
Response: 1109701247
Conc: 924.51 ng/ml



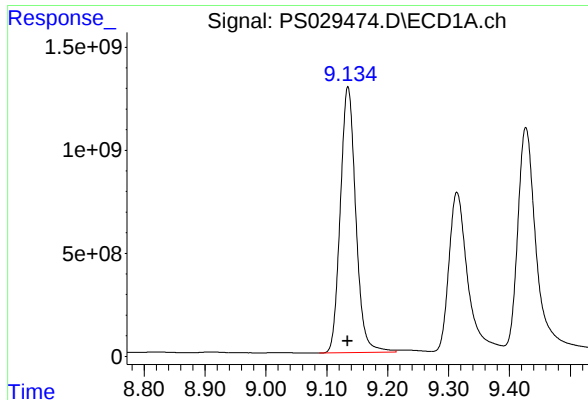
#10 Pentachlorophenol

R.T.: 8.567 min
Delta R.T.: 0.005 min
Response: 49508618985
Conc: 801.17 ng/ml



#10 Pentachlorophenol

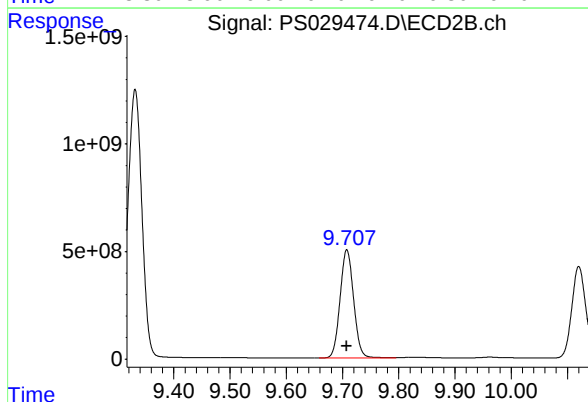
R.T.: 9.331 min
Delta R.T.: 0.000 min
Response: 21731013827
Conc: 924.24 ng/ml



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

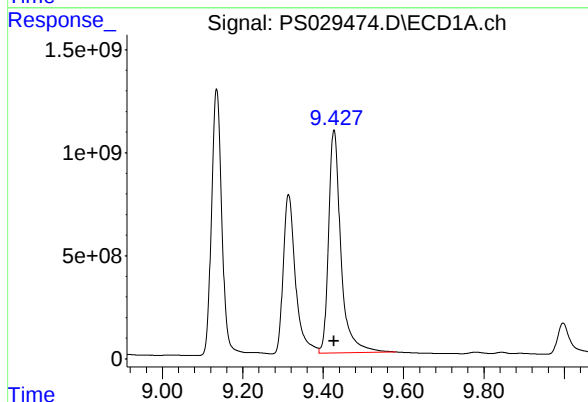
R.T.: 9.135 min
Delta R.T.: 0.000 min
Response: 22805938881
Conc: 905.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



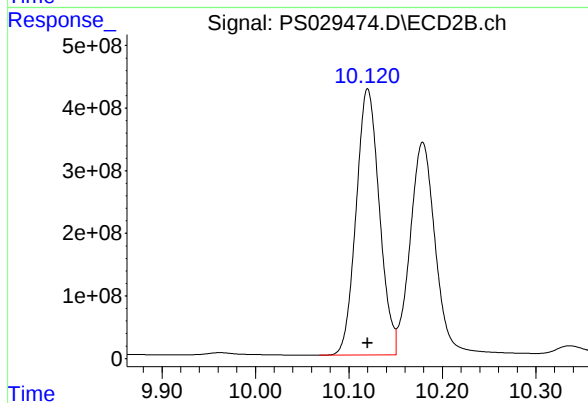
#11 2,4,5-TP (SILVEX)

R.T.: 9.708 min
Delta R.T.: 0.000 min
Response: 8454790028
Conc: 936.08 ng/ml



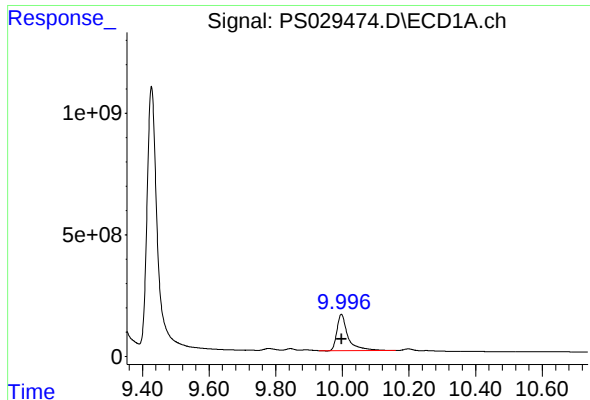
#12 2,4,5-T

R.T.: 9.427 min
Delta R.T.: 0.000 min
Response: 23070421557
Conc: 909.62 ng/ml



#12 2,4,5-T

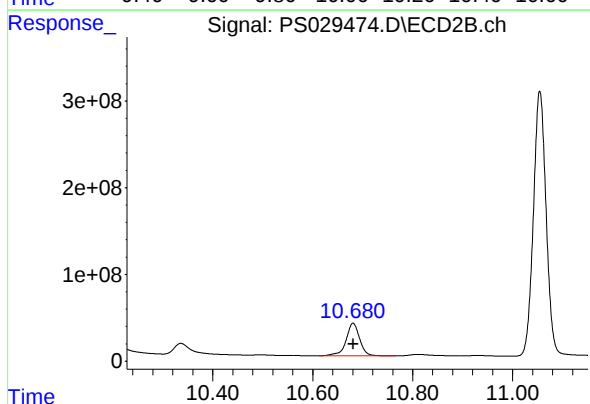
R.T.: 10.120 min
Delta R.T.: 0.000 min
Response: 7350241437
Conc: 940.46 ng/ml



#13 2,4-DB

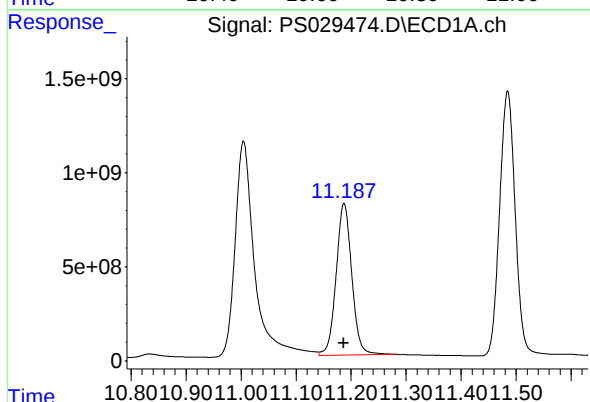
R.T.: 9.997 min
Delta R.T.: 0.000 min
Response: 3426023208
Conc: 925.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



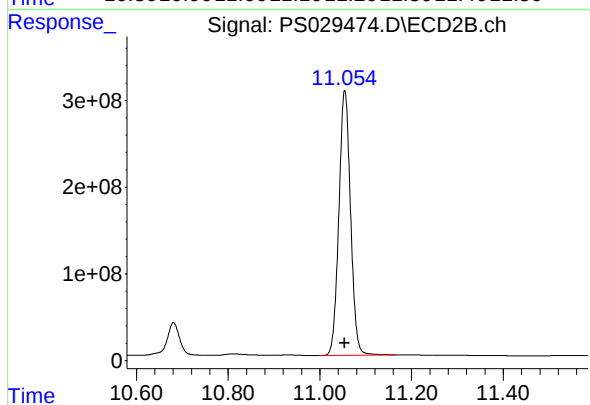
#13 2,4-DB

R.T.: 10.681 min
Delta R.T.: 0.000 min
Response: 707087618
Conc: 944.77 ng/ml



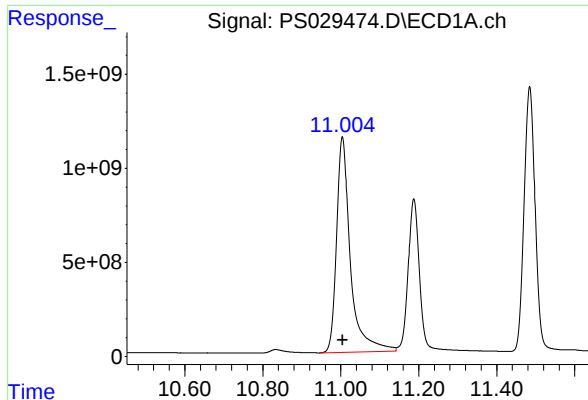
#14 DINOSEB

R.T.: 11.187 min
Delta R.T.: 0.000 min
Response: 15955032060
Conc: 908.52 ng/ml



#14 DINOSEB

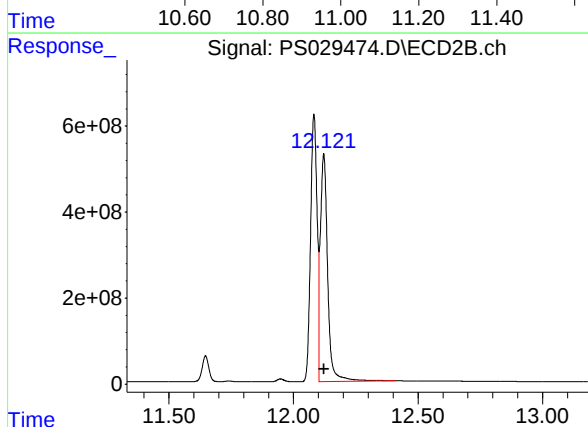
R.T.: 11.054 min
Delta R.T.: 0.000 min
Response: 5397368487
Conc: 942.64 ng/ml



#15 Picloram

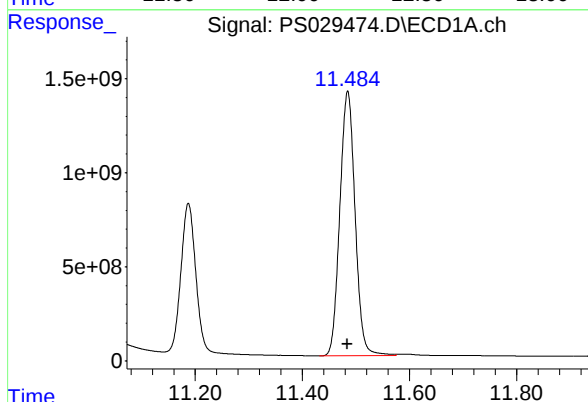
R.T.: 11.004 min
Delta R.T.: -0.001 min
Response: 28191439612
Conc: 928.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



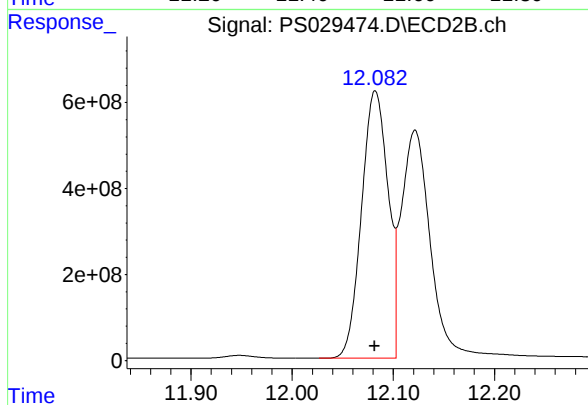
#15 Picloram

R.T.: 12.121 min
Delta R.T.: 0.000 min
Response: 10806195514
Conc: 955.78 ng/ml



#16 DCPA

R.T.: 11.485 min
Delta R.T.: 0.000 min
Response: 27807348978
Conc: 906.38 ng/ml



#16 DCPA

R.T.: 12.082 min
Delta R.T.: 0.000 min
Response: 11344787118
Conc: 940.26 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
 Data File : PS029475.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 13:43
 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: Mar 21 04:41:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:38:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.157	7.599	5883.0E6	1293.6E6	1406.469	1486.573
Target Compounds							
1) T	Dalapon	2.589	2.630	7722.4E6	2851.0E6	1299.424	1501.373
2) T	3,5-DICHL...	6.338	6.576	7754.6E6	1823.9E6	1321.335	1364.350
3) T	4-Nitroph...	6.955	7.132	2733.3E6	975.5E6	1458.694	1349.343
5) T	DICAMBA	7.339	7.791	23873.6E6	7329.5E6	1312.948	1436.095
6) T	MCP	7.525	7.902	1946.1E6	333.9E6	148.965	145.193
7) T	MCPA	7.674	8.140	2470.4E6	427.2E6	144.480	142.687
8) T	DICHLORPROP	8.039	8.496	6137.8E6	1687.4E6	1313.211	1392.899
9) T	2,4-D	8.269	8.819	6067.5E6	1676.6E6	1319.319	1396.842
10) T	Pentachlo...	8.571	9.332	55916.6E6	31554.1E6	904.862	1342.030 #
11) T	2,4,5-TP ...	9.135	9.709	32545.0E6	12623.7E6	1292.376	1397.645
12) T	2,4,5-T	9.426	10.120	33181.5E6	11142.9E6	1308.277	1425.730
13) T	2,4-DB	9.995	10.681	5275.3E6	1100.1E6	1425.423	1469.909
14) T	DINOSEB	11.188	11.055	23119.9E6	8212.0E6	1316.502	1434.211
15) T	Picloram	11.002	12.121	42216.7E6	16746.9E6	1390.562	1481.224
16) T	DCPA	11.485	12.083	39328.4E6	16944.5E6	1281.905	1404.364

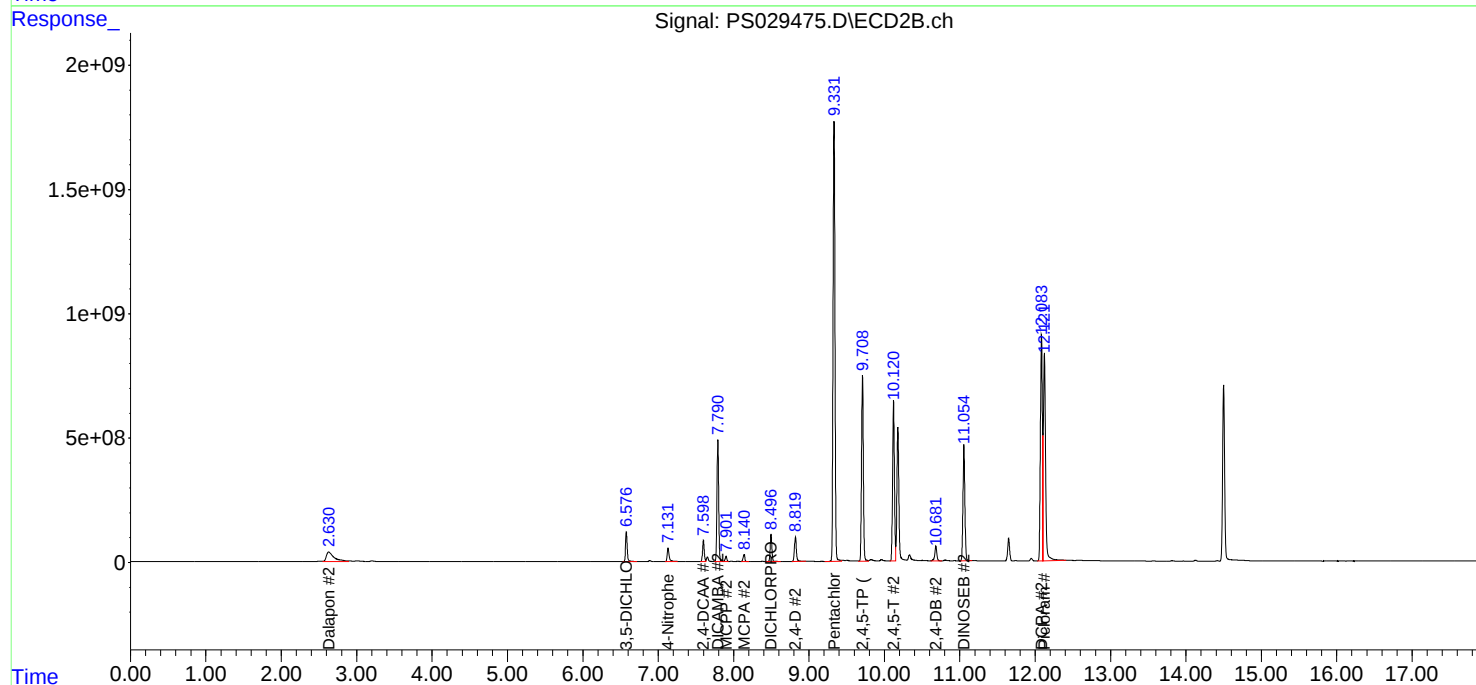
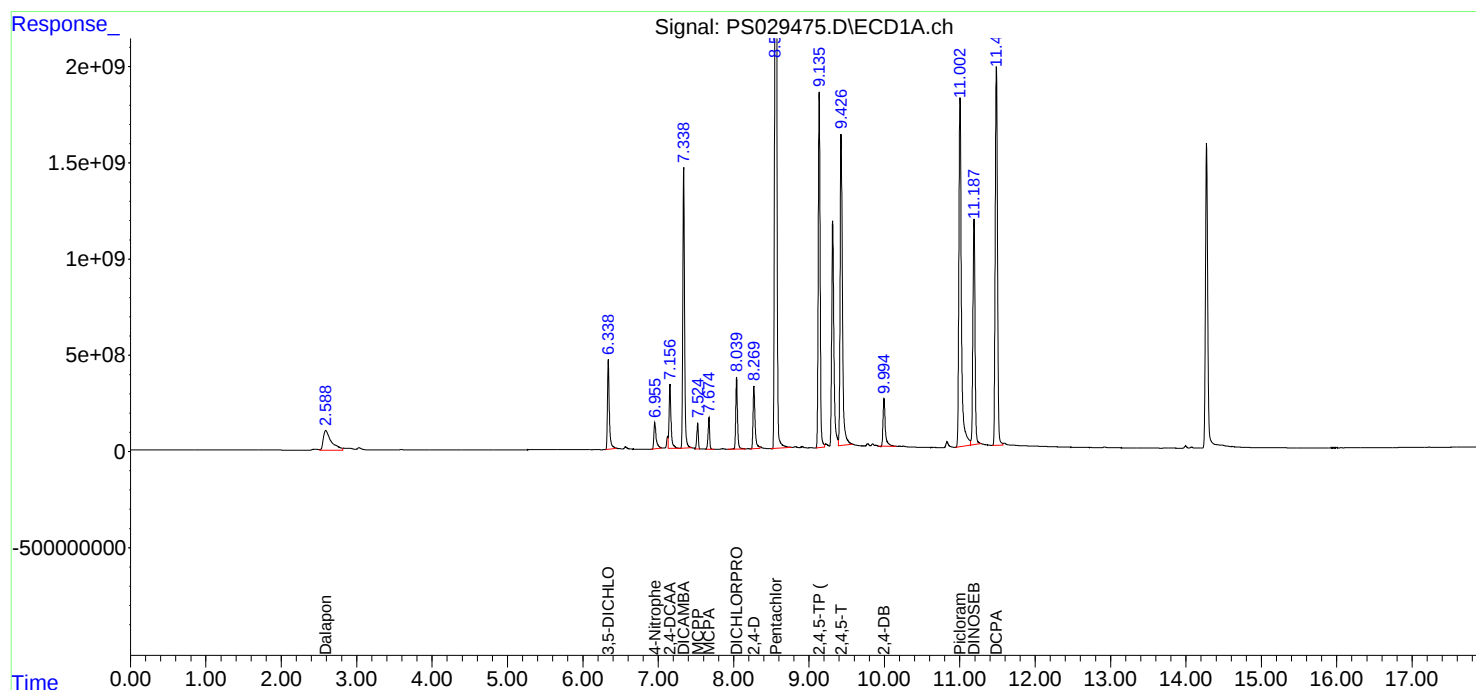
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

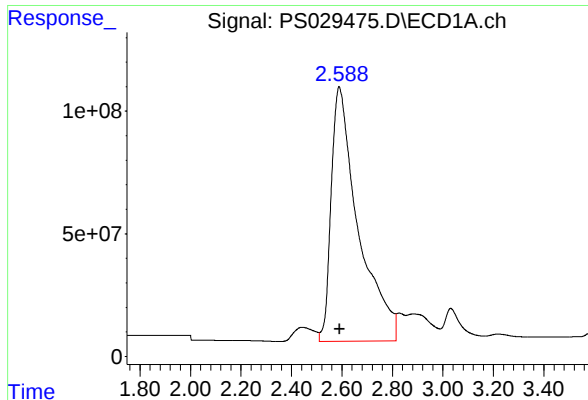
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 13:43
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 04:41:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:38:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

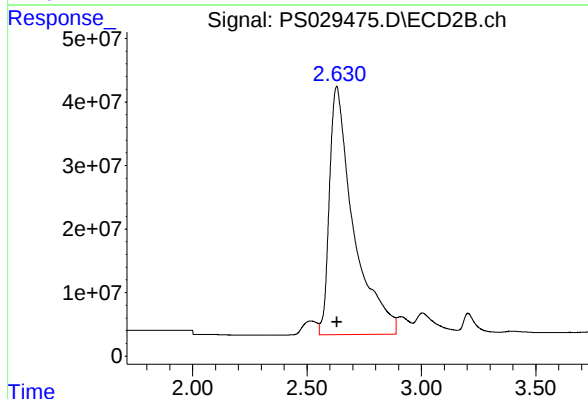




#1 Dalapon

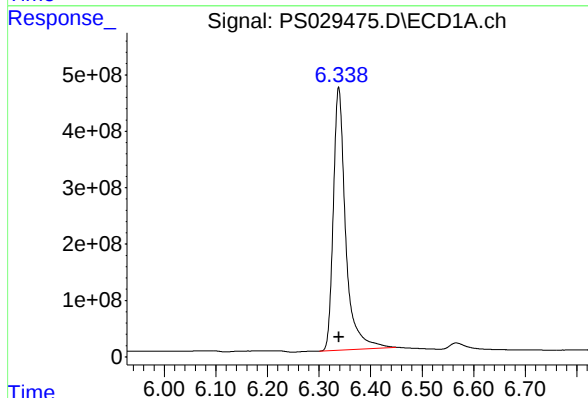
R.T.: 2.589 min
Delta R.T.: -0.002 min
Response: 7722434192
Conc: 1299.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



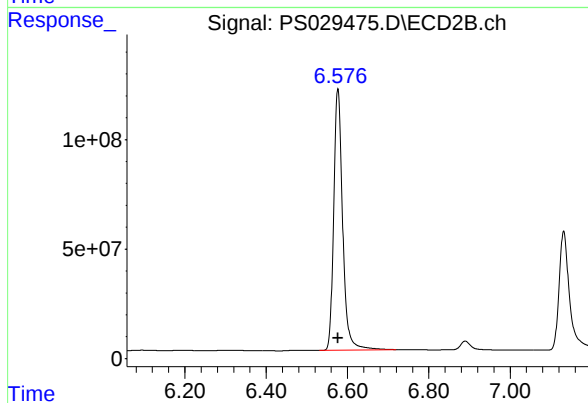
#1 Dalapon

R.T.: 2.630 min
Delta R.T.: 0.000 min
Response: 2851049216
Conc: 1501.37 ng/ml



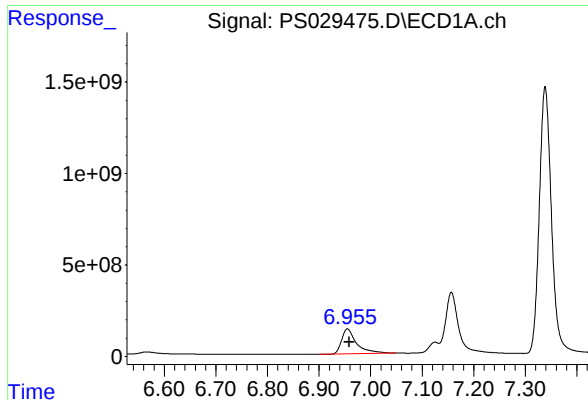
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 7754586516
Conc: 1321.33 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

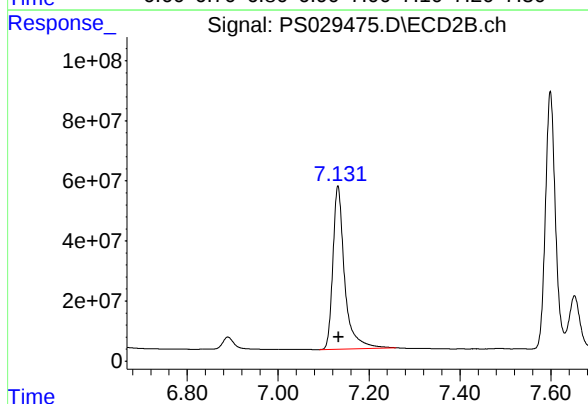
R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 1823936714
Conc: 1364.35 ng/ml



#3 4-Nitrophenol

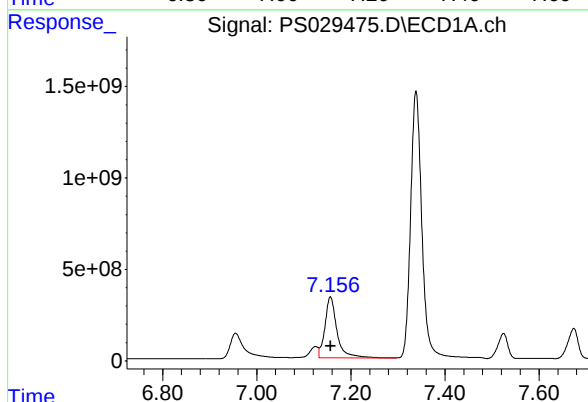
R.T.: 6.955 min
Delta R.T.: -0.004 min
Response: 2733302082
Conc: 1458.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



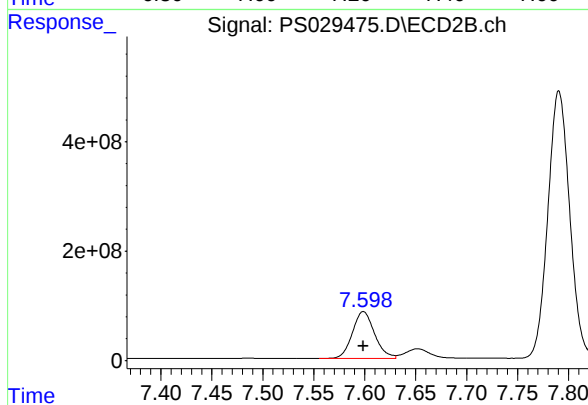
#3 4-Nitrophenol

R.T.: 7.132 min
Delta R.T.: -0.002 min
Response: 975458312
Conc: 1349.34 ng/ml



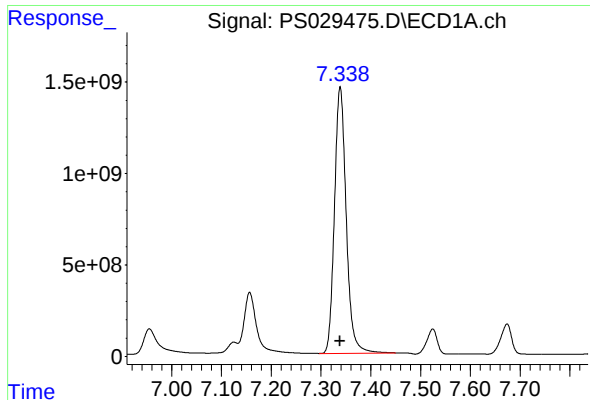
#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 5882987223
Conc: 1406.47 ng/ml



#4 2,4-DCAA

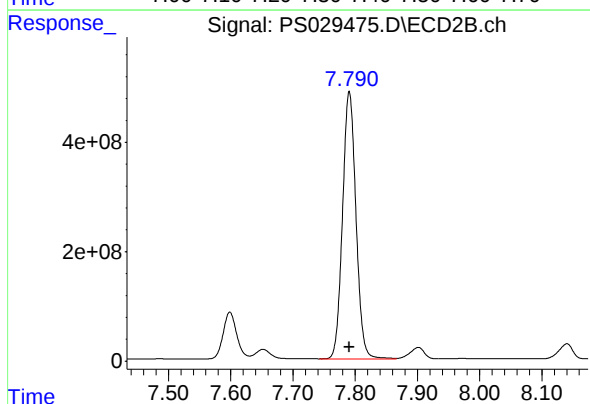
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 1293585622
Conc: 1486.57 ng/ml



#5 DICAMBA

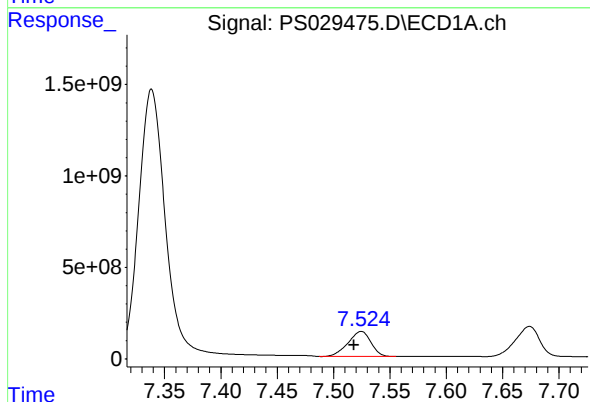
R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 23873648219
Conc: 1312.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



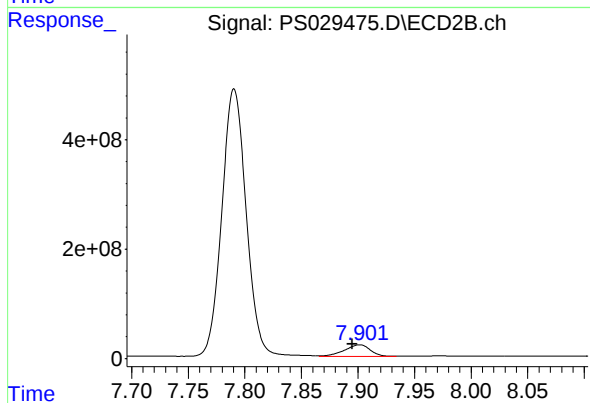
#5 DICAMBA

R.T.: 7.791 min
Delta R.T.: 0.000 min
Response: 7329488076
Conc: 1436.10 ng/ml



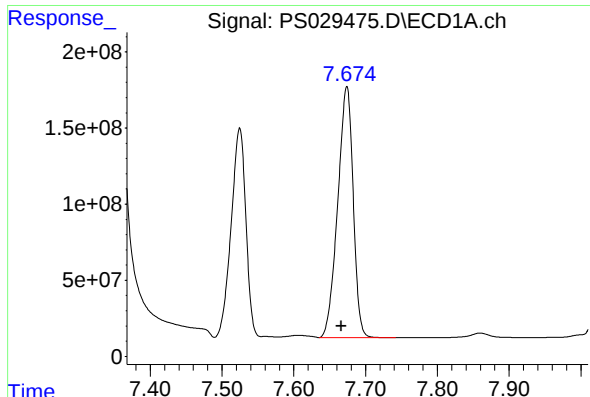
#6 MCPP

R.T.: 7.525 min
Delta R.T.: 0.006 min
Response: 1946096153
Conc: 148.96 ug/ml



#6 MCPP

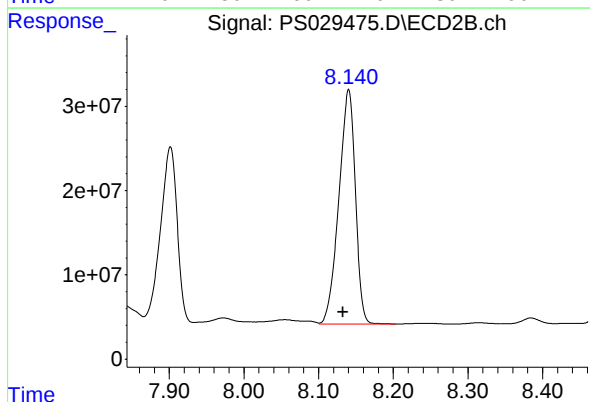
R.T.: 7.902 min
Delta R.T.: 0.006 min
Response: 333883750
Conc: 145.19 ug/ml



#7 MCPA

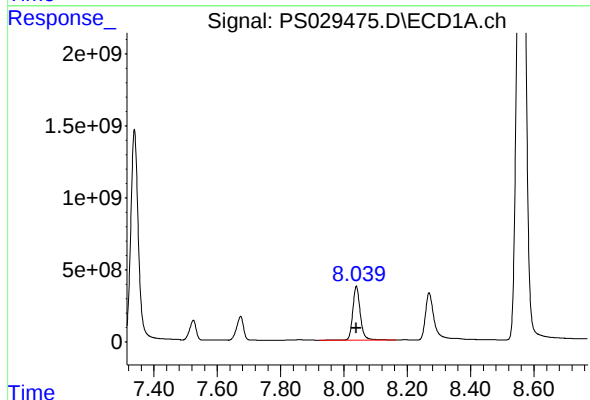
R.T.: 7.674 min
Delta R.T.: 0.008 min
Response: 2470356591
Conc: 144.48 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



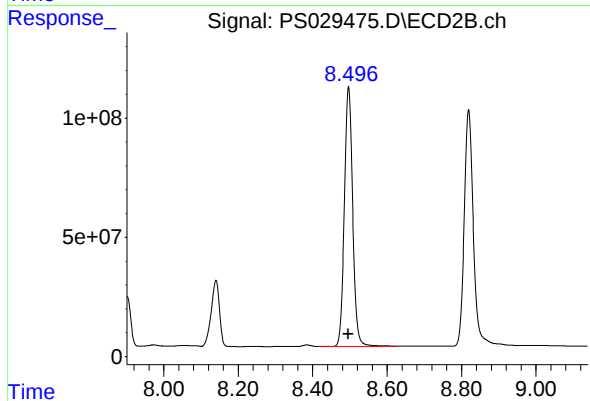
#7 MCPA

R.T.: 8.140 min
Delta R.T.: 0.008 min
Response: 427229711
Conc: 142.69 ug/ml



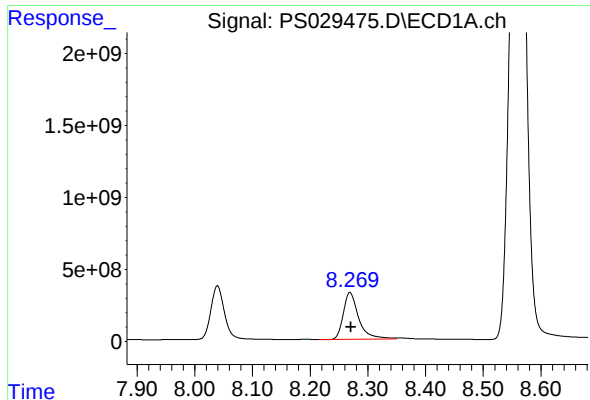
#8 DICHLORPROP

R.T.: 8.039 min
Delta R.T.: 0.000 min
Response: 6137786909
Conc: 1313.21 ng/ml



#8 DICHLORPROP

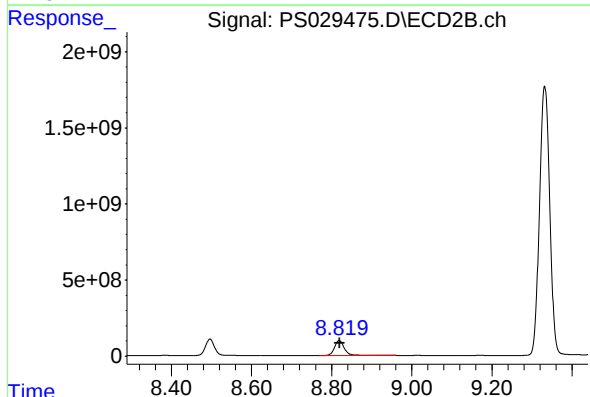
R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 1687400037
Conc: 1392.90 ng/ml



#9 2,4-D

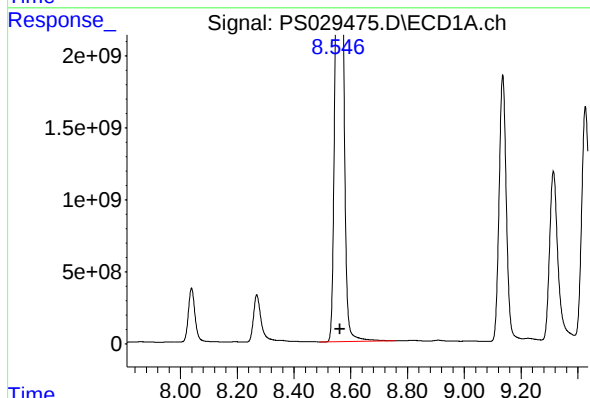
R.T.: 8.269 min
Delta R.T.: -0.002 min
Response: 6067469076
Conc: 1319.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



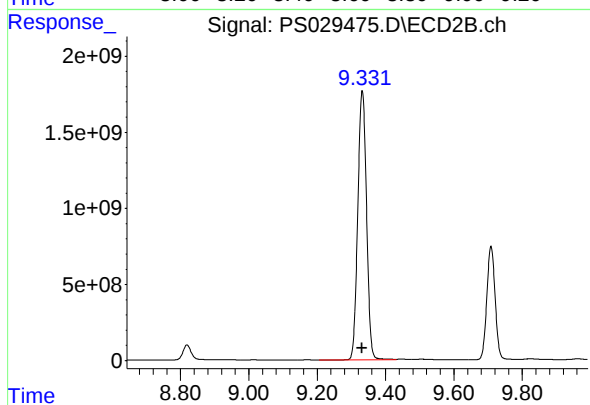
#9 2,4-D

R.T.: 8.819 min
Delta R.T.: 0.000 min
Response: 1676638683
Conc: 1396.84 ng/ml



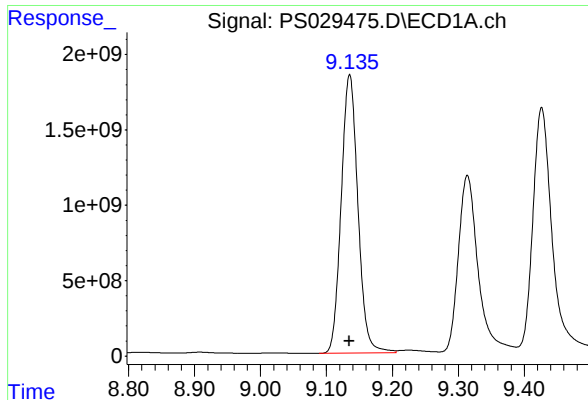
#10 Pentachlorophenol

R.T.: 8.571 min
Delta R.T.: 0.009 min
Response: 55916649883
Conc: 904.86 ng/ml



#10 Pentachlorophenol

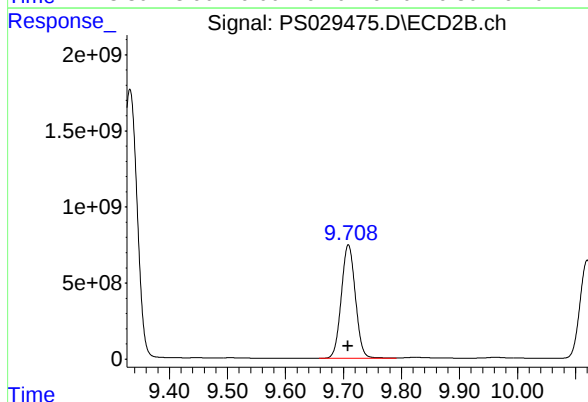
R.T.: 9.332 min
Delta R.T.: 0.000 min
Response: 31554097109
Conc: 1342.03 ng/ml



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

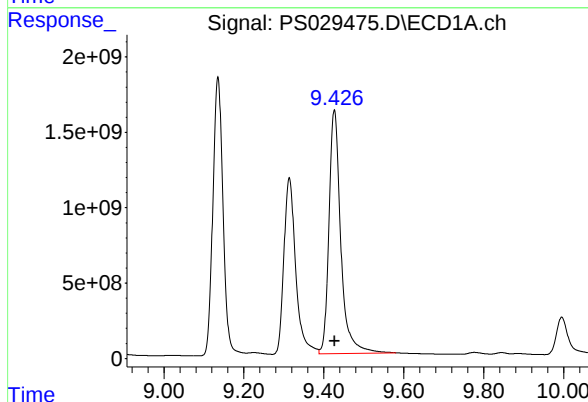
R.T.: 9.135 min
Delta R.T.: 0.001 min
Response: 32544991306
Conc: 1292.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



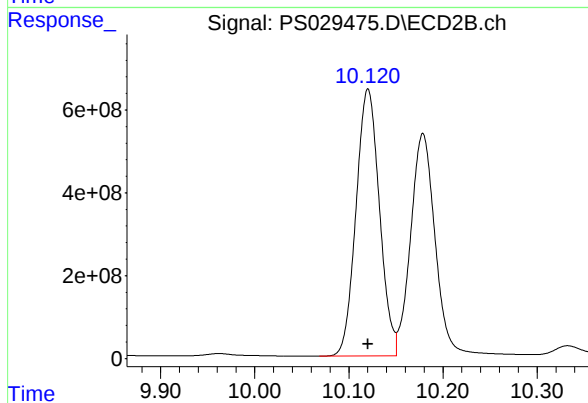
#11 2,4,5-TP (SILVEX)

R.T.: 9.709 min
Delta R.T.: 0.000 min
Response: 12623723242
Conc: 1397.64 ng/ml



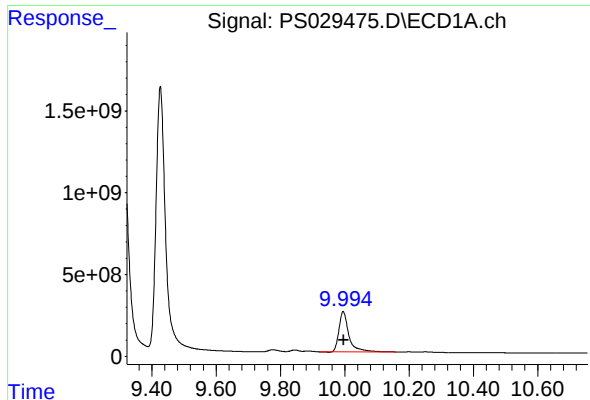
#12 2,4,5-T

R.T.: 9.426 min
Delta R.T.: 0.000 min
Response: 33181534972
Conc: 1308.28 ng/ml



#12 2,4,5-T

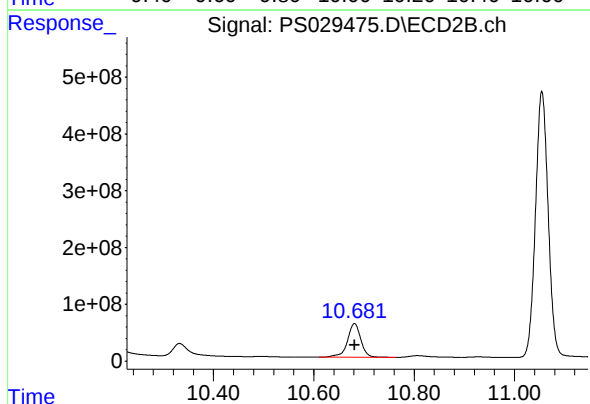
R.T.: 10.120 min
Delta R.T.: 0.000 min
Response: 11142910438
Conc: 1425.73 ng/ml



#13 2,4-DB

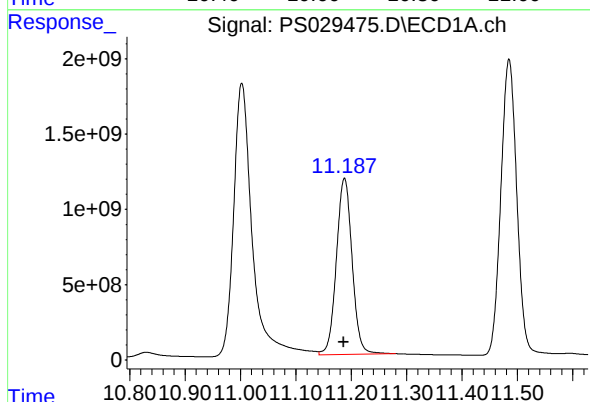
R.T.: 9.995 min
Delta R.T.: -0.002 min
Response: 5275283827
Conc: 1425.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



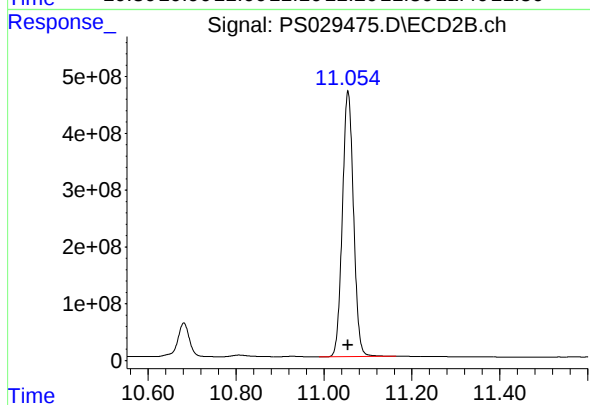
#13 2,4-DB

R.T.: 10.681 min
Delta R.T.: 0.000 min
Response: 1100109016
Conc: 1469.91 ng/ml



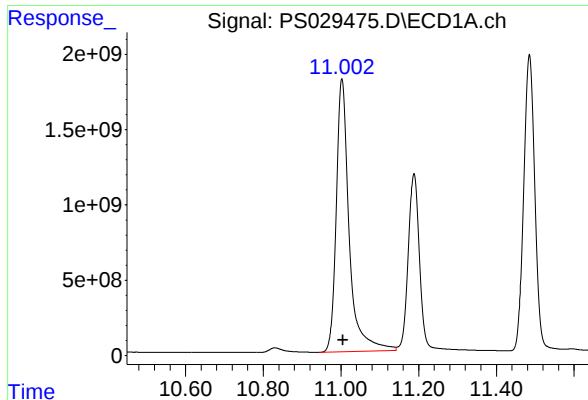
#14 DINOSEB

R.T.: 11.188 min
Delta R.T.: 0.001 min
Response: 23119944379
Conc: 1316.50 ng/ml



#14 DINOSEB

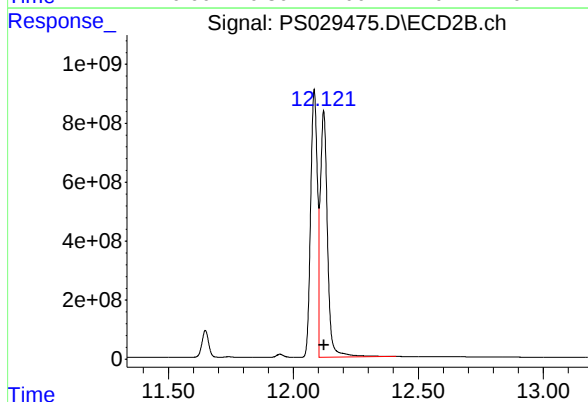
R.T.: 11.055 min
Delta R.T.: 0.000 min
Response: 8212036047
Conc: 1434.21 ng/ml



#15 Picloram

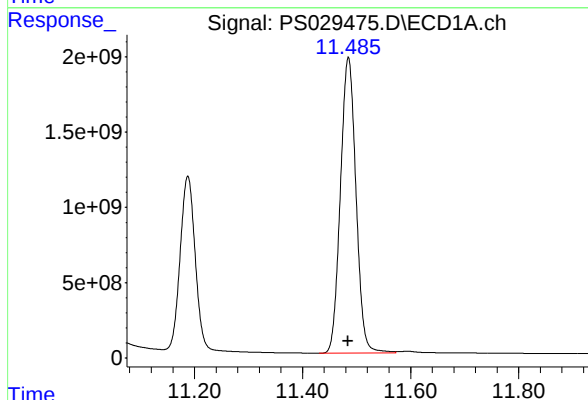
R.T.: 11.002 min
Delta R.T.: -0.003 min
Response: 42216744625
Conc: 1390.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



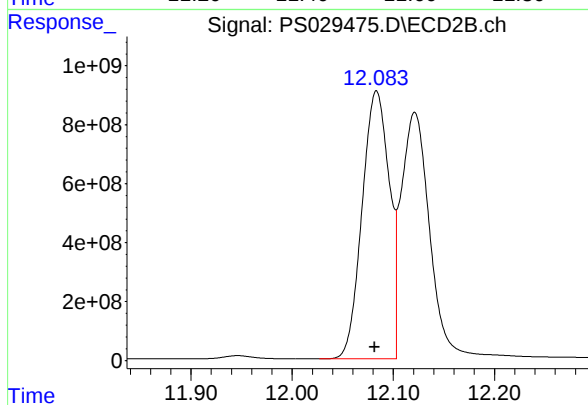
#15 Picloram

R.T.: 12.121 min
Delta R.T.: 0.000 min
Response: 16746879360
Conc: 1481.22 ng/ml



#16 DCPA

R.T.: 11.485 min
Delta R.T.: 0.001 min
Response: 39328397553
Conc: 1281.91 ng/ml



#16 DCPA

R.T.: 12.083 min
Delta R.T.: 0.002 min
Response: 16944456607
Conc: 1404.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
 Data File : PS029476.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 14:07
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ICVPS032025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 21 04:41:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:38:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.159	7.600	3117.8E6	640.3E6	745.388	735.820
Target Compounds							
1) T	Dalapon	2.588	2.630	4036.0E6	1279.4E6	679.130	673.733
2) T	3,5-DICHL...	6.339	6.578	4064.9E6	915.4E6	692.638	684.718
3) T	4-Nitroph...	6.961	7.135	1239.5E6	480.2E6	661.499	664.189
5) T	DICAMBA	7.339	7.791	12702.0E6	3542.8E6	698.558	694.160
6) T	MCPD	7.519	7.896	899.2E6	159.3E6	68.826	69.289
7) T	MCPA	7.667	8.133	1172.0E6	206.0E6	68.544	68.806
8) T	DICHLORPROP	8.040	8.497	3254.3E6	843.2E6	696.282	696.005
9) T	2,4-D	8.272	8.821	3195.5E6	831.4E6	694.837	692.687
10) T	Pentachlo...	8.565	9.332	43864.0E6	16497.4E6	709.822	701.652
11) T	2,4,5-TP ...	9.135	9.709	17825.3E6	6315.6E6	707.852	699.242
12) T	2,4,5-T	9.428	10.122	17954.6E6	5433.0E6	707.910	695.155
13) T	2,4-DB	9.999	10.683	2535.4E6	518.3E6	685.089	692.485
14) T	DINOSEB	11.188	11.055	12369.1E6	4010.2E6	704.327	700.367
15) T	Picloram	11.007	12.123	21387.9E6	7837.0E6	704.489	693.169
16) T	DCPA	11.485	12.083	21844.3E6	8502.2E6	712.012	704.664

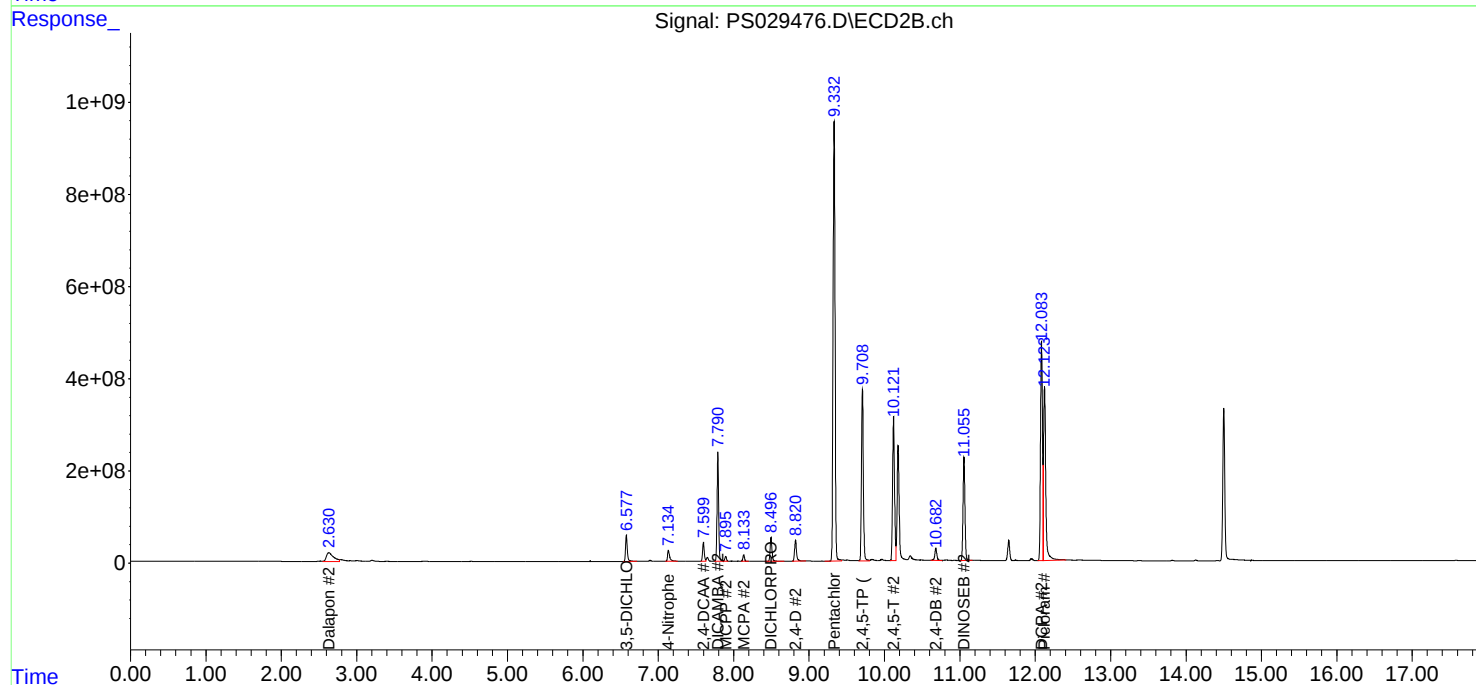
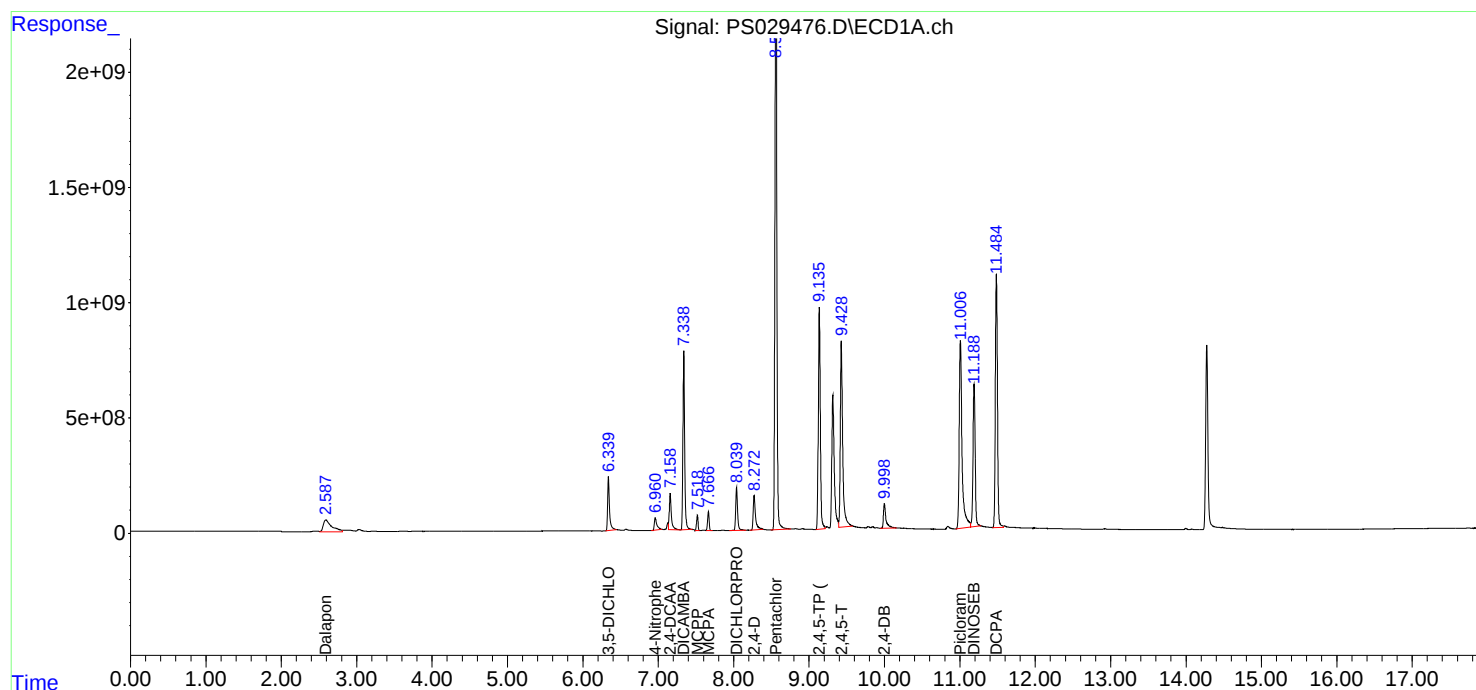
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

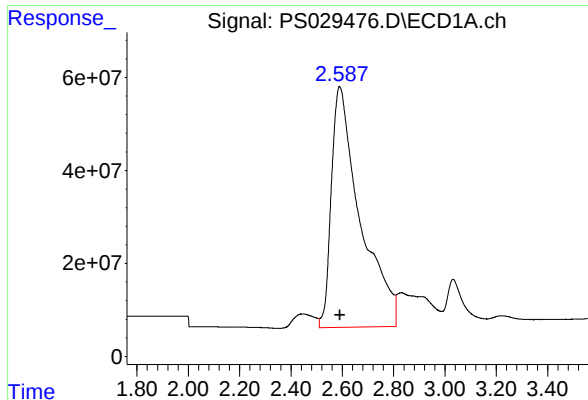
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029476.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 14:07
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS032025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 04:41:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:38:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

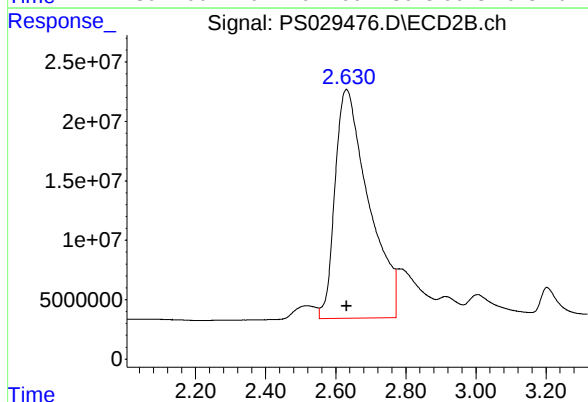




#1 Dalapon

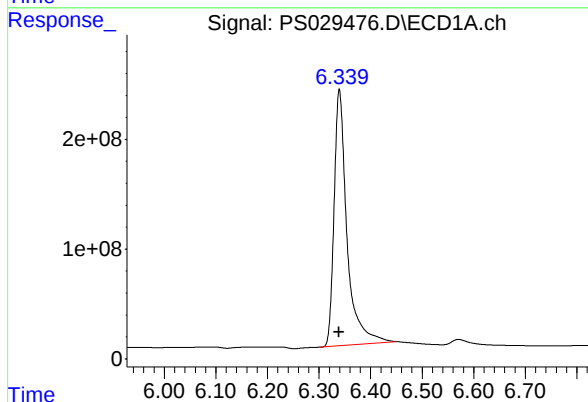
R.T.: 2.588 min
Delta R.T.: -0.003 min
Response: 4036045198
Conc: 679.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS032025



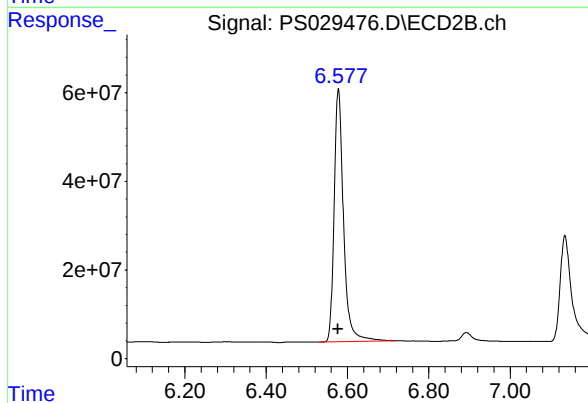
#1 Dalapon

R.T.: 2.630 min
Delta R.T.: 0.000 min
Response: 1279392726
Conc: 673.73 ng/ml



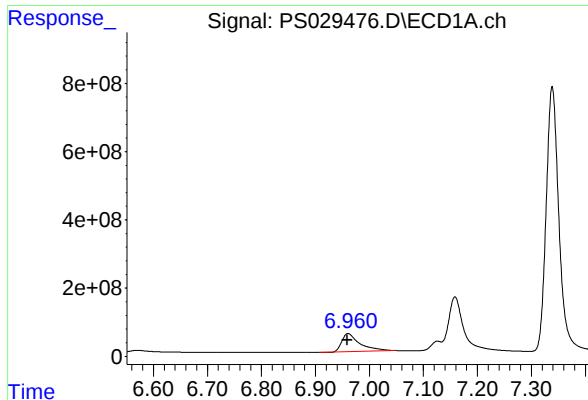
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 4064922761
Conc: 692.64 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

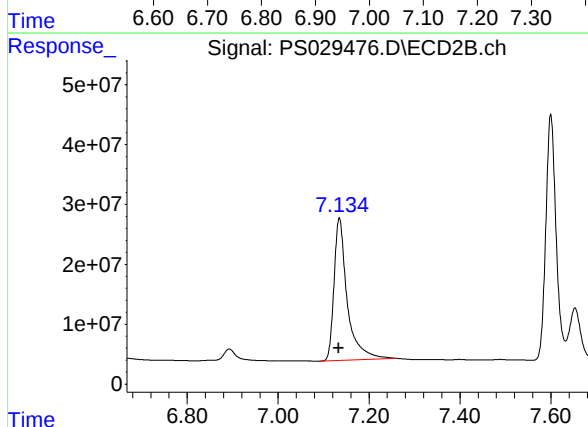
R.T.: 6.578 min
Delta R.T.: 0.000 min
Response: 915367535
Conc: 684.72 ng/ml



#3 4-Nitrophenol

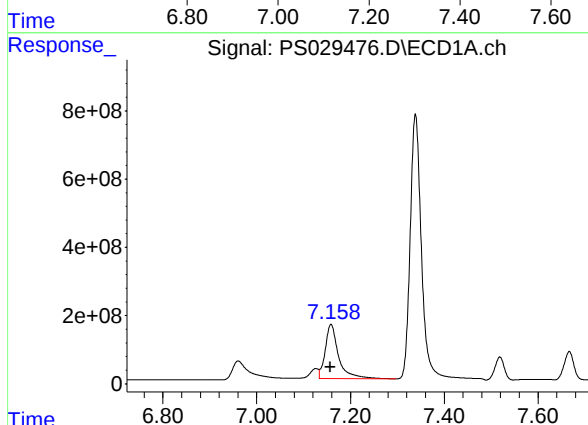
R.T.: 6.961 min
Delta R.T.: 0.002 min
Response: 1239517650
Conc: 661.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS032025



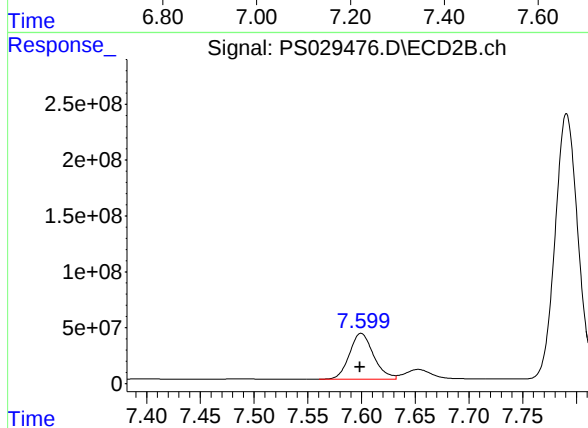
#3 4-Nitrophenol

R.T.: 7.135 min
Delta R.T.: 0.001 min
Response: 480151035
Conc: 664.19 ng/ml



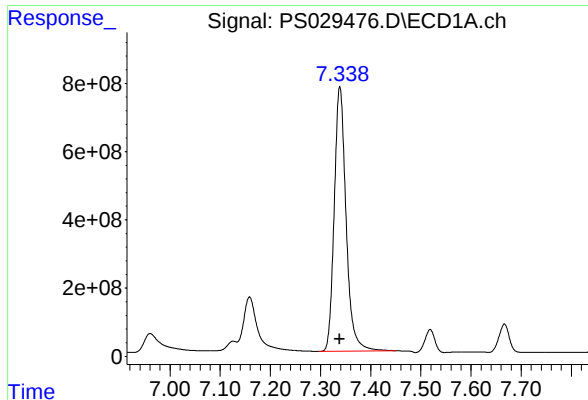
#4 2,4-DCAA

R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 3117814054
Conc: 745.39 ng/ml



#4 2,4-DCAA

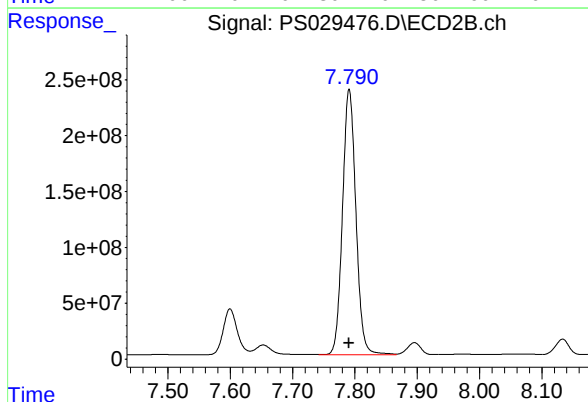
R.T.: 7.600 min
Delta R.T.: 0.001 min
Response: 640295549
Conc: 735.82 ng/ml



#5 DICAMBA

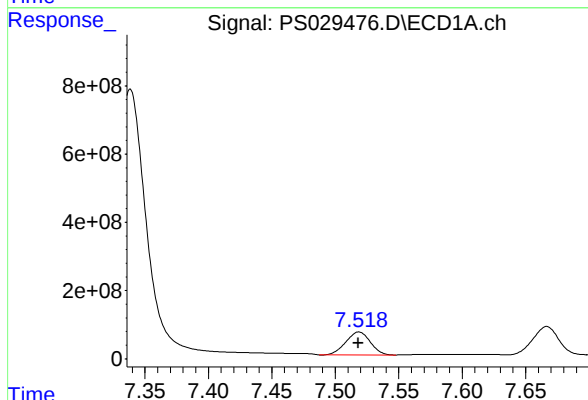
R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 12702039312
Conc: 698.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS032025



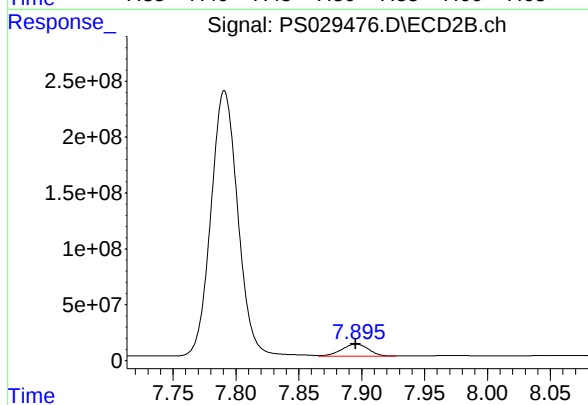
#5 DICAMBA

R.T.: 7.791 min
Delta R.T.: 0.000 min
Response: 3542830345
Conc: 694.16 ng/ml



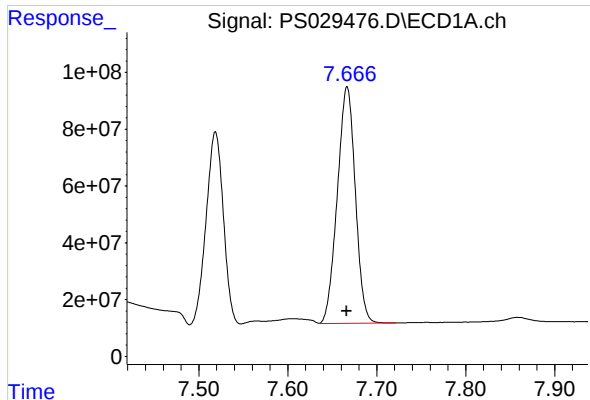
#6 MCPP

R.T.: 7.519 min
Delta R.T.: 0.000 min
Response: 899154310
Conc: 68.83 ug/ml



#6 MCPP

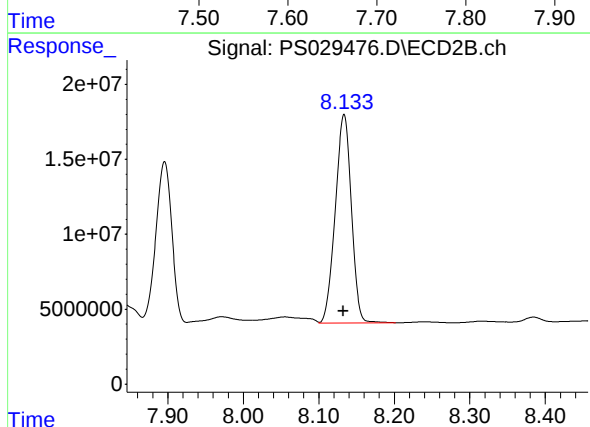
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 159336317
Conc: 69.29 ug/ml



#7 MCPA

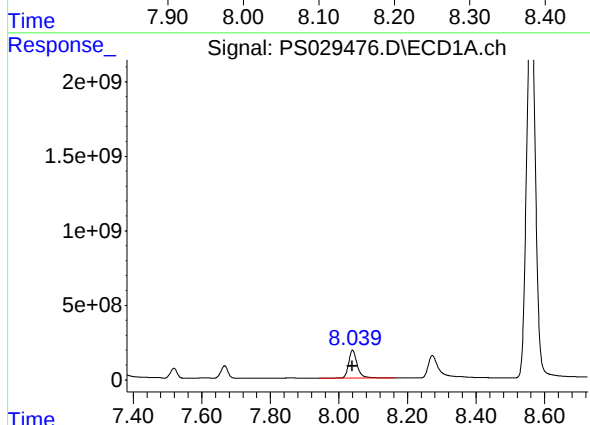
R.T.: 7.667 min
Delta R.T.: 0.000 min
Response: 1171984042
Conc: 68.54 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS032025



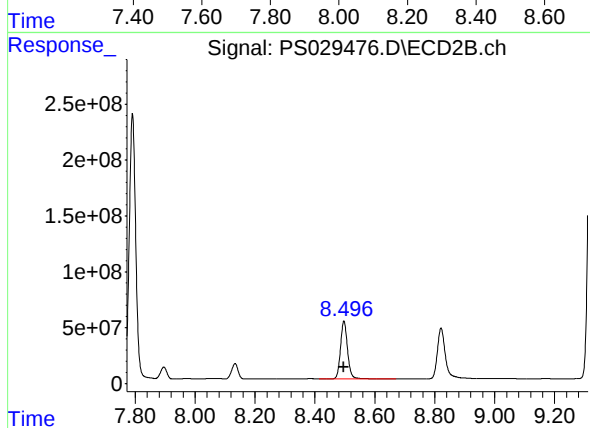
#7 MCPA

R.T.: 8.133 min
Delta R.T.: 0.000 min
Response: 206018213
Conc: 68.81 ug/ml



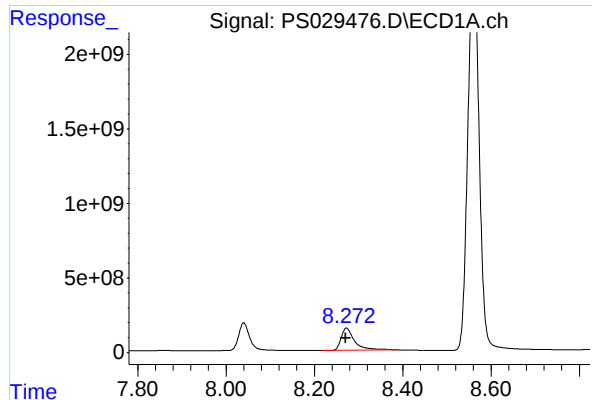
#8 DICHLORPROP

R.T.: 8.040 min
Delta R.T.: 0.000 min
Response: 3254336330
Conc: 696.28 ng/ml



#8 DICHLORPROP

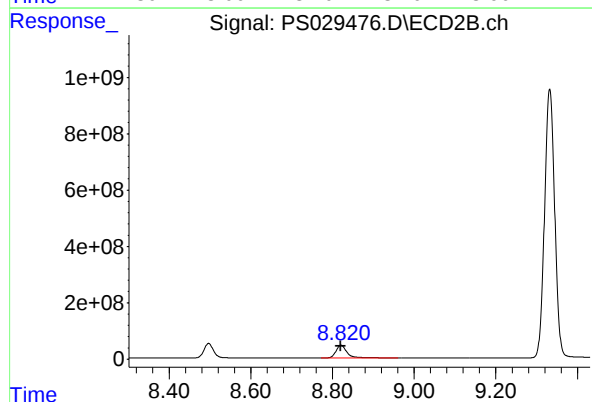
R.T.: 8.497 min
Delta R.T.: 0.001 min
Response: 843161065
Conc: 696.00 ng/ml



#9 2,4-D

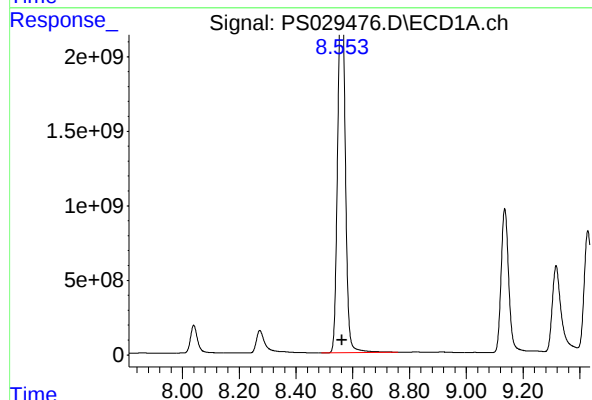
R.T.: 8.272 min
Delta R.T.: 0.001 min
Response: 3195514501
Conc: 694.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS032025



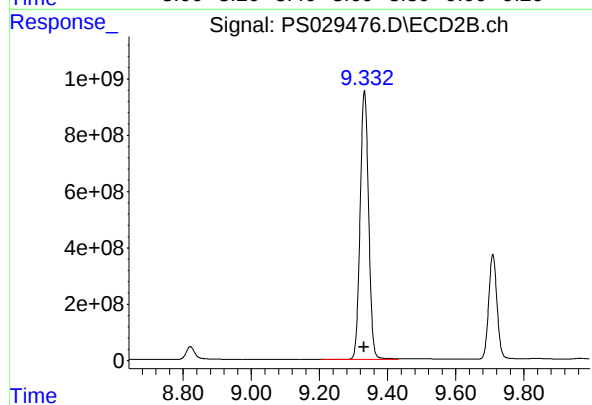
#9 2,4-D

R.T.: 8.821 min
Delta R.T.: 0.001 min
Response: 831437420
Conc: 692.69 ng/ml



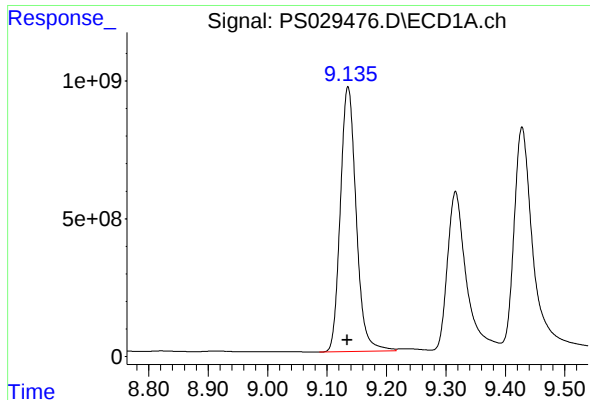
#10 Pentachlorophenol

R.T.: 8.565 min
Delta R.T.: 0.002 min
Response: 43864001219
Conc: 709.82 ng/ml



#10 Pentachlorophenol

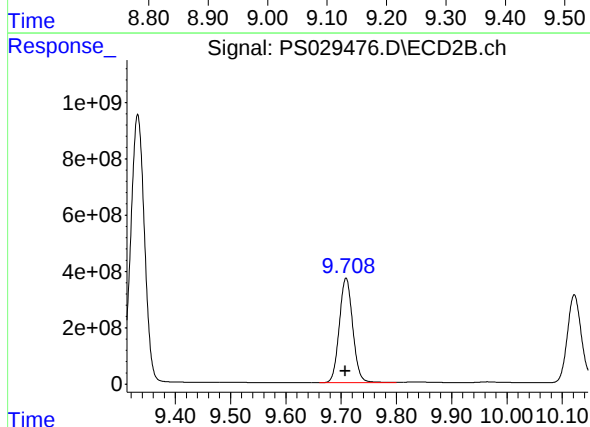
R.T.: 9.332 min
Delta R.T.: 0.000 min
Response: 16497384269
Conc: 701.65 ng/ml



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

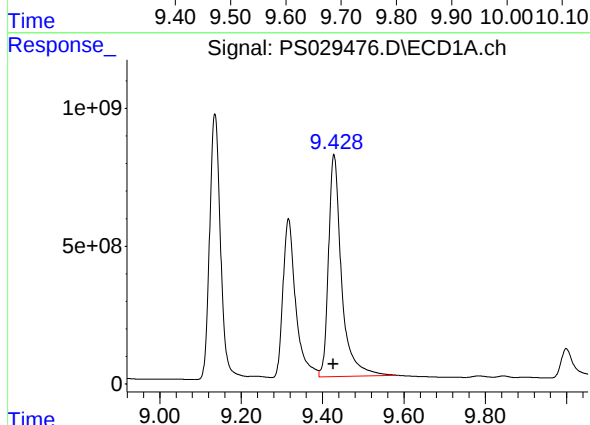
R.T.: 9.135 min
Delta R.T.: 0.001 min
Response: 17825326977
Conc: 707.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS032025



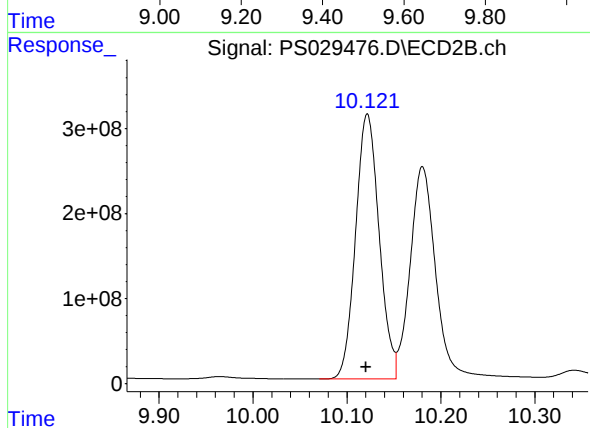
#11 2,4,5-TP (SILVEX)

R.T.: 9.709 min
Delta R.T.: 0.001 min
Response: 6315649669
Conc: 699.24 ng/ml



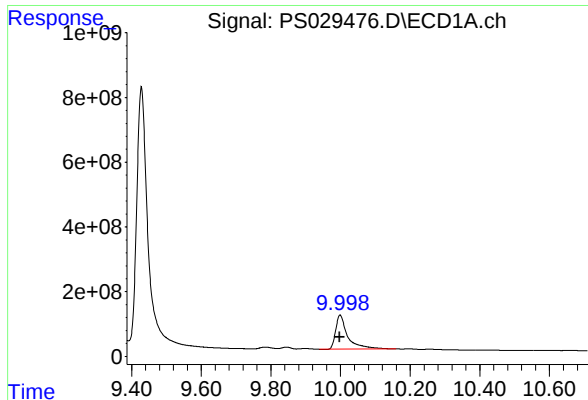
#12 2,4,5-T

R.T.: 9.428 min
Delta R.T.: 0.000 min
Response: 17954563676
Conc: 707.91 ng/ml



#12 2,4,5-T

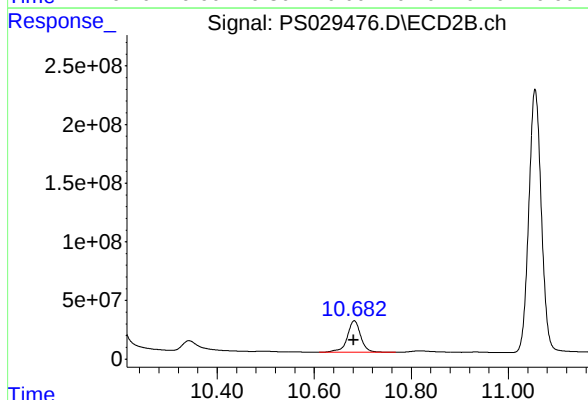
R.T.: 10.122 min
Delta R.T.: 0.002 min
Response: 5433044899
Conc: 695.16 ng/ml



#13 2,4-DB

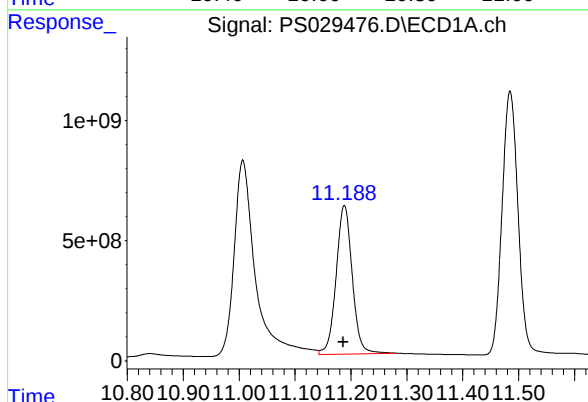
R.T.: 9.999 min
Delta R.T.: 0.002 min
Response: 2535413309
Conc: 685.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS032025



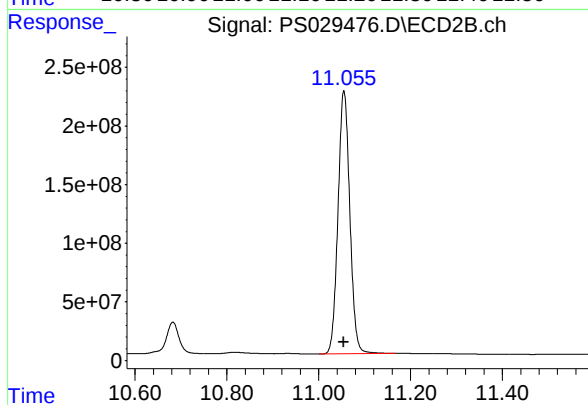
#13 2,4-DB

R.T.: 10.683 min
Delta R.T.: 0.001 min
Response: 518269325
Conc: 692.48 ng/ml



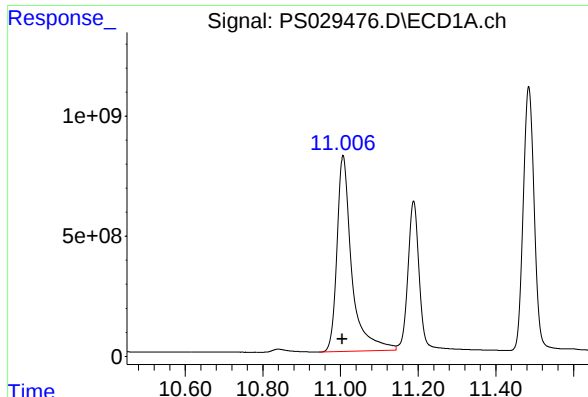
#14 DINOSEB

R.T.: 11.188 min
Delta R.T.: 0.002 min
Response: 12369134888
Conc: 704.33 ng/ml



#14 DINOSEB

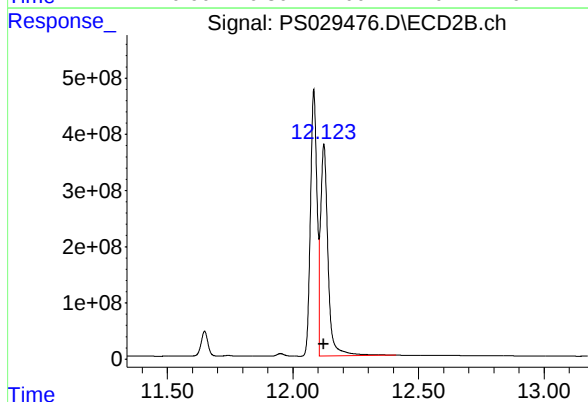
R.T.: 11.055 min
Delta R.T.: 0.000 min
Response: 4010173099
Conc: 700.37 ng/ml



#15 Picloram

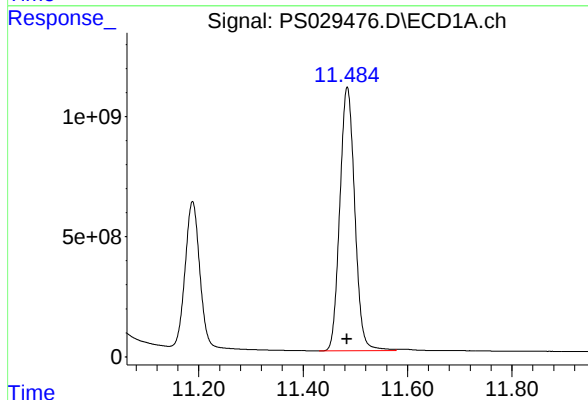
R.T.: 11.007 min
Delta R.T.: 0.001 min
Response: 21387911690
Conc: 704.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS032025



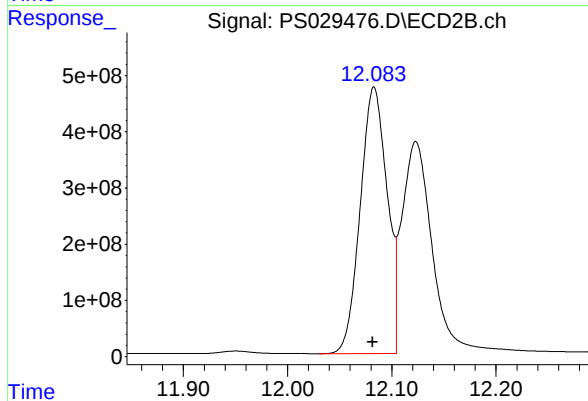
#15 Picloram

R.T.: 12.123 min
Delta R.T.: 0.001 min
Response: 7837040001
Conc: 693.17 ng/ml



#16 DCPA

R.T.: 11.485 min
Delta R.T.: 0.000 min
Response: 21844264297
Conc: 712.01 ng/ml



#16 DCPA

R.T.: 12.083 min
Delta R.T.: 0.001 min
Response: 8502174366
Conc: 704.66 ng/ml

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

[illegible]

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03
Lab Code: CHEM **Case No.:** Q1502 **SAS No.:** Q1502 **SDG NO.:** Q1502
Instrument ID: ECD_S **Calibration Date(s):** 04/02/2025 04/02/2025
Calibration Times: 17:32 20:44
GC Column: RTX-CLP **ID:** 0.32 (mm)

