



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q3447

Project ID : RFP 905

Client : Weston Solutions, Inc.

Lab Sample Number

Q3447-01
Q3447-02
Q3447-03
Q3447-04
Q3447-05
Q3447-06
Q3447-07
Q3447-08

Client Sample Number

P001-TW1-251023-01
P001-TW1-251023-01
P001-TW2-251023-01
P001-TW2-251023-01
P001-TW3-251023-01
P001-TW3-251023-01
P001-TW4-251023-01
P001-TW4-251023-01

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: 11/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 905

Project # N/A

Order ID # Q3447

Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 10/23/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: TCLP Herbicide. This data package contains results for TCLP Herbicide.

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 TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for P001-TW1-251023-01 [2,4-DCAA(2)17%], P001-TW1-251023-01MS [2,4-DCAA(2)25%], P001-TW1-251023-01MSD [2,4-DCAA(2)21%], Surrogate failure for MS-MSD confirmed with original sample while,

P001-TW2-251023-01 [2,4-DCAA(2)12%], P001-TW2-251023-01RE [2,4-DCAA(1)58%, 2,4-DCAA(2)14%],

P001-TW3-251023-01 [2,4-DCAA(2)13%], P001-TW3-251023-01RE [2,4-DCAA(2)11%],

P001-TW4-251023-01 [2,4-DCAA(2)12%], P001-TW4-251023-01RE [2 and 4-DCAA(2)10%] All the failure samples in surrogates were reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were met for all analysis.

The MS {Q3447-02MS} with File ID: PS032199.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)54% - 2,4,5-TP(Silvex)(2)58%] and [2,4-D(1)55%] due to matrix interference.

The MSD {Q3447-02MSD} with File ID: PS032200.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)51% - 2,4,5-TP(Silvex)(2)54%] and [2,4-D(1)62% - 2,4-D(2)40%] due to matrix interference.

The RPD for File ID: PS032200.D met criteria except for [2,4-D(2)-69%] due to difference in results of MS-MSD.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

F. Calculation for water sample:

$$\text{ug/l} = \frac{(A_x) (V_t) (MW)}{(ICF) (V_i) (V_s)} \times DF$$

Where:

A_x = Area for the parameter to be measured.

ICF = average calibration factor for the calibration standards.

V_t = Volume of total extract in uL (Take into account dilutions)

I_s = Amount of standard injected in nanograms (ng)

V_i = Volume of extract injected.

V_s = Volume of Aqueous extracted (mL).

MW = molecular weight of the compound

G. 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: Q3447

MATRIX: TCLP

METHOD: 8151A/3510/1311

	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.			
The Surrogate recoveries were met for all analysis except for P001-TW1-251023-01 [2,4-DCAA(2)17%], P001-TW1-251023-01MS [2,4-DCAA(2)25%], P001-TW1-251023-01MSD [2,4-DCAA(2)21%], Surrogate failure for MS-MSD confirmed with original sample while, P001-TW2-251023-01 [2,4-DCAA(2)12%], P001-TW2-251023-01RE [2,4-DCAA(1)58%, 2,4-DCAA(2)14%], P001-TW3-251023-01 [2,4-DCAA(2)13%], P001-TW3-251023-01RE [2,4-DCAA(2)11%], P001-TW4-251023-01 [2,4-DCAA(2)12%], P001-TW4-251023-01RE [2 and4-DCAA(2)10%]All the failure samples in surrogates were reanalyzed to confirm the results as per method and reported in the data.			
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 {Q3447-02MS} with File ID: PS032199.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)54% - 2,4,5-TP(Silvex)(2)58%] and [2,4-D(1)55%] due to matrix interference.			
The MSD {Q3447-02MSD} with File ID: PS032200.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)51% - 2,4,5-TP(Silvex)(2)54%] and [2,4-D(1)62% - 2,4-D(2)40%] due to matrix interference.			
The Blank Spike met requirements for all compounds.			
The RPD for File ID: PS032200.D met criteria except for [2,4-D(2)-69%]due to difference in results of MS-MSD.			



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3447

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: 11/05/2025

LAB CHRONICLE

OrderID:	Q3447	OrderDate:	10/23/2025 1:50:00 PM
Client:	Weston Solutions, Inc.	Project:	RFP 905
Contact:	Smita Sumbaly	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3447-01	P001-TW1-251023-01	SOIL			10/23/25			10/23/25
			PCB	8082A		10/24/25	10/27/25	
			Pesticide-TCL	8081B		10/23/25	10/24/25	
Q3447-01RE	P001-TW1-251023-01 RE	SOIL			10/23/25			10/23/25
			PCB	8082A		10/24/25	10/28/25	
Q3447-02	P001-TW1-251023-01	TCLP			10/23/25			10/23/25
			TCLP Herbicide	8151A		10/27/25	10/28/25	
Q3447-03	P001-TW2-251023-01	SOIL			10/23/25			10/23/25
			PCB	8082A		10/24/25	10/27/25	
			Pesticide-TCL	8081B		10/23/25	10/27/25	
Q3447-03RE	P001-TW2-251023-01 RE	SOIL			10/23/25			10/23/25
			PCB	8082A		10/24/25	10/28/25	
Q3447-04	P001-TW2-251023-01	TCLP			10/23/25			10/23/25
			TCLP Herbicide	8151A		10/27/25	10/28/25	
Q3447-04RE	P001-TW2-251023-01 RE	TCLP			10/23/25			10/23/25
			TCLP Herbicide	8151A		10/27/25	10/28/25	
Q3447-05	P001-TW3-251023-01	SOIL			10/23/25			10/23/25
			Pesticide-TCL	8081B		10/23/25	10/24/25	
			PCB	8082A		10/24/25	10/27/25	
Q3447-06	P001-TW3-251023-01	TCLP			10/23/25			10/23/25
			TCLP Herbicide	8151A		10/27/25	10/28/25	

LAB CHRONICLE

Q3447-06RE	P001-TW3-251023-01 RE	TCLP			10/23/25		10/23/25
			TCLP Herbicide	8151A		10/27/25	10/28/25
Q3447-07	P001-TW4-251023-01	SOIL			10/23/25		10/23/25
			Pesticide-TCL	8081B		10/23/25	10/24/25
			PCB	8082A		10/24/25	10/27/25
Q3447-08	P001-TW4-251023-01	TCLP			10/23/25		10/23/25
			TCLP Herbicide	8151A		10/27/25	10/28/25
Q3447-08RE	P001-TW4-251023-01 RE	TCLP			10/23/25		10/23/25
			TCLP Herbicide	8151A		10/27/25	10/28/25



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Hit Summary Sheet
SW-846

SDG No.: Q3447

Order ID: Q3447

Client: Weston Solutions, Inc.

Project ID: RFP 905

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: Q3447

Client: Weston Solutions, Inc.

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS032162.D	PIBLK-PS032162.D	2,4-DCAA	1	500	381	76		61	136
		2,4-DCAA	2	500	543	109		61	136
I.BLK-PS032181.D	PIBLK-PS032181.D	2,4-DCAA	1	500	411	82		61	136
		2,4-DCAA	2	500	525	105		61	136
Q3447-04	P001-TW2-251023-01	2,4-DCAA	1	500	378	76		61	136
		2,4-DCAA	2	500	60.3	12	*	61	136
Q3447-06	P001-TW3-251023-01	2,4-DCAA	1	500	402	80		61	136
		2,4-DCAA	2	500	66.4	13	*	61	136
I.BLK-PS032193.D	PIBLK-PS032193.D	2,4-DCAA	1	500	419	84		61	136
		2,4-DCAA	2	500	526	105		61	136
PB170269BL	PB170269BL	2,4-DCAA	1	500	394	79		61	136
		2,4-DCAA	2	500	461	92		61	136
PB170269BS	PB170269BS	2,4-DCAA	1	500	525	105		61	136
		2,4-DCAA	2	500	476	95		61	136
PB170239TB	PB170239TB	2,4-DCAA	1	500	407	81		61	136
		2,4-DCAA	2	500	471	94		61	136
Q3447-02	P001-TW1-251023-01	2,4-DCAA	1	500	445	89		61	136
		2,4-DCAA	2	500	86.1	17	*	61	136
Q3447-02MS	P001-TW1-251023-01MS	2,4-DCAA	1	500	456	91		61	136
		2,4-DCAA	2	500	127	25	*	61	136
Q3447-02MSD	P001-TW1-251023-01MSD	2,4-DCAA	1	500	452	90		61	136
		2,4-DCAA	2	500	105	21	*	61	136
Q3447-08	P001-TW4-251023-01	2,4-DCAA	1	500	387	77		61	136
		2,4-DCAA	2	500	59.4	12	*	61	136
I.BLK-PS032202.D	PIBLK-PS032202.D	2,4-DCAA	1	500	418	84		61	136
		2,4-DCAA	2	500	520	104		61	136
I.BLK-PS032205.D	PIBLK-PS032205.D	2,4-DCAA	1	500	412	82		61	136
		2,4-DCAA	2	500	530	106		61	136
Q3447-04RE	P001-TW2-251023-01RE	2,4-DCAA	1	500	288	58	*	61	136
		2,4-DCAA	2	500	72.0	14	*	61	136
Q3447-06RE	P001-TW3-251023-01RE	2,4-DCAA	1	500	426	85		61	136
		2,4-DCAA	2	500	54.9	11	*	61	136
Q3447-08RE	P001-TW4-251023-01RE	2,4-DCAA	1	500	397	79		61	136
		2,4-DCAA	2	500	50.1	10	*	61	136
I.BLK-PS032216.D	PIBLK-PS032216.D	2,4-DCAA	1	500	430	86		61	136
		2,4-DCAA	2	500	488	98		61	136

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3447</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PS032199.D</u>

		Sample				Rec		RPD		Limits	
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High
Lab Sample ID:	Q3447-02MS	Client Sample ID:		P001-TW1-251023-01MS							
	(Column 1)										
	2,4-D	50	0	27.5	ug/L	55	*			65	135
	2,4,5-TP(Silvex)	50	0	27.1	ug/L	54	*			62	139
Lab Sample ID:	Q3447-02MS	Client Sample ID:		P001-TW1-251023-01MS							
	(Column 2)										
	2,4-D	50	0	41.2	ug/L	82				65	135
	2,4,5-TP(Silvex)	50	0	29.0	ug/L	58	*			62	139

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3447</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PS032200.D</u>

		Sample				Rec		RPD		Limits	
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3447-02MSD	Client Sample ID:		P001-TW1-251023-01MSD							
(Column 1)											
2,4-D	50	0	31.2	ug/L	62	*	12		65	135	20
2,4,5-TP(Silvex)	50	0	25.3	ug/L	51	*	6		62	139	20
Lab Sample ID:	Q3447-02MSD	Client Sample ID:		P001-TW1-251023-01MSD							
(Column 2)											
2,4-D	50	0	20.0	ug/L	40	*	69	*	65	135	20
2,4,5-TP(Silvex)	50	0	27.2	ug/L	54	*	7		62	139	20



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3447

Analytical Method: 8151A

Client: Weston Solutions, Inc.

Datafile : PS032196.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB170269BS (Column 1)	2,4-D	5	5.10	ug/L	102				83	130	
	2,4,5-TP(Silvex)	5	5.00	ug/L	100				78	127	
PB170269BS (Column 2)	2,4-D	5	4.40	ug/L	88				83	130	
	2,4,5-TP(Silvex)	5	4.70	ug/L	94				78	127	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170269BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: PB170269BL

Lab File ID: PS032195.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/27/2025

Date Analyzed (1): 10/28/2025

Date Analyzed (2): 10/28/2025

Time Analyzed (1): 04:57

Time Analyzed (2): 04:57

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
P001-TW2-251023-01	Q3447-04	PS032191.D	10/28/2025	10/28/2025
P001-TW3-251023-01	Q3447-06	PS032192.D	10/28/2025	10/28/2025
PB170269BS	PB170269BS	PS032196.D	10/28/2025	10/28/2025
PB170239TB	PB170239TB	PS032197.D	10/28/2025	10/28/2025
P001-TW1-251023-01	Q3447-02	PS032198.D	10/28/2025	10/28/2025
P001-TW1-251023-01MS	Q3447-02MS	PS032199.D	10/28/2025	10/28/2025
P001-TW1-251023-01MSD	Q3447-02MSD	PS032200.D	10/28/2025	10/28/2025
P001-TW4-251023-01	Q3447-08	PS032201.D	10/28/2025	10/28/2025

COMMENTS: _____



SAMPLE DATA



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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 905		Date Received:	10/27/25
Client Sample ID:	PB170239TB		SDG No.:	Q3447
Lab Sample ID:	PB170239TB		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/27/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	10/28/25 05:46	PB170269
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	10/28/25 05:46	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	471			61 - 136	94%	SPK: 500		

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\PS102725\
Data File : PS032197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 05:46
Operator : AR\AJ
Sample : PB170239TB
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170239TB

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:26:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.274	7.747	1761.5E6	515.3E6	407.414	471.186m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 05:46
Operator : AR\AJ
Sample : PB170239TB
Misc :
ALS Vial : 33 Sample Multiplier: 1

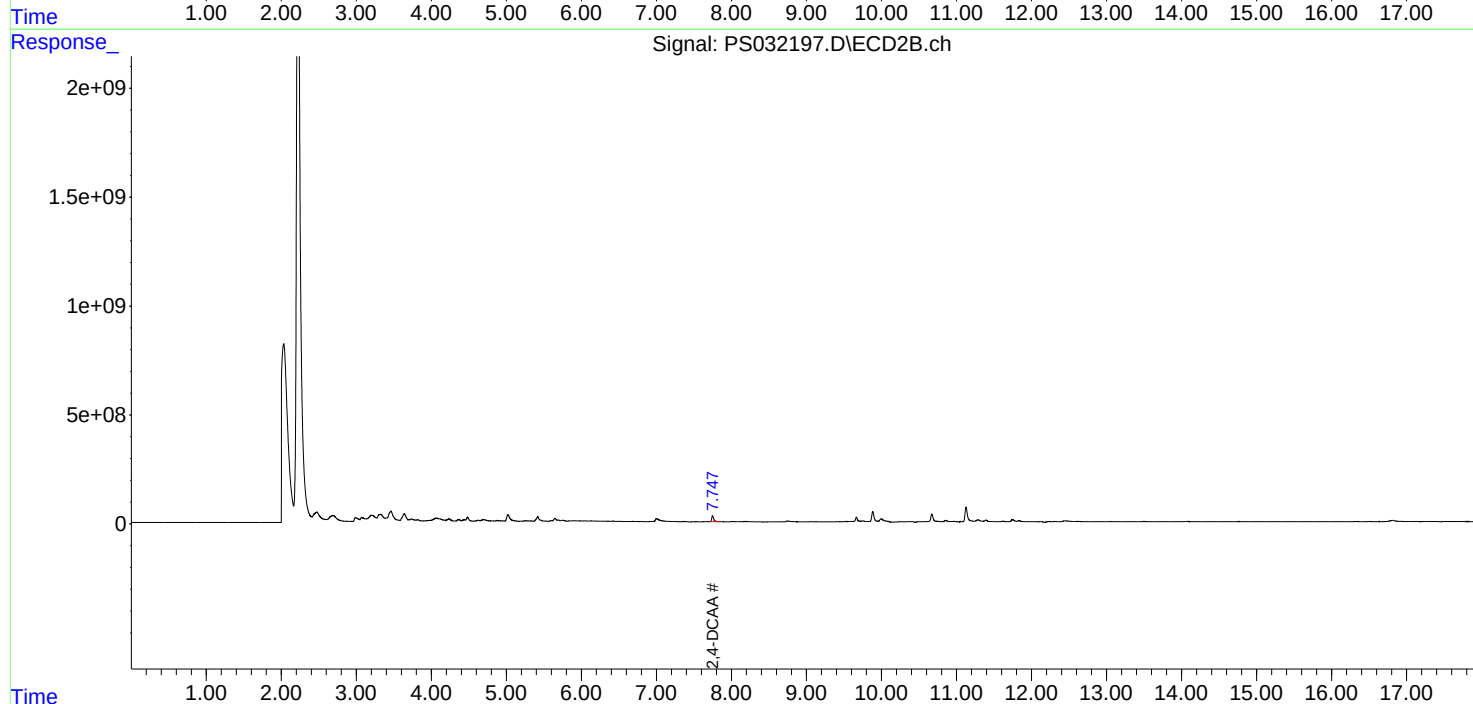
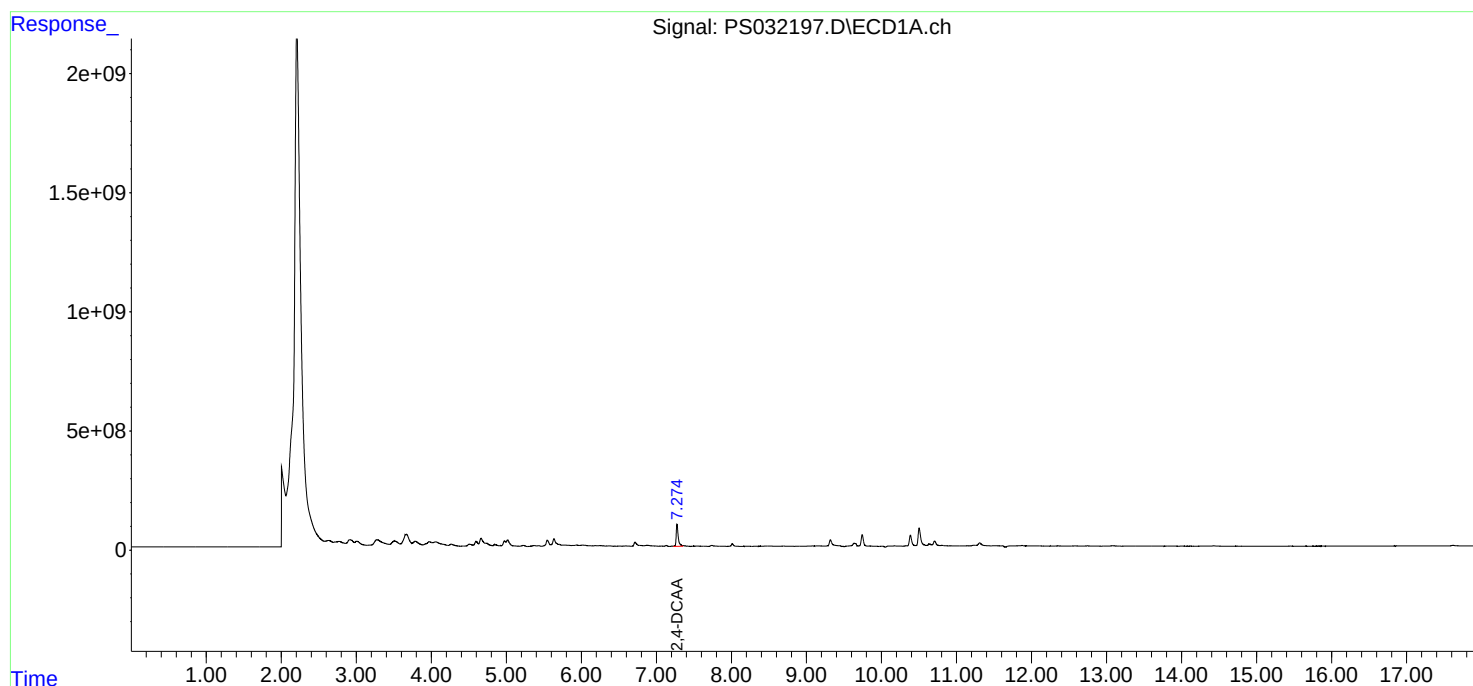
Instrument :
ECD_S
ClientSampleId :
PB170239TB

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/28/2025
Supervised By : mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:26:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

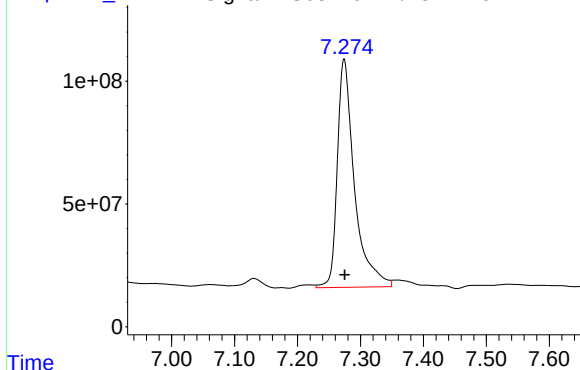
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS032197.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.274 min
Delta R.T.: -0.001 min
Response: 1761521588
Conc: 407.41 ng/ml

Instrument :

ECD_S

ClientSampleId :

PB170239TB

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/28/2025

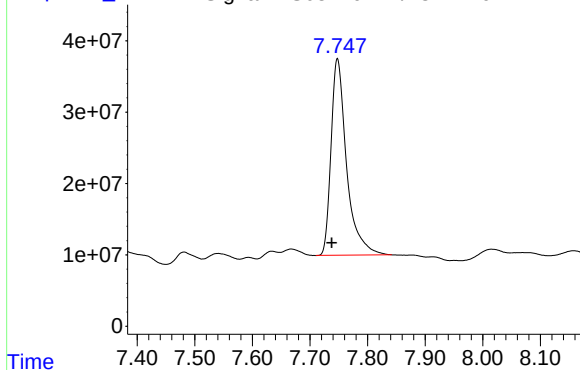
Supervised By :mohammad ahmed 10/29/2025

Time

Response_

Signal: PS032197.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.747 min
Delta R.T.: 0.010 min
Response: 515258500
Conc: 471.19 ng/ml m

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/23/25	
Project: RFP 905	Date Received: 10/23/25	
Client Sample ID: P001-TW1-251023-01	SDG No.: Q3447	
Lab Sample ID: Q3447-02	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 100 mL	Test: TCLP Herbicide	Final Vol: 10000 uL
Prep Method: 8151A		Prep Date 10/27/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	10/28/25 06:10	PB170269
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	10/28/25 06:10	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	445			61 - 136	89%	SPK: 500		

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\PS102725\
Data File : PS032198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 06:10
Operator : AR\AJ
Sample : Q3447-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 07:43:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.273	7.742	1924.1E6	94202005	445.007	86.144m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 06:10
Operator : AR\AJ
Sample : Q3447-02
Misc :
ALS Vial : 34 Sample Multiplier: 1

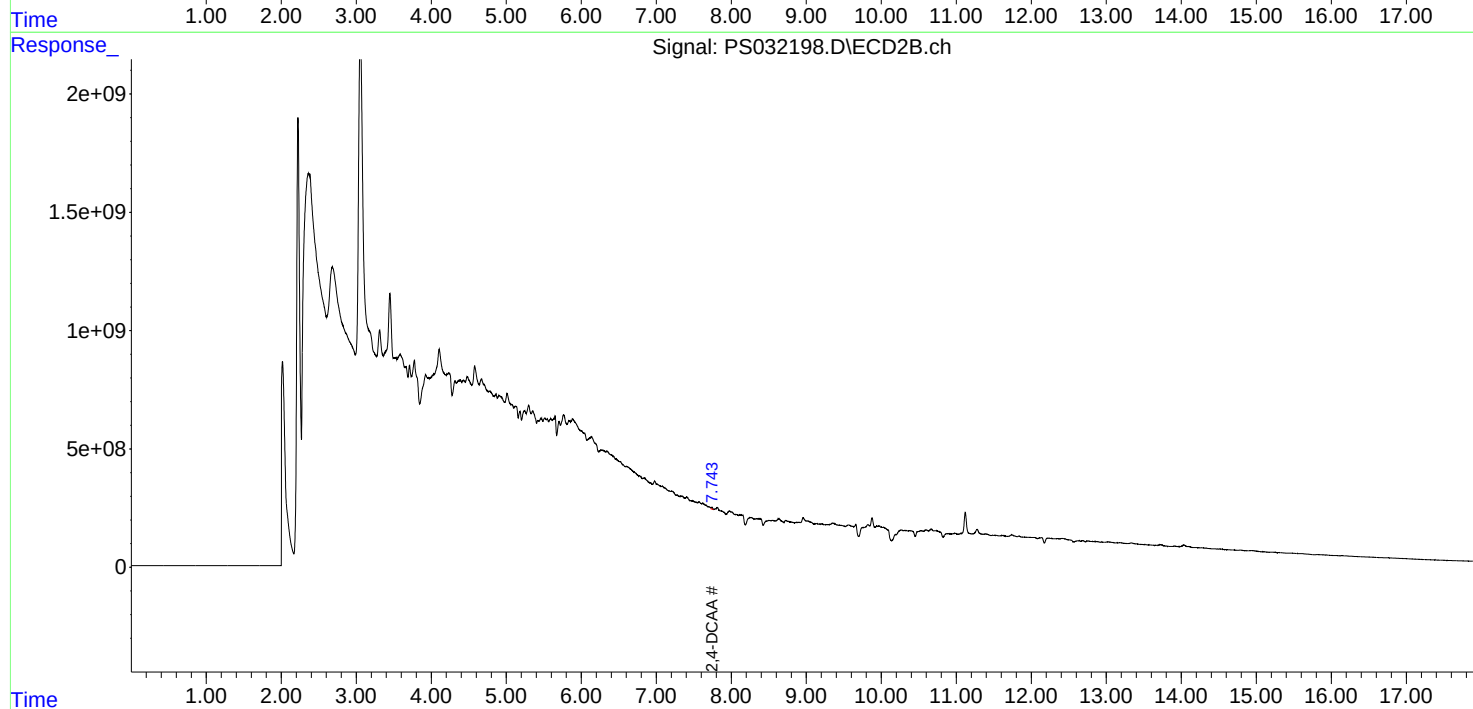
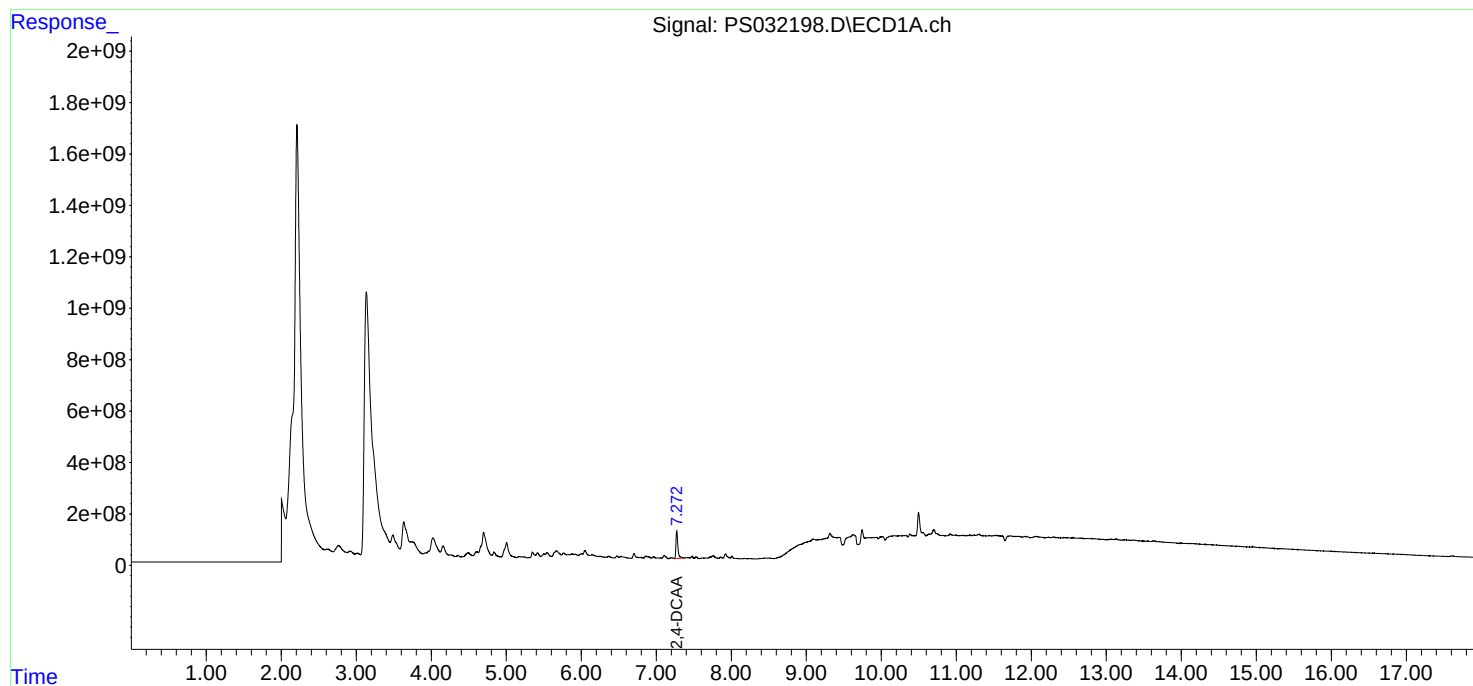
Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01

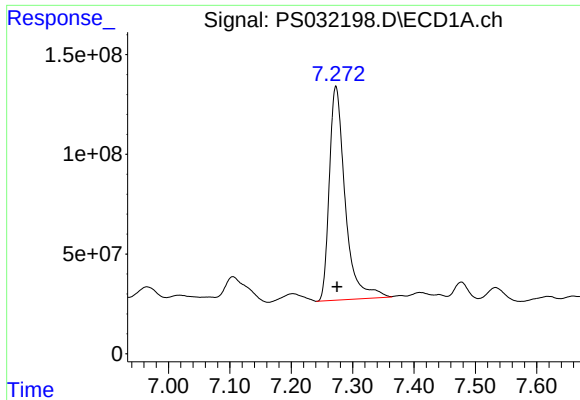
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/28/2025
Supervised By : mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 07:43:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





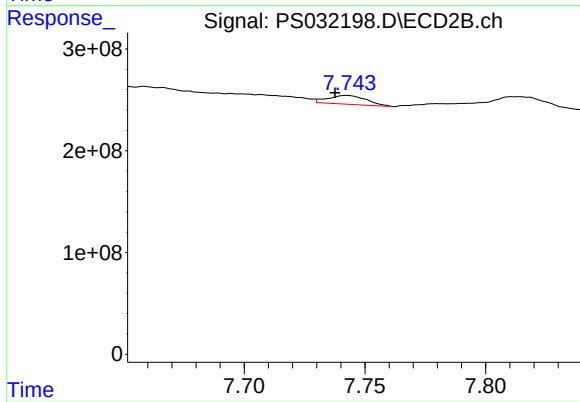
#4 2,4-DCAA

R.T.: 7.273 min
Delta R.T.: -0.002 min
Response: 1924059827
Conc: 445.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: 0.005 min
Response: 94202005
Conc: 86.14 ng/ml m



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	P001-TW2-251023-01		SDG No.:	Q3447
Lab Sample ID:	Q3447-04		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/27/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	10/28/25 01:41	PB170269
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	10/28/25 01:41	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	378			61 - 136	76%	SPK: 500		

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\PS102725\
 Data File : PS032191.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 01:41
 Operator : AR\AJ
 Sample : Q3447-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 P001-TW2-251023-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 06:25:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.273	7.739	1633.9E6	65976854	377.895	60.334m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 01:41
Operator : AR\AJ
Sample : Q3447-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

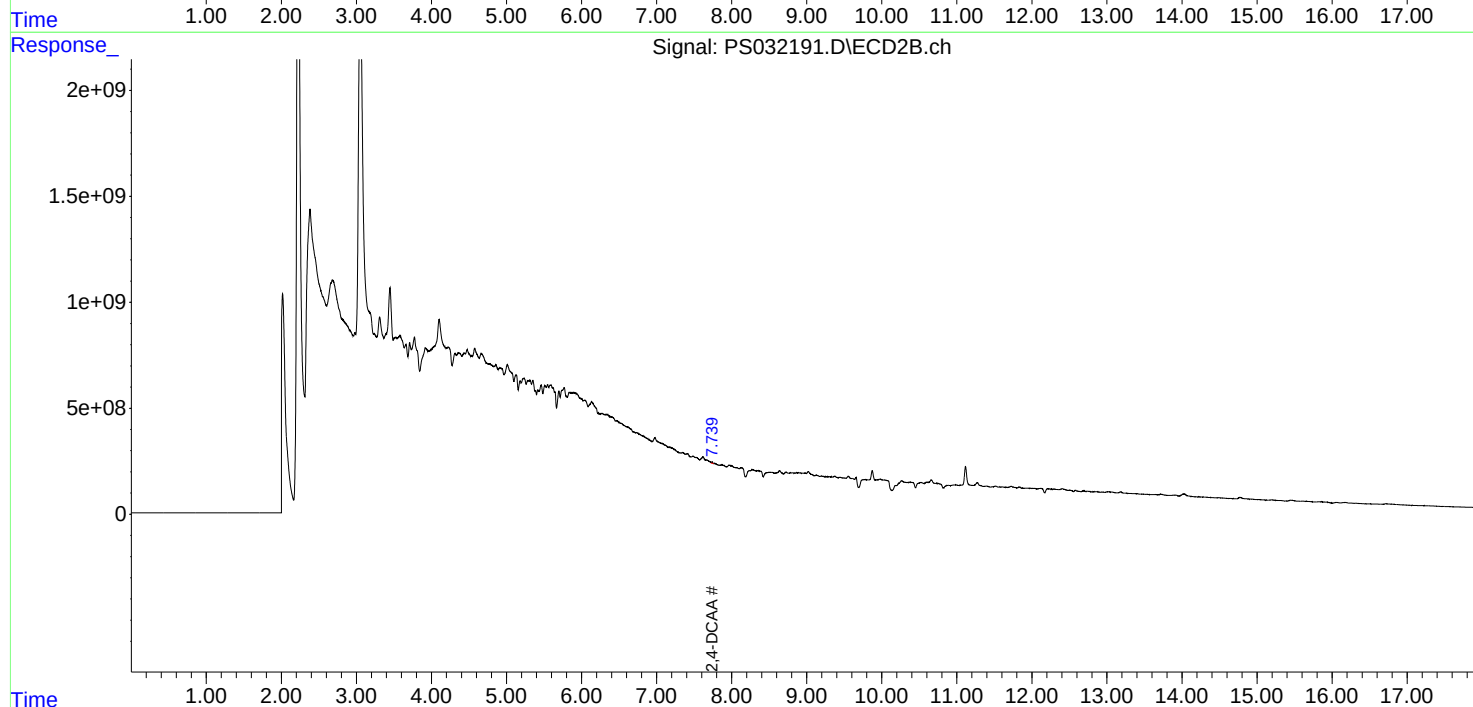
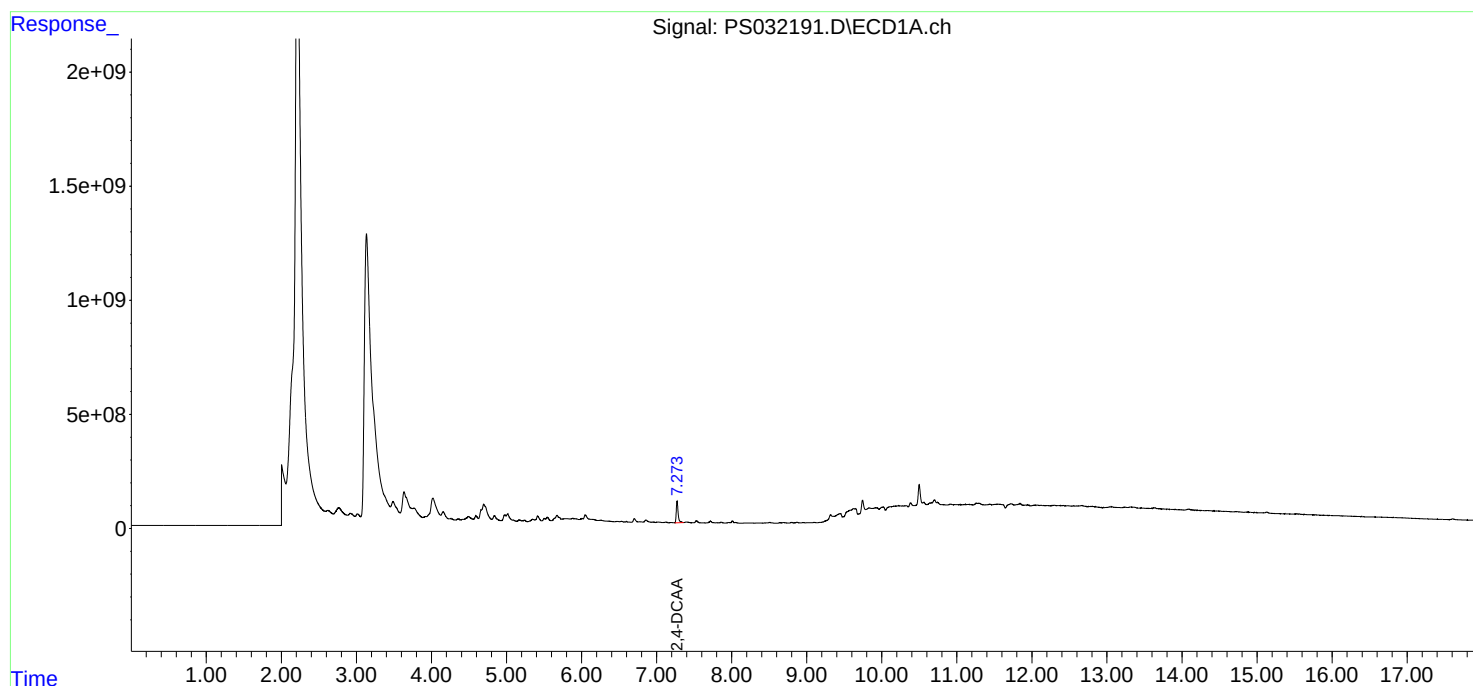
Instrument :
ECD_S
ClientSampleId :
P001-TW2-251023-01

