

Cover Page

Order ID : Q1872

Project ID : NJ Soil PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number

Q1872-01
Q1872-02
Q1872-03
Q1872-04
Q1872-05
Q1872-06
Q1872-07
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Q1872-18
Q1872-19
Q1872-20
Q1872-21
Q1872-22
Q1872-23
Q1872-24
Q1872-25

Client Sample Number

HW0425-PT-AN-SOIL
HW0425-PT-CORR-SOIL
HW0425-PT-CN-SOIL
HW0425-PT-CN-SOIL
HW0425-PT-FP-SOIL
HW0425-PT-CR6-SOIL
HW0425-PT-NUT-SOIL
HW0425-PT-NUT-SOIL
HW0425-PT-OGR-SOIL
HW0425-PT-MET-SOIL
HW0425-PT-BNA-SOIL
HW0425-PT-TRIAZINE-SOIL
HW0425-PT-PAH-SOIL
HW0425-PT-DIES-SOIL
HW0425-PT-GAS-SOIL
HW0425-PT-NJEPH-SOIL
HW0425-PT-HERB-SOIL
HW0425-PT-PCB-SOIL
HW0425-PT-PCBO-SOIL
HW0425-PT-PEST-SOIL
HW0425-PT-CHLR-SOIL
HW0425-PT-TXP-SOIL
HW0425-PT-VOA-SOIL
HW0425-PT-SOL-SOIL
HW0425-PT-NO2-SOIL

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: 6/23/2025

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 Soil PT

Project # N/A

Order ID # Q1872

Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:

24 Solid samples were received on 04/24/2025.

1 Solid sample was received on 04/28/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, TKN, TOC, TS 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 um df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324. The analysis of Herbicide Group1s was based on method 8151A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS {Q2130-01MS} with File ID: PS030577.D recoveries met the acceptable requirements except for [MCP(1)- 35%],[MCP(2)- 32%],[Dalapon(1)- 15%],[MCPA(1)- 39%],[MCPA(2)- 41%],[Dinoseb(1)- 9%],[Pentachlorophenol(1)- 50%],[Pentachlorophenol(2)- 45%] [4-Nitrophenol(1)- 41%],[4-Nitrophenol(2)- 43%],[PICLORAM(1)- 33%],[PICLORAM(2)- 33%],[DCPA(1)- 37%],[DCPA(2)- 45%] [3,5-DICHLOROBENZOIC ACID(1)- 48%],[3,5-DICHLOROBENZOIC ACID(2)- 47%] due to matrix interference.

The MSD {Q2130-01MSD} with File ID: PS030578.D recoveries met the acceptable requirements except for [MCP(1)- 37%],[MCP(2)- 32%],[Dalapon(1)-



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15%],[MCPA(1)- 39%],[MCPA(2)- 40%][Dinoseb(1)- 9%],[Pentachlorophenol(1)- 50%],[Pentachlorophenol(2)- 45%] [4-Nitrophenol(1)- 41%],[4-Nitrophenol(2)- 43%][PICLORAM(1)- 33%],[PICLORAM(2)- 32%][DCPA(1)- 37%],[DCPA(2)- 44%] [3,5-DICHLOROBENZOIC ACID(1)- 47%],[3,5-DICHLOROBENZOIC ACID(2)- 46%] due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

Sample HW0425-PT-HERB-SOIL was diluted due to high concentration.

E. Additional Comments:

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

F. Manual Integration Comments:

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

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

Signature_____

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

ORDER ID: Q1872

MATRIX: Solid

METHOD: 8151A/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
The Initial Calibration met the requirements .			
The Continuous Calibration met the requirements .			
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The MS {Q2130-01MS} with File ID: PS030577.D recoveries met the acceptable requirements except for [MCP(1)- 35%],[MCP(2)- 32%],[Dalapon(1)- 15%],[MCPA(1)- 39%],[MCPA(2)- 41%],[Dinoseb(1)- 9%],[Pentachlorophenol(1)- 50%],[Pentachlorophenol(2)- 45%] [4-Nitrophenol(1)- 41%],[4-Nitrophenol(2)- 43%],[PICLORAM(1)- 33%],[PICLORAM(2)- 33%],[DCPA(1)- 37%],[DCPA(2)- 45%] [3,5-DICHLOROBENZOIC ACID(1)- 48%],[3,5-DICHLOROBENZOIC ACID(2)- 47%] due to matrix interference.			
The MSD {Q2130-01MSD} with File ID: PS030578.D recoveries met the acceptable requirements except for [MCP(1)- 37%],[MCP(2)- 32%],[Dalapon(1)- 15%],[MCPA(1)- 39%],[MCPA(2)- 40%],[Dinoseb(1)- 9%],[Pentachlorophenol(1)- 50%],[Pentachlorophenol(2)- 45%] [4-Nitrophenol(1)- 41%],[4-Nitrophenol(2)- 43%],[PICLORAM(1)- 33%],[PICLORAM(2)- 32%],[DCPA(1)- 37%],[DCPA(2)- 44%] [3,5-DICHLOROBENZOIC ACID(1)- 47%],[3,5-DICHLOROBENZOIC ACID(2)- 46%] due to matrix interference.			
The Blank Spike met requirements for all samples .			
The RPD met criteria .			



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

Sample HW0425-PT-HERB-SOIL was diluted due to high concentration.

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1872

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 Custody

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 06/23/2025

LAB CHRONICLE

OrderID:	Q1872	OrderDate:	4/24/2025 1:26:50 PM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Soil PT
Contact:	Mohammad Ahmed	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1872-14	HW0425-PT-DIES-SOIL	SOIL			04/25/25			04/28/25
			Diesel Range Organics	8015D		05/13/25	05/13/25	
Q1872-15	HW0425-PT-GAS-SOIL	SOIL			04/21/25			04/24/25
			Gasoline Range Organics	8015D			04/29/25	
Q1872-16	HW0425-PT-NJEPH-SOIL	Solid			04/21/25			04/24/25
			EPH	NJEPH		05/07/25	05/08/25	
Q1872-17	HW0425-PT-HERB-SOIL	SOIL			04/21/25			04/24/25
			Herbicide Group1	8151A		05/30/25	06/04/25	
Q1872-17DL	HW0425-PT-HERB-SOILDL	SOIL			04/21/25			04/24/25
			Herbicide Group1	8151A		05/30/25	06/04/25	
Q1872-18	HW0425-PT-PCB-SOIL	SOIL			04/21/25			04/24/25
			PCB	8082A		05/23/25	05/24/25	
Q1872-18DL	HW0425-PT-PCB-SOILDL	SOIL			04/21/25			04/24/25
			PCB	8082A		05/23/25	05/24/25	
Q1872-19	HW0425-PT-PCBO-SOIL	SOIL			04/21/25			04/24/25
			PCB	8082A		05/28/25	05/28/25	
Q1872-20	HW0425-PT-PEST-SOIL	SOIL			04/21/25			04/24/25
			PESTICIDE Group1	8081B		05/23/25	05/27/25	

LAB CHRONICLE

Q1872-20DL	HW0425-PT-PEST-SOI LDL	SOIL			04/21/25		04/24/25
			PESTICIDE Group1	8081B		05/23/25	05/27/25
Q1872-21	HW0425-PT-CHLR-SO IL	SOIL			04/21/25		04/24/25
			PESTICIDE Group2	8081B		05/23/25	05/27/25
Q1872-22	HW0425-PT-TXP-SOIL	SOIL			04/21/25		04/24/25
			PESTICIDE Group3	8081B		05/23/25	05/29/25

Hit Summary Sheet
SW-846

SDG No.: Q1872

Order ID: Q1872

Client: Alliance Technical Group, LLC - Newark

Project ID: NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : HW0425-PT-HERB-SOIL								
Q1872-17	HW0425-PT-HERB-S	SOIL	DICAMBA	474		7.70	66.8	ug/Kg
Q1872-17	HW0425-PT-HERB-S	SOIL	DICHLORPROP	602	E	12.8	66.8	ug/Kg
Q1872-17	HW0425-PT-HERB-S	SOIL	2,4-D	738	E	9.00	66.8	ug/Kg
Q1872-17	HW0425-PT-HERB-S	SOIL	2,4,5-TP (Silvex)	558	E	9.00	66.8	ug/Kg
Q1872-17	HW0425-PT-HERB-S	SOIL	2,4,5-T	411		8.70	66.8	ug/Kg
Q1872-17	HW0425-PT-HERB-S	SOIL	2,4-DB	350	P	24.1	66.8	ug/Kg
Q1872-17	HW0425-PT-HERB-S	SOIL	DINOSEB	100		10.8	66.8	ug/Kg
Q1872-17	HW0425-PT-HERB-S	SOIL	Pentachlorophenol	429		12.6	66.8	ug/Kg
Q1872-17	HW0425-PT-HERB-S	SOIL	4-Nitrophenol	488		18.3	66.8	ug/Kg
Q1872-17	HW0425-PT-HERB-S	SOIL	PICLORAM	319		9.80	66.8	ug/Kg
Total Concentration:				4,469.000				
Client ID : HW0425-PT-HERB-SOILDL								
Q1872-17DL	HW0425-PT-HERB-S	SOIL	DICAMBA	458	D	15.5	134	ug/Kg
Q1872-17DL	HW0425-PT-HERB-S	SOIL	DICHLORPROP	575	D	25.5	134	ug/Kg
Q1872-17DL	HW0425-PT-HERB-S	SOIL	2,4-D	712	D	18.0	134	ug/Kg
Q1872-17DL	HW0425-PT-HERB-S	SOIL	2,4,5-TP (Silvex)	567	D	18.1	134	ug/Kg
Q1872-17DL	HW0425-PT-HERB-S	SOIL	2,4,5-T	411	D	17.3	134	ug/Kg
Q1872-17DL	HW0425-PT-HERB-S	SOIL	2,4-DB	316	DP	48.3	134	ug/Kg
Q1872-17DL	HW0425-PT-HERB-S	SOIL	DINOSEB	87.4	JD	21.5	134	ug/Kg
Q1872-17DL	HW0425-PT-HERB-S	SOIL	Pentachlorophenol	548	D	25.1	134	ug/Kg
Q1872-17DL	HW0425-PT-HERB-S	SOIL	4-Nitrophenol	421	D	36.7	134	ug/Kg
Q1872-17DL	HW0425-PT-HERB-S	SOIL	PICLORAM	296	D	19.6	134	ug/Kg
Total Concentration:				4,391.400				



QC SUMMARY

Surrogate Summary

SDG No.: Q1872

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-PS030475.D	PIBLK-PS030475.D	2,4-DCAA	1	500	414	83		61	136
		2,4-DCAA	2	500	445	89		61	136
I.BLK-PS030482.D	PIBLK-PS030482.D	2,4-DCAA	1	500	444	89		61	136
		2,4-DCAA	2	500	449	90		61	136
PB168207BL	PB168207BL	2,4-DCAA	1	500	436	87		10	141
		2,4-DCAA	2	500	430	86		10	141
PB168207BS	PB168207BS	2,4-DCAA	1	500	527	105		10	141
		2,4-DCAA	2	500	493	99		10	141
Q1872-17	HW0425-PT-HERB-SOIL	2,4-DCAA	1	500	417	83		10	141
		2,4-DCAA	2	500	300	60		10	141
Q1872-17DL	HW0425-PT-HERB-SOILDL	2,4-DCAA	1	500	423	85		10	141
		2,4-DCAA	2	500	289	58		10	141
I.BLK-PS030488.D	PIBLK-PS030488.D	2,4-DCAA	1	500	436	87		61	136
		2,4-DCAA	2	500	451	90		61	136
I.BLK-PS030574.D	PIBLK-PS030574.D	2,4-DCAA	1	500	437	87		61	136
		2,4-DCAA	2	500	454	91		61	136
Q2130-01MS	TP-3MS	2,4-DCAA	1	500	252	50		10	141
		2,4-DCAA	2	500	210	42		10	141
Q2130-01MSD	TP-3MSD	2,4-DCAA	1	500	250	50		10	141
		2,4-DCAA	2	500	206	41		10	141
I.BLK-PS030579.D	PIBLK-PS030579.D	2,4-DCAA	1	500	450	90		61	136
		2,4-DCAA	2	500	466	93		61	136

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q1872</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Alliance Technical Group, LLC - Newark</u>	DataFile :	<u>PS030577.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2130-01MS (Column 1)	TP-3MS											
	DICAMBA	184.4	0	82.9	ug/Kg	45				10	112	
	MCP	18.44	0	6.40	ug/Kg	35	*			70	130	
	Dalapon	184.4	0	27.6	ug/Kg	15	*			70	130	
	MCPA	18.44	0	7.10	ug/Kg	39	*			70	130	
	DICHLORPROP	184.4	0	93.1	ug/Kg	50				10	113	
	2,4-D	184.4	0	99.5	ug/Kg	54				10	144	
	2,4,5-TP(Silvex)	184.4	0	88.2	ug/Kg	48				10	114	
	2,4,5-T	184.4	0	79.9	ug/Kg	43				10	115	
	2,4-DB	184.4	0	46.7	ug/Kg	25				10	140	
	Dinoseb	184.4	0	16.3	ug/Kg	9	*			10	118	
	Pentachlorophenol	184.4	0	93.0	ug/Kg	50	*			70	130	
	4-Nitrophenol	184.4	0	75.8	ug/Kg	41	*			70	130	
	PICLORAM	184.4	0	60.2	ug/Kg	33	*			70	130	
	DCPA	184.4	0	68.7	ug/Kg	37	*			70	130	
	3,5-DICHLOROBENZO	184.4	0	88.0	ug/Kg	48	*			70	130	
Client Sample ID: Q2130-01MS (Column 2)	TP-3MS											
	DICAMBA	184.4	0	78.3	ug/Kg	42				10	112	
	MCP	18.44	0	5.90	ug/Kg	32	*			70	130	
	Dalapon	184.4	0	229	ug/Kg	124				70	130	
	MCPA	18.44	0	7.50	ug/Kg	41	*			70	130	
	DICHLORPROP	184.4	0	91.5	ug/Kg	50				10	113	
	2,4-D	184.4	0	84.7	ug/Kg	46				10	144	
	2,4,5-TP(Silvex)	184.4	0	92.9	ug/Kg	50				10	114	
	2,4,5-T	184.4	0	82.2	ug/Kg	45				10	115	
	2,4-DB	184.4	0	75.1	ug/Kg	41				10	140	
	Dinoseb	184.4	0	20.3	ug/Kg	11				10	118	
	Pentachlorophenol	184.4	0	83.0	ug/Kg	45	*			70	130	
	4-Nitrophenol	184.4	0	78.8	ug/Kg	43	*			70	130	
	PICLORAM	184.4	0	61.1	ug/Kg	33	*			70	130	
	DCPA	184.4	0	83.2	ug/Kg	45	*			70	130	
	3,5-DICHLOROBENZO	184.4	0	86.1	ug/Kg	47	*			70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q1872</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Alliance Technical Group, LLC - Newark</u>	DataFile :	<u>PS030578.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2130-01MSD (Column 1)	TP-3MSD											
	DICAMBA	184.1	0	82.5	ug/Kg	45		0		10	112	20
	MCP	18.41	0	6.90	ug/Kg	37	*	6		70	130	20
	Dalapon	184.1	0	26.8	ug/Kg	15	*	0		70	130	20
	MCPA	18.41	0	7.10	ug/Kg	39	*	0		70	130	20
	DICHLORPROP	184.1	0	92.4	ug/Kg	50		0		10	113	20
	2,4-D	184.1	0	99.3	ug/Kg	54		0		10	144	20
	2,4,5-TP(Silvex)	184.1	0	87.6	ug/Kg	48		0		10	114	20
	2,4,5-T	184.1	0	80.3	ug/Kg	44		2		10	115	20
	2,4-DB	184.1	0	44.9	ug/Kg	24		4		10	140	20
	Dinoseb	184.1	0	16.3	ug/Kg	9	*	0		10	118	20
	Pentachlorophenol	184.1	0	91.8	ug/Kg	50	*	0		70	130	20
	4-Nitrophenol	184.1	0	76.0	ug/Kg	41	*	0		70	130	20
	PICLORAM	184.1	0	60.9	ug/Kg	33	*	0		70	130	20
	DCPA	184.1	0	68.2	ug/Kg	37	*	0		70	130	20
	3,5-DICHLOROBENZO	184.1	0	86.9	ug/Kg	47	*	2		70	130	20
Client Sample ID: Q2130-01MSD (Column 2)	TP-3MSD											
	DICAMBA	184.1	0	78.1	ug/Kg	42		0		10	112	20
	MCP	18.41	0	5.80	ug/Kg	32	*	0		70	130	20
	Dalapon	184.1	0	224	ug/Kg	122		2		70	130	20
	MCPA	18.41	0	7.40	ug/Kg	40	*	2		70	130	20
	DICHLORPROP	184.1	0	91.1	ug/Kg	49		2		10	113	20
	2,4-D	184.1	0	94.6	ug/Kg	51		10		10	144	20
	2,4,5-TP(Silvex)	184.1	0	92.0	ug/Kg	50		0		10	114	20
	2,4,5-T	184.1	0	81.6	ug/Kg	44		2		10	115	20
	2,4-DB	184.1	0	74.6	ug/Kg	41		0		10	140	20
	Dinoseb	184.1	0	20.1	ug/Kg	11		0		10	118	20
	Pentachlorophenol	184.1	0	82.0	ug/Kg	45	*	0		70	130	20
	4-Nitrophenol	184.1	0	78.5	ug/Kg	43	*	0		70	130	20
	PICLORAM	184.1	0	59.7	ug/Kg	32	*	3		70	130	20
	DCPA	184.1	0	81.9	ug/Kg	44	*	2		70	130	20
	3,5-DICHLOROBENZO	184.1	0	85.6	ug/Kg	46	*	2		70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q1872</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Alliance Technical Group, LLC - Newark</u>	Datafile :	<u>PS030485.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168207BS (Column 1)	DICAMBA	166.6	161	ug/Kg	97				72	129	
	MCP	16.66	15.1	ug/Kg	91				70	130	
	Dalapon	166.6	154	ug/Kg	92				70	130	
	MCPA	16.66	15.1	ug/Kg	91				70	130	
	DICHLORPROP	166.6	160	ug/Kg	96				77	135	
	2,4-D	166.6	160	ug/Kg	96				65	144	
	2,4,5-TP(Silvex)	166.6	165	ug/Kg	99				74	146	
	2,4,5-T	166.6	163	ug/Kg	98				77	134	
	2,4-DB	166.6	158	ug/Kg	95				72	122	
	Dinoseb	166.6	162	ug/Kg	97				74	132	
	Pentachlorophenol	166.6	177	ug/Kg	106				70	130	
	4-Nitrophenol	166.6	154	ug/Kg	92				70	130	
	PICLORAM	166.6	150	ug/Kg	90				70	130	
	DCPA	166.6	168	ug/Kg	101				70	130	
PB168207BS (Column 2)	3,5-DICHLOROBENZOIC	166.6	160	ug/Kg	96				70	130	
	DICAMBA	166.6	155	ug/Kg	93				72	129	
	MCP	16.66	15.4	ug/Kg	92				70	130	
	Dalapon	166.6	150	ug/Kg	90				70	130	
	MCPA	16.66	15.7	ug/Kg	94				70	130	
	DICHLORPROP	166.6	156	ug/Kg	94				77	135	
	2,4-D	166.6	157	ug/Kg	94				65	144	
	2,4,5-TP(Silvex)	166.6	159	ug/Kg	95				74	146	
	2,4,5-T	166.6	159	ug/Kg	95				77	134	
	2,4-DB	166.6	158	ug/Kg	95				72	122	
	Dinoseb	166.6	156	ug/Kg	94				74	132	
	Pentachlorophenol	166.6	162	ug/Kg	97				70	130	
	4-Nitrophenol	166.6	149	ug/Kg	89				70	130	
	PICLORAM	166.6	150	ug/Kg	90				70	130	
	DCPA	166.6	161	ug/Kg	97				70	130	
	3,5-DICHLOROBENZOIC	166.6	154	ug/Kg	92				70	130	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168207BL

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872

SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: PB168207BL

Lab File ID: PS030484.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/30/2025

Date Analyzed (1): 06/04/2025

Date Analyzed (2): 06/04/2025

Time Analyzed (1): 14:47

Time Analyzed (2): 14:47

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
PB168207BS	PB168207BS	PS030485.D	06/04/2025	06/04/2025
HW0425-PT-HERB-SOIL	Q1872-17	PS030486.D	06/04/2025	06/04/2025
TP-3MS	Q2130-01MS	PS030577.D	06/09/2025	06/09/2025
TP-3MSD	Q2130-01MSD	PS030578.D	06/09/2025	06/09/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-HERB-SOIL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-17		Matrix:	SOIL	
Analytical Method:	8151A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030486.D	1	05/30/25 08:20	06/04/25 15:36	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
93-65-2	MCPP	0.95	U	0.95	6.70	ug/Kg
1918-00-9	DICAMBA	474		7.70	66.8	ug/Kg
75-99-0	DALAPON	17.4	U	17.4	66.8	ug/Kg
94-74-6	MCPA	2.50	U	2.50	6.70	ug/Kg
120-36-5	DICHLORPROP	602	E	12.8	66.8	ug/Kg
94-75-7	2,4-D	738	E	9.00	66.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	558	E	9.00	66.8	ug/Kg
93-76-5	2,4,5-T	411		8.70	66.8	ug/Kg
94-82-6	2,4-DB	350	P	24.1	66.8	ug/Kg
88-85-7	DINOSEB	100		10.8	66.8	ug/Kg
87-86-5	Pentachlorophenol	429		12.6	66.8	ug/Kg
100-02-7	4-Nitrophenol	488		18.3	66.8	ug/Kg
1918-02-1	PICLORAM	319		9.80	66.8	ug/Kg
1861-32-1	DCPA	17.8	U	17.8	66.8	ug/Kg
51-36-5	3,5-DICHLOROBENZOIC AC	9.40	U	9.40	66.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	417		10 - 141	83%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Soil PT	Date Received:	04/24/25
Client Sample ID:	HW0425-PT-HERB-SOIL	SDG No.:	Q1872
Lab Sample ID:	Q1872-17	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030486.D	1	05/30/25 08:20	06/04/25 15:36	PB168207

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\PS060425\
 Data File : PS030486.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 15:36
 Operator : AR\AJ
 Sample : Q1872-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HW0425-PT-HERB-SOIL

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/05/2025
 Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 16:44:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.362	7.771	1575.6E6	322.8E6	417.366m	300.063m#
Target Compounds						
3) T 4-Nitroph...	7.165	7.305	1861.3E6	2301.8E6	1015.024	1468.672 #
5) T DICAMBA	7.559	7.977	20604.2E6	9190.4E6	1335.982	1426.723
8) T DICHLORPROP	8.276	8.697	6362.7E6	2689.3E6	1748.877	1811.932
9) T 2,4-D	8.509	9.034	7819.8E6	3491.0E6	2146.177	2220.315
10) T Pentachlo...	8.827	9.562	56062.9E6	46613.6E6	1103.901	1289.878
11) T 2,4,5-TP ...	9.401	9.941	32804.9E6	23021.6E6	1587.454	1678.360
12) T 2,4,5-T	9.695	10.367	22796.6E6	15963.2E6	1236.859	1222.566
13) T 2,4-DB	10.277	10.934	1953.6E6	1211.1E6	643.392m	1053.555m#
14) T DINOSEB	11.497	11.321	3747.8E6	3027.3E6	260.719	301.220m
15) T Picloram	11.304	12.429	19205.0E6	19911.7E6	960.021	901.640

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 15:36
Operator : AR\AJ
Sample : Q1872-17
Misc :
ALS Vial : 6 Sample Multiplier: 1

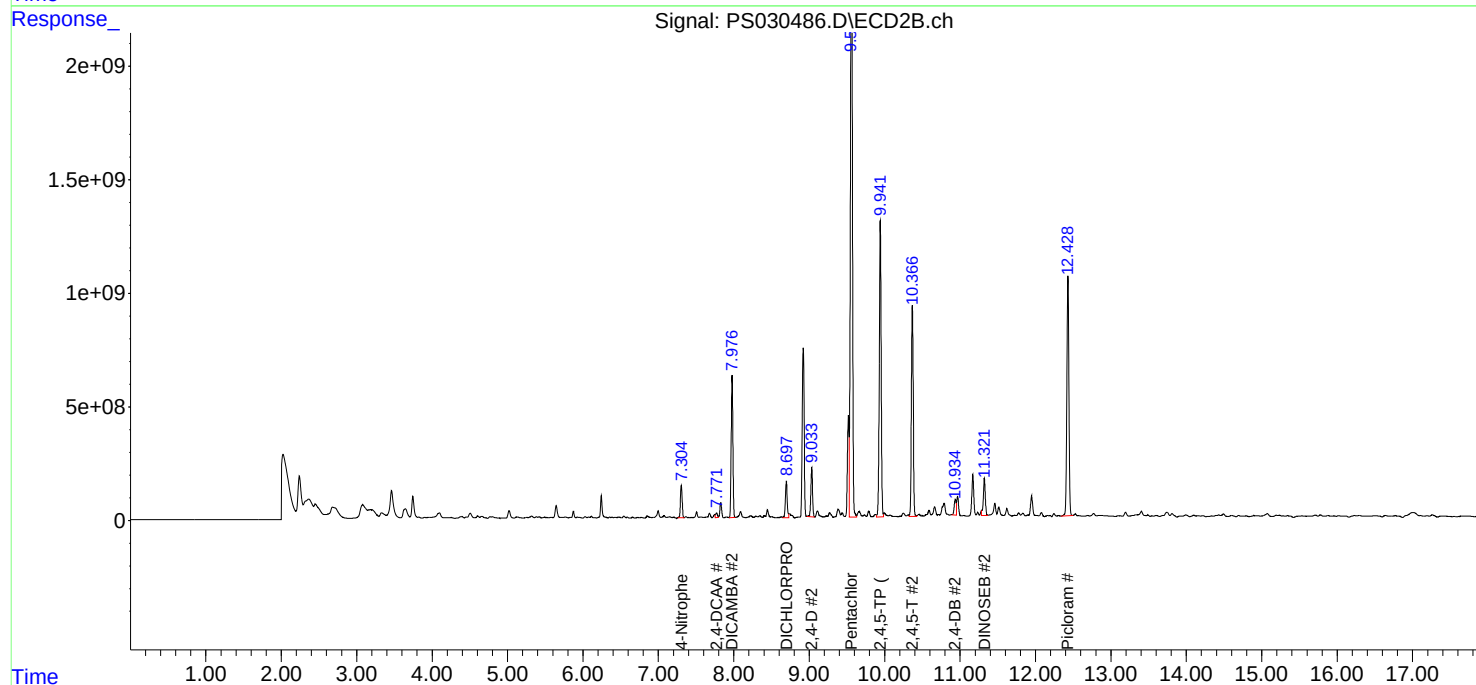
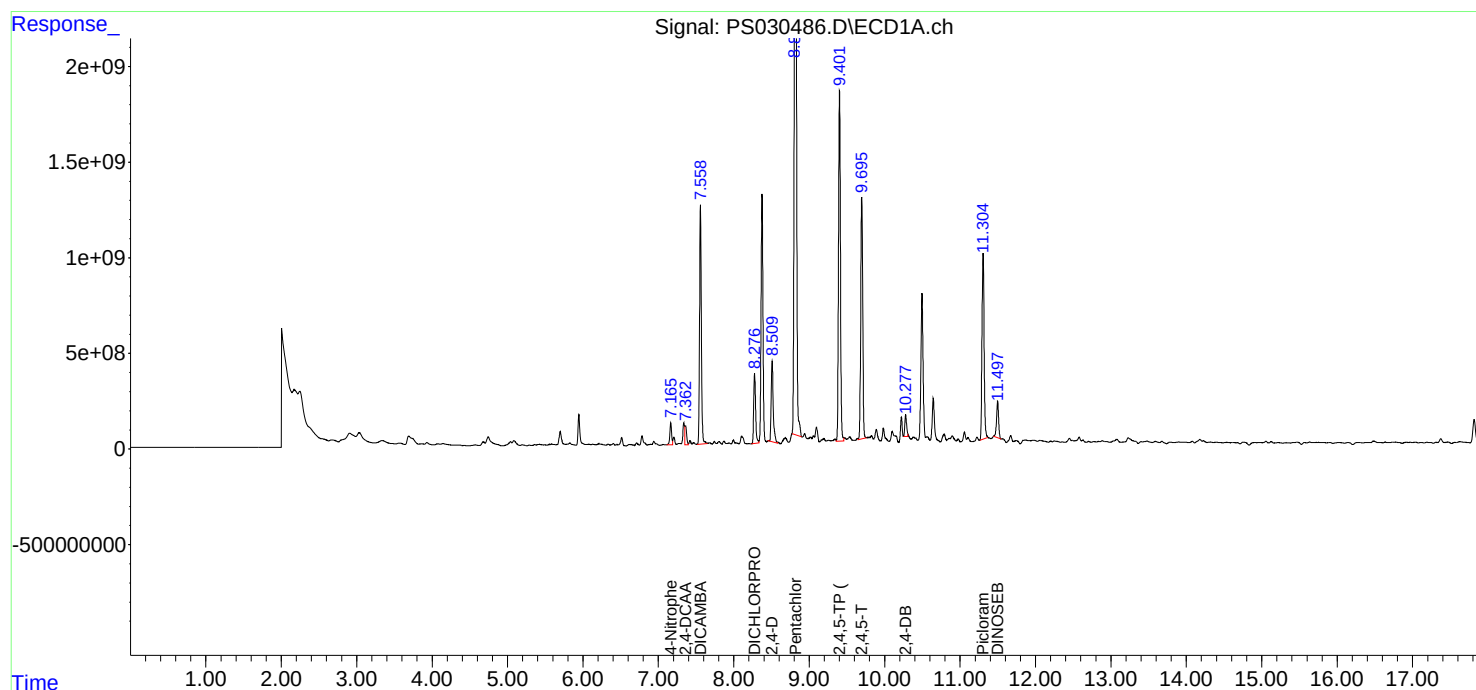
Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOIL

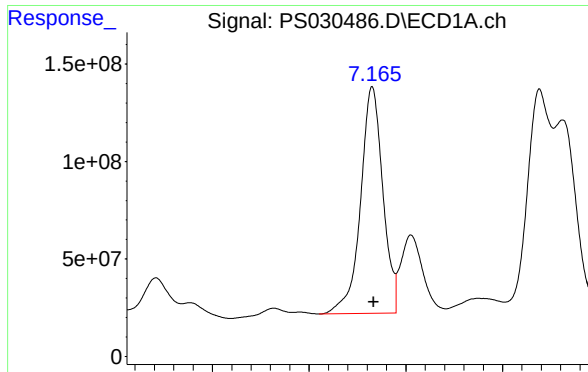
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/05/2025
Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 16:44:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial 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





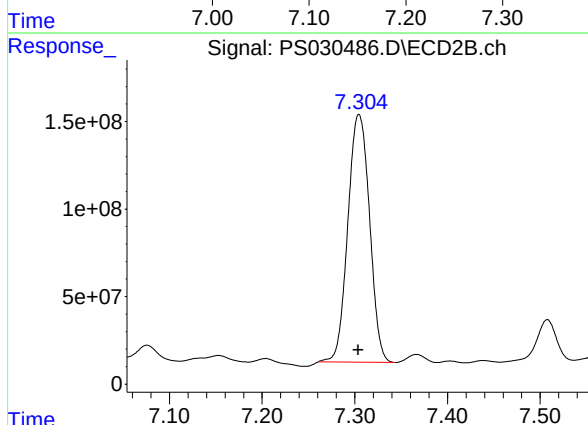
#3 4-Nitrophenol

R.T.: 7.165 min
Delta R.T.: -0.002 min
Response: 1861305227
Conc: 1015.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOIL

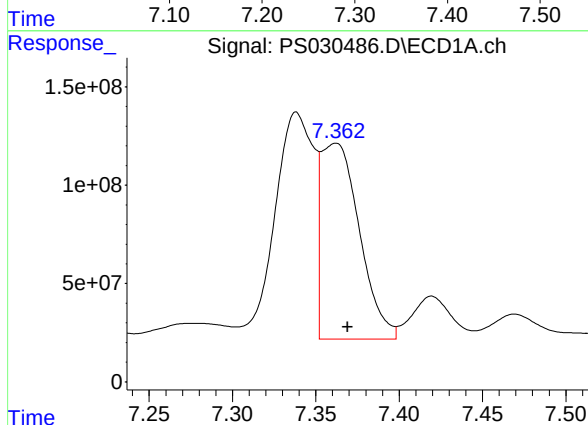
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



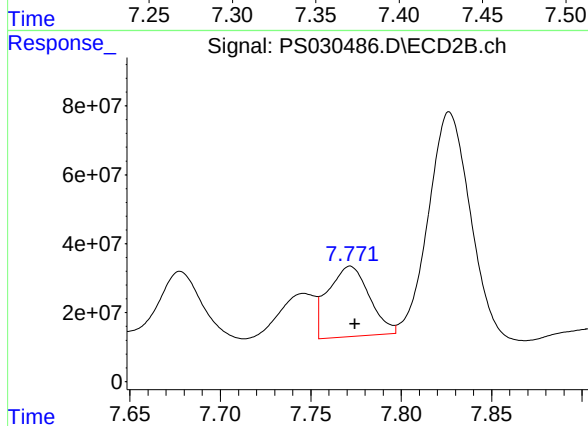
#3 4-Nitrophenol

R.T.: 7.305 min
Delta R.T.: 0.000 min
Response: 2301764707
Conc: 1468.67 ng/ml



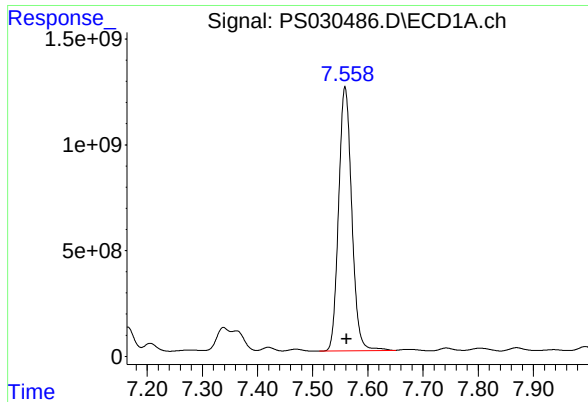
#4 2,4-DCAA

R.T.: 7.362 min
Delta R.T.: -0.007 min
Response: 1575615775
Conc: 417.37 ng/ml m



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: -0.003 min
Response: 322751143
Conc: 300.06 ng/ml m



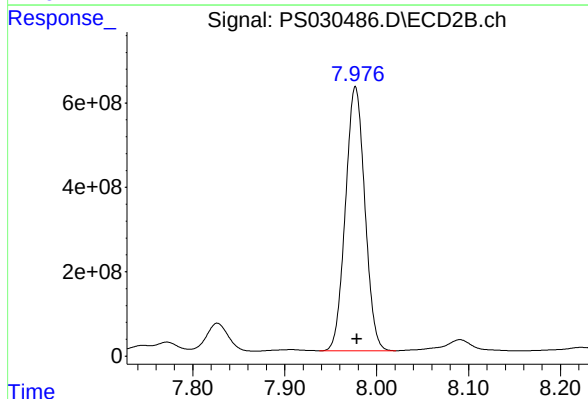
#5 DICAMBA

R.T.: 7.559 min
Delta R.T.: -0.003 min
Response: 20604238650
Conc: 1335.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOIL

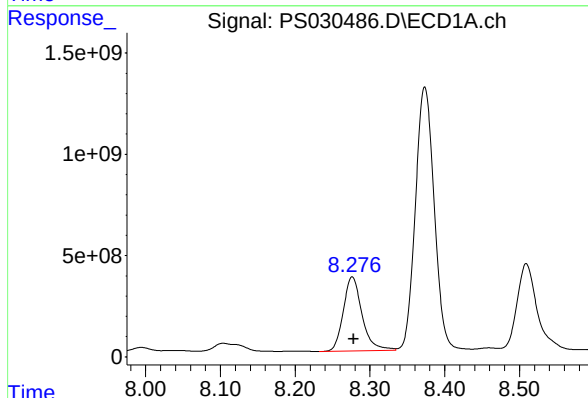
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



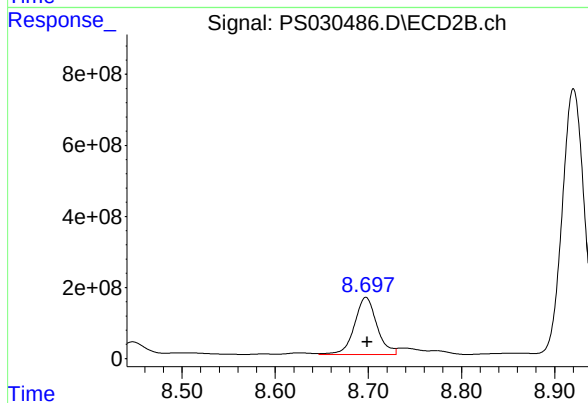
#5 DICAMBA

R.T.: 7.977 min
Delta R.T.: -0.002 min
Response: 9190448630
Conc: 1426.72 ng/ml



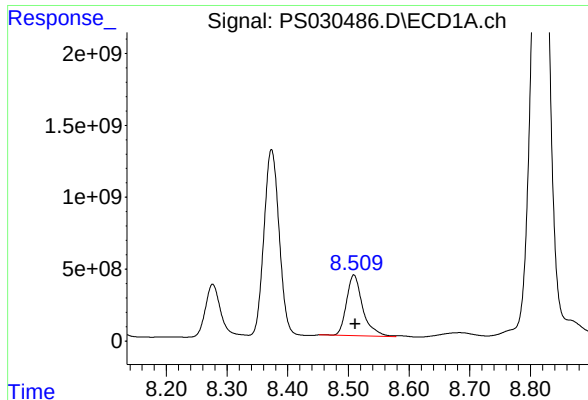
#8 DICHLORPROP

R.T.: 8.276 min
Delta R.T.: -0.002 min
Response: 6362669803
Conc: 1748.88 ng/ml



#8 DICHLORPROP

R.T.: 8.697 min
Delta R.T.: -0.002 min
Response: 2689276417
Conc: 1811.93 ng/ml



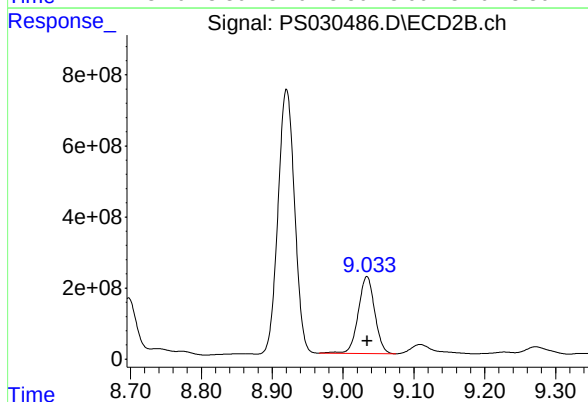
#9 2,4-D

R.T.: 8.509 min
Delta R.T.: -0.002 min
Response: 7819835561
Conc: 2146.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOIL

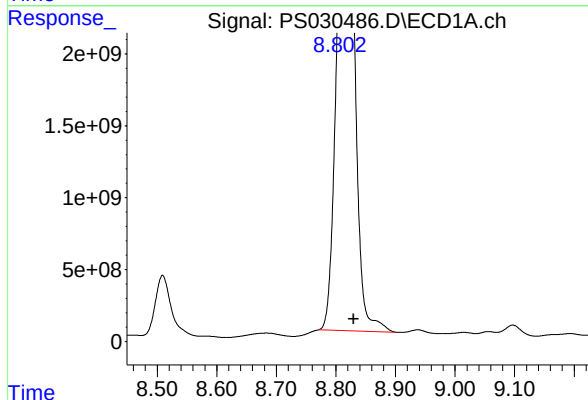
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



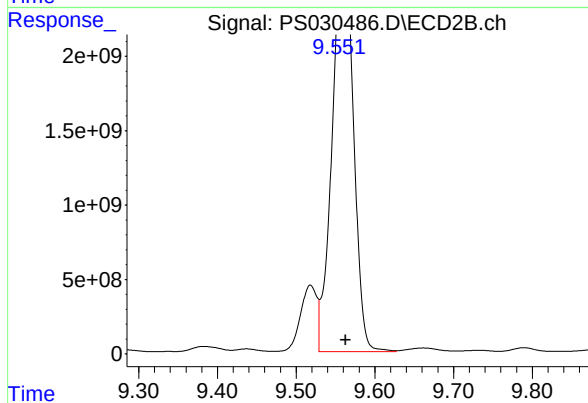
#9 2,4-D

R.T.: 9.034 min
Delta R.T.: 0.000 min
Response: 3491047750
Conc: 2220.32 ng/ml



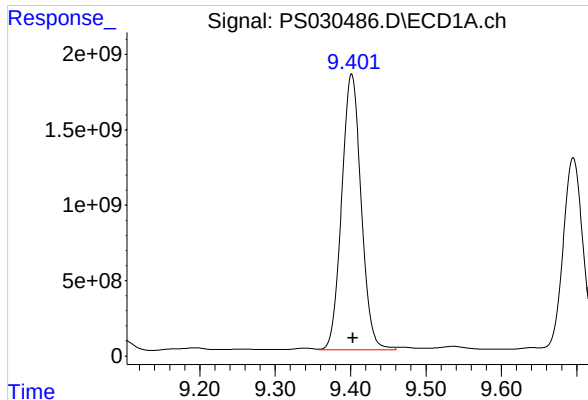
#10 Pentachlorophenol

R.T.: 8.827 min
Delta R.T.: -0.003 min
Response: 56062905702
Conc: 1103.90 ng/ml



#10 Pentachlorophenol

R.T.: 9.562 min
Delta R.T.: 0.000 min
Response: 46613631343
Conc: 1289.88 ng/ml



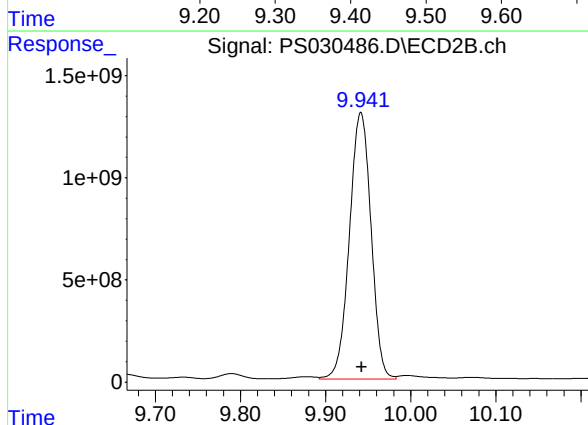
#11 2,4,5-TP (SILVEX)

R.T.: 9.401 min
Delta R.T.: -0.002 min
Response: 32804874551
Conc: 1587.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOIL

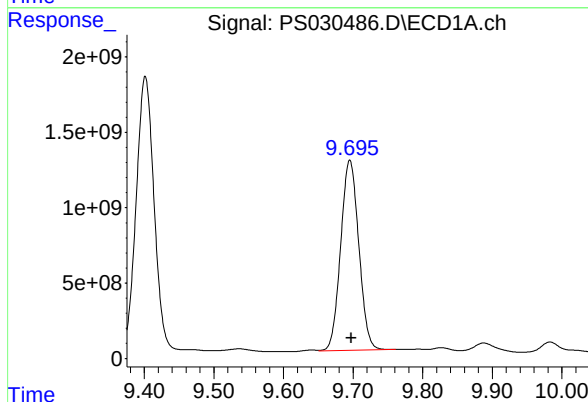
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



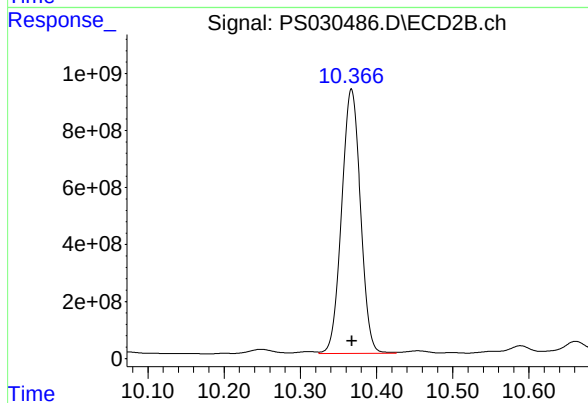
#11 2,4,5-TP (SILVEX)

R.T.: 9.941 min
Delta R.T.: 0.000 min
Response: 23021637993
Conc: 1678.36 ng/ml



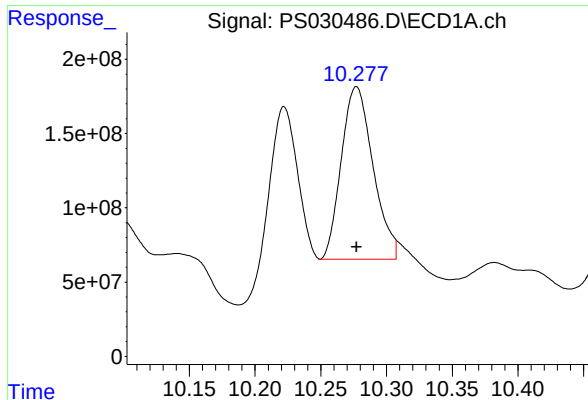
#12 2,4,5-T

R.T.: 9.695 min
Delta R.T.: -0.002 min
Response: 22796620438
Conc: 1236.86 ng/ml



#12 2,4,5-T

R.T.: 10.367 min
Delta R.T.: 0.000 min
Response: 15963198070
Conc: 1222.57 ng/ml



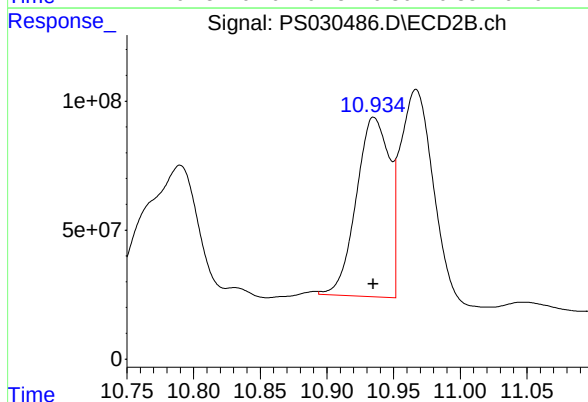
#13 2,4-DB

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 1953571957
Conc: 643.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOIL

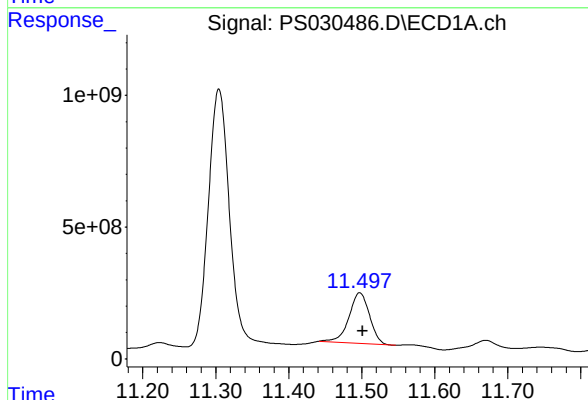
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



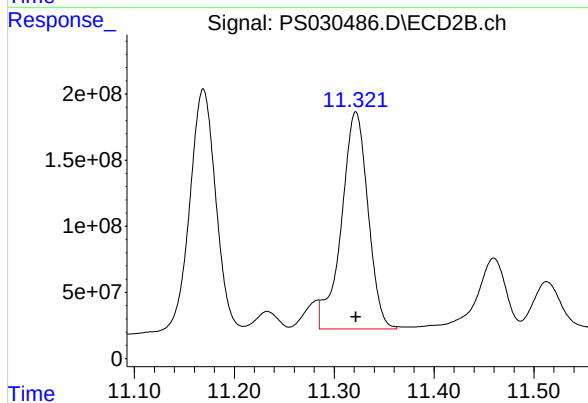
#13 2,4-DB

R.T.: 10.934 min
Delta R.T.: 0.000 min
Response: 1211116477
Conc: 1053.55 ng/ml m



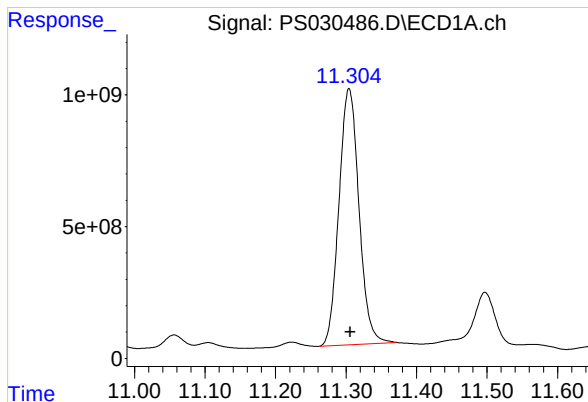
#14 DINOSEB

R.T.: 11.497 min
Delta R.T.: -0.004 min
Response: 3747812171
Conc: 260.72 ng/ml



#14 DINOSEB

R.T.: 11.321 min
Delta R.T.: 0.000 min
Response: 3027297282
Conc: 301.22 ng/ml m



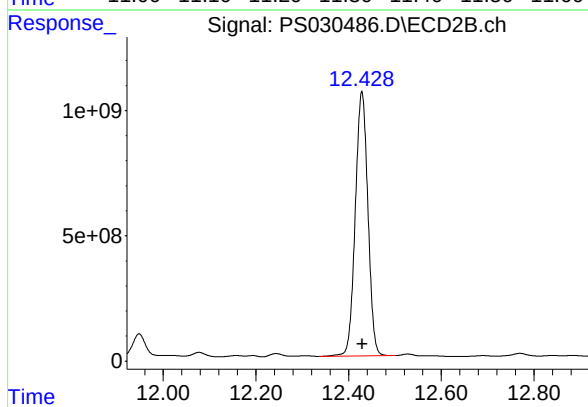
#15 Picloram

R.T.: 11.304 min
Delta R.T.: -0.002 min
Response: 19205039985
Conc: 960.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOIL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#15 Picloram

R.T.: 12.429 min
Delta R.T.: -0.001 min
Response: 19911713894
Conc: 901.64 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-HERB-SOILDL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-17DL		Matrix:	SOIL	
Analytical Method:	8151A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030487.D	2	05/30/25 08:20	06/04/25 16:00	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
93-65-2	MCPP	1.90	UD	1.90	13.4	ug/Kg
1918-00-9	DICAMBA	458	D	15.5	134	ug/Kg
75-99-0	DALAPON	34.9	UD	34.9	134	ug/Kg
94-74-6	MCPA	5.10	UD	5.10	13.4	ug/Kg
120-36-5	DICHLORPROP	575	D	25.5	134	ug/Kg
94-75-7	2,4-D	712	D	18.0	134	ug/Kg
93-72-1	2,4,5-TP (Silvex)	567	D	18.1	134	ug/Kg
93-76-5	2,4,5-T	411	D	17.3	134	ug/Kg
94-82-6	2,4-DB	316	DP	48.3	134	ug/Kg
88-85-7	DINOSEB	87.4	JD	21.5	134	ug/Kg
87-86-5	Pentachlorophenol	548	D	25.1	134	ug/Kg
100-02-7	4-Nitrophenol	421	D	36.7	134	ug/Kg
1918-02-1	PICLORAM	296	D	19.6	134	ug/Kg
1861-32-1	DCPA	35.7	UD	35.7	134	ug/Kg
51-36-5	3,5-DICHLOROBENZOIC AC	18.8	UD	18.8	134	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	423		10 - 141	85%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Soil PT	Date Received:	04/24/25
Client Sample ID:	HW0425-PT-HERB-SOILDL	SDG No.:	Q1872
Lab Sample ID:	Q1872-17DL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030487.D	2	05/30/25 08:20	06/04/25 16:00	PB168207

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\PS060425\
 Data File : PS030487.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 16:00
 Operator : AR\AJ
 Sample : Q1872-17DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HW0425-PT-HERB-SOILD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
 Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 16:58:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.362	7.772	797.6E6	155.3E6	211.281m	144.350m#
Target Compounds							
3) T	4-Nitroph...	7.165	7.304	903.1E6	992.9E6	492.472	633.501 #
5) T	DICAMBA	7.559	7.977	10516.1E6	4434.4E6	681.865	688.396
8) T	DICHLORPROP	8.276	8.697	3146.5E6	1275.6E6	864.859	859.467
9) T	2,4-D	8.508	9.034	3901.6E6	1310.3E6	1070.797	833.361
10) T	Pentachlo...	8.818	9.560	41849.1E6	26082.0E6	824.024	721.733
11) T	2,4,5-TP ...	9.401	9.941	16930.6E6	11691.0E6	819.285	852.318
12) T	2,4,5-T	9.694	10.368	11373.8E6	8080.6E6	617.101	618.863
13) T	2,4-DB	10.277	10.935	955.8E6	546.0E6	314.779m	474.958m#
14) T	DINOSEB	11.498	11.323	1889.1E6	1190.9E6	131.416	118.500m
15) T	Picloram	11.303	12.428	8903.7E6	9353.6E6	445.080	423.548

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 16:00
Operator : AR\AJ
Sample : Q1872-17DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

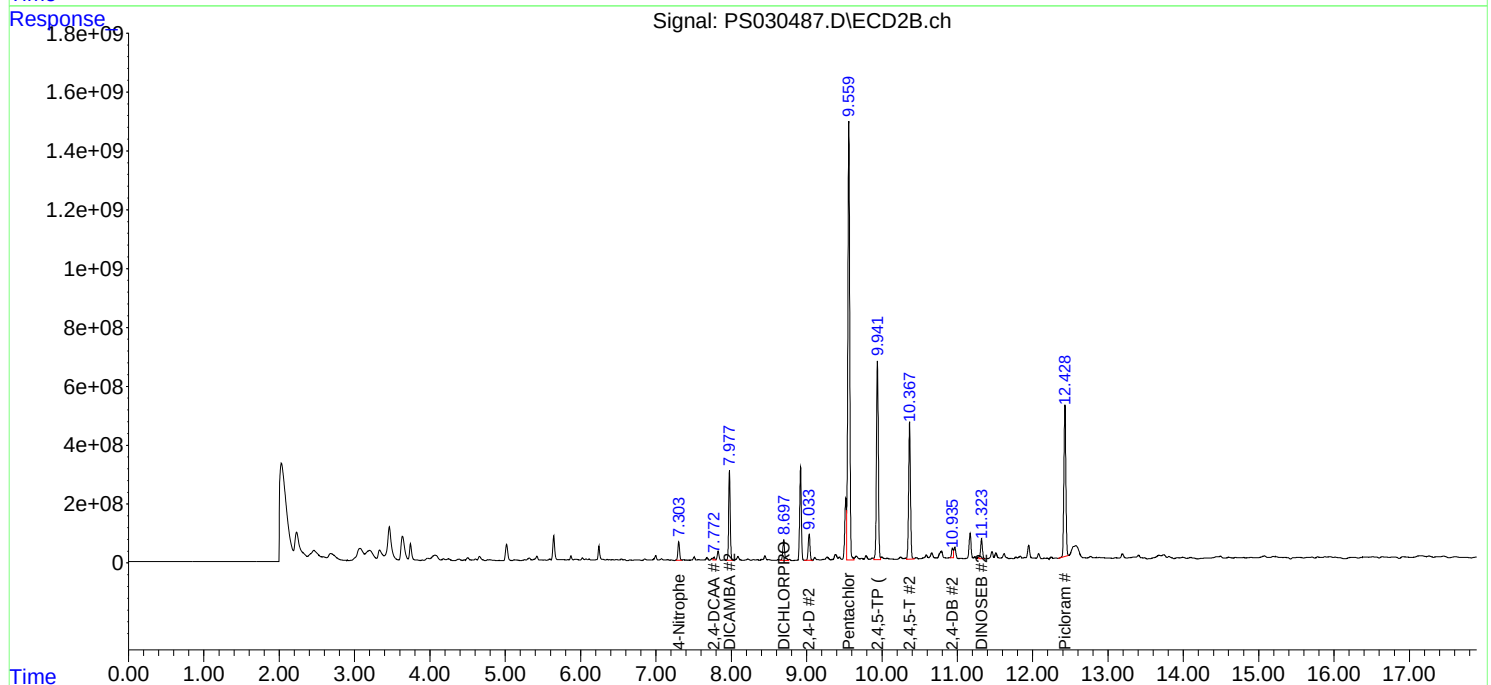
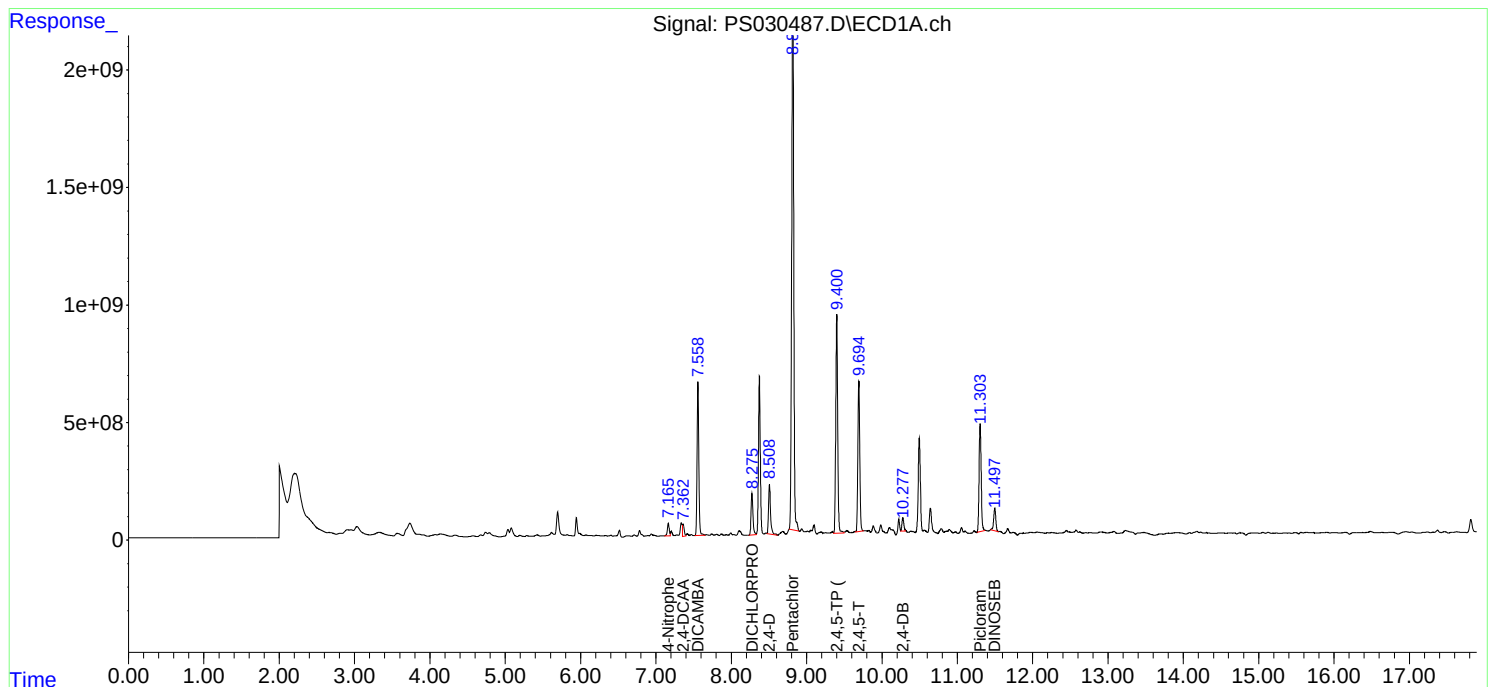
Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOILD

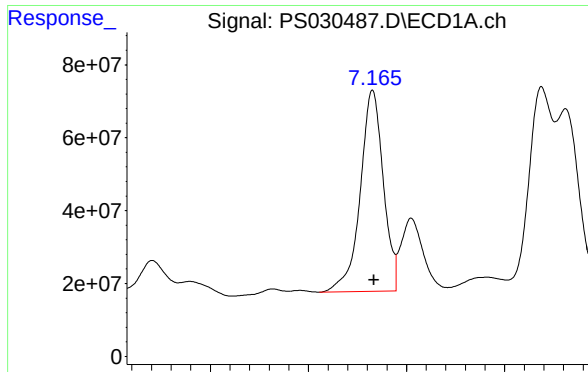
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/05/2025
Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 16:58:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial 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





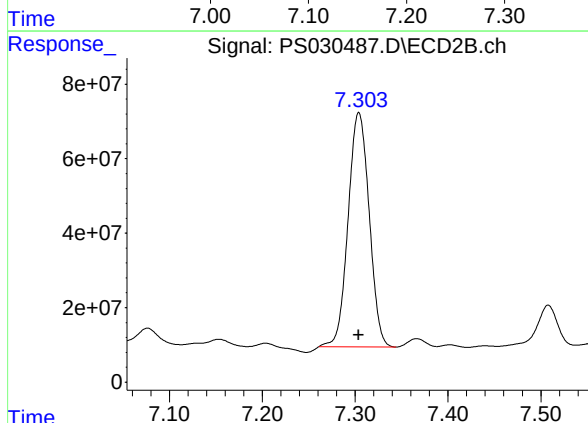
#3 4-Nitrophenol

R.T.: 7.165 min
Delta R.T.: -0.002 min
Response: 903072934
Conc: 492.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOILD

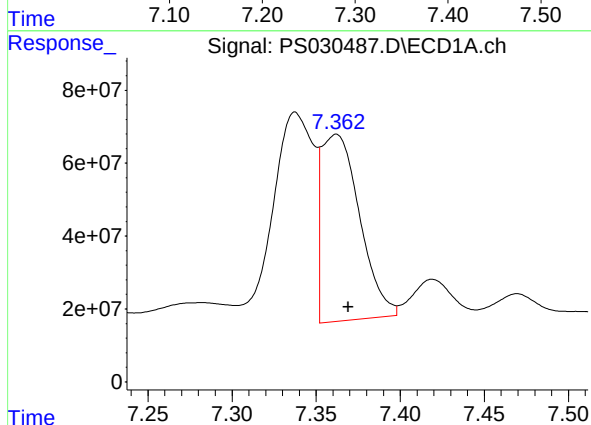
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



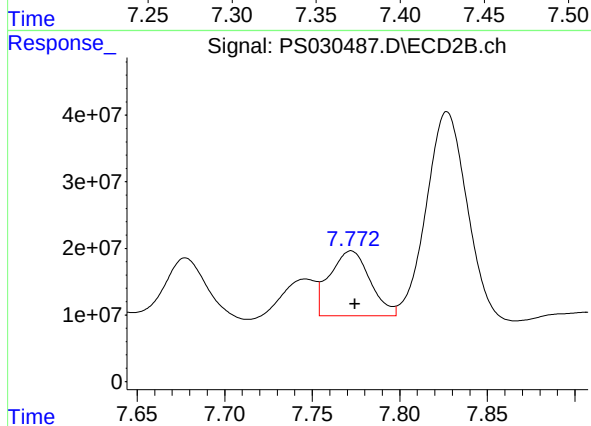
#3 4-Nitrophenol

R.T.: 7.304 min
Delta R.T.: 0.000 min
Response: 992850027
Conc: 633.50 ng/ml



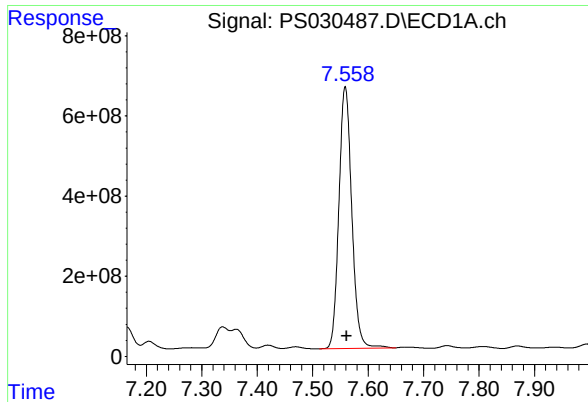
#4 2,4-DCAA

R.T.: 7.362 min
Delta R.T.: -0.007 min
Response: 797616475
Conc: 211.28 ng/ml m



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 155263939
Conc: 144.35 ng/ml m



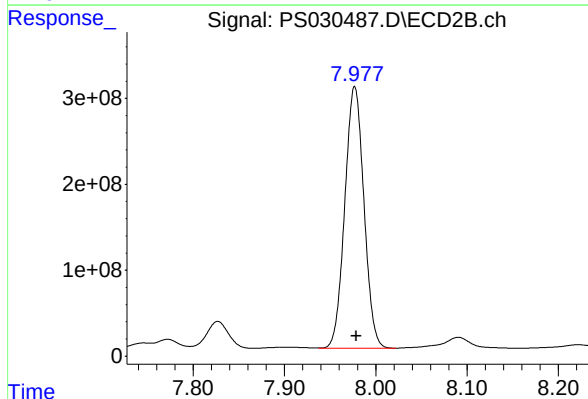
#5 DICAMBA

R.T.: 7.559 min
Delta R.T.: -0.003 min
Response: 10516086467
Conc: 681.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOILD

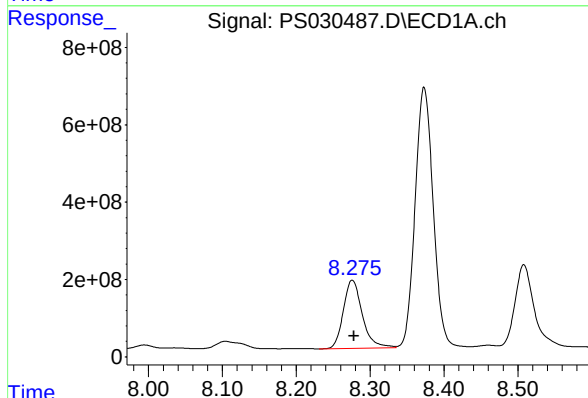
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



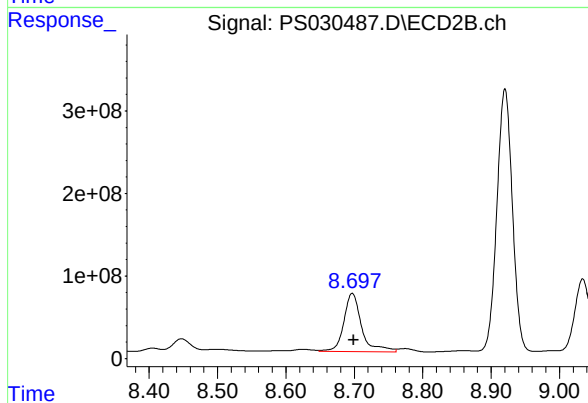
#5 DICAMBA

R.T.: 7.977 min
Delta R.T.: -0.001 min
Response: 4434405753
Conc: 688.40 ng/ml



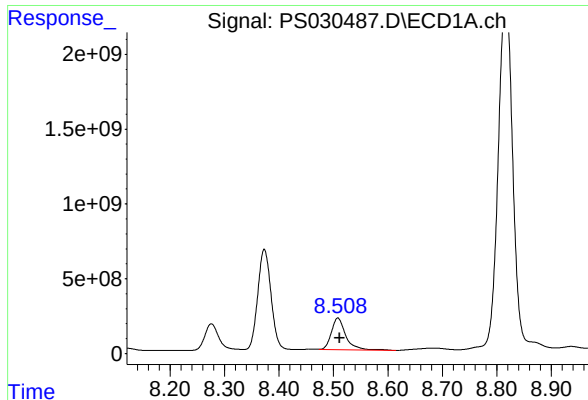
#8 DICHLORPROP

R.T.: 8.276 min
Delta R.T.: -0.002 min
Response: 3146483418
Conc: 864.86 ng/ml



#8 DICHLORPROP

R.T.: 8.697 min
Delta R.T.: -0.002 min
Response: 1275624038
Conc: 859.47 ng/ml



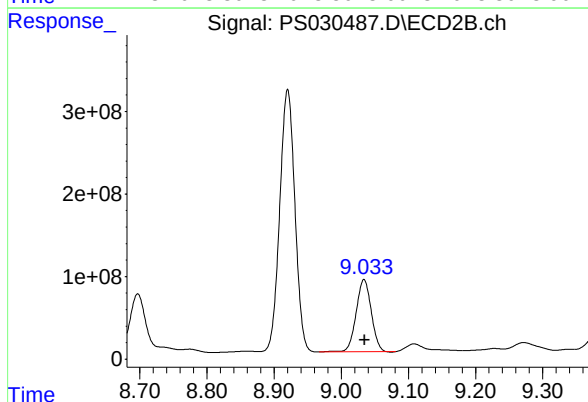
#9 2,4-D

R.T.: 8.508 min
Delta R.T.: -0.003 min
Response: 3901567037
Conc: 1070.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOILD

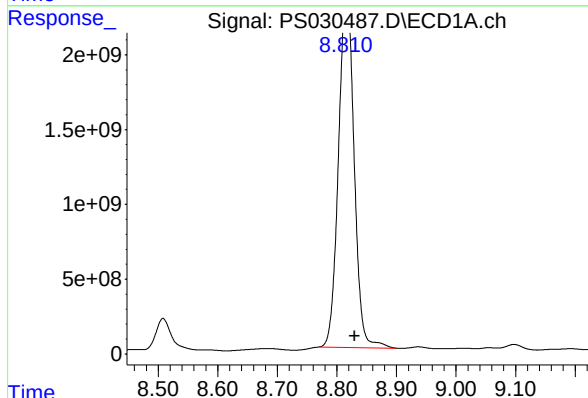
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



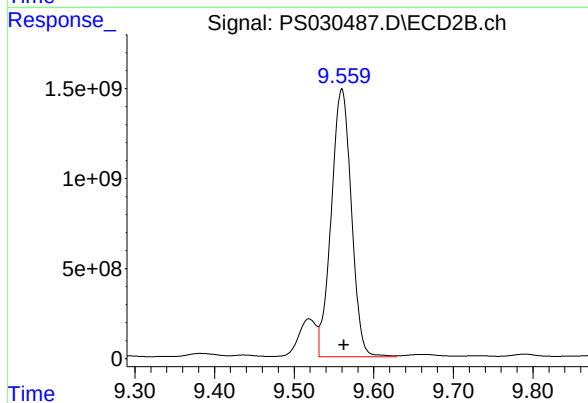
#9 2,4-D

R.T.: 9.034 min
Delta R.T.: 0.000 min
Response: 1310311389
Conc: 833.36 ng/ml



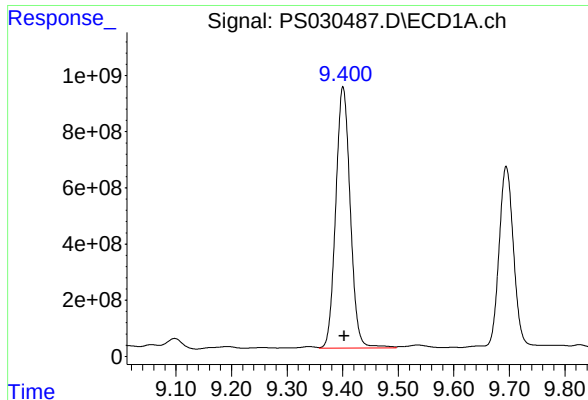
#10 Pentachlorophenol

R.T.: 8.818 min
Delta R.T.: -0.012 min
Response: 41849053434
Conc: 824.02 ng/ml



#10 Pentachlorophenol

R.T.: 9.560 min
Delta R.T.: -0.003 min
Response: 26081999641
Conc: 721.73 ng/ml



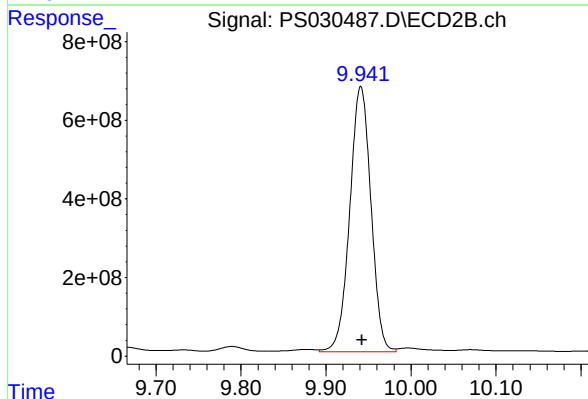
#11 2,4,5-TP (SILVEX)

R.T.: 9.401 min
Delta R.T.: -0.002 min
Response: 16930603868
Conc: 819.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOILD

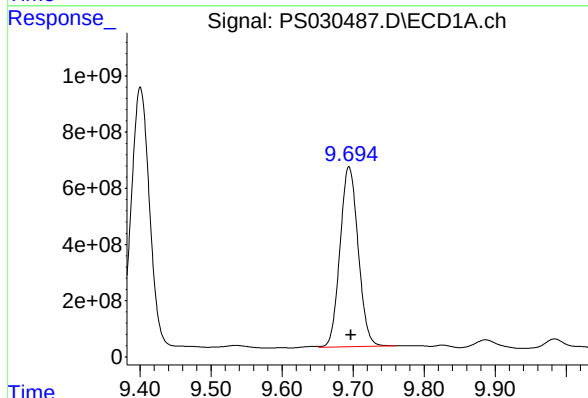
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



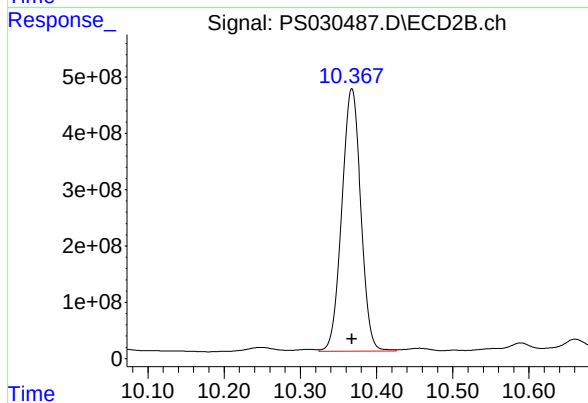
#11 2,4,5-TP (SILVEX)

R.T.: 9.941 min
Delta R.T.: -0.001 min
Response: 11691032228
Conc: 852.32 ng/ml



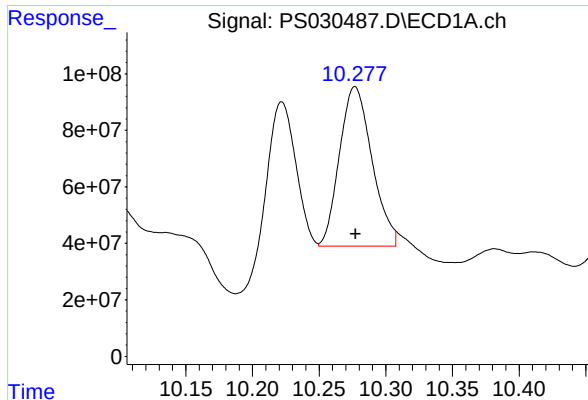
#12 2,4,5-T

R.T.: 9.694 min
Delta R.T.: -0.003 min
Response: 11373824716
Conc: 617.10 ng/ml



#12 2,4,5-T

R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 8080567710
Conc: 618.86 ng/ml



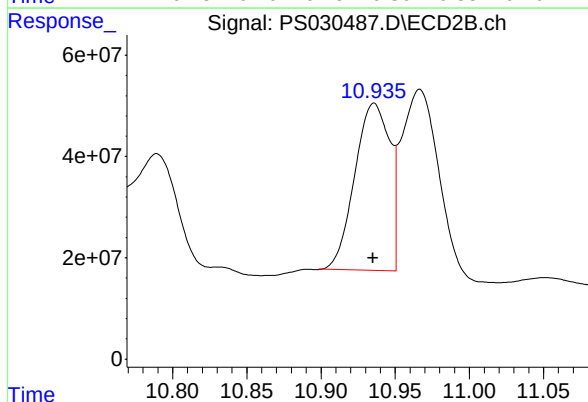
#13 2,4-DB

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 955784155
Conc: 314.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOILDL

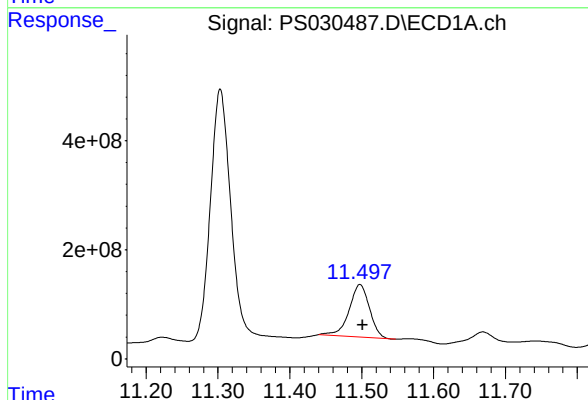
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



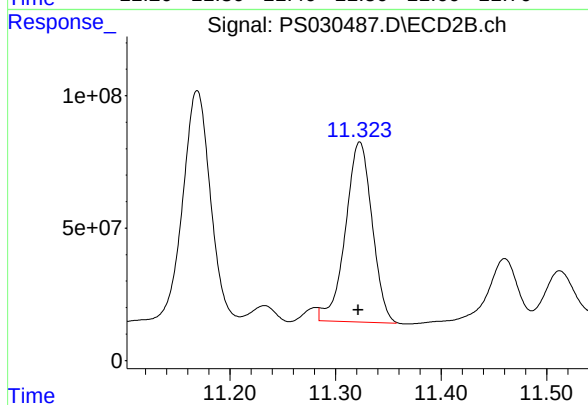
#13 2,4-DB

R.T.: 10.935 min
Delta R.T.: 0.000 min
Response: 545989589
Conc: 474.96 ng/ml m



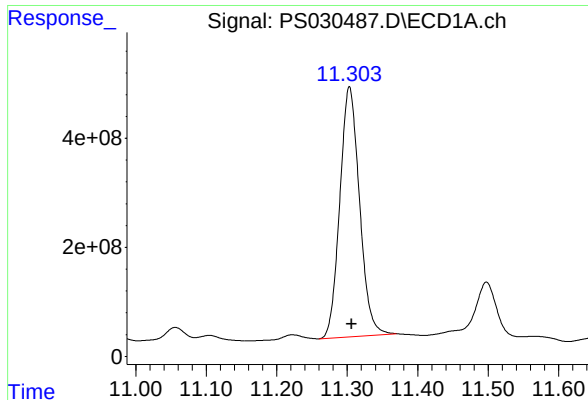
#14 DINOSEB

R.T.: 11.498 min
Delta R.T.: -0.004 min
Response: 1889102709
Conc: 131.42 ng/ml



#14 DINOSEB

R.T.: 11.323 min
Delta R.T.: 0.000 min
Response: 1190935464
Conc: 118.50 ng/ml m



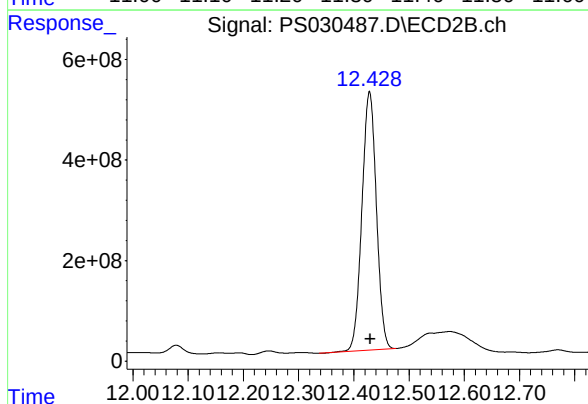
#15 Picloram

R.T.: 11.303 min
Delta R.T.: -0.003 min
Response: 8903741646
Conc: 445.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HW0425-PT-HERB-SOILD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#15 Picloram

R.T.: 12.428 min
Delta R.T.: -0.001 min
Response: 9353583787
Conc: 423.55 ng/ml



CALIBRATION SUMMARY

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.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872
Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025
Calibration Times: 11:19 12:55
GC Column: RTX-CLP **ID:** 0.32 (mm)

LAB FILE ID:		CF 200 = <u>PS030476.D</u>		CF 500 = <u>PS030477.D</u>			
CF 750 = <u>PS030478.D</u>		CF 1000 = <u>PS030479.D</u>		CF 1500 = <u>PS030480.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	20110200000	18445100000	18262000000	18165800000	17172200000	18431100000	6
2,4,5-TP(Silvex)	23444500000	20930200000	20252400000	19918900000	18779400000	20665100000	8
2,4-D	4208920000	3650560000	3531620000	3494410000	3332550000	3643610000	9
2,4-DB	3187030000	2969900000	2987600000	3055150000	2982130000	3036360000	3
2,4-DCAA	4505990000	3745160000	3587820000	3627070000	3409690000	3775150000	11
3,5-DICHLOROBENZOIC	6456300000	5510390000	5199860000	5109440000	4855760000	5426350000	11
4-Nitrophenol	2111900000	1822630000	1768530000	1767120000	1698600000	1833760000	9
Dalapon	6635610000	5627170000	5409030000	5378230000	5184820000	5646970000	10
DCPA	30450100000	27012700000	25894800000	25268900000	23574000000	26440100000	10
DICAMBA	17545300000	15532100000	14992100000	14866500000	14176500000	15422500000	8
DICHLORPROP	4363010000	3637540000	3480040000	3430450000	3279680000	3638150000	12
Dinoseb	16280300000	14486300000	14010300000	13907800000	13190000000	14374900000	8
MCPA	13031000000	12332000000	12484800000	12771300000	12827900000	12689400000	2
MCPP	9001790000	9583040000	9958660000	10355800000	10625200000	9904910000	6
Pentachlorophenol	61906800000	54957100000	52811700000	47511000000	36744300000	50786200000	19
PICLORAM	20862400000	19629100000	19837600000	20111400000	19583500000	20004800000	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03
Lab Code: CHEM **Case No.:** Q1872 **SAS No.:** Q1872 **SDG NO.:** Q1872
Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025
Calibration Times: 11:19 12:55

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

LAB FILE ID:		CF 200 = <u>PS030476.D</u>		CF 500 = <u>PS030477.D</u>			
CF 750 = <u>PS030478.D</u>		CF 1000 = <u>PS030479.D</u>		CF 1500 = <u>PS030480.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	14777200000	13128600000	12724600000	12611900000	12043300000	13057100000	8
2,4,5-TP(Silvex)	15627400000	13837500000	13337200000	13203400000	12578300000	13716700000	8
2,4-D	1858730000	1575260000	1504430000	1488570000	1434610000	1572320000	11
2,4-DB	1329650000	1149370000	1105700000	1098150000	1064880000	1149550000	9
2,4-DCAA	1341960000	1066160000	1011260000	997042000	961634000	1075610000	14
3,5-DICHLOROBENZOIC	1845800000	1567060000	1495310000	1479450000	1433630000	1564250000	11
4-Nitrophenol	1759700000	1543710000	1510600000	1525780000	1496410000	1567240000	7
Dalapon	3198400000	2714060000	2628110000	2611790000	2547720000	2740010000	10
DCPA	23004000000	20775400000	20050300000	19812900000	18672100000	20462900000	8
DICAMBA	7190560000	6384370000	6250780000	6263160000	6119370000	6441650000	7
DICHLORPROP	1789880000	1480180000	1413150000	1395780000	1342020000	1484200000	12
Dinoseb	11251500000	10033800000	9761280000	9784360000	9419650000	10050100000	7
MCPA	3313980000	2885240000	2955240000	3070390000	3204710000	3085910000	6
MCPP	2310700000	2289530000	2295540000	2341990000	2320190000	2311590000	1
Pentachlorophenol	41350200000	37183500000	35815700000	35253100000	31087500000	36138000000	10
PICLORAM	23118600000	21964900000	21893900000	22109900000	21332200000	22083900000	3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030476.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 11:19
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 13:16:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:07:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.369	7.773	901.2E6	268.4E6	233.974m	243.085
Target Compounds							
1) T	Dalapon	2.715	2.710	1207.7E6	582.1E6	209.575	208.784
2) T	3,5-DICHL...	6.525	6.716	1200.9E6	343.3E6	215.635	214.990
3) T	4-Nitroph...	7.168	7.303	384.4E6	320.3E6	205.814	202.067
5) T	DICAMBA	7.561	7.978	3298.5E6	1351.8E6	209.643	207.265
6) T	MCPD	7.741	8.073	169.2E6	43441130	17.402	18.810
7) T	MCPA	7.891	8.321	242.4E6	61640116	19.153	20.256m
8) T	DICHLORPROP	8.279	8.698	820.2E6	336.5E6	220.037	221.417
9) T	2,4-D	8.511	9.034	791.3E6	349.4E6	212.630	217.483
10) T	Pentachlo...	8.820	9.560	11762.3E6	7856.5E6	216.630	210.064
11) T	2,4,5-TP ...	9.404	9.941	4454.5E6	2969.2E6	210.747	212.066
12) T	2,4,5-T	9.698	10.368	3820.9E6	2807.7E6	203.830	210.935
13) T	2,4-DB	10.279	10.936	605.5E6	252.6E6	198.542	215.793
14) T	DINOSEB	11.502	11.322	3060.7E6	2115.3E6	208.620	207.224
15) T	Picloram	11.306	12.430	3963.9E6	4392.5E6	197.107	197.224
16) T	DCPA	11.798	12.366	5846.4E6	4416.8E6	215.285	211.221

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030476.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:19
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations

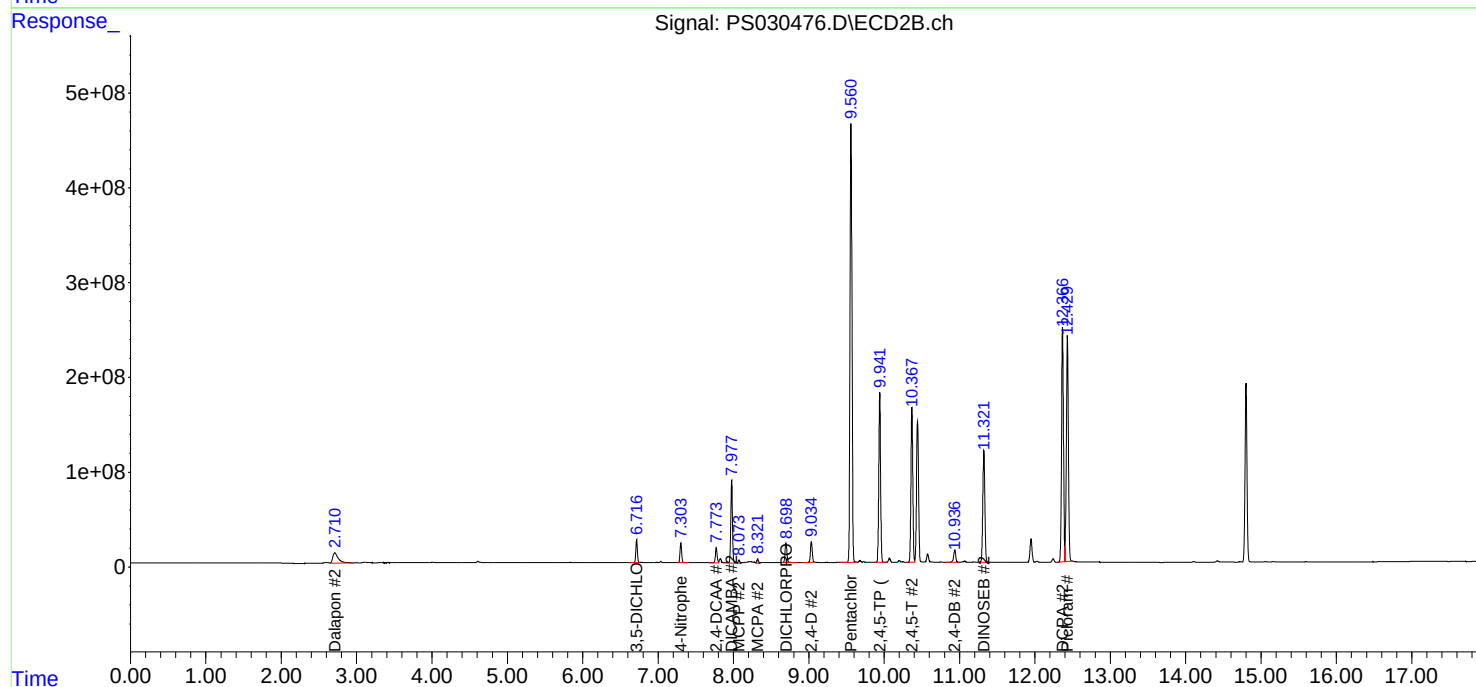
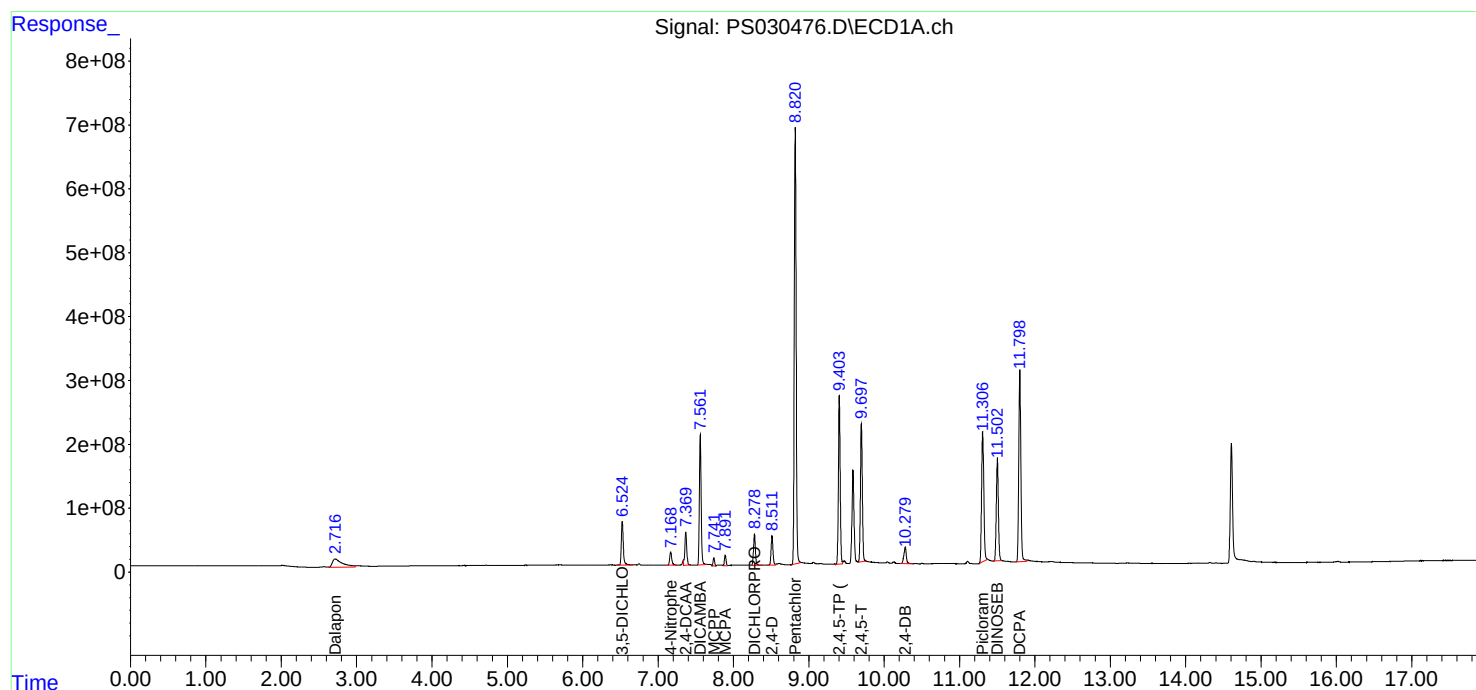
APPROVED