LAB FILE ID:		CF 200 = <u>PS029657.D</u>		CF 500 = <u>PS029658.D</u>			
CF 750 = <u>PS029659.D</u>		CF 1000 = <u>PS029660.D</u>		CF 1500 = <u>PS029661.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	12392100000	11556100000	11317000000	11259900000	10997000000	11504400000	5
2,4,5-TP(Silvex)	12727900000	11569300000	11320400000	11249800000	11209500000	11615400000	5
2,4-D	2821030000	2334770000	2267580000	2246770000	2377810000	2409590000	10
2,4-DB	1770320000	1877810000	1877800000	1875590000	1682200000	1816740000	5
2,4-DCAA	2302820000	2069000000	1979340000	1949030000	1893970000	2038830000	8
3,5-DICHLOROBENZOIC	3345680000	3034650000	2940870000	2901510000	2816080000	3007760000	7
4-Nitrophenol	1548920000	1388140000	1361830000	1351000000	1374100000	1404800000	6
Dalapon	4021620000	3443670000	3265030000	3221870000	3009790000	3392400000	11
DCPA	14955600000	13957300000	13770900000	13670900000	13475800000	13966100000	4
DICAMBA	8858060000	8486840000	8279770000	8264120000	7720910000	8321940000	5
DICHLORPROP	2631030000	2144690000	2068210000	2026460000	2126800000	2199440000	11
Dinoseb	9157510000	8349910000	8295260000	8191760000	8215770000	8442040000	5
MCPA	6482540000	7242430000	7378440000	7518690000	7722940000	7269010000	7
MCPP	4534710000	5341270000	5507420000	5779040000	5936890000	5419860000	10
Pentachlorophenol	35061000000	29843700000	29072700000	28671900000	29375700000	30405000000	9
PICLORAM	16573300000	15162400000	15184400000	15207600000	15374200000	15500400000	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03
Lab Code: CHEM **Case No.:** Q1502 **SAS No.:** Q1502 **SDG NO.:** Q1502
Instrument ID: ECD_S **Calibration Date(s):** 04/02/2025 04/02/2025
Calibration Times: 17:32 20:44

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

LAB FILE ID:		CF 200 = <u>PS029657.D</u>		CF 500 = <u>PS029658.D</u>			
CF 750 = <u>PS029659.D</u>		CF 1000 = <u>PS029660.D</u>		CF 1500 = <u>PS029661.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	7045180000	6633840000	6608740000	6643500000	6582930000	6702840000	3
2,4,5-TP(Silvex)	7615620000	7063890000	7056380000	7090810000	7238100000	7212960000	3
2,4-D	1263680000	1033640000	1003030000	1003730000	1088250000	1078460000	10
2,4-DB	803302000	731751000	714994000	726360000	733471000	741975000	5
2,4-DCAA	756673000	677593000	660102000	658637000	654559000	681513000	6
3,5-DICHLOROBENZOIC	1066670000	958622000	938124000	935159000	929211000	965557000	6
4-Nitrophenol	797424000	703944000	683493000	678970000	681160000	708998000	7
Dalapon	1848100000	1616580000	1533790000	1516160000	1423350000	1587600000	10
DCPA	9592700000	9023280000	8211920000	8126990000	9298420000	8850660000	7
DICAMBA	3706360000	3600950000	3652250000	3722240000	3785060000	3693370000	2
DICHLORPROP	1136690000	925142000	905064000	900036000	963828000	966152000	10
Dinoseb	5552480000	5015020000	4952150000	4983340000	5061010000	5112800000	5
MCPA	2242920000	2227950000	2272230000	2327780000	2305450000	2275260000	2
MCPP	1501000000	1703160000	1751200000	1785760000	1701260000	1688480000	7
Pentachlorophenol	18948300000	17914500000	17720100000	17653100000	17402700000	17927700000	3
PICLORAM	11393000000	11073000000	11601700000	12670400000	12384000000	11824400000	6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029657.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 17:32
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC200

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 21:46:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:45:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	6.963	7.476	460.6E6	151.3E6	232.686	229.260
Target Compounds							
1) T	Dalapon	2.463	2.533	731.9E6	336.4E6	224.174	219.295
2) T	3,5-DICHL...	6.166	6.471	622.3E6	198.4E6	211.603	211.486
3) T	4-Nitroph...	6.755	7.011	281.9E6	145.1E6	207.004	212.338
5) T	DICAMBA	7.140	7.663	1665.3E6	696.8E6	201.131	190.785
6) T	MCP	7.317	7.766	85252462	28218860	15.480	16.114
7) T	MCPA	7.459	7.997	120.6E6	41718309	16.342	18.360
8) T	DICHLORPROP	7.822	8.357	494.6E6	213.7E6	239.160	236.114
9) T	2,4-D	8.044	8.673	530.4E6	237.6E6	233.885	236.854
10) T	Pentachlo...	8.321	9.174	6661.6E6	3600.2E6	229.136	203.169
11) T	2,4,5-TP ...	8.888	9.553	2418.3E6	1447.0E6	213.623	205.058
12) T	2,4,5-T	9.171	9.959	2354.5E6	1338.6E6	208.050	202.548
13) T	2,4-DB	9.732	10.516	336.4E6	152.6E6	179.124	213.467
14) T	DINOSEB	10.896	10.888	1721.6E6	1043.9E6	207.542	210.790
15) T	Picloram	10.714	11.932	3148.9E6	2164.7E6	207.380	195.248
16) T	DCPA	11.196	11.912	2871.5E6	1841.8E6	208.516	183.261

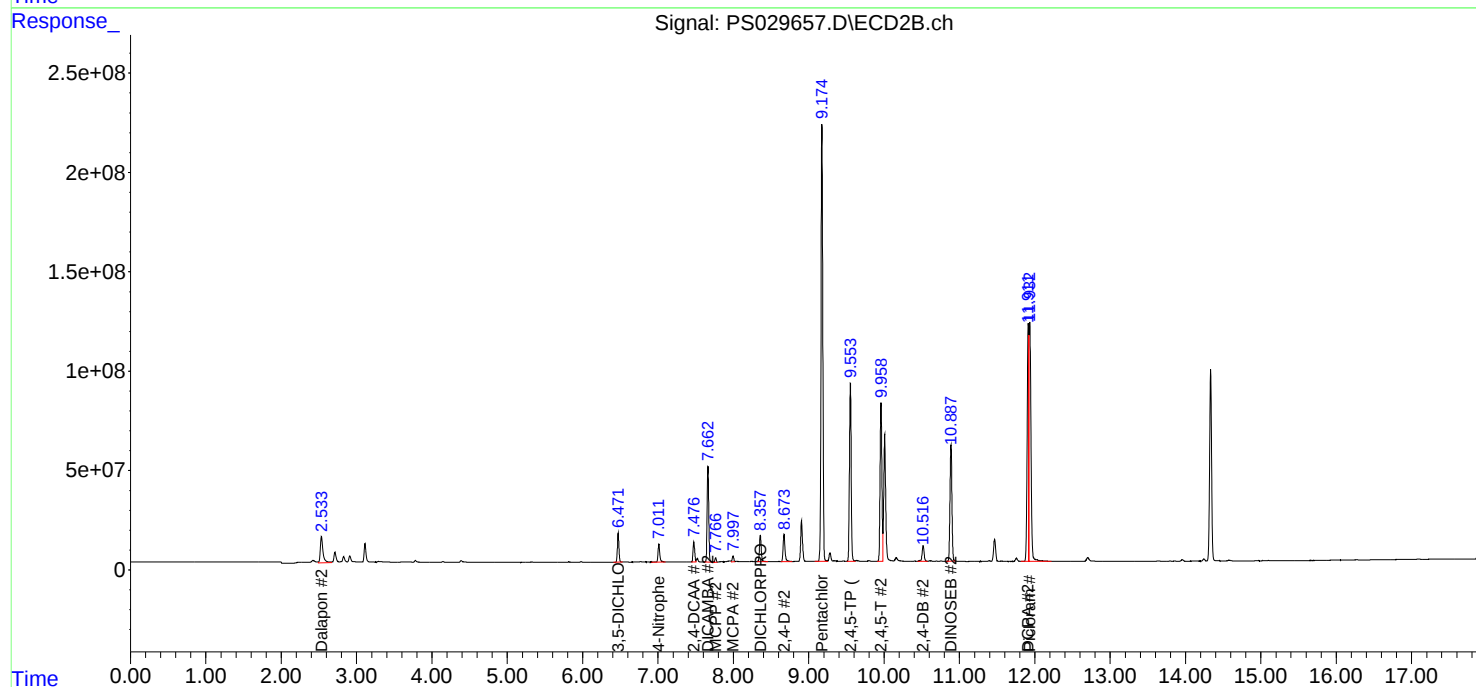
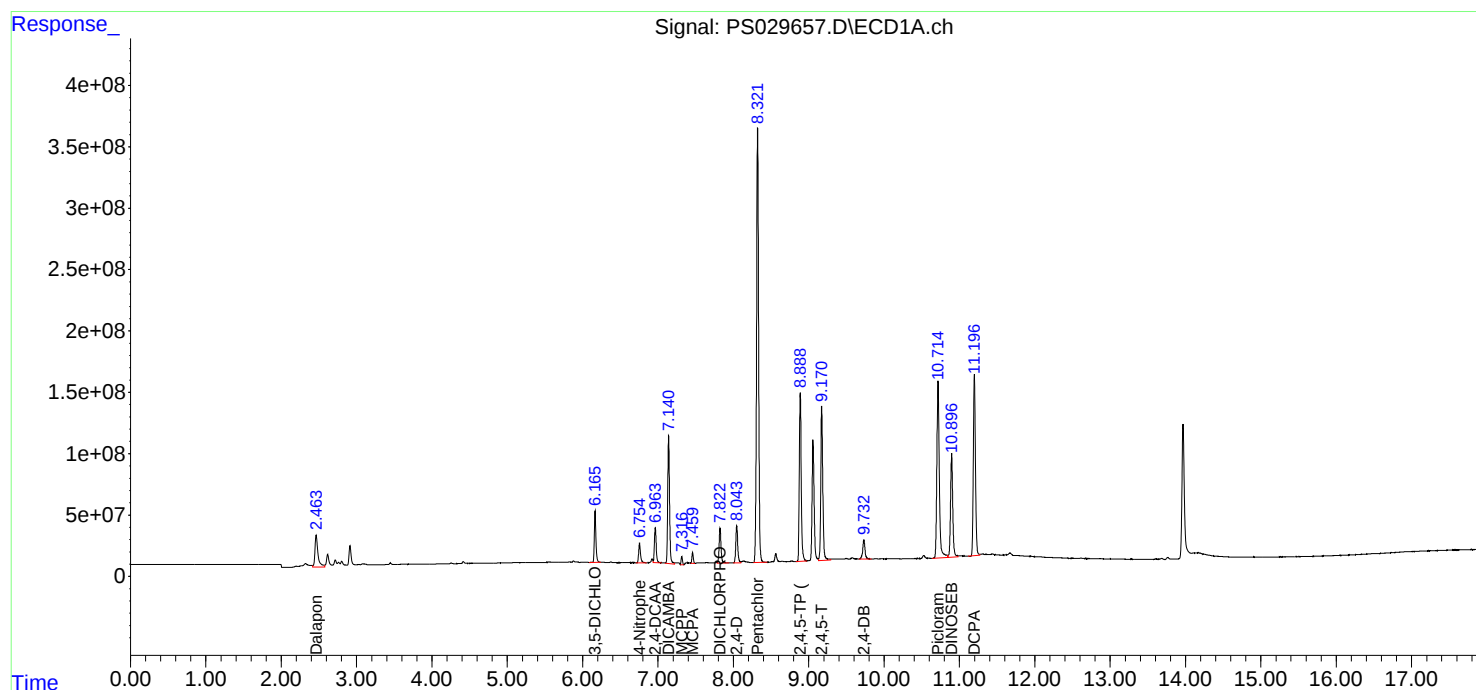
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

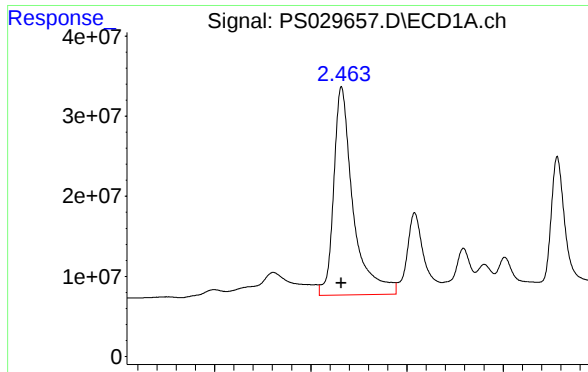
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 17:32
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 21:46:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:45:08 2025
Response via : Initial 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

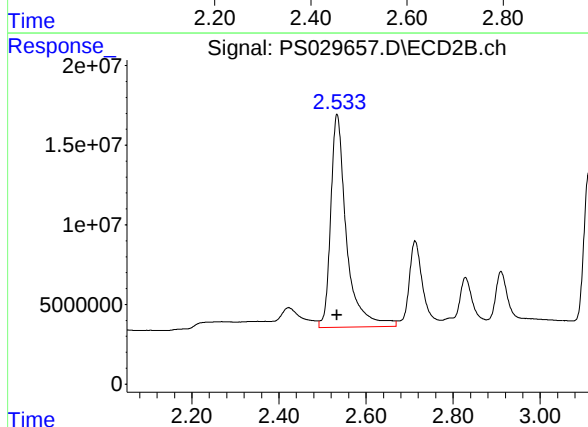




#1 Dalapon

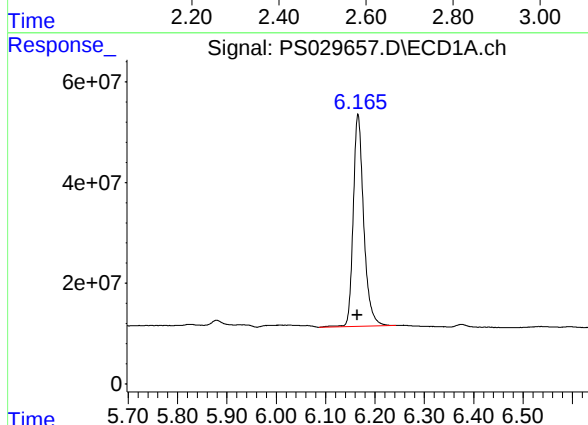
R.T.: 2.463 min
Delta R.T.: 0.000 min
Response: 731934729
Conc: 224.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



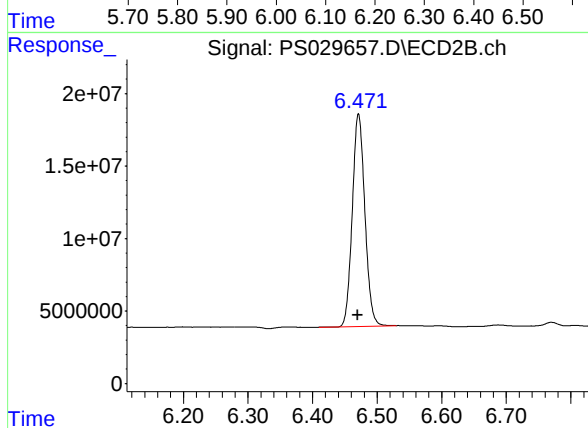
#1 Dalapon

R.T.: 2.533 min
Delta R.T.: 0.000 min
Response: 336353813
Conc: 219.30 ng/ml



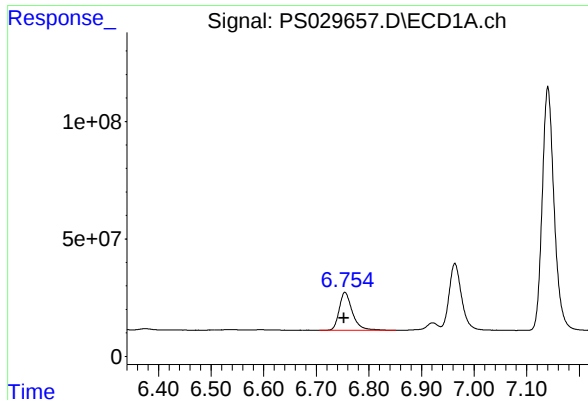
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 622297322
Conc: 211.60 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

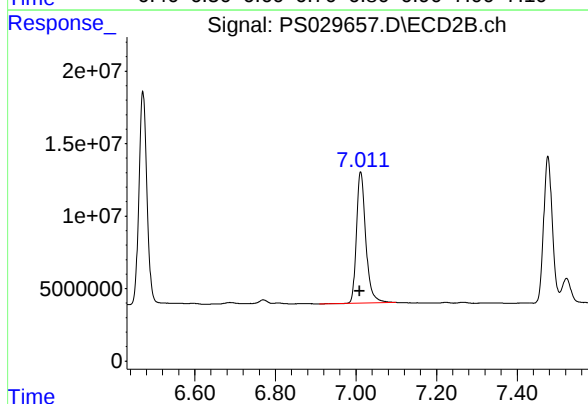
R.T.: 6.471 min
Delta R.T.: 0.000 min
Response: 198400474
Conc: 211.49 ng/ml



#3 4-Nitrophenol

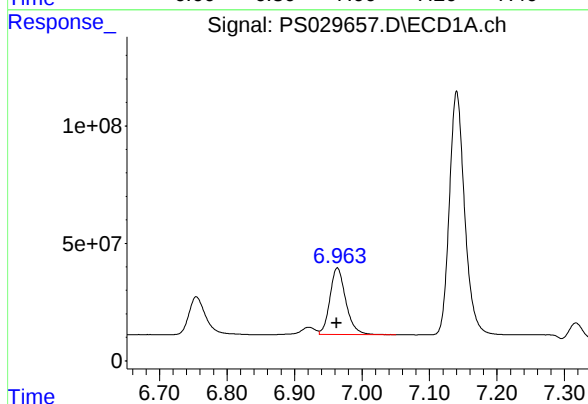
R.T.: 6.755 min
Delta R.T.: 0.001 min
Response: 281903407
Conc: 207.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



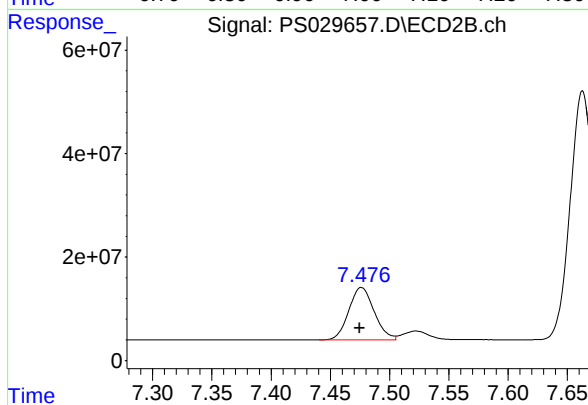
#3 4-Nitrophenol

R.T.: 7.011 min
Delta R.T.: 0.002 min
Response: 145131227
Conc: 212.34 ng/ml



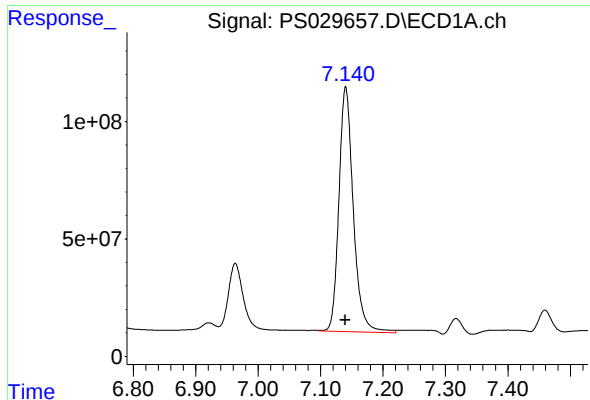
#4 2,4-DCAA

R.T.: 6.963 min
Delta R.T.: 0.000 min
Response: 460564681
Conc: 232.69 ng/ml



#4 2,4-DCAA

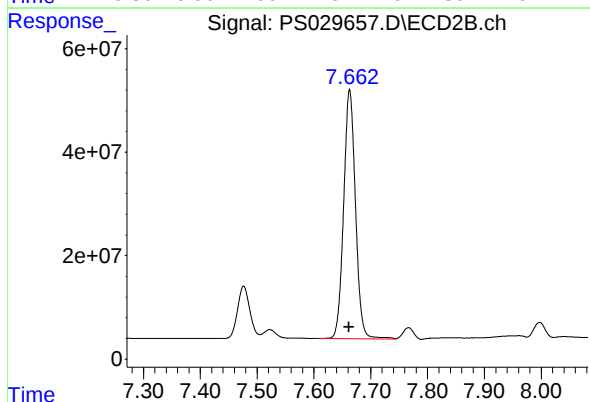
R.T.: 7.476 min
Delta R.T.: 0.001 min
Response: 151334671
Conc: 229.26 ng/ml



#5 DICAMBA

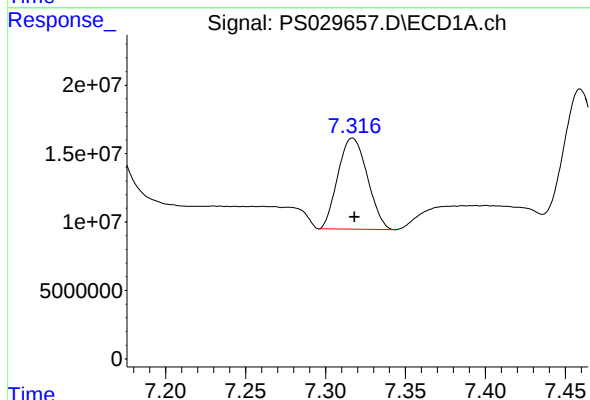
R.T.: 7.140 min
Delta R.T.: 0.000 min
Response: 1665316112
Conc: 201.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



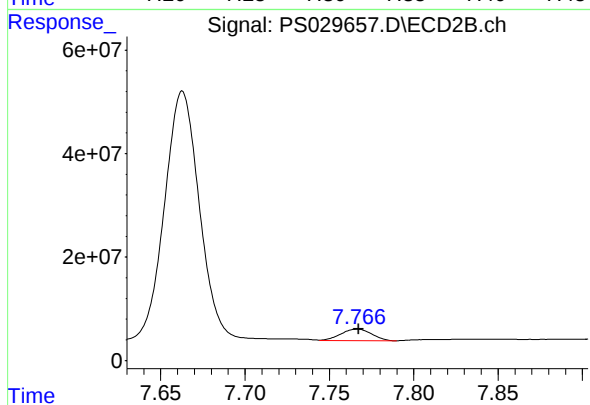
#5 DICAMBA

R.T.: 7.663 min
Delta R.T.: 0.001 min
Response: 696795395
Conc: 190.79 ng/ml



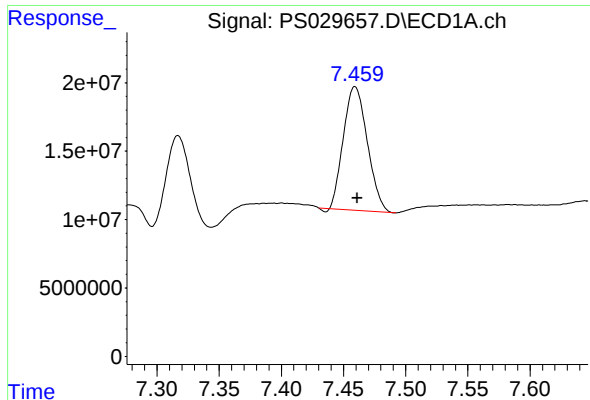
#6 MCPP

R.T.: 7.317 min
Delta R.T.: -0.001 min
Response: 85252462
Conc: 15.48 ug/ml



#6 MCPP

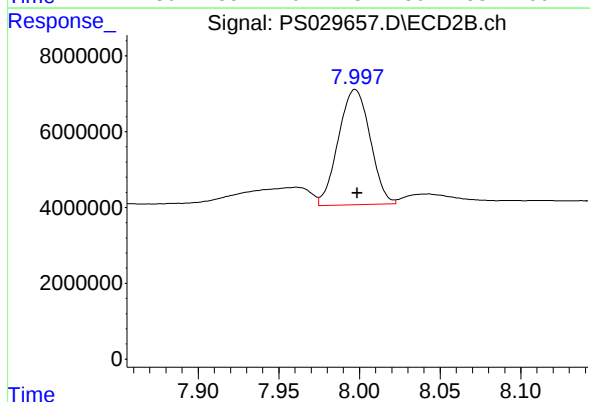
R.T.: 7.766 min
Delta R.T.: -0.001 min
Response: 28218860
Conc: 16.11 ug/ml



#7 MCPA

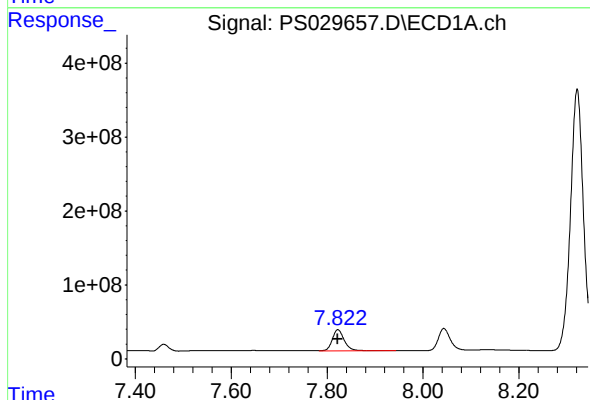
R.T.: 7.459 min
Delta R.T.: -0.002 min
Response: 120575211
Conc: 16.34 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



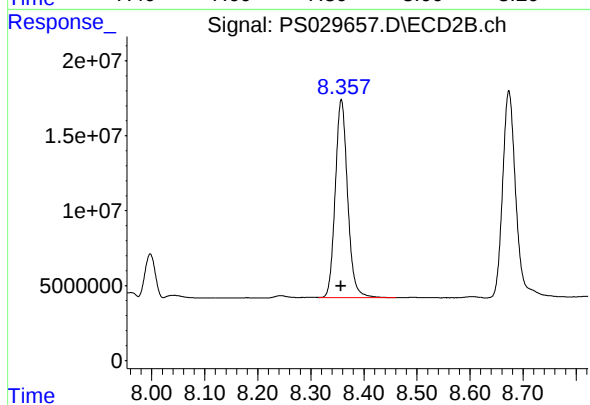
#7 MCPA

R.T.: 7.997 min
Delta R.T.: -0.001 min
Response: 41718309
Conc: 18.36 ug/ml



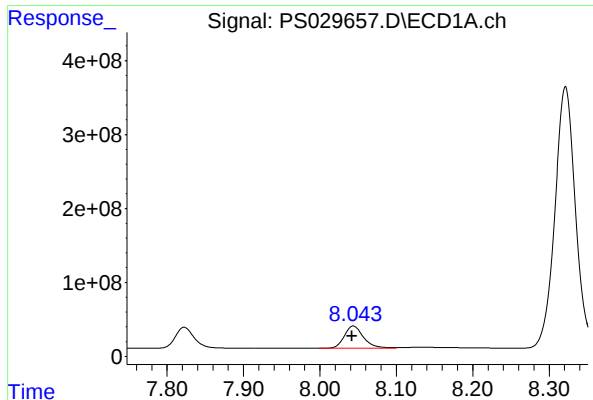
#8 DICHLORPROP

R.T.: 7.822 min
Delta R.T.: 0.000 min
Response: 494633615
Conc: 239.16 ng/ml



#8 DICHLORPROP

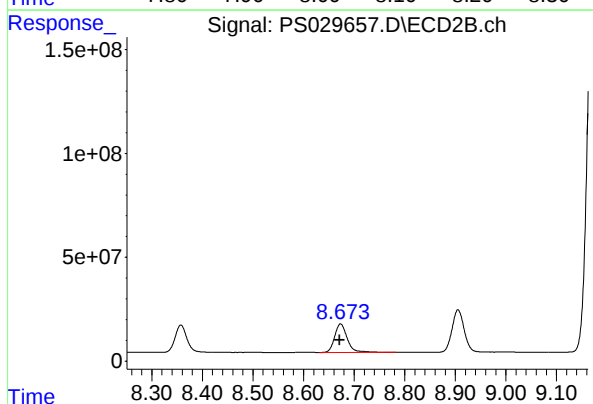
R.T.: 8.357 min
Delta R.T.: 0.001 min
Response: 213698070
Conc: 236.11 ng/ml



#9 2,4-D

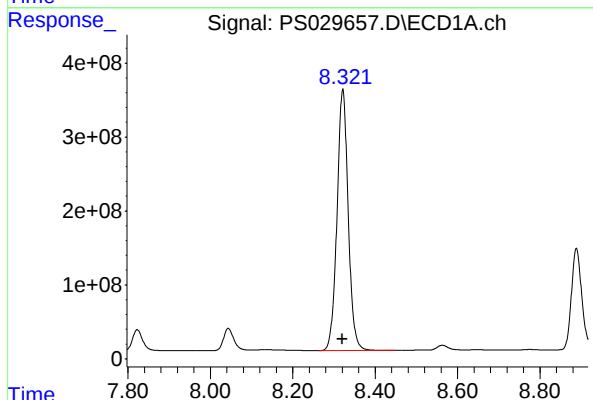
R.T.: 8.044 min
Delta R.T.: 0.001 min
Response: 530353272
Conc: 233.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



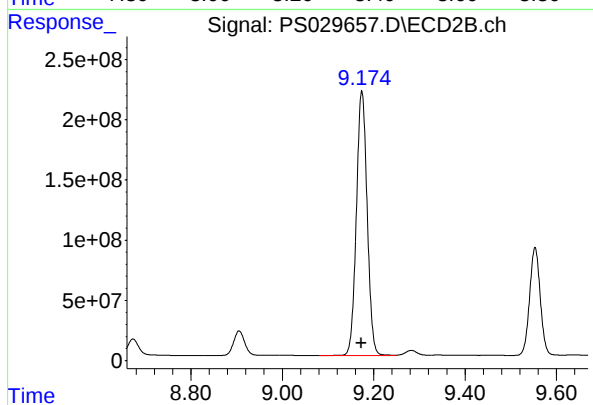
#9 2,4-D

R.T.: 8.673 min
Delta R.T.: 0.002 min
Response: 237571156
Conc: 236.85 ng/ml



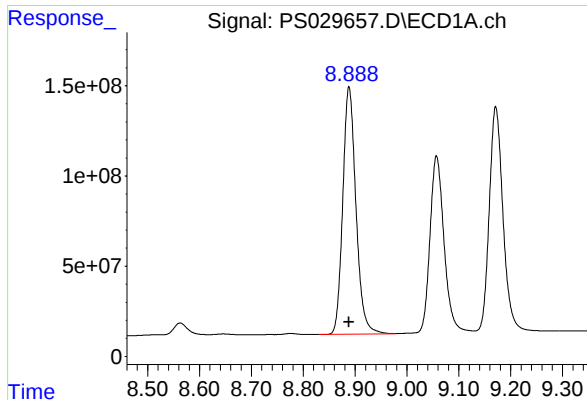
#10 Pentachlorophenol

R.T.: 8.321 min
Delta R.T.: 0.000 min
Response: 6661591819
Conc: 229.14 ng/ml



#10 Pentachlorophenol

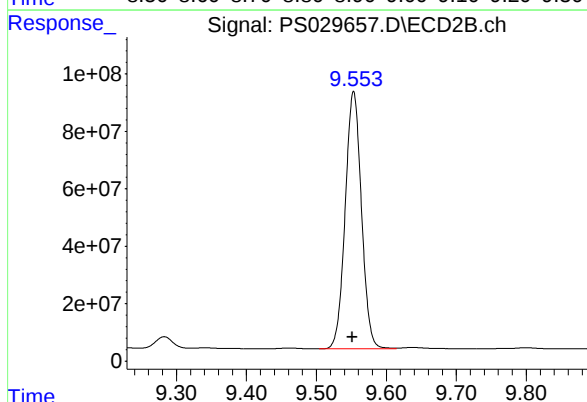
R.T.: 9.174 min
Delta R.T.: 0.000 min
Response: 3600173749
Conc: 203.17 ng/ml



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

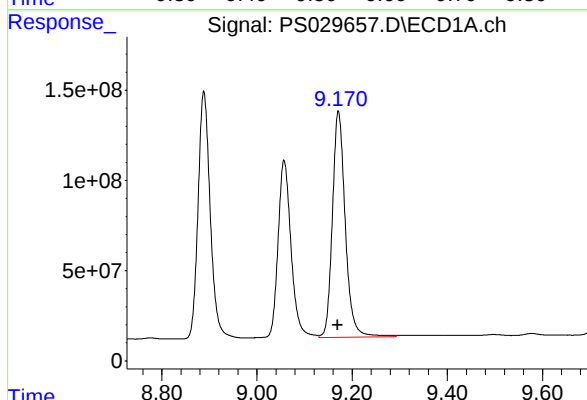
R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 2418295395
Conc: 213.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



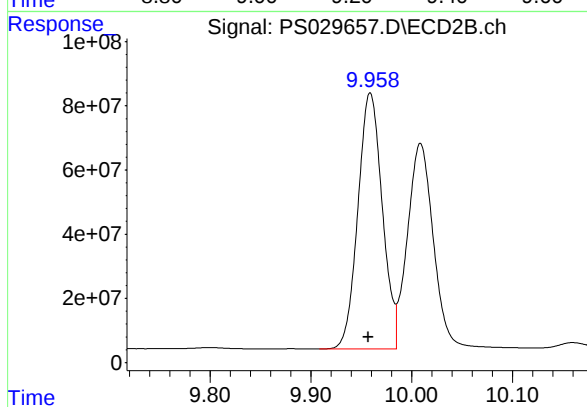
#11 2,4,5-TP (SILVEX)

R.T.: 9.553 min
Delta R.T.: 0.002 min
Response: 1446967771
Conc: 205.06 ng/ml



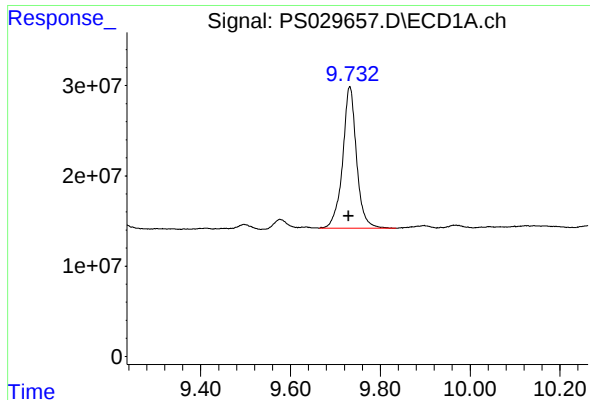
#12 2,4,5-T

R.T.: 9.171 min
Delta R.T.: 0.001 min
Response: 2354497182
Conc: 208.05 ng/ml



#12 2,4,5-T

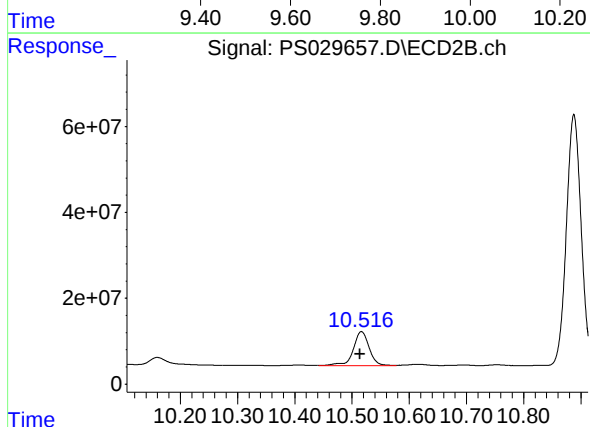
R.T.: 9.959 min
Delta R.T.: 0.002 min
Response: 1338585053
Conc: 202.55 ng/ml



#13 2,4-DB

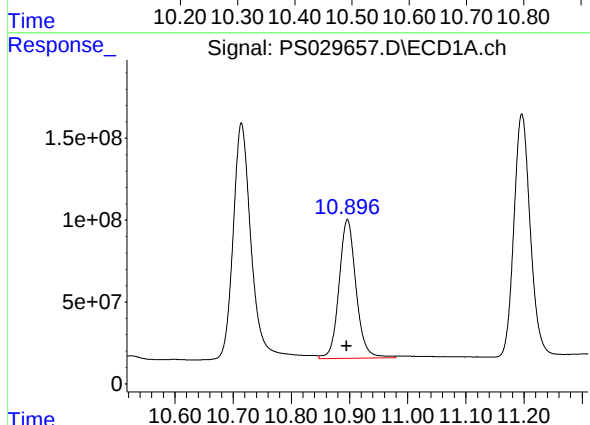
R.T.: 9.732 min
Delta R.T.: 0.003 min
Response: 336360413
Conc: 179.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



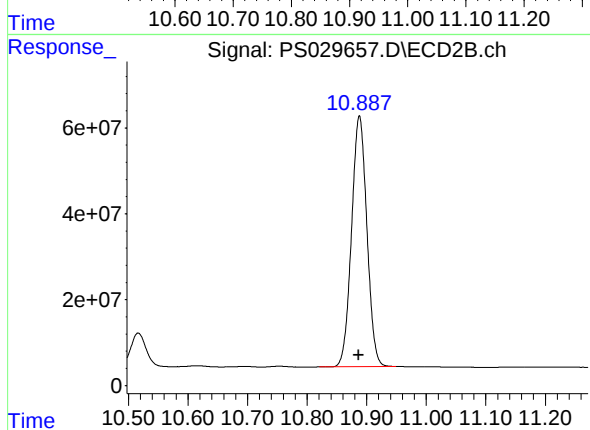
#13 2,4-DB

R.T.: 10.516 min
Delta R.T.: 0.002 min
Response: 152627392
Conc: 213.47 ng/ml



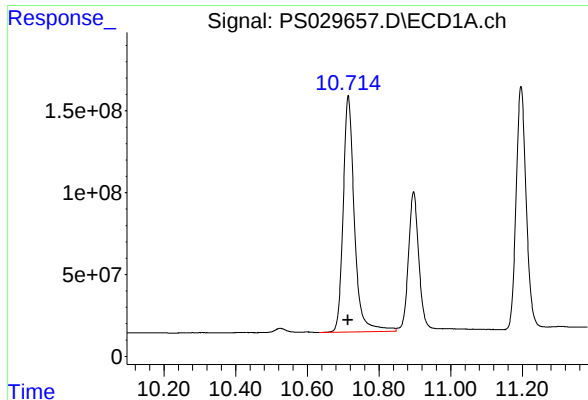
#14 DINOSEB

R.T.: 10.896 min
Delta R.T.: 0.001 min
Response: 1721611147
Conc: 207.54 ng/ml



#14 DINOSEB

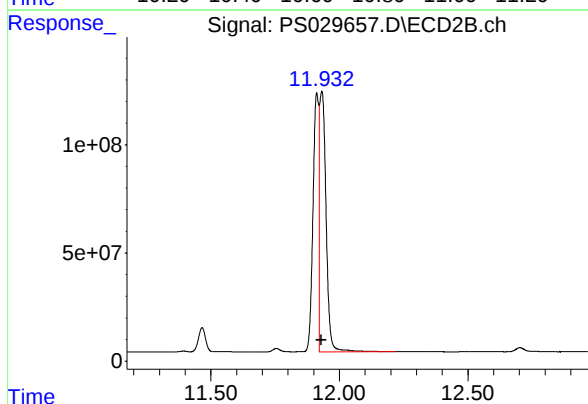
R.T.: 10.888 min
Delta R.T.: 0.001 min
Response: 1043866951
Conc: 210.79 ng/ml



#15 Picloram

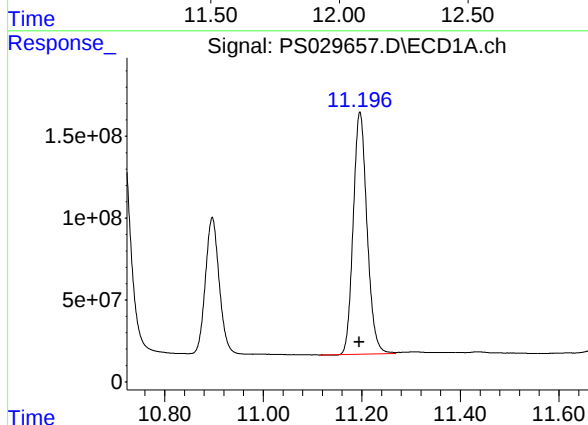
R.T.: 10.714 min
Delta R.T.: 0.001 min
Response: 3148932398
Conc: 207.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



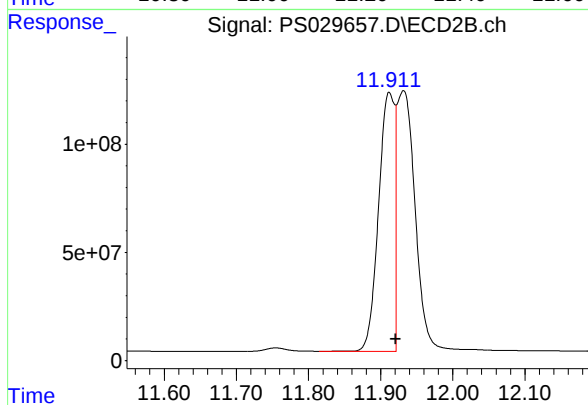
#15 Picloram

R.T.: 11.932 min
Delta R.T.: 0.002 min
Response: 2164676310
Conc: 195.25 ng/ml



#16 DCPA

R.T.: 11.196 min
Delta R.T.: 0.000 min
Response: 2871466571
Conc: 208.52 ng/ml



#16 DCPA

R.T.: 11.912 min
Delta R.T.: -0.009 min
Response: 1841799208
Conc: 183.26 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029658.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 17:56
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 21:46:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:45:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	6.963	7.476	1034.5E6	338.8E6	522.648	513.249
Target Compounds							
1) T	Dalapon	2.463	2.533	1566.9E6	735.5E6	479.894	479.559
2) T	3,5-DICHL...	6.165	6.470	1411.1E6	445.8E6	479.828	475.161
3) T	4-Nitroph...	6.754	7.010	631.6E6	320.3E6	463.792	468.614
5) T	DICAMBA	7.140	7.662	3988.8E6	1692.4E6	481.754	463.398
6) T	MCPD	7.317	7.766	251.0E6	80048671	45.582	45.711
7) T	MCPA	7.460	7.997	336.8E6	103.6E6	45.643	45.594
8) T	DICHLORPROP	7.822	8.357	1008.0E6	434.8E6	487.379	480.426
9) T	2,4-D	8.043	8.672	1097.3E6	485.8E6	483.927	484.347
10) T	Pentachlo...	8.321	9.173	14175.8E6	8509.4E6	487.598	480.213
11) T	2,4,5-TP ...	8.887	9.552	5495.4E6	3355.3E6	485.444	475.506
12) T	2,4,5-T	9.170	9.957	5489.2E6	3151.1E6	485.039	476.804
13) T	2,4-DB	9.730	10.515	892.0E6	347.6E6	475.002	486.133
14) T	DINOSEB	10.895	10.886	3924.5E6	2357.1E6	473.097	475.967
15) T	Picloram	10.714	11.930	7202.2E6	5259.7E6	474.314	474.410
16) T	DCPA	11.196	11.913	6699.5E6	4331.2E6	486.495	430.957

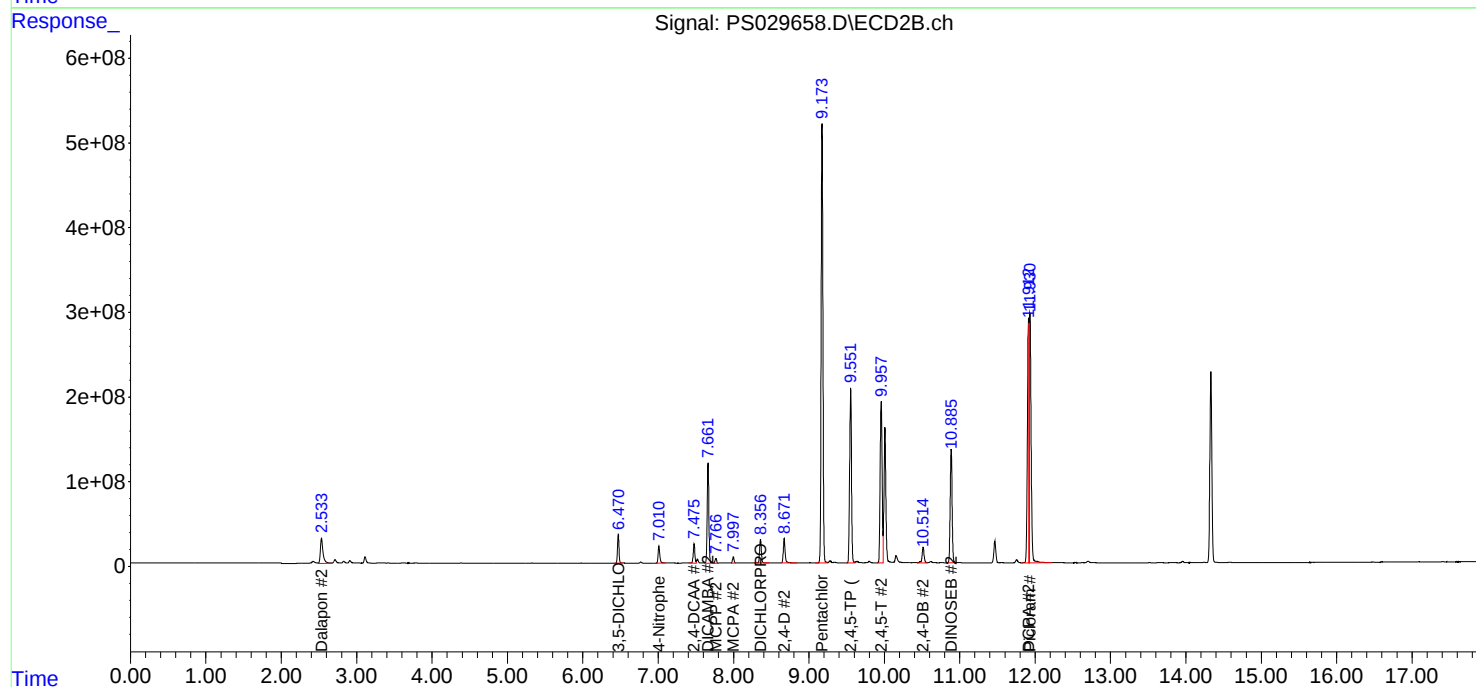
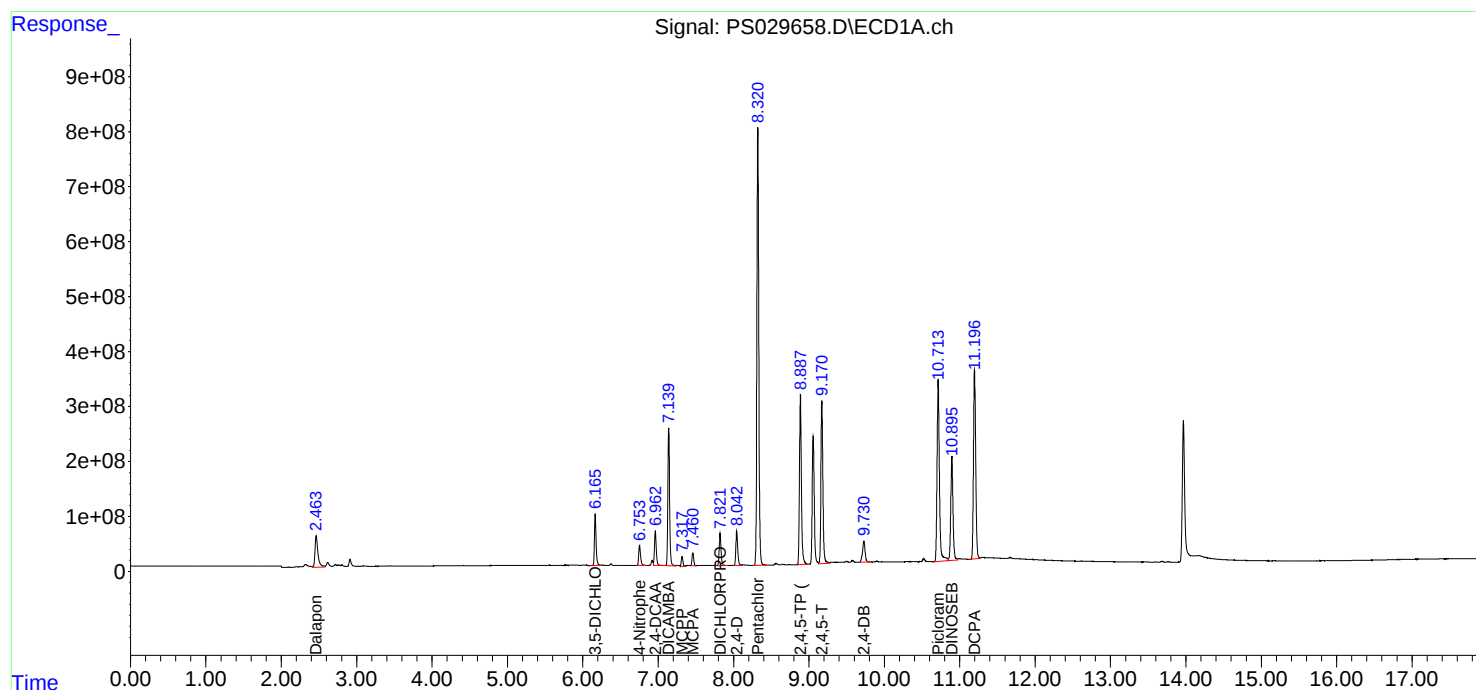
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

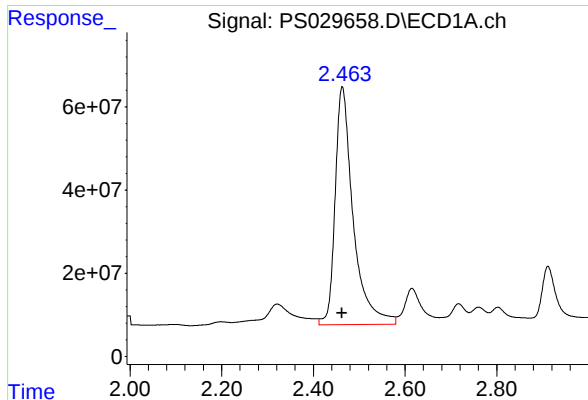
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 17:56
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 21:46:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:45:08 2025
Response via : Initial 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

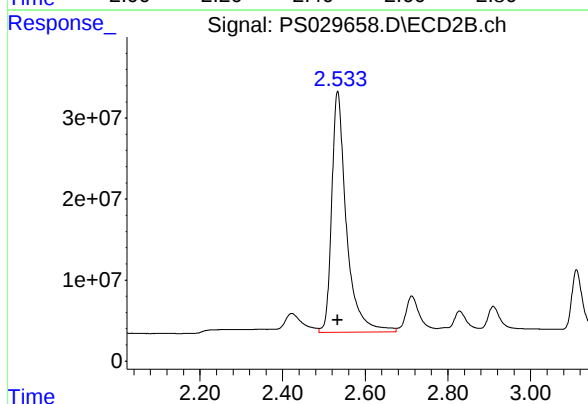




#1 Dalapon

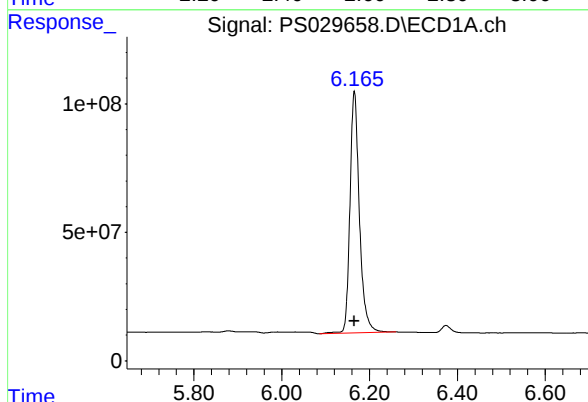
R.T.: 2.463 min
Delta R.T.: 0.000 min
Response: 1566868266
Conc: 479.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



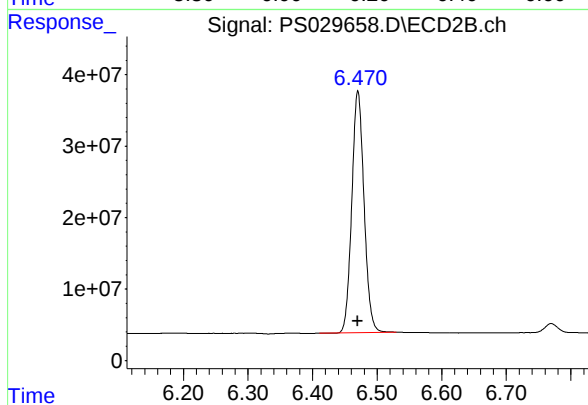
#1 Dalapon

R.T.: 2.533 min
Delta R.T.: 0.000 min
Response: 735543650
Conc: 479.56 ng/ml



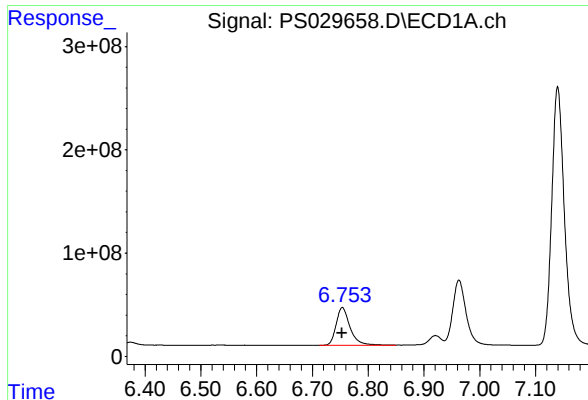
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 1411113725
Conc: 479.83 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

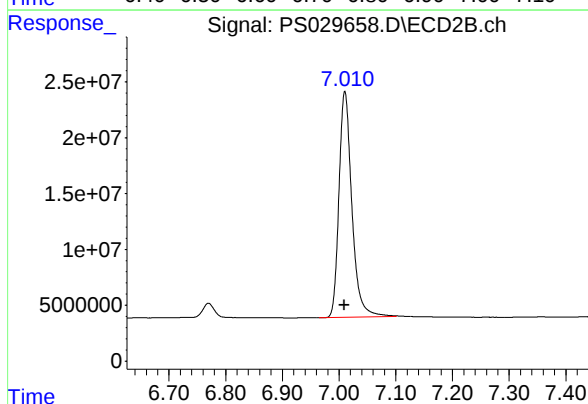
R.T.: 6.470 min
Delta R.T.: 0.000 min
Response: 445759457
Conc: 475.16 ng/ml



#3 4-Nitrophenol

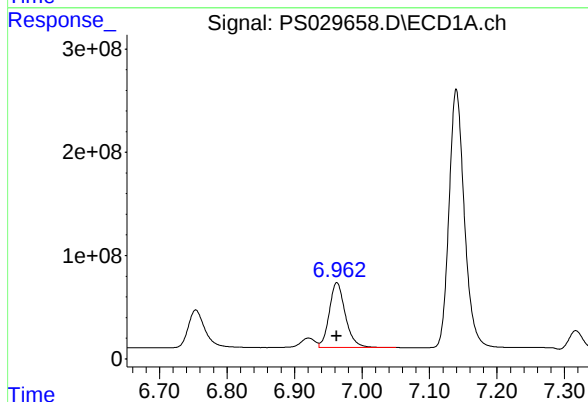
R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 631605452
Conc: 463.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



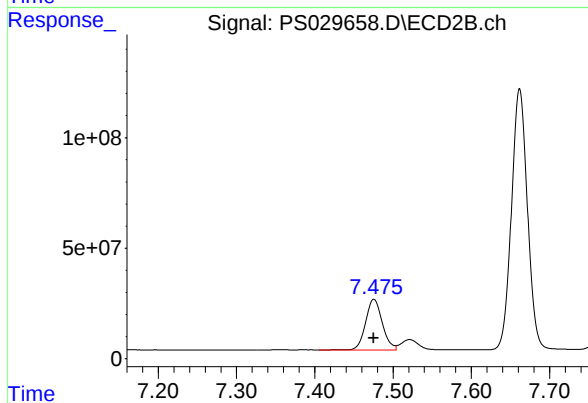
#3 4-Nitrophenol

R.T.: 7.010 min
Delta R.T.: 0.000 min
Response: 320294652
Conc: 468.61 ng/ml



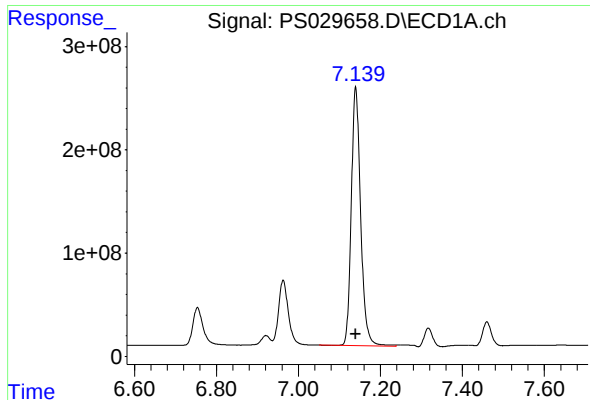
#4 2,4-DCAA

R.T.: 6.963 min
Delta R.T.: 0.000 min
Response: 1034497882
Conc: 522.65 ng/ml



#4 2,4-DCAA

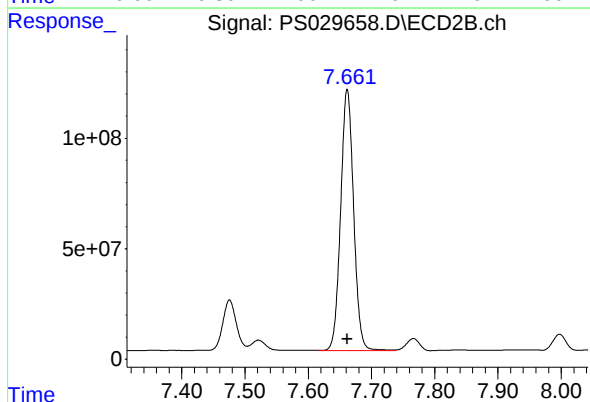
R.T.: 7.476 min
Delta R.T.: 0.000 min
Response: 338796484
Conc: 513.25 ng/ml



#5 DICAMBA

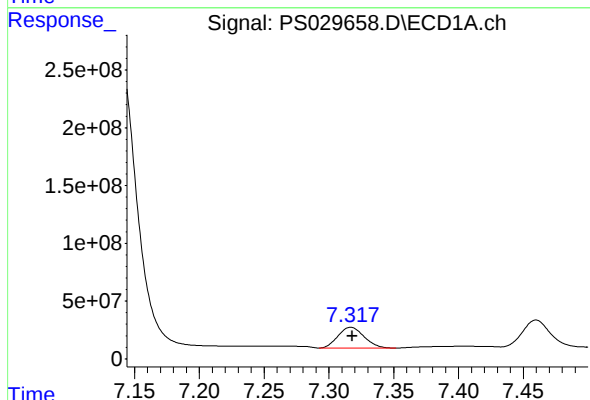
R.T.: 7.140 min
Delta R.T.: 0.000 min
Response: 3988816281
Conc: 481.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



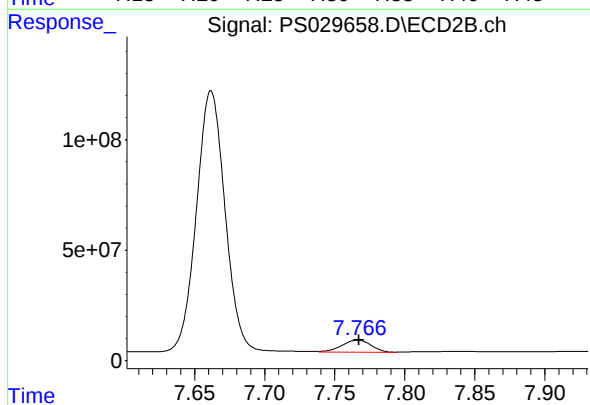
#5 DICAMBA

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 1692444760
Conc: 463.40 ng/ml



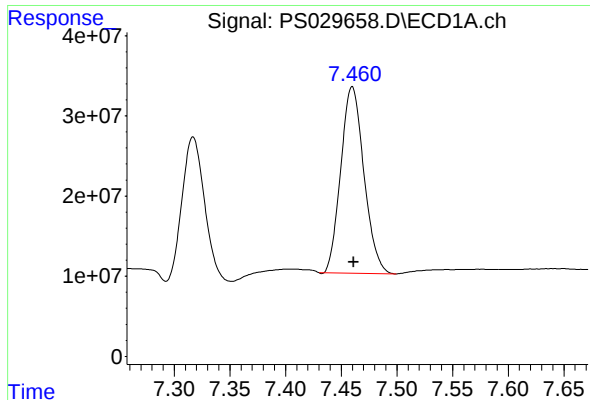
#6 MCPP

R.T.: 7.317 min
Delta R.T.: -0.001 min
Response: 251039502
Conc: 45.58 ug/ml



#6 MCPP

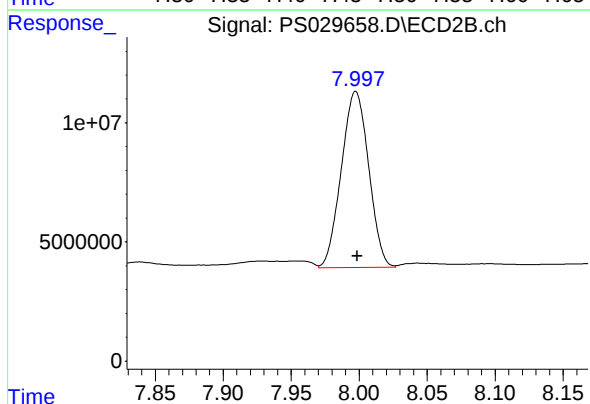
R.T.: 7.766 min
Delta R.T.: -0.001 min
Response: 80048671
Conc: 45.71 ug/ml



#7 MCPA

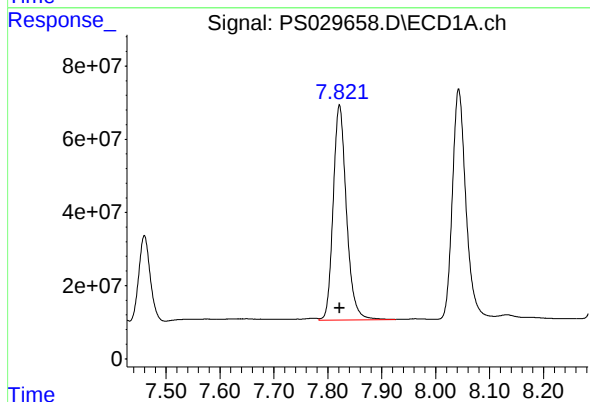
R.T.: 7.460 min
Delta R.T.: -0.001 min
Response: 336773031
Conc: 45.64 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



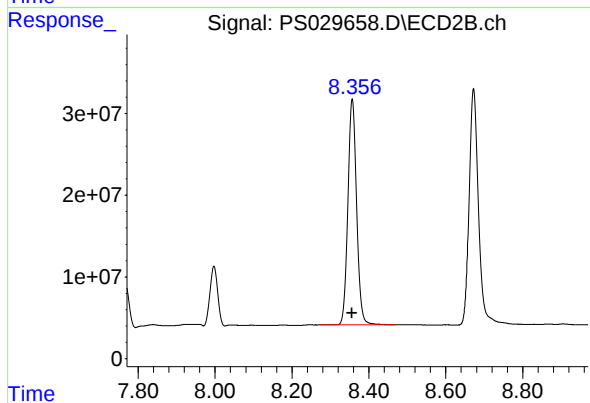
#7 MCPA

R.T.: 7.997 min
Delta R.T.: -0.001 min
Response: 103599616
Conc: 45.59 ug/ml



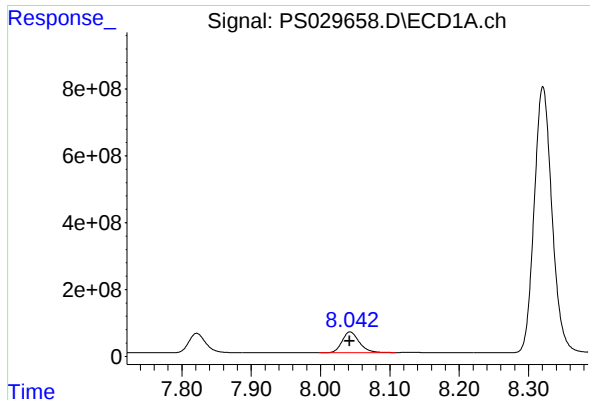
#8 DICHLORPROP

R.T.: 7.822 min
Delta R.T.: 0.000 min
Response: 1008003727
Conc: 487.38 ng/ml



#8 DICHLORPROP

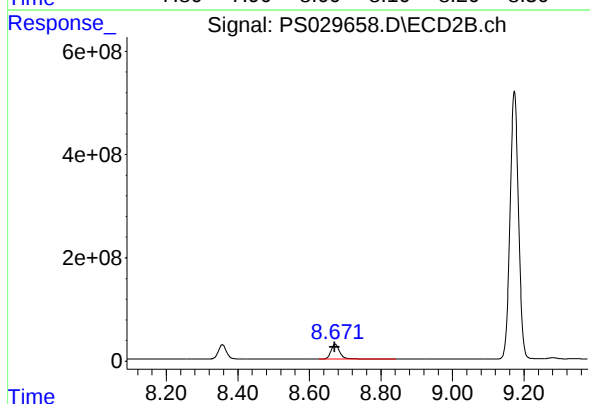
R.T.: 8.357 min
Delta R.T.: 0.000 min
Response: 434816803
Conc: 480.43 ng/ml



#9 2,4-D

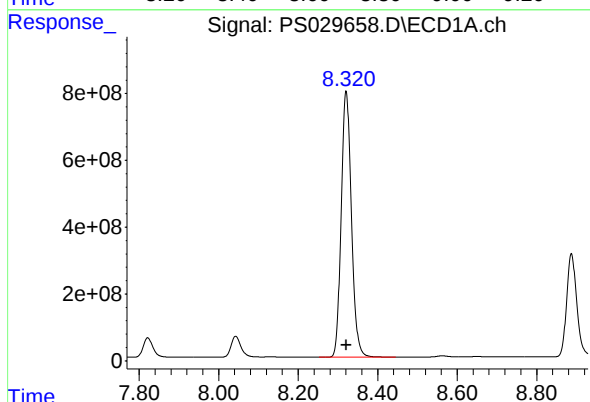
R.T.: 8.043 min
Delta R.T.: 0.000 min
Response: 1097342926
Conc: 483.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



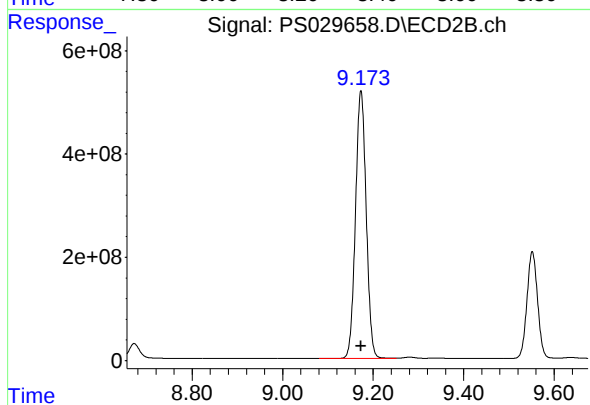
#9 2,4-D

R.T.: 8.672 min
Delta R.T.: 0.000 min
Response: 485813122
Conc: 484.35 ng/ml



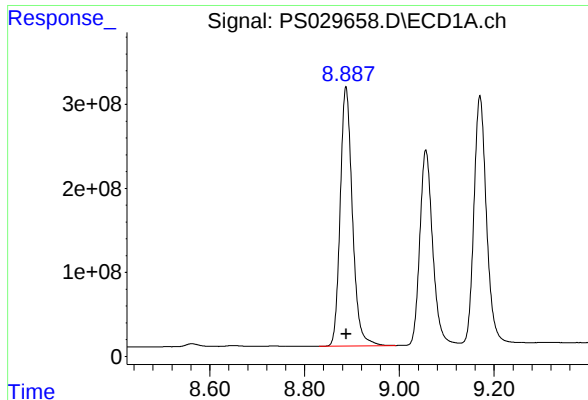
#10 Pentachlorophenol

R.T.: 8.321 min
Delta R.T.: 0.000 min
Response: 14175779414
Conc: 487.60 ng/ml



#10 Pentachlorophenol

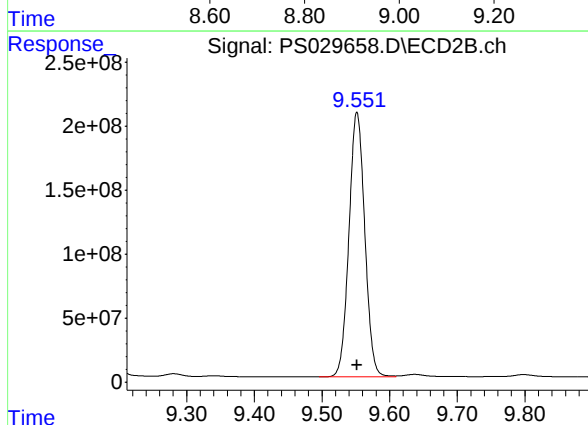
R.T.: 9.173 min
Delta R.T.: 0.000 min
Response: 8509405088
Conc: 480.21 ng/ml



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

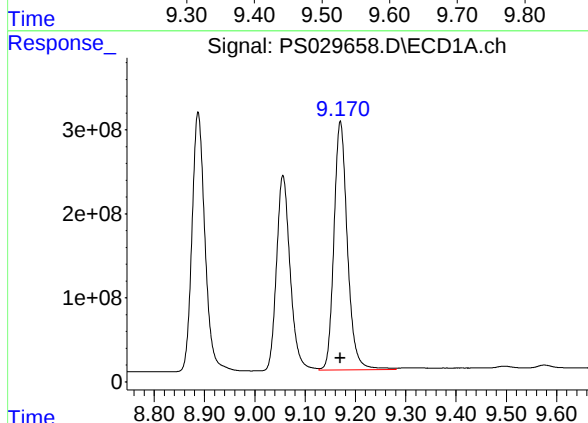
R.T.: 8.887 min
Delta R.T.: 0.000 min
Response: 5495408788
Conc: 485.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



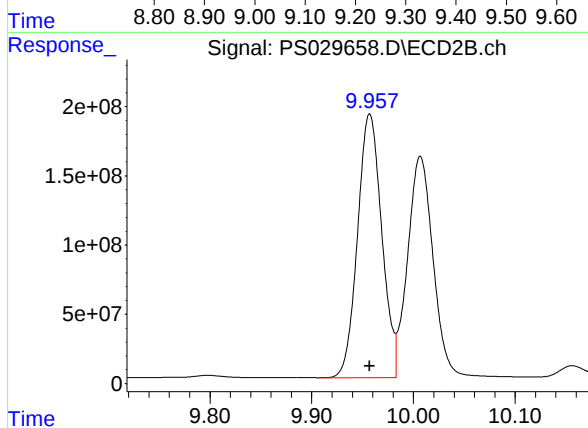
#11 2,4,5-TP (SILVEX)

R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 3355348379
Conc: 475.51 ng/ml



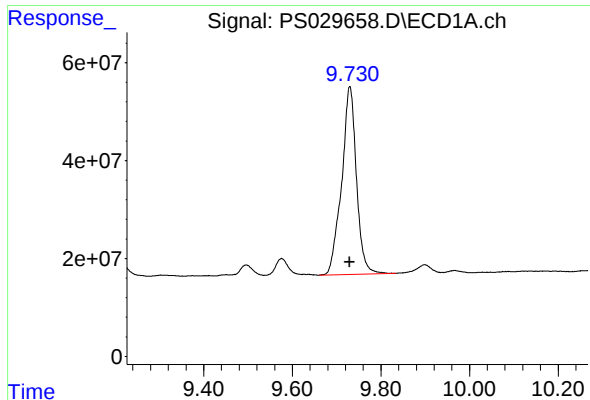
#12 2,4,5-T

R.T.: 9.170 min
Delta R.T.: 0.000 min
Response: 5489170816
Conc: 485.04 ng/ml



#12 2,4,5-T

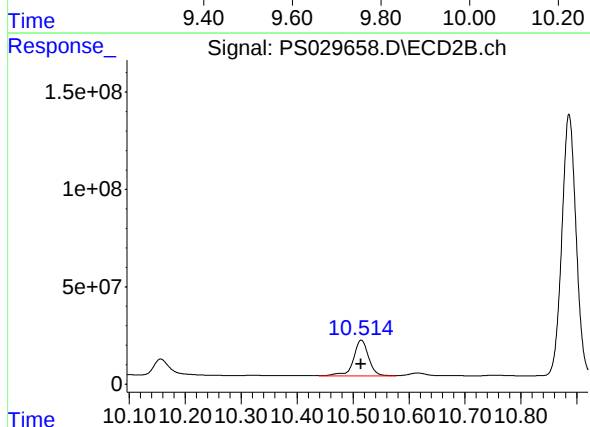
R.T.: 9.957 min
Delta R.T.: 0.000 min
Response: 3151075409
Conc: 476.80 ng/ml



#13 2,4-DB

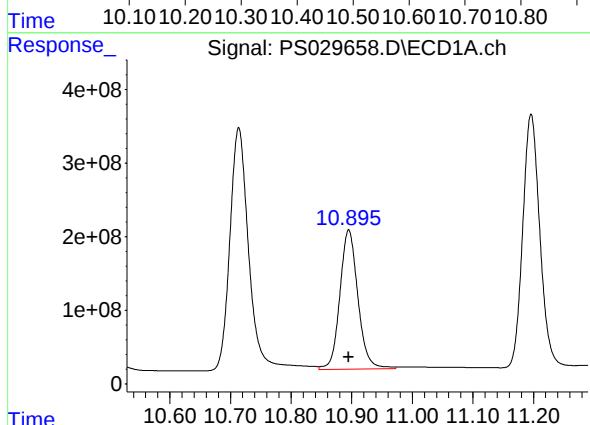
R.T.: 9.730 min
Delta R.T.: 0.000 min
Response: 891959970
Conc: 475.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



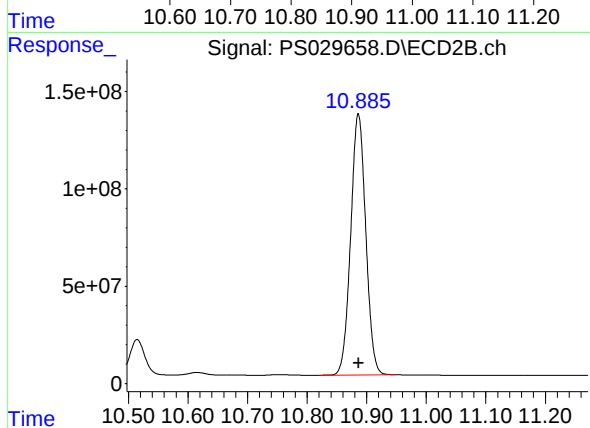
#13 2,4-DB

R.T.: 10.515 min
Delta R.T.: 0.000 min
Response: 347581679
Conc: 486.13 ng/ml



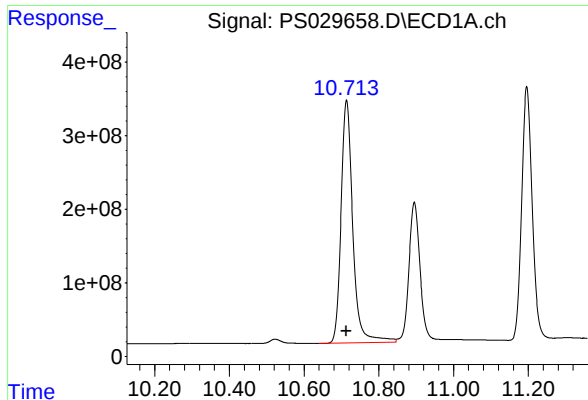
#14 DINOSEB

R.T.: 10.895 min
Delta R.T.: 0.000 min
Response: 3924458399
Conc: 473.10 ng/ml



#14 DINOSEB

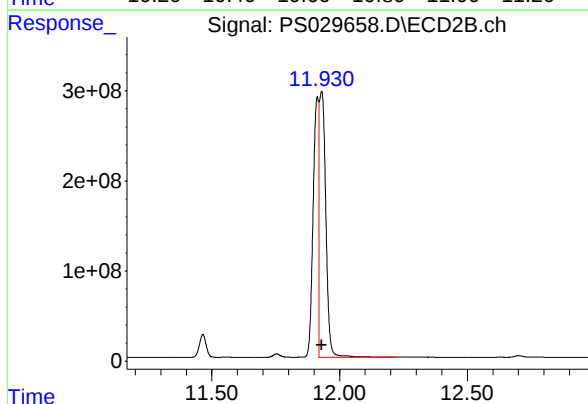
R.T.: 10.886 min
Delta R.T.: 0.000 min
Response: 2357060783
Conc: 475.97 ng/ml



#15 Picloram

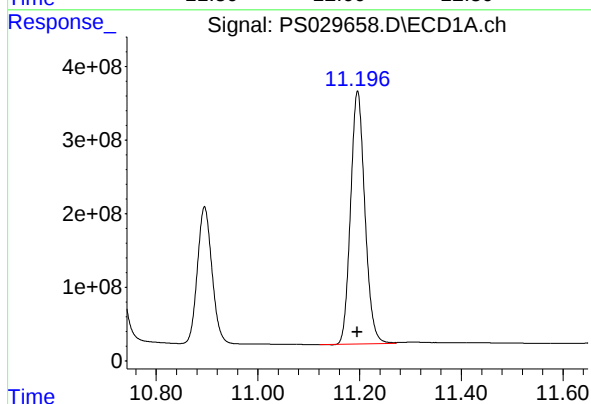
R.T.: 10.714 min
Delta R.T.: 0.000 min
Response: 7202160458
Conc: 474.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



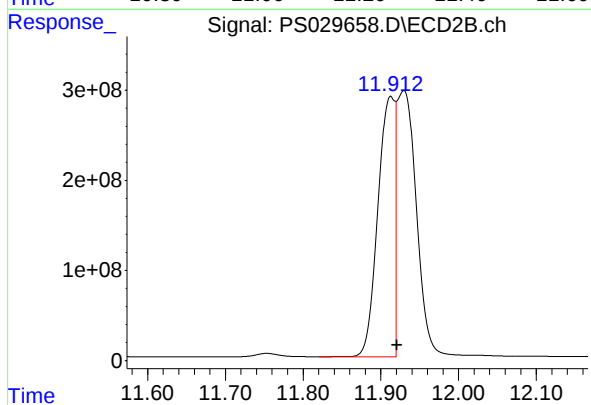
#15 Picloram

R.T.: 11.930 min
Delta R.T.: 0.000 min
Response: 5259679555
Conc: 474.41 ng/ml



#16 DCPA

R.T.: 11.196 min
Delta R.T.: 0.000 min
Response: 6699492104
Conc: 486.49 ng/ml



#16 DCPA

R.T.: 11.913 min
Delta R.T.: -0.008 min
Response: 4331176272
Conc: 430.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029659.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 18:44
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 21:47:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:45:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	6.963	7.475	1484.5E6	495.1E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.463	2.533	2228.4E6	1046.8E6	682.500	682.500
2) T	3,5-DICHL...	6.165	6.470	2051.3E6	654.3E6	697.500	697.500
3) T	4-Nitroph...	6.753	7.009	929.4E6	466.5E6	682.500	682.500
5) T	DICAMBA	7.140	7.662	5837.2E6	2574.8E6	705.000	705.000
6) T	MCP	7.318	7.767	388.3E6	123.5E6	70.500	70.500
7) T	MCPA	7.461	7.999	514.6E6	158.5E6	69.750	69.750
8) T	DICHLORPROP	7.822	8.356	1458.1E6	638.1E6	705.000	705.000
9) T	2,4-D	8.042	8.671	1598.6E6	707.1E6	705.000	705.000
10) T	Pentachlo...	8.321	9.173	20714.3E6	12625.5E6	712.500	712.500
11) T	2,4,5-TP ...	8.888	9.551	8065.8E6	5027.7E6	712.500	712.500
12) T	2,4,5-T	9.170	9.957	8063.3E6	4708.7E6	712.500	712.500
13) T	2,4-DB	9.729	10.514	1337.9E6	509.4E6	712.500	712.500
14) T	DINOSEB	10.895	10.887	5848.2E6	3491.3E6	705.000	705.000
15) T	Picloram	10.713	11.930	10818.9E6	8266.2E6	712.500	745.591m
16) T	DCPA	11.195	11.913	9915.1E6	5912.6E6	720.000	588.309m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 18:44
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations

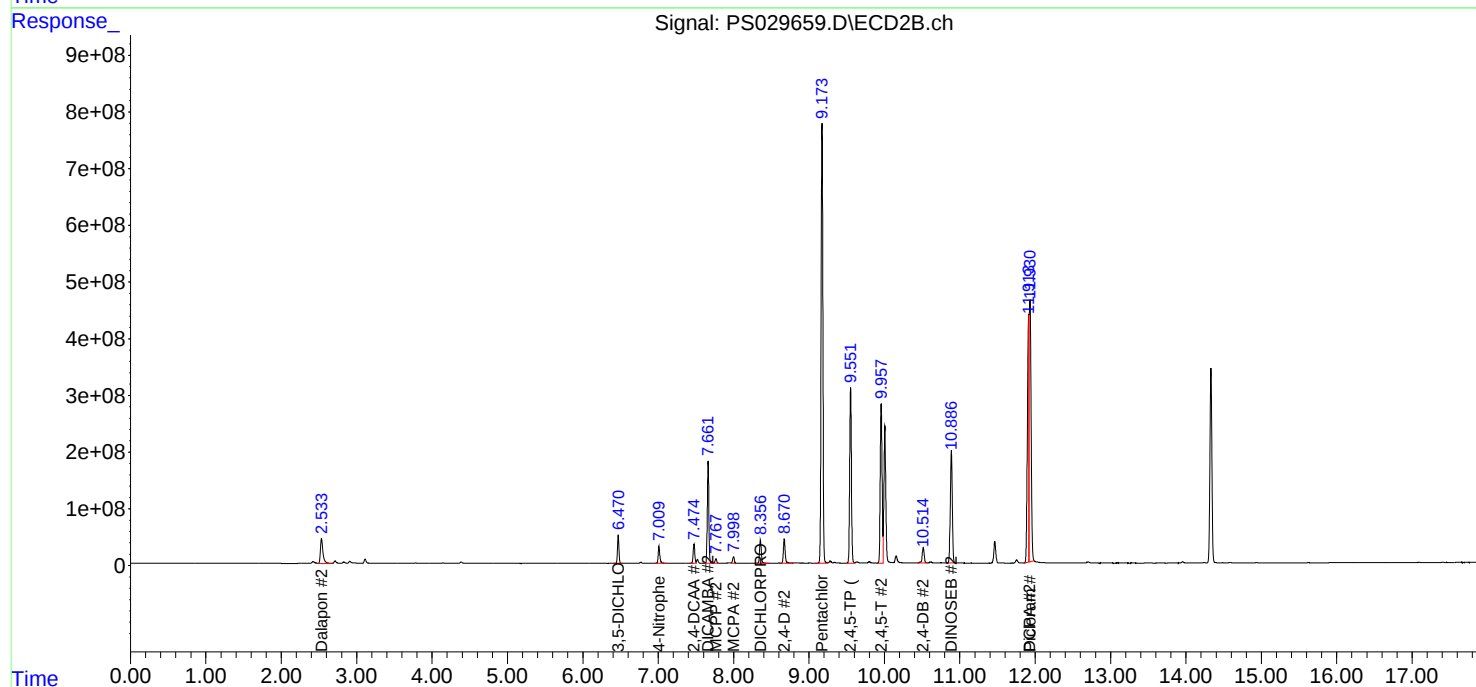
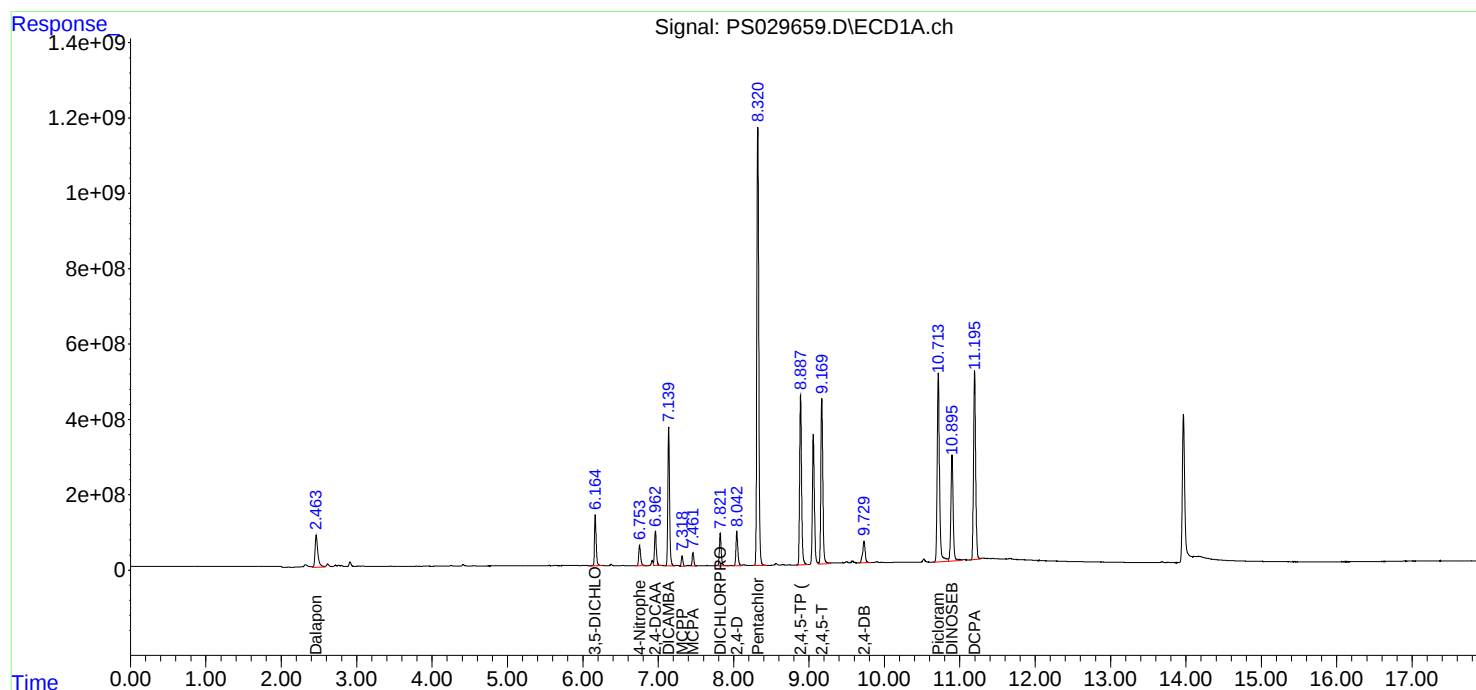
APPROVED