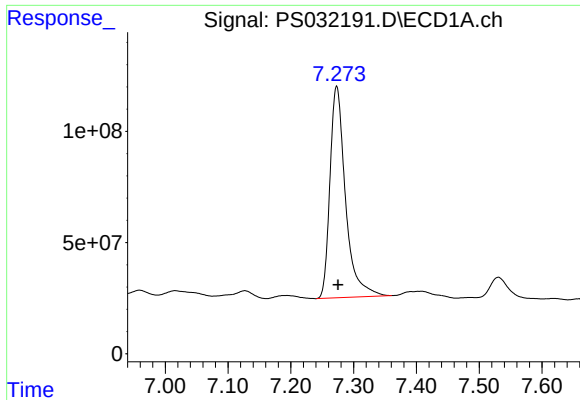
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/28/2025
Supervised By : mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:25:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





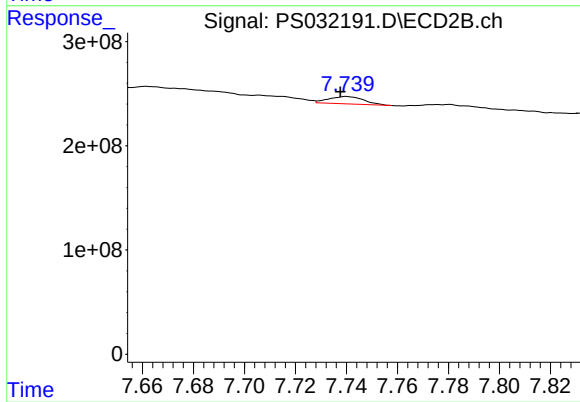
#4 2,4-DCAA

R.T.: 7.273 min
Delta R.T.: -0.002 min
Response: 1633889549
Conc: 377.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW2-251023-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



#4 2,4-DCAA

R.T.: 7.739 min
Delta R.T.: 0.002 min
Response: 65976854
Conc: 60.33 ng/ml m



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	P001-TW2-251023-01RE		SDG No.:	Q3447
Lab Sample ID:	Q3447-04RE		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/27/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	10/28/25 16:03	PB170269
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	10/28/25 16:03	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	288	*		61 - 136	58%	SPK: 500		

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\PS102825\
 Data File : PS032213.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 16:03
 Operator : AR\AJ
 Sample : Q3447-04RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_S
ClientSampleId :
 P001-TW2-251023-01RE

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 29 03:30:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.273	7.749	1244.3E6	78695277	287.788	71.964m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102825\
Data File : PS032213.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 16:03
Operator : AR\AJ
Sample : Q3447-04RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

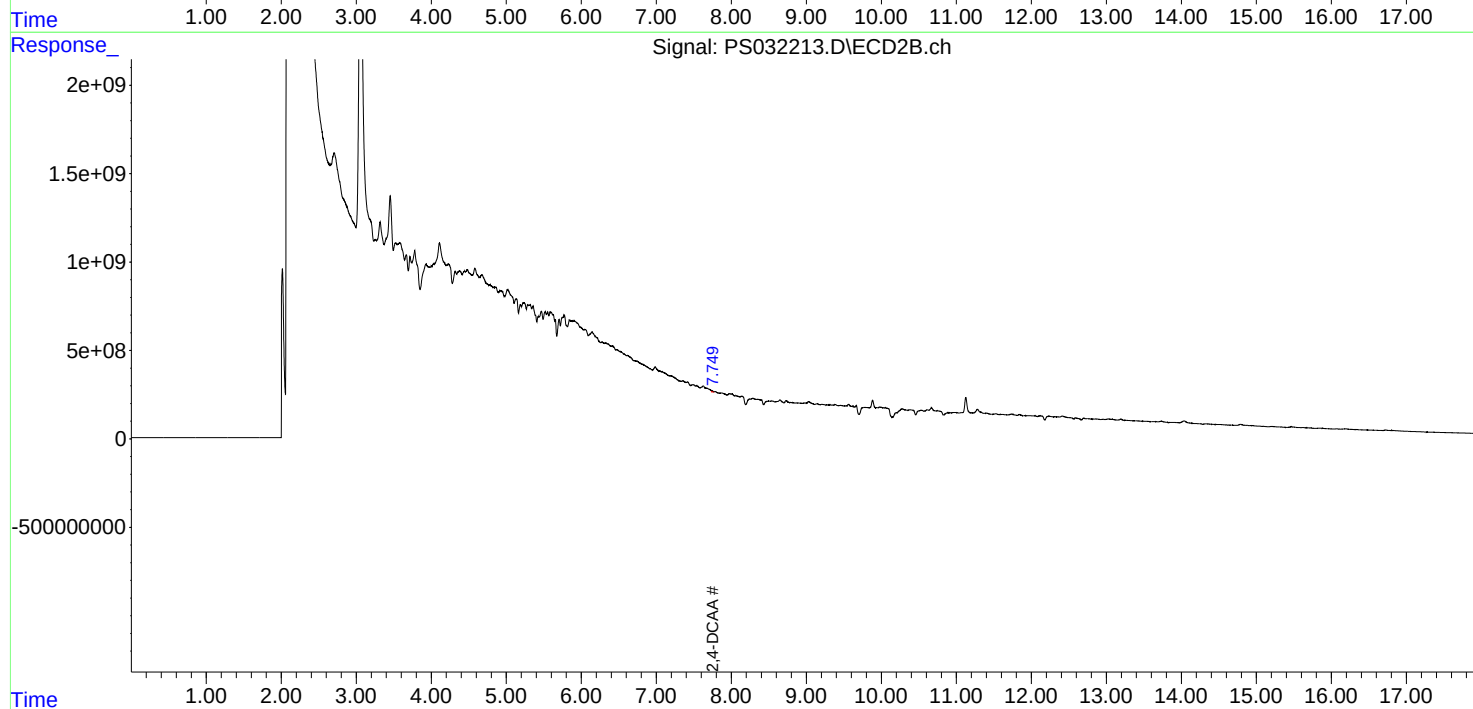
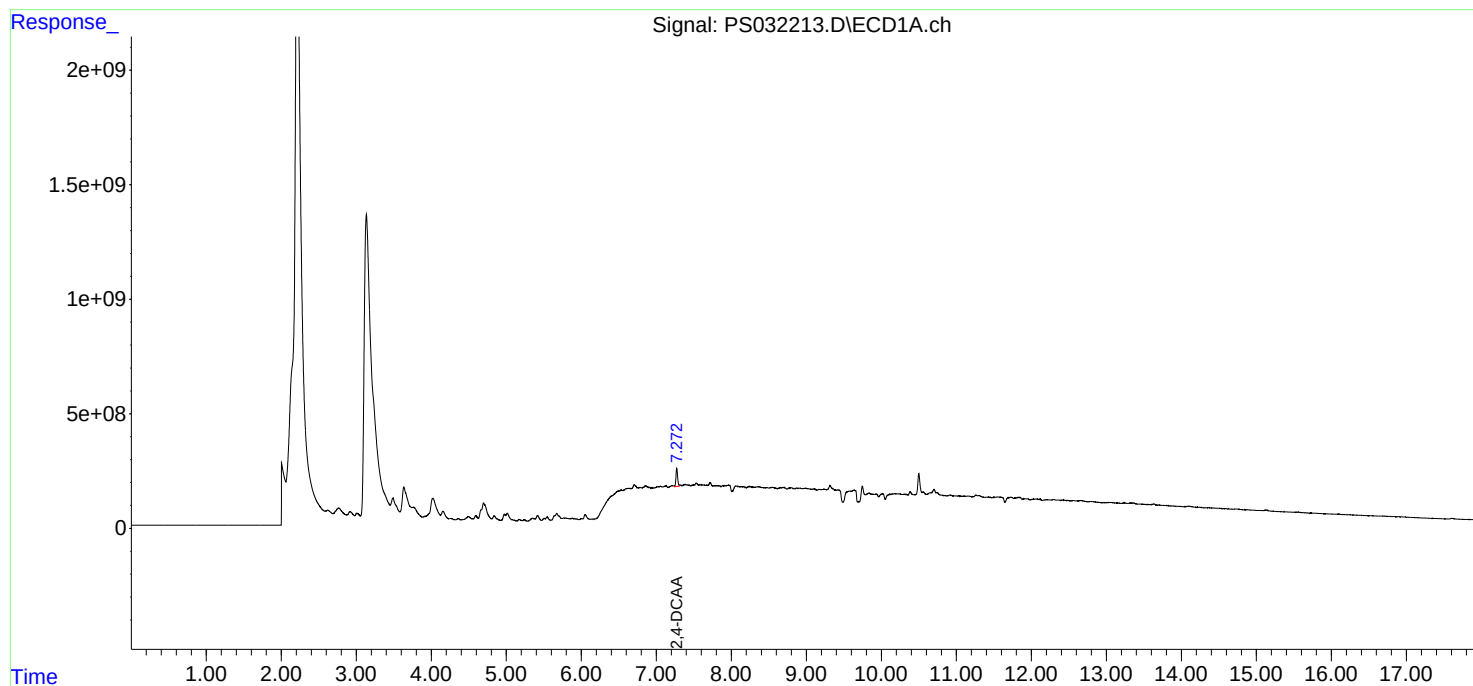
Instrument :
ECD_S
ClientSampleId :
P001-TW2-251023-01RE

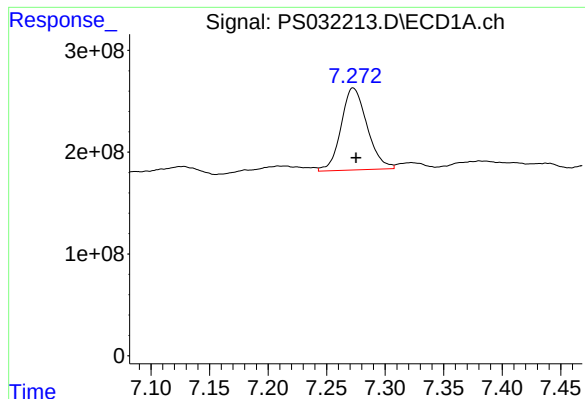
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 03:30:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





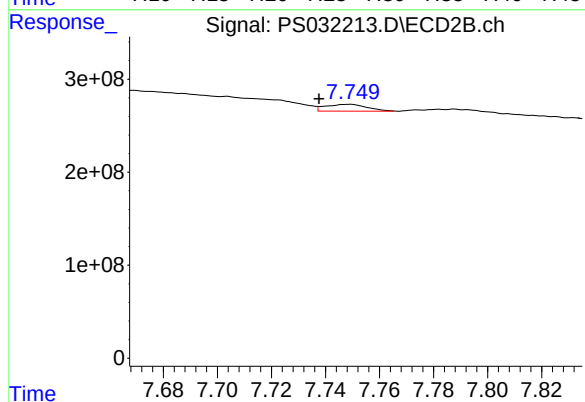
#4 2,4-DCAA

R.T.: 7.273 min
Delta R.T.: -0.002 min
Response: 1244297909
Conc: 287.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW2-251023-01RE

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025



#4 2,4-DCAA

R.T.: 7.749 min
Delta R.T.: 0.012 min
Response: 78695277
Conc: 71.96 ng/ml m



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	P001-TW3-251023-01		SDG No.:	Q3447
Lab Sample ID:	Q3447-06		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/27/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	10/28/25 02:05	PB170269
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	10/28/25 02:05	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	402			61 - 136	80%	SPK: 500		

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\PS102725\
Data File : PS032192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 02:05
Operator : AR\AJ
Sample : Q3447-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
P001-TW3-251023-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:25:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.273	7.741	1739.8E6	72618359	402.391	66.407m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 02:05
Operator : AR\AJ
Sample : Q3447-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

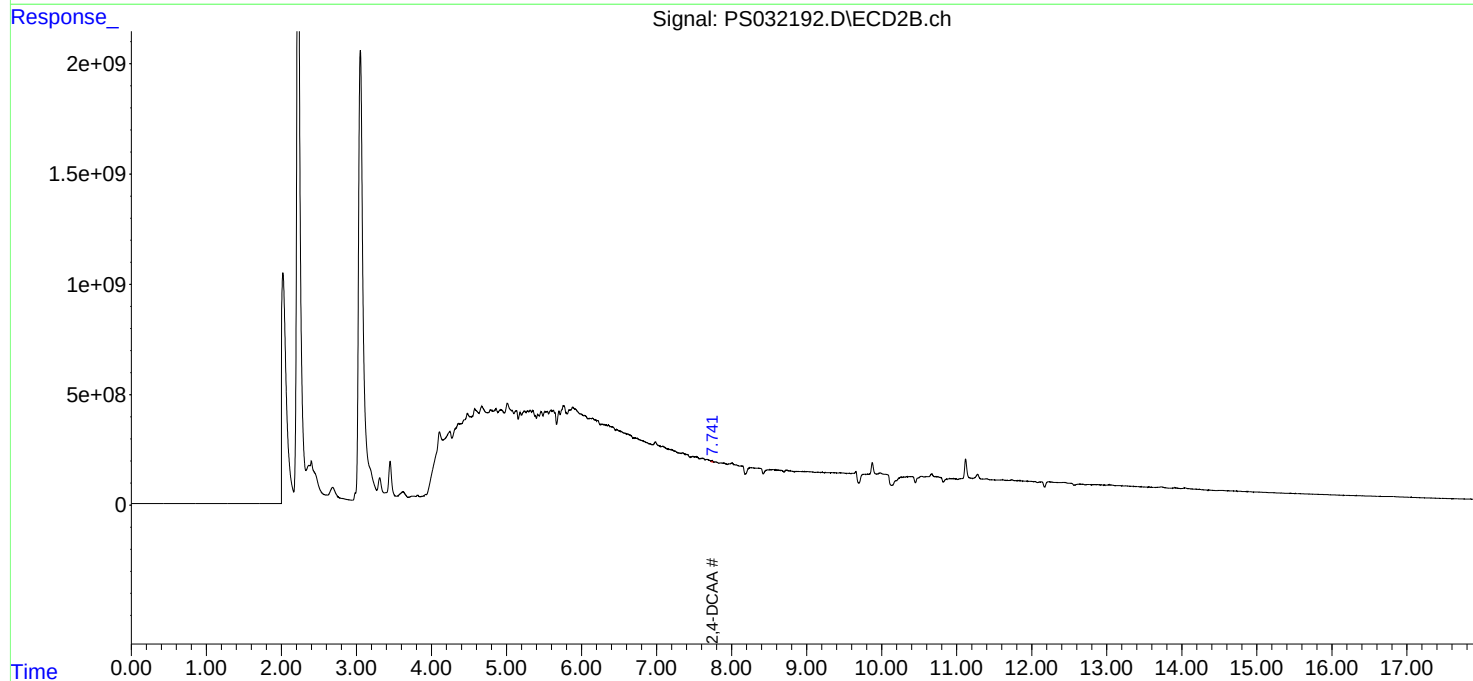
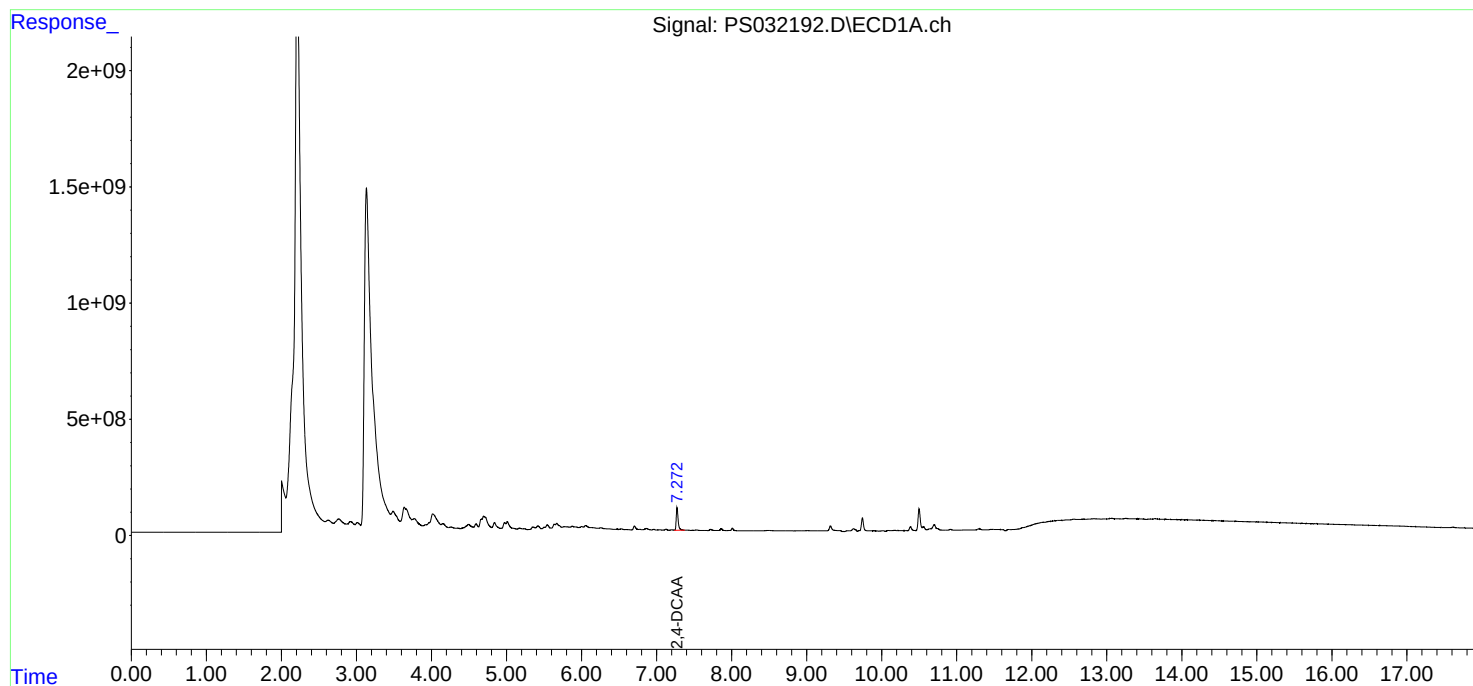
Instrument :
ECD_S
ClientSampleId :
P001-TW3-251023-01

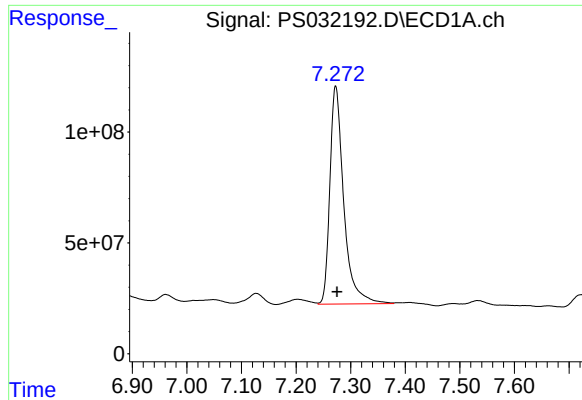
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/28/2025
Supervised By : mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:25:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





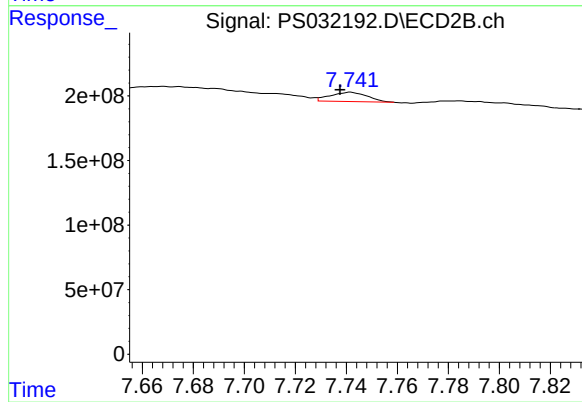
#4 2,4-DCAA

R.T.: 7.273 min
Delta R.T.: -0.002 min
Response: 1739803976
Conc: 402.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW3-251023-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



#4 2,4-DCAA

R.T.: 7.741 min
Delta R.T.: 0.004 min
Response: 72618359
Conc: 66.41 ng/ml m

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/23/25	
Project: RFP 905	Date Received: 10/23/25	
Client Sample ID: P001-TW3-251023-01RE	SDG No.: Q3447	
Lab Sample ID: Q3447-06RE	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 100 mL	Test: TCLP Herbicide	Final Vol: 10000 uL
Prep Method: 8151A		Prep Date 10/27/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	10/28/25 16:28	PB170269
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	10/28/25 16:28	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	426			61 - 136	85%	SPK: 500		

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\PS102825\
Data File : PS032214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 16:28
Operator : AR\AJ
Sample : Q3447-06RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
P001-TW3-251023-01RE

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 03:31:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.274	7.751	1839.7E6	59979675	425.505	54.849m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102825\
Data File : PS032214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 16:28
Operator : AR\AJ
Sample : Q3447-06RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

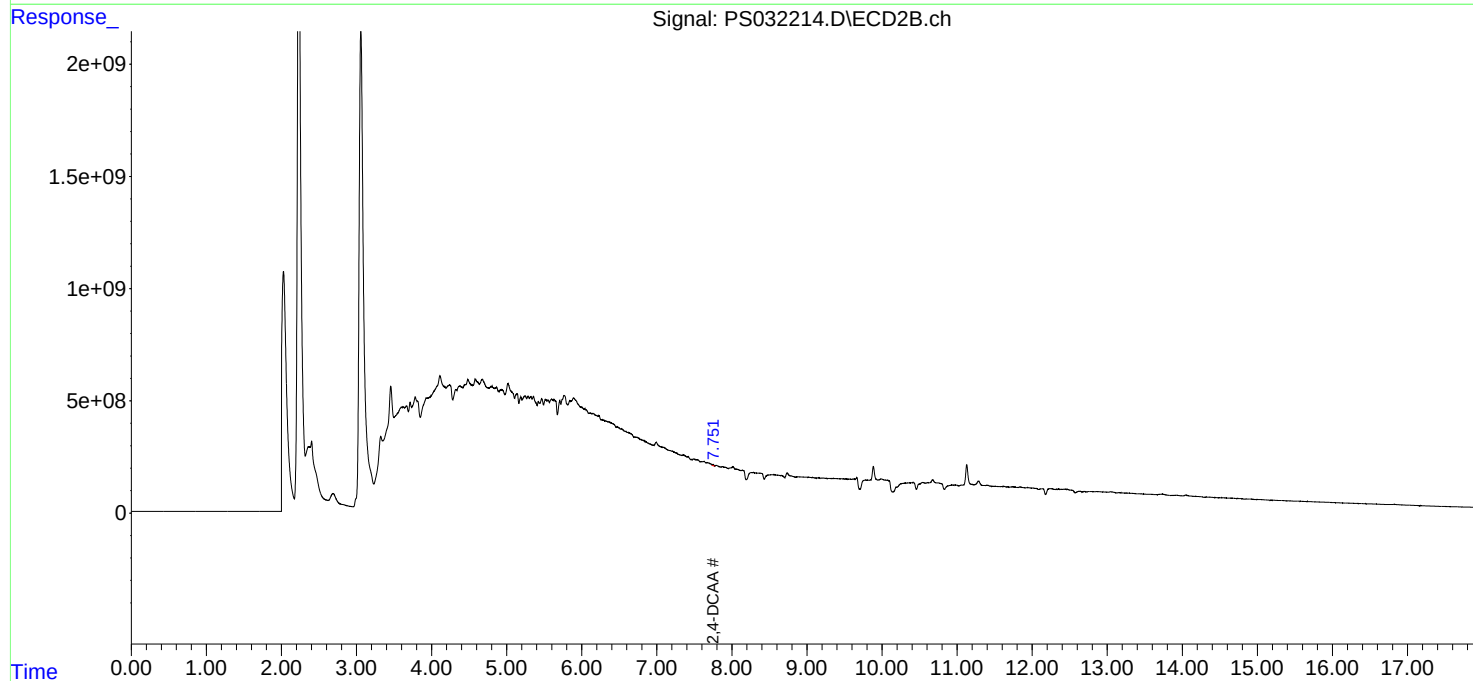
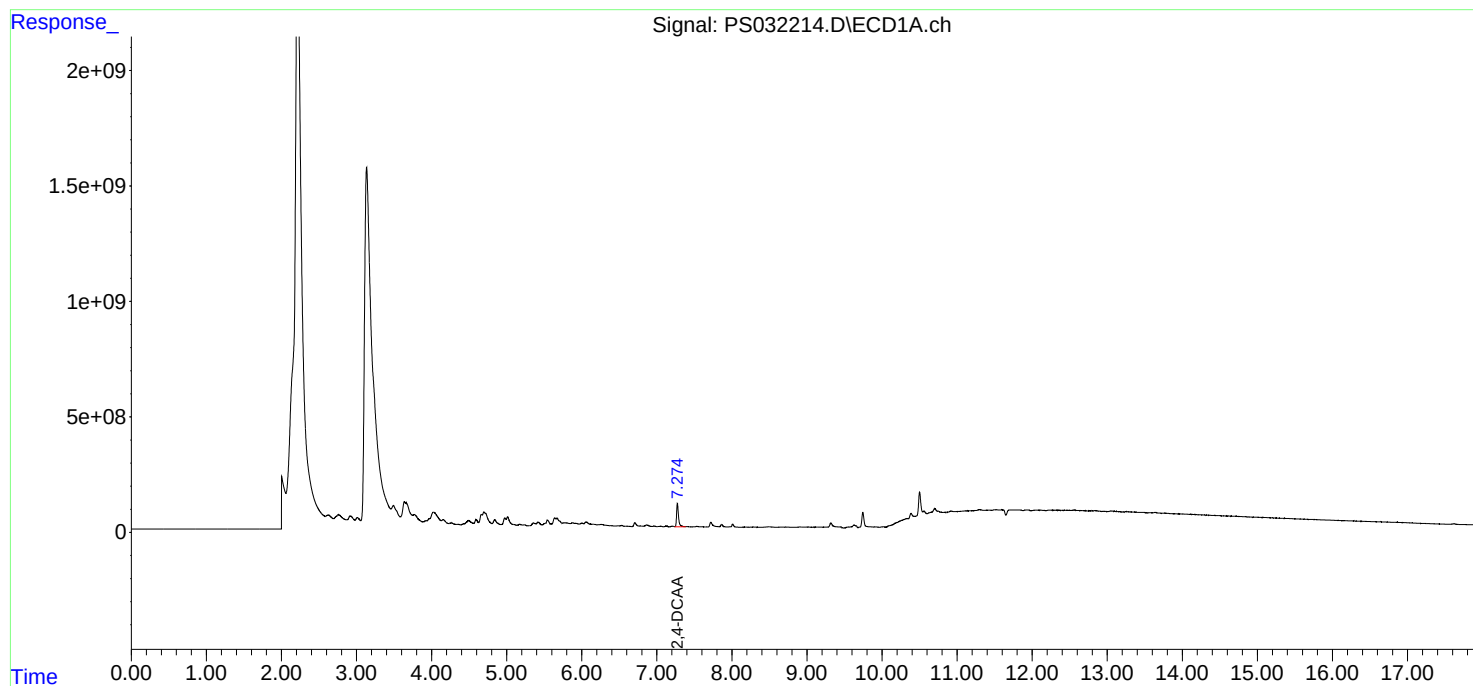
Instrument :
ECD_S
ClientSampleId :
P001-TW3-251023-01RE

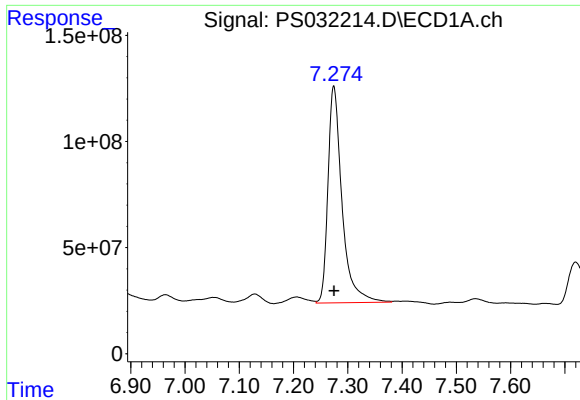
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 03:31:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





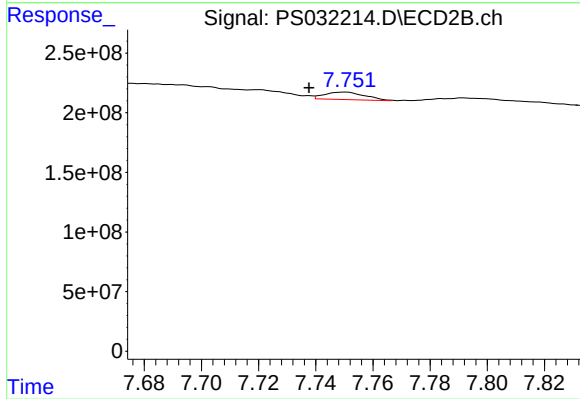
#4 2,4-DCAA

R.T.: 7.274 min
Delta R.T.: 0.000 min
Response: 1839738782
Conc: 425.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW3-251023-01RE

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025



#4 2,4-DCAA

R.T.: 7.751 min
Delta R.T.: 0.013 min
Response: 59979675
Conc: 54.85 ng/ml m



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	P001-TW4-251023-01		SDG No.:	Q3447
Lab Sample ID:	Q3447-08		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/27/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	10/28/25 07:24	PB170269
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	10/28/25 07:24	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	387			61 - 136	77%	SPK: 500		

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\PS102725\
 Data File : PS032201.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 07:24
 Operator : AR\AJ
 Sample : Q3447-08
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 ECD_S
ClientSampleId :
 P001-TW4-251023-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 07:44:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.274	7.747	1674.8E6	64897340	387.360	59.346m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 07:24
Operator : AR\AJ
Sample : Q3447-08
Misc :
ALS Vial : 37 Sample Multiplier: 1

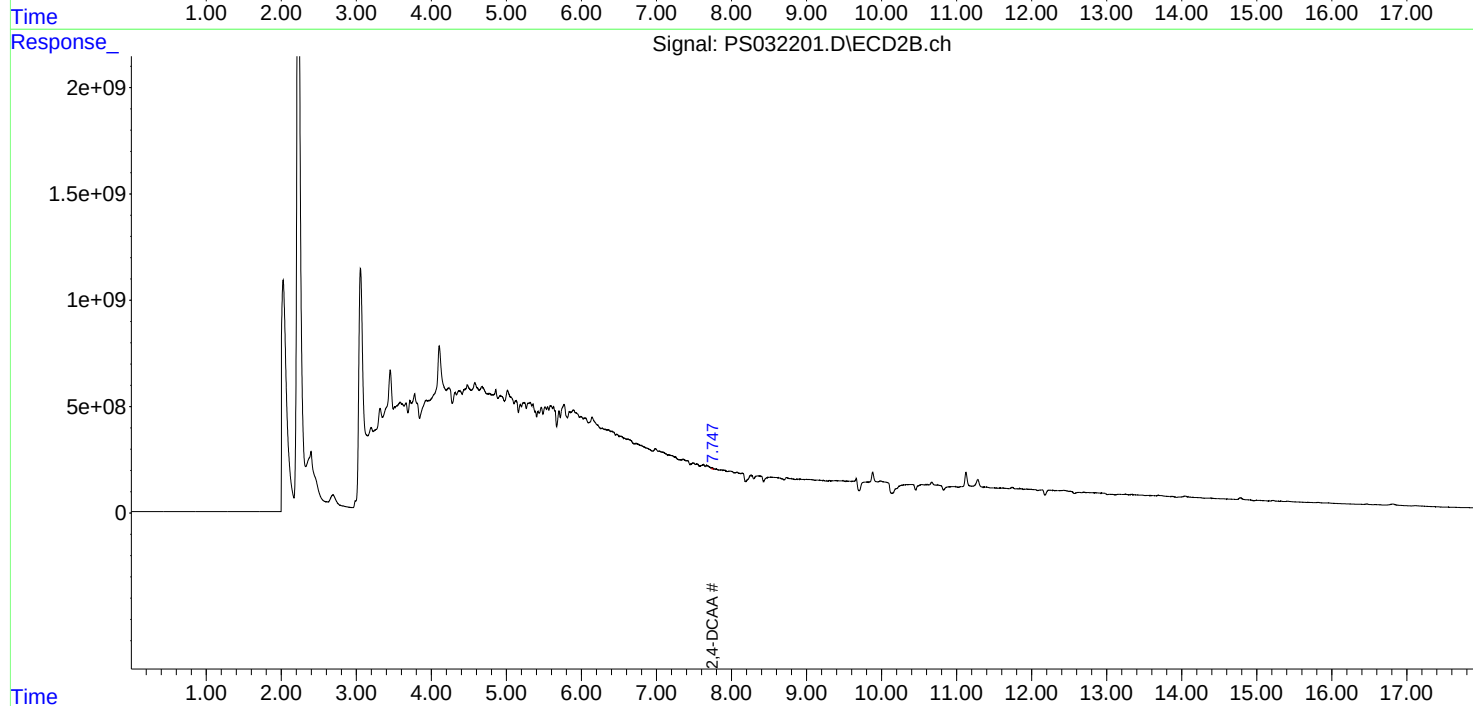
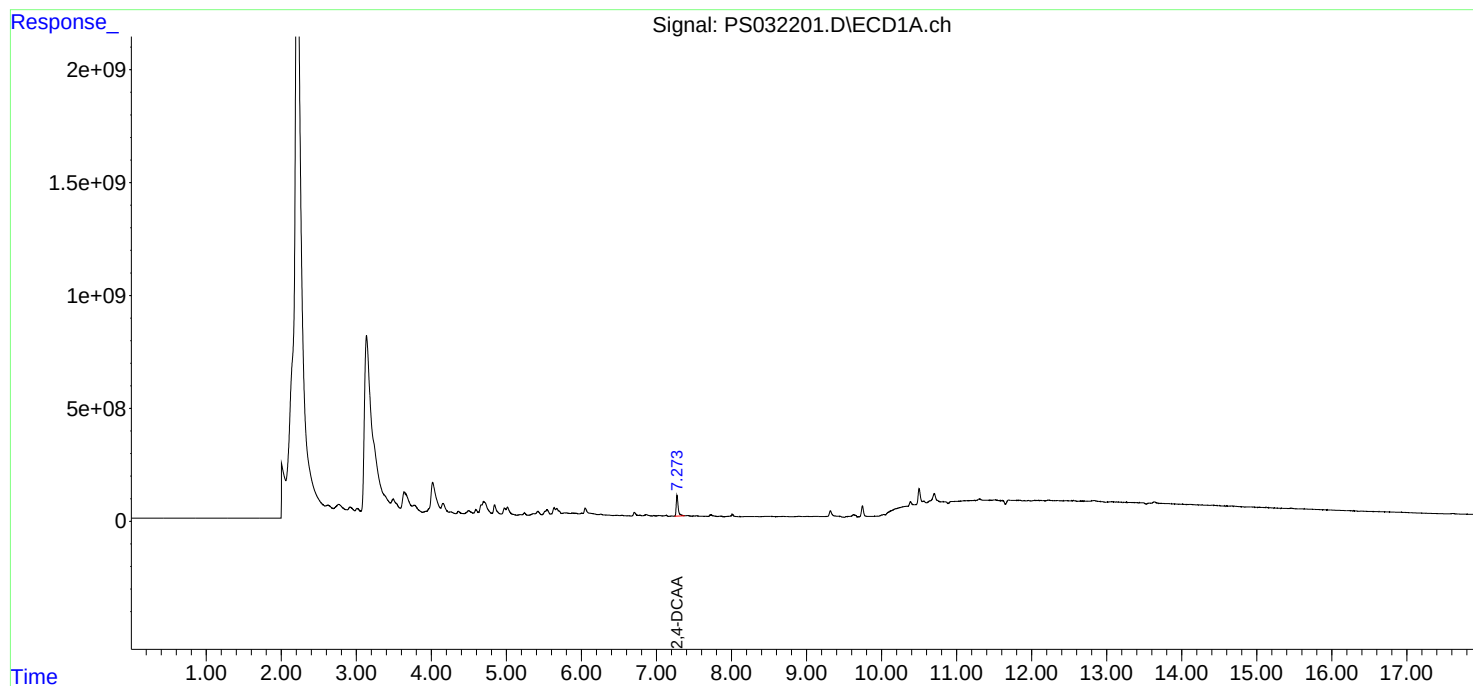
Instrument :
ECD_S
ClientSampleId :
P001-TW4-251023-01