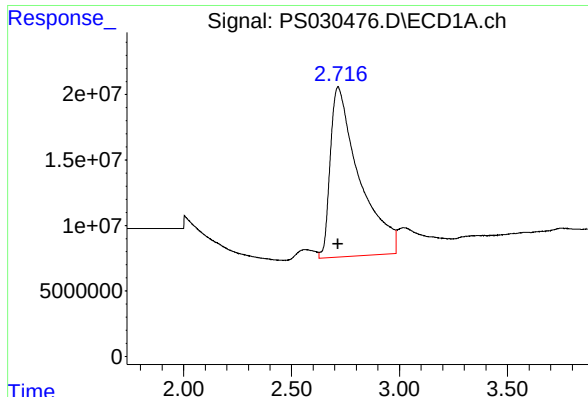
Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:16:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 2025
Response via : Initial 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.: 2.715 min
Delta R.T.: 0.000 min
Response: 1207680158
Conc: 209.58 ng/ml

Instrument :

ECD_S

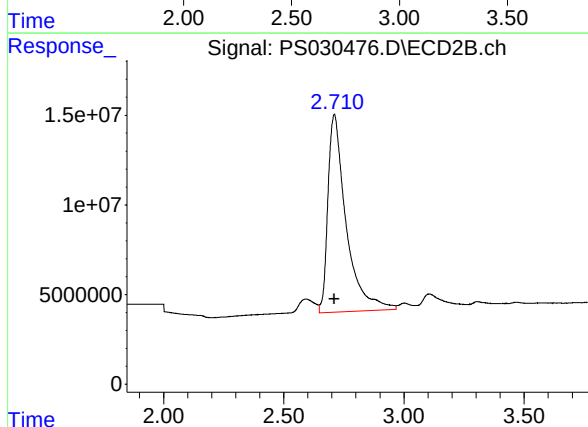
ClientSampleId :

HSTDICC200

Manual Integrations

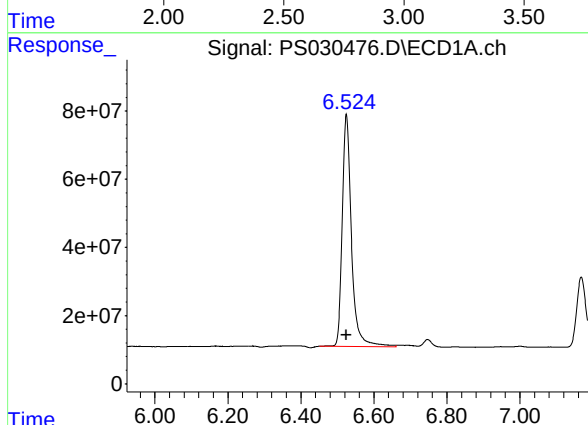
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



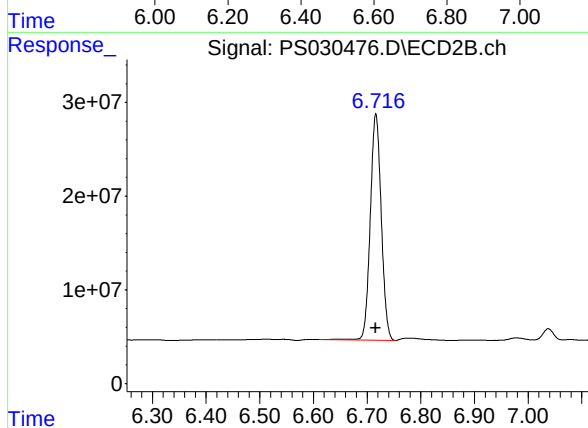
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 582108833
Conc: 208.78 ng/ml



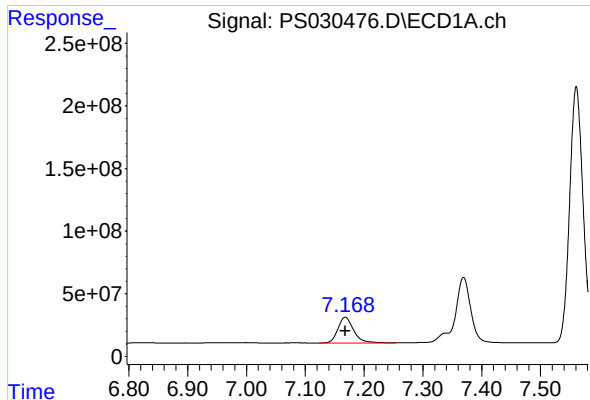
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.525 min
Delta R.T.: 0.000 min
Response: 1200871187
Conc: 215.64 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 343318212
Conc: 214.99 ng/ml



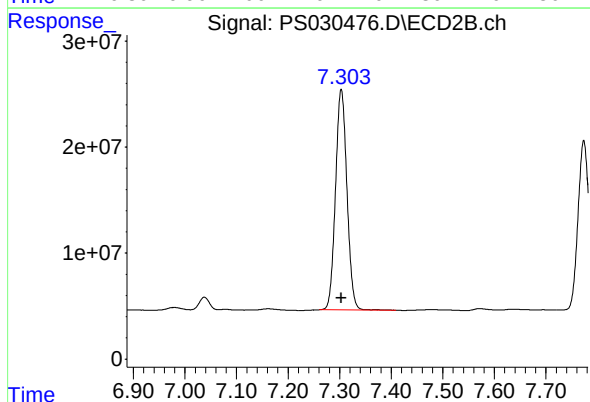
#3 4-Nitrophenol

R.T.: 7.168 min
Delta R.T.: 0.000 min
Response: 384365931
Conc: 205.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

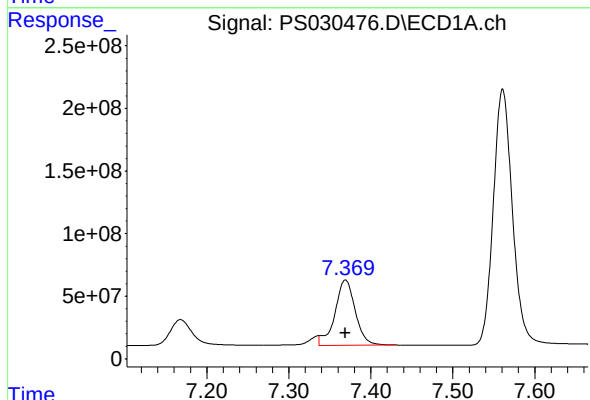
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



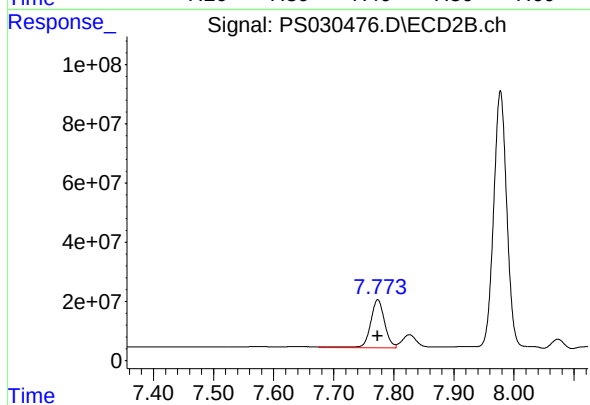
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: 0.000 min
Response: 320266147
Conc: 202.07 ng/ml



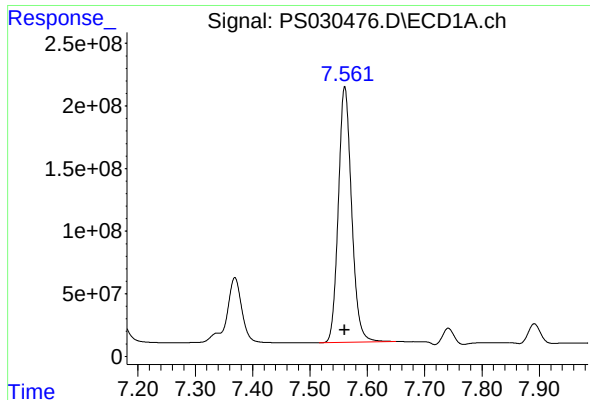
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 901197165
Conc: 233.97 ng/ml m



#4 2,4-DCAA

R.T.: 7.773 min
Delta R.T.: 0.000 min
Response: 268391079
Conc: 243.08 ng/ml



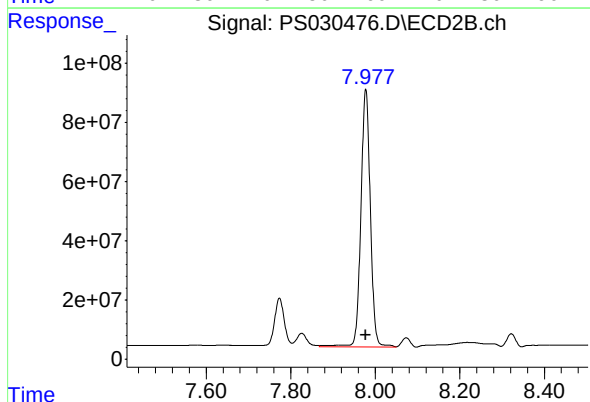
#5 DICAMBA

R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 3298523437
Conc: 209.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

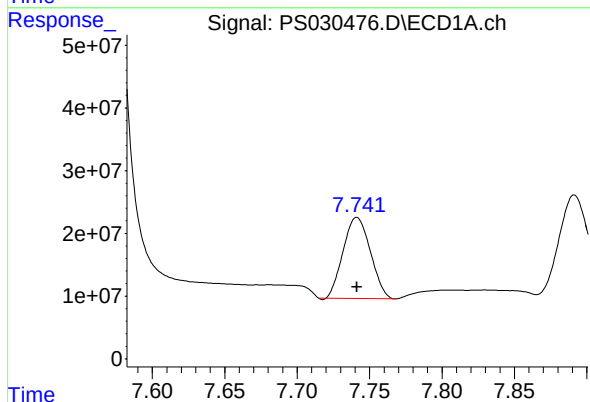
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



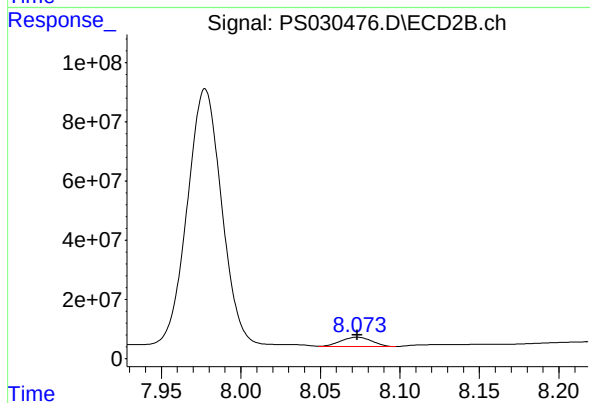
#5 DICAMBA

R.T.: 7.978 min
Delta R.T.: 0.000 min
Response: 1351824498
Conc: 207.26 ng/ml



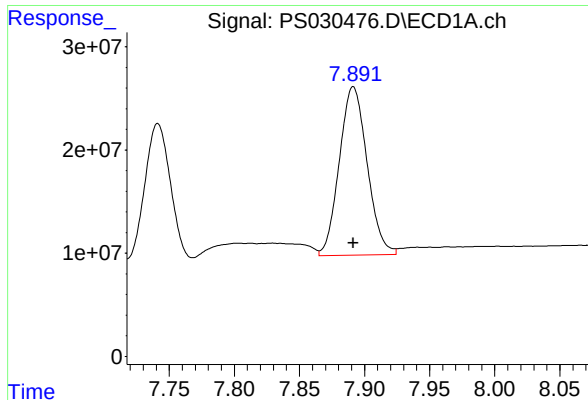
#6 MCPP

R.T.: 7.741 min
Delta R.T.: 0.000 min
Response: 169233666
Conc: 17.40 ug/ml



#6 MCPP

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 43441130
Conc: 18.81 ug/ml



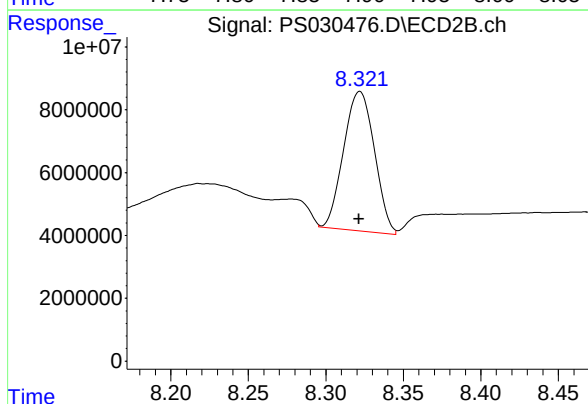
#7 MCPA

R.T.: 7.891 min
Delta R.T.: 0.000 min
Response: 242376816
Conc: 19.15 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

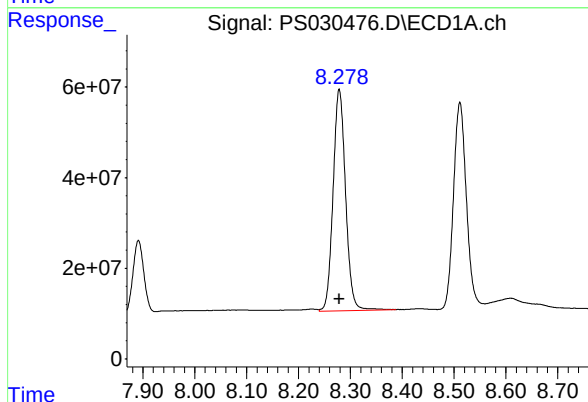
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



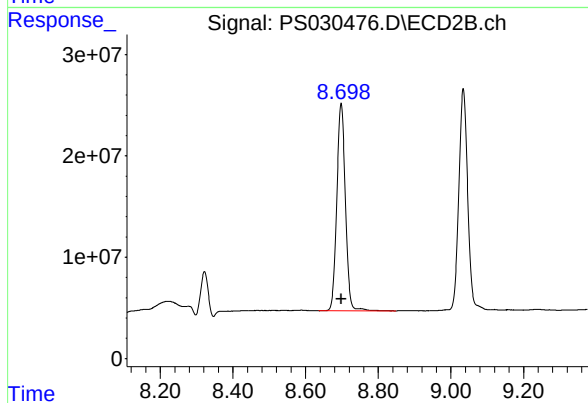
#7 MCPA

R.T.: 8.321 min
Delta R.T.: 0.000 min
Response: 61640116
Conc: 20.26 ug/ml



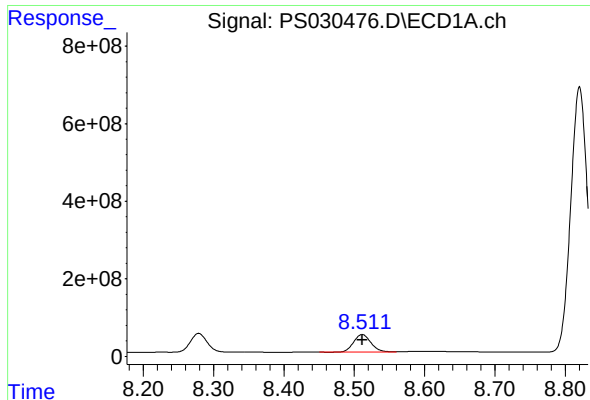
#8 DICHLORPROP

R.T.: 8.279 min
Delta R.T.: 0.000 min
Response: 820245511
Conc: 220.04 ng/ml



#8 DICHLORPROP

R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 336497495
Conc: 221.42 ng/ml



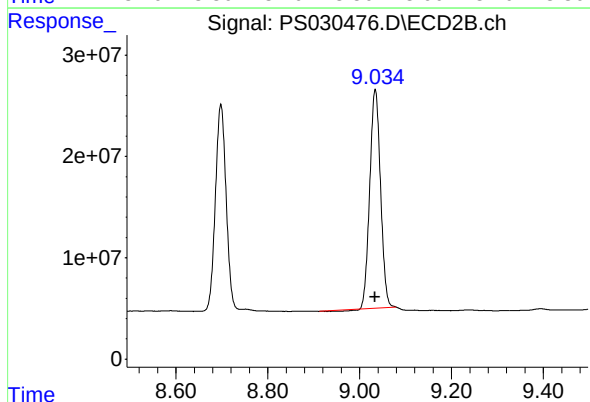
#9 2,4-D

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 791276840
Conc: 212.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

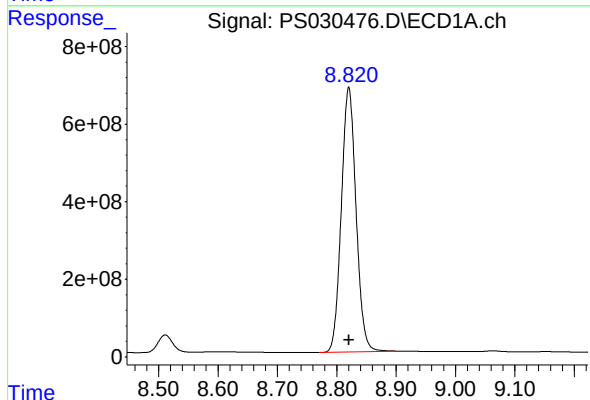
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



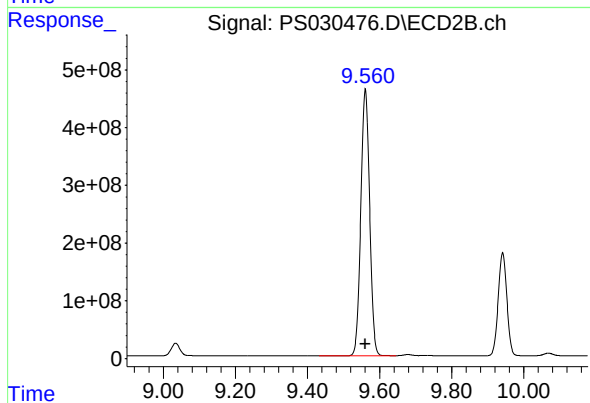
#9 2,4-D

R.T.: 9.034 min
Delta R.T.: 0.000 min
Response: 349440789
Conc: 217.48 ng/ml



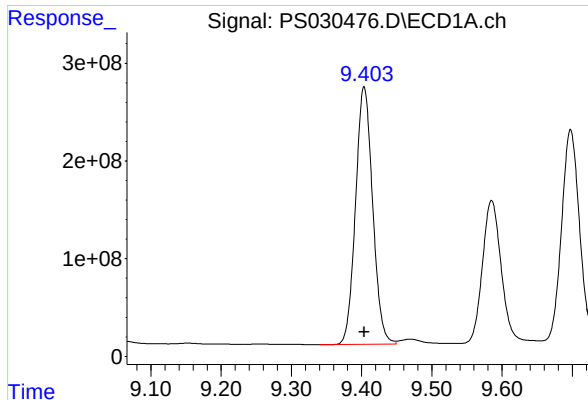
#10 Pentachlorophenol

R.T.: 8.820 min
Delta R.T.: 0.000 min
Response: 11762296337
Conc: 216.63 ng/ml



#10 Pentachlorophenol

R.T.: 9.560 min
Delta R.T.: 0.000 min
Response: 7856547031
Conc: 210.06 ng/ml



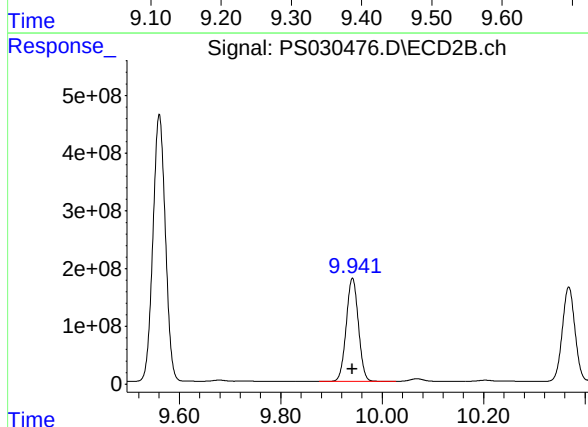
#11 2,4,5-TP (SILVEX)

R.T.: 9.404 min
Delta R.T.: 0.000 min
Response: 4454457487
Conc: 210.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

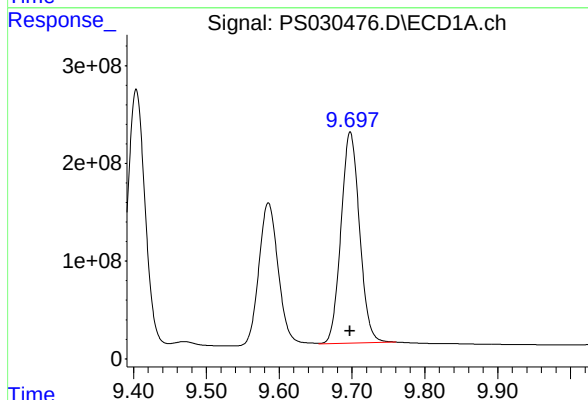
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



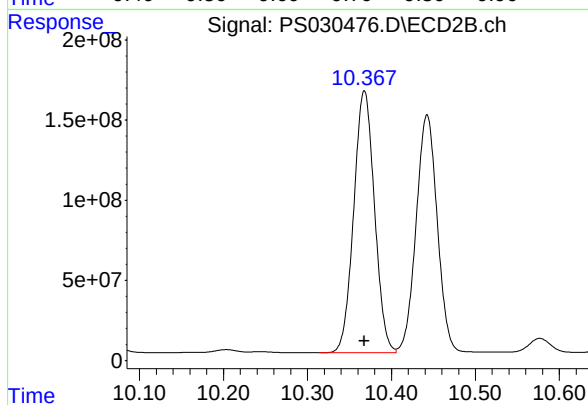
#11 2,4,5-TP (SILVEX)

R.T.: 9.941 min
Delta R.T.: 0.000 min
Response: 2969209355
Conc: 212.07 ng/ml



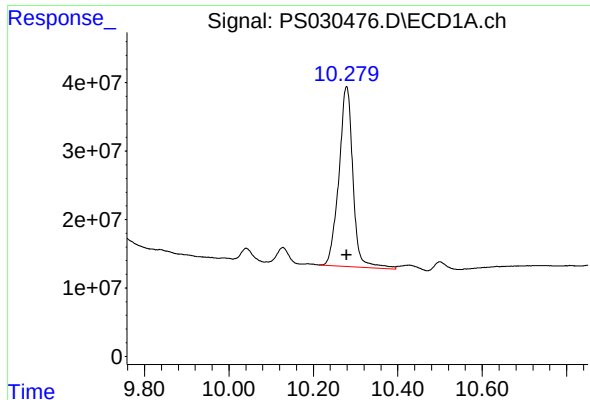
#12 2,4,5-T

R.T.: 9.698 min
Delta R.T.: 0.000 min
Response: 3820945352
Conc: 203.83 ng/ml



#12 2,4,5-T

R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 2807666139
Conc: 210.93 ng/ml



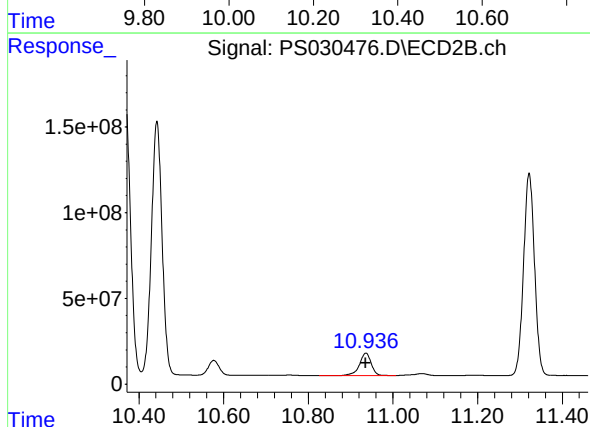
#13 2,4-DB

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 605536275
Conc: 198.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

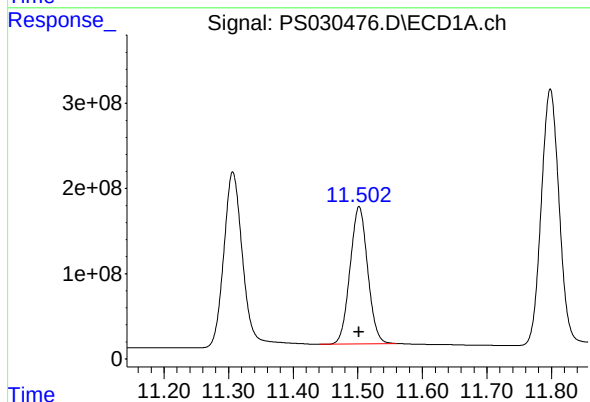
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



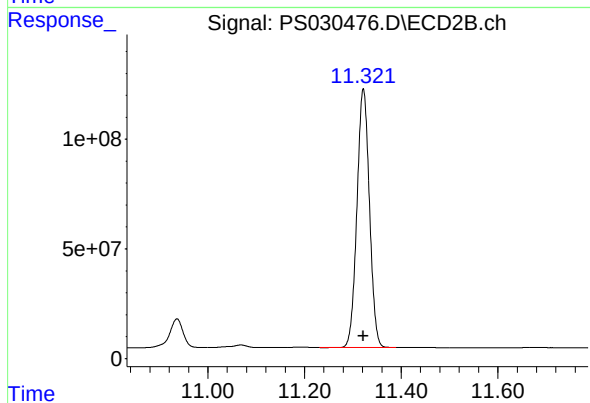
#13 2,4-DB

R.T.: 10.936 min
Delta R.T.: 0.000 min
Response: 252633065
Conc: 215.79 ng/ml



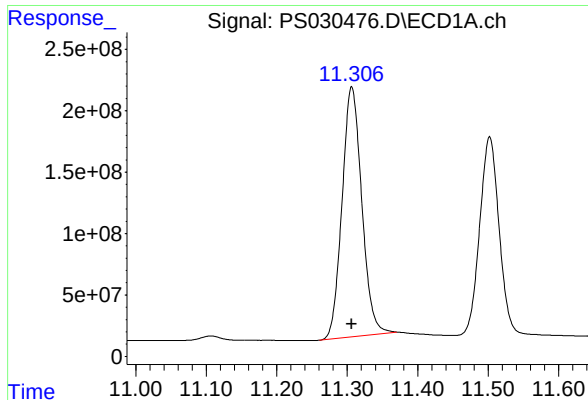
#14 DINOSEB

R.T.: 11.502 min
Delta R.T.: 0.000 min
Response: 3060695980
Conc: 208.62 ng/ml



#14 DINOSEB

R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 2115288757
Conc: 207.22 ng/ml



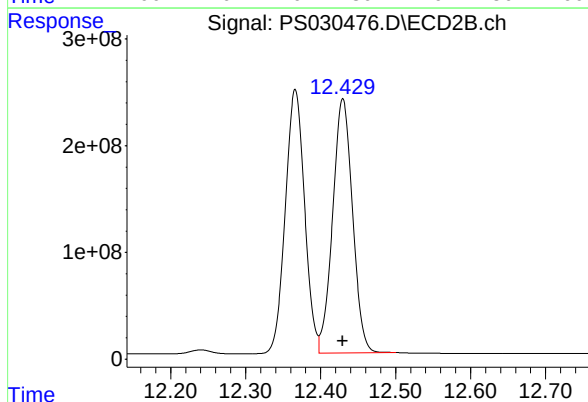
#15 Picloram

R.T.: 11.306 min
Delta R.T.: 0.000 min
Response: 3963852051
Conc: 197.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

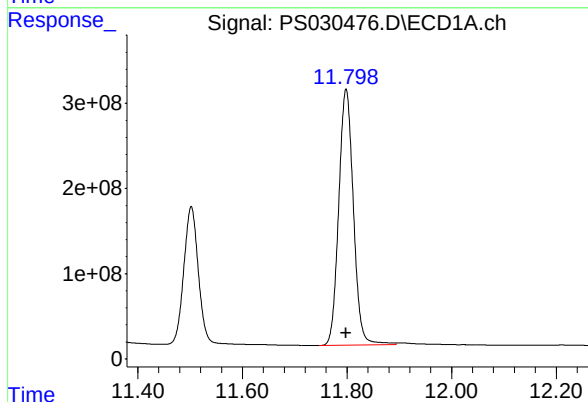
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



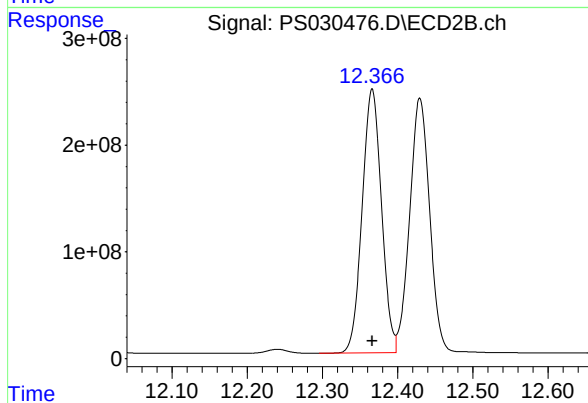
#15 Picloram

R.T.: 12.430 min
Delta R.T.: 0.000 min
Response: 4392538155
Conc: 197.22 ng/ml



#16 DCPA

R.T.: 11.798 min
Delta R.T.: 0.000 min
Response: 5846422031
Conc: 215.29 ng/ml



#16 DCPA

R.T.: 12.366 min
Delta R.T.: 0.000 min
Response: 4416759938
Conc: 211.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030477.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 11:43
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 13:14:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:07:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.368	7.773	1872.6E6	533.1E6	511.607m	520.170
Target Compounds							
1) T	Dalapon	2.717	2.710	2560.4E6	1234.9E6	467.947	465.766
2) T	3,5-DICHL...	6.524	6.716	2562.3E6	728.7E6	485.913	481.317
3) T	4-Nitroph...	7.167	7.303	829.3E6	702.4E6	464.307	460.071
5) T	DICAMBA	7.561	7.977	7300.1E6	3000.7E6	482.484	476.337
6) T	MCPD	7.743	8.075	450.4E6	107.6E6	45.195	46.603
7) T	MCPA	7.893	8.324	573.4E6	134.2E6	45.768	45.169
8) T	DICHLORPROP	8.278	8.698	1709.6E6	695.7E6	486.246	486.593
9) T	2,4-D	8.511	9.034	1715.8E6	740.4E6	482.111	486.207
10) T	Pentachlo...	8.820	9.560	26104.6E6	17662.2E6	504.340	489.472
11) T	2,4,5-TP ...	9.403	9.942	9941.8E6	6572.8E6	488.131	488.344
12) T	2,4,5-T	9.698	10.368	8761.4E6	6236.1E6	479.003	486.370
13) T	2,4-DB	10.278	10.935	1410.7E6	546.0E6	469.574	488.442
14) T	DINOSEB	11.502	11.321	6808.6E6	4715.9E6	481.689	478.292
15) T	Picloram	11.307	12.429	9323.8E6	10433.3E6	469.492	474.467
16) T	DCPA	11.797	12.366	12966.1E6	9972.2E6	497.571	493.358

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030477.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:43
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations

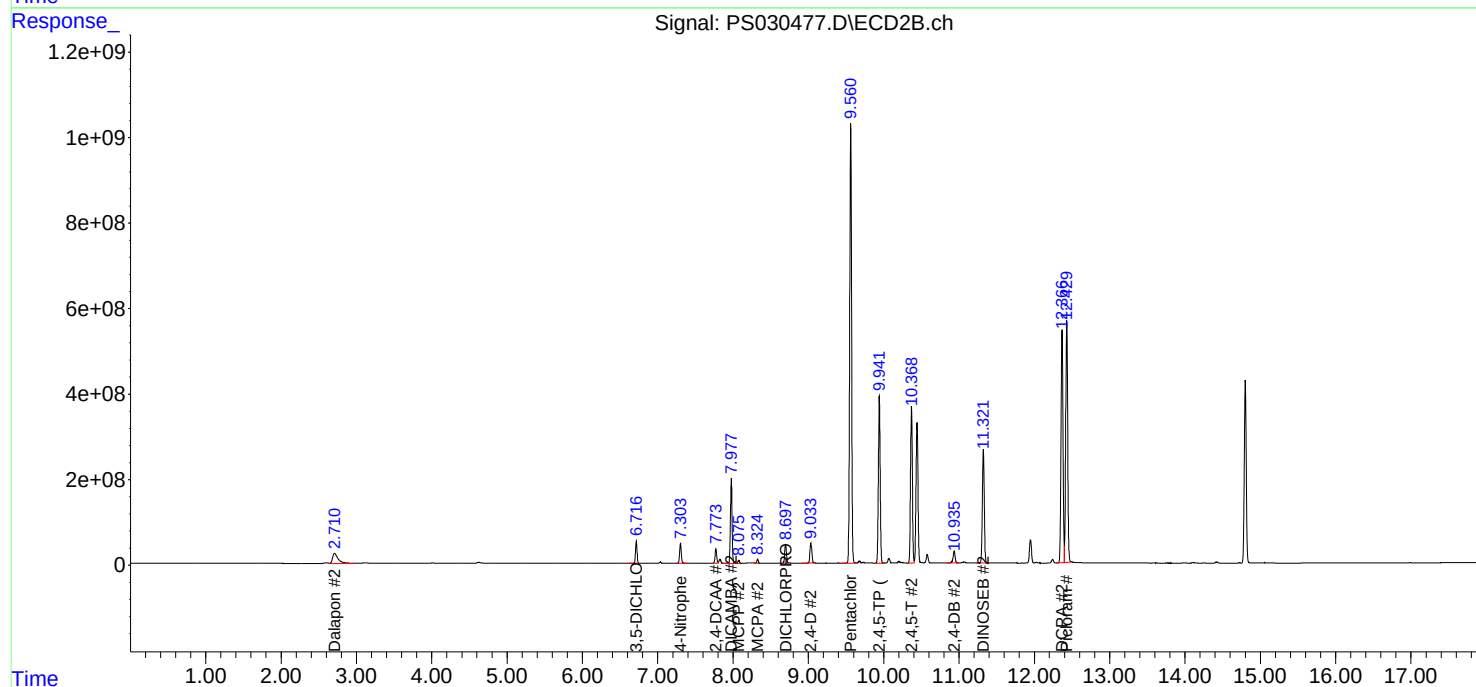
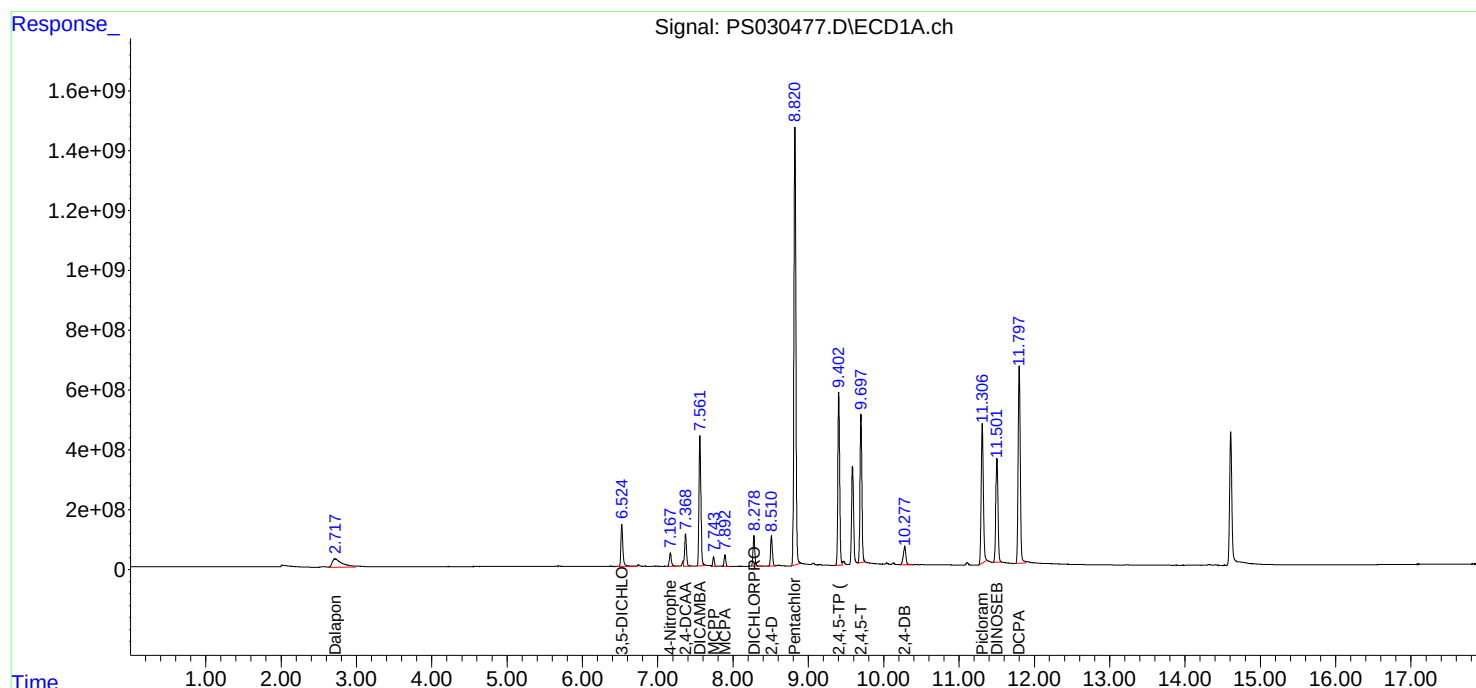
APPROVED

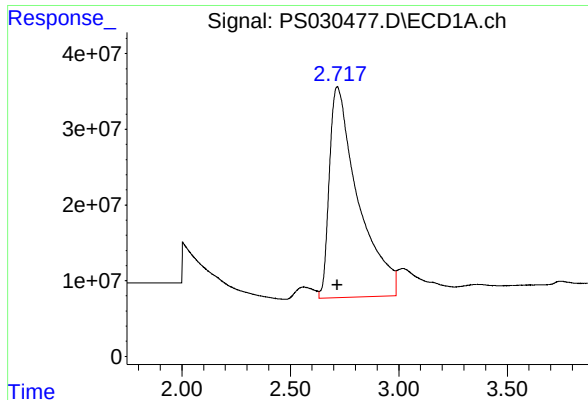
Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:14:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 2025
Response via : Initial 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





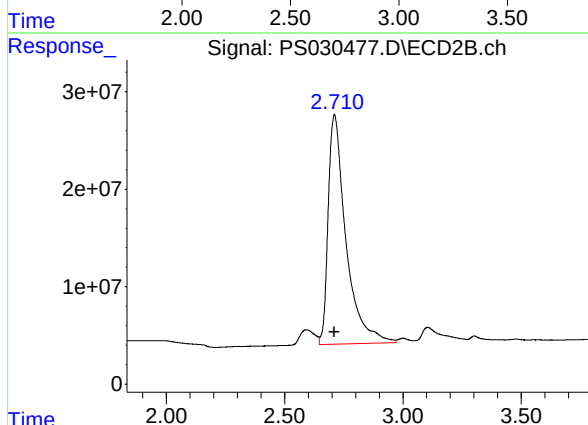
#1 Dalapon

R.T.: 2.717 min
Delta R.T.: 0.000 min
Response: 2560362779
Conc: 467.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

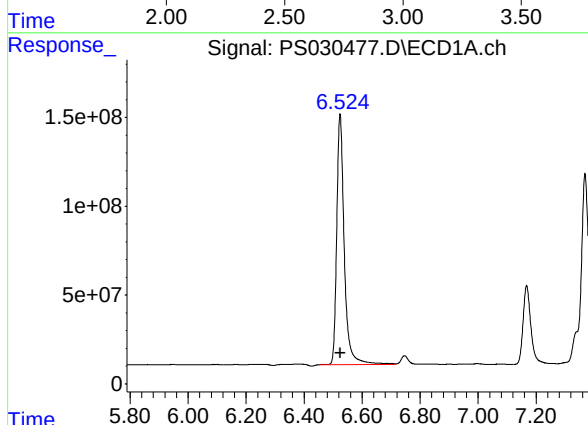
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



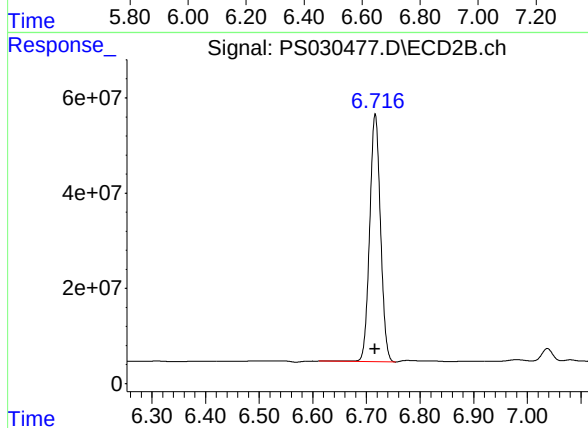
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 1234895099
Conc: 465.77 ng/ml



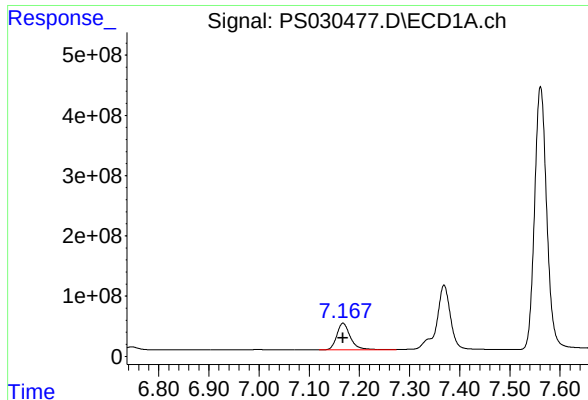
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 2562332025
Conc: 485.91 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 728684372
Conc: 481.32 ng/ml



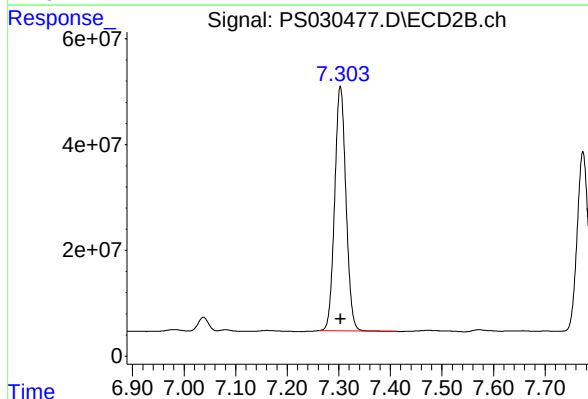
#3 4-Nitrophenol

R.T.: 7.167 min
Delta R.T.: 0.000 min
Response: 829294425
Conc: 464.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

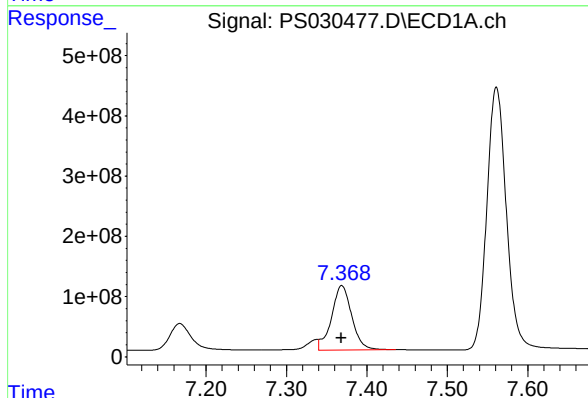
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



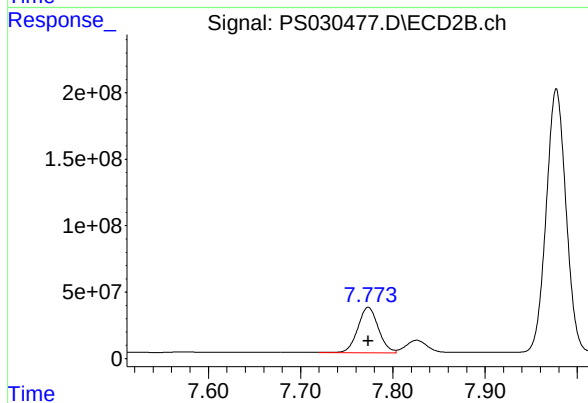
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: 0.000 min
Response: 702389963
Conc: 460.07 ng/ml



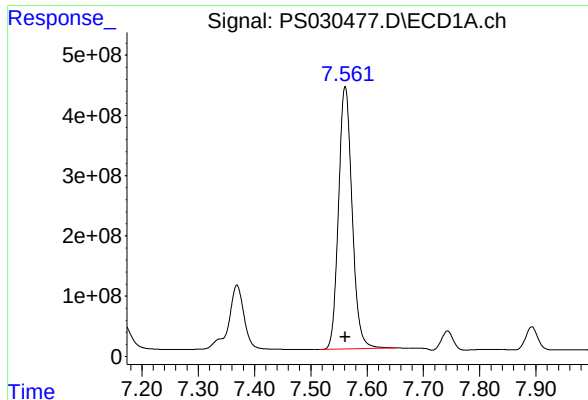
#4 2,4-DCAA

R.T.: 7.368 min
Delta R.T.: 0.000 min
Response: 1872579825
Conc: 511.61 ng/ml m



#4 2,4-DCAA

R.T.: 7.773 min
Delta R.T.: 0.000 min
Response: 533080640
Conc: 520.17 ng/ml



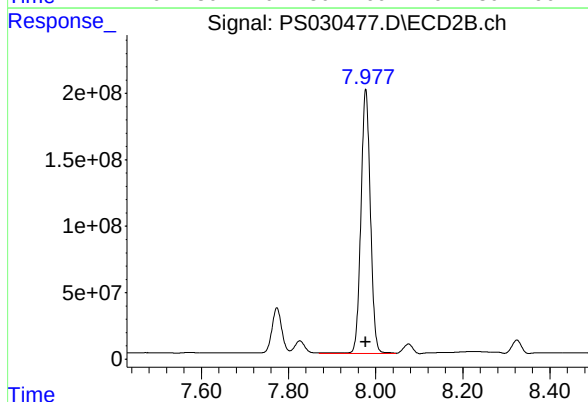
#5 DICAMBA

R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 7300106712
Conc: 482.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

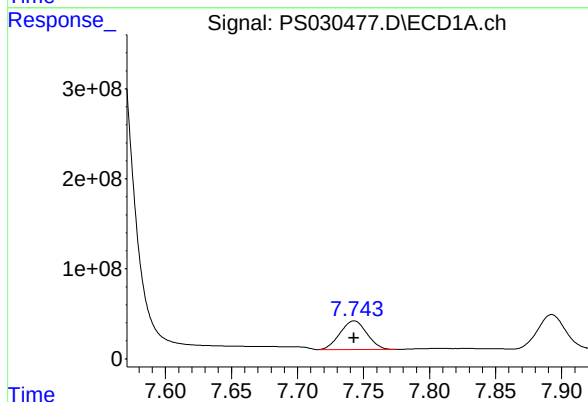
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



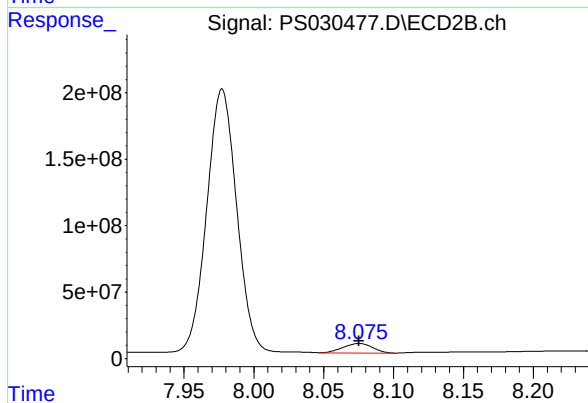
#5 DICAMBA

R.T.: 7.977 min
Delta R.T.: 0.000 min
Response: 3000653584
Conc: 476.34 ng/ml



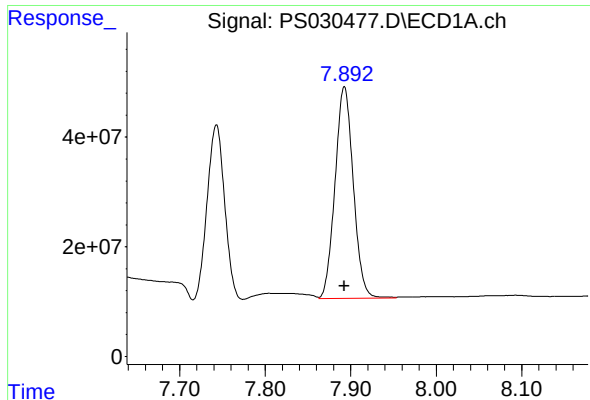
#6 MCPP

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 450402815
Conc: 45.19 ug/ml



#6 MCPP

R.T.: 8.075 min
Delta R.T.: 0.000 min
Response: 107608065
Conc: 46.60 ug/ml



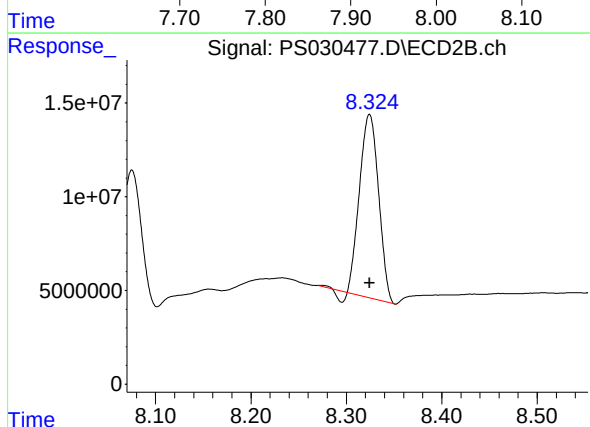
#7 MCPA

R.T.: 7.893 min
Delta R.T.: 0.000 min
Response: 573437736
Conc: 45.77 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

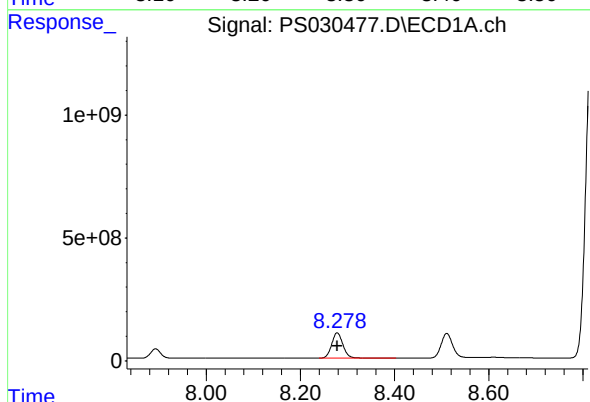
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



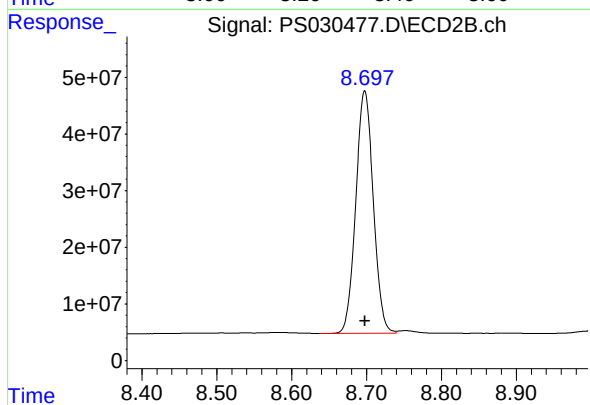
#7 MCPA

R.T.: 8.324 min
Delta R.T.: 0.000 min
Response: 134163811
Conc: 45.17 ug/ml



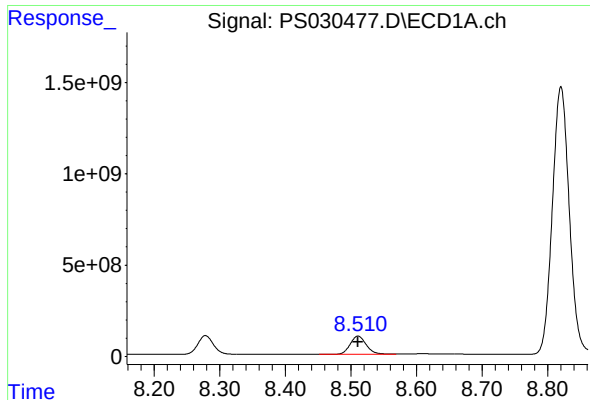
#8 DICHLORPROP

R.T.: 8.278 min
Delta R.T.: 0.000 min
Response: 1709645351
Conc: 486.25 ng/ml



#8 DICHLORPROP

R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 695685093
Conc: 486.59 ng/ml



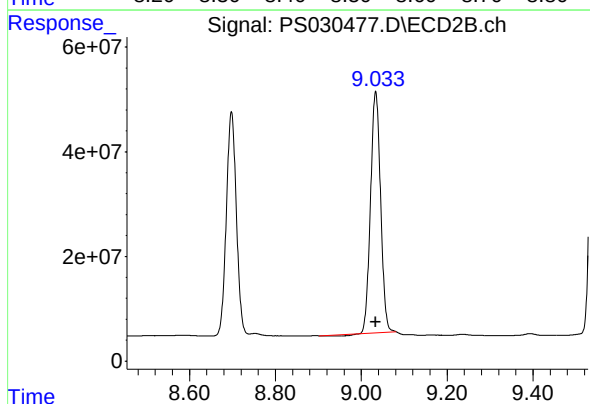
#9 2,4-D

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 1715765445
Conc: 482.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

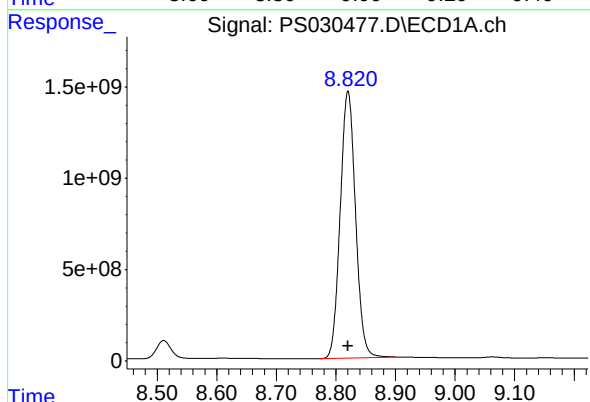
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



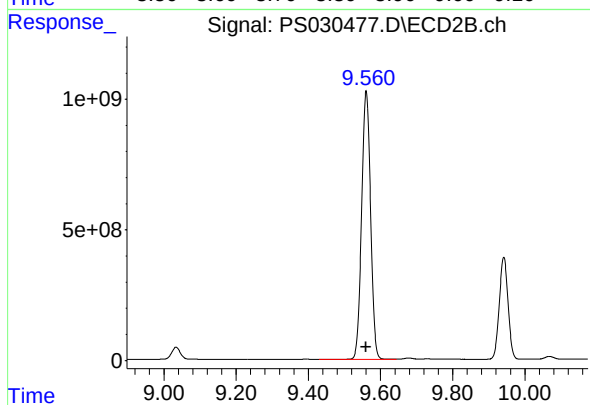
#9 2,4-D

R.T.: 9.034 min
Delta R.T.: 0.000 min
Response: 740374075
Conc: 486.21 ng/ml



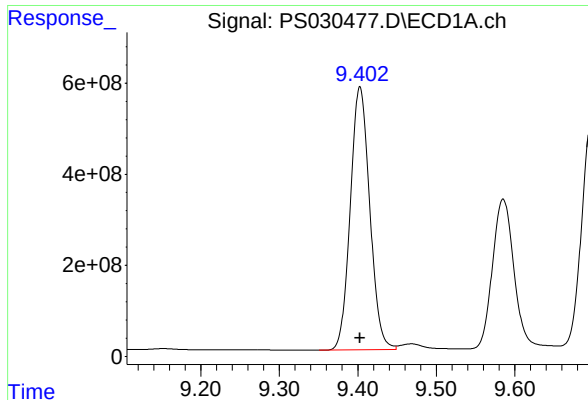
#10 Pentachlorophenol

R.T.: 8.820 min
Delta R.T.: 0.000 min
Response: 26104603294
Conc: 504.34 ng/ml



#10 Pentachlorophenol

R.T.: 9.560 min
Delta R.T.: 0.000 min
Response: 17662172152
Conc: 489.47 ng/ml



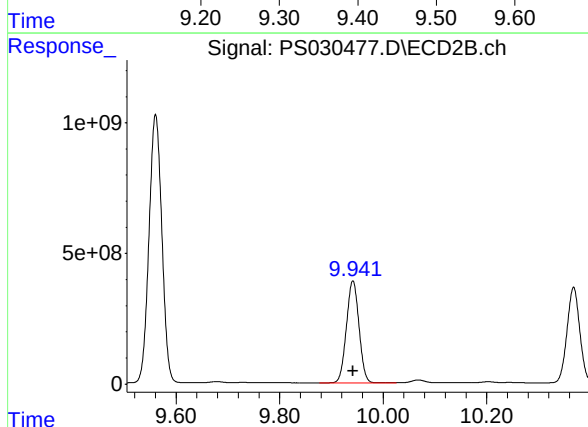
#11 2,4,5-TP (SILVEX)

R.T.: 9.403 min
Delta R.T.: 0.000 min
Response: 9941842250
Conc: 488.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

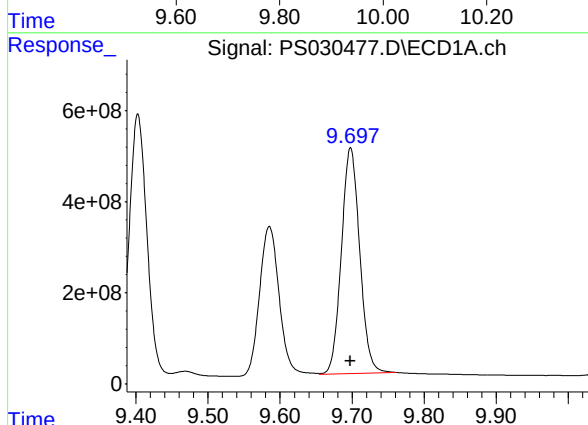
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



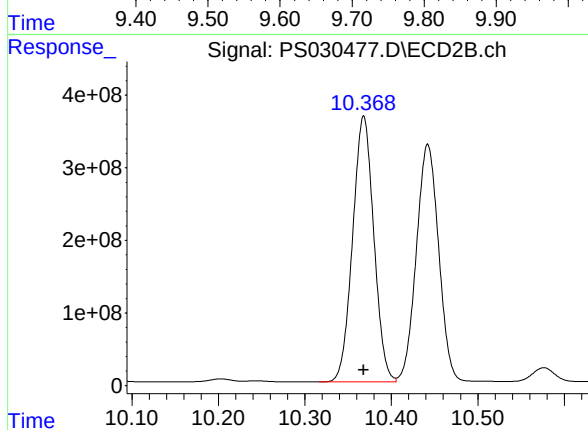
#11 2,4,5-TP (SILVEX)

R.T.: 9.942 min
Delta R.T.: 0.000 min
Response: 6572793038
Conc: 488.34 ng/ml



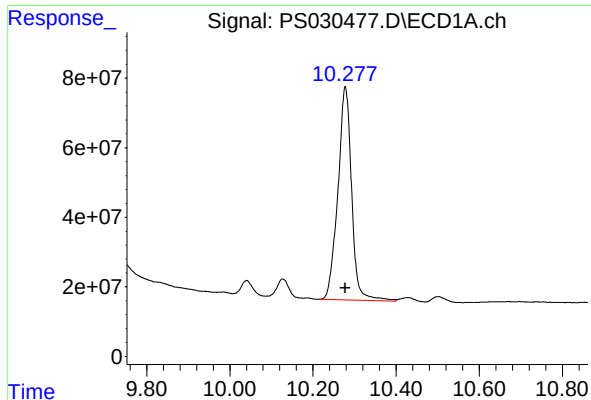
#12 2,4,5-T

R.T.: 9.698 min
Delta R.T.: 0.000 min
Response: 8761429194
Conc: 479.00 ng/ml



#12 2,4,5-T

R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 6236103287
Conc: 486.37 ng/ml



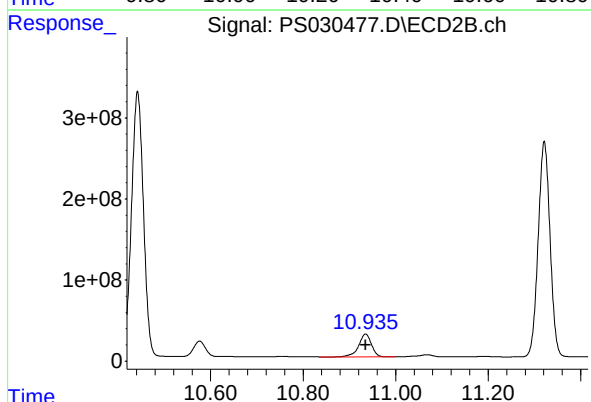
#13 2,4-DB

R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 1410703579
Conc: 469.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

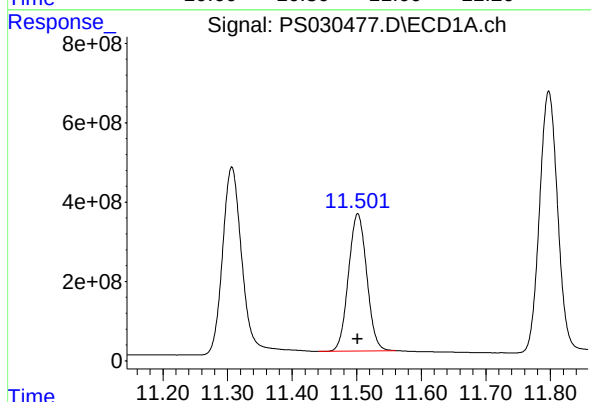
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



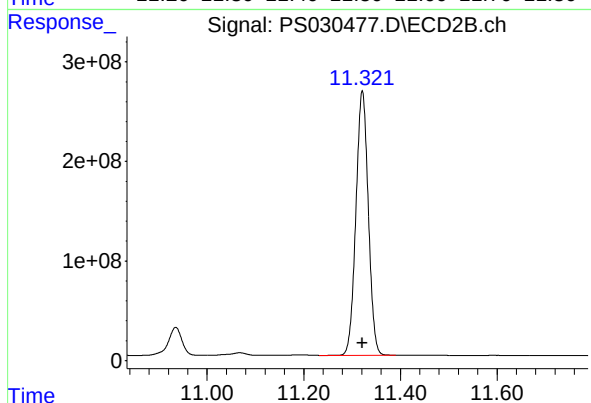
#13 2,4-DB

R.T.: 10.935 min
Delta R.T.: 0.000 min
Response: 545953017
Conc: 488.44 ng/ml



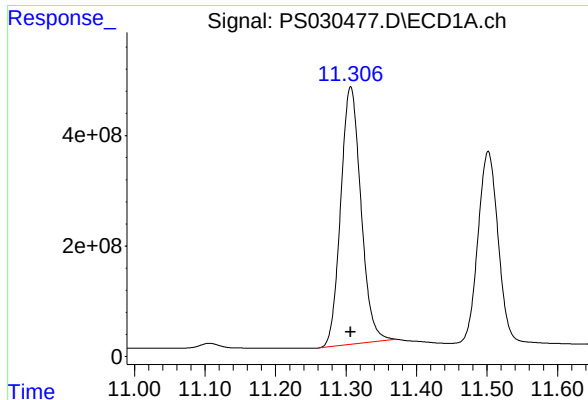
#14 DINOSEB

R.T.: 11.502 min
Delta R.T.: 0.000 min
Response: 6808573225
Conc: 481.69 ng/ml



#14 DINOSEB

R.T.: 11.321 min
Delta R.T.: 0.000 min
Response: 4715865784
Conc: 478.29 ng/ml



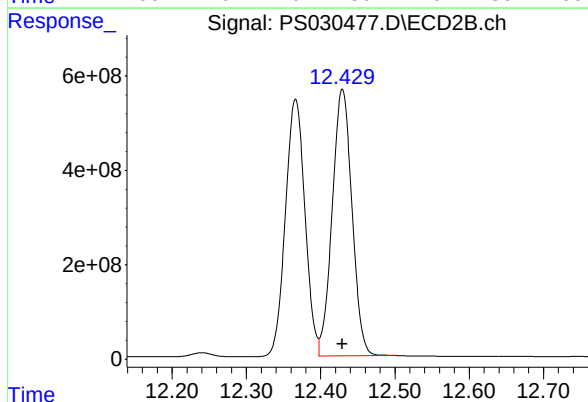
#15 Picloram

R.T.: 11.307 min
Delta R.T.: 0.000 min
Response: 9323819535
Conc: 469.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

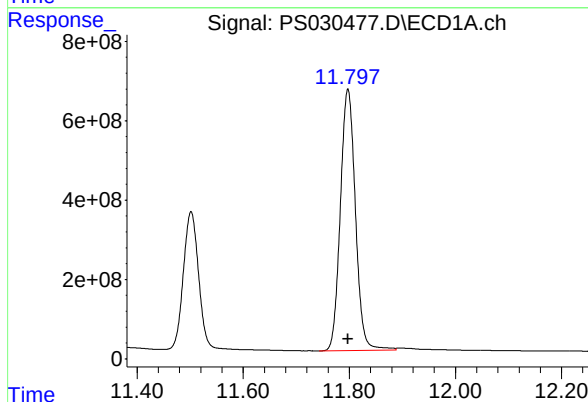
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



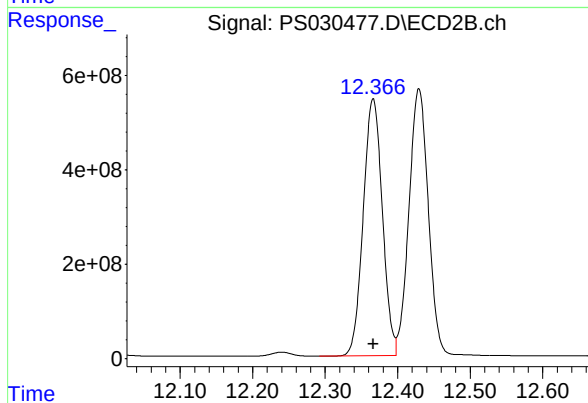
#15 Picloram

R.T.: 12.429 min
Delta R.T.: 0.000 min
Response: 10433311455
Conc: 474.47 ng/ml



#16 DCPA

R.T.: 11.797 min
Delta R.T.: 0.000 min
Response: 12966086678
Conc: 497.57 ng/ml



#16 DCPA

R.T.: 12.366 min
Delta R.T.: 0.000 min
Response: 9972175879
Conc: 493.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030478.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 12:07
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 13:09:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:07:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.369	7.774	2690.9E6	758.4E6	744.320m	750.000
Target Compounds							
1) T	Dalapon	2.716	2.710	3691.7E6	1793.7E6	682.500	682.500
2) T	3,5-DICHL...	6.524	6.717	3626.9E6	1043.0E6	697.500	697.500
3) T	4-Nitroph...	7.167	7.303	1207.0E6	1031.0E6	682.500	682.500
5) T	DICAMBA	7.561	7.977	10569.4E6	4406.8E6	705.000	705.000
6) T	MCP	7.744	8.077	702.1E6	161.8E6	70.500	70.500
7) T	MCPA	7.895	8.327	870.8E6	206.1E6	69.750	69.750
8) T	DICHLORPROP	8.279	8.698	2453.4E6	996.3E6	705.000	705.000
9) T	2,4-D	8.512	9.034	2489.8E6	1060.6E6	705.000	705.000
10) T	Pentachlo...	8.820	9.561	37628.4E6	25518.7E6	712.500	712.500
11) T	2,4,5-TP ...	9.404	9.942	14429.9E6	9502.8E6	712.500	712.500
12) T	2,4,5-T	9.697	10.368	13011.7E6	9066.3E6	712.500	712.500
13) T	2,4-DB	10.279	10.936	2128.7E6	787.8E6	712.500	712.500
14) T	DINOSEB	11.502	11.321	9877.2E6	6881.7E6	705.000	705.000
15) T	Picloram	11.307	12.430	14134.3E6	15599.4E6	712.500	712.500
16) T	DCPA	11.797	12.366	18644.2E6	14436.2E6	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\PS060425\
Data File : PS030478.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:07
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations

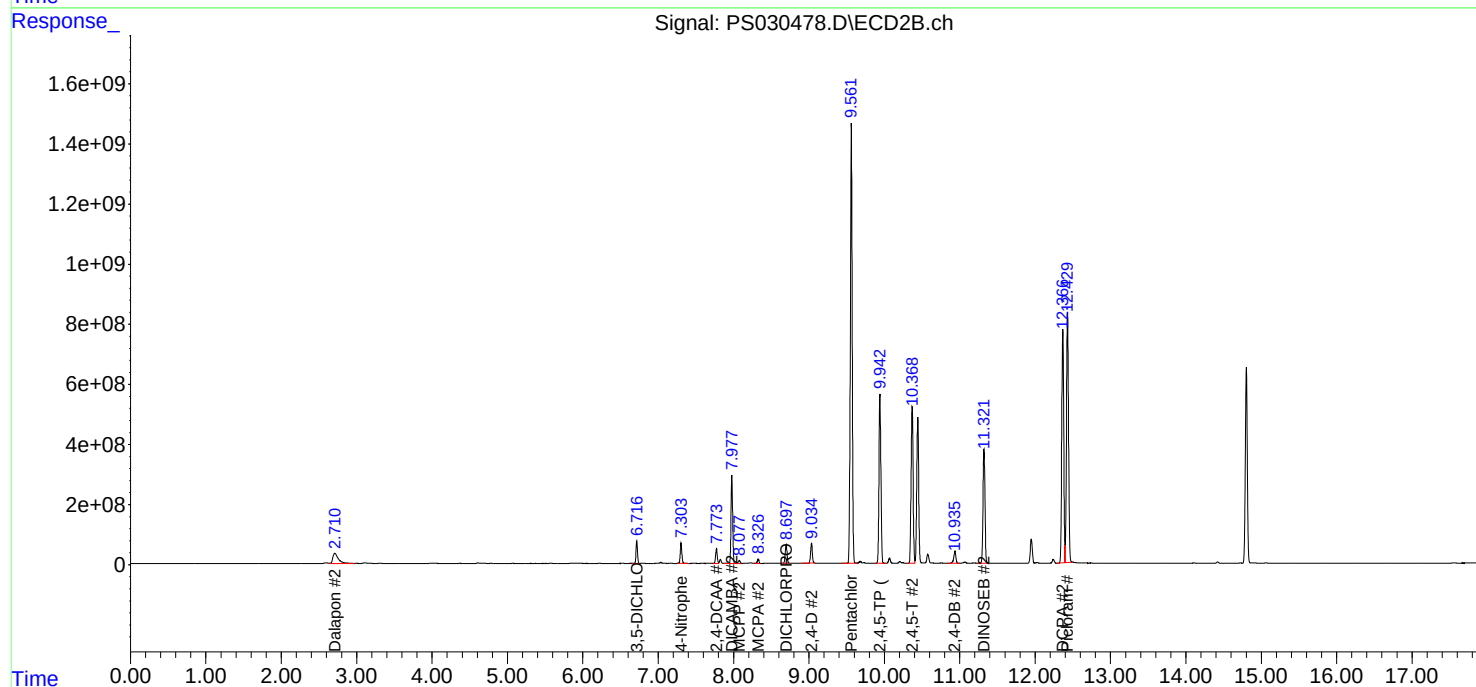
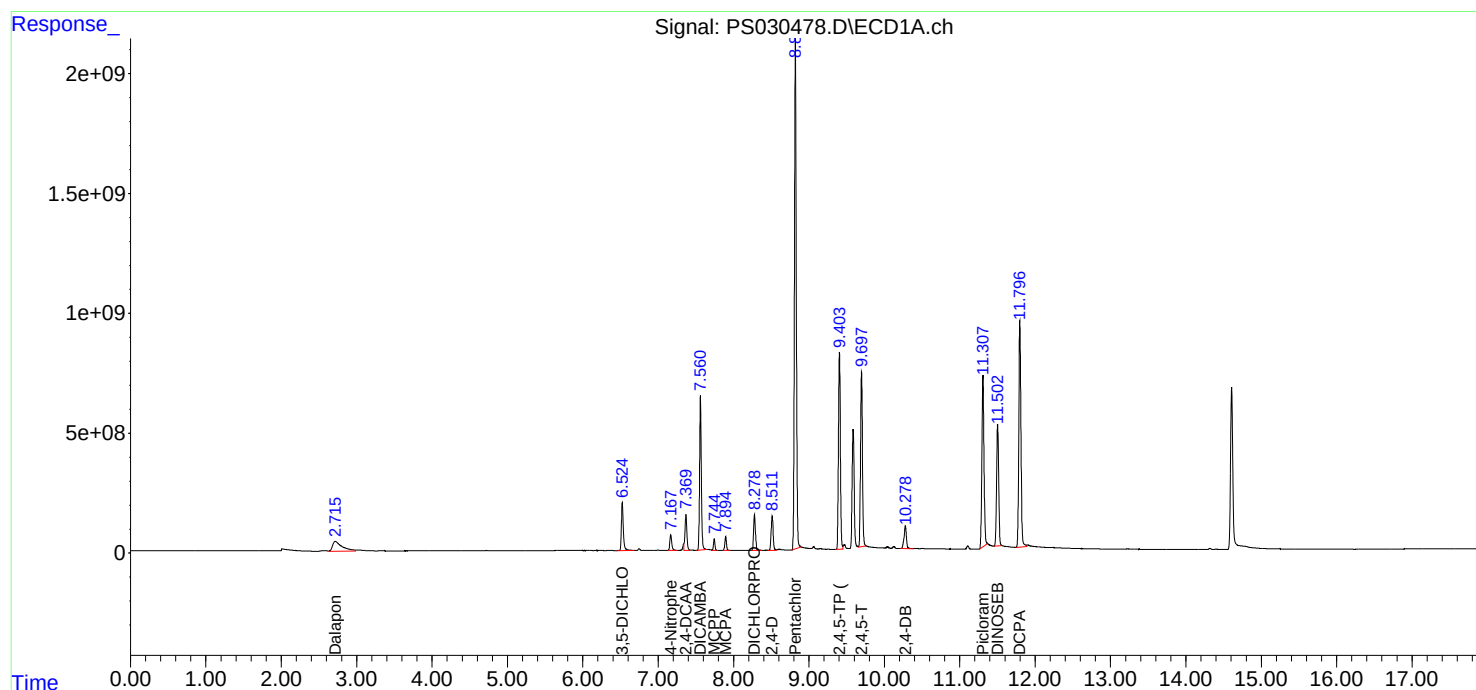
APPROVED

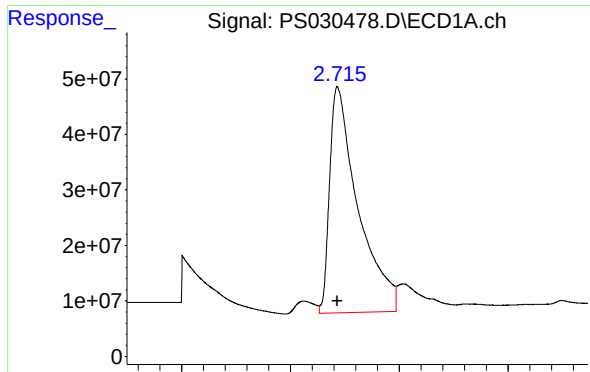
Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:09:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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.: 2.716 min
Delta R.T.: 0.000 min
Response: 3691665088
Conc: 682.50 ng/ml

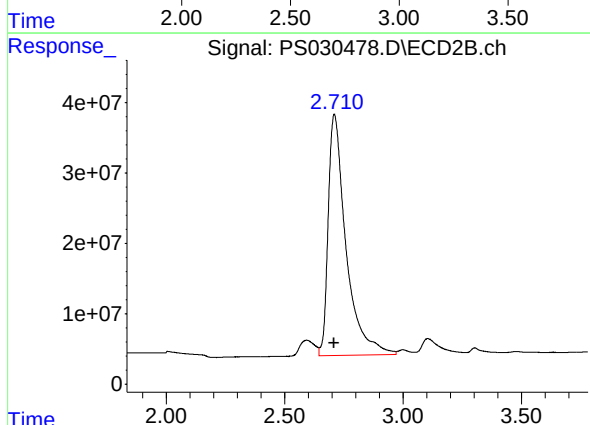
Instrument :

ECD_S

ClientSampleId :
HSTDICC750

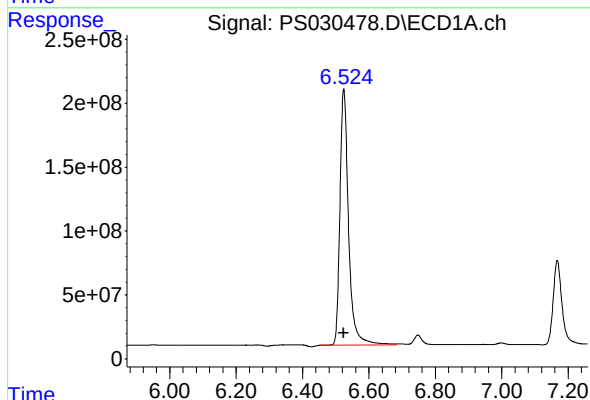
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



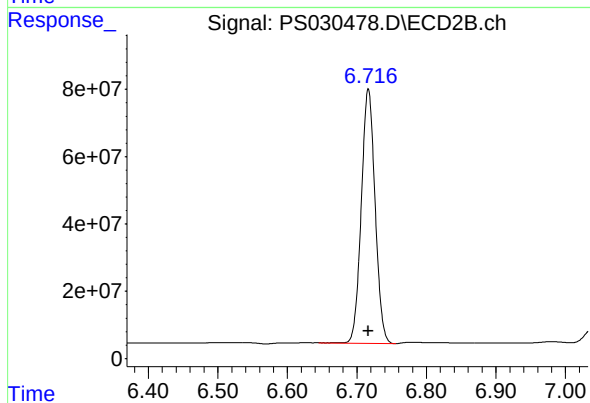
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 1793687966
Conc: 682.50 ng/ml



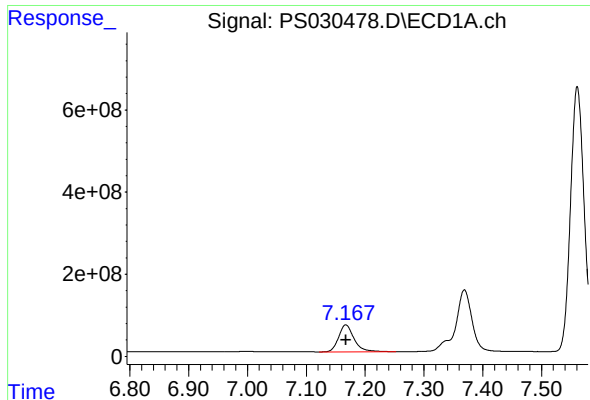
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 3626903309
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 1042975281
Conc: 697.50 ng/ml



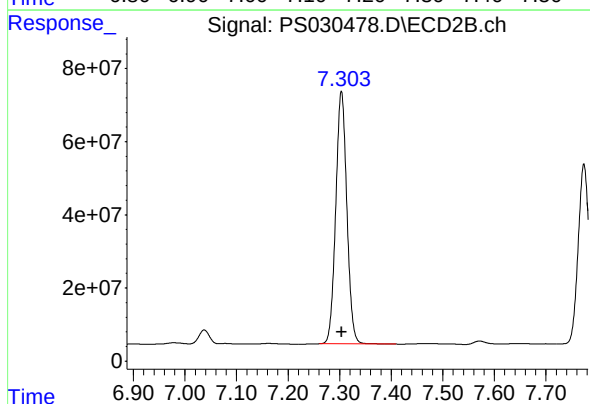
#3 4-Nitrophenol

R.T.: 7.167 min
Delta R.T.: 0.000 min
Response: 1207018921
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

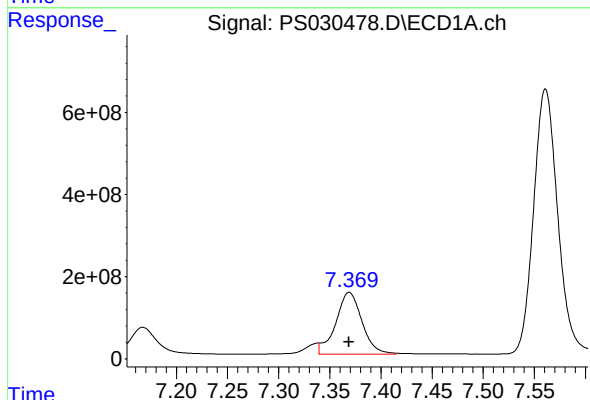
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



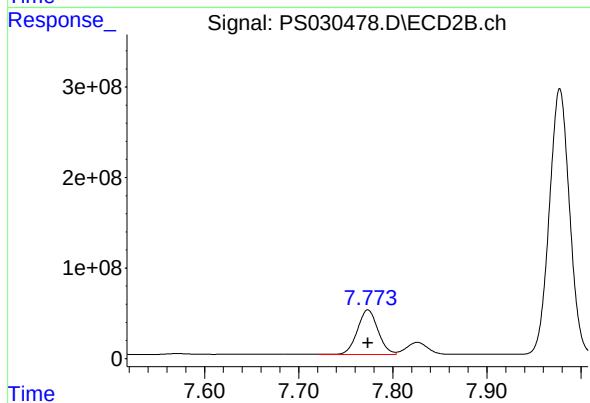
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: 0.000 min
Response: 1030985969
Conc: 682.50 ng/ml



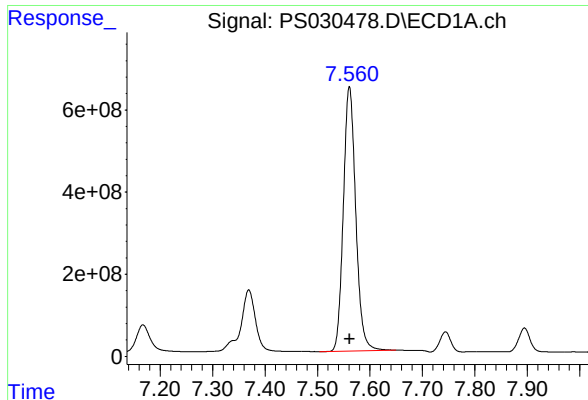
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 2690865233
Conc: 744.32 ng/ml m



#4 2,4-DCAA

R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 758443389
Conc: 750.00 ng/ml



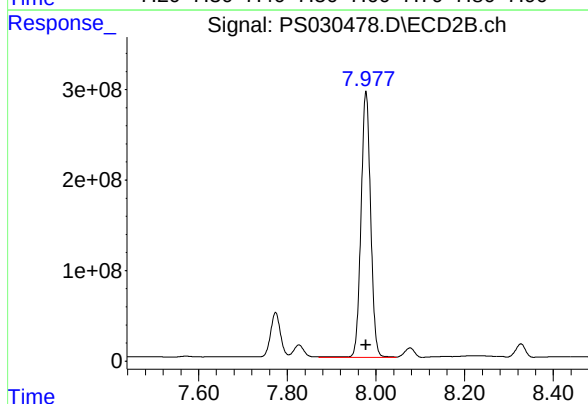
#5 DICAMBA

R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 10569446696
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

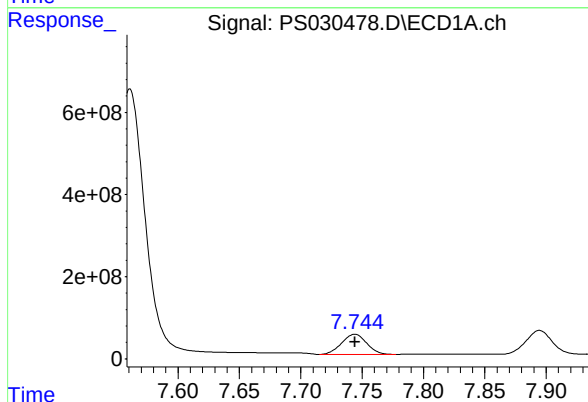
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



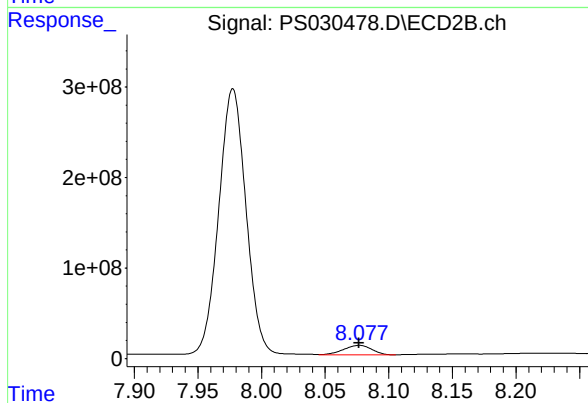
#5 DICAMBA

R.T.: 7.977 min
Delta R.T.: 0.000 min
Response: 4406801538
Conc: 705.00 ng/ml



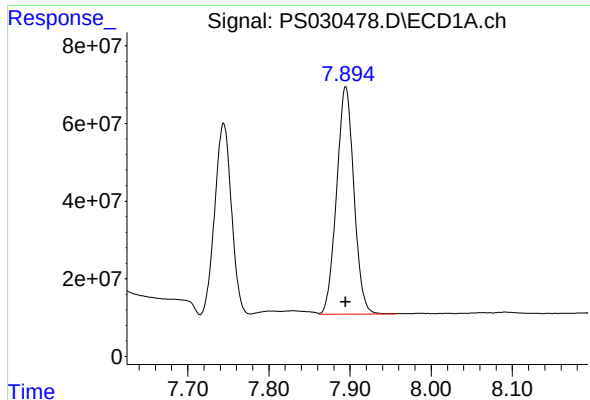
#6 MCPP

R.T.: 7.744 min
Delta R.T.: 0.000 min
Response: 702085741
Conc: 70.50 ug/ml



#6 MCPP

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 161835619
Conc: 70.50 ug/ml



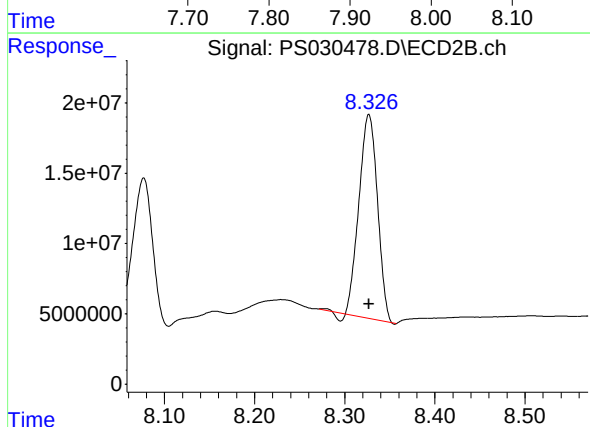
#7 MCPA

R.T.: 7.895 min
Delta R.T.: 0.000 min
Response: 870813338
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

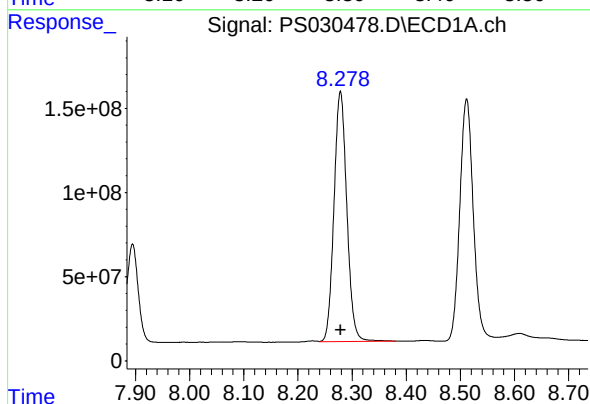
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



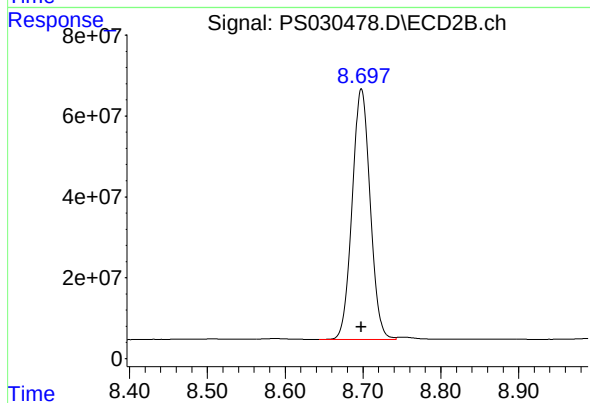
#7 MCPA

R.T.: 8.327 min
Delta R.T.: 0.000 min
Response: 206127706
Conc: 69.75 ug/ml



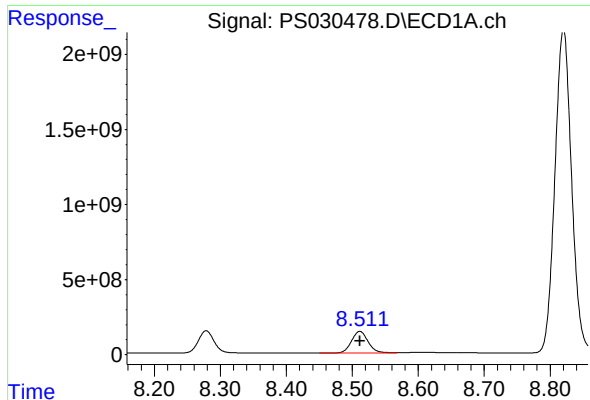
#8 DICHLORPROP

R.T.: 8.279 min
Delta R.T.: 0.000 min
Response: 2453430344
Conc: 705.00 ng/ml



#8 DICHLORPROP

R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 996270230
Conc: 705.00 ng/ml