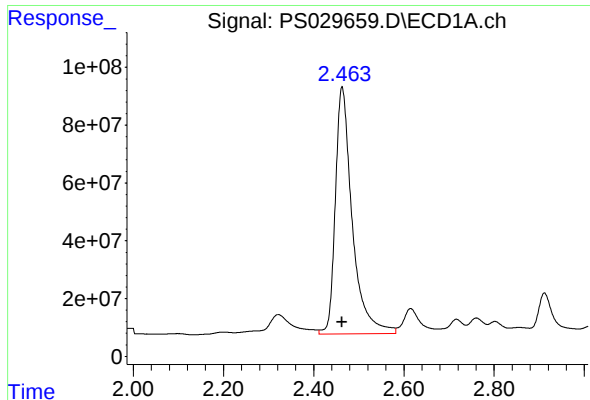
Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 21:47:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:45:08 2025
Response via : Initial 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





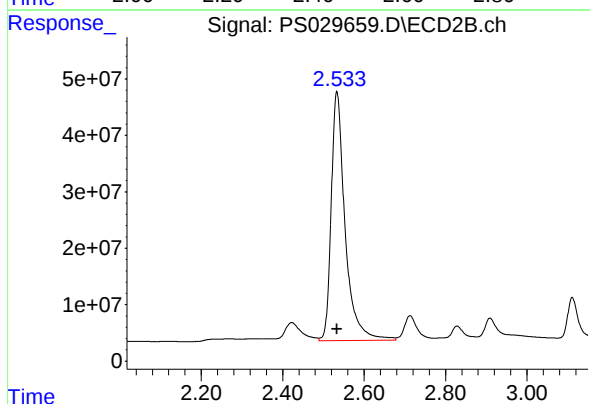
#1 Dalapon

R.T.: 2.463 min
Delta R.T.: 0.000 min
Response: 2228384729
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

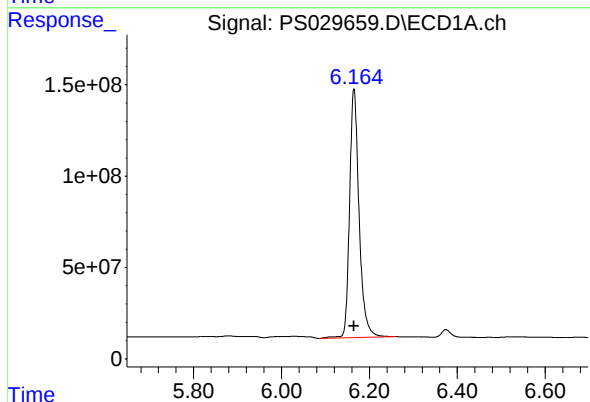
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



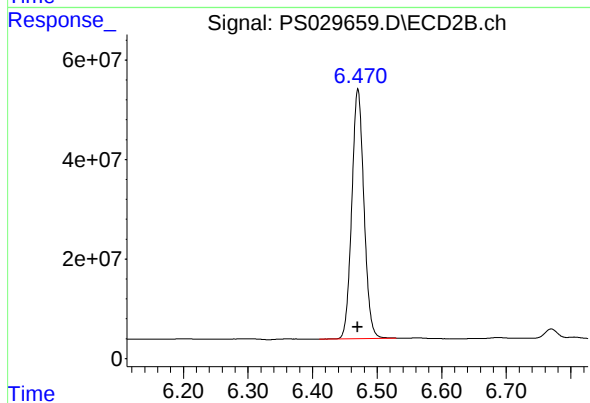
#1 Dalapon

R.T.: 2.533 min
Delta R.T.: 0.000 min
Response: 1046813946
Conc: 682.50 ng/ml



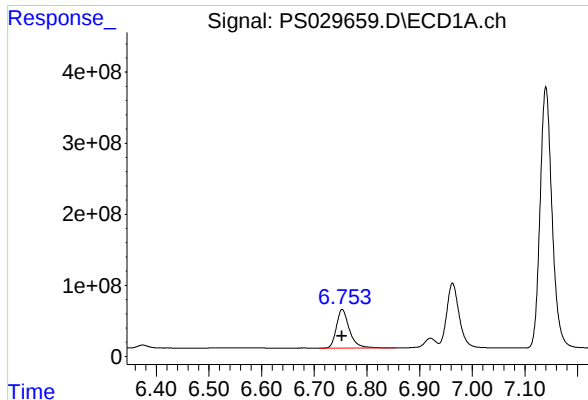
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 2051257915
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.470 min
Delta R.T.: 0.000 min
Response: 654341240
Conc: 697.50 ng/ml



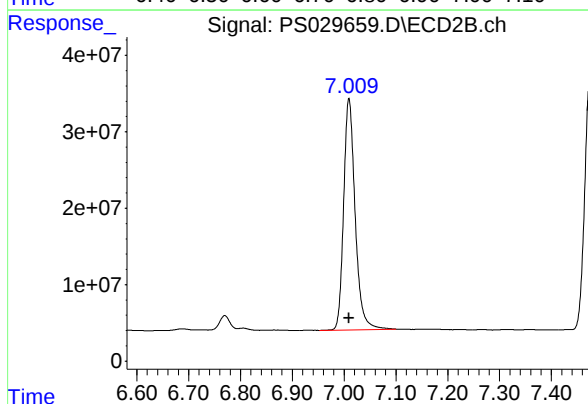
#3 4-Nitrophenol

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 929448251
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

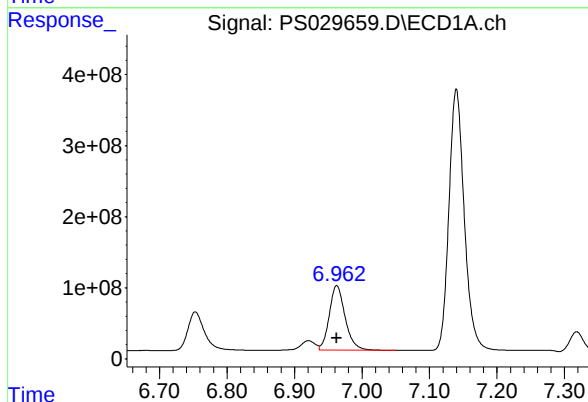
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



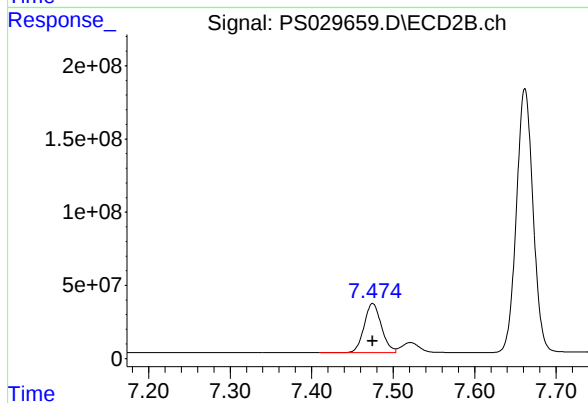
#3 4-Nitrophenol

R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 466483862
Conc: 682.50 ng/ml



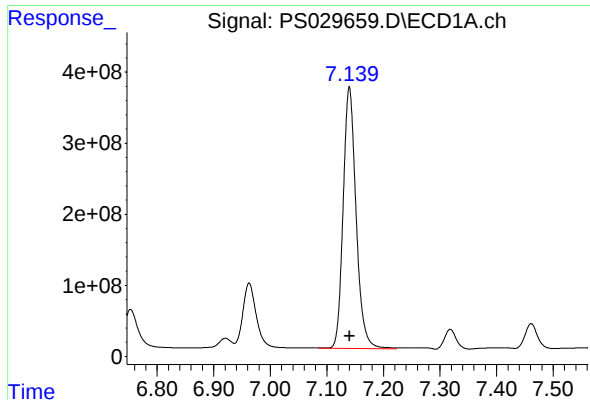
#4 2,4-DCAA

R.T.: 6.963 min
Delta R.T.: 0.000 min
Response: 1484503787
Conc: 750.00 ng/ml



#4 2,4-DCAA

R.T.: 7.475 min
Delta R.T.: 0.000 min
Response: 495076303
Conc: 750.00 ng/ml



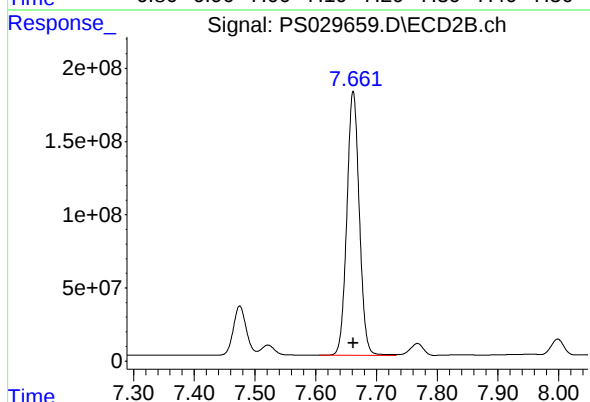
#5 DICAMBA

R.T.: 7.140 min
Delta R.T.: 0.000 min
Response: 5837239041
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

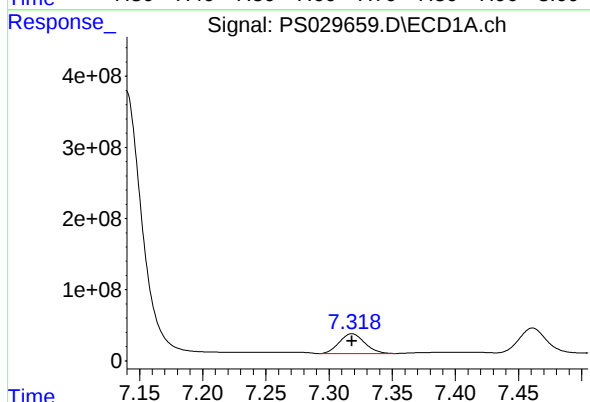
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



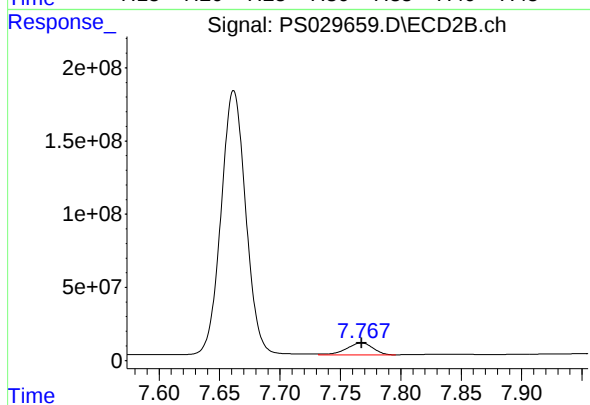
#5 DICAMBA

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 2574833457
Conc: 705.00 ng/ml



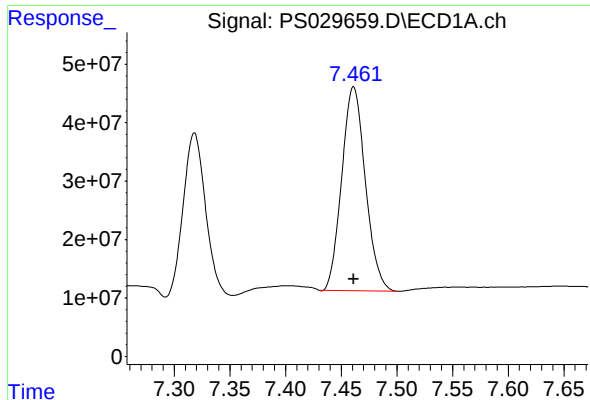
#6 MCPP

R.T.: 7.318 min
Delta R.T.: 0.000 min
Response: 388273166
Conc: 70.50 ug/ml



#6 MCPP

R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 123459301
Conc: 70.50 ug/ml



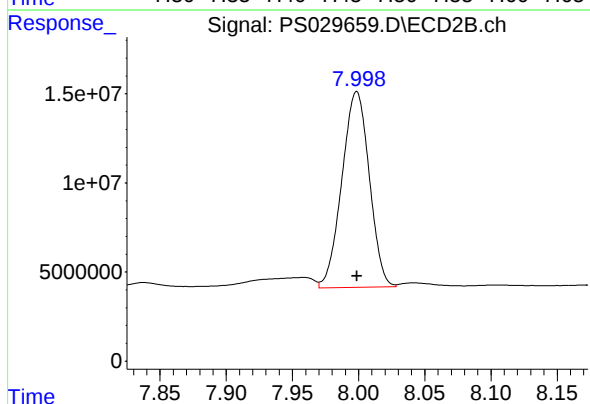
#7 MCPA

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 514646256
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

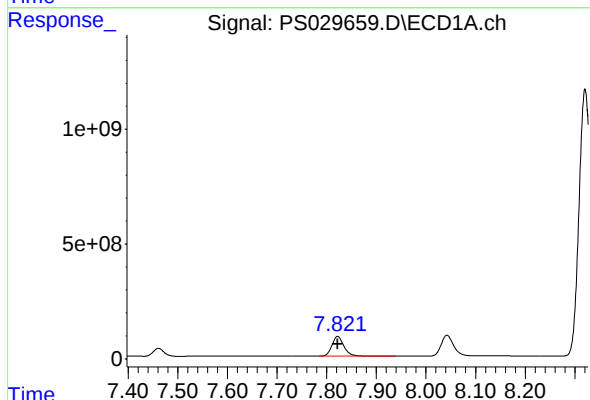
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



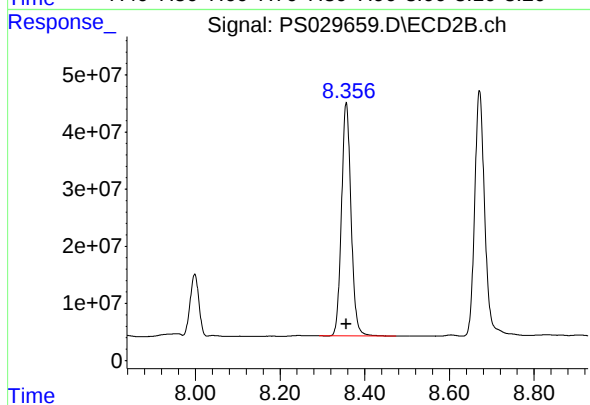
#7 MCPA

R.T.: 7.999 min
Delta R.T.: 0.000 min
Response: 158487737
Conc: 69.75 ug/ml



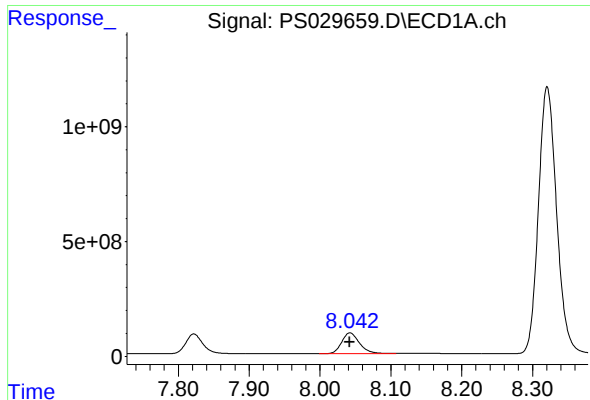
#8 DICHLORPROP

R.T.: 7.822 min
Delta R.T.: 0.000 min
Response: 1458089230
Conc: 705.00 ng/ml



#8 DICHLORPROP

R.T.: 8.356 min
Delta R.T.: 0.000 min
Response: 638070319
Conc: 705.00 ng/ml



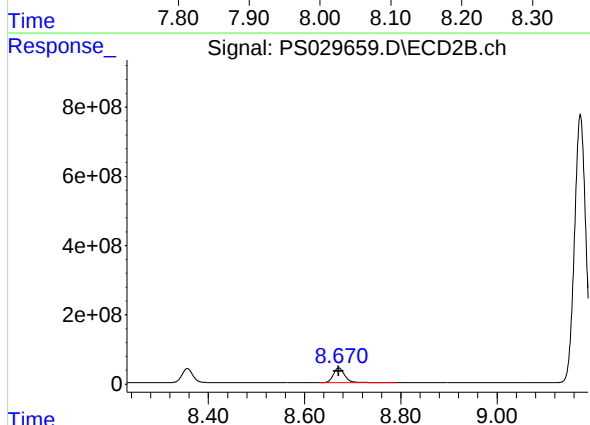
#9 2,4-D

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 1598642604
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

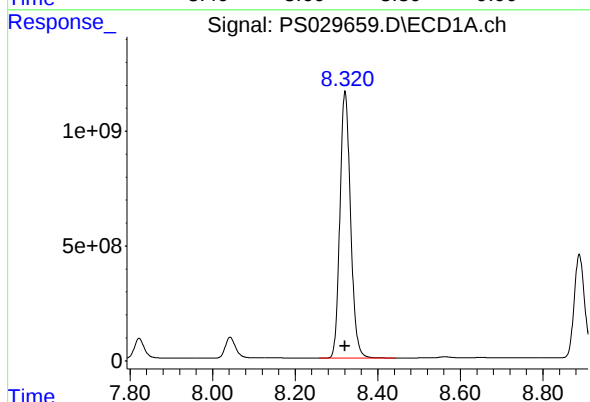
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



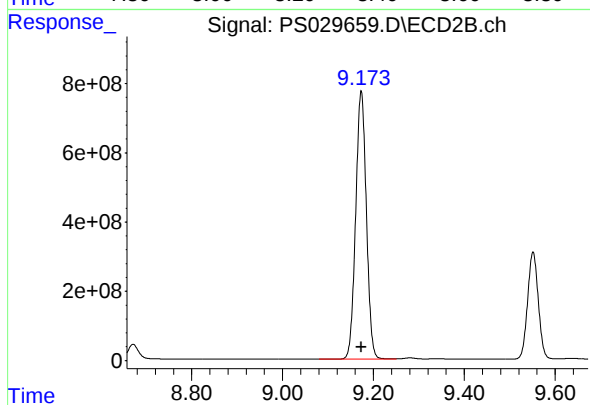
#9 2,4-D

R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 707133970
Conc: 705.00 ng/ml



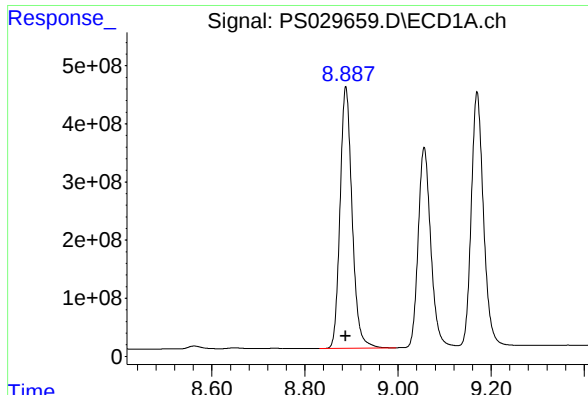
#10 Pentachlorophenol

R.T.: 8.321 min
Delta R.T.: 0.000 min
Response: 20714283824
Conc: 712.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.173 min
Delta R.T.: 0.000 min
Response: 12625547070
Conc: 712.50 ng/ml



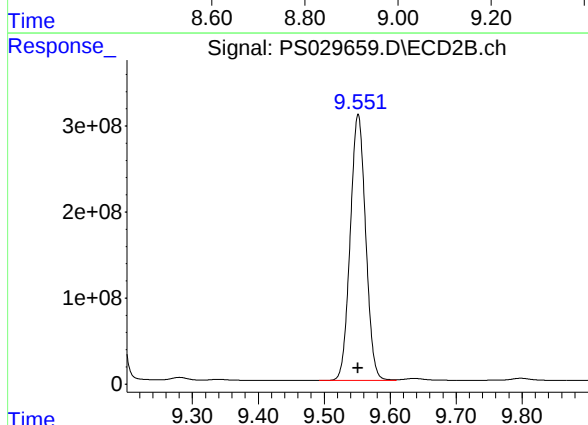
#11 2,4,5-TP (SILVEX)

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 8065771048
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

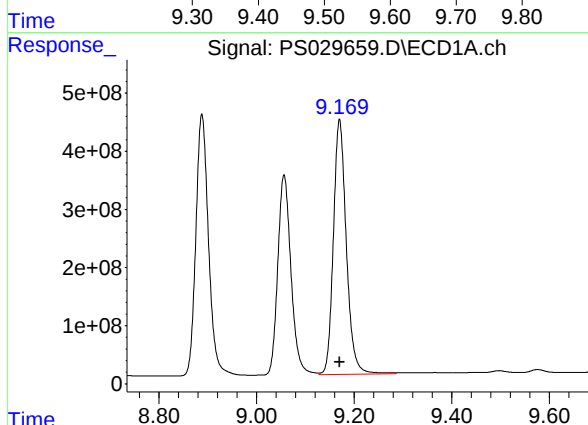
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



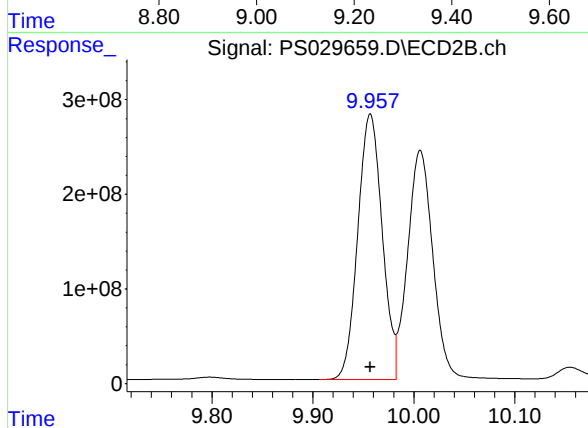
#11 2,4,5-TP (SILVEX)

R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 5027671480
Conc: 712.50 ng/ml



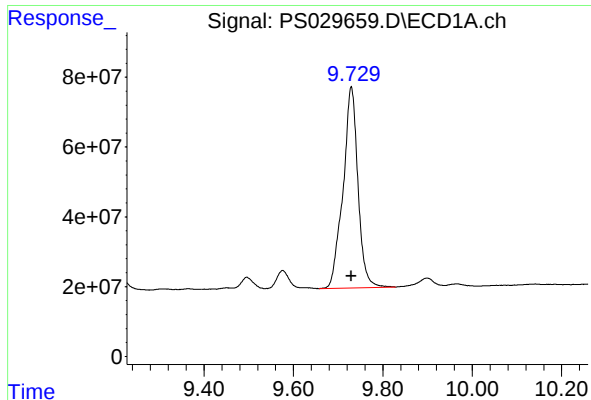
#12 2,4,5-T

R.T.: 9.170 min
Delta R.T.: 0.000 min
Response: 8063347000
Conc: 712.50 ng/ml



#12 2,4,5-T

R.T.: 9.957 min
Delta R.T.: 0.000 min
Response: 4708725173
Conc: 712.50 ng/ml



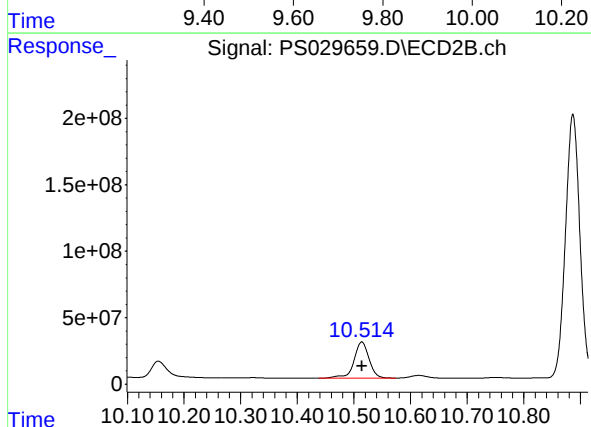
#13 2,4-DB

R.T.: 9.729 min
Delta R.T.: 0.000 min
Response: 1337934625
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

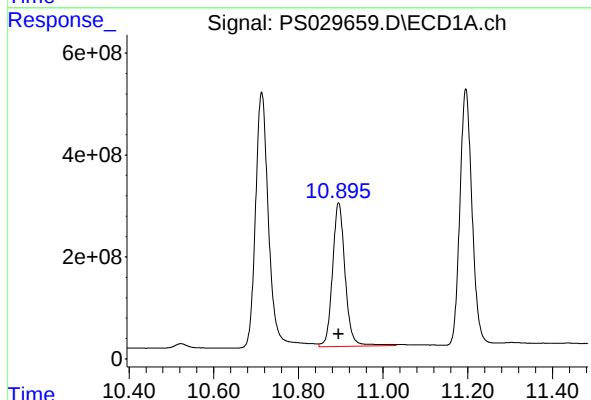
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



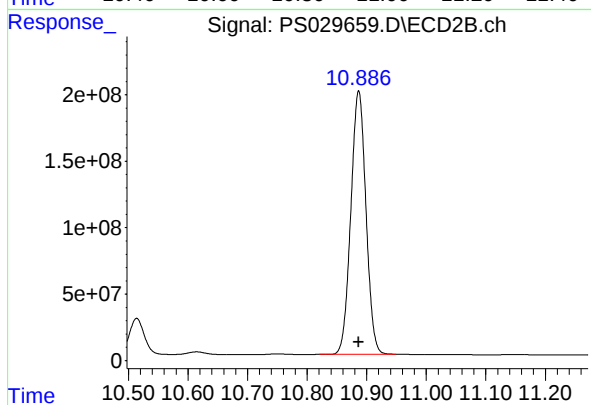
#13 2,4-DB

R.T.: 10.514 min
Delta R.T.: 0.000 min
Response: 509432895
Conc: 712.50 ng/ml



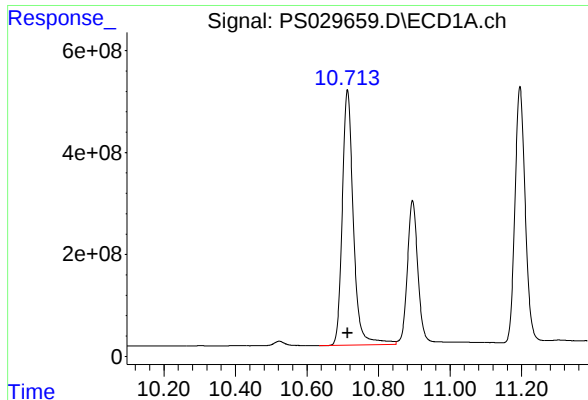
#14 DINOSEB

R.T.: 10.895 min
Delta R.T.: 0.000 min
Response: 5848156275
Conc: 705.00 ng/ml



#14 DINOSEB

R.T.: 10.887 min
Delta R.T.: 0.000 min
Response: 3491268927
Conc: 705.00 ng/ml



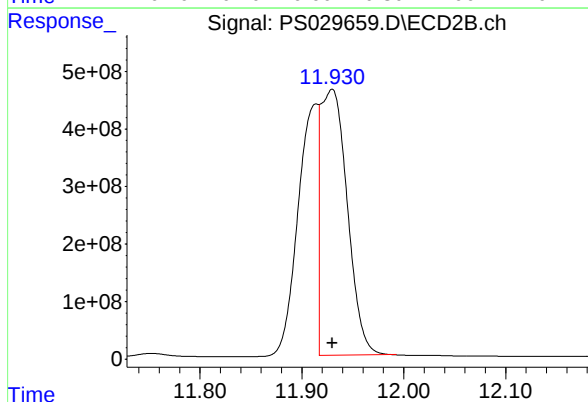
#15 Picloram

R.T.: 10.713 min
Delta R.T.: 0.000 min
Response: 10818873063
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

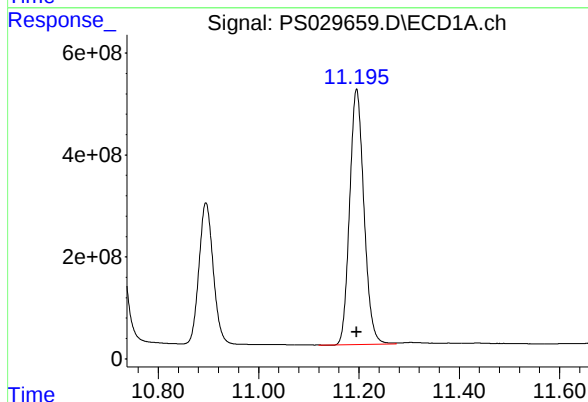
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



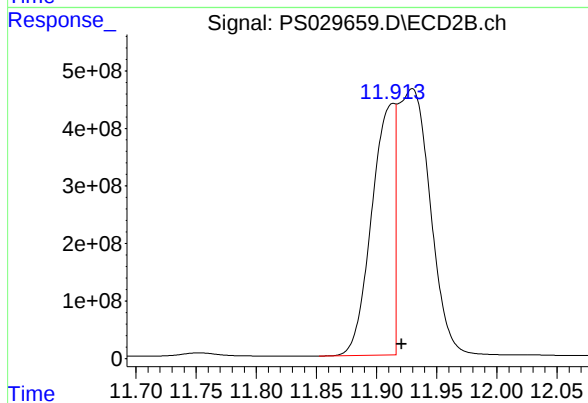
#15 Picloram

R.T.: 11.930 min
Delta R.T.: 0.000 min
Response: 8266209349
Conc: 745.59 ng/ml m



#16 DCPA

R.T.: 11.195 min
Delta R.T.: 0.000 min
Response: 9915081854
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 11.913 min
Delta R.T.: -0.007 min
Response: 5912584742
Conc: 588.31 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029660.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 19:32
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1000

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 21:47:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:45:08 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	6.963	7.475	1949.0E6	658.6E6	984.687	997.781
Target Compounds							
1) T	Dalapon	2.463	2.533	2931.9E6	1379.7E6	897.971	899.538
2) T	3,5-DICHL...	6.165	6.471	2698.4E6	869.7E6	917.551	927.061
3) T	4-Nitroph...	6.753	7.010	1229.4E6	617.9E6	902.763	903.979
5) T	DICAMBA	7.140	7.662	7768.3E6	3498.9E6	938.223	958.015
6) T	MCPD	7.319	7.769	543.2E6	167.9E6	98.636	95.855
7) T	MCPA	7.463	8.001	699.2E6	216.5E6	94.768	95.274
8) T	DICHLORPROP	7.822	8.357	1904.9E6	846.0E6	921.024	934.778
9) T	2,4-D	8.043	8.671	2112.0E6	943.5E6	931.373	940.657
10) T	Pentachlo...	8.322	9.174	27238.3E6	16770.4E6	936.904	946.407
11) T	2,4,5-TP ...	8.888	9.552	10687.3E6	6736.3E6	944.073	954.635
12) T	2,4,5-T	9.170	9.957	10696.9E6	6311.3E6	945.212	954.996
13) T	2,4-DB	9.730	10.515	1781.8E6	690.0E6	948.880	965.102
14) T	DINOSEB	10.895	10.887	7700.3E6	4684.3E6	928.272	945.920
15) T	Picloram	10.713	11.929	14447.2E6	12036.9E6	951.454	1085.696m
16) T	DCPA	11.196	11.916	13124.1E6	7801.9E6	953.028	776.299m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029660.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 19:32
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

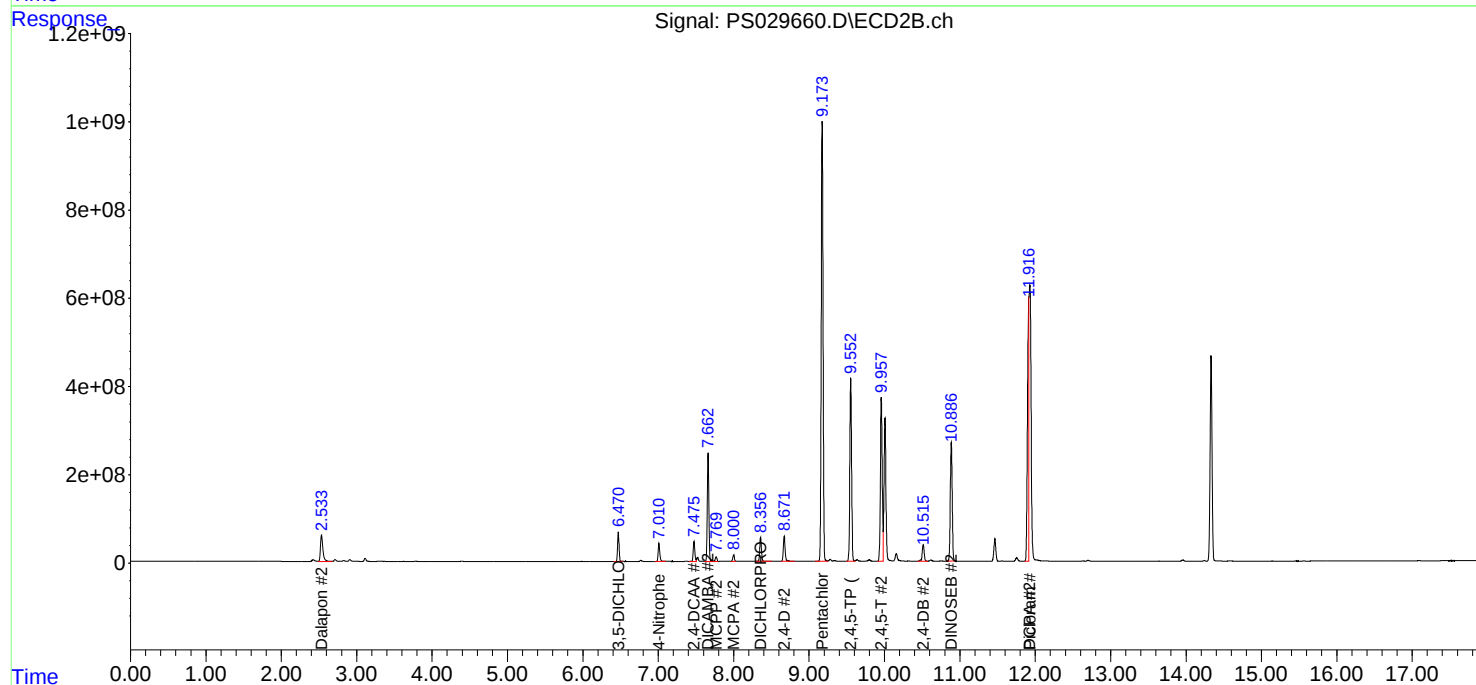
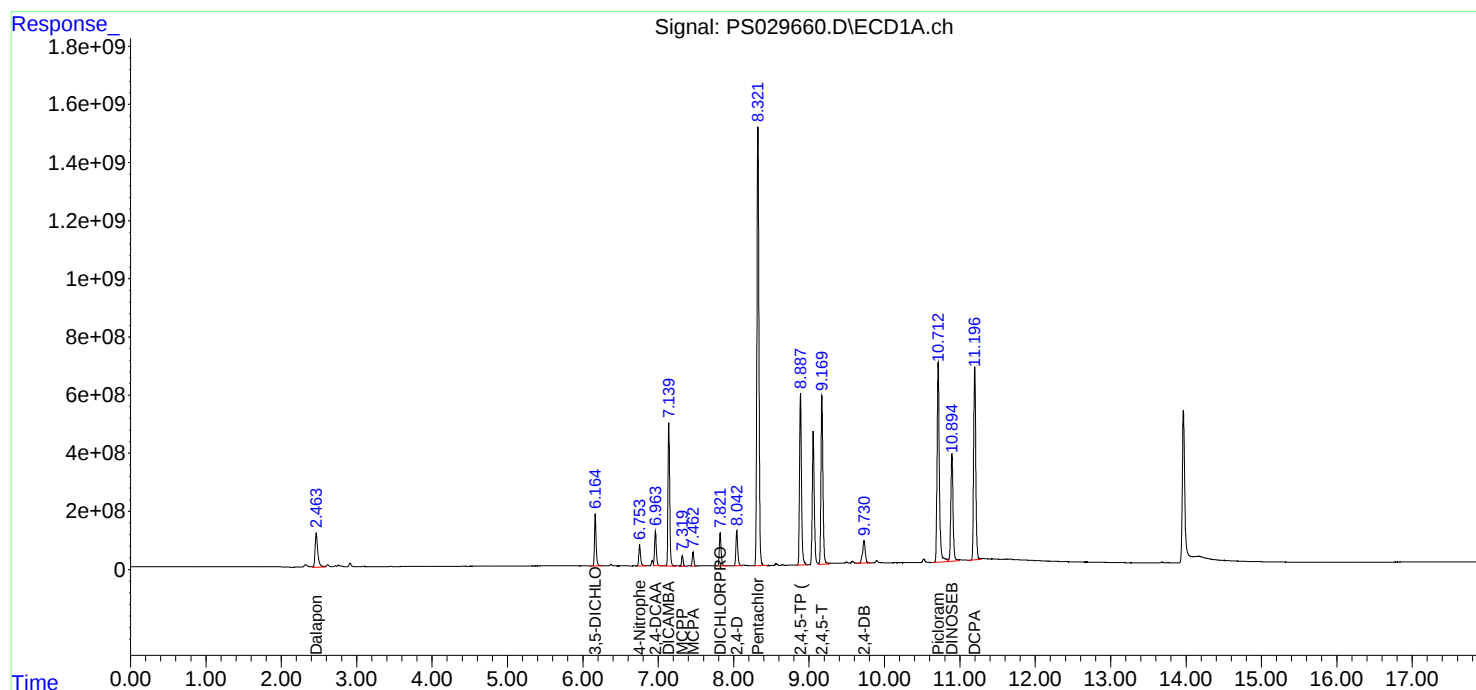
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

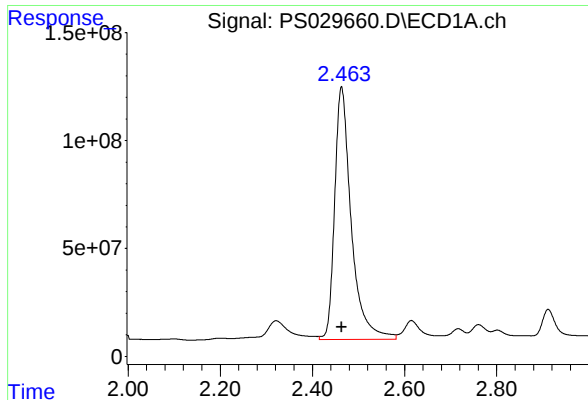
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/03/2025
Supervised By : mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 21:47:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:45:08 2025
Response via : Initial 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.: 2.463 min
Delta R.T.: 0.000 min
Response: 2931904194
Conc: 897.97 ng/ml

Instrument :

ECD_S

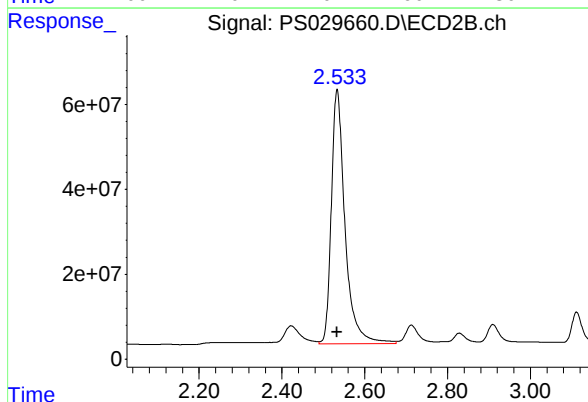
ClientSampleId :

HSTDICC1000

Manual Integrations

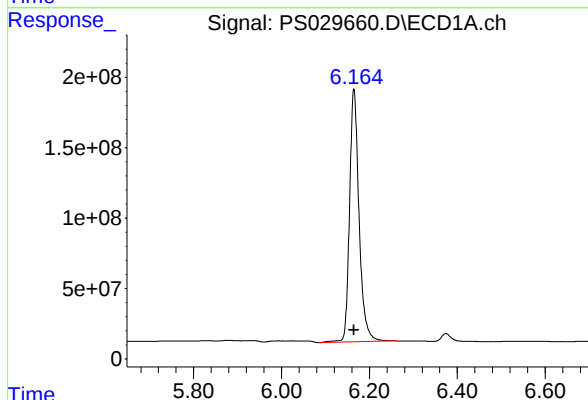
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



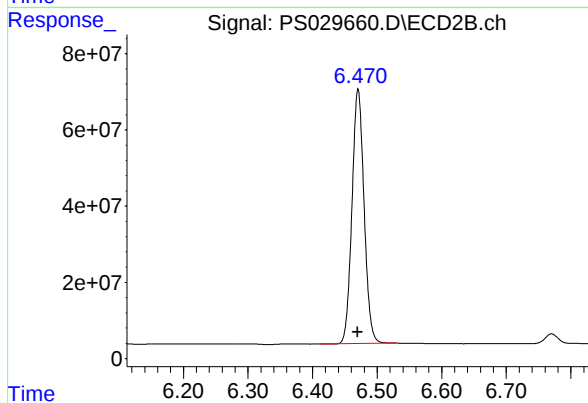
#1 Dalapon

R.T.: 2.533 min
Delta R.T.: 0.000 min
Response: 1379704778
Conc: 899.54 ng/ml



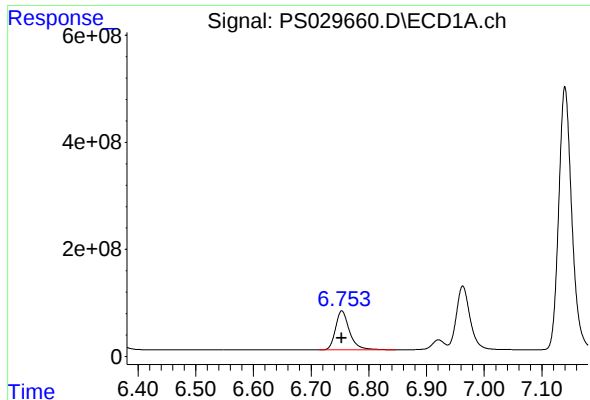
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 2698400361
Conc: 917.55 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.471 min
Delta R.T.: 0.000 min
Response: 869698084
Conc: 927.06 ng/ml



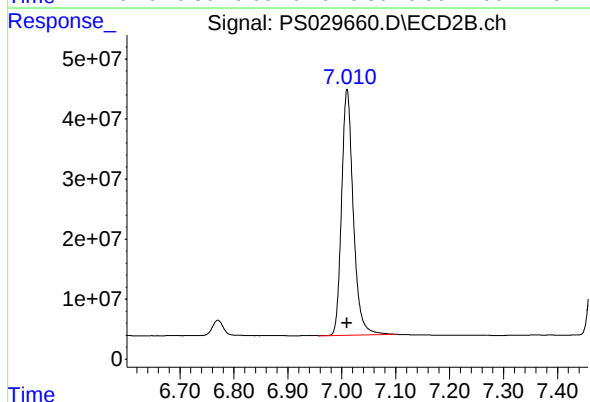
#3 4-Nitrophenol

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 1229408712
Conc: 902.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

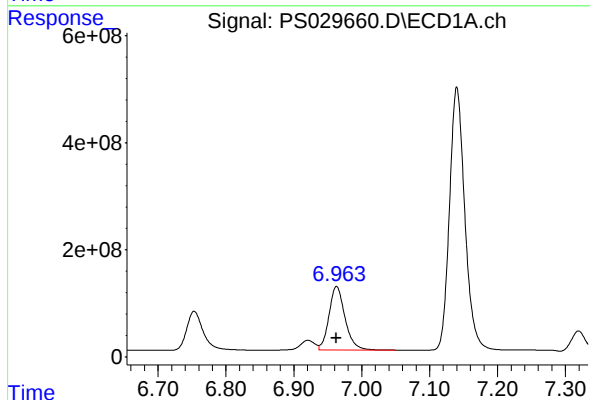
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



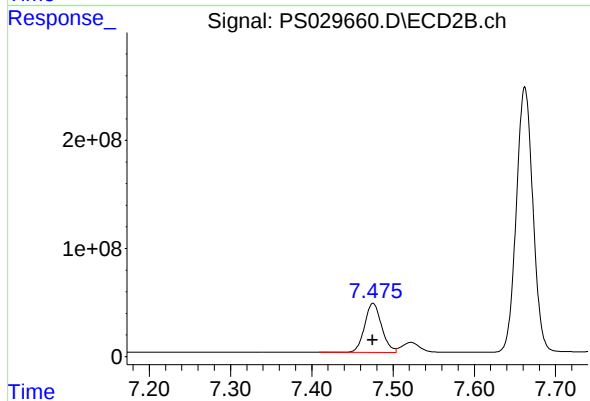
#3 4-Nitrophenol

R.T.: 7.010 min
Delta R.T.: 0.000 min
Response: 617862993
Conc: 903.98 ng/ml



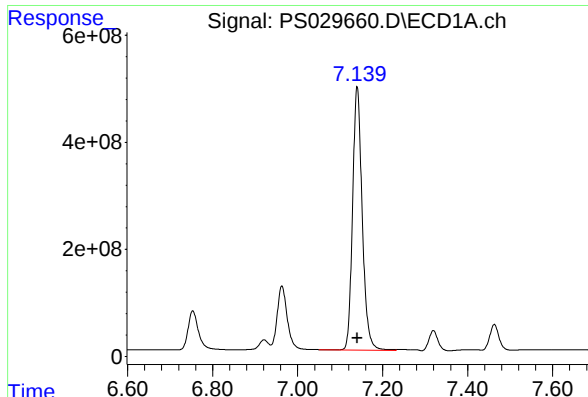
#4 2,4-DCAA

R.T.: 6.963 min
Delta R.T.: 0.000 min
Response: 1949027966
Conc: 984.69 ng/ml



#4 2,4-DCAA

R.T.: 7.475 min
Delta R.T.: 0.000 min
Response: 658637284
Conc: 997.78 ng/ml



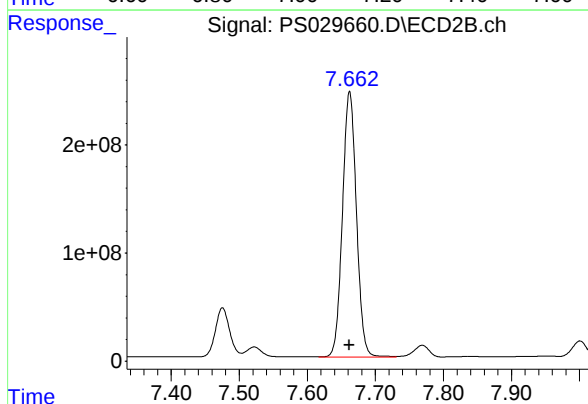
#5 DICAMBA

R.T.: 7.140 min
Delta R.T.: 0.000 min
Response: 7768270498
Conc: 938.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

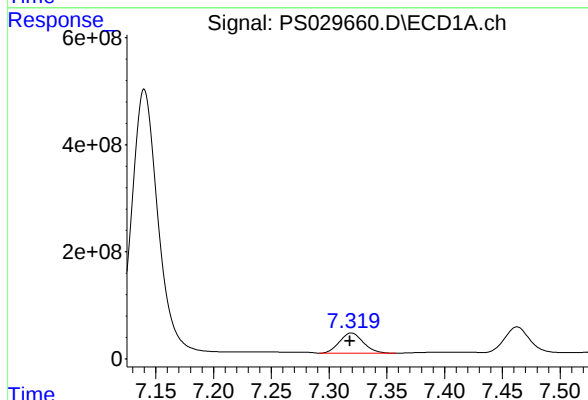
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



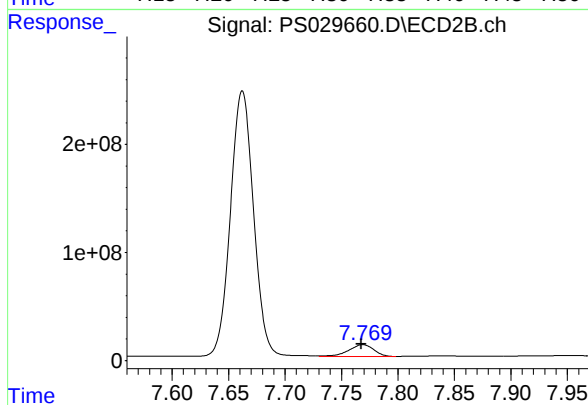
#5 DICAMBA

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 3498905684
Conc: 958.01 ng/ml



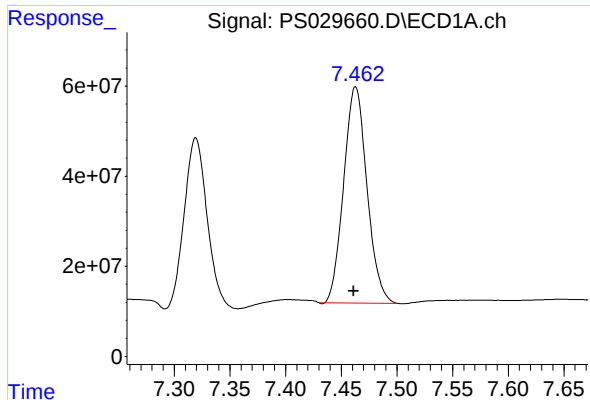
#6 MCPP

R.T.: 7.319 min
Delta R.T.: 0.001 min
Response: 543229329
Conc: 98.64 ug/ml



#6 MCPP

R.T.: 7.769 min
Delta R.T.: 0.002 min
Response: 167861106
Conc: 95.86 ug/ml



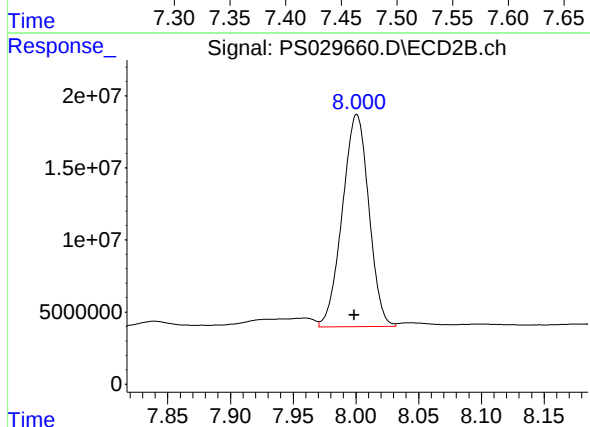
#7 MCPA

R.T.: 7.463 min
Delta R.T.: 0.002 min
Response: 699238388
Conc: 94.77 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

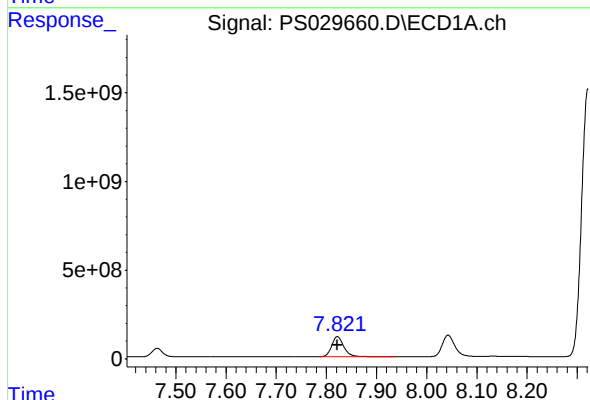
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



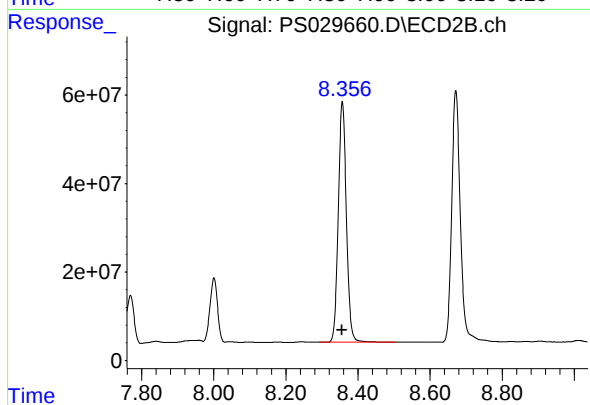
#7 MCPA

R.T.: 8.001 min
Delta R.T.: 0.002 min
Response: 216483308
Conc: 95.27 ug/ml



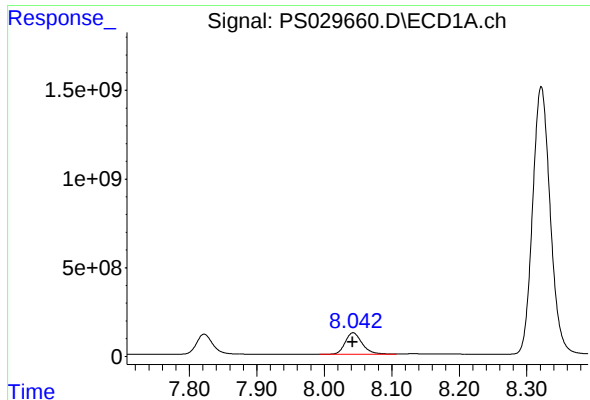
#8 DICHLORPROP

R.T.: 7.822 min
Delta R.T.: 0.000 min
Response: 1904873098
Conc: 921.02 ng/ml



#8 DICHLORPROP

R.T.: 8.357 min
Delta R.T.: 0.000 min
Response: 846033877
Conc: 934.78 ng/ml



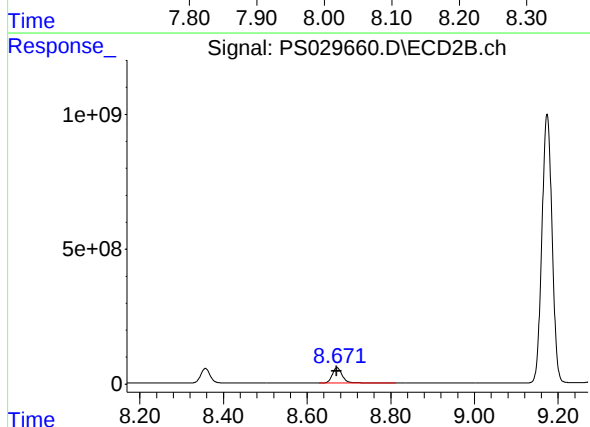
#9 2,4-D

R.T.: 8.043 min
Delta R.T.: 0.000 min
Response: 2111960224
Conc: 931.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

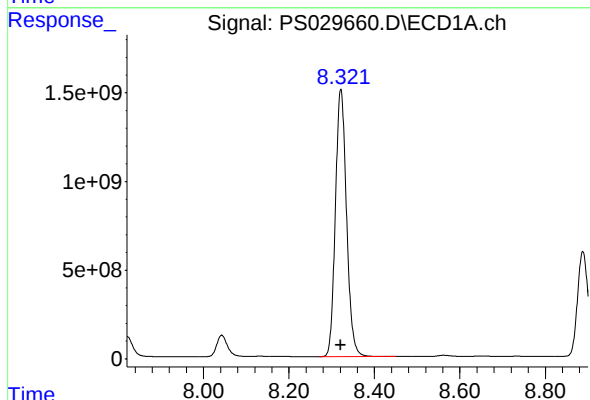
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



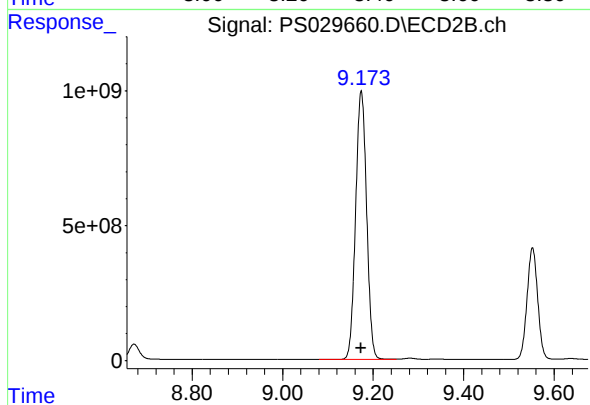
#9 2,4-D

R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 943504117
Conc: 940.66 ng/ml



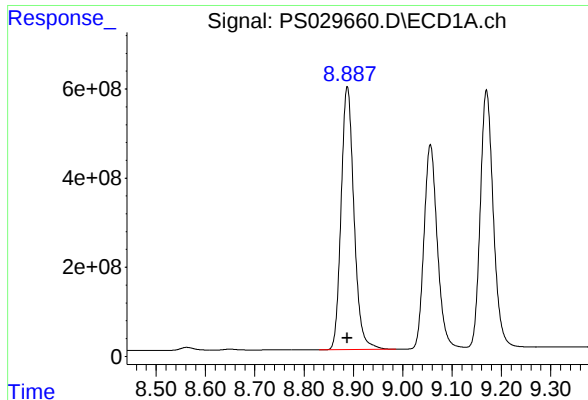
#10 Pentachlorophenol

R.T.: 8.322 min
Delta R.T.: 0.000 min
Response: 27238310436
Conc: 936.90 ng/ml



#10 Pentachlorophenol

R.T.: 9.174 min
Delta R.T.: 0.000 min
Response: 16770397791
Conc: 946.41 ng/ml



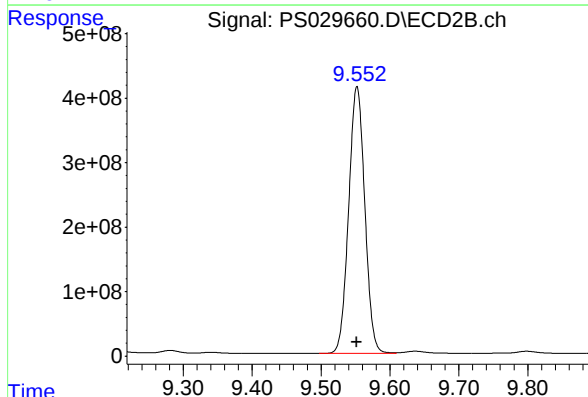
#11 2,4,5-TP (SILVEX)

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 10687262604
Conc: 944.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

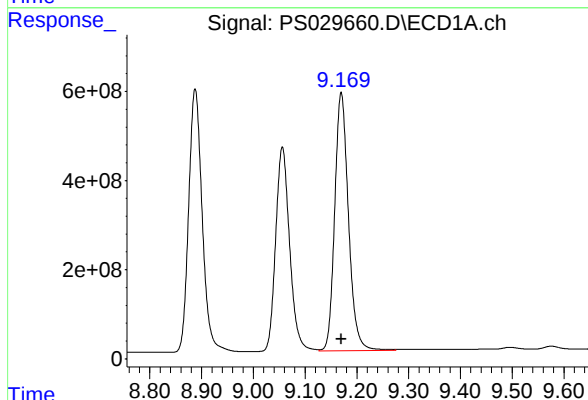
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



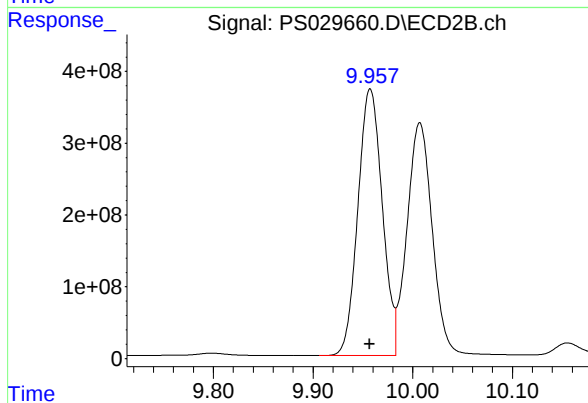
#11 2,4,5-TP (SILVEX)

R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 6736269494
Conc: 954.64 ng/ml



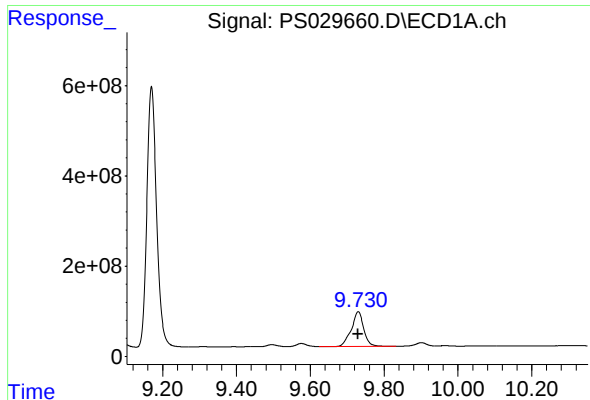
#12 2,4,5-T

R.T.: 9.170 min
Delta R.T.: 0.000 min
Response: 10696948094
Conc: 945.21 ng/ml



#12 2,4,5-T

R.T.: 9.957 min
Delta R.T.: 0.000 min
Response: 6311320366
Conc: 955.00 ng/ml



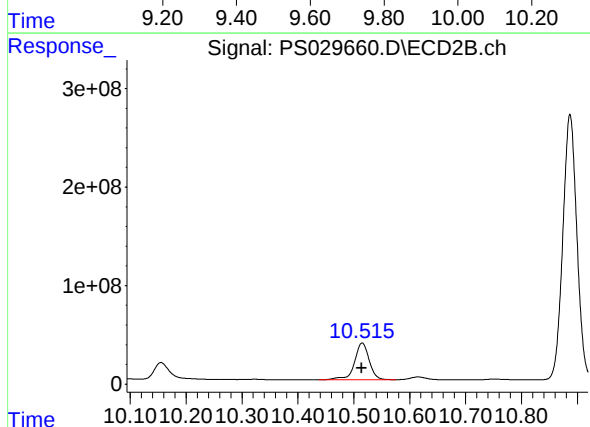
#13 2,4-DB

R.T.: 9.730 min
Delta R.T.: 0.000 min
Response: 1781810233
Conc: 948.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

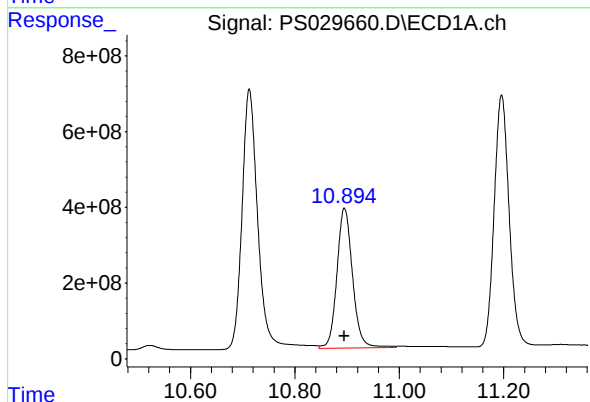
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



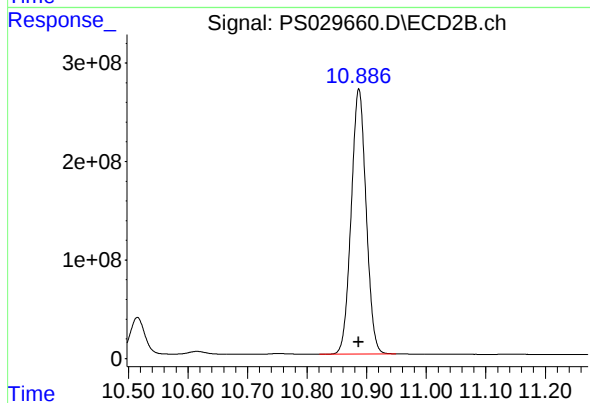
#13 2,4-DB

R.T.: 10.515 min
Delta R.T.: 0.001 min
Response: 690041535
Conc: 965.10 ng/ml



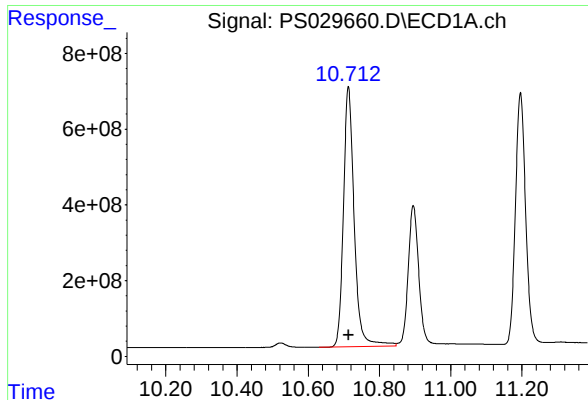
#14 DINOSEB

R.T.: 10.895 min
Delta R.T.: 0.000 min
Response: 7700250924
Conc: 928.27 ng/ml



#14 DINOSEB

R.T.: 10.887 min
Delta R.T.: 0.000 min
Response: 4684339661
Conc: 945.92 ng/ml



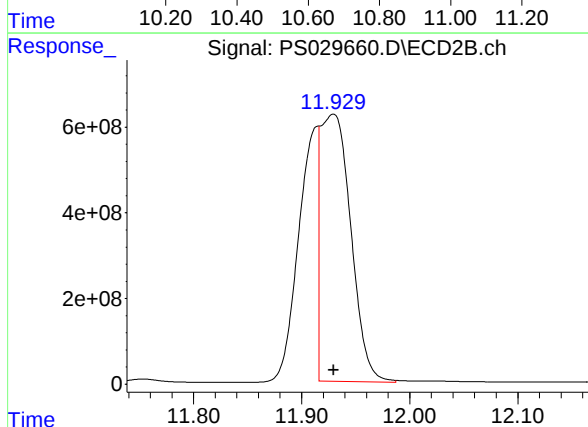
#15 Picloram

R.T.: 10.713 min
Delta R.T.: 0.000 min
Response: 14447241965
Conc: 951.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

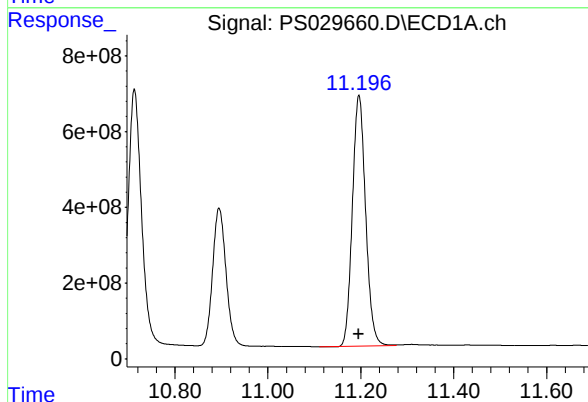
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



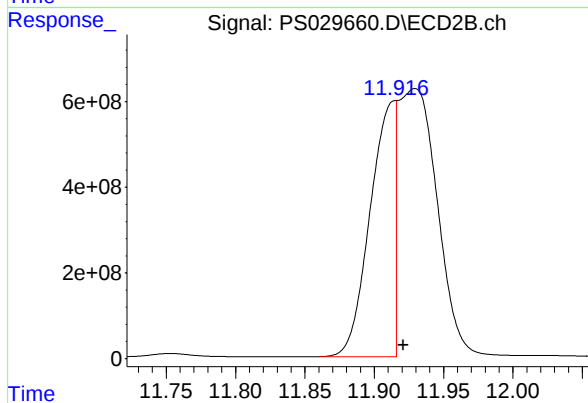
#15 Picloram

R.T.: 11.929 min
Delta R.T.: 0.000 min
Response: 12036880251
Conc: 1085.70 ng/ml m



#16 DCPA

R.T.: 11.196 min
Delta R.T.: 0.000 min
Response: 13124092426
Conc: 953.03 ng/ml



#16 DCPA

R.T.: 11.916 min
Delta R.T.: -0.005 min
Response: 7801908533
Conc: 776.30 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029661.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 20:44
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/03/2025
 Supervised By : mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 21:51:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:45:08 2025
 Response via : Initial 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

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

System Monitoring Compounds						
4) S 2,4-DCAA	6.962	7.475	2841.0E6	981.8E6	1435.303	1487.406
Target Compounds						
1) T Dalapon	2.462	2.532	4108.4E6	1942.9E6	1258.290	1266.710
2) T 3,5-DICHL...	6.164	6.469	3928.4E6	1296.2E6	1335.806	1381.746
3) T 4-Nitroph...	6.752	7.009	1875.7E6	929.8E6	1377.303	1360.341
5) T DICAMBA	7.139	7.661	10886.5E6	5336.9E6	1314.829	1461.273
6) T MCPP	7.321	7.771	837.1E6	239.9E6	151.995	136.979
7) T MCPA	7.464	8.003	1077.4E6	321.6E6	146.013	141.540
8) T DICHLORPROP	7.821	8.356	2998.8E6	1359.0E6	1449.942	1501.547
9) T 2,4-D	8.041	8.670	3352.7E6	1534.4E6	1478.541	1529.798
10) T Pentachlo...	8.320	9.173	41860.3E6	24798.8E6	1439.850	1399.475
11) T 2,4,5-TP ...	8.887	9.551	15973.5E6	10314.3E6	1411.040	1461.696
12) T 2,4,5-T	9.169	9.956	15670.7E6	9380.7E6	1384.705	1419.436
13) T 2,4-DB	9.729	10.514	2397.1E6	1045.2E6	1276.563	1461.825
14) T DINOSEB	10.894	10.886	11584.2E6	7136.0E6	1396.490	1440.994
15) T Picloram	10.712	11.927	21908.2E6	17647.2E6	1442.814	1591.730m
16) T DCPA	11.195	11.918	19405.2E6	13389.7E6	1409.141	1332.294m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029661.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 20:44
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 12 Sample Multiplier: 1

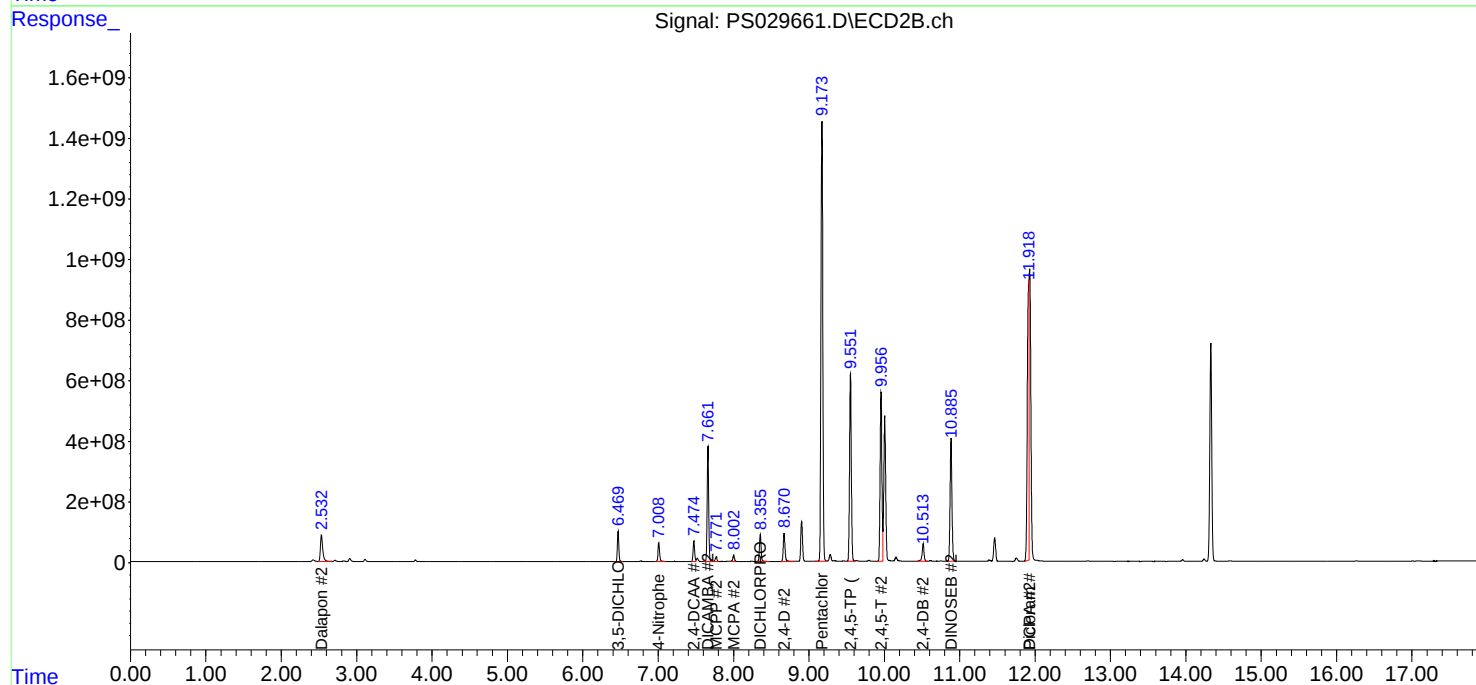
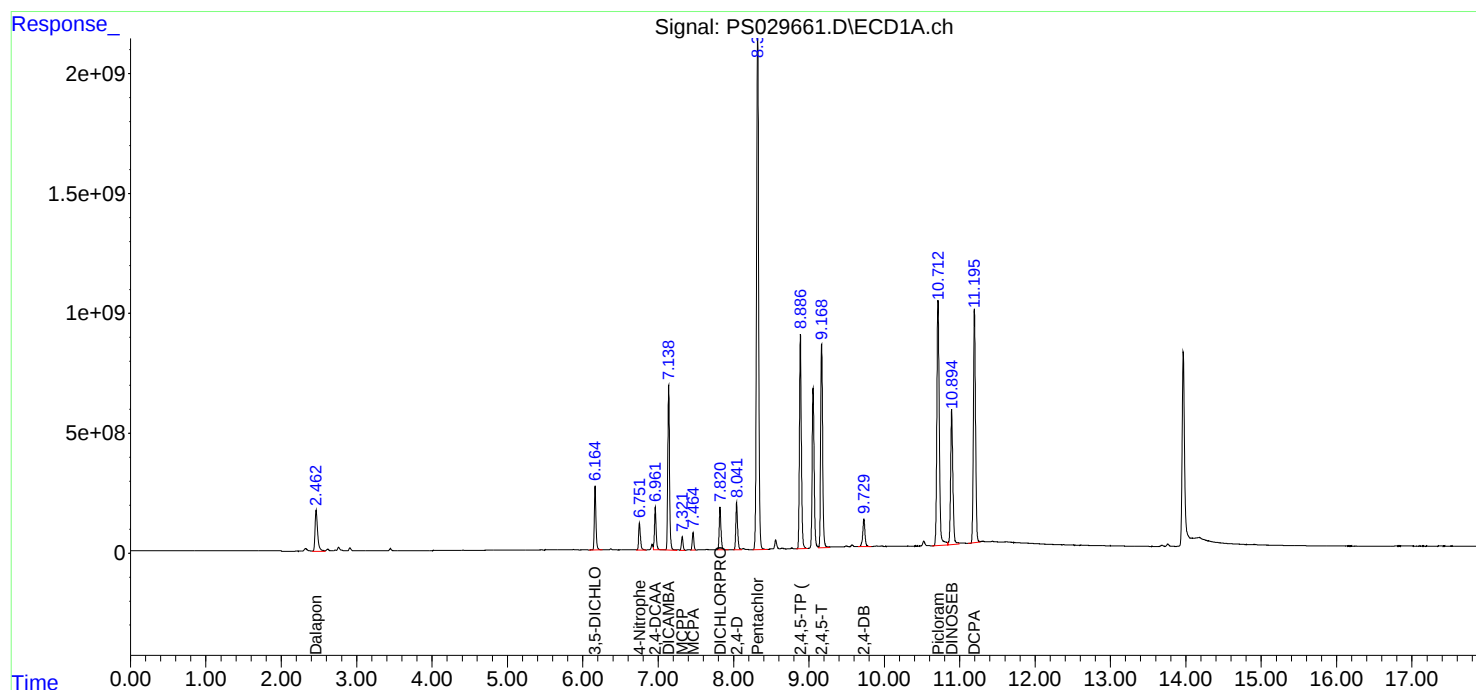
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

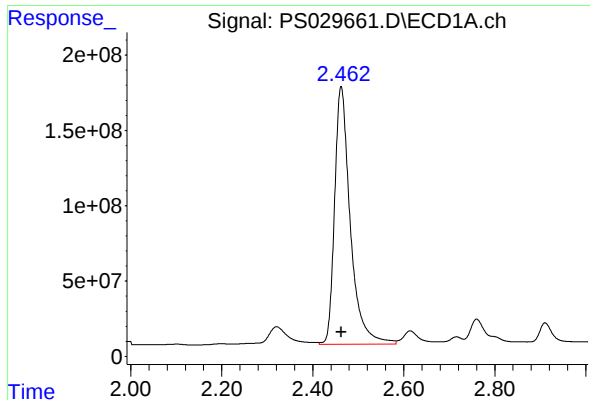
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 21:51:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:45:08 2025
Response via : Initial 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





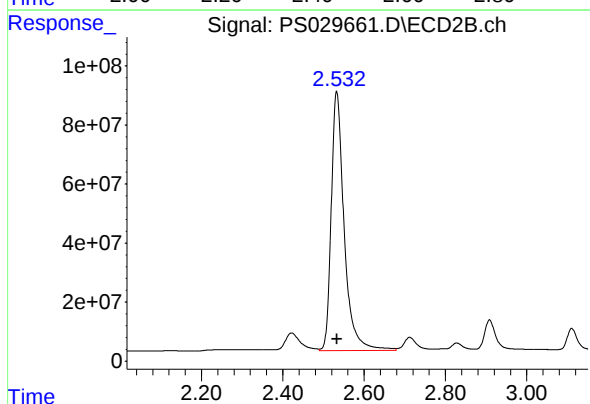
#1 Dalapon

R.T.: 2.462 min
Delta R.T.: 0.000 min
Response: 4108358980
Conc: 1258.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

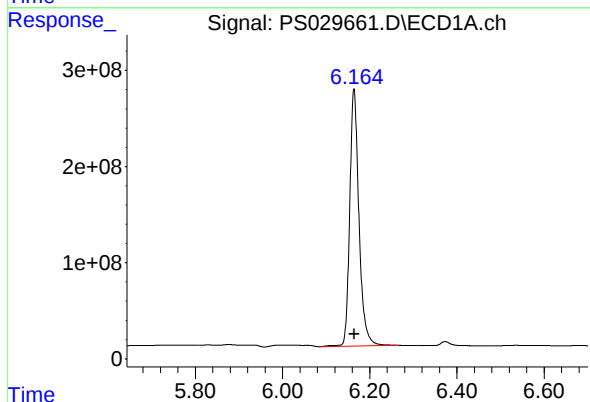
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



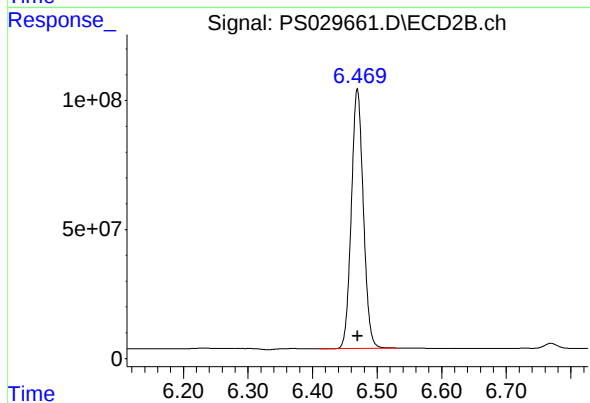
#1 Dalapon

R.T.: 2.532 min
Delta R.T.: 0.000 min
Response: 1942871242
Conc: 1266.71 ng/ml



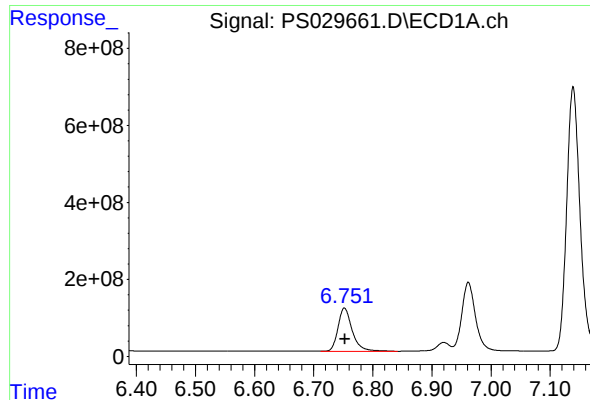
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.164 min
Delta R.T.: 0.000 min
Response: 3928433575
Conc: 1335.81 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.469 min
Delta R.T.: 0.000 min
Response: 1296248758
Conc: 1381.75 ng/ml



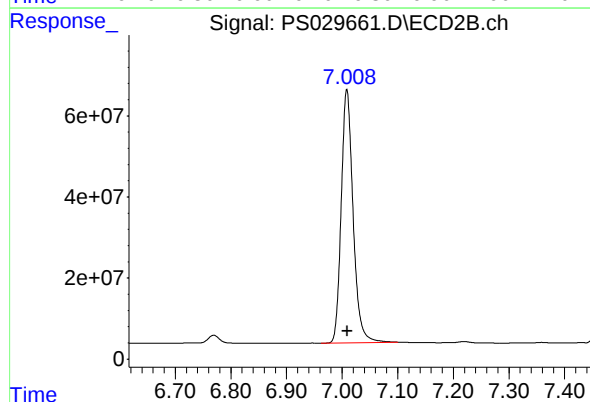
#3 4-Nitrophenol

R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 1875650660
Conc: 1377.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

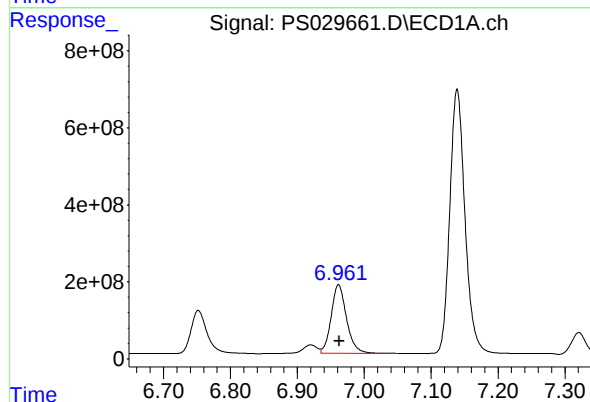
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



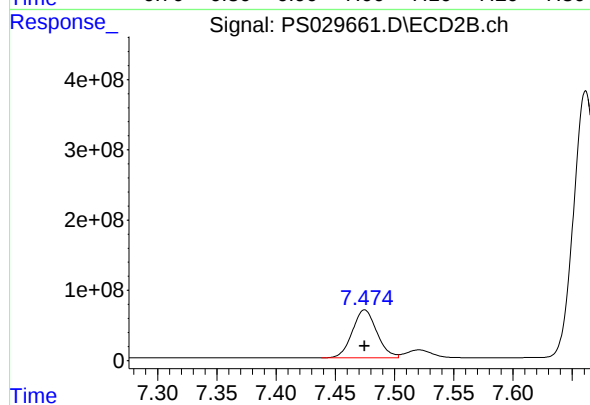
#3 4-Nitrophenol

R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 929783256
Conc: 1360.34 ng/ml



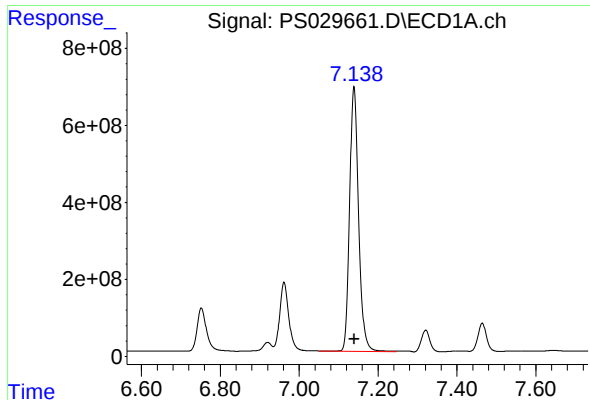
#4 2,4-DCAA

R.T.: 6.962 min
Delta R.T.: 0.000 min
Response: 2840950026
Conc: 1435.30 ng/ml



#4 2,4-DCAA

R.T.: 7.475 min
Delta R.T.: 0.000 min
Response: 981839106
Conc: 1487.41 ng/ml



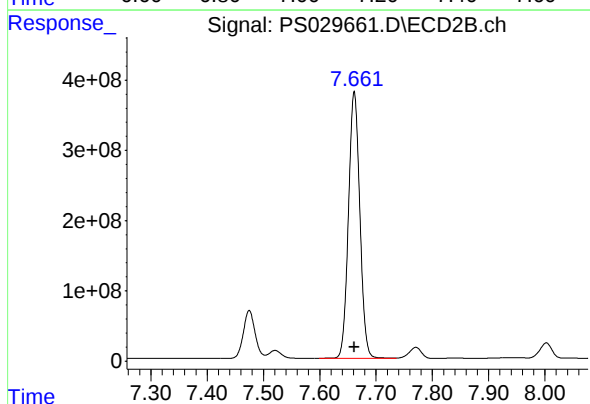
#5 DICAMBA

R.T.: 7.139 min
Delta R.T.: 0.000 min
Response: 10886487221
Conc: 1314.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

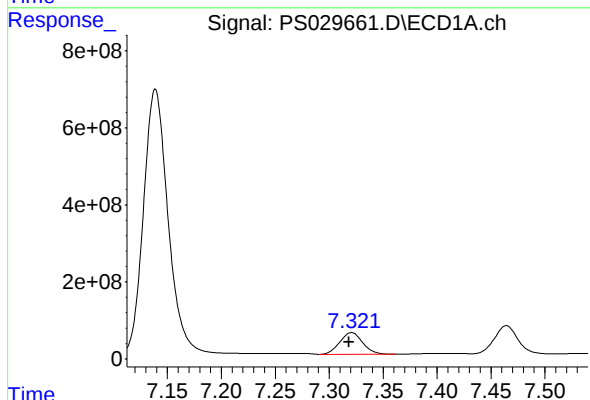
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



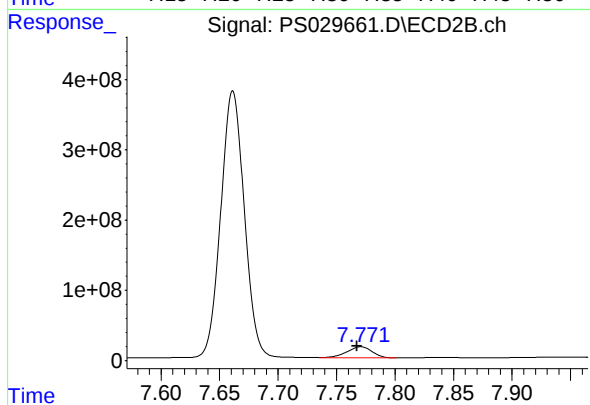
#5 DICAMBA

R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 5336929441
Conc: 1461.27 ng/ml