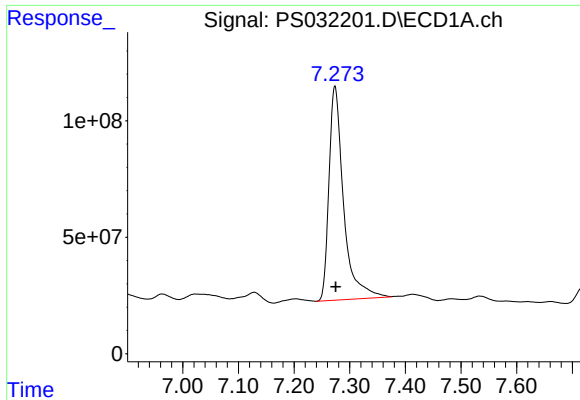
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/28/2025
Supervised By : mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 07:44:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial 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





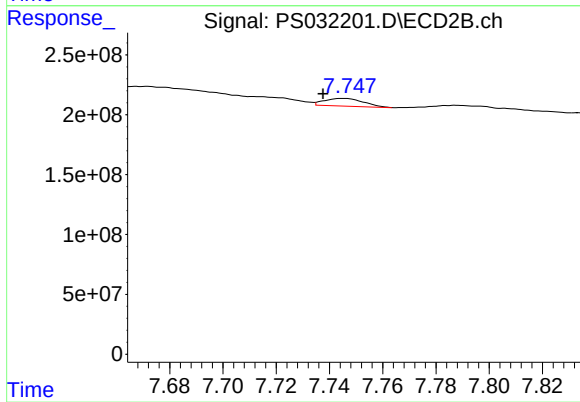
#4 2,4-DCAA

R.T.: 7.274 min
Delta R.T.: -0.001 min
Response: 1674813889
Conc: 387.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW4-251023-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



#4 2,4-DCAA

R.T.: 7.747 min
Delta R.T.: 0.009 min
Response: 64897340
Conc: 59.35 ng/ml m

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	P001-TW4-251023-01RE		SDG No.:	Q3447
Lab Sample ID:	Q3447-08RE		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/27/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	10/28/25 16:52	PB170269
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	10/28/25 16:52	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	397			61 - 136	79%	SPK: 500		

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\PS102825\
Data File : PS032215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 16:52
Operator : AR\AJ
Sample : Q3447-08RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
P001-TW4-251023-01RE

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 03:31:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.275	7.750	1717.8E6	54780567	397.312	50.095m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102825\
Data File : PS032215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 16:52
Operator : AR\AJ
Sample : Q3447-08RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

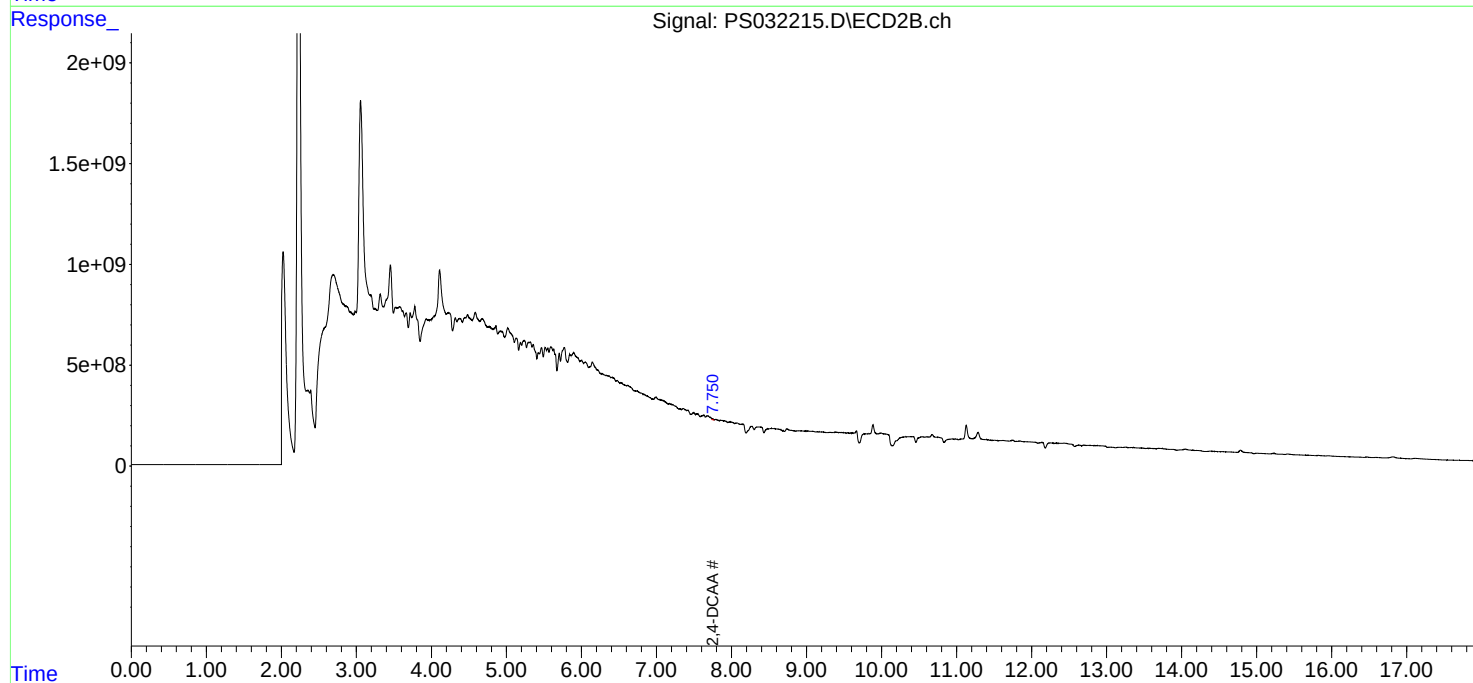
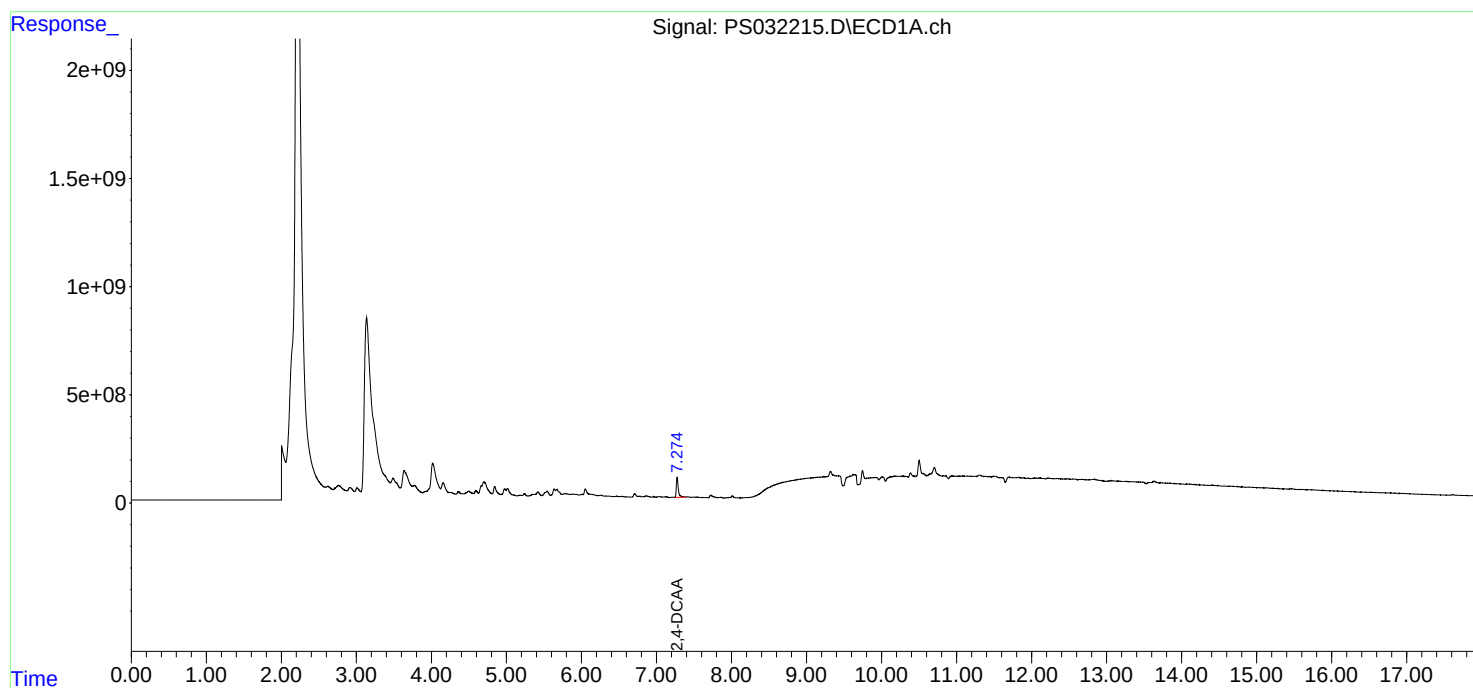
Instrument :
ECD_S
ClientSampleId :
P001-TW4-251023-01RE

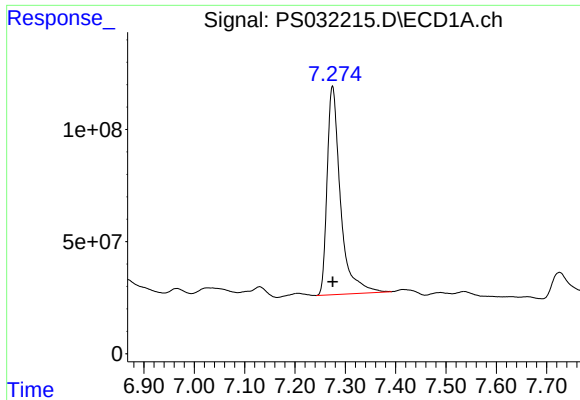
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 03:31:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





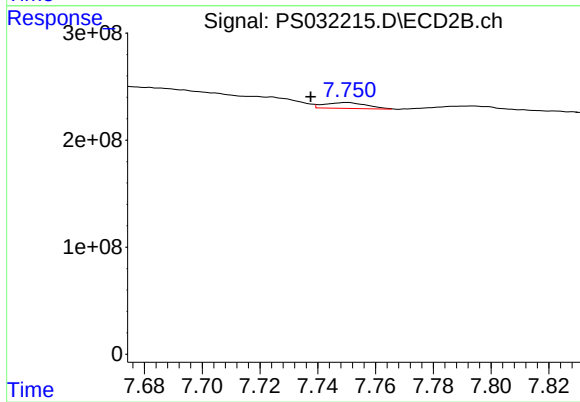
#4 2,4-DCAA

R.T.: 7.275 min
Delta R.T.: 0.000 min
Response: 1717842169
Conc: 397.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW4-251023-01RE

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025



#4 2,4-DCAA

R.T.: 7.750 min
Delta R.T.: 0.012 min
Response: 54780567
Conc: 50.09 ng/ml m



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3447</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>10/27/2025</u> <u>10/27/2025</u>
		Calibration Times:	<u>11:43</u> <u>13:21</u>

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

LAB FILE ID:	RT 200 = <u>PS032163.D</u>	RT 500 = <u>PS032164.D</u>
	RT 750 = <u>PS032165.D</u>	RT 1000 = <u>PS032166.D</u>
		RT 1500 = <u>PS032167.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM TO	
2,4,5-TP(Silvex)	9.28	9.27	9.27	9.27	9.27	9.27	9.17	9.37
2,4-D	8.43	8.41	8.41	8.40	8.40	8.41	8.31	8.51
2,4-DCAA	7.28	7.28	7.28	7.27	7.27	7.28	7.18	7.38

Calibration Times: 11:43 13:21

LAB FILE ID:	RT 200 =	<u>PS032163.D</u>	RT 500 =	<u>PS032164.D</u>
	RT 750 =	PS032165.D	RT 1000 =	PS032166.D
			RT 1500 =	PS032167.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Instrument ID: ECD_S

Calibration Date(s): 10/27/2025 10/27/2025

Calibration Times: 11:43 13:21

GC Column: RTX-CLP

ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS032163.D</u>	CF 500 =	<u>PS032164.D</u>		
CF 750 =		<u>PS032165.D</u>	CF 1000 =	<u>PS032166.D</u>	CF 1500 =	<u>PS032167.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	26757700000	25679400000	24691400000	23878600000	22408200000	24683100000	7
2,4-D	4693340000	4242740000	4067710000	3947900000	3765270000	4143390000	9
2,4-DCAA	4831820000	4494610000	4295060000	4114800000	3882030000	4323660000	8



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Instrument ID: ECD_S

Calibration Date(s): 10/27/2025 10/27/2025

Calibration Times: 11:43 13:21

GC Column: RTX-CLP2

ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS032163.D</u>	CF 500 =	<u>PS032164.D</u>		
CF 750 =		<u>PS032165.D</u>	CF 1000 =	<u>PS032166.D</u>	CF 1500 =	<u>PS032167.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	20475900000	19658700000	18937200000	18317600000	17119600000	18901800000	7
2,4-D	1855220000	2000330000	1969970000	1950710000	1877190000	1930680000	3
2,4-DCAA	1085450000	1111770000	1100640000	1098210000	1071610000	1093540000	1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
 Data File : PS032163.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 11:43
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC200

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 27 14:10:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 27 13:59:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.284	7.747	966.4E6	217.1E6	223.506	200.741m
Target Compounds							
1) T	Dalapon	2.661	2.684	1459.1E6	680.2E6	202.342	184.949
2) T	3,5-DICHL...	6.450	6.705	1314.1E6	385.4E6	207.836	204.780
3) T	4-Nitroph...	7.146	7.364	145.3E6	282.8E6	133.066m	182.548m#
5) T	DICAMBA	7.460	7.935	3787.3E6	1622.2E6	205.011	198.648
6) T	MCPD	7.632	8.025	150.0E6	35743278	13.936	13.976
7) T	MCPA	7.781	8.272	199.1E6	52314702	15.290	14.939
8) T	DICHLORPROP	8.171	8.659	985.4E6	383.1E6	226.547	208.486
9) T	2,4-D	8.427	9.019	882.3E6	348.8E6	212.953	180.652
10) T	Pentachlo...	8.695	9.501	14568.6E6	10155.7E6	236.108	209.116
11) T	2,4,5-TP ...	9.276	9.889	5084.0E6	3890.4E6	205.970	205.823
12) T	2,4,5-T	9.586	10.328	4021.7E6	3008.9E6	193.066	186.580
13) T	2,4-DB	10.168	10.898	395.8E6	305.7E6	171.981	229.872 #
14) T	DINOSEB	11.337	11.257	4058.1E6	2690.7E6	211.359	195.117
15) T	Picloram	11.208	12.405	2892.5E6	4941.1E6	159.461m	169.979
16) T	DCPA	11.636	12.296	6949.2E6	6510.5E6	216.889	209.075

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 11:43
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations

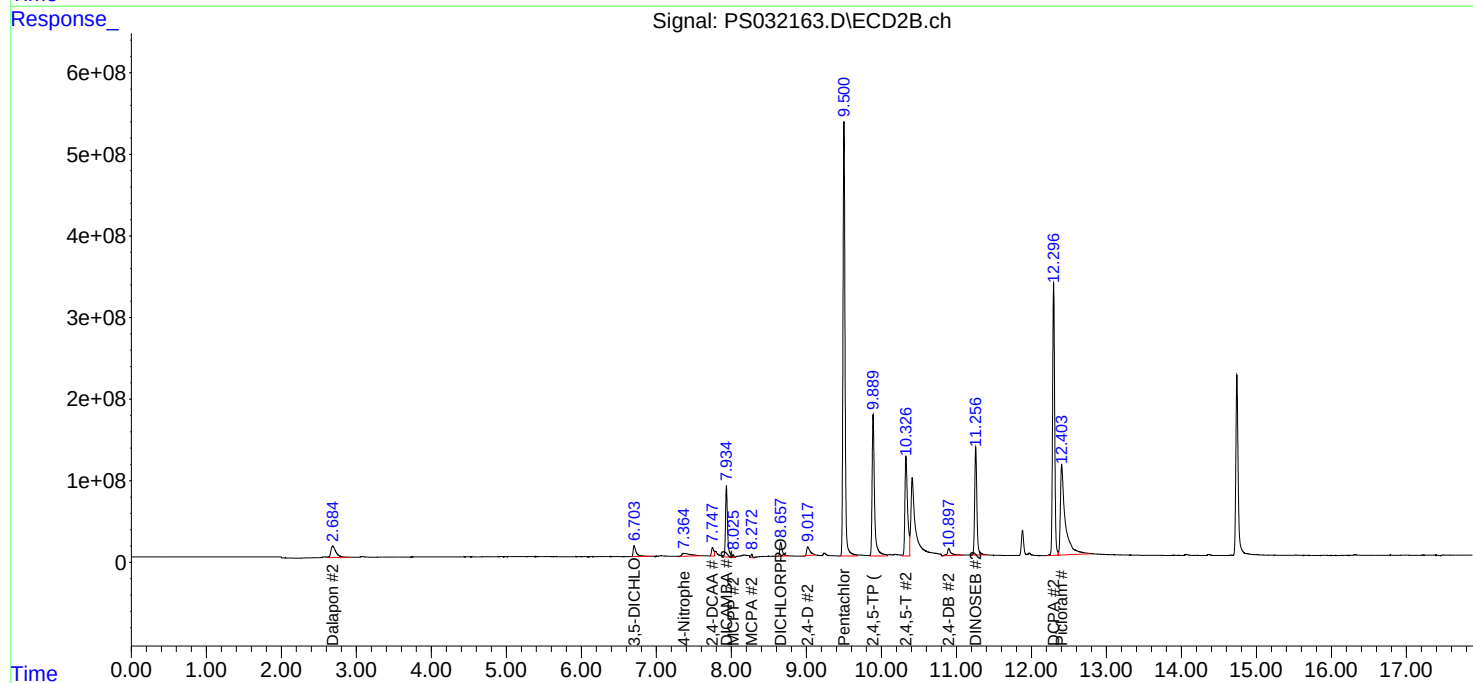
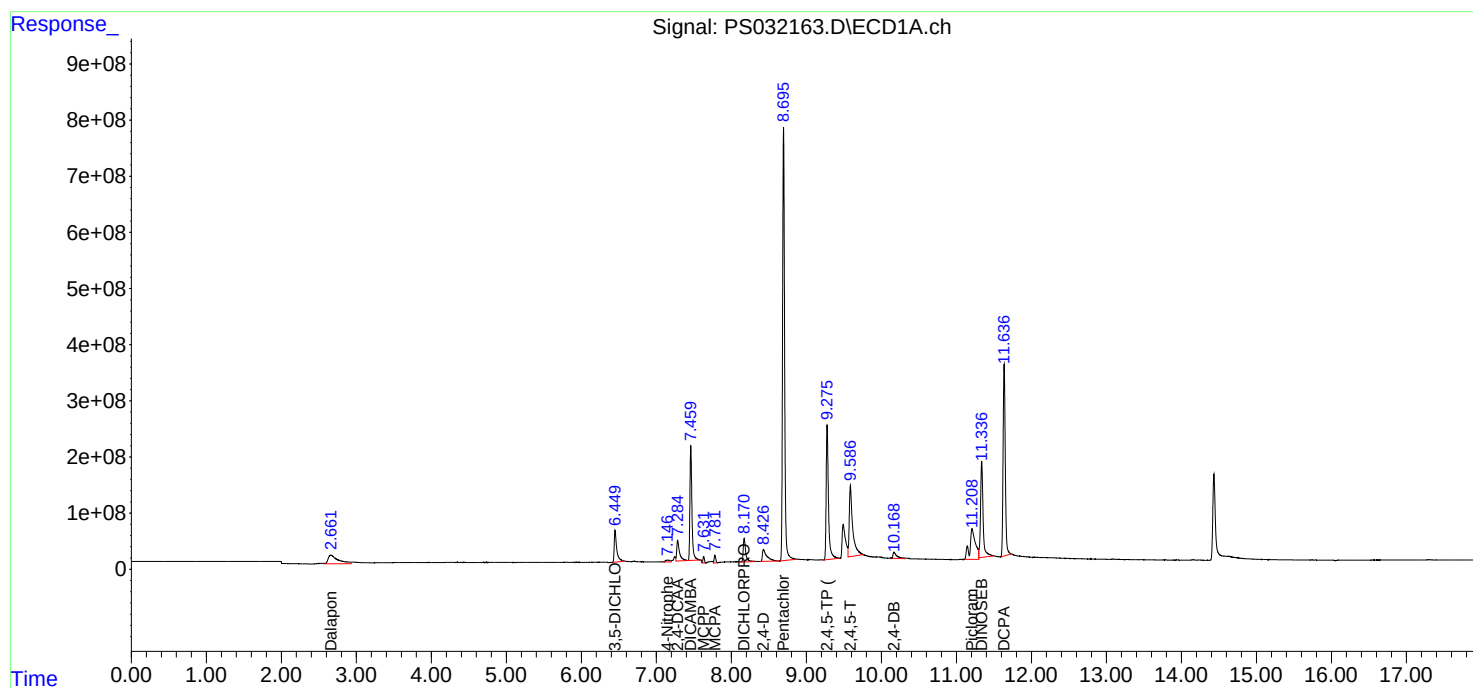
APPROVED

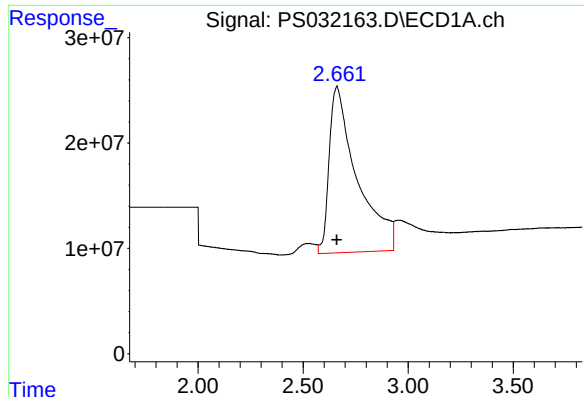
Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 27 14:10:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Mon Oct 27 13:59:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





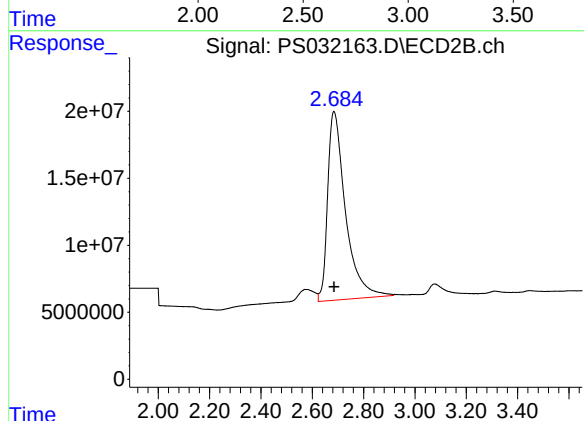
#1 Dalapon

R.T.: 2.661 min
Delta R.T.: 0.000 min
Response: 1459114909
Conc: 202.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

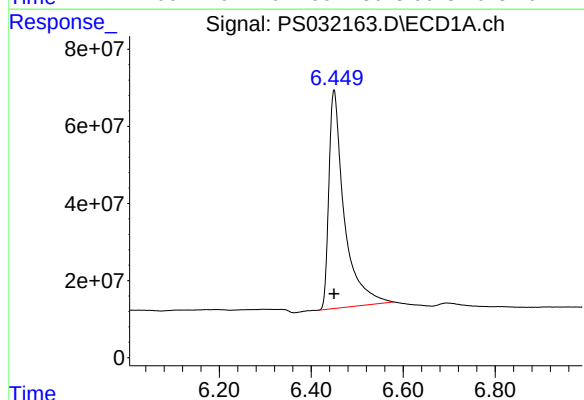
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



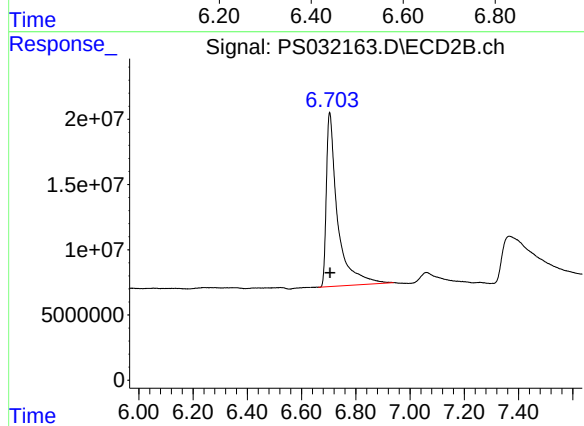
#1 Dalapon

R.T.: 2.684 min
Delta R.T.: 0.000 min
Response: 680237979
Conc: 184.95 ng/ml



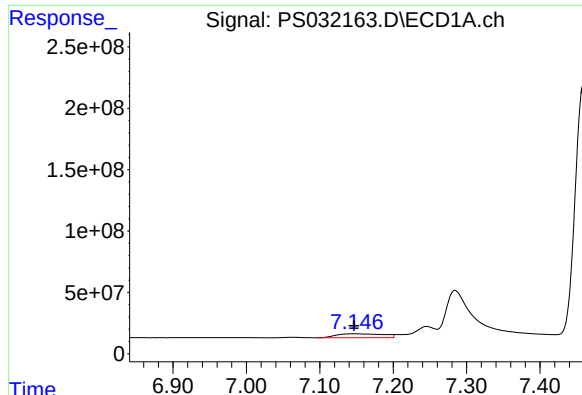
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.450 min
Delta R.T.: 0.000 min
Response: 1314132126
Conc: 207.84 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 385391763
Conc: 204.78 ng/ml



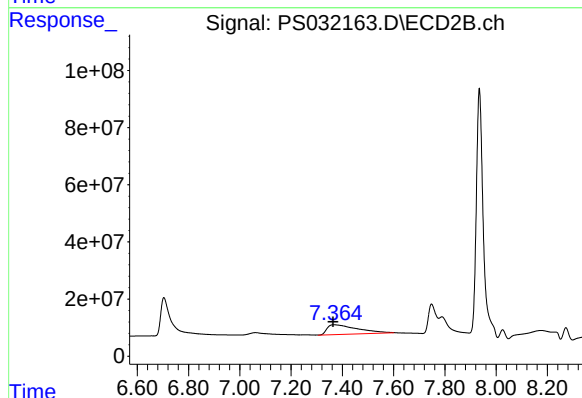
#3 4-Nitrophenol

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 145254165
Conc: 133.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

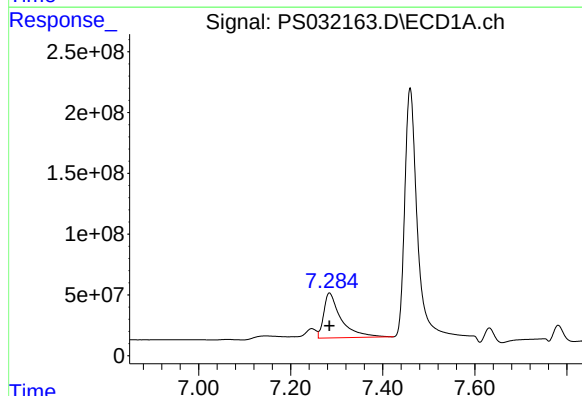
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



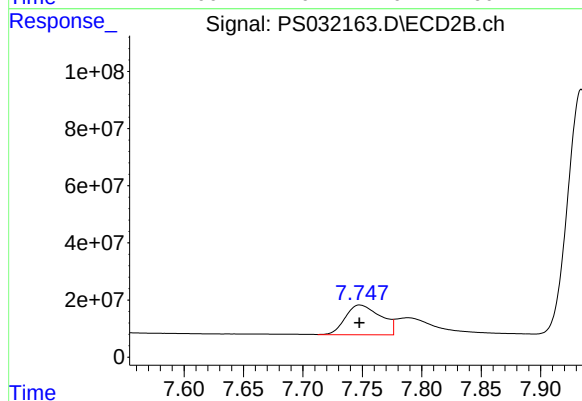
#3 4-Nitrophenol

R.T.: 7.364 min
Delta R.T.: 0.000 min
Response: 282797093
Conc: 182.55 ng/ml m



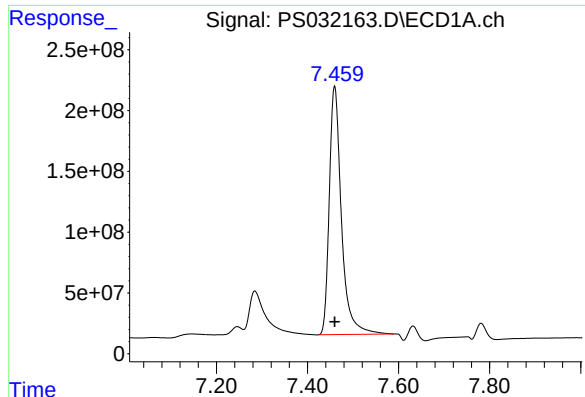
#4 2,4-DCAA

R.T.: 7.284 min
Delta R.T.: 0.000 min
Response: 966363778
Conc: 223.51 ng/ml



#4 2,4-DCAA

R.T.: 7.747 min
Delta R.T.: 0.000 min
Response: 217090201
Conc: 200.74 ng/ml m



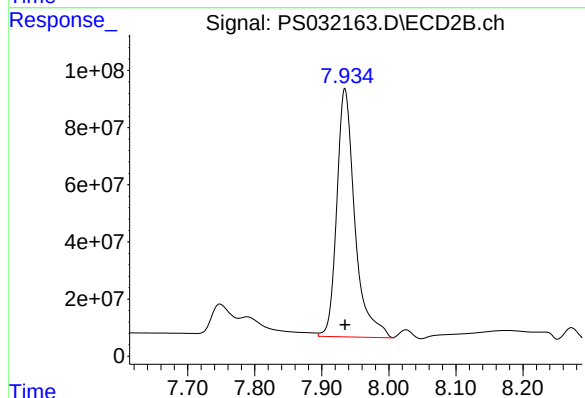
#5 DICAMBA

R.T.: 7.460 min
Delta R.T.: 0.000 min
Response: 3787289221
Conc: 205.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

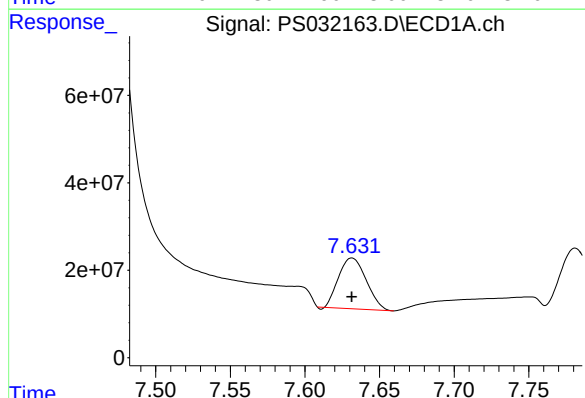
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



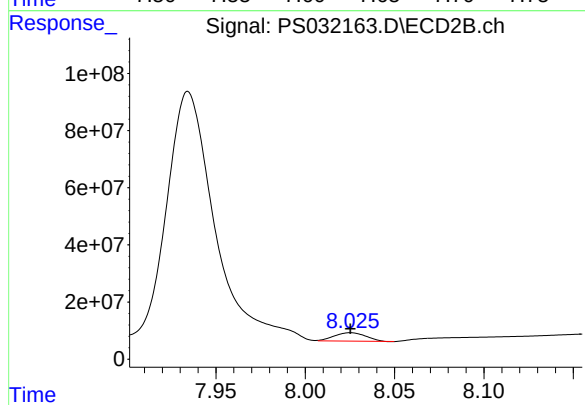
#5 DICAMBA

R.T.: 7.935 min
Delta R.T.: 0.000 min
Response: 1622156547
Conc: 198.65 ng/ml



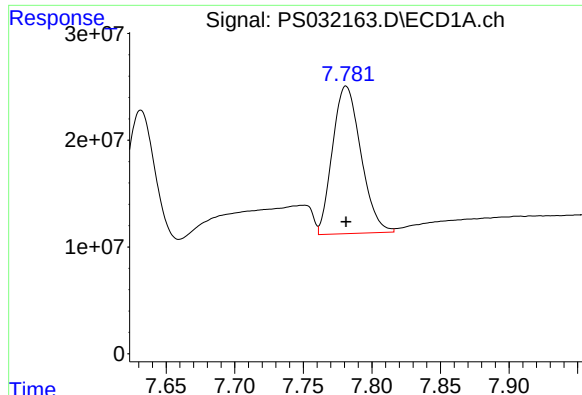
#6 MCPP

R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 150044233
Conc: 13.94 ug/ml



#6 MCPP

R.T.: 8.025 min
Delta R.T.: 0.000 min
Response: 35743278
Conc: 13.98 ug/ml



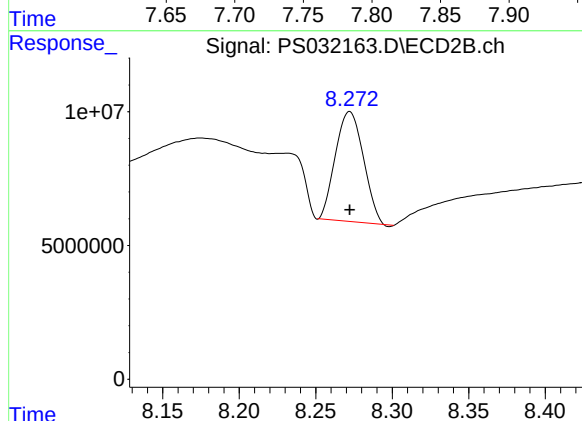
#7 MCPA

R.T.: 7.781 min
Delta R.T.: 0.000 min
Response: 199096401
Conc: 15.29 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

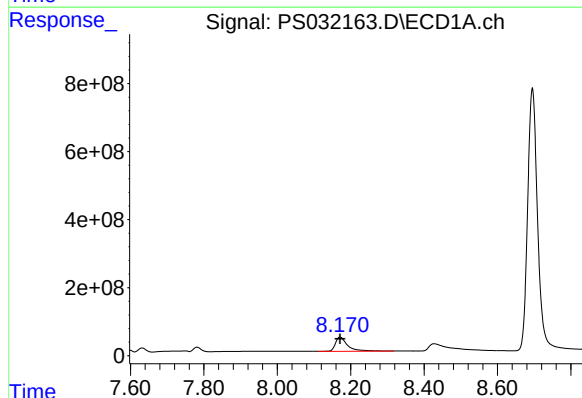
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



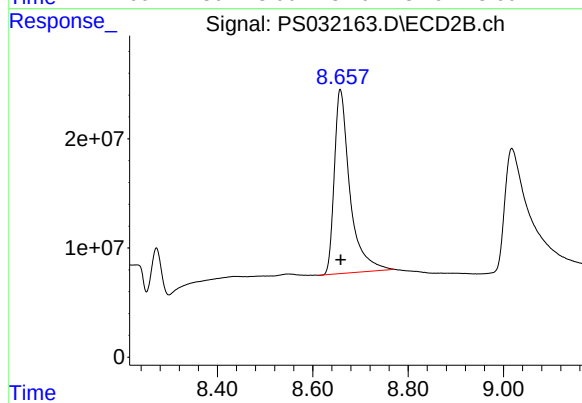
#7 MCPA

R.T.: 8.272 min
Delta R.T.: 0.000 min
Response: 52314702
Conc: 14.94 ug/ml



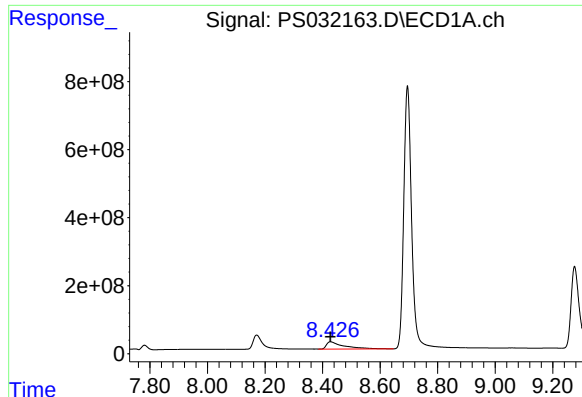
#8 DICHLORPROP

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 985427492
Conc: 226.55 ng/ml