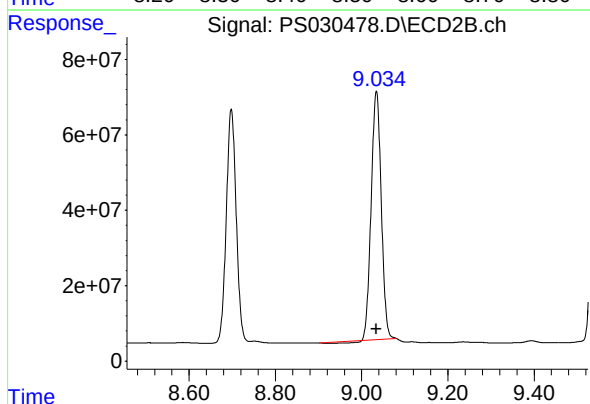
#9 2,4-D

R.T.: 8.512 min
Delta R.T.: 0.000 min
Response: 2489789588
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

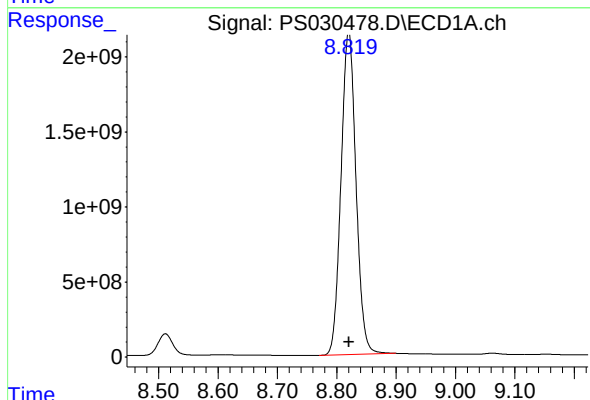
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



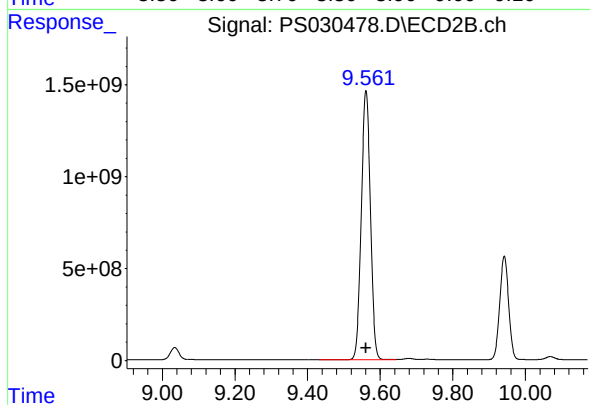
#9 2,4-D

R.T.: 9.034 min
Delta R.T.: 0.000 min
Response: 1060624605
Conc: 705.00 ng/ml



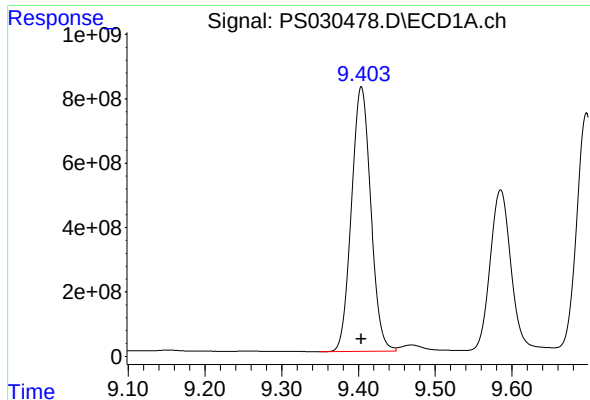
#10 Pentachlorophenol

R.T.: 8.820 min
Delta R.T.: 0.000 min
Response: 37628370370
Conc: 712.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.561 min
Delta R.T.: 0.000 min
Response: 25518689824
Conc: 712.50 ng/ml



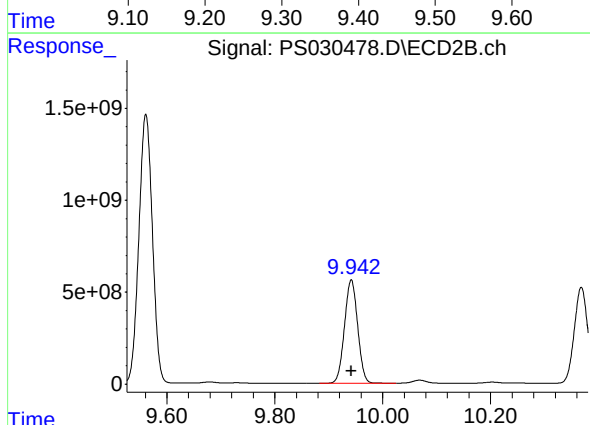
#11 2,4,5-TP (SILVEX)

R.T.: 9.404 min
Delta R.T.: 0.000 min
Response: 14429853099
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

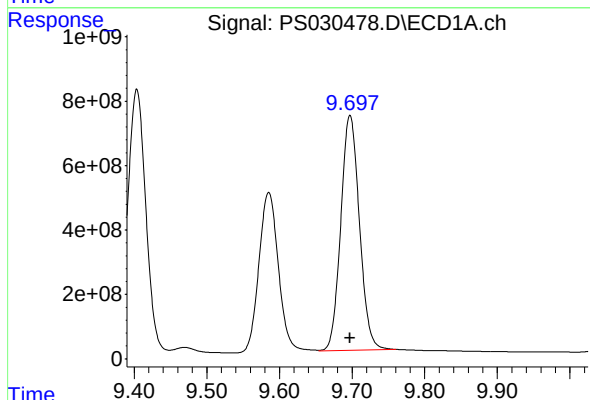
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



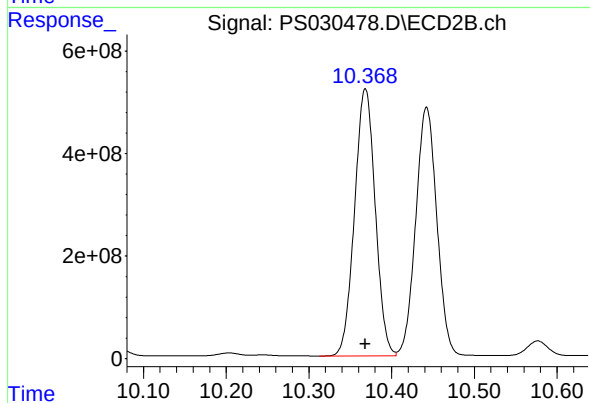
#11 2,4,5-TP (SILVEX)

R.T.: 9.942 min
Delta R.T.: 0.000 min
Response: 9502750218
Conc: 712.50 ng/ml



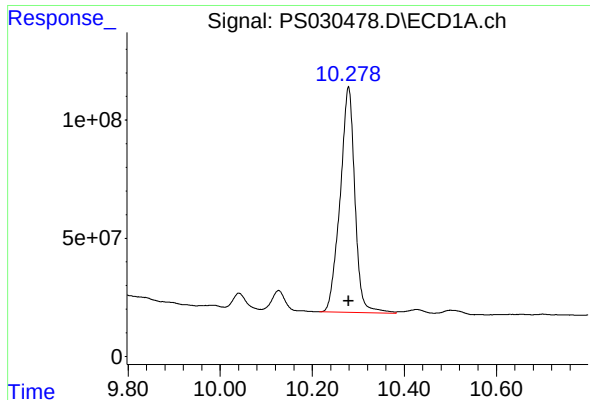
#12 2,4,5-T

R.T.: 9.697 min
Delta R.T.: 0.000 min
Response: 13011662510
Conc: 712.50 ng/ml



#12 2,4,5-T

R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 9066309949
Conc: 712.50 ng/ml



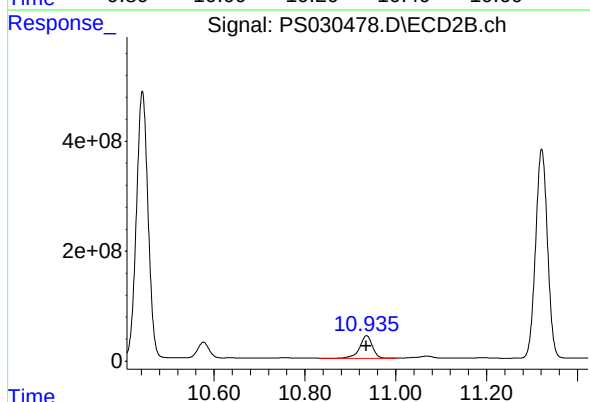
#13 2,4-DB

R.T.: 10.279 min
Delta R.T.: 0.000 min
Response: 2128667195
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

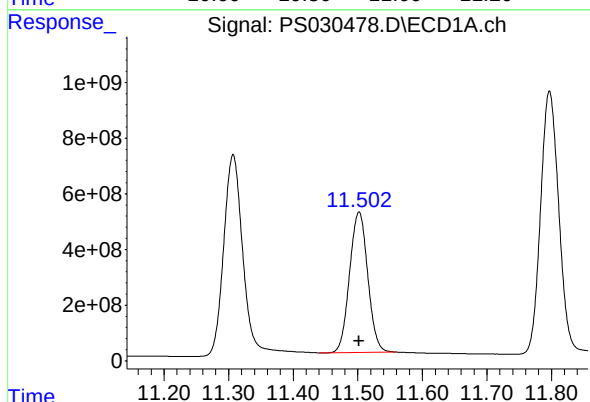
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



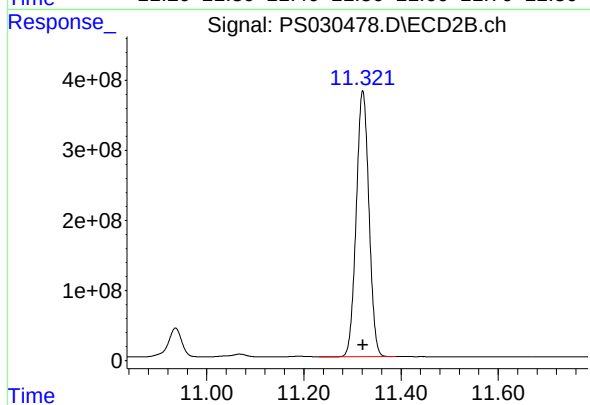
#13 2,4-DB

R.T.: 10.936 min
Delta R.T.: 0.000 min
Response: 787814567
Conc: 712.50 ng/ml



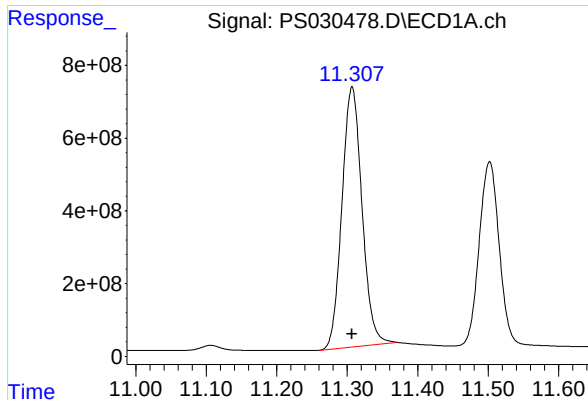
#14 DINOSEB

R.T.: 11.502 min
Delta R.T.: 0.000 min
Response: 9877244671
Conc: 705.00 ng/ml



#14 DINOSEB

R.T.: 11.321 min
Delta R.T.: 0.000 min
Response: 6881704152
Conc: 705.00 ng/ml



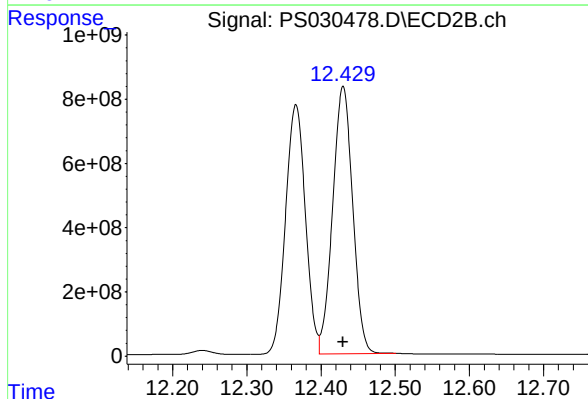
#15 Picloram

R.T.: 11.307 min
Delta R.T.: 0.000 min
Response: 14134321168
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

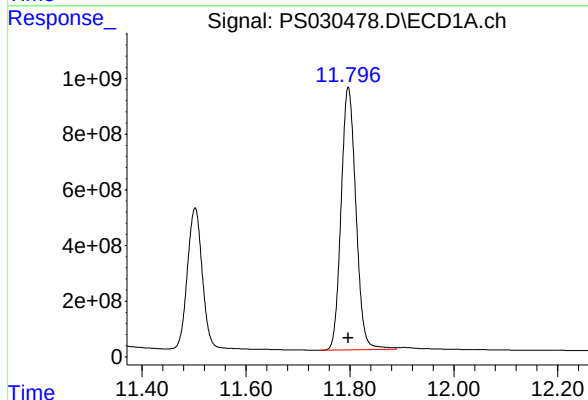
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



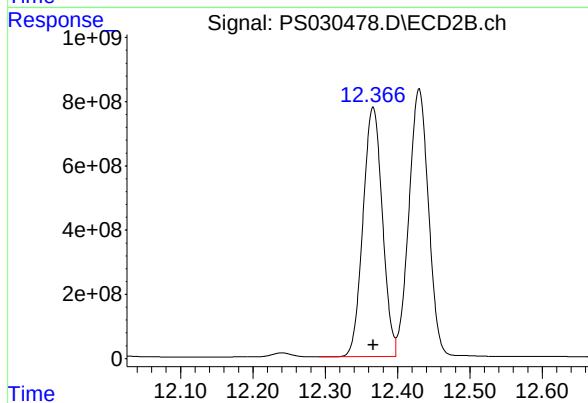
#15 Picloram

R.T.: 12.430 min
Delta R.T.: 0.000 min
Response: 15599383048
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.797 min
Delta R.T.: 0.000 min
Response: 18644228870
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.366 min
Delta R.T.: 0.000 min
Response: 14436198614
Conc: 720.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030479.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 12:31
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1000

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 13:12:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:07:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.369	7.774	3627.1E6	997.0E6	1015.527m	992.922
Target Compounds							
1) T	Dalapon	2.714	2.710	4894.2E6	2376.7E6	907.402	907.165
2) T	3,5-DICHL...	6.524	6.717	4751.8E6	1375.9E6	921.843	925.042
3) T	4-Nitroph...	7.168	7.304	1608.1E6	1388.5E6	909.639	914.550
5) T	DICAMBA	7.561	7.978	13974.6E6	5887.4E6	936.047	940.930
6) T	MCP	7.746	8.079	973.4E6	220.1E6	95.838	94.941
7) T	MCPA	7.897	8.330	1187.7E6	285.5E6	94.055	94.777
8) T	DICHLORPROP	8.279	8.699	3224.6E6	1312.0E6	933.254	934.189
9) T	2,4-D	8.511	9.035	3284.7E6	1399.3E6	935.022	935.019
10) T	Pentachlo...	8.825	9.561	45135.4E6	33490.4E6	899.805	942.480
11) T	2,4,5-TP ...	9.404	9.942	18922.9E6	12543.2E6	942.112	945.210
12) T	2,4,5-T	9.698	10.369	17257.5E6	11981.3E6	947.492	945.773
13) T	2,4-DB	10.278	10.936	2902.4E6	1043.2E6	960.620	946.745
14) T	DINOSEB	11.502	11.322	13073.3E6	9197.3E6	936.548	941.110
15) T	Picloram	11.306	12.430	19105.8E6	21004.4E6	956.510	954.663
16) T	DCPA	11.796	12.366	24258.1E6	19020.4E6	948.257	954.284

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:31
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1000

Manual Integrations

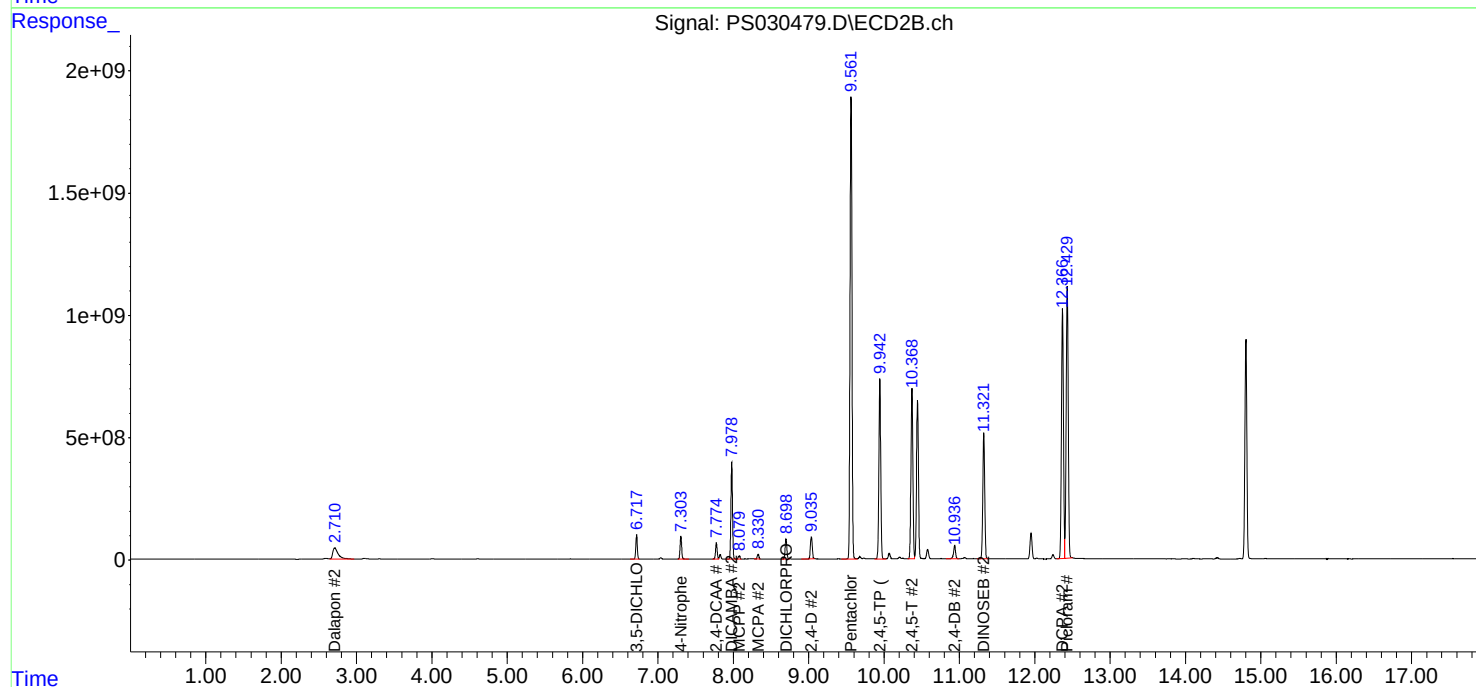
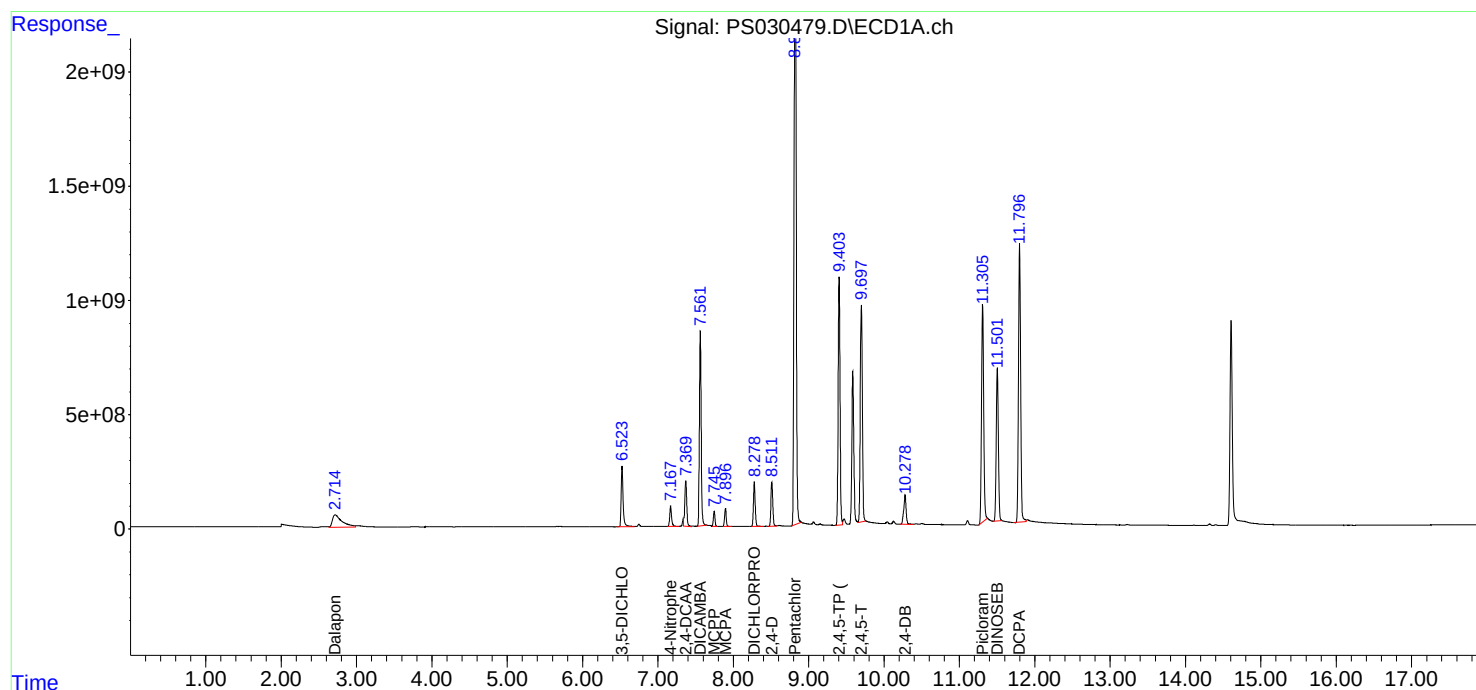
APPROVED

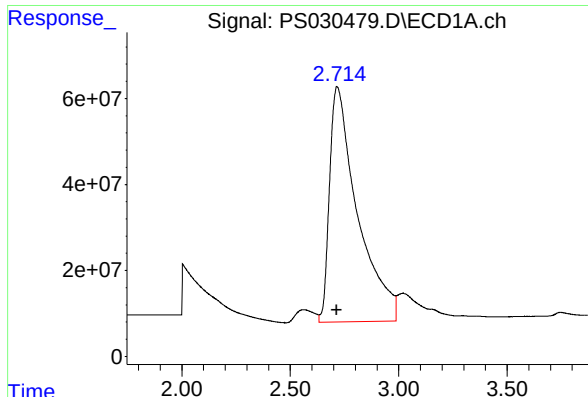
Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:12:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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





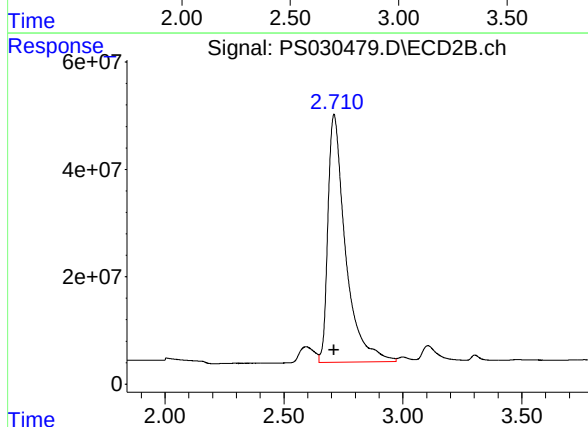
#1 Dalapon

R.T.: 2.714 min
Delta R.T.: 0.000 min
Response: 4894191537
Conc: 907.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

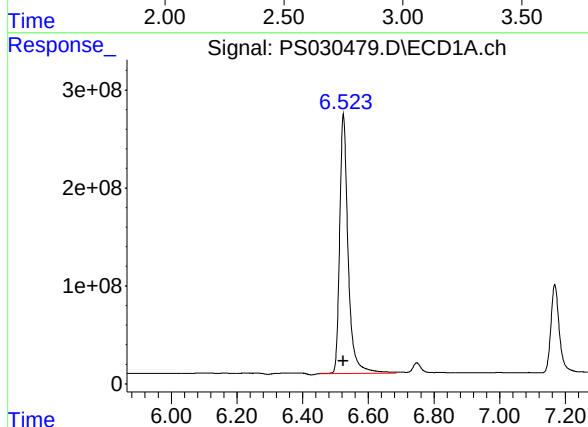
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



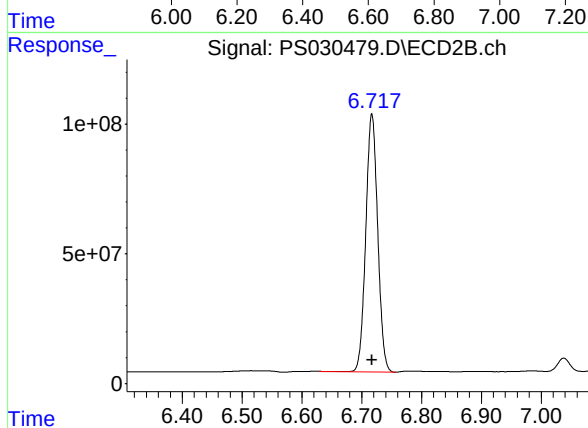
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 2376727482
Conc: 907.16 ng/ml



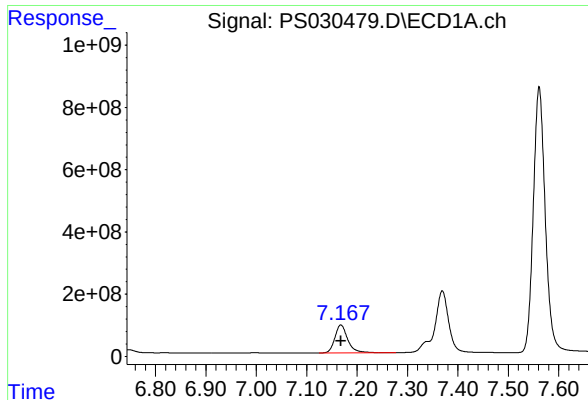
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 4751780623
Conc: 921.84 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 1375885564
Conc: 925.04 ng/ml



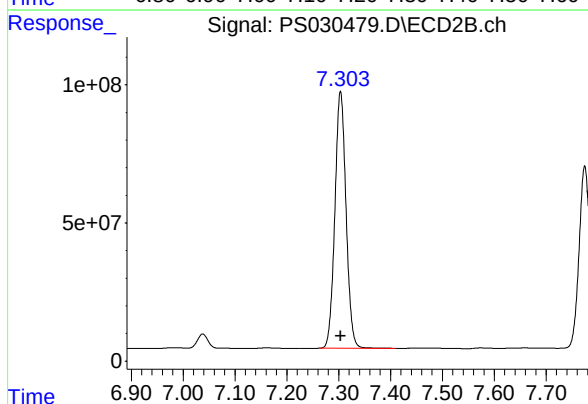
#3 4-Nitrophenol

R.T.: 7.168 min
Delta R.T.: 0.000 min
Response: 1608081150
Conc: 909.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

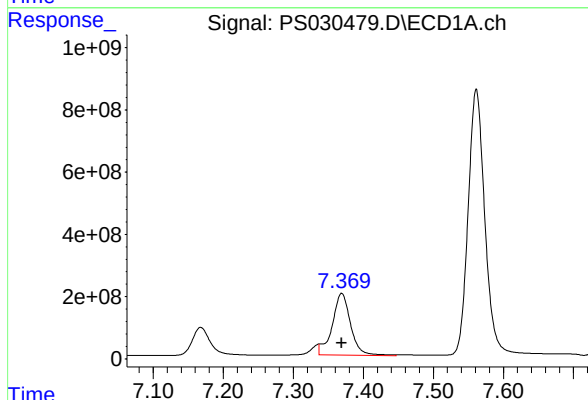
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



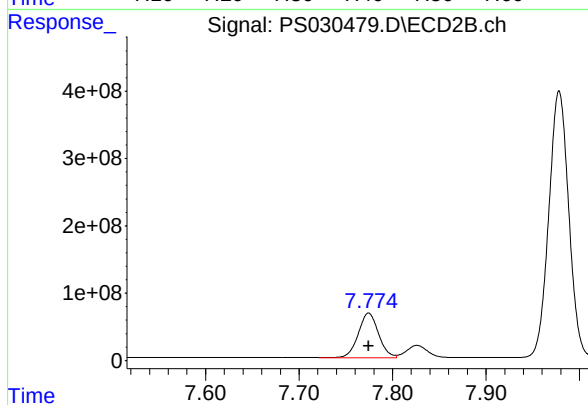
#3 4-Nitrophenol

R.T.: 7.304 min
Delta R.T.: 0.000 min
Response: 1388464086
Conc: 914.55 ng/ml



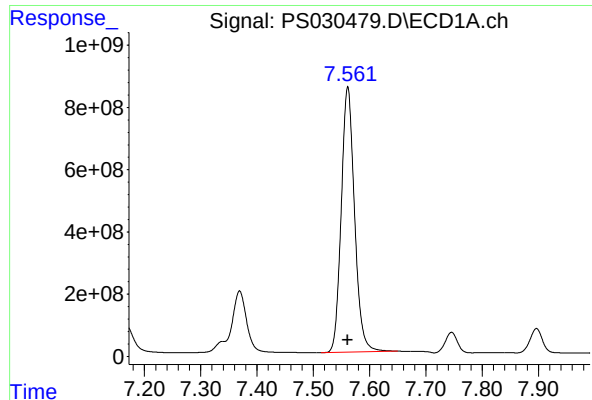
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 3627065582
Conc: 1015.53 ng/ml m



#4 2,4-DCAA

R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 997042457
Conc: 992.92 ng/ml



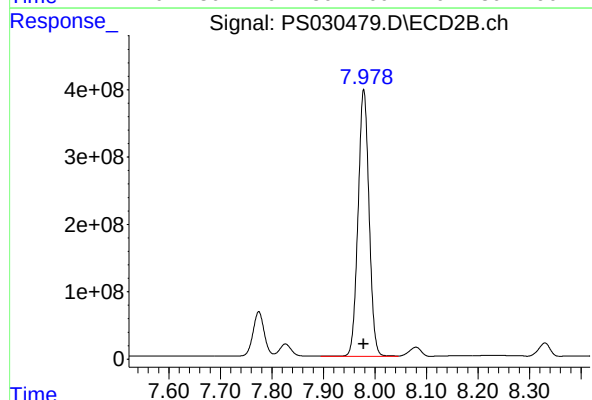
#5 DICAMBA

R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 13974550699
Conc: 936.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

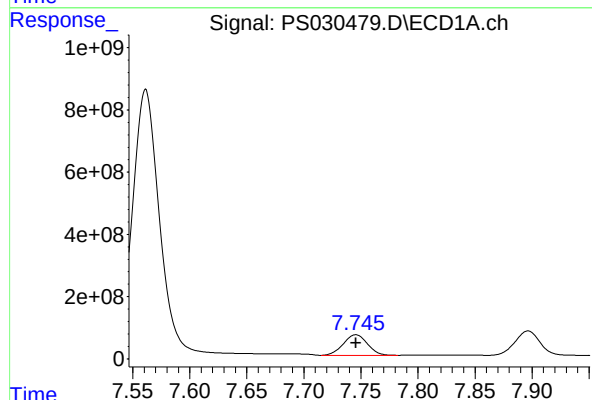
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



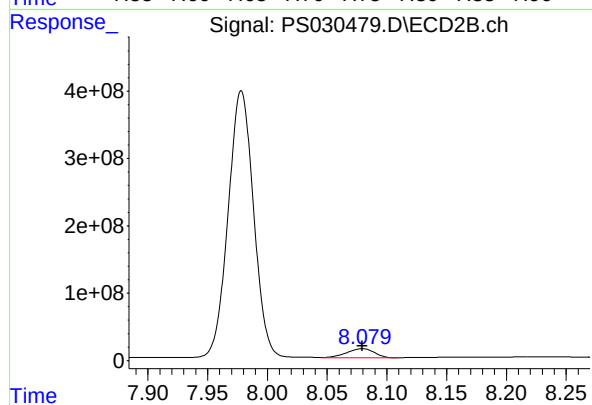
#5 DICAMBA

R.T.: 7.978 min
Delta R.T.: 0.000 min
Response: 5887369046
Conc: 940.93 ng/ml



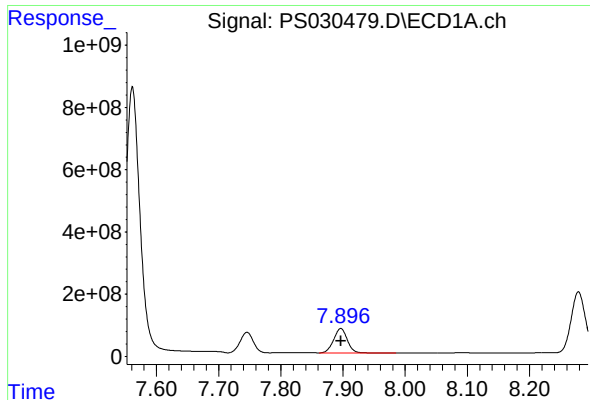
#6 MCPP

R.T.: 7.746 min
Delta R.T.: 0.000 min
Response: 973447009
Conc: 95.84 ug/ml



#6 MCPP

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 220146729
Conc: 94.94 ug/ml



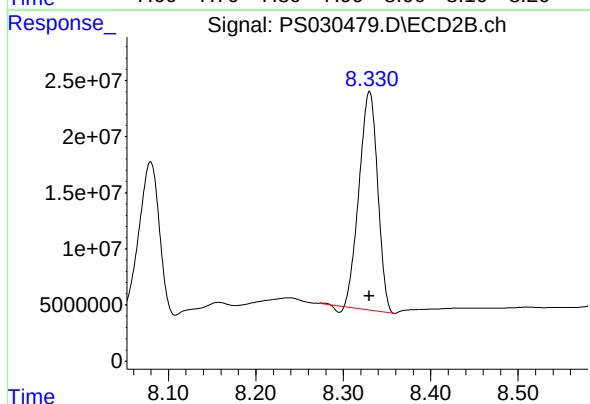
#7 MCPA

R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 1187731889
Conc: 94.06 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

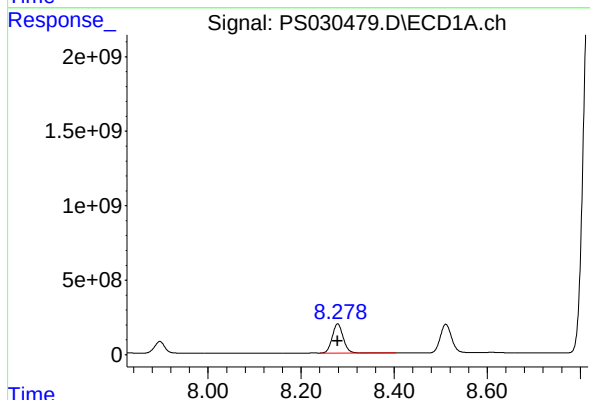
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



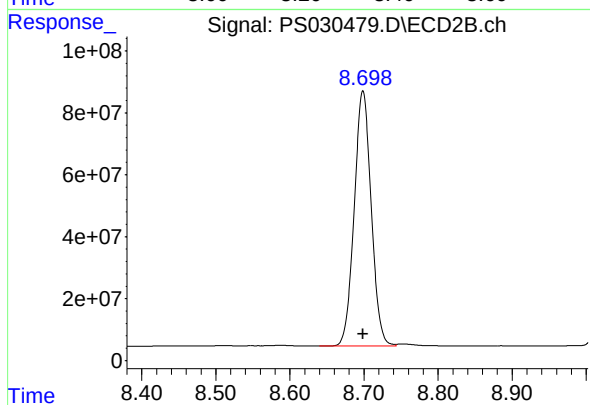
#7 MCPA

R.T.: 8.330 min
Delta R.T.: 0.000 min
Response: 285546080
Conc: 94.78 ug/ml



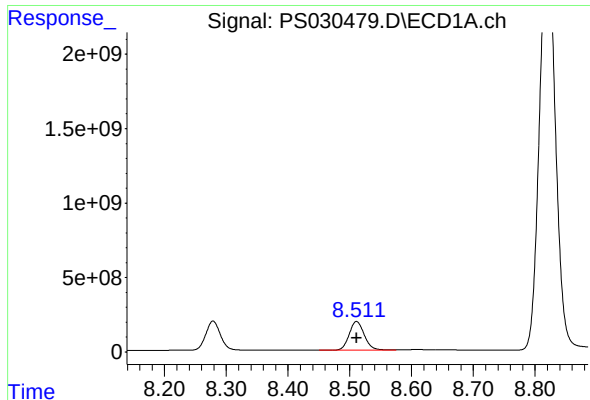
#8 DICHLORPROP

R.T.: 8.279 min
Delta R.T.: 0.000 min
Response: 3224621037
Conc: 933.25 ng/ml



#8 DICHLORPROP

R.T.: 8.699 min
Delta R.T.: 0.000 min
Response: 1312037857
Conc: 934.19 ng/ml



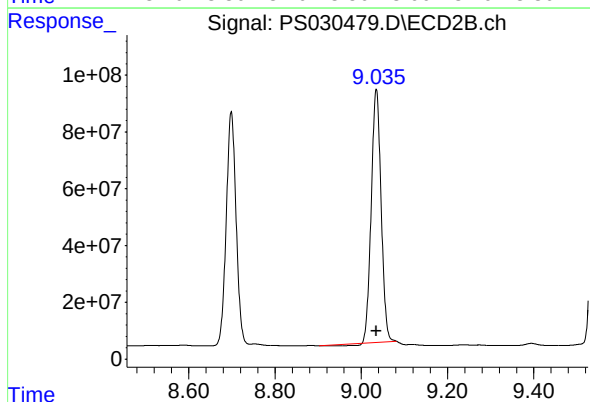
#9 2,4-D

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 3284741071
Conc: 935.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

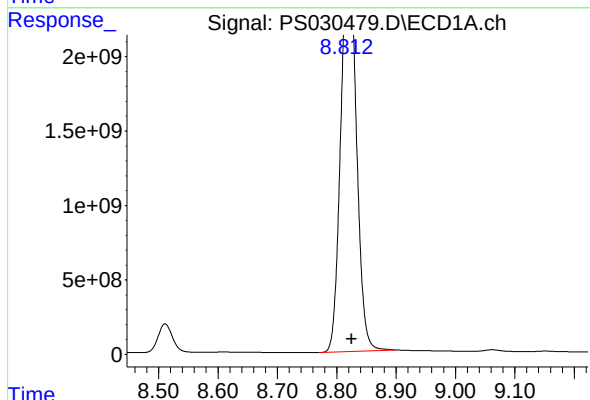
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



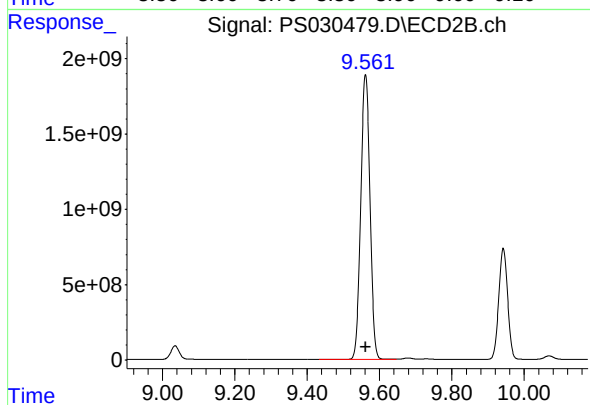
#9 2,4-D

R.T.: 9.035 min
Delta R.T.: 0.000 min
Response: 1399258054
Conc: 935.02 ng/ml



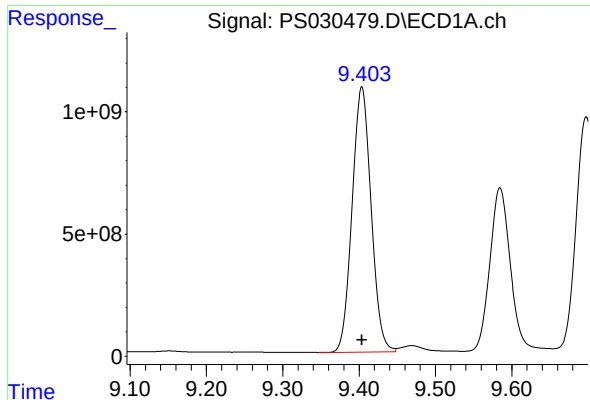
#10 Pentachlorophenol

R.T.: 8.825 min
Delta R.T.: 0.000 min
Response: 45135413541
Conc: 899.80 ng/ml



#10 Pentachlorophenol

R.T.: 9.561 min
Delta R.T.: 0.000 min
Response: 33490448788
Conc: 942.48 ng/ml



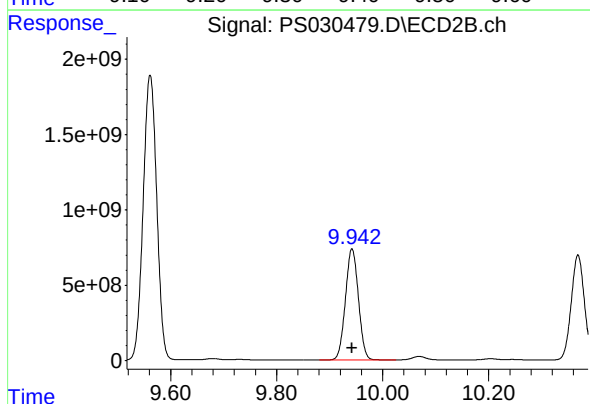
#11 2,4,5-TP (SILVEX)

R.T.: 9.404 min
Delta R.T.: 0.000 min
Response: 18922946638
Conc: 942.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

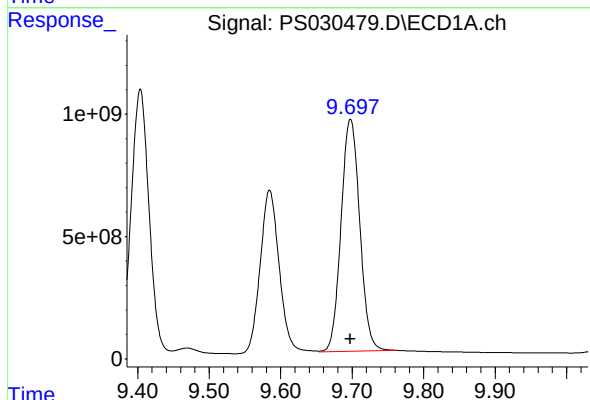
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



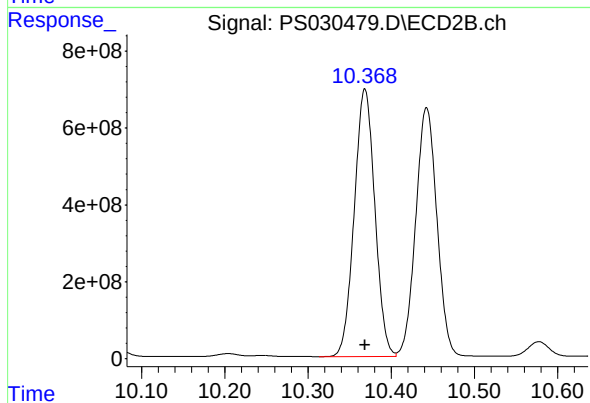
#11 2,4,5-TP (SILVEX)

R.T.: 9.942 min
Delta R.T.: 0.000 min
Response: 12543207195
Conc: 945.21 ng/ml



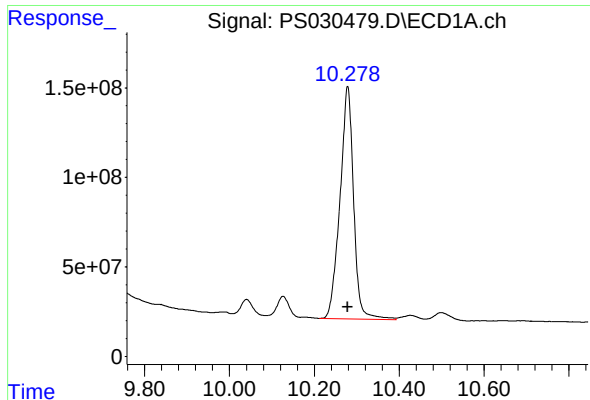
#12 2,4,5-T

R.T.: 9.698 min
Delta R.T.: 0.000 min
Response: 17257522095
Conc: 947.49 ng/ml



#12 2,4,5-T

R.T.: 10.369 min
Delta R.T.: 0.000 min
Response: 11981320543
Conc: 945.77 ng/ml



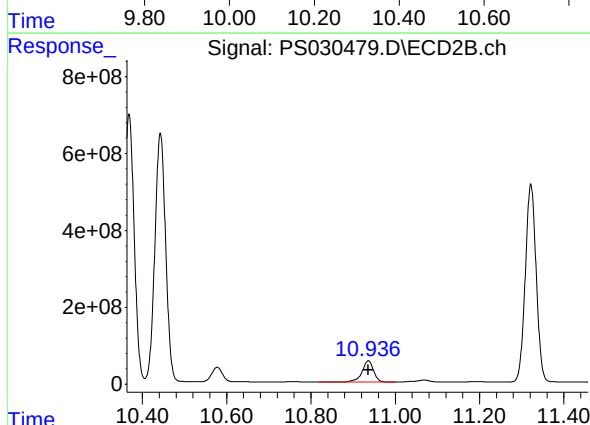
#13 2,4-DB

R.T.: 10.278 min
Delta R.T.: 0.000 min
Response: 2902395028
Conc: 960.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

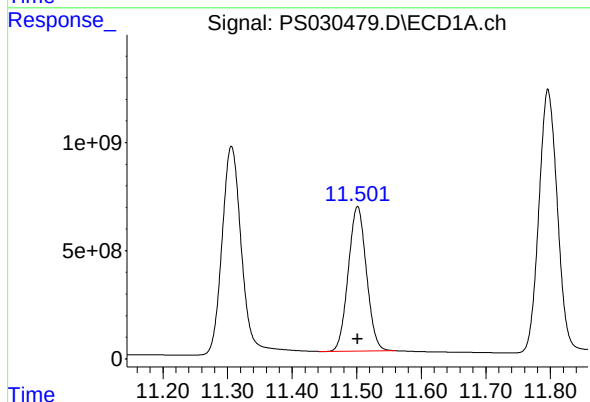
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



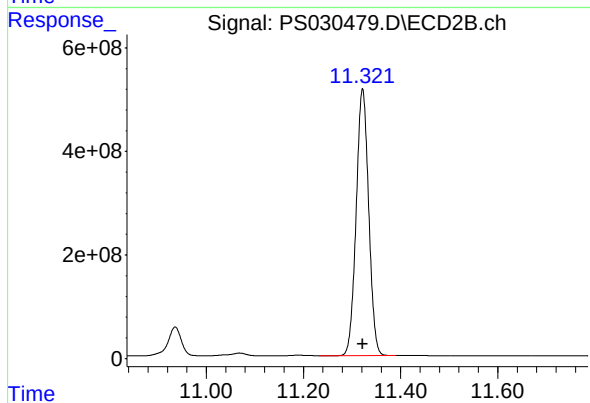
#13 2,4-DB

R.T.: 10.936 min
Delta R.T.: 0.000 min
Response: 1043246406
Conc: 946.75 ng/ml



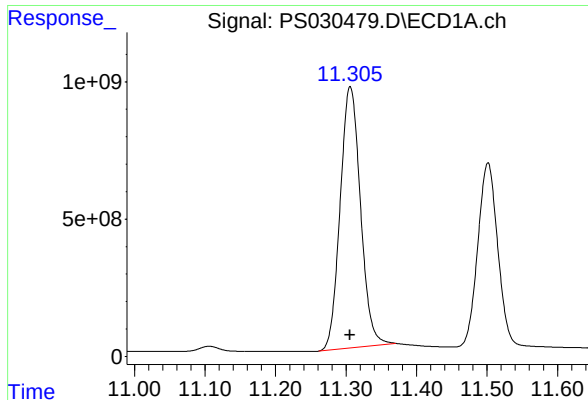
#14 DINOSEB

R.T.: 11.502 min
Delta R.T.: 0.000 min
Response: 13073300358
Conc: 936.55 ng/ml



#14 DINOSEB

R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 9197295147
Conc: 941.11 ng/ml



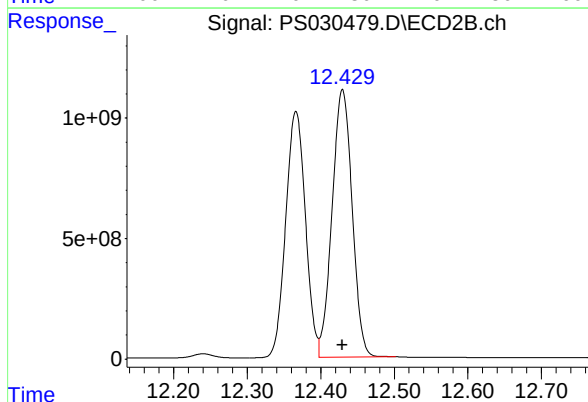
#15 Picloram

R.T.: 11.306 min
Delta R.T.: 0.000 min
Response: 19105824198
Conc: 956.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

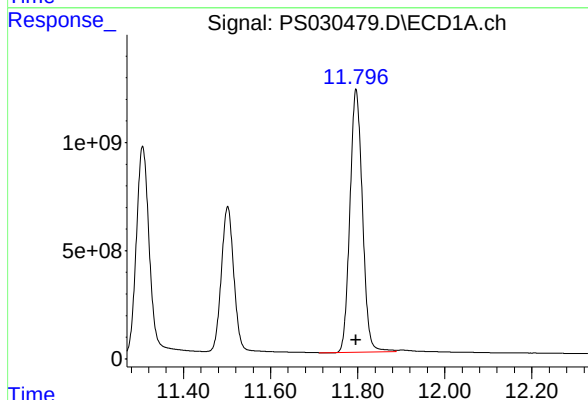
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



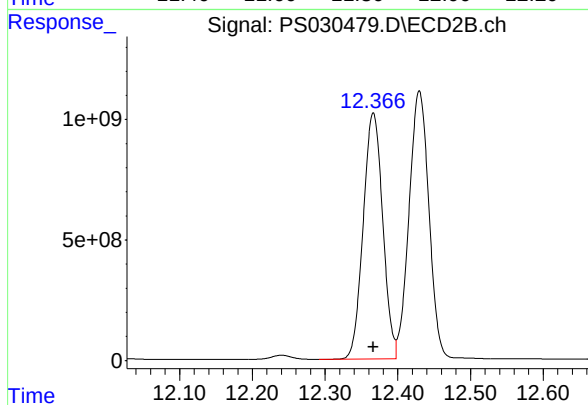
#15 Picloram

R.T.: 12.430 min
Delta R.T.: 0.000 min
Response: 21004362006
Conc: 954.66 ng/ml



#16 DCPA

R.T.: 11.796 min
Delta R.T.: 0.000 min
Response: 24258137091
Conc: 948.26 ng/ml



#16 DCPA

R.T.: 12.366 min
Delta R.T.: 0.000 min
Response: 19020400196
Conc: 954.28 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030480.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 12:55
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/05/2025
 Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 13:20:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:07:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.369	7.774	5114.5E6	1442.5E6	1359.285m	1341.054
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Target Compounds

1) T	Dalapon	2.720	2.710	7077.3E6	3477.6E6	1253.287	1269.202
2) T	3,5-DICHL...	6.524	6.717	6773.8E6	1999.9E6	1248.313	1278.513
3) T	4-Nitroph...	7.167	7.304	2318.6E6	2042.6E6	1264.396	1303.306
5) T	DICAMBA	7.561	7.978	19988.9E6	8628.3E6	1296.086	1339.458
6) T	MCPD	7.749	8.083	1498.2E6	327.1E6	151.254	141.524
7) T	MCPA	7.901	8.334	1789.5E6	447.1E6	141.023	144.658m
8) T	DICHLORPROP	8.278	8.699	4624.4E6	1892.3E6	1271.075	1274.928
9) T	2,4-D	8.511	9.035	4698.9E6	2022.8E6	1289.626	1286.504
10) T	Pentachlo...	8.830	9.563	52360.6E6	44299.7E6	1031.002	1225.847
11) T	2,4,5-TP ...	9.403	9.942	26760.6E6	17924.0E6	1294.969	1306.726
12) T	2,4,5-T	9.697	10.368	24470.3E6	17161.6E6	1327.668	1314.350
13) T	2,4-DB	10.277	10.935	4249.5E6	1517.5E6	1399.547	1320.041
14) T	DINOSEB	11.501	11.322	18597.9E6	13281.7E6	1293.774	1321.547
15) T	Picloram	11.306	12.430	27906.5E6	30398.4E6	1394.990	1376.496
16) T	DCPA	11.797	12.367	33946.6E6	26887.9E6	1283.906	1313.980

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:55
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

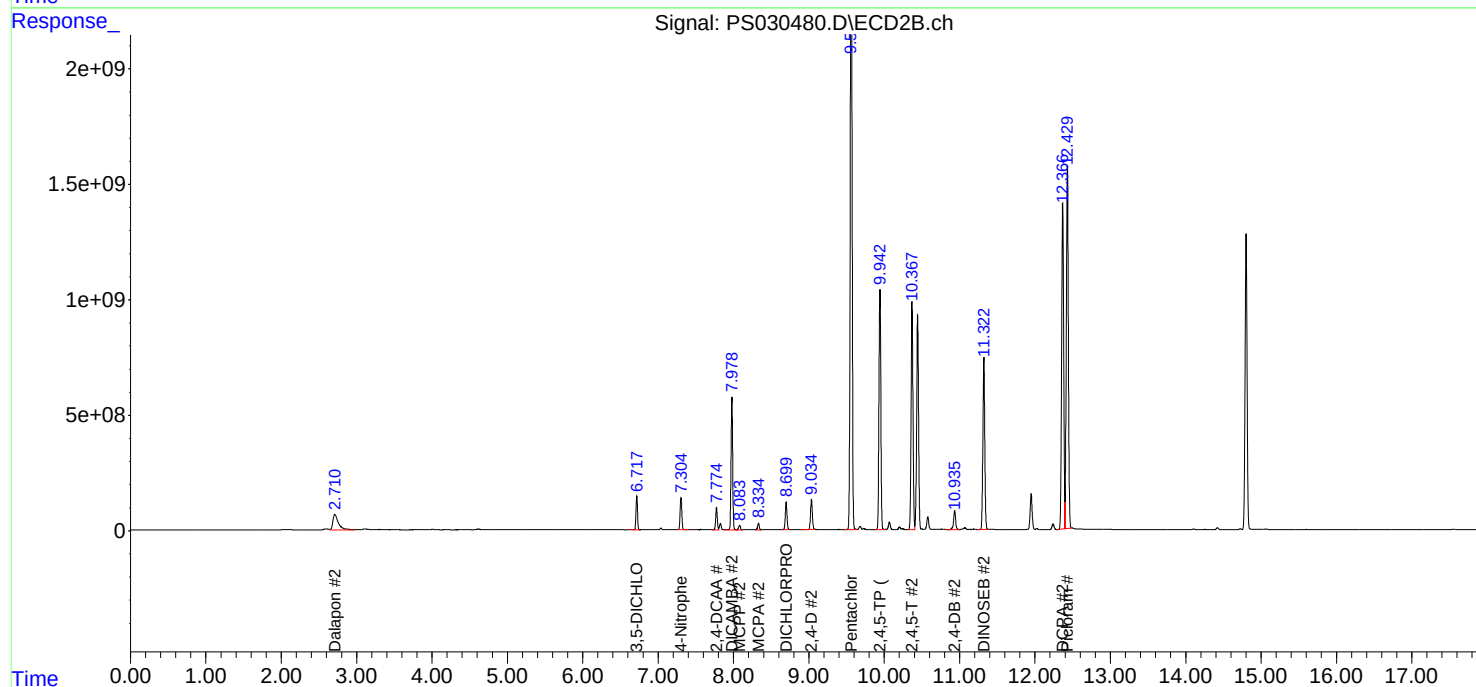
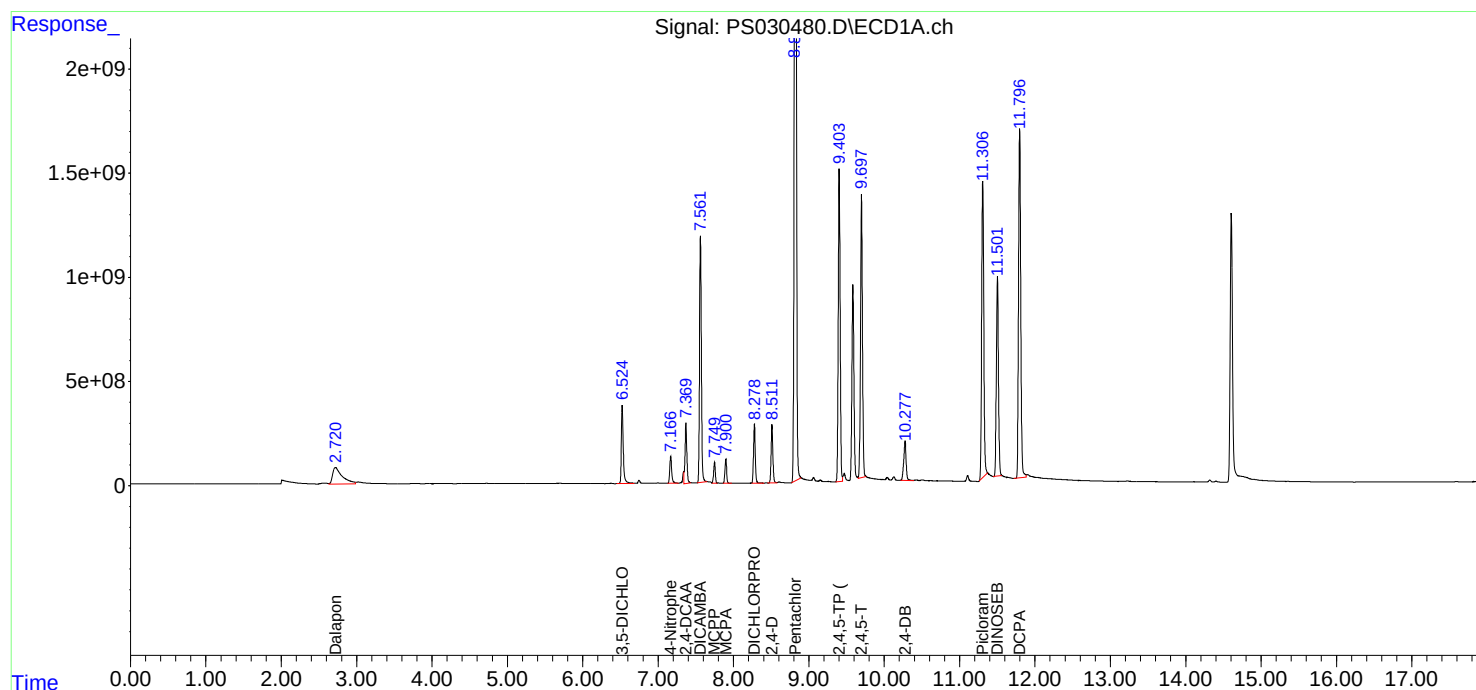
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

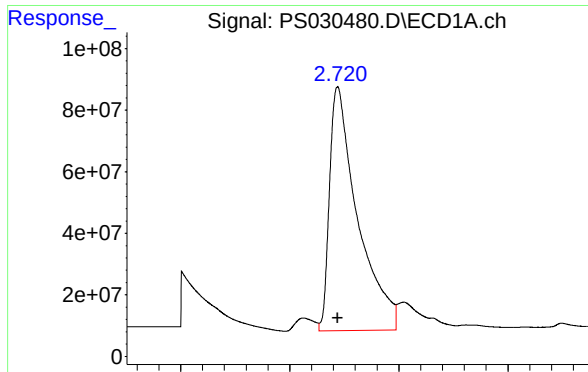
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/05/2025
Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:20:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 2025
Response via : Initial 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





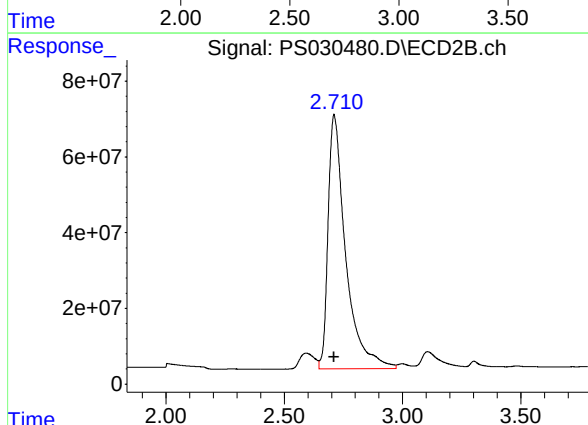
#1 Dalapon

R.T.: 2.720 min
Delta R.T.: 0.000 min
Response: 7077278651
Conc: 1253.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

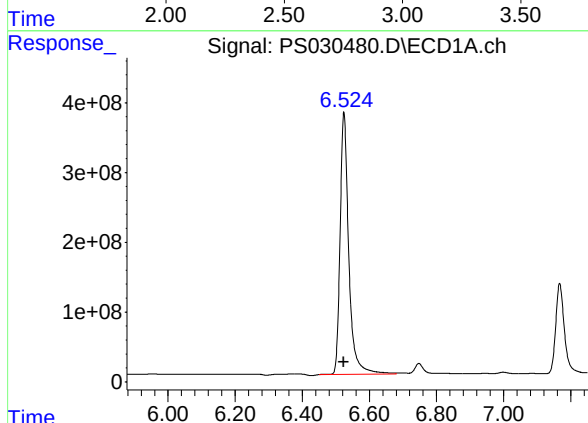
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



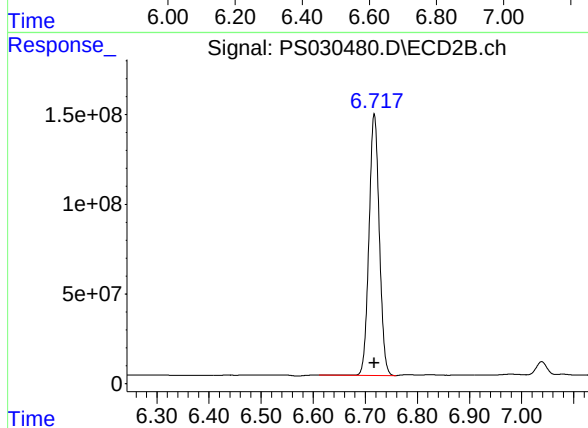
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 3477632975
Conc: 1269.20 ng/ml



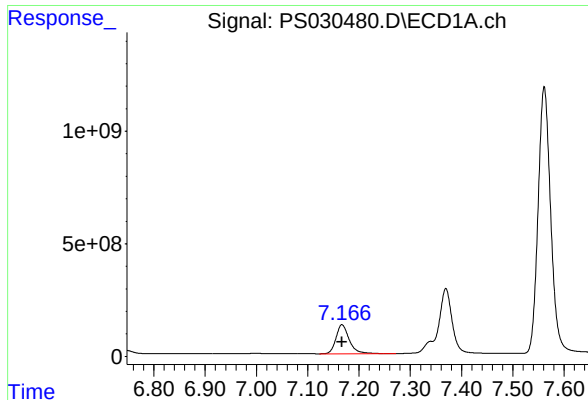
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 6773783620
Conc: 1248.31 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.717 min
Delta R.T.: 0.000 min
Response: 1999910908
Conc: 1278.51 ng/ml



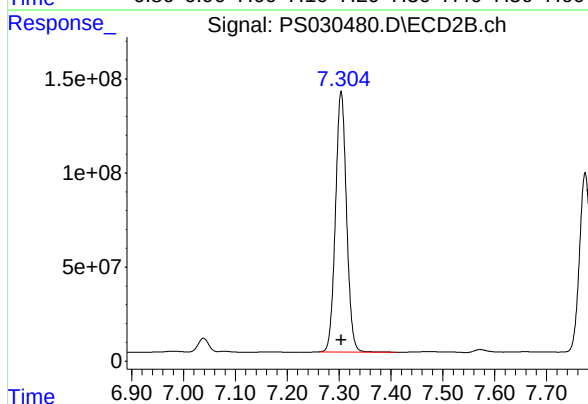
#3 4-Nitrophenol

R.T.: 7.167 min
Delta R.T.: 0.000 min
Response: 2318592798
Conc: 1264.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

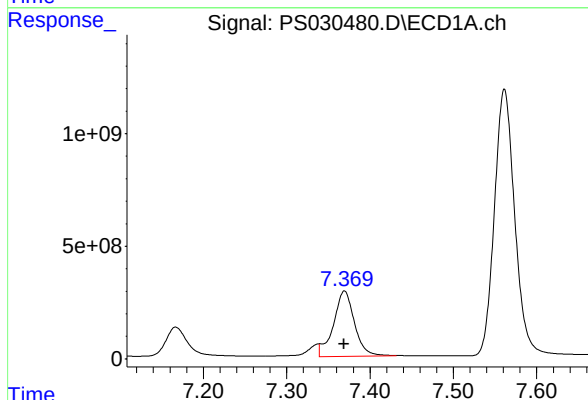
Manual Integrations
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Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



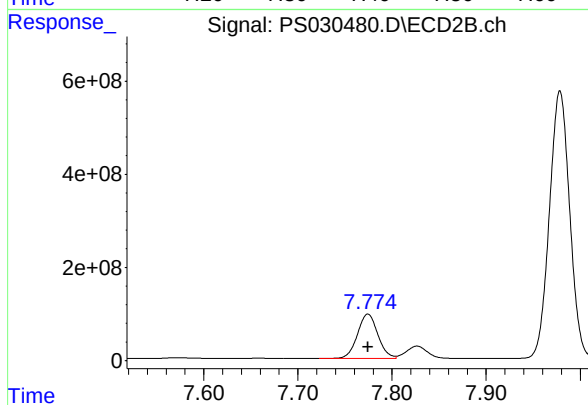
#3 4-Nitrophenol

R.T.: 7.304 min
Delta R.T.: 0.000 min
Response: 2042597348
Conc: 1303.31 ng/ml



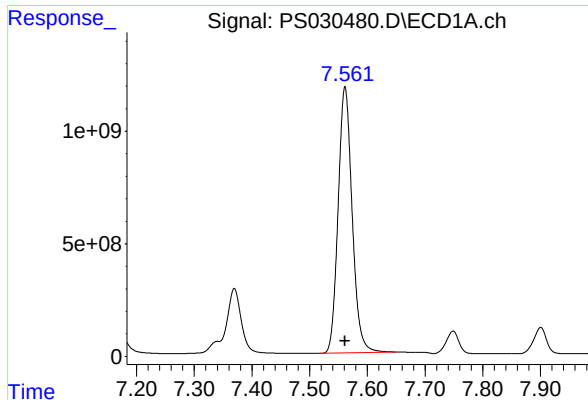
#4 2,4-DCAA

R.T.: 7.369 min
Delta R.T.: 0.000 min
Response: 5114542322
Conc: 1359.29 ng/ml m



#4 2,4-DCAA

R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 1442451493
Conc: 1341.05 ng/ml



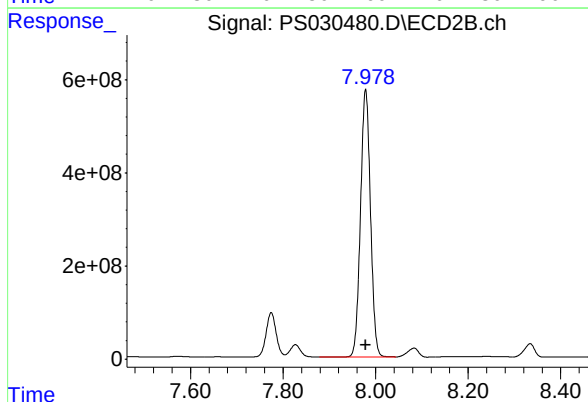
#5 DICAMBA

R.T.: 7.561 min
Delta R.T.: 0.000 min
Response: 19988929155
Conc: 1296.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

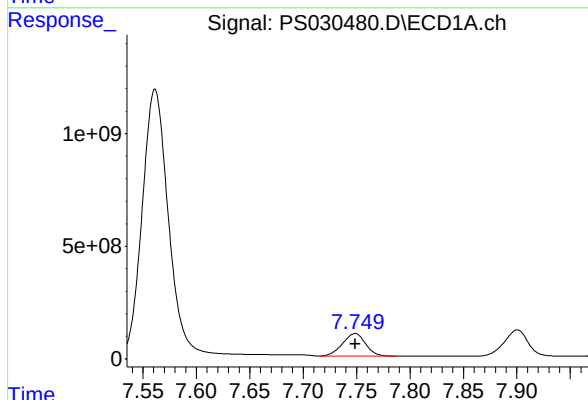
Manual Integrations
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Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



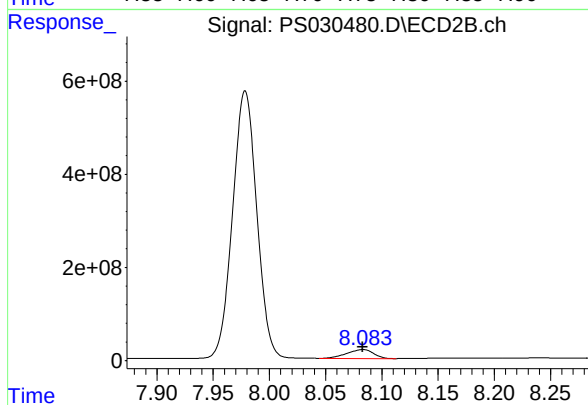
#5 DICAMBA

R.T.: 7.978 min
Delta R.T.: 0.000 min
Response: 8628314157
Conc: 1339.46 ng/ml



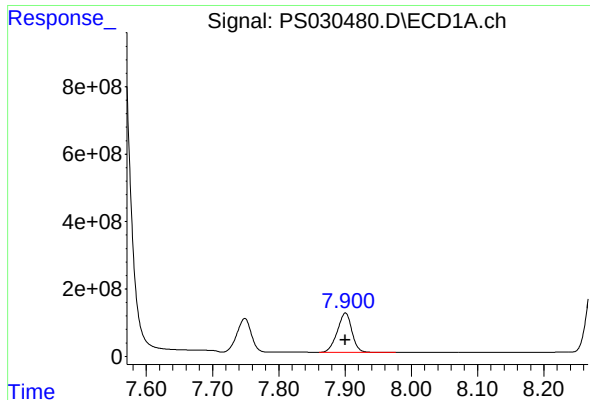
#6 MCPP

R.T.: 7.749 min
Delta R.T.: 0.000 min
Response: 1498158976
Conc: 151.25 ug/ml



#6 MCPP

R.T.: 8.083 min
Delta R.T.: 0.000 min
Response: 327146473
Conc: 141.52 ug/ml



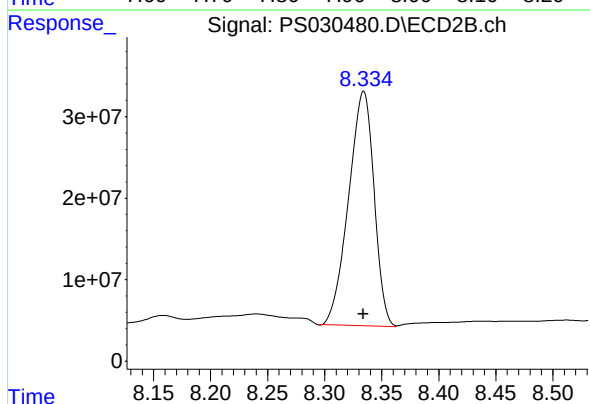
#7 MCPA

R.T.: 7.901 min
Delta R.T.: 0.000 min
Response: 1789492554
Conc: 141.02 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

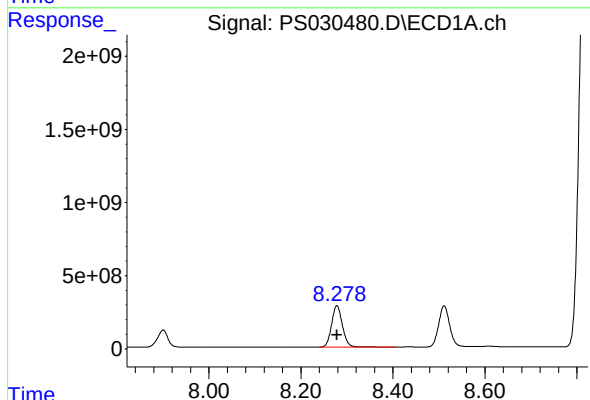
Manual Integrations
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Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



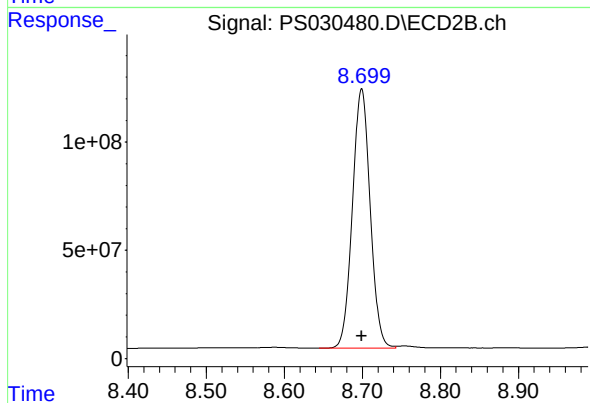
#7 MCPA

R.T.: 8.334 min
Delta R.T.: 0.000 min
Response: 447057237
Conc: 144.66 ug/ml m



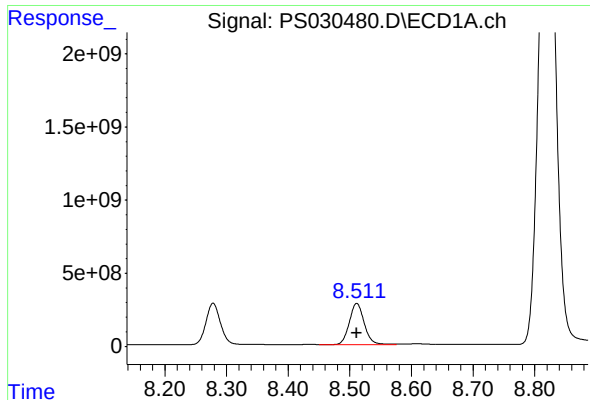
#8 DICHLORPROP

R.T.: 8.278 min
Delta R.T.: 0.000 min
Response: 4624355651
Conc: 1271.07 ng/ml



#8 DICHLORPROP

R.T.: 8.699 min
Delta R.T.: 0.000 min
Response: 1892253090
Conc: 1274.93 ng/ml



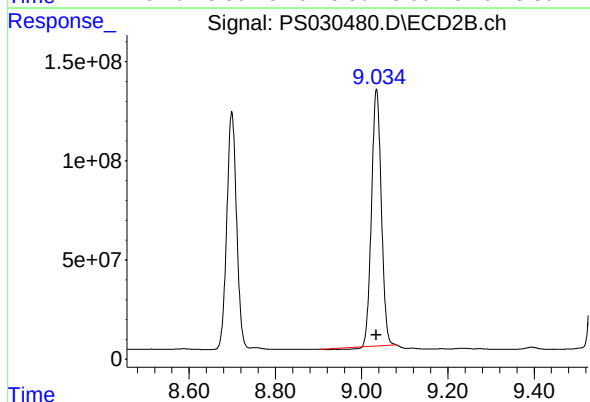
#9 2,4-D

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 4698897307
Conc: 1289.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

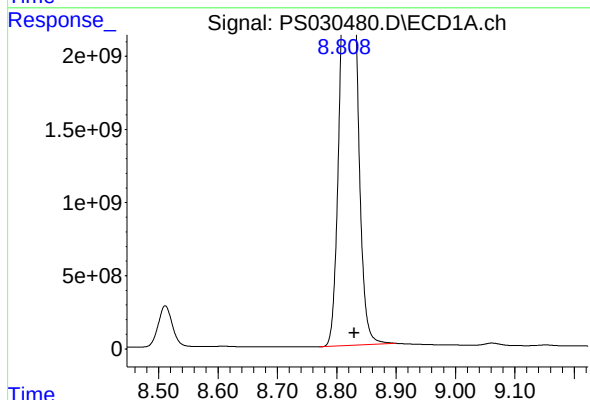
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



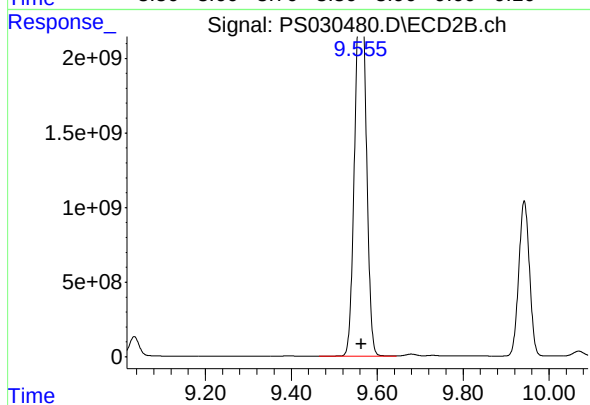
#9 2,4-D

R.T.: 9.035 min
Delta R.T.: 0.000 min
Response: 2022797528
Conc: 1286.50 ng/ml



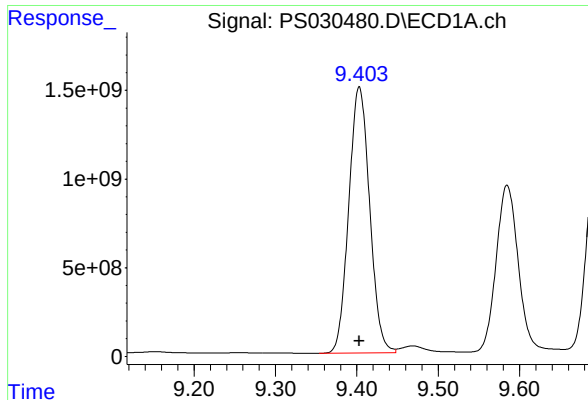
#10 Pentachlorophenol

R.T.: 8.830 min
Delta R.T.: 0.000 min
Response: 52360640609
Conc: 1031.00 ng/ml



#10 Pentachlorophenol

R.T.: 9.563 min
Delta R.T.: 0.000 min
Response: 44299685584
Conc: 1225.85 ng/ml



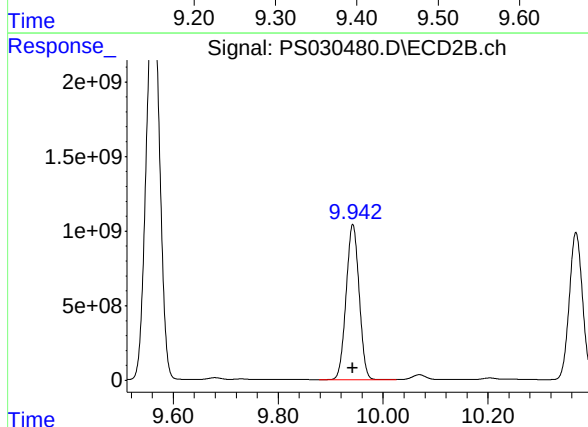
#11 2,4,5-TP (SILVEX)

R.T.: 9.403 min
Delta R.T.: 0.000 min
Response: 26760643441
Conc: 1294.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

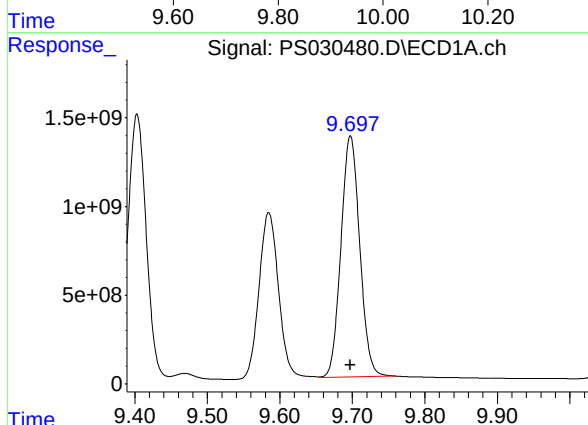
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



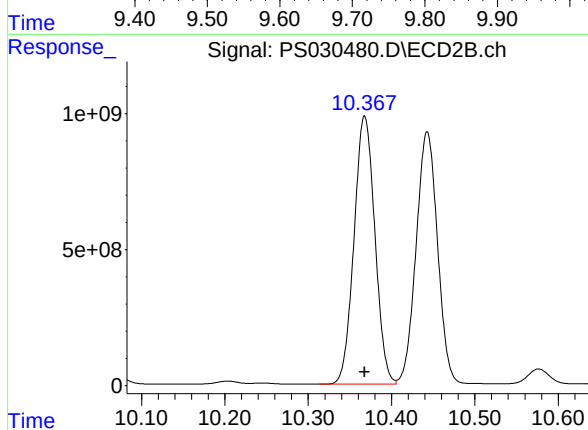
#11 2,4,5-TP (SILVEX)

R.T.: 9.942 min
Delta R.T.: 0.000 min
Response: 17924028897
Conc: 1306.73 ng/ml



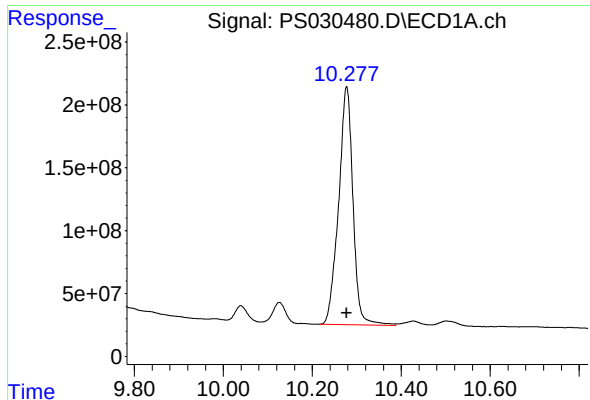
#12 2,4,5-T

R.T.: 9.697 min
Delta R.T.: 0.000 min
Response: 24470332149
Conc: 1327.67 ng/ml



#12 2,4,5-T

R.T.: 10.368 min
Delta R.T.: 0.000 min
Response: 17161639918
Conc: 1314.35 ng/ml



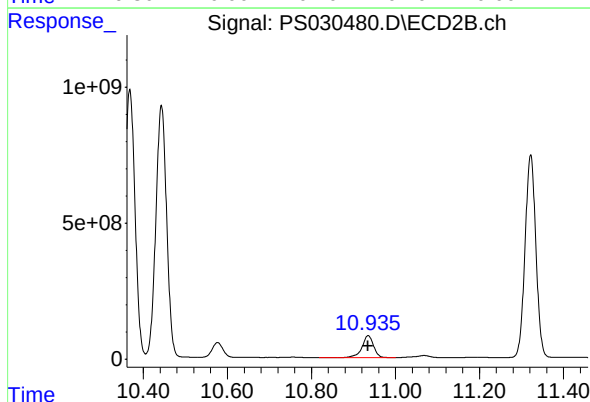
#13 2,4-DB

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 4249534275
Conc: 1399.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

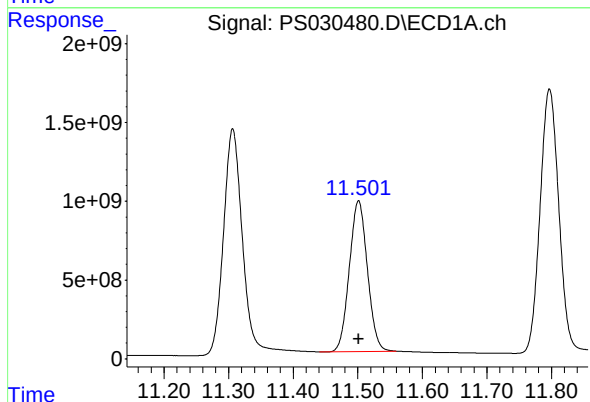
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



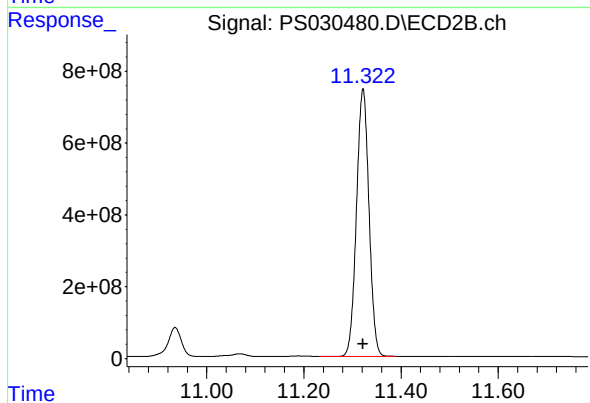
#13 2,4-DB

R.T.: 10.935 min
Delta R.T.: 0.000 min
Response: 1517456822
Conc: 1320.04 ng/ml



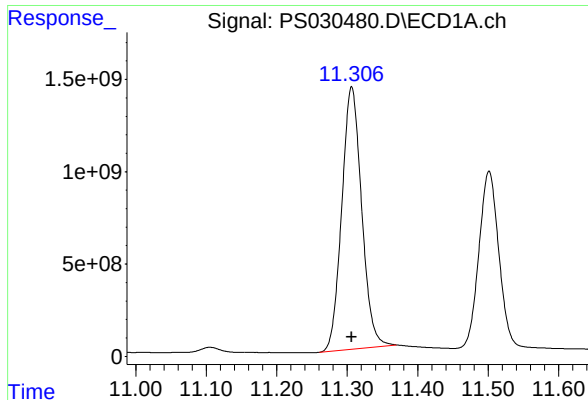
#14 DINOSEB

R.T.: 11.501 min
Delta R.T.: 0.000 min
Response: 18597915237
Conc: 1293.77 ng/ml



#14 DINOSEB

R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 13281702152
Conc: 1321.55 ng/ml



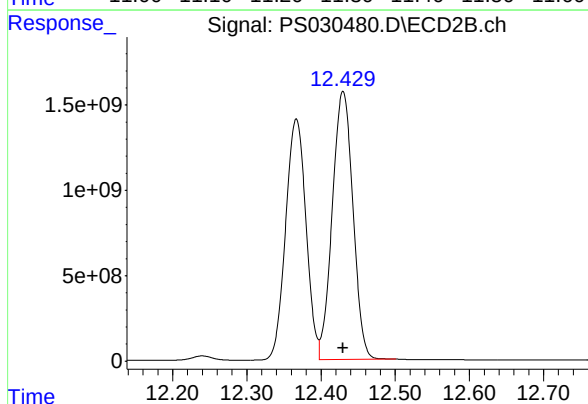
#15 Picloram

R.T.: 11.306 min
Delta R.T.: 0.000 min
Response: 27906504504
Conc: 1394.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

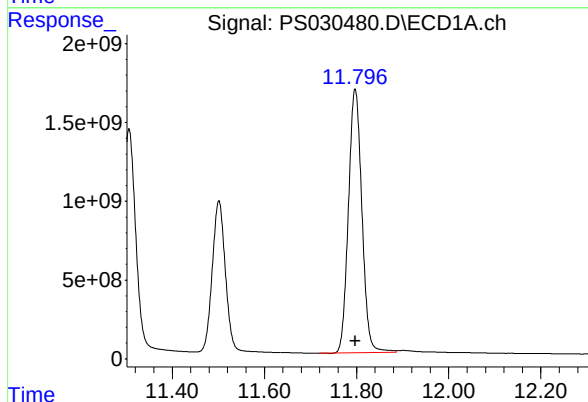
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



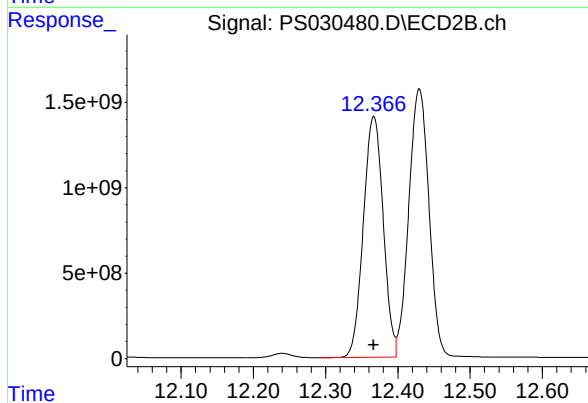
#15 Picloram

R.T.: 12.430 min
Delta R.T.: 0.000 min
Response: 30398367280
Conc: 1376.50 ng/ml



#16 DCPA

R.T.: 11.797 min
Delta R.T.: 0.000 min
Response: 33946607466
Conc: 1283.91 ng/ml



#16 DCPA

R.T.: 12.367 min
Delta R.T.: 0.000 min
Response: 26887890724
Conc: 1313.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030481.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 13:35
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS060425