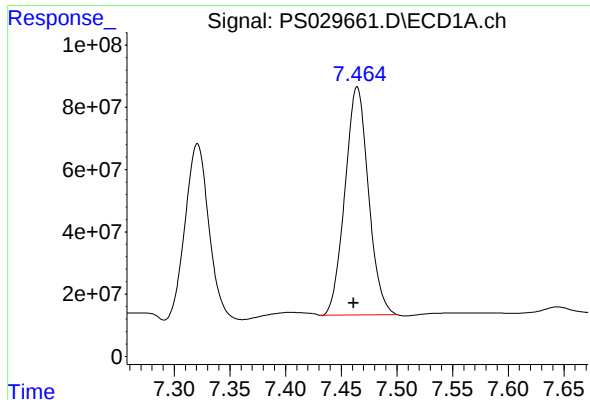
#6 MCPP

R.T.: 7.321 min
Delta R.T.: 0.003 min
Response: 837102081
Conc: 152.00 ug/ml



#6 MCPP

R.T.: 7.771 min
Delta R.T.: 0.003 min
Response: 239877882
Conc: 136.98 ug/ml



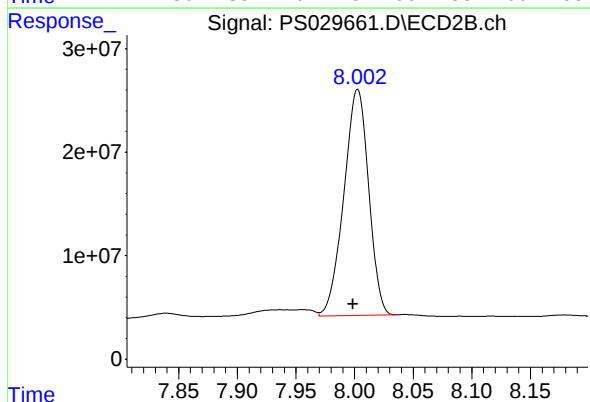
#7 MCPA

R.T.: 7.464 min
Delta R.T.: 0.003 min
Response: 1077350418
Conc: 146.01 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

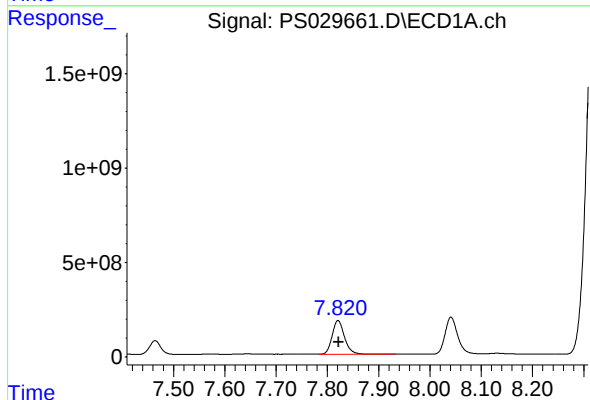
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



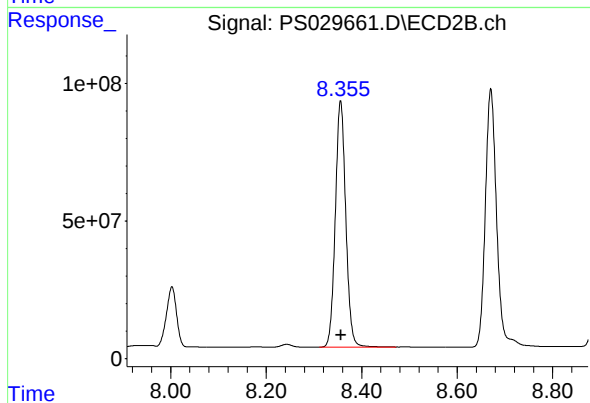
#7 MCPA

R.T.: 8.003 min
Delta R.T.: 0.004 min
Response: 321610430
Conc: 141.54 ug/ml



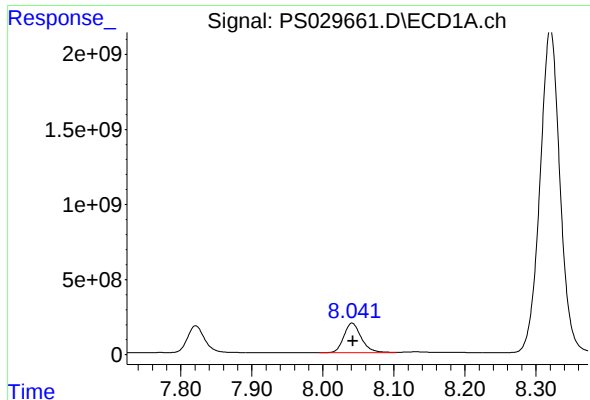
#8 DICHLORPROP

R.T.: 7.821 min
Delta R.T.: -0.001 min
Response: 2998787481
Conc: 1449.94 ng/ml



#8 DICHLORPROP

R.T.: 8.356 min
Delta R.T.: 0.000 min
Response: 1358996852
Conc: 1501.55 ng/ml



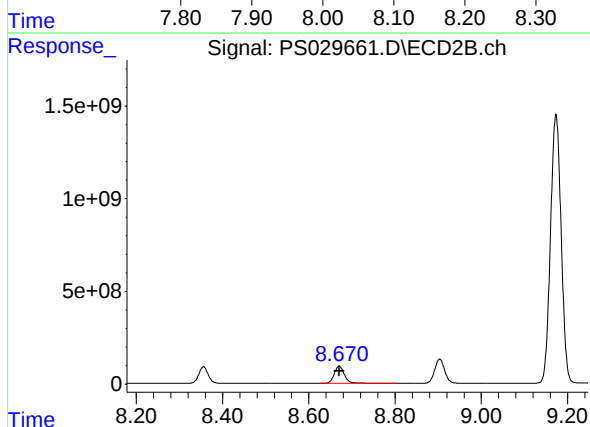
#9 2,4-D

R.T.: 8.041 min
Delta R.T.: -0.001 min
Response: 3352707918
Conc: 1478.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

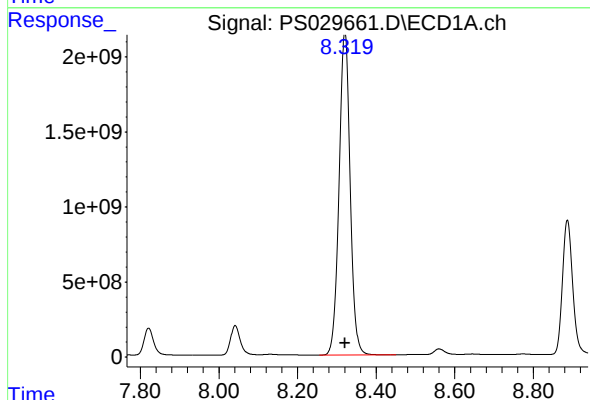
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



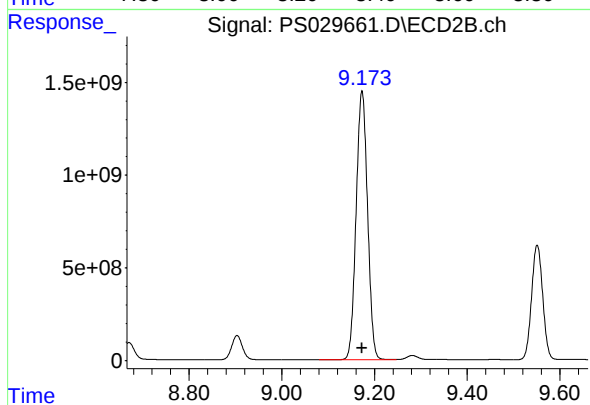
#9 2,4-D

R.T.: 8.670 min
Delta R.T.: 0.000 min
Response: 1534428295
Conc: 1529.80 ng/ml



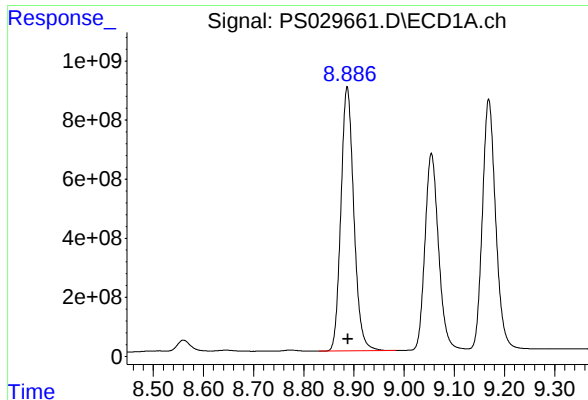
#10 Pentachlorophenol

R.T.: 8.320 min
Delta R.T.: 0.000 min
Response: 41860303298
Conc: 1439.85 ng/ml



#10 Pentachlorophenol

R.T.: 9.173 min
Delta R.T.: 0.000 min
Response: 24798795122
Conc: 1399.48 ng/ml



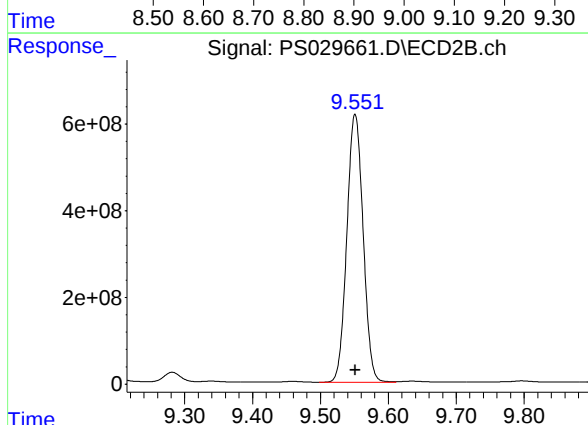
#11 2,4,5-TP (SILVEX)

R.T.: 8.887 min
Delta R.T.: -0.001 min
Response: 15973508319
Conc: 1411.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

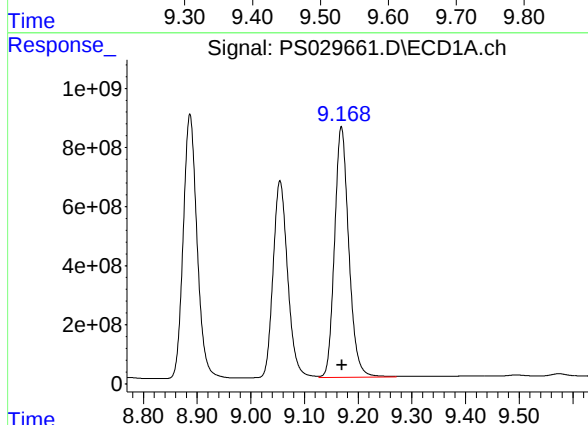
Manual Integrations
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Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



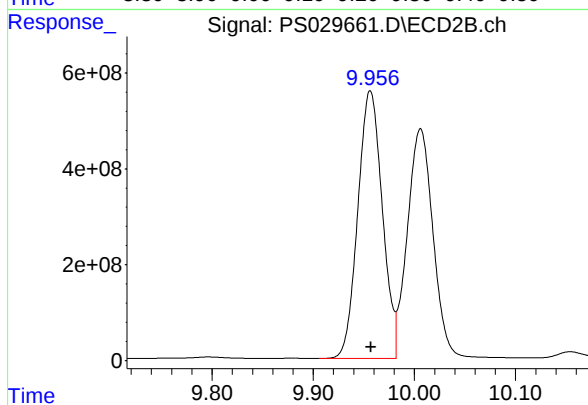
#11 2,4,5-TP (SILVEX)

R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 10314285572
Conc: 1461.70 ng/ml



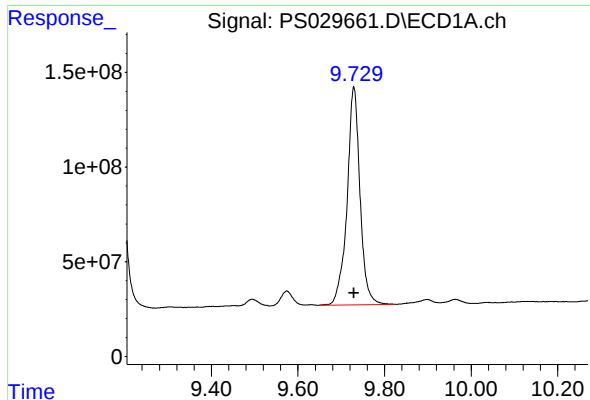
#12 2,4,5-T

R.T.: 9.169 min
Delta R.T.: -0.001 min
Response: 15670680767
Conc: 1384.71 ng/ml



#12 2,4,5-T

R.T.: 9.956 min
Delta R.T.: 0.000 min
Response: 9380678174
Conc: 1419.44 ng/ml



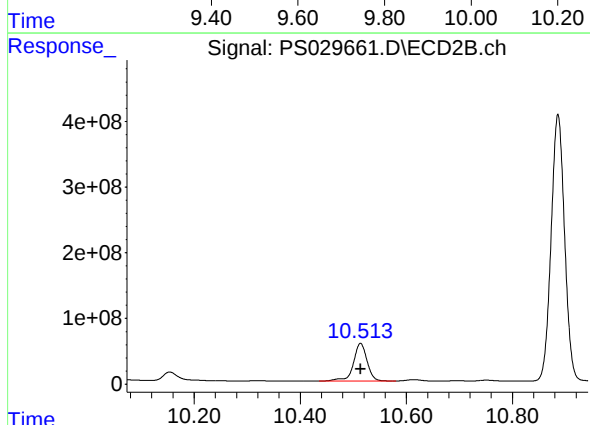
#13 2,4-DB

R.T.: 9.729 min
Delta R.T.: 0.000 min
Response: 2397133404
Conc: 1276.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

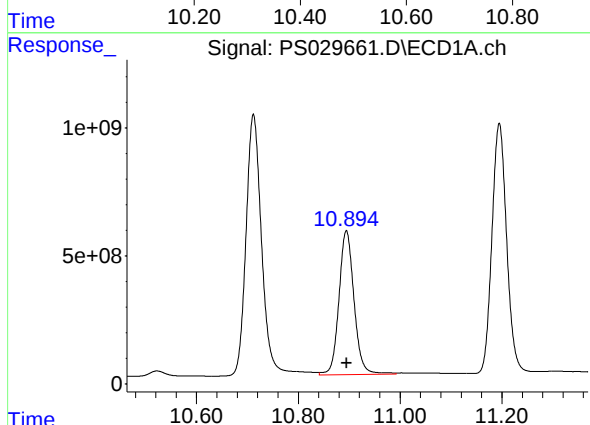
Manual Integrations
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Supervised By :mohammad ahmed 04/04/2025



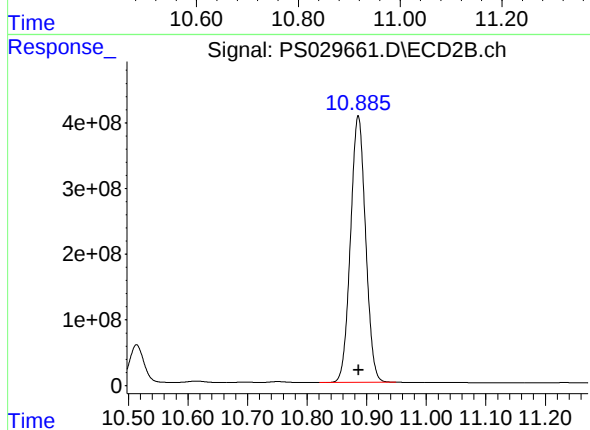
#13 2,4-DB

R.T.: 10.514 min
Delta R.T.: 0.000 min
Response: 1045195523
Conc: 1461.83 ng/ml



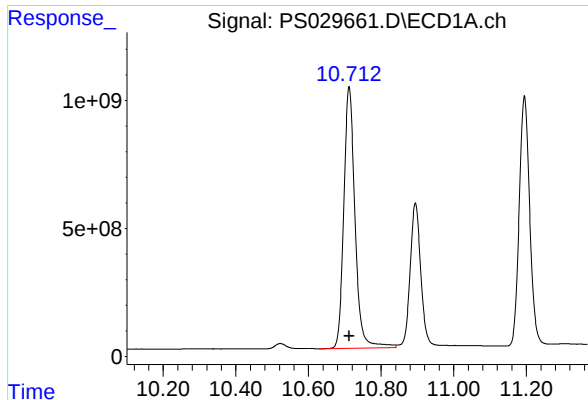
#14 DINOSEB

R.T.: 10.894 min
Delta R.T.: 0.000 min
Response: 11584240374
Conc: 1396.49 ng/ml



#14 DINOSEB

R.T.: 10.886 min
Delta R.T.: 0.000 min
Response: 7136024947
Conc: 1440.99 ng/ml



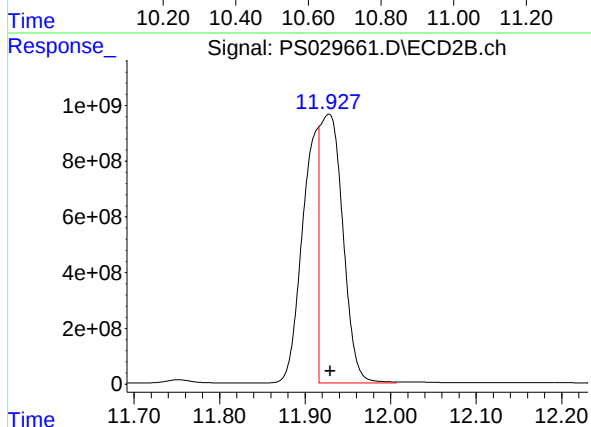
#15 Picloram

R.T.: 10.712 min
Delta R.T.: -0.001 min
Response: 21908246614
Conc: 1442.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

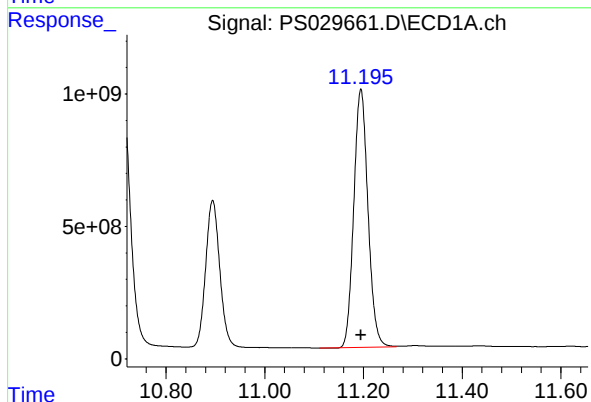
Manual Integrations
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Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



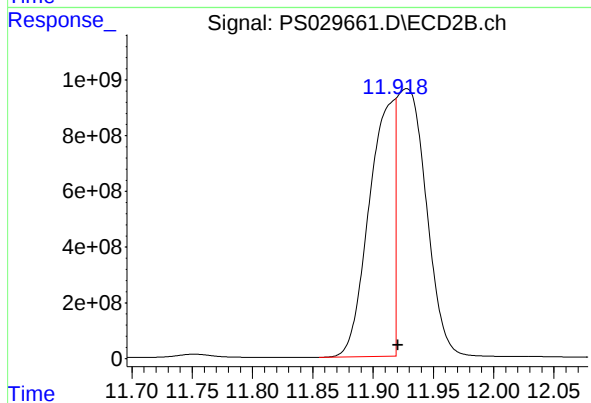
#15 Picloram

R.T.: 11.927 min
Delta R.T.: -0.002 min
Response: 17647184452
Conc: 1591.73 ng/ml m



#16 DCPA

R.T.: 11.195 min
Delta R.T.: 0.000 min
Response: 19405207559
Conc: 1409.14 ng/ml



#16 DCPA

R.T.: 11.918 min
Delta R.T.: -0.002 min
Response: 13389723415
Conc: 1332.29 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
 Data File : PS029662.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 21:32
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS040225

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 02 22:04:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:58:31 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.962	7.474	1498.3E6	503.3E6	734.900	738.464
Target Compounds							
1) T	Dalapon	2.462	2.533	2190.2E6	1024.0E6	645.618	645.003
2) T	3,5-DICHL...	6.164	6.469	2082.1E6	662.8E6	692.238	686.463
3) T	4-Nitroph...	6.752	7.009	957.2E6	475.6E6	681.345	670.774
5) T	DICAMBA	7.138	7.661	5694.1E6	2612.2E6	684.231	707.267
6) T	MCP	7.317	7.767	392.2E6	118.2E6	72.358	70.010
7) T	MCPA	7.460	7.998	518.2E6	157.7E6	71.284	69.331
8) T	DICHLORPROP	7.820	8.356	1603.0E6	696.5E6	728.820	720.851
9) T	2,4-D	8.041	8.670	1760.6E6	789.5E6	730.675	732.044
10) T	Pentachlo...	8.319	9.173	22517.6E6	12981.3E6	740.590	724.092
11) T	2,4,5-TP ...	8.886	9.551	8387.3E6	5243.7E6	722.086	726.984
12) T	2,4,5-T	9.168	9.956	8196.2E6	4791.7E6	712.435	714.872
13) T	2,4-DB	9.728	10.513	1209.9E6	524.8E6	665.952	707.282
14) T	DINOSEB	10.894	10.886	5970.8E6	3628.9E6	707.265	709.775
15) T	Picloram	10.711	11.928	11195.9E6	9179.9E6	722.295	783.175m
16) T	DCPA	11.194	11.916	10250.4E6	6152.8E6	733.951	667.456m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 21:32
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 14 Sample Multiplier: 1

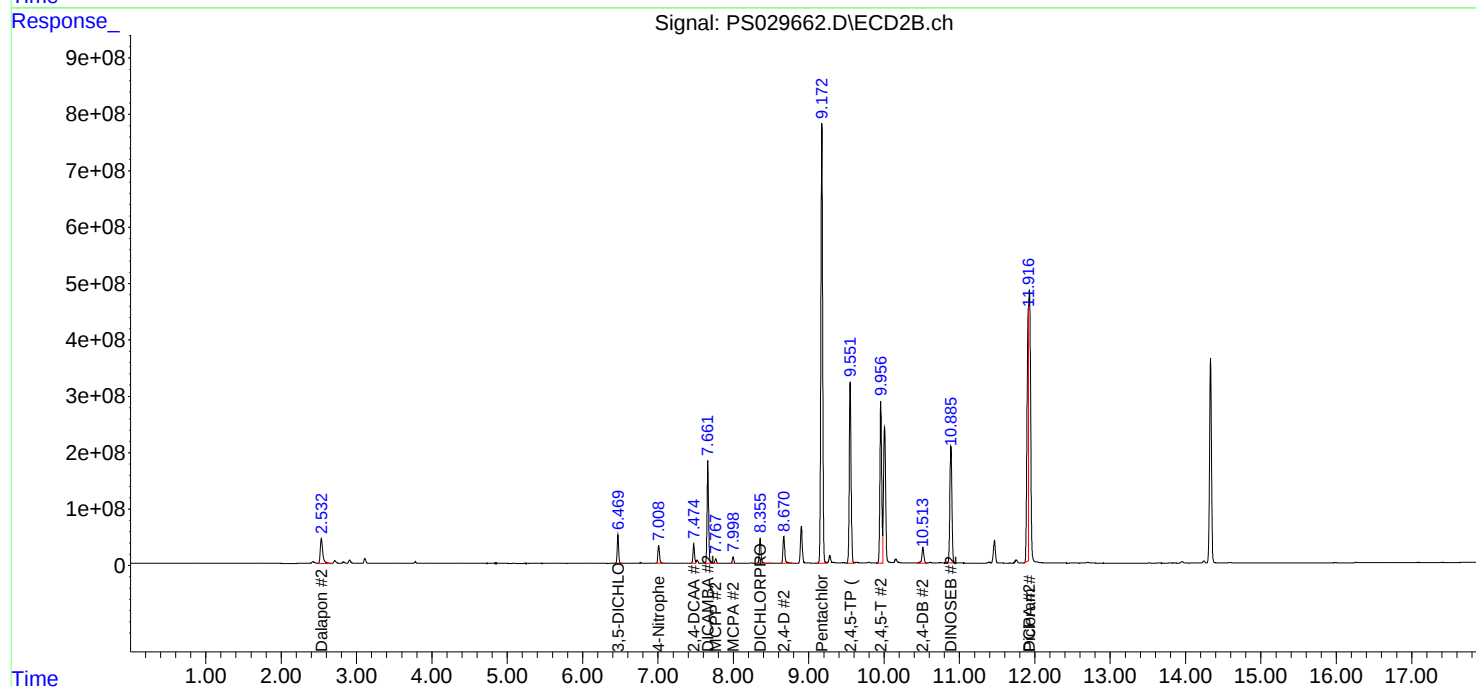
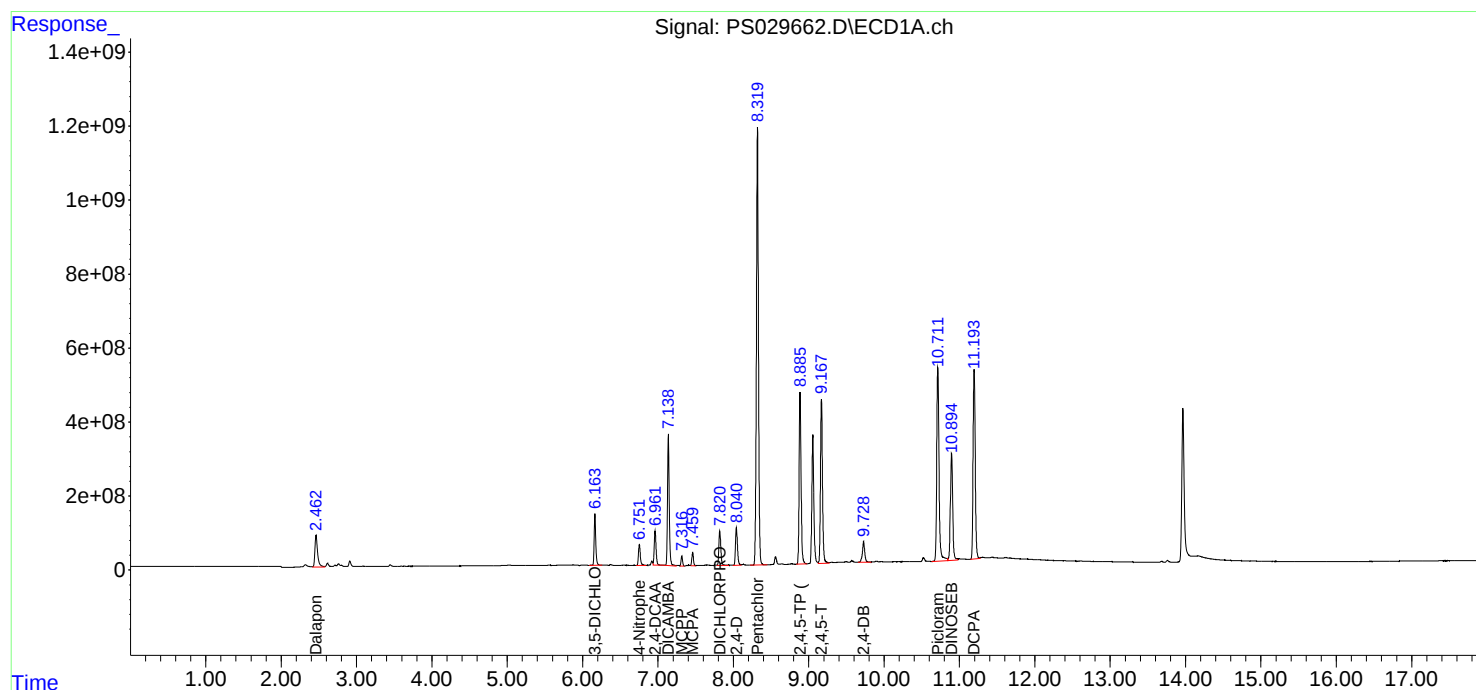
Instrument :
ECD_S
ClientSampleId :
ICVPS040225

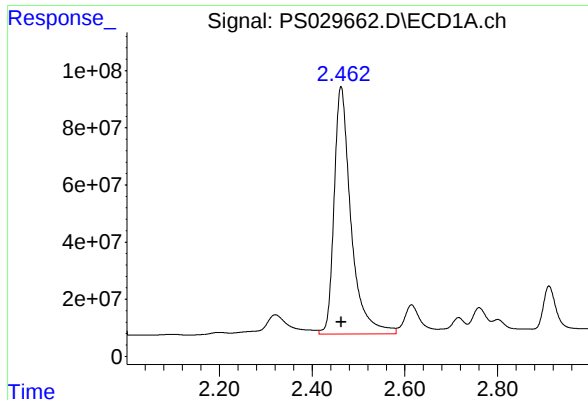
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/03/2025
Supervised By : mohammad ahmed 04/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 22:04:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:58:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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





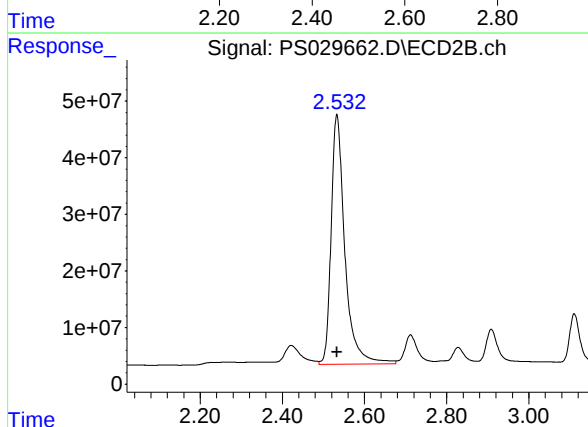
#1 Dalapon

R.T.: 2.462 min
Delta R.T.: 0.000 min
Response: 2190191506
Conc: 645.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS040225

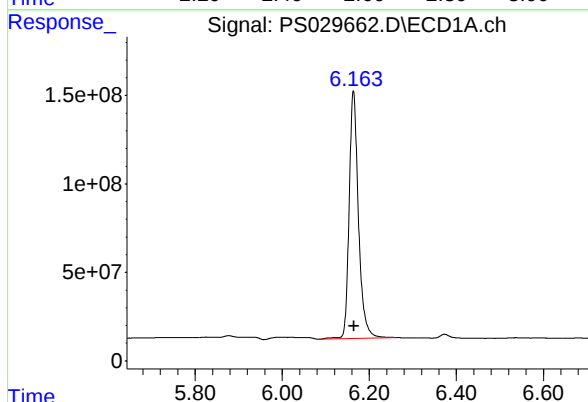
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



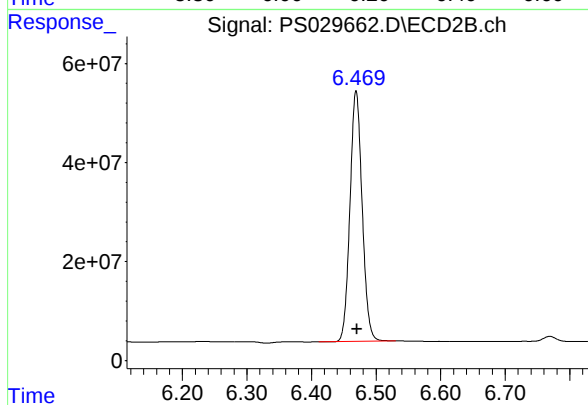
#1 Dalapon

R.T.: 2.533 min
Delta R.T.: 0.000 min
Response: 1024004548
Conc: 645.00 ng/ml



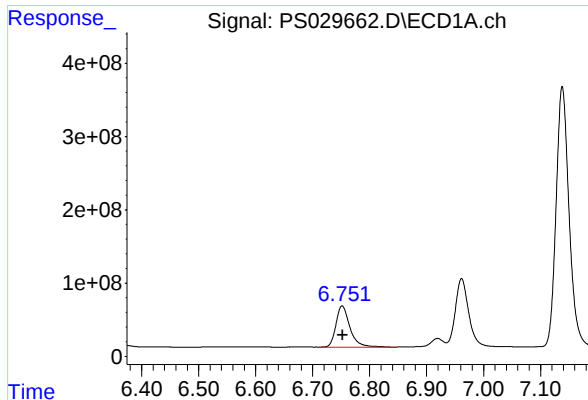
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.164 min
Delta R.T.: -0.001 min
Response: 2082084613
Conc: 692.24 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.469 min
Delta R.T.: -0.001 min
Response: 662818833
Conc: 686.46 ng/ml



#3 4-Nitrophenol

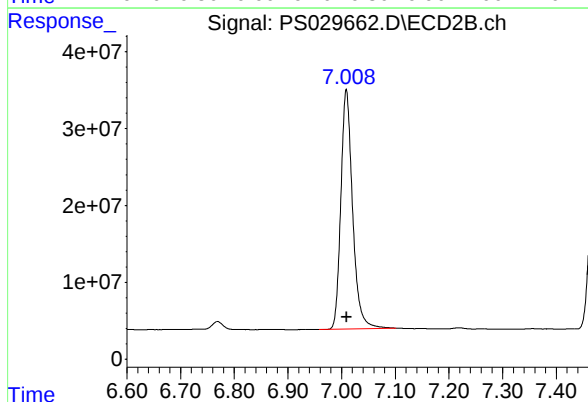
R.T.: 6.752 min
Delta R.T.: -0.001 min
Response: 957152195
Conc: 681.34 ng/ml

Instrument :

ECD_S

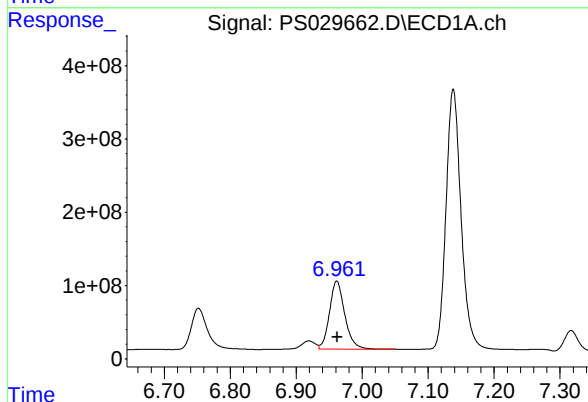
ClientSampleId :
ICVPS040225Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



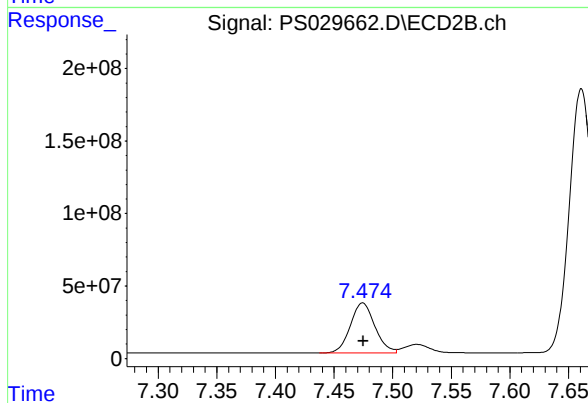
#3 4-Nitrophenol

R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 475577336
Conc: 670.77 ng/ml



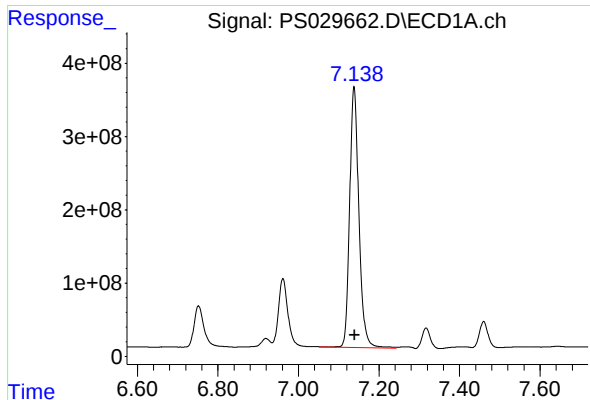
#4 2,4-DCAA

R.T.: 6.962 min
Delta R.T.: -0.001 min
Response: 1498336160
Conc: 734.90 ng/ml



#4 2,4-DCAA

R.T.: 7.474 min
Delta R.T.: 0.000 min
Response: 503272874
Conc: 738.46 ng/ml



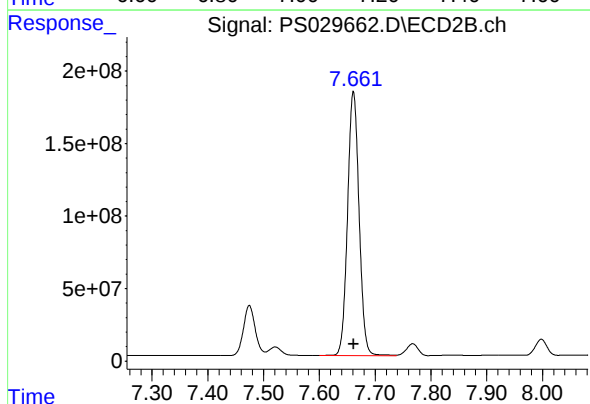
#5 DICAMBA

R.T.: 7.138 min
Delta R.T.: -0.002 min
Response: 5694131009
Conc: 684.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS040225

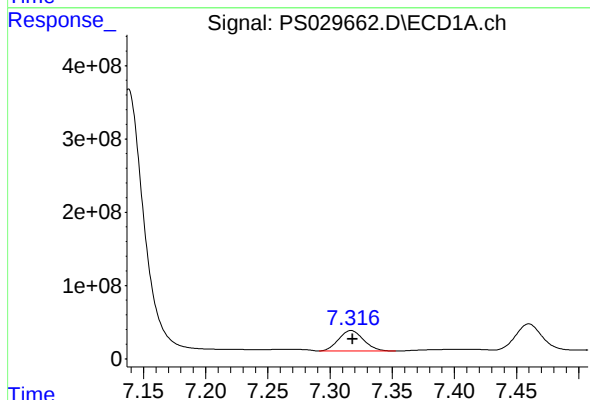
Manual Integrations
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Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



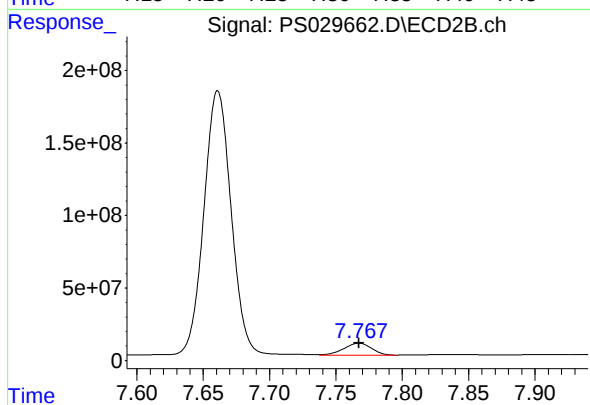
#5 DICAMBA

R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 2612199541
Conc: 707.27 ng/ml



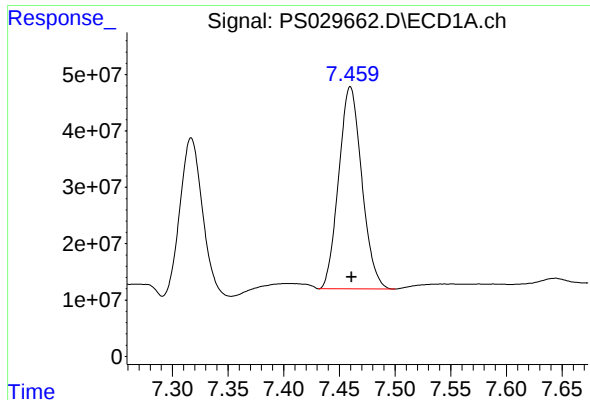
#6 MCP

R.T.: 7.317 min
Delta R.T.: -0.001 min
Response: 392172325
Conc: 72.36 ug/ml



#6 MCP

R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 118210914
Conc: 70.01 ug/ml



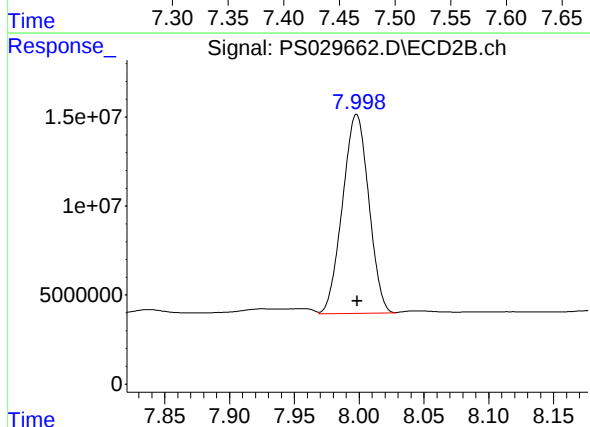
#7 MCPA

R.T.: 7.460 min
Delta R.T.: -0.001 min
Response: 518166545
Conc: 71.28 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS040225

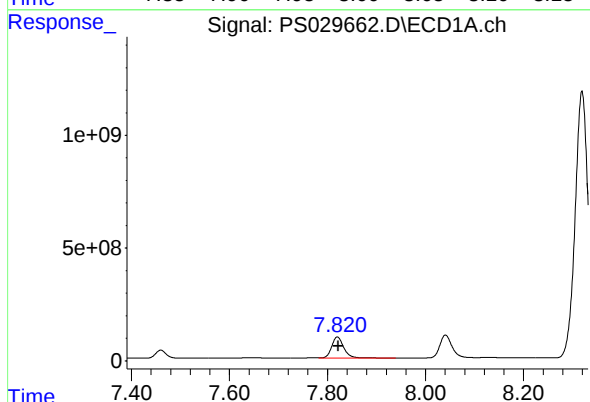
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



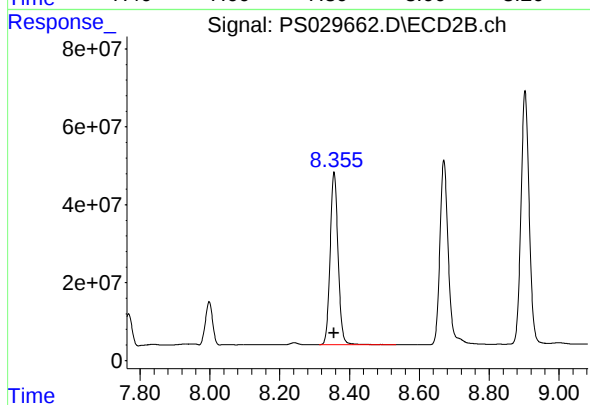
#7 MCPA

R.T.: 7.998 min
Delta R.T.: 0.000 min
Response: 157745338
Conc: 69.33 ug/ml



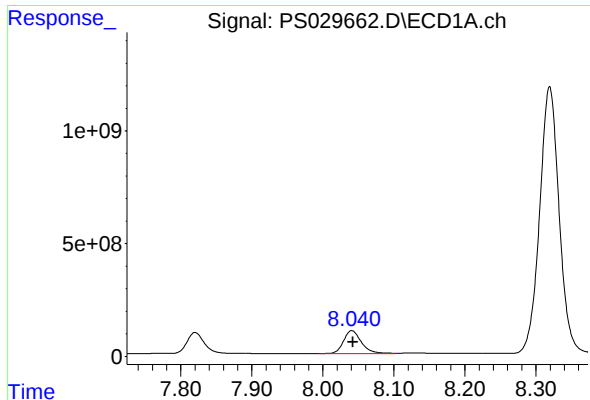
#8 DICHLORPROP

R.T.: 7.820 min
Delta R.T.: -0.002 min
Response: 1602994513
Conc: 728.82 ng/ml



#8 DICHLORPROP

R.T.: 8.356 min
Delta R.T.: 0.000 min
Response: 696452307
Conc: 720.85 ng/ml



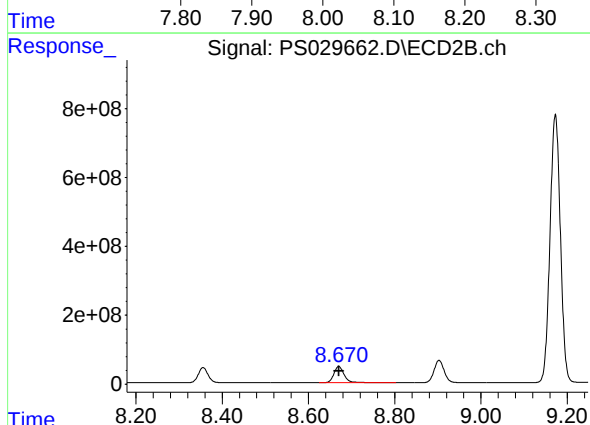
#9 2,4-D

R.T.: 8.041 min
Delta R.T.: -0.001 min
Response: 1760626420
Conc: 730.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS040225

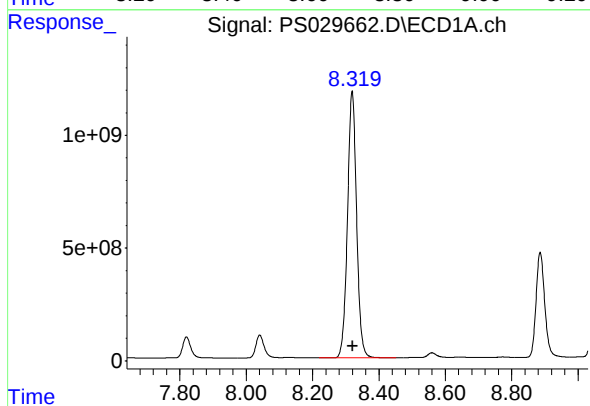
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



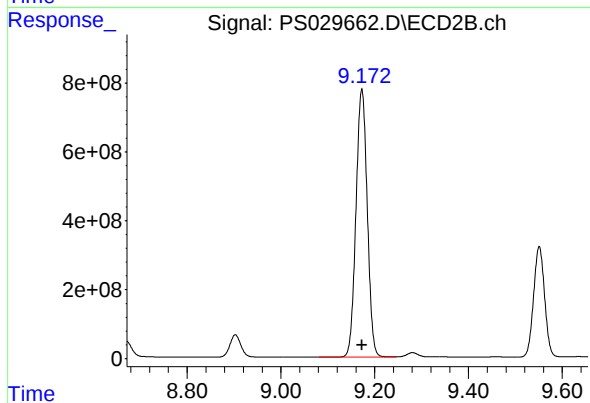
#9 2,4-D

R.T.: 8.670 min
Delta R.T.: 0.000 min
Response: 789483756
Conc: 732.04 ng/ml



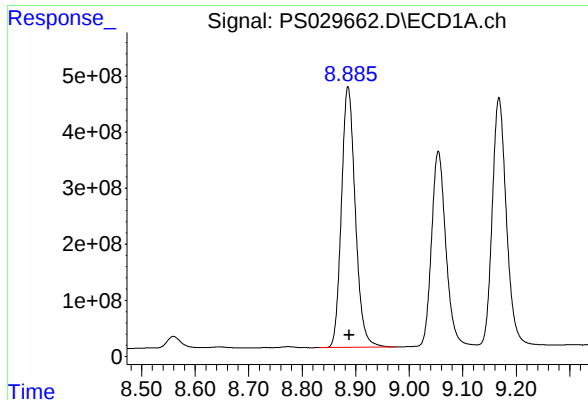
#10 Pentachlorophenol

R.T.: 8.319 min
Delta R.T.: -0.001 min
Response: 22517626662
Conc: 740.59 ng/ml



#10 Pentachlorophenol

R.T.: 9.173 min
Delta R.T.: 0.000 min
Response: 12981310805
Conc: 724.09 ng/ml



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

R.T.: 8.886 min
Delta R.T.: -0.002 min
Response: 8387280951
Conc: 722.09 ng/ml

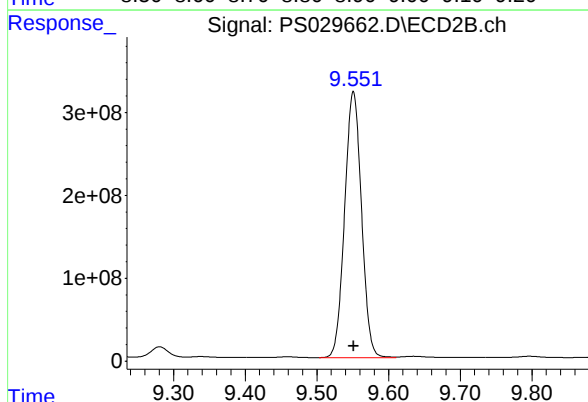
Instrument :

ECD_S

ClientSampleId :
ICVPS040225

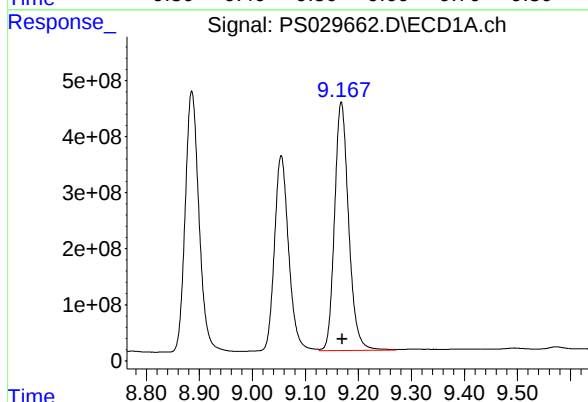
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



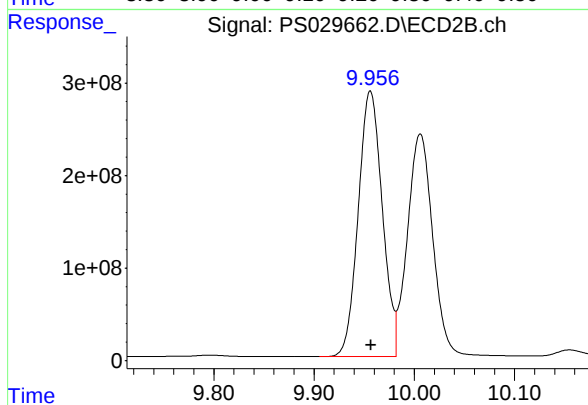
#11 2,4,5-TP (SILVEX)

R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 5243705599
Conc: 726.98 ng/ml



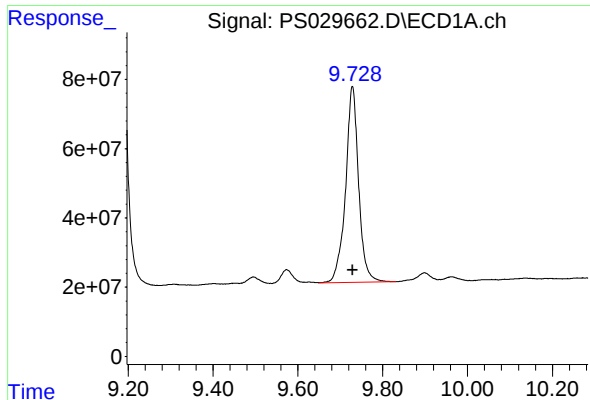
#12 2,4,5-T

R.T.: 9.168 min
Delta R.T.: -0.002 min
Response: 8196155687
Conc: 712.43 ng/ml



#12 2,4,5-T

R.T.: 9.956 min
Delta R.T.: 0.000 min
Response: 4791671449
Conc: 714.87 ng/ml



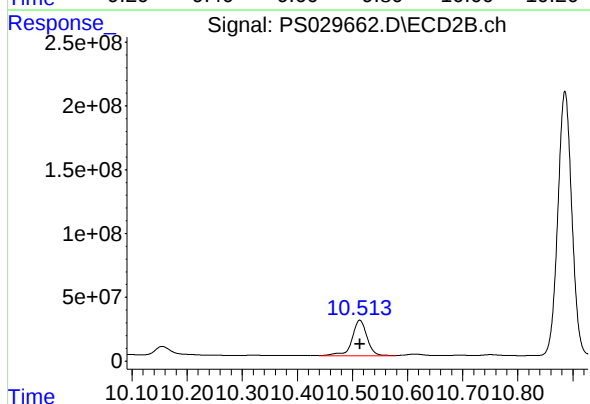
#13 2,4-DB

R.T.: 9.728 min
Delta R.T.: -0.001 min
Response: 1209865167
Conc: 665.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS040225

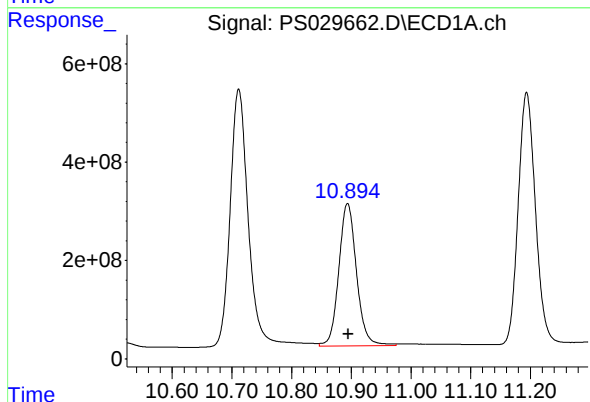
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



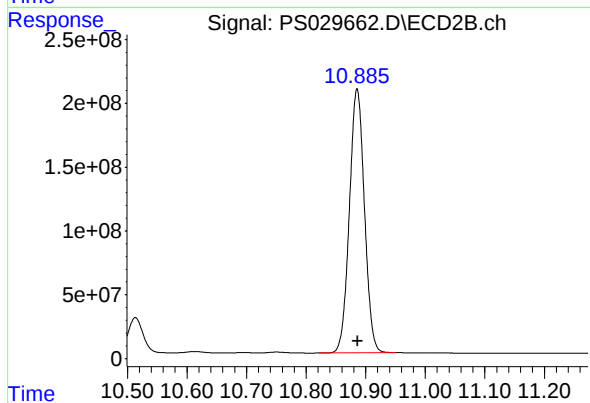
#13 2,4-DB

R.T.: 10.513 min
Delta R.T.: 0.000 min
Response: 524785986
Conc: 707.28 ng/ml



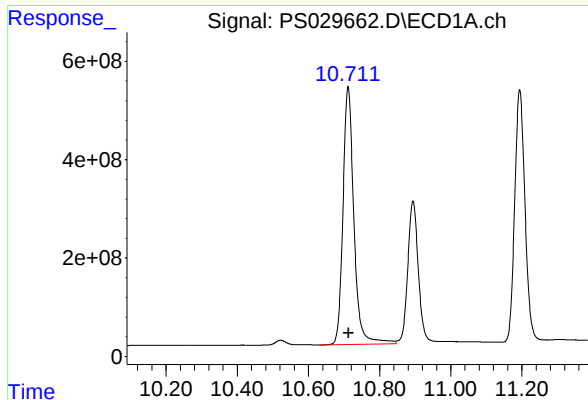
#14 DINOSEB

R.T.: 10.894 min
Delta R.T.: -0.001 min
Response: 5970759942
Conc: 707.26 ng/ml



#14 DINOSEB

R.T.: 10.886 min
Delta R.T.: -0.001 min
Response: 3628936908
Conc: 709.77 ng/ml



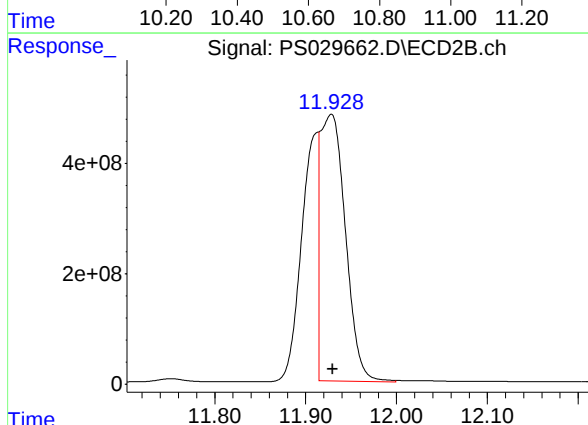
#15 Picloram

R.T.: 10.711 min
Delta R.T.: -0.002 min
Response: 11195866194
Conc: 722.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS040225

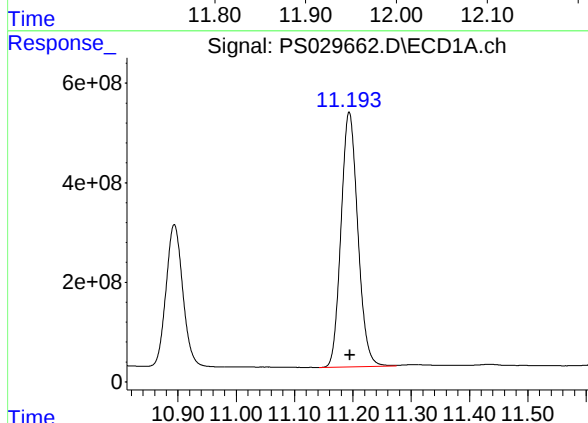
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/04/2025



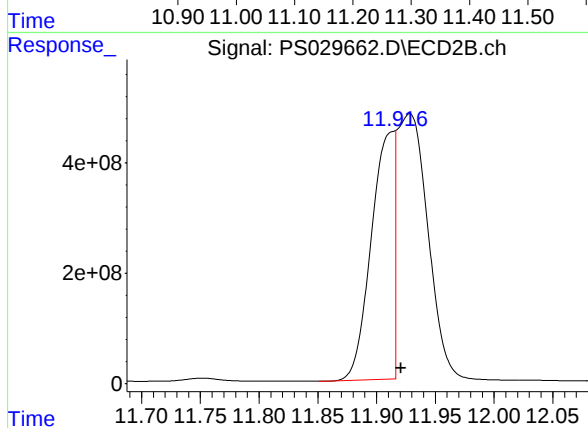
#15 Picloram

R.T.: 11.928 min
Delta R.T.: -0.001 min
Response: 9179942750
Conc: 783.18 ng/ml m



#16 DCPA

R.T.: 11.194 min
Delta R.T.: -0.002 min
Response: 10250438974
Conc: 733.95 ng/ml



#16 DCPA

R.T.: 11.916 min
Delta R.T.: -0.005 min
Response: 6152809061
Conc: 667.46 ng/ml m



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 03/20/2025 Initial Calibration Date(s): 03/20/2025 03/20/2025

Continuing Calib Time: 14:55 Initial Calibration Time(s): 12:07 13:43

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.34	7.34	7.24	7.44	0.00
MCP	7.52	7.52	7.42	7.62	0.00
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
Dalapon	2.59	2.59	2.49	2.69	0.00
MCPA	7.66	7.67	7.57	7.77	0.01
DICHLORPROP	8.04	8.04	7.94	8.14	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.13	9.13	9.03	9.23	0.00
2,4,5-T	9.43	9.43	9.33	9.53	0.00
2,4-DB	10.00	10.00	9.90	10.10	0.00
Dinoseb	11.19	11.19	11.09	11.29	0.00
Pentachlorophenol	8.56	8.56	8.46	8.66	0.00
4-Nitrophenol	6.96	6.96	6.86	7.06	0.00
PICLORAM	11.00	11.01	10.91	11.11	0.01
DCPA	11.48	11.48	11.38	11.58	0.00
3,5-DICHLOROBENZ	6.34	6.34	6.24	6.44	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 03/20/2025 Initial Calibration Date(s): 03/20/2025 03/20/2025

Continuing Calib Time: 14:55 Initial Calibration Time(s): 12:07 13:43

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.79	7.79	7.69	7.89	0.00
MCPD	7.89	7.90	7.80	8.00	0.01
2,4-DCAA	7.60	7.60	7.50	7.70	0.00
Dalapon	2.63	2.63	2.53	2.73	0.00
MCPA	8.13	8.13	8.03	8.23	0.00
DICHLORPROP	8.49	8.50	8.40	8.60	0.01
2,4-D	8.82	8.82	8.72	8.92	0.00
2,4,5-TP(Silvex)	9.71	9.71	9.61	9.81	0.00
2,4,5-T	10.12	10.12	10.02	10.22	0.00
2,4-DB	10.68	10.68	10.58	10.78	0.00
Dinoseb	11.05	11.05	10.95	11.15	0.00
Pentachlorophenol	9.33	9.33	9.23	9.43	0.00
4-Nitrophenol	7.13	7.13	7.03	7.23	0.00
PICLORAM	12.12	12.12	12.02	12.22	0.00
DCPA	12.08	12.08	11.98	12.18	0.00
3,5-DICHLOROBENZ	6.58	6.58	6.48	6.68	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 03/20/2025 03/20/2025

Client Sample No.: CCAL01 Date Analyzed: 03/20/2025

Lab Sample No.: HSTDCCC750 Data File : PS029478.D Time Analyzed: 14:55

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
2,4,5-T	9.426	9.327	9.527	734.140	712.500	3.0
2,4,5-TP(Silvex)	9.133	9.034	9.234	731.170	712.500	2.6
2,4-D	8.270	8.171	8.371	722.050	705.000	2.4
2,4-DB	9.996	9.897	10.097	706.050	712.500	-0.9
2,4-DCAA	7.156	7.057	7.257	763.800	750.000	1.8
3,5-DICHLOROBENZOIC ACID	6.338	6.239	6.439	706.340	697.500	1.3
4-Nitrophenol	6.958	6.859	7.059	669.100	682.500	-2.0
Dalapon	2.589	2.491	2.691	604.480	682.500	-11.4
DCPA	11.482	11.384	11.584	743.050	720.000	3.2
DICAMBA	7.337	7.238	7.438	718.550	705.000	1.9
DICHLORPROP	8.038	7.939	8.139	718.160	705.000	1.9
Dinoseb	11.185	11.086	11.286	735.960	705.000	4.4
MCPA	7.664	7.566	7.766	69.620	69.750	-0.2
MCPP	7.517	7.418	7.618	70.240	70.500	-0.4
Pentachlorophenol	8.562	8.462	8.662	785.790	712.500	10.3
PICLORAM	11.004	10.905	11.105	722.460	712.500	1.4



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/20/2025 03/20/2025

Client Sample No.: CCAL01 Date Analyzed: 03/20/2025

Lab Sample No.: HSTDCCC750 Data File : PS029478.D Time Analyzed: 14:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.118	10.020	10.220	714.870	712.500	0.3
2,4,5-TP(Silvex)	9.706	9.608	9.808	717.100	712.500	0.6
2,4-D	8.818	8.720	8.920	705.890	705.000	0.1
2,4-DB	10.679	10.581	10.781	710.390	712.500	-0.3
2,4-DCAA	7.597	7.499	7.699	748.790	750.000	-0.2
3,5-DICHLOROBENZOIC ACID	6.575	6.477	6.677	698.210	697.500	0.1
4-Nitrophenol	7.132	7.033	7.233	687.820	682.500	0.8
Dalapon	2.629	2.531	2.731	644.540	682.500	-5.6
DCPA	12.080	11.982	12.182	726.350	720.000	0.9
DICAMBA	7.788	7.690	7.890	700.790	705.000	-0.6
DICHLORPROP	8.493	8.396	8.596	706.410	705.000	0.2
Dinoseb	11.051	10.954	11.154	722.300	705.000	2.5
MCPA	8.130	8.033	8.233	69.950	69.750	0.3
MCPP	7.893	7.795	7.995	70.670	70.500	0.2
Pentachlorophenol	9.329	9.231	9.431	722.000	712.500	1.3
PICLORAM	12.120	12.022	12.222	710.930	712.500	-0.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
 Data File : PS029478.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 14:55
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 21 04:53:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:46:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.156	7.597	3160.6E6	651.1E6	763.803	748.787
Target Compounds							
1) T	Dalapon	2.589	2.629	3390.8E6	1300.8E6	604.477	644.536
2) T	3,5-DICHL...	6.338	6.575	4109.8E6	930.8E6	706.343	698.211
3) T	4-Nitroph...	6.958	7.132	1261.8E6	495.1E6	669.103	687.815
5) T	DICAMBA	7.337	7.788	12885.5E6	3591.9E6	718.546	700.786
6) T	MCP	7.517	7.893	927.0E6	163.3E6	70.236	70.675
7) T	MCPA	7.664	8.130	1200.0E6	209.9E6	69.617	69.949
8) T	DICHLORPROP	8.038	8.493	3316.2E6	855.0E6	718.157	706.408
9) T	2,4-D	8.270	8.818	3266.2E6	847.6E6	722.049	705.887
10) T	Pentachlo...	8.562	9.329	44099.9E6	16744.8E6	785.790	721.995
11) T	2,4,5-TP ...	9.133	9.706	18065.4E6	6442.6E6	731.170	717.100
12) T	2,4,5-T	9.426	10.118	18285.9E6	5572.1E6	734.138	714.872
13) T	2,4-DB	9.996	10.679	2580.9E6	534.6E6	706.053	710.388
14) T	DINOSEB	11.185	11.051	12810.8E6	4169.0E6	735.957	722.298
15) T	Picloram	11.004	12.120	21763.7E6	8068.4E6	722.457	710.935
16) T	DCPA	11.482	12.080	22258.5E6	8684.4E6	743.045	726.351

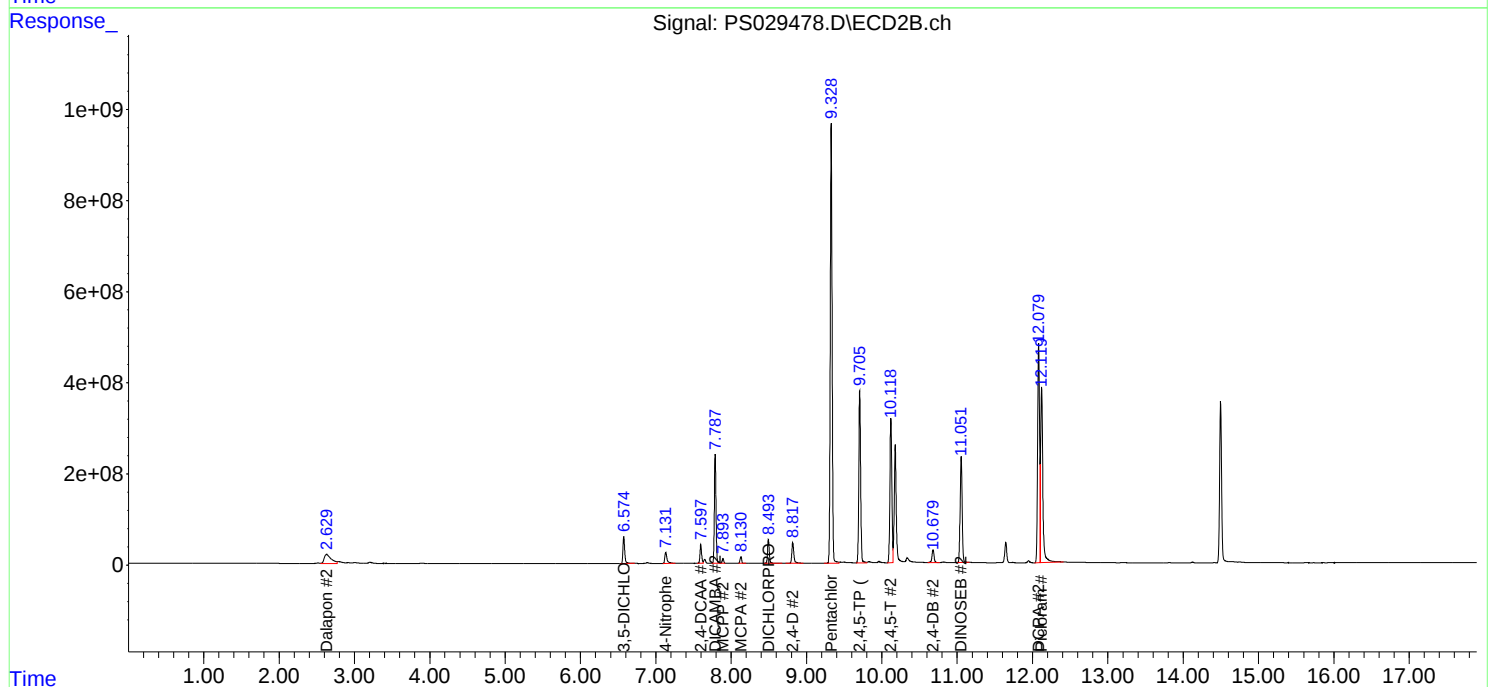
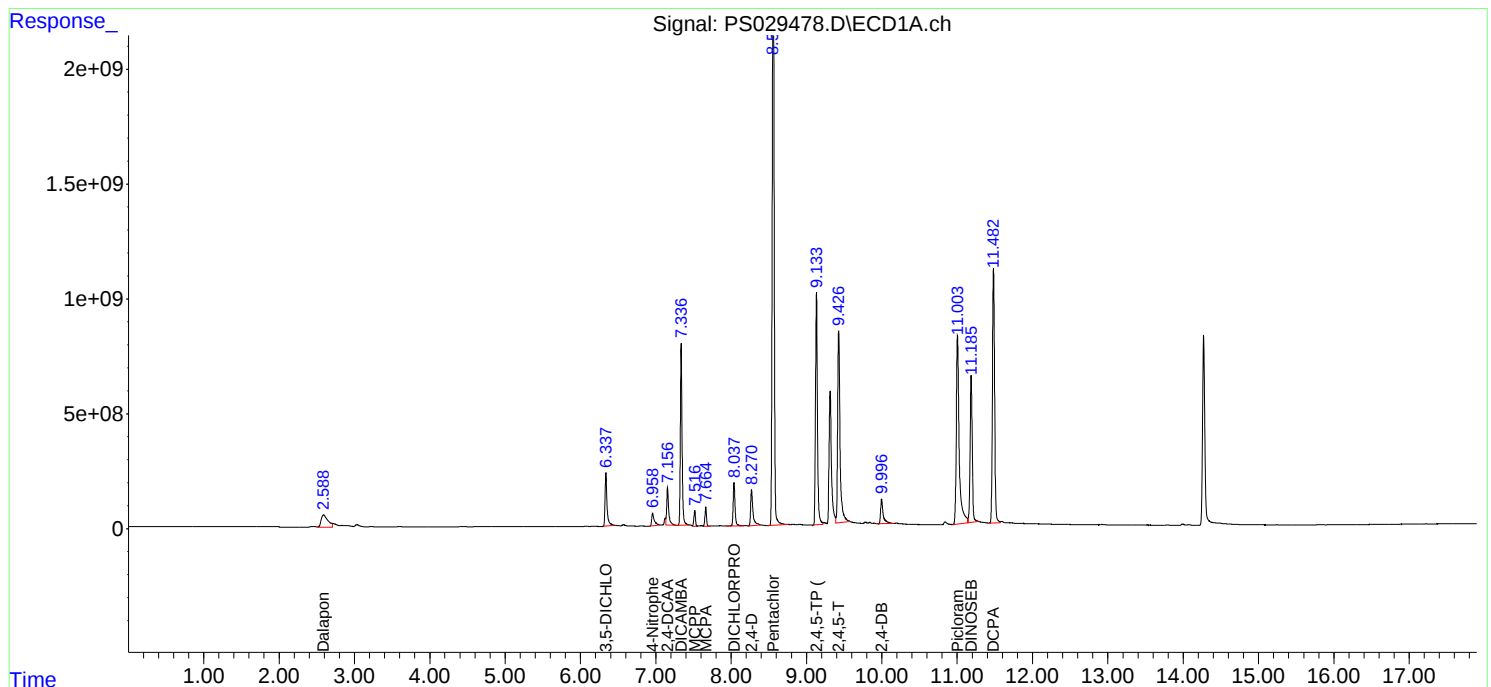
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

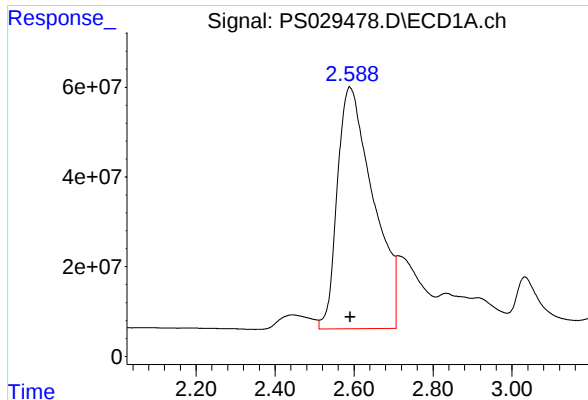
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029478.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 14:55
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 04:53:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:46:07 2025
Response via : Initial 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

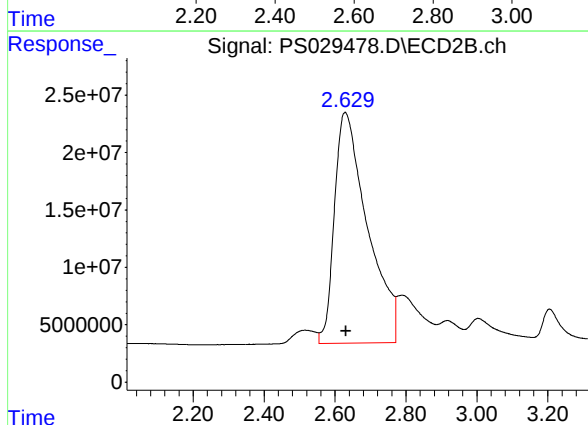




#1 Dalapon

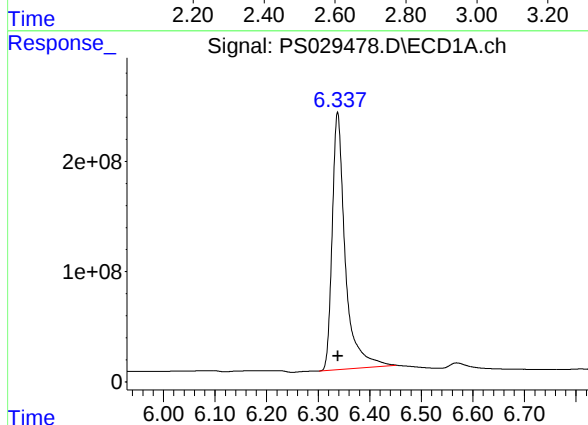
R.T.: 2.589 min
Delta R.T.: -0.002 min
Response: 3390802081
Conc: 604.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



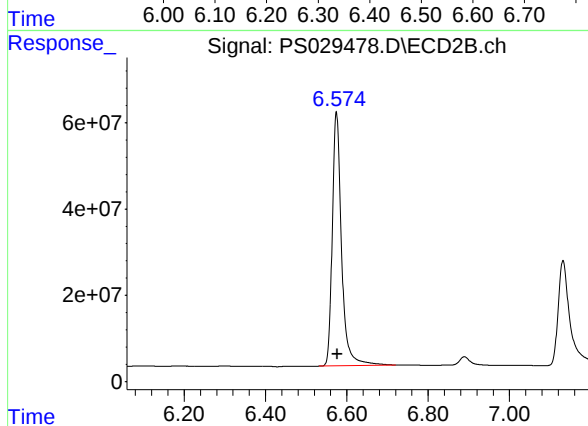
#1 Dalapon

R.T.: 2.629 min
Delta R.T.: -0.002 min
Response: 1300843937
Conc: 644.54 ng/ml



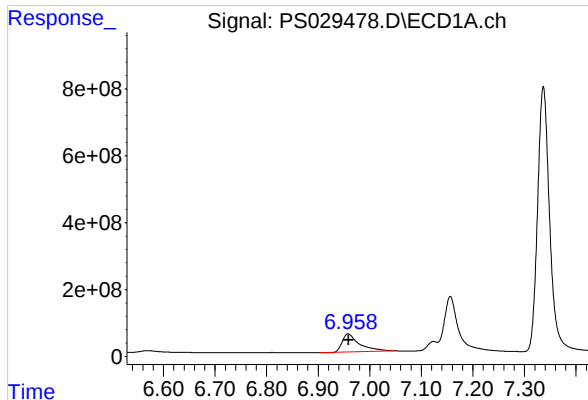
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 4109795515
Conc: 706.34 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

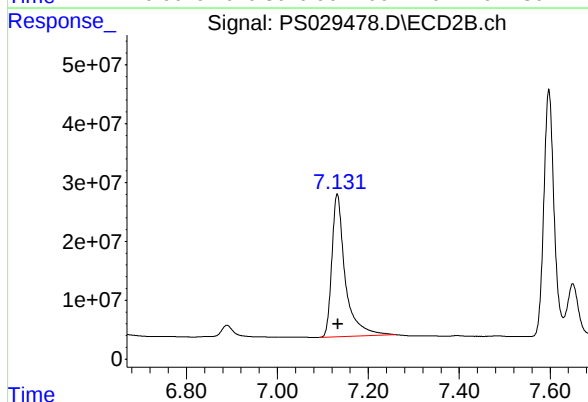
R.T.: 6.575 min
Delta R.T.: -0.002 min
Response: 930803019
Conc: 698.21 ng/ml



#3 4-Nitrophenol

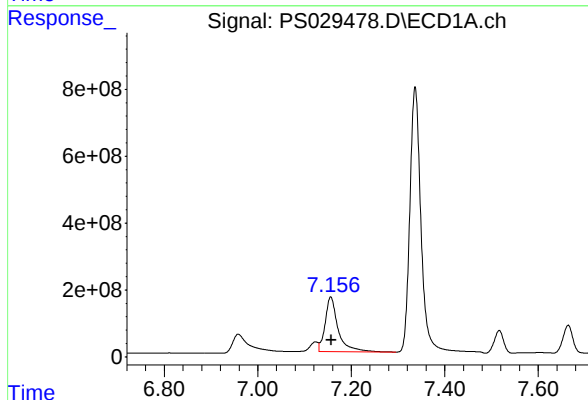
R.T.: 6.958 min
Delta R.T.: 0.000 min
Response: 1261797548
Conc: 669.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



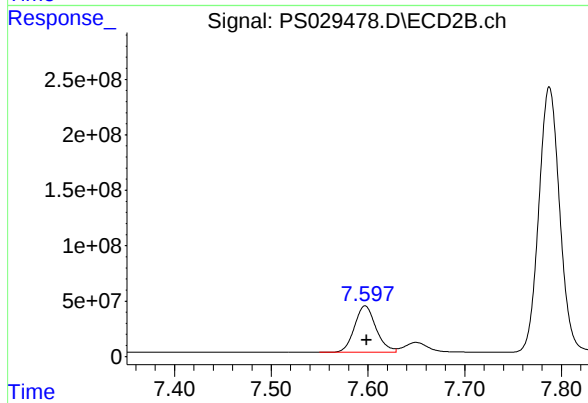
#3 4-Nitrophenol

R.T.: 7.132 min
Delta R.T.: -0.002 min
Response: 495135390
Conc: 687.82 ng/ml



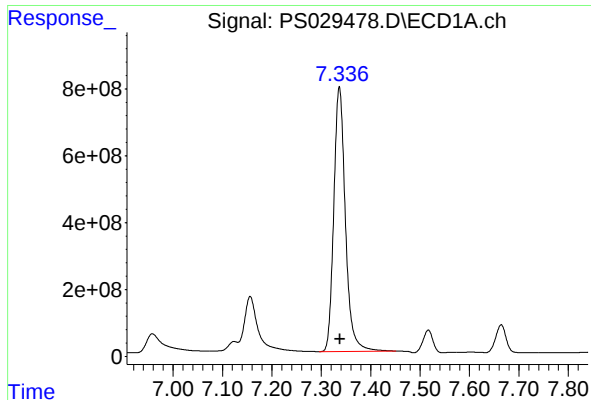
#4 2,4-DCAA

R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 3160633985
Conc: 763.80 ng/ml



#4 2,4-DCAA

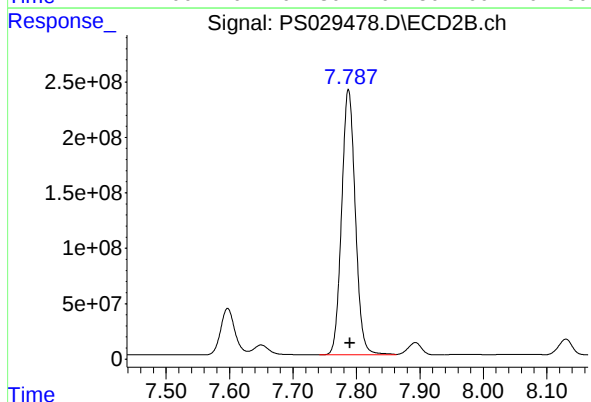
R.T.: 7.597 min
Delta R.T.: -0.001 min
Response: 651063396
Conc: 748.79 ng/ml



#5 DICAMBA

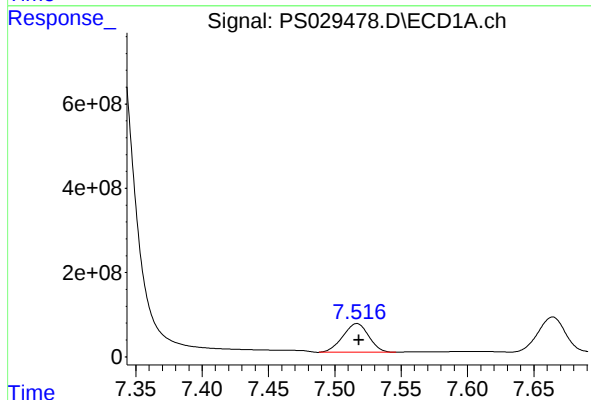
R.T.: 7.337 min
Delta R.T.: -0.001 min
Response: 12885516778
Conc: 718.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



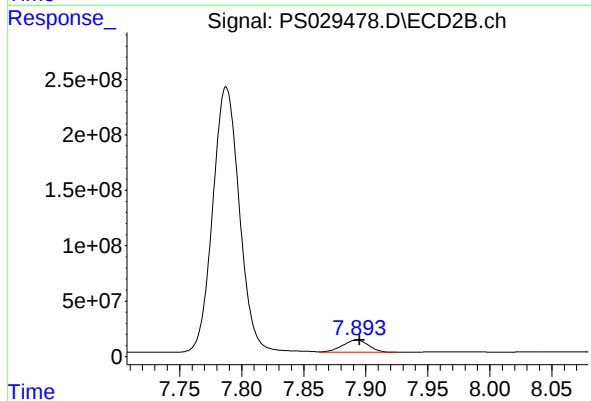
#5 DICAMBA

R.T.: 7.788 min
Delta R.T.: -0.003 min
Response: 3591903259
Conc: 700.79 ng/ml



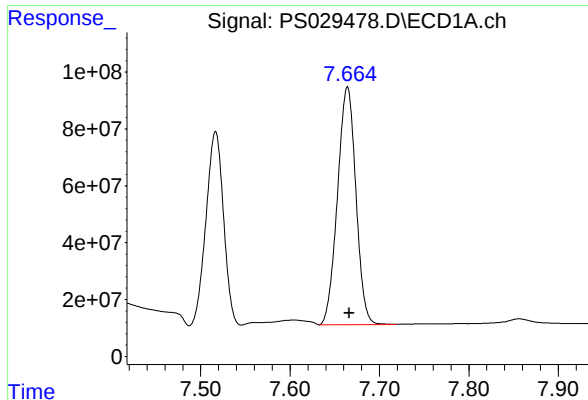
#6 MCPP

R.T.: 7.517 min
Delta R.T.: -0.002 min
Response: 926995593
Conc: 70.24 ug/ml



#6 MCPP

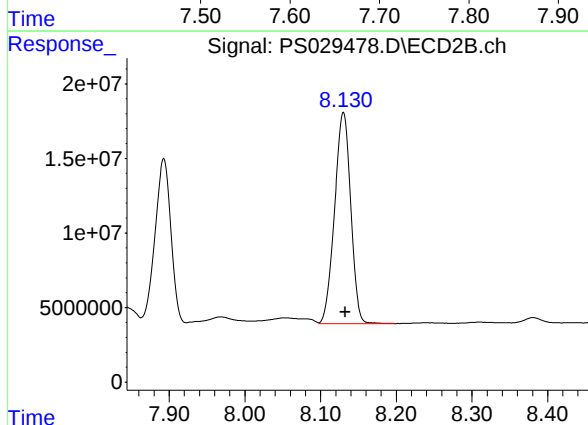
R.T.: 7.893 min
Delta R.T.: -0.002 min
Response: 163335277
Conc: 70.67 ug/ml



#7 MCPA

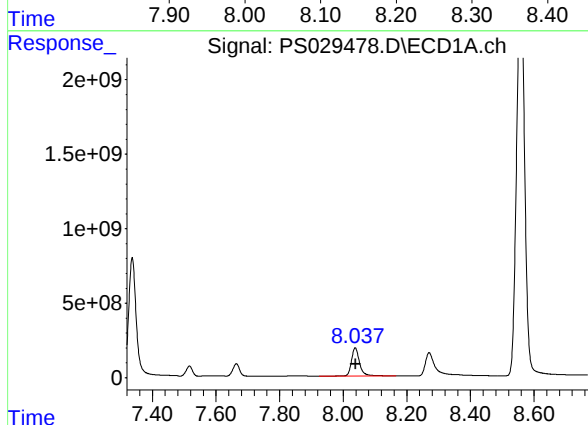
R.T.: 7.664 min
Delta R.T.: -0.002 min
Response: 1200010499
Conc: 69.62 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



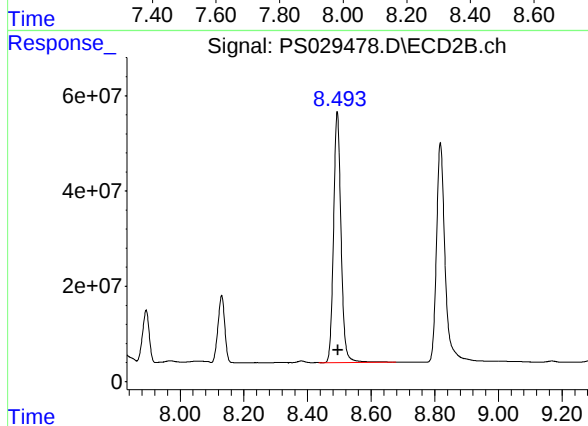
#7 MCPA

R.T.: 8.130 min
Delta R.T.: -0.002 min
Response: 209920228
Conc: 69.95 ug/ml



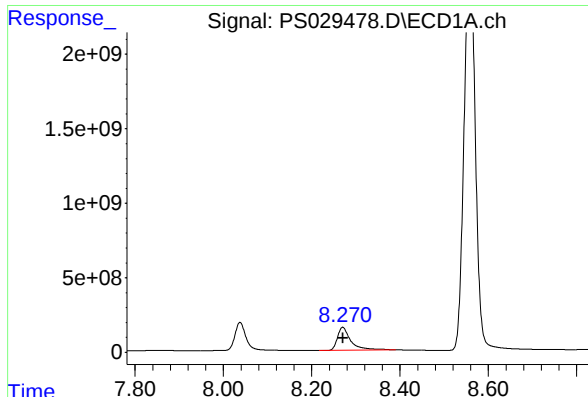
#8 DICHLORPROP

R.T.: 8.038 min
Delta R.T.: -0.001 min
Response: 3316172583
Conc: 718.16 ng/ml



#8 DICHLORPROP

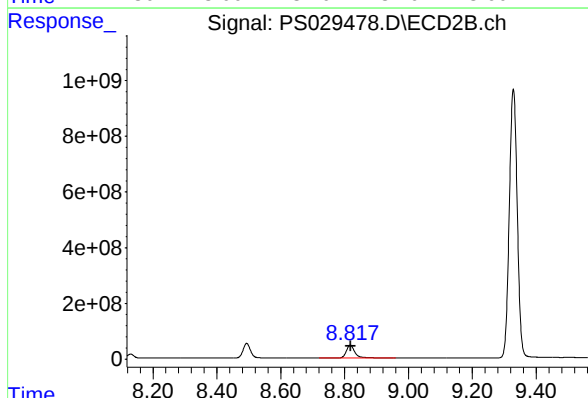
R.T.: 8.493 min
Delta R.T.: -0.002 min
Response: 854951883
Conc: 706.41 ng/ml