#8 DICHLORPROP

R.T.: 8.659 min
Delta R.T.: 0.000 min
Response: 383072873
Conc: 208.49 ng/ml



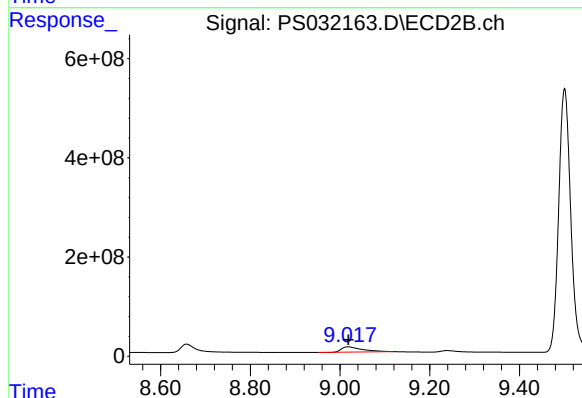
#9 2,4-D

R.T.: 8.427 min
Delta R.T.: 0.000 min
Response: 882347593
Conc: 212.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

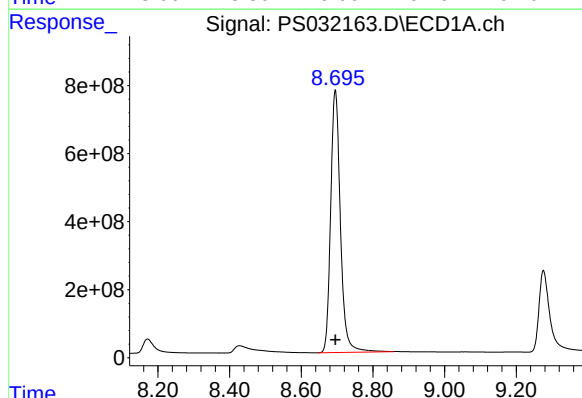
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



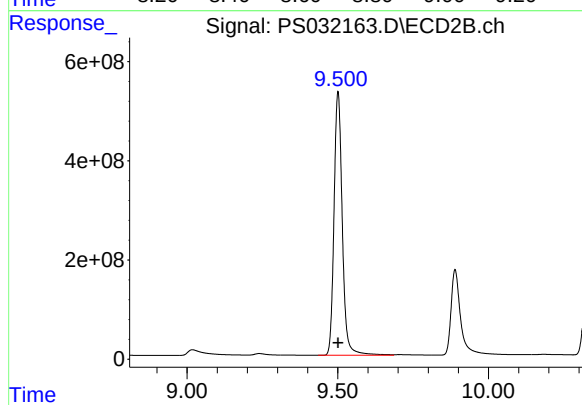
#9 2,4-D

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 348782032
Conc: 180.65 ng/ml



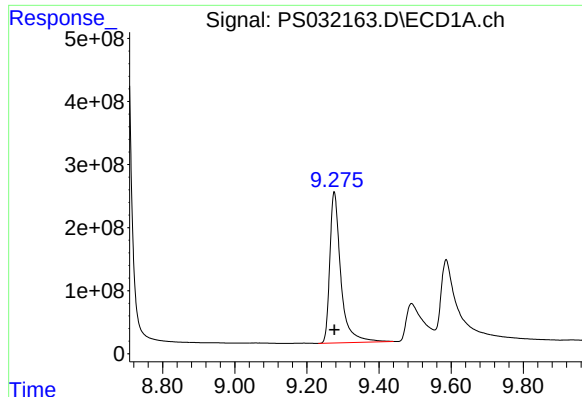
#10 Pentachlorophenol

R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 14568551470
Conc: 236.11 ng/ml



#10 Pentachlorophenol

R.T.: 9.501 min
Delta R.T.: 0.000 min
Response: 10155698188
Conc: 209.12 ng/ml



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

R.T.: 9.276 min
Delta R.T.: 0.000 min
Response: 5083965998
Conc: 205.97 ng/ml

Instrument :

ECD_S

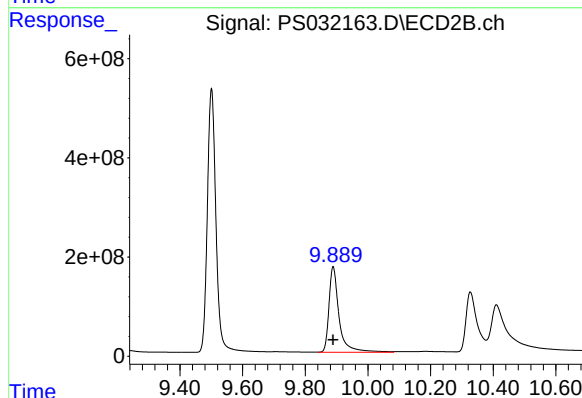
ClientSampleId :

HSTDICC200

Manual Integrations

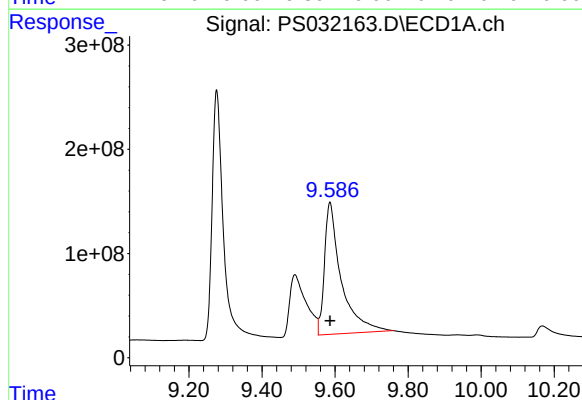
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



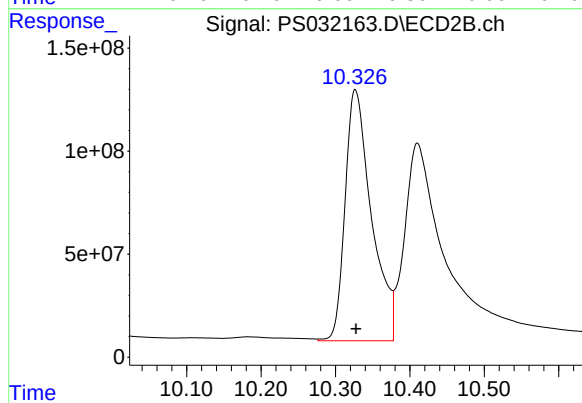
#11 2,4,5-TP (SILVEX)

R.T.: 9.889 min
Delta R.T.: 0.000 min
Response: 3890421235
Conc: 205.82 ng/ml



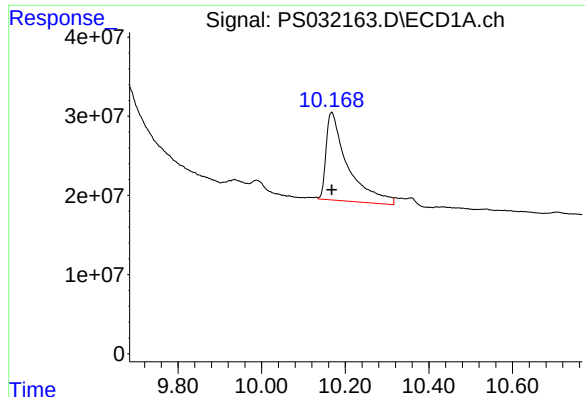
#12 2,4,5-T

R.T.: 9.586 min
Delta R.T.: 0.000 min
Response: 4021684639
Conc: 193.07 ng/ml



#12 2,4,5-T

R.T.: 10.328 min
Delta R.T.: 0.000 min
Response: 3008942590
Conc: 186.58 ng/ml



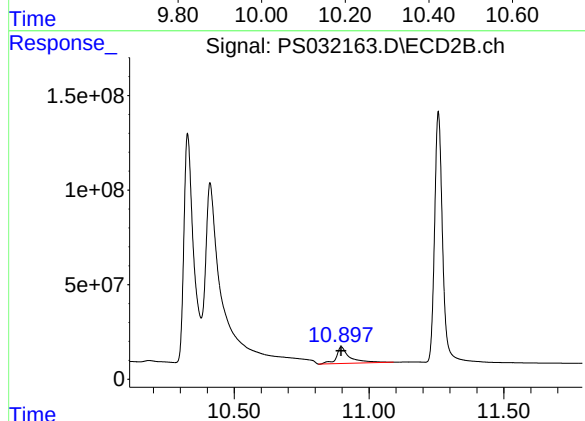
#13 2,4-DB

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 395779621
Conc: 171.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

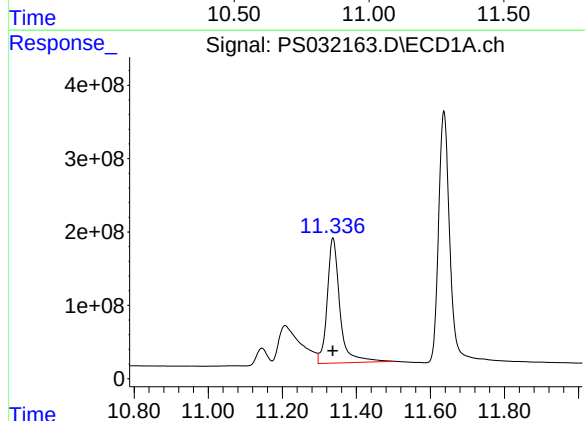
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



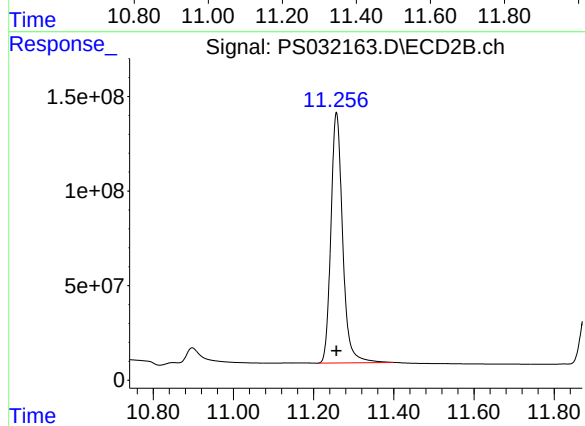
#13 2,4-DB

R.T.: 10.898 min
Delta R.T.: 0.000 min
Response: 305730490
Conc: 229.87 ng/ml



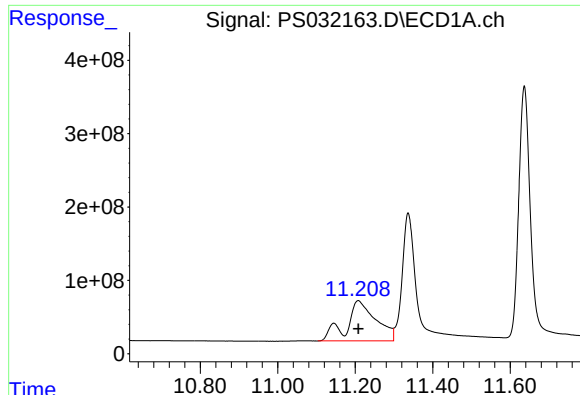
#14 DINOSEB

R.T.: 11.337 min
Delta R.T.: 0.000 min
Response: 4058071835
Conc: 211.36 ng/ml



#14 DINOSEB

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 2690725430
Conc: 195.12 ng/ml



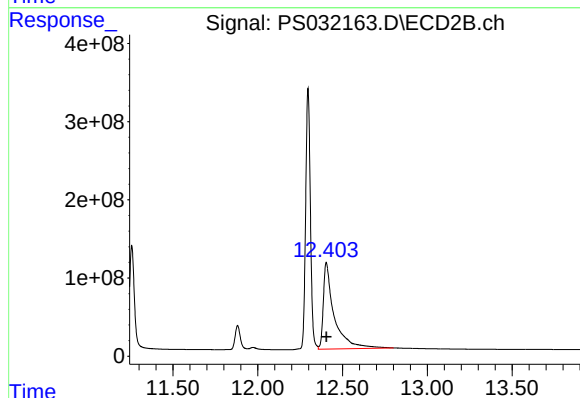
#15 Picloram

R.T.: 11.208 min
Delta R.T.: 0.000 min
Response: 2892516734
Conc: 159.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

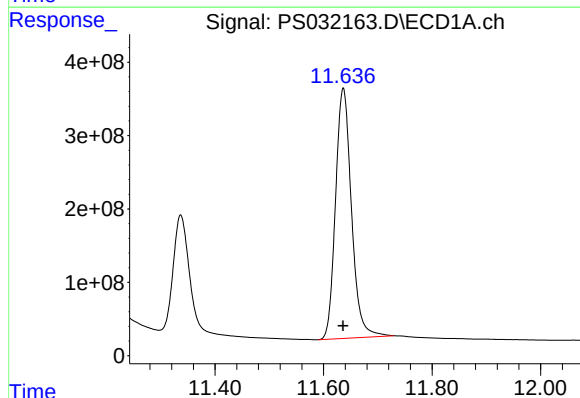
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



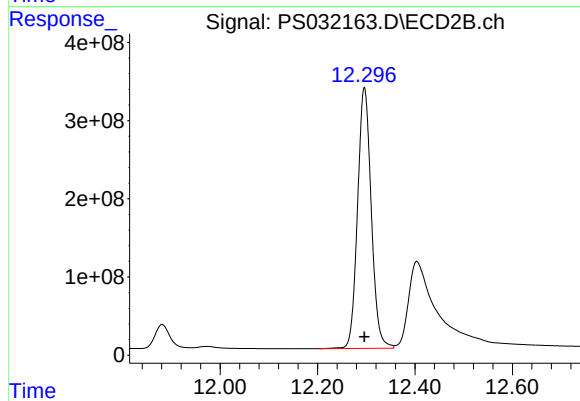
#15 Picloram

R.T.: 12.405 min
Delta R.T.: 0.000 min
Response: 4941149234
Conc: 169.98 ng/ml



#16 DCPA

R.T.: 11.636 min
Delta R.T.: 0.000 min
Response: 6949220570
Conc: 216.89 ng/ml



#16 DCPA

R.T.: 12.296 min
Delta R.T.: 0.000 min
Response: 6510513587
Conc: 209.07 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
 Data File : PS032164.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 12:08
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC500

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 27 14:06:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 27 13:59:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.278	7.740	2247.3E6	555.9E6	535.503	507.399
Target Compounds							
1) T	Dalapon	2.658	2.687	3330.4E6	1724.5E6	475.117	470.768
2) T	3,5-DICHL...	6.445	6.695	3067.3E6	901.3E6	499.769	491.311
3) T	4-Nitroph...	7.108	7.312	463.7E6	614.6E6	400.861	385.439
5) T	DICAMBA	7.458	7.933	9003.3E6	3920.2E6	498.639	486.961
6) T	MCPD	7.634	8.027	500.4E6	122.7E6	43.655	45.100
7) T	MCPA	7.782	8.274	597.6E6	165.0E6	43.941	44.916
8) T	DICHLORPROP	8.167	8.653	2096.5E6	890.7E6	508.025	498.327
9) T	2,4-D	8.411	9.001	1994.1E6	940.2E6	497.787	482.243
10) T	Pentachlo...	8.694	9.500	34064.2E6	25232.9E6	587.723	532.977
11) T	2,4,5-TP ...	9.273	9.886	12197.7E6	9337.9E6	504.780	504.525
12) T	2,4,5-T	9.576	10.318	10485.0E6	7848.9E6	505.387	484.521
13) T	2,4-DB	10.153	10.886	1102.0E6	644.3E6	467.750	487.178
14) T	DINOSEB	11.336	11.256	9357.1E6	6661.2E6	502.976	487.652
15) T	Picloram	11.182	12.385	8703.4E6	14011.1E6	440.692m	469.623
16) T	DCPA	11.636	12.296	16123.5E6	15675.2E6	520.078	514.829

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032164.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 12:08
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations

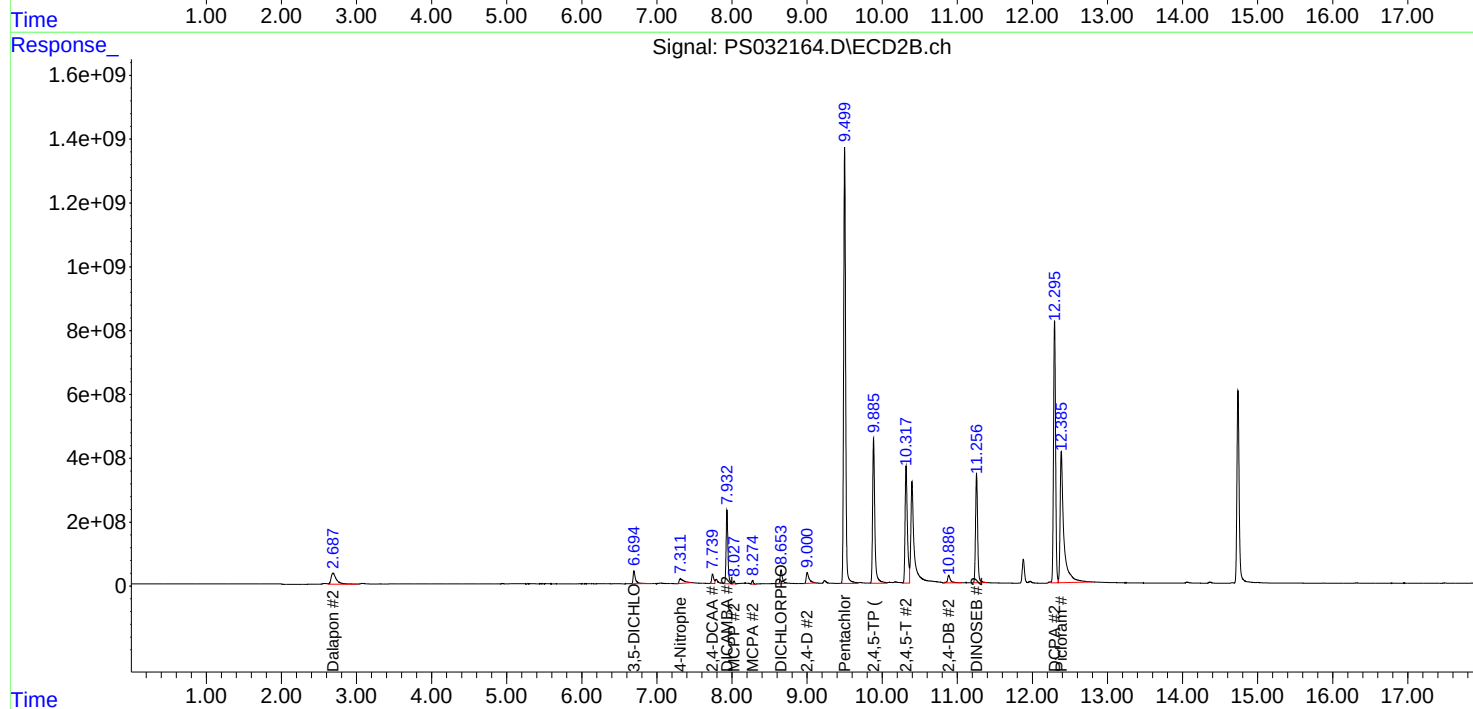
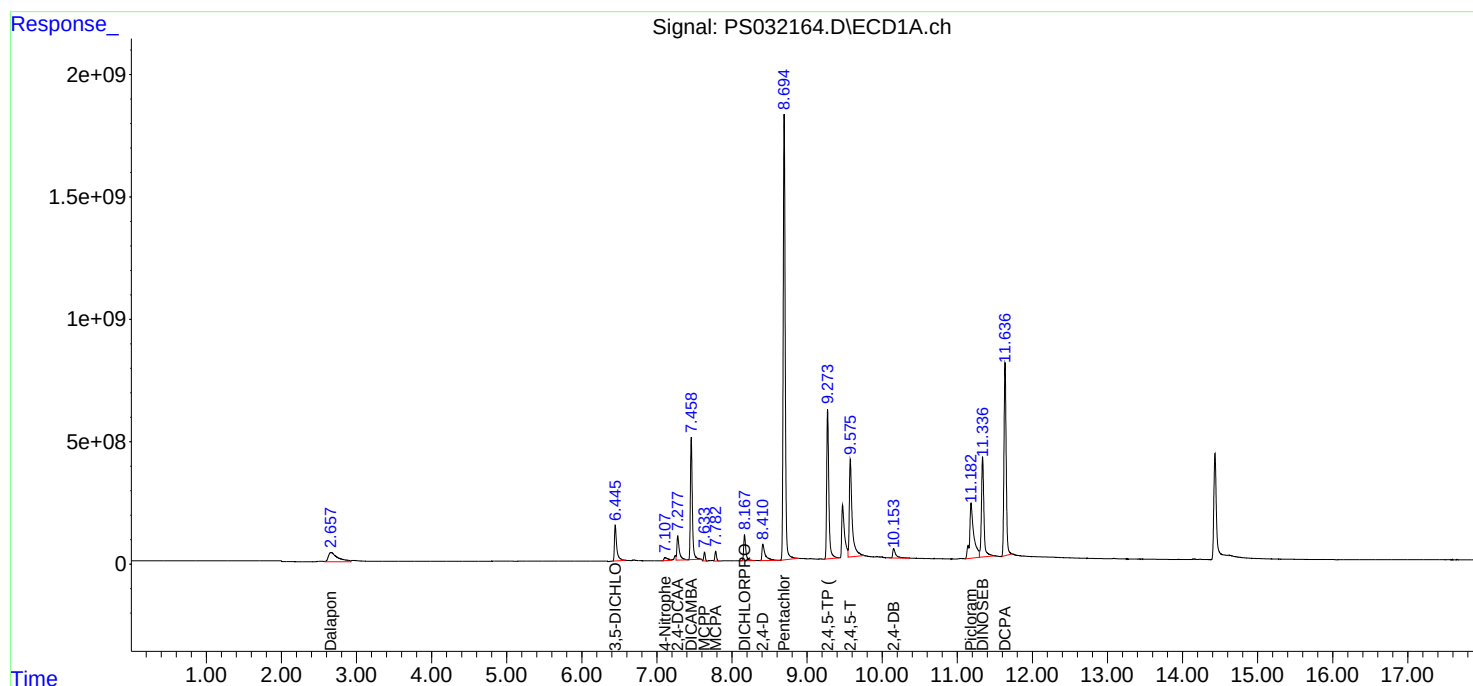
APPROVED

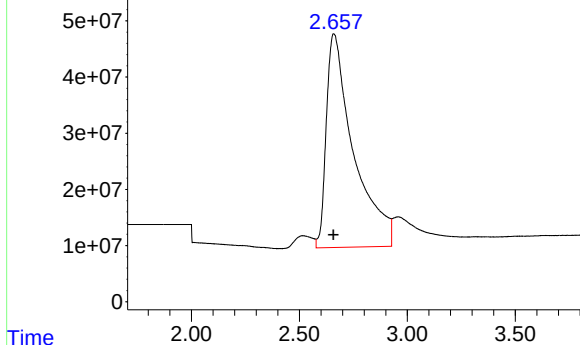
Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 27 14:06:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Mon Oct 27 13:59:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





R.T.: 2.658 min
Delta R.T.: 0.000 min
Response: 3330397208
Conc: 475.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations
APPROVED

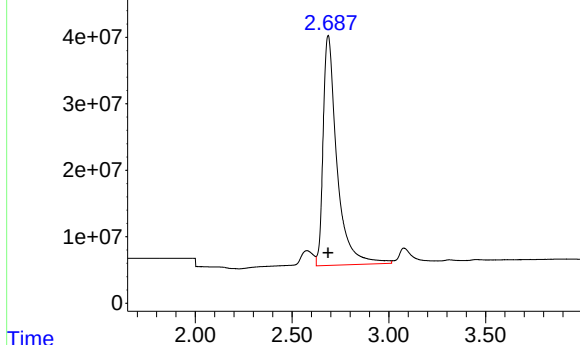
Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Time

Response_

Signal: PS032164.D\ECD2B.ch

#1 Dalapon



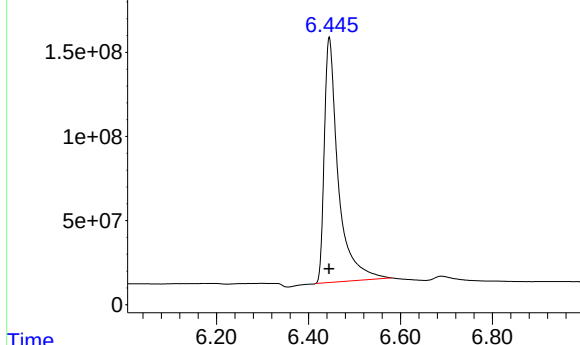
R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 1724459485
Conc: 470.77 ng/ml

Time

Response_

Signal: PS032164.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID



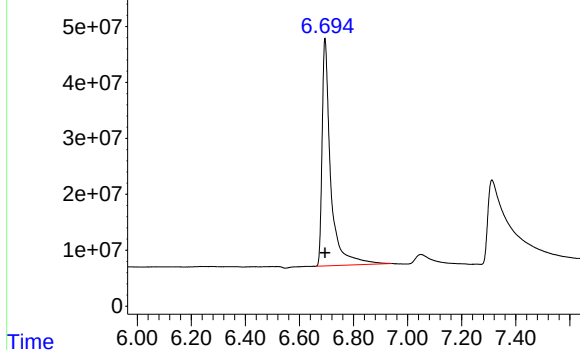
R.T.: 6.445 min
Delta R.T.: 0.000 min
Response: 3067253797
Conc: 499.77 ng/ml

Time

Response_

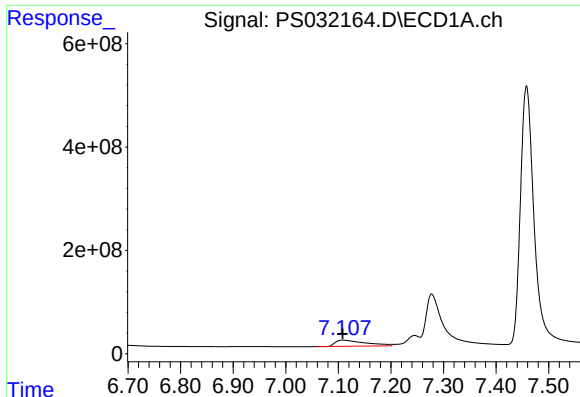
Signal: PS032164.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID



R.T.: 6.695 min
Delta R.T.: 0.000 min
Response: 901297902
Conc: 491.31 ng/ml

Time



#3 4-Nitrophenol

R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 463710750
Conc: 400.86 ng/ml

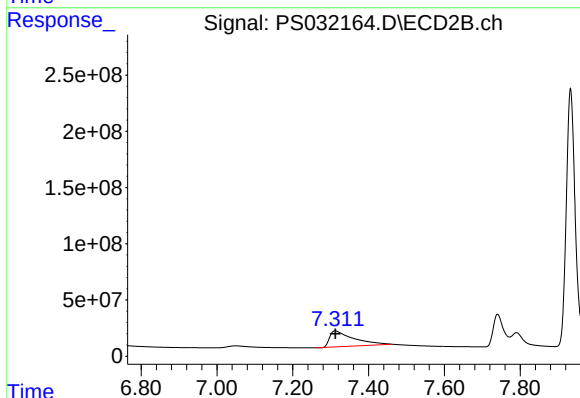
Instrument :

ECD_S

ClientSampleId :
HSTDICC500

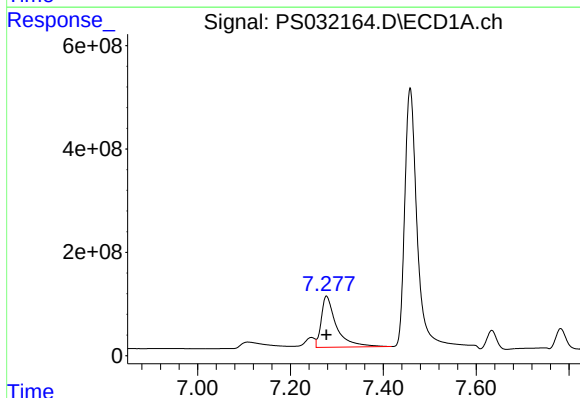
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



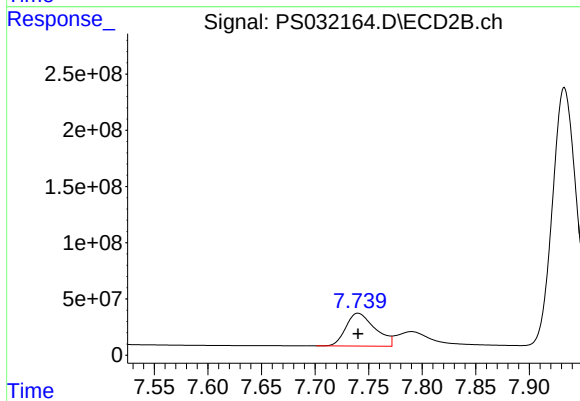
#3 4-Nitrophenol

R.T.: 7.312 min
Delta R.T.: 0.000 min
Response: 614565899
Conc: 385.44 ng/ml



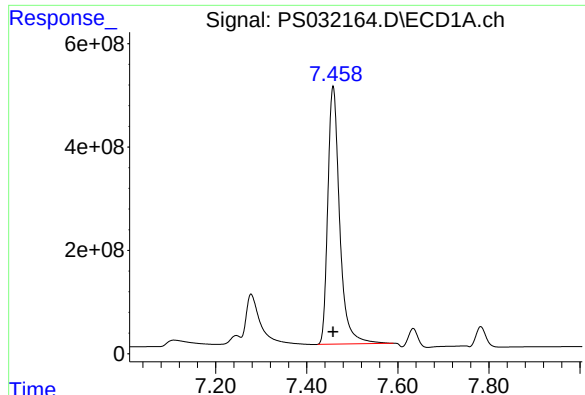
#4 2,4-DCAA

R.T.: 7.278 min
Delta R.T.: 0.000 min
Response: 2247304213
Conc: 535.50 ng/ml



#4 2,4-DCAA

R.T.: 7.740 min
Delta R.T.: 0.000 min
Response: 555884474
Conc: 507.40 ng/ml



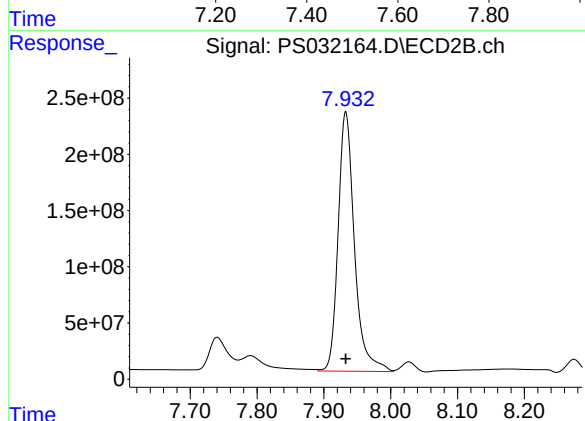
#5 DICAMBA

R.T.: 7.458 min
Delta R.T.: 0.000 min
Response: 9003279042
Conc: 498.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

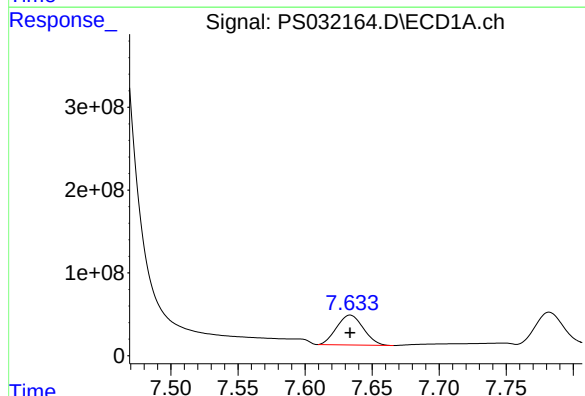
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



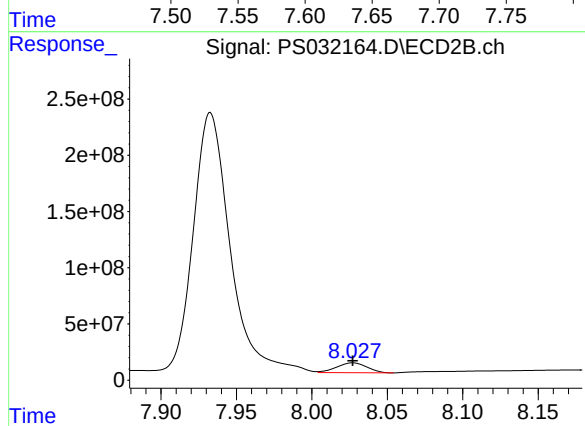
#5 DICAMBA

R.T.: 7.933 min
Delta R.T.: 0.000 min
Response: 3920201623
Conc: 486.96 ng/ml



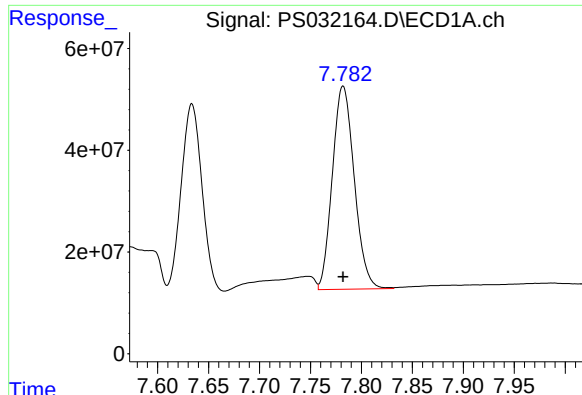
#6 MCPP

R.T.: 7.634 min
Delta R.T.: 0.000 min
Response: 500421170
Conc: 43.65 ug/ml



#6 MCPP

R.T.: 8.027 min
Delta R.T.: 0.000 min
Response: 122743530
Conc: 45.10 ug/ml



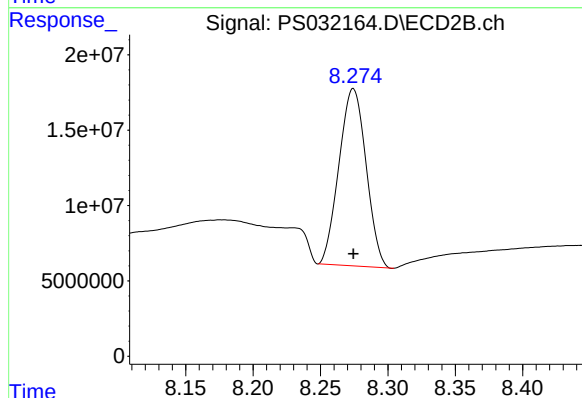
#7 MCPA

R.T.: 7.782 min
Delta R.T.: 0.000 min
Response: 597617826
Conc: 43.94 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

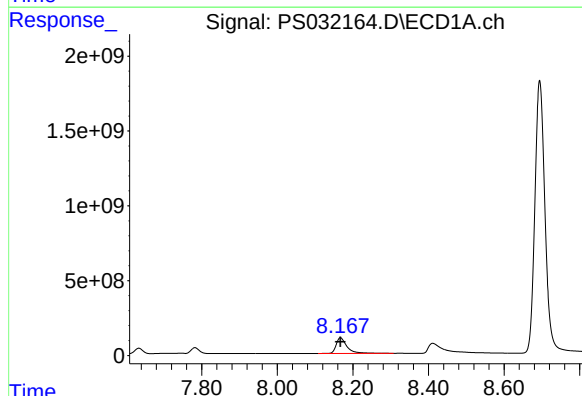
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