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 14:09:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.370	7.771	2779.2E6	744.7E6	736.179m	692.376
Target Compounds							
1) T	Dalapon	2.714	2.705	3877.5E6	1823.2E6	686.652	665.381
2) T	3,5-DICHL...	6.525	6.713	3695.4E6	1043.6E6	681.009	667.130
3) T	4-Nitroph...	7.169	7.300	1225.8E6	1032.9E6	668.475	659.037
5) T	DICAMBA	7.563	7.975	10727.3E6	4354.5E6	695.557	675.993
6) T	MCP	7.746	8.074	698.1E6	157.4E6	70.484	68.090
7) T	MCPA	7.897	8.324	861.2E6	203.6E6	67.866	65.964
8) T	DICHLORPROP	8.281	8.695	2469.0E6	997.8E6	678.655	672.256
9) T	2,4-D	8.514	9.031	2588.4E6	1072.3E6	710.397	682.017
10) T	Pentachlo...	8.823	9.558	38130.8E6	25498.1E6	750.811	705.574
11) T	2,4,5-TP ...	9.406	9.939	14651.6E6	9473.2E6	709.003	690.633
12) T	2,4,5-T	9.700	10.366	13151.1E6	9065.2E6	713.527	694.273
13) T	2,4-DB	10.282	10.933	2193.0E6	785.8E6	722.260	683.578
14) T	DINOSEB	11.505	11.320	10027.6E6	6923.3E6	697.574	688.879
15) T	Picloram	11.310	12.428	14073.5E6	15641.1E6	703.508	708.260
16) T	DCPA	11.801	12.365	19004.7E6	14438.0E6	718.784	705.569

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 13:35
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS060425

Manual Integrations

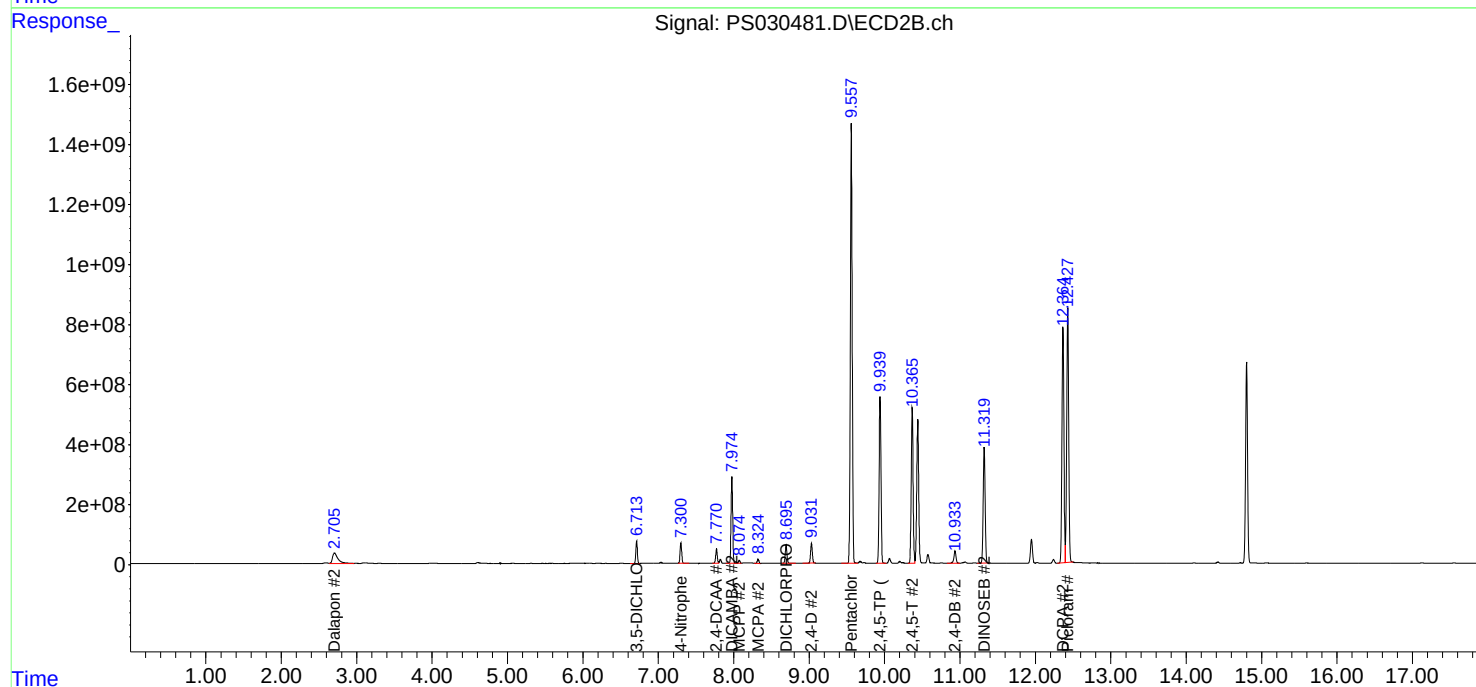
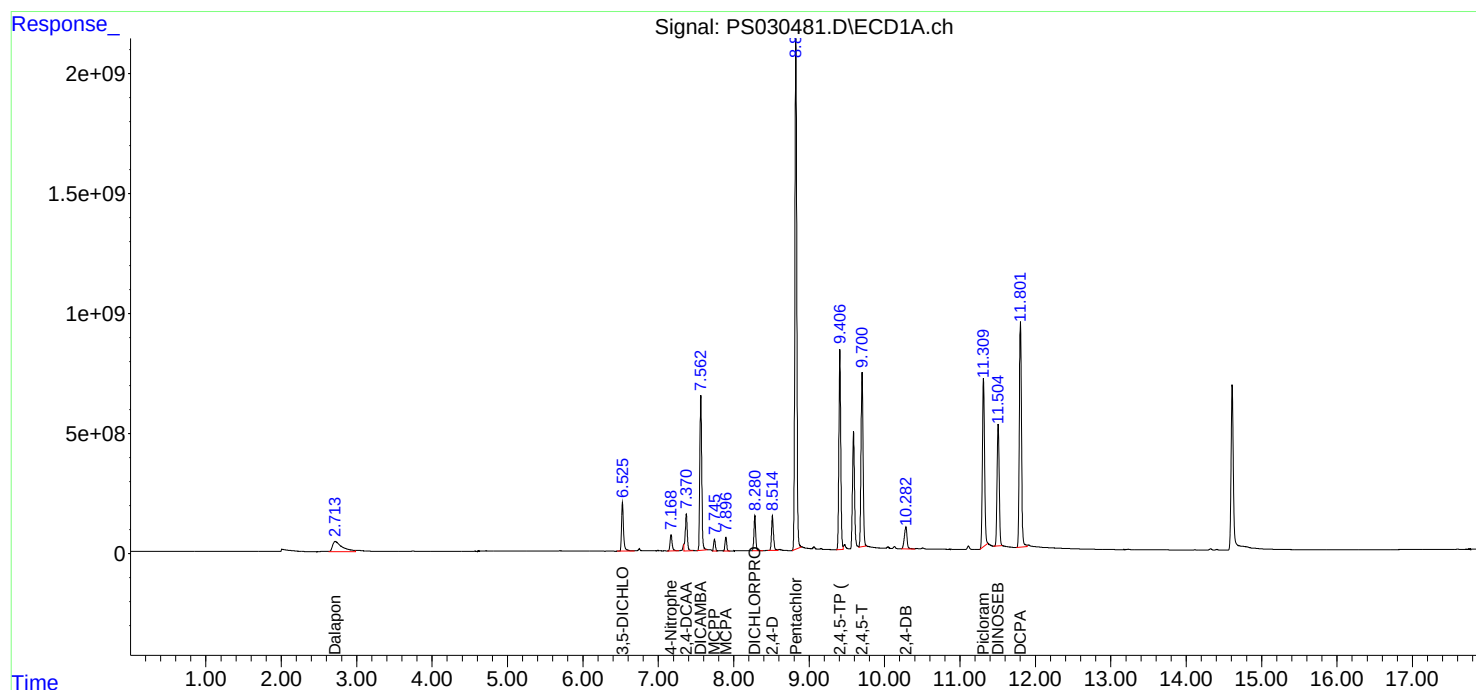
APPROVED

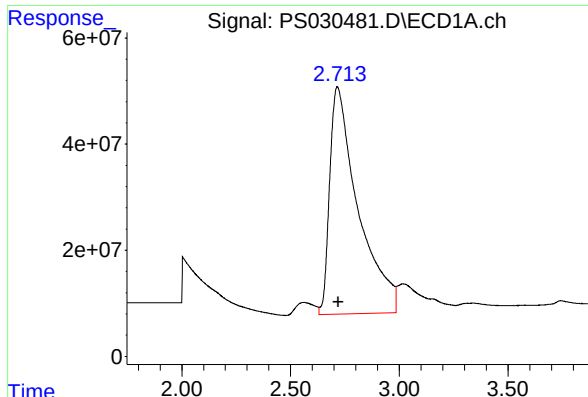
Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:09:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





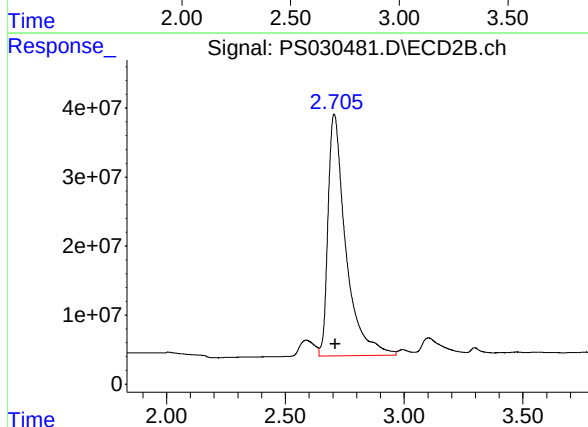
#1 Dalapon

R.T.: 2.714 min
Delta R.T.: -0.006 min
Response: 3877503909
Conc: 686.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

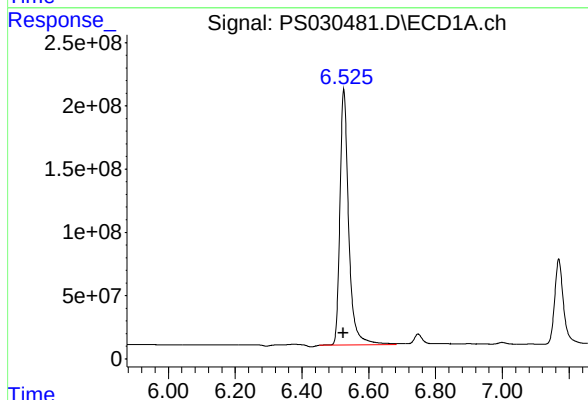
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



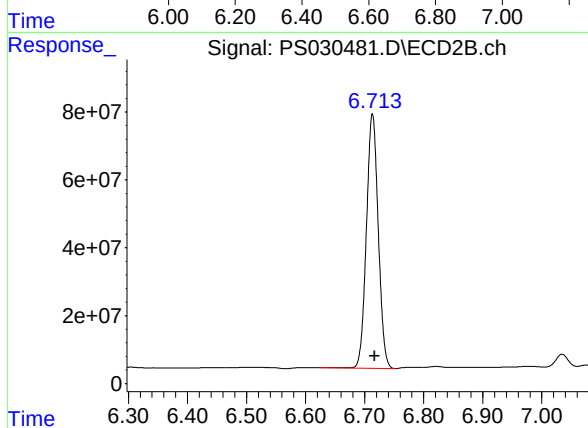
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: -0.005 min
Response: 1823153282
Conc: 665.38 ng/ml



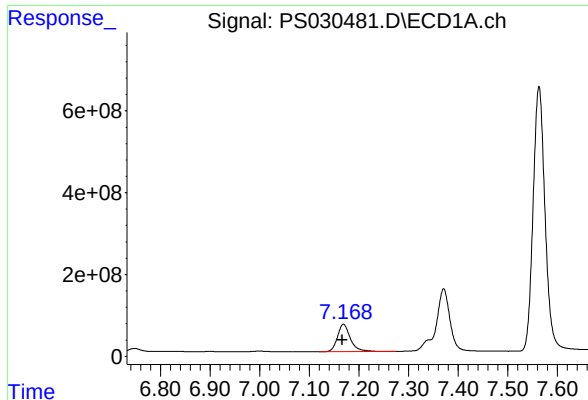
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.525 min
Delta R.T.: 0.001 min
Response: 3695395389
Conc: 681.01 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: -0.004 min
Response: 1043556693
Conc: 667.13 ng/ml



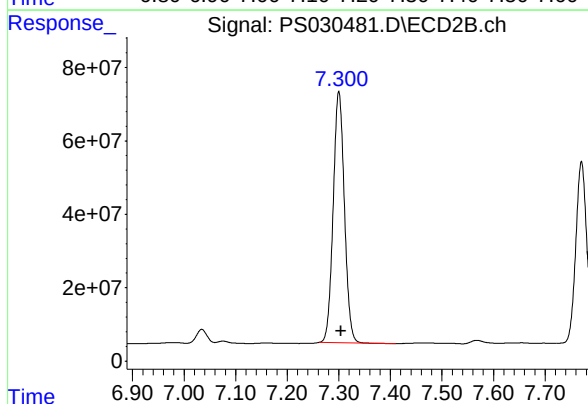
#3 4-Nitrophenol

R.T.: 7.169 min
Delta R.T.: 0.002 min
Response: 1225819458
Conc: 668.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

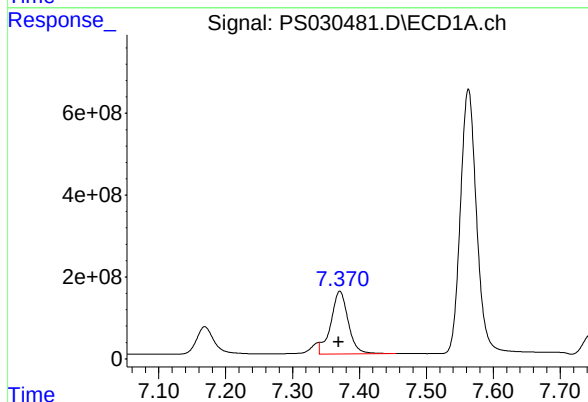
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



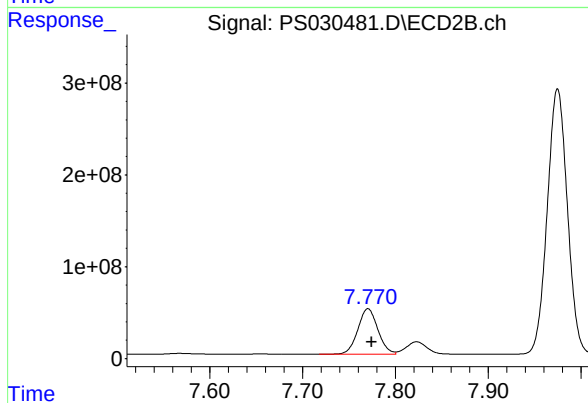
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.004 min
Response: 1032871574
Conc: 659.04 ng/ml



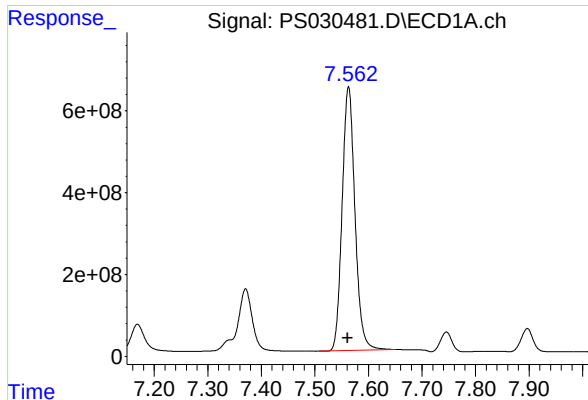
#4 2,4-DCAA

R.T.: 7.370 min
Delta R.T.: 0.001 min
Response: 2779181160
Conc: 736.18 ng/ml m



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: -0.004 min
Response: 744726314
Conc: 692.38 ng/ml



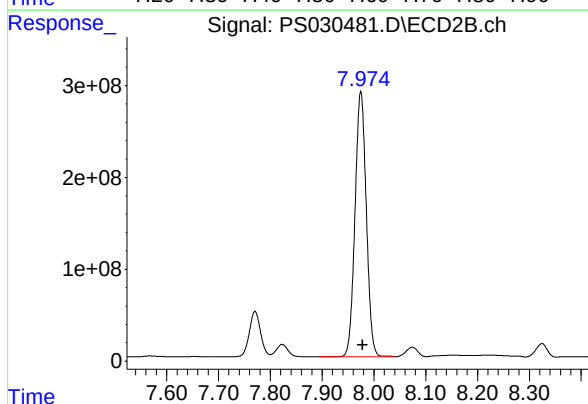
#5 DICAMBA

R.T.: 7.563 min
Delta R.T.: 0.002 min
Response: 10727256402
Conc: 695.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

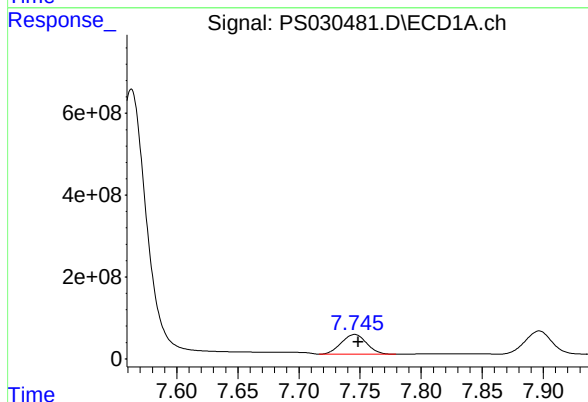
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



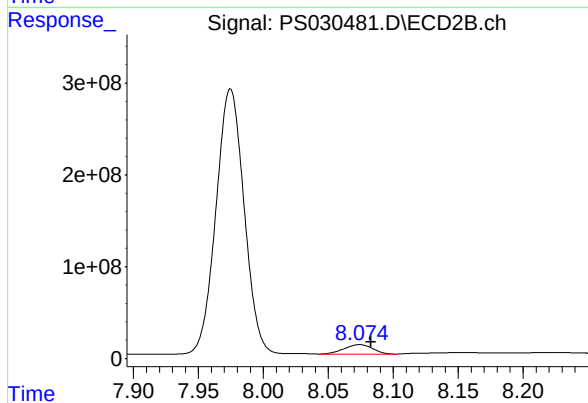
#5 DICAMBA

R.T.: 7.975 min
Delta R.T.: -0.004 min
Response: 4354510143
Conc: 675.99 ng/ml



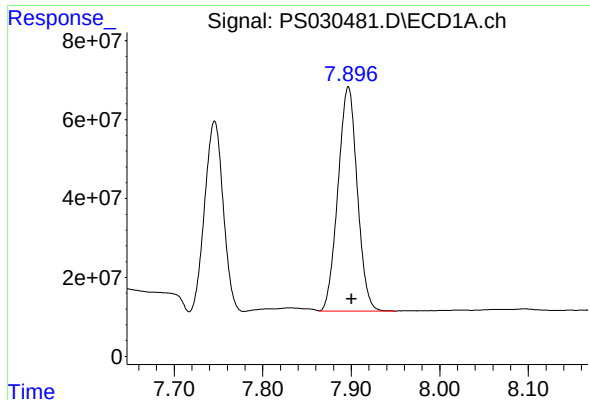
#6 MCPP

R.T.: 7.746 min
Delta R.T.: -0.003 min
Response: 698139097
Conc: 70.48 ug/ml



#6 MCPP

R.T.: 8.074 min
Delta R.T.: -0.009 min
Response: 157396923
Conc: 68.09 ug/ml



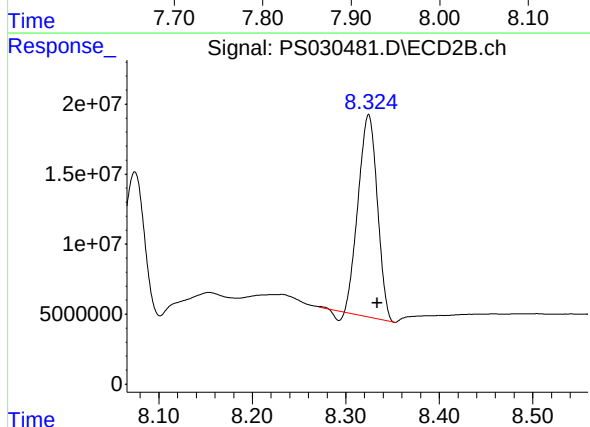
#7 MCPA

R.T.: 7.897 min
Delta R.T.: -0.004 min
Response: 861173508
Conc: 67.87 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

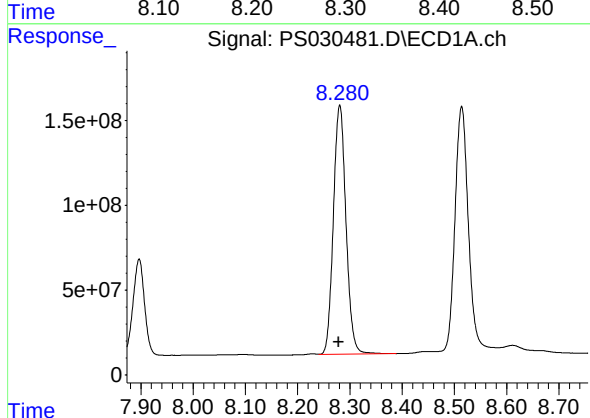
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



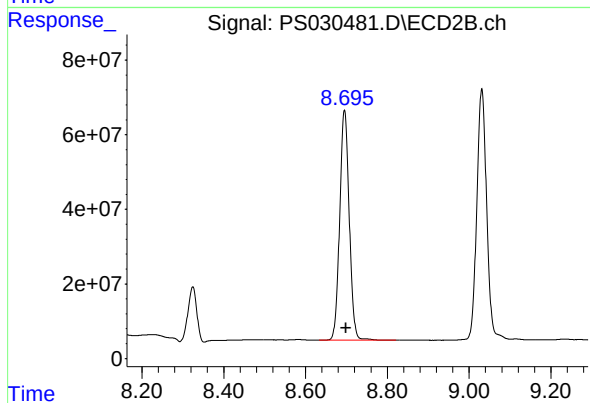
#7 MCPA

R.T.: 8.324 min
Delta R.T.: -0.009 min
Response: 203558957
Conc: 65.96 ug/ml



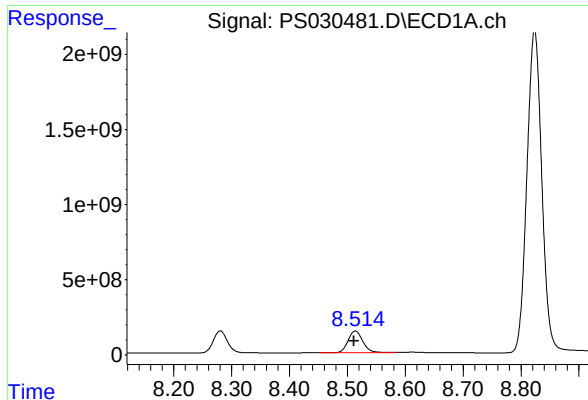
#8 DICHLORPROP

R.T.: 8.281 min
Delta R.T.: 0.002 min
Response: 2469046936
Conc: 678.66 ng/ml



#8 DICHLORPROP

R.T.: 8.695 min
Delta R.T.: -0.004 min
Response: 997765380
Conc: 672.26 ng/ml



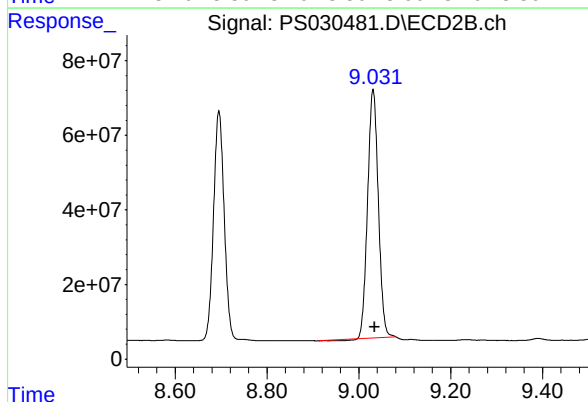
#9 2,4-D

R.T.: 8.514 min
Delta R.T.: 0.003 min
Response: 2588411056
Conc: 710.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

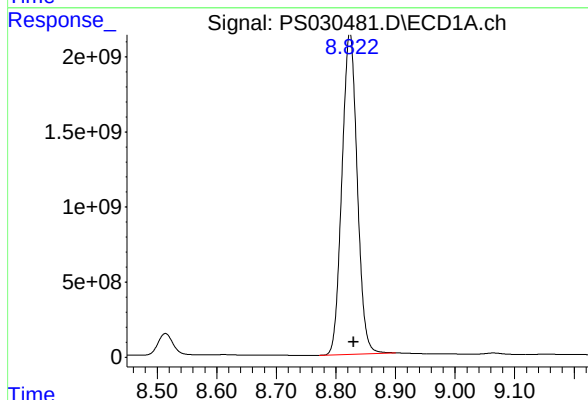
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 06/06/2025



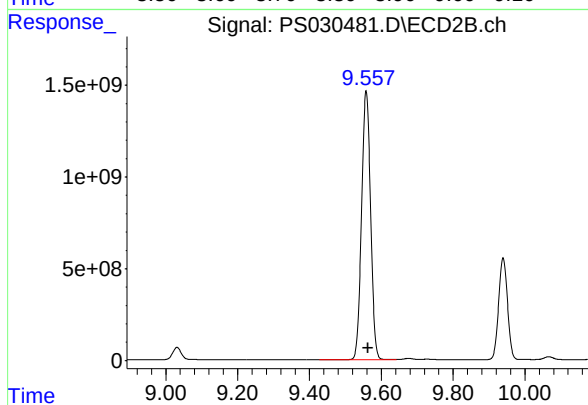
#9 2,4-D

R.T.: 9.031 min
Delta R.T.: -0.003 min
Response: 1072349642
Conc: 682.02 ng/ml



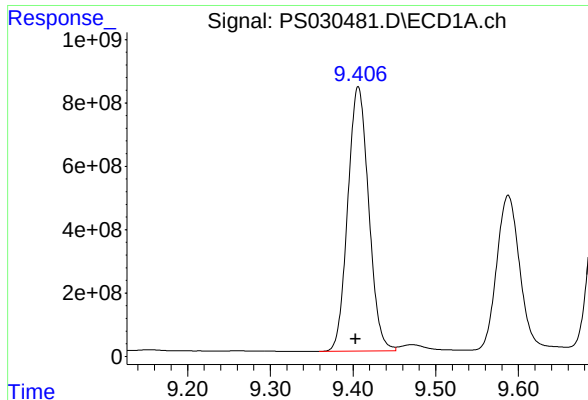
#10 Pentachlorophenol

R.T.: 8.823 min
Delta R.T.: -0.006 min
Response: 38130836938
Conc: 750.81 ng/ml



#10 Pentachlorophenol

R.T.: 9.558 min
Delta R.T.: -0.005 min
Response: 25498059608
Conc: 705.57 ng/ml



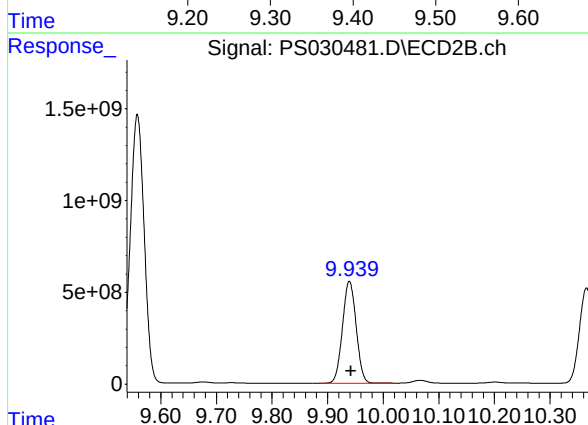
#11 2,4,5-TP (SILVEX)

R.T.: 9.406 min
Delta R.T.: 0.003 min
Response: 14651605930
Conc: 709.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

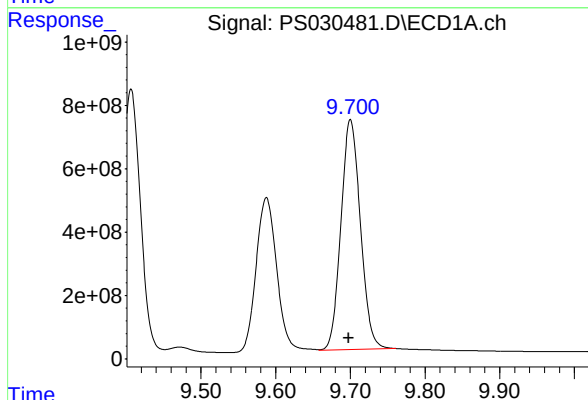
Manual Integrations
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Supervised By :mohammad ahmed 06/06/2025



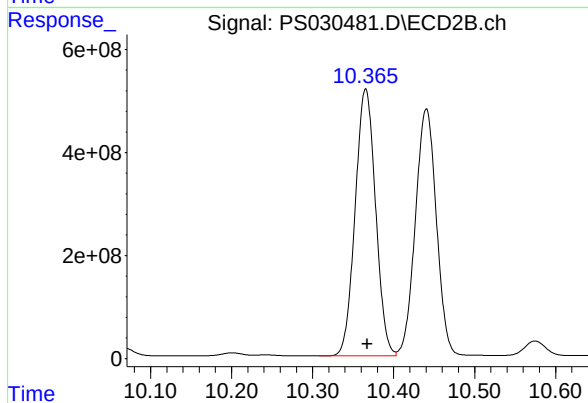
#11 2,4,5-TP (SILVEX)

R.T.: 9.939 min
Delta R.T.: -0.003 min
Response: 9473236191
Conc: 690.63 ng/ml



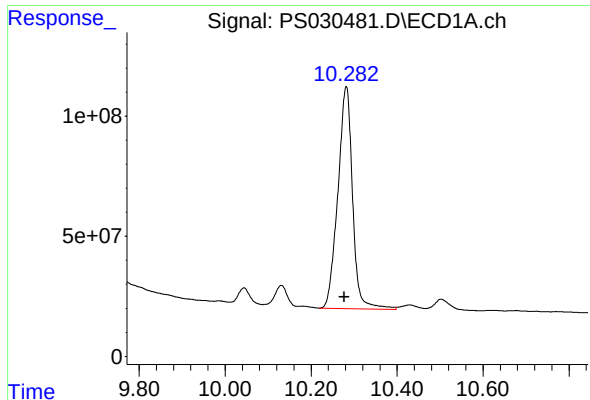
#12 2,4,5-T

R.T.: 9.700 min
Delta R.T.: 0.003 min
Response: 13151066580
Conc: 713.53 ng/ml



#12 2,4,5-T

R.T.: 10.366 min
Delta R.T.: -0.002 min
Response: 9065212692
Conc: 694.27 ng/ml



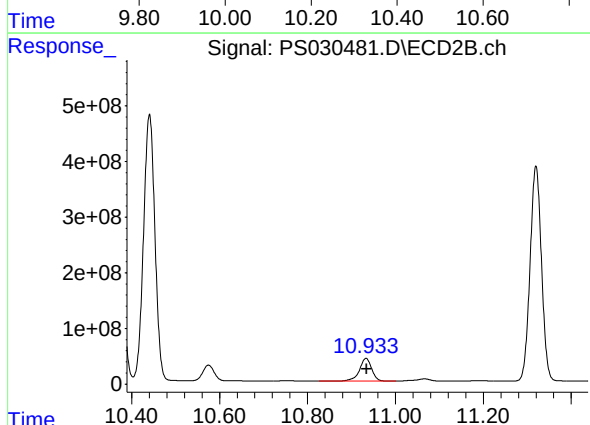
#13 2,4-DB

R.T.: 10.282 min
Delta R.T.: 0.004 min
Response: 2193044082
Conc: 722.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

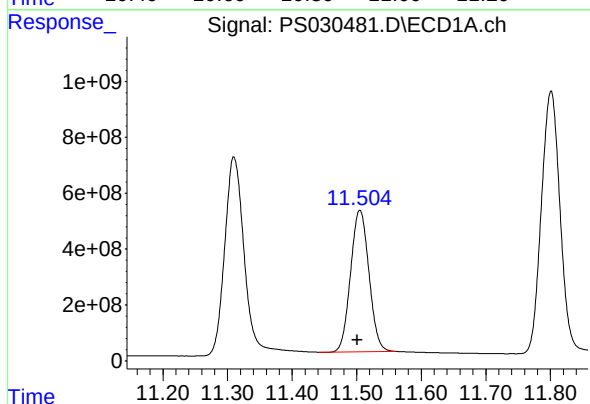
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 06/06/2025



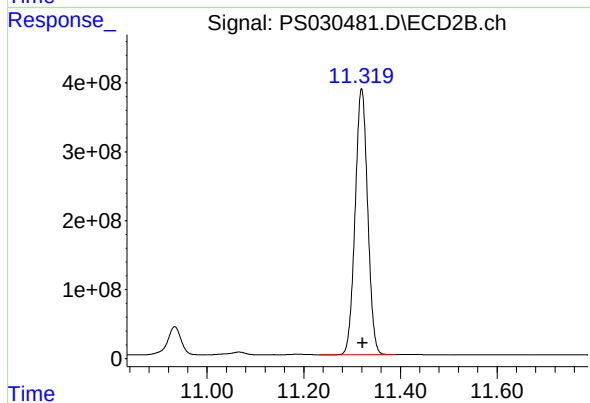
#13 2,4-DB

R.T.: 10.933 min
Delta R.T.: -0.002 min
Response: 785808946
Conc: 683.58 ng/ml



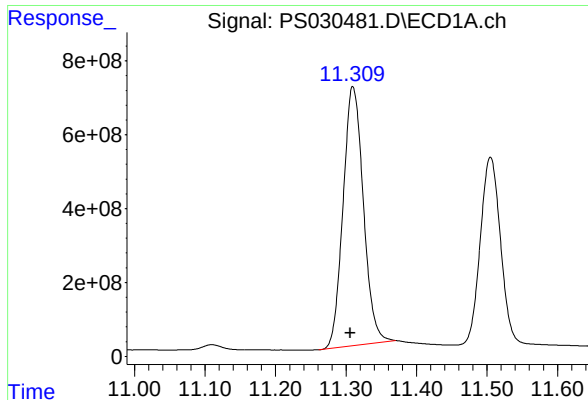
#14 DINOSEB

R.T.: 11.505 min
Delta R.T.: 0.004 min
Response: 10027585725
Conc: 697.57 ng/ml



#14 DINOSEB

R.T.: 11.320 min
Delta R.T.: -0.002 min
Response: 6923310895
Conc: 688.88 ng/ml



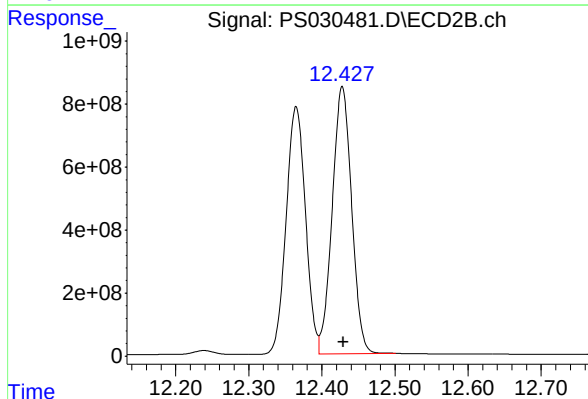
#15 Picloram

R.T.: 11.310 min
Delta R.T.: 0.003 min
Response: 14073547375
Conc: 703.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS060425

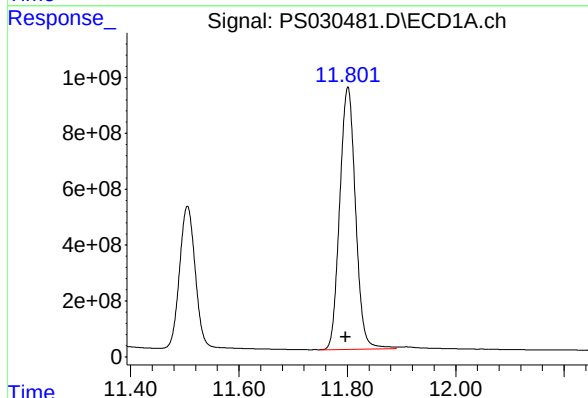
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



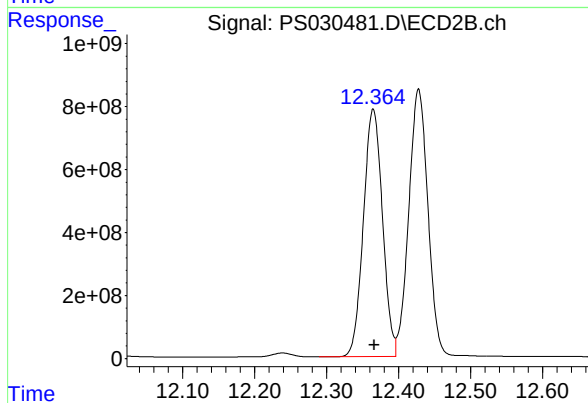
#15 Picloram

R.T.: 12.428 min
Delta R.T.: -0.002 min
Response: 15641129754
Conc: 708.26 ng/ml



#16 DCPA

R.T.: 11.801 min
Delta R.T.: 0.004 min
Response: 19004717317
Conc: 718.78 ng/ml



#16 DCPA

R.T.: 12.365 min
Delta R.T.: -0.002 min
Response: 14438006114
Conc: 705.57 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.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 14:23 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.56	7.56	7.46	7.66	0.00
MCPD	7.74	7.74	7.64	7.84	0.00
2,4-DCAA	7.37	7.37	7.27	7.47	0.00
Dalapon	2.72	2.72	2.62	2.82	0.00
MCPA	7.89	7.90	7.80	8.00	0.01
DICHLORPROP	8.28	8.28	8.18	8.38	0.00
2,4-D	8.51	8.51	8.41	8.61	0.00
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00
2,4,5-T	9.70	9.70	9.60	9.80	0.00
2,4-DB	10.28	10.28	10.18	10.38	0.00
Dinoseb	11.50	11.50	11.40	11.60	0.00
Pentachlorophenol	8.82	8.82	8.72	8.92	0.00
4-Nitrophenol	7.17	7.17	7.07	7.27	0.00
PICLORAM	11.31	11.31	11.21	11.41	0.00
DCPA	11.80	11.80	11.70	11.90	0.00
3,5-DICHLOROBENZ	6.52	6.52	6.42	6.62	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 14:23 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.98	7.98	7.88	8.08	0.00
MCPD	8.08	8.08	7.98	8.18	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
MCPA	8.33	8.33	8.23	8.43	0.00
DICHLORPROP	8.70	8.70	8.60	8.80	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.37	10.37	10.27	10.47	0.00
2,4-DB	10.94	10.94	10.84	11.04	0.00
Dinoseb	11.32	11.32	11.22	11.42	0.00
Pentachlorophenol	9.56	9.56	9.46	9.66	0.00
4-Nitrophenol	7.30	7.30	7.20	7.40	0.00
PICLORAM	12.43	12.43	12.33	12.53	0.00
DCPA	12.37	12.37	12.27	12.47	0.00
3,5-DICHLOROBENZ	6.72	6.72	6.62	6.82	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL01 Date Analyzed: 06/04/2025

Lab Sample No.: HSTDCCC750 Data File : PS030483.D Time Analyzed: 14:23

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.697	9.597	9.797	708.550	712.500	-0.6
2,4,5-TP(Silvex)	9.401	9.304	9.504	703.720	712.500	-1.2
2,4-D	8.509	8.412	8.612	686.470	705.000	-2.6
2,4-DB	10.276	10.179	10.379	703.340	712.500	-1.3
2,4-DCAA	7.367	7.269	7.469	725.390	750.000	-3.3
3,5-DICHLOROBENZOIC ACID	6.523	6.424	6.624	679.750	697.500	-2.5
4-Nitrophenol	7.166	7.067	7.267	662.240	682.500	-3.0
Dalapon	2.717	2.616	2.816	663.880	682.500	-2.7
DCPA	11.795	11.697	11.897	708.140	720.000	-1.6
DICAMBA	7.560	7.461	7.661	694.190	705.000	-1.5
DICHLORPROP	8.276	8.179	8.379	677.610	705.000	-3.9
Dinoseb	11.500	11.402	11.602	693.920	705.000	-1.6
MCPA	7.893	7.795	7.995	67.910	69.750	-2.6
MCPP	7.743	7.644	7.844	69.680	70.500	-1.2
Pentachlorophenol	8.819	8.720	8.920	752.710	712.500	5.6
PICLORAM	11.305	11.207	11.407	690.150	712.500	-3.1



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.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL01 Date Analyzed: 06/04/2025

Lab Sample No.: HSTDCCC750 Data File : PS030483.D Time Analyzed: 14:23

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.367	10.268	10.468	690.040	712.500	-3.2
2,4,5-TP(Silvex)	9.941	9.842	10.042	686.650	712.500	-3.6
2,4-D	9.033	8.934	9.134	674.550	705.000	-4.3
2,4-DB	10.935	10.836	11.036	678.160	712.500	-4.8
2,4-DCAA	7.773	7.674	7.874	700.400	750.000	-6.6
3,5-DICHLOROBENZOIC ACID	6.716	6.617	6.817	665.510	697.500	-4.6
4-Nitrophenol	7.303	7.203	7.403	656.640	682.500	-3.8
Dalapon	2.712	2.610	2.810	651.640	682.500	-4.5
DCPA	12.366	12.266	12.466	698.920	720.000	-2.9
DICAMBA	7.977	7.877	8.077	680.500	705.000	-3.5
DICHLORPROP	8.697	8.598	8.798	672.350	705.000	-4.6
Dinoseb	11.321	11.221	11.421	684.430	705.000	-2.9
MCPA	8.326	8.227	8.427	70.360	69.750	0.9
MCPP	8.077	7.977	8.177	69.770	70.500	-1.0
Pentachlorophenol	9.560	9.461	9.661	701.290	712.500	-1.6
PICLORAM	12.429	12.330	12.530	701.240	712.500	-1.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030483.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 14:23
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 14:51:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.367	7.773	2738.5E6	753.4E6	725.393m	700.404
Target Compounds							
1) T	Dalapon	2.717	2.712	3748.9E6	1785.5E6	663.878	651.643
2) T	3,5-DICHL...	6.523	6.716	3688.6E6	1041.0E6	679.753	665.508
3) T	4-Nitroph...	7.166	7.303	1214.4E6	1029.1E6	662.235	656.636
5) T	DICAMBA	7.560	7.977	10706.1E6	4383.5E6	694.187	680.499
6) T	MCPD	7.743	8.077	690.2E6	161.3E6	69.684	69.767
7) T	MCPA	7.893	8.326	861.7E6	217.1E6	67.911	70.357m
8) T	DICHLORPROP	8.276	8.697	2465.2E6	997.9E6	677.609	672.348
9) T	2,4-D	8.509	9.033	2501.2E6	1060.6E6	686.471	674.553
10) T	Pentachlo...	8.819	9.560	38227.4E6	25343.4E6	752.712	701.294
11) T	2,4,5-TP ...	9.401	9.941	14542.3E6	9418.6E6	703.715	686.649
12) T	2,4,5-T	9.697	10.367	13059.3E6	9010.0E6	708.549	690.044
13) T	2,4-DB	10.276	10.935	2135.6E6	779.6E6	703.343	678.156
14) T	DINOSEB	11.500	11.321	9975.1E6	6878.6E6	693.921	684.428
15) T	Picloram	11.305	12.429	13806.2E6	15486.1E6	690.146	701.241
16) T	DCPA	11.795	12.366	18723.3E6	14301.9E6	708.140	698.919

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 14:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

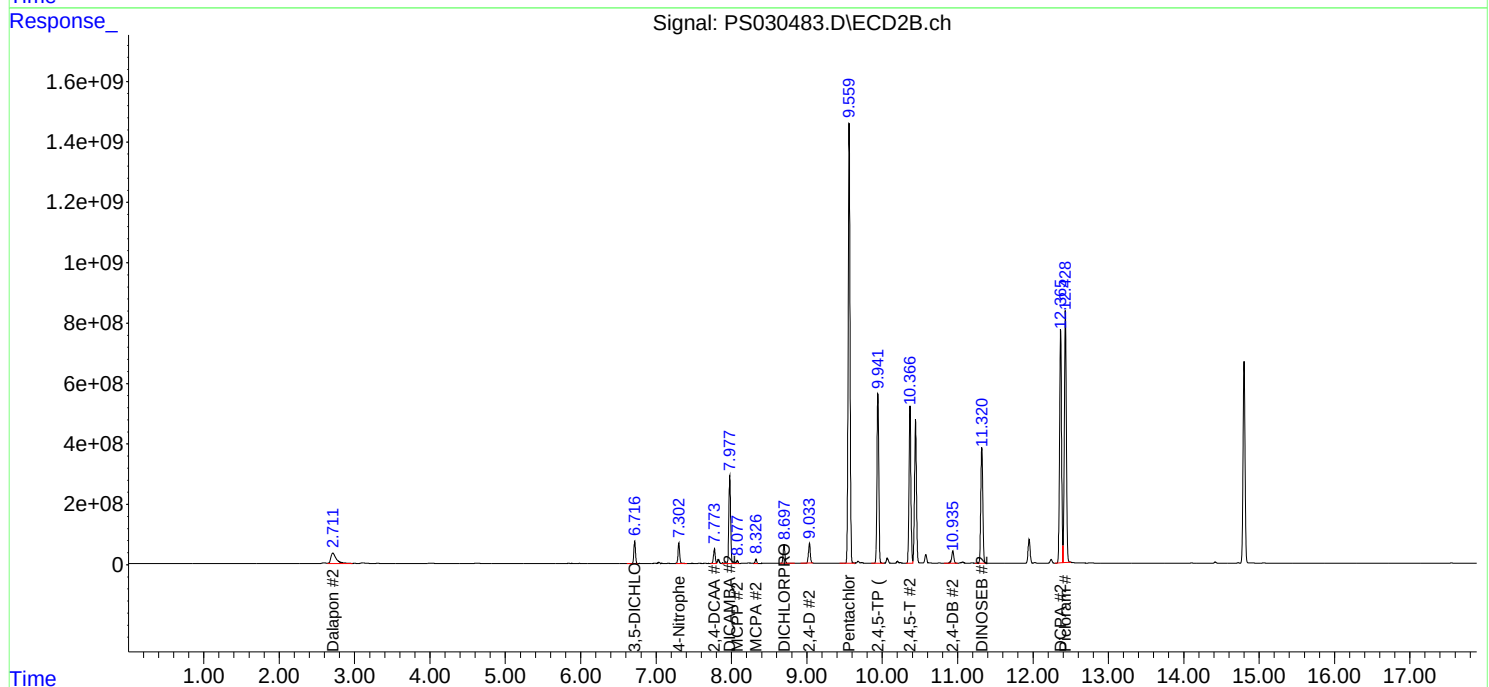
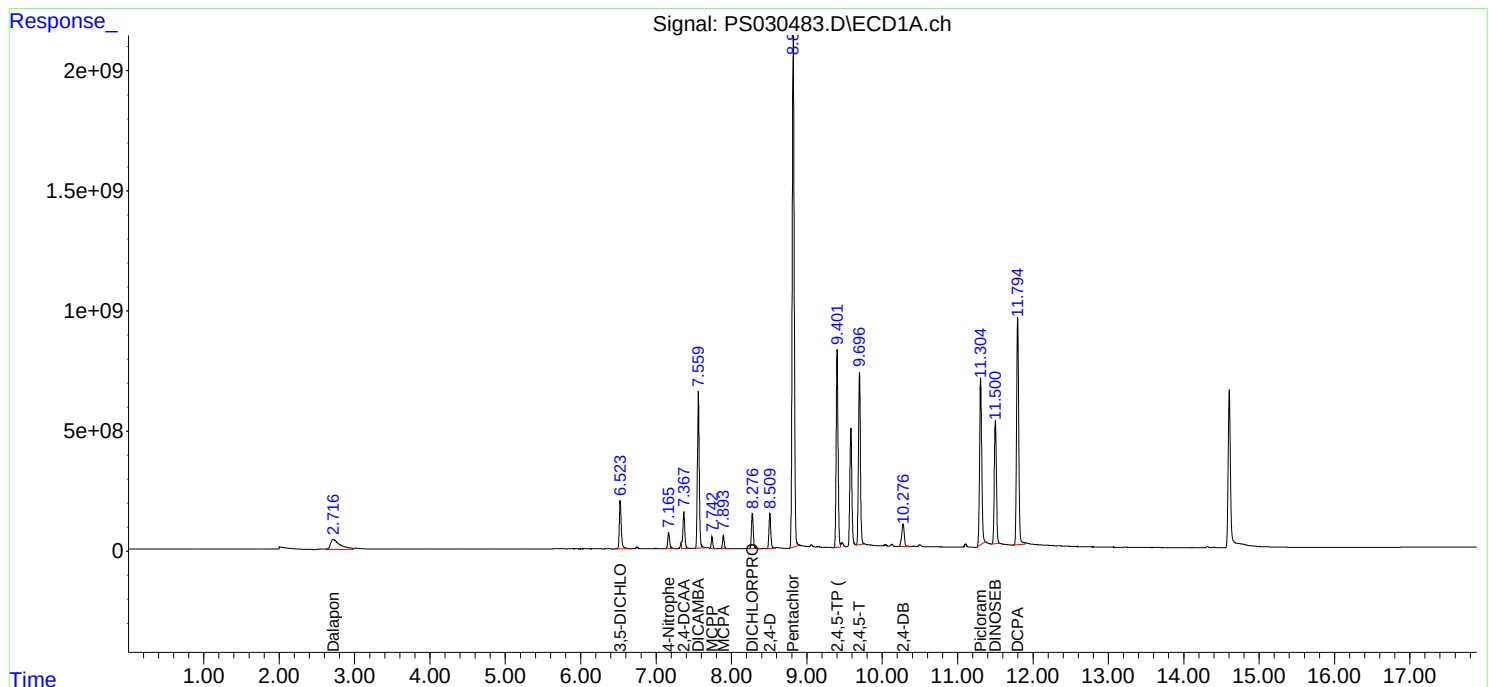
APPROVED

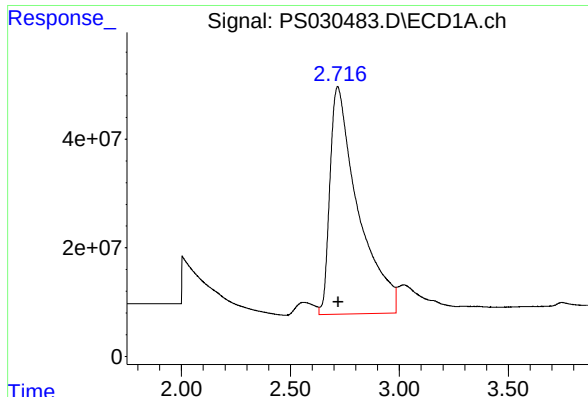
Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:51:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial 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





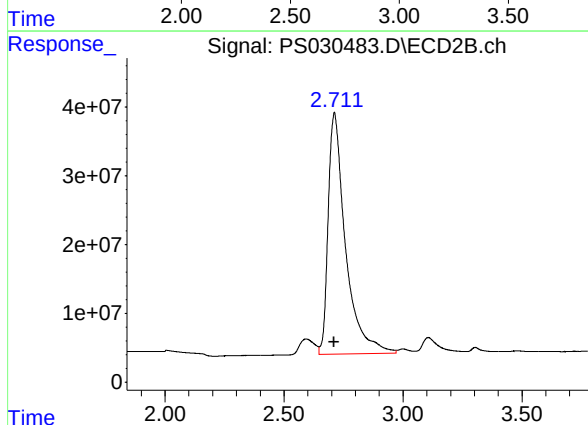
#1 Dalapon

R.T.: 2.717 min
Delta R.T.: -0.003 min
Response: 3748903365
Conc: 663.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

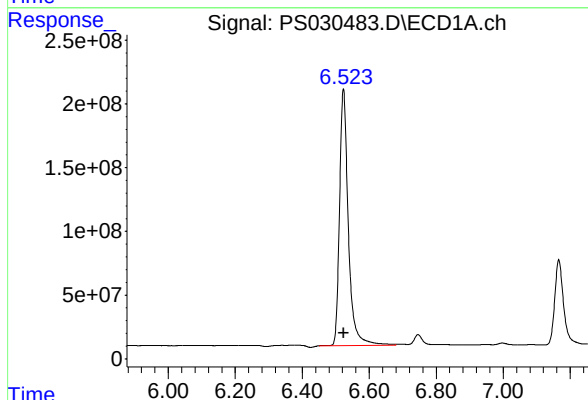
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



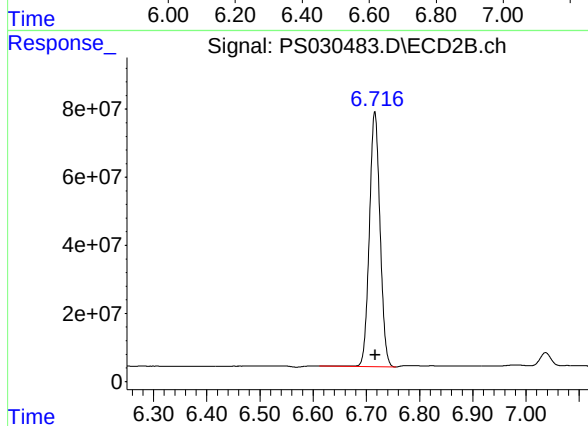
#1 Dalapon

R.T.: 2.712 min
Delta R.T.: 0.001 min
Response: 1785511317
Conc: 651.64 ng/ml



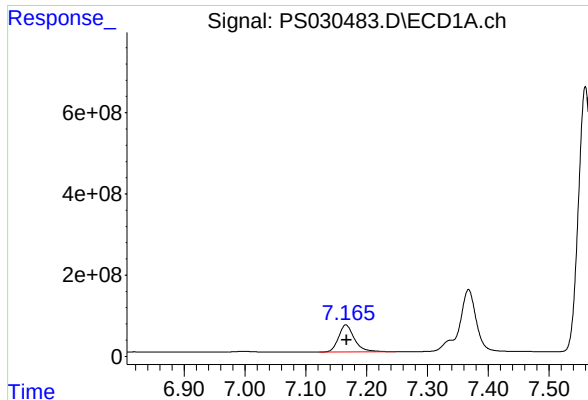
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.523 min
Delta R.T.: 0.000 min
Response: 3688579545
Conc: 679.75 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: -0.001 min
Response: 1041019502
Conc: 665.51 ng/ml



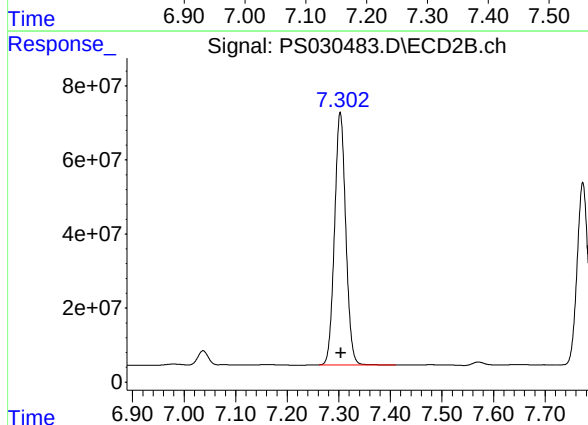
#3 4-Nitrophenol

R.T.: 7.166 min
Delta R.T.: -0.001 min
Response: 1214377764
Conc: 662.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

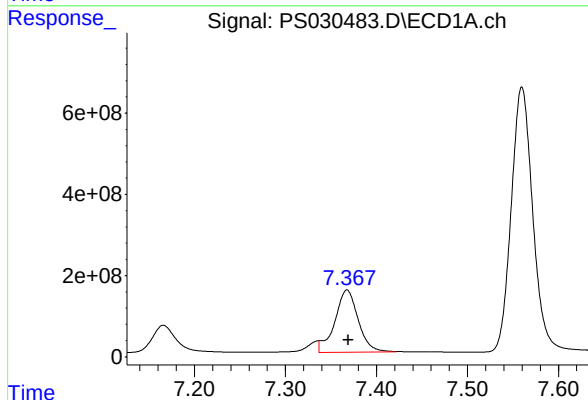
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



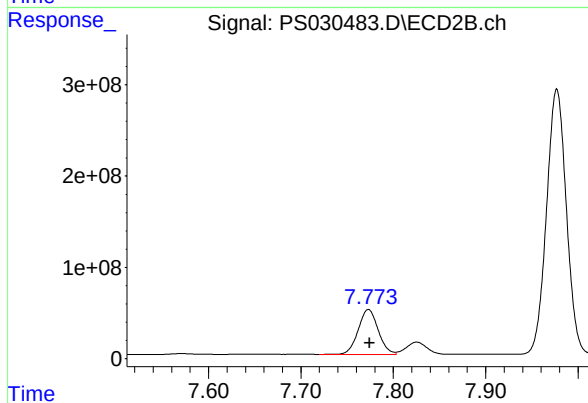
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: -0.001 min
Response: 1029107838
Conc: 656.64 ng/ml



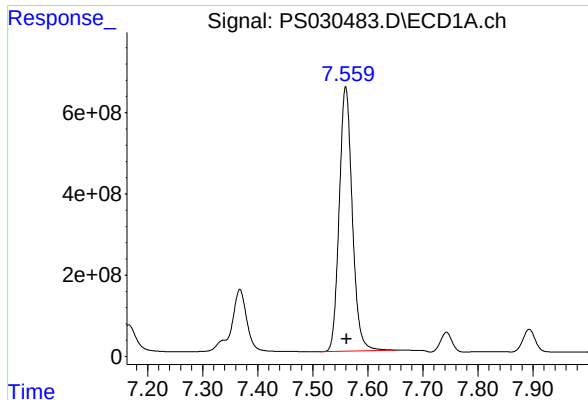
#4 2,4-DCAA

R.T.: 7.367 min
Delta R.T.: -0.002 min
Response: 2738463202
Conc: 725.39 ng/ml m



#4 2,4-DCAA

R.T.: 7.773 min
Delta R.T.: -0.001 min
Response: 753362143
Conc: 700.40 ng/ml



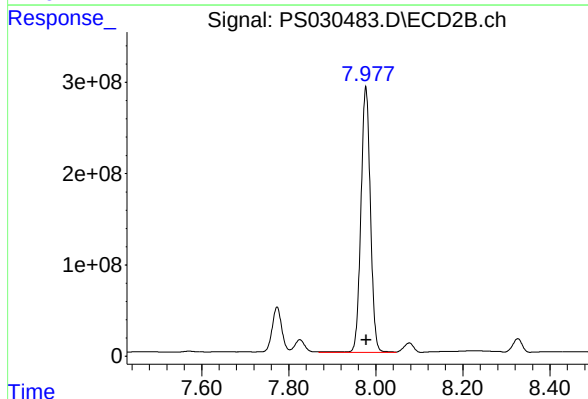
#5 DICAMBA

R.T.: 7.560 min
Delta R.T.: -0.001 min
Response: 10706129236
Conc: 694.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

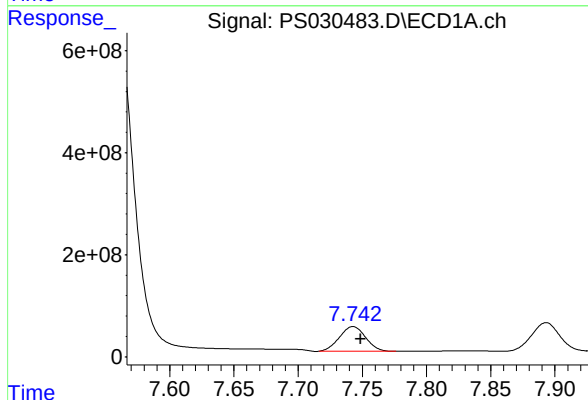
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



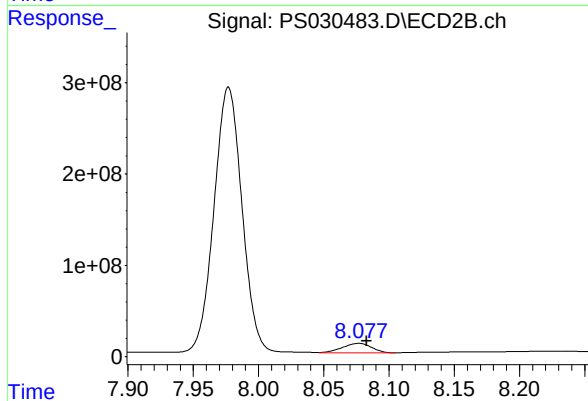
#5 DICAMBA

R.T.: 7.977 min
Delta R.T.: -0.001 min
Response: 4383532256
Conc: 680.50 ng/ml



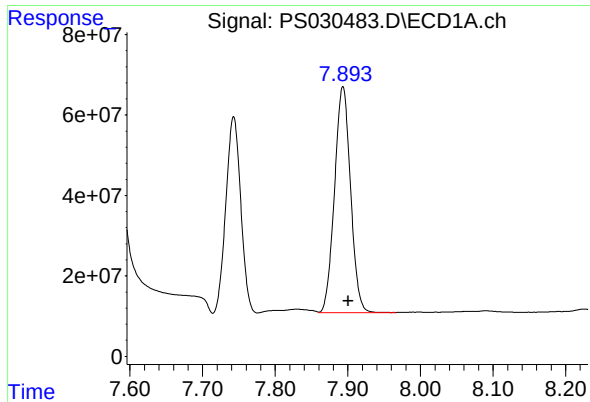
#6 MCPP

R.T.: 7.743 min
Delta R.T.: -0.006 min
Response: 690213748
Conc: 69.68 ug/ml



#6 MCPP

R.T.: 8.077 min
Delta R.T.: -0.006 min
Response: 161271975
Conc: 69.77 ug/ml



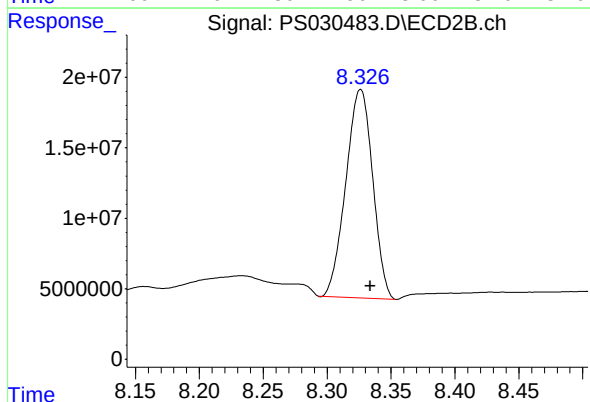
#7 MCPA

R.T.: 7.893 min
Delta R.T.: -0.007 min
Response: 861746878
Conc: 67.91 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

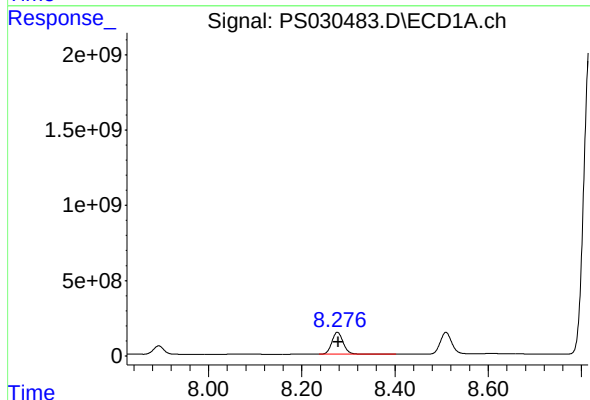
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



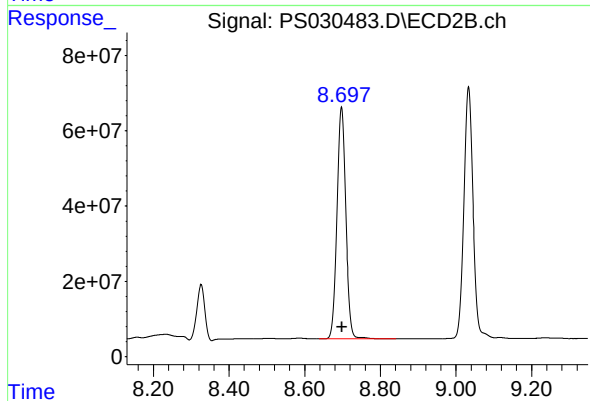
#7 MCPA

R.T.: 8.326 min
Delta R.T.: -0.008 min
Response: 217114553
Conc: 70.36 ug/ml



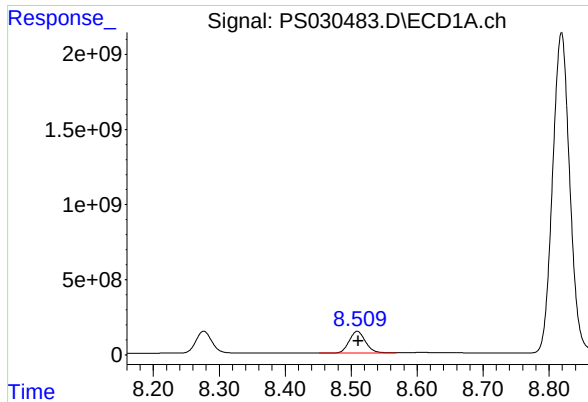
#8 DICHLORPROP

R.T.: 8.276 min
Delta R.T.: -0.002 min
Response: 2465241702
Conc: 677.61 ng/ml



#8 DICHLORPROP

R.T.: 8.697 min
Delta R.T.: -0.002 min
Response: 997900963
Conc: 672.35 ng/ml



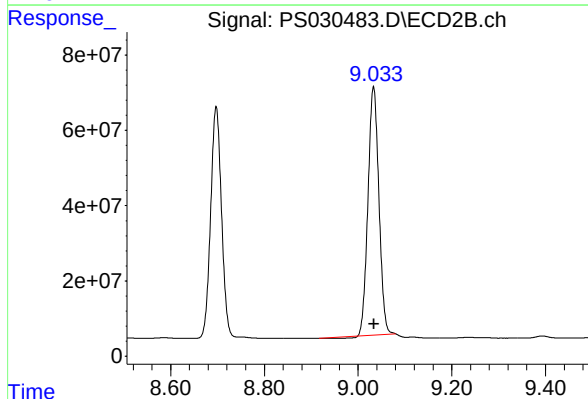
#9 2,4-D

R.T.: 8.509 min
Delta R.T.: -0.002 min
Response: 2501235148
Conc: 686.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

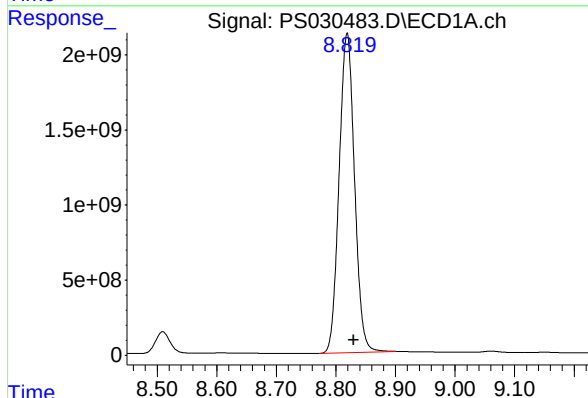
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



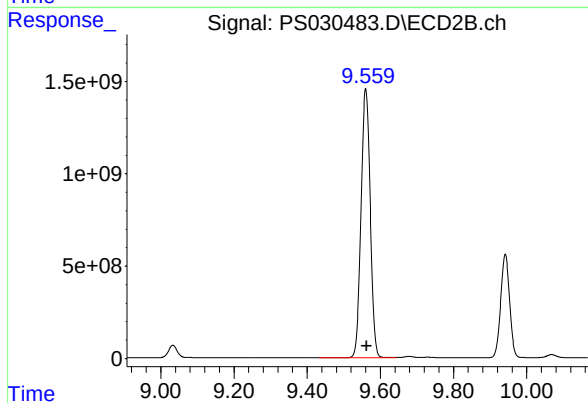
#9 2,4-D

R.T.: 9.033 min
Delta R.T.: -0.002 min
Response: 1060613922
Conc: 674.55 ng/ml



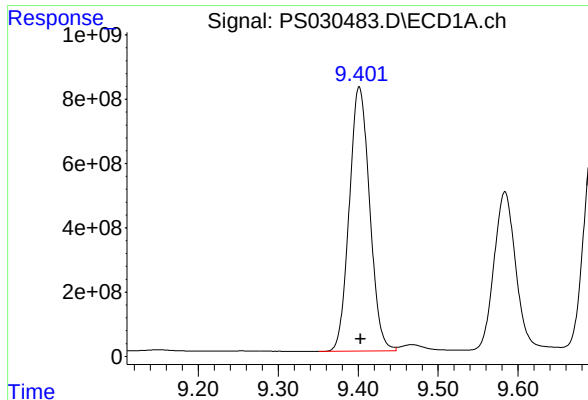
#10 Pentachlorophenol

R.T.: 8.819 min
Delta R.T.: -0.011 min
Response: 38227386892
Conc: 752.71 ng/ml



#10 Pentachlorophenol

R.T.: 9.560 min
Delta R.T.: -0.003 min
Response: 25343377008
Conc: 701.29 ng/ml



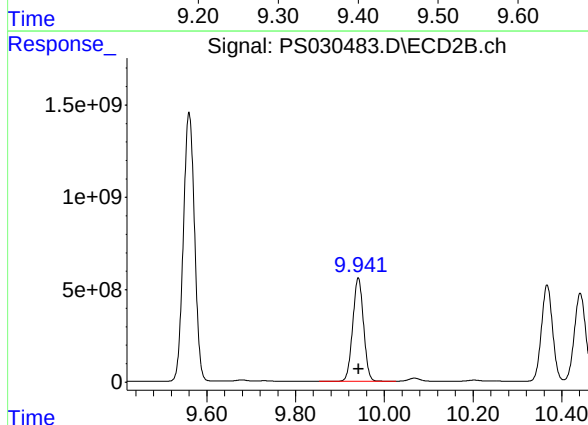
#11 2,4,5-TP (SILVEX)

R.T.: 9.401 min
Delta R.T.: -0.002 min
Response: 14542334900
Conc: 703.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

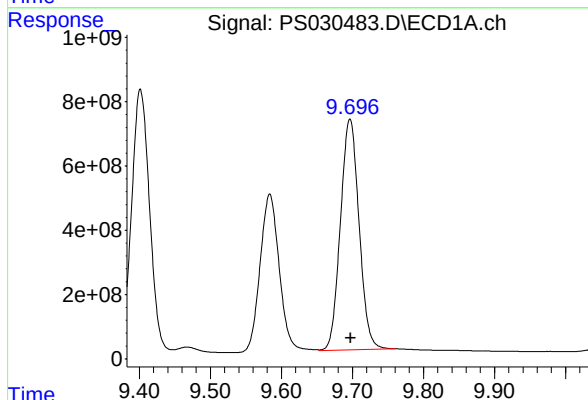
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



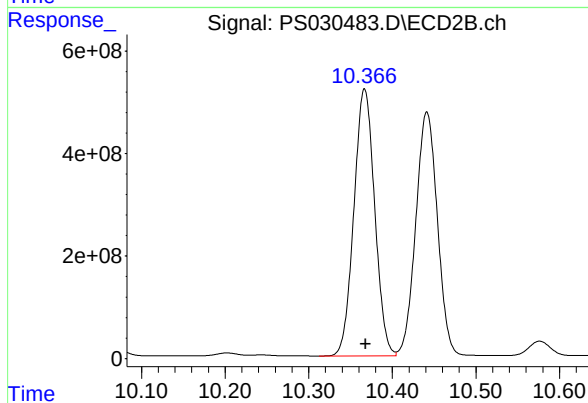
#11 2,4,5-TP (SILVEX)

R.T.: 9.941 min
Delta R.T.: 0.000 min
Response: 9418594292
Conc: 686.65 ng/ml



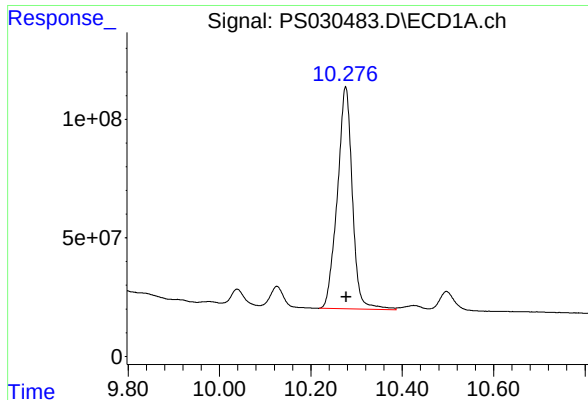
#12 2,4,5-T

R.T.: 9.697 min
Delta R.T.: 0.000 min
Response: 13059319289
Conc: 708.55 ng/ml



#12 2,4,5-T

R.T.: 10.367 min
Delta R.T.: 0.000 min
Response: 9009995315
Conc: 690.04 ng/ml



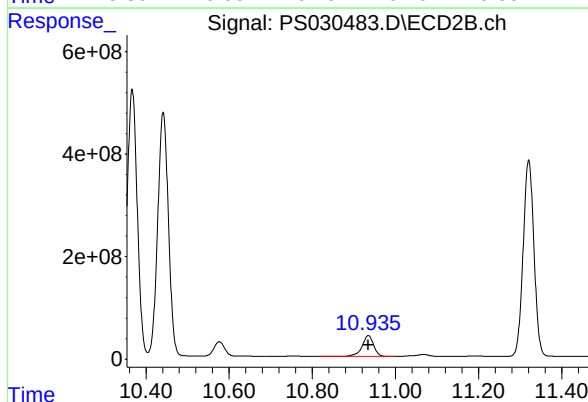
#13 2,4-DB

R.T.: 10.276 min
Delta R.T.: -0.001 min
Response: 2135606929
Conc: 703.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

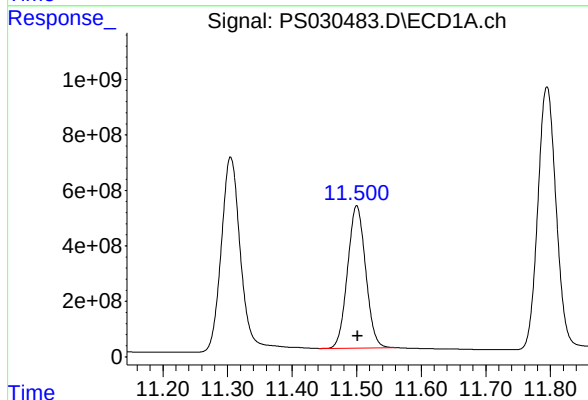
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



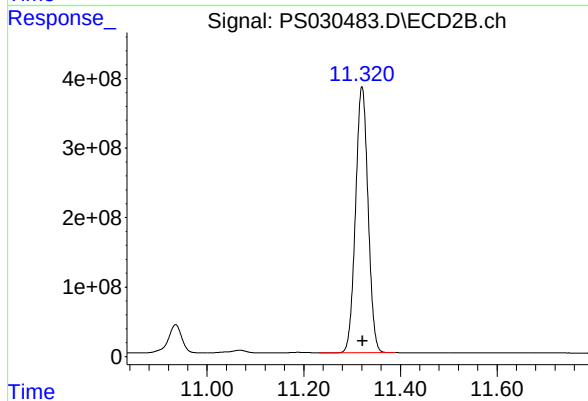
#13 2,4-DB

R.T.: 10.935 min
Delta R.T.: 0.000 min
Response: 779575546
Conc: 678.16 ng/ml



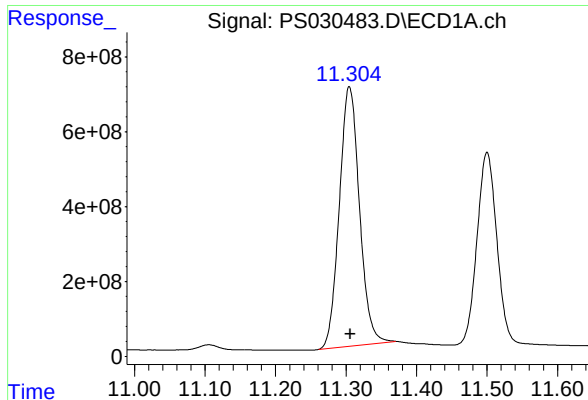
#14 DINOSEB

R.T.: 11.500 min
Delta R.T.: -0.001 min
Response: 9975067241
Conc: 693.92 ng/ml



#14 DINOSEB

R.T.: 11.321 min
Delta R.T.: -0.001 min
Response: 6878575843
Conc: 684.43 ng/ml



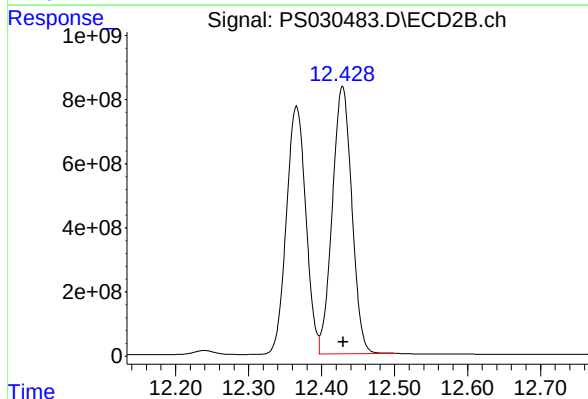
#15 Picloram

R.T.: 11.305 min
Delta R.T.: -0.001 min
Response: 13806226346
Conc: 690.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

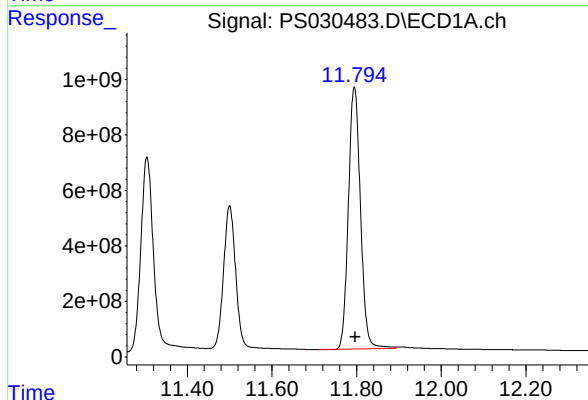
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



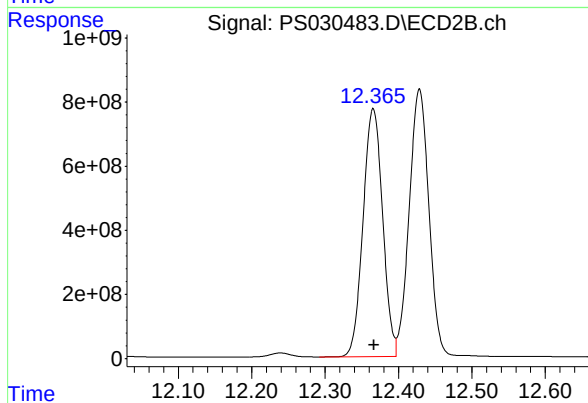
#15 Picloram

R.T.: 12.429 min
Delta R.T.: -0.001 min
Response: 15486125889
Conc: 701.24 ng/ml



#16 DCPA

R.T.: 11.795 min
Delta R.T.: -0.002 min
Response: 18723299823
Conc: 708.14 ng/ml



#16 DCPA

R.T.: 12.366 min
Delta R.T.: -0.001 min
Response: 14301936749
Conc: 698.92 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.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 16:50 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.56	7.56	7.46	7.66	0.00
MCP	7.74	7.74	7.64	7.84	0.00
2,4-DCAA	7.37	7.37	7.27	7.47	0.00
Dalapon	2.72	2.72	2.62	2.82	0.00
MCPA	7.89	7.90	7.80	8.00	0.01
DICHLORPROP	8.28	8.28	8.18	8.38	0.01
2,4-D	8.51	8.51	8.41	8.61	0.00
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00
2,4,5-T	9.69	9.70	9.60	9.80	0.01
2,4-DB	10.28	10.28	10.18	10.38	0.01
Dinoseb	11.50	11.50	11.40	11.60	0.00
Pentachlorophenol	8.82	8.82	8.72	8.92	0.00
4-Nitrophenol	7.17	7.17	7.07	7.27	0.01
PICLORAM	11.30	11.31	11.21	11.41	0.01
DCPA	11.79	11.80	11.70	11.90	0.01
3,5-DICHLOROBENZ	6.52	6.52	6.42	6.62	0.00



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.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 16:50 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.98	7.98	7.88	8.08	0.00
MCP	8.08	8.08	7.98	8.18	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
MCPA	8.33	8.33	8.23	8.43	0.00
DICHLORPROP	8.70	8.70	8.60	8.80	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.37	10.37	10.27	10.47	0.00
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.32	11.32	11.22	11.42	0.00
Pentachlorophenol	9.56	9.56	9.46	9.66	0.00
4-Nitrophenol	7.30	7.30	7.20	7.40	0.00
PICLORAM	12.43	12.43	12.33	12.53	0.00
DCPA	12.37	12.37	12.27	12.47	0.01
3,5-DICHLOROBENZ	6.72	6.72	6.62	6.82	0.00



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.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL02 Date Analyzed: 06/04/2025

Lab Sample No.: HSTDCCC750 Data File : PS030489.D Time Analyzed: 16:50

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.694	9.597	9.797	707.360	712.500	-0.7
2,4,5-TP(Silvex)	9.400	9.304	9.504	701.500	712.500	-1.5
2,4-D	8.508	8.412	8.612	688.650	705.000	-2.3
2,4-DB	10.275	10.179	10.379	711.140	712.500	-0.2
2,4-DCAA	7.366	7.269	7.469	719.780	750.000	-4.0
3,5-DICHLOROBENZOIC ACID	6.523	6.424	6.624	678.120	697.500	-2.8
4-Nitrophenol	7.165	7.067	7.267	657.710	682.500	-3.6
Dalapon	2.718	2.616	2.816	674.120	682.500	-1.2
DCPA	11.793	11.697	11.897	698.910	720.000	-2.9
DICAMBA	7.558	7.461	7.661	694.210	705.000	-1.5
DICHLORPROP	8.275	8.179	8.379	678.650	705.000	-3.7
Dinoseb	11.498	11.402	11.602	681.220	705.000	-3.4
MCPA	7.892	7.795	7.995	68.550	69.750	-1.7
MCPP	7.741	7.644	7.844	70.190	70.500	-0.4
Pentachlorophenol	8.817	8.720	8.920	748.910	712.500	5.1
PICLORAM	11.302	11.207	11.407	686.930	712.500	-3.6



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.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL02 Date Analyzed: 06/04/2025

Lab Sample No.: HSTDCCC750 Data File : PS030489.D Time Analyzed: 16:50

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.367	10.268	10.468	697.940	712.500	-2.0
2,4,5-TP(Silvex)	9.940	9.842	10.042	690.320	712.500	-3.1
2,4-D	9.033	8.934	9.134	680.340	705.000	-3.5
2,4-DB	10.934	10.836	11.036	685.670	712.500	-3.8
2,4-DCAA	7.773	7.674	7.874	712.640	750.000	-5.0
3,5-DICHLOROBENZOIC ACID	6.716	6.617	6.817	680.790	697.500	-2.4
4-Nitrophenol	7.302	7.203	7.403	668.820	682.500	-2.0
Dalapon	2.711	2.610	2.810	654.200	682.500	-4.1
DCPA	12.365	12.266	12.466	694.060	720.000	-3.6
DICAMBA	7.977	7.877	8.077	688.840	705.000	-2.3
DICHLORPROP	8.697	8.598	8.798	670.150	705.000	-4.9
Dinoseb	11.320	11.221	11.421	676.820	705.000	-4.0
MCPA	8.326	8.227	8.427	70.810	69.750	1.5
MCPP	8.077	7.977	8.177	69.230	70.500	-1.8
Pentachlorophenol	9.560	9.461	9.661	702.450	712.500	-1.4
PICLORAM	12.427	12.330	12.530	695.810	712.500	-2.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030489.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 16:50
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 17:06:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.366	7.773	2717.3E6	766.5E6	719.778m	712.643
Target Compounds							
1) T	Dalapon	2.718	2.711	3806.7E6	1792.5E6	674.116	654.202
2) T	3,5-DICHL...	6.523	6.716	3679.7E6	1064.9E6	678.124	680.789
3) T	4-Nitroph...	7.165	7.302	1206.1E6	1048.2E6	657.714	668.817
5) T	DICAMBA	7.558	7.977	10706.5E6	4437.3E6	694.213	688.842
6) T	MCP	7.741	8.077	695.3E6	160.0E6	70.194	69.234
7) T	MCPA	7.892	8.326	869.9E6	218.5E6	68.554	70.812m
8) T	DICHLORPROP	8.275	8.697	2469.0E6	994.6E6	678.653	670.147
9) T	2,4-D	8.508	9.033	2509.2E6	1069.7E6	688.647	680.337
10) T	Pentachlo...	8.817	9.560	38034.0E6	25385.3E6	748.905	702.454
11) T	2,4,5-TP ...	9.400	9.940	14496.6E6	9468.9E6	701.502	690.319
12) T	2,4,5-T	9.694	10.367	13037.4E6	9113.1E6	707.360	697.941
13) T	2,4-DB	10.275	10.934	2159.3E6	788.2E6	711.142	685.668m
14) T	DINOSEB	11.498	11.320	9792.5E6	6802.1E6	681.218	676.818
15) T	Picloram	11.302	12.427	13741.9E6	15366.2E6	686.932	695.813
16) T	DCPA	11.793	12.365	18479.3E6	14202.5E6	698.912	694.059

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 16:50
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

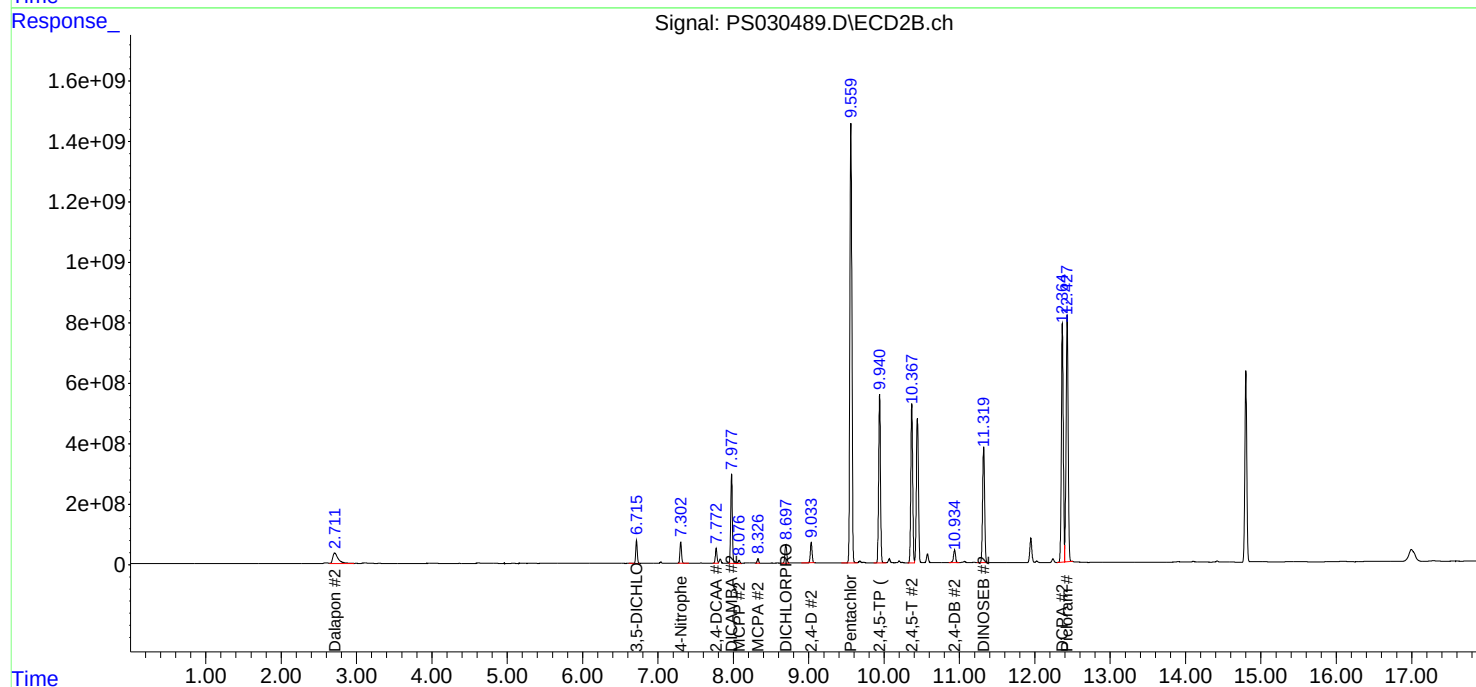
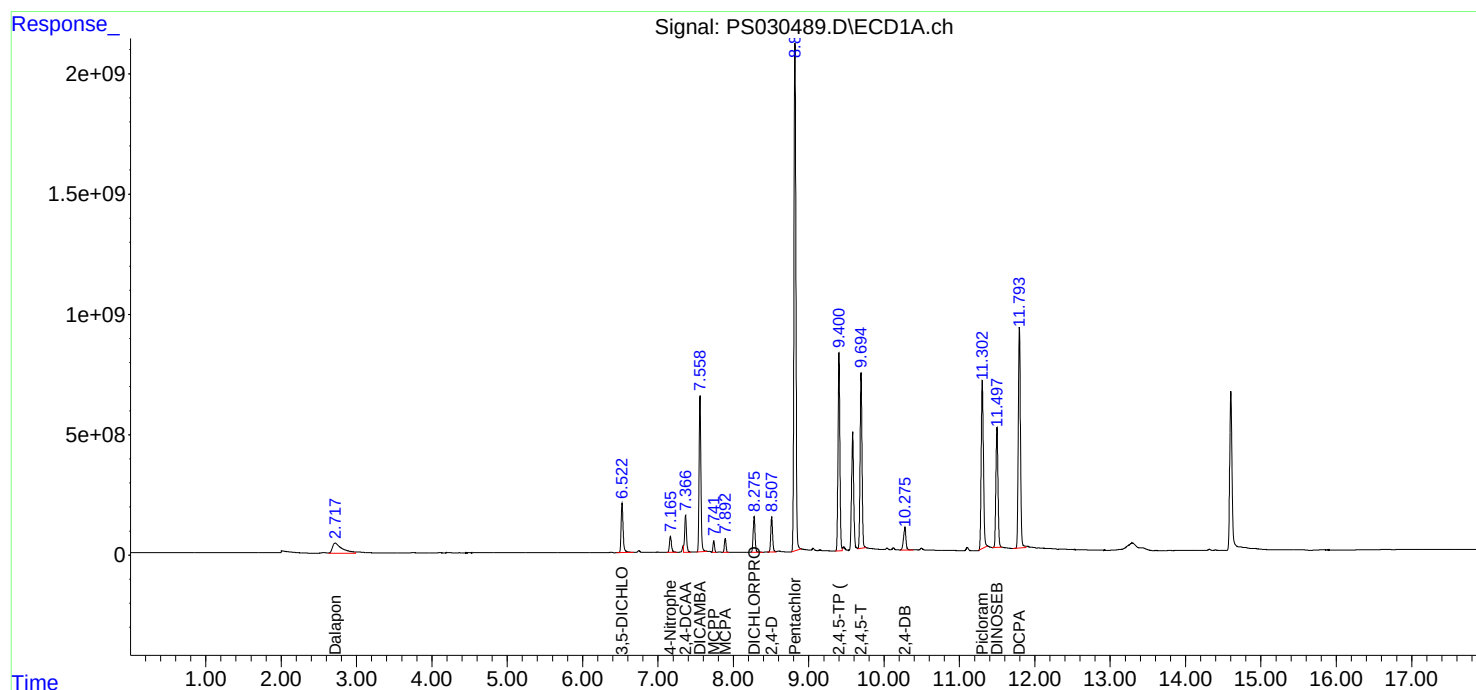
APPROVED