#9 2,4-D

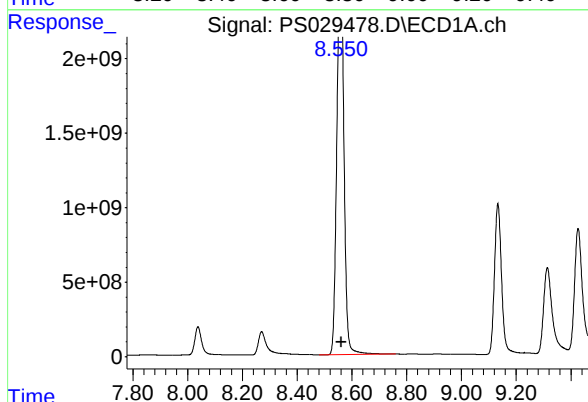
R.T.: 8.270 min
Delta R.T.: 0.000 min
Response: 3266241534
Conc: 722.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



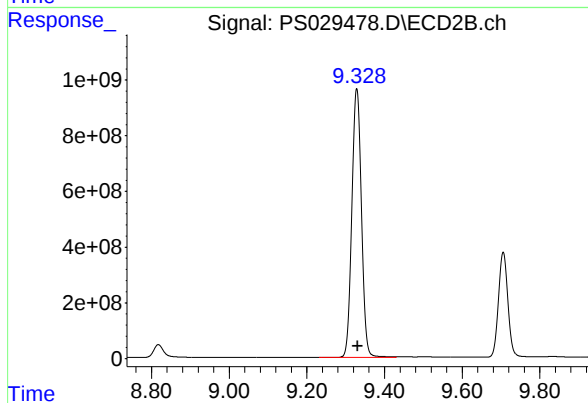
#9 2,4-D

R.T.: 8.818 min
Delta R.T.: -0.002 min
Response: 847603115
Conc: 705.89 ng/ml



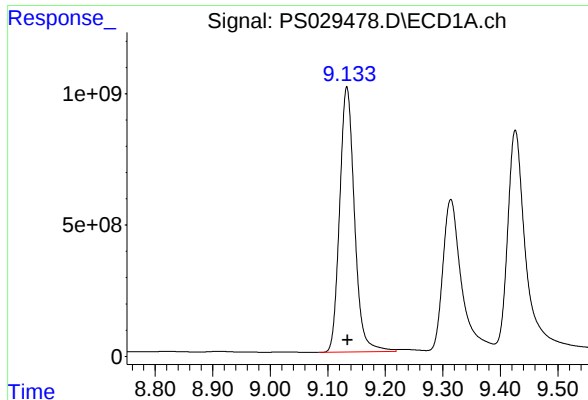
#10 Pentachlorophenol

R.T.: 8.562 min
Delta R.T.: 0.000 min
Response: 44099941223
Conc: 785.79 ng/ml



#10 Pentachlorophenol

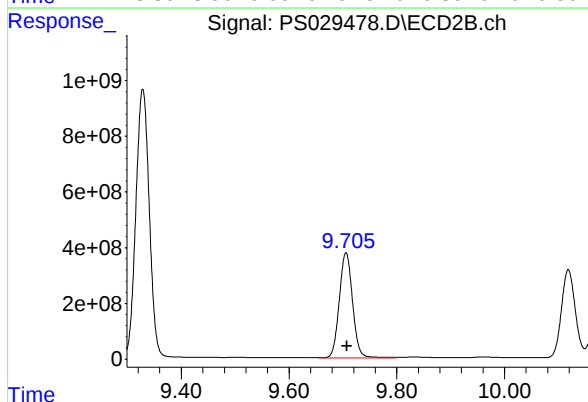
R.T.: 9.329 min
Delta R.T.: -0.003 min
Response: 16744797743
Conc: 722.00 ng/ml



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

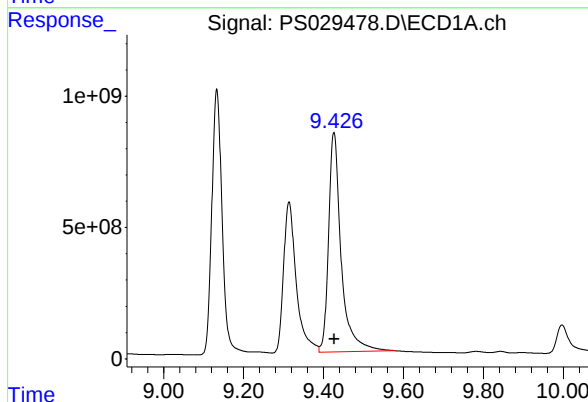
R.T.: 9.133 min
Delta R.T.: -0.001 min
Response: 18065435595
Conc: 731.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



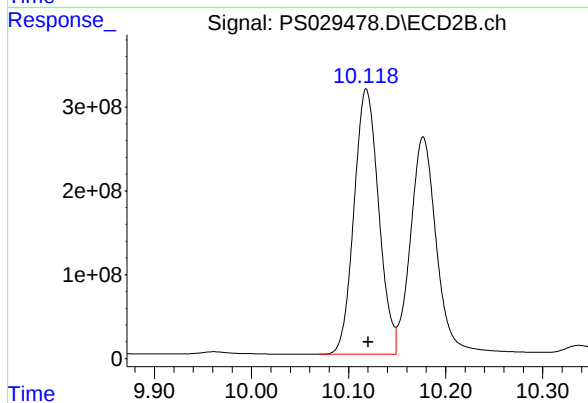
#11 2,4,5-TP (SILVEX)

R.T.: 9.706 min
Delta R.T.: -0.002 min
Response: 6442578396
Conc: 717.10 ng/ml



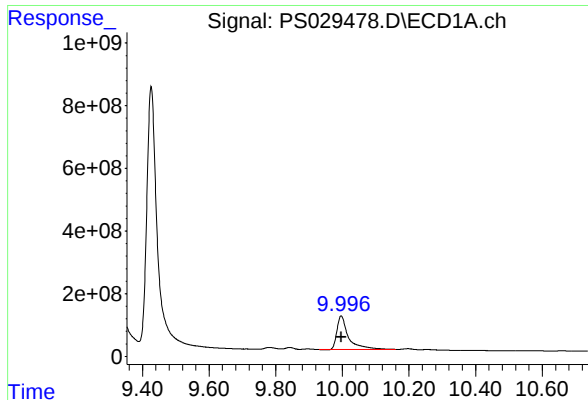
#12 2,4,5-T

R.T.: 9.426 min
Delta R.T.: -0.001 min
Response: 18285900428
Conc: 734.14 ng/ml



#12 2,4,5-T

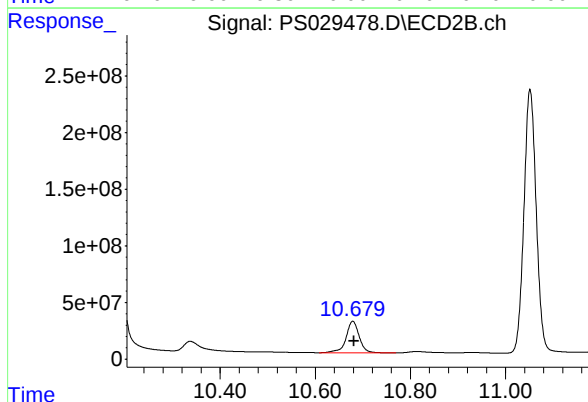
R.T.: 10.118 min
Delta R.T.: -0.002 min
Response: 5572063495
Conc: 714.87 ng/ml



#13 2,4-DB

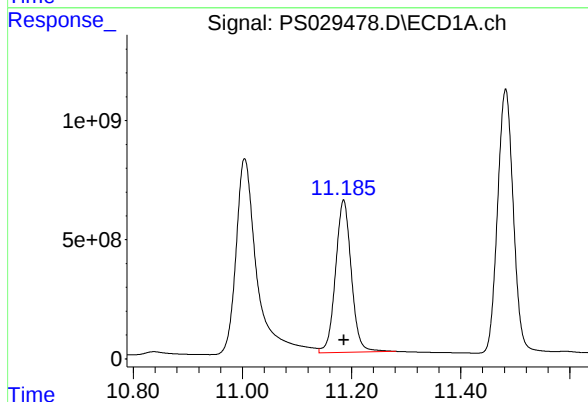
R.T.: 9.996 min
Delta R.T.: 0.000 min
Response: 2580940994
Conc: 706.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



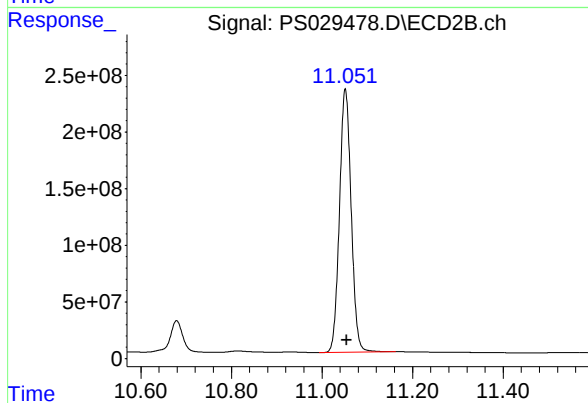
#13 2,4-DB

R.T.: 10.679 min
Delta R.T.: -0.002 min
Response: 534566041
Conc: 710.39 ng/ml



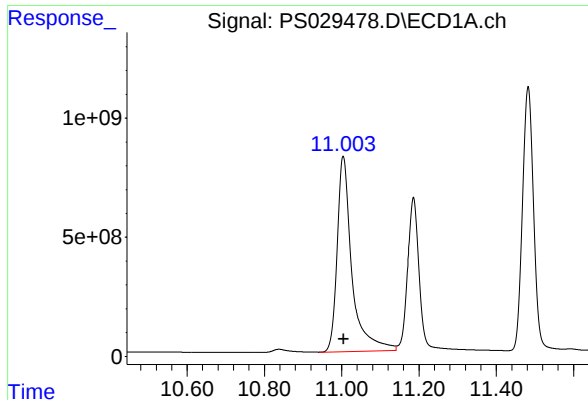
#14 DINOSEB

R.T.: 11.185 min
Delta R.T.: -0.001 min
Response: 12810815940
Conc: 735.96 ng/ml



#14 DINOSEB

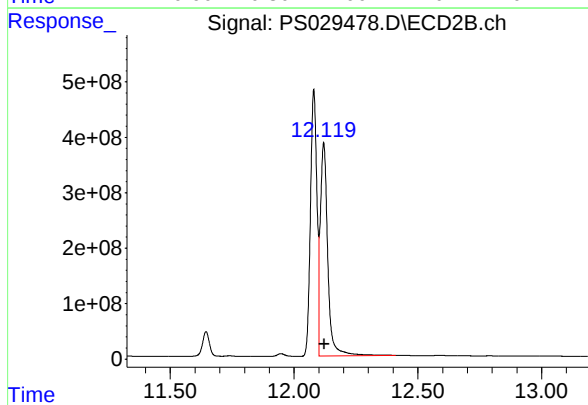
R.T.: 11.051 min
Delta R.T.: -0.003 min
Response: 4168985305
Conc: 722.30 ng/ml



#15 Picloram

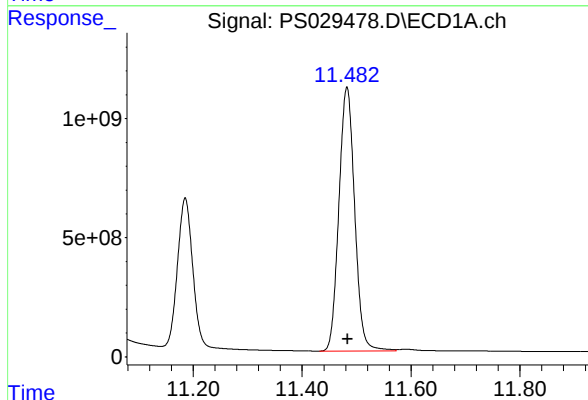
R.T.: 11.004 min
Delta R.T.: -0.001 min
Response: 21763668769
Conc: 722.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



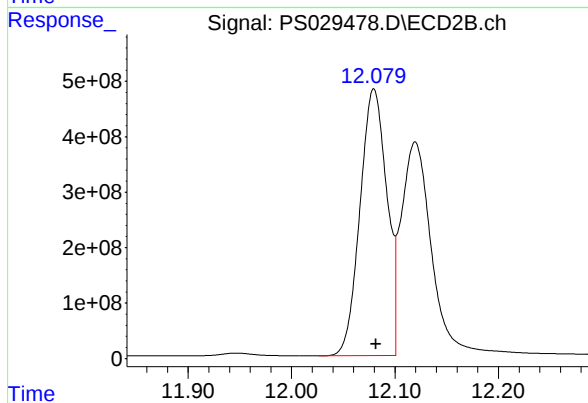
#15 Picloram

R.T.: 12.120 min
Delta R.T.: -0.002 min
Response: 8068368294
Conc: 710.93 ng/ml



#16 DCPA

R.T.: 11.482 min
Delta R.T.: -0.001 min
Response: 22258512917
Conc: 743.05 ng/ml



#16 DCPA

R.T.: 12.080 min
Delta R.T.: -0.002 min
Response: 8684449251
Conc: 726.35 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 03/20/2025 Initial Calibration Date(s): 03/20/2025 03/20/2025

Continuing Calib Time: 18:57 Initial Calibration Time(s): 12:07 13:43

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.33	7.34	7.24	7.44	0.01
MCP	7.51	7.52	7.42	7.62	0.01
2,4-DCAA	7.15	7.16	7.06	7.26	0.01
Dalapon	2.59	2.59	2.49	2.69	0.00
MCPA	7.66	7.67	7.57	7.77	0.01
DICHLORPROP	8.03	8.04	7.94	8.14	0.01
2,4-D	8.26	8.27	8.17	8.37	0.01
2,4,5-TP(Silvex)	9.12	9.13	9.03	9.23	0.01
2,4,5-T	9.42	9.43	9.33	9.53	0.02
2,4-DB	9.98	10.00	9.90	10.10	0.02
Dinoseb	11.18	11.19	11.09	11.29	0.01
Pentachlorophenol	8.56	8.56	8.46	8.66	0.00
4-Nitrophenol	6.95	6.96	6.86	7.06	0.01
PICLORAM	10.99	11.01	10.91	11.11	0.02
DCPA	11.47	11.48	11.38	11.58	0.01
3,5-DICHLOROBENZ	6.33	6.34	6.24	6.44	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 03/20/2025 Initial Calibration Date(s): 03/20/2025 03/20/2025

Continuing Calib Time: 18:57 Initial Calibration Time(s): 12:07 13:43

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.77	7.79	7.69	7.89	0.02
MCPD	7.88	7.90	7.80	8.00	0.02
2,4-DCAA	7.58	7.60	7.50	7.70	0.02
Dalapon	2.63	2.63	2.53	2.73	0.00
MCPA	8.12	8.13	8.03	8.23	0.01
DICHLORPROP	8.48	8.50	8.40	8.60	0.02
2,4-D	8.80	8.82	8.72	8.92	0.02
2,4,5-TP(Silvex)	9.69	9.71	9.61	9.81	0.02
2,4,5-T	10.10	10.12	10.02	10.22	0.02
2,4-DB	10.66	10.68	10.58	10.78	0.02
Dinoseb	11.03	11.05	10.95	11.15	0.02
Pentachlorophenol	9.31	9.33	9.23	9.43	0.02
4-Nitrophenol	7.12	7.13	7.03	7.23	0.01
PICLORAM	12.10	12.12	12.02	12.22	0.02
DCPA	12.06	12.08	11.98	12.18	0.02
3,5-DICHLOROBENZ	6.57	6.58	6.48	6.68	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 03/20/2025 03/20/2025

Client Sample No.: CCAL02 Date Analyzed: 03/20/2025

Lab Sample No.: HSTDCCC750 Data File : PS029486.D Time Analyzed: 18:57

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.415	9.327	9.527	747.700	712.500	4.9
2,4,5-TP(Silvex)	9.124	9.034	9.234	742.680	712.500	4.2
2,4-D	8.260	8.171	8.371	744.150	705.000	5.6
2,4-DB	9.984	9.897	10.097	777.570	712.500	9.1
2,4-DCAA	7.149	7.057	7.257	784.230	750.000	4.6
3,5-DICHLOROBENZOIC ACID	6.333	6.239	6.439	735.280	697.500	5.4
4-Nitrophenol	6.950	6.859	7.059	773.790	682.500	13.4
Dalapon	2.594	2.491	2.691	750.060	682.500	9.9
DCPA	11.472	11.384	11.584	742.470	720.000	3.1
DICAMBA	7.331	7.238	7.438	737.640	705.000	4.6
DICHLORPROP	8.030	7.939	8.139	733.370	705.000	4.0
Dinoseb	11.176	11.086	11.286	731.780	705.000	3.8
MCPA	7.660	7.566	7.766	71.890	69.750	3.1
MCPP	7.511	7.418	7.618	68.450	70.500	-2.9
Pentachlorophenol	8.555	8.462	8.662	785.820	712.500	10.3
PICLORAM	10.992	10.905	11.105	723.580	712.500	1.6



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/20/2025 03/20/2025

Client Sample No.: CCAL02 Date Analyzed: 03/20/2025

Lab Sample No.: HSTDCCC750 Data File : PS029486.D Time Analyzed: 18:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.099	10.020	10.220	755.460	712.500	6.0
2,4,5-TP(Silvex)	9.687	9.608	9.808	746.140	712.500	4.7
2,4-D	8.800	8.720	8.920	746.190	705.000	5.8
2,4-DB	10.660	10.581	10.781	753.270	712.500	5.7
2,4-DCAA	7.584	7.499	7.699	786.740	750.000	4.9
3,5-DICHLOROBENZOIC ACID	6.566	6.477	6.677	727.800	697.500	4.3
4-Nitrophenol	7.119	7.033	7.233	734.600	682.500	7.6
Dalapon	2.634	2.531	2.731	667.390	682.500	-2.2
DCPA	12.061	11.982	12.182	770.350	720.000	7.0
DICAMBA	7.774	7.690	7.890	730.240	705.000	3.6
DICHLORPROP	8.477	8.396	8.596	733.430	705.000	4.0
Dinoseb	11.033	10.954	11.154	753.170	705.000	6.8
MCPA	8.116	8.033	8.233	71.600	69.750	2.7
MCPP	7.880	7.795	7.995	71.080	70.500	0.8
Pentachlorophenol	9.312	9.231	9.431	745.190	712.500	4.6
PICLORAM	12.100	12.022	12.222	729.480	712.500	2.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
 Data File : PS029486.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 18:57
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 21 05:14:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:46:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.149	7.584	3245.2E6	684.1E6	784.234	786.741
Target Compounds							
1) T	Dalapon	2.594	2.634	4207.5E6	1347.0E6	750.060	667.389
2) T	3,5-DICHL...	6.333	6.566	4278.1E6	970.3E6	735.277	727.803
3) T	4-Nitroph...	6.950	7.119	1459.2E6	528.8E6	773.785	734.604
5) T	DICAMBA	7.331	7.774	13227.9E6	3742.9E6	737.638	730.240
6) T	MCP	7.511	7.880	903.4E6	164.3E6	68.451	71.076
7) T	MCPA	7.660	8.116	1239.2E6	214.9E6	71.891	71.597
8) T	DICHLORPROP	8.030	8.477	3386.4E6	887.7E6	733.367	733.428
9) T	2,4-D	8.260	8.800	3366.2E6	896.0E6	744.145	746.192
10) T	Pentachlo...	8.555	9.312	44101.3E6	17282.8E6	785.815	745.191
11) T	2,4,5-TP ...	9.124	9.687	18349.9E6	6703.5E6	742.684	746.138
12) T	2,4,5-T	9.415	10.099	18623.7E6	5888.4E6	747.700	755.458
13) T	2,4-DB	9.984	10.660	2842.4E6	566.8E6	777.568	753.267
14) T	DINOSEB	11.176	11.033	12738.1E6	4347.1E6	731.782	753.166
15) T	Picloram	10.992	12.100	21797.4E6	8278.9E6	723.576	729.481
16) T	DCPA	11.472	12.061	22241.2E6	9210.5E6	742.468m	770.347m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 18:57
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

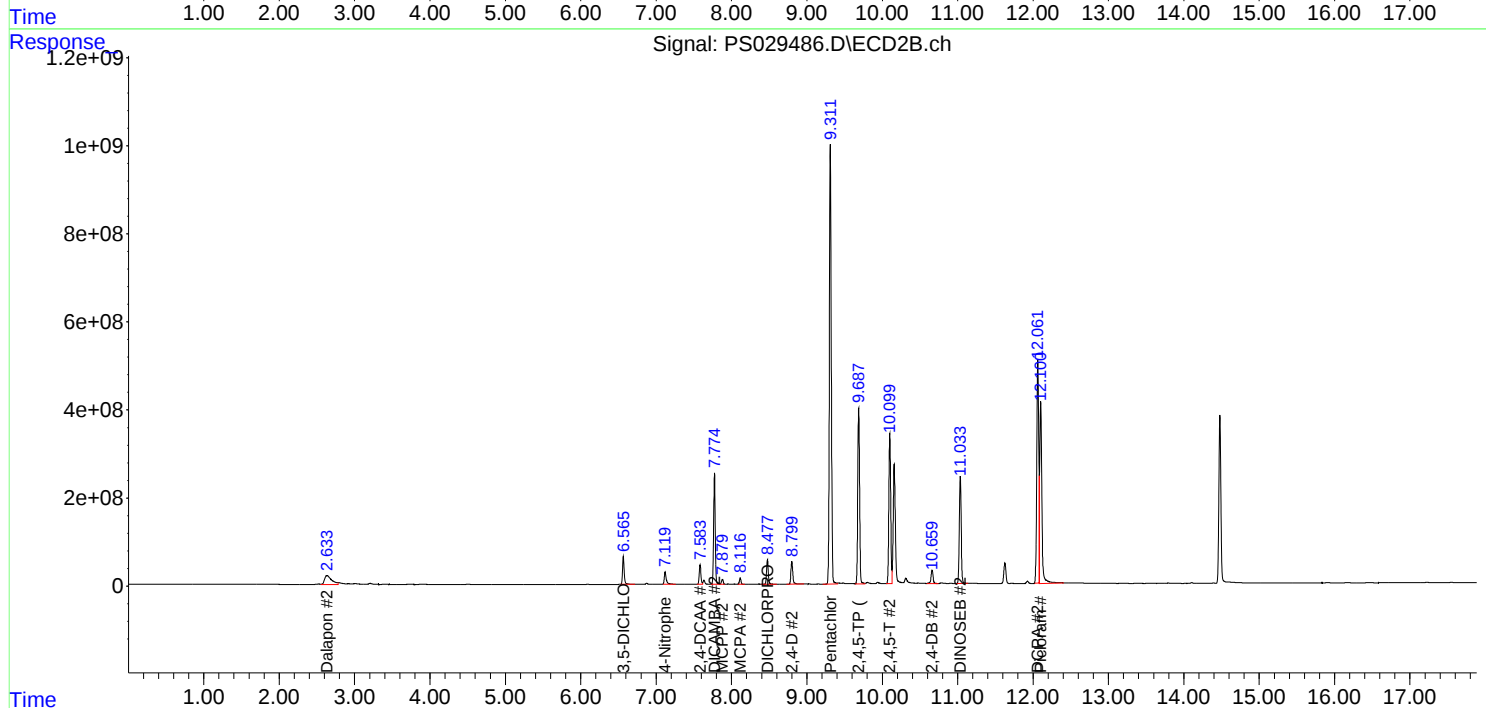
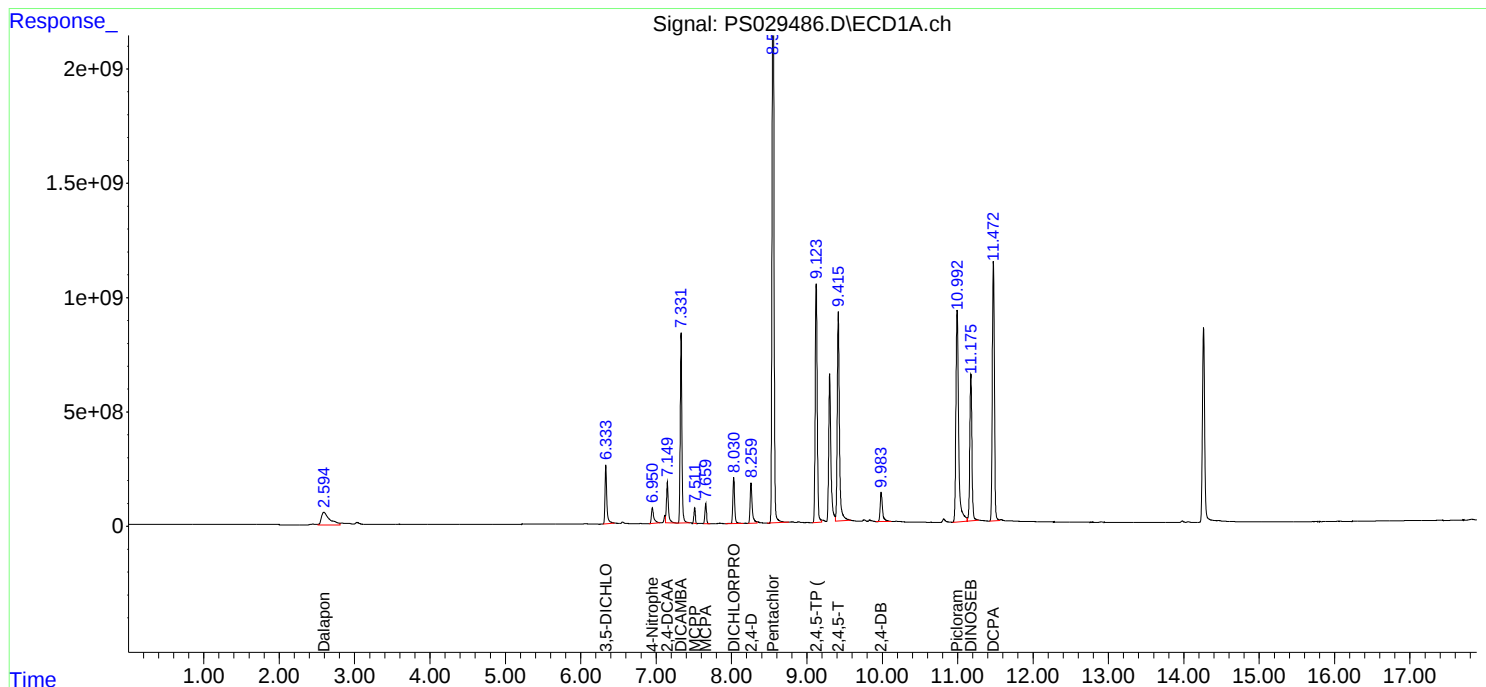
APPROVED

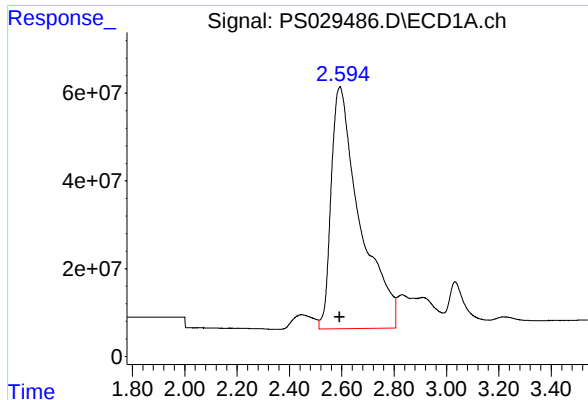
Reviewed By :Abdul Mirza 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 05:14:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:46:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





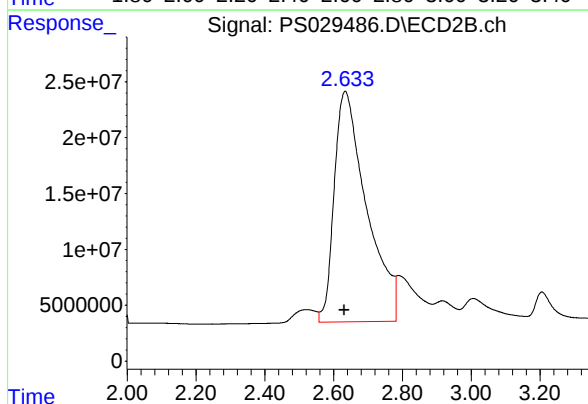
#1 Dalapon

R.T.: 2.594 min
Delta R.T.: 0.003 min
Response: 4207450603
Conc: 750.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

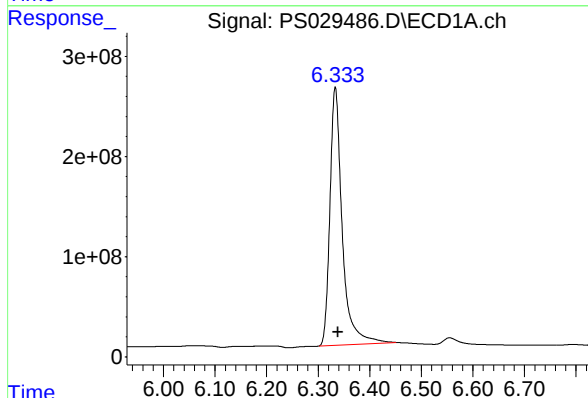
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



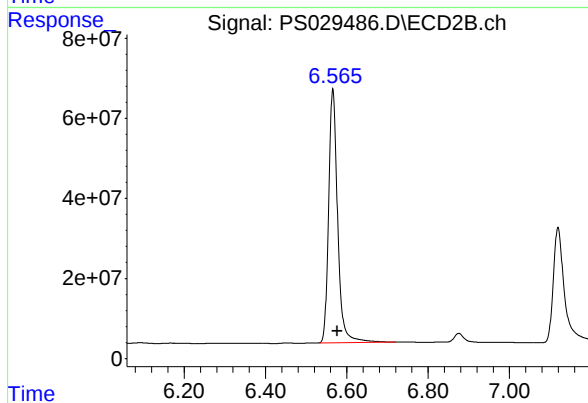
#1 Dalapon

R.T.: 2.634 min
Delta R.T.: 0.003 min
Response: 1346966819
Conc: 667.39 ng/ml



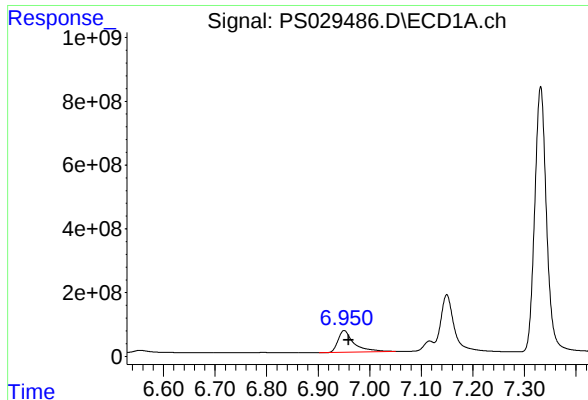
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.333 min
Delta R.T.: -0.005 min
Response: 4278142956
Conc: 735.28 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.566 min
Delta R.T.: -0.011 min
Response: 970252488
Conc: 727.80 ng/ml



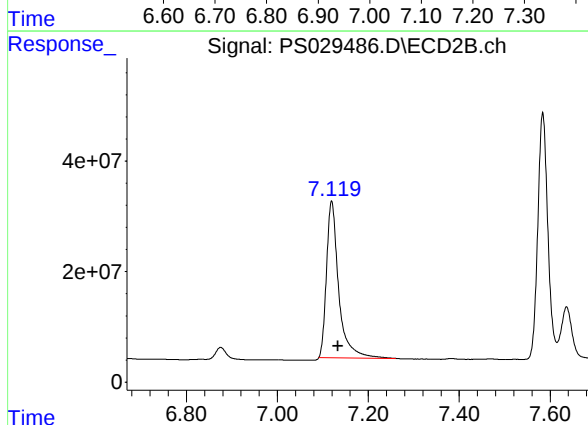
#3 4-Nitrophenol

R.T.: 6.950 min
Delta R.T.: -0.009 min
Response: 1459209032
Conc: 773.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

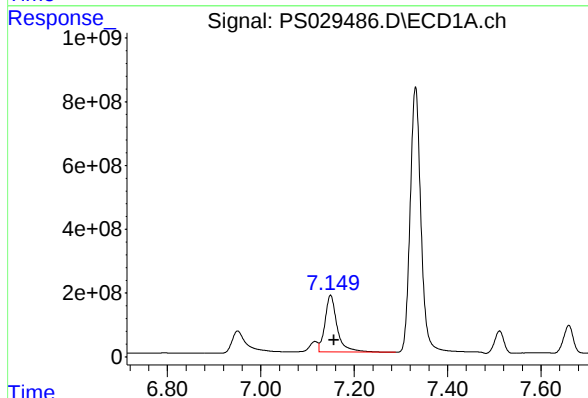
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



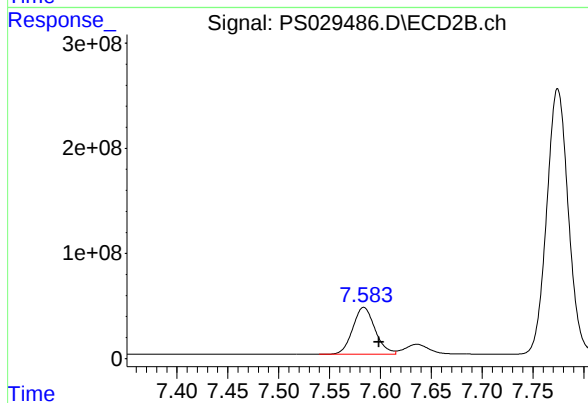
#3 4-Nitrophenol

R.T.: 7.119 min
Delta R.T.: -0.014 min
Response: 528817092
Conc: 734.60 ng/ml



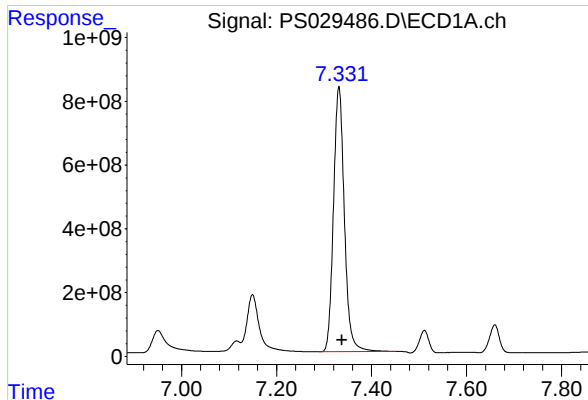
#4 2,4-DCAA

R.T.: 7.149 min
Delta R.T.: -0.008 min
Response: 3245177476
Conc: 784.23 ng/ml



#4 2,4-DCAA

R.T.: 7.584 min
Delta R.T.: -0.015 min
Response: 684063860
Conc: 786.74 ng/ml



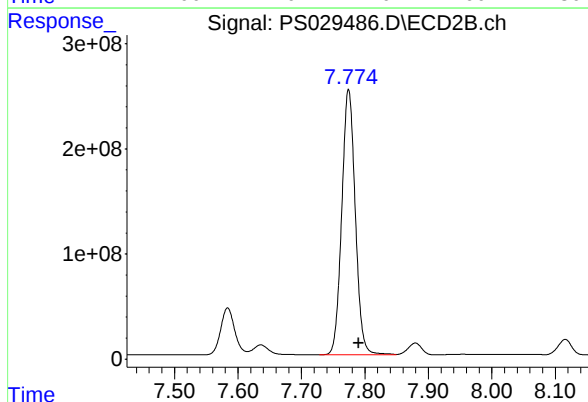
#5 DICAMBA

R.T.: 7.331 min
Delta R.T.: -0.006 min
Response: 13227898824
Conc: 737.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

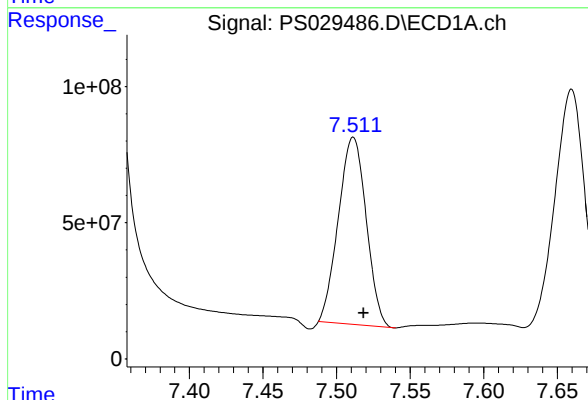
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



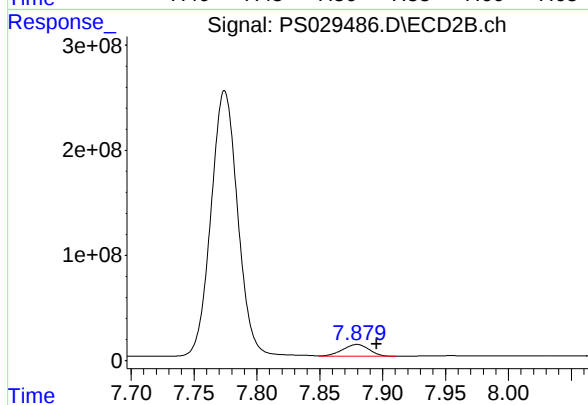
#5 DICAMBA

R.T.: 7.774 min
Delta R.T.: -0.016 min
Response: 3742868003
Conc: 730.24 ng/ml



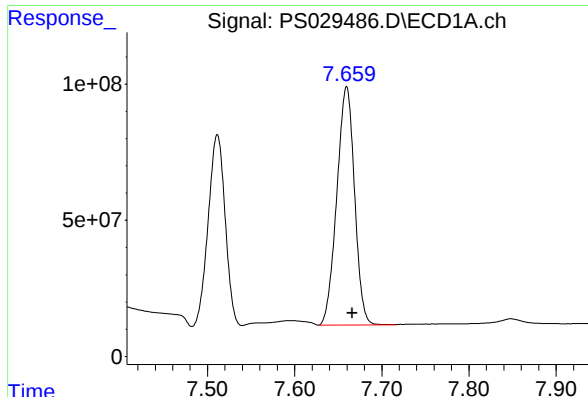
#6 MCPP

R.T.: 7.511 min
Delta R.T.: -0.007 min
Response: 903442066
Conc: 68.45 ug/ml



#6 MCPP

R.T.: 7.880 min
Delta R.T.: -0.016 min
Response: 164262381
Conc: 71.08 ug/ml



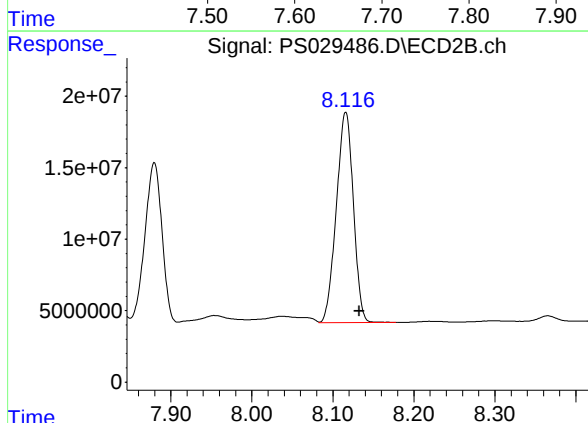
#7 MCPA

R.T.: 7.660 min
Delta R.T.: -0.007 min
Response: 1239214343
Conc: 71.89 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

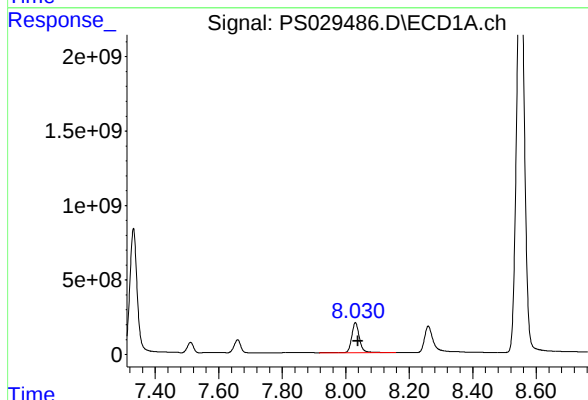
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



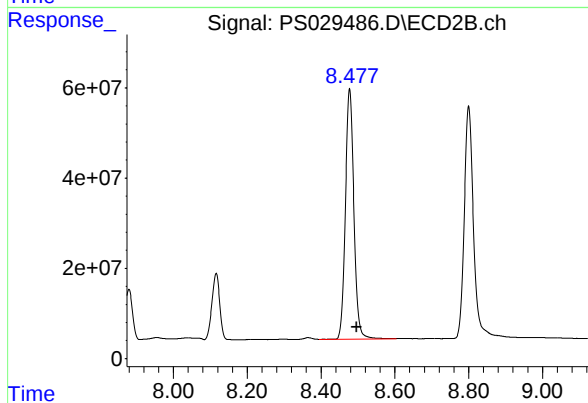
#7 MCPA

R.T.: 8.116 min
Delta R.T.: -0.017 min
Response: 214863858
Conc: 71.60 ug/ml



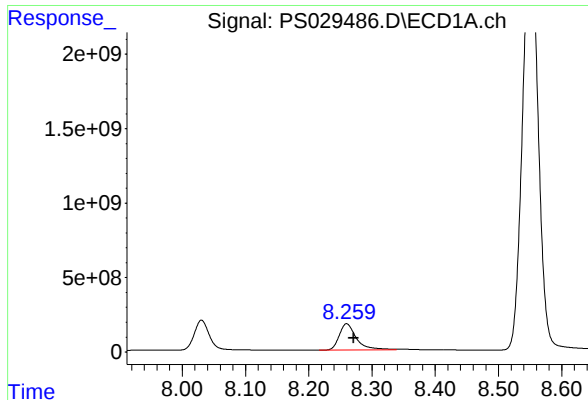
#8 DICHLORPROP

R.T.: 8.030 min
Delta R.T.: -0.008 min
Response: 3386407405
Conc: 733.37 ng/ml



#8 DICHLORPROP

R.T.: 8.477 min
Delta R.T.: -0.018 min
Response: 887654358
Conc: 733.43 ng/ml



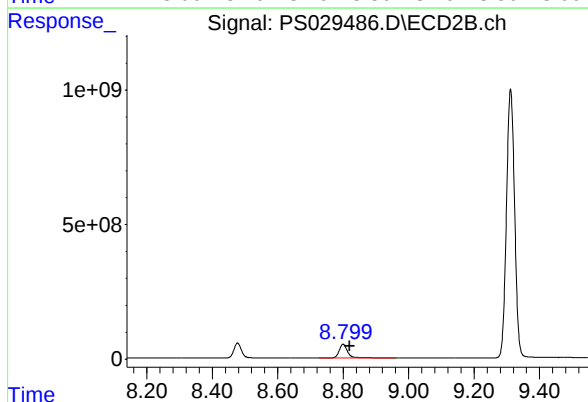
#9 2,4-D

R.T.: 8.260 min
Delta R.T.: -0.011 min
Response: 3366196280
Conc: 744.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

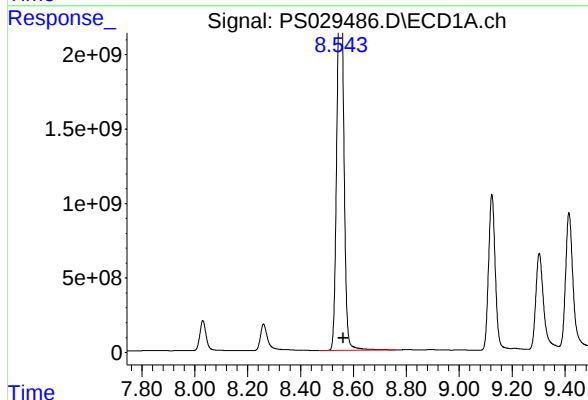
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



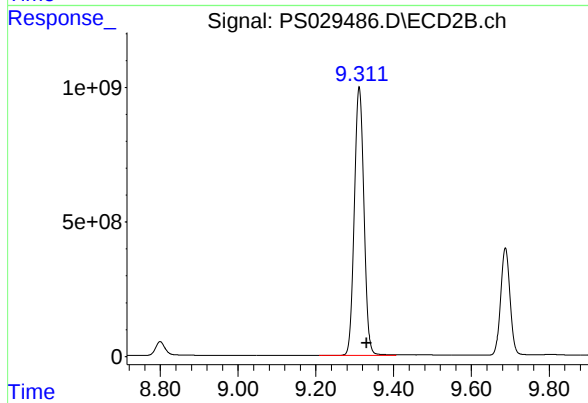
#9 2,4-D

R.T.: 8.800 min
Delta R.T.: -0.020 min
Response: 895999371
Conc: 746.19 ng/ml



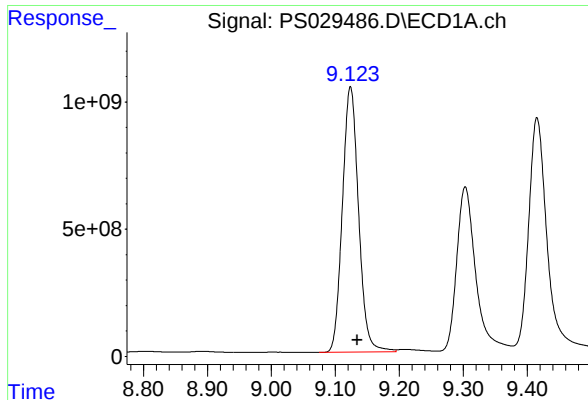
#10 Pentachlorophenol

R.T.: 8.555 min
Delta R.T.: -0.007 min
Response: 44101343385
Conc: 785.82 ng/ml



#10 Pentachlorophenol

R.T.: 9.312 min
Delta R.T.: -0.020 min
Response: 17282768868
Conc: 745.19 ng/ml



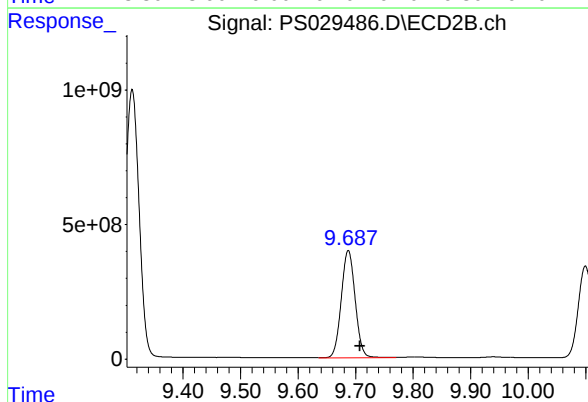
#11 2,4,5-TP (SILVEX)

R.T.: 9.124 min
Delta R.T.: -0.011 min
Response: 18349908249
Conc: 742.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

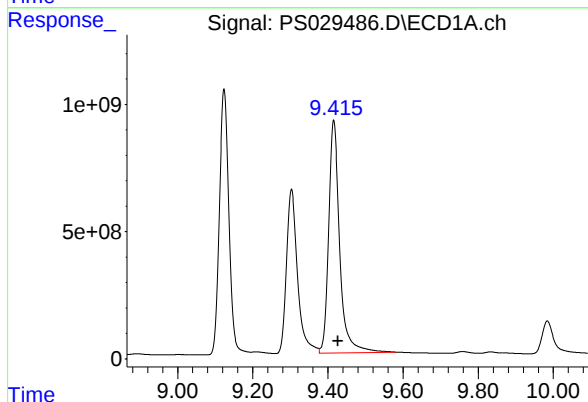
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



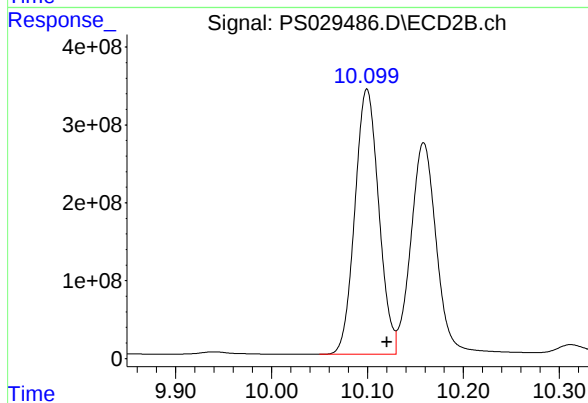
#11 2,4,5-TP (SILVEX)

R.T.: 9.687 min
Delta R.T.: -0.020 min
Response: 6703461666
Conc: 746.14 ng/ml



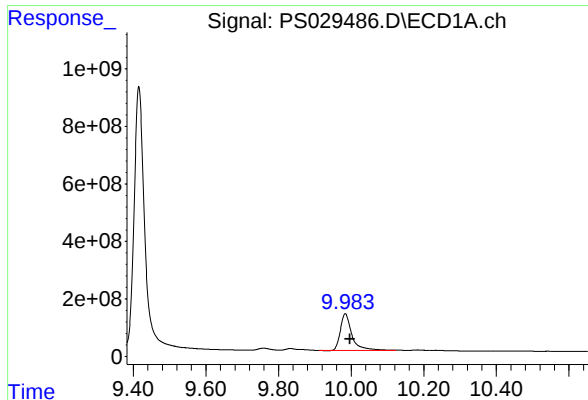
#12 2,4,5-T

R.T.: 9.415 min
Delta R.T.: -0.012 min
Response: 18623715629
Conc: 747.70 ng/ml



#12 2,4,5-T

R.T.: 10.099 min
Delta R.T.: -0.021 min
Response: 5888415118
Conc: 755.46 ng/ml



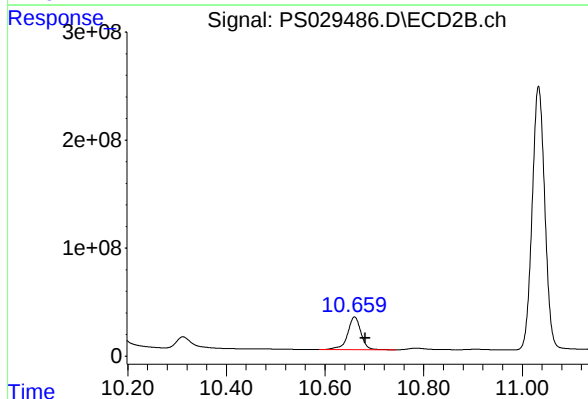
#13 2,4-DB

R.T.: 9.984 min
Delta R.T.: -0.013 min
Response: 2842362456
Conc: 777.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

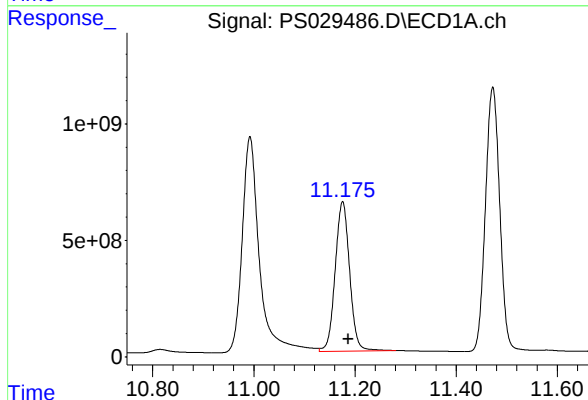
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



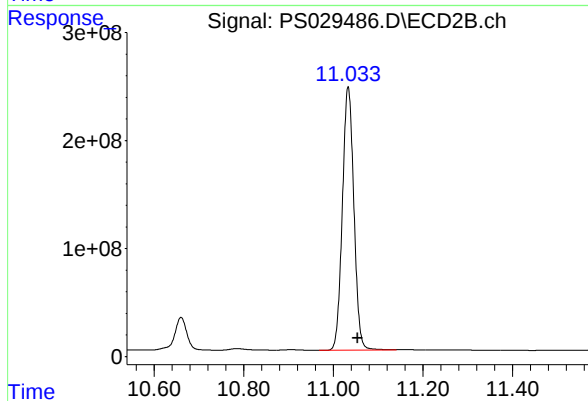
#13 2,4-DB

R.T.: 10.660 min
Delta R.T.: -0.021 min
Response: 566832406
Conc: 753.27 ng/ml



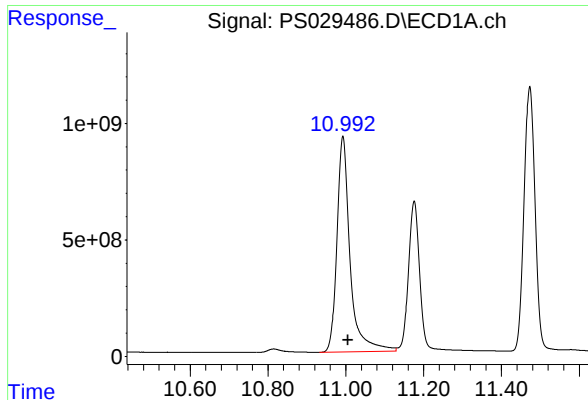
#14 DINOSEB

R.T.: 11.176 min
Delta R.T.: -0.011 min
Response: 12738141524
Conc: 731.78 ng/ml



#14 DINOSEB

R.T.: 11.033 min
Delta R.T.: -0.021 min
Response: 4347147823
Conc: 753.17 ng/ml



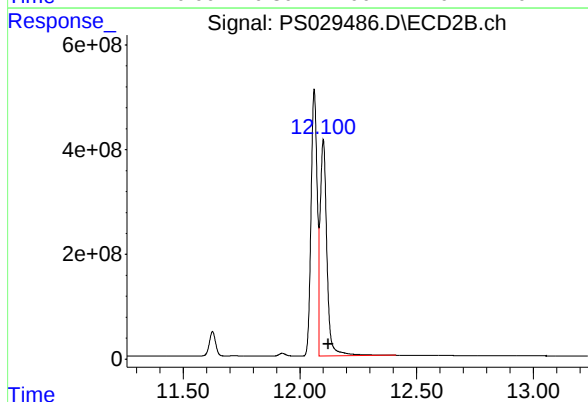
#15 Picloram

R.T.: 10.992 min
Delta R.T.: -0.013 min
Response: 21797376397
Conc: 723.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

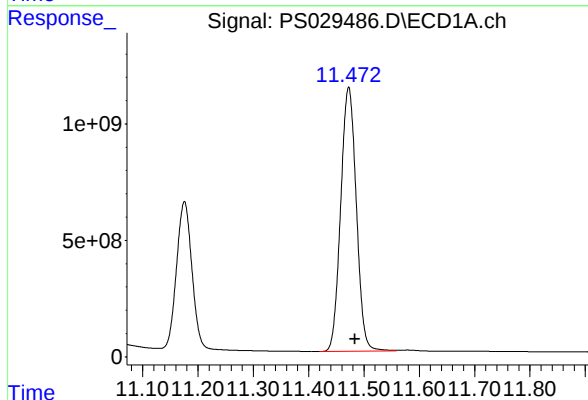
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



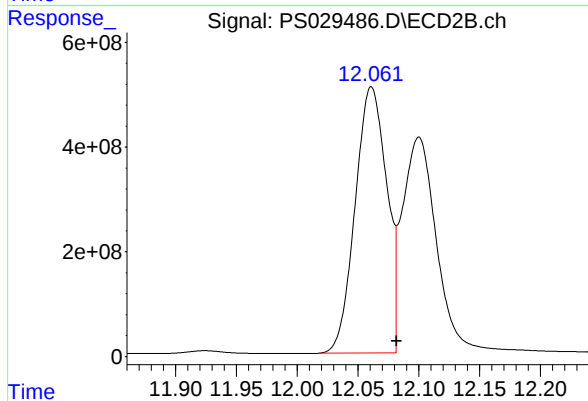
#15 Picloram

R.T.: 12.100 min
Delta R.T.: -0.022 min
Response: 8278850699
Conc: 729.48 ng/ml



#16 DCPA

R.T.: 11.472 min
Delta R.T.: -0.011 min
Response: 22241221130
Conc: 742.47 ng/ml m



#16 DCPA

R.T.: 12.061 min
Delta R.T.: -0.021 min
Response: 9210486564
Conc: 770.35 ng/ml m



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 04/03/2025 Initial Calibration Date(s): 04/02/2025 04/02/2025

Continuing Calib Time: 09:14 Initial Calibration Time(s): 17:32 20:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.14	7.14	7.04	7.24	0.00
MCP	7.32	7.32	7.22	7.42	0.00
2,4-DCAA	6.96	6.96	6.86	7.06	0.00
Dalapon	2.46	2.46	2.36	2.56	0.00
MCPA	7.46	7.46	7.36	7.56	0.00
DICHLORPROP	7.82	7.82	7.72	7.92	0.00
2,4-D	8.04	8.04	7.94	8.14	0.00
2,4,5-TP(Silvex)	8.89	8.89	8.79	8.99	0.00
2,4,5-T	9.17	9.17	9.07	9.27	0.00
2,4-DB	9.73	9.73	9.63	9.83	0.00
Dinoseb	10.89	10.90	10.80	11.00	0.01
Pentachlorophenol	8.32	8.32	8.22	8.42	0.00
4-Nitrophenol	6.75	6.75	6.65	6.85	0.00
PICLORAM	10.71	10.71	10.61	10.81	0.00
DCPA	11.20	11.20	11.10	11.30	0.01
3,5-DICHLOROBENZ	6.17	6.17	6.07	6.27	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 04/03/2025 Initial Calibration Date(s): 04/02/2025 04/02/2025

Continuing Calib Time: 09:14 Initial Calibration Time(s): 17:32 20:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.66	7.66	7.56	7.76	0.00
MCPD	7.77	7.77	7.67	7.87	0.00
2,4-DCAA	7.48	7.48	7.38	7.58	0.01
Dalapon	2.53	2.53	2.43	2.63	0.00
MCPA	8.00	8.00	7.90	8.10	0.00
DICHLORPROP	8.36	8.36	8.26	8.46	0.00
2,4-D	8.67	8.67	8.57	8.77	0.00
2,4,5-TP(Silvex)	9.55	9.55	9.45	9.65	0.00
2,4,5-T	9.96	9.96	9.86	10.06	0.00
2,4-DB	10.51	10.51	10.41	10.61	0.00
Dinoseb	10.89	10.89	10.79	10.99	0.00
Pentachlorophenol	9.17	9.17	9.07	9.27	0.00
4-Nitrophenol	7.01	7.01	6.91	7.11	0.00
PICLORAM	11.93	11.93	11.83	12.03	0.00
DCPA	11.91	11.91	11.81	12.01	0.00
3,5-DICHLOROBENZ	6.47	6.47	6.37	6.57	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 04/02/2025 04/02/2025

Client Sample No.: CCAL03 Date Analyzed: 04/03/2025

Lab Sample No.: HSTDCCC750 Data File : PS029666.D Time Analyzed: 09:14

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.170	9.070	9.270	774.050	712.500	8.6
2,4,5-TP(Silvex)	8.887	8.788	8.988	762.570	712.500	7.0
2,4-D	8.042	7.942	8.142	728.010	705.000	3.3
2,4-DB	9.729	9.629	9.829	803.750	712.500	12.8
2,4-DCAA	6.963	6.863	7.063	798.380	750.000	6.5
3,5-DICHLOROBENZOIC ACID	6.165	6.065	6.265	743.700	697.500	6.6
4-Nitrophenol	6.753	6.653	6.853	730.900	682.500	7.1
Dalapon	2.463	2.363	2.563	726.980	682.500	6.5
DCPA	11.195	11.095	11.295	778.700	720.000	8.2
DICAMBA	7.140	7.040	7.240	769.650	705.000	9.2
DICHLORPROP	7.821	7.722	7.922	722.600	705.000	2.5
Dinoseb	10.894	10.795	10.995	760.060	705.000	7.8
MCPA	7.461	7.361	7.561	78.240	69.750	12.2
MCPP	7.318	7.218	7.418	79.900	70.500	13.3
Pentachlorophenol	8.321	8.221	8.421	742.600	712.500	4.2
PICLORAM	10.712	10.613	10.813	755.590	712.500	6.0



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/02/2025 04/02/2025

Client Sample No.: CCAL03 Date Analyzed: 04/03/2025

Lab Sample No.: HSTDCCC750 Data File : PS029666.D Time Analyzed: 09:14

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.957	9.857	10.057	757.930	712.500	6.4
2,4,5-TP(Silvex)	9.552	9.451	9.651	752.440	712.500	5.6
2,4-D	8.672	8.571	8.771	710.440	705.000	0.8
2,4-DB	10.514	10.414	10.614	747.720	712.500	4.9
2,4-DCAA	7.475	7.375	7.575	779.810	750.000	4.0
3,5-DICHLOROBENZOIC ACID	6.470	6.370	6.570	726.490	697.500	4.2
4-Nitrophenol	7.010	6.909	7.109	704.060	682.500	3.2
Dalapon	2.534	2.433	2.633	701.120	682.500	2.7
DCPA	11.912	11.813	12.013	777.650	720.000	8.0
DICAMBA	7.662	7.562	7.762	748.830	705.000	6.2
DICHLORPROP	8.357	8.256	8.456	707.420	705.000	0.3
Dinoseb	10.887	10.787	10.987	739.060	705.000	4.8
MCPA	7.999	7.899	8.099	74.650	69.750	7.0
MCPP	7.768	7.667	7.867	79.380	70.500	12.6
Pentachlorophenol	9.174	9.073	9.273	758.400	712.500	6.4
PICLORAM	11.928	11.830	12.030	744.400	712.500	4.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
 Data File : PS029666.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Apr 2025 09:14
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/03/2025
 Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 03 11:43:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 23:52:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	6.963	7.475	1627.8E6	531.5E6	798.379	779.811
Target Compounds							
1) T	Dalapon	2.463	2.534	2466.2E6	1113.1E6	726.980	701.116
2) T	3,5-DICHL...	6.165	6.470	2236.9E6	701.5E6	743.698	726.490
3) T	4-Nitroph...	6.753	7.010	1026.8E6	499.2E6	730.903	704.063
5) T	DICAMBA	7.140	7.662	6405.0E6	2765.7E6	769.650	748.833
6) T	MCPD	7.318	7.768	433.0E6	134.0E6	79.896	79.377
7) T	MCPA	7.461	7.999	568.7E6	169.8E6	78.236	74.651
8) T	DICHLORPROP	7.821	8.357	1589.3E6	683.5E6	722.596	707.416
9) T	2,4-D	8.042	8.672	1754.2E6	766.2E6	728.011	710.441
10) T	Pentachlo...	8.321	9.174	22578.8E6	13596.3E6	742.602	758.397
11) T	2,4,5-TP ...	8.887	9.552	8857.5E6	5427.3E6	762.570	752.440
12) T	2,4,5-T	9.170	9.957	8905.0E6	5080.3E6	774.049	757.928
13) T	2,4-DB	9.729	10.514	1460.2E6	554.8E6	803.752	747.718
14) T	DINOSEB	10.894	10.887	6416.5E6	3778.6E6	760.061	739.056
15) T	Picloram	10.712	11.928	11712.0E6	8802.1E6	755.590	744.402m
16) T	DCPA	11.195	11.912	10875.4E6	6882.7E6	778.700	777.647m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029666.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 09:14
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

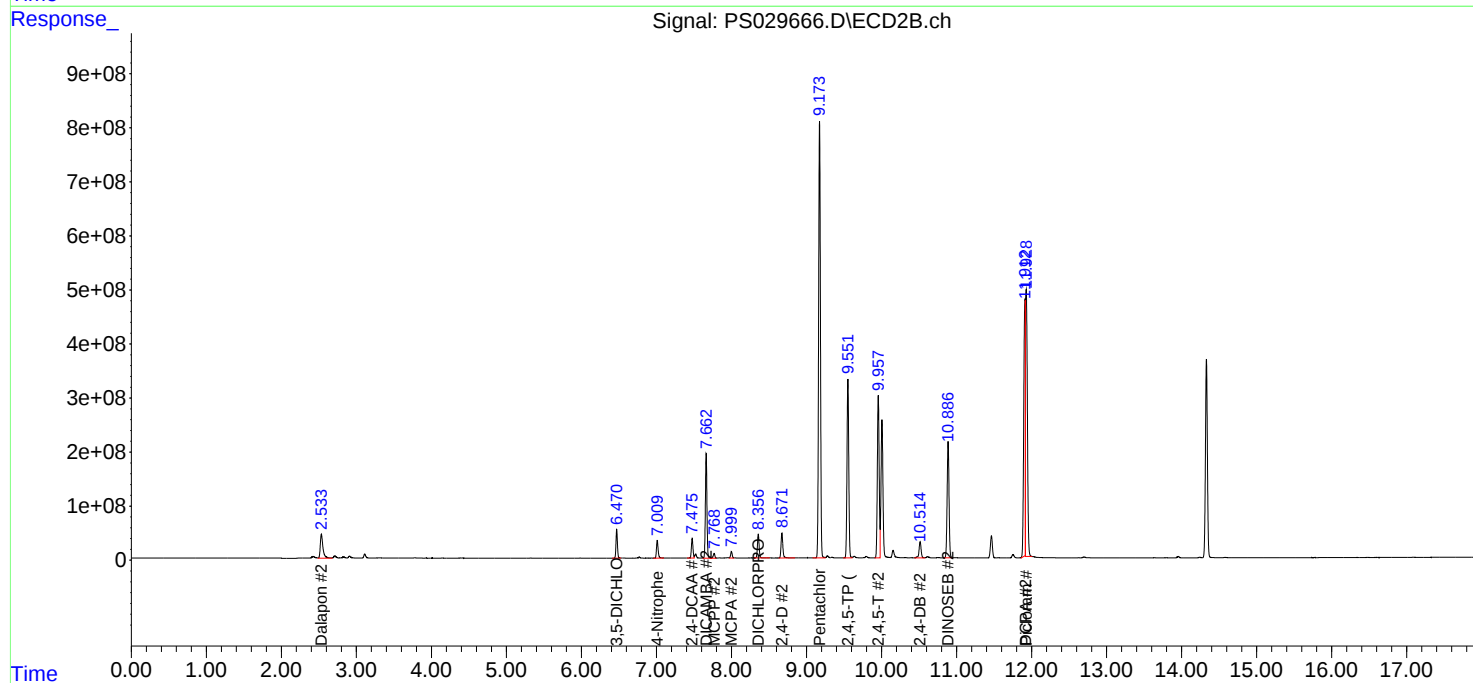
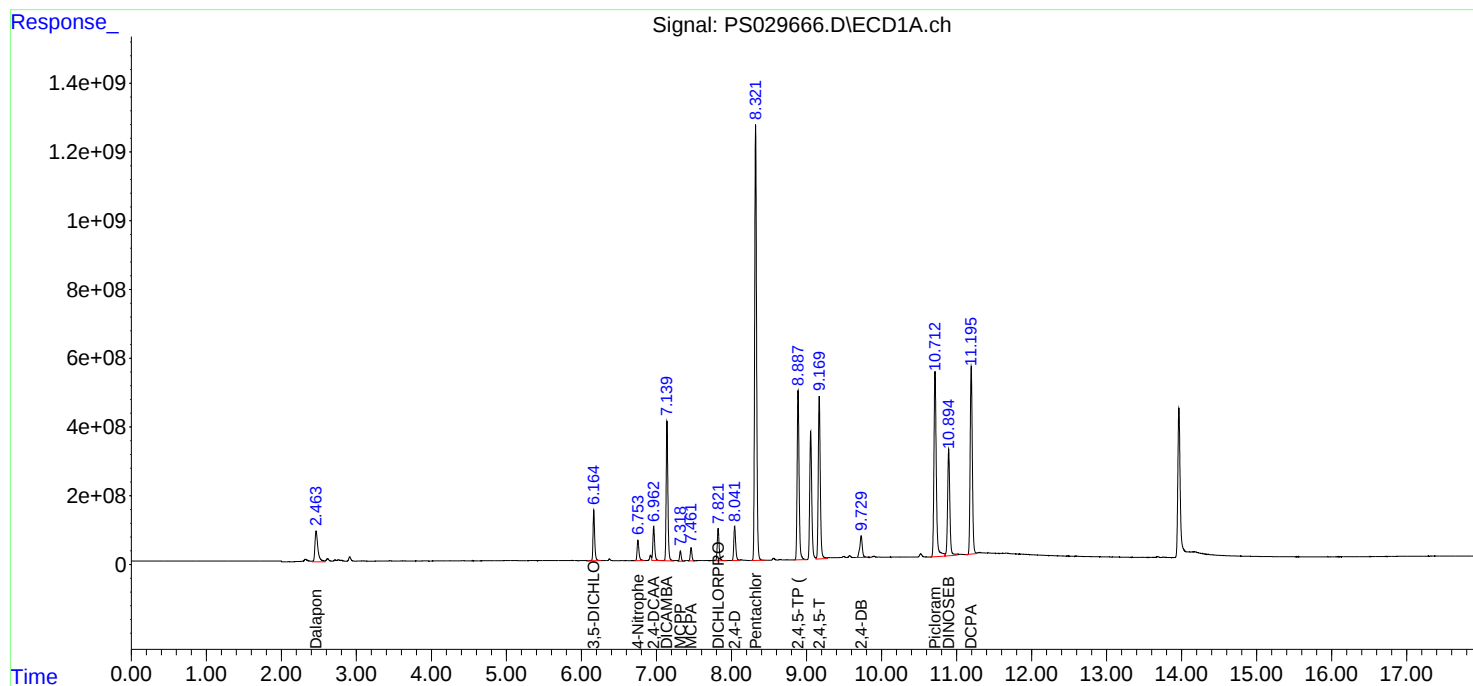
APPROVED

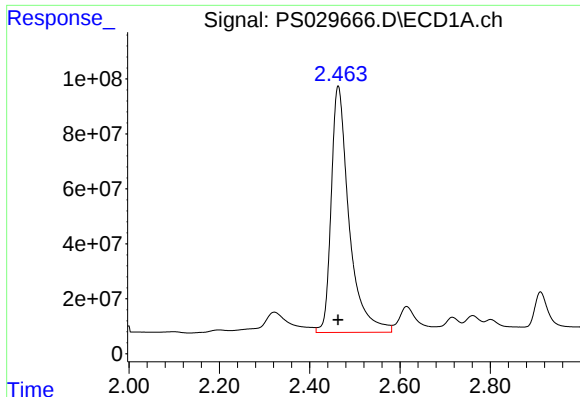
Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 03 11:43:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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





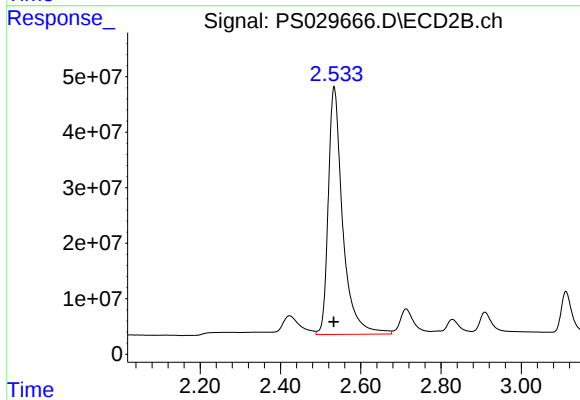
#1 Dalapon

R.T.: 2.463 min
Delta R.T.: 0.000 min
Response: 2466204249
Conc: 726.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

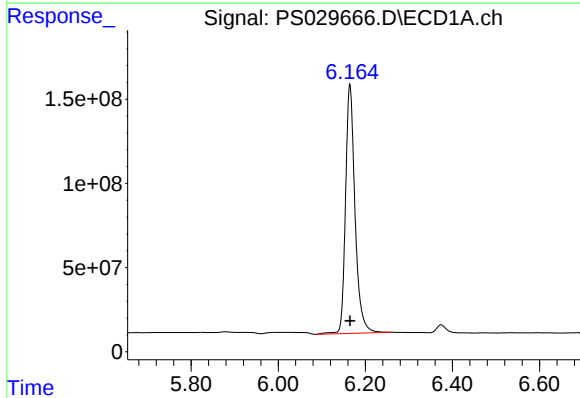
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



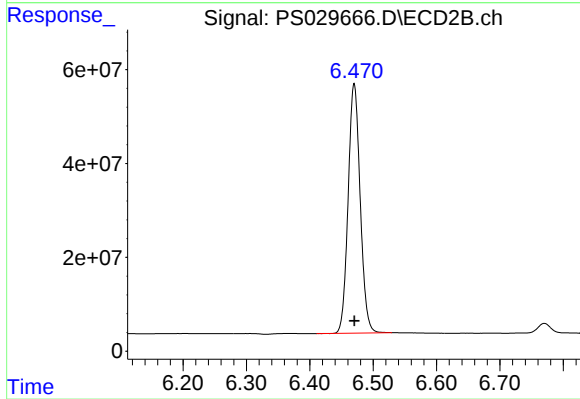
#1 Dalapon

R.T.: 2.534 min
Delta R.T.: 0.000 min
Response: 1113088964
Conc: 701.12 ng/ml



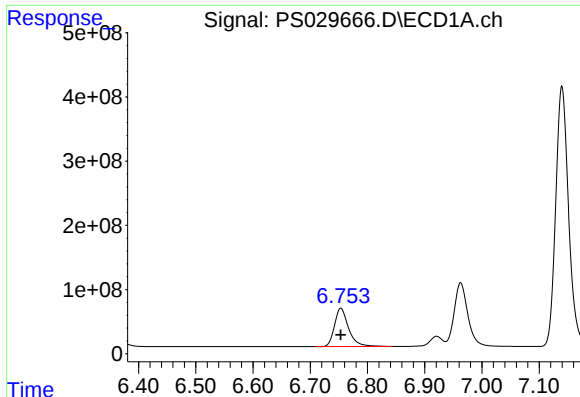
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 2236864823
Conc: 743.70 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.470 min
Delta R.T.: 0.000 min
Response: 701467293
Conc: 726.49 ng/ml



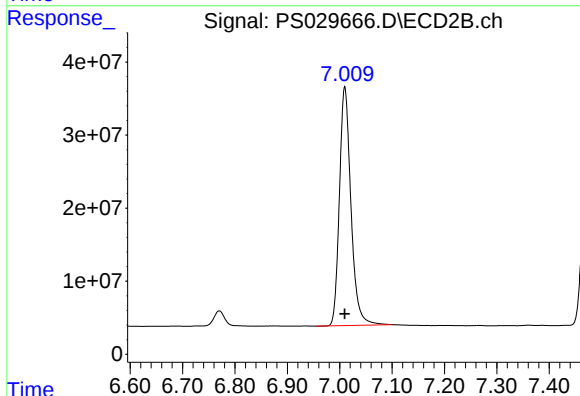
#3 4-Nitrophenol

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 1026771714
Conc: 730.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

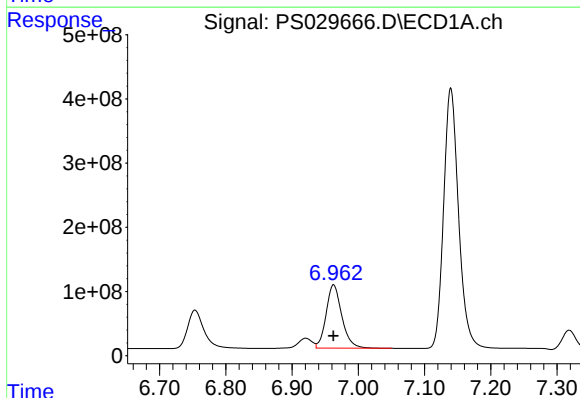
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



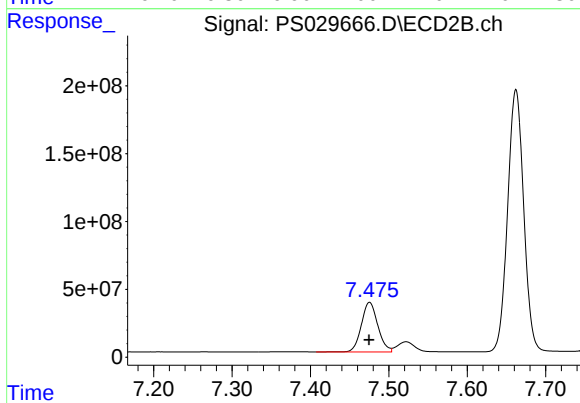
#3 4-Nitrophenol

R.T.: 7.010 min
Delta R.T.: 0.000 min
Response: 499179565
Conc: 704.06 ng/ml



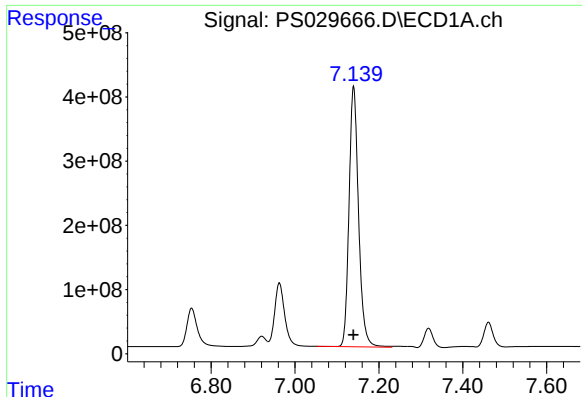
#4 2,4-DCAA

R.T.: 6.963 min
Delta R.T.: 0.000 min
Response: 1627759938
Conc: 798.38 ng/ml



#4 2,4-DCAA

R.T.: 7.475 min
Delta R.T.: 0.000 min
Response: 531451222
Conc: 779.81 ng/ml



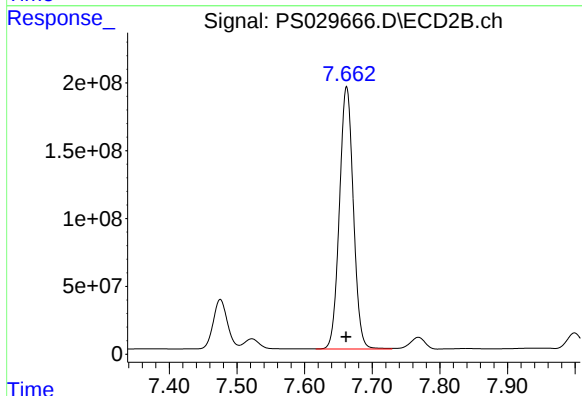
#5 DICAMBA

R.T.: 7.140 min
Delta R.T.: 0.000 min
Response: 6404979645
Conc: 769.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

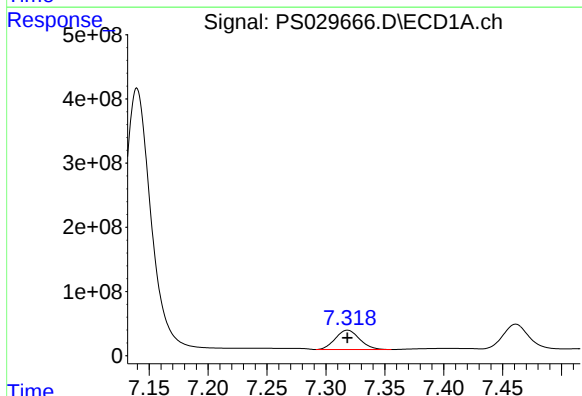
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



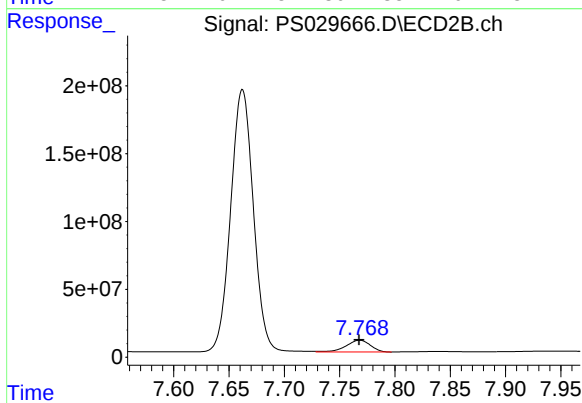
#5 DICAMBA

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 2765718596
Conc: 748.83 ng/ml



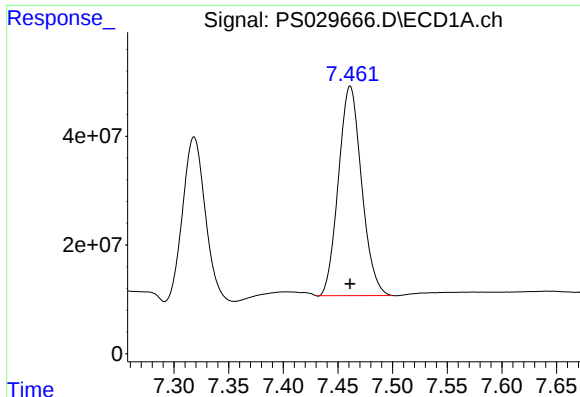
#6 MCPP

R.T.: 7.318 min
Delta R.T.: 0.000 min
Response: 433026405
Conc: 79.90 ug/ml



#6 MCPP

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 134026884
Conc: 79.38 ug/ml



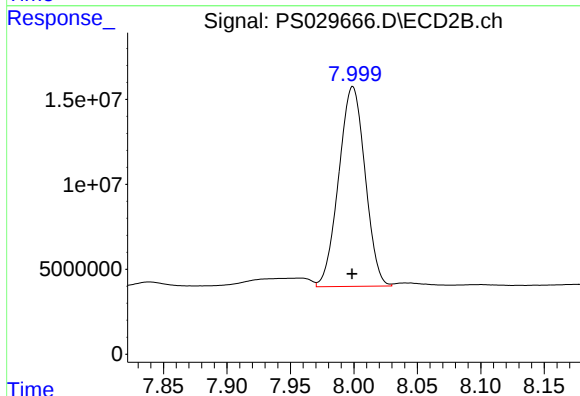
#7 MCPA

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 568699153
Conc: 78.24 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

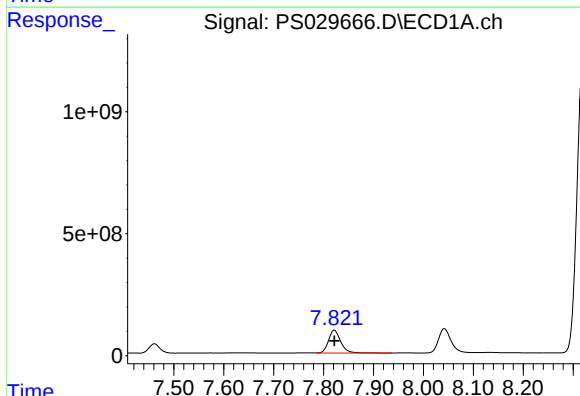
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



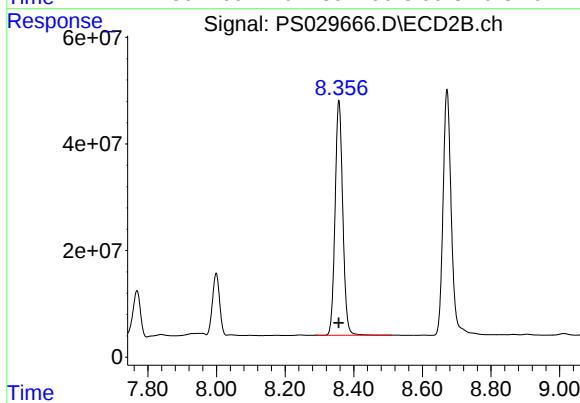
#7 MCPA

R.T.: 7.999 min
Delta R.T.: 0.000 min
Response: 169849648
Conc: 74.65 ug/ml



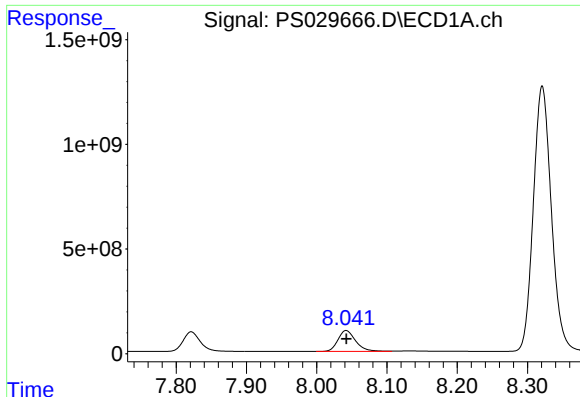
#8 DICHLORPROP

R.T.: 7.821 min
Delta R.T.: 0.000 min
Response: 1589305572
Conc: 722.60 ng/ml



#8 DICHLORPROP

R.T.: 8.357 min
Delta R.T.: 0.000 min
Response: 683471913
Conc: 707.42 ng/ml



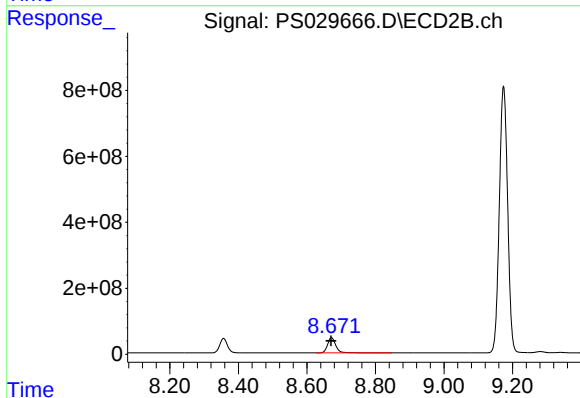
#9 2,4-D

R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 1754208120
Conc: 728.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

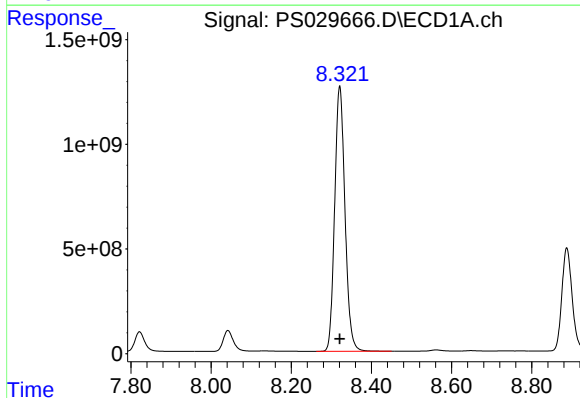
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



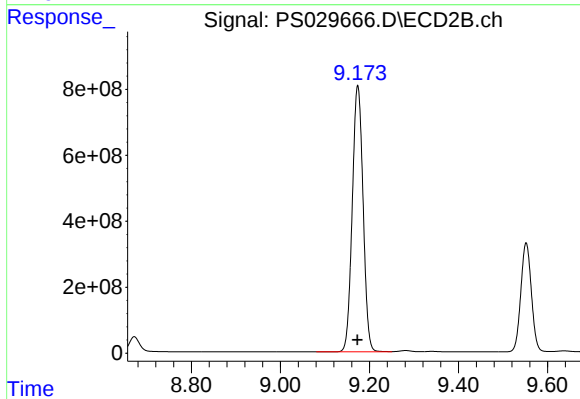
#9 2,4-D

R.T.: 8.672 min
Delta R.T.: 0.000 min
Response: 766185371
Conc: 710.44 ng/ml



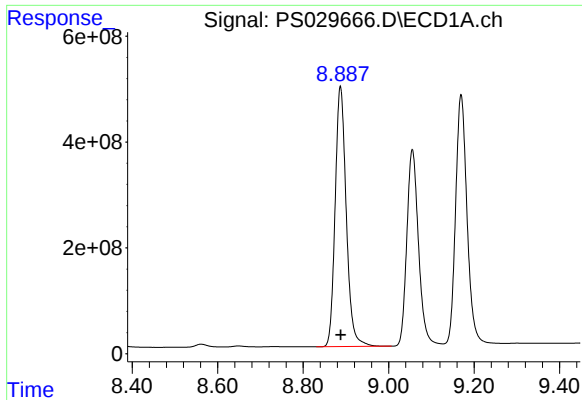
#10 Pentachlorophenol

R.T.: 8.321 min
Delta R.T.: 0.000 min
Response: 22578816972
Conc: 742.60 ng/ml



#10 Pentachlorophenol

R.T.: 9.174 min
Delta R.T.: 0.000 min
Response: 13596331540
Conc: 758.40 ng/ml



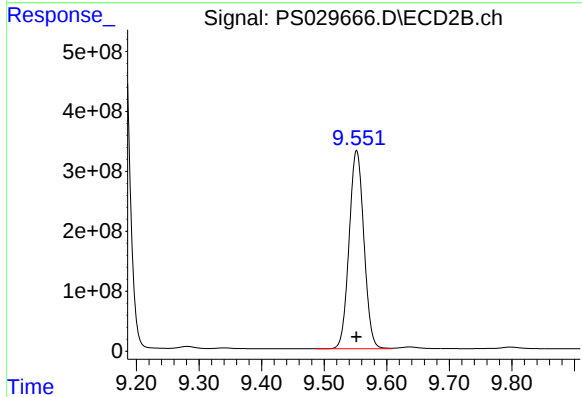
#11 2,4,5-TP (SILVEX)