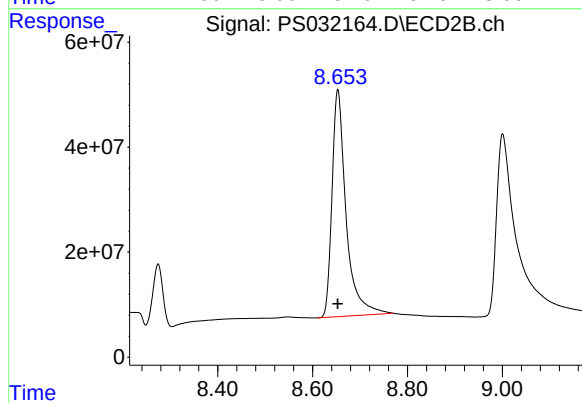
#7 MCPA

R.T.: 8.274 min
Delta R.T.: 0.000 min
Response: 165026035
Conc: 44.92 ug/ml



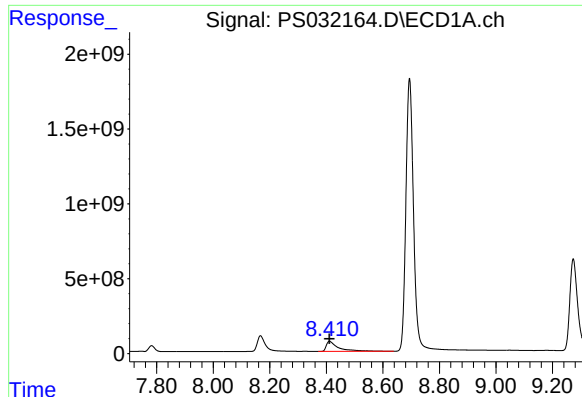
#8 DICHLORPROP

R.T.: 8.167 min
Delta R.T.: 0.000 min
Response: 2096521022
Conc: 508.02 ng/ml



#8 DICHLORPROP

R.T.: 8.653 min
Delta R.T.: 0.000 min
Response: 890686661
Conc: 498.33 ng/ml



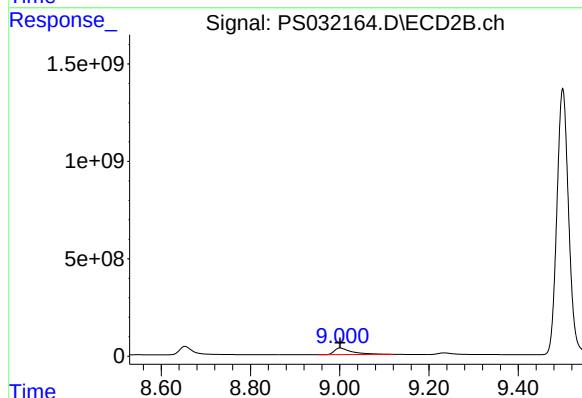
#9 2,4-D

R.T.: 8.411 min
Delta R.T.: 0.000 min
Response: 1994086821
Conc: 497.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

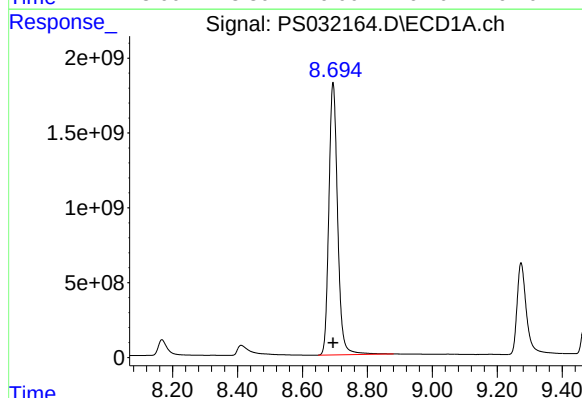
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



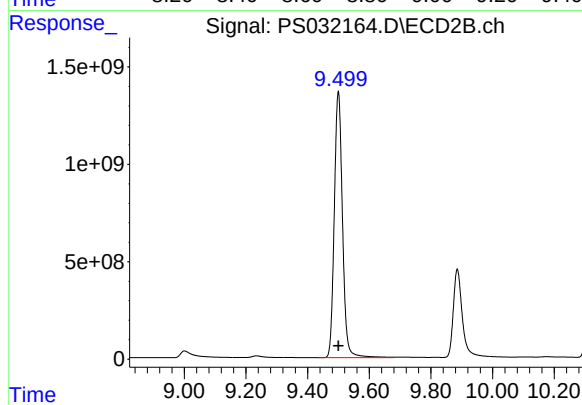
#9 2,4-D

R.T.: 9.001 min
Delta R.T.: 0.000 min
Response: 940156223
Conc: 482.24 ng/ml



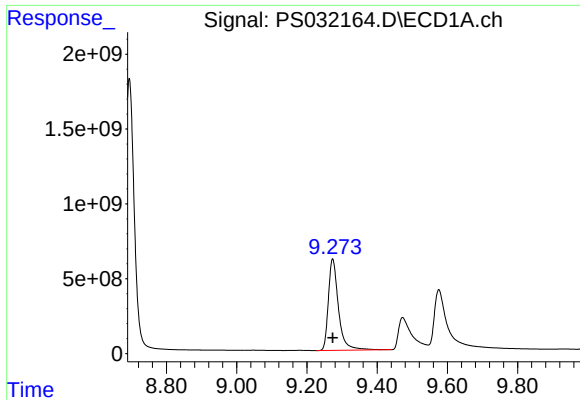
#10 Pentachlorophenol

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 34064178118
Conc: 587.72 ng/ml



#10 Pentachlorophenol

R.T.: 9.500 min
Delta R.T.: 0.000 min
Response: 25232900642
Conc: 532.98 ng/ml



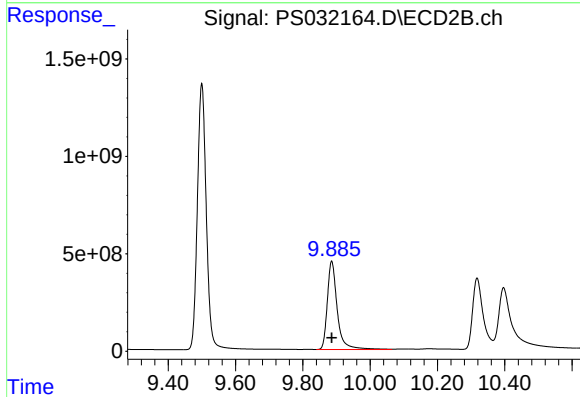
#11 2,4,5-TP (SILVEX)

R.T.: 9.273 min
Delta R.T.: 0.000 min
Response: 12197711177
Conc: 504.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

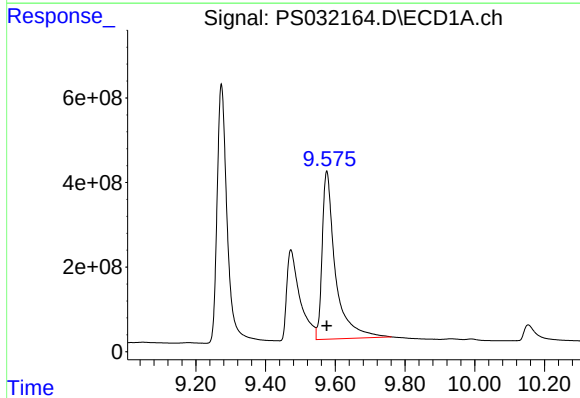
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



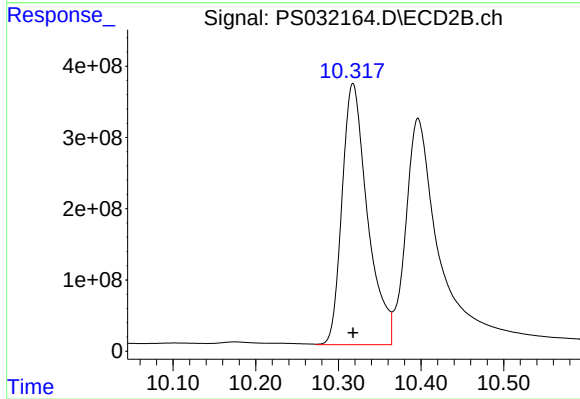
#11 2,4,5-TP (SILVEX)

R.T.: 9.886 min
Delta R.T.: 0.000 min
Response: 9337885472
Conc: 504.52 ng/ml



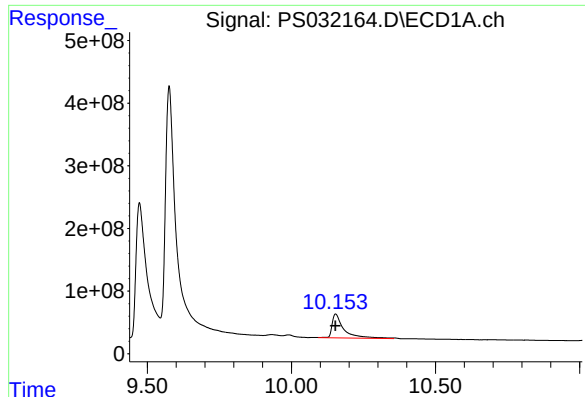
#12 2,4,5-T

R.T.: 9.576 min
Delta R.T.: 0.000 min
Response: 10485037514
Conc: 505.39 ng/ml



#12 2,4,5-T

R.T.: 10.318 min
Delta R.T.: 0.000 min
Response: 7848928161
Conc: 484.52 ng/ml



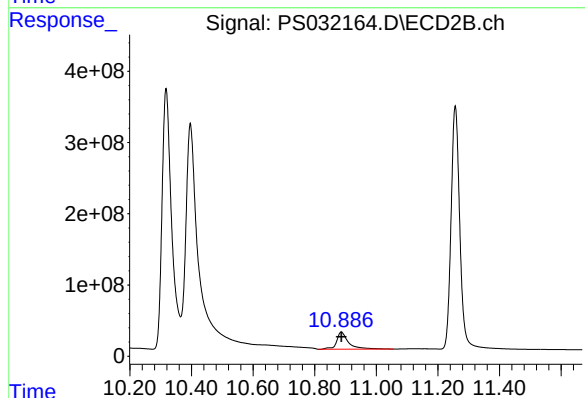
#13 2,4-DB

R.T.: 10.153 min
Delta R.T.: 0.000 min
Response: 1101955803
Conc: 467.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

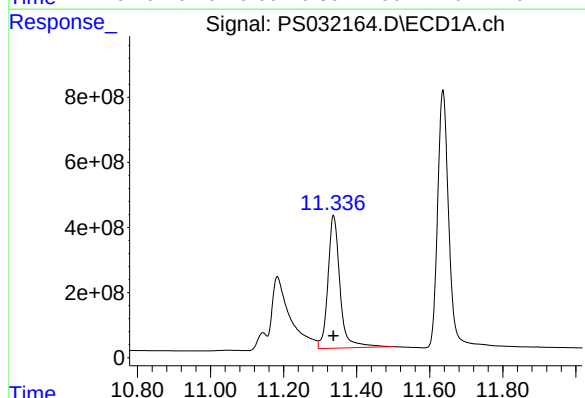
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



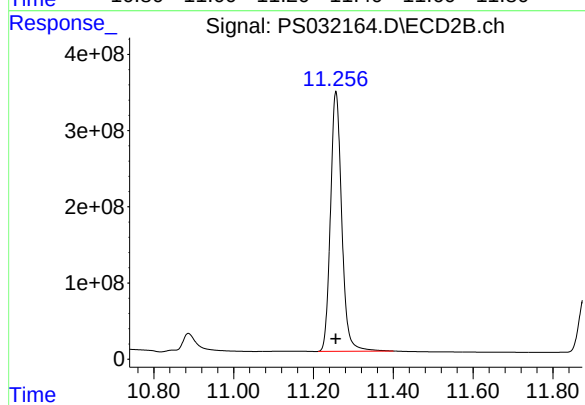
#13 2,4-DB

R.T.: 10.886 min
Delta R.T.: 0.000 min
Response: 644279195
Conc: 487.18 ng/ml



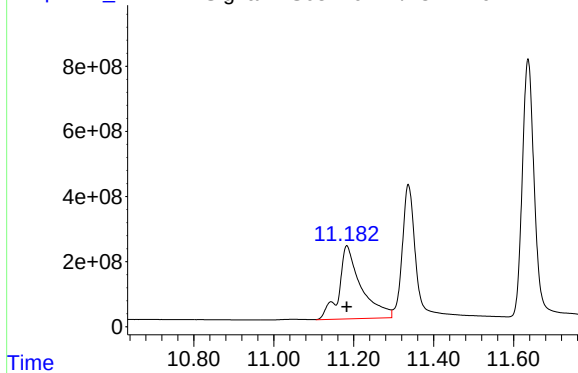
#14 DINOSEB

R.T.: 11.336 min
Delta R.T.: 0.000 min
Response: 9357101913
Conc: 502.98 ng/ml



#14 DINOSEB

R.T.: 11.256 min
Delta R.T.: 0.000 min
Response: 6661212345
Conc: 487.65 ng/ml



R.T.: 11.182 min
Delta R.T.: 0.000 min
Response: 8703372152
Conc: 440.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations
APPROVED

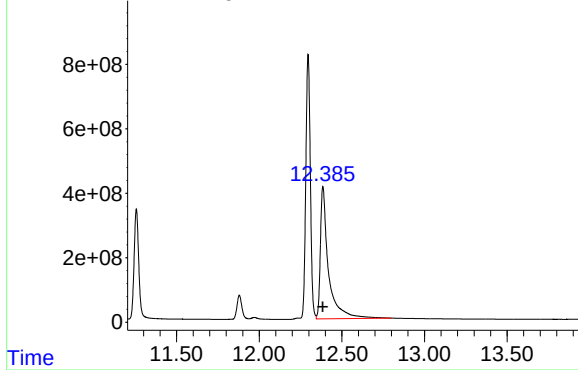
Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Time

Response_

Signal: PS032164.D\ECD2B.ch

#15 Picloram



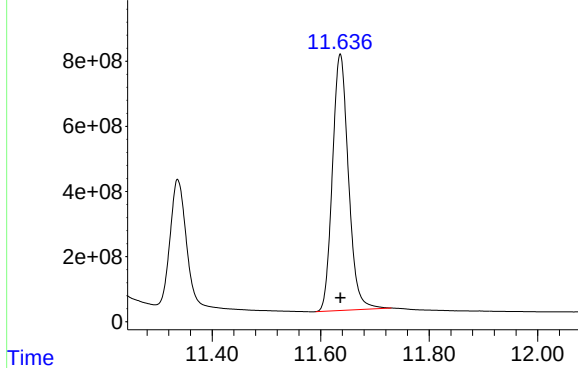
R.T.: 12.385 min
Delta R.T.: 0.000 min
Response: 14011149465
Conc: 469.62 ng/ml

Time

Response_

Signal: PS032164.D\ECD1A.ch

#16 DCPA



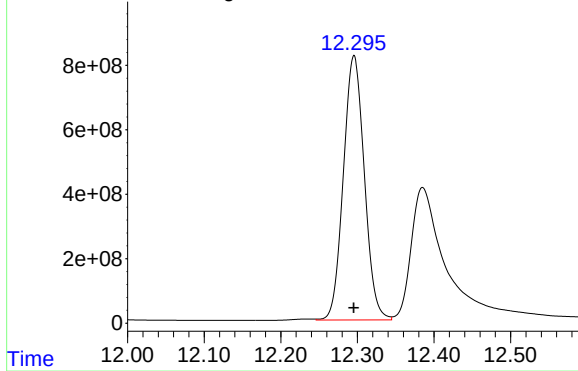
R.T.: 11.636 min
Delta R.T.: 0.000 min
Response: 16123487582
Conc: 520.08 ng/ml

Time

Response_

Signal: PS032164.D\ECD2B.ch

#16 DCPA



R.T.: 12.296 min
Delta R.T.: 0.000 min
Response: 15675194081
Conc: 514.83 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
 Data File : PS032165.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 12:32
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 27 13:59:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 27 13:59:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.275	7.738	3221.3E6	825.5E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.658	2.685	4826.9E6	2538.8E6	682.500	682.500
2) T	3,5-DICHL...	6.443	6.692	4369.6E6	1301.1E6	697.500	697.500
3) T	4-Nitroph...	7.098	7.297	784.2E6	1059.2E6	682.500	682.500
5) T	DICAMBA	7.457	7.932	12964.4E6	5747.5E6	705.000	705.000
6) T	MCPD	7.635	8.029	799.8E6	192.4E6	70.500	70.500
7) T	MCPA	7.783	8.276	938.2E6	256.6E6	69.750	69.750
8) T	DICHLORPROP	8.165	8.652	2951.4E6	1278.6E6	705.000	705.000
9) T	2,4-D	8.406	8.995	2867.7E6	1388.8E6	705.000	705.000
10) T	Pentachlo...	8.697	9.499	45659.2E6	36669.8E6	712.500	712.500
11) T	2,4,5-TP ...	9.272	9.884	17592.6E6	13492.8E6	712.500	712.500
12) T	2,4,5-T	9.571	10.314	15544.5E6	11706.4E6	712.500	712.500
13) T	2,4-DB	10.147	10.882	1697.8E6	946.4E6	712.500	712.500
14) T	DINOSEB	11.336	11.255	13440.1E6	9791.2E6	705.000	705.000
15) T	Picloram	11.175	12.379	13980.5E6	21617.4E6	712.500	712.500
16) T	DCPA	11.636	12.295	22960.0E6	22542.4E6	720.000	720.000

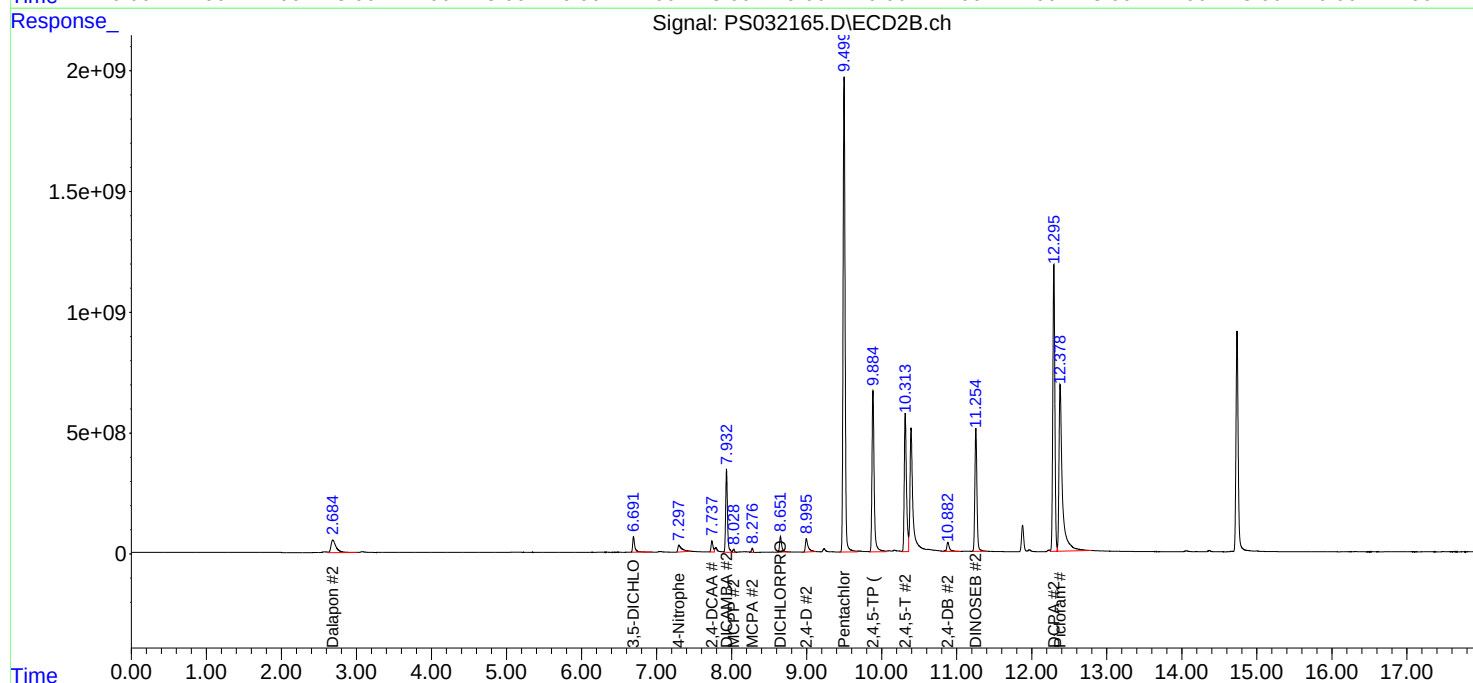
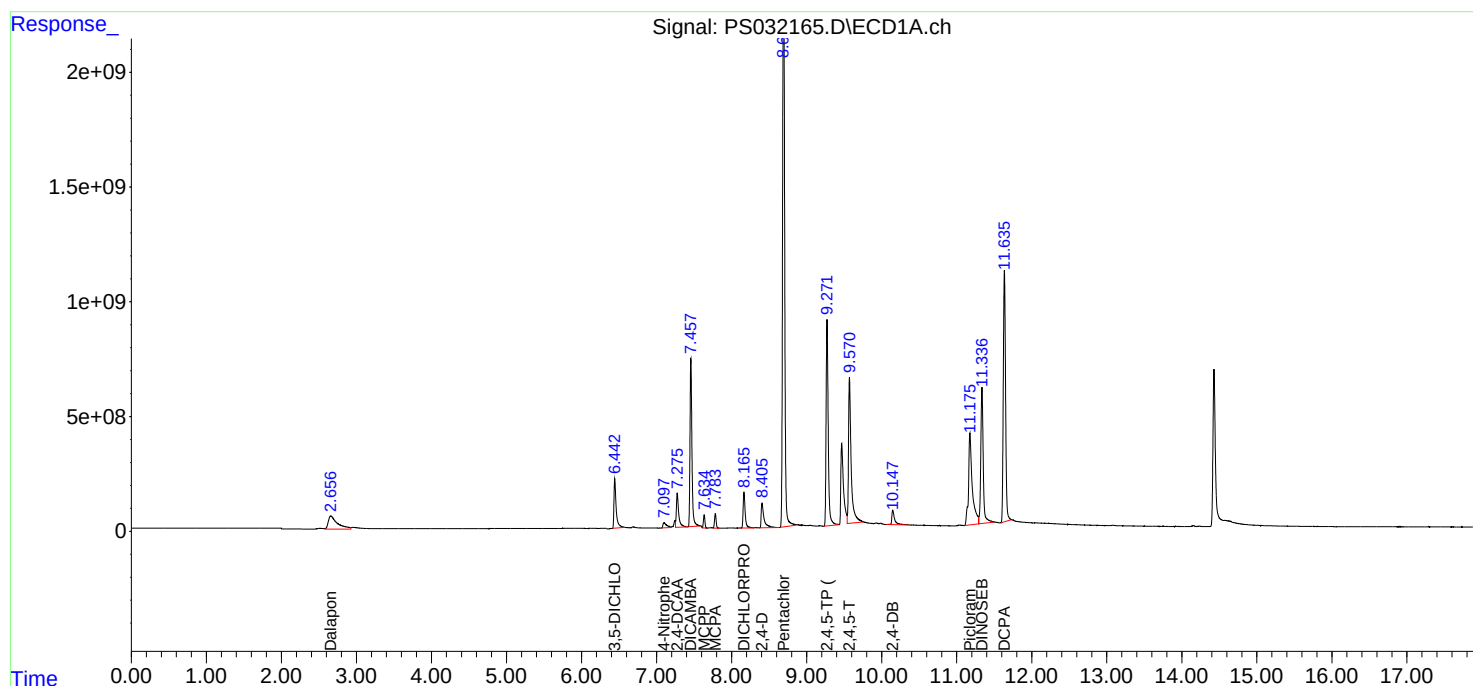
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

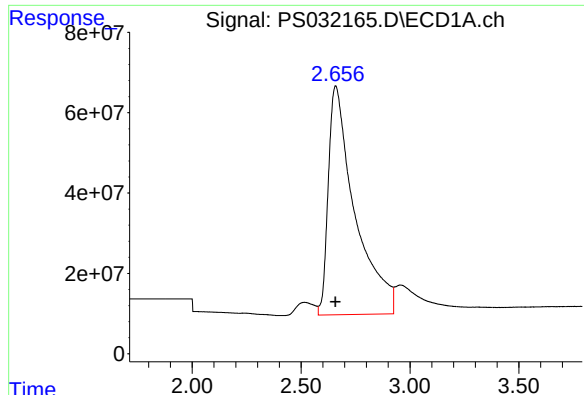
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032165.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 12:32
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 27 13:59:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Mon Oct 27 13:59:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

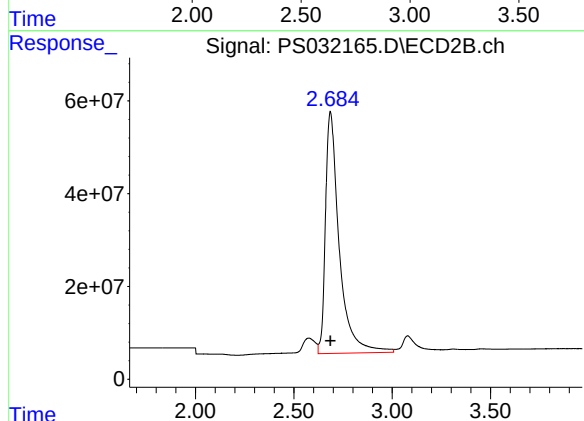




#1 Dalapon

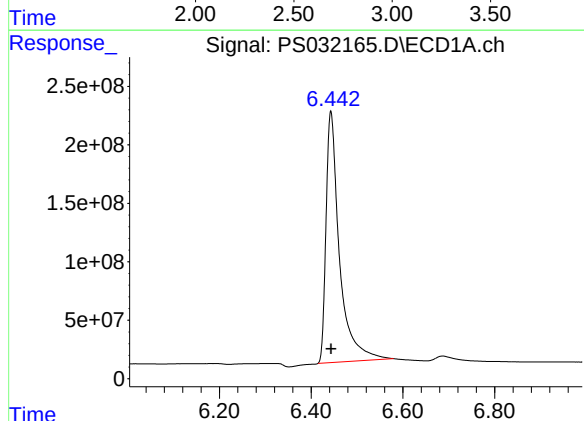
R.T.: 2.658 min
Delta R.T.: 0.000 min
Response: 4826869215
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



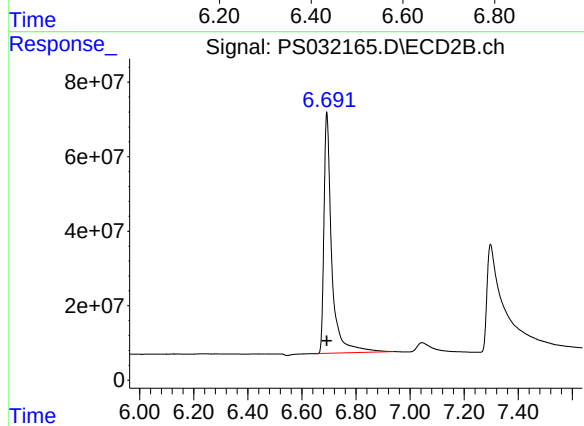
#1 Dalapon

R.T.: 2.685 min
Delta R.T.: 0.000 min
Response: 2538764910
Conc: 682.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.443 min
Delta R.T.: 0.000 min
Response: 4369598275
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

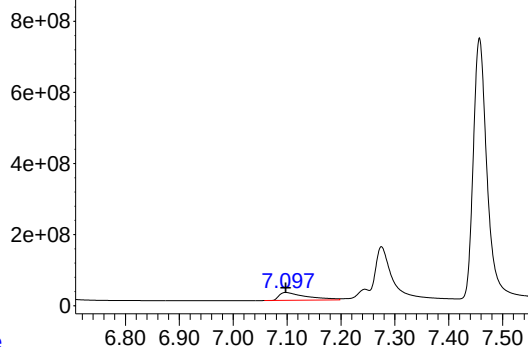
R.T.: 6.692 min
Delta R.T.: 0.000 min
Response: 1301066509
Conc: 697.50 ng/ml

Response_

Signal: PS032165.D\ECD1A.ch

#3 4-Nitrophenol

ICAL Form



R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 784221796
Conc: 682.50 ng/ml

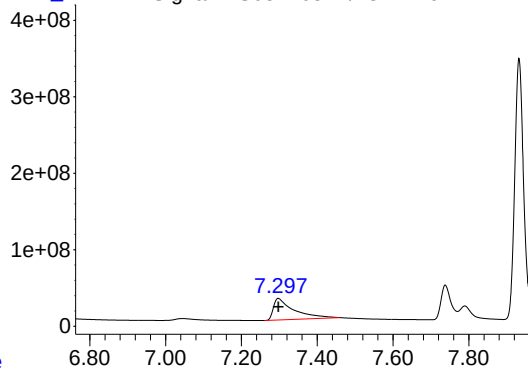
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Time

Response_

Signal: PS032165.D\ECD2B.ch

#3 4-Nitrophenol



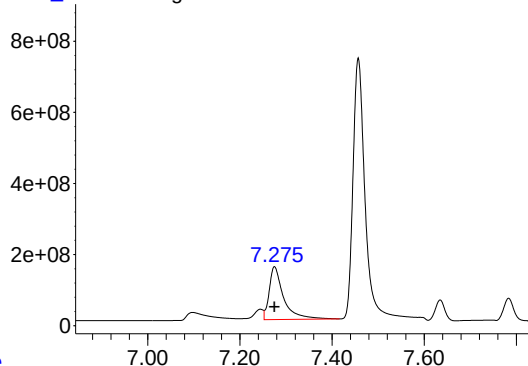
R.T.: 7.297 min
Delta R.T.: 0.000 min
Response: 1059243079
Conc: 682.50 ng/ml

Time

Response_

Signal: PS032165.D\ECD1A.ch

#4 2,4-DCAA



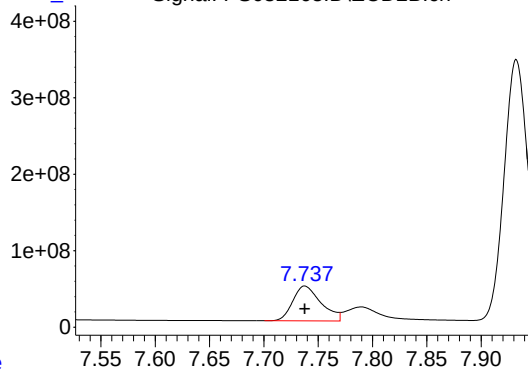
R.T.: 7.275 min
Delta R.T.: 0.000 min
Response: 3221294027
Conc: 750.00 ng/ml

Time

Response_

Signal: PS032165.D\ECD2B.ch

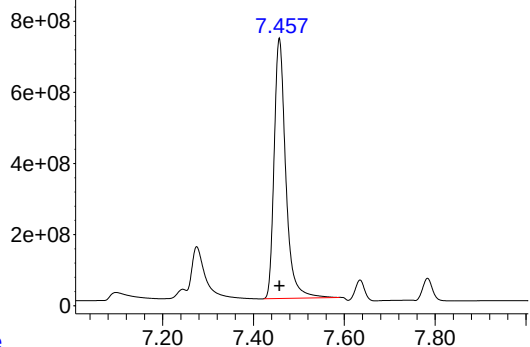
#4 2,4-DCAA



R.T.: 7.738 min
Delta R.T.: 0.000 min
Response: 825477202
Conc: 750.00 ng/ml

Time

Response_ Signal: PS032165.D\ECD1A.ch

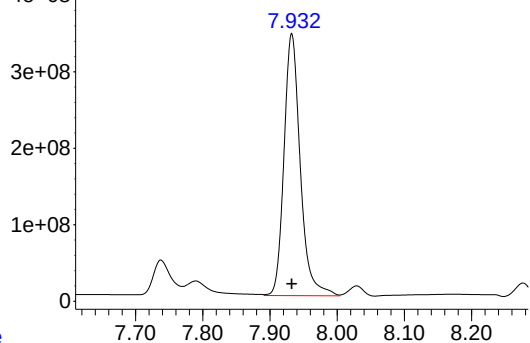


#5 DICAMBA

R.T.: 7.457 min
Delta R.T.: 0.000 min
Response: 12964423592
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

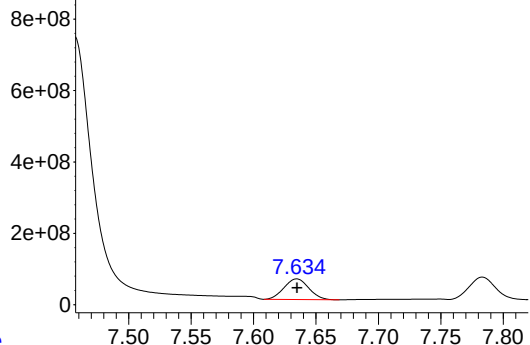
Time Response_ Signal: PS032165.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 5747541256
Conc: 705.00 ng/ml

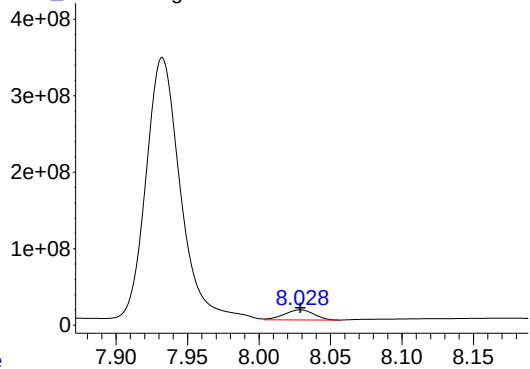
Time Response_ Signal: PS032165.D\ECD1A.ch



#6 MCPP

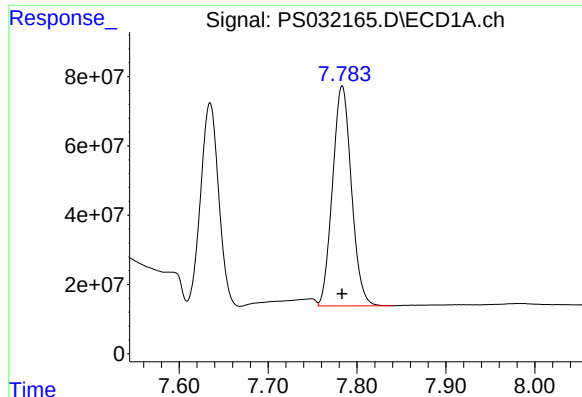
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 799837021
Conc: 70.50 ug/ml

Time Response_ Signal: PS032165.D\ECD2B.ch



#6 MCPP

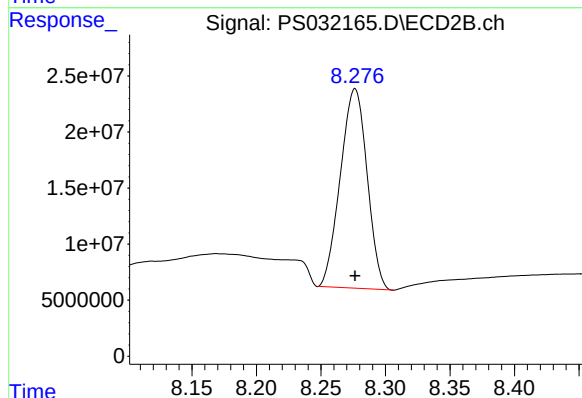
R.T.: 8.029 min
Delta R.T.: 0.000 min
Response: 192418127
Conc: 70.50 ug/ml



#7 MCPA

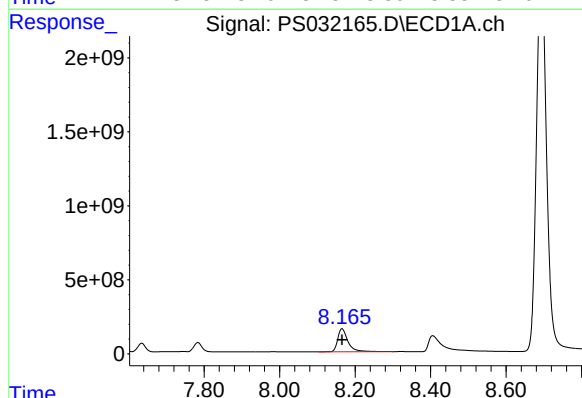
R.T.: 7.783 min
Delta R.T.: 0.000 min
Response: 938200625
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