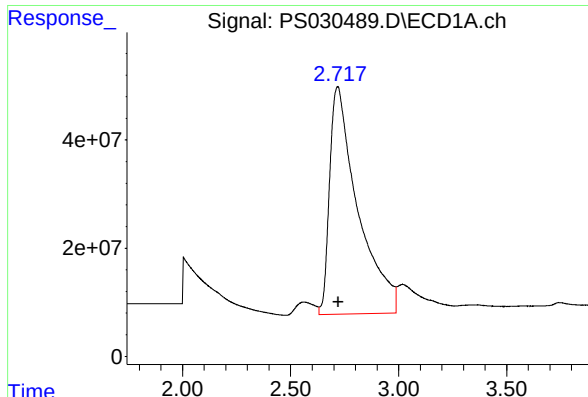
Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 17:06:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





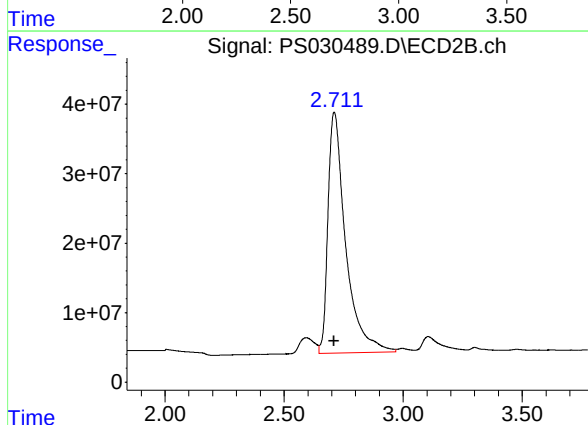
#1 Dalapon

R.T.: 2.718 min
Delta R.T.: -0.002 min
Response: 3806717070
Conc: 674.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

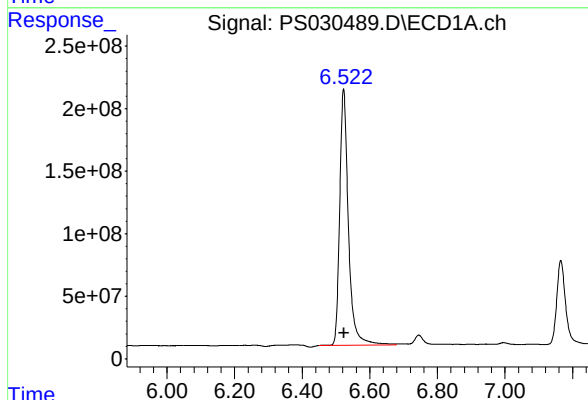
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



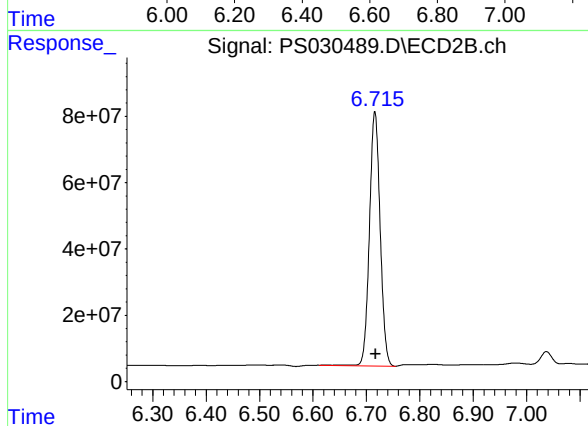
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 1792521949
Conc: 654.20 ng/ml



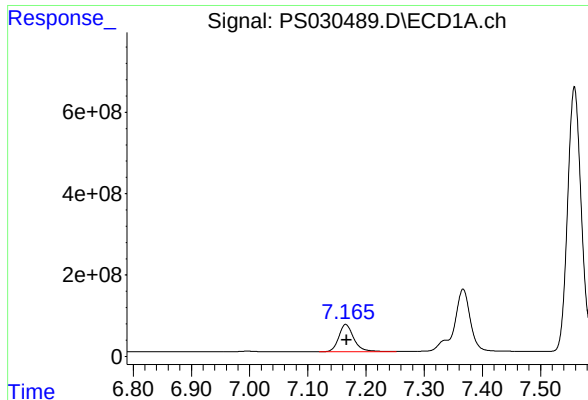
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.523 min
Delta R.T.: -0.001 min
Response: 3679735908
Conc: 678.12 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: -0.001 min
Response: 1064923065
Conc: 680.79 ng/ml



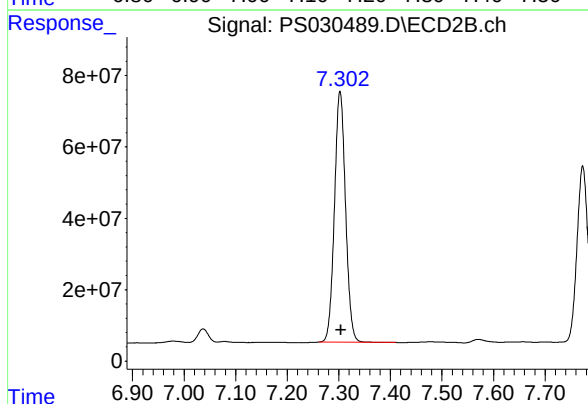
#3 4-Nitrophenol

R.T.: 7.165 min
Delta R.T.: -0.002 min
Response: 1206086477
Conc: 657.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

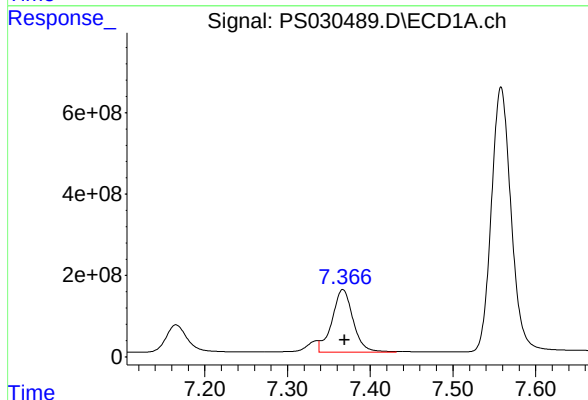
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



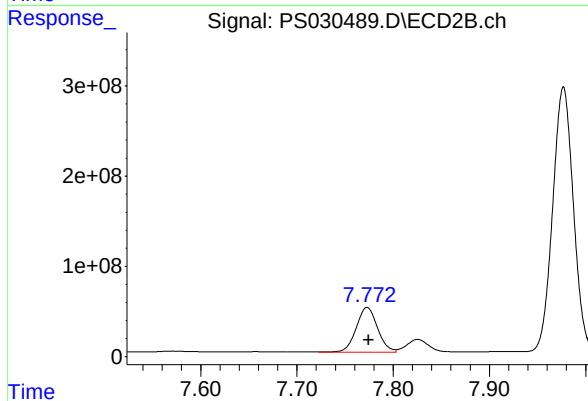
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: -0.001 min
Response: 1048197979
Conc: 668.82 ng/ml



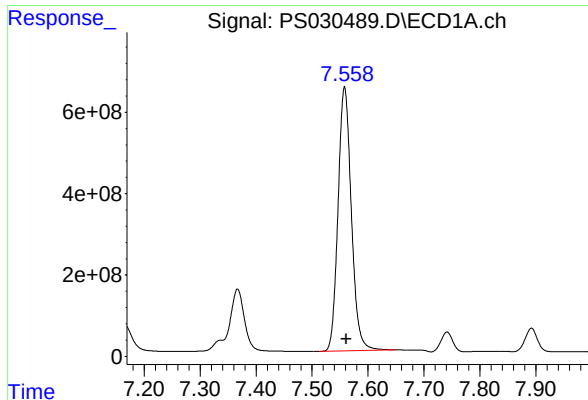
#4 2,4-DCAA

R.T.: 7.366 min
Delta R.T.: -0.003 min
Response: 2717266398
Conc: 719.78 ng/ml m



#4 2,4-DCAA

R.T.: 7.773 min
Delta R.T.: -0.001 min
Response: 766526048
Conc: 712.64 ng/ml



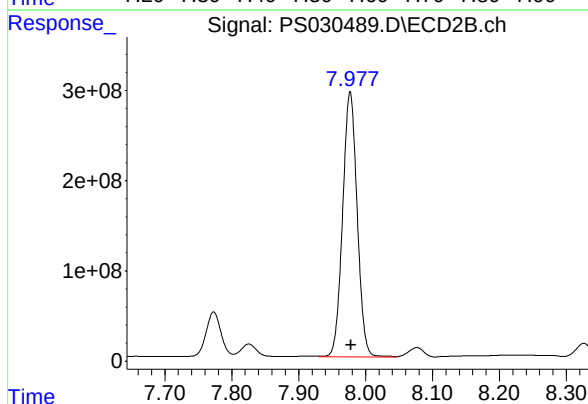
#5 DICAMBA

R.T.: 7.558 min
Delta R.T.: -0.003 min
Response: 10706529561
Conc: 694.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

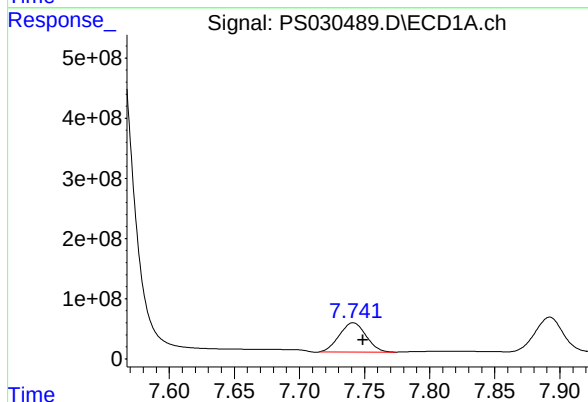
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



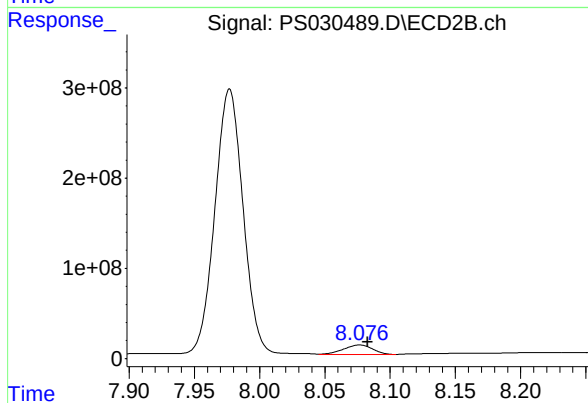
#5 DICAMBA

R.T.: 7.977 min
Delta R.T.: -0.002 min
Response: 4437279462
Conc: 688.84 ng/ml



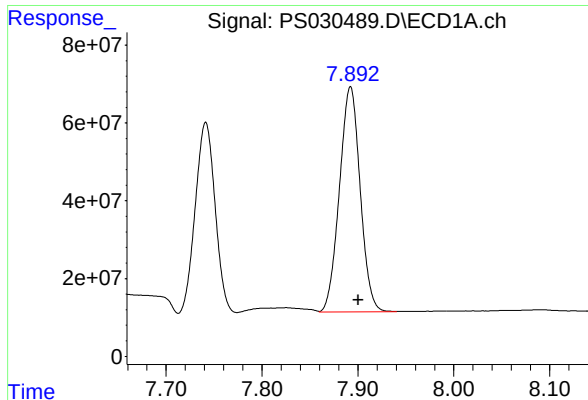
#6 MCPP

R.T.: 7.741 min
Delta R.T.: -0.007 min
Response: 695262098
Conc: 70.19 ug/ml



#6 MCPP

R.T.: 8.077 min
Delta R.T.: -0.006 min
Response: 160040905
Conc: 69.23 ug/ml



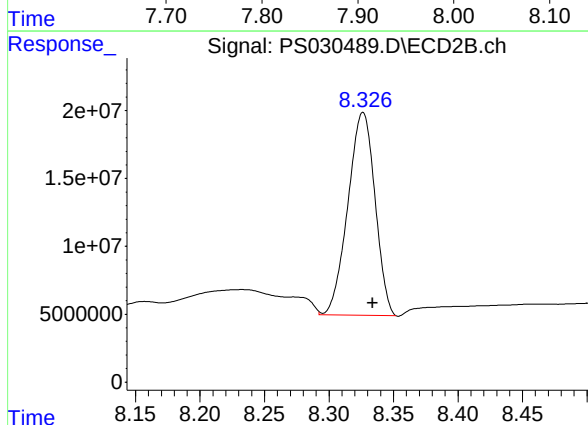
#7 MCPA

R.T.: 7.892 min
Delta R.T.: -0.008 min
Response: 869908910
Conc: 68.55 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

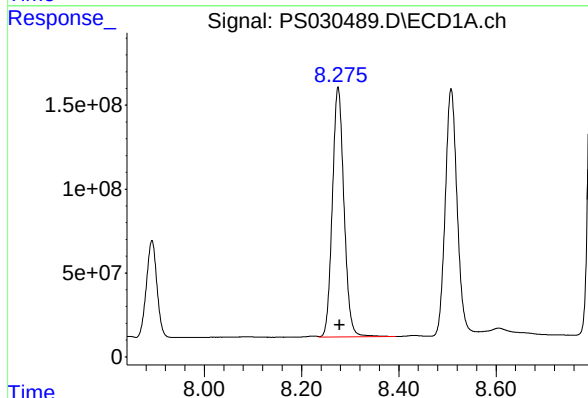
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



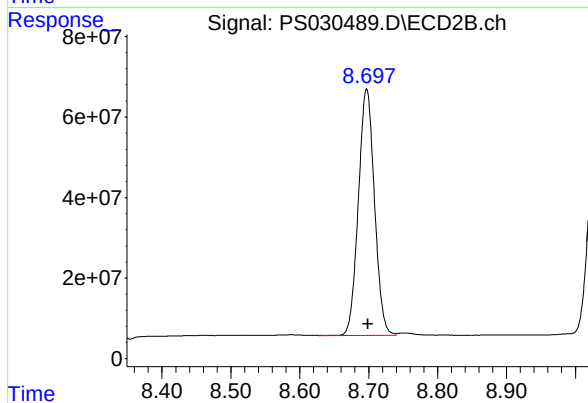
#7 MCPA

R.T.: 8.326 min
Delta R.T.: -0.008 min
Response: 218519359
Conc: 70.81 ug/ml



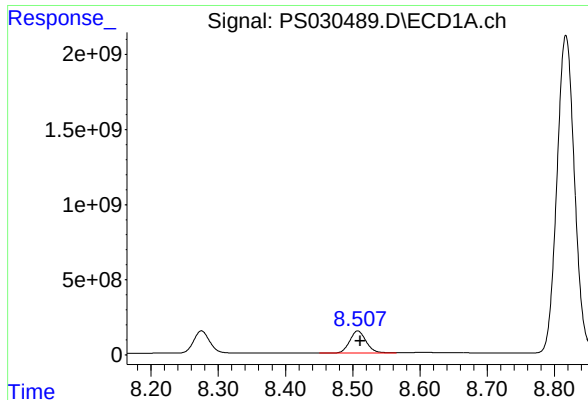
#8 DICHLORPROP

R.T.: 8.275 min
Delta R.T.: -0.003 min
Response: 2469039583
Conc: 678.65 ng/ml



#8 DICHLORPROP

R.T.: 8.697 min
Delta R.T.: -0.002 min
Response: 994634317
Conc: 670.15 ng/ml



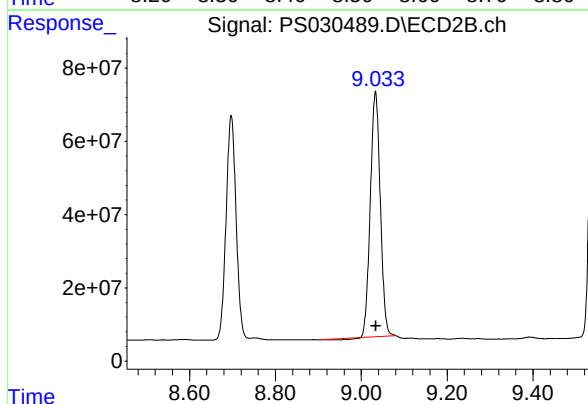
#9 2,4-D

R.T.: 8.508 min
Delta R.T.: -0.004 min
Response: 2509160493
Conc: 688.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

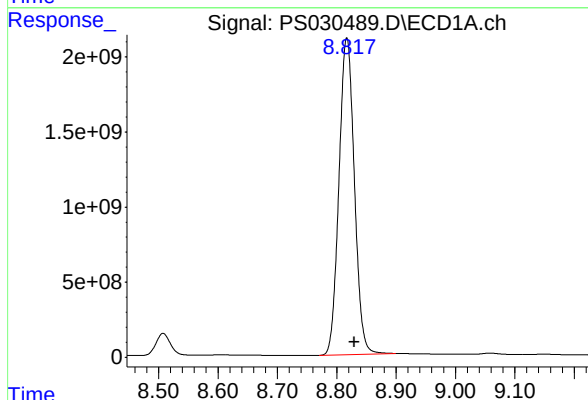
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



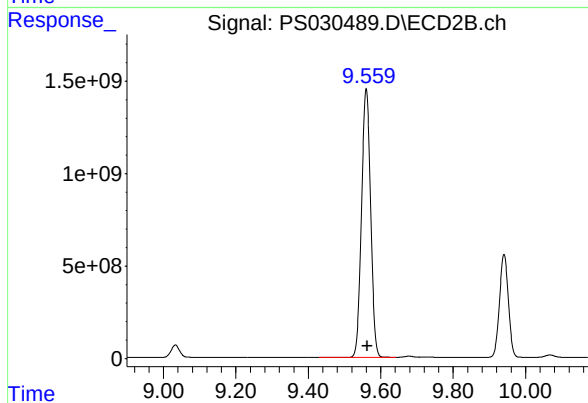
#9 2,4-D

R.T.: 9.033 min
Delta R.T.: -0.001 min
Response: 1069708733
Conc: 680.34 ng/ml



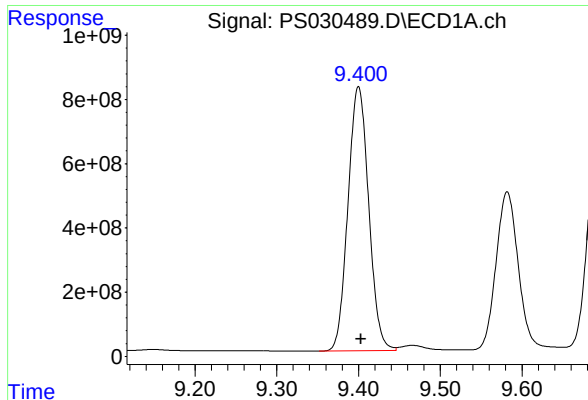
#10 Pentachlorophenol

R.T.: 8.817 min
Delta R.T.: -0.012 min
Response: 38034039798
Conc: 748.91 ng/ml



#10 Pentachlorophenol

R.T.: 9.560 min
Delta R.T.: -0.003 min
Response: 25385303471
Conc: 702.45 ng/ml



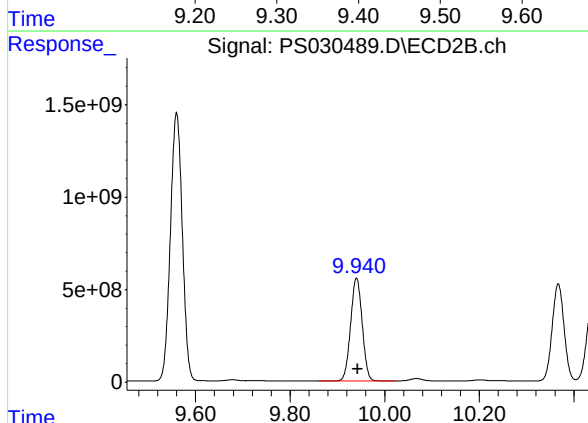
#11 2,4,5-TP (SILVEX)

R.T.: 9.400 min
Delta R.T.: -0.003 min
Response: 14496607164
Conc: 701.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

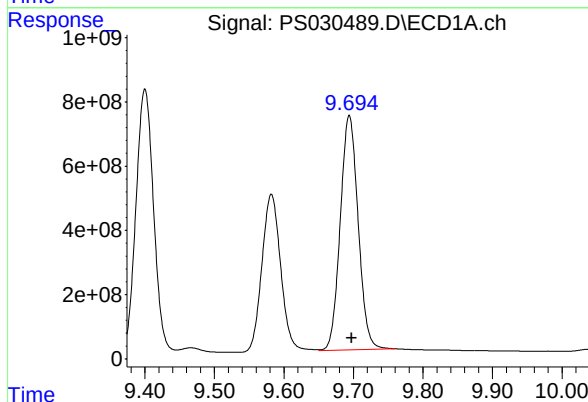
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



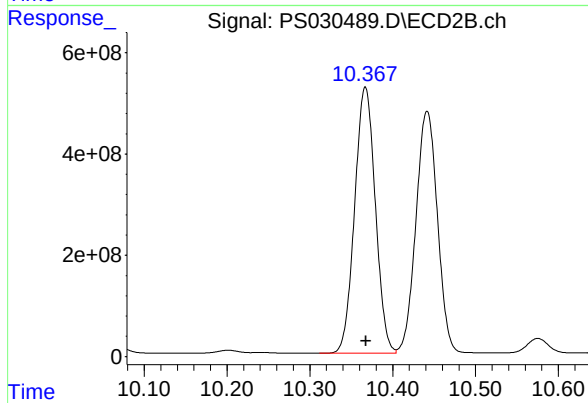
#11 2,4,5-TP (SILVEX)

R.T.: 9.940 min
Delta R.T.: -0.002 min
Response: 9468933939
Conc: 690.32 ng/ml



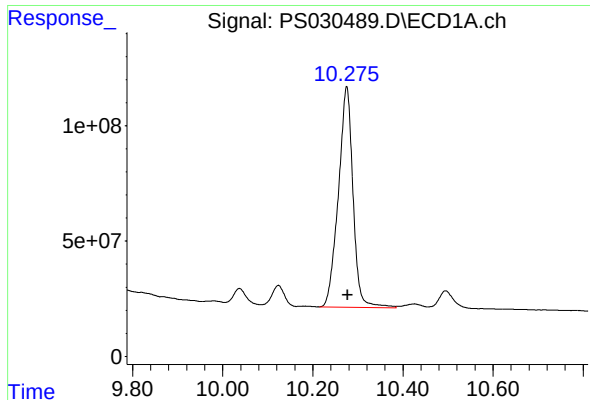
#12 2,4,5-T

R.T.: 9.694 min
Delta R.T.: -0.003 min
Response: 13037398102
Conc: 707.36 ng/ml



#12 2,4,5-T

R.T.: 10.367 min
Delta R.T.: 0.000 min
Response: 9113107964
Conc: 697.94 ng/ml



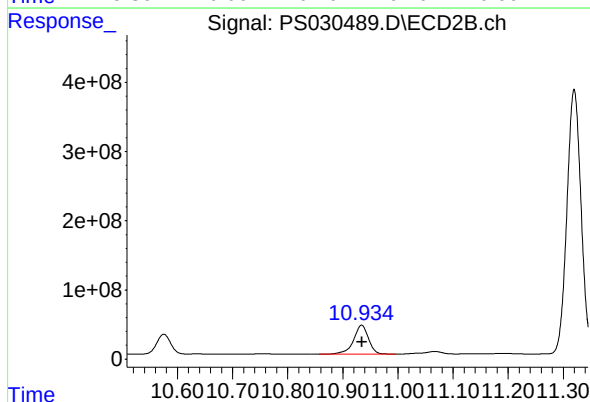
#13 2,4-DB

R.T.: 10.275 min
Delta R.T.: -0.002 min
Response: 2159285538
Conc: 711.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

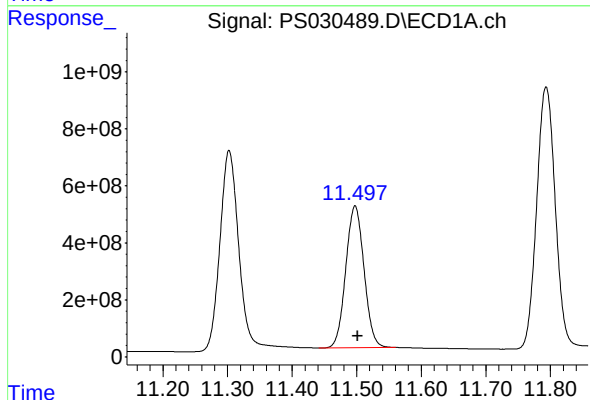
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



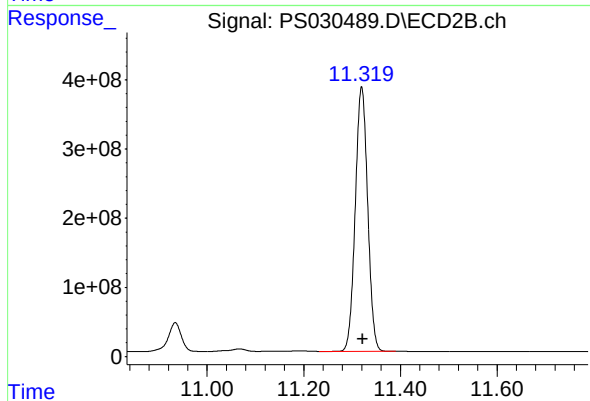
#13 2,4-DB

R.T.: 10.934 min
Delta R.T.: -0.001 min
Response: 788211264
Conc: 685.67 ng/ml



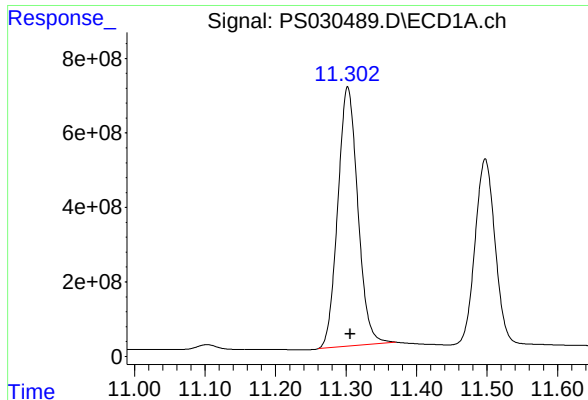
#14 DINOSEB

R.T.: 11.498 min
Delta R.T.: -0.004 min
Response: 9792461947
Conc: 681.22 ng/ml



#14 DINOSEB

R.T.: 11.320 min
Delta R.T.: -0.002 min
Response: 6802095872
Conc: 676.82 ng/ml



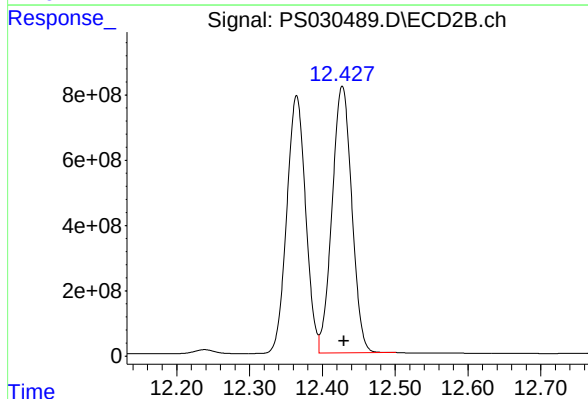
#15 Picloram

R.T.: 11.302 min
Delta R.T.: -0.004 min
Response: 13741933552
Conc: 686.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

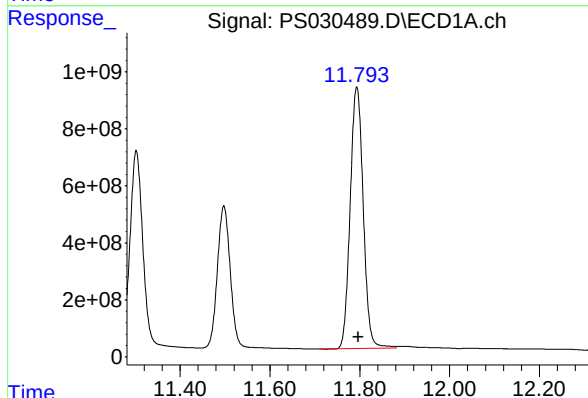
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



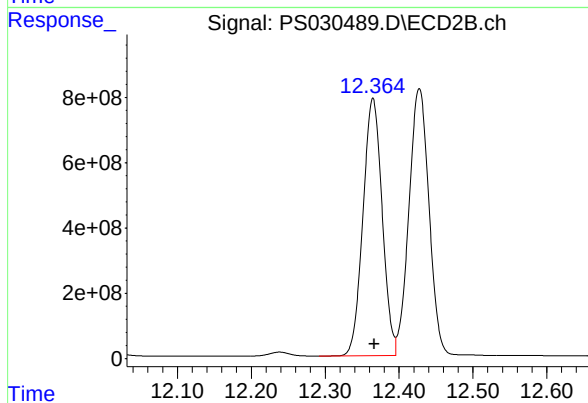
#15 Picloram

R.T.: 12.427 min
Delta R.T.: -0.002 min
Response: 15366240744
Conc: 695.81 ng/ml



#16 DCPA

R.T.: 11.793 min
Delta R.T.: -0.004 min
Response: 18479312195
Conc: 698.91 ng/ml



#16 DCPA

R.T.: 12.365 min
Delta R.T.: -0.002 min
Response: 14202484570
Conc: 694.06 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.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 06/09/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 17:46 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.55	7.56	7.46	7.66	0.01
MCP	7.73	7.74	7.64	7.84	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
Dalapon	2.71	2.72	2.62	2.82	0.01
MCPA	7.88	7.90	7.80	8.00	0.02
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.69	9.70	9.60	9.80	0.01
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.49	11.50	11.40	11.60	0.01
Pentachlorophenol	8.81	8.82	8.72	8.92	0.01
4-Nitrophenol	7.16	7.17	7.07	7.27	0.01
PICLORAM	11.29	11.31	11.21	11.41	0.02
DCPA	11.78	11.80	11.70	11.90	0.02
3,5-DICHLOROBENZ	6.52	6.52	6.42	6.62	0.00



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.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 06/09/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 17:46 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.97	7.98	7.88	8.08	0.01
MCPD	8.07	8.08	7.98	8.18	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
MCPA	8.32	8.33	8.23	8.43	0.01
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.32	11.32	11.22	11.42	0.01
Pentachlorophenol	9.56	9.56	9.46	9.66	0.00
4-Nitrophenol	7.30	7.30	7.20	7.40	0.00
PICLORAM	12.42	12.43	12.33	12.53	0.01
DCPA	12.36	12.37	12.27	12.47	0.01
3,5-DICHLOROBENZ	6.71	6.72	6.62	6.82	0.01



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.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL03 Date Analyzed: 06/09/2025

Lab Sample No.: HSTDCCC750 Data File : PS030575.D Time Analyzed: 17:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.685	9.597	9.797	689.350	712.500	-3.2
2,4,5-TP(Silvex)	9.390	9.304	9.504	721.350	712.500	1.2
2,4-D	8.500	8.412	8.612	682.250	705.000	-3.2
2,4-DB	10.264	10.179	10.379	633.500	712.500	-11.1
2,4-DCAA	7.360	7.269	7.469	740.450	750.000	-1.3
3,5-DICHLOROBENZOIC ACID	6.518	6.424	6.624	704.080	697.500	0.9
4-Nitrophenol	7.160	7.067	7.267	673.930	682.500	-1.3
Dalapon	2.714	2.616	2.816	692.400	682.500	1.5
DCPA	11.783	11.697	11.897	730.200	720.000	1.4
DICAMBA	7.552	7.461	7.661	726.990	705.000	3.1
DICHLORPROP	8.267	8.179	8.379	700.270	705.000	-0.7
Dinoseb	11.486	11.402	11.602	705.860	705.000	0.1
MCPA	7.884	7.795	7.995	69.410	69.750	-0.5
MCPP	7.734	7.644	7.844	78.620	70.500	11.5
Pentachlorophenol	8.809	8.720	8.920	773.960	712.500	8.6
PICLORAM	11.292	11.207	11.407	627.940	712.500	-11.9



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.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL03 Date Analyzed: 06/09/2025

Lab Sample No.: HSTDCCC750 Data File : PS030575.D Time Analyzed: 17:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.361	10.268	10.468	708.570	712.500	-0.6
2,4,5-TP(Silvex)	9.935	9.842	10.042	715.680	712.500	0.4
2,4-D	9.028	8.934	9.134	699.240	705.000	-0.8
2,4-DB	10.928	10.836	11.036	687.130	712.500	-3.6
2,4-DCAA	7.769	7.674	7.874	720.580	750.000	-3.9
3,5-DICHLOROBENZOIC ACID	6.714	6.617	6.817	681.770	697.500	-2.3
4-Nitrophenol	7.300	7.203	7.403	696.630	682.500	2.1
Dalapon	2.713	2.610	2.810	662.850	682.500	-2.9
DCPA	12.358	12.266	12.466	738.200	720.000	2.5
DICAMBA	7.973	7.877	8.077	704.220	705.000	-0.1
DICHLORPROP	8.693	8.598	8.798	698.740	705.000	-0.9
Dinoseb	11.315	11.221	11.421	708.580	705.000	0.5
MCPA	8.322	8.227	8.427	65.230	69.750	-6.5
MCPP	8.072	7.977	8.177	71.170	70.500	1.0
Pentachlorophenol	9.555	9.461	9.661	734.100	712.500	3.0
PICLORAM	12.422	12.330	12.530	676.580	712.500	-5.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
 Data File : PS030575.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 17:46
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 10 02:55:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.360	7.769	2795.3E6	775.1E6	740.449m	720.576
Target Compounds						
1) T Dalapon	2.714	2.713	3910.0E6	1816.2E6	692.404	662.848
2) T 3,5-DICHL...	6.518	6.714	3820.6E6	1066.5E6	704.076	681.766
3) T 4-Nitroph...	7.160	7.300	1235.8E6	1091.8E6	673.932	696.630
5) T DICAMBA	7.552	7.973	11212.0E6	4536.3E6	726.988	704.218
6) T MCPP	7.734	8.072	778.8E6	164.5E6	78.625m	71.174
7) T MCPA	7.884	8.322	880.7E6	201.3E6	69.408	65.227
8) T DICHLORPROP	8.267	8.693	2547.7E6	1037.1E6	700.266	698.745
9) T 2,4-D	8.500	9.028	2485.9E6	1099.4E6	682.251	699.235
10) T Pentachlo...	8.809	9.555	39306.6E6	26528.8E6	773.962	734.098
11) T 2,4,5-TP ...	9.390	9.935	14906.8E6	9816.8E6	721.350	715.678
12) T 2,4,5-T	9.685	10.361	12705.4E6	9251.9E6	689.347	708.569
13) T 2,4-DB	10.264	10.928	1923.5E6	789.9E6	633.503	687.129
14) T DINOSEB	11.486	11.315	10146.6E6	7121.3E6	705.857	708.577
15) T Picloram	11.292	12.422	12561.8E6	14941.6E6	627.939m	676.583
16) T DCPA	11.783	12.358	19306.4E6	15105.7E6	730.195	738.197m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
Data File : PS030575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:46
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

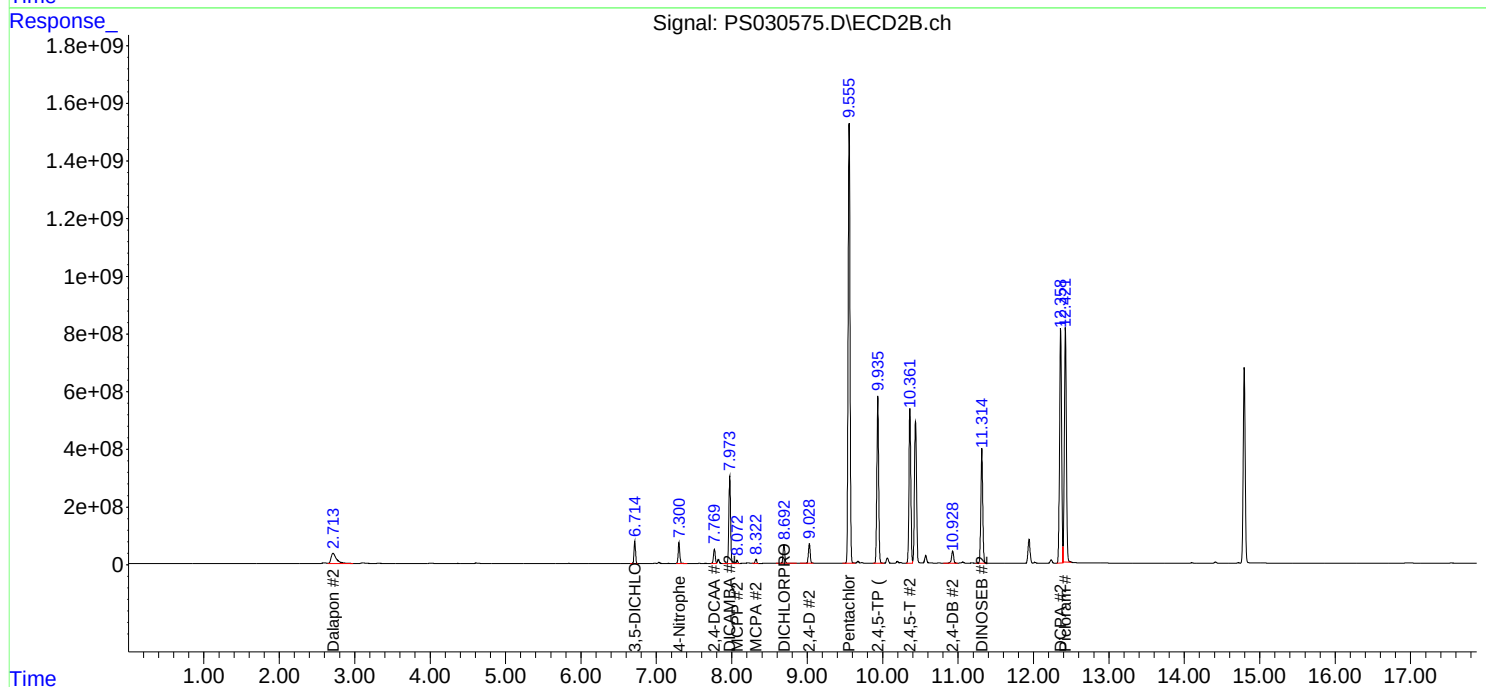
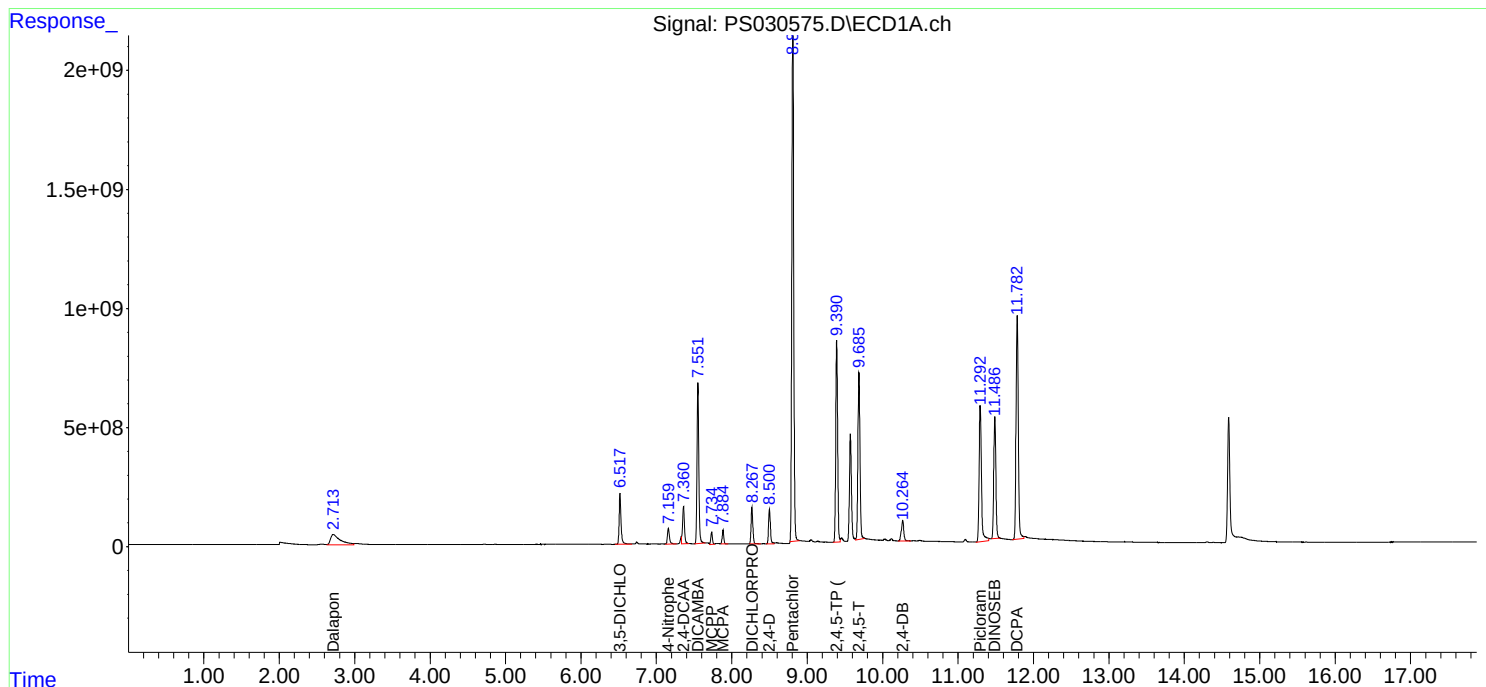
APPROVED

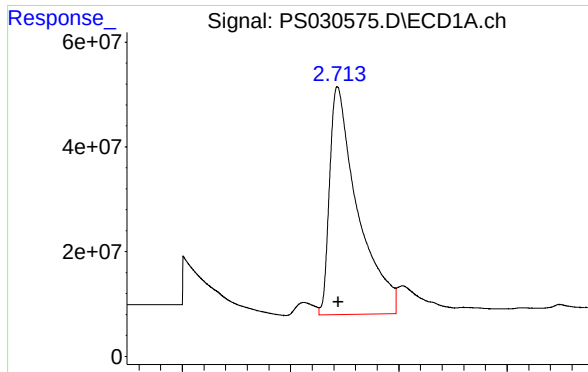
Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:55:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





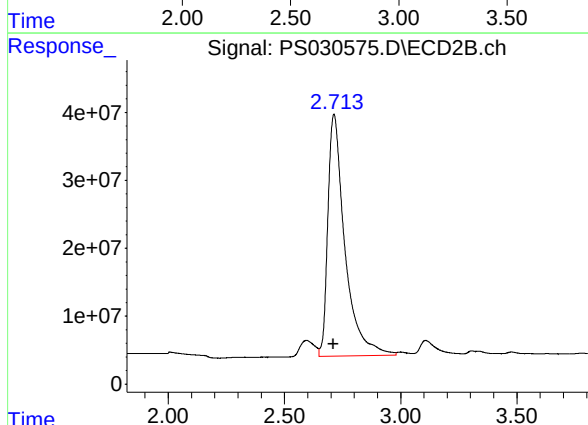
#1 Dalapon

R.T.: 2.714 min
Delta R.T.: -0.006 min
Response: 3909984501
Conc: 692.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

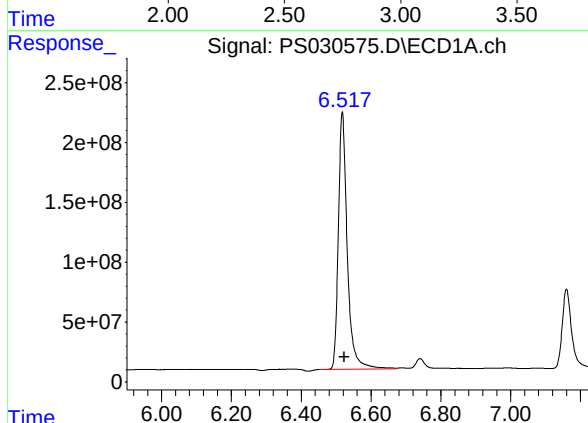
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



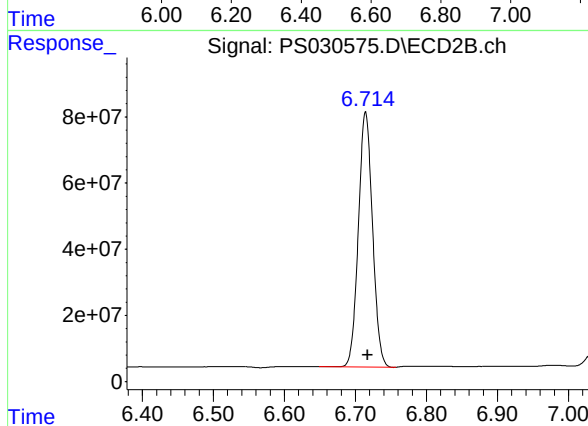
#1 Dalapon

R.T.: 2.713 min
Delta R.T.: 0.003 min
Response: 1816213467
Conc: 662.85 ng/ml



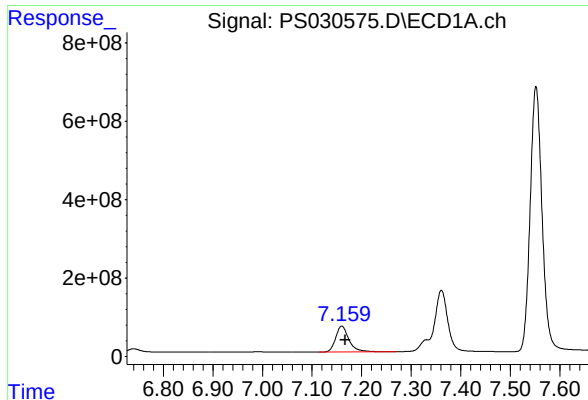
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.518 min
Delta R.T.: -0.006 min
Response: 3820563147
Conc: 704.08 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.714 min
Delta R.T.: -0.003 min
Response: 1066451500
Conc: 681.77 ng/ml



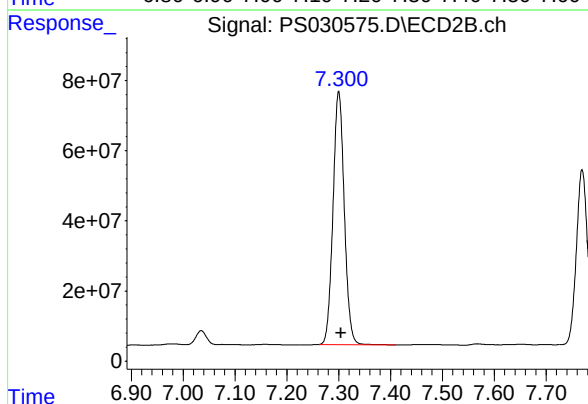
#3 4-Nitrophenol

R.T.: 7.160 min
Delta R.T.: -0.007 min
Response: 1235825603
Conc: 673.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

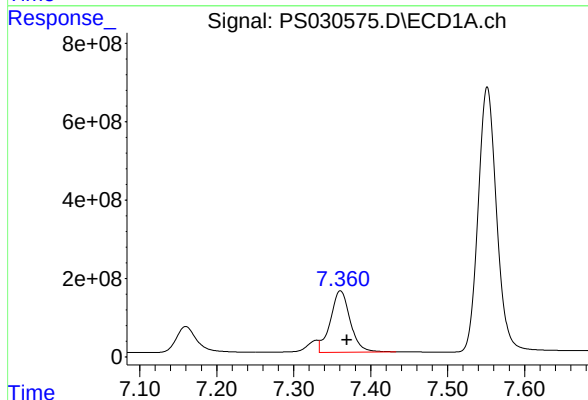
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



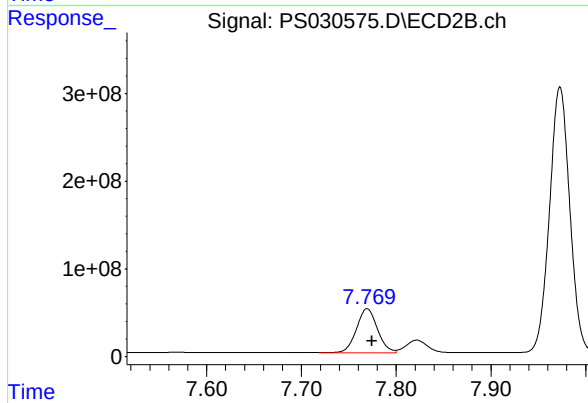
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.004 min
Response: 1091787698
Conc: 696.63 ng/ml



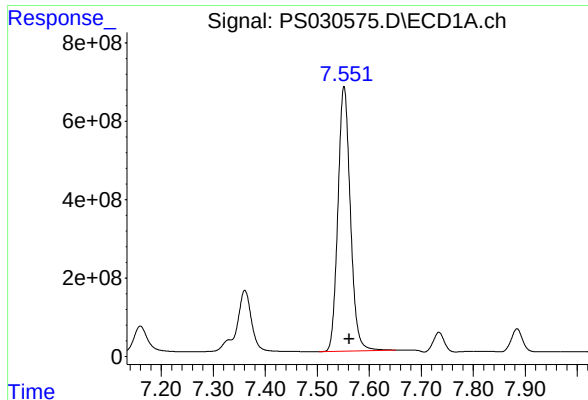
#4 2,4-DCAA

R.T.: 7.360 min
Delta R.T.: -0.009 min
Response: 2795302407
Conc: 740.45 ng/ml m



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: -0.005 min
Response: 775059141
Conc: 720.58 ng/ml



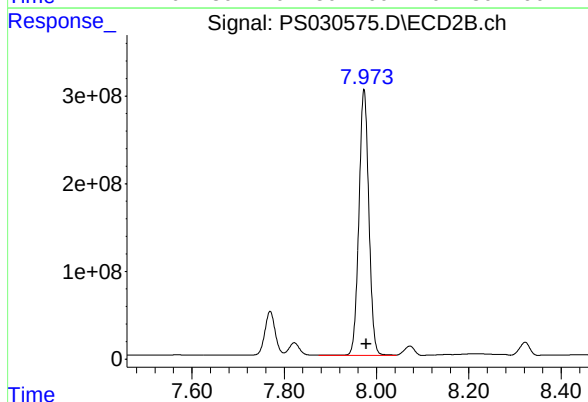
#5 DICAMBA

R.T.: 7.552 min
Delta R.T.: -0.010 min
Response: 11211997567
Conc: 726.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

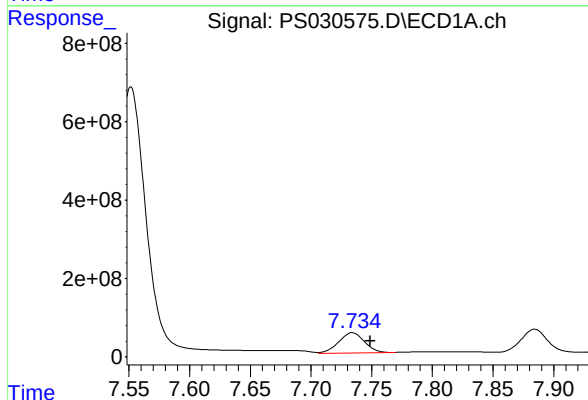
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



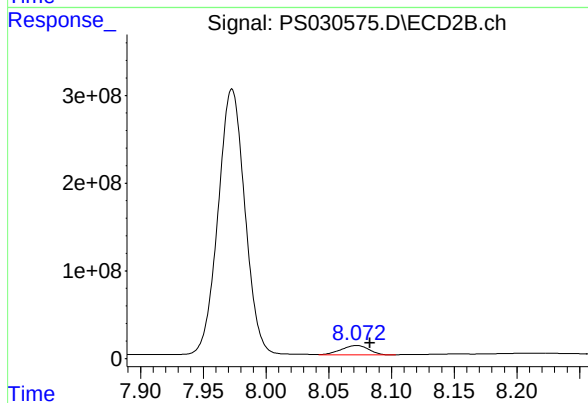
#5 DICAMBA

R.T.: 7.973 min
Delta R.T.: -0.006 min
Response: 4536321065
Conc: 704.22 ng/ml



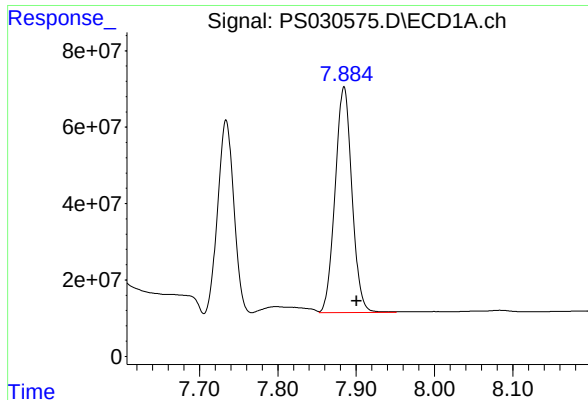
#6 MCPP

R.T.: 7.734 min
Delta R.T.: -0.015 min
Response: 778771303
Conc: 78.62 ug/ml m



#6 MCPP

R.T.: 8.072 min
Delta R.T.: -0.011 min
Response: 164525275
Conc: 71.17 ug/ml



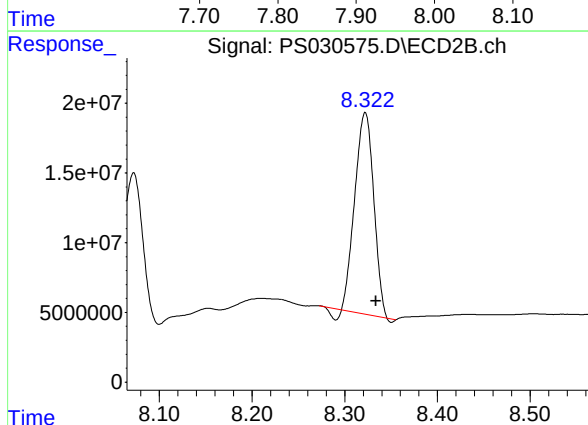
#7 MCPA

R.T.: 7.884 min
Delta R.T.: -0.016 min
Response: 880744553
Conc: 69.41 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

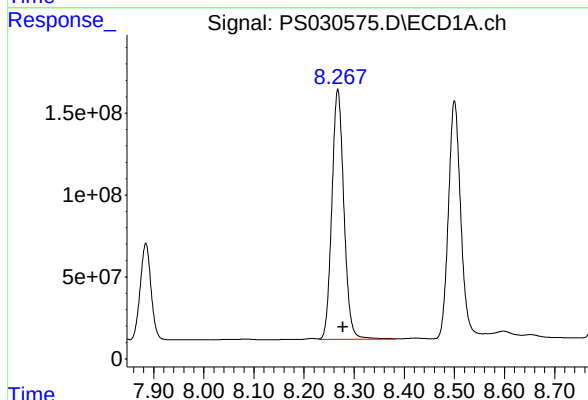
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



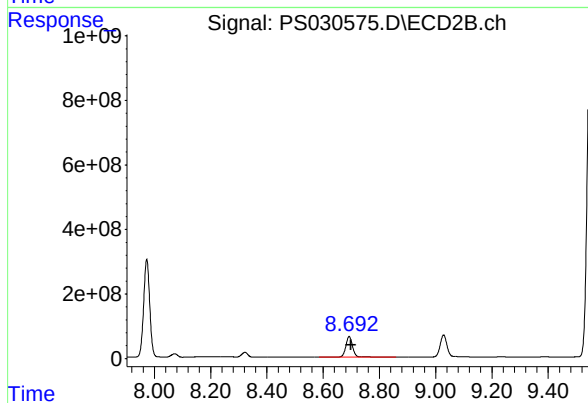
#7 MCPA

R.T.: 8.322 min
Delta R.T.: -0.012 min
Response: 201284574
Conc: 65.23 ug/ml



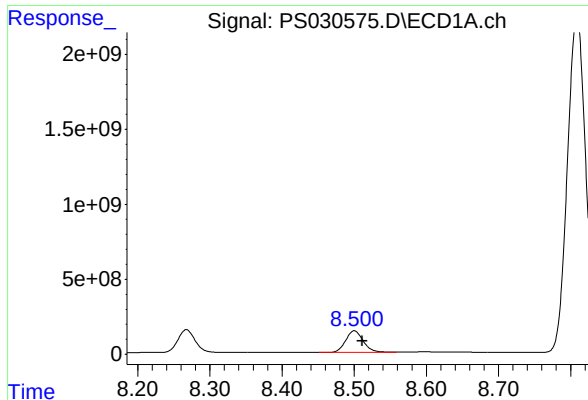
#8 DICHLORPROP

R.T.: 8.267 min
Delta R.T.: -0.011 min
Response: 2547667877
Conc: 700.27 ng/ml



#8 DICHLORPROP

R.T.: 8.693 min
Delta R.T.: -0.006 min
Response: 1037079874
Conc: 698.74 ng/ml



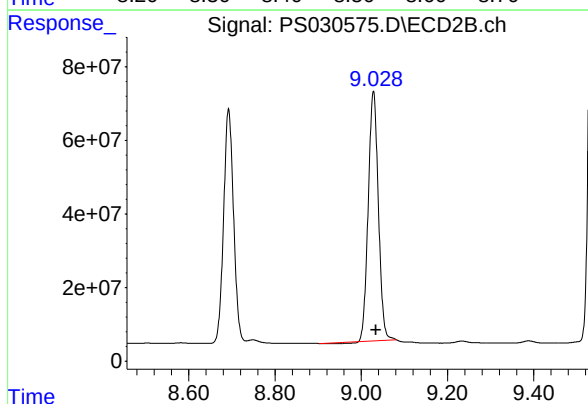
#9 2,4-D

R.T.: 8.500 min
Delta R.T.: -0.011 min
Response: 2485857482
Conc: 682.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

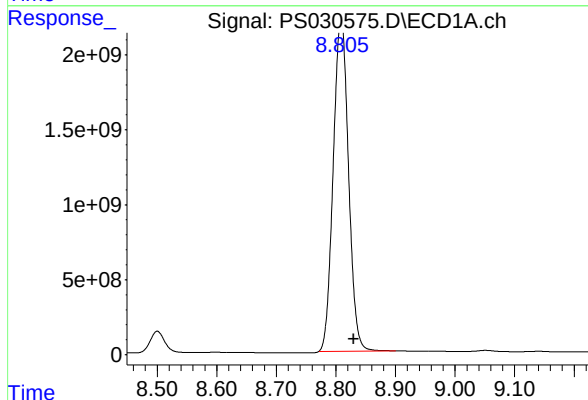
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



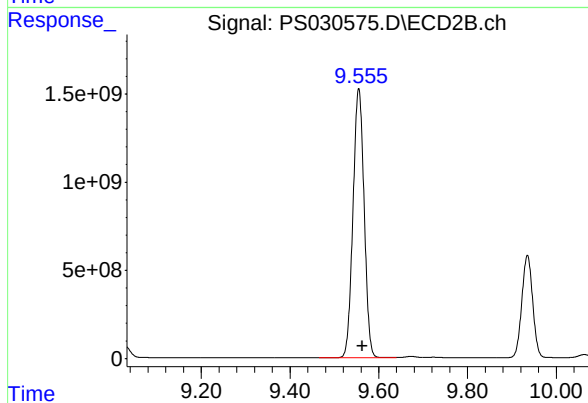
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: -0.006 min
Response: 1099422082
Conc: 699.24 ng/ml



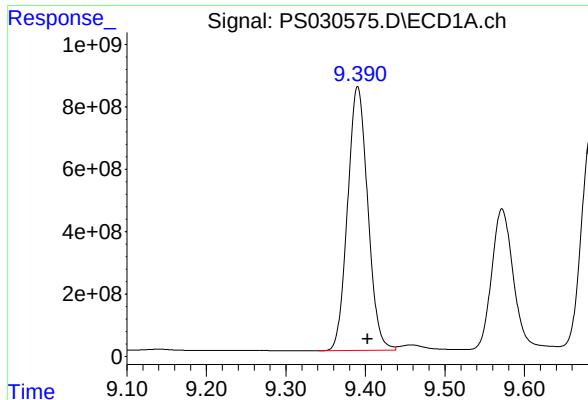
#10 Pentachlorophenol

R.T.: 8.809 min
Delta R.T.: -0.021 min
Response: 39306586721
Conc: 773.96 ng/ml



#10 Pentachlorophenol

R.T.: 9.555 min
Delta R.T.: -0.008 min
Response: 26528834358
Conc: 734.10 ng/ml



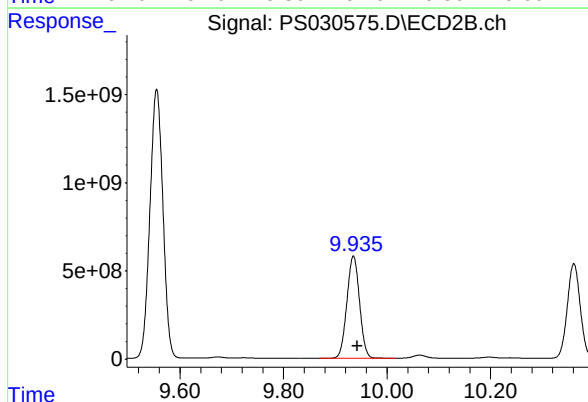
#11 2,4,5-TP (SILVEX)

R.T.: 9.390 min
Delta R.T.: -0.013 min
Response: 14906756078
Conc: 721.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

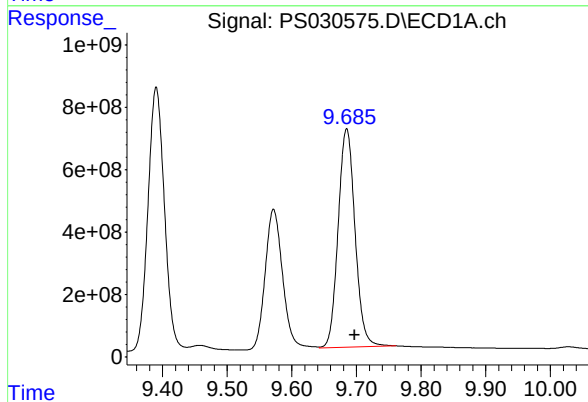
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



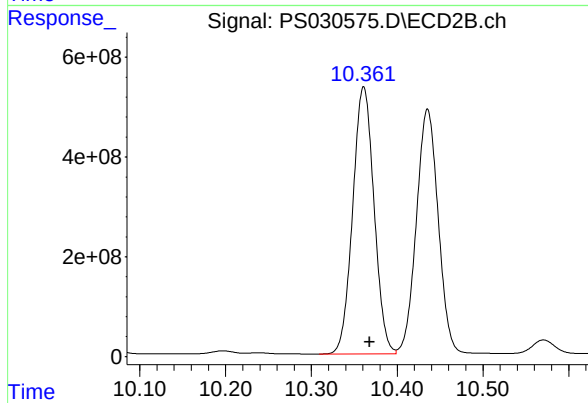
#11 2,4,5-TP (SILVEX)

R.T.: 9.935 min
Delta R.T.: -0.007 min
Response: 9816776100
Conc: 715.68 ng/ml



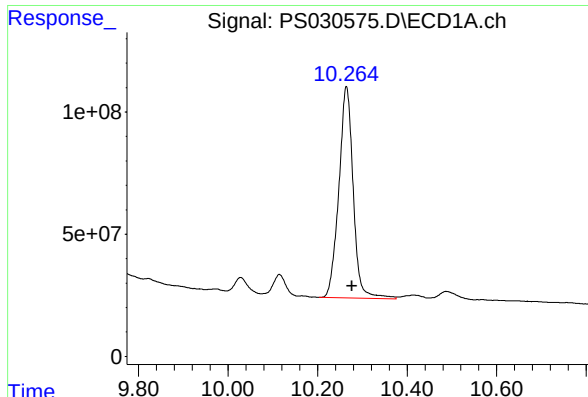
#12 2,4,5-T

R.T.: 9.685 min
Delta R.T.: -0.012 min
Response: 12705389378
Conc: 689.35 ng/ml



#12 2,4,5-T

R.T.: 10.361 min
Delta R.T.: -0.007 min
Response: 9251881762
Conc: 708.57 ng/ml



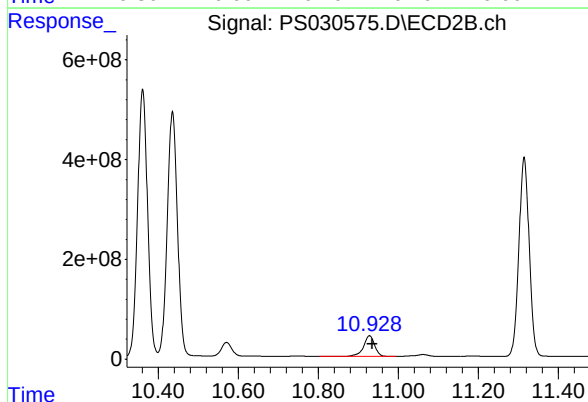
#13 2,4-DB

R.T.: 10.264 min
Delta R.T.: -0.013 min
Response: 1923544239
Conc: 633.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

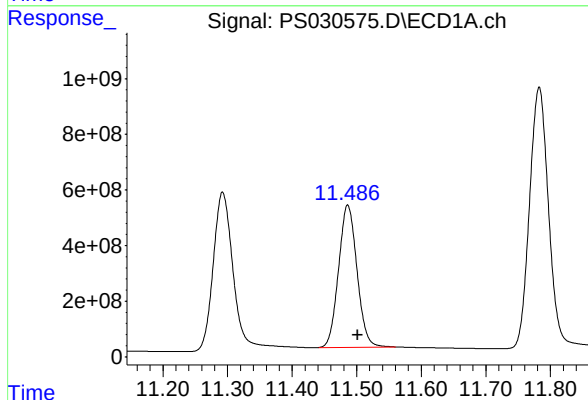
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



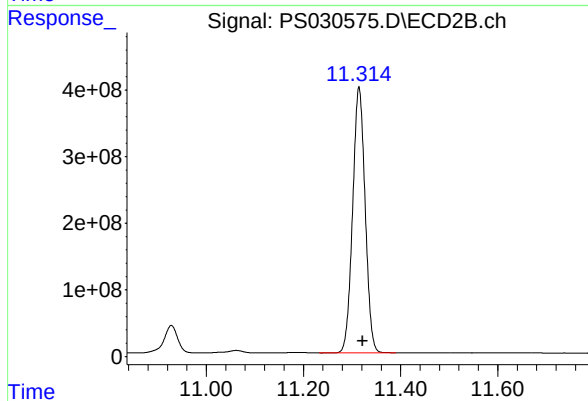
#13 2,4-DB

R.T.: 10.928 min
Delta R.T.: -0.007 min
Response: 789890831
Conc: 687.13 ng/ml



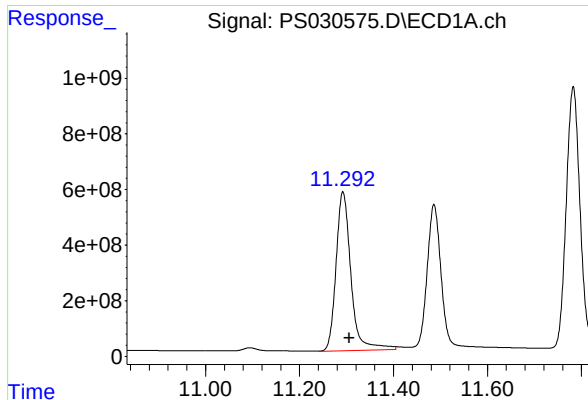
#14 DINOSEB

R.T.: 11.486 min
Delta R.T.: -0.015 min
Response: 10146643347
Conc: 705.86 ng/ml



#14 DINOSEB

R.T.: 11.315 min
Delta R.T.: -0.007 min
Response: 7121284192
Conc: 708.58 ng/ml



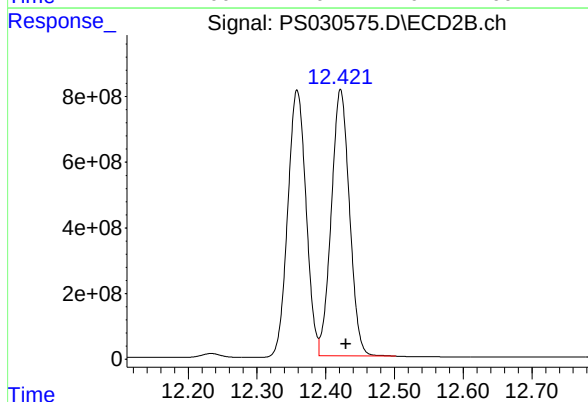
#15 Picloram

R.T.: 11.292 min
Delta R.T.: -0.015 min
Response: 12561803845
Conc: 627.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

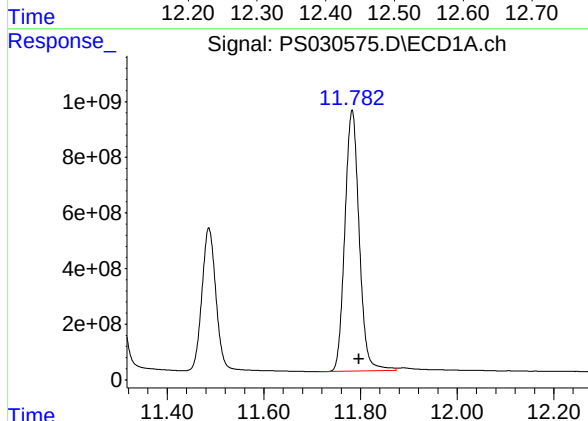
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



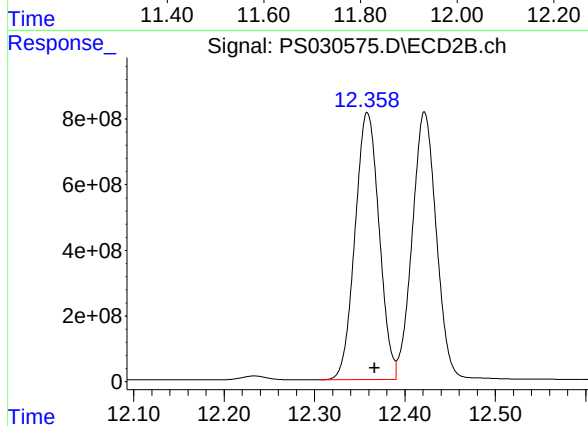
#15 Picloram

R.T.: 12.422 min
Delta R.T.: -0.008 min
Response: 14941582482
Conc: 676.58 ng/ml



#16 DCPA

R.T.: 11.783 min
Delta R.T.: -0.014 min
Response: 19306437956
Conc: 730.20 ng/ml



#16 DCPA

R.T.: 12.358 min
Delta R.T.: -0.009 min
Response: 15105683252
Conc: 738.20 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.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 06/09/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 19:53 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.55	7.56	7.46	7.66	0.01
MCP	7.73	7.74	7.64	7.84	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
Dalapon	2.72	2.72	2.62	2.82	0.01
MCPA	7.89	7.90	7.80	8.00	0.01
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.68	9.70	9.60	9.80	0.02
2,4-DB	10.26	10.28	10.18	10.38	0.02
Dinoseb	11.49	11.50	11.40	11.60	0.01
Pentachlorophenol	8.81	8.82	8.72	8.92	0.01
4-Nitrophenol	7.16	7.17	7.07	7.27	0.01
PICLORAM	11.29	11.31	11.21	11.41	0.02
DCPA	11.78	11.80	11.70	11.90	0.02
3,5-DICHLOROBENZ	6.52	6.52	6.42	6.62	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

Continuing Calib Date: 06/09/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 19:53 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.97	7.98	7.88	8.08	0.01
MCPD	8.07	8.08	7.98	8.18	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
Dalapon	2.71	2.71	2.61	2.81	0.00
MCPA	8.32	8.33	8.23	8.43	0.01
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.31	11.32	11.22	11.42	0.01
Pentachlorophenol	9.56	9.56	9.46	9.66	0.00
4-Nitrophenol	7.30	7.30	7.20	7.40	0.00
PICLORAM	12.42	12.43	12.33	12.53	0.01
DCPA	12.36	12.37	12.27	12.47	0.01
3,5-DICHLOROBENZ	6.72	6.72	6.62	6.82	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL04 Date Analyzed: 06/09/2025

Lab Sample No.: HSTDCCC750 Data File : PS030580.D Time Analyzed: 19:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.684	9.597	9.797	698.110	712.500	-2.0
2,4,5-TP(Silvex)	9.390	9.304	9.504	724.120	712.500	1.6
2,4-D	8.499	8.412	8.612	689.840	705.000	-2.2
2,4-DB	10.264	10.179	10.379	649.610	712.500	-8.8
2,4-DCAA	7.360	7.269	7.469	732.930	750.000	-2.3
3,5-DICHLOROBENZOIC ACID	6.518	6.424	6.624	707.480	697.500	1.4
4-Nitrophenol	7.160	7.067	7.267	671.670	682.500	-1.6
Dalapon	2.715	2.616	2.816	704.100	682.500	3.2
DCPA	11.781	11.697	11.897	734.030	720.000	1.9
DICAMBA	7.552	7.461	7.661	729.450	705.000	3.5
DICHLORPROP	8.268	8.179	8.379	700.780	705.000	-0.6
Dinoseb	11.486	11.402	11.602	716.830	705.000	1.7
MCPA	7.885	7.795	7.995	69.180	69.750	-0.8
MCPP	7.733	7.644	7.844	74.550	70.500	5.7
Pentachlorophenol	8.809	8.720	8.920	776.630	712.500	9.0
PICLORAM	11.291	11.207	11.407	638.160	712.500	-10.4



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG NO.: Q1872

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL04 Date Analyzed: 06/09/2025

Lab Sample No.: HSTDCCC750 Data File : PS030580.D Time Analyzed: 19:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.361	10.268	10.468	710.000	712.500	-0.4
2,4,5-TP(Silvex)	9.935	9.842	10.042	715.970	712.500	0.5
2,4-D	9.028	8.934	9.134	701.870	705.000	-0.4
2,4-DB	10.928	10.836	11.036	686.990	712.500	-3.6
2,4-DCAA	7.769	7.674	7.874	723.920	750.000	-3.5
3,5-DICHLOROBENZOIC ACID	6.715	6.617	6.817	690.800	697.500	-1.0
4-Nitrophenol	7.300	7.203	7.403	709.880	682.500	4.0
Dalapon	2.712	2.610	2.810	674.870	682.500	-1.1
DCPA	12.358	12.266	12.466	732.010	720.000	1.7
DICAMBA	7.973	7.877	8.077	709.970	705.000	0.7
DICHLORPROP	8.693	8.598	8.798	701.790	705.000	-0.5
Dinoseb	11.314	11.221	11.421	712.940	705.000	1.1
MCPA	8.322	8.227	8.427	65.610	69.750	-5.9
MCPP	8.072	7.977	8.177	63.860	70.500	-9.4
Pentachlorophenol	9.555	9.461	9.661	733.920	712.500	3.0
PICLORAM	12.422	12.330	12.530	689.630	712.500	-3.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
 Data File : PS030580.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 19:53
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 10 02:56:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.360	7.769	2766.9E6	778.7E6	732.927m	723.923
Target Compounds							
1) T	Dalapon	2.715	2.712	3976.0E6	1849.2E6	704.100	674.871
2) T	3,5-DICHL...	6.518	6.715	3839.0E6	1080.6E6	707.475	690.803
3) T	4-Nitroph...	7.160	7.300	1231.7E6	1112.6E6	671.673	709.882
5) T	DICAMBA	7.552	7.973	11250.0E6	4573.4E6	729.449	709.967
6) T	MCP	7.733	8.072	738.4E6	147.6E6	74.551m	63.861
7) T	MCPA	7.885	8.322	877.8E6	202.5E6	69.178	65.614
8) T	DICHLORPROP	8.268	8.693	2549.5E6	1041.6E6	700.777	701.792
9) T	2,4-D	8.499	9.028	2513.5E6	1103.6E6	689.845	701.865
10) T	Pentachlo...	8.809	9.555	39441.9E6	26522.4E6	776.628	733.920
11) T	2,4,5-TP ...	9.390	9.935	14964.0E6	9820.8E6	724.119	715.975
12) T	2,4,5-T	9.684	10.361	12866.9E6	9270.6E6	698.109	710.000
13) T	2,4-DB	10.264	10.928	1972.5E6	789.7E6	649.615	686.990
14) T	DINOSEB	11.486	11.314	10304.4E6	7165.1E6	716.832	712.939
15) T	Picloram	11.291	12.422	12766.2E6	15229.8E6	638.156m	689.634
16) T	DCPA	11.781	12.358	19407.8E6	14979.0E6	734.028	732.007m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
Data File : PS030580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 19:53
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

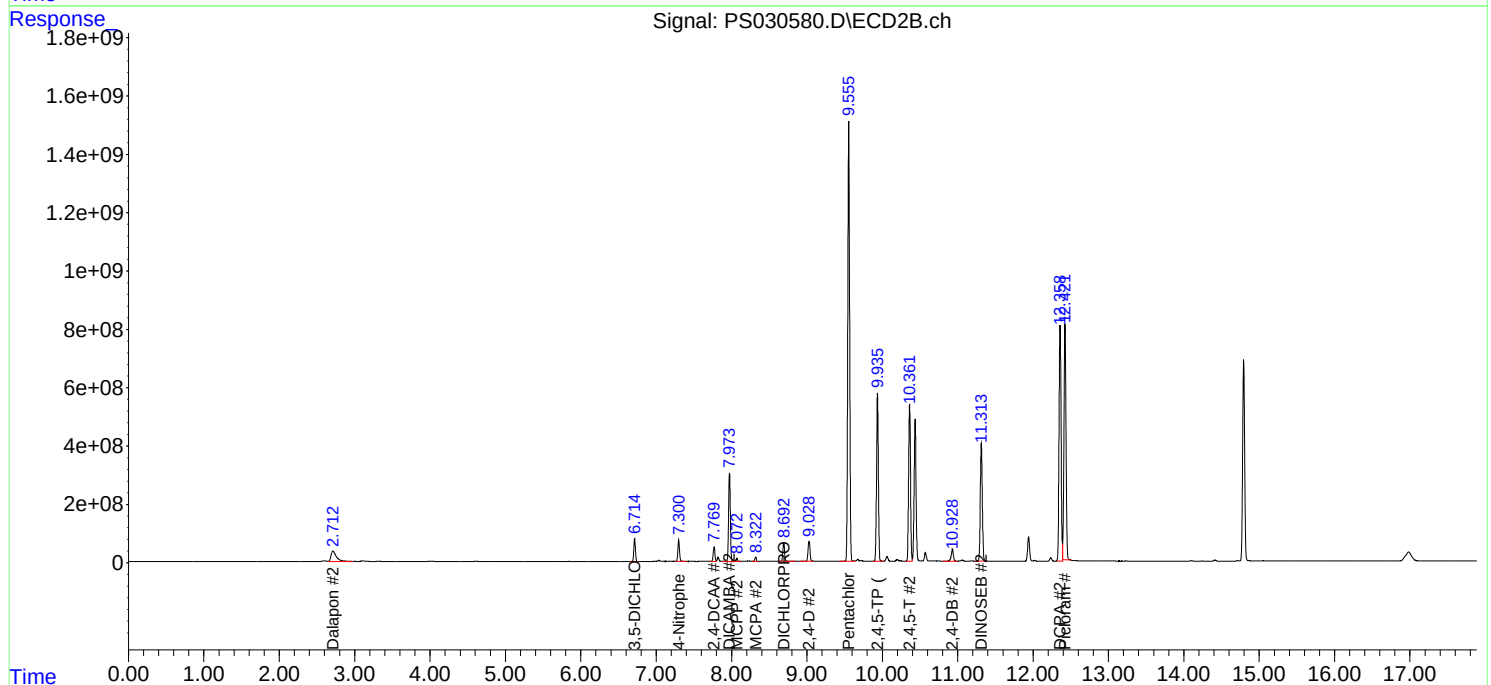
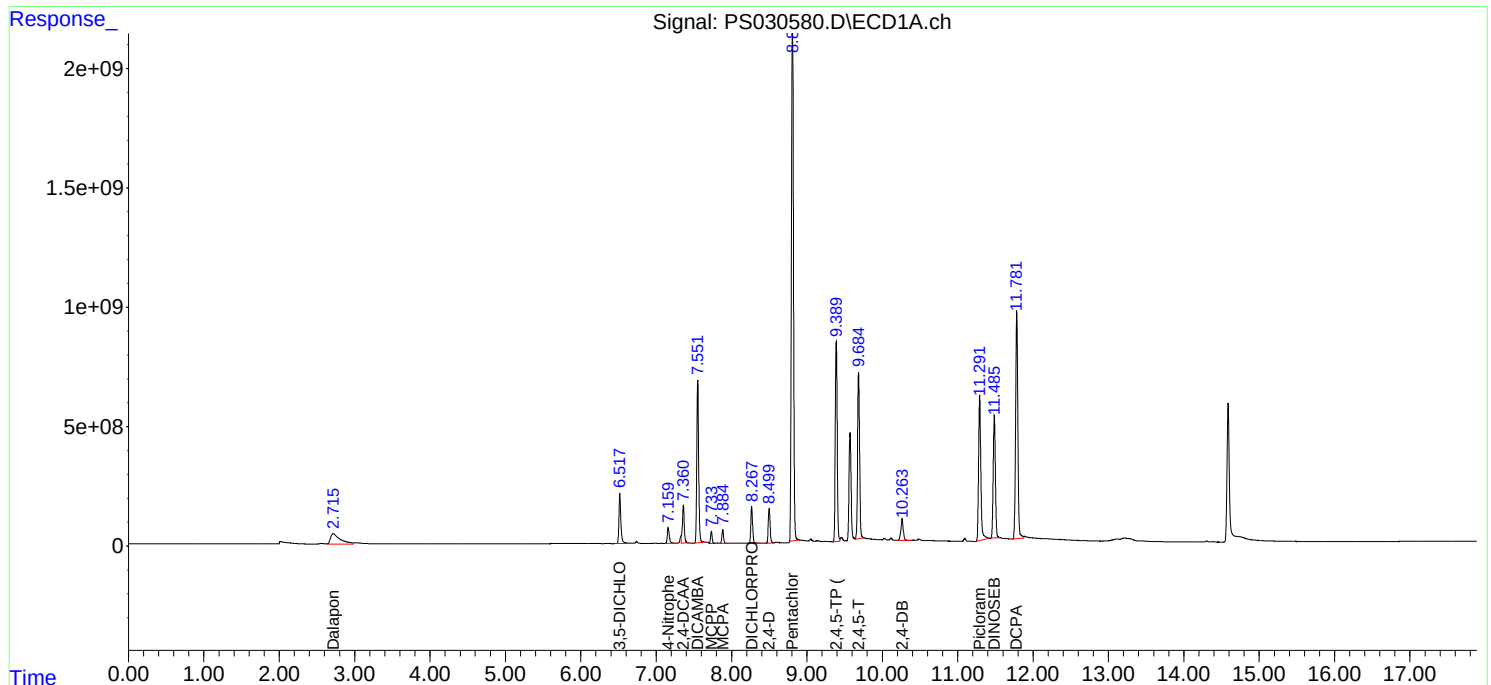
APPROVED

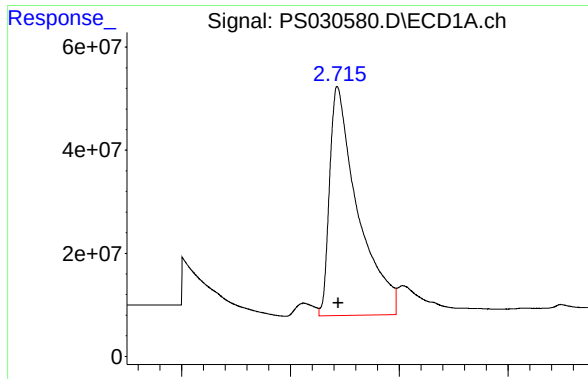
Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:56:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





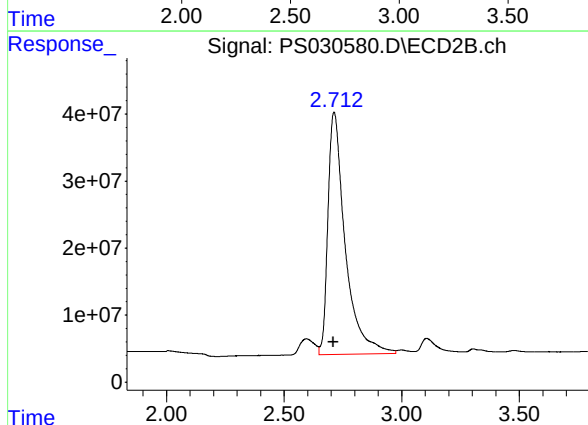
#1 Dalapon

R.T.: 2.715 min
Delta R.T.: -0.005 min
Response: 3976030596
Conc: 704.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

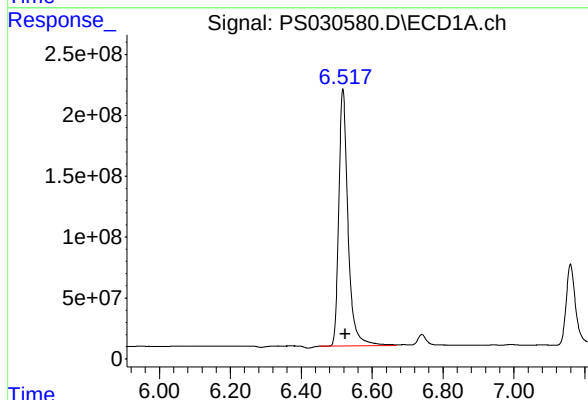
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



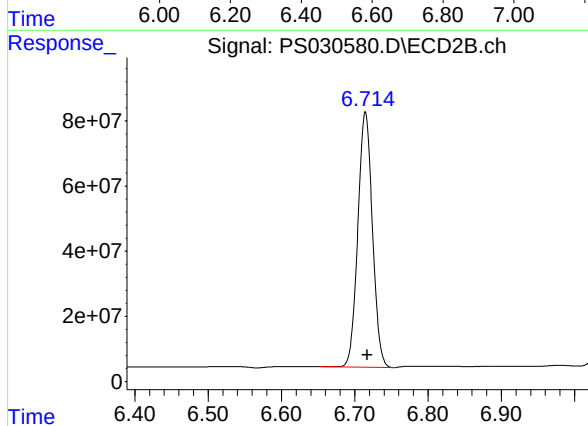
#1 Dalapon

R.T.: 2.712 min
Delta R.T.: 0.002 min
Response: 1849157365
Conc: 674.87 ng/ml



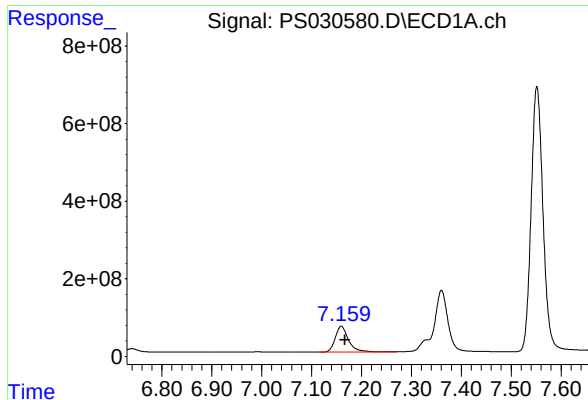
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.518 min
Delta R.T.: -0.007 min
Response: 3839008200
Conc: 707.48 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: -0.003 min
Response: 1080587450
Conc: 690.80 ng/ml



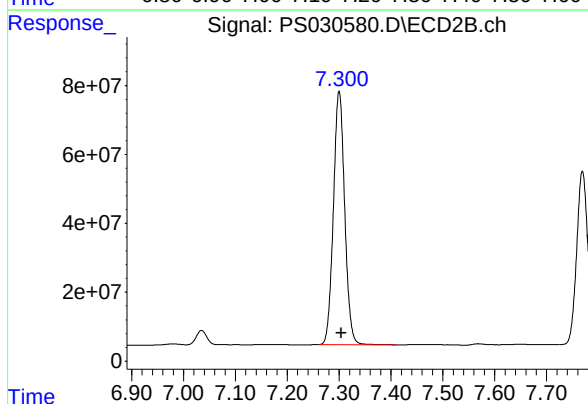
#3 4-Nitrophenol

R.T.: 7.160 min
Delta R.T.: -0.007 min
Response: 1231684841
Conc: 671.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

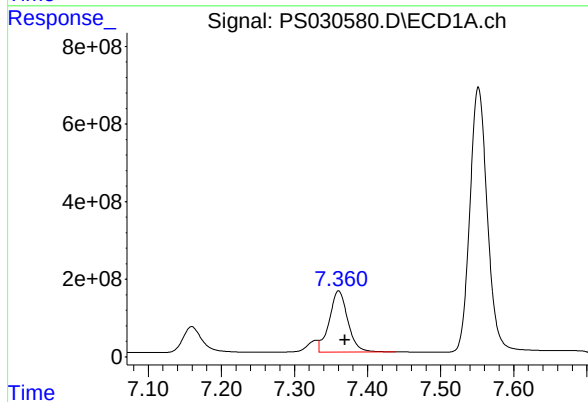
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