R.T.: 8.887 min
Delta R.T.: 0.000 min
Response: 8857515453
Conc: 762.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

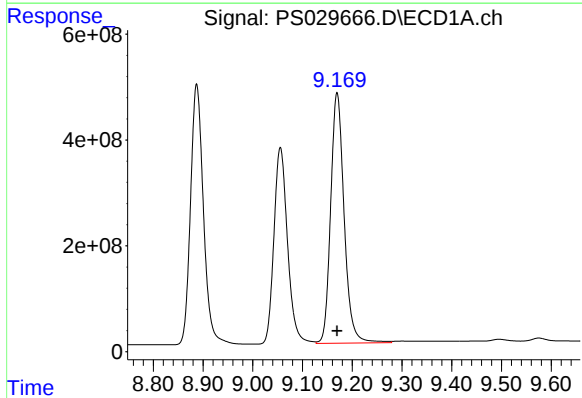
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



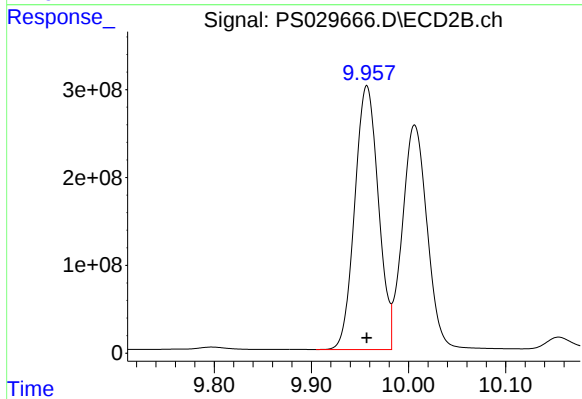
#11 2,4,5-TP (SILVEX)

R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 5427320836
Conc: 752.44 ng/ml



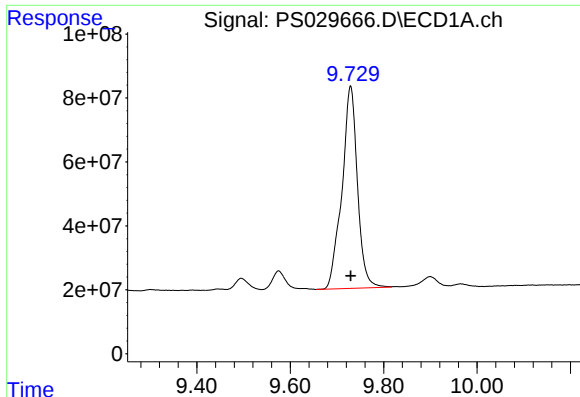
#12 2,4,5-T

R.T.: 9.170 min
Delta R.T.: 0.000 min
Response: 8904992578
Conc: 774.05 ng/ml



#12 2,4,5-T

R.T.: 9.957 min
Delta R.T.: 0.000 min
Response: 5080271767
Conc: 757.93 ng/ml



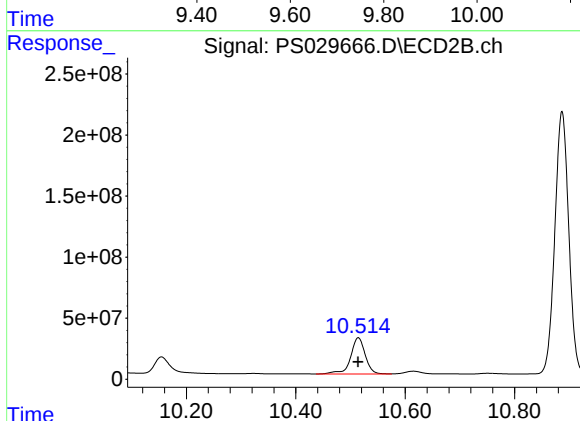
#13 2,4-DB

R.T.: 9.729 min
Delta R.T.: 0.000 min
Response: 1460212278
Conc: 803.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

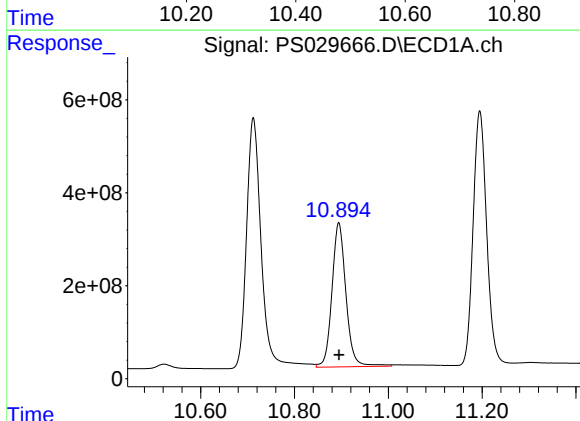
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/03/2025
Supervised By :mohammad ahmed 04/05/2025



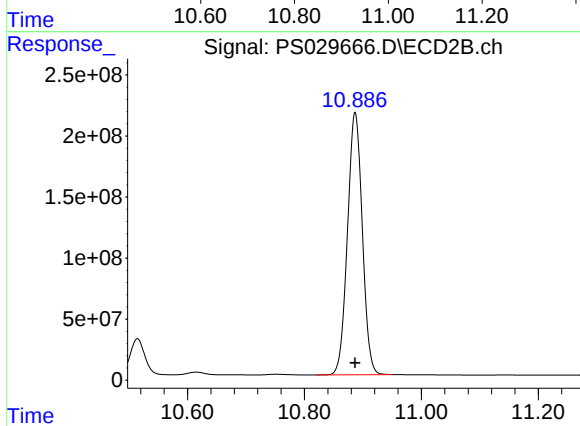
#13 2,4-DB

R.T.: 10.514 min
Delta R.T.: 0.000 min
Response: 554787982
Conc: 747.72 ng/ml



#14 DINOSEB

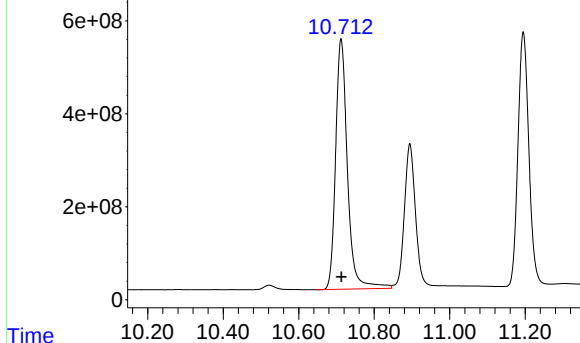
R.T.: 10.894 min
Delta R.T.: 0.000 min
Response: 6416467784
Conc: 760.06 ng/ml



#14 DINOSEB

R.T.: 10.887 min
Delta R.T.: 0.000 min
Response: 3778646345
Conc: 739.06 ng/ml

Response_ Signal: PS029666.D\ECD1A.ch



#15 Picloram

R.T.: 10.712 min
Delta R.T.: 0.000 min
Response: 11711951689
Conc: 755.59 ng/ml

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

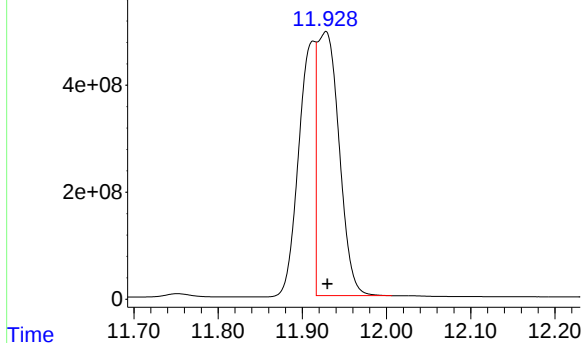
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/03/2025

Supervised By :mohammad ahmed 04/05/2025

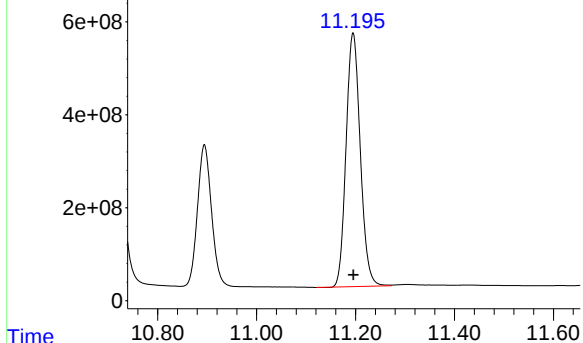
Response_ Signal: PS029666.D\ECD2B.ch



#15 Picloram

R.T.: 11.928 min
Delta R.T.: -0.002 min
Response: 8802128928
Conc: 744.40 ng/ml m

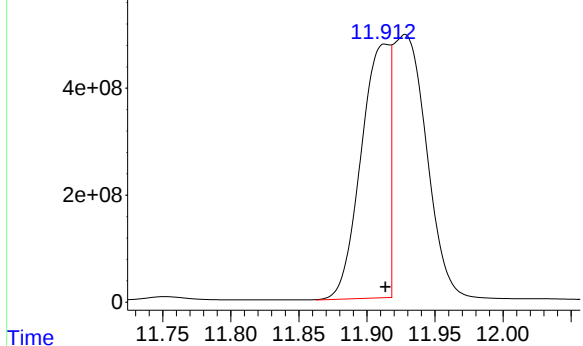
Response_ Signal: PS029666.D\ECD1A.ch



#16 DCPA

R.T.: 11.195 min
Delta R.T.: 0.000 min
Response: 10875404793
Conc: 778.70 ng/ml

Response_ Signal: PS029666.D\ECD2B.ch



#16 DCPA

R.T.: 11.912 min
Delta R.T.: -0.001 min
Response: 6882689820
Conc: 777.65 ng/ml m



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 04/03/2025 Initial Calibration Date(s): 04/02/2025 04/02/2025

Continuing Calib Time: 12:32 Initial Calibration Time(s): 17:32 20:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.14	7.14	7.04	7.24	0.00
MCP	7.32	7.32	7.22	7.42	0.00
2,4-DCAA	6.96	6.96	6.86	7.06	0.00
Dalapon	2.46	2.46	2.36	2.56	0.00
MCPA	7.46	7.46	7.36	7.56	0.00
DICHLORPROP	7.82	7.82	7.72	7.92	0.00
2,4-D	8.04	8.04	7.94	8.14	0.00
2,4,5-TP(Silvex)	8.89	8.89	8.79	8.99	0.00
2,4,5-T	9.17	9.17	9.07	9.27	0.00
2,4-DB	9.73	9.73	9.63	9.83	0.00
Dinoseb	10.89	10.90	10.80	11.00	0.01
Pentachlorophenol	8.32	8.32	8.22	8.42	0.00
4-Nitrophenol	6.75	6.75	6.65	6.85	0.00
PICLORAM	10.71	10.71	10.61	10.81	0.00
DCPA	11.19	11.20	11.10	11.30	0.01
3,5-DICHLOROBENZ	6.16	6.17	6.07	6.27	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 04/03/2025 Initial Calibration Date(s): 04/02/2025 04/02/2025

Continuing Calib Time: 12:32 Initial Calibration Time(s): 17:32 20:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.66	7.66	7.56	7.76	0.00
MCPD	7.77	7.77	7.67	7.87	0.00
2,4-DCAA	7.48	7.48	7.38	7.58	0.01
Dalapon	2.53	2.53	2.43	2.63	0.00
MCPA	8.00	8.00	7.90	8.10	0.00
DICHLORPROP	8.36	8.36	8.26	8.46	0.00
2,4-D	8.67	8.67	8.57	8.77	0.00
2,4,5-TP(Silvex)	9.55	9.55	9.45	9.65	0.00
2,4,5-T	9.96	9.96	9.86	10.06	0.00
2,4-DB	10.51	10.51	10.41	10.61	0.00
Dinoseb	10.89	10.89	10.79	10.99	0.00
Pentachlorophenol	9.17	9.17	9.07	9.27	0.00
4-Nitrophenol	7.01	7.01	6.91	7.11	0.00
PICLORAM	11.93	11.93	11.83	12.03	0.00
DCPA	11.91	11.91	11.81	12.01	0.00
3,5-DICHLOROBENZ	6.47	6.47	6.37	6.57	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 04/02/2025 04/02/2025

Client Sample No.: CCAL04 Date Analyzed: 04/03/2025

Lab Sample No.: HSTDCCC750 Data File : PS029673.D Time Analyzed: 12:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.168	9.070	9.270	779.490	712.500	9.4
2,4,5-TP(Silvex)	8.886	8.788	8.988	768.730	712.500	7.9
2,4-D	8.041	7.942	8.142	733.210	705.000	4.0
2,4-DB	9.728	9.629	9.829	806.090	712.500	13.1
2,4-DCAA	6.962	6.863	7.063	802.670	750.000	7.0
3,5-DICHLOROBENZOIC ACID	6.164	6.065	6.265	751.150	697.500	7.7
4-Nitrophenol	6.752	6.653	6.853	741.750	682.500	8.7
Dalapon	2.463	2.363	2.563	732.450	682.500	7.3
DCPA	11.194	11.095	11.295	785.100	720.000	9.0
DICAMBA	7.139	7.040	7.240	776.950	705.000	10.2
DICHLORPROP	7.820	7.722	7.922	728.610	705.000	3.3
Dinoseb	10.893	10.795	10.995	776.720	705.000	10.2
MCPA	7.460	7.361	7.561	78.760	69.750	12.9
MCPP	7.317	7.218	7.418	80.210	70.500	13.8
Pentachlorophenol	8.319	8.221	8.421	746.820	712.500	4.8
PICLORAM	10.711	10.613	10.813	753.380	712.500	5.7



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/02/2025 04/02/2025

Client Sample No.: CCAL04 Date Analyzed: 04/03/2025

Lab Sample No.: HSTDCCC750 Data File : PS029673.D Time Analyzed: 12:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.956	9.857	10.057	772.470	712.500	8.4
2,4,5-TP(Silvex)	9.551	9.451	9.651	766.290	712.500	7.5
2,4-D	8.671	8.571	8.771	723.340	705.000	2.6
2,4-DB	10.513	10.414	10.614	759.120	712.500	6.5
2,4-DCAA	7.475	7.375	7.575	795.550	750.000	6.1
3,5-DICHLOROBENZOIC ACID	6.470	6.370	6.570	737.310	697.500	5.7
4-Nitrophenol	7.009	6.909	7.109	717.780	682.500	5.2
Dalapon	2.533	2.433	2.633	703.500	682.500	3.1
DCPA	11.912	11.813	12.013	822.810	720.000	14.3
DICAMBA	7.662	7.562	7.762	764.890	705.000	8.5
DICHLORPROP	8.356	8.256	8.456	721.790	705.000	2.4
Dinoseb	10.886	10.787	10.987	748.210	705.000	6.1
MCPA	7.999	7.899	8.099	76.140	69.750	9.2
MCPP	7.768	7.667	7.867	79.070	70.500	12.2
Pentachlorophenol	9.173	9.073	9.273	773.310	712.500	8.5
PICLORAM	11.925	11.830	12.030	704.390	712.500	-1.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
 Data File : PS029673.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Apr 2025 12:32
 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: Apr 03 13:24:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 23:52:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	6.962	7.475	1636.5E6	542.2E6	802.673	795.551
Target Compounds							
1) T	Dalapon	2.463	2.533	2484.8E6	1116.9E6	732.449	703.496
2) T	3,5-DICHL...	6.164	6.470	2259.3E6	711.9E6	751.148	737.307
3) T	4-Nitroph...	6.752	7.009	1042.0E6	508.9E6	741.749	717.780
5) T	DICAMBA	7.139	7.662	6465.8E6	2825.0E6	776.953	764.890
6) T	MCPD	7.317	7.768	434.7E6	133.5E6	80.206	79.075
7) T	MCPA	7.460	7.999	572.5E6	173.2E6	78.761	76.145
8) T	DICHLORPROP	7.820	8.356	1602.5E6	697.4E6	728.609	721.791
9) T	2,4-D	8.041	8.671	1766.7E6	780.1E6	733.211	723.339
10) T	Pentachlo...	8.319	9.173	22707.0E6	13863.7E6	746.819	773.314
11) T	2,4,5-TP ...	8.886	9.551	8929.0E6	5527.2E6	768.727	766.292
12) T	2,4,5-T	9.168	9.956	8967.6E6	5177.7E6	779.493	772.468
13) T	2,4-DB	9.728	10.513	1464.5E6	563.2E6	806.087	759.122
14) T	DINOSEB	10.893	10.886	6557.1E6	3825.4E6	776.722	748.208
15) T	Picloram	10.711	11.925	11677.8E6	8329.0E6	753.384	704.387
16) T	DCPA	11.194	11.912	10964.7E6	7282.4E6	785.096	822.809

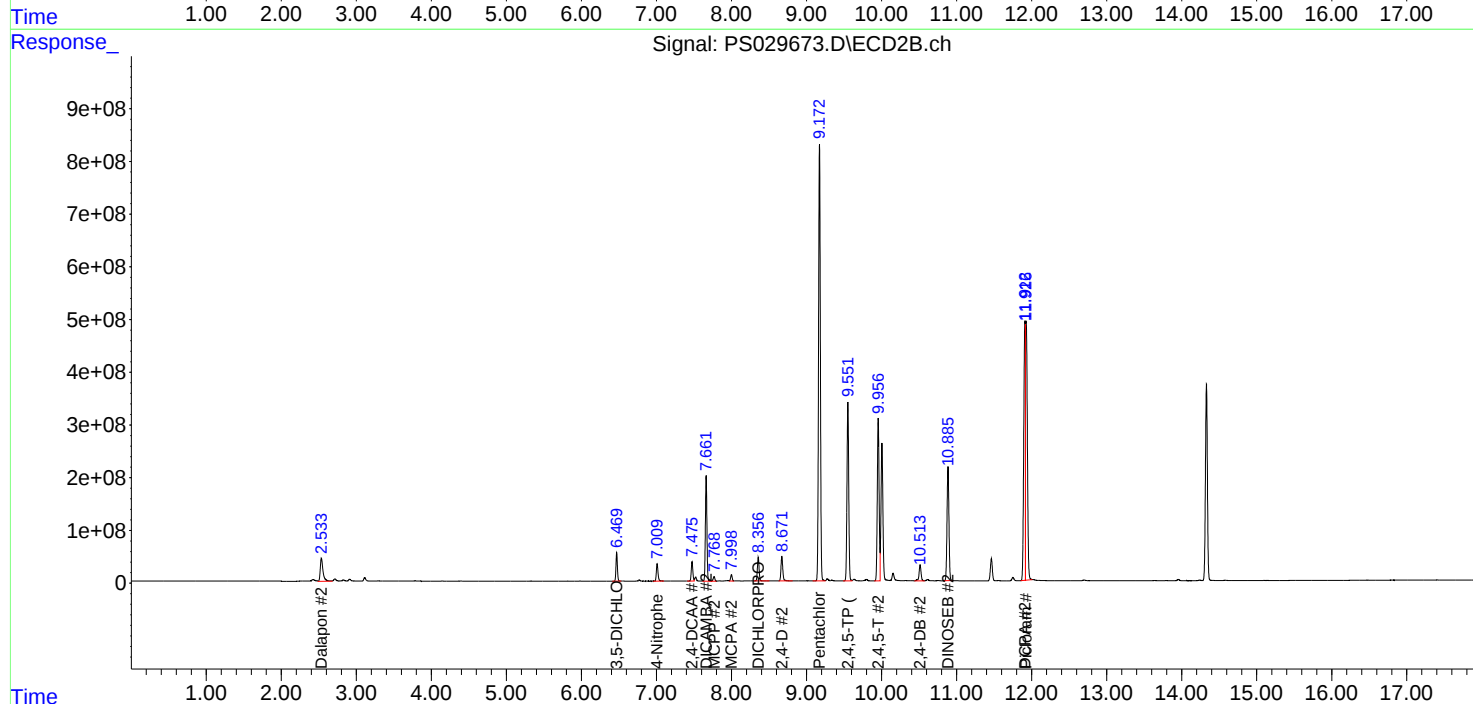
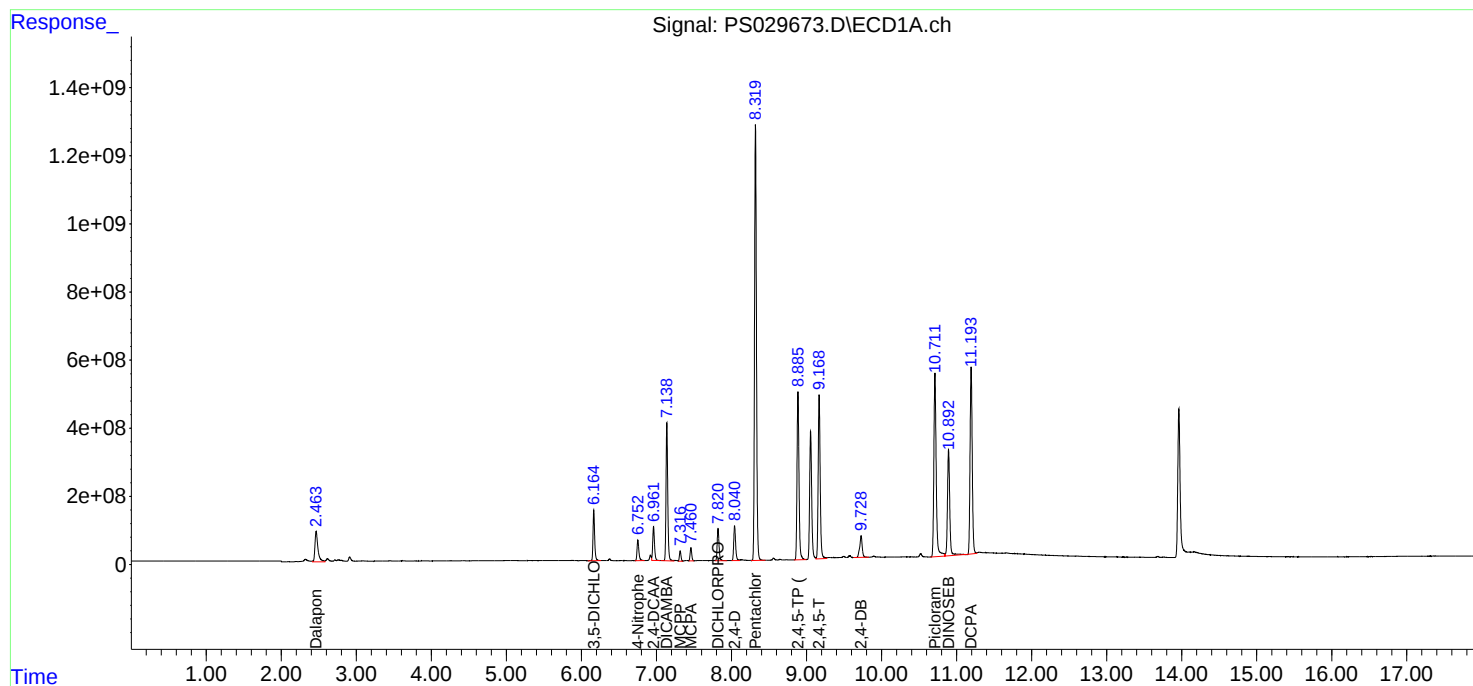
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

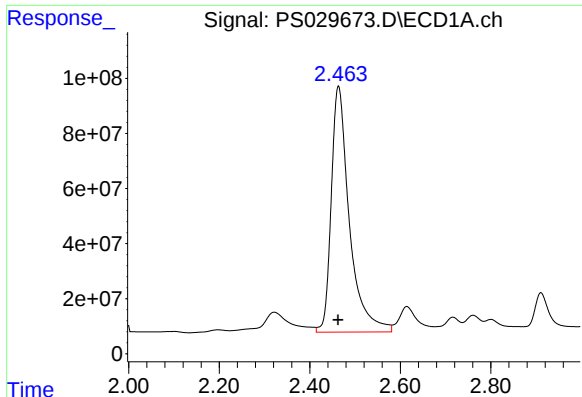
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029673.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 12:32
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 03 13:24:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

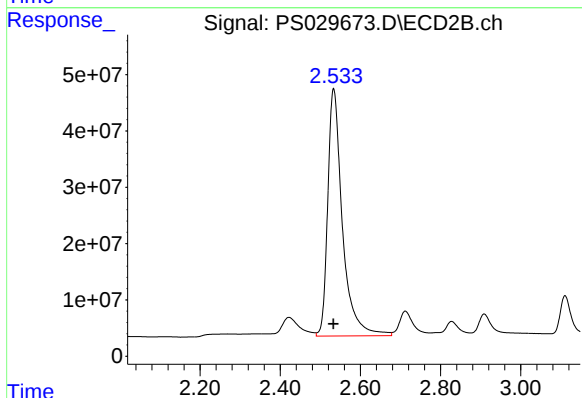




#1 Dalapon

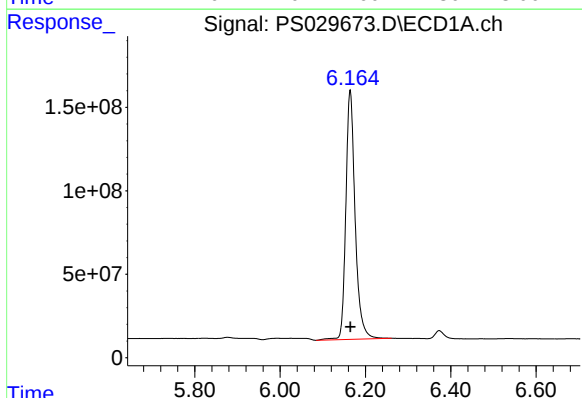
R.T.: 2.463 min
Delta R.T.: 0.000 min
Response: 2484756359
Conc: 732.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



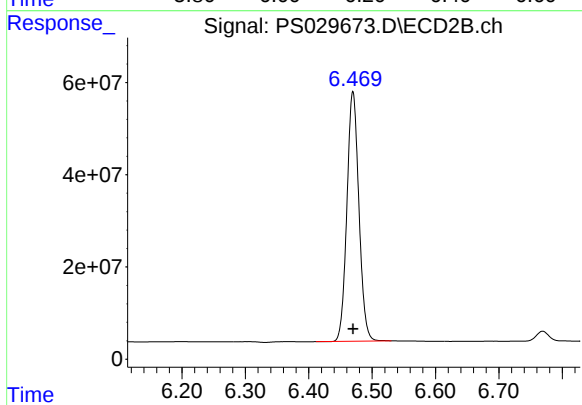
#1 Dalapon

R.T.: 2.533 min
Delta R.T.: 0.000 min
Response: 1116867458
Conc: 703.50 ng/ml



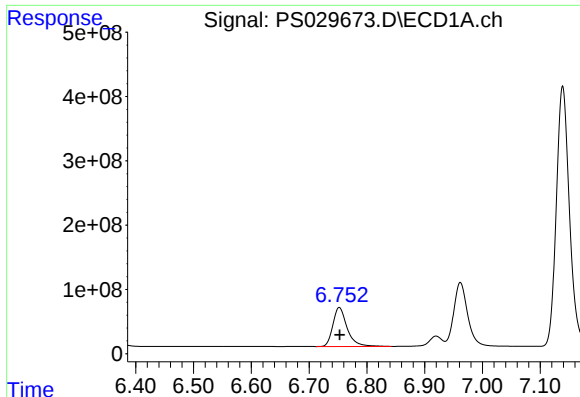
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.164 min
Delta R.T.: 0.000 min
Response: 2259273713
Conc: 751.15 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

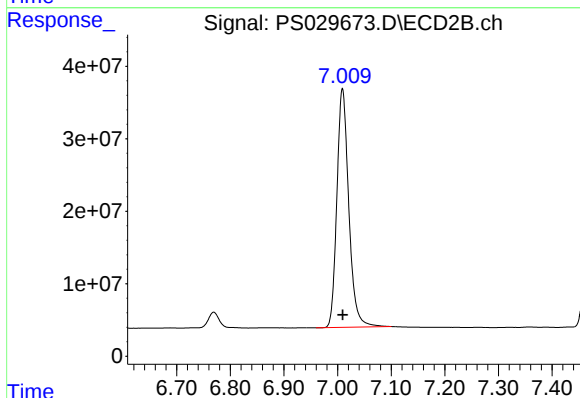
R.T.: 6.470 min
Delta R.T.: 0.000 min
Response: 711911649
Conc: 737.31 ng/ml



#3 4-Nitrophenol

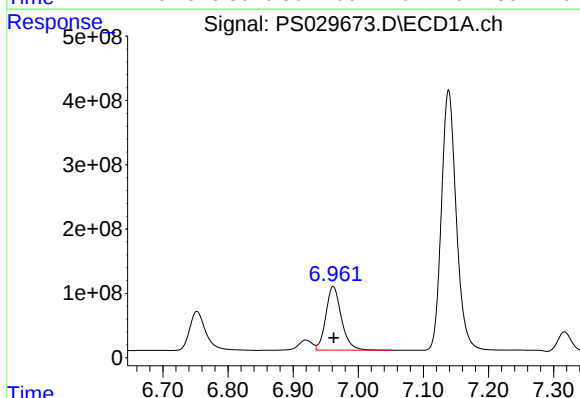
R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 1042008351
Conc: 741.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



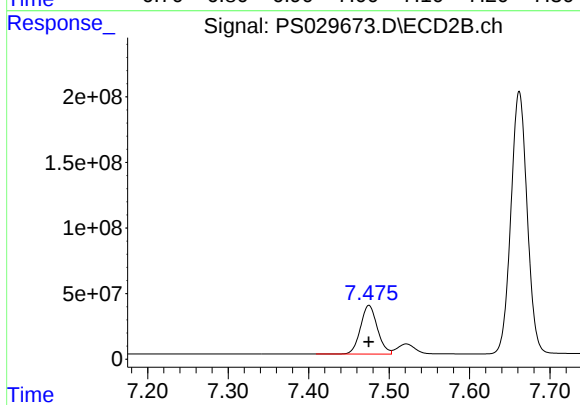
#3 4-Nitrophenol

R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 508904529
Conc: 717.78 ng/ml



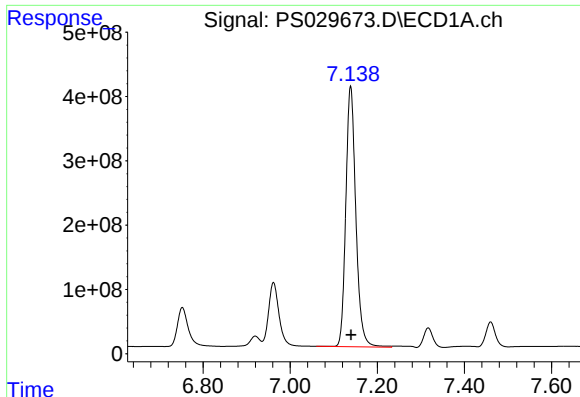
#4 2,4-DCAA

R.T.: 6.962 min
Delta R.T.: 0.000 min
Response: 1636514619
Conc: 802.67 ng/ml



#4 2,4-DCAA

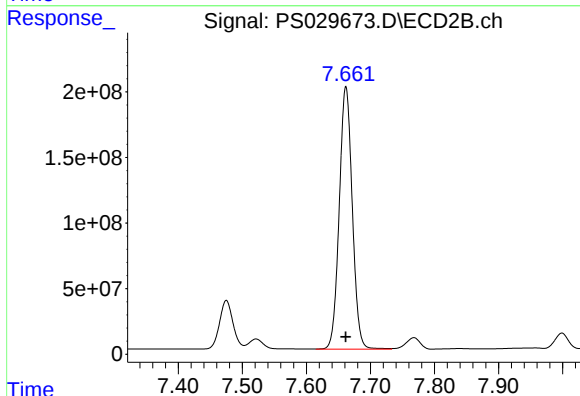
R.T.: 7.475 min
Delta R.T.: 0.000 min
Response: 542178422
Conc: 795.55 ng/ml



#5 DICAMBA

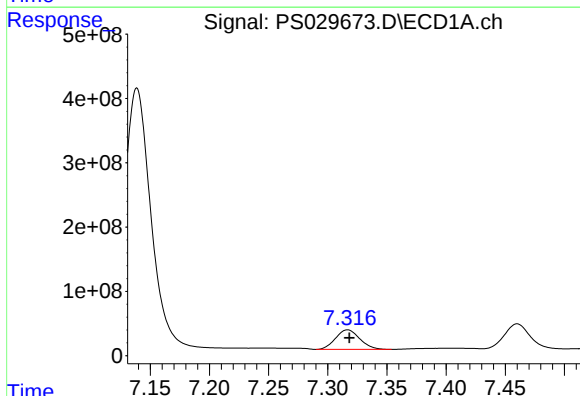
R.T.: 7.139 min
Delta R.T.: -0.001 min
Response: 6465759732
Conc: 776.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



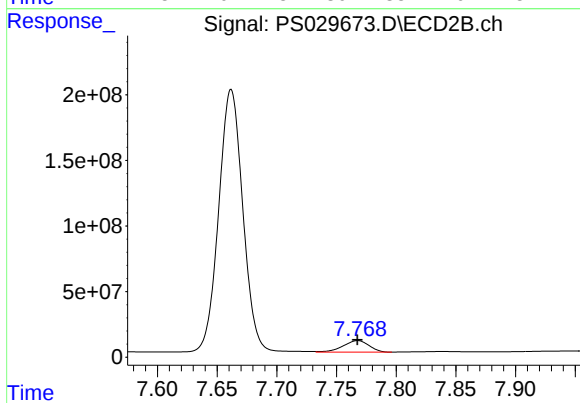
#5 DICAMBA

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 2825021943
Conc: 764.89 ng/ml



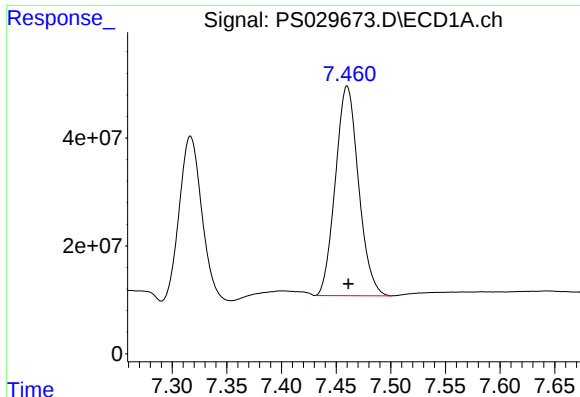
#6 MCP

R.T.: 7.317 min
Delta R.T.: -0.001 min
Response: 434706132
Conc: 80.21 ug/ml



#6 MCP

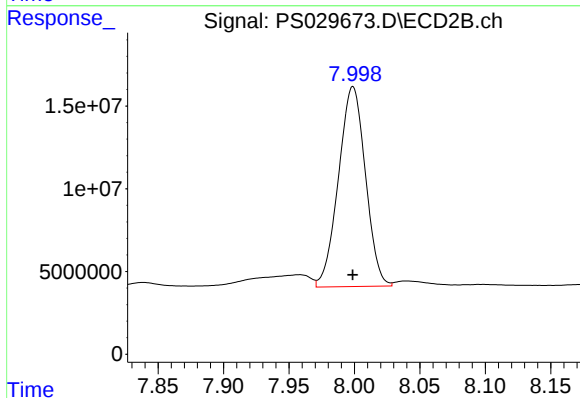
R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 133516210
Conc: 79.07 ug/ml



#7 MCPA

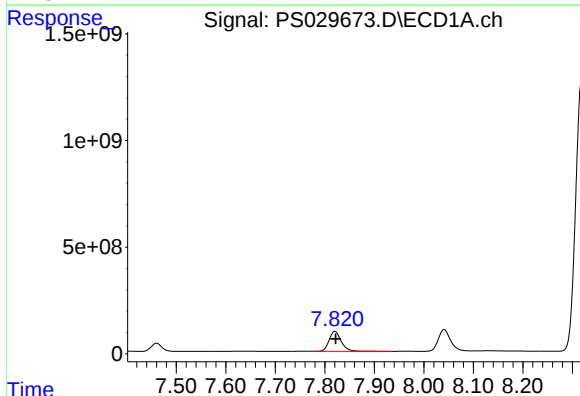
R.T.: 7.460 min
Delta R.T.: -0.001 min
Response: 572511698
Conc: 78.76 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



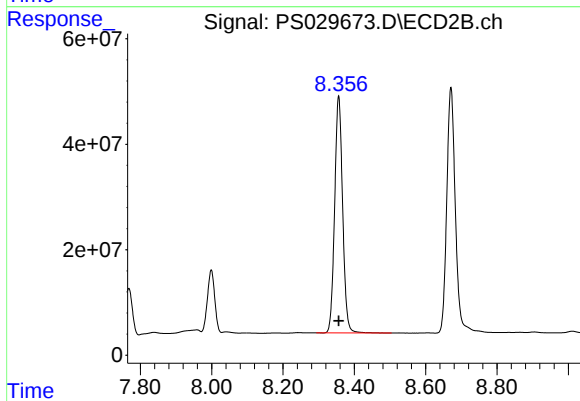
#7 MCPA

R.T.: 7.999 min
Delta R.T.: 0.000 min
Response: 173249226
Conc: 76.14 ug/ml



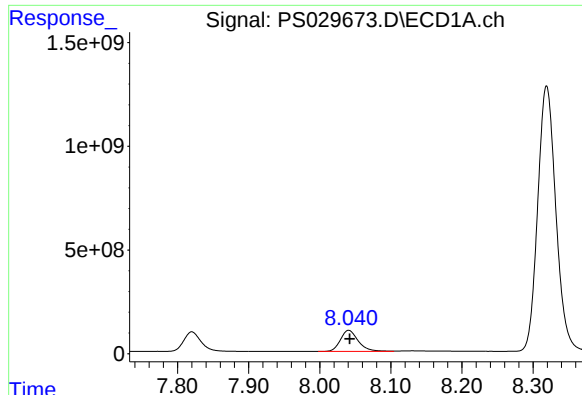
#8 DICHLORPROP

R.T.: 7.820 min
Delta R.T.: -0.002 min
Response: 1602529669
Conc: 728.61 ng/ml



#8 DICHLORPROP

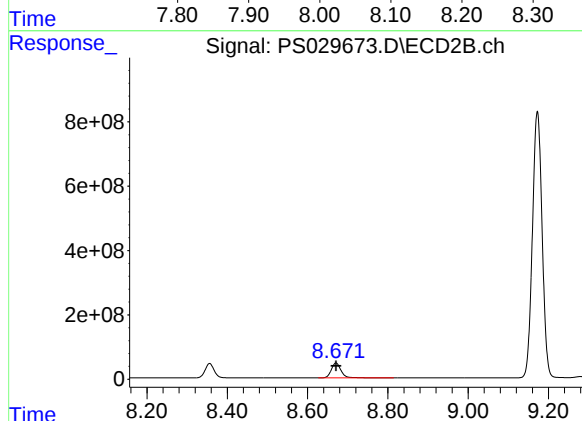
R.T.: 8.356 min
Delta R.T.: 0.000 min
Response: 697360542
Conc: 721.79 ng/ml



#9 2,4-D

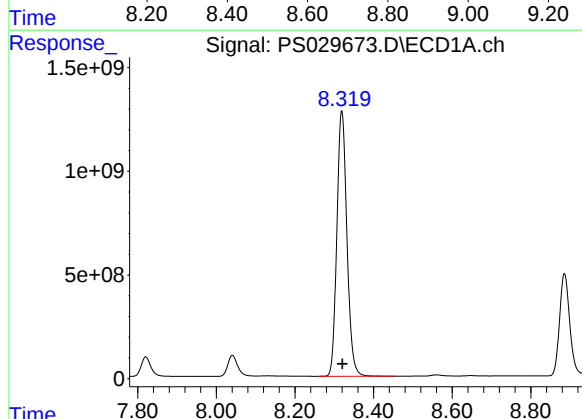
R.T.: 8.041 min
Delta R.T.: -0.002 min
Response: 1766739140
Conc: 733.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



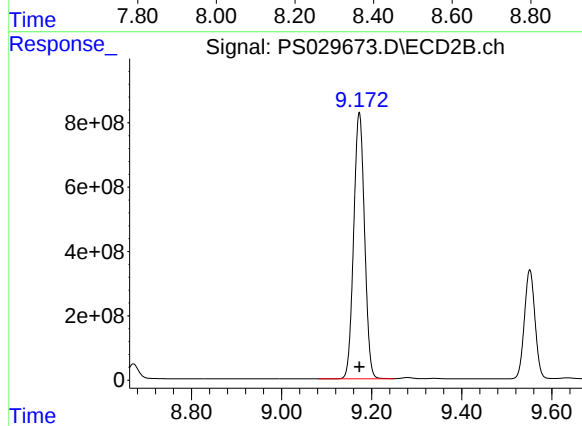
#9 2,4-D

R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 780095999
Conc: 723.34 ng/ml



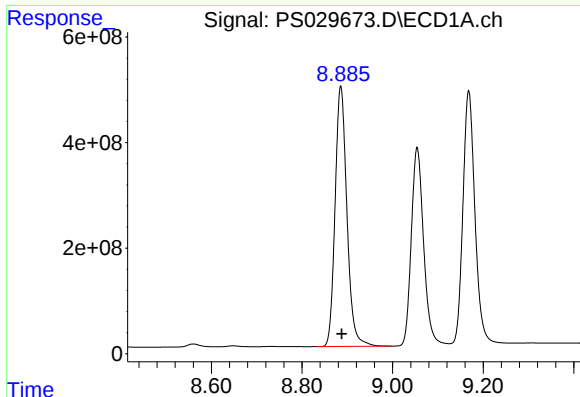
#10 Pentachlorophenol

R.T.: 8.319 min
Delta R.T.: -0.002 min
Response: 22707041632
Conc: 746.82 ng/ml



#10 Pentachlorophenol

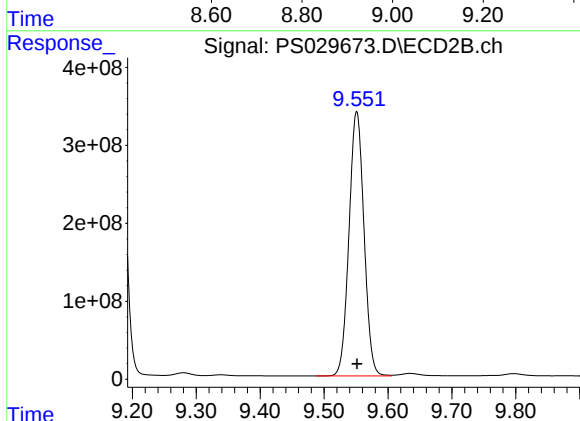
R.T.: 9.173 min
Delta R.T.: 0.000 min
Response: 13863748302
Conc: 773.31 ng/ml



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

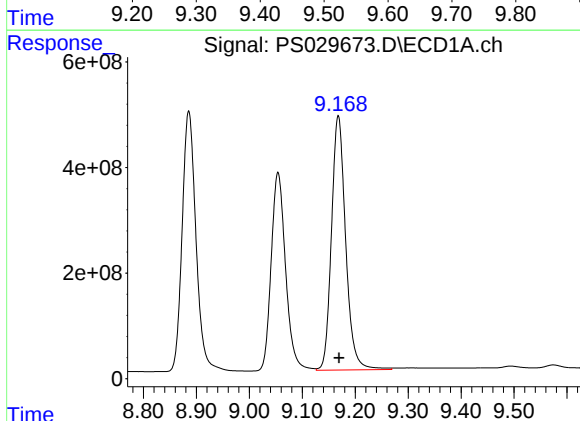
R.T.: 8.886 min
Delta R.T.: -0.002 min
Response: 8929040510
Conc: 768.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



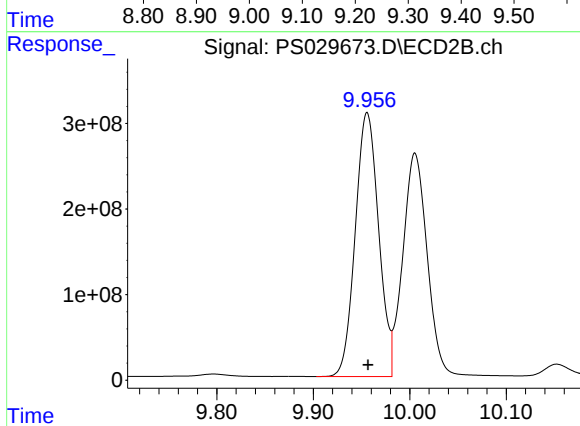
#11 2,4,5-TP (SILVEX)

R.T.: 9.551 min
Delta R.T.: 0.000 min
Response: 5527231732
Conc: 766.29 ng/ml



#12 2,4,5-T

R.T.: 9.168 min
Delta R.T.: -0.002 min
Response: 8967618876
Conc: 779.49 ng/ml

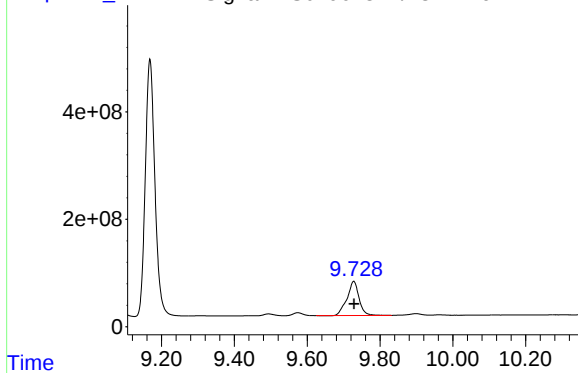


#12 2,4,5-T

R.T.: 9.956 min
Delta R.T.: -0.001 min
Response: 5177725987
Conc: 772.47 ng/ml

Signal: PS029673.D\ECD1A.ch

#13 2,4-DB

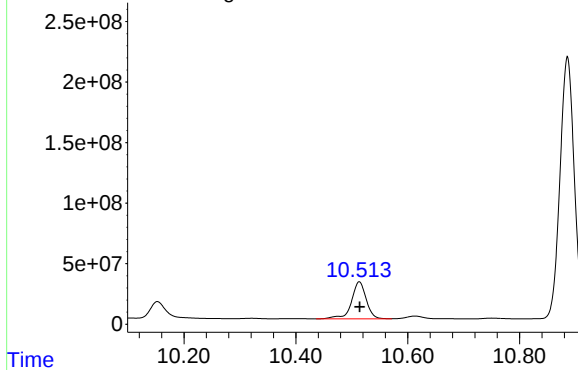


R.T.: 9.728 min
Delta R.T.: -0.002 min
Response: 1464454432
Conc: 806.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Signal: PS029673.D\ECD2B.ch

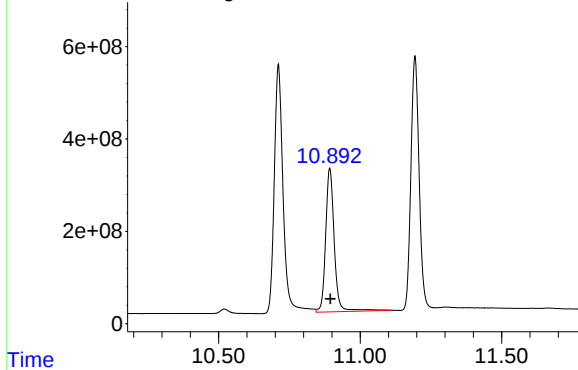
#13 2,4-DB



R.T.: 10.513 min
Delta R.T.: 0.000 min
Response: 563249815
Conc: 759.12 ng/ml

Signal: PS029673.D\ECD1A.ch

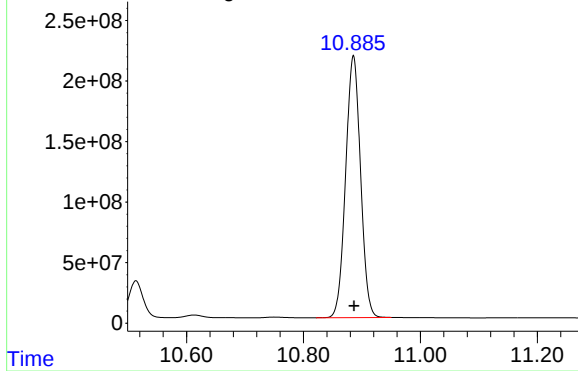
#14 DINOSEB



R.T.: 10.893 min
Delta R.T.: -0.003 min
Response: 6557119394
Conc: 776.72 ng/ml

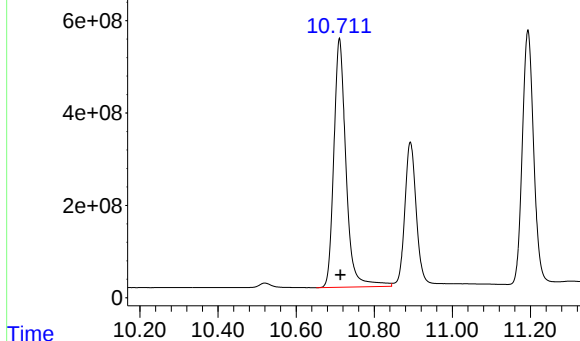
Signal: PS029673.D\ECD2B.ch

#14 DINOSEB



R.T.: 10.886 min
Delta R.T.: -0.001 min
Response: 3825438195
Conc: 748.21 ng/ml

Response_ Signal: PS029673.D\ECD1A.ch

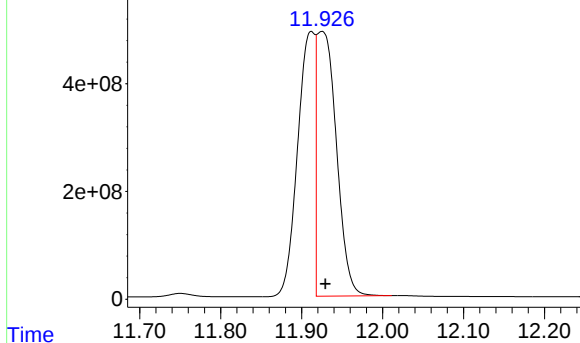


#15 Picloram

R.T.: 10.711 min
Delta R.T.: -0.002 min
Response: 11677755255
Conc: 753.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

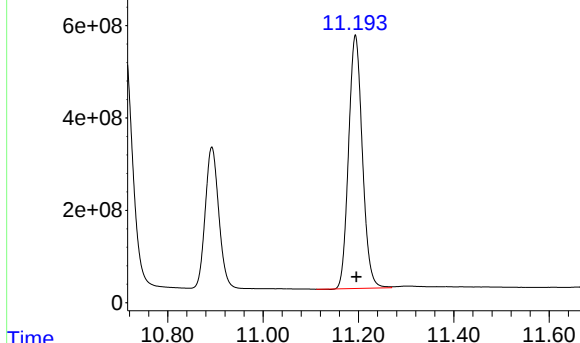
Response_ Signal: PS029673.D\ECD2B.ch



#15 Picloram

R.T.: 11.925 min
Delta R.T.: -0.004 min
Response: 8328977050
Conc: 704.39 ng/ml

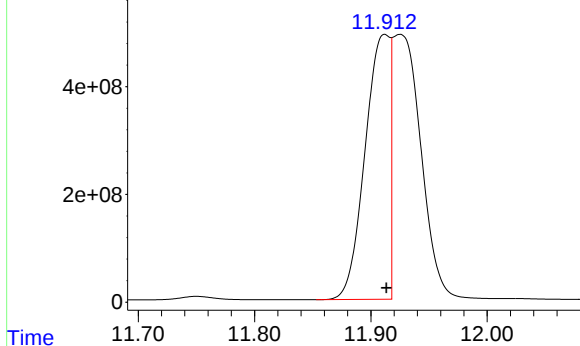
Response_ Signal: PS029673.D\ECD1A.ch



#16 DCPA

R.T.: 11.194 min
Delta R.T.: -0.002 min
Response: 10964740772
Conc: 785.10 ng/ml

Response_ Signal: PS029673.D\ECD2B.ch



#16 DCPA

R.T.: 11.912 min
Delta R.T.: -0.001 min
Response: 7282407619
Conc: 822.81 ng/ml

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q1502
Project: NJ Waste Water PT	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 03/20/2025 03/20/2025

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	03/20/2025	11:43	PS029470.D	7.16	0.00
HSTDICC200	HSTDICC200	03/20/2025	12:07	PS029471.D	7.16	0.00
HSTDICC500	HSTDICC500	03/20/2025	12:31	PS029472.D	7.16	0.00
HSTDICC750	HSTDICC750	03/20/2025	12:55	PS029473.D	7.16	0.00
HSTDICC1000	HSTDICC1000	03/20/2025	13:19	PS029474.D	7.16	0.00
HSTDICC1500	HSTDICC1500	03/20/2025	13:43	PS029475.D	7.16	0.00
IBLK	IBLK	03/20/2025	14:31	PS029477.D	7.16	0.00
HSTDCCC750	HSTDCCC750	03/20/2025	14:55	PS029478.D	7.16	0.00
PB167229BL	PB167229BL	03/20/2025	16:09	PS029479.D	7.15	0.00
PB167229BS	PB167229BS	03/20/2025	16:33	PS029480.D	7.15	0.00
PB167229BSD	PB167229BSD	03/20/2025	16:57	PS029481.D	7.15	0.00
IBLK	IBLK	03/20/2025	18:33	PS029485.D	7.15	0.00
HSTDCCC750	HSTDCCC750	03/20/2025	18:57	PS029486.D	7.15	0.00
IBLK	IBLK	04/02/2025	16:44	PS029656.D	6.96	0.00
HSTDICC200	HSTDICC200	04/02/2025	17:32	PS029657.D	6.96	0.00
HSTDICC500	HSTDICC500	04/02/2025	17:56	PS029658.D	6.96	0.00
HSTDICC750	HSTDICC750	04/02/2025	18:44	PS029659.D	6.96	0.00
HSTDICC1000	HSTDICC1000	04/02/2025	19:32	PS029660.D	6.96	0.00
HSTDICC1500	HSTDICC1500	04/02/2025	20:44	PS029661.D	6.96	0.00
IBLK	IBLK	04/03/2025	08:50	PS029665.D	6.96	0.00
HSTDCCC750	HSTDCCC750	04/03/2025	09:14	PS029666.D	6.96	0.00
PT-HERB-WP	Q1502-17	04/03/2025	11:06	PS029670.D	6.96	0.00
IBLK	IBLK	04/03/2025	12:08	PS029672.D	6.96	0.00
HSTDCCC750	HSTDCCC750	04/03/2025	12:32	PS029673.D	6.96	0.00

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q1502
Project: NJ Waste Water PT	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 03/20/2025 03/20/2025

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	03/20/2025	11:43	PS029470.D	7.60	0.00
HSTDICC200	HSTDICC200	03/20/2025	12:07	PS029471.D	7.60	0.00
HSTDICC500	HSTDICC500	03/20/2025	12:31	PS029472.D	7.60	0.00
HSTDICC750	HSTDICC750	03/20/2025	12:55	PS029473.D	7.60	0.00
HSTDICC1000	HSTDICC1000	03/20/2025	13:19	PS029474.D	7.60	0.00
HSTDICC1500	HSTDICC1500	03/20/2025	13:43	PS029475.D	7.60	0.00
IBLK	IBLK	03/20/2025	14:31	PS029477.D	7.60	0.00
HSTDCCC750	HSTDCCC750	03/20/2025	14:55	PS029478.D	7.60	0.00
PB167229BL	PB167229BL	03/20/2025	16:09	PS029479.D	7.58	0.00
PB167229BS	PB167229BS	03/20/2025	16:33	PS029480.D	7.58	0.00
PB167229BSD	PB167229BSD	03/20/2025	16:57	PS029481.D	7.58	0.00
IBLK	IBLK	03/20/2025	18:33	PS029485.D	7.58	0.00
HSTDCCC750	HSTDCCC750	03/20/2025	18:57	PS029486.D	7.58	0.00
IBLK	IBLK	04/02/2025	16:44	PS029656.D	7.48	0.00
HSTDICC200	HSTDICC200	04/02/2025	17:32	PS029657.D	7.48	0.00
HSTDICC500	HSTDICC500	04/02/2025	17:56	PS029658.D	7.48	0.00
HSTDICC750	HSTDICC750	04/02/2025	18:44	PS029659.D	7.48	0.00
HSTDICC1000	HSTDICC1000	04/02/2025	19:32	PS029660.D	7.48	0.00
HSTDICC1500	HSTDICC1500	04/02/2025	20:44	PS029661.D	7.48	0.00
IBLK	IBLK	04/03/2025	08:50	PS029665.D	7.48	0.00
HSTDCCC750	HSTDCCC750	04/03/2025	09:14	PS029666.D	7.48	0.00
PT-HERB-WP	Q1502-17	04/03/2025	11:06	PS029670.D	7.47	0.00
IBLK	IBLK	04/03/2025	12:08	PS029672.D	7.47	0.00
HSTDCCC750	HSTDCCC750	04/03/2025	12:32	PS029673.D	7.48	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167229BS

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: PB167229BS

Date(s) Analyzed: 03/20/2025

03/20/2025

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	2.59	2.54	2.64	4.20	4.7
	2	2.63	2.58	2.68	4.40	
MCPA	1	7.65	7.60	7.70	0.47	0.8
	2	8.11	8.06	8.16	0.46	
DICHLORPROP	1	8.03	7.98	8.08	5.20	5.9
	2	8.48	8.43	8.53	4.90	
2,4-D	1	8.26	8.21	8.31	5.20	5.9
	2	8.80	8.75	8.85	4.90	
2,4,5-TP(Silvex)	1	9.12	9.07	9.17	5.20	5.9
	2	9.69	9.64	9.74	4.90	
2,4,5-T	1	9.42	9.37	9.47	5.30	7.8
	2	10.10	10.05	10.15	4.90	
2,4-DB	1	9.99	9.94	10.04	5.00	4.1
	2	10.66	10.61	10.71	4.80	
Dinoseb	1	11.17	11.12	11.22	5.30	7.8
	2	11.03	10.98	11.08	4.90	
Pentachlorophenol	1	8.55	8.50	8.60	6.20	21.4
	2	9.31	9.26	9.36	5.00	
4-Nitrophenol	1	6.96	6.91	7.01	4.70	0
	2	7.12	7.07	7.17	4.70	
PICLORAM	1	10.99	10.94	11.04	4.90	8.5
	2	12.10	12.05	12.15	4.50	
3,5-DICHLOROBENZOIC ACID	1	6.33	6.28	6.38	5.00	4.1
	2	6.57	6.52	6.62	4.80	
DICAMBA	1	7.33	7.28	7.38	5.10	8.2
	2	7.77	7.72	7.82	4.70	
MCPP	1	7.51	7.46	7.56	0.48	4.1
	2	7.88	7.83	7.93	0.46	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167229BS

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: PB167229BS

Date(s) Analyzed: 03/20/2025 03/20/2025

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		
DCPA	1	11.47	11.42	11.52	5.40	7.7
	2	12.06	12.01	12.11	5.00	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167229BSD

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: PB167229BSD

Date(s) Analyzed: 03/20/2025

03/20/2025

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	2.59	2.54	2.64	4.20	4.7
	2	2.63	2.58	2.68	4.40	
MCPA	1	7.65	7.60	7.70	0.46	0
	2	8.11	8.06	8.16	0.46	
DICHLORPROP	1	8.03	7.98	8.08	5.10	6.1
	2	8.48	8.43	8.53	4.80	
2,4-D	1	8.26	8.21	8.31	5.20	5.9
	2	8.80	8.75	8.85	4.90	
2,4,5-TP(Silvex)	1	9.12	9.07	9.17	5.20	8
	2	9.69	9.64	9.74	4.80	
2,4,5-T	1	9.42	9.37	9.47	5.30	9.9
	2	10.10	10.05	10.15	4.80	
2,4-DB	1	9.99	9.94	10.04	4.80	0
	2	10.66	10.61	10.71	4.80	
Dinoseb	1	11.17	11.12	11.22	5.30	9.9
	2	11.03	10.98	11.08	4.80	
Pentachlorophenol	1	8.55	8.50	8.60	6.10	21.8
	2	9.31	9.26	9.36	4.90	
4-Nitrophenol	1	6.96	6.91	7.01	4.50	4.3
	2	7.12	7.07	7.17	4.70	
PICLORAM	1	10.99	10.94	11.04	4.90	6.3
	2	12.10	12.05	12.15	4.60	
3,5-DICHLOROBENZOIC ACID	1	6.34	6.29	6.39	5.00	6.2
	2	6.57	6.52	6.62	4.70	
DICAMBA	1	7.33	7.28	7.38	5.10	8.2
	2	7.77	7.72	7.82	4.70	
MCPP	1	7.51	7.46	7.56	0.40	13.6
	2	7.88	7.83	7.93	0.46	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167229BSD

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: PB167229BSD

Date(s) Analyzed: 03/20/2025 03/20/2025

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		
DCPA	1	11.47	11.42	11.52	5.30	5.8
	2	12.06	12.01	12.11	5.00	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-HERB-WP

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: Q1502-17

Date(s) Analyzed: 04/03/2025 04/03/2025

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	2.46	2.41	2.51	5.50	7
	2	2.53	2.48	2.58	5.90	
DICHLORPROP	1	7.82	7.77	7.87	2.00	9.5
	2	8.35	8.30	8.40	2.20	
2,4-D	1	8.04	7.99	8.09	6.70	9.4
	2	8.67	8.62	8.72	6.10	
2,4,5-TP(Silvex)	1	8.89	8.84	8.94	5.80	5.3
	2	9.55	9.50	9.60	5.50	
2,4,5-T	1	9.17	9.12	9.22	6.80	4.5
	2	9.95	9.90	10.00	6.50	
2,4-DB	1	9.73	9.68	9.78	5.60	6.9
	2	10.51	10.46	10.56	6.00	
Dinoseb	1	10.89	10.84	10.94	2.70	3.8
	2	10.88	10.83	10.93	2.60	
Pentachlorophenol	1	8.32	8.27	8.37	6.90	4.4
	2	9.17	9.12	9.22	6.60	
4-Nitrophenol	1	6.75	6.70	6.80	3.10	6.7
	2	7.01	6.96	7.06	2.90	
PICLORAM	1	10.71	10.66	10.76	4.40	28.6
	2	11.92	11.87	11.97	3.30	
3,5-DICHLOROBENZOIC ACID	1	6.16	6.11	6.21	6.90	4.4
	2	6.47	6.42	6.52	6.60	
DICAMBA	1	7.14	7.09	7.19	5.90	3.4
	2	7.66	7.61	7.71	5.70	
DCPA	1	11.19	11.14	11.24	4.90	21.8
	2	11.91	11.86	11.96	6.10	



QC SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Waste Water PT		Date Received:	
Client Sample ID:	PB167229BL		SDG No.:	Q1502
Lab Sample ID:	PB167229BL		Matrix:	WATER
Analytical Method:	SW8151A		% Solid:	0 Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1
Extraction Type:			Injection Volume :	
GPC Factor :	1.0	PH :		
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029479.D	1	03/20/25 08:30	03/20/25 16:09	PB167229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
93-65-2	MCPP	0.079	U	0.079	0.20	ug/L
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
75-99-0	DALAPON	0.98	U	0.98	2.00	ug/L
94-74-6	MCPA	0.10	U	0.10	0.20	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
87-86-5	Pentachlorophenol	0.70	U	0.70	2.00	ug/L
100-02-7	4-Nitrophenol	0.83	U	0.83	2.00	ug/L
1918-02-1	PICLORAM	0.63	U	0.63	2.00	ug/L
1861-32-1	DCPA	0.82	U	0.82	2.00	ug/L
51-36-5	3,5-DICHLOROBENZOIC AC	0.70	U	0.70	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	502		39 - 175	100%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:		
Project:	NJ Waste Water PT		Date Received:		
Client Sample ID:	PB167229BL		SDG No.:	Q1502	
Lab Sample ID:	PB167229BL		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029479.D	1	03/20/25 08:30	03/20/25 16:09	PB167229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PS032025\
 Data File : PS029479.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 16:09
 Operator : AR\AJ
 Sample : PB167229BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB167229BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 21 04:54:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:46:07 2025
 Response via : Initial 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

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	7.151	7.578	2078.7E6	418.7E6	502.332	481.568
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Target Compounds

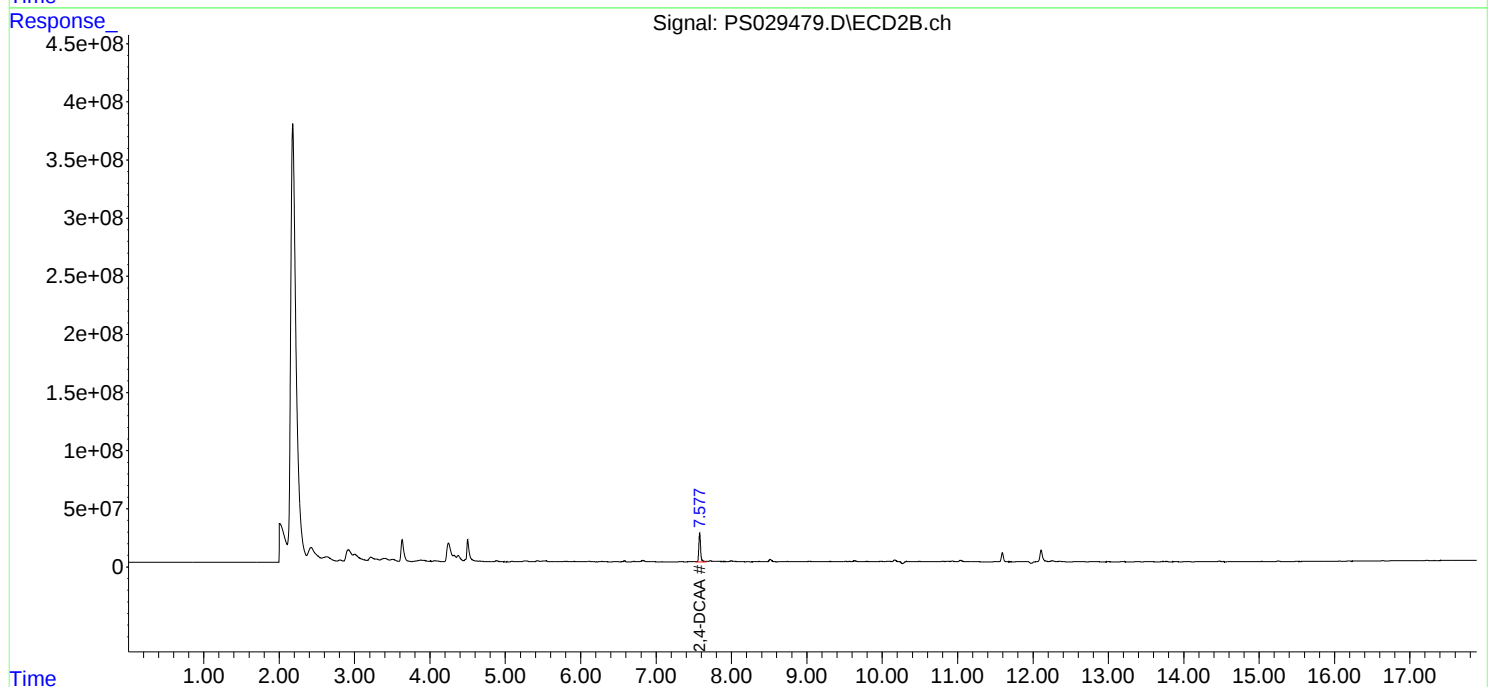
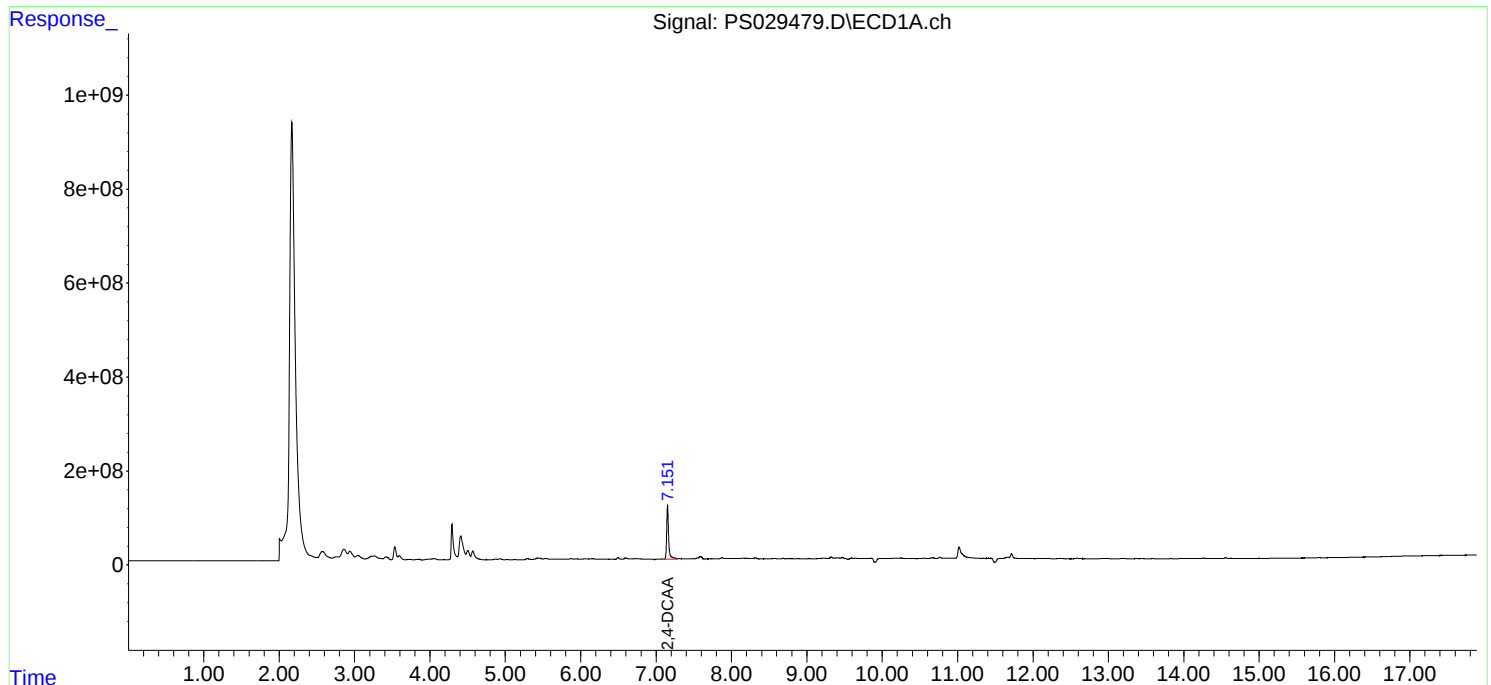
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

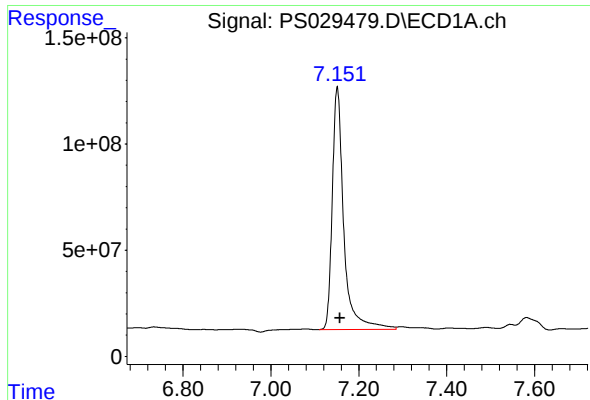
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 16:09
Operator : AR\AJ
Sample : PB167229BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167229BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 04:54:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:46:07 2025
Response via : Initial 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

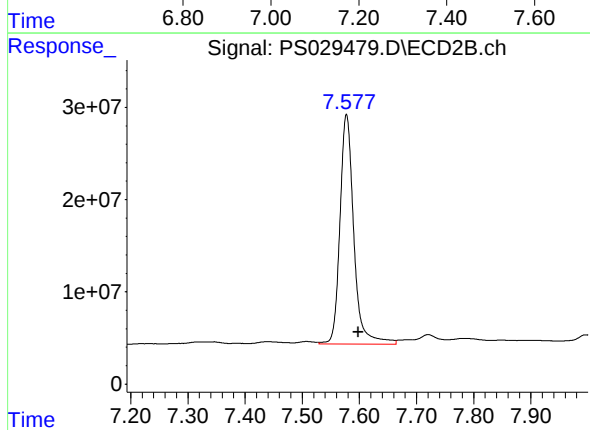




#4 2,4-DCAA

R.T.: 7.151 min
Delta R.T.: -0.006 min
Response: 2078661307
Conc: 502.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BL



#4 2,4-DCAA

R.T.: 7.578 min
Delta R.T.: -0.021 min
Response: 418718343
Conc: 481.57 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/20/25	
Project:	NJ Waste Water PT		Date Received:	03/20/25	
Client Sample ID:	PIBLK-PS029470.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029470.D		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029470.D	1		03/20/25	PS032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
93-65-2	MCPP	0.079	U	0.079	0.20	ug/L
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
75-99-0	DALAPON	0.98	U	0.98	2.00	ug/L
94-74-6	MCPA	0.10	U	0.10	0.20	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
87-86-5	Pentachlorophenol	0.70	U	0.70	2.00	ug/L
100-02-7	4-Nitrophenol	0.83	U	0.83	2.00	ug/L
1918-02-1	PICLORAM	0.63	U	0.63	2.00	ug/L
1861-32-1	DCPA	0.82	U	0.82	2.00	ug/L
51-36-5	3,5-DICHLOROBENZOIC AC	0.70	U	0.70	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	506		39 - 175	101%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	03/20/25	
Project:	NJ Waste Water PT			Date Received:	03/20/25	
Client Sample ID:	PIBLK-PS029470.D			SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029470.D			Matrix:	WATER	
Analytical Method:	SW8151A			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Herbicide group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	SW3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029470.D	1		03/20/25	PS032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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 OC 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\PS032025\
 Data File : PS029470.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 11:43
 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: Mar 20 16:12:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Thu Mar 20 16:10:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.158	7.600	2152.9E6	436.9E6	506.085	498.648
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Target Compounds

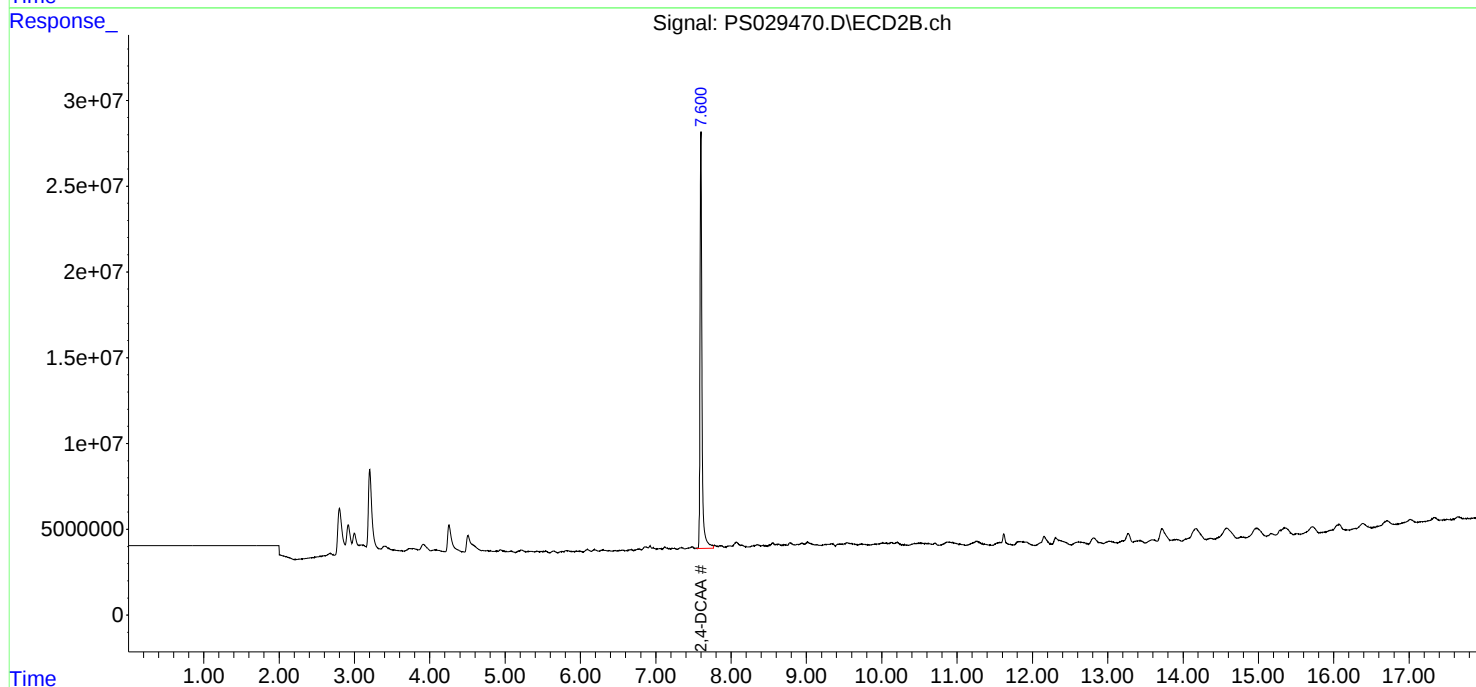
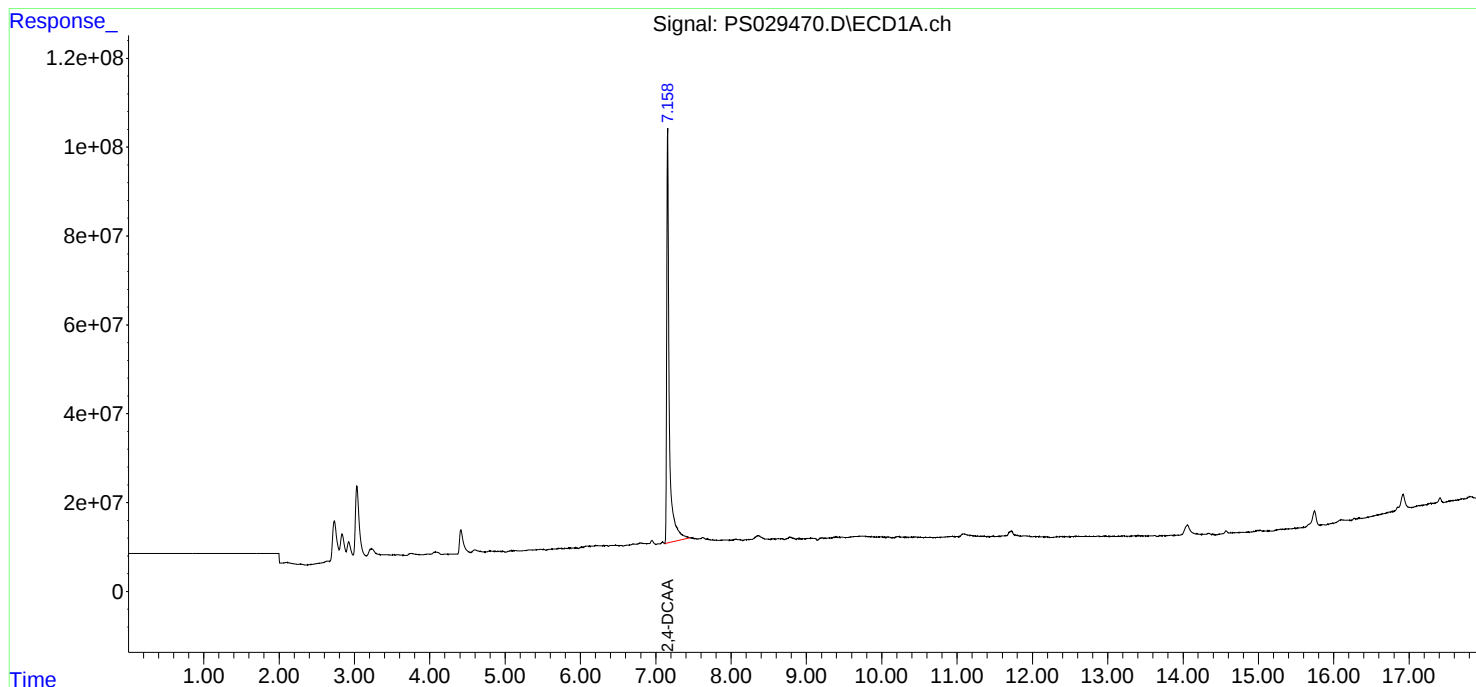
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

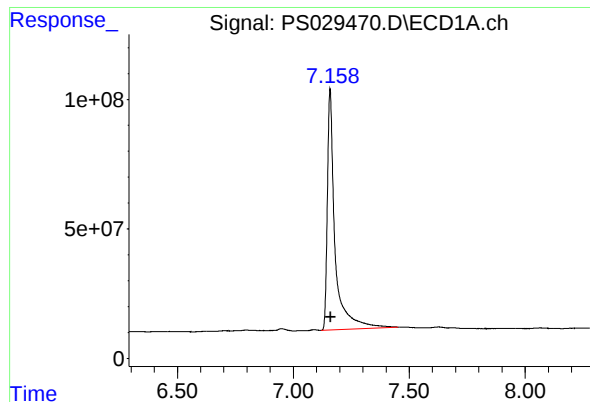
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029470.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 11:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 16:12:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Thu Mar 20 16:10:10 2025
Response via : Initial 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.: 7.158 min

Delta R.T.: -0.003 min

Response: 2152884136

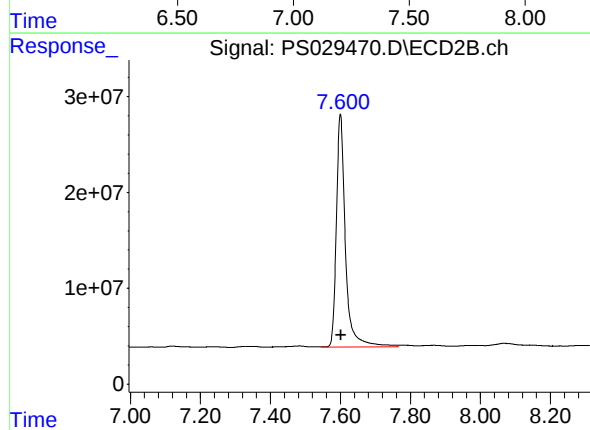
Conc: 506.08 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.600 min

Delta R.T.: -0.002 min

Response: 436945066

Conc: 498.65 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/20/25	
Project:	NJ Waste Water PT		Date Received:	03/20/25	
Client Sample ID:	PIBLK-PS029477.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029477.D		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029477.D	1		03/20/25	ps032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
93-65-2	MCPP	0.079	U	0.079	0.20	ug/L
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
75-99-0	DALAPON	0.98	U	0.98	2.00	ug/L
94-74-6	MCPA	0.10	U	0.10	0.20	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
87-86-5	Pentachlorophenol	0.70	U	0.70	2.00	ug/L
100-02-7	4-Nitrophenol	0.83	U	0.83	2.00	ug/L
1918-02-1	PICLORAM	0.63	U	0.63	2.00	ug/L
1861-32-1	DCPA	0.82	U	0.82	2.00	ug/L
51-36-5	3,5-DICHLOROBENZOIC AC	0.70	U	0.70	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	527		39 - 175	105%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	03/20/25	
Project:	NJ Waste Water PT			Date Received:	03/20/25	
Client Sample ID:	PIBLK-PS029477.D			SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029477.D			Matrix:	WATER	
Analytical Method:	SW8151A			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Herbicide group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	SW3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029477.D	1		03/20/25	ps032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PS032025\
 Data File : PS029477.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 14:31
 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: Mar 21 05:31:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:46:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.161	7.602	2179.3E6	439.1E6	526.657	505.037