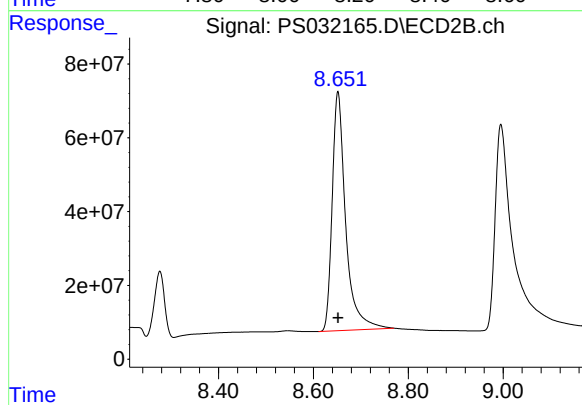
#7 MCPA

R.T.: 8.276 min
Delta R.T.: 0.000 min
Response: 256559474
Conc: 69.75 ug/ml



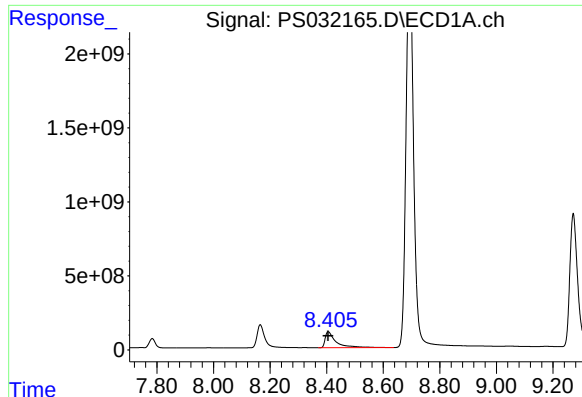
#8 DICHLORPROP

R.T.: 8.165 min
Delta R.T.: 0.000 min
Response: 2951364121
Conc: 705.00 ng/ml



#8 DICHLORPROP

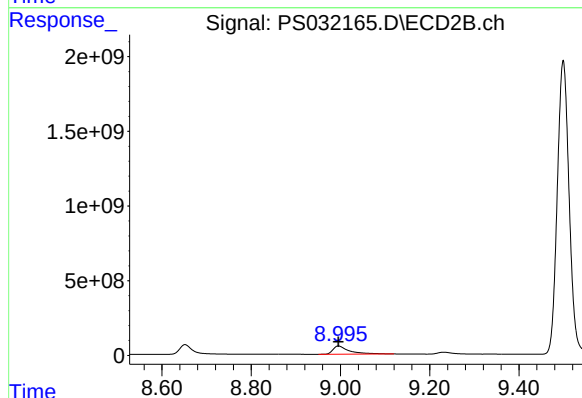
R.T.: 8.652 min
Delta R.T.: 0.000 min
Response: 1278608145
Conc: 705.00 ng/ml



#9 2,4-D

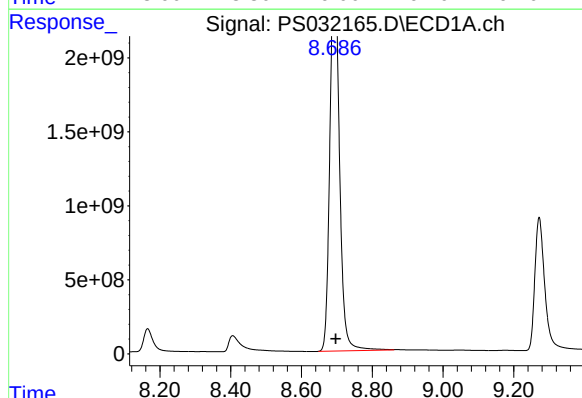
R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 2867735722
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



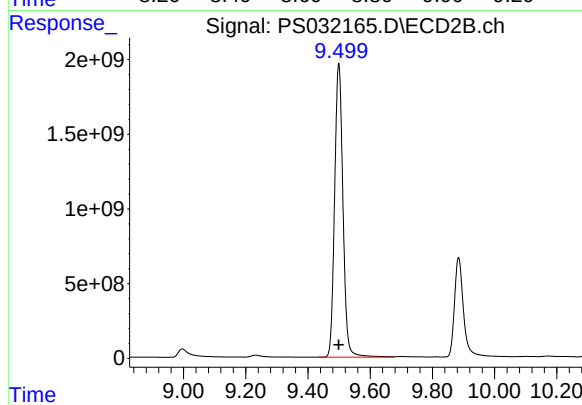
#9 2,4-D

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 1388828481
Conc: 705.00 ng/ml



#10 Pentachlorophenol

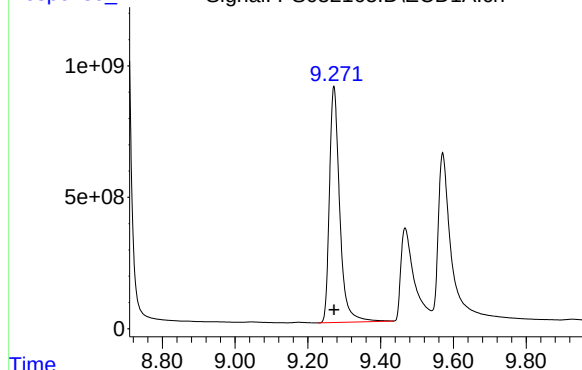
R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 45659211067
Conc: 712.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.499 min
Delta R.T.: 0.000 min
Response: 36669791508
Conc: 712.50 ng/ml

Response_ Signal: PS032165.D\ECD1A.ch

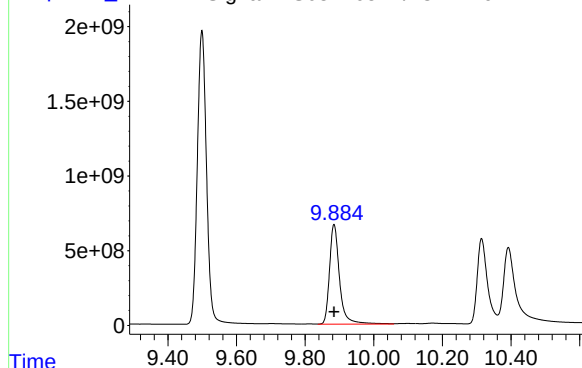


#11 2,4,5-TP (SILVEX)

R.T.: 9.272 min
Delta R.T.: 0.000 min
Response: 17592641082
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

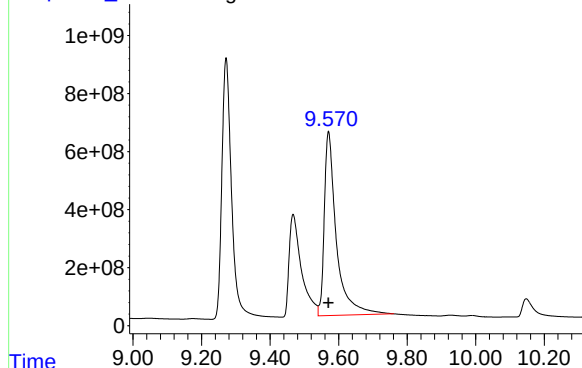
Time Response_ Signal: PS032165.D\ECD2B.ch



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

R.T.: 9.884 min
Delta R.T.: 0.000 min
Response: 13492780134
Conc: 712.50 ng/ml

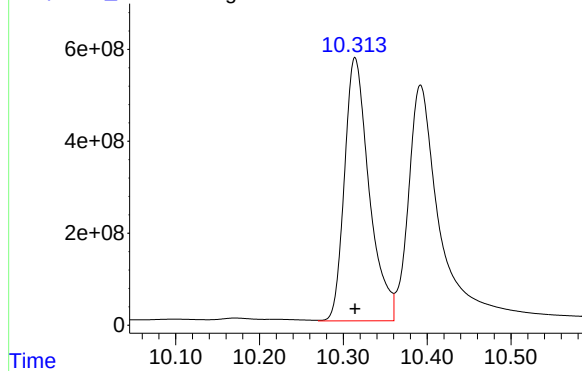
Time Response_ Signal: PS032165.D\ECD1A.ch



#12 2,4,5-T

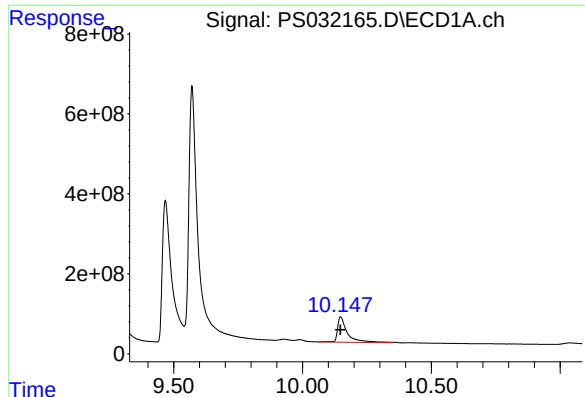
R.T.: 9.571 min
Delta R.T.: 0.000 min
Response: 15544497730
Conc: 712.50 ng/ml

Time Response_ Signal: PS032165.D\ECD2B.ch



#12 2,4,5-T

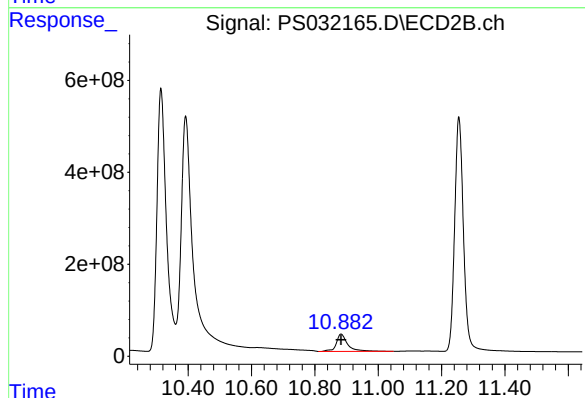
R.T.: 10.314 min
Delta R.T.: 0.000 min
Response: 11706353593
Conc: 712.50 ng/ml



#13 2,4-DB

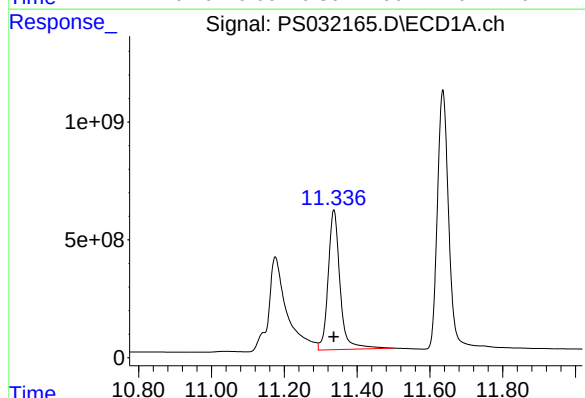
R.T.: 10.147 min
Delta R.T.: 0.000 min
Response: 1697800664
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



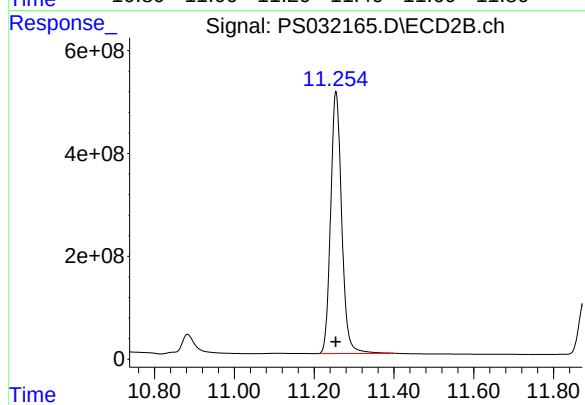
#13 2,4-DB

R.T.: 10.882 min
Delta R.T.: 0.000 min
Response: 946373828
Conc: 712.50 ng/ml



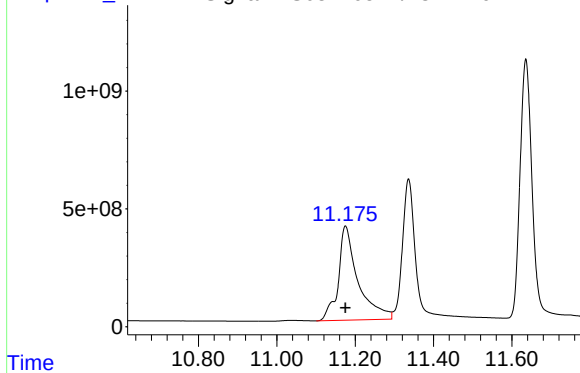
#14 DINOSEB

R.T.: 11.336 min
Delta R.T.: 0.000 min
Response: 13440063873
Conc: 705.00 ng/ml



#14 DINOSEB

R.T.: 11.255 min
Delta R.T.: 0.000 min
Response: 9791208625
Conc: 705.00 ng/ml



R.T.: 11.175 min
Delta R.T.: 0.000 min
Response: 13980518313
Conc: 712.50 ng/ml

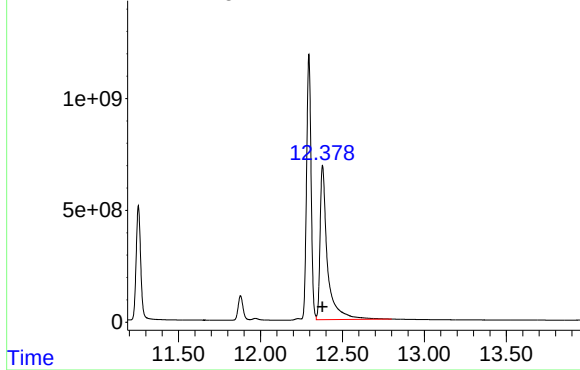
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Time

Response_

Signal: PS032165.D\ECD2B.ch

#15 Picloram



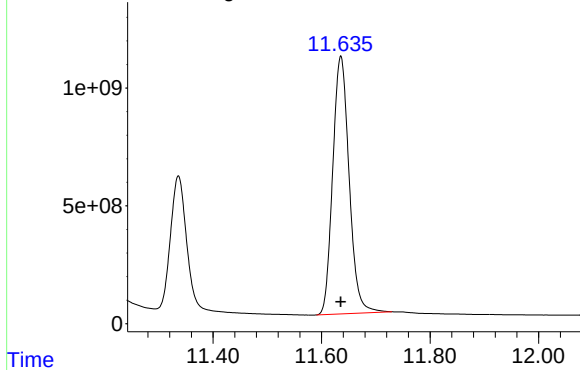
R.T.: 12.379 min
Delta R.T.: 0.000 min
Response: 21617376832
Conc: 712.50 ng/ml

Time

Response_

Signal: PS032165.D\ECD1A.ch

#16 DCPA



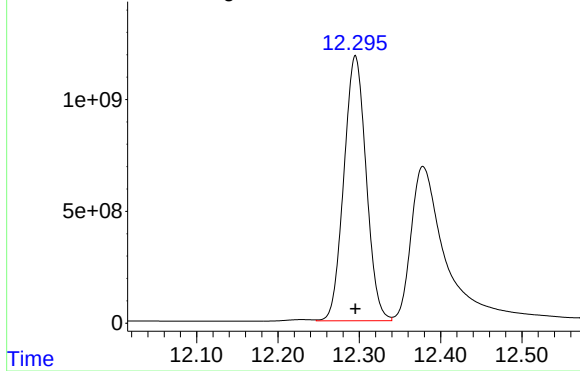
R.T.: 11.636 min
Delta R.T.: 0.000 min
Response: 22960035985
Conc: 720.00 ng/ml

Time

Response_

Signal: PS032165.D\ECD2B.ch

#16 DCPA



R.T.: 12.295 min
Delta R.T.: 0.000 min
Response: 22542400802
Conc: 720.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
 Data File : PS032166.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 12:57
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 27 14:04:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 27 13:59:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.274	7.737	4114.8E6	1098.2E6	1004.273	1007.393
Target Compounds							
1) T	Dalapon	2.660	2.684	6302.7E6	3299.6E6	912.600	911.305
2) T	3,5-DICHL...	6.443	6.690	5598.4E6	1671.9E6	935.500	928.907
3) T	4-Nitroph...	7.091	7.289	1086.3E6	1500.4E6	903.256	895.407
5) T	DICAMBA	7.457	7.932	16672.9E6	7507.1E6	942.558	943.872
6) T	MCPD	7.636	8.031	1103.8E6	258.9E6	94.061	93.866
7) T	MCPA	7.786	8.279	1300.2E6	345.6E6	93.879	93.006
8) T	DICHLORPROP	8.165	8.650	3792.3E6	1656.9E6	944.411	946.018
9) T	2,4-D	8.403	8.992	3711.0E6	1833.7E6	945.013	948.796
10) T	Pentachlo...	8.701	9.500	51663.5E6	44973.5E6	967.939	990.234
11) T	2,4,5-TP ...	9.271	9.883	22684.6E6	17401.7E6	958.799	960.105
12) T	2,4,5-T	9.569	10.312	19749.7E6	15501.4E6	972.696	963.353
13) T	2,4-DB	10.144	10.880	2267.0E6	1306.3E6	957.416	996.286
14) T	DINOSEB	11.336	11.254	17178.0E6	12773.9E6	945.491	947.005
15) T	Picloram	11.169	12.375	19522.6E6	28707.4E6	966.282	958.593
16) T	DCPA	11.635	12.295	29231.4E6	28806.1E6	969.878	969.547

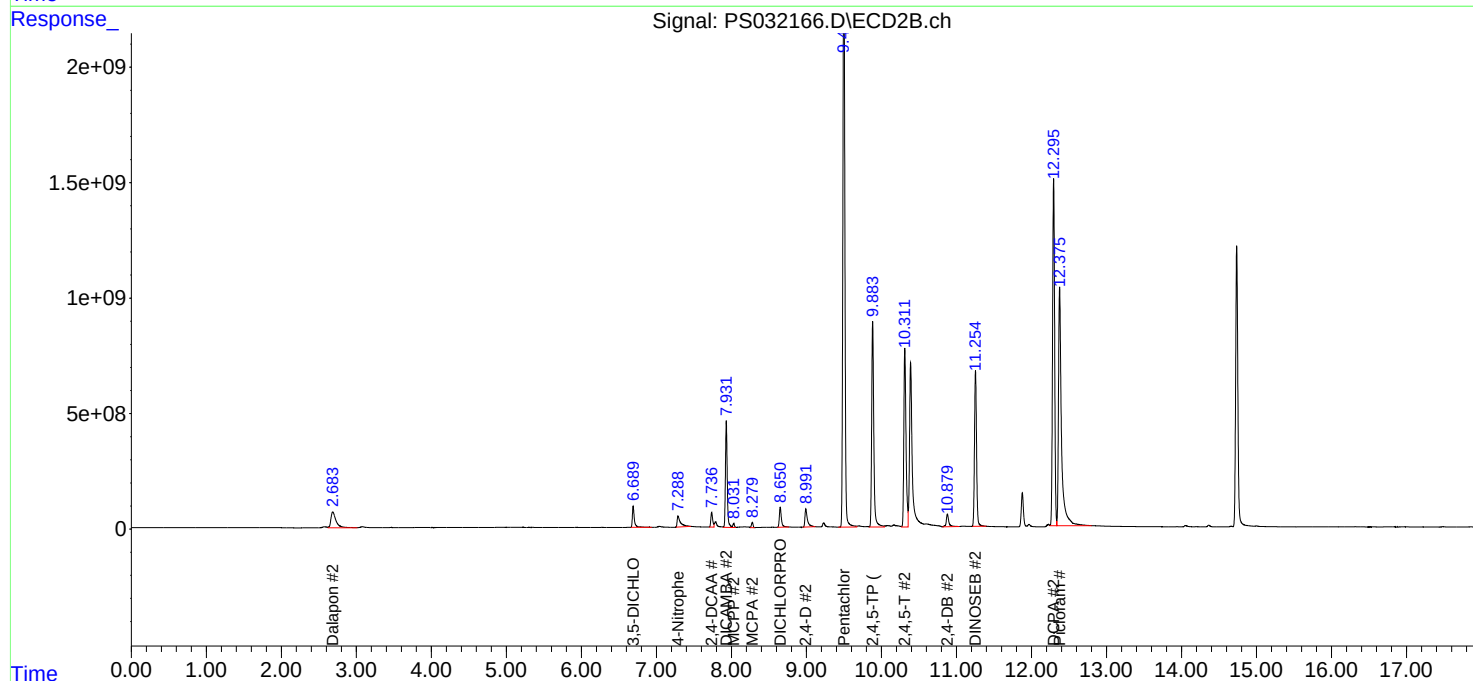
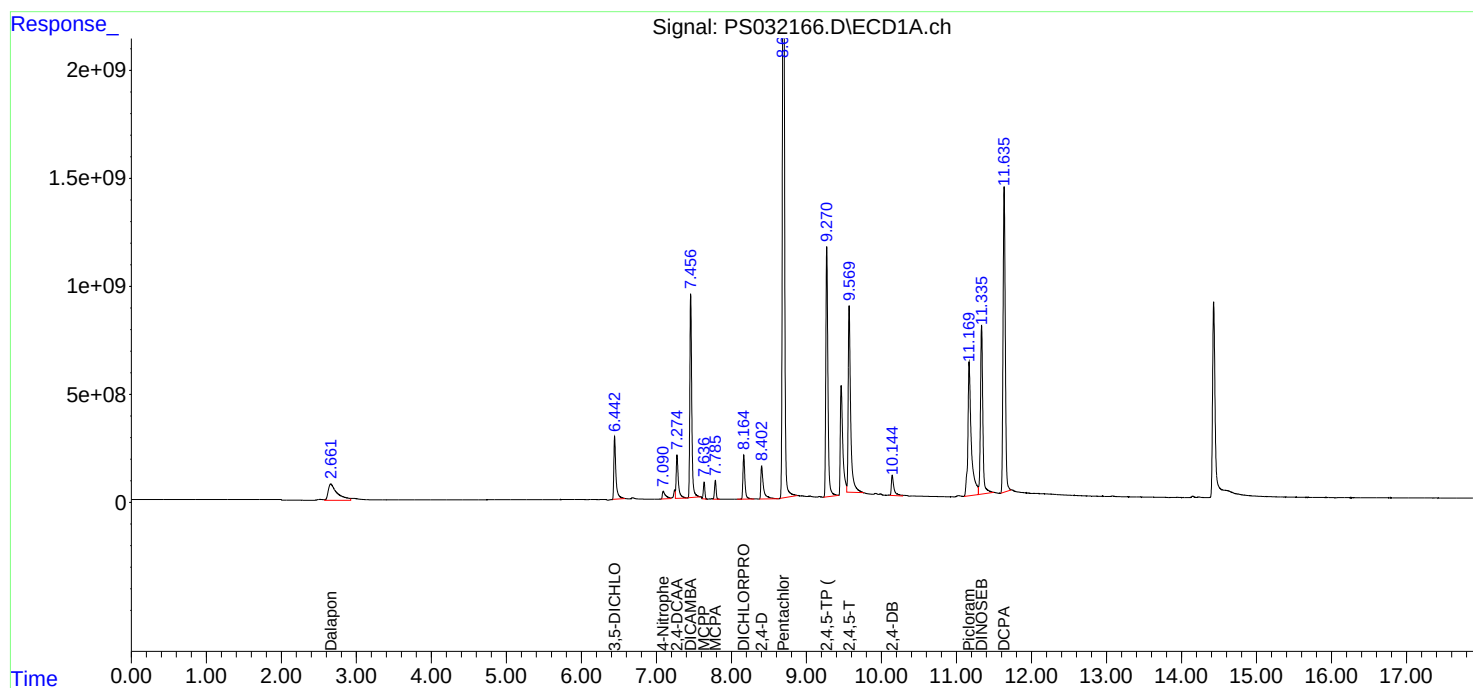
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

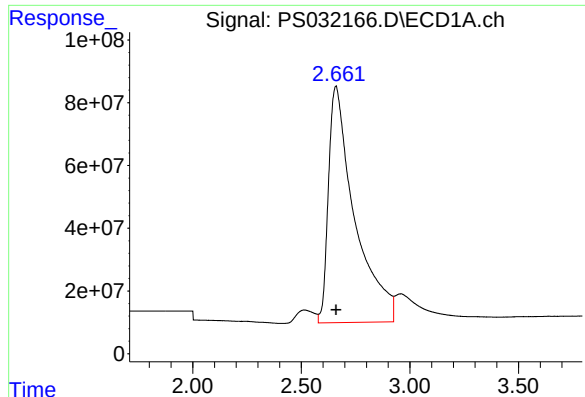
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032166.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 12:57
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 27 14:04:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Mon Oct 27 13:59:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

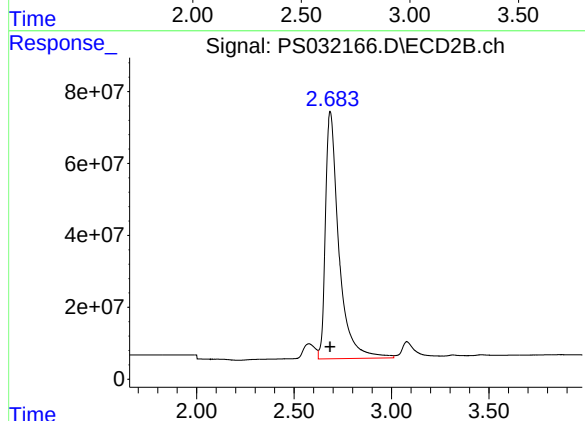




#1 Dalapon

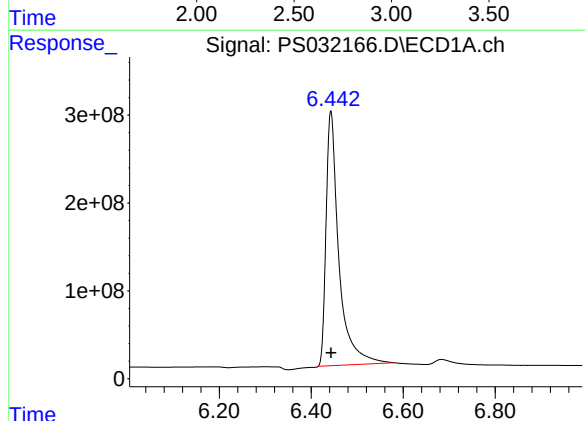
R.T.: 2.660 min
Delta R.T.: 0.000 min
Response: 6302714501
Conc: 912.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



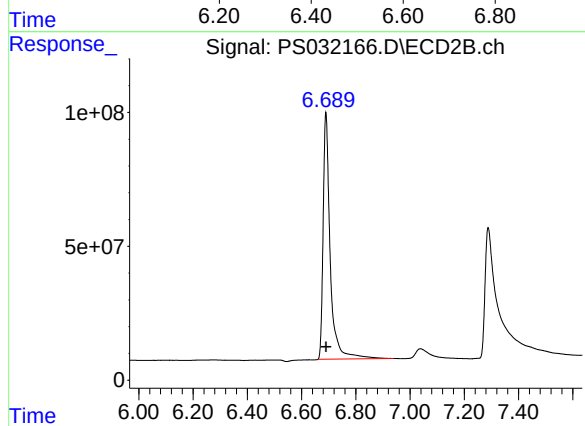
#1 Dalapon

R.T.: 2.684 min
Delta R.T.: 0.000 min
Response: 3299616667
Conc: 911.30 ng/ml



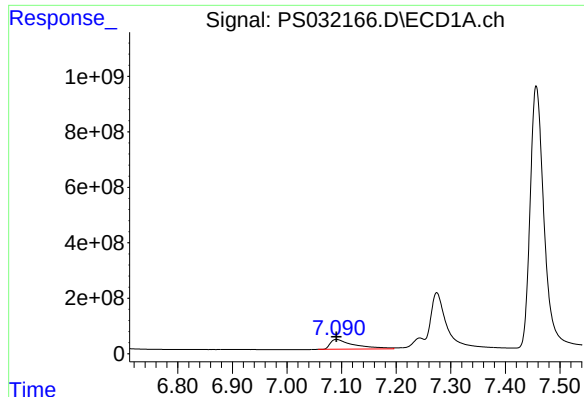
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.443 min
Delta R.T.: 0.000 min
Response: 5598387360
Conc: 935.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

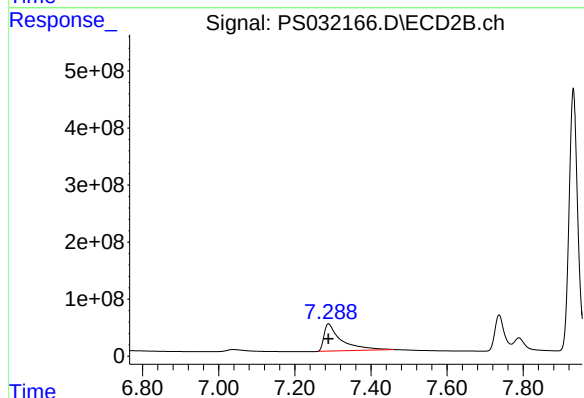
R.T.: 6.690 min
Delta R.T.: 0.000 min
Response: 1671917317
Conc: 928.91 ng/ml



#3 4-Nitrophenol

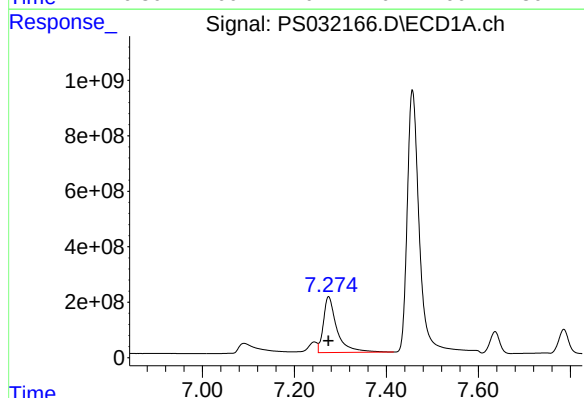
R.T.: 7.091 min
Delta R.T.: 0.000 min
Response: 1086315596
Conc: 903.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



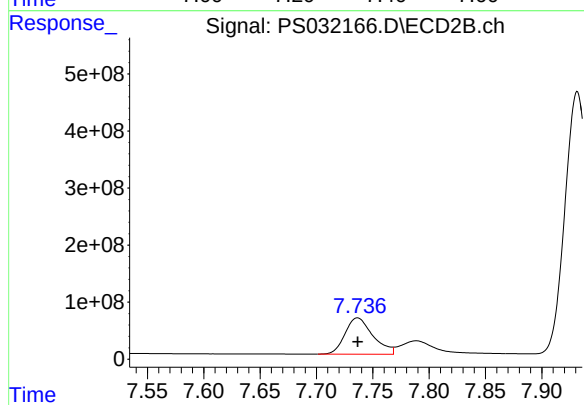
#3 4-Nitrophenol

R.T.: 7.289 min
Delta R.T.: 0.000 min
Response: 1500443671
Conc: 895.41 ng/ml



#4 2,4-DCAA

R.T.: 7.274 min
Delta R.T.: 0.000 min
Response: 4114804351
Conc: 1004.27 ng/ml



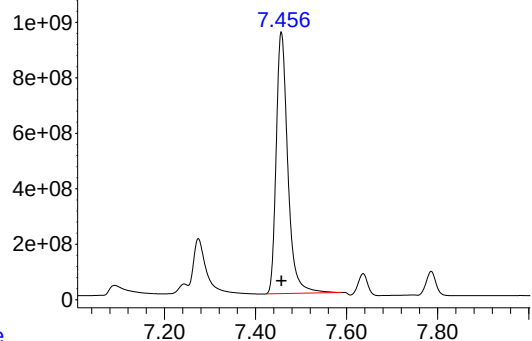
#4 2,4-DCAA

R.T.: 7.737 min
Delta R.T.: 0.000 min
Response: 1098211501
Conc: 1007.39 ng/ml

Response_

Signal: PS032166.D\ECD1A.ch

#5 DICAMBA



R.T.: 7.457 min
Delta R.T.: 0.000 min
Response: 16672884371
Conc: 942.56 ng/ml

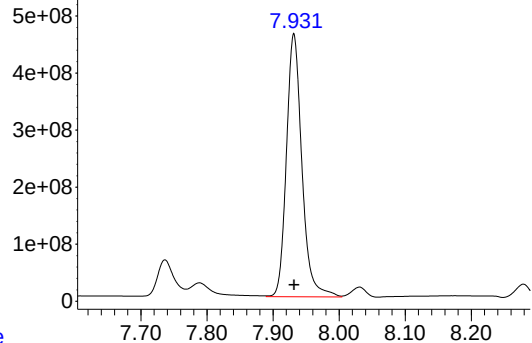
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Time

Response_

Signal: PS032166.D\ECD2B.ch

#5 DICAMBA



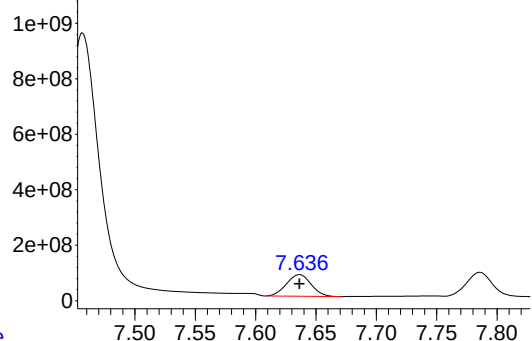
R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 7507087277
Conc: 943.87 ng/ml

Time

Response_

Signal: PS032166.D\ECD1A.ch

#6 MCP



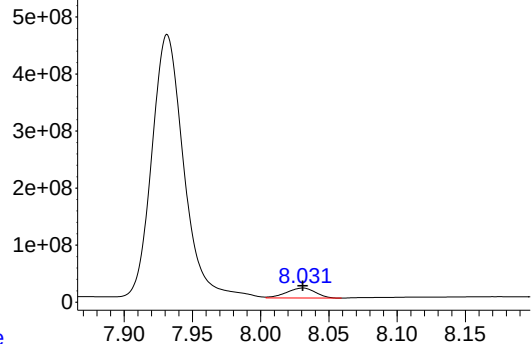
R.T.: 7.636 min
Delta R.T.: 0.000 min
Response: 1103805016
Conc: 94.06 ug/ml

Time

Response_

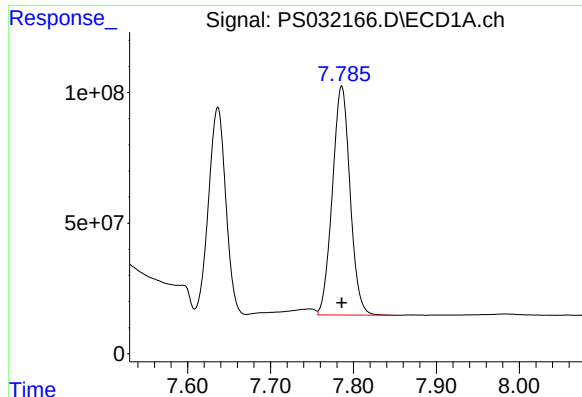
Signal: PS032166.D\ECD2B.ch

#6 MCP



R.T.: 8.031 min
Delta R.T.: 0.000 min
Response: 258908820
Conc: 93.87 ug/ml

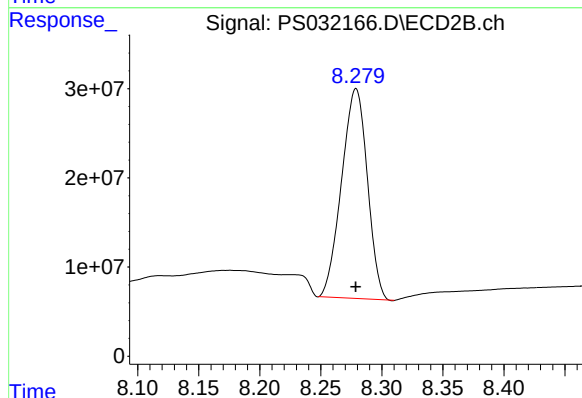
Time



#7 MCPA

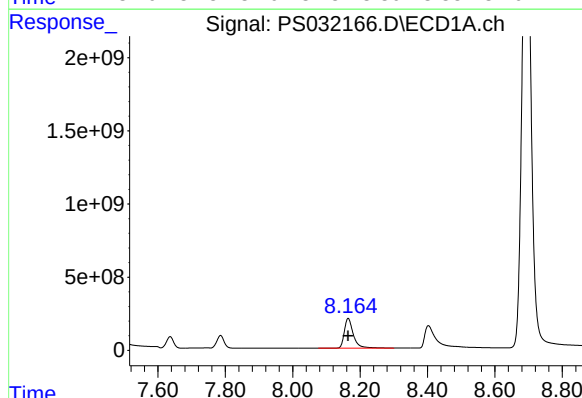
R.T.: 7.786 min
Delta R.T.: 0.000 min
Response: 1300214352
Conc: 93.88 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