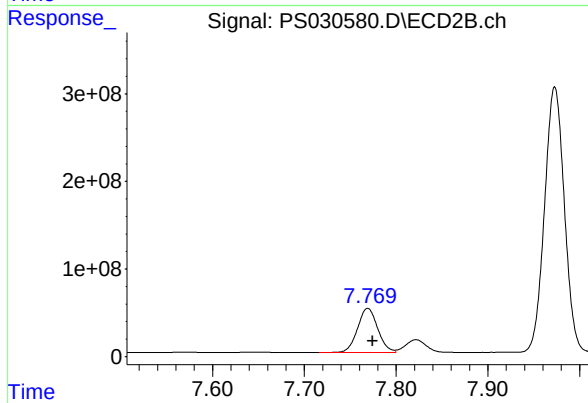
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.004 min
Response: 1112556734
Conc: 709.88 ng/ml



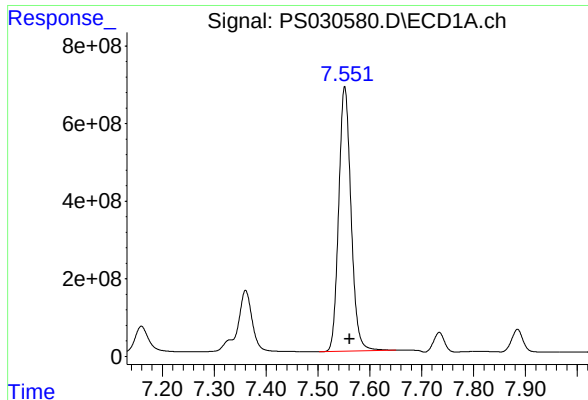
#4 2,4-DCAA

R.T.: 7.360 min
Delta R.T.: -0.009 min
Response: 2766906591
Conc: 732.93 ng/ml m



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: -0.005 min
Response: 778659108
Conc: 723.92 ng/ml



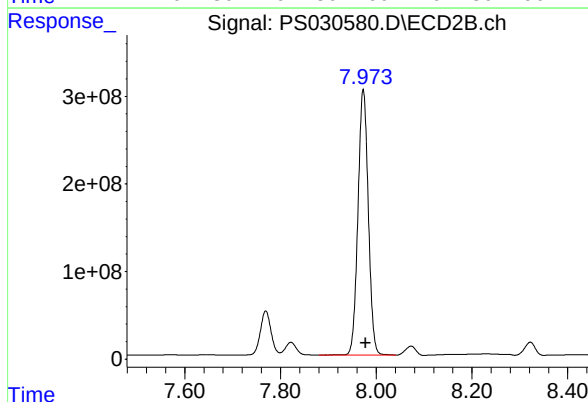
#5 DICAMBA

R.T.: 7.552 min
Delta R.T.: -0.010 min
Response: 11249958626
Conc: 729.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

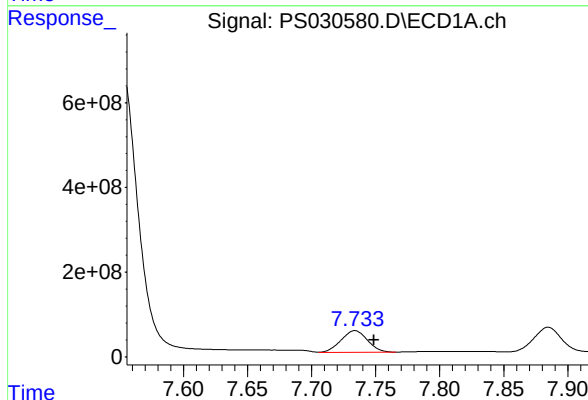
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



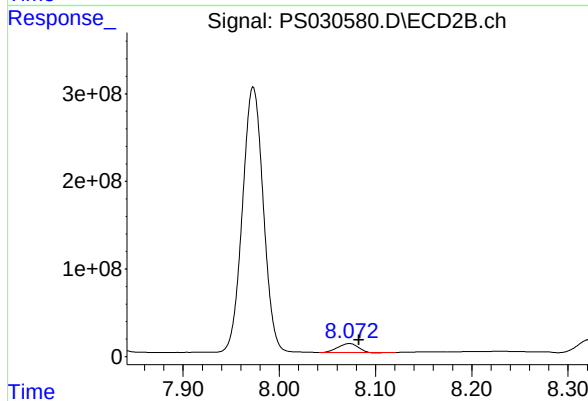
#5 DICAMBA

R.T.: 7.973 min
Delta R.T.: -0.006 min
Response: 4573355677
Conc: 709.97 ng/ml



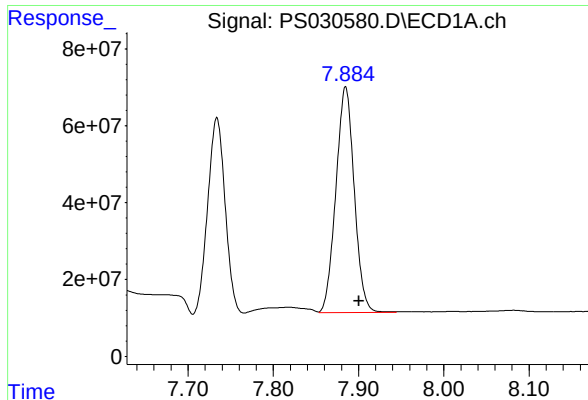
#6 MCPP

R.T.: 7.733 min
Delta R.T.: -0.015 min
Response: 738419975
Conc: 74.55 ug/ml m



#6 MCPP

R.T.: 8.072 min
Delta R.T.: -0.011 min
Response: 147620324
Conc: 63.86 ug/ml



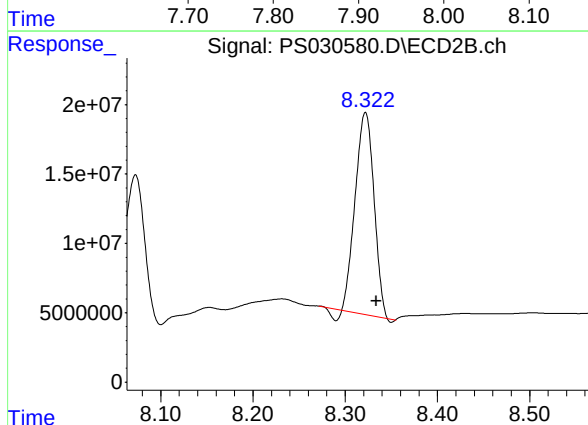
#7 MCPA

R.T.: 7.885 min
Delta R.T.: -0.016 min
Response: 877822248
Conc: 69.18 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

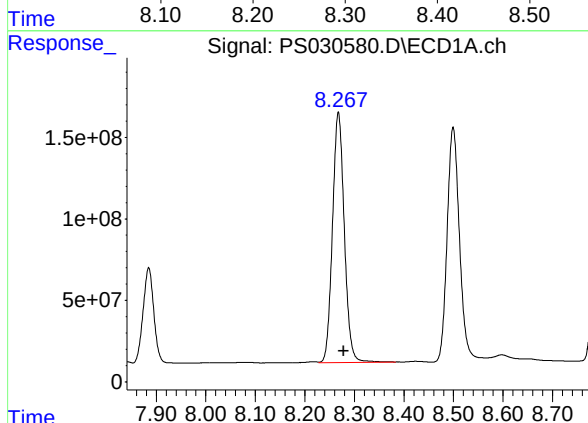
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



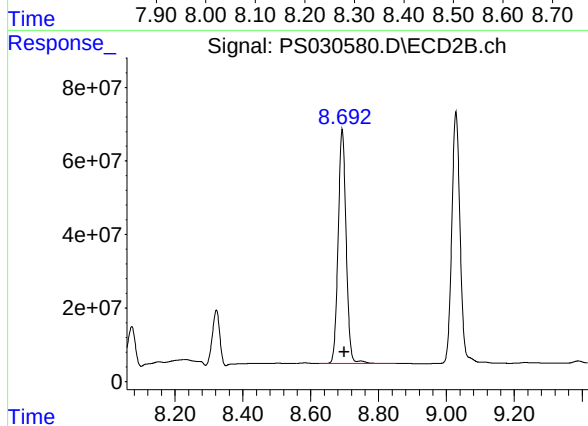
#7 MCPA

R.T.: 8.322 min
Delta R.T.: -0.012 min
Response: 202478111
Conc: 65.61 ug/ml



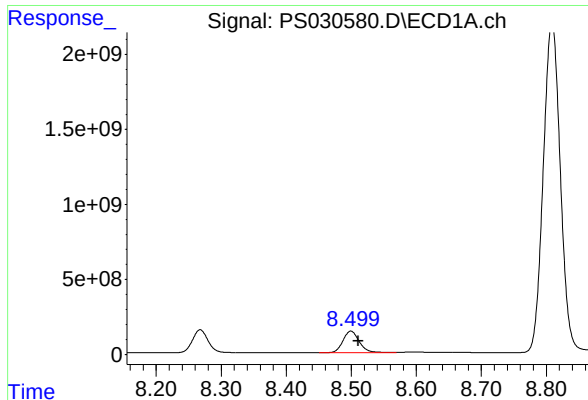
#8 DICHLORPROP

R.T.: 8.268 min
Delta R.T.: -0.011 min
Response: 2549530317
Conc: 700.78 ng/ml



#8 DICHLORPROP

R.T.: 8.693 min
Delta R.T.: -0.006 min
Response: 1041602883
Conc: 701.79 ng/ml



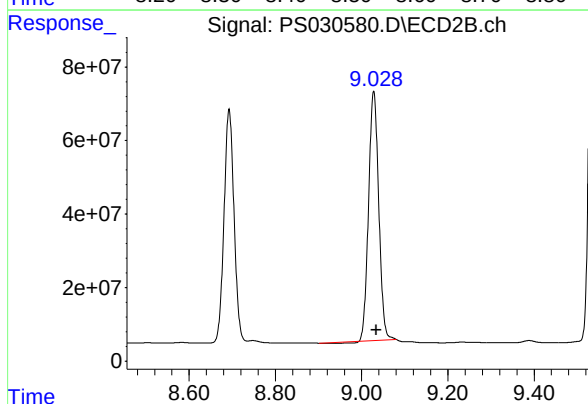
#9 2,4-D

R.T.: 8.499 min
Delta R.T.: -0.012 min
Response: 2513526778
Conc: 689.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

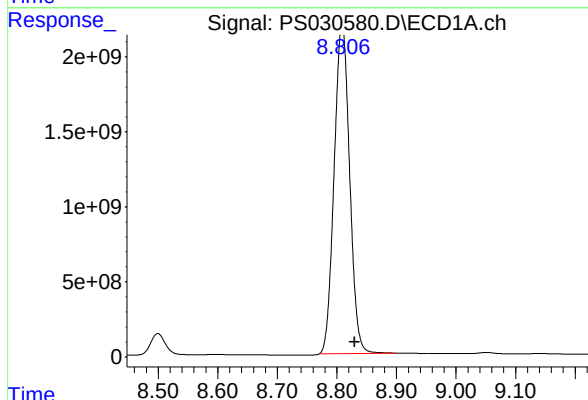
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



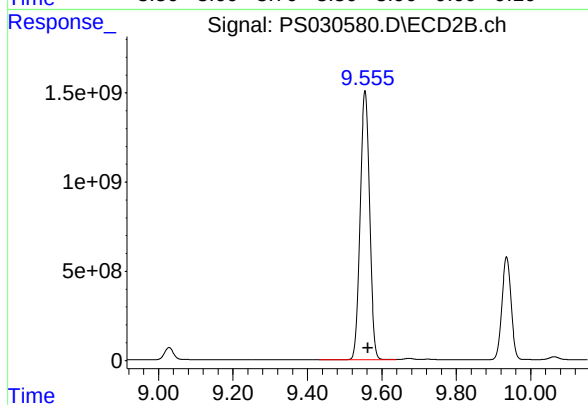
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: -0.006 min
Response: 1103557435
Conc: 701.87 ng/ml



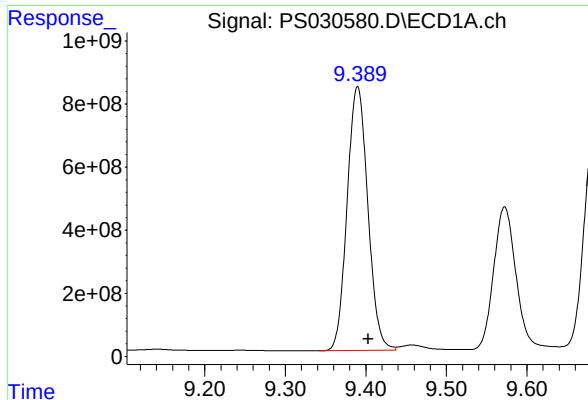
#10 Pentachlorophenol

R.T.: 8.809 min
Delta R.T.: -0.021 min
Response: 39441948290
Conc: 776.63 ng/ml



#10 Pentachlorophenol

R.T.: 9.555 min
Delta R.T.: -0.008 min
Response: 26522412610
Conc: 733.92 ng/ml



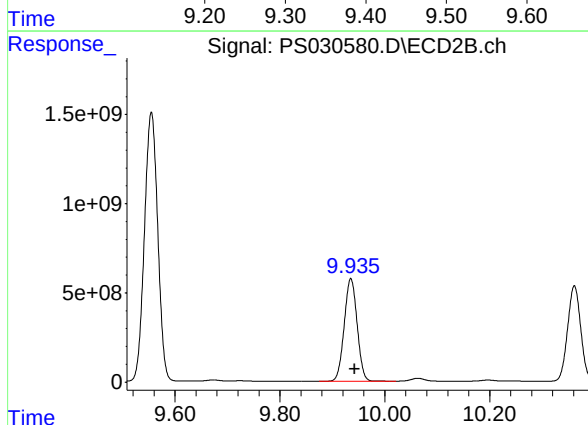
#11 2,4,5-TP (SILVEX)

R.T.: 9.390 min
Delta R.T.: -0.013 min
Response: 14963972269
Conc: 724.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

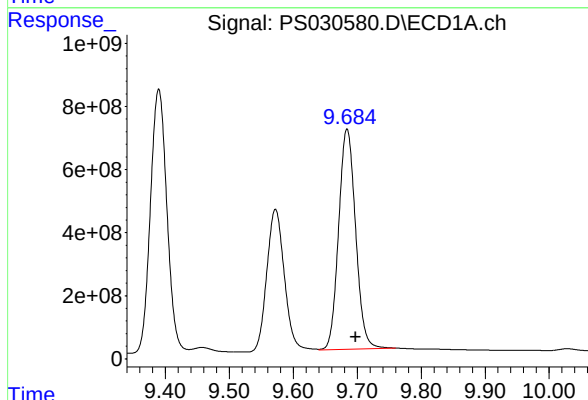
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



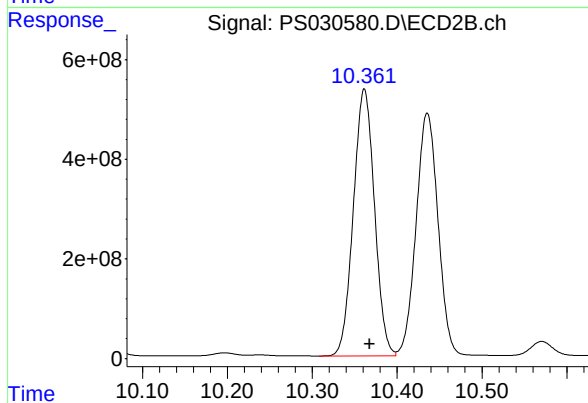
#11 2,4,5-TP (SILVEX)

R.T.: 9.935 min
Delta R.T.: -0.007 min
Response: 9820841249
Conc: 715.97 ng/ml



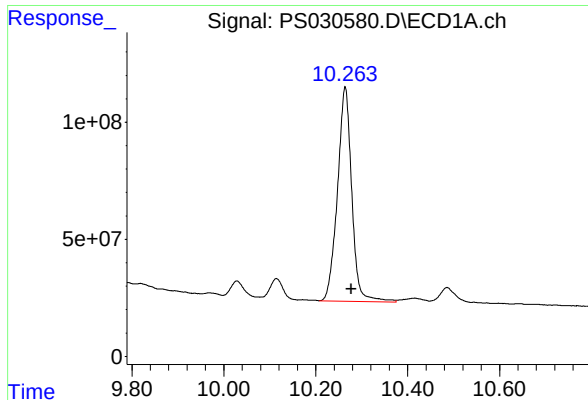
#12 2,4,5-T

R.T.: 9.684 min
Delta R.T.: -0.013 min
Response: 12866895495
Conc: 698.11 ng/ml



#12 2,4,5-T

R.T.: 10.361 min
Delta R.T.: -0.006 min
Response: 9270558698
Conc: 710.00 ng/ml



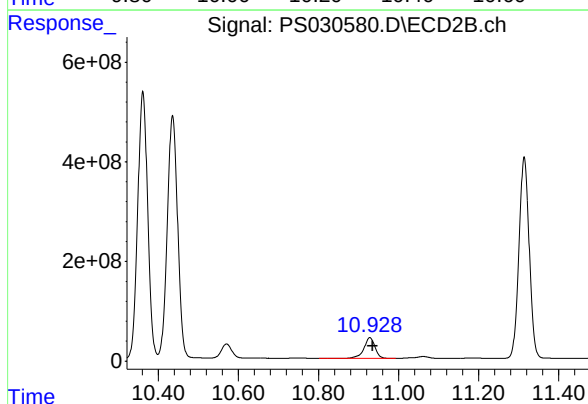
#13 2,4-DB

R.T.: 10.264 min
Delta R.T.: -0.013 min
Response: 1972466539
Conc: 649.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

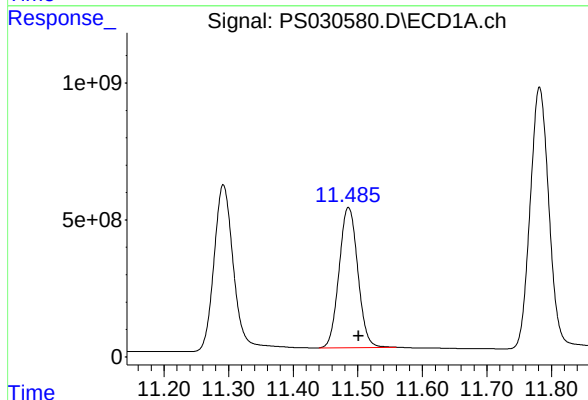
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



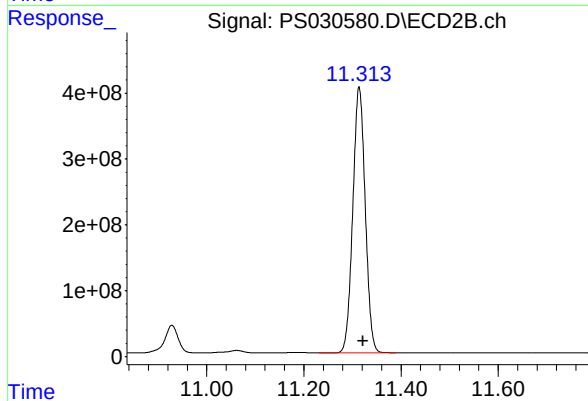
#13 2,4-DB

R.T.: 10.928 min
Delta R.T.: -0.007 min
Response: 789730692
Conc: 686.99 ng/ml



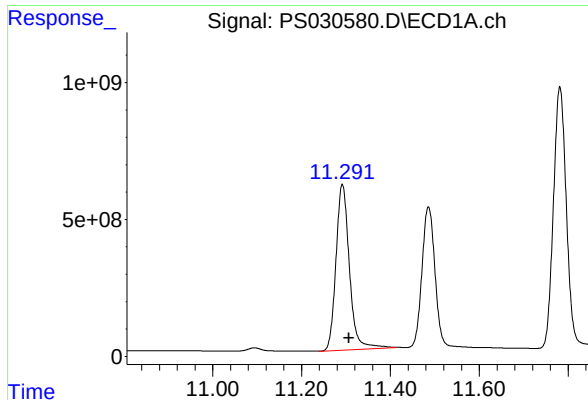
#14 DINOSEB

R.T.: 11.486 min
Delta R.T.: -0.016 min
Response: 10304412024
Conc: 716.83 ng/ml



#14 DINOSEB

R.T.: 11.314 min
Delta R.T.: -0.008 min
Response: 7165119476
Conc: 712.94 ng/ml



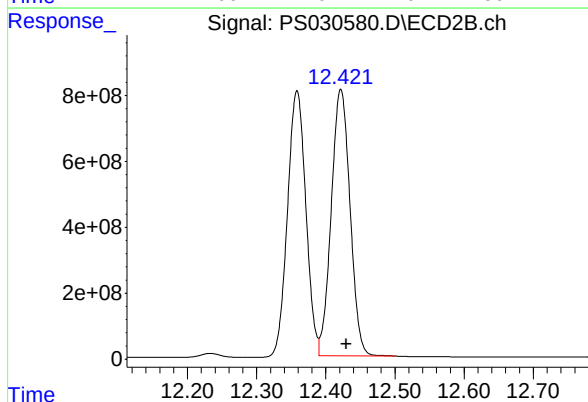
#15 Picloram

R.T.: 11.291 min
Delta R.T.: -0.015 min
Response: 12766184504
Conc: 638.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

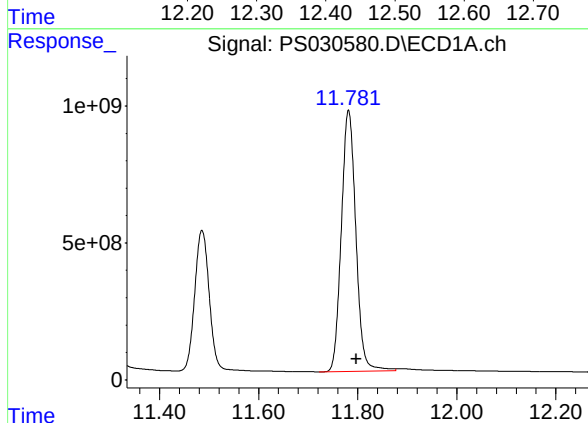
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



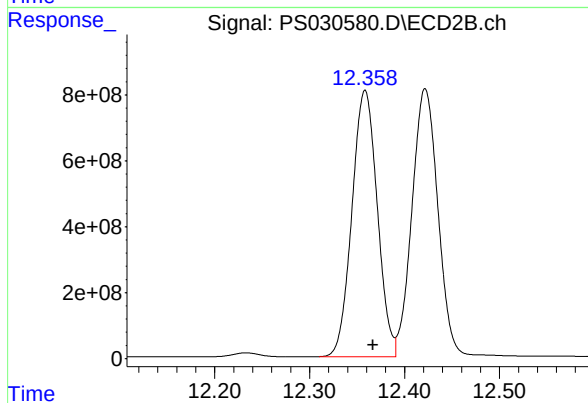
#15 Picloram

R.T.: 12.422 min
Delta R.T.: -0.008 min
Response: 15229795730
Conc: 689.63 ng/ml



#16 DCPA

R.T.: 11.781 min
Delta R.T.: -0.015 min
Response: 19407784193
Conc: 734.03 ng/ml



#16 DCPA

R.T.: 12.358 min
Delta R.T.: -0.009 min
Response: 14979015850
Conc: 732.01 ng/ml m

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q1872
Project: NJ Soil PT	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 06/04/2025 06/04/2025

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	06/04/2025	10:55	PS030475.D	7.37	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.37	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.37	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.37	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.37	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.37	0.00
IBLK	IBLK	06/04/2025	13:59	PS030482.D	7.37	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	14:23	PS030483.D	7.37	0.00
PB168207BL	PB168207BL	06/04/2025	14:47	PS030484.D	7.37	0.00
PB168207BS	PB168207BS	06/04/2025	15:12	PS030485.D	7.37	0.00
HW0425-PT-HERB-SOIL	Q1872-17	06/04/2025	15:36	PS030486.D	7.36	0.00
HW0425-PT-HERB-SOILDL	Q1872-17DL	06/04/2025	16:00	PS030487.D	7.36	0.00
IBLK	IBLK	06/04/2025	16:26	PS030488.D	7.37	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	16:50	PS030489.D	7.37	0.00
IBLK	IBLK	06/09/2025	17:22	PS030574.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/09/2025	17:46	PS030575.D	7.36	0.00
TP-3MS	Q2130-01MS	06/09/2025	18:41	PS030577.D	7.36	0.00
TP-3MSD	Q2130-01MSD	06/09/2025	19:05	PS030578.D	7.36	0.00
IBLK	IBLK	06/09/2025	19:29	PS030579.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/09/2025	19:53	PS030580.D	7.36	0.00

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q1872
Project: NJ Soil PT	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 06/04/2025 06/04/2025

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	06/04/2025	10:55	PS030475.D	7.77	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.77	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.77	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.77	0.00
IBLK	IBLK	06/04/2025	13:59	PS030482.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	14:23	PS030483.D	7.77	0.00
PB168207BL	PB168207BL	06/04/2025	14:47	PS030484.D	7.77	0.00
PB168207BS	PB168207BS	06/04/2025	15:12	PS030485.D	7.77	0.00
HW0425-PT-HERB-SOIL	Q1872-17	06/04/2025	15:36	PS030486.D	7.77	0.00
HW0425-PT-HERB-SOILDL	Q1872-17DL	06/04/2025	16:00	PS030487.D	7.77	0.00
IBLK	IBLK	06/04/2025	16:26	PS030488.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	16:50	PS030489.D	7.77	0.00
IBLK	IBLK	06/09/2025	17:22	PS030574.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/09/2025	17:46	PS030575.D	7.77	0.00
TP-3MS	Q2130-01MS	06/09/2025	18:41	PS030577.D	7.77	0.00
TP-3MSD	Q2130-01MSD	06/09/2025	19:05	PS030578.D	7.77	0.00
IBLK	IBLK	06/09/2025	19:29	PS030579.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/09/2025	19:53	PS030580.D	7.77	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

HW0425-PT-HERB-SOIL

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872

SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: Q1872-17

Date(s) Analyzed: 06/04/2025 06/04/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	528	5.5
	2	9.94	9.89	9.99	558	
2,4,5-T	1	9.70	9.65	9.75	411	1.2
	2	10.37	10.32	10.42	406	
DICHLORPROP	1	8.28	8.23	8.33	581	3.6
	2	8.70	8.65	8.75	602	
2,4-D	1	8.51	8.46	8.56	713	3.4
	2	9.03	8.98	9.08	738	
2,4-DB	1	10.28	10.23	10.33	214	48.2
	2	10.93	10.88	10.98	350	
Dinoseb	1	11.50	11.45	11.55	86.6	14.4
	2	11.32	11.27	11.37	100	
Pentachlorophenol	1	8.83	8.78	8.88	367	15.6
	2	9.56	9.51	9.61	429	
4-Nitrophenol	1	7.17	7.12	7.22	337	36.6
	2	7.31	7.26	7.36	488	
PICLORAM	1	11.30	11.25	11.35	319	6.1
	2	12.43	12.38	12.48	300	
DICAMBA	1	7.56	7.51	7.61	444	6.5
	2	7.98	7.93	8.03	474	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

HW0425-PT-HERB-SOILDL

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: Q1872-17DL

Date(s) Analyzed: 06/04/2025

06/04/2025

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		
DICHLORPROP	1	8.28	8.23	8.33	575	0.7
	2	8.70	8.65	8.75	571	
2,4-D	1	8.51	8.46	8.56	712	25
	2	9.03	8.98	9.08	554	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	545	4
	2	9.94	9.89	9.99	567	
2,4,5-T	1	9.69	9.64	9.74	410	0.2
	2	10.37	10.32	10.42	411	
2,4-DB	1	10.28	10.23	10.33	209	40.8
	2	10.94	10.89	10.99	316	
Dinoseb	1	11.50	11.45	11.55	87.4	10.3
	2	11.32	11.27	11.37	78.8	
Pentachlorophenol	1	8.82	8.77	8.87	548	13.2
	2	9.56	9.51	9.61	480	
4-Nitrophenol	1	7.17	7.12	7.22	327	25.1
	2	7.30	7.25	7.35	421	
PICLORAM	1	11.30	11.25	11.35	296	4.8
	2	12.43	12.38	12.48	282	
DICAMBA	1	7.56	7.51	7.61	453	1.1
	2	7.98	7.93	8.03	458	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168207BS

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: PB168207BS

Date(s) Analyzed: 06/04/2025

06/04/2025

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	2.72	2.67	2.77	154	2.6
	2	2.71	2.66	2.76	150	
MCPA	1	7.89	7.84	7.94	15.1	3.9
	2	8.32	8.27	8.37	15.7	
DICHLORPROP	1	8.28	8.23	8.33	160	2.5
	2	8.70	8.65	8.75	156	
2,4-D	1	8.51	8.46	8.56	160	1.9
	2	9.03	8.98	9.08	157	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	165	3.7
	2	9.94	9.89	9.99	159	
2,4,5-T	1	9.70	9.65	9.75	163	2.5
	2	10.37	10.32	10.42	159	
2,4-DB	1	10.28	10.23	10.33	158	0
	2	10.93	10.88	10.98	158	
Dinoseb	1	11.50	11.45	11.55	162	3.8
	2	11.32	11.27	11.37	156	
Pentachlorophenol	1	8.82	8.77	8.87	177	8.8
	2	9.56	9.51	9.61	162	
4-Nitrophenol	1	7.17	7.12	7.22	154	3.3
	2	7.30	7.25	7.35	149	
PICLORAM	1	11.30	11.25	11.35	150	0
	2	12.43	12.38	12.48	150	
3,5-DICHLOROBENZOIC ACID	1	6.52	6.47	6.57	160	3.8
	2	6.72	6.67	6.77	154	
DICAMBA	1	7.56	7.51	7.61	161	3.8
	2	7.98	7.93	8.03	155	
MCPD	1	7.74	7.69	7.79	15.1	2
	2	8.08	8.03	8.13	15.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168207BS

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: PB168207BS

Date(s) Analyzed: 06/04/2025 06/04/2025

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	11.79	11.74	11.84	168	4.3
	2	12.37	12.32	12.42	161	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-3MS

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: Q2130-01MS

Date(s) Analyzed: 06/09/2025

06/09/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column: (2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	9.69	9.64	9.74	79.9	2.8
	2	10.36	10.31	10.41	82.2	
2,4,5-TP(Silvex)	1	9.39	9.34	9.44	88.2	5.2
	2	9.94	9.89	9.99	92.9	
2,4-D	1	8.50	8.45	8.55	99.5	16.1
	2	9.03	8.98	9.08	84.7	
2,4-DB	1	10.27	10.22	10.32	46.7	46.6
	2	10.93	10.88	10.98	75.1	
4-Nitrophenol	1	7.16	7.11	7.21	75.8	3.9
	2	7.30	7.25	7.35	78.8	
3,5-DICHLOROBENZOIC ACID	1	6.52	6.47	6.57	88.0	2.2
	2	6.71	6.66	6.76	86.1	
Dalapon	1	2.71	2.66	2.76	27.6	157
	2	2.70	2.65	2.75	229	
MCPA	1	7.88	7.83	7.93	7.10	5.5
	2	8.32	8.27	8.37	7.50	
DICHLORPROP	1	8.27	8.22	8.32	93.1	1.7
	2	8.69	8.64	8.74	91.5	
Dinoseb	1	11.49	11.44	11.54	16.3	21.9
	2	11.32	11.27	11.37	20.3	
Pentachlorophenol	1	8.81	8.76	8.86	93.0	11.4
	2	9.55	9.50	9.60	83.0	
DICAMBA	1	7.55	7.50	7.60	82.9	5.7
	2	7.97	7.92	8.02	78.3	
MCPP	1	7.73	7.68	7.78	6.40	8.1
	2	8.07	8.02	8.12	5.90	
DCPA	1	11.78	11.73	11.83	68.7	19.1
	2	12.36	12.31	12.41	83.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-3MS

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: Q2130-01MS

Date(s) Analyzed: 06/09/2025 06/09/2025

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		
PICLORAM	1	11.29	11.24	11.34	60.2	1.5
	2	12.42	12.37	12.47	61.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-3MSD

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872

SAS No.: Q1872 SDG NO.: Q1872

Lab Sample ID: Q2130-01MSD

Date(s) Analyzed: 06/09/2025 06/09/2025

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	2.71	2.66	2.76	26.8	157.3
	2	2.70	2.65	2.75	224	
MCPA	1	7.88	7.83	7.93	7.10	4.1
	2	8.32	8.27	8.37	7.40	
DICHLORPROP	1	8.27	8.22	8.32	92.4	1.4
	2	8.69	8.64	8.74	91.1	
2,4-D	1	8.50	8.45	8.55	99.3	4.8
	2	9.03	8.98	9.08	94.6	
2,4,5-TP(Silvex)	1	9.39	9.34	9.44	87.6	4.9
	2	9.93	9.88	9.98	92.0	
2,4,5-T	1	9.69	9.64	9.74	80.3	1.6
	2	10.36	10.31	10.41	81.6	
2,4-DB	1	10.27	10.22	10.32	44.9	49.7
	2	10.93	10.88	10.98	74.6	
Dinoseb	1	11.49	11.44	11.54	16.3	20.9
	2	11.32	11.27	11.37	20.1	
Pentachlorophenol	1	8.81	8.76	8.86	91.8	11.3
	2	9.55	9.50	9.60	82.0	
4-Nitrophenol	1	7.16	7.11	7.21	76.0	3.2
	2	7.30	7.25	7.35	78.5	
PICLORAM	1	11.29	11.24	11.34	60.9	2
	2	12.42	12.37	12.47	59.7	
3,5-DICHLOROBENZOIC ACID	1	6.52	6.47	6.57	86.9	1.5
	2	6.71	6.66	6.76	85.6	
DICAMBA	1	7.55	7.50	7.60	82.5	5.5
	2	7.97	7.92	8.02	78.1	
MCP	1	7.73	7.68	7.78	6.90	17.3
	2	8.07	8.02	8.12	5.80	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-3MSD

Contract: ALLI03

Lab Code: CHEM Case No.: Q1872

SAS No.: Q1872

SDG NO.: Q1872

Lab Sample ID: Q2130-01MSD

Date(s) Analyzed: 06/09/2025 06/09/2025

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	11.78	11.73	11.83	68.2	18.3
	2	12.36	12.31	12.41	81.9	



QC SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB168207BL	SDG No.:	Q1872
Lab Sample ID:	PB168207BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030484.D	1	05/30/25 08:20	06/04/25 14:47	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
93-65-2	MCPP	0.95	U	0.95	6.70	ug/Kg
1918-00-9	DICAMBA	7.70	U	7.70	67.0	ug/Kg
75-99-0	DALAPON	17.5	U	17.5	67.0	ug/Kg
94-74-6	MCPA	2.50	U	2.50	6.70	ug/Kg
120-36-5	DICHLORPROP	12.8	U	12.8	67.0	ug/Kg
94-75-7	2,4-D	9.00	U	9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.10	U	9.10	67.0	ug/Kg
93-76-5	2,4,5-T	8.70	U	8.70	67.0	ug/Kg
94-82-6	2,4-DB	24.2	U	24.2	67.0	ug/Kg
88-85-7	DINOSEB	10.8	U	10.8	67.0	ug/Kg
87-86-5	Pentachlorophenol	12.6	U	12.6	67.0	ug/Kg
100-02-7	4-Nitrophenol	18.4	U	18.4	67.0	ug/Kg
1918-02-1	PICLORAM	9.80	U	9.80	67.0	ug/Kg
1861-32-1	DCPA	17.9	U	17.9	67.0	ug/Kg
51-36-5	3,5-DICHLOROBENZOIC AC	9.40	U	9.40	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	436		10 - 141	87%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB168207BL	SDG No.:	Q1872
Lab Sample ID:	PB168207BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030484.D	1	05/30/25 08:20	06/04/25 14:47	PB168207

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\PS060425\
 Data File : PS030484.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 14:47
 Operator : AR\AJ
 Sample : PB168207BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB168207BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 15:10:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.367	7.772	1644.9E6	462.4E6	435.731	429.872
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Target Compounds

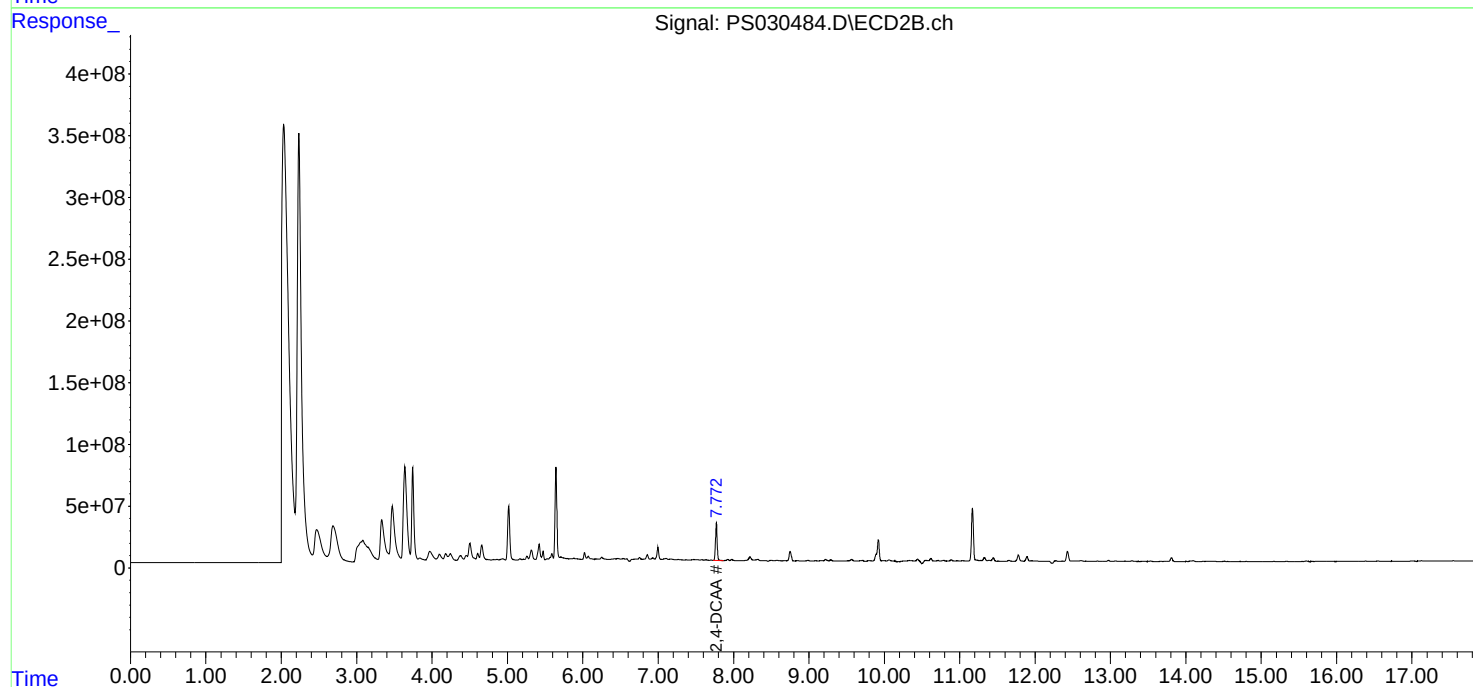
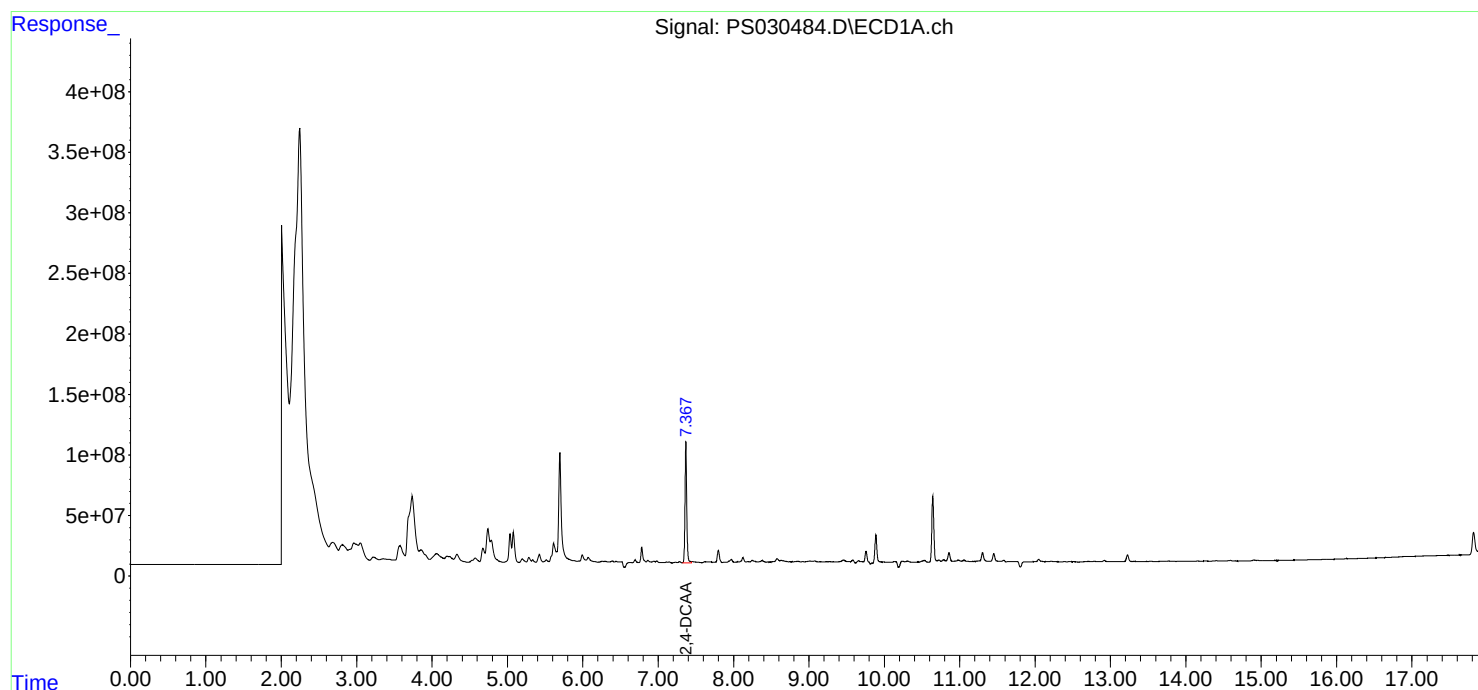
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

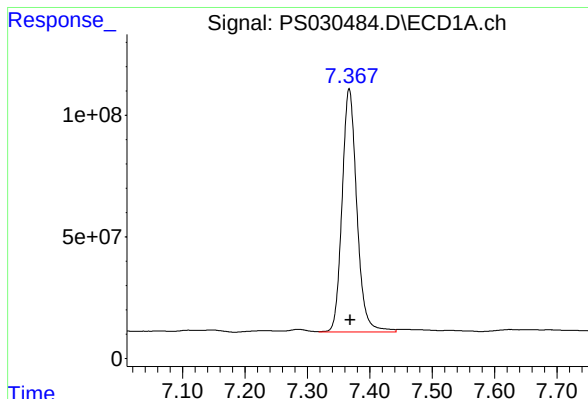
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 14:47
Operator : AR\AJ
Sample : PB168207BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168207BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 15:10:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial 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

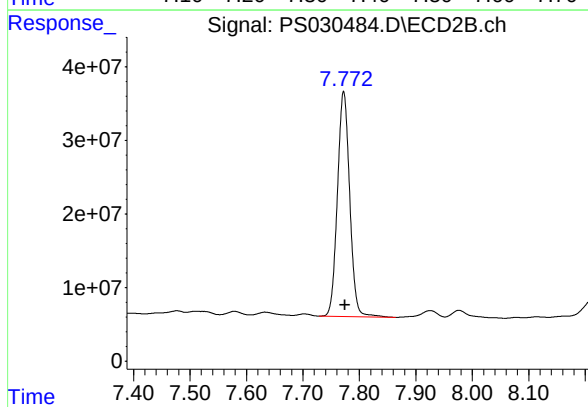




#4 2,4-DCAA

R.T.: 7.367 min
Delta R.T.: -0.002 min
Response: 1644946887
Conc: 435.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168207BL



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.002 min
Response: 462375075
Conc: 429.87 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	06/04/25	
Project:	NJ Soil PT		Date Received:	06/04/25	
Client Sample ID:	PIBLK-PS030475.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PS030475.D		Matrix:	WATER	
Analytical Method:	8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030475.D	1		06/04/25	PS060425

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	445		61 - 136	89%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	06/04/25	
Project:	NJ Soil PT		Date Received:	06/04/25	
Client Sample ID:	PIBLK-PS030475.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PS030475.D		Matrix:	WATER	
Analytical Method:	8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030475.D	1		06/04/25	PS060425

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\PS060425\
Data File : PS030475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:55
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: Jun 04 13:22:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial 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	7.370	7.773	1564.7E6	478.3E6	414.469	444.721
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Target Compounds

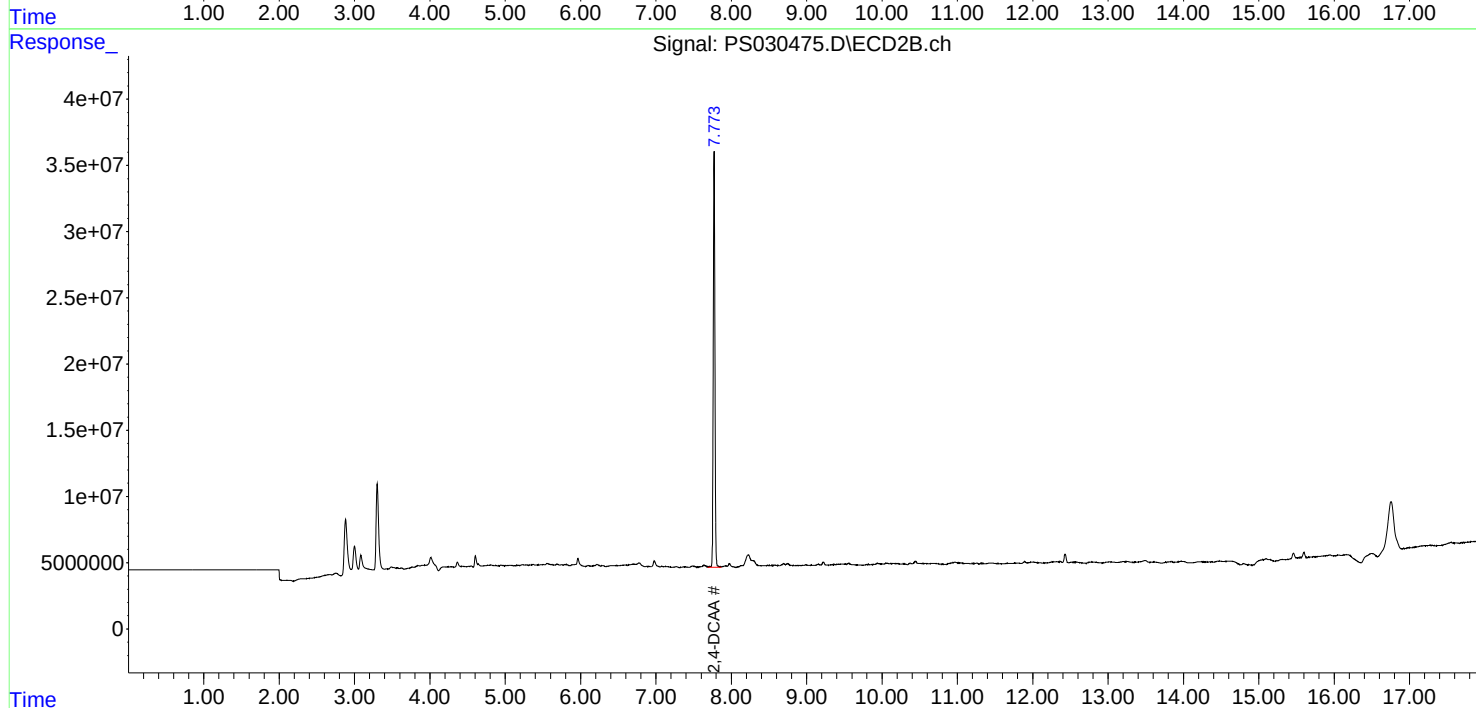
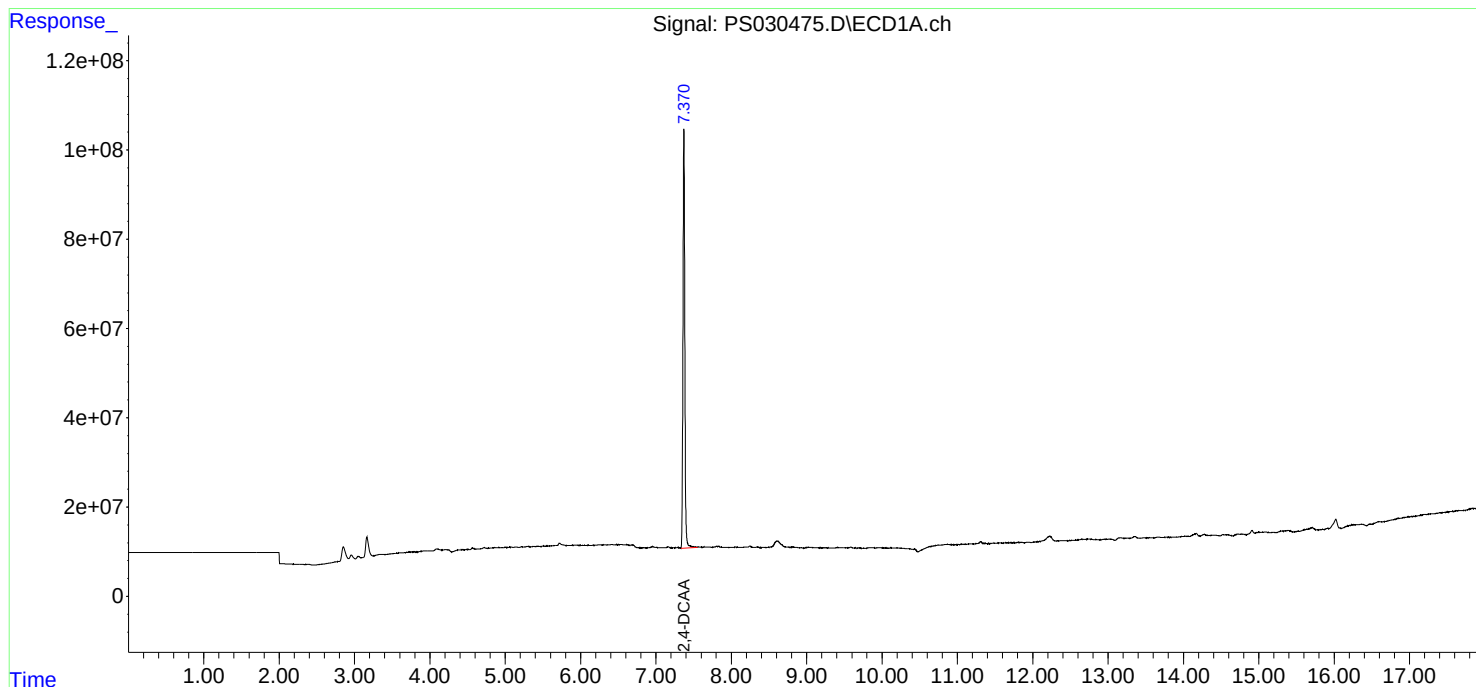
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

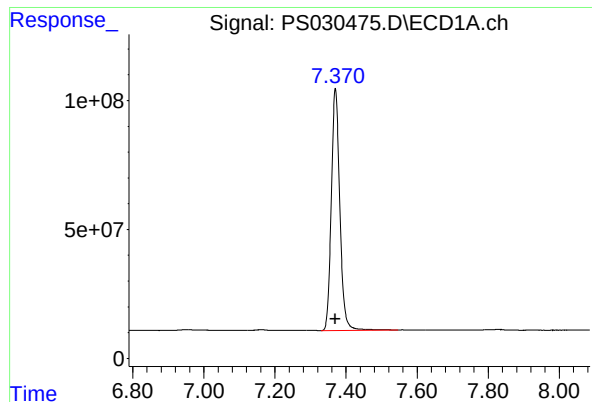
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:22:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial 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.: 7.370 min

Delta R.T.: 0.001 min

Response: 1564680230

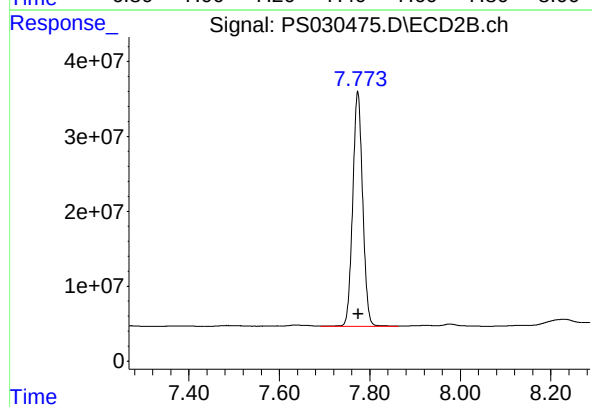
Conc: 414.47 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.773 min

Delta R.T.: -0.001 min

Response: 478346753

Conc: 444.72 ng/ml

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	06/04/25	
Project:	NJ Soil PT			Date Received:	06/04/25	
Client Sample ID:	PIBLK-PS030482.D			SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PS030482.D			Matrix:	WATER	
Analytical Method:	8151A			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Herbicide Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	SW3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030482.D	1		06/04/25	PS060425

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	449		61 - 136	90%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	06/04/25
Project:	NJ Soil PT	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030482.D	SDG No.:	Q1872
Lab Sample ID:	I.BLK-PS030482.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
Prep Method :	SW3510C	Test:	Herbicide Group1
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030482.D	1		06/04/25	PS060425

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\PS060425\
Data File : PS030482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 13:59
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: Jun 04 14:19:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.368	7.773	1677.2E6	483.5E6	444.285	449.466

Target Compounds

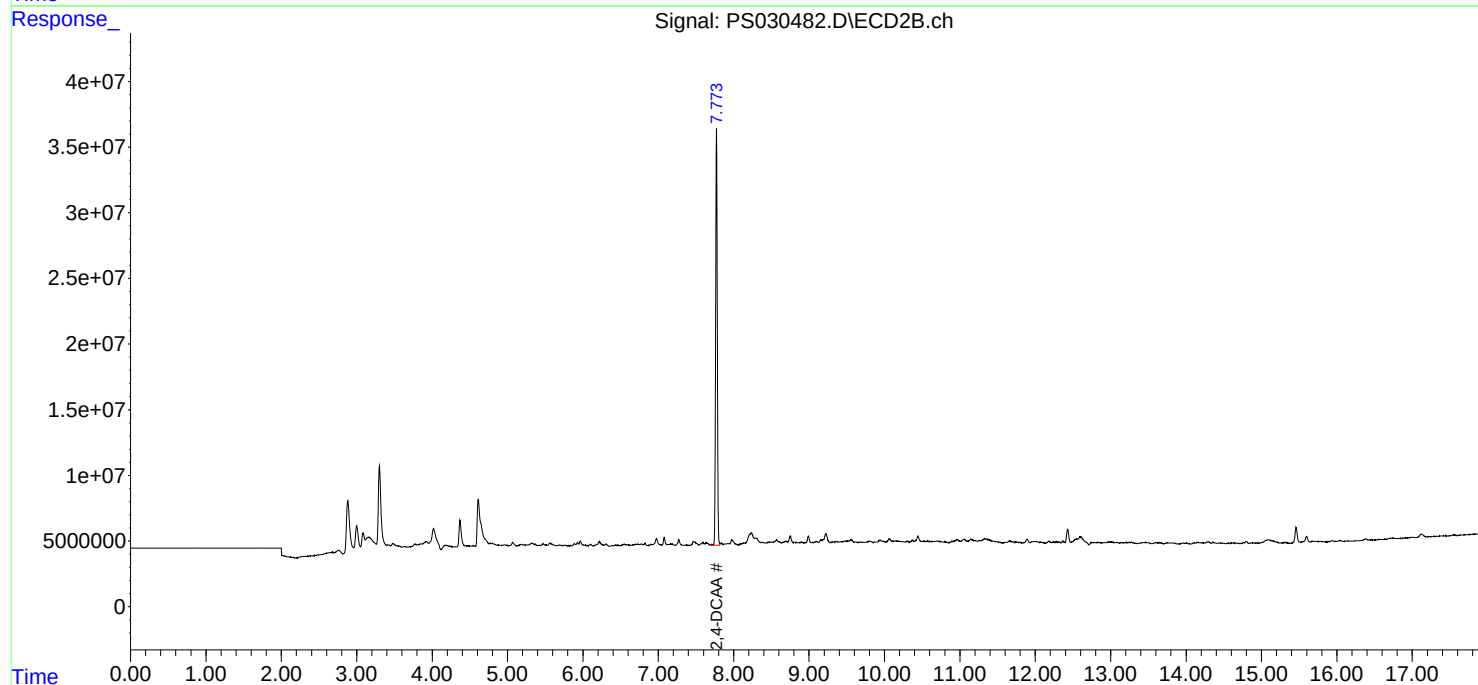
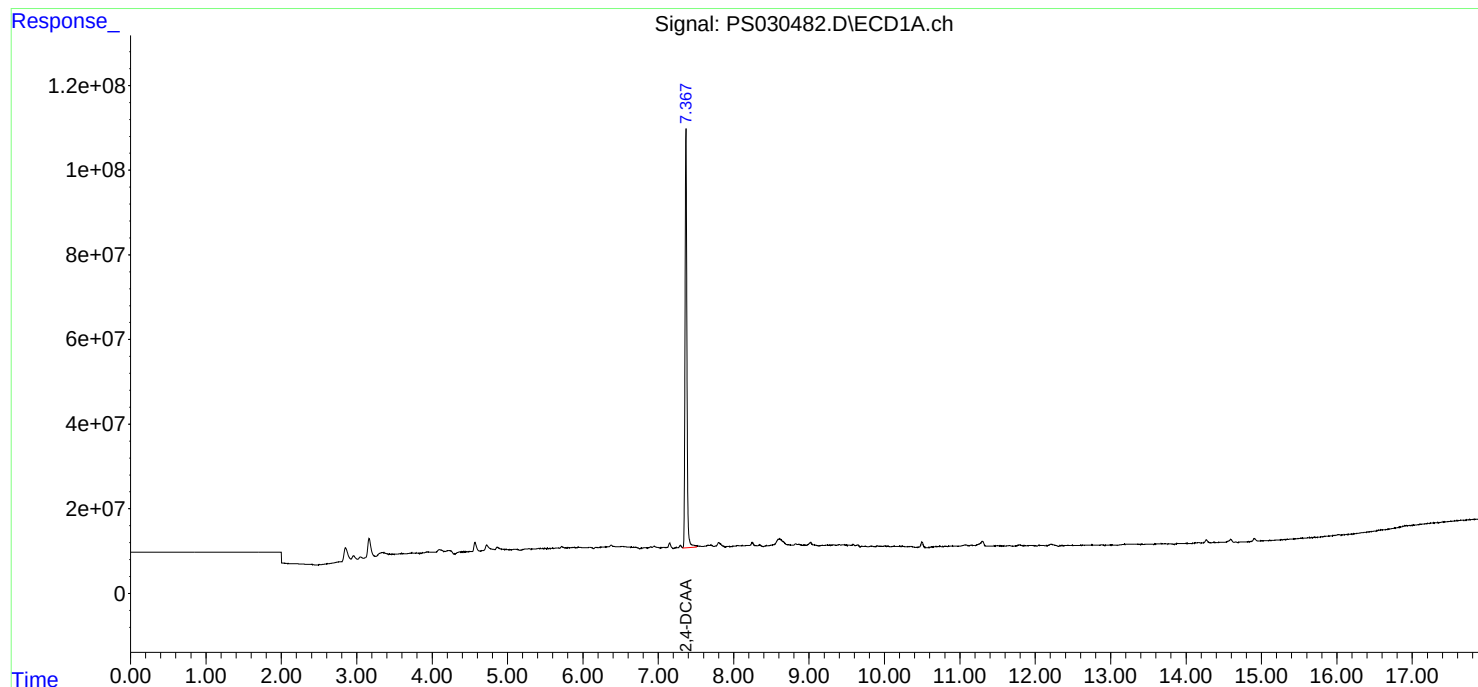
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

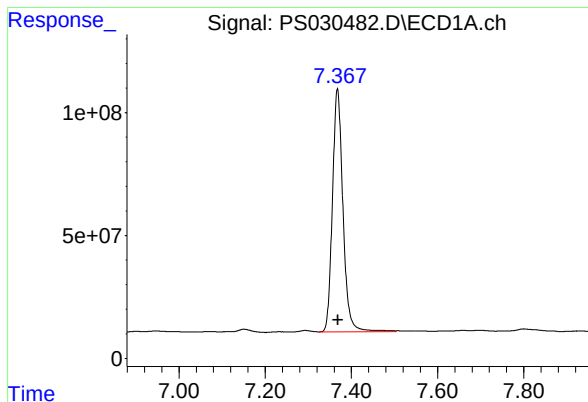
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 13:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:19:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial 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.: 7.368 min

Delta R.T.: -0.001 min

Response: 1677241109

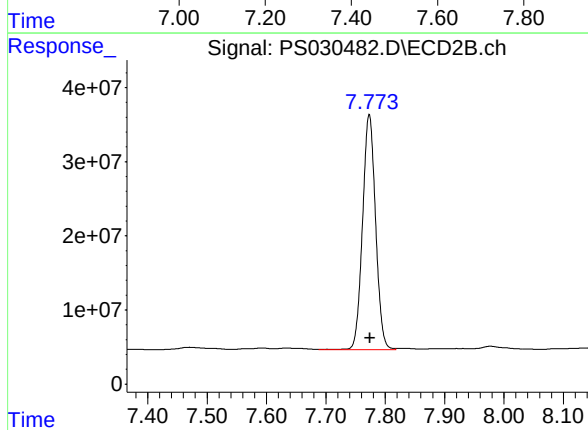
Conc: 444.29 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.773 min

Delta R.T.: -0.001 min

Response: 483450243

Conc: 449.47 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	06/04/25	
Project:	NJ Soil PT		Date Received:	06/04/25	
Client Sample ID:	PIBLK-PS030488.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PS030488.D		Matrix:	WATER	
Analytical Method:	8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030488.D	1		06/04/25	PS060425

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	451		61 - 136	90%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	06/04/25	
Project:	NJ Soil PT			Date Received:	06/04/25	
Client Sample ID:	PIBLK-PS030488.D			SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PS030488.D			Matrix:	WATER	
Analytical Method:	8151A			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Herbicide Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	SW3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030488.D	1		06/04/25	PS060425

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\PS060425\
Data File : PS030488.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 16:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 17:03:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.366	7.771	1646.3E6	485.2E6	436.078	451.086

Target Compounds

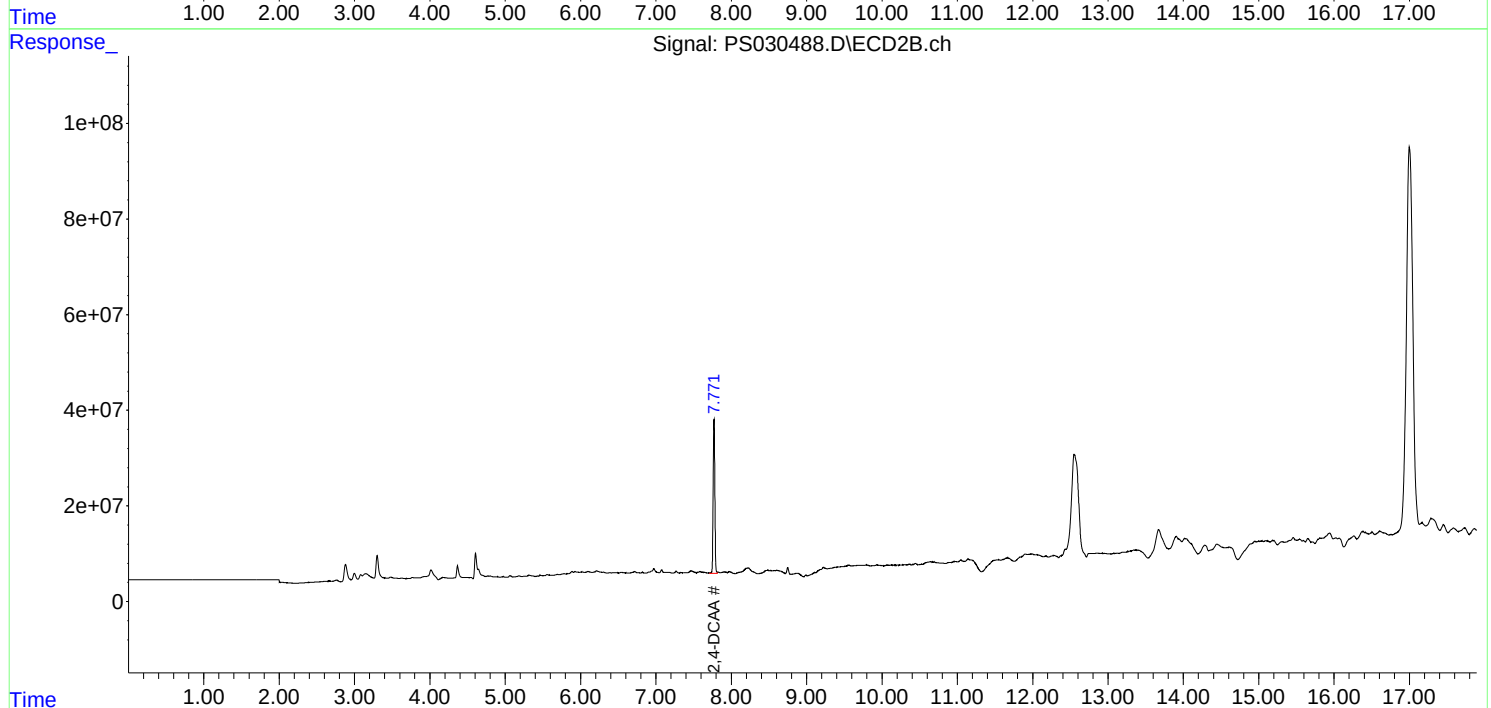
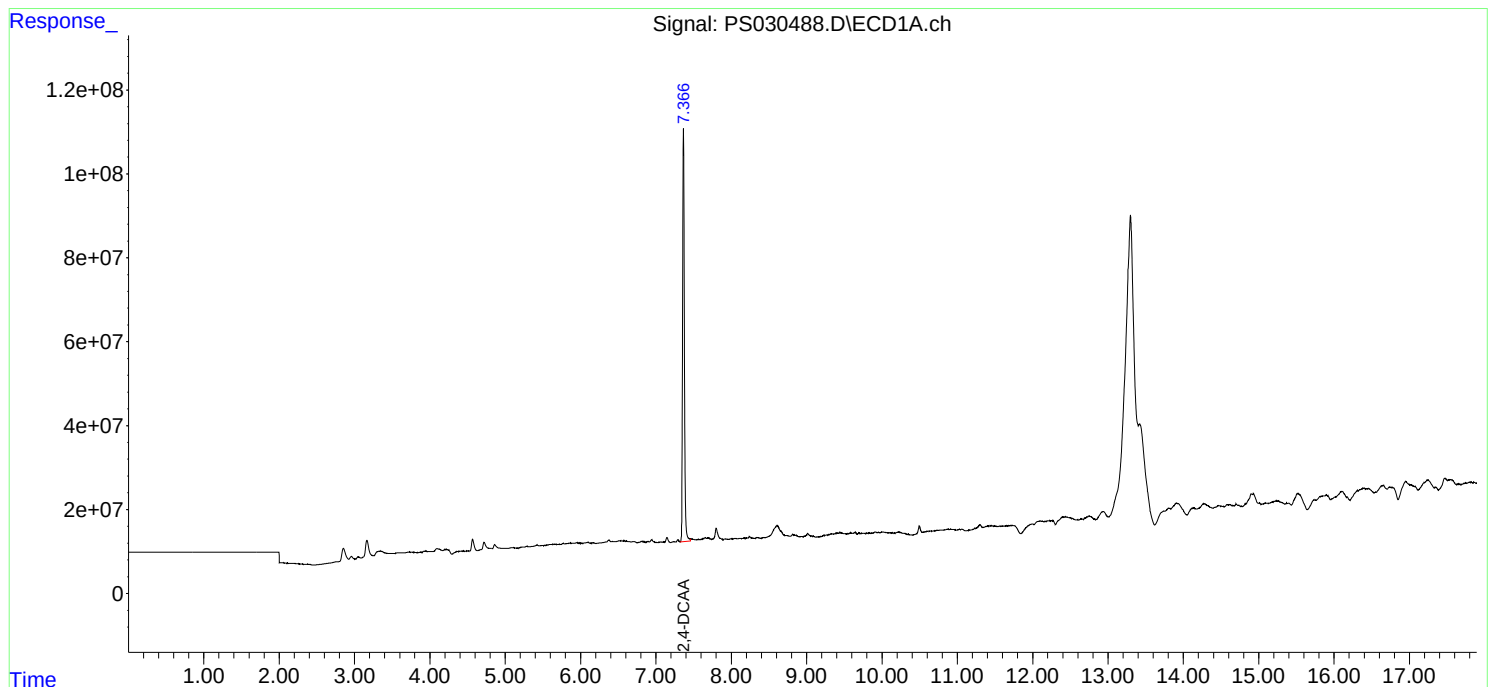
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

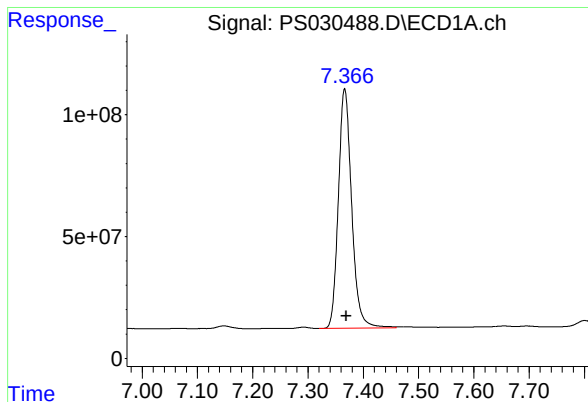
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030488.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 16:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 17:03:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial 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.: 7.366 min

Delta R.T.: -0.003 min

Response: 1646257451

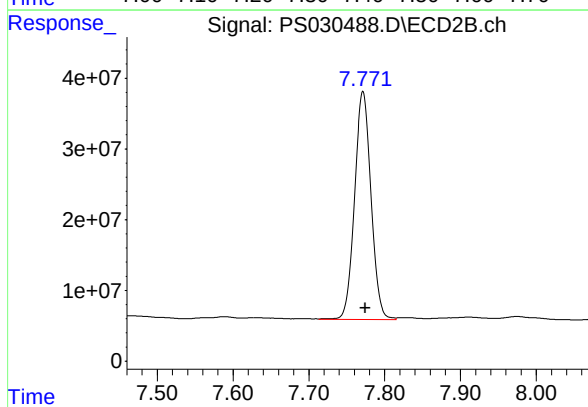
Conc: 436.08 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.771 min

Delta R.T.: -0.003 min

Response: 485192941

Conc: 451.09 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	06/09/25	
Project:	NJ Soil PT		Date Received:	06/09/25	
Client Sample ID:	PIBLK-PS030574.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PS030574.D		Matrix:	WATER	
Analytical Method:	8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030574.D	1		06/09/25	ps060925

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	454		61 - 136	91%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	06/09/25	
Project:	NJ Soil PT		Date Received:	06/09/25	
Client Sample ID:	PIBLK-PS030574.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PS030574.D		Matrix:	WATER	
Analytical Method:	8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030574.D	1		06/09/25	ps060925

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\PS060925\
 Data File : PS030574.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 17:22
 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: Jun 10 02:55:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.361	7.769	1648.7E6	488.1E6	436.726	453.771
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Target Compounds

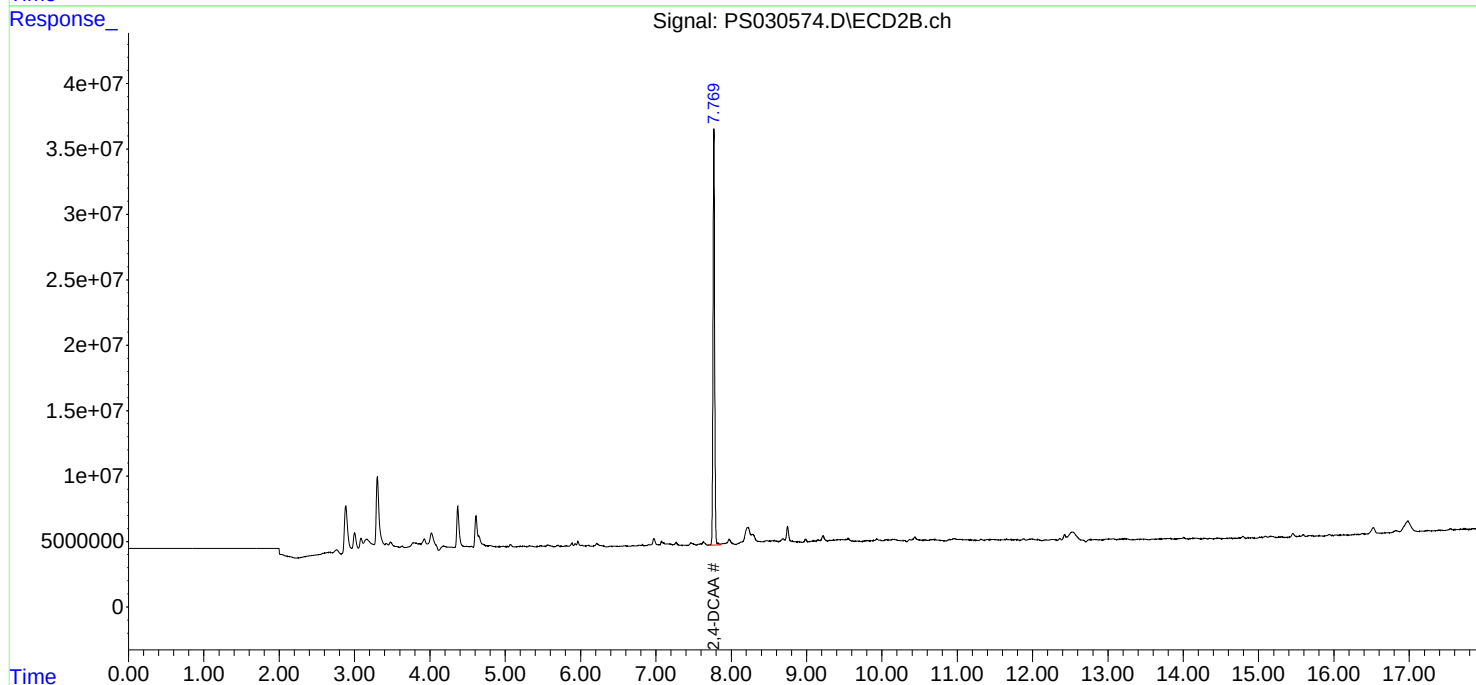
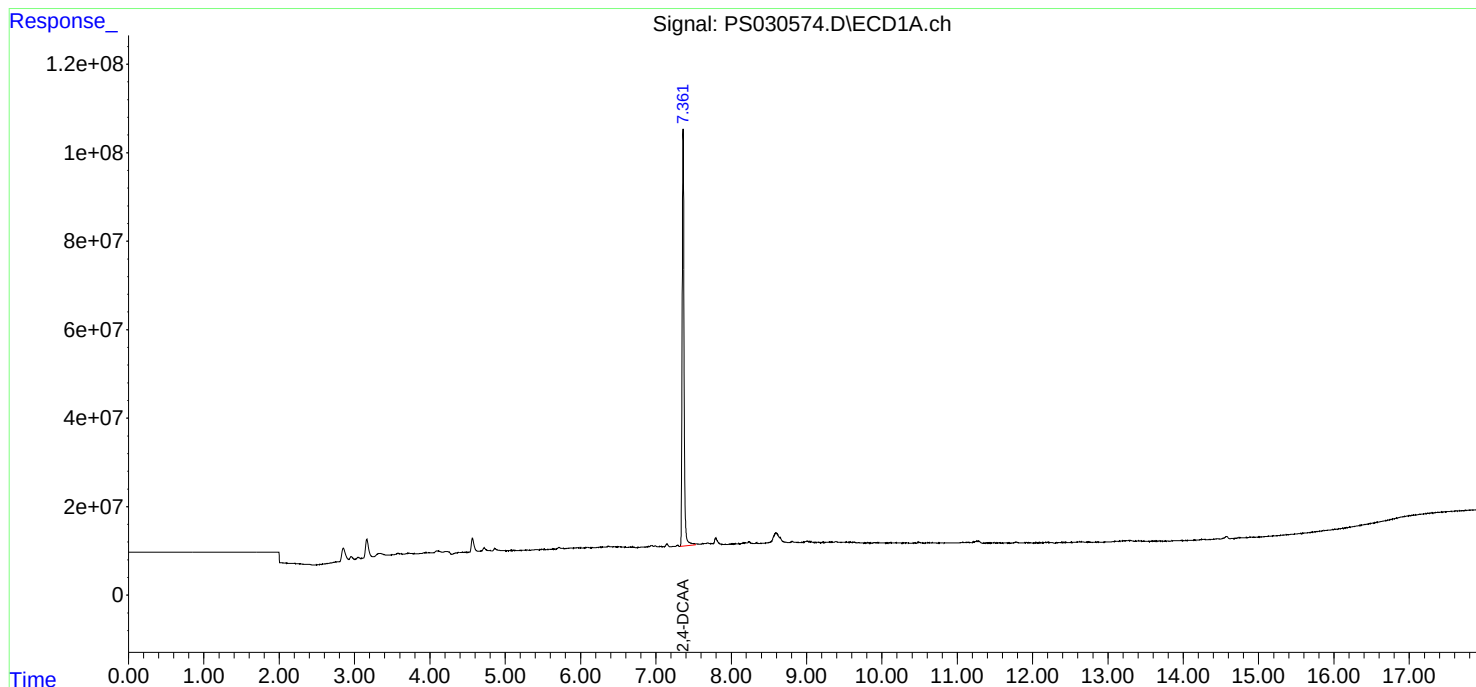
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

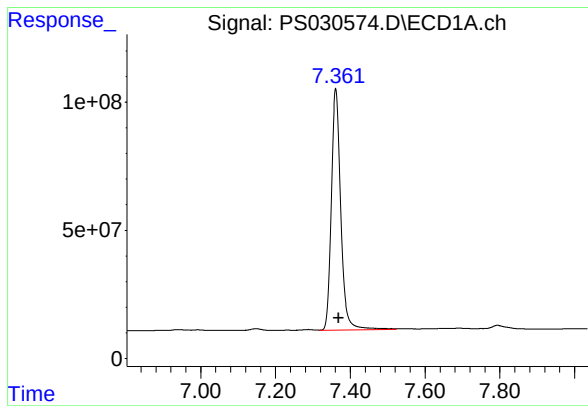
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
Data File : PS030574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 17:22
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:55:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial 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.: 7.361 min

Delta R.T.: -0.008 min

Response: 1648705343

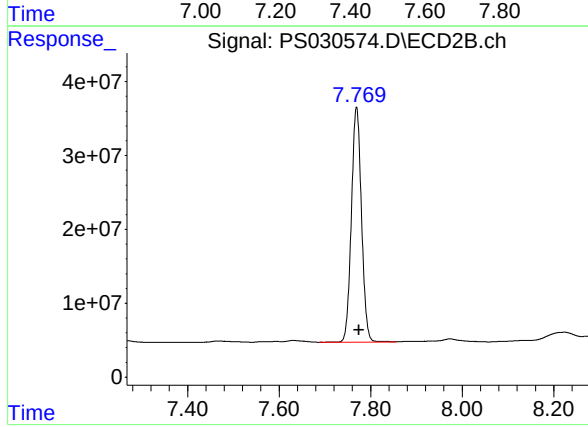
Conc: 436.73 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.769 min

Delta R.T.: -0.005 min

Response: 488080548

Conc: 453.77 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	06/09/25	
Project:	NJ Soil PT		Date Received:	06/09/25	
Client Sample ID:	PIBLK-PS030579.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PS030579.D		Matrix:	WATER	
Analytical Method:	8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030579.D	1		06/09/25	ps060925

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	466		61 - 136	93%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	06/09/25	
Project:	NJ Soil PT		Date Received:	06/09/25	
Client Sample ID:	PIBLK-PS030579.D		SDG No.:	Q1872	
Lab Sample ID:	I.BLK-PS030579.D		Matrix:	WATER	
Analytical Method:	8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030579.D	1		06/09/25	ps060925

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\PS060925\
 Data File : PS030579.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 19:29
 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: Jun 10 02:56:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.361	7.770	1697.8E6	500.7E6	449.737	465.539

Target Compounds

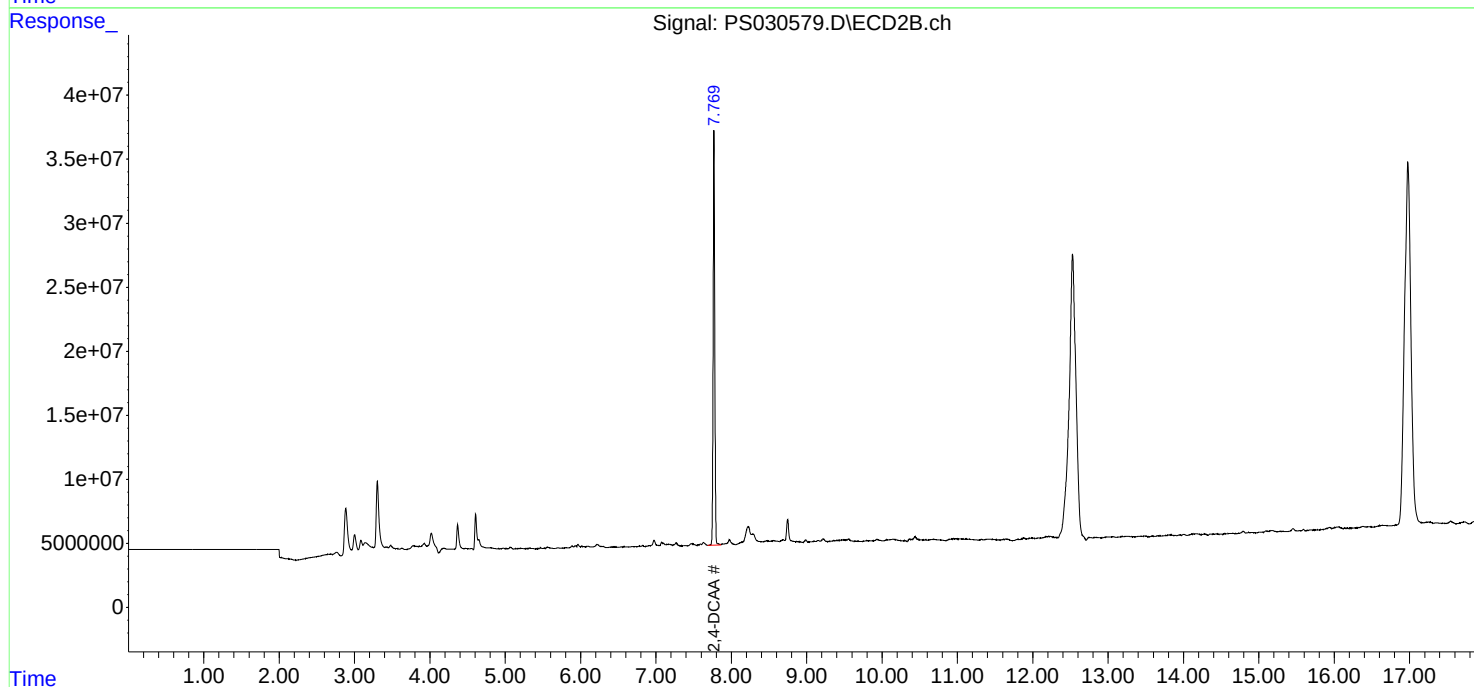
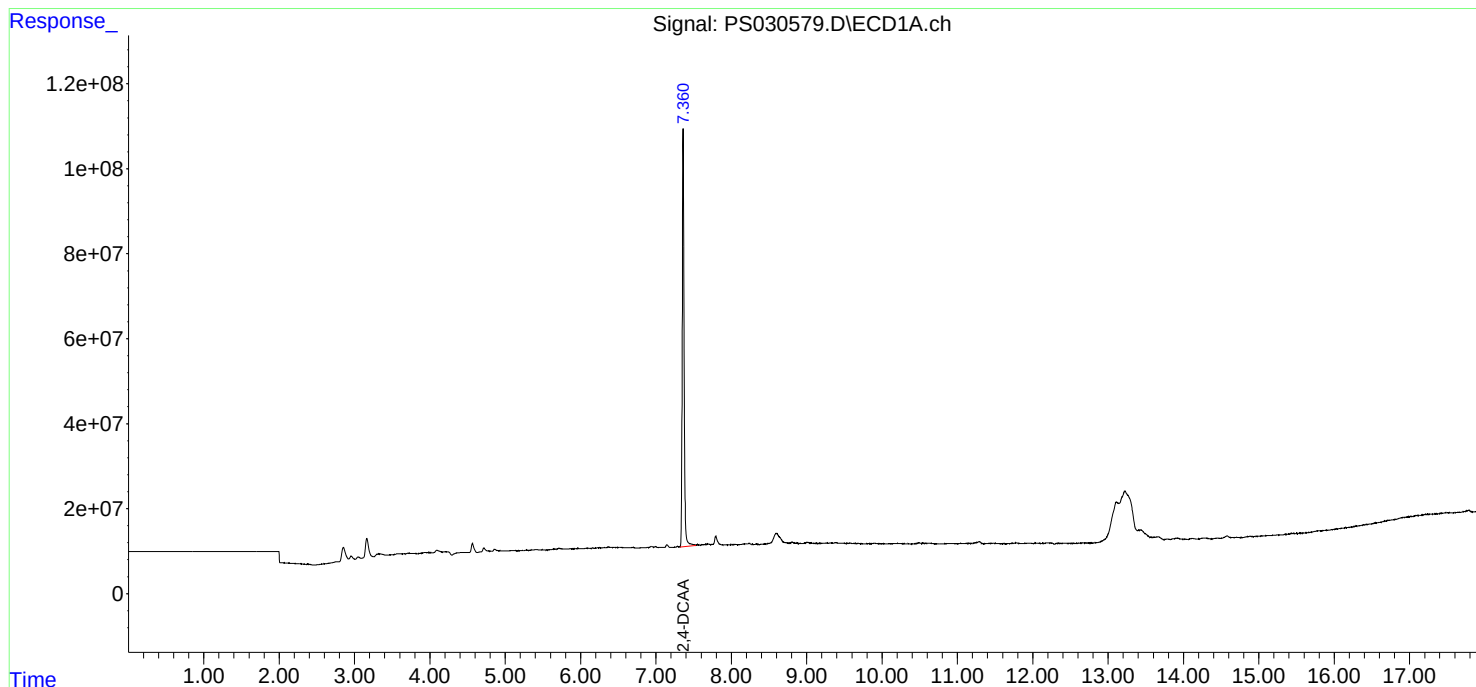
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

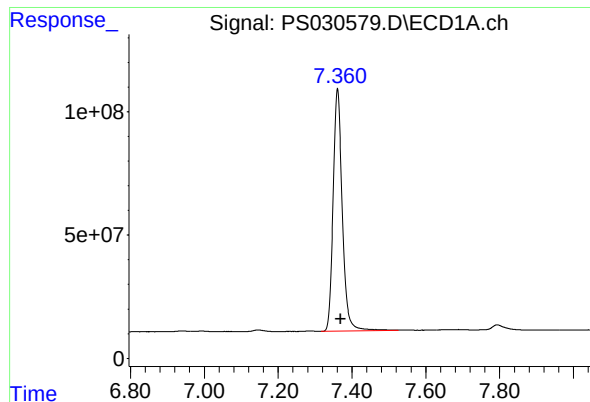
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
Data File : PS030579.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 19:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:56:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial 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.: 7.361 min

Delta R.T.: -0.008 min

Response: 1697822792

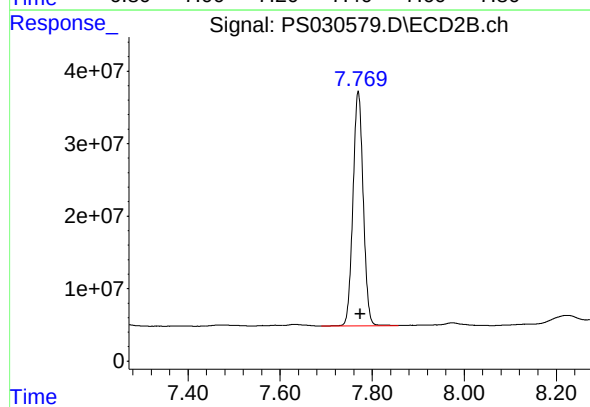
Conc: 449.74 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.770 min

Delta R.T.: -0.005 min

Response: 500738232

Conc: 465.54 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB168207BS	SDG No.:	Q1872
Lab Sample ID:	PB168207BS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030485.D	1	05/30/25 08:20	06/04/25 15:12	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
93-65-2	MCPP	15.4		0.95	6.70	ug/Kg
1918-00-9	DICAMBA	161		7.70	67.0	ug/Kg
75-99-0	DALAPON	154		17.5	67.0	ug/Kg
94-74-6	MCPA	15.7		2.50	6.70	ug/Kg
120-36-5	DICHLORPROP	160		12.8	67.0	ug/Kg
94-75-7	2,4-D	160		9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	165		9.10	67.0	ug/Kg
93-76-5	2,4,5-T	163		8.70	67.0	ug/Kg
94-82-6	2,4-DB	158		24.2	67.0	ug/Kg
88-85-7	DINOSEB	162		10.8	67.0	ug/Kg
87-86-5	Pentachlorophenol	177		12.6	67.0	ug/Kg
100-02-7	4-Nitrophenol	154		18.4	67.0	ug/Kg
1918-02-1	PICLORAM	150		9.80	67.0	ug/Kg
1861-32-1	DCPA	168		17.9	67.0	ug/Kg
51-36-5	3,5-DICHLOROBENZOIC AC	160		9.40	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	527		10 - 141	105%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	PB168207BS		SDG No.:	Q1872	
Lab Sample ID:	PB168207BS		Matrix:	SOIL	
Analytical Method:	8151A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030485.D	1	05/30/25 08:20	06/04/25 15:12	PB168207