Target Compounds

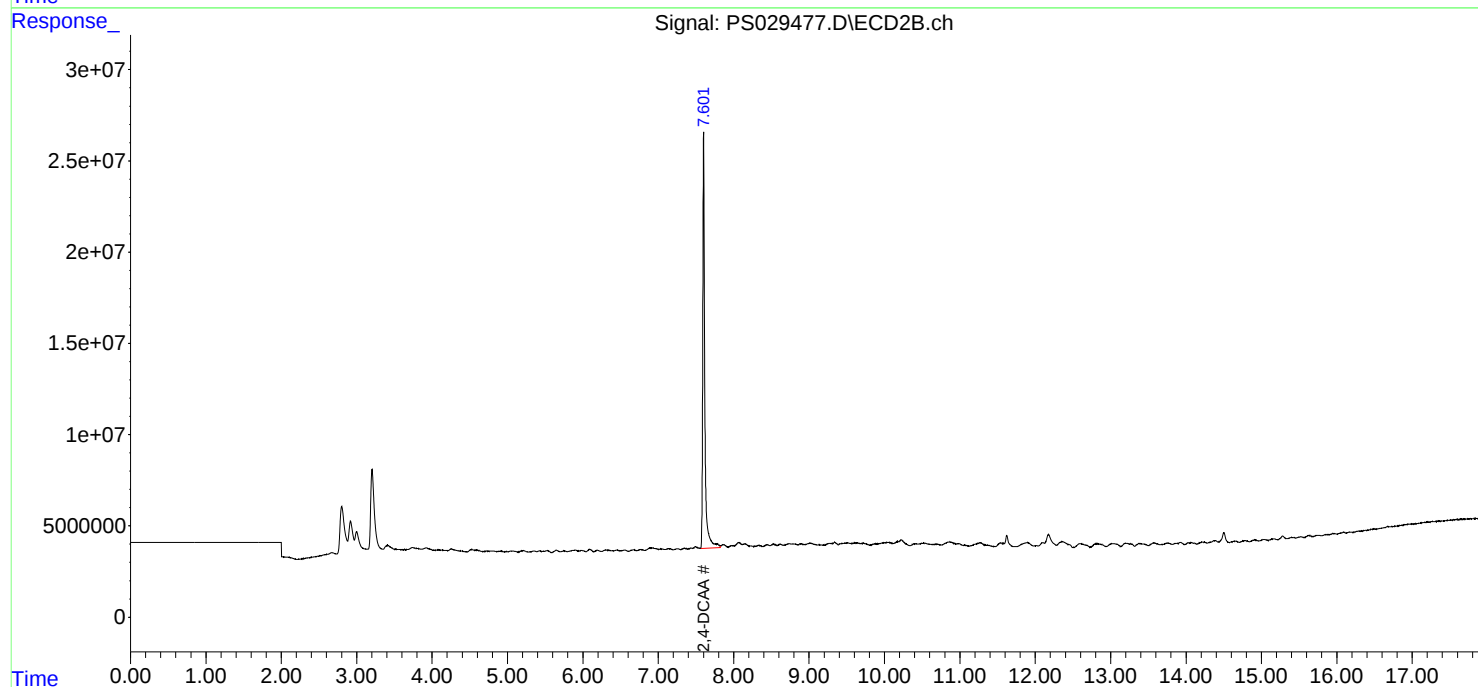
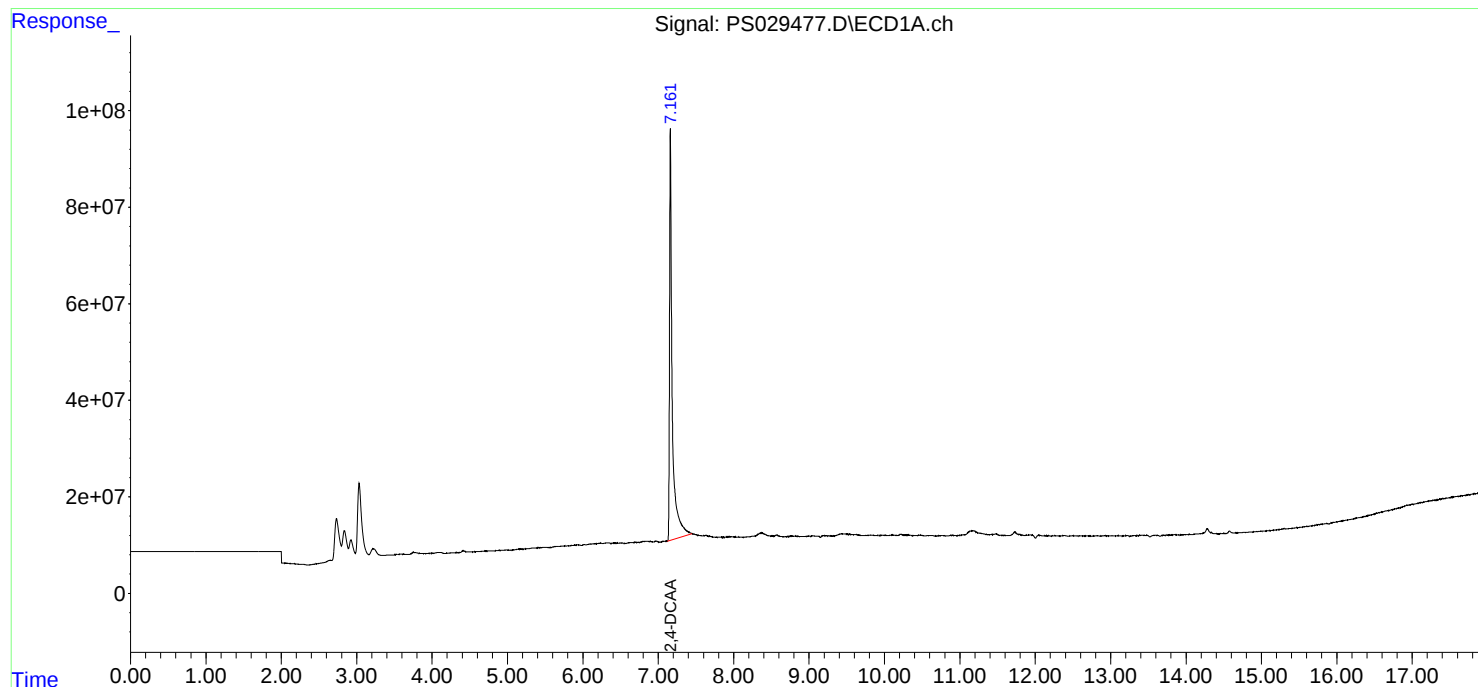
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

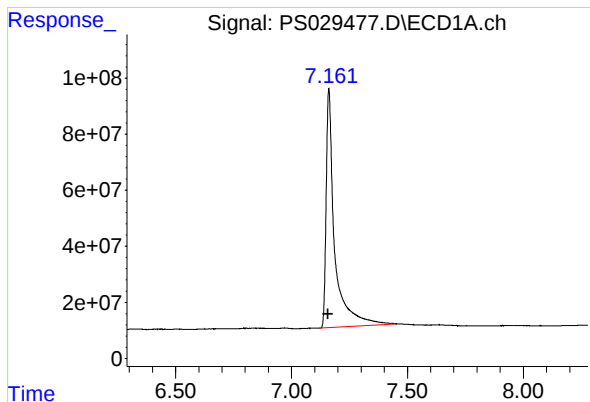
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029477.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 14:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 05:31:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:46:07 2025
Response via : Initial 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.: 7.161 min

Delta R.T.: 0.004 min

Response: 2179321411

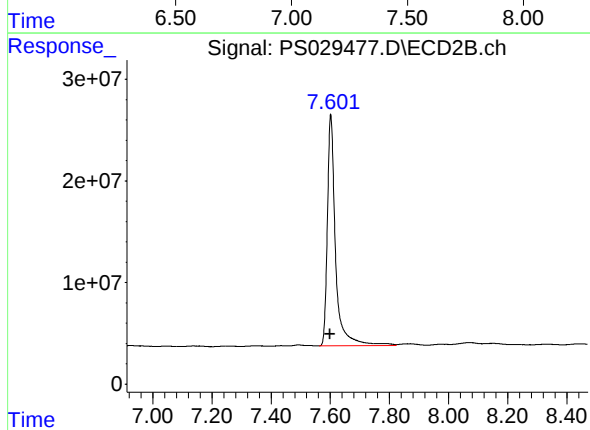
Conc: 526.66 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.602 min

Delta R.T.: 0.003 min

Response: 439124540

Conc: 505.04 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/20/25	
Project:	NJ Waste Water PT		Date Received:	03/20/25	
Client Sample ID:	PIBLK-PS029485.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029485.D		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029485.D	1		03/20/25	ps032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
93-65-2	MCPP	0.079	U	0.079	0.20	ug/L
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
75-99-0	DALAPON	0.98	U	0.98	2.00	ug/L
94-74-6	MCPA	0.10	U	0.10	0.20	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
87-86-5	Pentachlorophenol	0.70	U	0.70	2.00	ug/L
100-02-7	4-Nitrophenol	0.83	U	0.83	2.00	ug/L
1918-02-1	PICLORAM	0.63	U	0.63	2.00	ug/L
1861-32-1	DCPA	0.82	U	0.82	2.00	ug/L
51-36-5	3,5-DICHLOROBENZOIC AC	0.70	U	0.70	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	528		39 - 175	106%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	03/20/25	
Project:	NJ Waste Water PT			Date Received:	03/20/25	
Client Sample ID:	PIBLK-PS029485.D			SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029485.D			Matrix:	WATER	
Analytical Method:	SW8151A			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Herbicide group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	SW3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029485.D	1		03/20/25	ps032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PS032025\
 Data File : PS029485.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 18:33
 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: Mar 21 04:57:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:46:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.150	7.584	2096.5E6	459.0E6	506.636	527.950
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Target Compounds

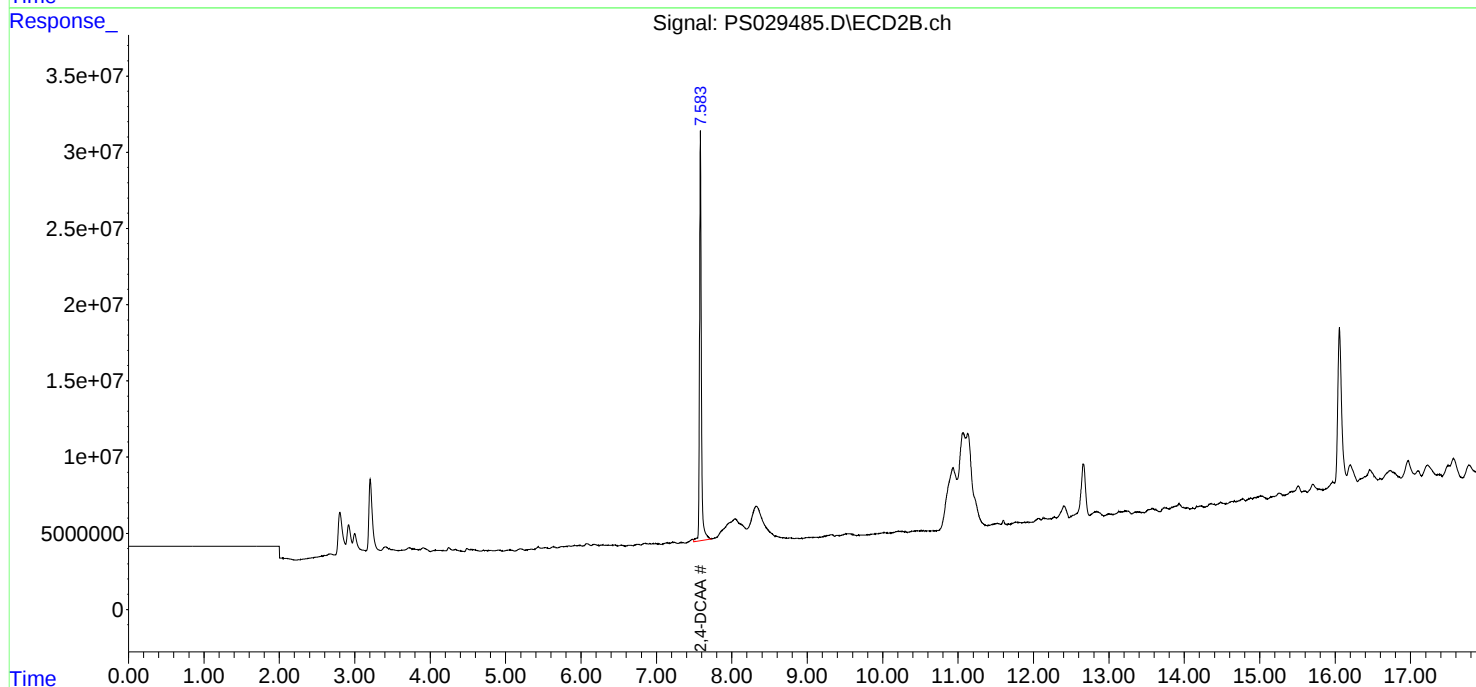
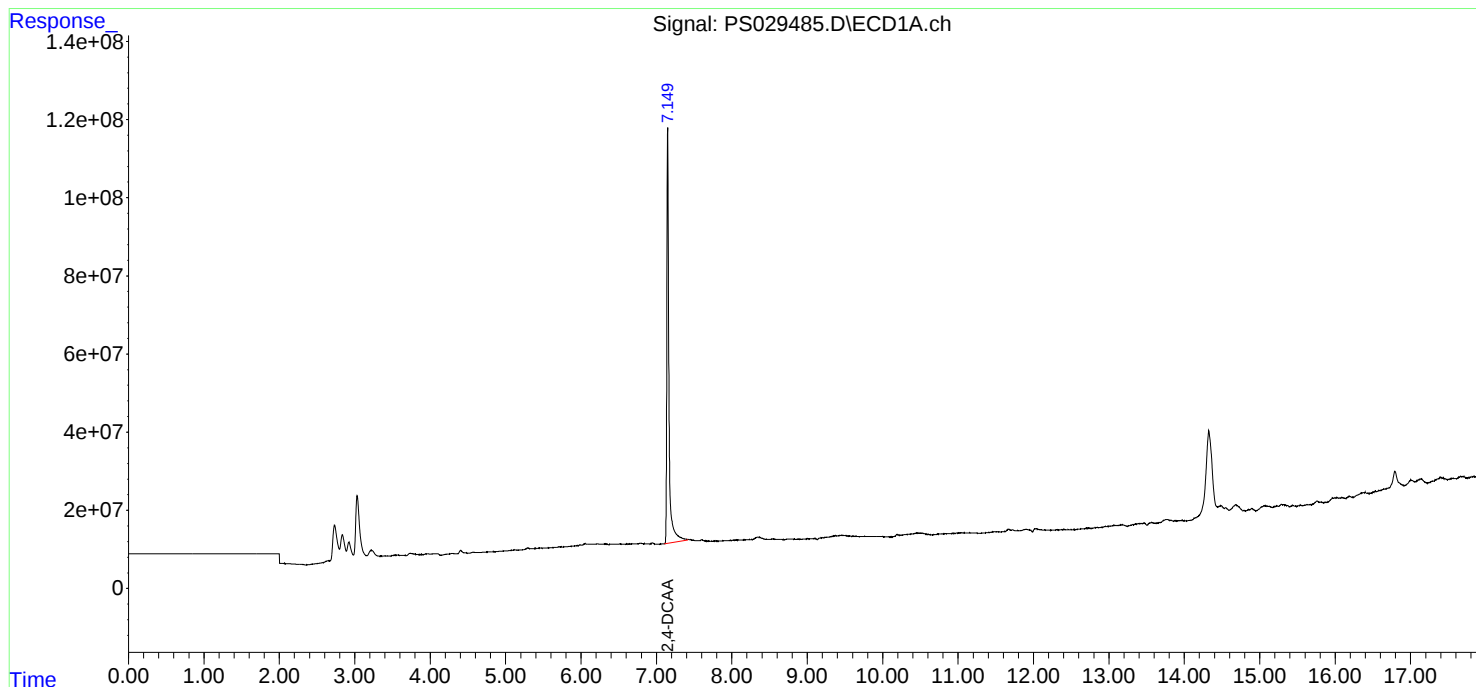
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

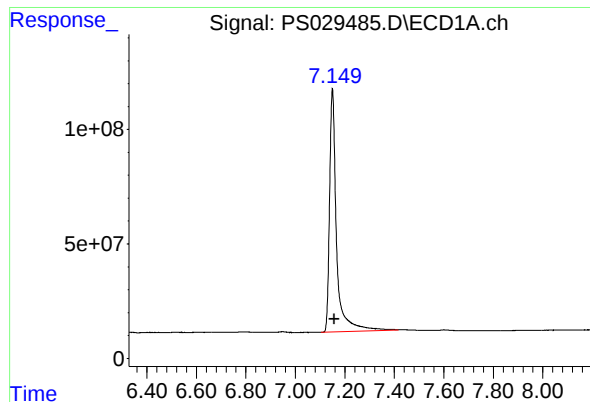
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 18:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 04:57:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:46:07 2025
Response via : Initial 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.: 7.150 min

Delta R.T.: -0.007 min

Response: 2096470472

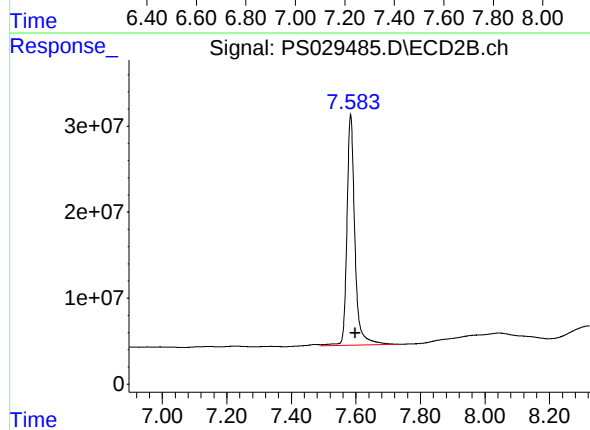
Conc: 506.64 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.584 min

Delta R.T.: -0.015 min

Response: 459047159

Conc: 527.95 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/02/25	
Project:	NJ Waste Water PT		Date Received:	04/02/25	
Client Sample ID:	PIBLK-PS029656.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029656.D		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029656.D	1		04/02/25	PS040225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
93-65-2	MCPP	0.079	U	0.079	0.20	ug/L
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
75-99-0	DALAPON	0.98	U	0.98	2.00	ug/L
94-74-6	MCPA	0.10	U	0.10	0.20	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
87-86-5	Pentachlorophenol	0.70	U	0.70	2.00	ug/L
100-02-7	4-Nitrophenol	0.83	U	0.83	2.00	ug/L
1918-02-1	PICLORAM	0.63	U	0.63	2.00	ug/L
1861-32-1	DCPA	0.82	U	0.82	2.00	ug/L
51-36-5	3,5-DICHLOROBENZOIC AC	0.70	U	0.70	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	485		39 - 175	97%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/02/25	
Project:	NJ Waste Water PT		Date Received:	04/02/25	
Client Sample ID:	PIBLK-PS029656.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029656.D		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029656.D	1		04/02/25	PS040225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PS040225\
 Data File : PS029656.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Apr 2025 16:44
 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: Apr 02 22:36:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
 Quant Title : 8080.M
 QLast Update : Wed Apr 02 21:58:31 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0.5 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	6.963	7.475	971.0E6	330.4E6	476.239	484.848

Target Compounds

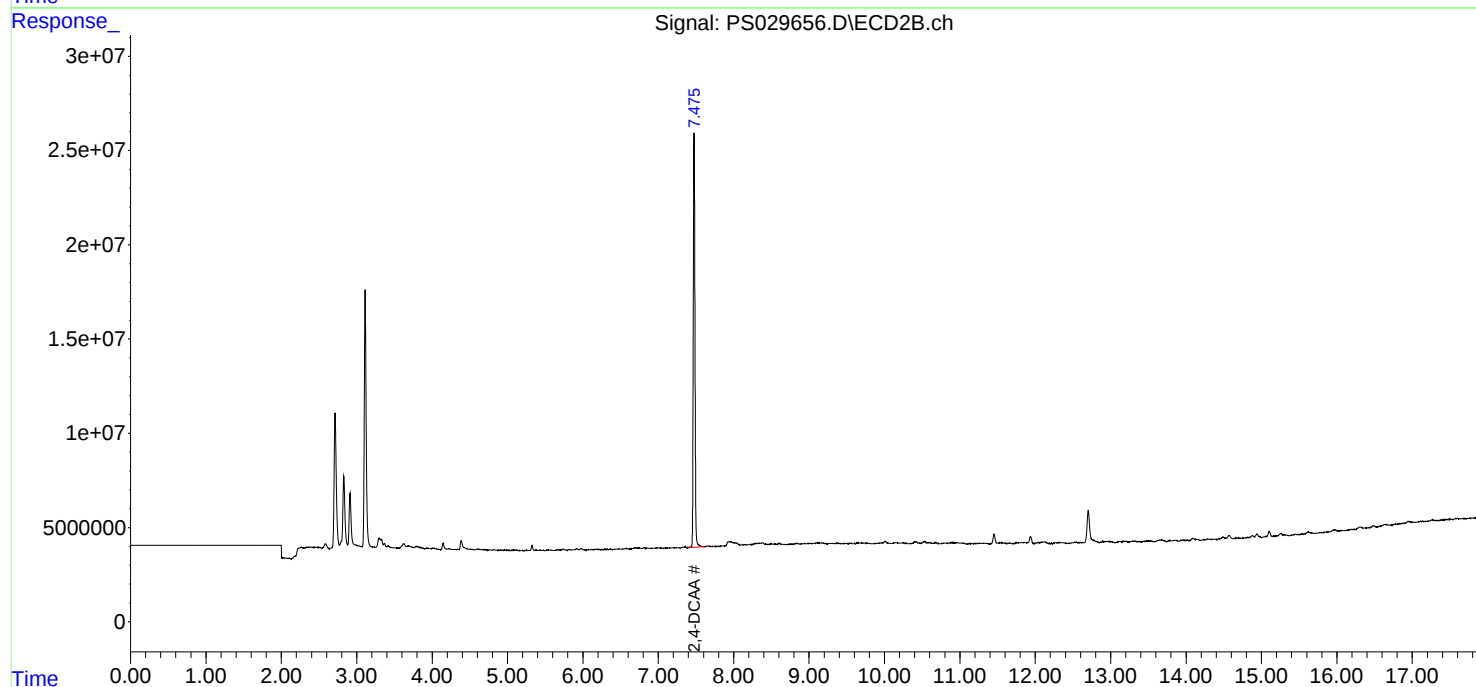
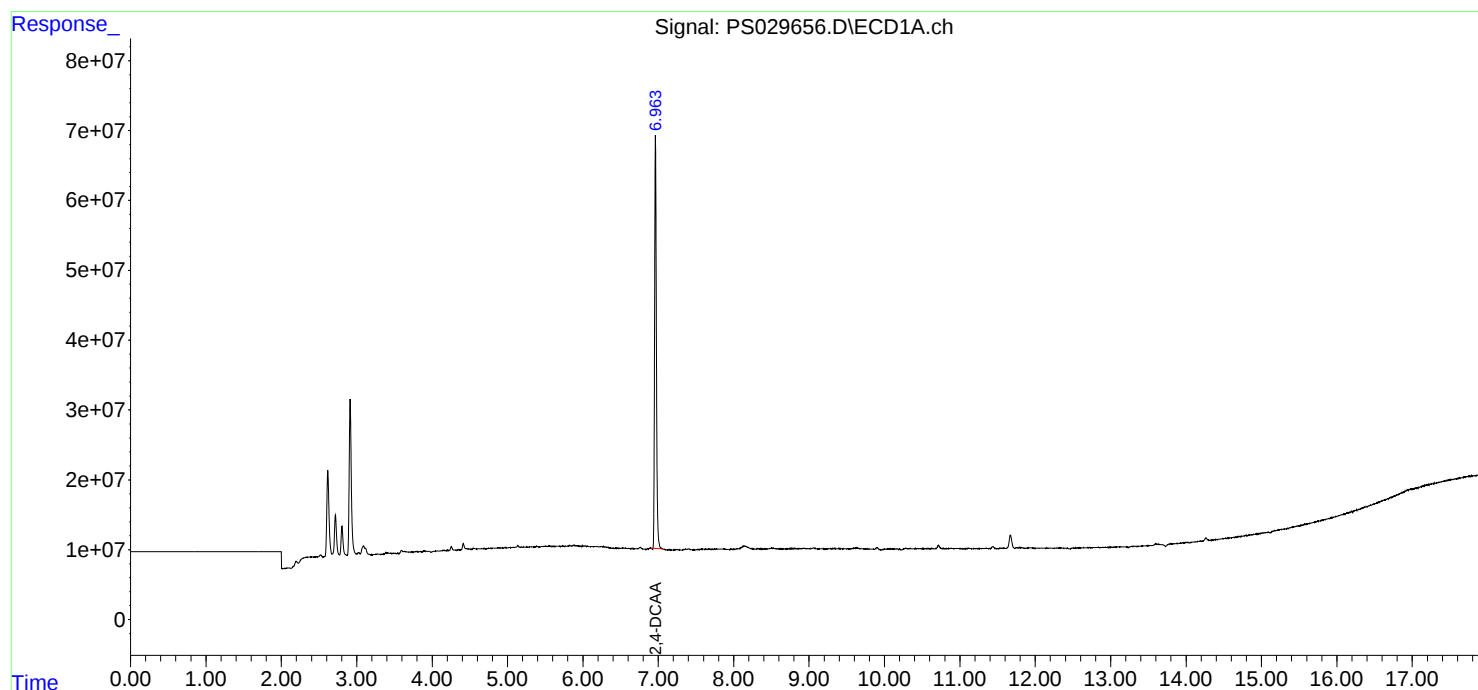
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

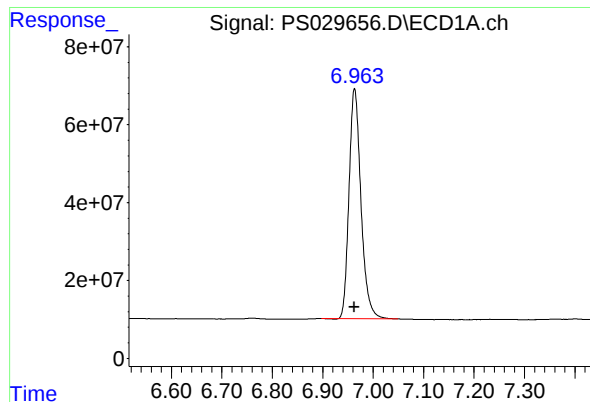
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040225\
Data File : PS029656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Apr 2025 16:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 02 22:36:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 21:58:31 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 6.963 min

Delta R.T.: 0.000 min

Response: 970970961

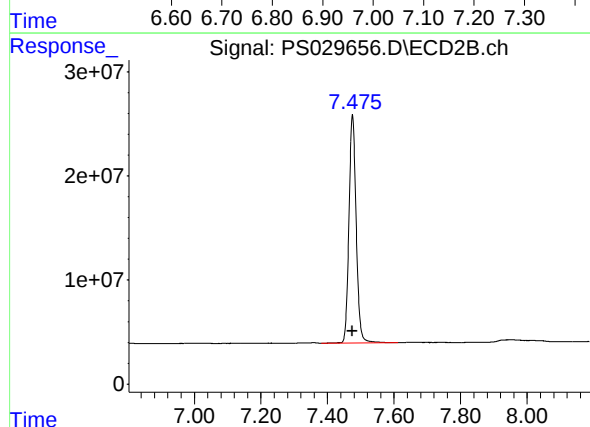
Conc: 476.24 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.475 min

Delta R.T.: 0.000 min

Response: 330430379

Conc: 484.85 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/03/25	
Project:	NJ Waste Water PT		Date Received:	04/03/25	
Client Sample ID:	PIBLK-PS029665.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029665.D		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029665.D	1		04/03/25	PS040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
93-65-2	MCPP	0.079	U	0.079	0.20	ug/L
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
75-99-0	DALAPON	0.98	U	0.98	2.00	ug/L
94-74-6	MCPA	0.10	U	0.10	0.20	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
87-86-5	Pentachlorophenol	0.70	U	0.70	2.00	ug/L
100-02-7	4-Nitrophenol	0.83	U	0.83	2.00	ug/L
1918-02-1	PICLORAM	0.63	U	0.63	2.00	ug/L
1861-32-1	DCPA	0.82	U	0.82	2.00	ug/L
51-36-5	3,5-DICHLOROBENZOIC AC	0.70	U	0.70	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	531		39 - 175	106%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	04/03/25	
Project:	NJ Waste Water PT			Date Received:	04/03/25	
Client Sample ID:	PIBLK-PS029665.D			SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029665.D			Matrix:	WATER	
Analytical Method:	SW8151A			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Herbicide group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	SW3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029665.D	1		04/03/25	PS040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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 OC 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\PS040325\
Data File : PS029665.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 08:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 03 11:43:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.962	7.475	1083.5E6	352.9E6	531.452	517.783

Target Compounds

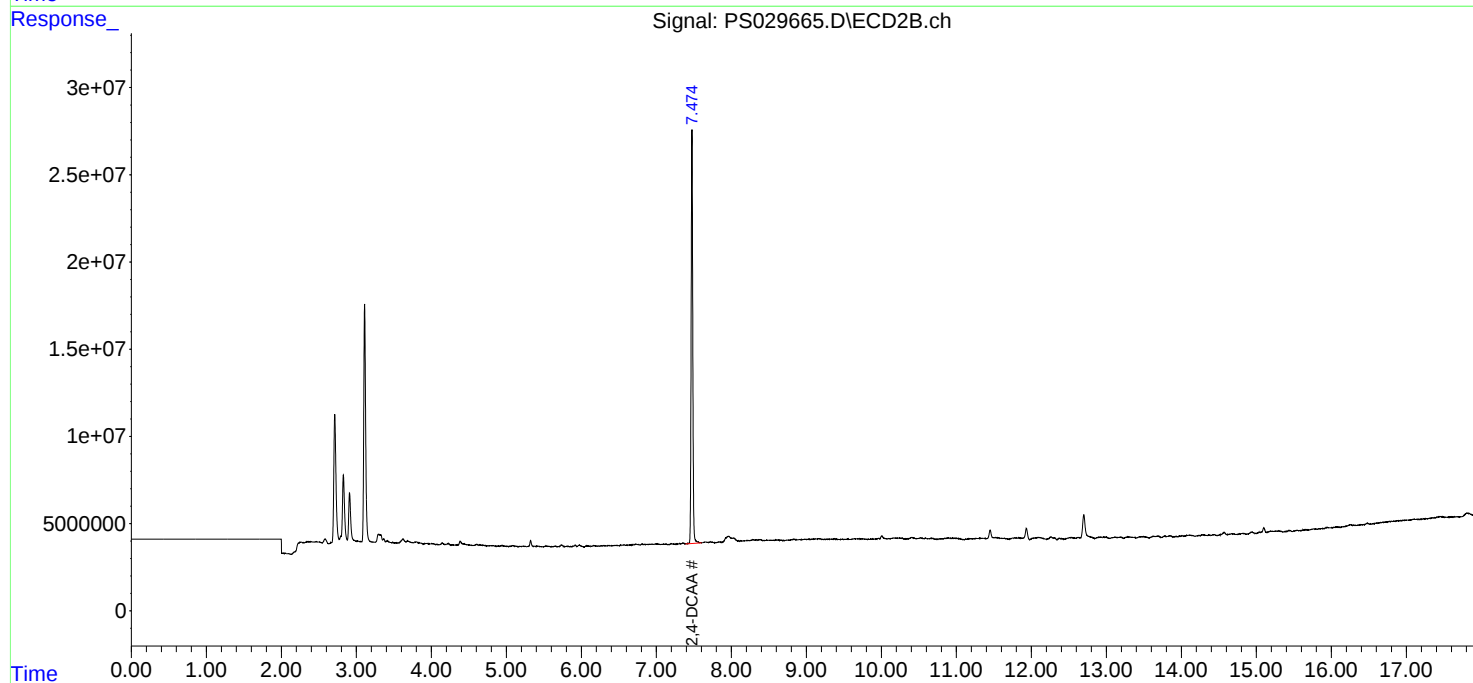
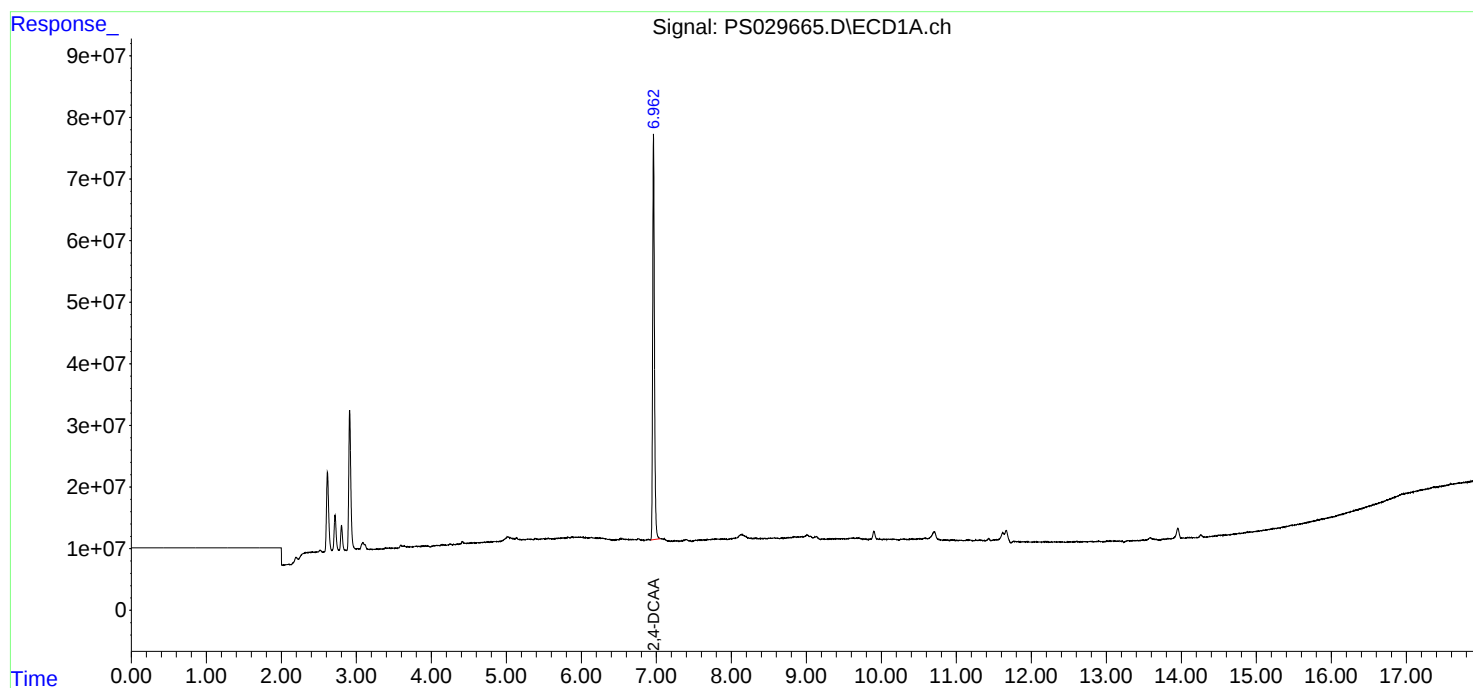
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029665.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 08:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 03 11:43:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_

Signal: PS029665.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 6.962 min

Delta R.T.: 0.000 min

Response: 1083540004

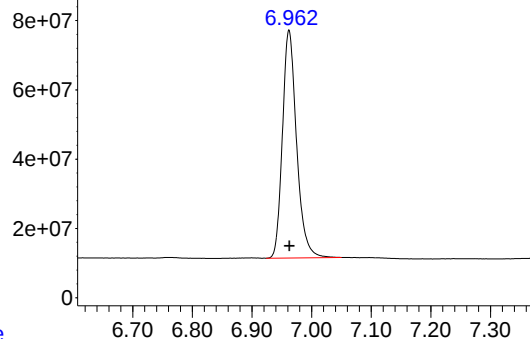
Conc: 531.45 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



Time

Response_

Signal: PS029665.D\ECD2B.ch

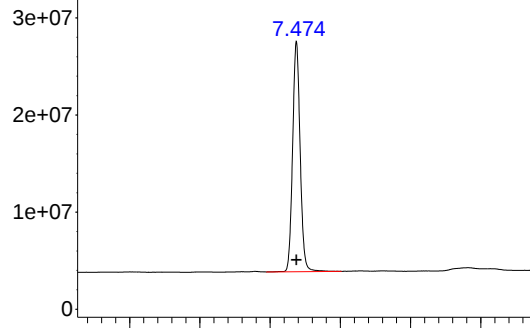
#4 2,4-DCAA

R.T.: 7.475 min

Delta R.T.: 0.000 min

Response: 352876053

Conc: 517.78 ng/ml



Time

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/03/25	
Project:	NJ Waste Water PT		Date Received:	04/03/25	
Client Sample ID:	PIBLK-PS029672.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029672.D		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029672.D	1		04/03/25	ps040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
93-65-2	MCPP	0.079	U	0.079	0.20	ug/L
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
75-99-0	DALAPON	0.98	U	0.98	2.00	ug/L
94-74-6	MCPA	0.10	U	0.10	0.20	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
87-86-5	Pentachlorophenol	0.70	U	0.70	2.00	ug/L
100-02-7	4-Nitrophenol	0.83	U	0.83	2.00	ug/L
1918-02-1	PICLORAM	0.63	U	0.63	2.00	ug/L
1861-32-1	DCPA	0.82	U	0.82	2.00	ug/L
51-36-5	3,5-DICHLOROBENZOIC AC	0.70	U	0.70	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	497		39 - 175	99%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	04/03/25	
Project:	NJ Waste Water PT			Date Received:	04/03/25	
Client Sample ID:	PIBLK-PS029672.D			SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PS029672.D			Matrix:	WATER	
Analytical Method:	SW8151A			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Herbicide group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	SW3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029672.D	1		04/03/25	ps040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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\PS040325\
Data File : PS029672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 12:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 03 13:22:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	6.960	7.471	1012.4E6	328.9E6	496.536	482.670

Target Compounds

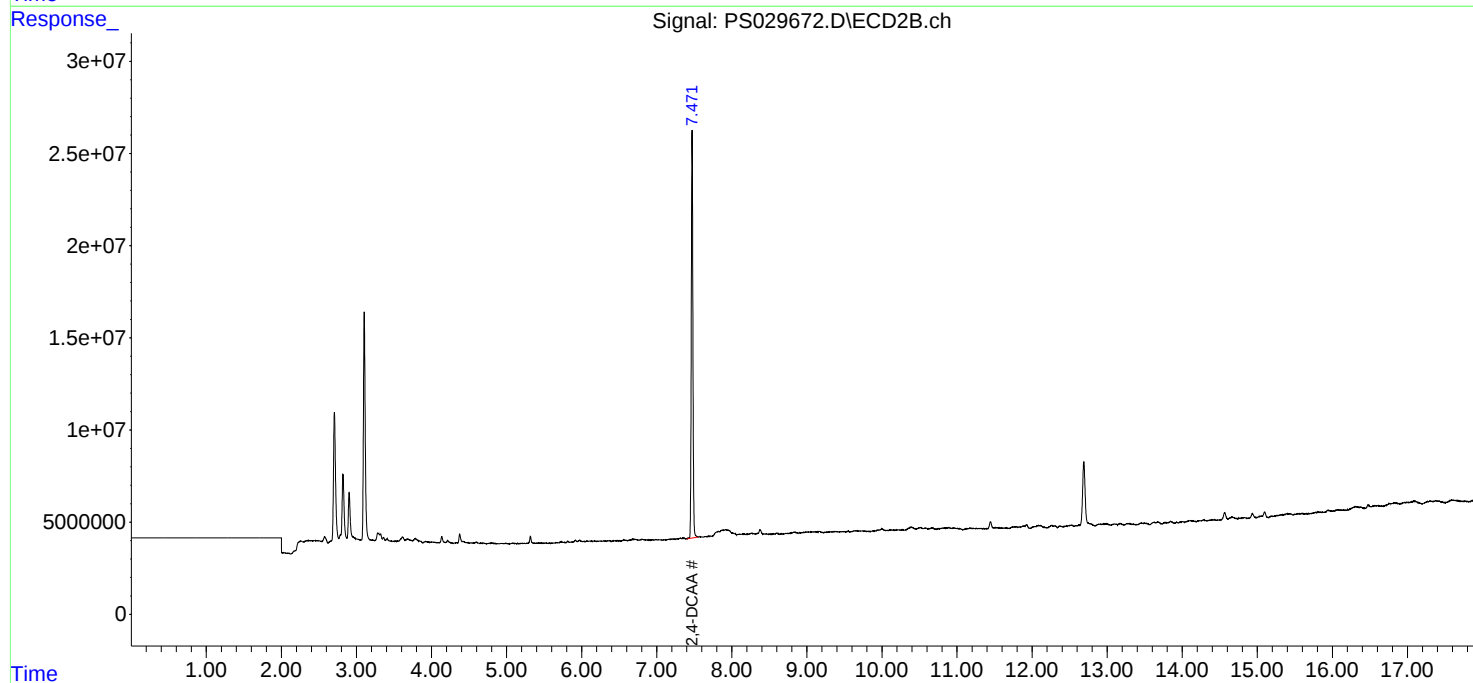
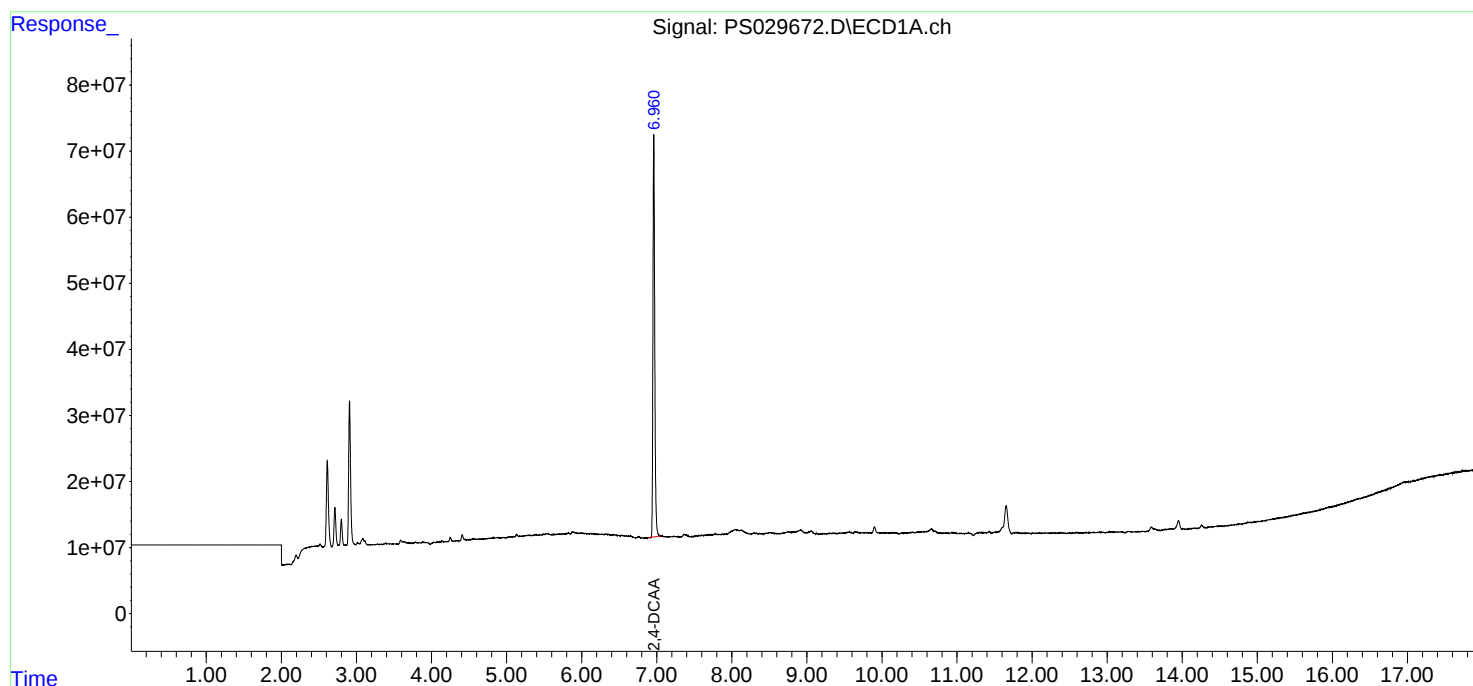
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

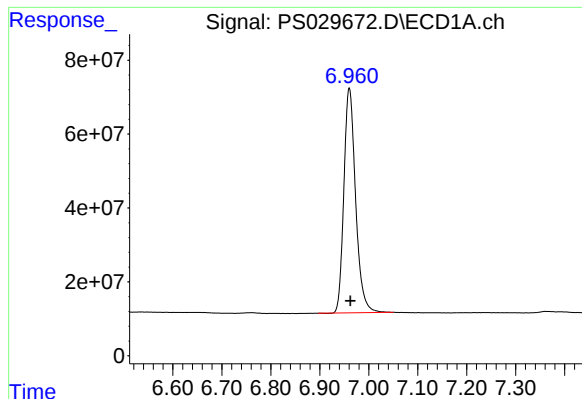
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS040325\
Data File : PS029672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 12:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 03 13:22:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS040225.M
Quant Title : 8080.M
QLast Update : Wed Apr 02 23:52:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

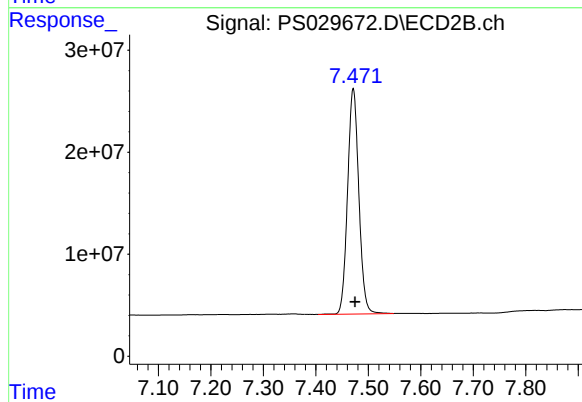




#4 2,4-DCAA

R.T.: 6.960 min
Delta R.T.: -0.002 min
Response: 1012351871
Conc: 496.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.471 min
Delta R.T.: -0.004 min
Response: 328945540
Conc: 482.67 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167229BS	SDG No.:	Q1502
Lab Sample ID:	PB167229BS	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029480.D	1	03/20/25 08:30	03/20/25 16:33	PB167229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
93-65-2	MCPP	0.48		0.079	0.20	ug/L
1918-00-9	DICAMBA	5.10		0.65	2.00	ug/L
75-99-0	DALAPON	4.40		0.98	2.00	ug/L
94-74-6	MCPA	0.47		0.10	0.20	ug/L
120-36-5	DICHLORPROP	5.20		0.76	2.00	ug/L
94-75-7	2,4-D	5.20		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.20		0.78	2.00	ug/L
93-76-5	2,4,5-T	5.30		0.71	2.00	ug/L
94-82-6	2,4-DB	5.00		0.65	2.00	ug/L
88-85-7	DINOSEB	5.30		0.89	2.00	ug/L
87-86-5	Pentachlorophenol	6.20		0.70	2.00	ug/L
100-02-7	4-Nitrophenol	4.70		0.83	2.00	ug/L
1918-02-1	PICLORAM	4.90		0.63	2.00	ug/L
1861-32-1	DCPA	5.40		0.82	2.00	ug/L
51-36-5	3,5-DICHLOROBENZOIC AC	5.00		0.70	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	548		39 - 175	110%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167229BS	SDG No.:	Q1502
Lab Sample ID:	PB167229BS	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029480.D	1	03/20/25 08:30	03/20/25 16:33	PB167229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\PS032025\
 Data File : PS029480.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 16:33
 Operator : AR\AJ
 Sample : PB167229BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB167229BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 21 04:54:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:46:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.150	7.583	2266.8E6	450.5E6	547.794	518.162
Target Compounds							
1) T	Dalapon	2.588	2.631	2336.1E6	884.5E6	416.460	438.267
2) T	3,5-DICHL...	6.334	6.565	2925.5E6	638.0E6	502.795	478.591
3) T	4-Nitroph...	6.955	7.121	878.9E6	341.3E6	466.076	474.138
5) T	DICAMBA	7.330	7.773	9149.0E6	2407.6E6	510.182	469.725
6) T	MCP	7.507	7.876	634.4E6	106.7E6	48.069m	46.149
7) T	MCPA	7.654	8.112	801.7E6	138.4E6	46.509	46.133
8) T	DICHLORPROP	8.030	8.477	2392.6E6	588.8E6	518.140	486.514
9) T	2,4-D	8.263	8.801	2367.5E6	590.8E6	523.366	491.980
10) T	Pentachlo...	8.549	9.311	34596.3E6	11582.6E6	616.451	499.416
11) T	2,4,5-TP ...	9.123	9.687	12886.9E6	4401.5E6	521.575	489.911
12) T	2,4,5-T	9.416	10.100	13226.4E6	3780.9E6	531.012	485.067
13) T	2,4-DB	9.986	10.660	1820.8E6	364.8E6	498.119	484.730
14) T	DINOSEB	11.173	11.032	9232.9E6	2835.2E6	530.414	491.210
15) T	Picloram	10.993	12.100	14778.3E6	5119.8E6	490.575	451.122
16) T	DCPA	11.470	12.059	16050.4E6	5938.0E6	535.803m	496.646m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 16:33
Operator : AR\AJ
Sample : PB167229BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB167229BS

Manual Integrations

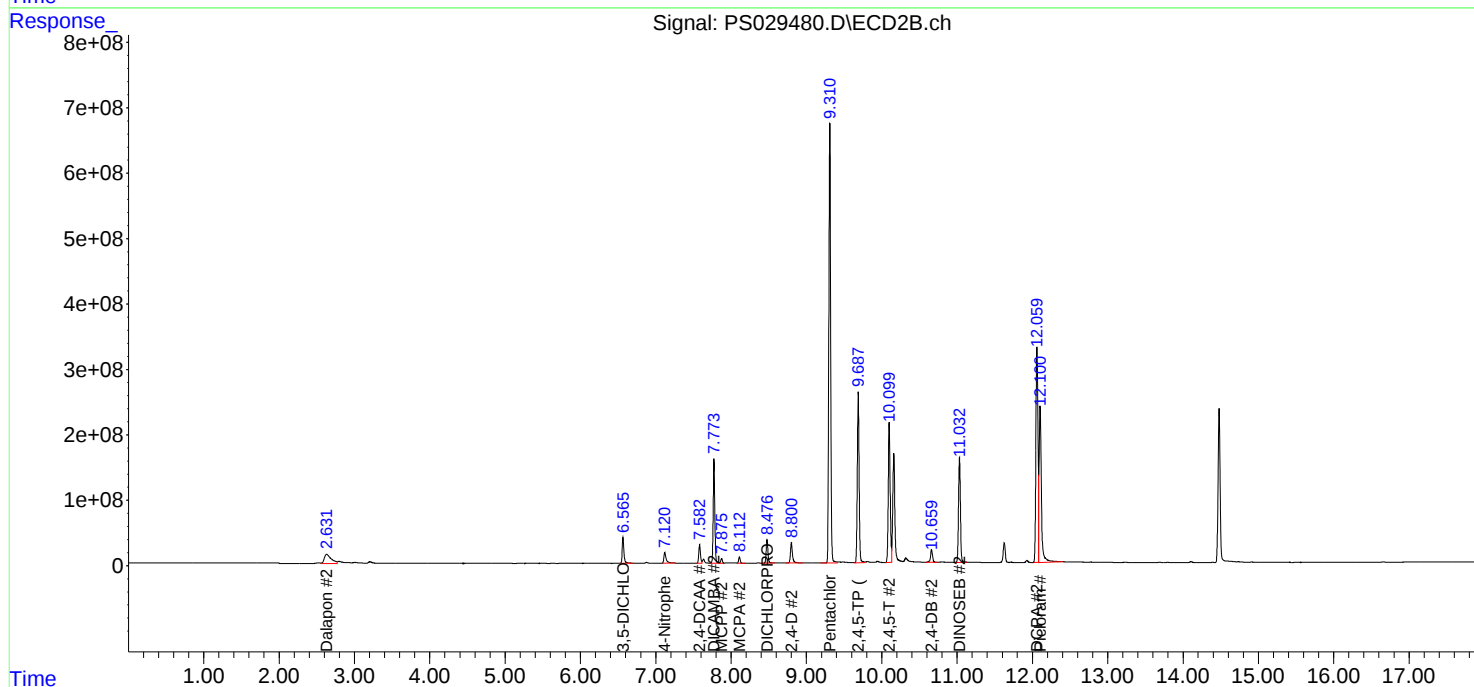
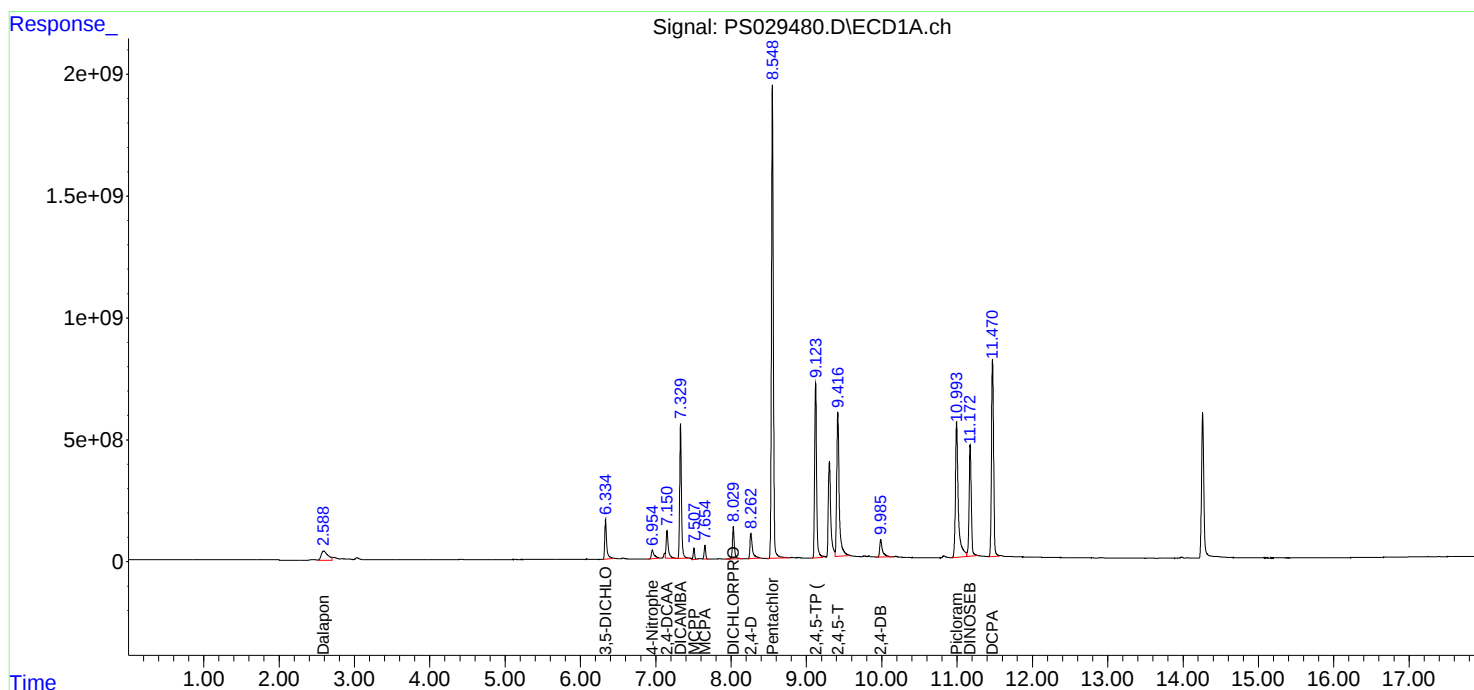
APPROVED

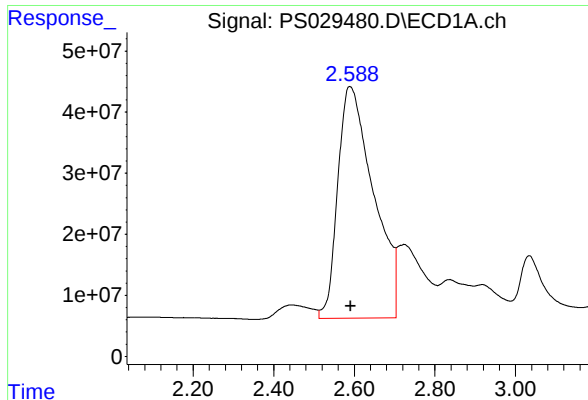
Reviewed By :Abdul Mirza 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 04:54:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:46:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





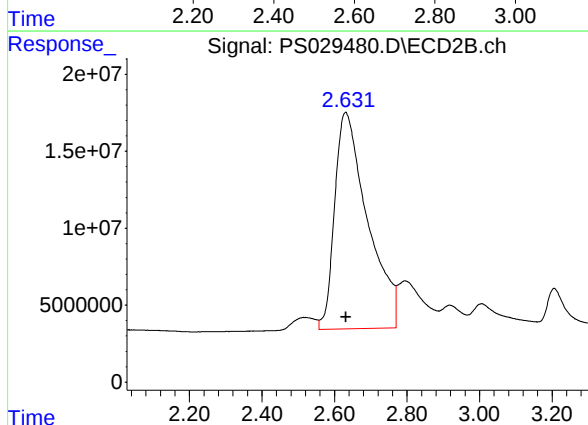
#1 Dalapon

R.T.: 2.588 min
Delta R.T.: -0.003 min
Response: 2336127556
Conc: 416.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BS

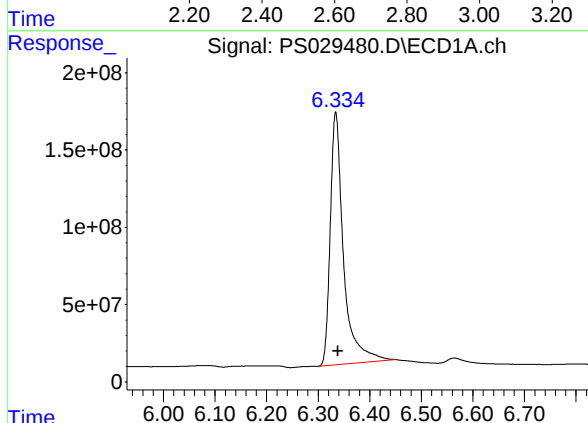
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



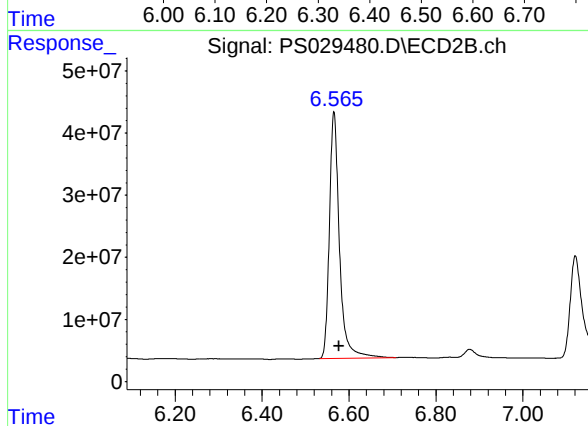
#1 Dalapon

R.T.: 2.631 min
Delta R.T.: 0.000 min
Response: 884538548
Conc: 438.27 ng/ml



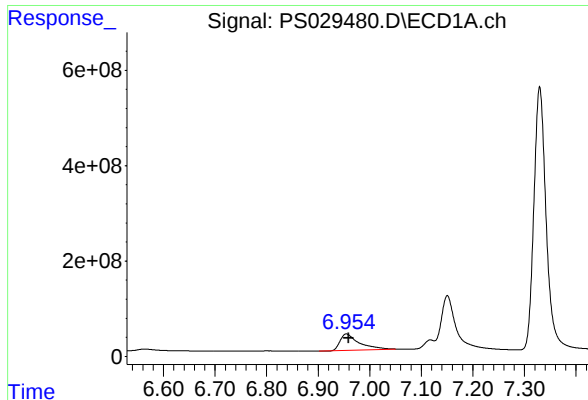
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.334 min
Delta R.T.: -0.004 min
Response: 2925468027
Conc: 502.79 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.565 min
Delta R.T.: -0.011 min
Response: 638022055
Conc: 478.59 ng/ml



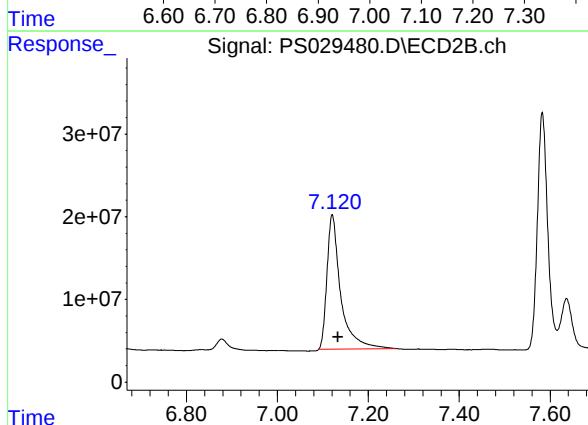
#3 4-Nitrophenol

R.T.: 6.955 min
Delta R.T.: -0.004 min
Response: 878929337
Conc: 466.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BS

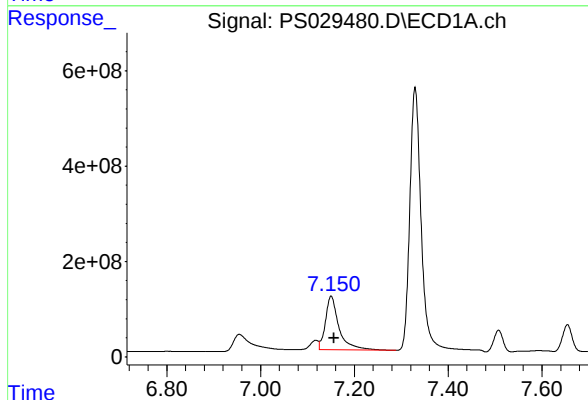
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



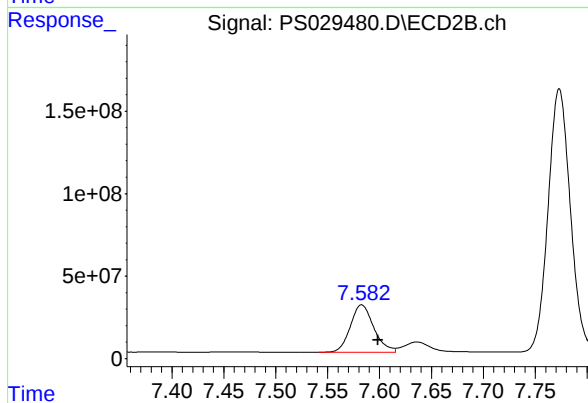
#3 4-Nitrophenol

R.T.: 7.121 min
Delta R.T.: -0.013 min
Response: 341315923
Conc: 474.14 ng/ml



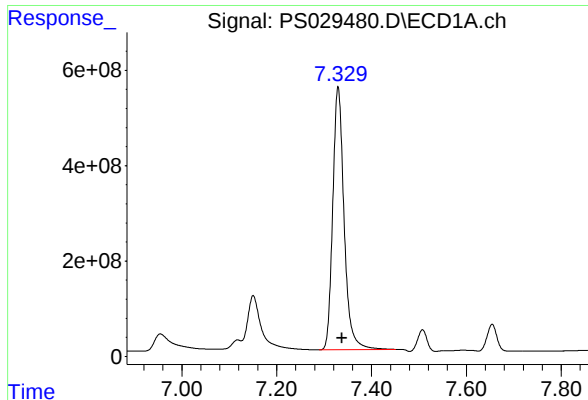
#4 2,4-DCAA

R.T.: 7.150 min
Delta R.T.: -0.007 min
Response: 2266784171
Conc: 547.79 ng/ml



#4 2,4-DCAA

R.T.: 7.583 min
Delta R.T.: -0.016 min
Response: 450536462
Conc: 518.16 ng/ml



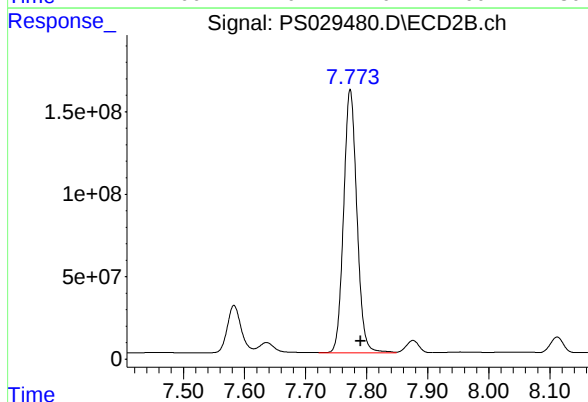
#5 DICAMBA

R.T.: 7.330 min
Delta R.T.: -0.008 min
Response: 9148986002
Conc: 510.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BS

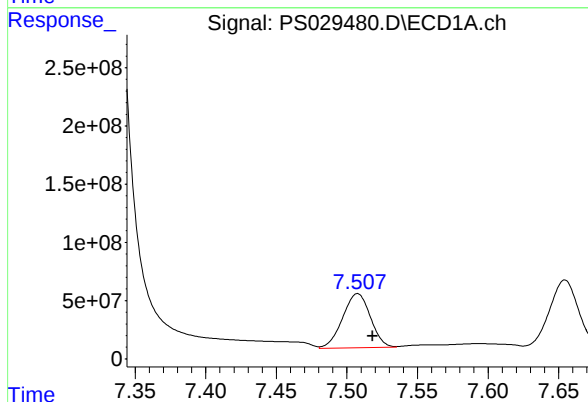
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



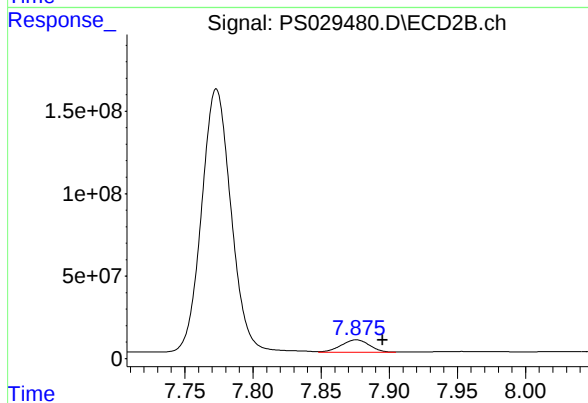
#5 DICAMBA

R.T.: 7.773 min
Delta R.T.: -0.017 min
Response: 2407592982
Conc: 469.73 ng/ml



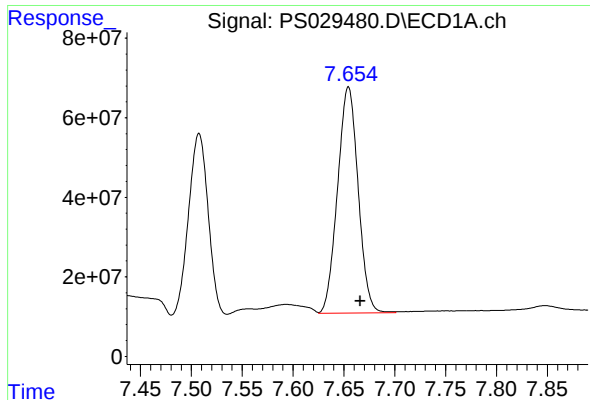
#6 MCPP

R.T.: 7.507 min
Delta R.T.: -0.011 min
Response: 634427611
Conc: 48.07 ug/ml m



#6 MCPP

R.T.: 7.876 min
Delta R.T.: -0.019 min
Response: 106653946
Conc: 46.15 ug/ml



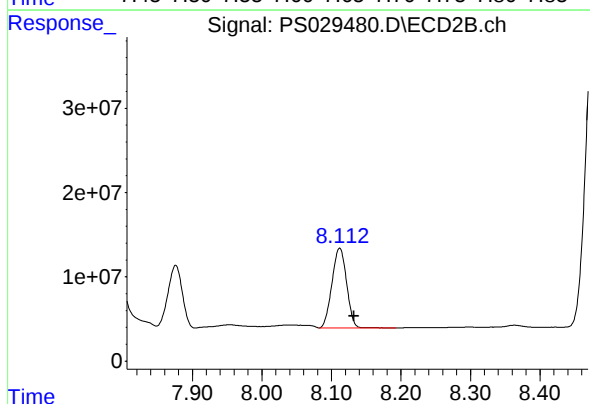
#7 MCPA

R.T.: 7.654 min
Delta R.T.: -0.012 min
Response: 801698326
Conc: 46.51 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BS

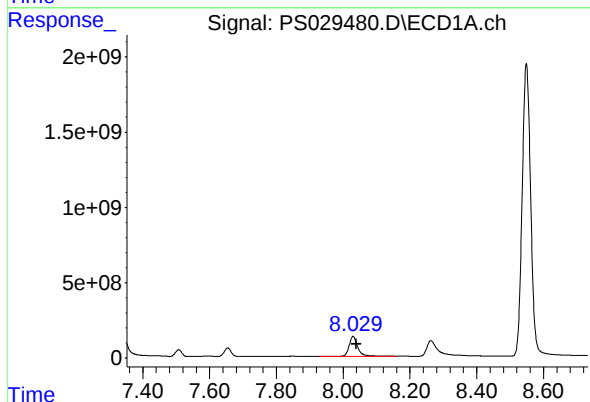
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



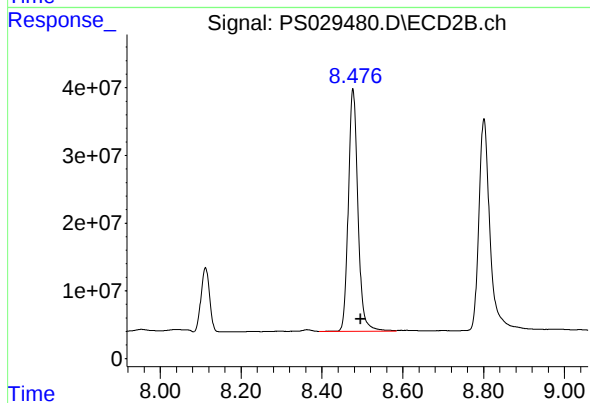
#7 MCPA

R.T.: 8.112 min
Delta R.T.: -0.021 min
Response: 138448233
Conc: 46.13 ug/ml



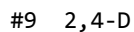
#8 DICHLORPROP

R.T.: 8.030 min
Delta R.T.: -0.009 min
Response: 2392572290
Conc: 518.14 ng/ml



#8 DICHLORPROP

R.T.: 8.477 min
Delta R.T.: -0.019 min
Response: 588819301
Conc: 486.51 ng/ml



R.T.: 8.263 min
Delta R.T.: -0.008 min
Response: 2367485374
Conc: 523.37 ng/ml

Instrument :

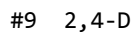
ECD S

ClientSampleId :
PB167229BS

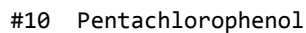
Manual Integrations

APPROVED

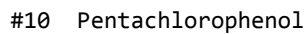
Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



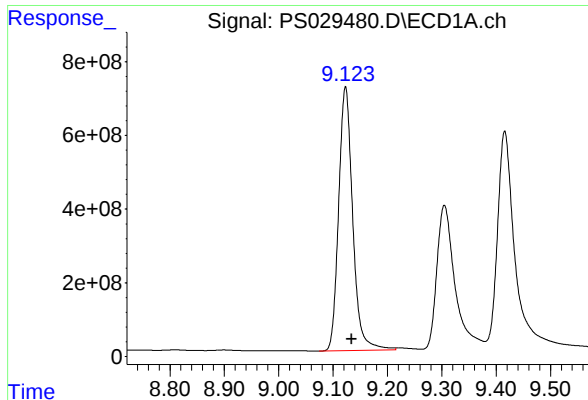
R.T.: 8.801 min
Delta R.T.: -0.019 min
Response: 590751150
Conc: 491.98 ng/ml



R.T.: 8.549 min
Delta R.T.: -0.014 min
Response: 34596292433
Conc: 616.45 ng/ml



R.T.: 9.311 min
Delta R.T.: -0.020 min
Response: 11582643754
Conc: 499.42 ng/ml



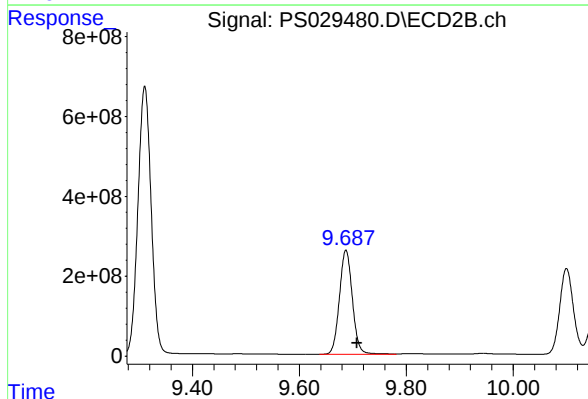
#11 2,4,5-TP (SILVEX)

R.T.: 9.123 min
Delta R.T.: -0.011 min
Response: 12886860367
Conc: 521.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BS

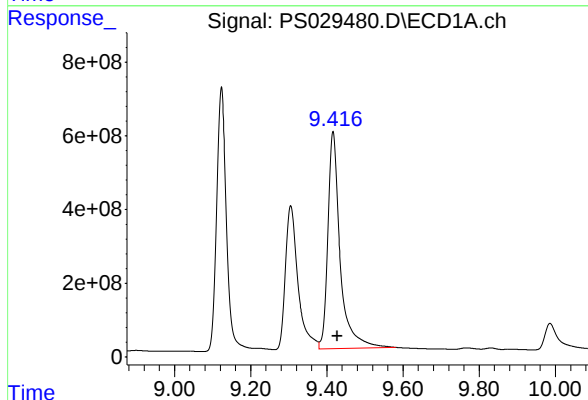
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



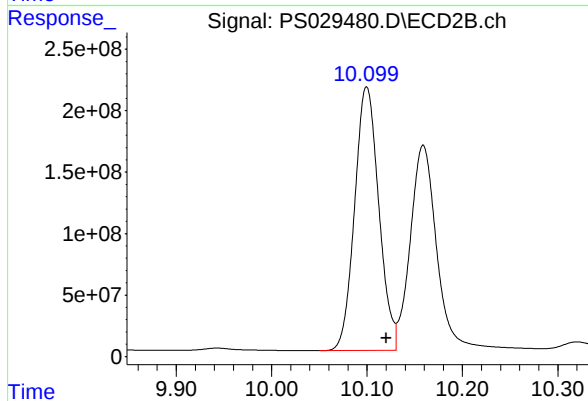
#11 2,4,5-TP (SILVEX)

R.T.: 9.687 min
Delta R.T.: -0.020 min
Response: 4401459293
Conc: 489.91 ng/ml



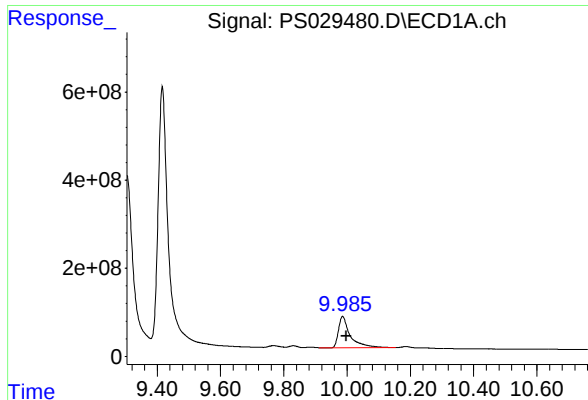
#12 2,4,5-T

R.T.: 9.416 min
Delta R.T.: -0.011 min
Response: 13226446434
Conc: 531.01 ng/ml



#12 2,4,5-T

R.T.: 10.100 min
Delta R.T.: -0.021 min
Response: 3780851263
Conc: 485.07 ng/ml



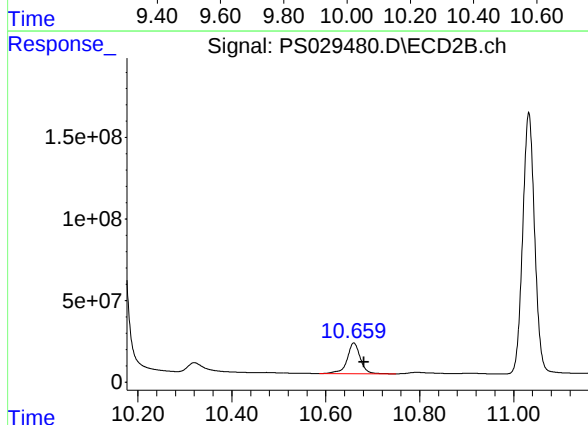
#13 2,4-DB

R.T.: 9.986 min
Delta R.T.: -0.011 min
Response: 1820848430
Conc: 498.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BS

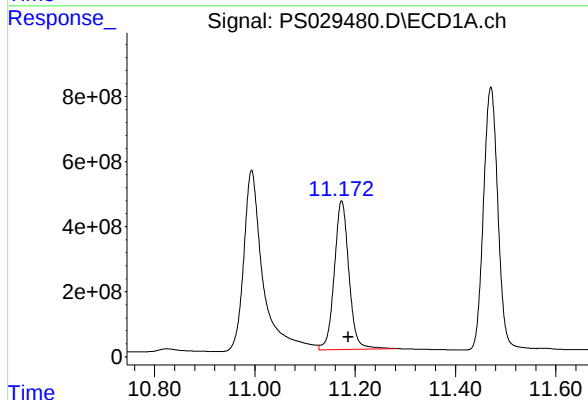
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



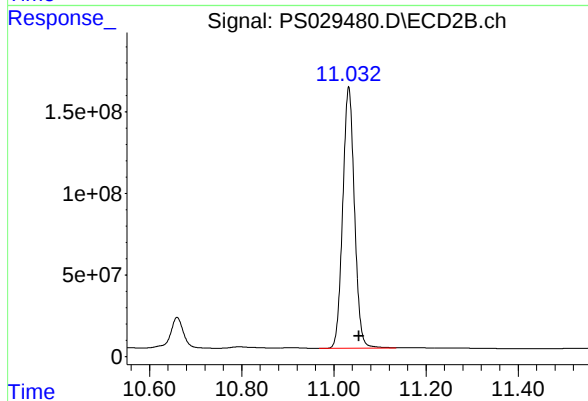
#13 2,4-DB

R.T.: 10.660 min
Delta R.T.: -0.022 min
Response: 364758107
Conc: 484.73 ng/ml



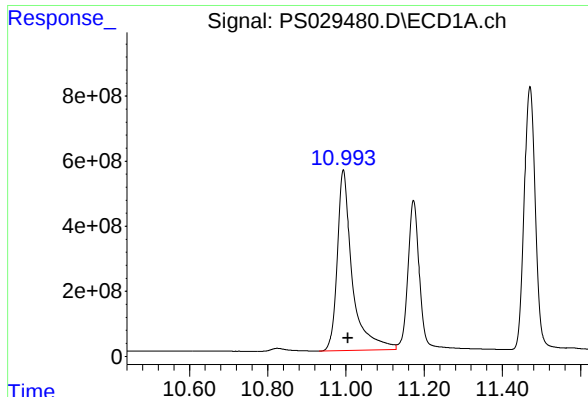
#14 DINOSEB

R.T.: 11.173 min
Delta R.T.: -0.013 min
Response: 9232928026
Conc: 530.41 ng/ml



#14 DINOSEB

R.T.: 11.032 min
Delta R.T.: -0.022 min
Response: 2835179920
Conc: 491.21 ng/ml



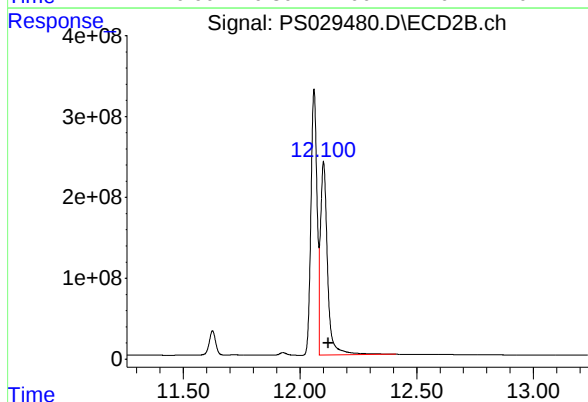
#15 Picloram

R.T.: 10.993 min
Delta R.T.: -0.012 min
Response: 14778339853
Conc: 490.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BS

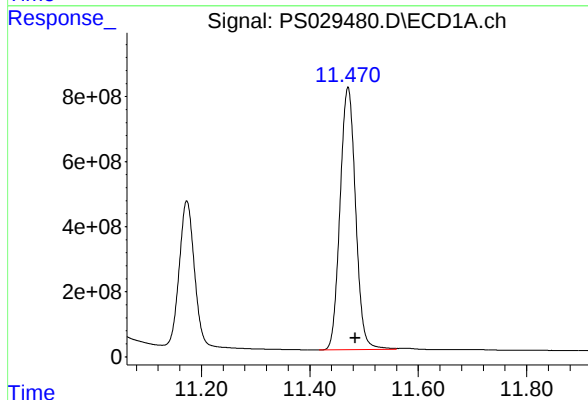
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



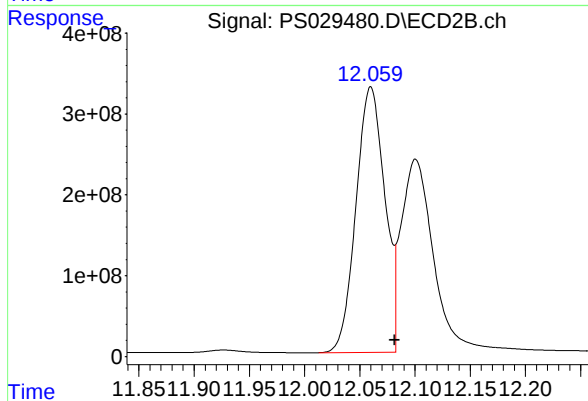
#15 Picloram

R.T.: 12.100 min
Delta R.T.: -0.021 min
Response: 5119762127
Conc: 451.12 ng/ml



#16 DCPA

R.T.: 11.470 min
Delta R.T.: -0.013 min
Response: 16050414736
Conc: 535.80 ng/ml m



#16 DCPA

R.T.: 12.059 min
Delta R.T.: -0.022 min
Response: 5938037677
Conc: 496.65 ng/ml m

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167229BSD	SDG No.:	Q1502
Lab Sample ID:	PB167229BSD	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029481.D	1	03/20/25 08:30	03/20/25 16:57	PB167229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
93-65-2	MCPP	0.46		0.079	0.20	ug/L
1918-00-9	DICAMBA	5.10		0.65	2.00	ug/L
75-99-0	DALAPON	4.40		0.98	2.00	ug/L
94-74-6	MCPA	0.46		0.10	0.20	ug/L
120-36-5	DICHLORPROP	5.10		0.76	2.00	ug/L
94-75-7	2,4-D	5.20		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.20		0.78	2.00	ug/L
93-76-5	2,4,5-T	5.30		0.71	2.00	ug/L
94-82-6	2,4-DB	4.80		0.65	2.00	ug/L
88-85-7	DINOSEB	5.30		0.89	2.00	ug/L
87-86-5	Pentachlorophenol	6.10		0.70	2.00	ug/L
100-02-7	4-Nitrophenol	4.70		0.83	2.00	ug/L
1918-02-1	PICLORAM	4.90		0.63	2.00	ug/L
1861-32-1	DCPA	5.30		0.82	2.00	ug/L
51-36-5	3,5-DICHLOROBENZOIC AC	5.00		0.70	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	542		39 - 175	108%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:		
Project:	NJ Waste Water PT		Date Received:		
Client Sample ID:	PB167229BSD		SDG No.:	Q1502	
Lab Sample ID:	PB167229BSD		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029481.D	1	03/20/25 08:30	03/20/25 16:57	PB167229

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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\PS032025\
 Data File : PS029481.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2025 16:57
 Operator : AR\AJ
 Sample : PB167229BSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB167229BSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 03/21/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 21 04:55:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
 Quant Title : 8080.M
 QLast Update : Fri Mar 21 04:46:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.150	7.583	2241.6E6	445.5E6	541.696	512.348
Target Compounds							
1) T	Dalapon	2.592	2.632	2335.4E6	889.0E6	416.324	440.460
2) T	3,5-DICHL...	6.335	6.566	2892.9E6	632.9E6	497.199	474.756
3) T	4-Nitroph...	6.956	7.121	847.5E6	338.6E6	449.404	470.359
5) T	DICAMBA	7.330	7.774	9061.4E6	2383.8E6	505.300	465.093
6) T	MCPD	7.507	7.876	529.3E6	106.2E6	40.107	45.952
7) T	MCPA	7.654	8.112	792.4E6	138.0E6	45.969	45.973
8) T	DICHLORPROP	8.030	8.477	2374.6E6	582.2E6	514.239	481.060
9) T	2,4-D	8.263	8.801	2337.4E6	583.2E6	516.709	485.716
10) T	Pentachlo...	8.549	9.310	34214.9E6	11455.5E6	609.654	493.935
11) T	2,4,5-TP ...	9.122	9.687	12765.6E6	4355.2E6	516.669	484.759
12) T	2,4,5-T	9.416	10.100	13099.4E6	3731.7E6	525.910	478.766
13) T	2,4-DB	9.986	10.660	1763.3E6	360.7E6	482.373	479.392
14) T	DINOSEB	11.173	11.032	9141.5E6	2795.6E6	525.160	484.355
15) T	Picloram	10.993	12.101	14898.9E6	5172.0E6	494.578	455.729
16) T	DCPA	11.468	12.059	15962.9E6	5993.5E6	532.883m	501.284m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS032025\
Data File : PS029481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2025 16:57
Operator : AR\AJ
Sample : PB167229BSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