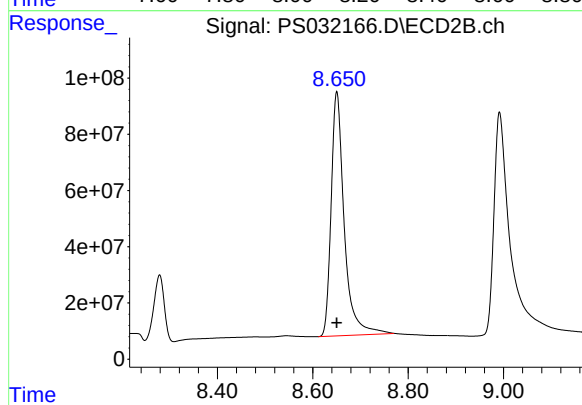
#7 MCPA

R.T.: 8.279 min
Delta R.T.: 0.000 min
Response: 345589197
Conc: 93.01 ug/ml



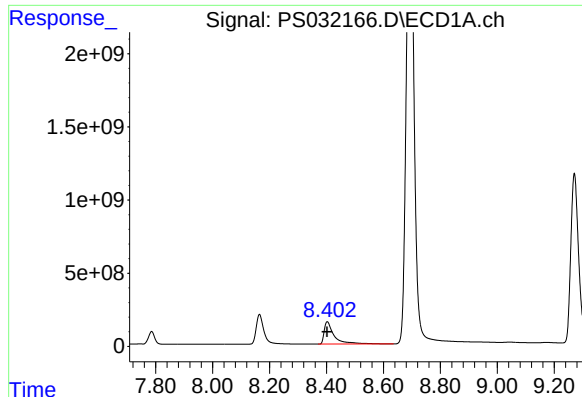
#8 DICHLORPROP

R.T.: 8.165 min
Delta R.T.: 0.000 min
Response: 3792299896
Conc: 944.41 ng/ml



#8 DICHLORPROP

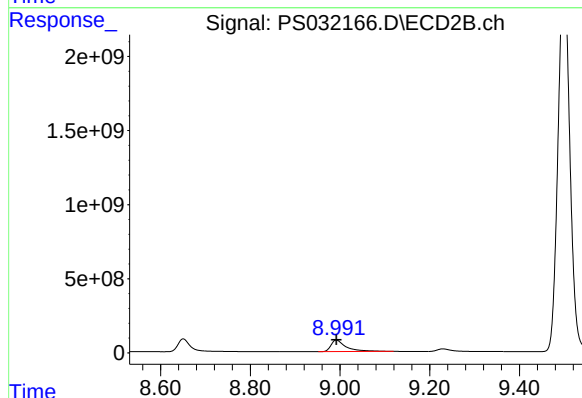
R.T.: 8.650 min
Delta R.T.: 0.000 min
Response: 1656896871
Conc: 946.02 ng/ml



#9 2,4-D

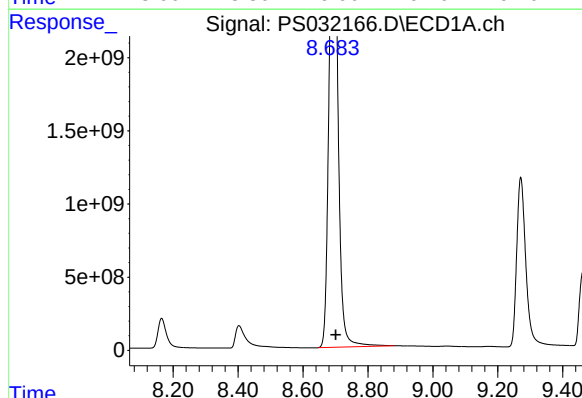
R.T.: 8.403 min
Delta R.T.: 0.000 min
Response: 3711028522
Conc: 945.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



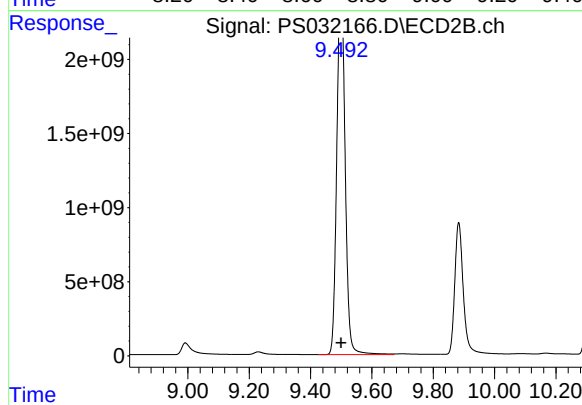
#9 2,4-D

R.T.: 8.992 min
Delta R.T.: 0.000 min
Response: 1833663736
Conc: 948.80 ng/ml



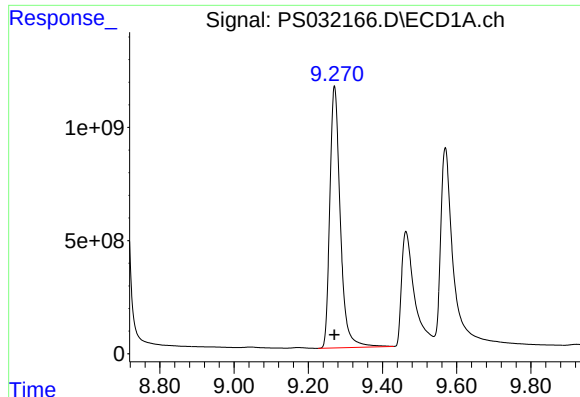
#10 Pentachlorophenol

R.T.: 8.701 min
Delta R.T.: 0.000 min
Response: 51663521602
Conc: 967.94 ng/ml



#10 Pentachlorophenol

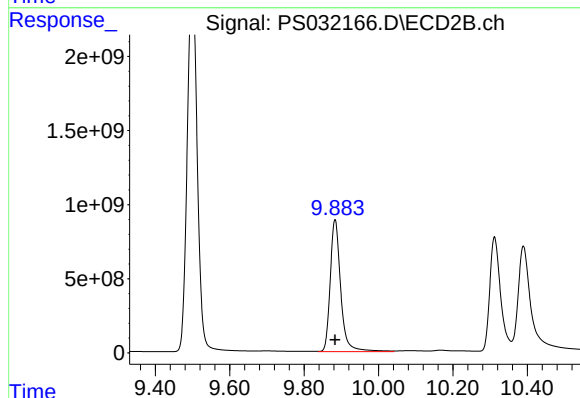
R.T.: 9.500 min
Delta R.T.: 0.000 min
Response: 44973526162
Conc: 990.23 ng/ml



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

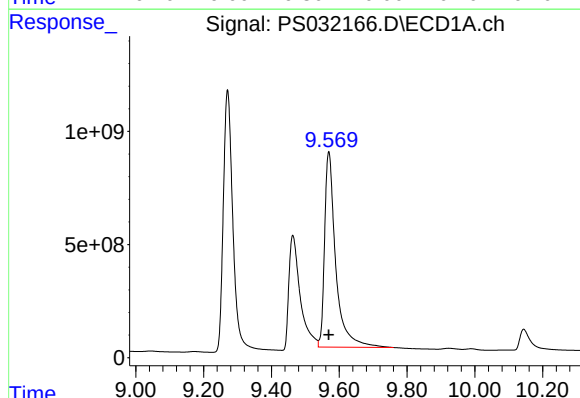
R.T.: 9.271 min
Delta R.T.: 0.000 min
Response: 22684625501
Conc: 958.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



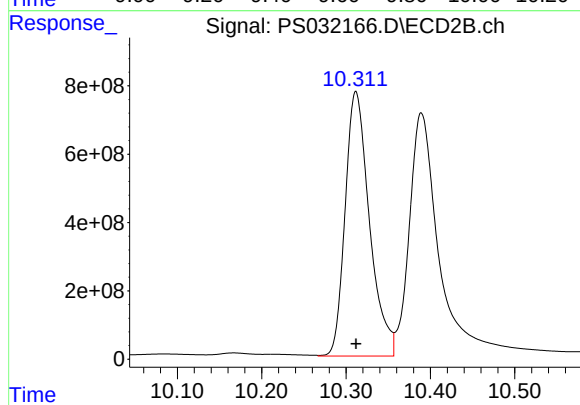
#11 2,4,5-TP (SILVEX)

R.T.: 9.883 min
Delta R.T.: 0.000 min
Response: 17401711196
Conc: 960.11 ng/ml



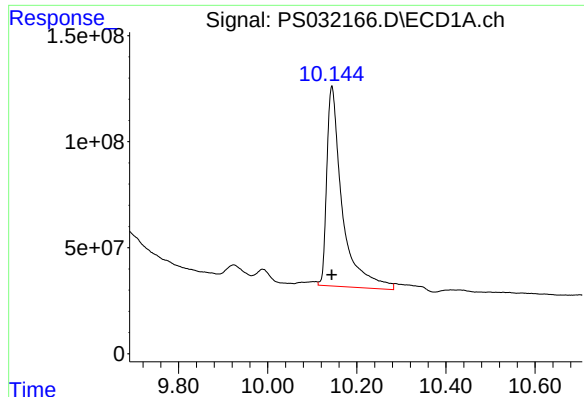
#12 2,4,5-T

R.T.: 9.569 min
Delta R.T.: 0.000 min
Response: 19749741511
Conc: 972.70 ng/ml



#12 2,4,5-T

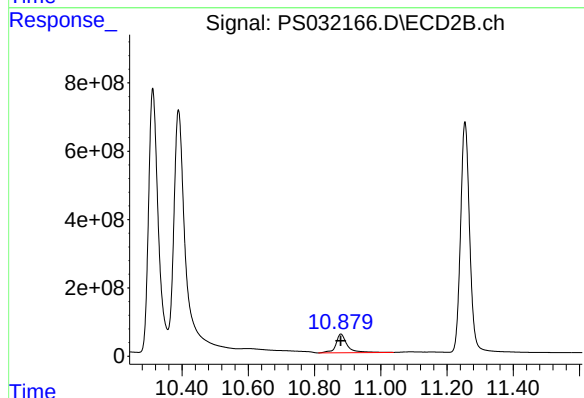
R.T.: 10.312 min
Delta R.T.: 0.000 min
Response: 15501434817
Conc: 963.35 ng/ml



#13 2,4-DB

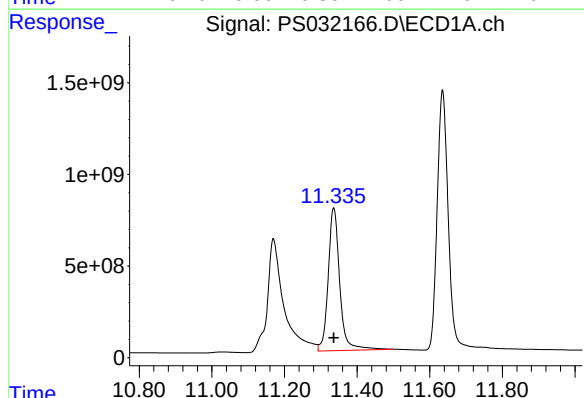
R.T.: 10.144 min
Delta R.T.: 0.000 min
Response: 2267020168
Conc: 957.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



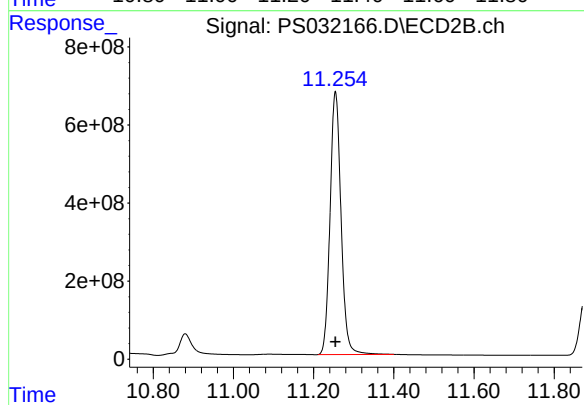
#13 2,4-DB

R.T.: 10.880 min
Delta R.T.: 0.000 min
Response: 1306301717
Conc: 996.29 ng/ml



#14 DINOSEB

R.T.: 11.336 min
Delta R.T.: 0.000 min
Response: 17178038375
Conc: 945.49 ng/ml



#14 DINOSEB

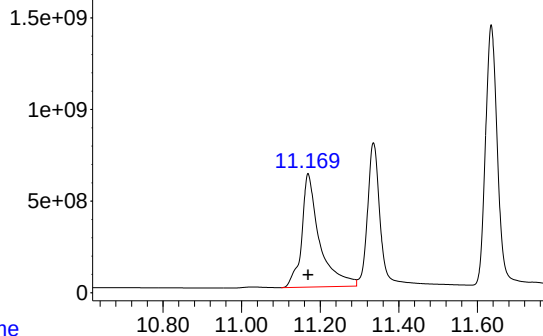
R.T.: 11.254 min
Delta R.T.: 0.000 min
Response: 12773908208
Conc: 947.00 ng/ml

Response_

Signal: PS032166.D\ECD1A.ch

#15 Picloram

ICAL Form



R.T.: 11.169 min
Delta R.T.: 0.000 min
Response: 19522643287
Conc: 966.28 ng/ml

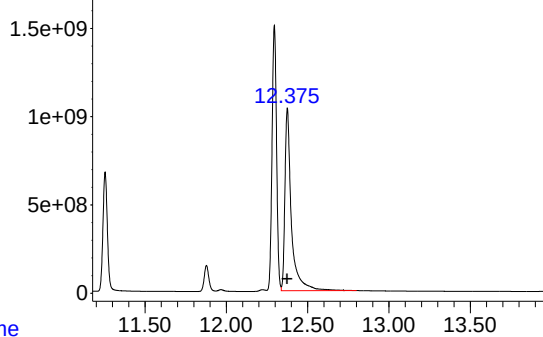
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Time

Response_

Signal: PS032166.D\ECD2B.ch

#15 Picloram



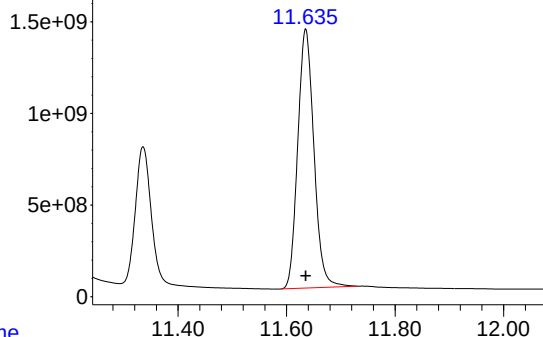
R.T.: 12.375 min
Delta R.T.: 0.000 min
Response: 28707435084
Conc: 958.59 ng/ml

Time

Response_

Signal: PS032166.D\ECD1A.ch

#16 DCPA



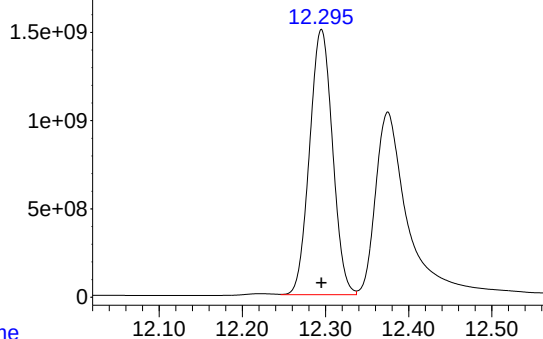
R.T.: 11.635 min
Delta R.T.: 0.000 min
Response: 29231350370
Conc: 969.88 ng/ml

Time

Response_

Signal: PS032166.D\ECD2B.ch

#16 DCPA



R.T.: 12.295 min
Delta R.T.: 0.000 min
Response: 28806122782
Conc: 969.55 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
 Data File : PS032167.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 13:21
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 27 14:01:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 27 13:59:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.273	7.735	5823.0E6	1607.4E6	1448.775m	1479.955
Target Compounds							
1) T	Dalapon	2.658	2.687	9173.6E6	4800.1E6	1330.190	1326.656
2) T	3,5-DICHL...	6.442	6.689	7907.8E6	2422.5E6	1325.334	1345.120
3) T	4-Nitroph...	7.086	7.282	1727.0E6	2492.9E6	1430.677	1616.458m
5) T	DICAMBA	7.457	7.932	23886.2E6	10887.6E6	1352.183	1371.731
6) T	MCPD	7.640	8.034	1708.5E6	393.6E6	145.640	142.579
7) T	MCPA	7.789	8.284	1969.5E6	523.6E6	142.037m	140.904
8) T	DICHLORPROP	8.164	8.650	5394.5E6	2366.0E6	1346.564	1355.249
9) T	2,4-D	8.400	8.990	5309.0E6	2646.8E6	1355.558	1375.997
10) T	Pentachlo...	8.702	9.504	59363.3E6	53358.1E6	1122.800	1200.263
11) T	2,4,5-TP ...	9.271	9.883	31931.7E6	24395.4E6	1355.922	1353.164
12) T	2,4,5-T	9.567	10.311	26086.5E6	22124.7E6	1300.322	1384.695
13) T	2,4-DB	10.143	10.878	3326.4E6	1753.1E6	1410.339	1370.401
14) T	DINOSEB	11.336	11.255	24205.1E6	18314.1E6	1336.166	1362.812
15) T	Picloram	11.166	12.372	29126.6E6	41729.6E6	1454.094	1399.755
16) T	DCPA	11.635	12.295	40434.3E6	40057.2E6	1348.522	1354.968

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032167.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 13:21
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1500

Manual Integrations

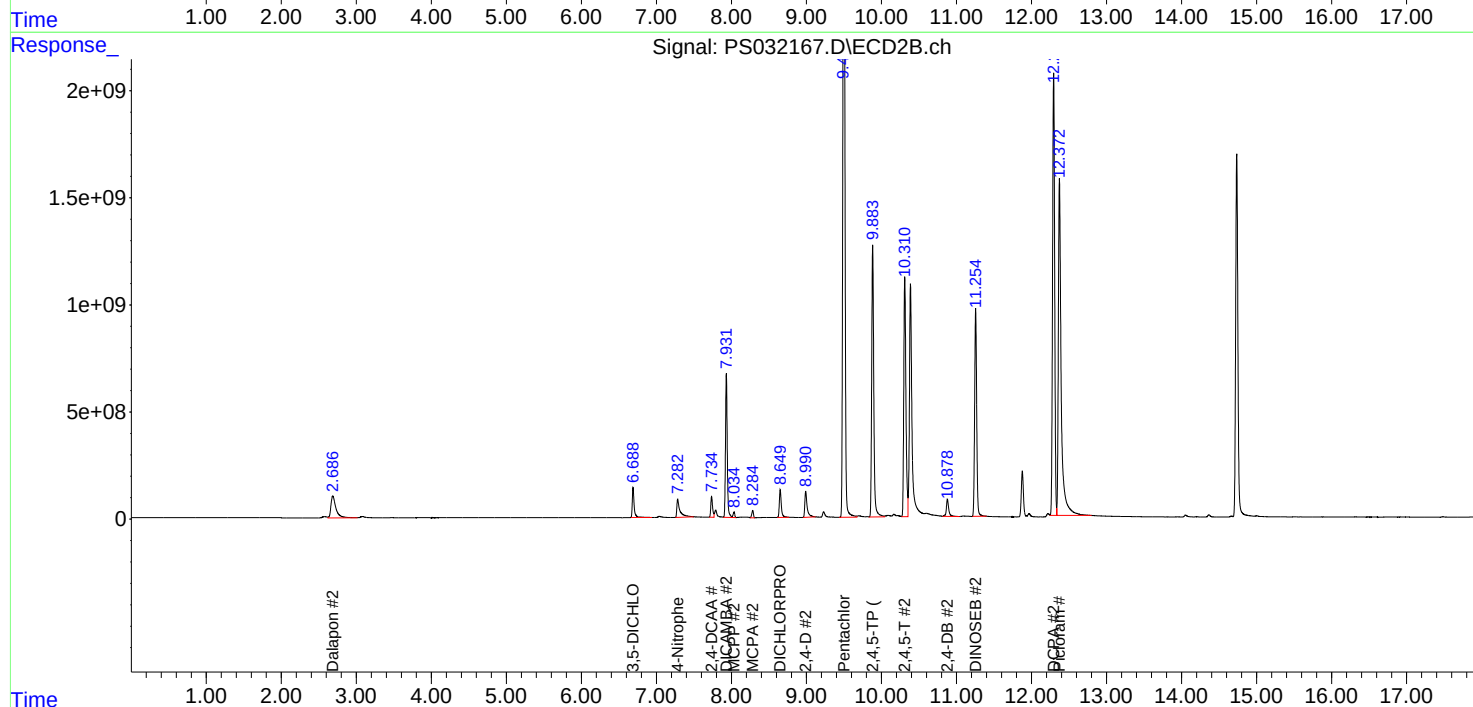
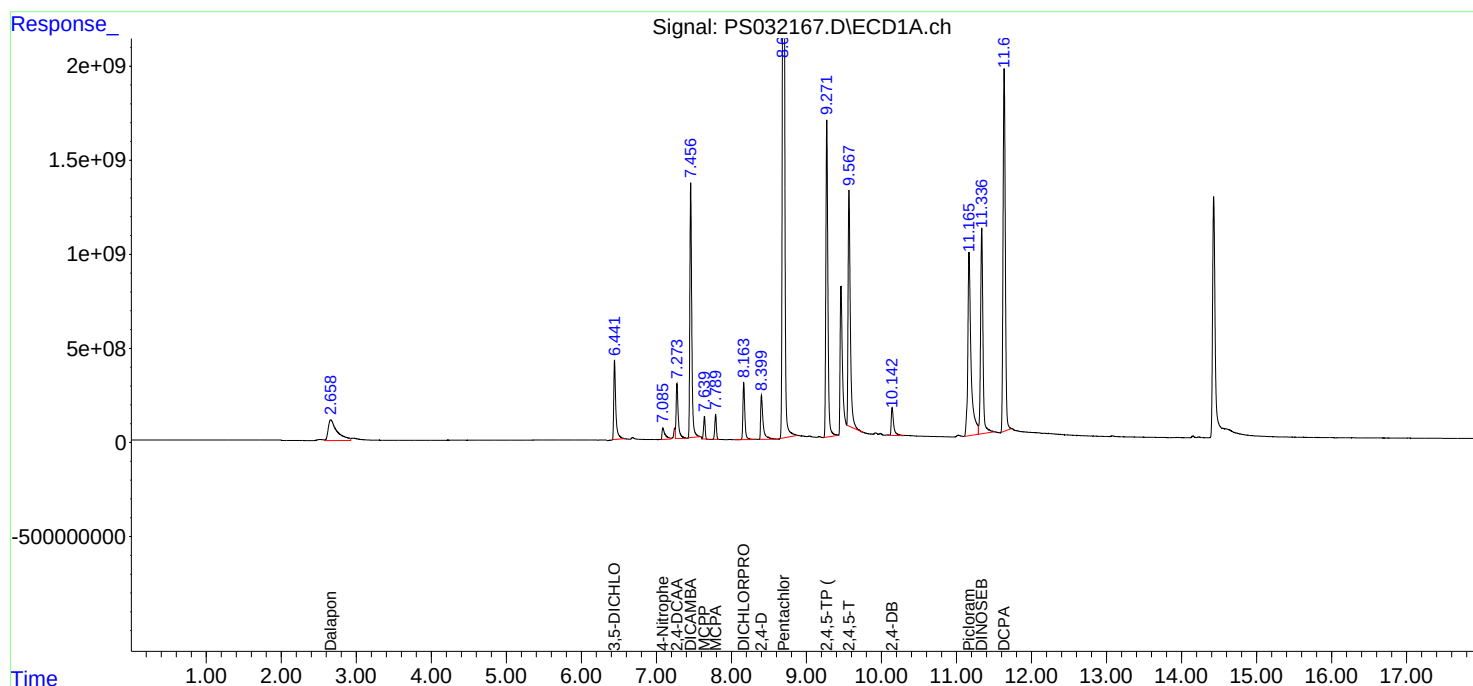
APPROVED

Reviewed By :Abdul Mirza 10/28/2025

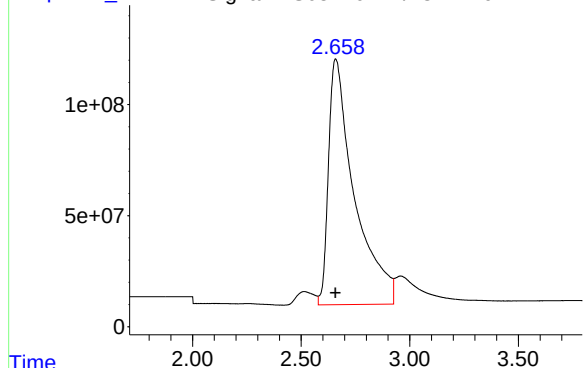
Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 27 14:01:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Mon Oct 27 13:59:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PS032167.D\ECD1A.ch



#1 Dalapon

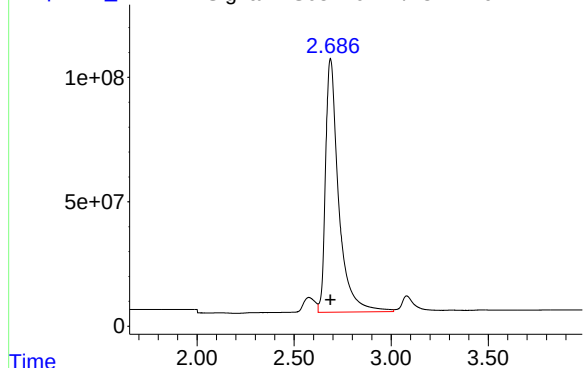
R.T.: 2.658 min
Delta R.T.: 0.000 min
Response: 9173608428
Conc: 1330.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

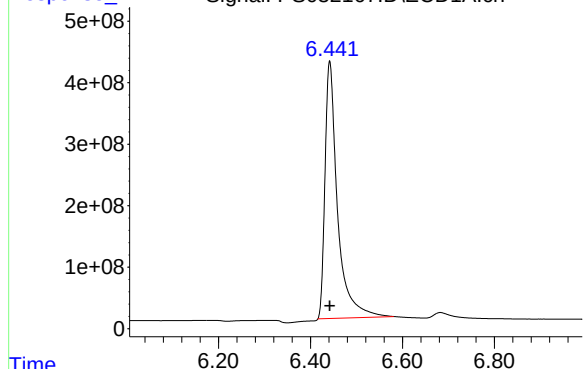
Time Response_ Signal: PS032167.D\ECD2B.ch



#1 Dalapon

R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 4800061672
Conc: 1326.66 ng/ml

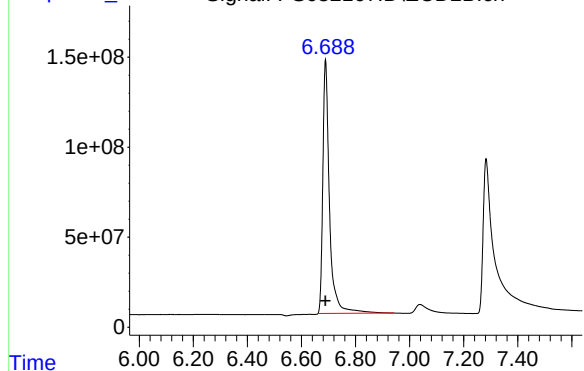
Time Response_ Signal: PS032167.D\ECD1A.ch



#2 3,5-DICHLOROBENZOIC ACID

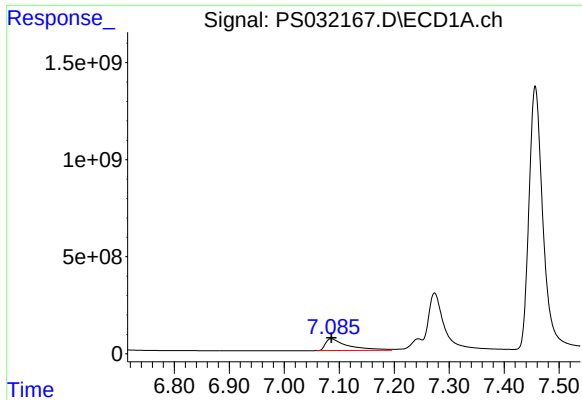
R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 7907848598
Conc: 1325.33 ng/ml

Time Response_ Signal: PS032167.D\ECD2B.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.689 min
Delta R.T.: 0.000 min
Response: 2422470481
Conc: 1345.12 ng/ml



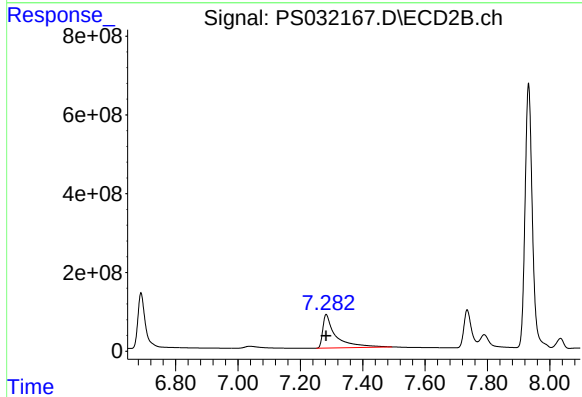
#3 4-Nitrophenol

R.T.: 7.086 min
Delta R.T.: 0.000 min
Response: 1727003887
Conc: 1430.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

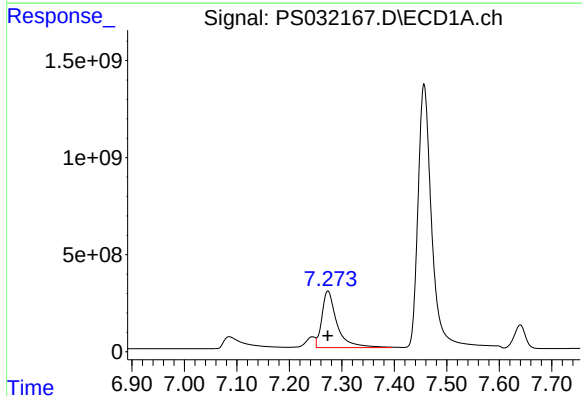
Manual Integrations
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Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



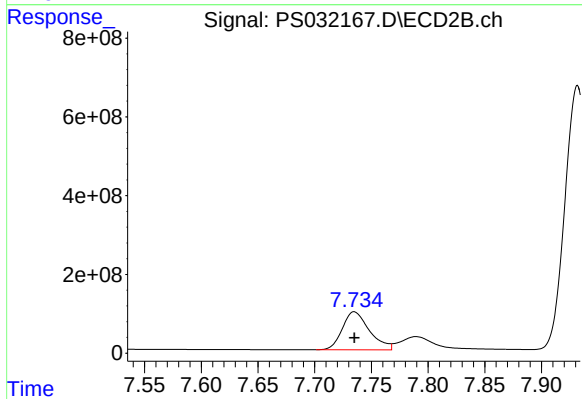
#3 4-Nitrophenol

R.T.: 7.282 min
Delta R.T.: 0.000 min
Response: 2492882986
Conc: 1616.46 ng/ml m



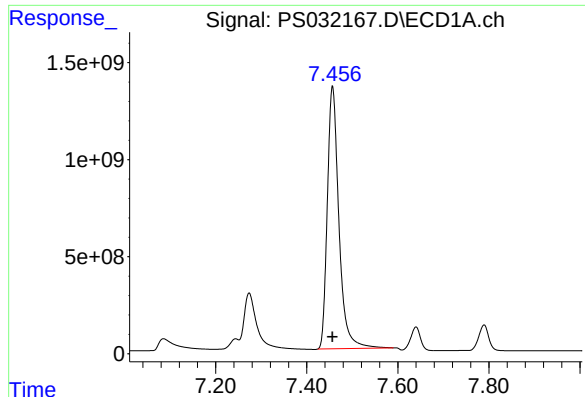
#4 2,4-DCAA

R.T.: 7.273 min
Delta R.T.: 0.000 min
Response: 5823040739
Conc: 1448.78 ng/ml m



#4 2,4-DCAA

R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 1607411107
Conc: 1479.95 ng/ml



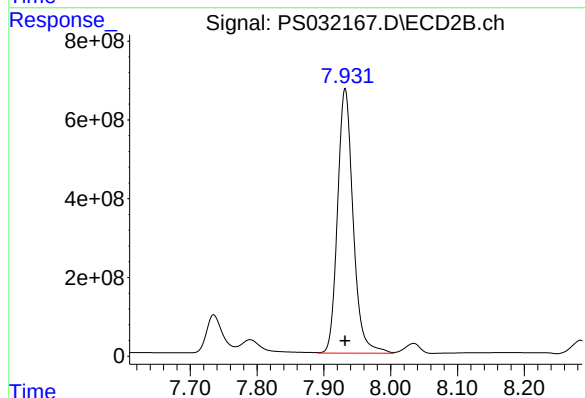
#5 DICAMBA

R.T.: 7.457 min
Delta R.T.: 0.000 min
Response: 23886200085
Conc: 1352.18 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

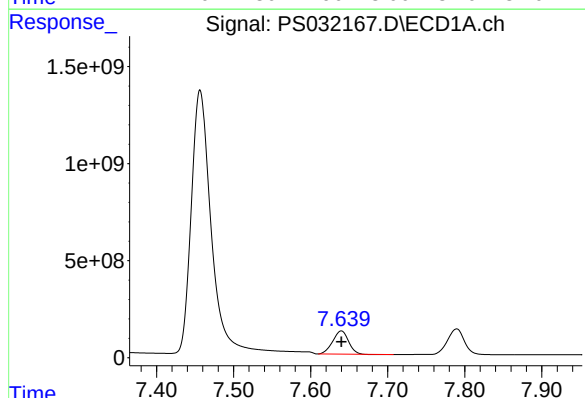
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



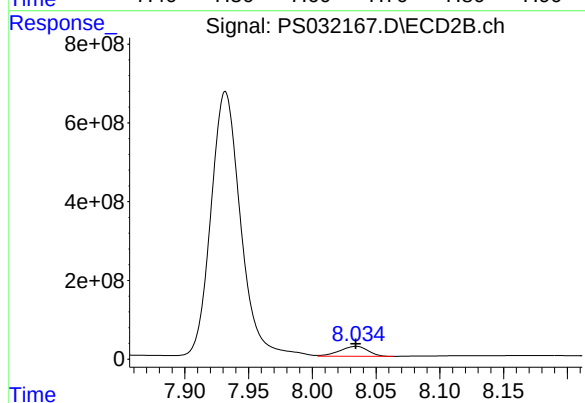
#5 DICAMBA

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 10887597668
Conc: 1371.73 ng/ml



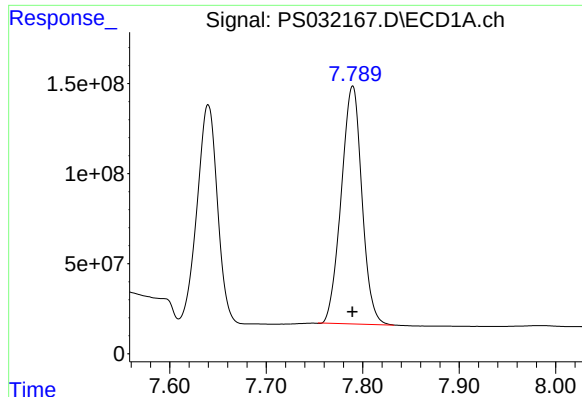
#6 MCPP

R.T.: 7.640 min
Delta R.T.: 0.000 min
Response: 1708544780
Conc: 145.64 ug/ml



#6 MCPP

R.T.: 8.034 min
Delta R.T.: 0.000 min
Response: 393550458
Conc: 142.58 ug/ml



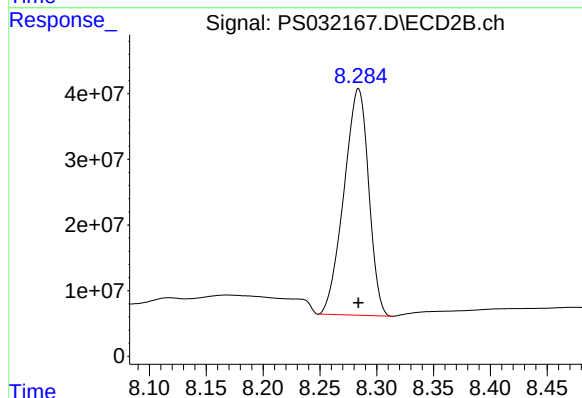
#7 MCPA

R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 1969480081
Conc: 142.04 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

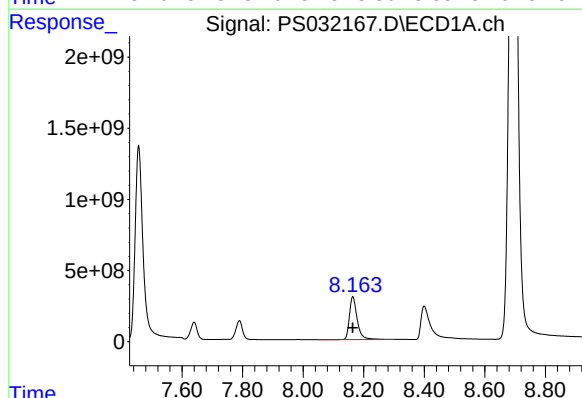
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