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\PS060425\
 Data File : PS030485.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 15:12
 Operator : AR\AJ
 Sample : PB168207BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB168207BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 15:43:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.367	7.773	1989.2E6	530.4E6	526.930m	493.135
Target Compounds							
1) T	Dalapon	2.715	2.712	2611.4E6	1233.4E6	462.447	450.146
2) T	3,5-DICHL...	6.523	6.716	2601.5E6	725.3E6	479.414	463.662
3) T	4-Nitroph...	7.166	7.303	848.5E6	701.4E6	462.728	447.564
5) T	DICAMBA	7.559	7.977	7469.4E6	2992.9E6	484.318	464.621
6) T	MCPPE	7.741	8.075	450.3E6	107.1E6	45.461	46.328
7) T	MCPA	7.891	8.323	574.5E6	145.6E6	45.275	47.179m
8) T	DICHLORPROP	8.276	8.697	1746.1E6	695.8E6	479.936	468.776
9) T	2,4-D	8.509	9.033	1755.0E6	740.0E6	481.678	470.641
10) T	Pentachlo...	8.818	9.560	26971.2E6	17602.3E6	531.073	487.086
11) T	2,4,5-TP ...	9.400	9.940	10265.9E6	6543.0E6	496.776	477.011
12) T	2,4,5-T	9.696	10.367	9024.1E6	6223.0E6	489.616	476.596
13) T	2,4-DB	10.276	10.934	1442.1E6	544.7E6	474.944	473.798
14) T	DINOSEB	11.498	11.320	7002.9E6	4709.6E6	487.164	468.610
15) T	Picloram	11.303	12.428	8978.6E6	9976.2E6	448.822	451.741
16) T	DCPA	11.793	12.365	13352.2E6	9882.0E6	504.998	482.922

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 15:12
Operator : AR\AJ
Sample : PB168207BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB168207BS

Manual Integrations

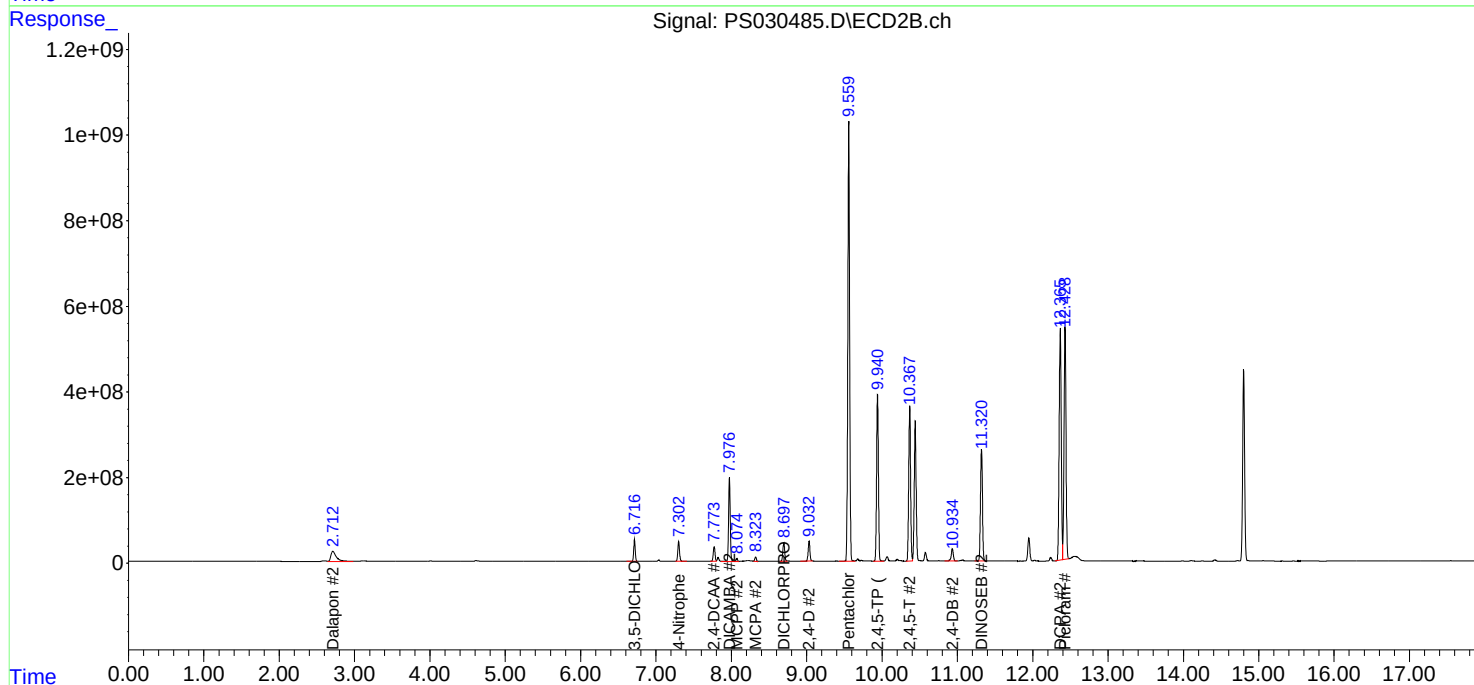
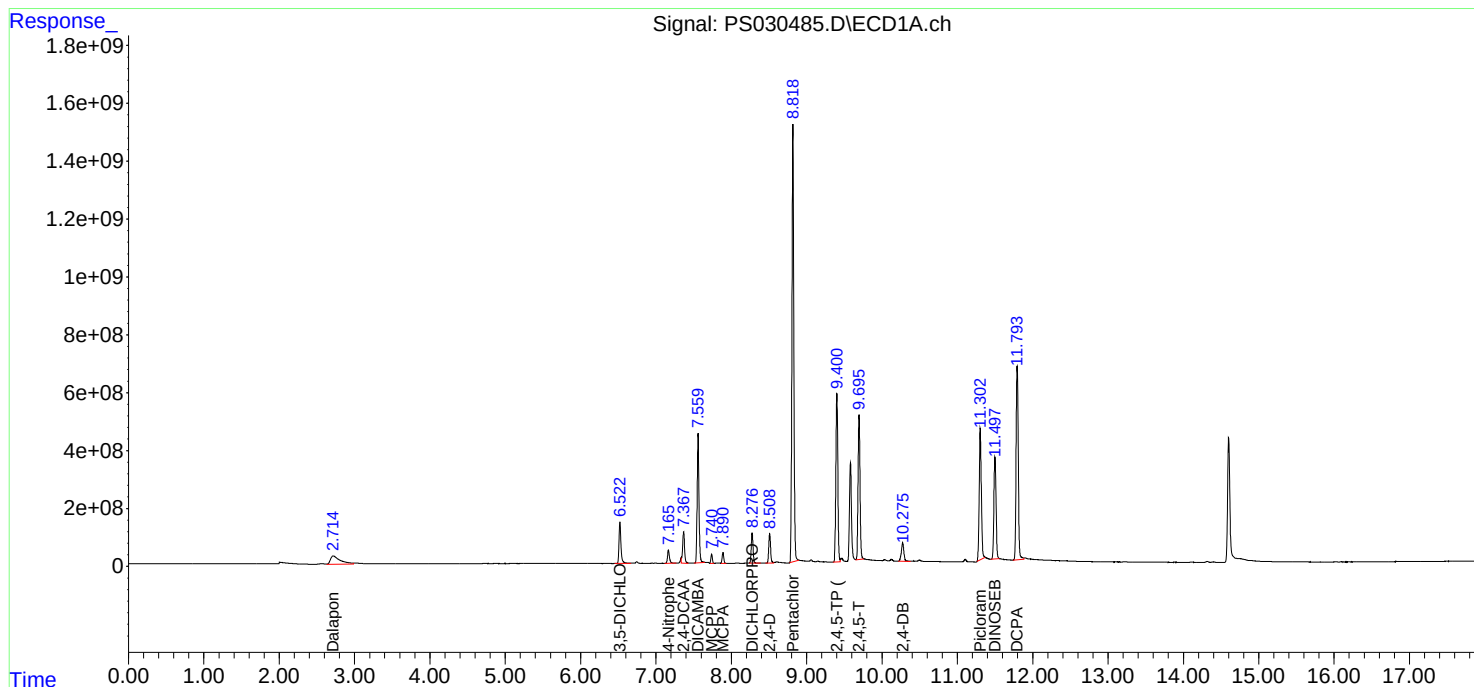
APPROVED

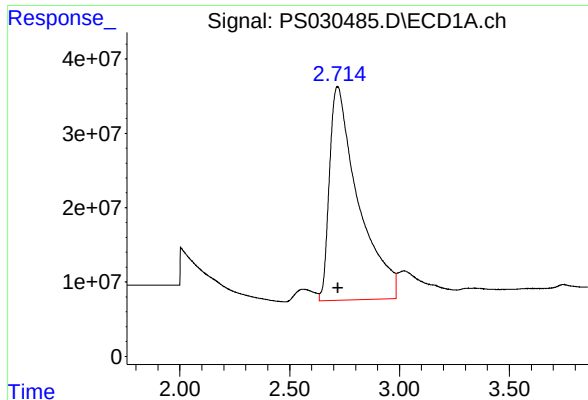
Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 15:43:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





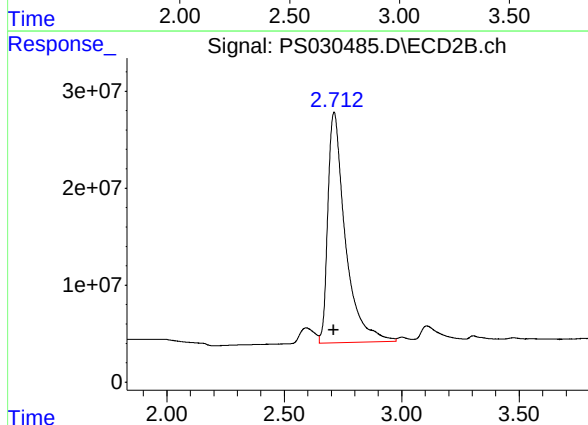
#1 Dalapon

R.T.: 2.715 min
Delta R.T.: -0.005 min
Response: 2611422562
Conc: 462.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168207BS

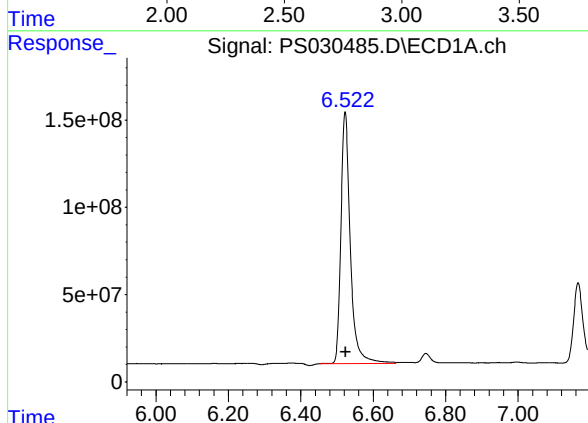
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
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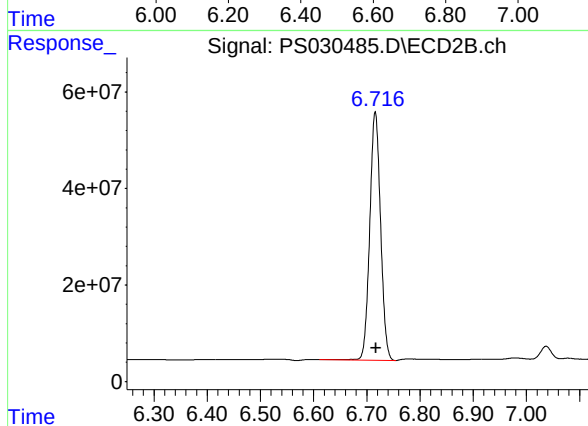
#1 Dalapon

R.T.: 2.712 min
Delta R.T.: 0.002 min
Response: 1233406714
Conc: 450.15 ng/ml



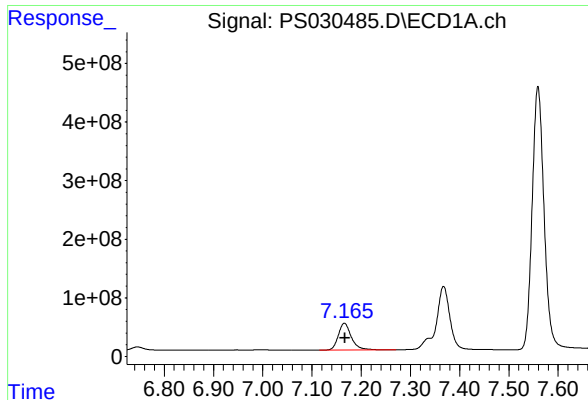
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.523 min
Delta R.T.: -0.001 min
Response: 2601466808
Conc: 479.41 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: -0.001 min
Response: 725282178
Conc: 463.66 ng/ml



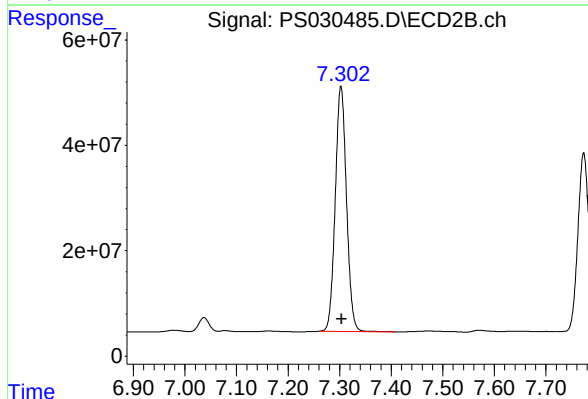
#3 4-Nitrophenol

R.T.: 7.166 min
Delta R.T.: -0.001 min
Response: 848529898
Conc: 462.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168207BS

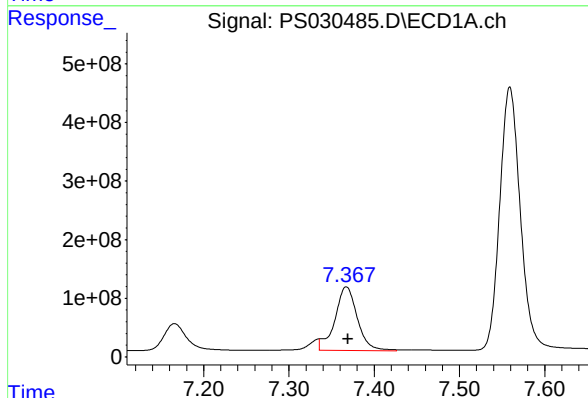
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



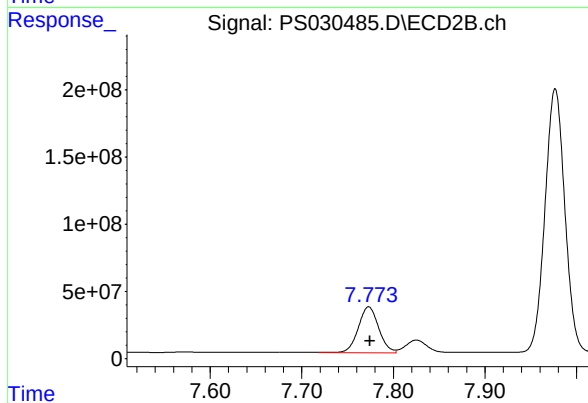
#3 4-Nitrophenol

R.T.: 7.303 min
Delta R.T.: -0.001 min
Response: 701440714
Conc: 447.56 ng/ml



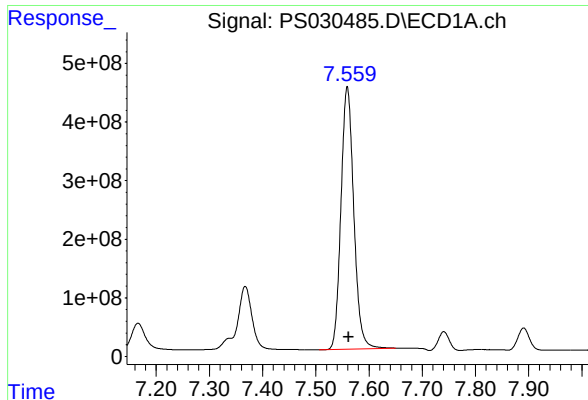
#4 2,4-DCAA

R.T.: 7.367 min
Delta R.T.: -0.002 min
Response: 1989236575
Conc: 526.93 ng/ml m



#4 2,4-DCAA

R.T.: 7.773 min
Delta R.T.: -0.001 min
Response: 530420633
Conc: 493.13 ng/ml



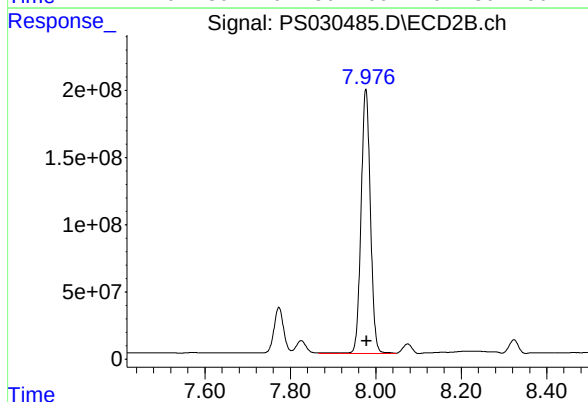
#5 DICAMBA

R.T.: 7.559 min
Delta R.T.: -0.002 min
Response: 7469415262
Conc: 484.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168207BS

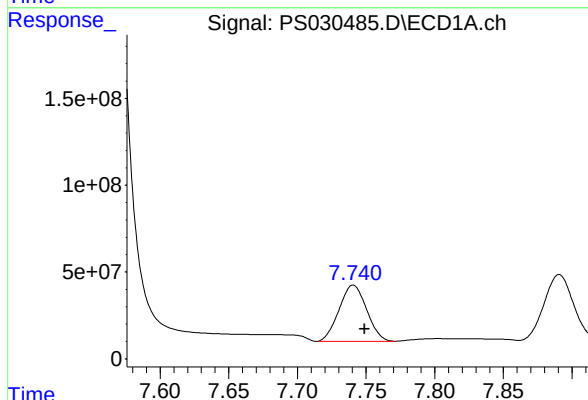
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 06/06/2025



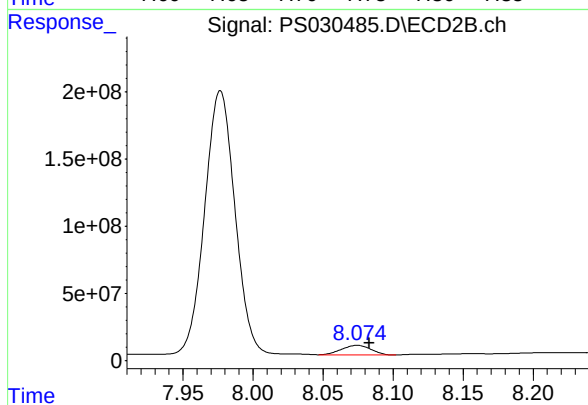
#5 DICAMBA

R.T.: 7.977 min
Delta R.T.: -0.002 min
Response: 2992927477
Conc: 464.62 ng/ml



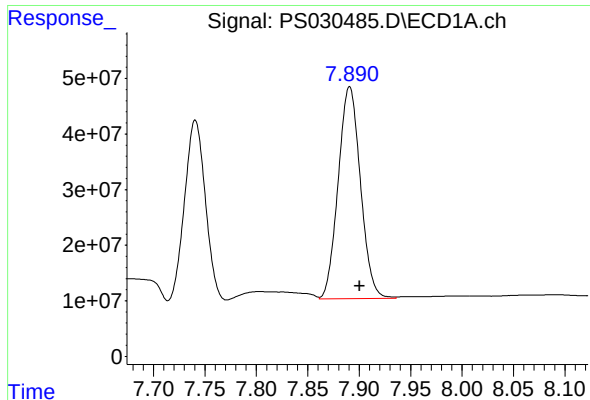
#6 MCPP

R.T.: 7.741 min
Delta R.T.: -0.008 min
Response: 450288037
Conc: 45.46 ug/ml



#6 MCPP

R.T.: 8.075 min
Delta R.T.: -0.008 min
Response: 107090806
Conc: 46.33 ug/ml



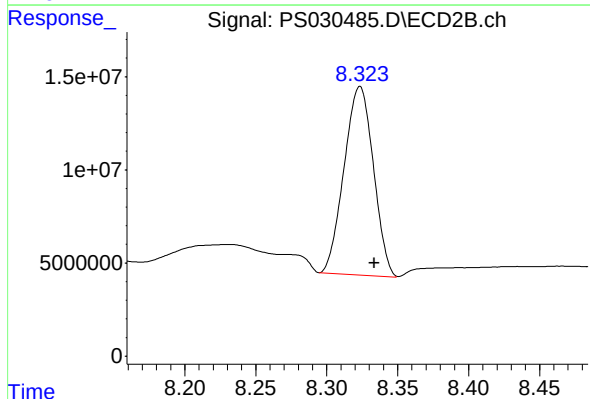
#7 MCPA

R.T.: 7.891 min
Delta R.T.: -0.010 min
Response: 574518668
Conc: 45.28 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB168207BS

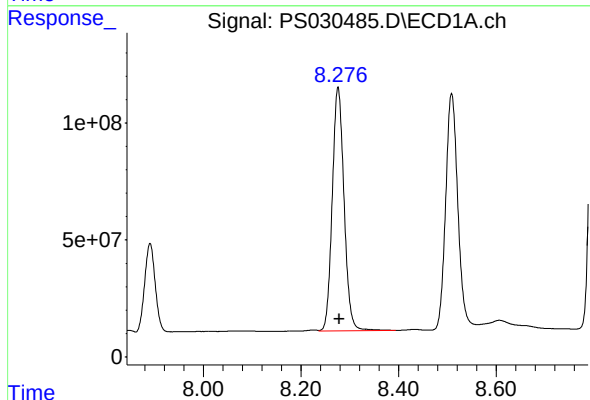
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 06/06/2025



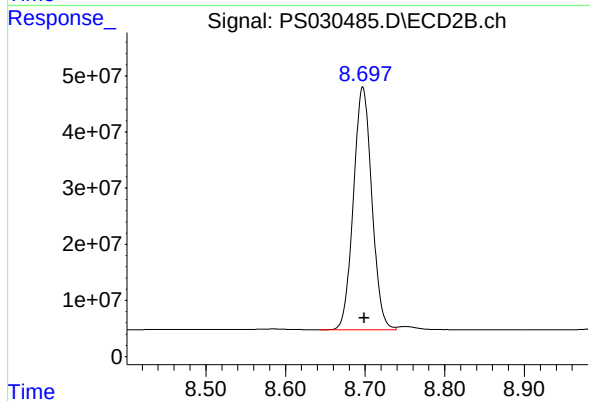
#7 MCPA

R.T.: 8.323 min
Delta R.T.: -0.011 min
Response: 145590662
Conc: 47.18 ug/ml



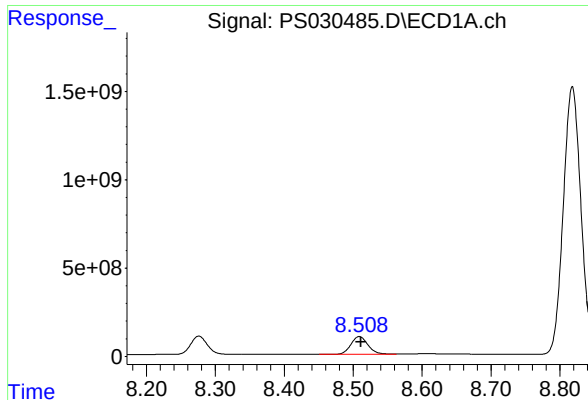
#8 DICHLORPROP

R.T.: 8.276 min
Delta R.T.: -0.002 min
Response: 1746077545
Conc: 479.94 ng/ml



#8 DICHLORPROP

R.T.: 8.697 min
Delta R.T.: -0.002 min
Response: 695758429
Conc: 468.78 ng/ml



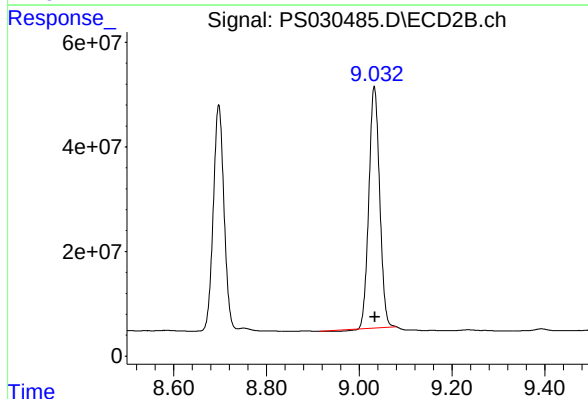
#9 2,4-D

R.T.: 8.509 min
Delta R.T.: -0.003 min
Response: 1755048326
Conc: 481.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168207BS

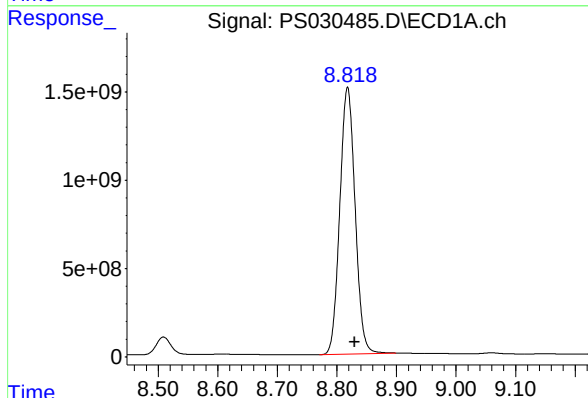
Manual Integrations
APPROVED

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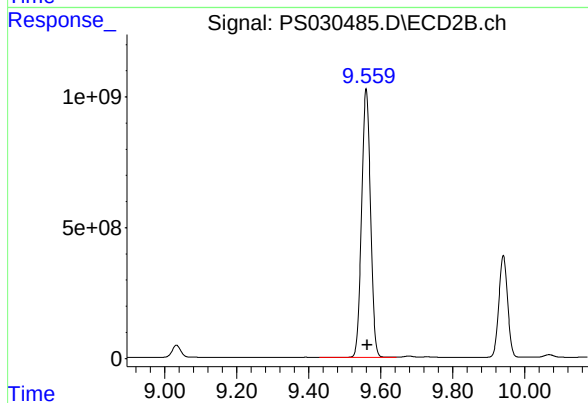
#9 2,4-D

R.T.: 9.033 min
Delta R.T.: -0.002 min
Response: 739999251
Conc: 470.64 ng/ml



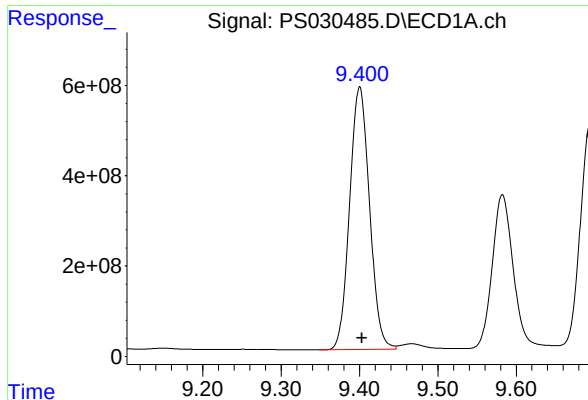
#10 Pentachlorophenol

R.T.: 8.818 min
Delta R.T.: -0.012 min
Response: 26971166381
Conc: 531.07 ng/ml



#10 Pentachlorophenol

R.T.: 9.560 min
Delta R.T.: -0.003 min
Response: 17602323593
Conc: 487.09 ng/ml



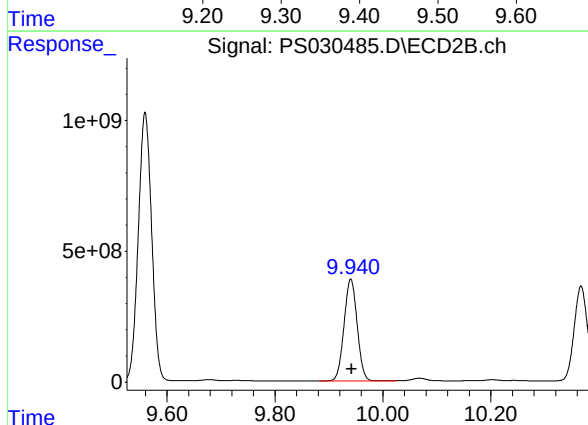
#11 2,4,5-TP (SILVEX)

R.T.: 9.400 min
Delta R.T.: -0.003 min
Response: 10265915753
Conc: 496.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168207BS

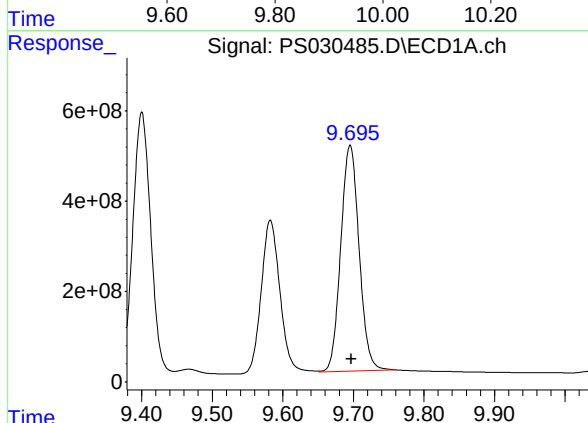
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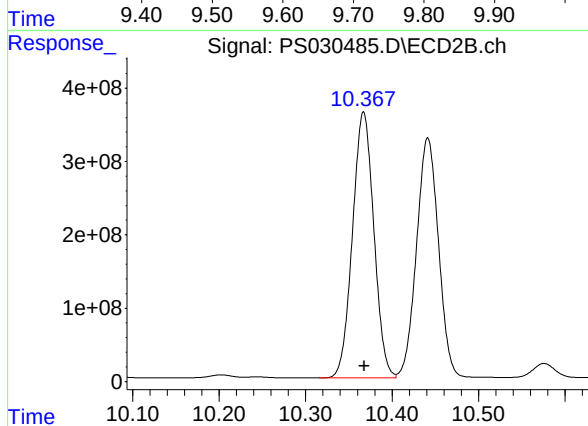
#11 2,4,5-TP (SILVEX)

R.T.: 9.940 min
Delta R.T.: -0.002 min
Response: 6543039718
Conc: 477.01 ng/ml



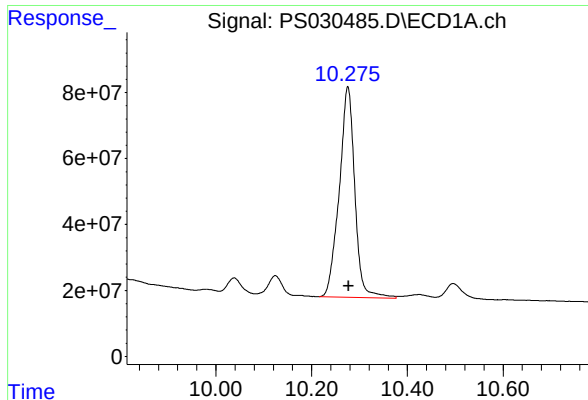
#12 2,4,5-T

R.T.: 9.696 min
Delta R.T.: -0.002 min
Response: 9024144716
Conc: 489.62 ng/ml



#12 2,4,5-T

R.T.: 10.367 min
Delta R.T.: 0.000 min
Response: 6222976762
Conc: 476.60 ng/ml



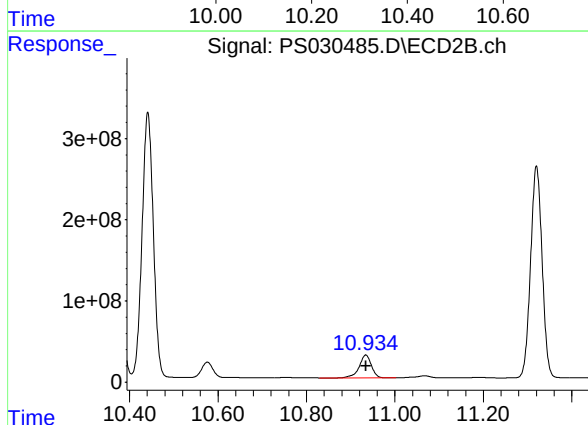
#13 2,4-DB

R.T.: 10.276 min
Delta R.T.: -0.002 min
Response: 1442104049
Conc: 474.94 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168207BS

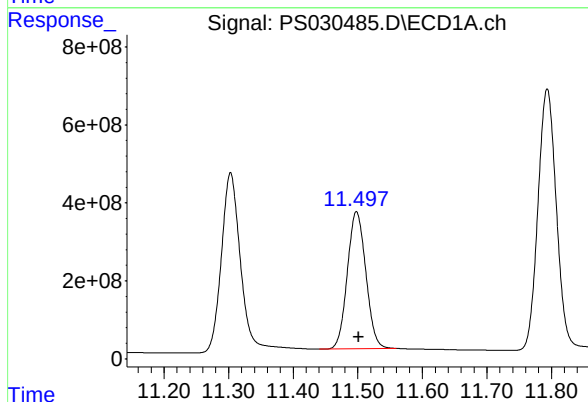
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Supervised By :mohammad ahmed 06/06/2025



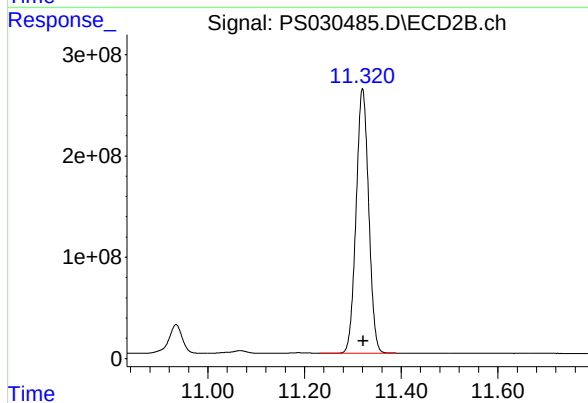
#13 2,4-DB

R.T.: 10.934 min
Delta R.T.: 0.000 min
Response: 544655434
Conc: 473.80 ng/ml



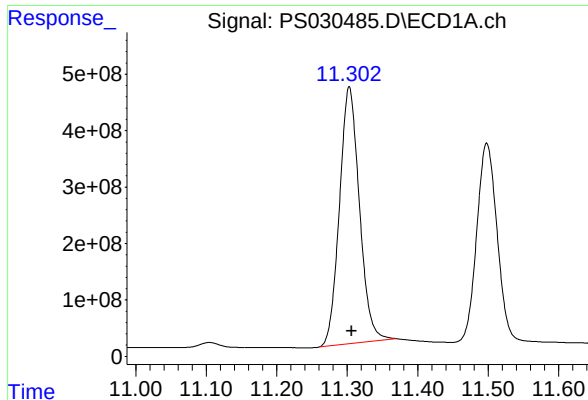
#14 DINOSEB

R.T.: 11.498 min
Delta R.T.: -0.003 min
Response: 7002944378
Conc: 487.16 ng/ml



#14 DINOSEB

R.T.: 11.320 min
Delta R.T.: -0.002 min
Response: 4709587612
Conc: 468.61 ng/ml



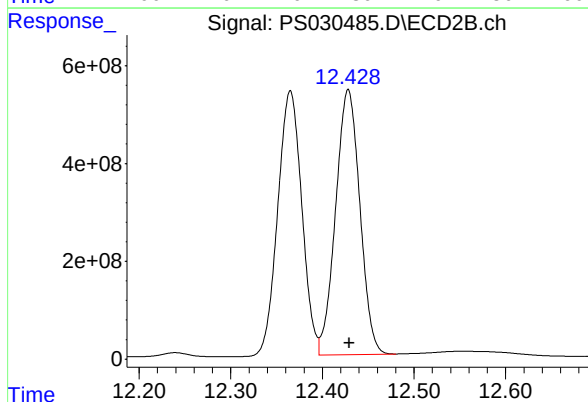
#15 Picloram

R.T.: 11.303 min
Delta R.T.: -0.003 min
Response: 8978605511
Conc: 448.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168207BS

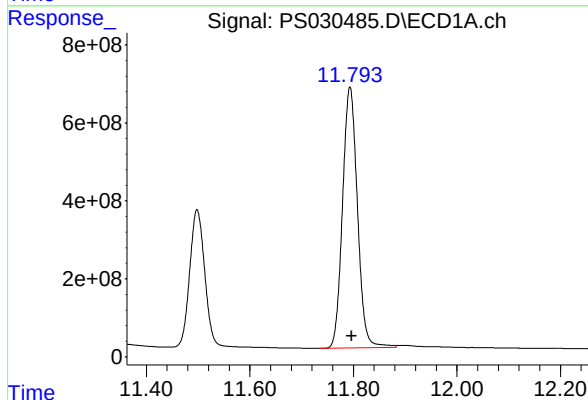
Manual Integrations
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Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



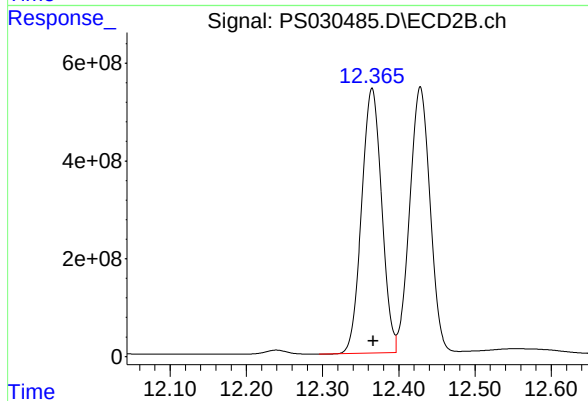
#15 Picloram

R.T.: 12.428 min
Delta R.T.: -0.001 min
Response: 9976193854
Conc: 451.74 ng/ml



#16 DCPA

R.T.: 11.793 min
Delta R.T.: -0.004 min
Response: 13352185318
Conc: 505.00 ng/ml



#16 DCPA

R.T.: 12.365 min
Delta R.T.: -0.002 min
Response: 9881997528
Conc: 482.92 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/27/25
Project:	NJ Soil PT	Date Received:	05/27/25
Client Sample ID:	TP-3MS	SDG No.:	Q1872
Lab Sample ID:	Q2130-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.3 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030577.D	1	05/30/25 08:20	06/09/25 18:41	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
93-65-2	MCPP	6.40	J	1.10	7.40	ug/Kg
1918-00-9	DICAMBA	82.9		8.60	74.1	ug/Kg
75-99-0	DALAPON	229	P	19.4	74.1	ug/Kg
94-74-6	MCPA	7.50		2.80	7.40	ug/Kg
120-36-5	DICHLORPROP	93.1		14.2	74.1	ug/Kg
94-75-7	2,4-D	99.5		10.0	74.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	92.9		10.0	74.1	ug/Kg
93-76-5	2,4,5-T	82.2		9.60	74.1	ug/Kg
94-82-6	2,4-DB	75.1	P	26.8	74.1	ug/Kg
88-85-7	DINOSEB	20.3	J	11.9	74.1	ug/Kg
87-86-5	Pentachlorophenol	93.0		13.9	74.1	ug/Kg
100-02-7	4-Nitrophenol	78.8		20.4	74.1	ug/Kg
1918-02-1	PICLORAM	61.1	J	10.9	74.1	ug/Kg
1861-32-1	DCPA	83.2		19.8	74.1	ug/Kg
51-36-5	3,5-DICHLOROBENZOIC AC	88.0		10.4	74.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	252		10 - 141	50%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/27/25
Project:	NJ Soil PT	Date Received:	05/27/25
Client Sample ID:	TP-3MS	SDG No.:	Q1872
Lab Sample ID:	Q2130-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.3 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030577.D	1	05/30/25 08:20	06/09/25 18:41	PB168207

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\PS060925\
 Data File : PS030577.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 18:41
 Operator : AR\AJ
 Sample : Q2130-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TP-3MS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 10 02:56:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.360	7.768	951.2E6	226.3E6	251.970	210.389m
Target Compounds							
1) T	Dalapon	2.706	2.701	423.4E6	1701.5E6	74.973m	621.000 #
2) T	3,5-DICHL...	6.518	6.713	1294.6E6	365.4E6	238.585	233.579m
3) T	4-Nitroph...	7.159	7.300	376.7E6	334.8E6	205.446	213.611
5) T	DICAMBA	7.551	7.972	3465.6E6	1367.5E6	224.711	212.292m
6) T	MCPD	7.730	8.069	172.3E6	37292474	17.395m	16.133
7) T	MCPA	7.881	8.315	242.8E6	63050131	19.137	20.432m
8) T	DICHLORPROP	8.267	8.692	918.7E6	368.2E6	252.512	248.064
9) T	2,4-D	8.499	9.028	983.1E6	361.0E6	269.802	229.588
10) T	Pentachlo...	8.808	9.554	12803.2E6	8135.5E6	252.099	225.122
11) T	2,4,5-TP ...	9.390	9.935	4944.6E6	3455.9E6	239.273	251.945
12) T	2,4,5-T	9.685	10.360	3991.6E6	2908.9E6	216.570	222.786
13) T	2,4-DB	10.265	10.927	384.8E6	234.1E6	126.719m	203.640 #
14) T	DINOSEB	11.486	11.315	637.2E6	553.2E6	44.326	55.045
15) T	Picloram	11.291	12.422	3268.1E6	3660.6E6	163.367m	165.760m
16) T	DCPA	11.780	12.358	4928.4E6	4615.7E6	186.400	225.564m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
Data File : PS030577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 18:41
Operator : AR\AJ
Sample : Q2130-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TP-3MS

Manual Integrations

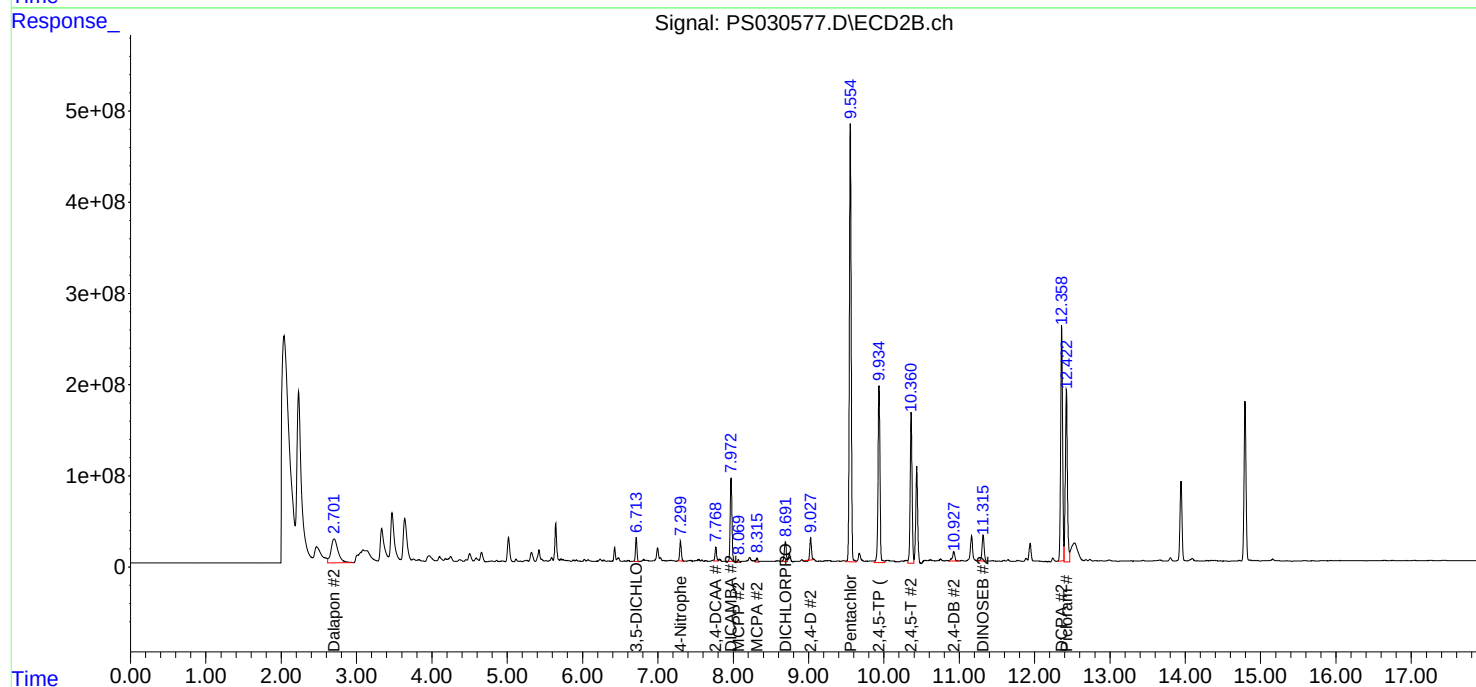
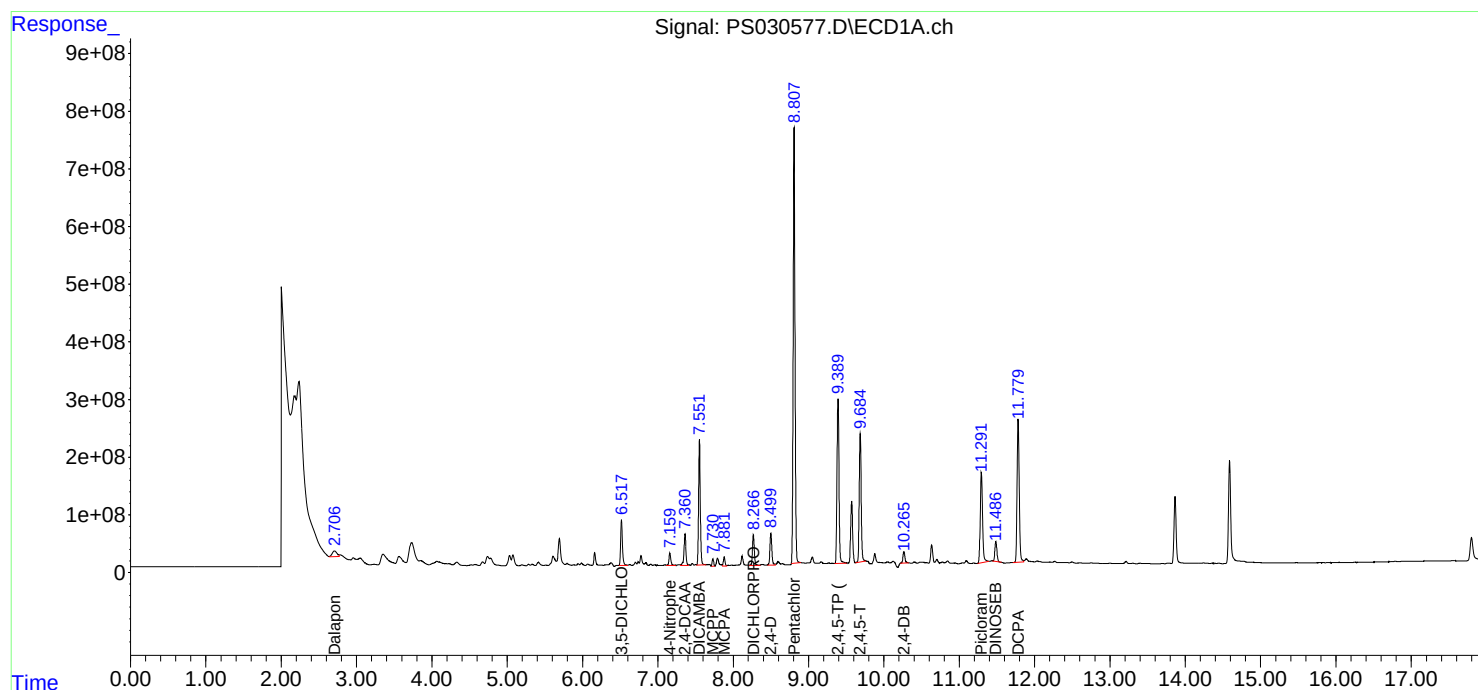
APPROVED

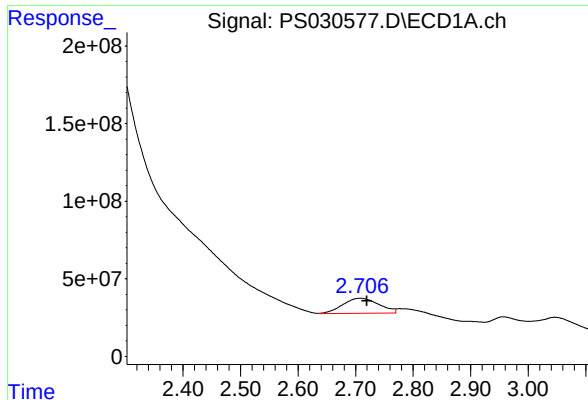
Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:56:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





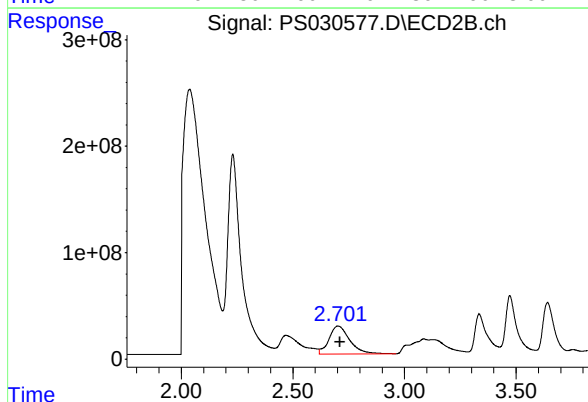
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: -0.014 min
Response: 423372527
Conc: 74.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MS

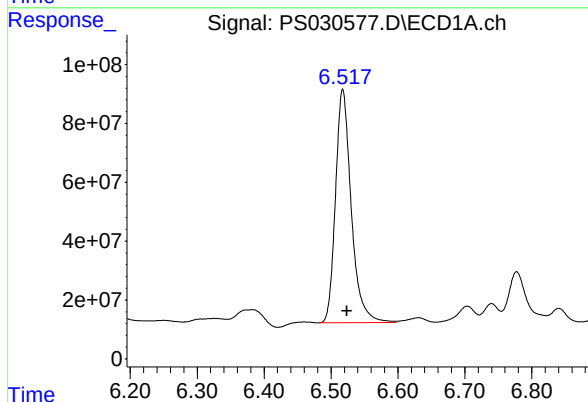
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



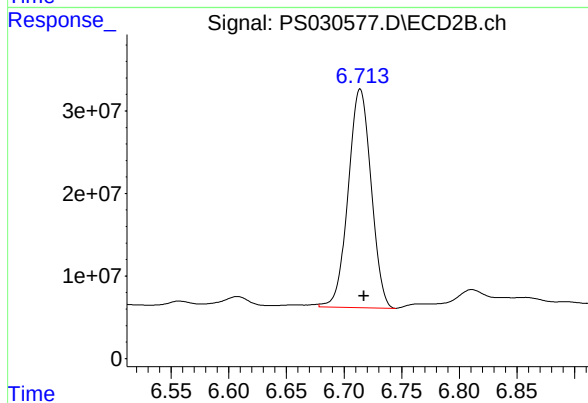
#1 Dalapon

R.T.: 2.701 min
Delta R.T.: -0.009 min
Response: 1701548027
Conc: 621.00 ng/ml



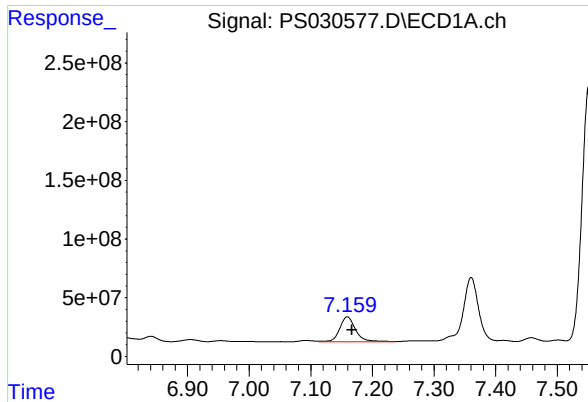
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.518 min
Delta R.T.: -0.007 min
Response: 1294646061
Conc: 238.59 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: -0.004 min
Response: 365375125
Conc: 233.58 ng/ml m



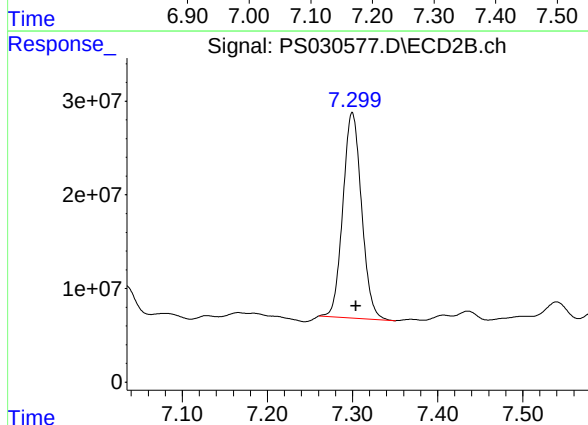
#3 4-Nitrophenol

R.T.: 7.159 min
Delta R.T.: -0.007 min
Response: 376737754
Conc: 205.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MS

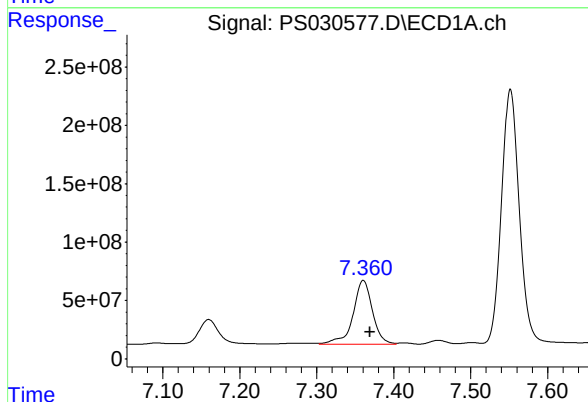
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



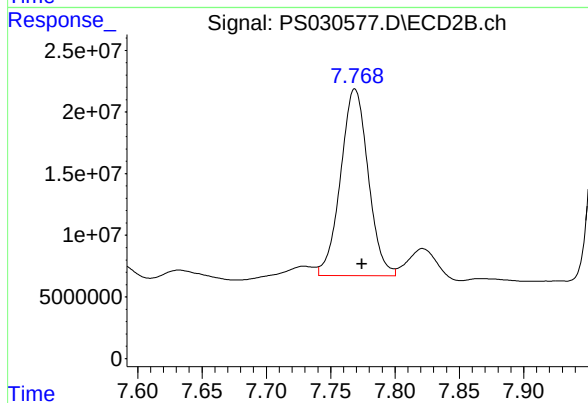
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.004 min
Response: 334780291
Conc: 213.61 ng/ml



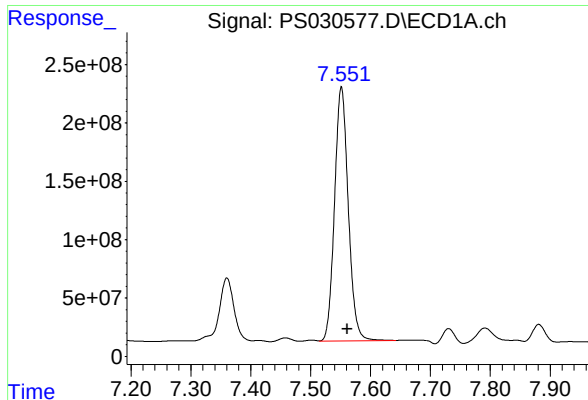
#4 2,4-DCAA

R.T.: 7.360 min
Delta R.T.: -0.009 min
Response: 951222913
Conc: 251.97 ng/ml



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: -0.006 min
Response: 226296832
Conc: 210.39 ng/ml m



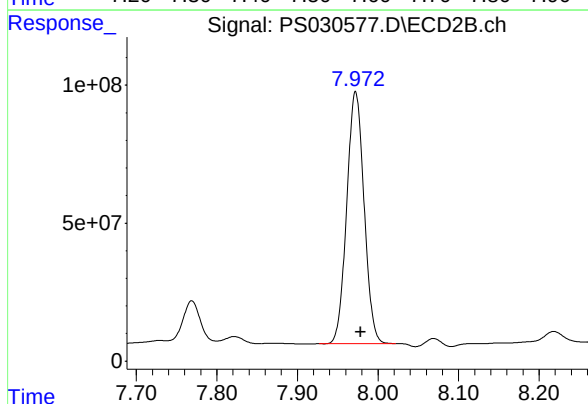
#5 DICAMBA

R.T.: 7.551 min
Delta R.T.: -0.010 min
Response: 3465620471
Conc: 224.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MS

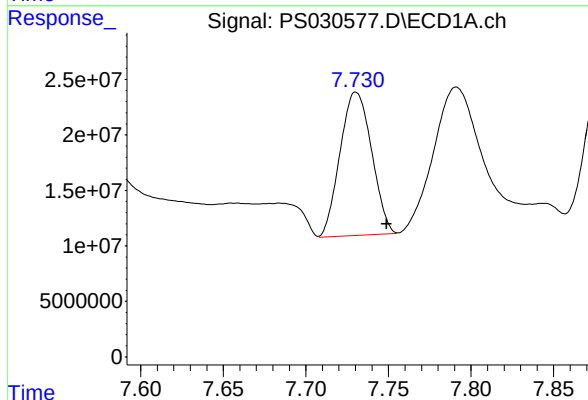
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



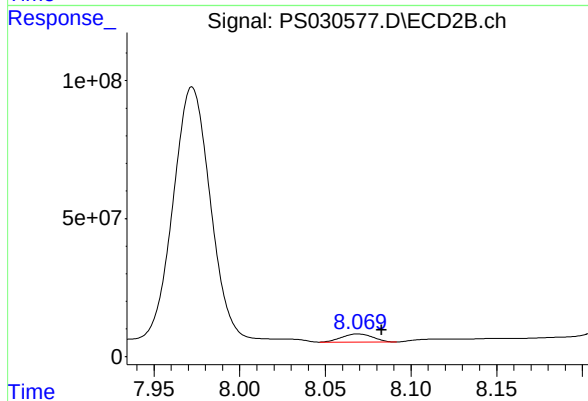
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: -0.007 min
Response: 1367513442
Conc: 212.29 ng/ml



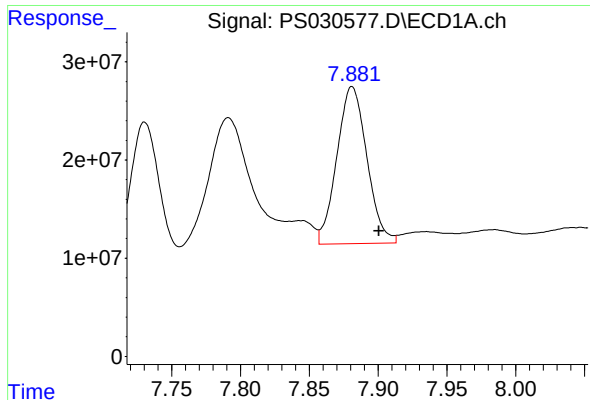
#6 MCPP

R.T.: 7.730 min
Delta R.T.: -0.019 min
Response: 172294927
Conc: 17.39 ug/ml



#6 MCPP

R.T.: 8.069 min
Delta R.T.: -0.014 min
Response: 37292474
Conc: 16.13 ug/ml



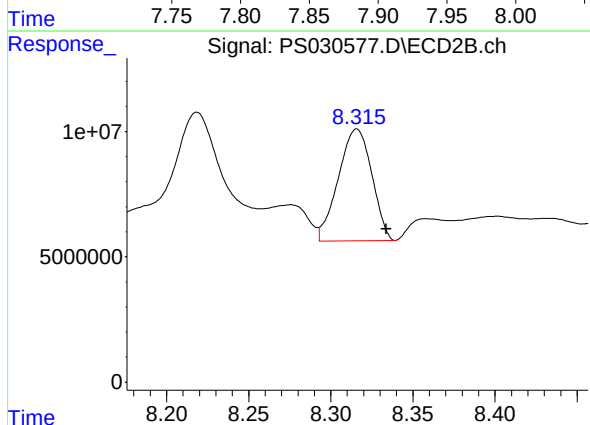
#7 MCPA

R.T.: 7.881 min
Delta R.T.: -0.020 min
Response: 242841026
Conc: 19.14 ug/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MS

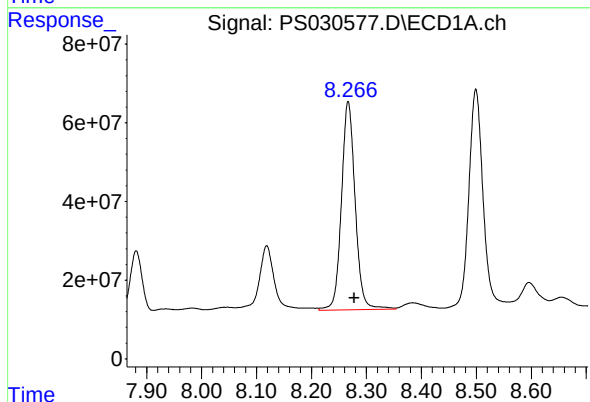
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



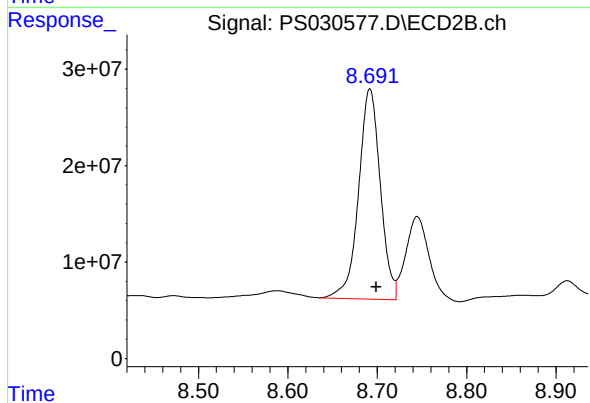
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.018 min
Response: 63050131
Conc: 20.43 ug/ml



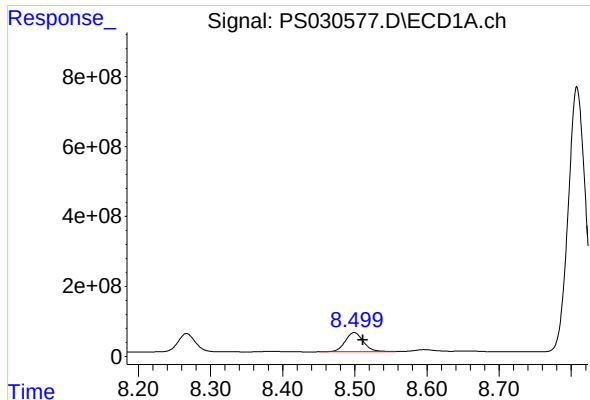
#8 DICHLORPROP

R.T.: 8.267 min
Delta R.T.: -0.011 min
Response: 918675000
Conc: 252.51 ng/ml



#8 DICHLORPROP

R.T.: 8.692 min
Delta R.T.: -0.007 min
Response: 368176792
Conc: 248.06 ng/ml



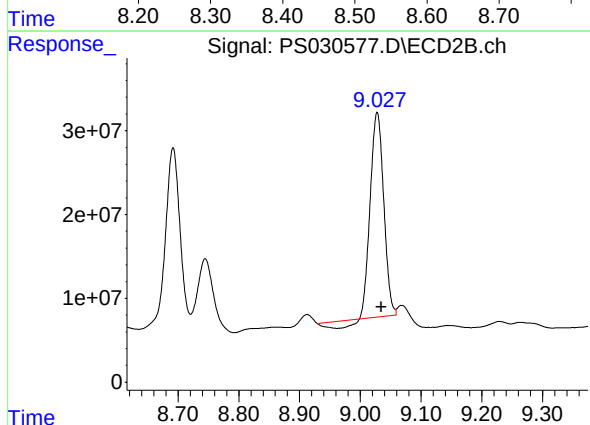
#9 2,4-D

R.T.: 8.499 min
Delta R.T.: -0.012 min
Response: 983052092
Conc: 269.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MS

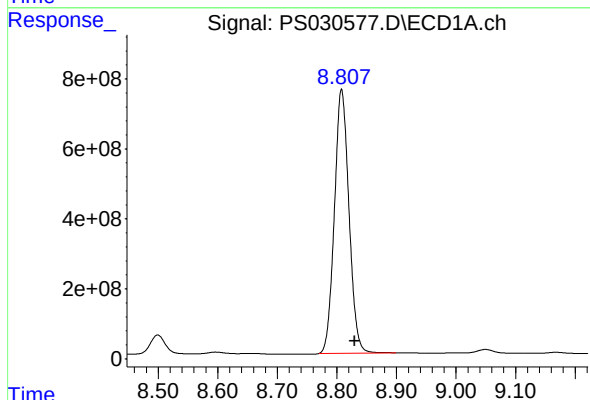
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



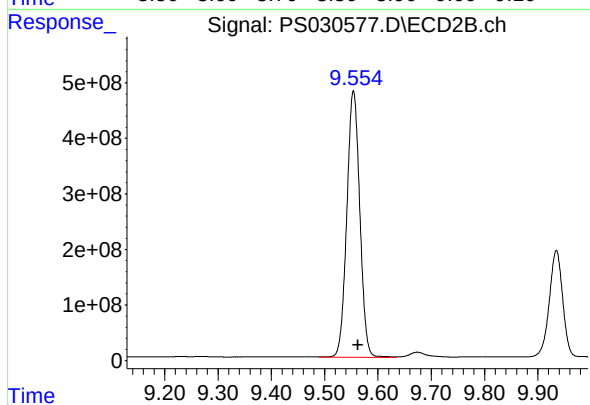
#9 2,4-D

R.T.: 9.028 min
Delta R.T.: -0.007 min
Response: 360986136
Conc: 229.59 ng/ml



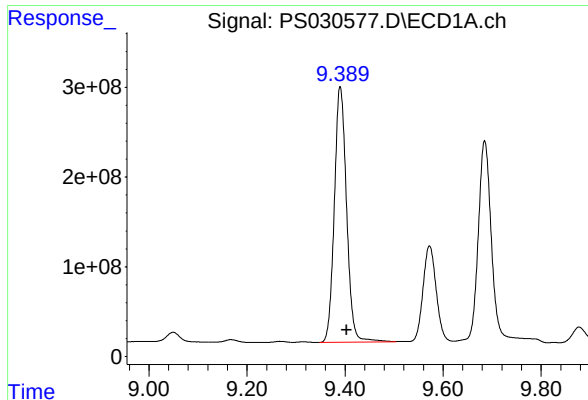
#10 Pentachlorophenol

R.T.: 8.808 min
Delta R.T.: -0.022 min
Response: 12803163159
Conc: 252.10 ng/ml



#10 Pentachlorophenol

R.T.: 9.554 min
Delta R.T.: -0.009 min
Response: 8135451516
Conc: 225.12 ng/ml



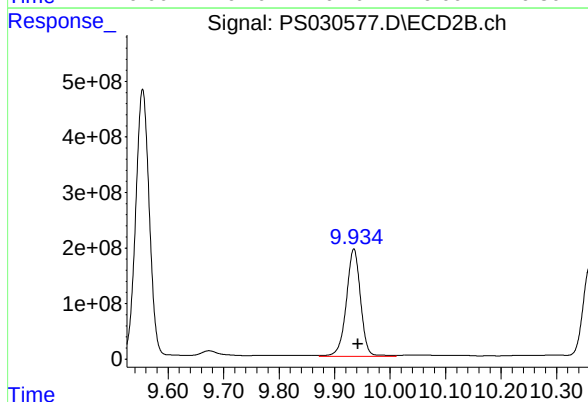
#11 2,4,5-TP (SILVEX)

R.T.: 9.390 min
Delta R.T.: -0.013 min
Response: 4944589021
Conc: 239.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MS

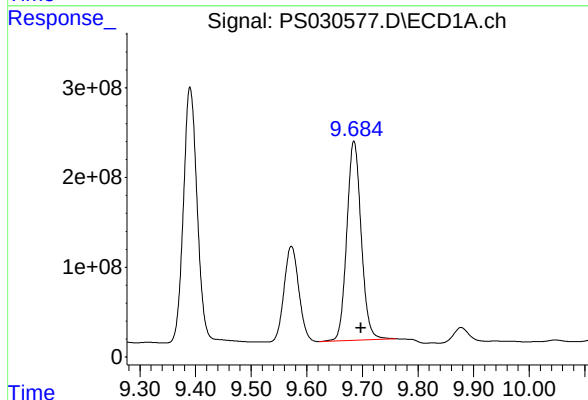
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



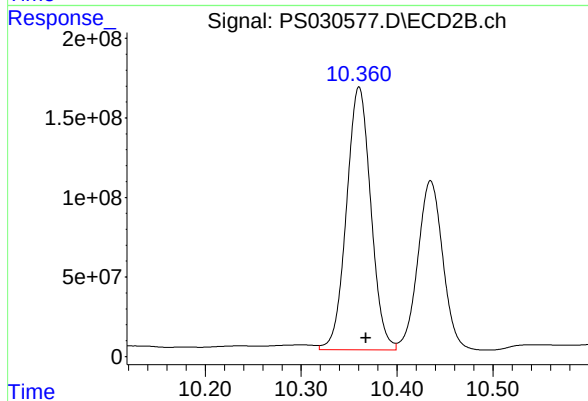
#11 2,4,5-TP (SILVEX)

R.T.: 9.935 min
Delta R.T.: -0.008 min
Response: 3455858120
Conc: 251.94 ng/ml



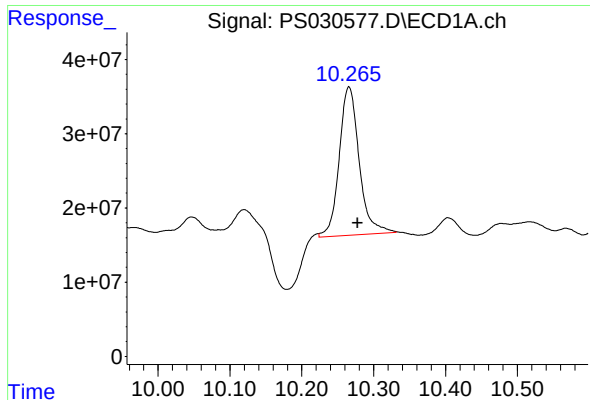
#12 2,4,5-T

R.T.: 9.685 min
Delta R.T.: -0.012 min
Response: 3991615795
Conc: 216.57 ng/ml



#12 2,4,5-T

R.T.: 10.360 min
Delta R.T.: -0.007 min
Response: 2908946189
Conc: 222.79 ng/ml



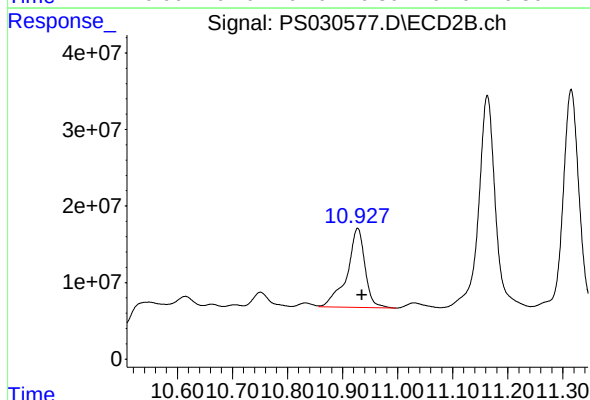
#13 2,4-DB

R.T.: 10.265 min
Delta R.T.: -0.012 min
Response: 384764833
Conc: 126.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MS

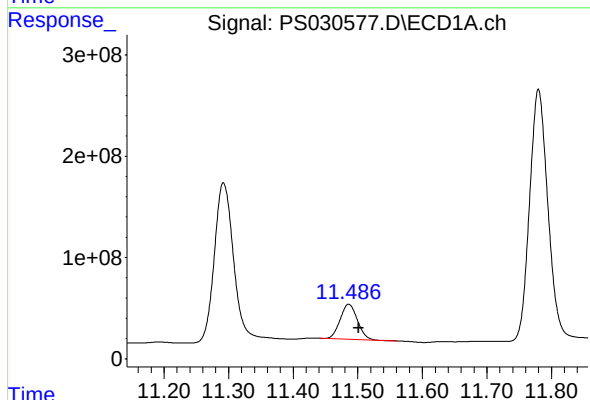
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



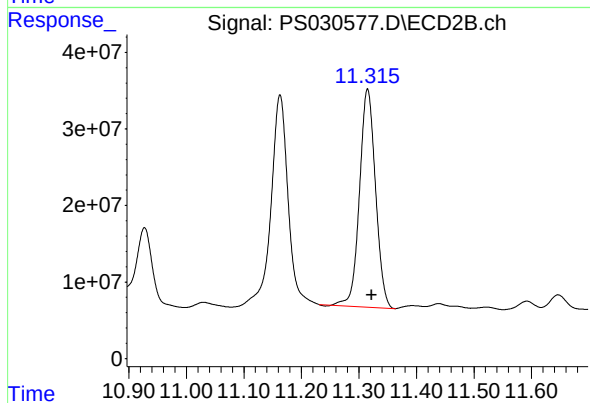
#13 2,4-DB

R.T.: 10.927 min
Delta R.T.: -0.008 min
Response: 234095345
Conc: 203.64 ng/ml



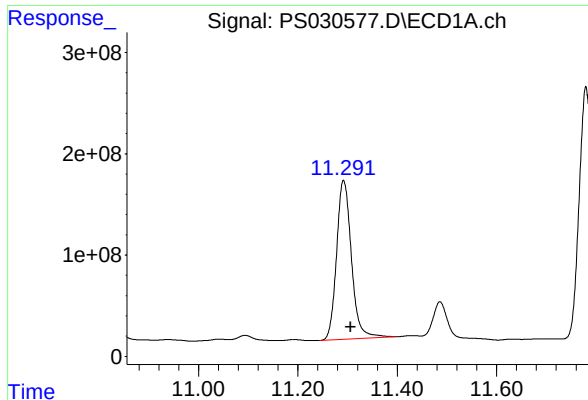
#14 DINOSEB

R.T.: 11.486 min
Delta R.T.: -0.015 min
Response: 637189277
Conc: 44.33 ng/ml



#14 DINOSEB

R.T.: 11.315 min
Delta R.T.: -0.007 min
Response: 553205365
Conc: 55.04 ng/ml



#15 Picloram

R.T.: 11.291 min
Delta R.T.: -0.015 min
Response: 3268119339
Conc: 163.37 ng/ml

Instrument :

ECD_S

ClientSampleId :

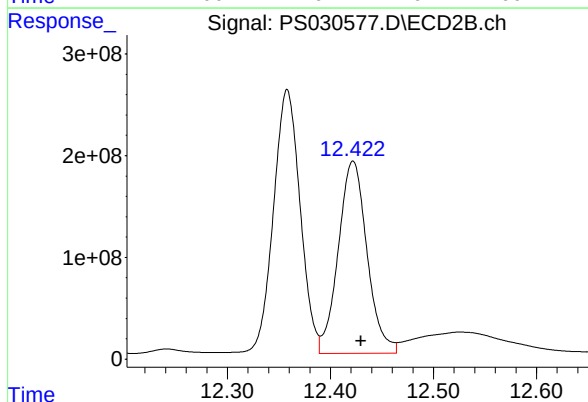
TP-3MS

Manual Integrations

APPROVED

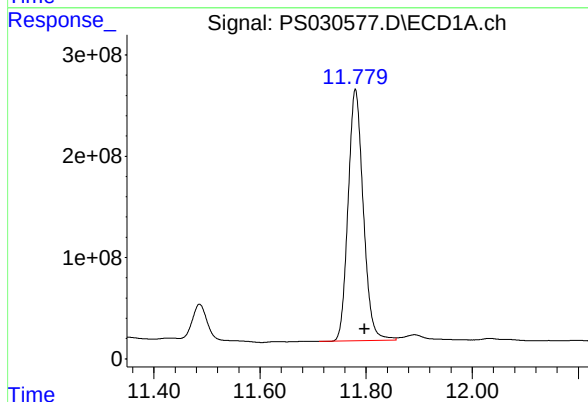
Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025



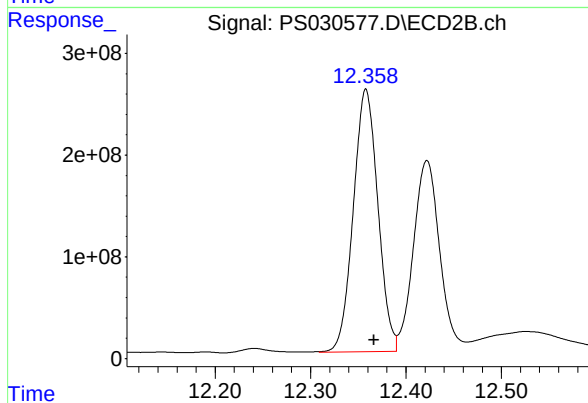
#15 Picloram

R.T.: 12.422 min
Delta R.T.: -0.008 min
Response: 3660628269
Conc: 165.76 ng/ml m



#16 DCPA

R.T.: 11.780 min
Delta R.T.: -0.017 min
Response: 4928435004
Conc: 186.40 ng/ml



#16 DCPA

R.T.: 12.358 min
Delta R.T.: -0.009 min
Response: 4615700297
Conc: 225.56 ng/ml m

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/27/25	
Project:	NJ Soil PT		Date Received:	05/27/25	
Client Sample ID:	TP-3MSD		SDG No.:	Q1872	
Lab Sample ID:	Q2130-01MSD		Matrix:	SOIL	
Analytical Method:	8151A		% Solid:	90.3	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030578.D	1	05/30/25 08:20	06/09/25 19:05	PB168207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
93-65-2	MCPP	6.90	J	1.00	7.40	ug/Kg
1918-00-9	DICAMBA	82.5		8.60	74.0	ug/Kg
75-99-0	DALAPON	224	P	19.3	74.0	ug/Kg
94-74-6	MCPA	7.40		2.80	7.40	ug/Kg
120-36-5	DICHLORPROP	92.4		14.1	74.0	ug/Kg
94-75-7	2,4-D	99.3		10.0	74.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	92.0		10.0	74.0	ug/Kg
93-76-5	2,4,5-T	81.6		9.60	74.0	ug/Kg
94-82-6	2,4-DB	74.6	P	26.7	74.0	ug/Kg
88-85-7	DINOSEB	20.1	J	11.9	74.0	ug/Kg
87-86-5	Pentachlorophenol	91.8		13.9	74.0	ug/Kg
100-02-7	4-Nitrophenol	78.5		20.3	74.0	ug/Kg
1918-02-1	PICLORAM	60.9	J	10.9	74.0	ug/Kg
1861-32-1	DCPA	81.9		19.8	74.0	ug/Kg
51-36-5	3,5-DICHLOROBENZOIC AC	86.9		10.4	74.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	250		10 - 141	50%	SPK: 500

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/27/25
Project:	NJ Soil PT	Date Received:	05/27/25
Client Sample ID:	TP-3MSD	SDG No.:	Q1872
Lab Sample ID:	Q2130-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.3 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030578.D	1	05/30/25 08:20	06/09/25 19:05	PB168207

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\PS060925\
 Data File : PS030578.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 19:05
 Operator : AR\AJ
 Sample : Q2130-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TP-3MSD

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 10 02:56:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.360	7.768	945.1E6	221.1E6	250.359	205.578m
Target Compounds							
1) T	Dalapon	2.705	2.703	410.9E6	1668.9E6	72.772m	609.080 #
2) T	3,5-DICHL...	6.518	6.714	1281.2E6	363.5E6	236.112	232.388m
3) T	4-Nitroph...	7.159	7.300	378.6E6	334.3E6	206.465	213.290
5) T	DICAMBA	7.552	7.972	3454.8E6	1367.1E6	224.013	212.232m
6) T	MCPD	7.731	8.069	185.1E6	36388576	18.692m	15.742
7) T	MCPA	7.881	8.315	244.2E6	61882677	19.244	20.053m
8) T	DICHLORPROP	8.268	8.692	913.2E6	367.2E6	250.994	247.402
9) T	2,4-D	8.499	9.027	982.6E6	404.2E6	269.679	257.092m
10) T	Pentachlo...	8.808	9.554	12664.6E6	8049.7E6	249.371	222.749
11) T	2,4,5-TP ...	9.390	9.934	4917.9E6	3428.4E6	237.979	249.939
12) T	2,4,5-T	9.685	10.361	4019.1E6	2893.6E6	218.059	221.610
13) T	2,4-DB	10.265	10.928	369.9E6	233.0E6	121.833m	202.688 #
14) T	DINOSEB	11.487	11.315	634.8E6	548.6E6	44.160	54.587
15) T	Picloram	11.292	12.422	3310.3E6	3579.2E6	165.473m	162.072m
16) T	DCPA	11.779	12.358	4901.6E6	4554.7E6	185.384	222.584m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060925\
Data File : PS030578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2025 19:05
Operator : AR\AJ
Sample : Q2130-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TP-3MSD

Manual Integrations

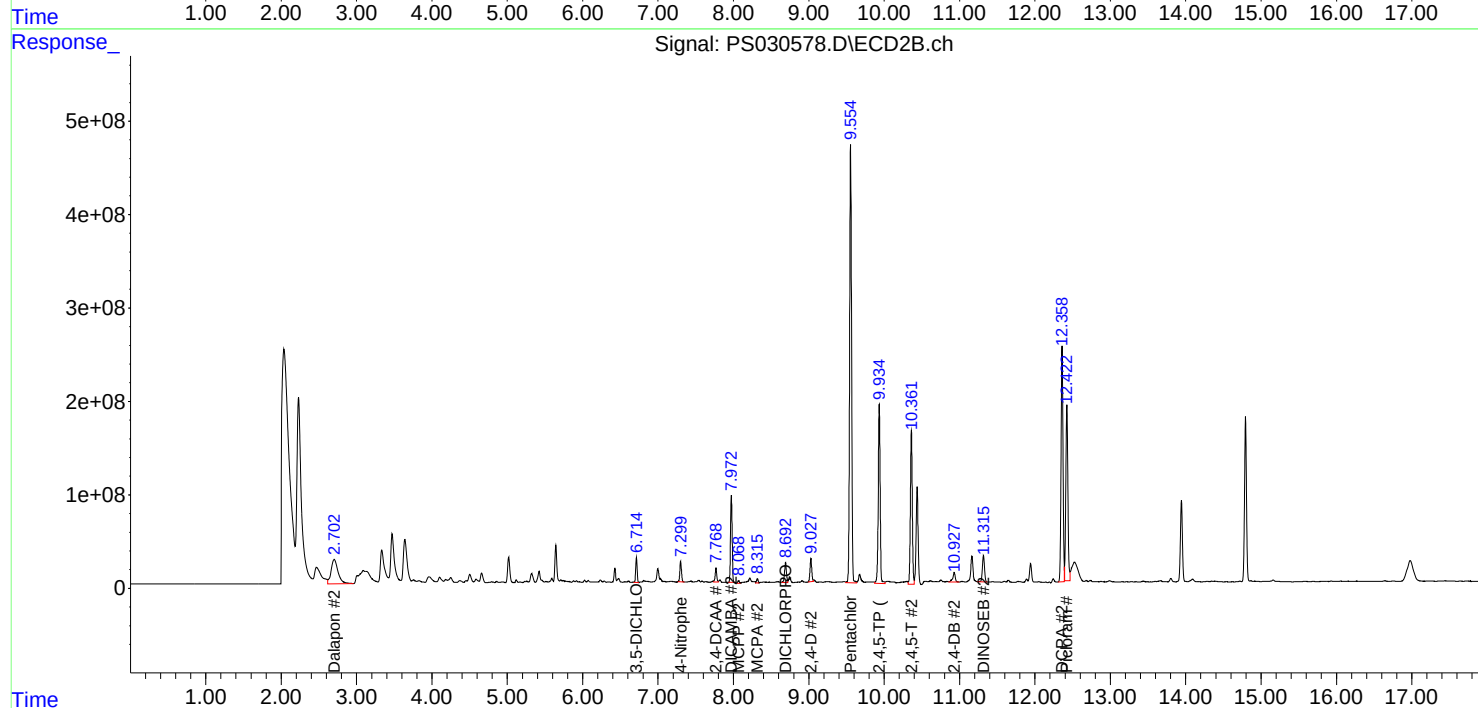
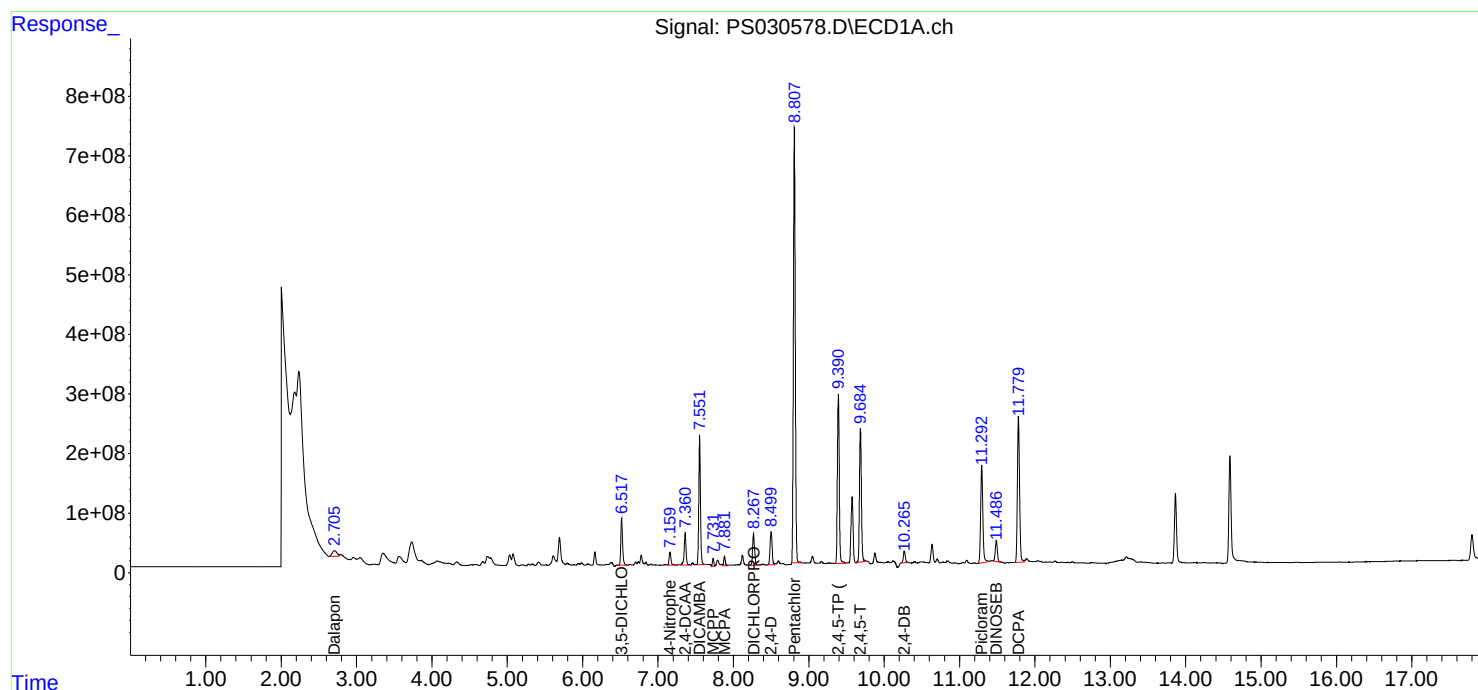
APPROVED

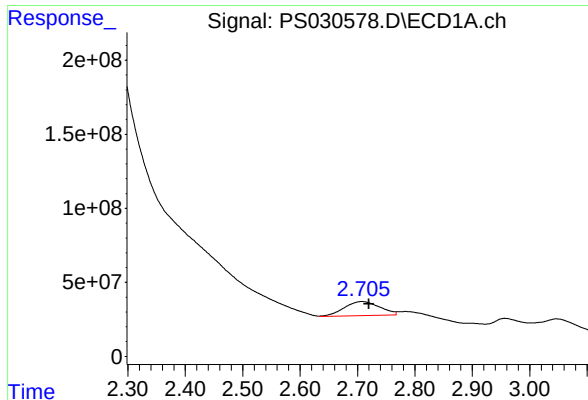
Reviewed By :Abdul Mirza 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 02:56:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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





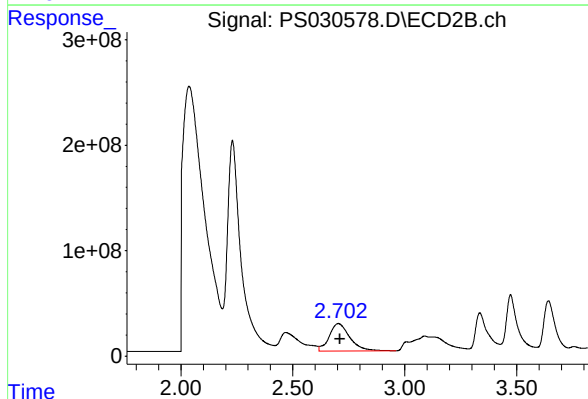
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: -0.015 min
Response: 410943296
Conc: 72.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MSD

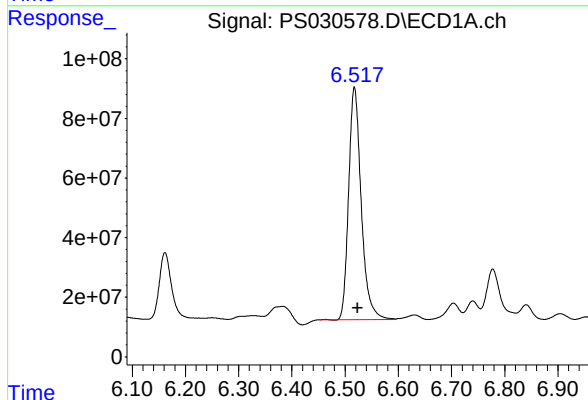
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