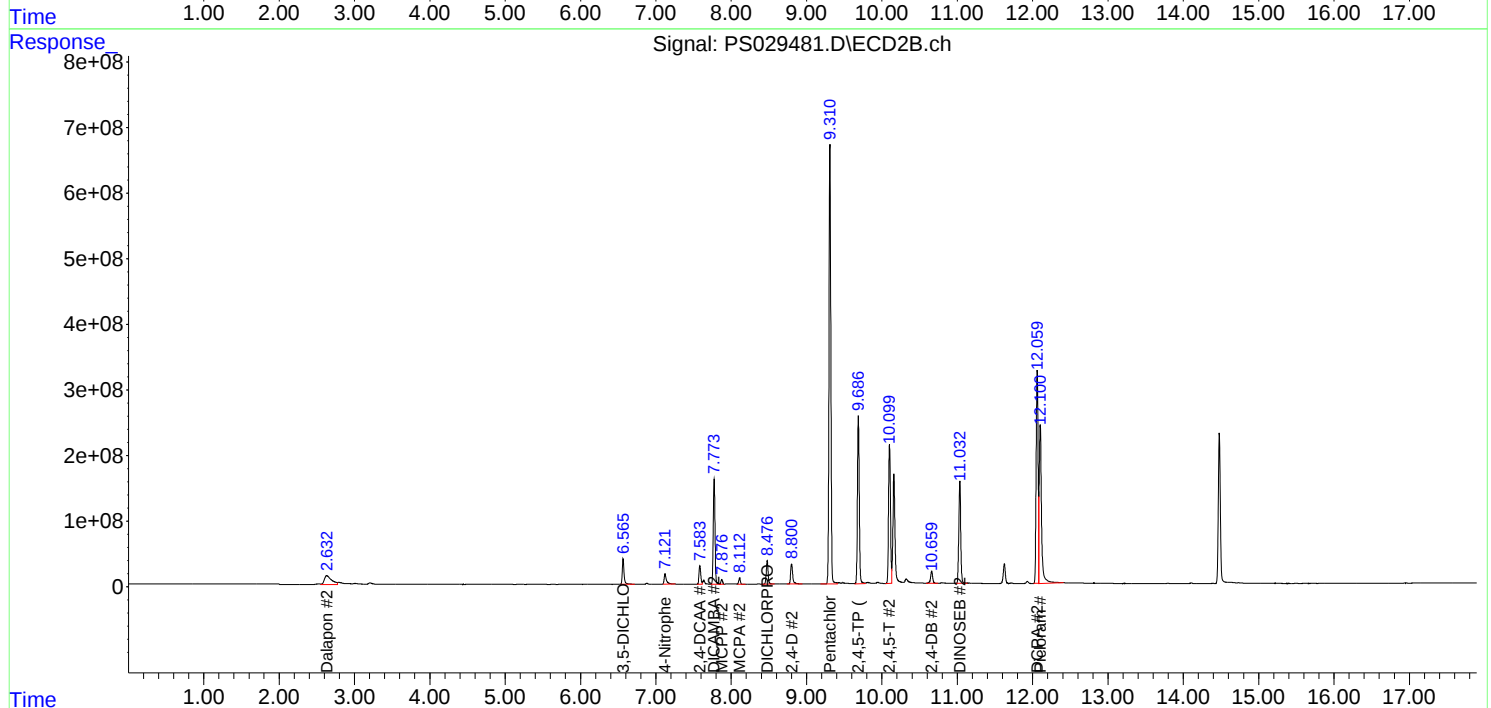
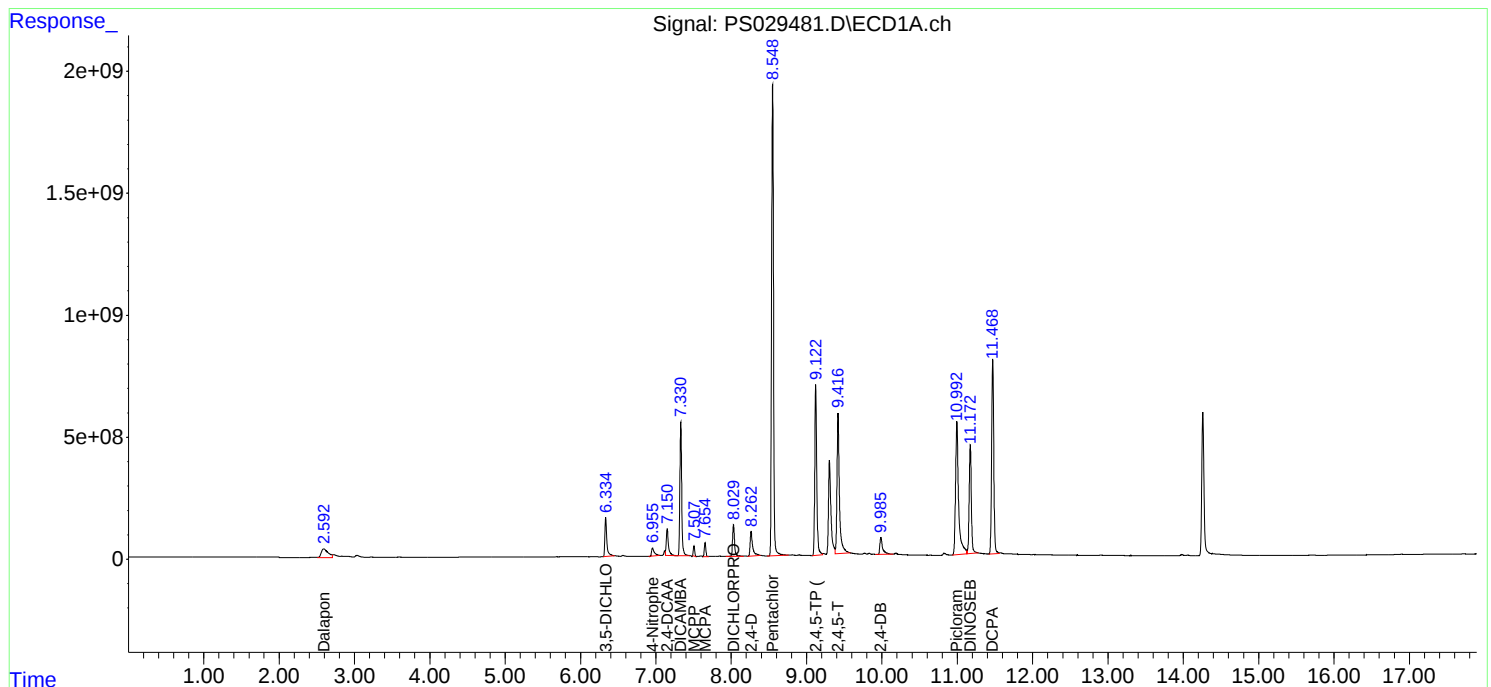
Instrument :
ECD_S
ClientSampleId :
PB167229BSD

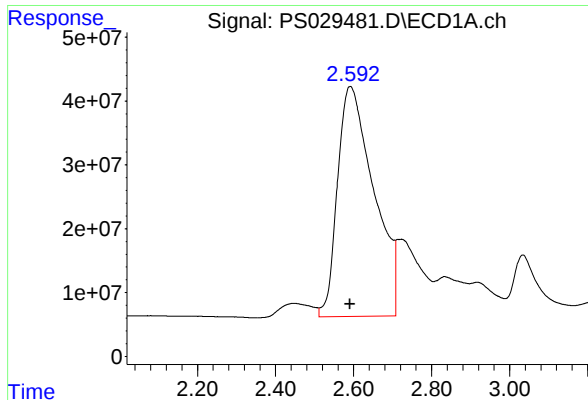
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/21/2025
Supervised By : mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 21 04:55:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS032025.M
Quant Title : 8080.M
QLast Update : Fri Mar 21 04:46:07 2025
Response via : Initial 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





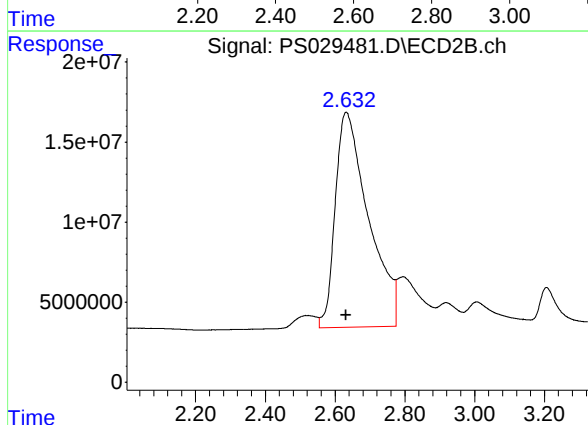
#1 Dalapon

R.T.: 2.592 min
Delta R.T.: 0.000 min
Response: 2335364017
Conc: 416.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BSD

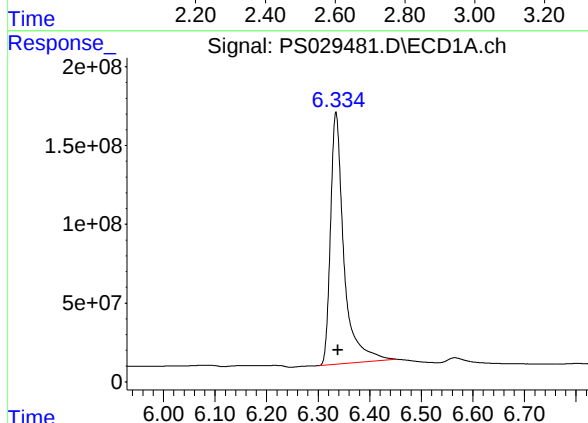
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



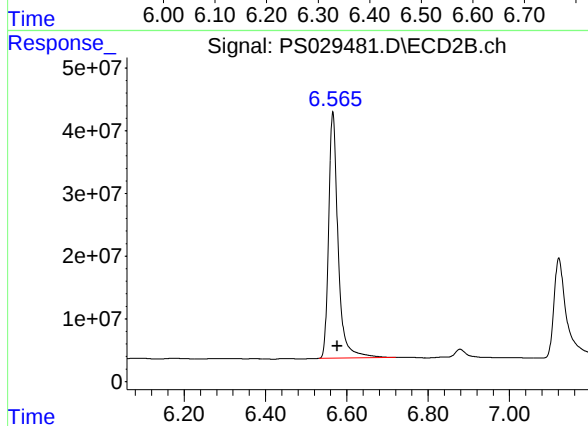
#1 Dalapon

R.T.: 2.632 min
Delta R.T.: 0.000 min
Response: 888964113
Conc: 440.46 ng/ml



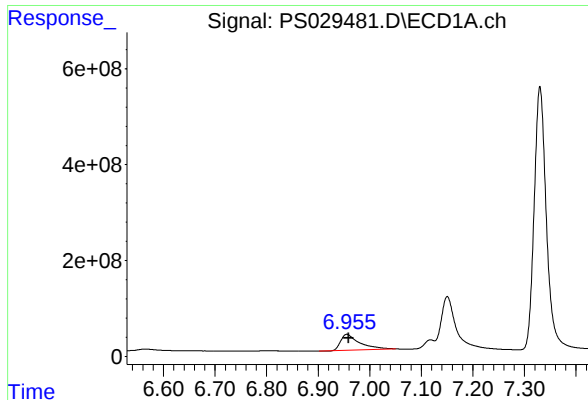
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.335 min
Delta R.T.: -0.004 min
Response: 2892907013
Conc: 497.20 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.566 min
Delta R.T.: -0.011 min
Response: 632909752
Conc: 474.76 ng/ml



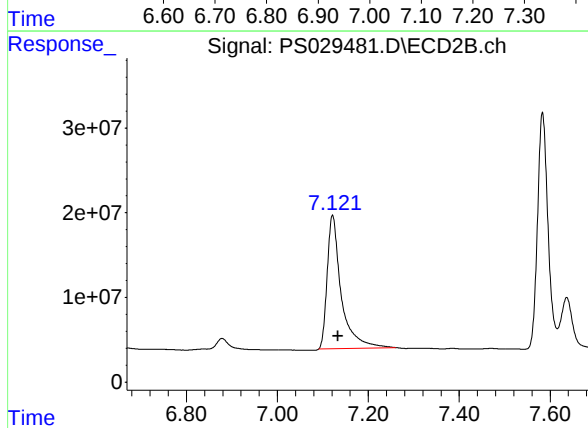
#3 4-Nitrophenol

R.T.: 6.956 min
Delta R.T.: -0.003 min
Response: 847488378
Conc: 449.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BSD

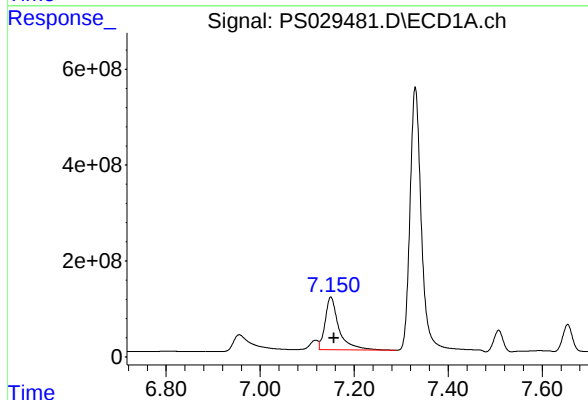
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



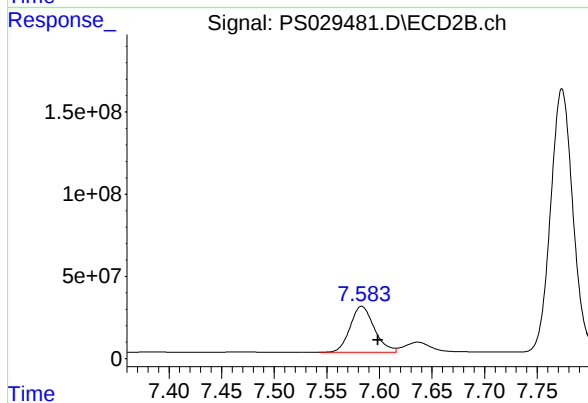
#3 4-Nitrophenol

R.T.: 7.121 min
Delta R.T.: -0.012 min
Response: 338595765
Conc: 470.36 ng/ml



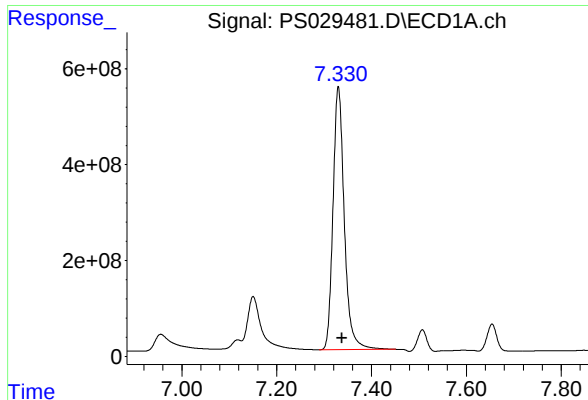
#4 2,4-DCAA

R.T.: 7.150 min
Delta R.T.: -0.007 min
Response: 2241551445
Conc: 541.70 ng/ml



#4 2,4-DCAA

R.T.: 7.583 min
Delta R.T.: -0.015 min
Response: 445481331
Conc: 512.35 ng/ml



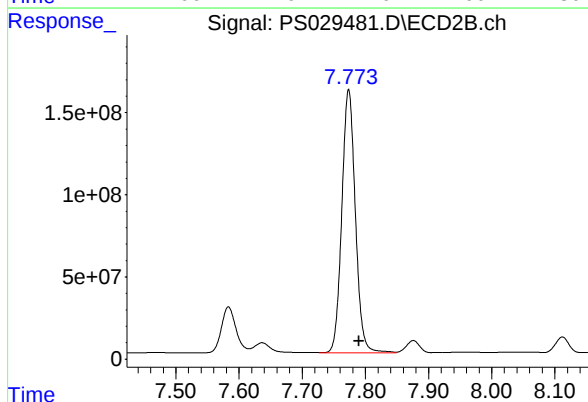
#5 DICAMBA

R.T.: 7.330 min
Delta R.T.: -0.008 min
Response: 9061436540
Conc: 505.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BSD

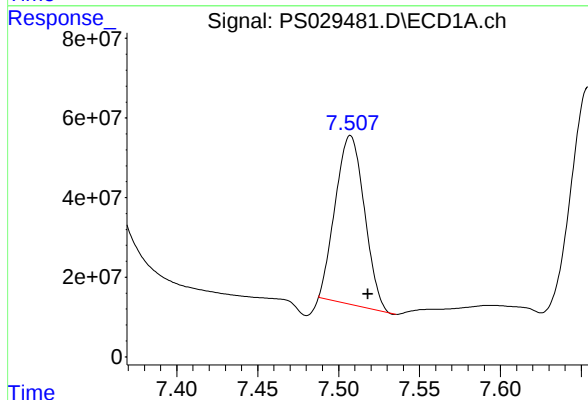
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



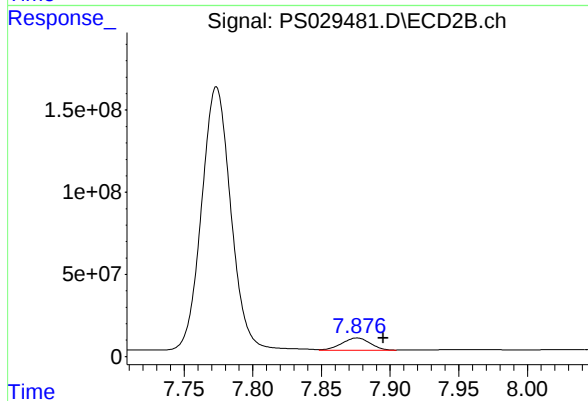
#5 DICAMBA

R.T.: 7.774 min
Delta R.T.: -0.017 min
Response: 2383847787
Conc: 465.09 ng/ml



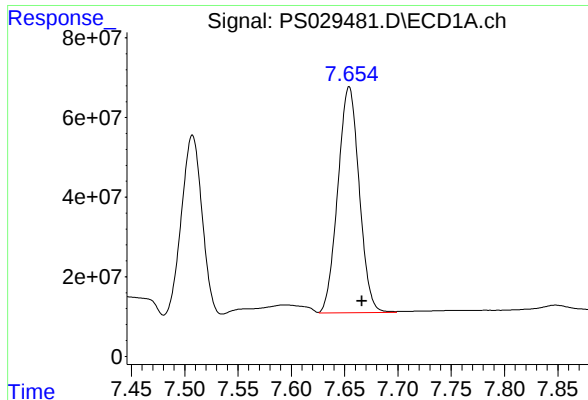
#6 MCPP

R.T.: 7.507 min
Delta R.T.: -0.011 min
Response: 529341337
Conc: 40.11 ug/ml



#6 MCPP

R.T.: 7.876 min
Delta R.T.: -0.019 min
Response: 106198045
Conc: 45.95 ug/ml



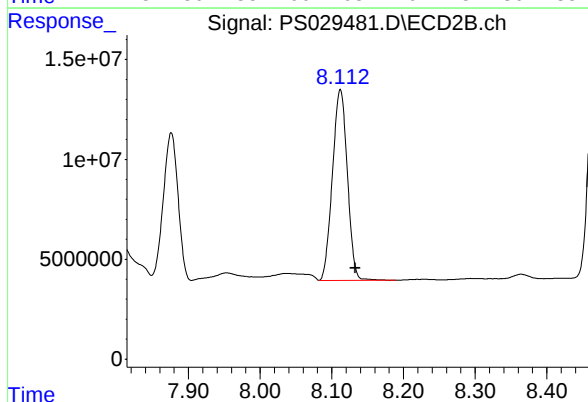
#7 MCPA

R.T.: 7.654 min
Delta R.T.: -0.012 min
Response: 792378025
Conc: 45.97 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BSD

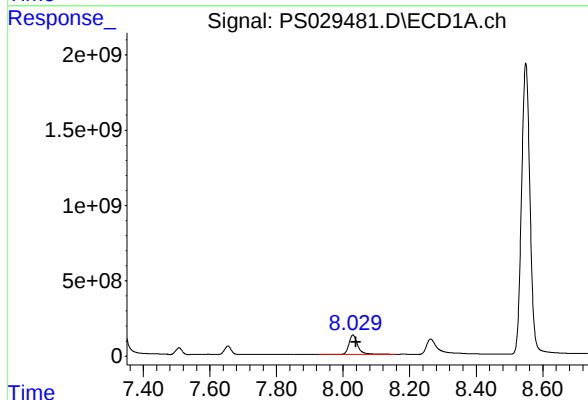
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



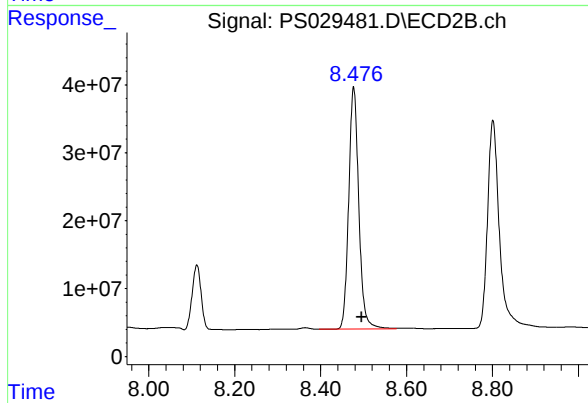
#7 MCPA

R.T.: 8.112 min
Delta R.T.: -0.021 min
Response: 137966719
Conc: 45.97 ug/ml



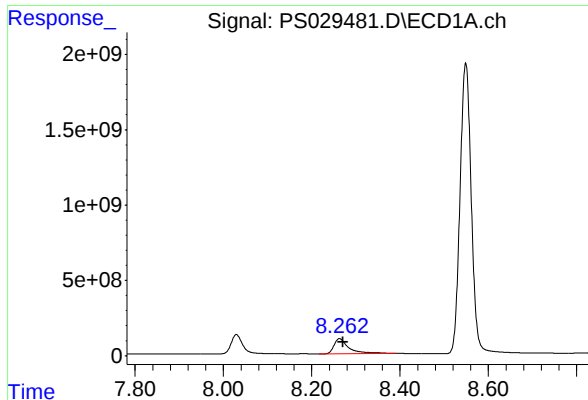
#8 DICHLORPROP

R.T.: 8.030 min
Delta R.T.: -0.009 min
Response: 2374560441
Conc: 514.24 ng/ml



#8 DICHLORPROP

R.T.: 8.477 min
Delta R.T.: -0.019 min
Response: 582217589
Conc: 481.06 ng/ml



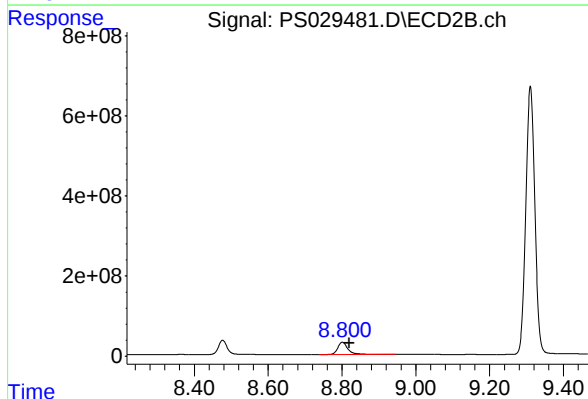
#9 2,4-D

R.T.: 8.263 min
Delta R.T.: -0.008 min
Response: 2337371178
Conc: 516.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BSD

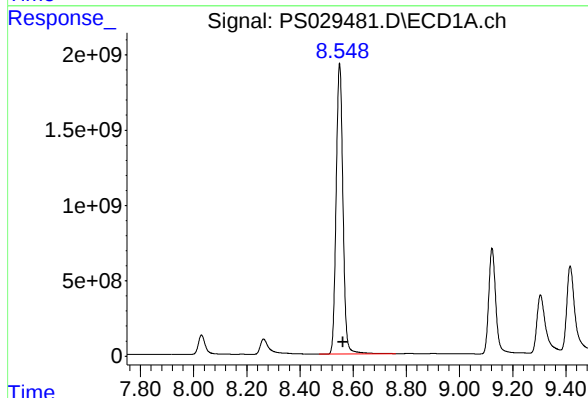
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



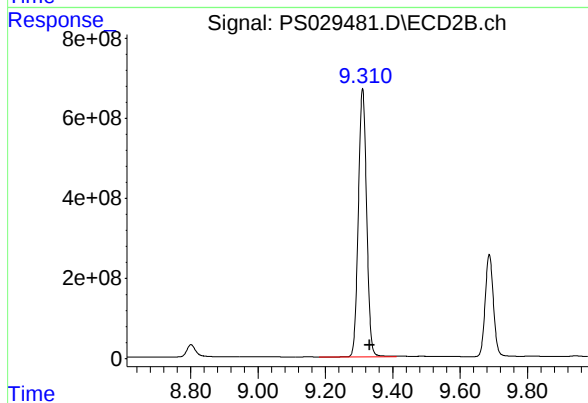
#9 2,4-D

R.T.: 8.801 min
Delta R.T.: -0.019 min
Response: 583229432
Conc: 485.72 ng/ml



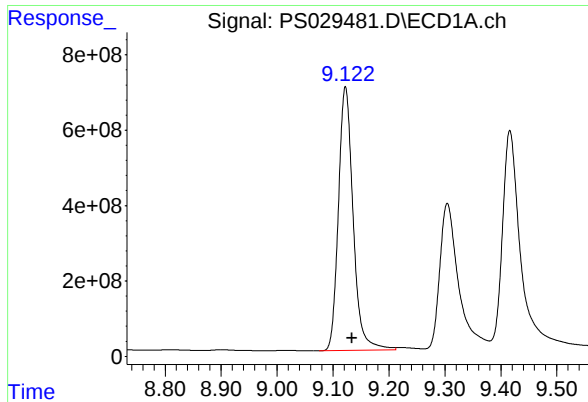
#10 Pentachlorophenol

R.T.: 8.549 min
Delta R.T.: -0.013 min
Response: 34214877846
Conc: 609.65 ng/ml



#10 Pentachlorophenol

R.T.: 9.310 min
Delta R.T.: -0.021 min
Response: 11455525483
Conc: 493.93 ng/ml



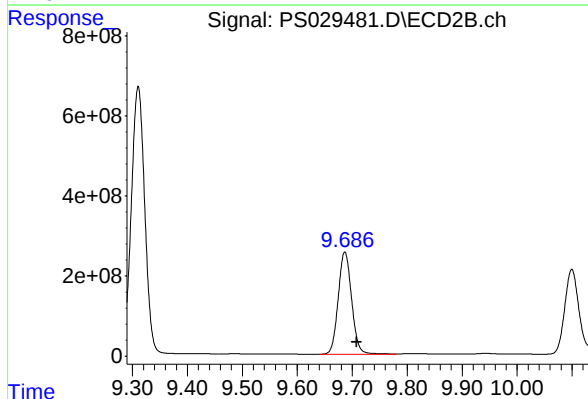
#11 2,4,5-TP (SILVEX)

R.T.: 9.122 min
Delta R.T.: -0.012 min
Response: 12765647459
Conc: 516.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BSD

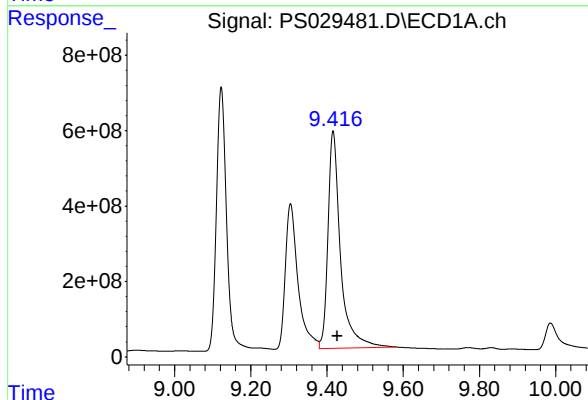
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



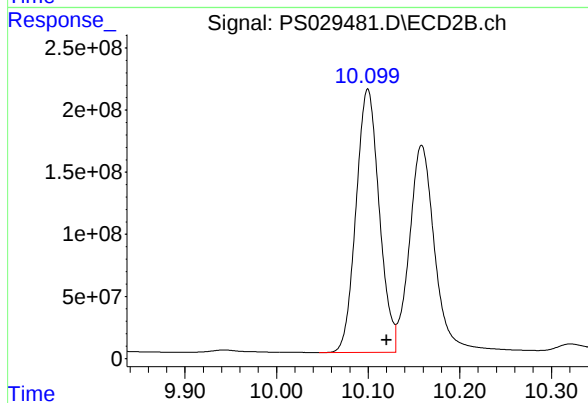
#11 2,4,5-TP (SILVEX)

R.T.: 9.687 min
Delta R.T.: -0.021 min
Response: 4355178866
Conc: 484.76 ng/ml



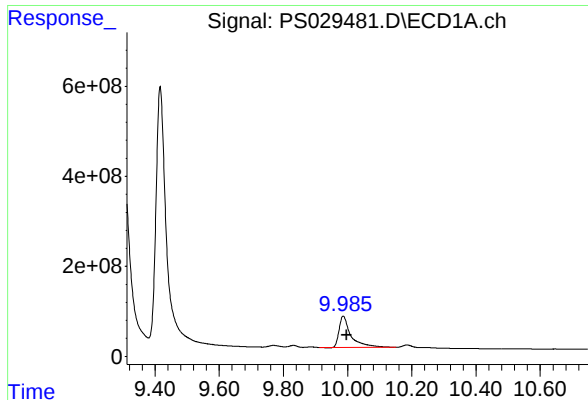
#12 2,4,5-T

R.T.: 9.416 min
Delta R.T.: -0.011 min
Response: 13099377255
Conc: 525.91 ng/ml



#12 2,4,5-T

R.T.: 10.100 min
Delta R.T.: -0.021 min
Response: 3731737776
Conc: 478.77 ng/ml



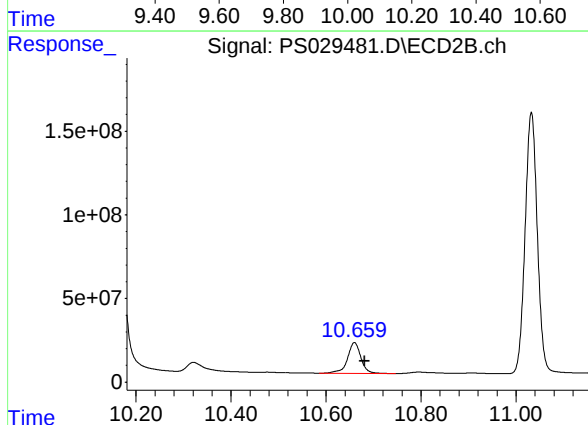
#13 2,4-DB

R.T.: 9.986 min
Delta R.T.: -0.011 min
Response: 1763290770
Conc: 482.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BSD

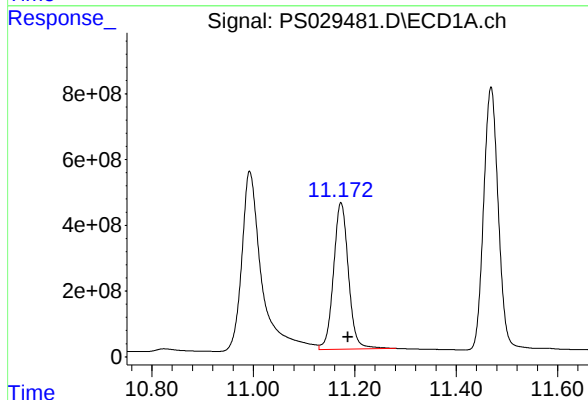
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



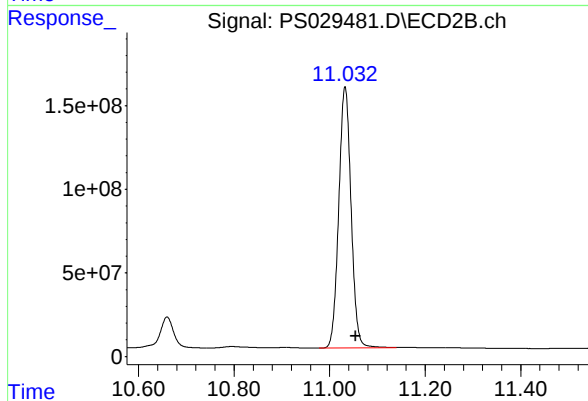
#13 2,4-DB

R.T.: 10.660 min
Delta R.T.: -0.021 min
Response: 360741930
Conc: 479.39 ng/ml



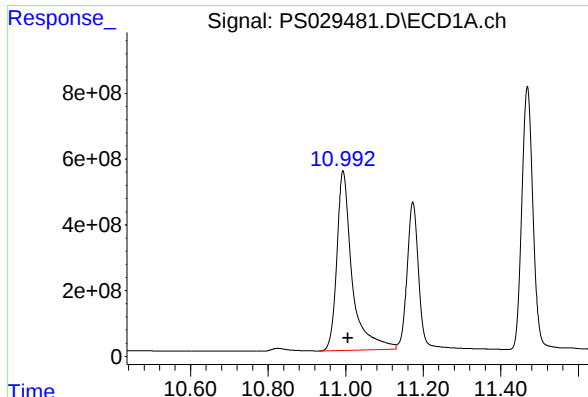
#14 DINOSEB

R.T.: 11.173 min
Delta R.T.: -0.014 min
Response: 9141458419
Conc: 525.16 ng/ml



#14 DINOSEB

R.T.: 11.032 min
Delta R.T.: -0.022 min
Response: 2795618135
Conc: 484.36 ng/ml



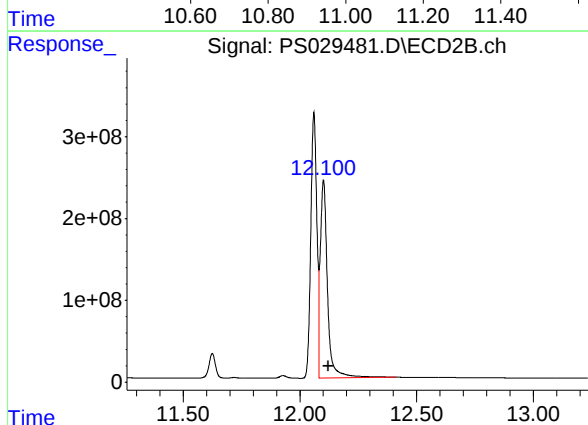
#15 Picloram

R.T.: 10.993 min
Delta R.T.: -0.012 min
Response: 14898943545
Conc: 494.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167229BSD

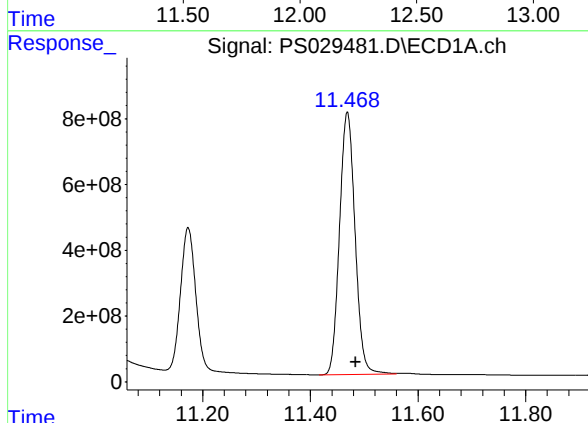
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



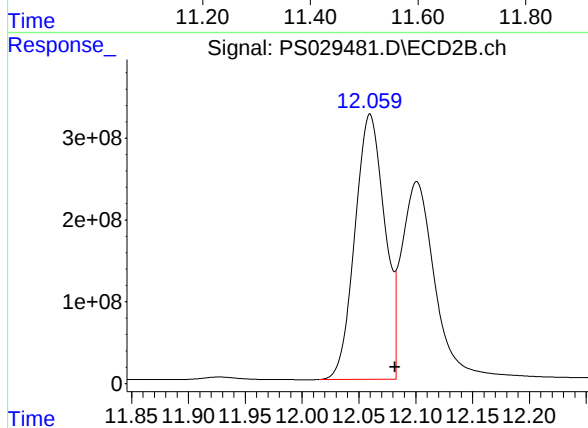
#15 Picloram

R.T.: 12.101 min
Delta R.T.: -0.021 min
Response: 5172045509
Conc: 455.73 ng/ml



#16 DCPA

R.T.: 11.468 min
Delta R.T.: -0.015 min
Response: 15962918977
Conc: 532.88 ng/ml m



#16 DCPA

R.T.: 12.059 min
Delta R.T.: -0.022 min
Response: 5993494804
Conc: 501.28 ng/ml m

Manual Integration Report

Sequence:	PS032025	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS029471.D	4-Nitrophenol	Abdul	3/21/2025 8:45:20 AM	mohammad	3/24/2025 3:03:28	Peak Integrated by Software
PB167229BS	PS029480.D	DCPA	Abdul	3/21/2025 8:45:31 AM	mohammad	3/24/2025 3:03:28	Peak Integrated by Software
PB167229BS	PS029480.D	DCPA #2	Abdul	3/21/2025 8:45:31 AM	mohammad	3/24/2025 3:03:28	Peak Integrated by Software
PB167229BS	PS029480.D	MCPD	Abdul	3/21/2025 8:45:31 AM	mohammad	3/24/2025 3:03:28	Peak Integrated by Software
PB167229BSD	PS029481.D	DCPA	Abdul	3/21/2025 8:45:40 AM	mohammad	3/24/2025 3:03:28	Peak Integrated by Software
PB167229BSD	PS029481.D	DCPA #2	Abdul	3/21/2025 8:45:40 AM	mohammad	3/24/2025 3:03:28	Peak Integrated by Software
HSTDCCC750	PS029486.D	DCPA	Abdul	3/21/2025 8:46:05 AM	mohammad	3/24/2025 3:03:28	Peak Integrated by Software
HSTDCCC750	PS029486.D	DCPA #2	Abdul	3/21/2025 8:46:05 AM	mohammad	3/24/2025 3:03:28	Peak Integrated by Software

Manual Integration Report

Sequence:

PS040225

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC750	PS029659.D	DCPA #2	Abdul	4/3/2025 9:24:54 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICC750	PS029659.D	Picloram #2	Abdul	4/3/2025 9:24:54 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICC1000	PS029660.D	DCPA #2	Abdul	4/3/2025 9:24:59 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICC1000	PS029660.D	Picloram #2	Abdul	4/3/2025 9:24:59 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICC1500	PS029661.D	DCPA #2	Abdul	4/3/2025 9:25:02 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICC1500	PS029661.D	Picloram #2	Abdul	4/3/2025 9:25:02 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICV750	PS029662.D	DCPA #2	Abdul	4/3/2025 9:25:06 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software
HSTDICV750	PS029662.D	Picloram #2	Abdul	4/3/2025 9:25:06 AM	mohammad	4/4/2025 7:53:55	Peak Integrated by Software

Manual Integration Report

Sequence:

ps040325

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS029666.D	DCPA #2	Abdul	4/3/2025 12:16:03 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029666.D	Picloram #2	Abdul	4/3/2025 12:16:03 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
Q1502-17	PS029670.D	2,4-DB	Abdul	4/3/2025 12:16:16 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
Q1502-17	PS029670.D	DCPA #2	Abdul	4/3/2025 12:16:16 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
Q1502-17	PS029670.D	Picloram #2	Abdul	4/3/2025 12:16:16 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029683.D	DCPA #2	Abdul	4/4/2025 1:02:56 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029683.D	Picloram #2	Abdul	4/4/2025 1:02:56 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029693.D	DCPA #2	Abdul	4/4/2025 1:03:18 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029693.D	Picloram #2	Abdul	4/4/2025 1:03:18 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029701.D	DCPA	Abdul	4/4/2025 1:03:32 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029701.D	DCPA #2	Abdul	4/4/2025 1:03:32 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029701.D	Picloram	Abdul	4/4/2025 1:03:32 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software
HSTDCCC750	PS029701.D	Picloram #2	Abdul	4/4/2025 1:03:32 PM	mohammad	4/5/2025 3:48:57	Peak Integrated by Software



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

Manual Integration Report

Sequence:

ps040325

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 # PS032025

Review By	Abdul	Review On	3/21/2025 8:46:36 AM
Supervise By	mohammad	Supervise On	3/24/2025 3:03:28 AM
SubDirectory	PS032025	HP Acquire Method	HP Processing Method ps032025 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029469.D	20 Mar 2025 11:19	AR\AJ	Ok
2	I.BLK	PS029470.D	20 Mar 2025 11:43	AR\AJ	Ok
3	HSTDICC200	PS029471.D	20 Mar 2025 12:07	AR\AJ	Ok,M
4	HSTDICC500	PS029472.D	20 Mar 2025 12:31	AR\AJ	Ok
5	HSTDICC750	PS029473.D	20 Mar 2025 12:55	AR\AJ	Ok
6	HSTDICC1000	PS029474.D	20 Mar 2025 13:19	AR\AJ	Ok
7	HSTDICC1500	PS029475.D	20 Mar 2025 13:43	AR\AJ	Ok
8	HSTDICV750	PS029476.D	20 Mar 2025 14:07	AR\AJ	Ok
9	I.BLK	PS029477.D	20 Mar 2025 14:31	AR\AJ	Ok
10	HSTDCCC750	PS029478.D	20 Mar 2025 14:55	AR\AJ	Ok
11	PB167229BL	PS029479.D	20 Mar 2025 16:09	AR\AJ	Ok
12	PB167229BS	PS029480.D	20 Mar 2025 16:33	AR\AJ	Ok,M
13	PB167229BSD	PS029481.D	20 Mar 2025 16:57	AR\AJ	Ok,M
14	Q1502-17	PS029482.D	20 Mar 2025 17:21	AR\AJ	Not Ok
15	Q1604-02	PS029483.D	20 Mar 2025 17:45	AR\AJ	Ok
16	Q1606-11	PS029484.D	20 Mar 2025 18:09	AR\AJ	Not Ok
17	I.BLK	PS029485.D	20 Mar 2025 18:33	AR\AJ	Ok
18	HSTDCCC750	PS029486.D	20 Mar 2025 18:57	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040225

Review By	Abdul	Review On	4/3/2025 9:25:38 AM
Supervise By	mohammad	Supervise On	4/4/2025 7:53:55 AM
SubDirectory	PS040225	HP Acquire Method	HP Processing Method ps040225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029655.D	02 Apr 2025 16:20	AR\AJ	Ok
2	I.BLK	PS029656.D	02 Apr 2025 16:44	AR\AJ	Ok
3	HSTDICC200	PS029657.D	02 Apr 2025 17:32	AR\AJ	Ok
4	HSTDICC500	PS029658.D	02 Apr 2025 17:56	AR\AJ	Ok
5	HSTDICC750	PS029659.D	02 Apr 2025 18:44	AR\AJ	Ok,M
6	HSTDICC1000	PS029660.D	02 Apr 2025 19:32	AR\AJ	Ok,M
7	HSTDICC1500	PS029661.D	02 Apr 2025 20:44	AR\AJ	Ok,M
8	HSTDICV750	PS029662.D	02 Apr 2025 21:32	AR\AJ	Ok,M
9	I.BLK	PS029663.D	02 Apr 2025 21:56	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040325

Review By	Abdul	Review On	4/3/2025 12:16:42 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:48:57 AM
SubDirectory	PS040325	HP Acquire Method	HP Processing Method ps040225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029664.D	03 Apr 2025 08:26	AR\AJ	Ok
2	I.BLK	PS029665.D	03 Apr 2025 08:50	AR\AJ	Ok
3	HSTDCCC750	PS029666.D	03 Apr 2025 09:14	AR\AJ	Ok,M
4	PB167229BS	PS029667.D	03 Apr 2025 09:48	AR\AJ	Not Ok
5	PB167229BSD	PS029668.D	03 Apr 2025 10:12	AR\AJ	Not Ok
6	PB167229BL	PS029669.D	03 Apr 2025 10:36	AR\AJ	Not Ok
7	Q1502-17	PS029670.D	03 Apr 2025 11:06	AR\AJ	Ok,M
8	Q1672-01	PS029671.D	03 Apr 2025 11:30	AR\AJ	Ok,M
9	I.BLK	PS029672.D	03 Apr 2025 12:08	AR\AJ	Ok
10	HSTDCCC750	PS029673.D	03 Apr 2025 12:32	AR\AJ	Ok
11	PB167396BL	PS029674.D	03 Apr 2025 13:18	AR\AJ	Ok,M
12	PB167396BS	PS029675.D	03 Apr 2025 13:42	AR\AJ	Ok,M
13	Q1671-01	PS029676.D	03 Apr 2025 14:06	AR\AJ	Ok,M
14	Q1671-01MS	PS029677.D	03 Apr 2025 14:30	AR\AJ	Ok,M
15	Q1671-01MSD	PS029678.D	03 Apr 2025 14:54	AR\AJ	Ok,M
16	Q1674-01	PS029679.D	03 Apr 2025 15:18	AR\AJ	Ok,M
17	Q1674-03	PS029680.D	03 Apr 2025 15:42	AR\AJ	Ok,M
18	PB167293BS	PS029681.D	03 Apr 2025 16:06	AR\AJ	Ok,M
19	I.BLK	PS029682.D	03 Apr 2025 16:40	AR\AJ	Ok
20	HSTDCCC750	PS029683.D	03 Apr 2025 17:59	AR\AJ	Ok,M
21	PB167433BL	PS029684.D	03 Apr 2025 18:23	AR\AJ	Not Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS040325

Review By	Abdul	Review On	4/3/2025 12:16:42 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:48:57 AM
SubDirectory	PS040325	HP Acquire Method	HP Processing Method ps040225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

22	PB167433BS	PS029685.D	03 Apr 2025 18:47	AR\AJ	Not Ok
23	Q1679-01	PS029686.D	03 Apr 2025 19:11	AR\AJ	Not Ok
24	Q1679-05	PS029687.D	03 Apr 2025 19:35	AR\AJ	Not Ok
25	Q1680-01	PS029688.D	03 Apr 2025 19:59	AR\AJ	Not Ok
26	Q1681-01	PS029689.D	03 Apr 2025 20:23	AR\AJ	Not Ok
27	Q1681-01MS	PS029690.D	03 Apr 2025 20:48	AR\AJ	Not Ok
28	Q1681-01MSD	PS029691.D	03 Apr 2025 21:12	AR\AJ	Not Ok
29	I.BLK	PS029692.D	03 Apr 2025 21:36	AR\AJ	Ok
30	HSTDCCC750	PS029693.D	03 Apr 2025 22:00	AR\AJ	Not Ok
31	Q1693-01	PS029694.D	03 Apr 2025 22:48	AR\AJ	Not Ok
32	Q1693-05	PS029695.D	03 Apr 2025 23:12	AR\AJ	Not Ok
33	Q1693-09	PS029696.D	03 Apr 2025 23:36	AR\AJ	Not Ok
34	Q1694-01	PS029697.D	04 Apr 2025 00:00	AR\AJ	Not Ok
35	Q1695-01	PS029698.D	04 Apr 2025 00:24	AR\AJ	Not Ok
36	Q1695-05	PS029699.D	04 Apr 2025 00:48	AR\AJ	Not Ok
37	I.BLK	PS029700.D	04 Apr 2025 01:12	AR\AJ	Ok
38	HSTDCCC750	PS029701.D	04 Apr 2025 01:36	AR\AJ	Not Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS032025

Review By	Abdul	Review On	3/21/2025 8:46:36 AM
Supervise By	mohammad	Supervise On	3/24/2025 3:03:28 AM
SubDirectory	PS032025	HP Acquire Method	HP Processing Method ps032025 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC Internal Standard/PEM	PP24066
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029469.D	20 Mar 2025 11:19		AR\AJ	Ok
2	I.BLK	I.BLK	PS029470.D	20 Mar 2025 11:43		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS029471.D	20 Mar 2025 12:07		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS029472.D	20 Mar 2025 12:31		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS029473.D	20 Mar 2025 12:55	Method fail for comp 10	AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS029474.D	20 Mar 2025 13:19		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS029475.D	20 Mar 2025 13:43		AR\AJ	Ok
8	HSTDICV750	ICVPS032025	PS029476.D	20 Mar 2025 14:07		AR\AJ	Ok
9	I.BLK	I.BLK	PS029477.D	20 Mar 2025 14:31		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS029478.D	20 Mar 2025 14:55		AR\AJ	Ok
11	PB167229BL	PB167229BL	PS029479.D	20 Mar 2025 16:09		AR\AJ	Ok
12	PB167229BS	PB167229BS	PS029480.D	20 Mar 2025 16:33		AR\AJ	Ok,M
13	PB167229BSD	PB167229BSD	PS029481.D	20 Mar 2025 16:57		AR\AJ	Ok,M
14	Q1502-17	PT-HERB-WP	PS029482.D	20 Mar 2025 17:21	Comp#10 fail in method	AR\AJ	Not Ok
15	Q1604-02	FRAC-TANK-N45878	PS029483.D	20 Mar 2025 17:45		AR\AJ	Ok
16	Q1606-11	N48965	PS029484.D	20 Mar 2025 18:09	F Flag coming , 2,4-DCAA high in 2nd column	AR\AJ	Not Ok
17	I.BLK	I.BLK	PS029485.D	20 Mar 2025 18:33		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS032025

Review By	Abdul	Review On	3/21/2025 8:46:36 AM
Supervise By	mohammad	Supervise On	3/24/2025 3:03:28 AM
SubDirectory	PS032025	HP Acquire Method	HP Processing Method ps032025 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC Internal Standard/PEM	PP24066
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070

18	HSTDCCC750	HSTDCCC750	PS029486.D	20 Mar 2025 18:57		AR/AJ	Ok,M
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M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040225

Review By	Abdul	Review On	4/3/2025 9:25:38 AM
Supervise By	mohammad	Supervise On	4/4/2025 7:53:55 AM
SubDirectory	PS040225	HP Acquire Method	HP Processing Method ps040225 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC Internal Standard/PEM	PP24066
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029655.D	02 Apr 2025 16:20		AR\AJ	Ok
2	I.BLK	I.BLK	PS029656.D	02 Apr 2025 16:44		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS029657.D	02 Apr 2025 17:32		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS029658.D	02 Apr 2025 17:56		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS029659.D	02 Apr 2025 18:44		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS029660.D	02 Apr 2025 19:32		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS029661.D	02 Apr 2025 20:44		AR\AJ	Ok,M
8	HSTDICV750	ICVPS040225	PS029662.D	02 Apr 2025 21:32		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS029663.D	02 Apr 2025 21:56		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040325

Review By	Abdul	Review On	4/3/2025 12:16:42 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:48:57 AM
SubDirectory	PS040325	HP Acquire Method	HP Processing Method ps040225 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC Internal Standard/PEM	PP24066
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029664.D	03 Apr 2025 08:26		AR\AJ	Ok
2	I.BLK	I.BLK	PS029665.D	03 Apr 2025 08:50		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS029666.D	03 Apr 2025 09:14		AR\AJ	Ok,M
4	PB167229BS	PB167229BS	PS029667.D	03 Apr 2025 09:48		AR\AJ	Not Ok
5	PB167229BSD	PB167229BSD	PS029668.D	03 Apr 2025 10:12	some comp RPD fail.	AR\AJ	Not Ok
6	PB167229BL	PB167229BL	PS029669.D	03 Apr 2025 10:36		AR\AJ	Not Ok
7	Q1502-17	PT-HERB-WP	PS029670.D	03 Apr 2025 11:06		AR\AJ	Ok,M
8	Q1672-01	TP-8	PS029671.D	03 Apr 2025 11:30		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS029672.D	03 Apr 2025 12:08		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS029673.D	03 Apr 2025 12:32		AR\AJ	Ok
11	PB167396BL	PB167396BL	PS029674.D	03 Apr 2025 13:18		AR\AJ	Ok,M
12	PB167396BS	PB167396BS	PS029675.D	03 Apr 2025 13:42		AR\AJ	Ok,M
13	Q1671-01	WC-1	PS029676.D	03 Apr 2025 14:06		AR\AJ	Ok,M
14	Q1671-01MS	WC-1MS	PS029677.D	03 Apr 2025 14:30	some compound recovery fail	AR\AJ	Ok,M
15	Q1671-01MSD	WC-1MSD	PS029678.D	03 Apr 2025 14:54	some compound recovery fail	AR\AJ	Ok,M
16	Q1674-01	RT5358	PS029679.D	03 Apr 2025 15:18		AR\AJ	Ok,M
17	Q1674-03	72-11991	PS029680.D	03 Apr 2025 15:42		AR\AJ	Ok,M
18	PB167293BS	PB167293BS	PS029681.D	03 Apr 2025 16:06		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040325

Review By	Abdul	Review On	4/3/2025 12:16:42 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:48:57 AM
SubDirectory	PS040325	HP Acquire Method	HP Processing Method ps040225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC Internal Standard/PEM	PP24066		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24069,PP24070		

19	I.BLK	I.BLK	PS029682.D	03 Apr 2025 16:40		AR\AJ	Ok
20	HSTDCCC750	HSTDCCC750	PS029683.D	03 Apr 2025 17:59		AR\AJ	Ok,M
21	PB167433BL	PB167433BL	PS029684.D	03 Apr 2025 18:23	END CCC Fail	AR\AJ	Not Ok
22	PB167433BS	PB167433BS	PS029685.D	03 Apr 2025 18:47	END CCC Fail	AR\AJ	Not Ok
23	Q1679-01	TP-10	PS029686.D	03 Apr 2025 19:11	END CCC Fail	AR\AJ	Not Ok
24	Q1679-05	TP-9	PS029687.D	03 Apr 2025 19:35	END CCC Fail	AR\AJ	Not Ok
25	Q1680-01	TP-4	PS029688.D	03 Apr 2025 19:59	END CCC Fail	AR\AJ	Not Ok
26	Q1681-01	TP-12	PS029689.D	03 Apr 2025 20:23	END CCC Fail	AR\AJ	Not Ok
27	Q1681-01MS	TP-12MS	PS029690.D	03 Apr 2025 20:48	END CCC Fail , 2-4-DCAA High in 1st column , Comp#6,10 recovery fail	AR\AJ	Not Ok
28	Q1681-01MSD	TP-12MSD	PS029691.D	03 Apr 2025 21:12	END CCC Fail , 2-4-DCAA High in 1st column , Comp#6,10 recovery fail , RPD Fail	AR\AJ	Not Ok
29	I.BLK	I.BLK	PS029692.D	03 Apr 2025 21:36		AR\AJ	Ok
30	HSTDCCC750	HSTDCCC750	PS029693.D	03 Apr 2025 22:00	Comp#2,3,4,6,7,8,9,10,11,12,14, 15,16 recovery high in 1st column Comp#5,7,8,9,10,11,12,14,16 recovery high in 2nd column	AR\AJ	Not Ok
31	Q1693-01	WCS-TP-3	PS029694.D	03 Apr 2025 22:48	Opening and End CCC fail	AR\AJ	Not Ok
32	Q1693-05	WCS-TP-2	PS029695.D	03 Apr 2025 23:12	Opening and End CCC fail	AR\AJ	Not Ok
33	Q1693-09	WCS-TP-1	PS029696.D	03 Apr 2025 23:36	Opening and End CCC fail	AR\AJ	Not Ok
34	Q1694-01	TP-18	PS029697.D	04 Apr 2025 00:00	Opening and End CCC fail	AR\AJ	Not Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS040325

Review By	Abdul	Review On	4/3/2025 12:16:42 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:48:57 AM
SubDirectory	PS040325	HP Acquire Method	HP Processing Method ps040225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068		
CCC	PP24066		
Internal Standard/PEM	PP24069,PP24070		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

35	Q1695-01	TT-2	PS029698.D	04 Apr 2025 00:24	Opening and End CCC fail	AR\AJ	Not Ok
36	Q1695-05	TT-3	PS029699.D	04 Apr 2025 00:48	Opening and End CCC fail	AR\AJ	Not Ok
37	I.BLK	I.BLK	PS029700.D	04 Apr 2025 01:12		AR\AJ	Ok
38	HSTDCCC750	HSTDCCC750	PS029701.D	04 Apr 2025 01:36	Comp#2,3,4,6,7,8,9,10,11,12,14, 15,16 recovery high in 1st column Comp# 2 to 14 recovery high in 2nd column	AR\AJ	Not Ok

M : Manual Integration

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A **Extraction Start Date :** 03/20/2025

Matrix : Water **Extraction Start Time :** 08:30

Weigh By: N/A **Extraction By:** RS **Extraction End Date :** 03/20/2025

Balance check: N/A **Filter By:** RS **Extraction End Time :** 15:30

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: E3880 **Hood ID:** 4,7 **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	PP24193
Surrogate	1.0ML	5000 PPB	PP24196
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
Ether	N/A	E3881
Acidified Na2SO4	N/A	EP2576
NAOH 6N	N/A	EP2553
12N H2SO4	N/A	EP2552
NACL	N/A	M4459
ISO OCTANE	N/A	E3554
Diazomethane	N/A	EP2588
Hexane	N/A	E3877
METHANOL	N/A	V14150
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted with 6N NaOH>12 prior to Hydrolysis, PH adjusted with cold 12N H2SO4<2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ml Vial Lot # 03-40BTS721.

KD Bath ID: N/A **Envap ID:** NEVAP-02

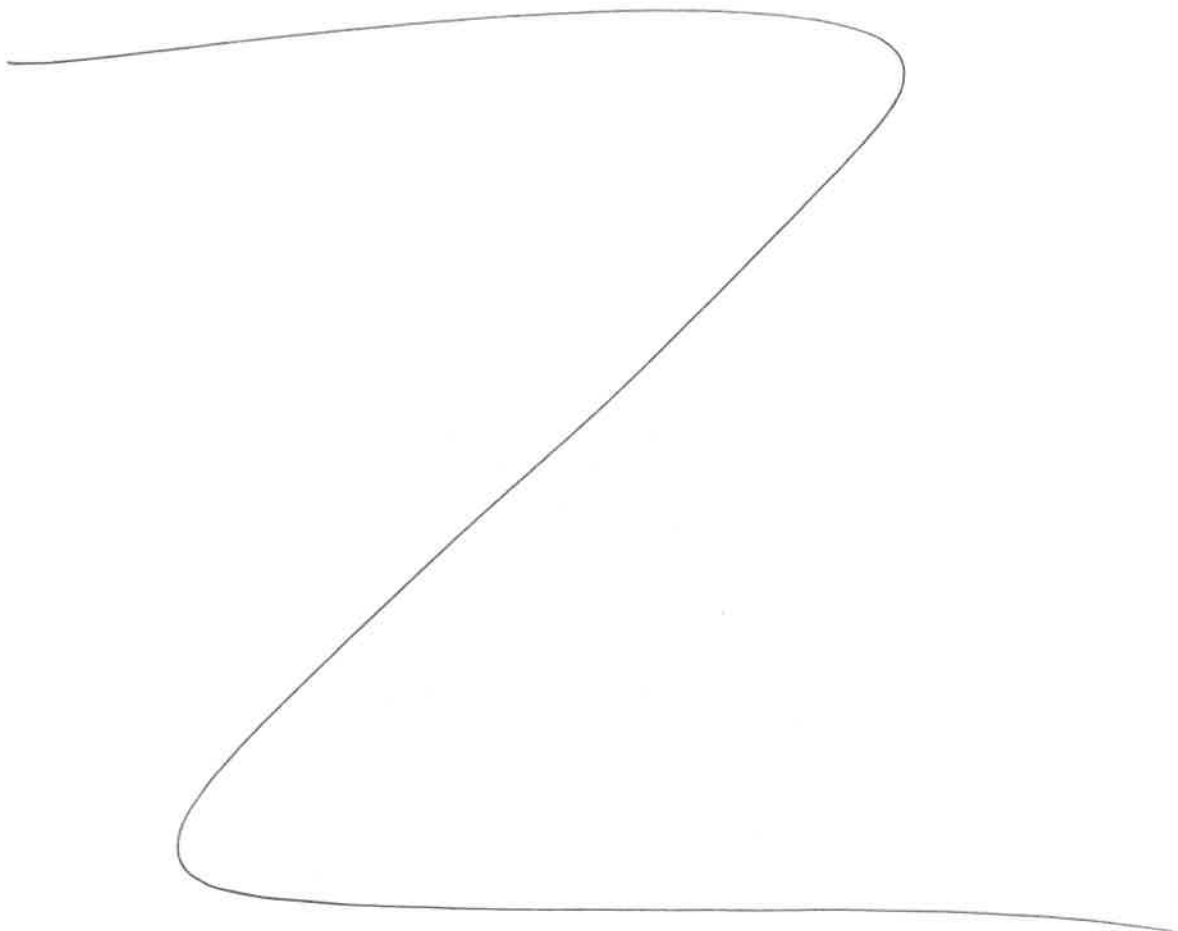
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/20/25	RS (Ext Lab)	R. Pest/PCB Lab
15:35	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-22

Concentration Date: 03/20/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167229BL	HBLK229	Herbicide	1000	6	RUPESH	ritesh	10			SEP-1
PB167229BS	HLCS229	Herbicide	1000	6	RUPESH	ritesh	10			2
PB167229BS D	HLCS229	Herbicide	1000	6	RUPESH	ritesh	10			3
Q1502-17	PT-HERB-WP	Herbicide group1	1000	6	RUPESH	ritesh	10			4
Q1604-02	FRAC-TANK-N45878	Herbicide	970	6	RUPESH	ritesh	10	H		5
Q1606-11	N48965	Herbicide	990	6	RUPESH	ritesh	10	S		6



RS
3/20

167229
8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1502

WorkList ID : 188398

Department : Extraction

Date : 03-20-2025 08:23:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1502-17	PT-HERB-WP	Water	Herbicide group1	Cool 4 deg C	ALLI03	QA Of	03/03/2025	8151A
Q1604-02	FRAC-TANK-N45878	Water	Herbicide	Cool 4 deg C	PSEG03	I41	03/19/2025	8151A
Q1606-11	N48965	Water	Herbicide	Cool 4 deg C	PSEG03	I41	03/19/2025	8151A

Date/Time

3/20/25 8:25

Raw Sample Received by:

RS (Ext Lab)

Raw Sample Relinquished by:

CP SM

Date/Time

3/20/25 8:50

Raw Sample Received by:

CP SM

Raw Sample Relinquished by:

RS (Ext Lab)

Prep Standard - Chemical Standard Summary

Order ID : Q1502

Test : Herbicide group1

Prepbatch ID : PB167229,

Sequence ID/Qc Batch ID: ps032025,PS040325,

Standard ID :

EP2552,EP2553,EP2576,PP24061,PP24062,PP24064,PP24065,PP24066,PP24067,PP24068,PP24069,PP24070,PP24193,PP24196,

Chemical ID :

E3370,E3551,E3657,E3826,E3873,E3881,M4459,M5173,P10549,P11180,P11181,P12619,P12629,P12686,P12708,P12709,P13510,P13511,P13512,P13513,P13526,P13527,P13528,W3112,

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>
3883	12N H2SO4 solution	EP2552	10/21/2024	04/21/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 10/21/2024

FROM 333.00000ml of M5173 + 667.00000ml of W3112 = Final Quantity: 1000.000 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>
3884	6 N NAOH	EP2553	10/21/2024	04/21/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 10/21/2024

FROM 1000.00000ml of W3112 + 240.00000gram of E3657 = Final Quantity: 1000.000 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>
601	Acidified Sodium Sulphate 2	EP2576	01/06/2025	06/02/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/06/2025
<u>FROM</u>	100.00000ml of E3370 + 150.00000ml of M5173 + 3000.00000ml of E3551 = Final Quantity: 3000.000 gram							

<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	PP24061	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
<u>FROM</u>	0.20000ml of P10549 + 1.00000ml of P11180 + 1.00000ml of P12619 + 1.00000ml of P12629 + 1.00000ml of P12686 + 95.80000ml of E3826 = Final Quantity: 100.000 ml							



<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	PP24062	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024

FROM	1.00000ml of P11181 + 1.00000ml of P12708 + 1.00000ml of P12709 + 97.00000ml of E3826 = Final Quantity: 100.000 ml
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<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	PP24064	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel 11/27/2024

FROM	0.25000ml of E3826 + 0.75000ml of PP24061 = Final Quantity: 1.000 ml
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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	PP24065	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24061 = Final Quantity: 1.000 ml

<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	PP24066	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.25000ml of E3826 + 0.75000ml of PP24065 = Final Quantity: 1.000 ml

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>
1455	500 PPB Herb MIX STD	PP24067	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24061 = Final Quantity: 1.000 ml

<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	PP24068	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.90000ml of E3826 + 0.10000ml of PP24061 = Final Quantity: 1.000 ml

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>
1854	1000 PPB HERB MIX ICV STD	PP24069	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24062 = Final Quantity: 1.000 ml

<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	PP24070	11/26/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/27/2024

FROM 0.25000ml of E3826 + 0.75000ml of PP24069 = Final Quantity: 1.000 ml

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)	PP24193	02/12/2025	07/29/2025	Abdul Mirza	None	None	Ankita Jodhani
								02/13/2025

FROM 0.50000ml of P13528 + 1.00000ml of P13526 + 1.00000ml of P13527 + 47.50000ml of E3873 = 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)	PP24196	02/18/2025	07/29/2025	Abdul Mirza	None	None	Ankita Jodhani
								02/21/2025

FROM 1.25000ml of P13510 + 1.25000ml of P13511 + 1.25000ml of P13512 + 1.25000ml of P13513 + 195.00000ml of E3873 = Final Quantity: 200.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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 #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	05/09/2025	11/09/2024 / Rajesh	11/07/2024 / Rajesh	E3826

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC04977-3 / Ether, Anhydrous, Glass Distilled, HRGC/HPLC, 4L	242789	08/14/2025	02/14/2025 / Rajesh	01/06/2025 / Rajesh	E3881

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3624-05 / Sodium Chloride, Crystal (cs/4x2.5kg)	0000237721	04/13/2026	10/03/2022 / Ankita	10/30/2019 / AMANDEEP	M4459

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 #
Restek	32254 / Dalapon Methyl Ester, 1000 ug/ml	A0170243	05/26/2025	11/26/2024 / Ankita	04/06/2021 / dhaval	P10549

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	05/26/2025	11/26/2024 / Ankita	11/01/2021 / Abdul	P11180

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	05/26/2025	11/26/2024 / Ankita	11/01/2021 / Abdul	P11181

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	05/26/2025	11/26/2024 / Ankita	07/03/2023 / Abdul	P12619

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	05/26/2025	11/26/2024 / Ankita	07/03/2023 / Abdul	P12629

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32059 / Herbicide Mix#3 (Methyl Ester), 20000 ug/ml	A0199844	05/26/2025	11/26/2024 / Ankita	07/24/2023 / Abdul	P12686

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12708

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12708

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12709

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	05/26/2025	11/26/2024 / Ankita	08/09/2023 / Abdul	P12709

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL,	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13510

MeOH

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL,	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13511

MeOH

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL,	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13512

MeOH

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL,	A0212676	08/18/2025	02/18/2025 / Abdul	08/16/2024 / yogesh	P13513

MeOH

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	08/12/2025	02/12/2025 / Abdul	09/03/2024 / Abdul	P13526

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	08/12/2025	02/12/2025 / Abdul	09/03/2024 / Abdul	P13526

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	08/12/2025	02/12/2025 / Abdul	09/03/2024 / Abdul	P13527

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	08/12/2025	02/12/2025 / Abdul	09/03/2024 / Abdul	P13527

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	08/12/2025	02/12/2025 / Abdul	09/03/2024 / Abdul	P13528

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	08/12/2025	02/12/2025 / Abdul	09/03/2024 / Abdul	P13528

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent



From M4452 to M4459

Received on : 10/30/2019

Received by : AK

Material No.: 3624-05

Batch No.: 0000237721

Manufactured Date: 2019/04/15

Retest Date: 2026/04/13

Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

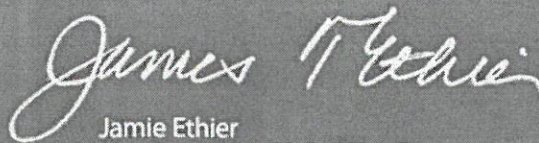
Test	Specification	Result
Assay (NaCl) (by Ag titrn)	$\geq 99.0 \%$	100.3
pH of 5% Solution at 25°C	5.0 - 9.0	6.0
ACS - Insoluble Matter	$\leq 0.005 \%$	< 0.001
Iodide (I)	$\leq 0.002 \%$	< 0.002
Bromide (Br)	$\leq 0.01 \%$	< 0.01
Chlorate and Nitrate (as NO_3)	$\leq 0.003 \%$	< 0.001
ACS - Phosphate (PO_4)	$\leq 5 \text{ ppm}$	< 5
Sulfate (SO_4)	$\leq 0.004 \%$	< 0.004
Barium (Ba)	Passes Test	PT
ACS - Heavy Metals (as Pb)	$\leq 5 \text{ ppm}$	< 5
Iron (Fe)	$\leq 2 \text{ ppm}$	< 2
Calcium (Ca)	$\leq 0.002 \%$	< 0.001
Magnesium (Mg)	$\leq 0.001 \%$	< 0.001
Potassium (K)	$\leq 0.005 \%$	0.002

For Laboratory, Research or Manufacturing Use

Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US

Packaging Site: Paris 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

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,

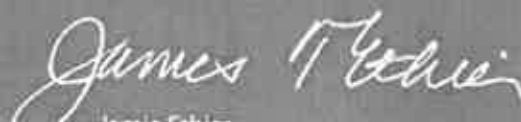
Test	Specification	Result
Assay ((C ₂ H ₅) ₂ O) (by GC, corrected for water)	>= 99.0 %	100.0
Alcohol (C ₂ H ₅ OH)	Passes Test	PT
Carbonyl Compounds (as HCHO) (by polarography)	<= 0.001 %	< 0.001
Color (APHA)	<= 10	< 5
Peroxide (as H ₂ O ₂)	<= 1 ppm	< 1
Preservative (BHT)	>= 7 ppm	9
Residue after Evaporation	<= 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



Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

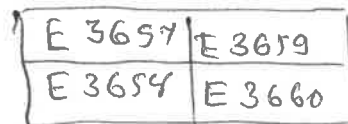
This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3826

Rec'd by RP on 11/7/24

Jamie Croak
Director Quality Operations, Bioscience Production

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

Recd. by RP on 1/29/25

E 3873

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	E199	Quality Test / Release Date	08/02/2024
Lot Number	242789	Expiration Date	Jun/2025
Description	ETHYL ETHER, PESTICIDE GRADE		
Country of Origin	Mexico		
Chemical Origin	Organic - synthetic		
BSE/TSE Comment	This product was derived from synthetic raw materials and the manufacturing process excluded contamination with any animal products.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid free of suspended matter
ASSAY	%	>= 99.5	99.97
COLOR	APHA	<= 10	5
EVAPORATION RESIDUE	ppm	<= 3	0.2
GC-ECD ANALYSIS	pg/ml	<= 10	<1
OPTICAL ABS AT 218 NM	ABSORBANCE UNITS	<= 1.00	0.19
OPTICAL ABS AT 250 NM	ABSORBANCE UNITS	<= 0.08	0.05
OPTICAL ABS AT 270 NM	ABSORBANCE UNITS	<= 0.02	0.01
OPTICAL ABS AT 300 NM	ABSORBANCE UNITS	<= 0.01	0.002
OPTICAL ABS AT 350 NM	ABSORBANCE UNITS	<= 0.01	<0.001
PEROXIDE	ppm	<= 5	<1
PRESERVATIVE - ETHANOL	%	Inclusive Between 1.5 - 2.5	1.8
WATER (H2O)	%	<= 0.08	0.003

Kalyan Paruchuri

Kalyan Paruchuri - Quality Control Supervisor - Bridgewater

E 3881

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

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

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:

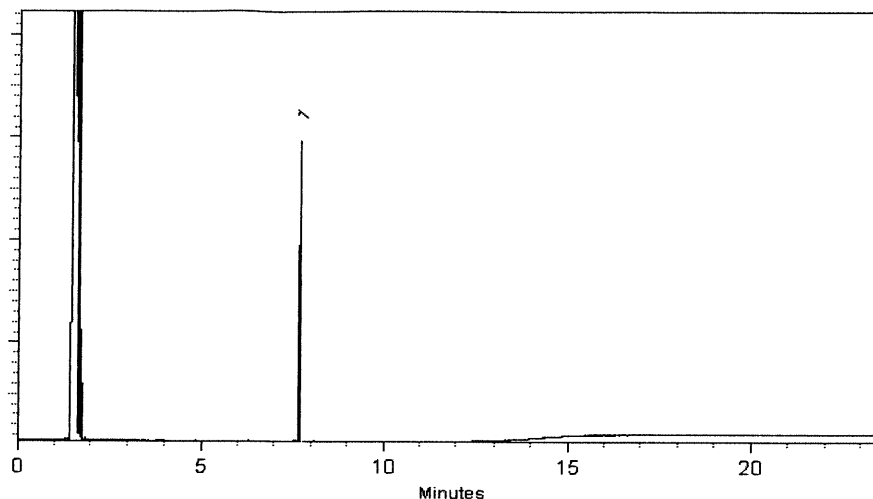
250°C

Det. Temp:

330°C

Det. Type:

FID

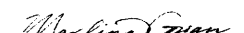


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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
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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:

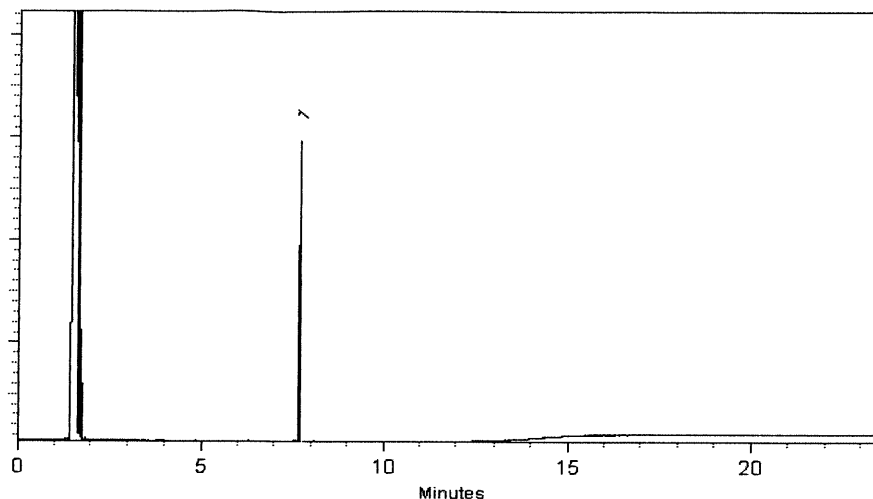
250°C

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

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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



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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:

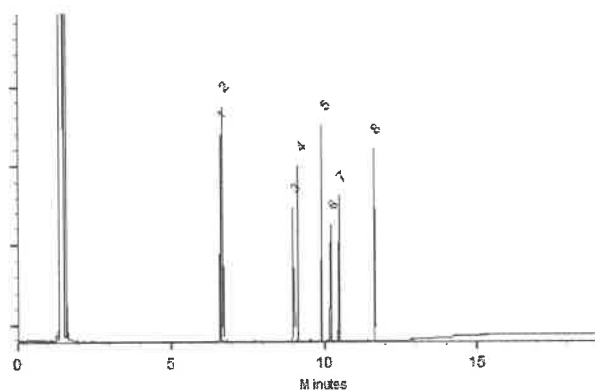
250°C

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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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:

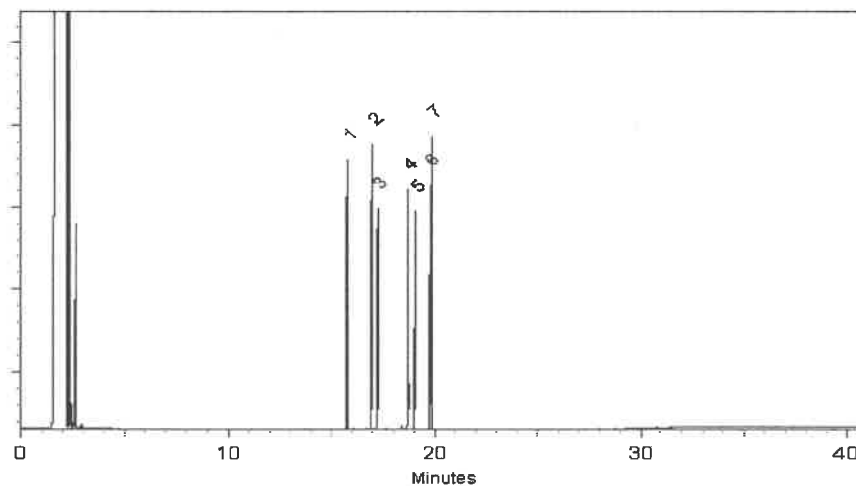
FID

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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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. : 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	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

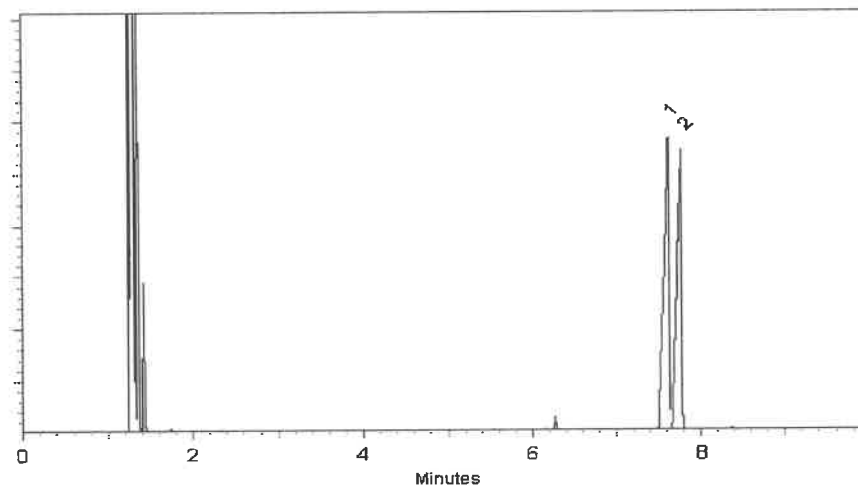
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P12706
↓
P12715
/ (10)
/ 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.

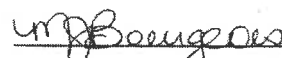
Expiration of Certification:

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

P12706
↓
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.

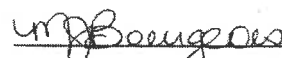
Expiration of Certification:

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

P12706 / (10)
↓
P12715
✓ 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



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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. : 32049 **Lot No.:** A0212676
Description : 2,4-Dichlorophenylacetic Acid Standard
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2027 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.
↓
P13515 } 08/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:

150mm x 4.6mm
Allure C18 Cat. (#9164565)

Flow Rate:

1.0 ml/min.

Mobile Phase A:

0.14% H₃PO₄ in water

Mobile Phase B:

acetonitrile

Mobile Phase Composition:

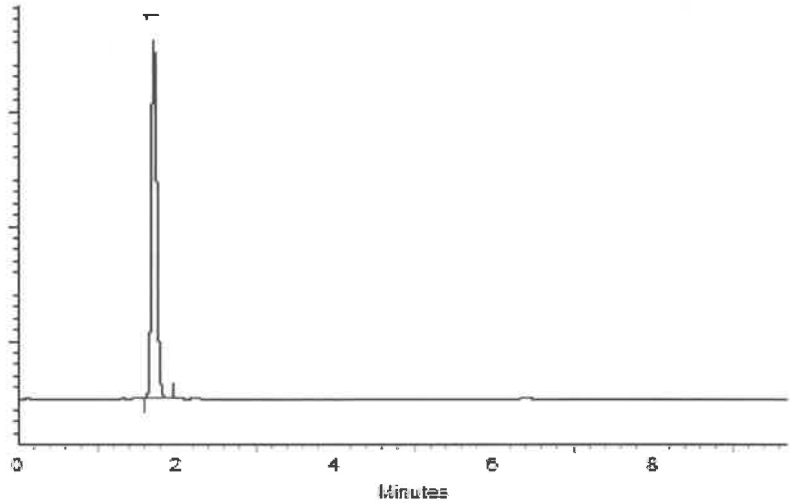
90%B Isocratic

Det. Type:

Wavelength: 220 & 254 nm

Inj. Vol

5µl

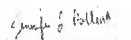


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024

Balance Serial # B345965662


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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. : 32049 **Lot No.:** A0212676
Description : 2,4-Dichlorophenylacetic Acid Standard
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2027 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.
↓
P13515 } 08/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:

150mm x 4.6mm
Allure C18 Cat. (#9164565)

Flow Rate:

1.0 ml/min.

Mobile Phase A:

0.14% H₃PO₄ in water

Mobile Phase B:

acetonitrile

Mobile Phase Composition:

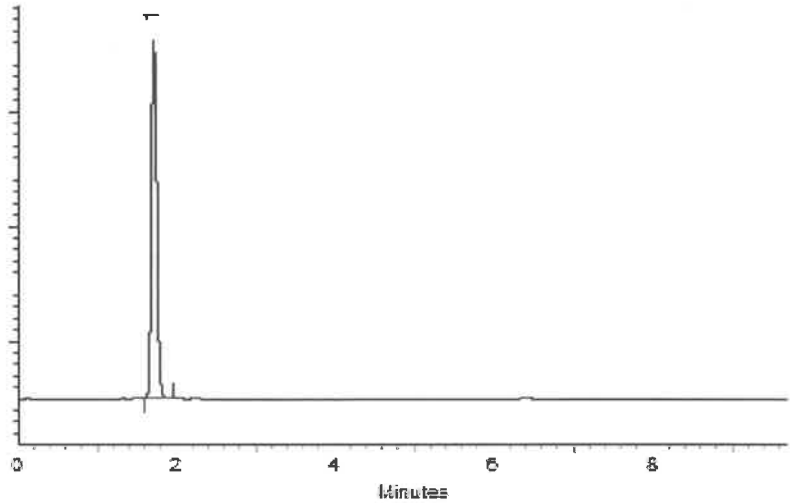
90%B Isocratic

Det. Type:

Wavelength: 220 & 254 nm

Inj. Vol

5µl

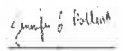


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024

Balance Serial # B345965662


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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Catalog No. : 32049 **Lot No.:** A0212676
Description : 2,4-Dichlorophenylacetic Acid Standard
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2027 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.
↓
P13515 } 08/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:

150mm x 4.6mm
Allure C18 Cat. (#9164565)

Flow Rate:

1.0 ml/min.

Mobile Phase A:

0.14% H₃PO₄ in water

Mobile Phase B:

acetonitrile

Mobile Phase Composition:

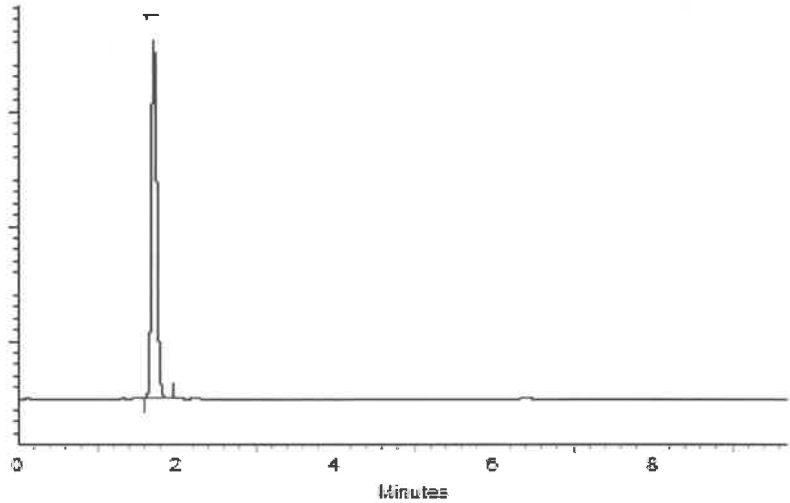
90%B Isocratic

Det. Type:

Wavelength: 220 & 254 nm

Inj. Vol

5µl

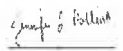


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Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024

Balance Serial # B345965662


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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chromatographic plus



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Catalog No. : 32049 **Lot No.:** A0212676
Description : 2,4-Dichlorophenylacetic Acid Standard
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2027 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.
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P13515 } 08/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:

150mm x 4.6mm
Allure C18 Cat. (#9164565)

Flow Rate:

1.0 ml/min.

Mobile Phase A:

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Mobile Phase B:

acetonitrile

Mobile Phase Composition:

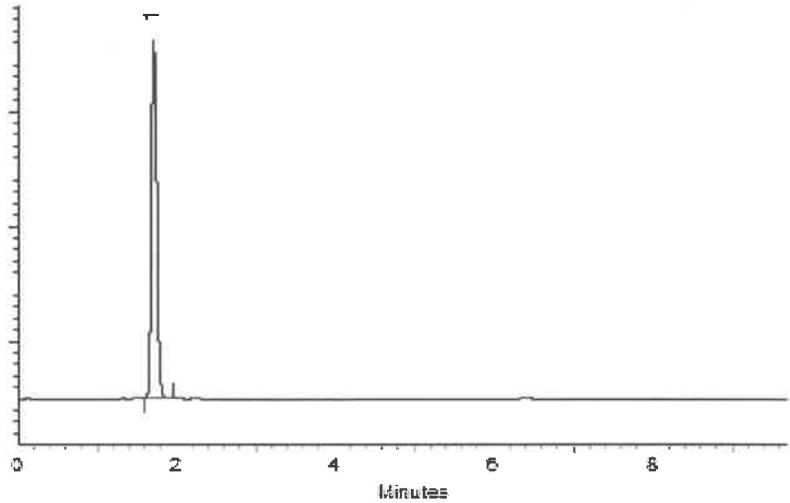
90%B Isocratic

Det. Type:

Wavelength: 220 & 254 nm

Inj. Vol

5µl

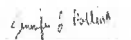


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Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024

Balance Serial # B345965662


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Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

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Manufacturing Notes:

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Handling Notes:

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**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
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Expiration Date: 30-Sep-2026

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chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
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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
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Description:

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P13520
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P13536 } (18)

BACF
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dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
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dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
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silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

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P13520
↓
P13536 } (18)

BACF
9/4/2024



SHIPPING DOCUMENTS



phenova®
Certified Reference Materials

A Phenomenex®
Company

Packing List

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Date	Order #
03/03/2025	333289



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ

3/5/2025

14:30

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-1517	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
			PT-TMSET-WP	WP Trace Metals Set : (TM1, HG and SNTI)		
1	1	0	PT-TM1-WP	WP Trace Metals 1	WP0325	8264-04
1	1	0	PT-HG-WP	WP Mercury	WP0325	8264-05
1	1	0	PT-SNTI-WP	WP Tin & Titanium	WP0325	8264-38
1	1	0	PT-CR6-WP	WP Hexavalent Chromium	WP0325	8264-06
1	1	0	PT-DEM-WP	WP Demand	WP0325	8264-07
			PT-MINSET-WP	WP Minerals Set : (MIN1, MIN2 and COND)		
1	1	0	PT-MIN1-WP	WP Minerals 1 Only	WP0325	8264-08
1	1	0	PT-MIN2-WP	WP Minerals 2 Only	WP0325	8264-102
1	1	0	PT-COND-WP	WP Conductivity Only	WP0325	8264-72
1	1	0	PT-SOL-WP	WP Solids	WP0325	8264-09
			PT-NUTSET-WP	WP Nutrients Set : (NUT1, NUT2 and NUT3)		
1	1	0	PT-NUT1-WP	WP NUT1 Simple Nutrients Only	WP0325	8264-10
1	1	0	PT-NUT2-WP	WP NUT2 - Complex Nutrients	WP0325	8264-11
1	1	0	PT-NUT3-WP	WP NUT3 - Nitrite Only	WP0325	8264-69
1	1	0	PT-OGR1L-WP	WP Oil and Grease 1L	WP0325	8264-103
1	1	0	PT-CL-WP	WP Residual Chlorine	WP0325	8264-13
1	1	0	PT-PH-WP	WP pH	WP0325	8264-15
1	1	0	PT-CN-WP	WP Cyanide	WP0325	8264-14
1	1	0	PT-PHEN-WP	WP Phenolics	WP0325	8264-16



phenova®
Certified Reference Materials

A Phenomenex®
Company

Packing List

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

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Date	Order #
03/03/2025	333289



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ

3/5/2025 14:30

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-1517	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-S2-WP	WP Sulfide	WP0325	8264-22
1	1	0	PT-SSOL-WP	WP Settleable Solids	WP0325	8264-17
1	1	0	PT-TURB-WP	WP Turbidity	WP0325	8264-20
1	1	0	PT-VOA-WP	WP Volatiles	WP0325	8264-26
1	1	0	PT-BN-WP	WP Base Neutrals	WP0325	8264-27
1	1	0	PT-ACIDS-WP	WP Acids	WP0325	8264-28
1	1	0	PT-PEST-WP	WP Pesticides	WP0325	8264-29
1	1	0	PT-CHLR-WP	WP Chlordane	WP0325	8264-30
1	1	0	PT-TXP-WP	WP Toxaphene	WP0325	8264-31
1	1	0	PT-PCBW-WP	WP PCBs in Water	WP0325	8264-32
1	1	0	PT-HERB-WP	WP Herbicides	WP0325	8264-36
1	1	0	RR-TPH1L-WP	WP TPH 1L	R40367	R40367-104
1	1	0	RR-VSOL-WP	WP Volatile Solids	R40367	R40367-18
1	1	0	RR-SIO2-WP	WP Silica	R40367	R40367-21
1	1	0	RR-COL-WP	WP Color	R40367	R40367-51
1	1	0	RR-GAS-WP	WP Gasoline Range Organics	R40367	R40367-62
1	1	0	RR-DIES-WP	WP Diesel Range Organics	R40367	R40367-63
1	1	0	RR-8011-WP	WP EDB/DBCP/TCP	R40367	R40367-98
1	1	0	RR-PAH-WP	WP PAH-Low Level	R40433	R40433-37

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Packing List

Date	Order #
03/07/2025	335989



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
3/11/2025 9:55

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
Email: Sohil Jodhani	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	RR-TRIAZINE-WP	WP Triazine Pesticides	R40480	R40480-108

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