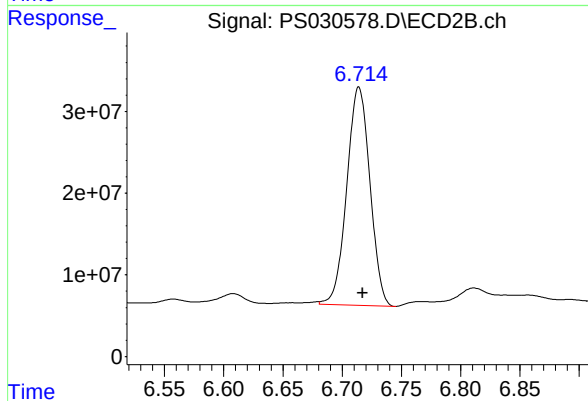
#1 Dalapon

R.T.: 2.703 min
Delta R.T.: -0.008 min
Response: 1668888742
Conc: 609.08 ng/ml



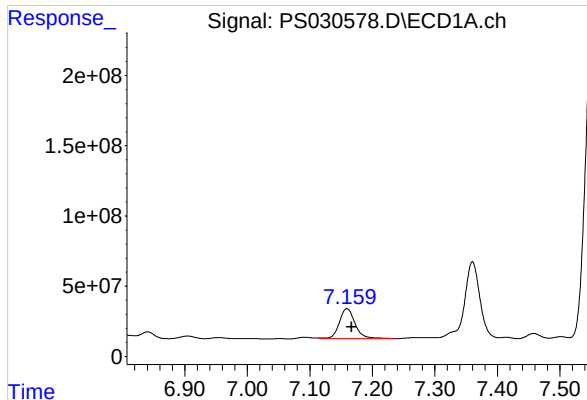
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.518 min
Delta R.T.: -0.006 min
Response: 1281225336
Conc: 236.11 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.714 min
Delta R.T.: -0.004 min
Response: 363511675
Conc: 232.39 ng/ml m



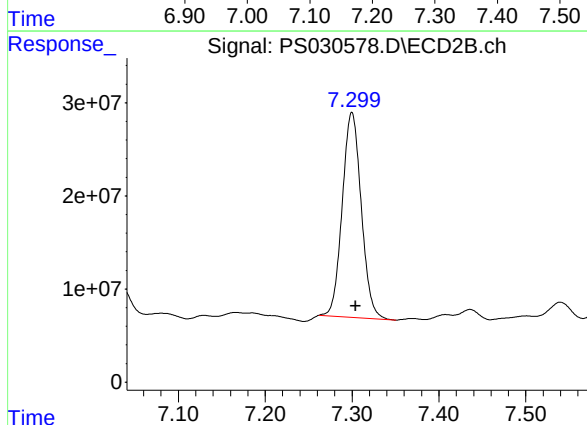
#3 4-Nitrophenol

R.T.: 7.159 min
Delta R.T.: -0.007 min
Response: 378605634
Conc: 206.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MSD

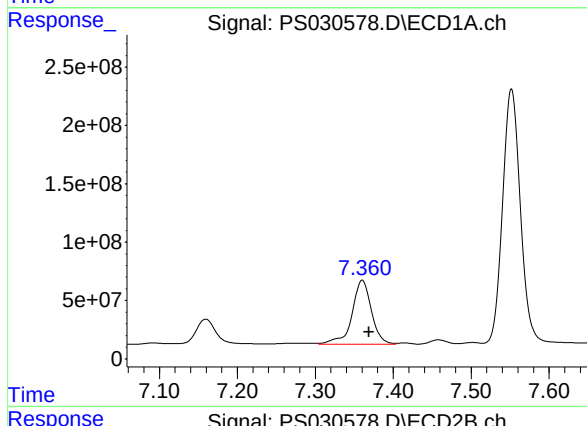
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



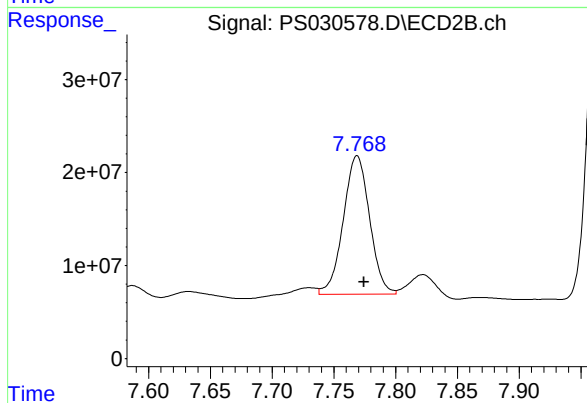
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: -0.004 min
Response: 334277567
Conc: 213.29 ng/ml



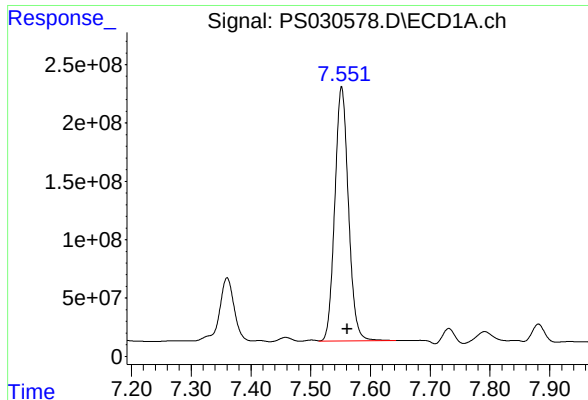
#4 2,4-DCAA

R.T.: 7.360 min
Delta R.T.: -0.009 min
Response: 945142986
Conc: 250.36 ng/ml



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: -0.006 min
Response: 221122296
Conc: 205.58 ng/ml m



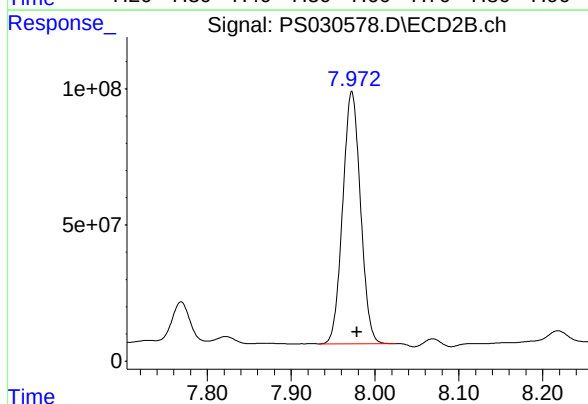
#5 DICAMBA

R.T.: 7.552 min
Delta R.T.: -0.009 min
Response: 3454849582
Conc: 224.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MSD

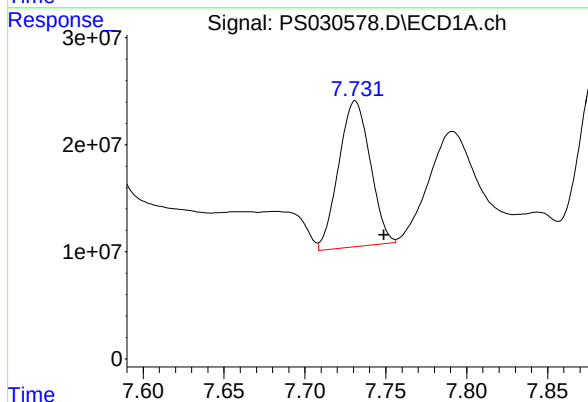
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



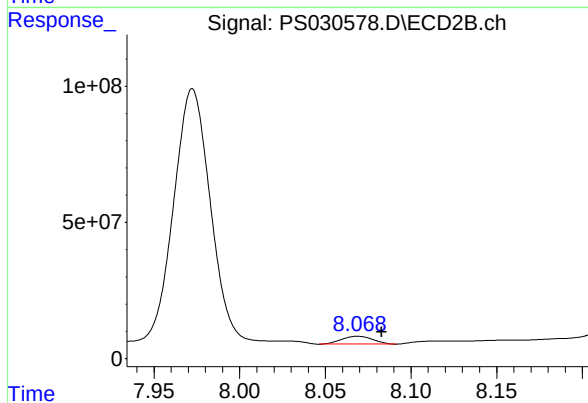
#5 DICAMBA

R.T.: 7.972 min
Delta R.T.: -0.006 min
Response: 1367126751
Conc: 212.23 ng/ml



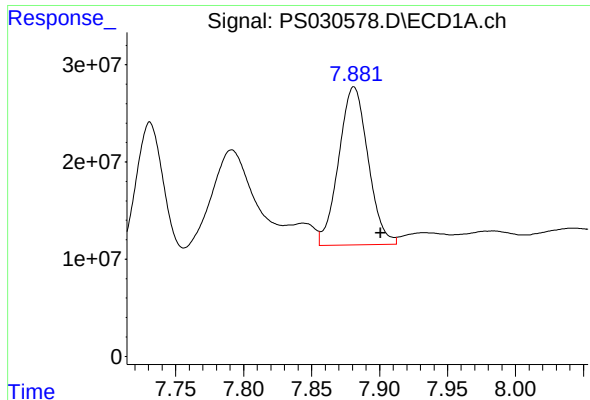
#6 MCPP

R.T.: 7.731 min
Delta R.T.: -0.018 min
Response: 185140317
Conc: 18.69 ug/ml



#6 MCPP

R.T.: 8.069 min
Delta R.T.: -0.014 min
Response: 36388576
Conc: 15.74 ug/ml



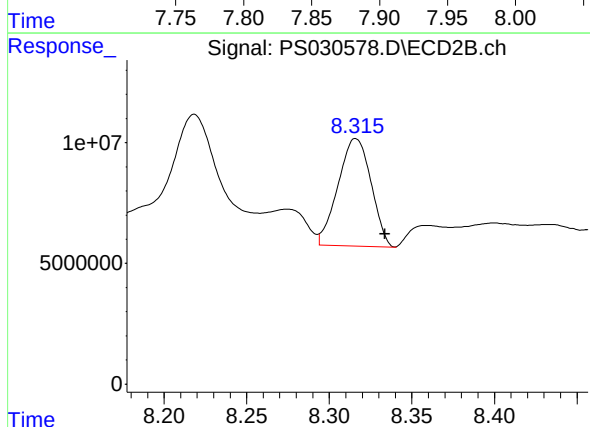
#7 MCPA

R.T.: 7.881 min
Delta R.T.: -0.020 min
Response: 244191658
Conc: 19.24 ug/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MSD

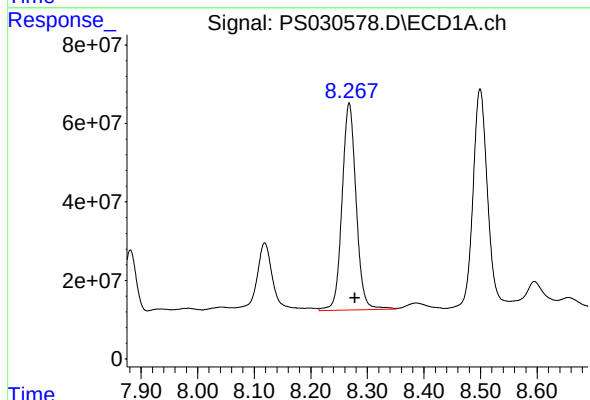
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



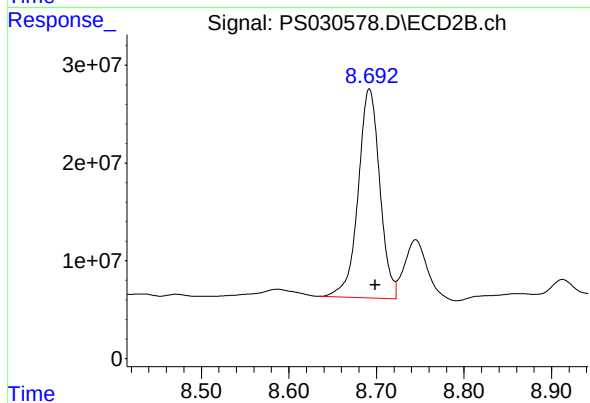
#7 MCPA

R.T.: 8.315 min
Delta R.T.: -0.018 min
Response: 61882677
Conc: 20.05 ug/ml



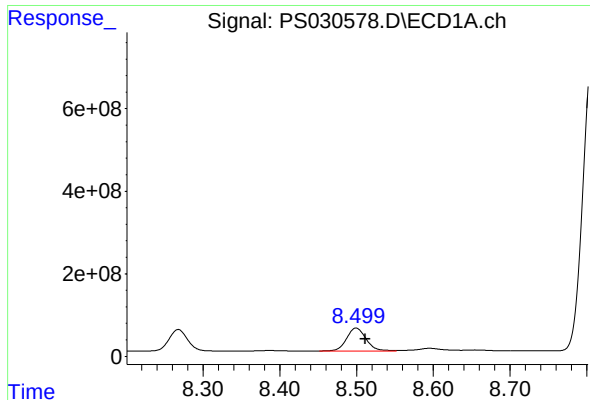
#8 DICHLORPROP

R.T.: 8.268 min
Delta R.T.: -0.010 min
Response: 913151015
Conc: 250.99 ng/ml



#8 DICHLORPROP

R.T.: 8.692 min
Delta R.T.: -0.007 min
Response: 367195707
Conc: 247.40 ng/ml



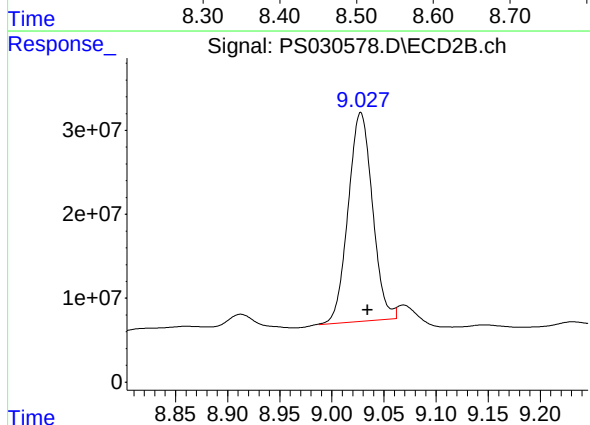
#9 2,4-D

R.T.: 8.499 min
Delta R.T.: -0.012 min
Response: 982604432
Conc: 269.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MSD

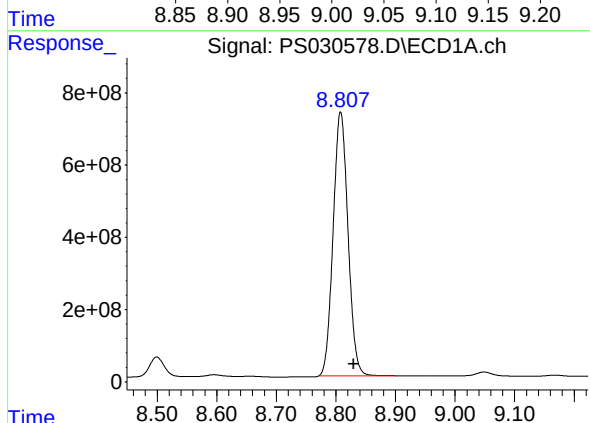
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



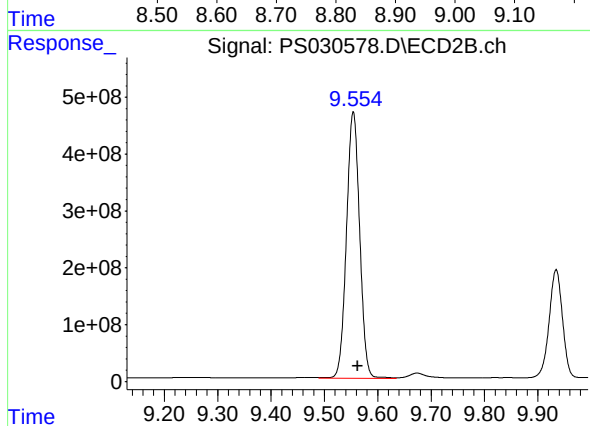
#9 2,4-D

R.T.: 9.027 min
Delta R.T.: -0.007 min
Response: 404231400
Conc: 257.09 ng/ml m



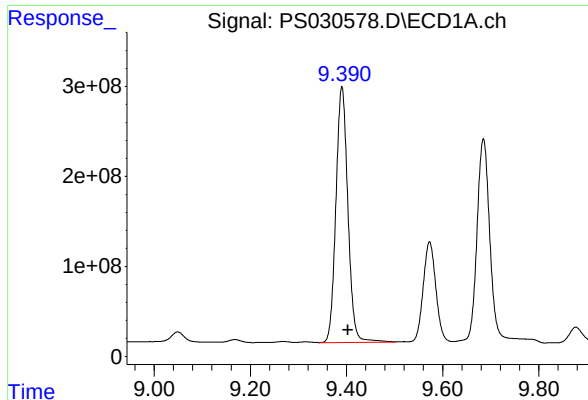
#10 Pentachlorophenol

R.T.: 8.808 min
Delta R.T.: -0.022 min
Response: 12664582590
Conc: 249.37 ng/ml



#10 Pentachlorophenol

R.T.: 9.554 min
Delta R.T.: -0.009 min
Response: 8049719092
Conc: 222.75 ng/ml



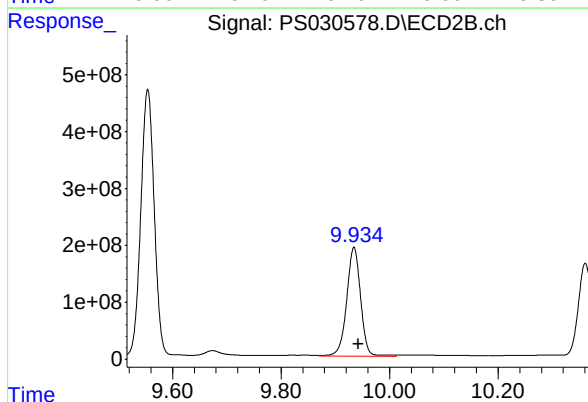
#11 2,4,5-TP (SILVEX)

R.T.: 9.390 min
Delta R.T.: -0.013 min
Response: 4917865684
Conc: 237.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MSD

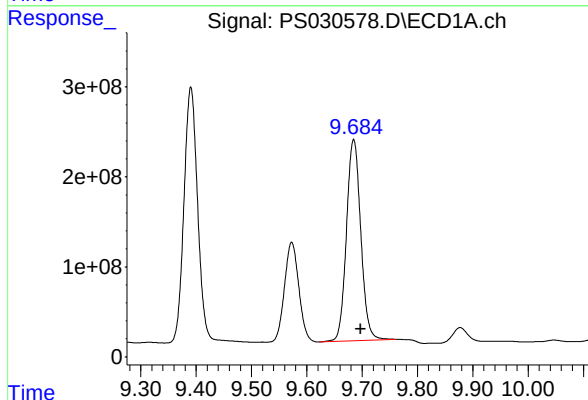
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



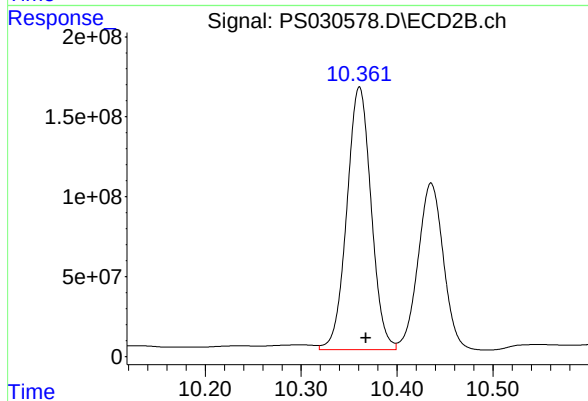
#11 2,4,5-TP (SILVEX)

R.T.: 9.934 min
Delta R.T.: -0.008 min
Response: 3428352064
Conc: 249.94 ng/ml



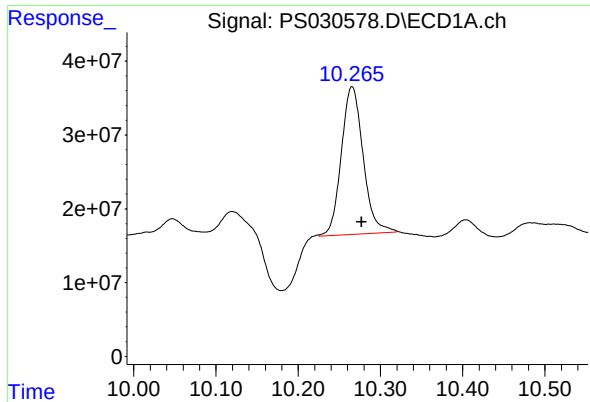
#12 2,4,5-T

R.T.: 9.685 min
Delta R.T.: -0.013 min
Response: 4019066135
Conc: 218.06 ng/ml



#12 2,4,5-T

R.T.: 10.361 min
Delta R.T.: -0.007 min
Response: 2893589353
Conc: 221.61 ng/ml



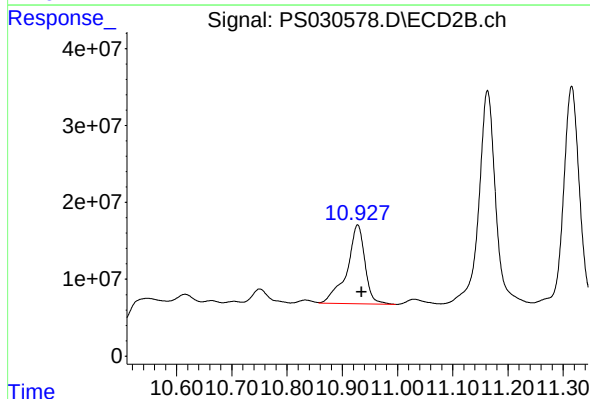
#13 2,4-DB

R.T.: 10.265 min
Delta R.T.: -0.012 min
Response: 369930541
Conc: 121.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MSD

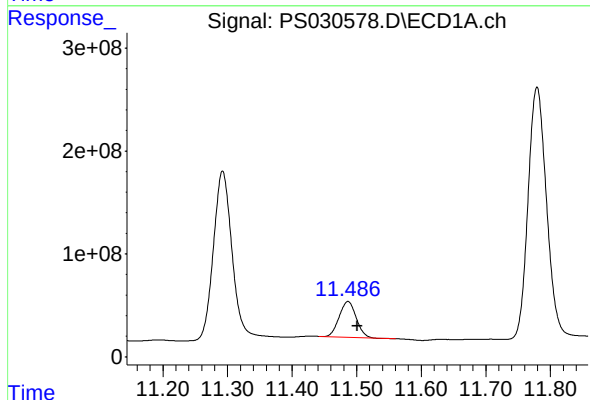
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



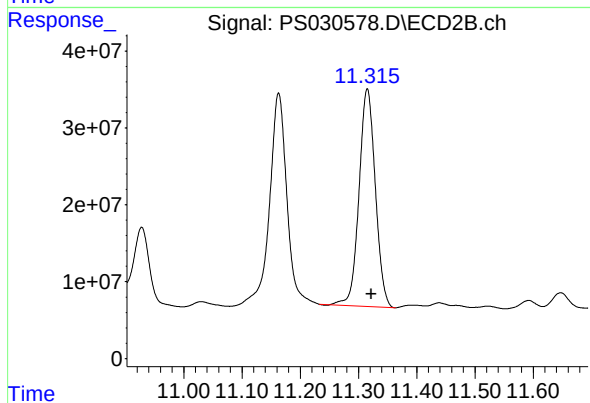
#13 2,4-DB

R.T.: 10.928 min
Delta R.T.: -0.007 min
Response: 233000582
Conc: 202.69 ng/ml



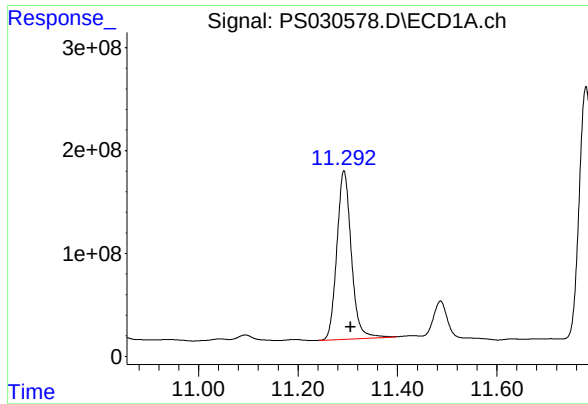
#14 DINOSEB

R.T.: 11.487 min
Delta R.T.: -0.015 min
Response: 634790167
Conc: 44.16 ng/ml



#14 DINOSEB

R.T.: 11.315 min
Delta R.T.: -0.007 min
Response: 548608898
Conc: 54.59 ng/ml



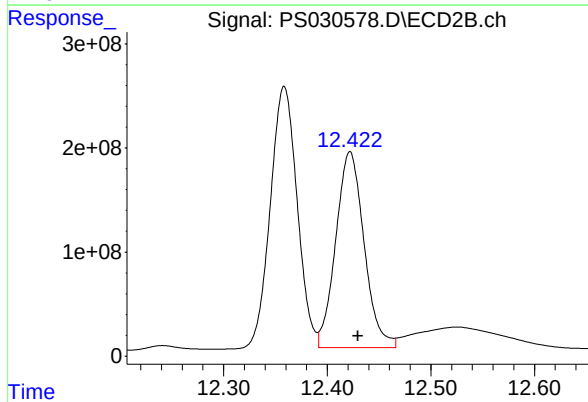
#15 Picloram

R.T.: 11.292 min
Delta R.T.: -0.014 min
Response: 3310262339
Conc: 165.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-3MSD

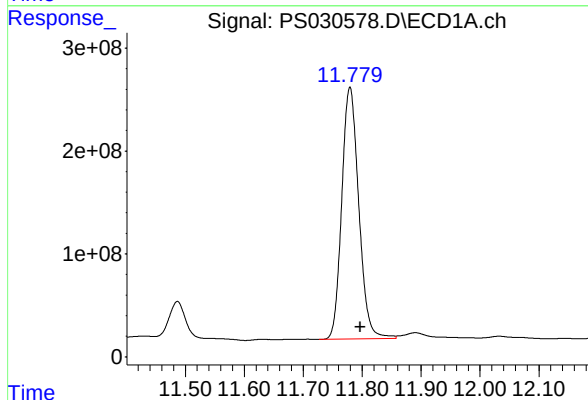
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/10/2025
Supervised By :mohammad ahmed 06/11/2025



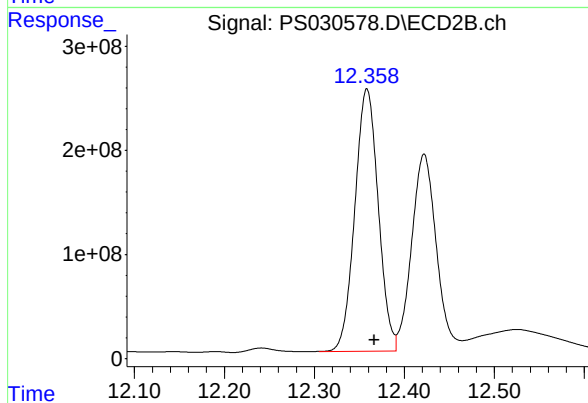
#15 Picloram

R.T.: 12.422 min
Delta R.T.: -0.008 min
Response: 3579169335
Conc: 162.07 ng/ml m



#16 DCPA

R.T.: 11.779 min
Delta R.T.: -0.018 min
Response: 4901579599
Conc: 185.38 ng/ml



#16 DCPA

R.T.: 12.358 min
Delta R.T.: -0.009 min
Response: 4554714101
Conc: 222.58 ng/ml m

Manual Integration Report

Sequence:

PS060425

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030476.D	2,4-DCAA	Abdul	6/5/2025 8:32:30 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC200	PS030476.D	MCPA #2	Abdul	6/5/2025 8:32:30 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC500	PS030477.D	2,4-DCAA	Abdul	6/5/2025 8:32:34 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC750	PS030478.D	2,4-DCAA	Abdul	6/5/2025 8:32:37 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1000	PS030479.D	2,4-DCAA	Abdul	6/5/2025 8:32:40 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1500	PS030480.D	2,4-DCAA	Abdul	6/5/2025 8:32:44 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1500	PS030480.D	MCPA #2	Abdul	6/5/2025 8:32:44 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICV750	PS030481.D	2,4-DCAA	Abdul	6/5/2025 8:32:48 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030483.D	2,4-DCAA	Abdul	6/5/2025 8:32:51 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030483.D	MCPA #2	Abdul	6/5/2025 8:32:51 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168207BS	PS030485.D	2,4-DCAA	Abdul	6/5/2025 8:32:55 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168207BS	PS030485.D	MCPA #2	Abdul	6/5/2025 8:32:55 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q1872-17	PS030486.D	2,4-DB	Abdul	6/5/2025 8:32:58 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

Manual Integration Report

Sequence:

PS060425

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1872-17	PS030486.D	2,4-DB #2	Abdul	6/5/2025 8:32:58 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q1872-17	PS030486.D	2,4-DCAA	Abdul	6/5/2025 8:32:58 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q1872-17	PS030486.D	2,4-DCAA #2	Abdul	6/5/2025 8:32:58 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q1872-17	PS030486.D	DINOSEB #2	Abdul	6/5/2025 8:32:58 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q1872-17DL	PS030487.D	2,4-DB	Abdul	6/5/2025 8:33:03 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q1872-17DL	PS030487.D	2,4-DB #2	Abdul	6/5/2025 8:33:03 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q1872-17DL	PS030487.D	2,4-DCAA	Abdul	6/5/2025 8:33:03 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q1872-17DL	PS030487.D	2,4-DCAA #2	Abdul	6/5/2025 8:33:03 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q1872-17DL	PS030487.D	DINOSEB #2	Abdul	6/5/2025 8:33:03 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	2,4-DB #2	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	2,4-DCAA	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	MCPA #2	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030497.D	2,4-DCAA	Abdul	6/5/2025 3:53:26 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030506.D	2,4-DCAA	Abdul	6/5/2025 11:55:40 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	2,4-D #2	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	2,4-DCAA	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	MCPA #2	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	Picloram	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	2,4-D #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	2,4-DCAA	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	DCPA #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	MCPA #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	Picloram	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

Manual Integration Report

Sequence:	ps060925	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030563.D	2,4-DB	Abdul	6/10/2025 10:45:04 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030563.D	2,4-DCAA	Abdul	6/10/2025 10:45:04 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030563.D	D CPA #2	Abdul	6/10/2025 10:45:04 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030563.D	MCPP	Abdul	6/10/2025 10:45:04 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030563.D	Picloram	Abdul	6/10/2025 10:45:04 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030575.D	2,4-DCAA	Abdul	6/10/2025 10:45:20 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030575.D	D CPA #2	Abdul	6/10/2025 10:45:20 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030575.D	MCPP	Abdul	6/10/2025 10:45:20 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030575.D	Picloram	Abdul	6/10/2025 10:45:20 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	2,4-DB	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	2,4-DCAA #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	Dalapon	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software

Manual Integration Report

Sequence:	ps060925	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2130-01MS	PS030577.D	DCPA #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	DICAMBA #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	MCPA #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	MCPD	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	Picloram	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MS	PS030577.D	Picloram #2	Abdul	6/10/2025 1:52:04 PM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	2,4-D #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	2,4-DB	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	2,4-DCAA #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	Dalapon	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	DCPA #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	DICAMBA #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software

Manual Integration Report

Sequence:

ps060925

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2130-01MSD	PS030578.D	MCPA #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	MCPP	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	Picloram	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
Q2130-01MSD	PS030578.D	Picloram #2	Abdul	6/10/2025 10:45:32 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030580.D	2,4-DCAA	Abdul	6/10/2025 10:45:36 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030580.D	DCCA #2	Abdul	6/10/2025 10:45:36 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030580.D	MCPP	Abdul	6/10/2025 10:45:36 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030580.D	Picloram	Abdul	6/10/2025 10:45:36 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030591.D	2,4-DCAA	Abdul	6/10/2025 10:45:51 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030591.D	DCCA #2	Abdul	6/10/2025 10:45:51 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030591.D	MCPP	Abdul	6/10/2025 10:45:51 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software
HSTDCCC750	PS030591.D	Picloram	Abdul	6/10/2025 10:45:51 AM	mohammad	6/11/2025 2:16:12	Peak Integrated by Software



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

Manual Integration Report

Sequence:

ps060925

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 # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030474.D	04 Jun 2025 10:31	AR\AJ	Ok
2	I.BLK	PS030475.D	04 Jun 2025 10:55	AR\AJ	Ok
3	HSTDICC200	PS030476.D	04 Jun 2025 11:19	AR\AJ	Ok,M
4	HSTDICC500	PS030477.D	04 Jun 2025 11:43	AR\AJ	Ok,M
5	HSTDICC750	PS030478.D	04 Jun 2025 12:07	AR\AJ	Ok,M
6	HSTDICC1000	PS030479.D	04 Jun 2025 12:31	AR\AJ	Ok,M
7	HSTDICC1500	PS030480.D	04 Jun 2025 12:55	AR\AJ	Ok,M
8	HSTDICV750	PS030481.D	04 Jun 2025 13:35	AR\AJ	Ok,M
9	I.BLK	PS030482.D	04 Jun 2025 13:59	AR\AJ	Ok
10	HSTDCCC750	PS030483.D	04 Jun 2025 14:23	AR\AJ	Ok,M
11	PB168207BL	PS030484.D	04 Jun 2025 14:47	AR\AJ	Ok
12	PB168207BS	PS030485.D	04 Jun 2025 15:12	AR\AJ	Ok,M
13	Q1872-17	PS030486.D	04 Jun 2025 15:36	AR\AJ	Dilution
14	Q1872-17DL	PS030487.D	04 Jun 2025 16:00	AR\AJ	Ok,M
15	I.BLK	PS030488.D	04 Jun 2025 16:26	AR\AJ	Ok
16	HSTDCCC750	PS030489.D	04 Jun 2025 16:50	AR\AJ	Ok,M
17	Q2159-01	PS030490.D	04 Jun 2025 17:14	AR\AJ	Ok
18	Q2160-01	PS030491.D	04 Jun 2025 17:38	AR\AJ	Ok
19	Q2160-05	PS030492.D	04 Jun 2025 18:02	AR\AJ	Ok
20	Q2173-06	PS030493.D	04 Jun 2025 18:26	AR\AJ	Ok,M
21	Q2173-12	PS030494.D	04 Jun 2025 18:51	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

22	Q2173-18	PS030495.D	04 Jun 2025 19:15	AR\AJ	Ok,M
23	I.BLK	PS030496.D	04 Jun 2025 19:39	AR\AJ	Ok
24	HSTDCCC750	PS030497.D	04 Jun 2025 20:03	AR\AJ	Ok,M
25	Q2173-06MS	PS030498.D	04 Jun 2025 20:51	AR\AJ	Ok,M
26	Q2173-06MSD	PS030499.D	04 Jun 2025 21:15	AR\AJ	Ok,M
27	Q2160-05MS	PS030500.D	04 Jun 2025 21:40	AR\AJ	Ok,M
28	Q2160-05MSD	PS030501.D	04 Jun 2025 22:04	AR\AJ	Ok,M
29	Q2172-01	PS030502.D	04 Jun 2025 22:28	AR\AJ	Ok
30	Q2185-01	PS030503.D	04 Jun 2025 22:52	AR\AJ	Ok,M
31	Q2185-05	PS030504.D	04 Jun 2025 23:16	AR\AJ	Ok
32	I.BLK	PS030505.D	04 Jun 2025 23:40	AR\AJ	Ok
33	HSTDCCC750	PS030506.D	05 Jun 2025 00:04	AR\AJ	Ok,M
34	Q2177-03	PS030507.D	05 Jun 2025 00:52	AR\AJ	Ok,M
35	Q2177-05	PS030508.D	05 Jun 2025 01:16	AR\AJ	Ok
36	Q2177-07	PS030509.D	05 Jun 2025 01:40	AR\AJ	Ok,M
37	PB168263BL	PS030510.D	05 Jun 2025 02:04	AR\AJ	Ok
38	PB168263BS	PS030511.D	05 Jun 2025 02:28	AR\AJ	Ok,M
39	PB168224TB	PS030512.D	05 Jun 2025 02:53	AR\AJ	Ok
40	PB168254BL	PS030513.D	05 Jun 2025 03:17	AR\AJ	Ok
41	PB168254BS	PS030514.D	05 Jun 2025 03:41	AR\AJ	Ok,M
42	I.BLK	PS030515.D	05 Jun 2025 04:05	AR\AJ	Ok
43	HSTDCCC750	PS030516.D	05 Jun 2025 04:29	AR\AJ	Ok,M
44	Q2176-01	PS030517.D	05 Jun 2025 05:17	AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

45	Q2176-02	PS030518.D	05 Jun 2025 05:41	AR\AJ	Ok,M
46	Q2176-03	PS030519.D	05 Jun 2025 06:05	AR\AJ	Ok
47	Q2176-04	PS030520.D	05 Jun 2025 06:29	AR\AJ	Not Ok
48	Q2176-05	PS030521.D	05 Jun 2025 06:53	AR\AJ	Ok
49	Q2176-06	PS030522.D	05 Jun 2025 07:17	AR\AJ	Ok,M
50	Q2176-07	PS030523.D	05 Jun 2025 07:41	AR\AJ	Ok,M
51	Q2176-08	PS030524.D	05 Jun 2025 08:05	AR\AJ	Ok
52	I.BLK	PS030525.D	05 Jun 2025 08:29	AR\AJ	Ok
53	HSTDCCC750	PS030526.D	05 Jun 2025 08:53	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060925

Review By	Abdul	Review On	6/10/2025 10:46:12 AM
Supervise By	mohammad	Supervise On	6/11/2025 2:16:12 AM
SubDirectory	PS060925	HP Acquire Method	HP Processing Method ps060425 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030561.D	09 Jun 2025 11:29	AR\AJ	Ok
2	I.BLK	PS030562.D	09 Jun 2025 11:53	AR\AJ	Ok
3	HSTDCCC750	PS030563.D	09 Jun 2025 12:17	AR\AJ	Ok,M
4	Q2235-03	PS030564.D	09 Jun 2025 13:21	AR\AJ	Ok,M
5	Q2236-03	PS030565.D	09 Jun 2025 13:45	AR\AJ	Ok
6	Q2236-07	PS030566.D	09 Jun 2025 14:09	AR\AJ	Ok
7	Q2236-11	PS030567.D	09 Jun 2025 14:33	AR\AJ	Ok
8	Q2236-15	PS030568.D	09 Jun 2025 14:57	AR\AJ	Ok
9	Q2236-19	PS030569.D	09 Jun 2025 15:22	AR\AJ	Ok
10	Q2198-02	PS030570.D	09 Jun 2025 15:46	AR\AJ	Ok,M
11	Q2198-04	PS030571.D	09 Jun 2025 16:10	AR\AJ	Ok
12	Q2198-04MS	PS030572.D	09 Jun 2025 16:34	AR\AJ	Ok,M
13	Q2198-04MSD	PS030573.D	09 Jun 2025 16:58	AR\AJ	Ok,M
14	I.BLK	PS030574.D	09 Jun 2025 17:22	AR\AJ	Ok
15	HSTDCCC750	PS030575.D	09 Jun 2025 17:46	AR\AJ	Ok,M
16	Q2130-01	PS030576.D	09 Jun 2025 18:17	AR\AJ	Ok,M
17	Q2130-01MS	PS030577.D	09 Jun 2025 18:41	AR\AJ	Ok,M
18	Q2130-01MSD	PS030578.D	09 Jun 2025 19:05	AR\AJ	Ok,M
19	I.BLK	PS030579.D	09 Jun 2025 19:29	AR\AJ	Ok
20	HSTDCCC750	PS030580.D	09 Jun 2025 19:53	AR\AJ	Ok,M
21	Q2206-01	PS030581.D	09 Jun 2025 20:17	AR\AJ	ReRun

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060925

Review By	Abdul	Review On	6/10/2025 10:46:12 AM
Supervise By	mohammad	Supervise On	6/11/2025 2:16:12 AM
SubDirectory	PS060925	HP Acquire Method	HP Processing Method ps060425 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

22	Q2226-01	PS030582.D	09 Jun 2025 20:41	AR\AJ	Ok
23	Q2240-01	PS030583.D	09 Jun 2025 21:05	AR\AJ	Not Ok
24	Q2240-05	PS030584.D	09 Jun 2025 21:29	AR\AJ	Not Ok
25	Q2240-09	PS030585.D	09 Jun 2025 21:53	AR\AJ	Not Ok
26	Q2241-01	PS030586.D	09 Jun 2025 22:17	AR\AJ	Ok
27	Q2241-05	PS030587.D	09 Jun 2025 22:42	AR\AJ	Ok
28	Q2242-01	PS030588.D	09 Jun 2025 23:06	AR\AJ	Ok
29	Q2244-01	PS030589.D	09 Jun 2025 23:30	AR\AJ	Ok
30	I.BLK	PS030590.D	09 Jun 2025 23:54	AR\AJ	Ok
31	HSTDCCC750	PS030591.D	10 Jun 2025 00:18	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030474.D	04 Jun 2025 10:31		AR\AJ	Ok
2	I.BLK	I.BLK	PS030475.D	04 Jun 2025 10:55		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030476.D	04 Jun 2025 11:19		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030477.D	04 Jun 2025 11:43		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS030478.D	04 Jun 2025 12:07		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030479.D	04 Jun 2025 12:31		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030480.D	04 Jun 2025 12:55		AR\AJ	Ok,M
8	HSTDICV750	ICVPS060425	PS030481.D	04 Jun 2025 13:35		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030482.D	04 Jun 2025 13:59		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030483.D	04 Jun 2025 14:23		AR\AJ	Ok,M
11	PB168207BL	PB168207BL	PS030484.D	04 Jun 2025 14:47		AR\AJ	Ok
12	PB168207BS	PB168207BS	PS030485.D	04 Jun 2025 15:12		AR\AJ	Ok,M
13	Q1872-17	HW0425-PT-HERB-SO	PS030486.D	04 Jun 2025 15:36	Need dilution	AR\AJ	Dilution
14	Q1872-17DL	HW0425-PT-HERB-SO	PS030487.D	04 Jun 2025 16:00		AR\AJ	Ok,M
15	I.BLK	I.BLK	PS030488.D	04 Jun 2025 16:26		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS030489.D	04 Jun 2025 16:50		AR\AJ	Ok,M
17	Q2159-01	TP05-MHO-WC	PS030490.D	04 Jun 2025 17:14		AR\AJ	Ok
18	Q2160-01	TP04-MHG-WC	PS030491.D	04 Jun 2025 17:38		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24562		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2160-05	TP05-MHH-WC	PS030492.D	04 Jun 2025 18:02		AR\AJ	Ok
20	Q2173-06	OR-400-CF-402B-COM	PS030493.D	04 Jun 2025 18:26		AR\AJ	Ok,M
21	Q2173-12	OR-400-CF-402B-COM	PS030494.D	04 Jun 2025 18:51		AR\AJ	Ok,M
22	Q2173-18	OR-400-CF-402B-COM	PS030495.D	04 Jun 2025 19:15		AR\AJ	Ok,M
23	I.BLK	I.BLK	PS030496.D	04 Jun 2025 19:39		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS030497.D	04 Jun 2025 20:03		AR\AJ	Ok,M
25	Q2173-06MS	OR-400-CF-402B-COM	PS030498.D	04 Jun 2025 20:51	Comp#1,3 recovery fail	AR\AJ	Ok,M
26	Q2173-06MSD	OR-400-CF-402B-COM	PS030499.D	04 Jun 2025 21:15	Comp#1,3,14 recovery fail ,RPD Fail	AR\AJ	Ok,M
27	Q2160-05MS	TP05-MHH-WCMS	PS030500.D	04 Jun 2025 21:40	Comp#1,10 recovery fail	AR\AJ	Ok,M
28	Q2160-05MSD	TP05-MHH-WCMSD	PS030501.D	04 Jun 2025 22:04	Comp#1,10 recovery fail	AR\AJ	Ok,M
29	Q2172-01	TP06-MHQ	PS030502.D	04 Jun 2025 22:28		AR\AJ	Ok
30	Q2185-01	TP02-MHB-WC	PS030503.D	04 Jun 2025 22:52		AR\AJ	Ok,M
31	Q2185-05	TP01-MHA-WC	PS030504.D	04 Jun 2025 23:16		AR\AJ	Ok
32	I.BLK	I.BLK	PS030505.D	04 Jun 2025 23:40		AR\AJ	Ok
33	HSTDCCC750	HSTDCCC750	PS030506.D	05 Jun 2025 00:04		AR\AJ	Ok,M
34	Q2177-03	B-187-SB01	PS030507.D	05 Jun 2025 00:52		AR\AJ	Ok,M
35	Q2177-05	B-187-SB02	PS030508.D	05 Jun 2025 01:16		AR\AJ	Ok
36	Q2177-07	B-202-SB01	PS030509.D	05 Jun 2025 01:40		AR\AJ	Ok,M
37	PB168263BL	PB168263BL	PS030510.D	05 Jun 2025 02:04		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24562		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	PB168263BS	PB168263BS	PS030511.D	05 Jun 2025 02:28		AR\AJ	Ok,M
39	PB168224TB	PB168224TB	PS030512.D	05 Jun 2025 02:53		AR\AJ	Ok
40	PB168254BL	PB168254BL	PS030513.D	05 Jun 2025 03:17		AR\AJ	Ok
41	PB168254BS	PB168254BS	PS030514.D	05 Jun 2025 03:41		AR\AJ	Ok,M
42	I.BLK	I.BLK	PS030515.D	05 Jun 2025 04:05		AR\AJ	Ok
43	HSTDCCC750	HSTDCCC750	PS030516.D	05 Jun 2025 04:29		AR\AJ	Ok,M
44	Q2176-01	TP-46	PS030517.D	05 Jun 2025 05:17		AR\AJ	Ok
45	Q2176-02	TP-56	PS030518.D	05 Jun 2025 05:41		AR\AJ	Ok,M
46	Q2176-03	TP-25	PS030519.D	05 Jun 2025 06:05		AR\AJ	Ok
47	Q2176-04	TP-26	PS030520.D	05 Jun 2025 06:29	Surrogate low in both column	AR\AJ	Not Ok
48	Q2176-05	TP-28	PS030521.D	05 Jun 2025 06:53		AR\AJ	Ok
49	Q2176-06	TP-27	PS030522.D	05 Jun 2025 07:17		AR\AJ	Ok,M
50	Q2176-07	TP-31	PS030523.D	05 Jun 2025 07:41		AR\AJ	Ok,M
51	Q2176-08	TP-65	PS030524.D	05 Jun 2025 08:05		AR\AJ	Ok
52	I.BLK	I.BLK	PS030525.D	05 Jun 2025 08:29		AR\AJ	Ok
53	HSTDCCC750	HSTDCCC750	PS030526.D	05 Jun 2025 08:53		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060925

Review By	Abdul	Review On	6/10/2025 10:46:12 AM
Supervise By	mohammad	Supervise On	6/11/2025 2:16:12 AM
SubDirectory	PS060925	HP Acquire Method	HP Processing Method ps060425 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030561.D	09 Jun 2025 11:29		AR\AJ	Ok
2	I.BLK	I.BLK	PS030562.D	09 Jun 2025 11:53		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030563.D	09 Jun 2025 12:17	Picloram low in 1st column	AR\AJ	Ok,M
4	Q2235-03	WC-A2-08-C	PS030564.D	09 Jun 2025 13:21		AR\AJ	Ok,M
5	Q2236-03	WC-A4-05A-C	PS030565.D	09 Jun 2025 13:45		AR\AJ	Ok
6	Q2236-07	WC-A2-04-C	PS030566.D	09 Jun 2025 14:09		AR\AJ	Ok
7	Q2236-11	WC-A2-05-C	PS030567.D	09 Jun 2025 14:33		AR\AJ	Ok
8	Q2236-15	WC-A2-06-C	PS030568.D	09 Jun 2025 14:57		AR\AJ	Ok
9	Q2236-19	WC-A2-07-C	PS030569.D	09 Jun 2025 15:22		AR\AJ	Ok
10	Q2198-02	B-202-SB02	PS030570.D	09 Jun 2025 15:46		AR\AJ	Ok,M
11	Q2198-04	B-207-SB02	PS030571.D	09 Jun 2025 16:10		AR\AJ	Ok
12	Q2198-04MS	B-207-SB02MS	PS030572.D	09 Jun 2025 16:34	some compound recovery fail	AR\AJ	Ok,M
13	Q2198-04MSD	B-207-SB02MSD	PS030573.D	09 Jun 2025 16:58	some compound recovery fail	AR\AJ	Ok,M
14	I.BLK	I.BLK	PS030574.D	09 Jun 2025 17:22		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS030575.D	09 Jun 2025 17:46		AR\AJ	Ok,M
16	Q2130-01	TP-3	PS030576.D	09 Jun 2025 18:17		AR\AJ	Ok,M
17	Q2130-01MS	TP-3MS	PS030577.D	09 Jun 2025 18:41		AR\AJ	Ok,M
18	Q2130-01MSD	TP-3MSD	PS030578.D	09 Jun 2025 19:05		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060925

Review By	Abdul	Review On	6/10/2025 10:46:12 AM
Supervise By	mohammad	Supervise On	6/11/2025 2:16:12 AM
SubDirectory	PS060925	HP Acquire Method	HP Processing Method ps060425 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

19	I.BLK	I.BLK	PS030579.D	09 Jun 2025 19:29		AR\AJ	Ok
20	HSTDCCC750	HSTDCCC750	PS030580.D	09 Jun 2025 19:53		AR\AJ	Ok,M
21	Q2206-01	TP-1	PS030581.D	09 Jun 2025 20:17	Surrogate low in 2nd column	AR\AJ	ReRun
22	Q2226-01	TP06-MHI-WC	PS030582.D	09 Jun 2025 20:41		AR\AJ	Ok
23	Q2240-01	TP-3	PS030583.D	09 Jun 2025 21:05	2,4-D hit	AR\AJ	Not Ok
24	Q2240-05	TP-2	PS030584.D	09 Jun 2025 21:29	Surrogate low in both column	AR\AJ	Not Ok
25	Q2240-09	TP-1	PS030585.D	09 Jun 2025 21:53	Surrogate low in both column	AR\AJ	Not Ok
26	Q2241-01	TP-N	PS030586.D	09 Jun 2025 22:17		AR\AJ	Ok
27	Q2241-05	TP-S	PS030587.D	09 Jun 2025 22:42		AR\AJ	Ok
28	Q2242-01	TP09-MHJ	PS030588.D	09 Jun 2025 23:06		AR\AJ	Ok
29	Q2244-01	TP03-MHC	PS030589.D	09 Jun 2025 23:30		AR\AJ	Ok
30	I.BLK	I.BLK	PS030590.D	09 Jun 2025 23:54		AR\AJ	Ok
31	HSTDCCC750	HSTDCCC750	PS030591.D	10 Jun 2025 00:18		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135545

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1869-01	MH-F	1	1.14	10.43	11.57	10.47	89.5	
Q1869-02	MH-F-EPH	2	1.18	9.96	11.14	10.12	89.8	
Q1869-03	MH-F-VOC	3	1.16	10.28	11.44	10.4	89.9	
Q1871-01	MH-A	4	1.14	9.59	10.73	9.86	90.9	
Q1871-02	MH-A-EPH	5	1.18	9.97	11.15	10.25	91.0	
Q1871-03	MH-A-VOC	6	1.15	10.22	11.37	10.47	91.2	
Q1871-05	MH-B	7	1.18	10.31	11.49	10.58	91.2	
Q1871-06	MH-B-EPH	8	1.16	9.63	10.79	10.05	92.3	
Q1871-07	MH-B-VOC	9	1.18	10.35	11.53	10.75	92.5	
Q1872-01	HW0425-PT-AN-SOIL	31	1.00	1.00	2.00	2.00	100.0	
Q1872-02	HW0425-PT-CORR-SOIL	32	1.00	1.00	2.00	2.00	100.0	
Q1872-03	HW0425-PT-CN-SOIL	33	1.00	1.00	2.00	2.00	100.0	
Q1872-04	HW0425-PT-CN-SOIL	34	1.00	1.00	2.00	2.00	100.0	
Q1872-05	HW0425-PT-FP-SOIL	35	1.00	1.00	2.00	2.00	100.0	
Q1872-06	HW0425-PT-CR6-SOIL	36	1.00	1.00	2.00	2.00	100.0	
Q1872-07	HW0425-PT-NUT-SOIL	37	1.00	1.00	2.00	2.00	100.0	
Q1872-08	HW0425-PT-NUT-SOIL	38	1.00	1.00	2.00	2.00	100.0	
Q1872-09	HW0425-PT-OGR-SOIL	39	1.00	1.00	2.00	2.00	100.0	
Q1872-10	HW0425-PT-MET-SOIL	40	1.00	1.00	2.00	2.00	100.0	
Q1872-11	HW0425-PT-BNA-SOIL	41	1.00	1.00	2.00	2.00	100.0	
Q1872-12	HW0425-PT-TRIAZINE-SOIL	42	1.00	1.00	2.00	2.00	100.0	
Q1872-13	HW0425-PT-PAH-SOIL	43	1.00	1.00	2.00	2.00	100.0	
Q1872-14	HW0425-PT-DIES-SOIL	44	1.00	1.00	2.00	2.00	100.0	
Q1872-15	HW0425-PT-GAS-SOIL	45	1.00	1.00	2.00	2.00	100.0	
Q1872-16	HW0425-PT-NJEPH-SOIL	46	1.00	1.00	2.00	2.00	100.0	
Q1872-17	HW0425-PT-HERB-SOIL	47	1.00	1.00	2.00	2.00	100.0	
Q1872-18	HW0425-PT-PCB-SOIL	48	1.00	1.00	2.00	2.00	100.0	
Q1872-19	HW0425-PT-PCBO-SOIL	49	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135545

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1872-20	HW0425-PT-PEST-SOIL	50	1.00	1.00	2.00	2.00	100.0	
Q1872-21	HW0425-PT-CHLR-SOIL	51	1.00	1.00	2.00	2.00	100.0	
Q1872-22	HW0425-PT-TXP-SOIL	52	1.00	1.00	2.00	2.00	100.0	
Q1872-23	HW0425-PT-VOA-SOIL	53	1.00	1.00	2.00	2.00	100.0	
Q1872-25	HW0425-PT-NO2-SOIL	54	1.00	1.00	2.00	2.00	100.0	
Q1873-01	CAM-40619	10	1.14	10.70	11.84	4.97	35.8	
Q1873-02	CAM-40620	11	1.15	10.42	11.57	6.19	48.4	
Q1873-03	CAM-40619-20	12	1.18	10.21	11.39	4.77	35.2	
Q1874-01	VNJ-236	13	1.19	10.45	11.64	10.89	92.8	
Q1874-03	RT1491	14	1.19	11.16	12.35	11.43	91.8	
Q1874-05	HT3727	15	1.16	10.63	11.79	11.06	93.1	
Q1875-01	AUD-25-0053	16	1.14	10.75	11.89	11.19	93.5	
Q1875-03	AUD-25-0054	17	1.14	10.02	11.16	10.52	93.6	
Q1875-04	AUD-25-0024	18	1.14	10.03	11.17	10.77	96.0	
Q1876-01	AUD-25-0058	19	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-02	AUD-25-0059	20	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-03	AUD-25-0060	21	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-04	AUD-25-0061	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-05	AUD-25-0062	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-06	AUD-25-0063	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-07	AUD-25-0064	25	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-08	AUD-25-0065	26	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1876-09	AUD-25-0066	27	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1877-01	AU-6-042425	55	1.14	10.25	11.39	10.72	93.5	
Q1877-02	AU-6-042425	28	1.14	10.21	11.35	10.54	92.1	
Q1878-01	TR-4-042425	29	1.14	10.17	11.31	11.2	98.9	
Q1878-02	TR-4-042425-E2	30	1.19	10.28	11.47	10.92	94.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UR 135545

WorkList Name : %1-042425

WorkList ID : 189122

Department : Wet-Chemistry

Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1869-01	MH-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-02	MH-F-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1869-03	MH-F-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-01	MH-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-02	MH-A-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-03	MH-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-05	MH-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-06	MH-B-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1871-07	MH-B-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1872-01	HW0425-PT-AN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-02	HW0425-PT-CORR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-03	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-04	HW0425-PT-CN-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-05	HW0425-PT-FP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-06	HW0425-PT-CR6-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-07	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-08	HW0425-PT-NUT-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-09	HW0425-PT-OGR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-10	HW0425-PT-MET-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-11	HW0425-PT-BNA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-12	HW0425-PT-TRIAZINE-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO

Date/Time 04/24/25 15430
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 04/24/25
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

135545

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-042425 WorkList ID : 189122 Department : Wet-Chemistry Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-13	HW0425-PT-PAH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-14	HW0425-PT-DIES-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-15	HW0425-PT-GAS-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-16	HW0425-PT-NJEPH-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-17	HW0425-PT-HERB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-18	HW0425-PT-PCB-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-19	HW0425-PT-PCBO-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-20	HW0425-PT-PEST-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-21	HW0425-PT-CHLR-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-22	HW0425-PT-TXP-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-23	HW0425-PT-VOA-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1872-25	HW0425-PT-NO2-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1873-01	CAM-40619	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-02	CAM-40620	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1873-03	CAM-40619-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1874-01	VNJ-236	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-03	RT1491	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1874-05	HT3727	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1875-01	AUD-25-0053	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-03	AUD-25-0054	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO
Q1875-04	AUD-25-0024	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/24/2025	Chemtech -SO

Date/Time 04/24/25 15:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

27 135545

WorkList Name : %1-042425 WorkList ID : 189122 Department : Wet-Chemistry Date : 04-24-2025 08:52:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1876-01	AUD-25-0058	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-02	AUD-25-0059	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-03	AUD-25-0060	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-04	AUD-25-0061	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-05	AUD-25-0062	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-06	AUD-25-0063	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-07	AUD-25-0064	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-08	AUD-25-0065	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1876-09	AUD-25-0066	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/24/2025	Chemtech -SO
Q1877-01	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1877-02	AU-6-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-01	TR-4-042425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO
Q1878-02	TR-4-042425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/24/2025	Chemtech -SO

Date/Time 04/24/25 15:30
 Raw Sample Received by: 280001
 Raw Sample Relinquished by: 280001

Date/Time 04/24/25 17:25
 Raw Sample Received by: 280001
 Raw Sample Relinquished by: 280001



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135575

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1872-24	HW0425-PT-SOL-SOIL	8	0.92	10.30	11.22	8.82	76.7	
Q1901-01	B-170-SB00	1	1.14	5.55	6.69	6.28	92.6	
Q1901-02	B-167-SB01	2	1.14	10.22	11.36	9.58	82.6	
Q1901-03	B-170-SB01	3	1.19	10.31	11.5	9.75	83.0	
Q1901-04	B-167-SB02	4	1.15	9.78	10.93	6.35	53.2	
Q1901-05	B-170-SB02	5	1.14	10.16	11.3	8.77	75.1	
Q1902-01	343	6	1.19	10.23	11.42	10.7	93.0	
Q1902-02	343	7	1.13	10.19	11.32	10.33	90.3	
Q1903-01	COMP-4	9	1.18	11.14	12.32	10.46	83.3	
Q1903-02	COMP-5	10	1.16	10.50	11.66	9.44	78.9	
Q1903-03	COMP-6	11	1.17	10.60	11.77	10.06	83.9	
Q1904-01	VNJ-210	12	1.19	10.39	11.58	10.6	90.6	
Q1905-01	MH-G	13	1.15	10.35	11.5	10.38	89.2	
Q1905-02	MH-G-EPH	14	1.16	9.65	10.81	9.71	88.6	
Q1905-03	MH-G-VOC	15	1.16	10.33	11.49	10.36	89.1	
Q1905-05	MH-H	16	1.12	10.03	11.15	10.5	93.5	
Q1905-06	MH-H-EPH	17	1.13	10.30	11.43	10.5	91.0	
Q1905-07	MH-H-VOC	18	1.12	10.03	11.15	10.01	88.6	
Q1906-01	WC-4	19	1.15	9.85	11.00	10.14	91.3	
Q1906-02	WC-4-EPH	20	1.16	9.97	11.13	10.17	90.4	
Q1906-03	WC-4-VOC	21	1.18	9.99	11.17	9.91	87.4	
Q1906-05	WC-5	22	1.16	10.82	11.98	10.19	83.5	
Q1906-06	WC-5-EPH	23	1.13	10.41	11.54	9.94	84.6	
Q1906-07	WC-5-VOC	24	1.18	10.47	11.65	11.63	99.8	
Q1906-09	WC-6	25	1.14	10.04	11.18	10.4	92.2	
Q1906-10	WC-6-EPH	26	1.15	10.77	11.92	10.23	84.3	
Q1906-11	WC-6-VOC	27	1.14	10.47	11.61	10.86	92.8	
Q1906-13	WC-7	28	1.14	10.85	11.99	10.31	84.5	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135575

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1906-14	WC-7-EPH	29	1.12	9.86	10.98	9.7	87.0	
Q1906-15	WC-7-VOC	30	1.13	10.27	11.4	10.23	88.6	
Q1907-01	CO-8R-WC	31	1.13	10.26	11.39	9.81	84.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042825

WorkList ID : 189159

Department : Wet-Chemistry

Date : 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-24	HW0425-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1903-01	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-02	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-03	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1901-01	B-170-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-02	B-167-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-03	B-170-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-04	B-167-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-05	B-170-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1902-01	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1902-02	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1904-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-13	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-14	WC-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-15	WC-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-06	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-07	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 04/28/25 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

Handwritten signature

WorkList Name : %1-042825 WorkList ID : 189159 Department : Wet-Chemistry Date : 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1906-09	WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-10	WC-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-11	WC-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-01	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-02	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-03	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1907-01	CO-8R-WC	Solid	Percent Solids	Cool 4 deg C	WALS01	L51	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15
 Raw Sample Received by: *Handwritten signature*
 Raw Sample Relinquished by: *Handwritten signature*

Date/Time 04/28/25 17:30
 Raw Sample Received by: *Handwritten signature*
 Raw Sample Relinquished by: *Handwritten signature*

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Extraction Start Date : 05/30/2025

Matrix : Solid

Extraction Start Time : 08:20

Welgh By: EH

Extraction By: RJ

Extraction End Date : 05/30/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 16:00

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3880

Hood ID: 3,4,5,7

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel

☐ Continious 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	PP24595
Surrogate	1.0ML	5000 PPB	PP24601
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Acidified Na2SO4	N/A	EP2576
Sand	N/A	E2865
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2616
Methylene Chloride	N/A	E3939
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3881
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2618
Hexane	N/A	E3938
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 BTS723.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

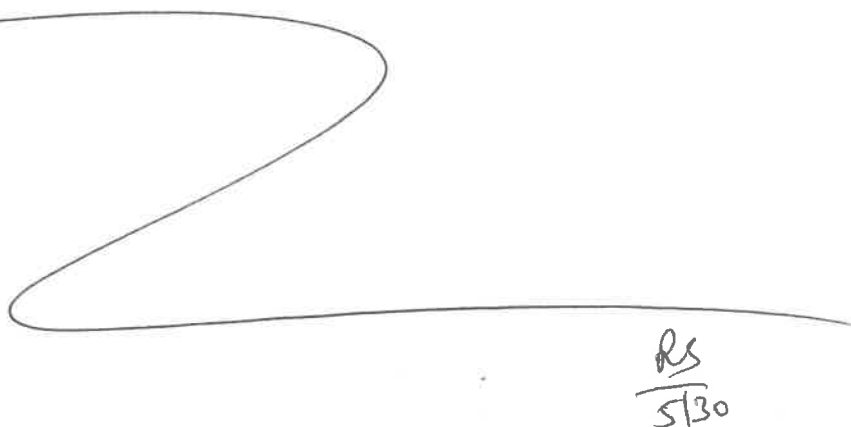
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/30/25	RS (Ext Lab)	R. Pest/PCB Lab
16:05	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 05/30/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168207BL	HBLK207	Herbicide	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168207BS	HLCS207	Herbicide	30.02	N/A	ritesh	Evelyn	10			2
Q1872-17	HW0425-PT-HERB-SOIL	Herbicide Group1	30.09	N/A	ritesh	Evelyn	10	A		3
Q2130-01	TP-3	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q2130-01MS	TP-3MS	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		5
Q2130-01MS D	TP-3MSD	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		6
Q2146-01	TP04-MHN-WC	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		U3-1
Q2150-01	TP-44	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		2
Q2150-02	TP-42	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2150-03	TP-39	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q2150-04	TP-48	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		5
Q2150-05	TP-47	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		6
Q2150-06	TP-50	Herbicide	30.09	N/A	ritesh	Evelyn	10	E		U6-1
Q2150-07	TP-51	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		2
Q2150-08	TP-52	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2150-09	TP-54	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		4
Q2150-10	TP-53	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		5
Q2151-01	WC-1	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		6



RS
5/30

168207
02-20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2130H WorkList ID : 189834 Department : Extraction Date : 05-30-2025 08:15:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-17	HW0425-PT-HERB-SOIL	Solid	Herbicide Group1	Cool 4 deg C	ALLI03	QA 01	04/21/2025	8151A
Q2130-01	TP-3	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/27/2025	8151A
Q2146-01	TP04-MHN-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L31	05/27/2025	8151A
Q2150-01	TP-44	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-02	TP-42	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-03	TP-39	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-04	TP-48	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-05	TP-47	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-06	TP-50	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-07	TP-51	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/27/2025	8151A
Q2150-08	TP-52	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/28/2025	8151A
Q2150-09	TP-54	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/28/2025	8151A
Q2150-10	TP-53	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/28/2025	8151A
Q2151-01	WC-1	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/29/2025	8151A

Date/Time 05/30/25 8:15
Raw Sample Received by: RJ (Ext-66b)
Raw Sample Relinquished by: [Signature] (Ext-66b)

Date/Time 05/30/25 8:45
Raw Sample Received by: [Signature] 84
Raw Sample Relinquished by: RJ (Ext-66b)

Prep Standard - Chemical Standard Summary

Order ID : Q1872

Test : Herbicide Group1

Prepbatch ID : PB168207,

Sequence ID/Qc Batch ID: PS060425,ps060925,

Standard ID :

EP2576,EP2612,PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560,PP24561,PP24562,PP24595,PP24601,

Chemical ID :

E2865,E3370,E3551,E3930,E3932,E3933,M5173,M6151,P11183,P12620,P12630,P12689,P12710,P13535,P13536,P13542,P13971,P13972,P13973,P13974,P13975,P8829,

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

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

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



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

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

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1456	200 PPB Herb MIX STD	PP24556	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.90000ml of E3933 + 0.10000ml of PP24553 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1455	500 PPB Herb MIX STD	PP24557	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.75000ml of E3933 + 0.25000ml of PP24553 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1453	1000 PPB Herb MIX STD	PP24558	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.50000ml of E3933 + 0.50000ml of PP24553 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1454	750 PPB Herb MIX STD	PP24559	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24558 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1452	1500 PPB HERB MIX STD	PP24560	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24553 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1854	1000 PPB HERB MIX ICV STD	PP24561	05/12/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.50000ml of E3933 + 0.50000ml of PP24554 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1691	750 PPB ICV HERB STD	PP24562	05/12/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24561 = 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>
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24595	05/20/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.50000ml of P13542 + 1.00000ml of P13535 + 1.00000ml of P13536 + 47.50000ml of E3932 = 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)	PP24601	05/22/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025
<u>FROM</u>	1.25000ml of P13972 + 1.25000ml of P13973 + 1.25000ml of P13974 + 1.25000ml of P13975 + 195.00000ml of E3933 = 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-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9244-03 / Ether, Anhydrous, Purified (cs/4x4L)	0000288039	07/17/2025	08/01/2022 / Rajesh	07/13/2022 / Rajesh	E3370

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	08/18/2025	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	11/12/2025	05/12/2025 / Abdul	11/01/2021 / Abdul	P11183

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12620

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A192429	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32059 / Herbicide Mix#3 (Methyl Ester), 20000 ug/ml	A0199844	11/12/2025	05/12/2025 / Abdul	07/24/2023 / Abdul	P12689

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	08/12/2025	05/12/2025 / Abdul	08/09/2023 / Abdul	P12710

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	08/12/2025	05/12/2025 / Abdul	08/09/2023 / Abdul	P12710

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	11/20/2025	05/20/2025 / Abdul	09/03/2024 / Abdul	P13535

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	11/20/2025	05/20/2025 / Abdul	09/03/2024 / Abdul	P13535

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	11/20/2025	05/20/2025 / Abdul	09/03/2024 / Abdul	P13536

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	11/20/2025	05/20/2025 / Abdul	09/03/2024 / Abdul	P13536

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	11/20/2025	05/20/2025 / Abdul	09/24/2024 / Abdul	P13542

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	11/20/2025	05/20/2025 / Abdul	09/24/2024 / Abdul	P13542

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/12/2025	05/12/2025 / Abdul	04/02/2025 / Abdul	P13971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/22/2025	05/22/2025 / Abdul	04/02/2025 / Abdul	P13972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/22/2025	05/22/2025 / Abdul	04/02/2025 / Abdul	P13973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/22/2025	05/22/2025 / Abdul	04/02/2025 / Abdul	P13974

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0221255	11/22/2025	05/22/2025 / Abdul	04/02/2025 / Abdul	P13975

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32254 / Dalapon Methyl Ester, 1000 ug/ml	A0148063	11/12/2025	05/12/2025 / Abdul	08/16/2019 / Stephen	P8829

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

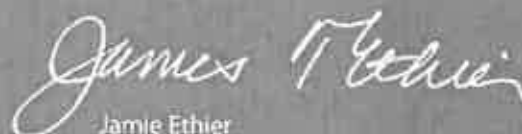
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Ether, Anhydrous
BAKER ANALYZED® A.C.S. Reagent
Contains BHT as a Preservative
Suitable for Fat Extraction



Material No.: 9244-03
Batch No.: 0000288039
Manufactured Date: 2021/07/22
Expiration Date: 2023/07/22
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

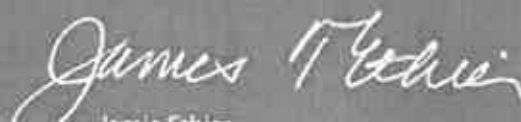
Test	Specification	Result
Assay ((C ₂ H ₅) ₂ O) (by GC, corrected for water)	>= 99.0 %	100.0
Alcohol (C ₂ H ₅ OH)	Passes Test	PT
Carbonyl Compounds (as HCHO) (by polarography)	<= 0.001 %	< 0.001
Color (APHA)	<= 10	< 5
Peroxide (as H ₂ O ₂)	<= 1 ppm	< 1
Preservative (BHT)	>= 7 ppm	9
Residue after Evaporation	<= 0.0010 %	< 0.0010
Titration Acid (μeq/g)	<= 0.2	< 0.2
Water (by KF, coulometric)	<= 0.01 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US

Recd. by RP on 7/13/22

E 3370


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 ppm
Titration Acid (μ eq/g)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantorsTM**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3933



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

 **avantor™**



M6151

R → 11/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl ₂)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO ₄)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO ₃)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH ₄)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

 **avantorsm**



Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA–ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
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For Laboratory, Research, or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

A handwritten signature in cursive script that reads 'Jamie Ethier'.
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:

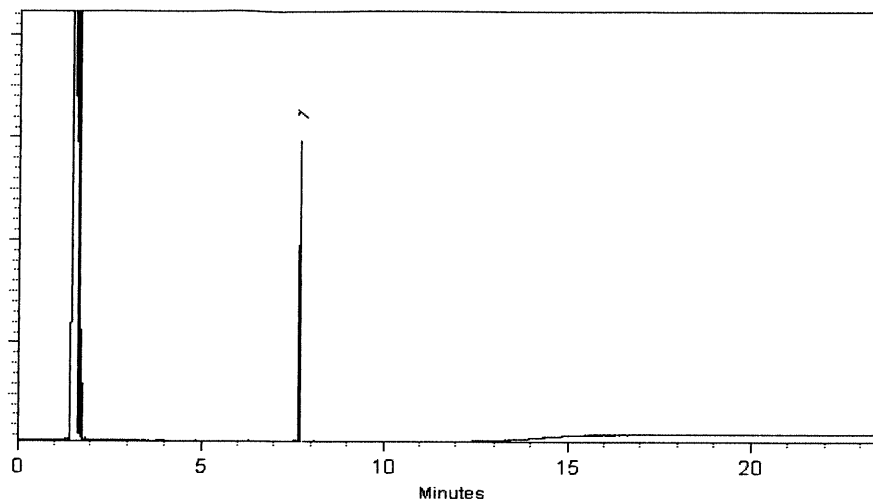
250°C

Det. Temp:

330°C

Det. Type:

FID

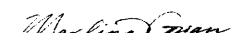


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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
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AR
01/02/21



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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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:

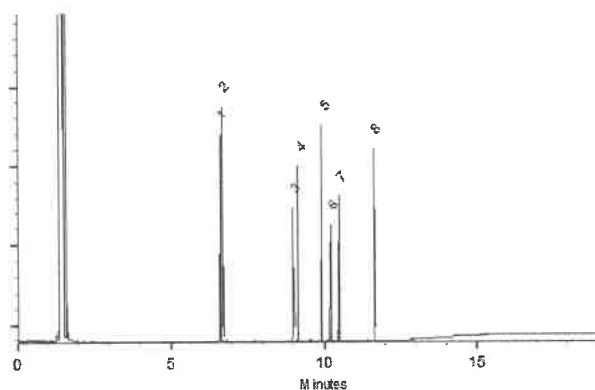
250°C

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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CERTIFIED REFERENCE MATERIAL

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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:

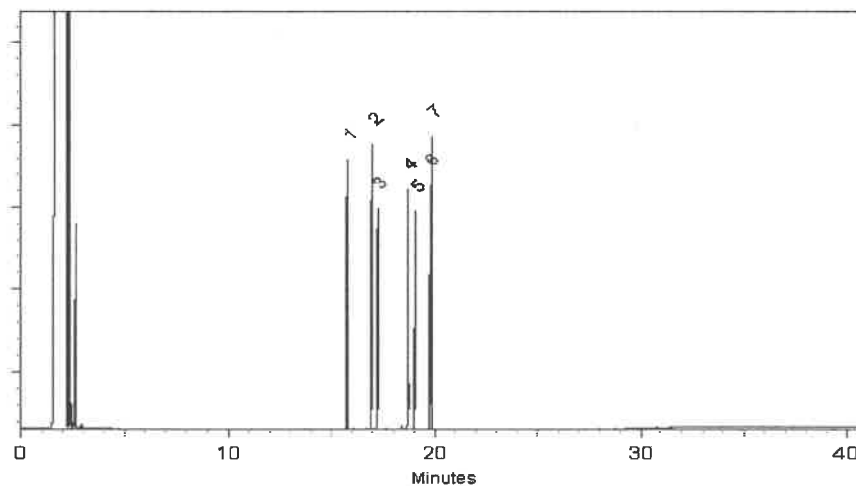
FID

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)
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P 12689
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RAU = 7/24/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCCP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

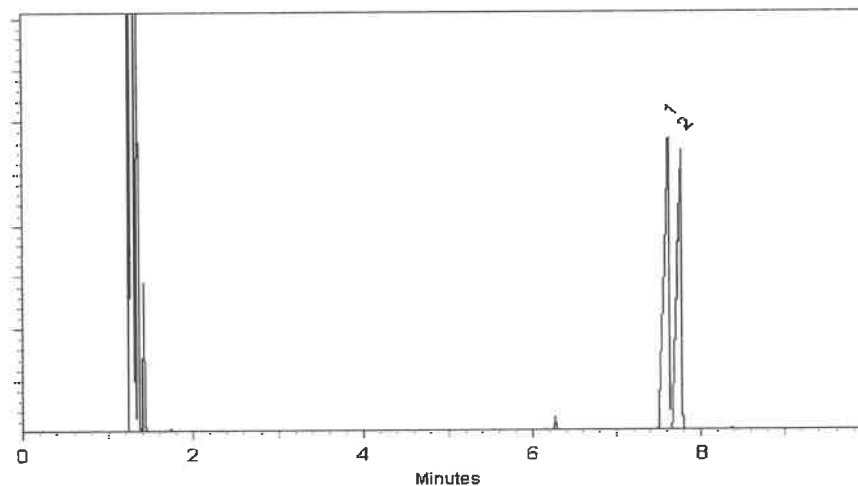
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P12706
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P12715
/ (10)
/ 1
/ 8/15/23

ISO 17034

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Lot Number: 0006752480

Product Number: HBM-8151M-1

Lot Issue Date: 18-Jul-2023

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Aug-2025

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen methyl ester	100.3 ±	0.5 µg/mL	050594-67-7	RM03058
bentazon methyl derivative	100.2 ±	0.5 µg/mL	061592-45-8	RM13829
chloramben methyl ester	100.4 ±	0.5 µg/mL	007286-84-2	RM03055
2,4-D methyl ester	100.2 ±	0.5 µg/mL	001928-38-7	RM03040
dalapon methyl ester	100.4 ±	0.5 µg/mL	017640-02-7	RM14219
2,4-DB methyl ester	100.2 ±	0.5 µg/mL	018625-12-2	RM03029
DCPA	100.2 ±	0.5 µg/mL	001861-32-1	RM13426
dicamba methyl ester	100.4 ±	0.5 µg/mL	006597-78-0	RM03039
methyl-3,5-dichlorobenzoate	100.1 ±	0.5 µg/mL	002905-67-1	RM03048
dichlorprop methyl ester	100.4 ±	0.5 µg/mL	057153-17-0	NT02086
dinoseb methyl ether	100.5 ±	0.5 µg/mL	006099-79-2	RM03051
MCPA methyl ester	10031 ±	50 µg/mL	002436-73-9	RM12863
MCPP methyl ester	10031 ±	50 µg/mL	023844-56-6	RM20060
4-nitroanisole	100.3 ±	0.5 µg/mL	000100-17-4	RM02806
pentachloroanisole	100.4 ±	0.5 µg/mL	001825-21-4	RM02457
picloram methyl ester	100.2 ±	0.5 µg/mL	014143-55-6	RM03044
silvex methyl ester	100.2 ±	0.5 µg/mL	004841-20-7	RM03799
2,4,5-T methyl ester	100.4 ±	0.5 µg/mL	001928-37-6	RM03033

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

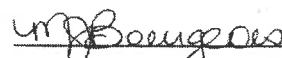
Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative

P 12706 / (10)
↓
P 12715
✓ RAUF
8.15.23



ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3 ±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019 ±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011 ±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4 ±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13520
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P13536 } (18)

BACF
9/4/2024

**Reference Material Certificate
Product Information Sheet**

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3 ±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019 ±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011 ±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4 ±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13520
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P13536 } (18)

BACF
9/4/2024

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3 ±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019 ±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011 ±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4 ±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541
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P13561
20
9/25/2024



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968
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13977

10

AWF
4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

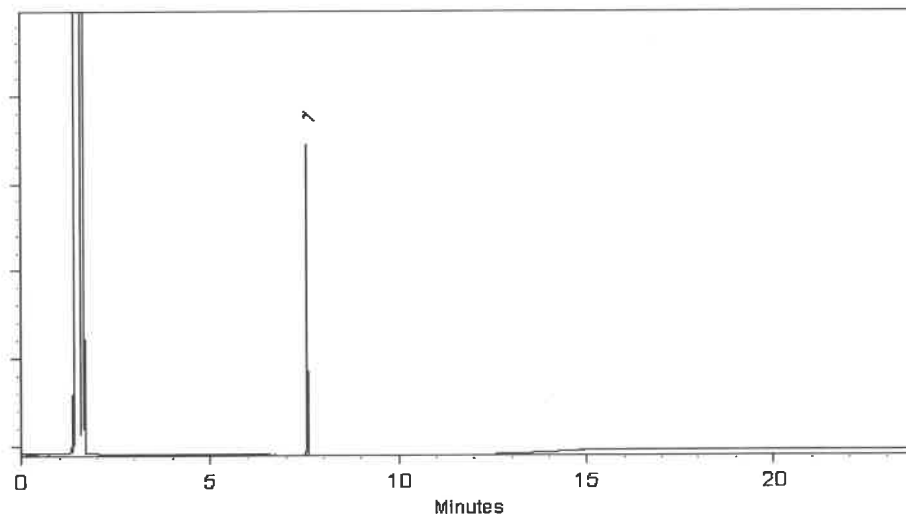
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662


Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Bellefonte, PA 16823-8812
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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968
↓
13977

10

AWF
4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

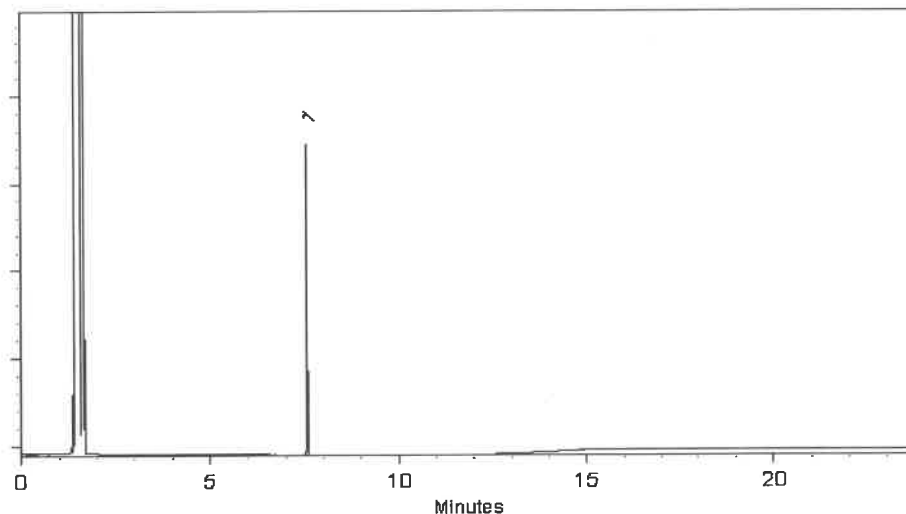
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662


Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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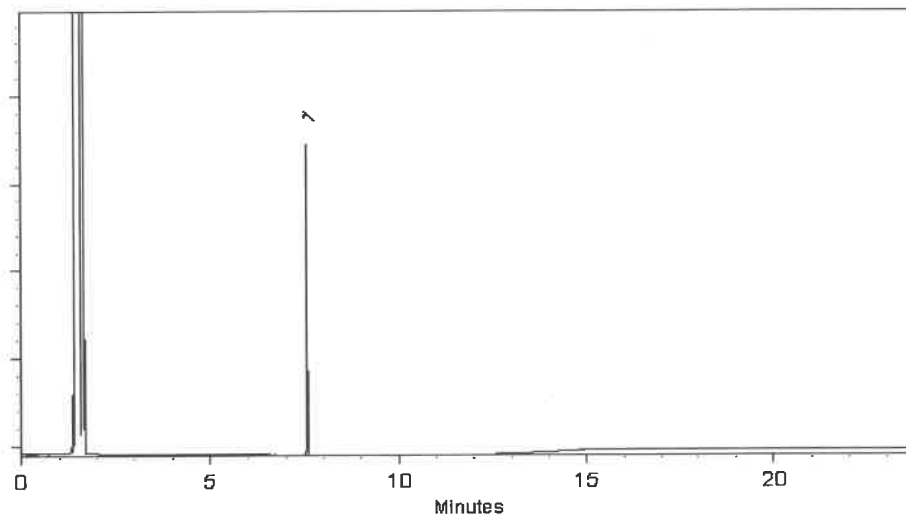
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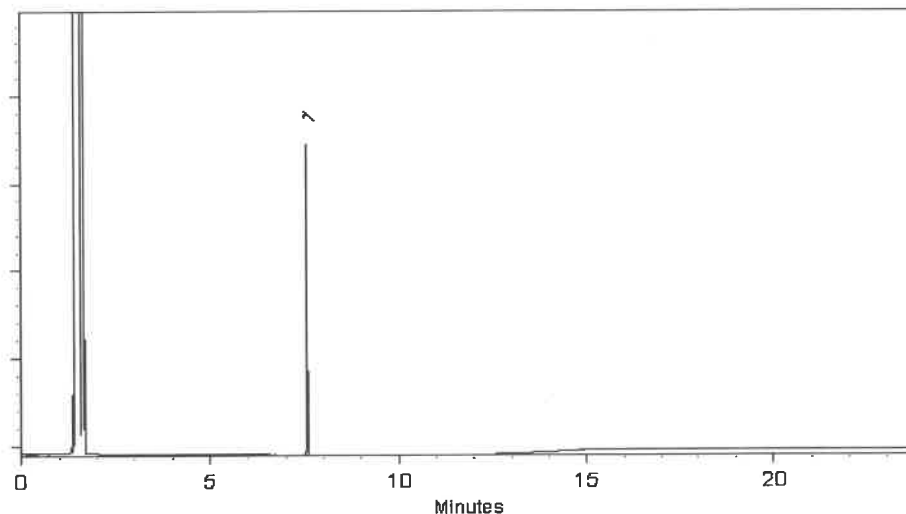
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Ethan Winiarski - Operations Tech I

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Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

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200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	55954-23-9	13054200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

13968
↓
13977

10

AWF
4/16/2025

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

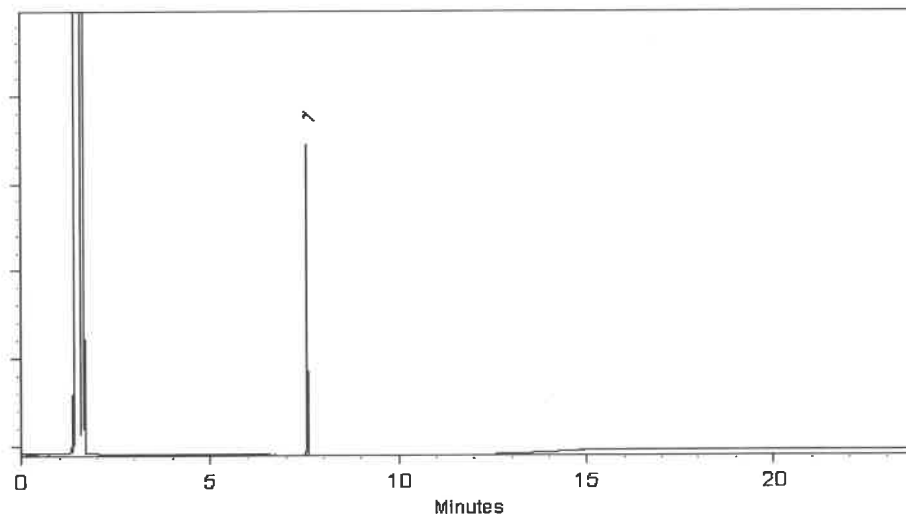
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Ethan Winiarski - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** B345965662


Brittany Federinko - Operations Tech I

Date Passed: 22-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

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Fax: (814)353-1309

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Certificate of Analysis



ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01



ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32254 **Lot No.:** A0148063
Description : Dalapon methyl ester Standard
Dalapon methyl ester 1000µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2026 **Storage:** 10°C or colder
Handling: This product is photosensitive.

Received by
SG on 8/16/19
P8828
P8826

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Dalapon methyl ester CAS # 17640-02-7 Purity 98% (Lot 1764600)	999.6 µg/mL	+/- 10.0697 µg/mL Gravimetric +/- 34.4896 µg/mL Unstressed +/- 34.4896 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

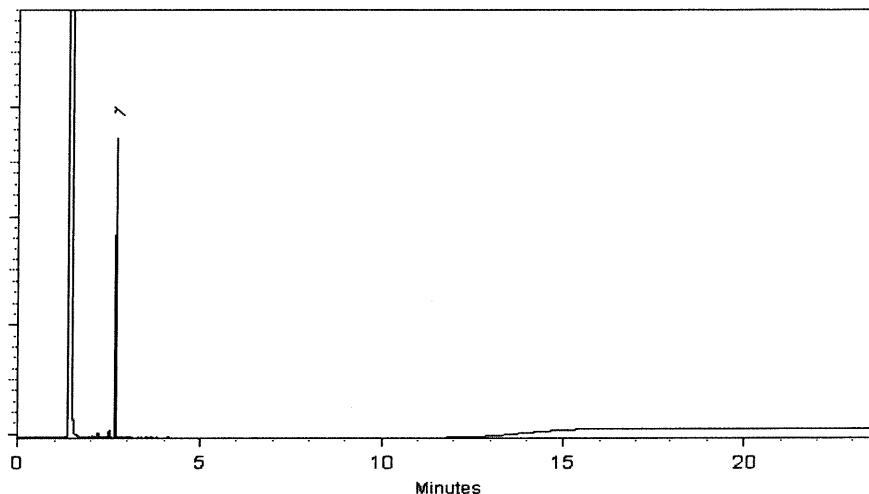
250°C

Det. Temp:

330°C

Det. Type:

FID



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Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2019

Balance: 1127510105

Feng-Yin Lo - QC Analyst

Date Passed: 15-Apr-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



SHIPPING DOCUMENTS



phenova®
Certified Reference Materials

A Phenomenex®
Company

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

Received by: SJ
4/23/2025 15:50

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Packing List

Date	Order #
04/21/2025	333293



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-1668	Net 30	ZCM-100	1500470	FedEx Collect 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-MET-SOIL	SOIL/HW Trace Metals	HW0425	7100-04
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium	HW0425	7100-05B
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW0425	7100-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH	HW0425	7100-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW0425	7100-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions	HW0425	7100-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients	HW0425	7100-09B
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW0425	7100-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW0425	7100-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW0425	7100-96
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease	HW0425	7100-94
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW0425	7100-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW0425	7100-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW0425	7100-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW0425	7100-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW0425	7100-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW0425	7100-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW0425	7100-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW0425	7100-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW0425	7100-22
1	1	0	PT-TRIAZINE-SOIL	SOIL/HW Triazine Pesticides	HW0425	7100-106
1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL	HW0425	7100-105



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Company

Packing List

Date	Order #
04/25/2025	337220



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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www.phenova.com/home/termsofsale

Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ

4/28/2025 9:40

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
CPR	Net 30	ZCM-100	1500470	FedEx Next Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW0425	7100-100

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