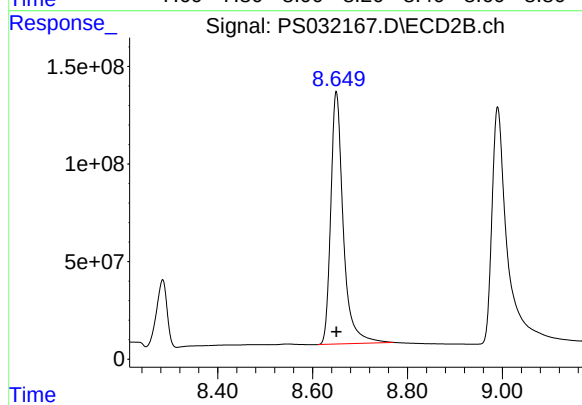
#7 MCPA

R.T.: 8.284 min
Delta R.T.: 0.000 min
Response: 523553533
Conc: 140.90 ug/ml



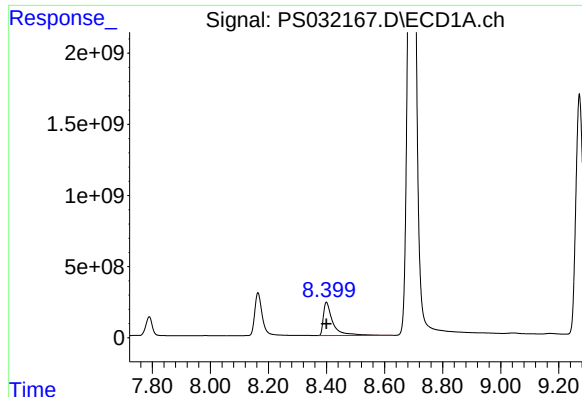
#8 DICHLORPROP

R.T.: 8.164 min
Delta R.T.: 0.000 min
Response: 5394464694
Conc: 1346.56 ng/ml



#8 DICHLORPROP

R.T.: 8.650 min
Delta R.T.: 0.000 min
Response: 2366044063
Conc: 1355.25 ng/ml



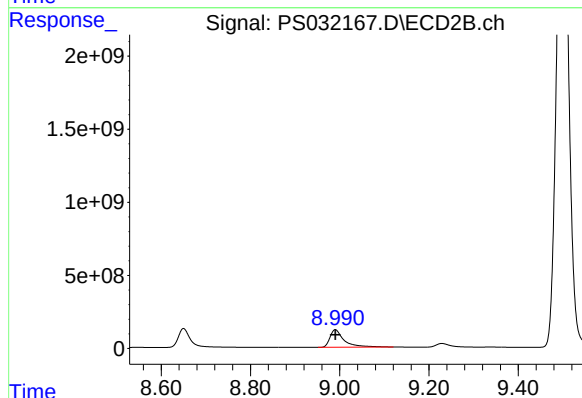
#9 2,4-D

R.T.: 8.400 min
Delta R.T.: 0.000 min
Response: 5309031092
Conc: 1355.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

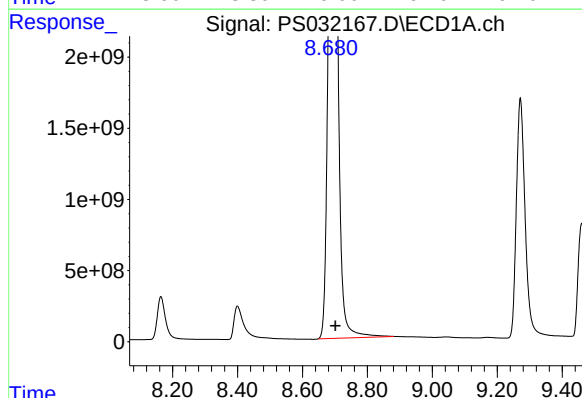
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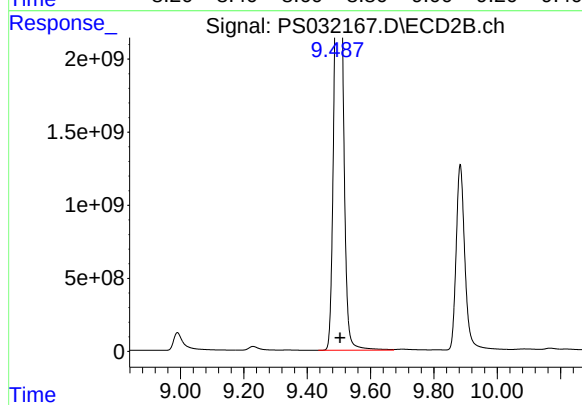
#9 2,4-D

R.T.: 8.990 min
Delta R.T.: 0.000 min
Response: 2646841405
Conc: 1376.00 ng/ml



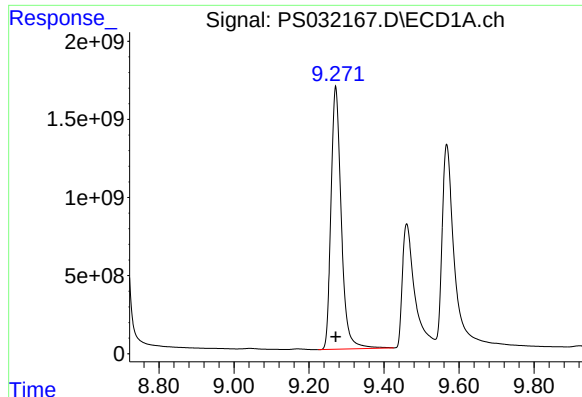
#10 Pentachlorophenol

R.T.: 8.702 min
Delta R.T.: 0.000 min
Response: 59363332094
Conc: 1122.80 ng/ml



#10 Pentachlorophenol

R.T.: 9.504 min
Delta R.T.: 0.000 min
Response: 53358110150
Conc: 1200.26 ng/ml



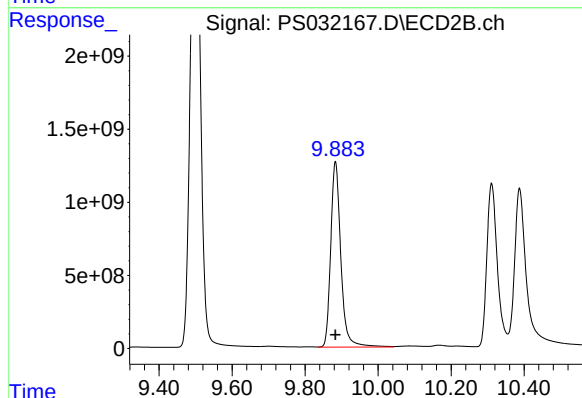
#11 2,4,5-TP (SILVEX)

R.T.: 9.271 min
Delta R.T.: 0.000 min
Response: 31931749597
Conc: 1355.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

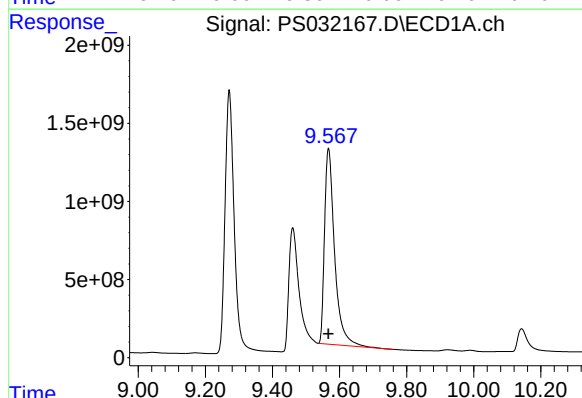
Manual Integrations
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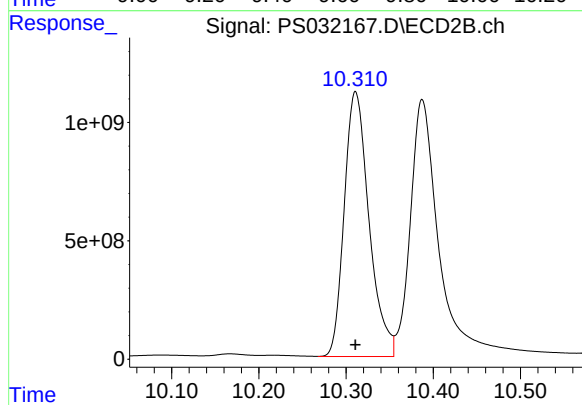
#11 2,4,5-TP (SILVEX)

R.T.: 9.883 min
Delta R.T.: 0.000 min
Response: 24395392452
Conc: 1353.16 ng/ml



#12 2,4,5-T

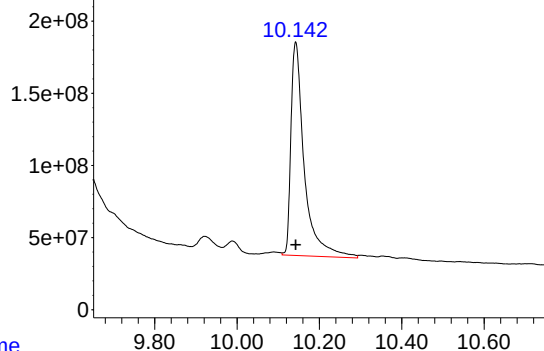
R.T.: 9.567 min
Delta R.T.: 0.000 min
Response: 26086523662
Conc: 1300.32 ng/ml



#12 2,4,5-T

R.T.: 10.311 min
Delta R.T.: 0.000 min
Response: 22124709071
Conc: 1384.69 ng/ml

Response_ Signal: PS032167.D\ECD1A.ch



#13 2,4-DB

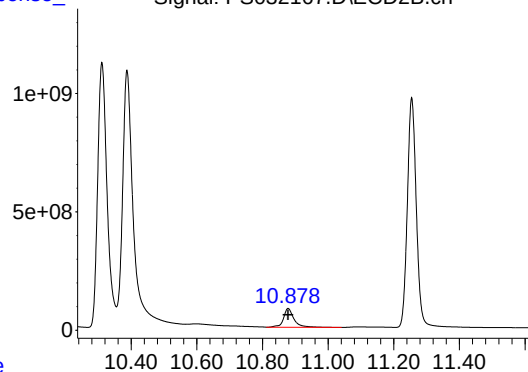
R.T.: 10.143 min
Delta R.T.: 0.000 min
Response: 3326440093
Conc: 1410.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/28/2025
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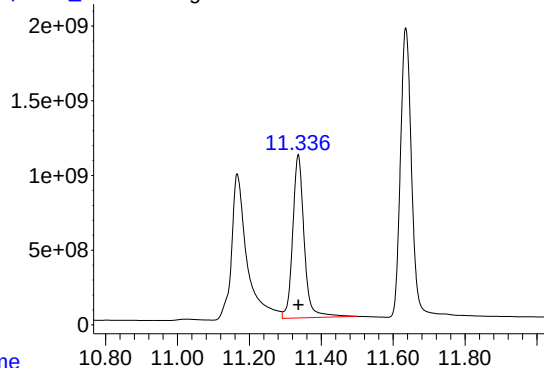
Time Response_ Signal: PS032167.D\ECD2B.ch



#13 2,4-DB

R.T.: 10.878 min
Delta R.T.: 0.000 min
Response: 1753058005
Conc: 1370.40 ng/ml

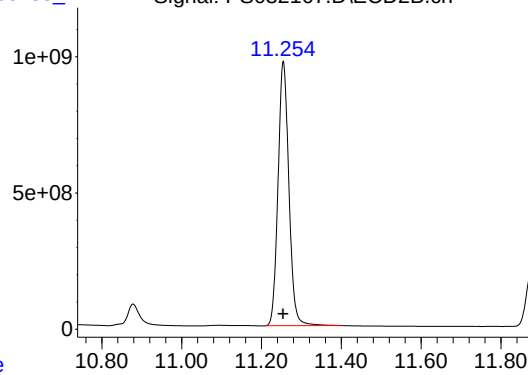
Time Response_ Signal: PS032167.D\ECD1A.ch



#14 DINOSEB

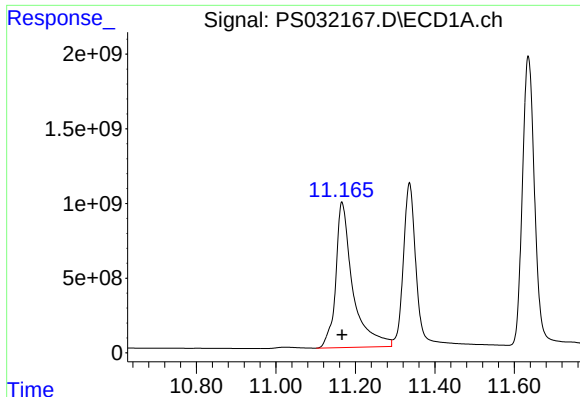
R.T.: 11.336 min
Delta R.T.: 0.000 min
Response: 24205080944
Conc: 1336.17 ng/ml

Time Response_ Signal: PS032167.D\ECD2B.ch



#14 DINOSEB

R.T.: 11.255 min
Delta R.T.: 0.000 min
Response: 18314135383
Conc: 1362.81 ng/ml



#15 Picloram

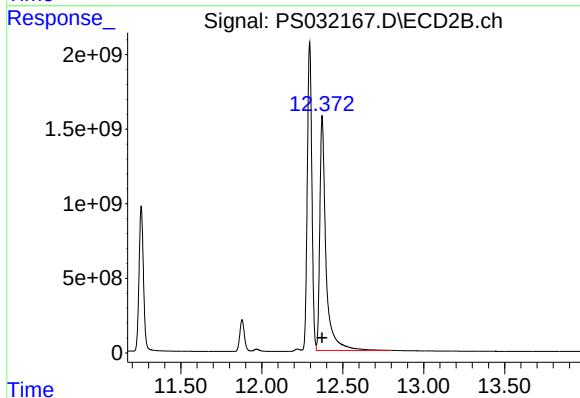
R.T.: 11.166 min
Delta R.T.: 0.000 min
Response: 29126587178
Conc: 1454.09 ng/ml

ICAL Form

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

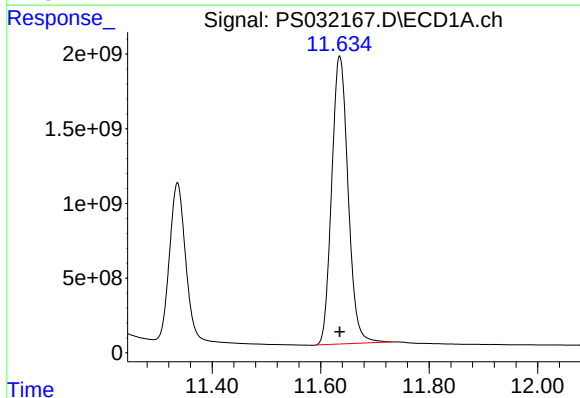
Manual Integrations
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Reviewed By :Abdul Mirza 10/28/2025
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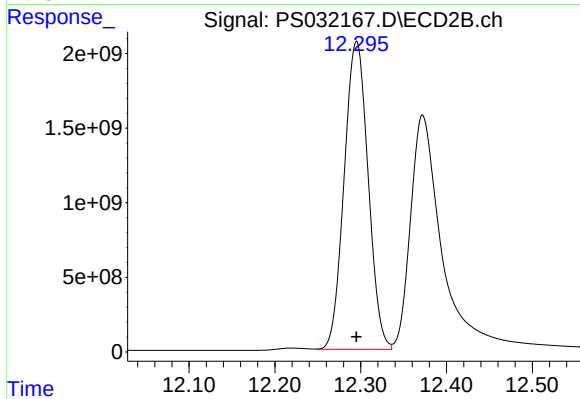
#15 Picloram

R.T.: 12.372 min
Delta R.T.: 0.000 min
Response: 41729550220
Conc: 1399.76 ng/ml



#16 DCPA

R.T.: 11.635 min
Delta R.T.: 0.000 min
Response: 40434296813
Conc: 1348.52 ng/ml



#16 DCPA

R.T.: 12.295 min
Delta R.T.: 0.000 min
Response: 40057186263
Conc: 1354.97 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
 Data File : PS032168.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 13:46
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS102725

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 04:41:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.276	7.739	3160.3E6	804.2E6	730.938	735.377
Target Compounds							
1) T	Dalapon	2.659	2.685	4722.5E6	2472.2E6	654.892	672.164
2) T	3,5-DICHL...	6.444	6.693	4267.0E6	1278.2E6	674.853	679.177
3) T	4-Nitroph...	7.098	7.299	790.3E6	1024.2E6	728.338	645.666
5) T	DICAMBA	7.458	7.933	12694.8E6	5620.5E6	687.187	688.282
6) T	MCPD	7.635	8.029	783.7E6	188.7E6	72.786	73.768
7) T	MCPA	7.784	8.277	922.3E6	252.2E6	70.834	72.014
8) T	DICHLORPROP	8.166	8.652	2893.6E6	1252.9E6	665.228	681.860
9) T	2,4-D	8.406	8.997	2830.6E6	1356.0E6	683.160	702.342
10) T	Pentachlo...	8.697	9.499	45080.5E6	35997.1E6	730.604	741.216
11) T	2,4,5-TP ...	9.272	9.884	17302.3E6	13164.3E6	700.978	696.457
12) T	2,4,5-T	9.571	10.315	15368.9E6	11400.5E6	737.803	706.927
13) T	2,4-DB	10.148	10.882	1580.3E6	873.0E6	686.681	632.700m
14) T	DINOSEB	11.337	11.255	13190.3E6	9569.1E6	687.002	693.901
15) T	Picloram	11.176	12.380	13957.5E6	21460.3E6	741.173	738.249
16) T	DCPA	11.637	12.296	22691.2E6	22284.3E6	708.206	715.624

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032168.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 13:46
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS102725

Manual Integrations

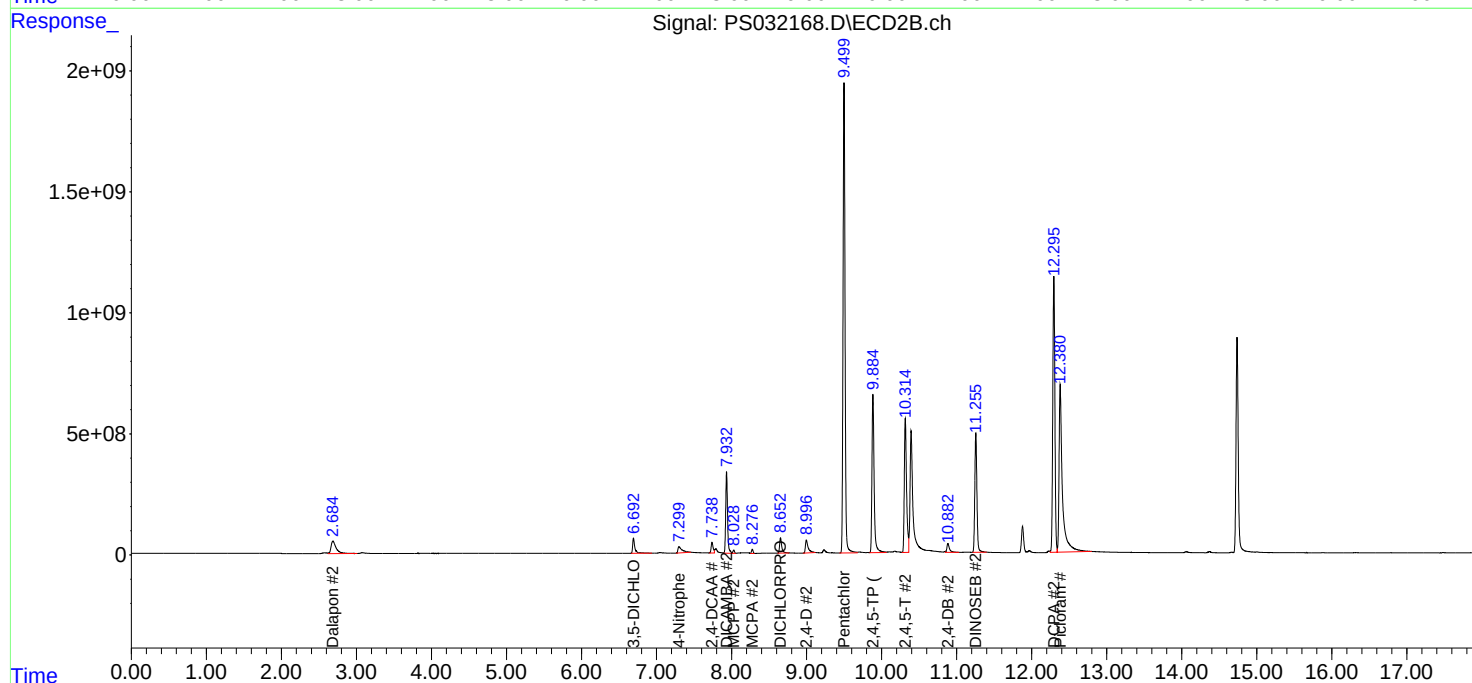
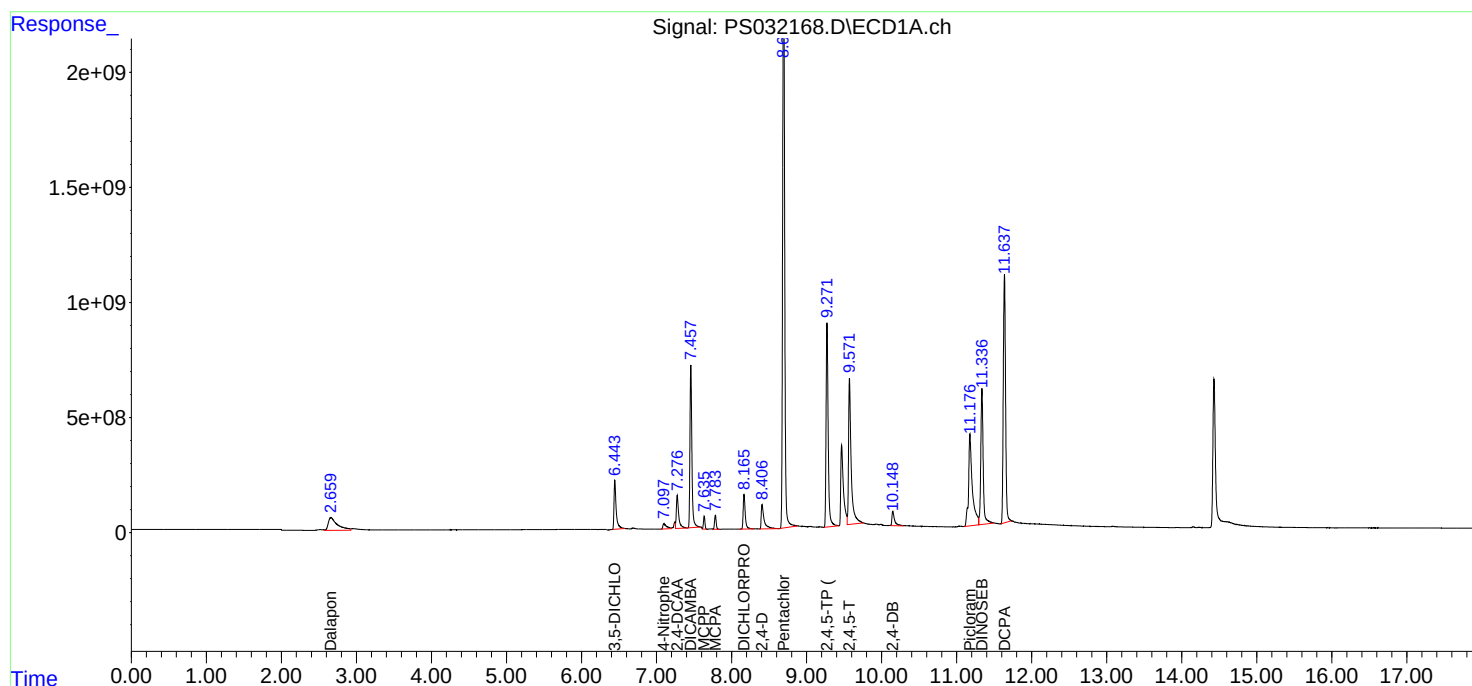
APPROVED

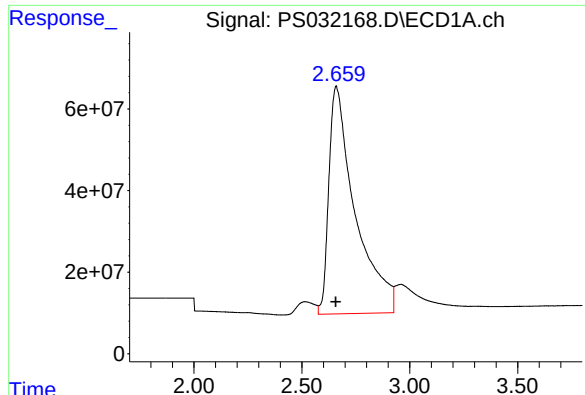
Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 04:41:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





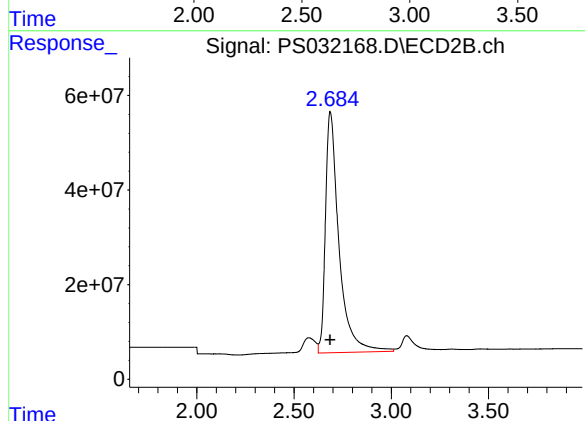
#1 Dalapon

R.T.: 2.659 min
Delta R.T.: 0.000 min
Response: 4722512848
Conc: 654.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS102725

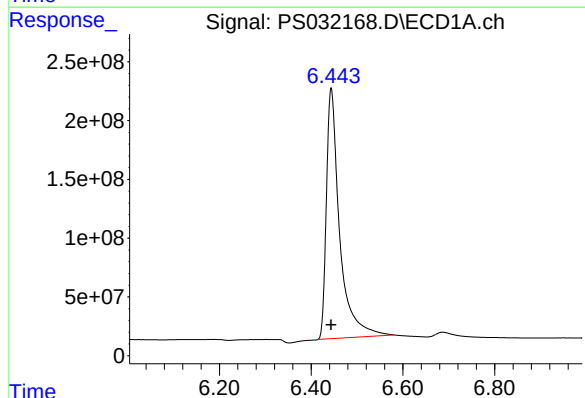
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



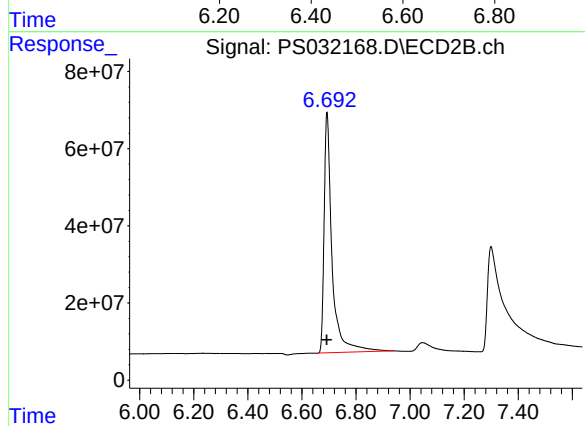
#1 Dalapon

R.T.: 2.685 min
Delta R.T.: 0.000 min
Response: 2472203124
Conc: 672.16 ng/ml



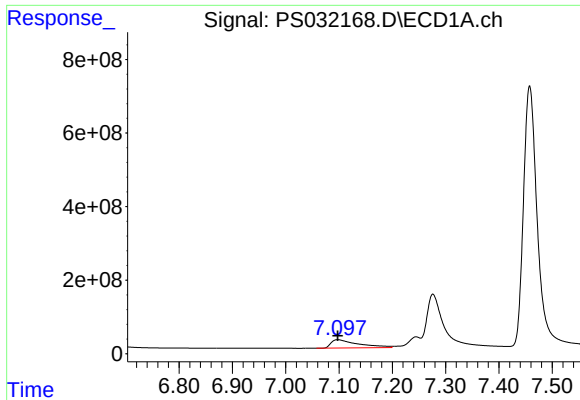
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.444 min
Delta R.T.: 0.000 min
Response: 4267045659
Conc: 674.85 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.693 min
Delta R.T.: 0.000 min
Response: 1278198288
Conc: 679.18 ng/ml



#3 4-Nitrophenol

R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 790281983
Conc: 728.34 ng/ml

ICAL Form

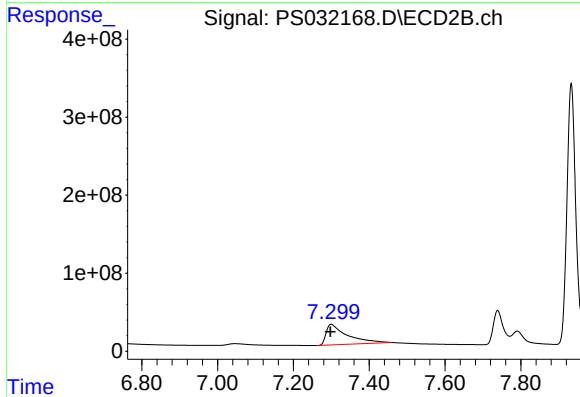
Instrument :

ECD_S

ClientSampleId :
ICVPS102725

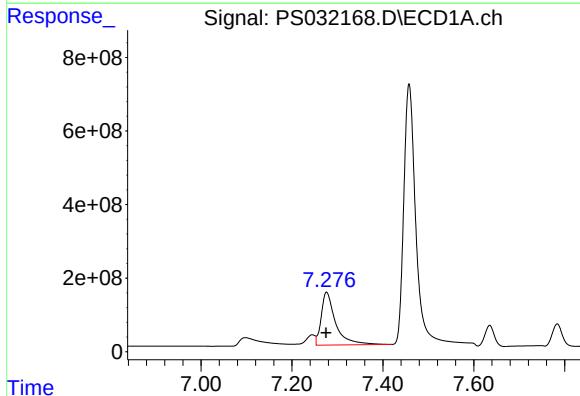
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



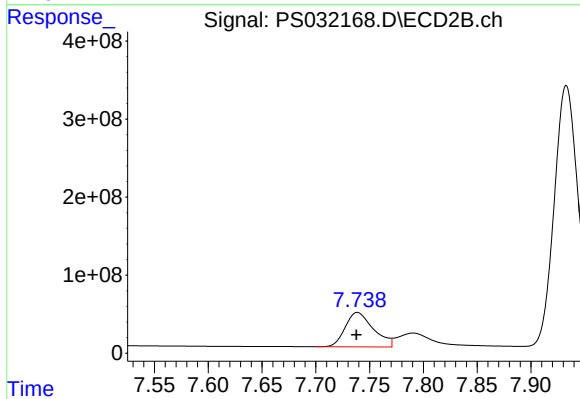
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.002 min
Response: 1024240772
Conc: 645.67 ng/ml



#4 2,4-DCAA

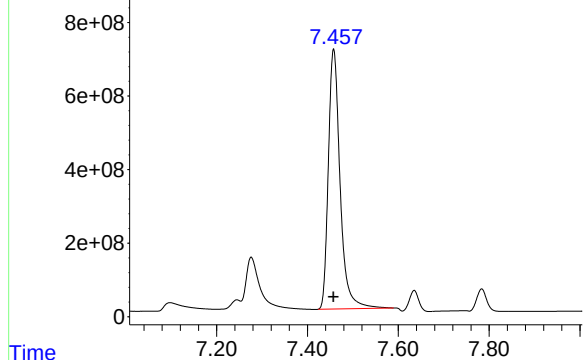
R.T.: 7.276 min
Delta R.T.: 0.001 min
Response: 3160331030
Conc: 730.94 ng/ml



#4 2,4-DCAA

R.T.: 7.739 min
Delta R.T.: 0.001 min
Response: 804160625
Conc: 735.38 ng/ml

Response_ Signal: PS032168.D\ECD1A.ch



#5 DICAMBA

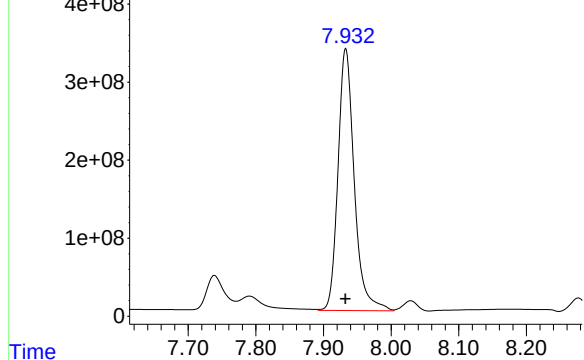
R.T.: 7.458 min
Delta R.T.: 0.000 min
Response: 12694822136
Conc: 687.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS102725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

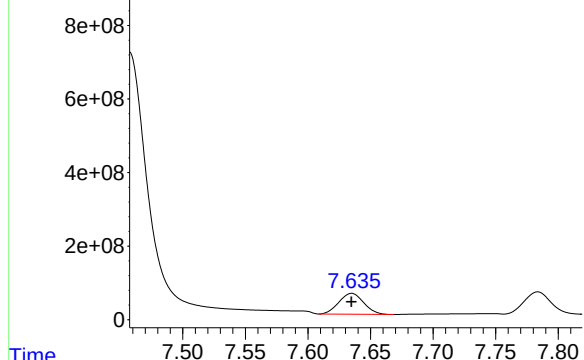
Response_ Signal: PS032168.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.933 min
Delta R.T.: 0.000 min
Response: 5620490915
Conc: 688.28 ng/ml

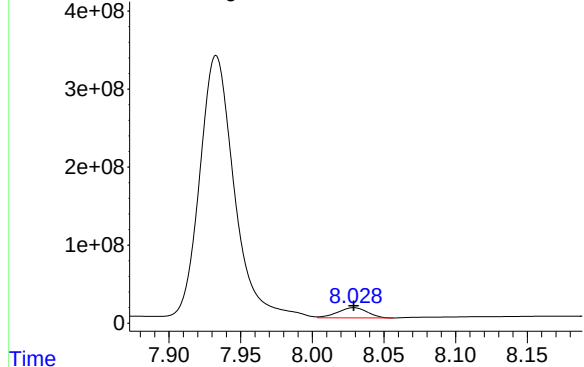
Response_ Signal: PS032168.D\ECD1A.ch



#6 MCPP

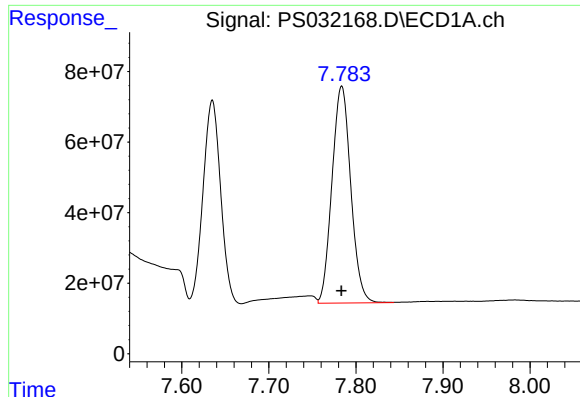
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 783665786
Conc: 72.79 ug/ml

Response_ Signal: PS032168.D\ECD2B.ch



#6 MCPP

R.T.: 8.029 min
Delta R.T.: 0.000 min
Response: 188662524
Conc: 73.77 ug/ml



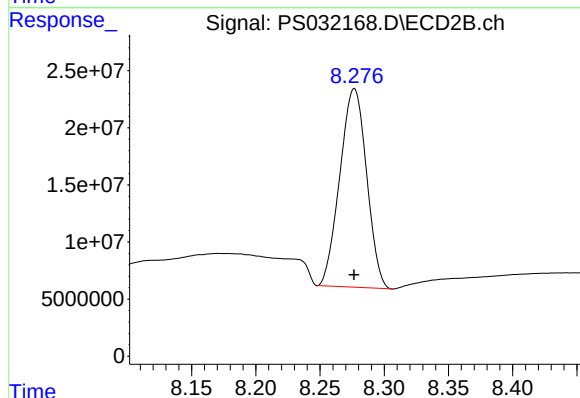
#7 MCPA

R.T.: 7.784 min
Delta R.T.: 0.000 min
Response: 922347503
Conc: 70.83 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS102725

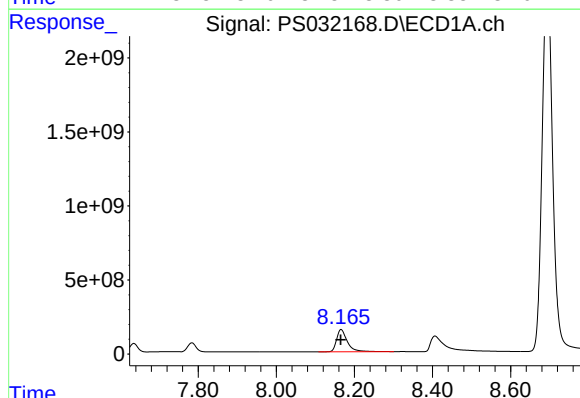
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



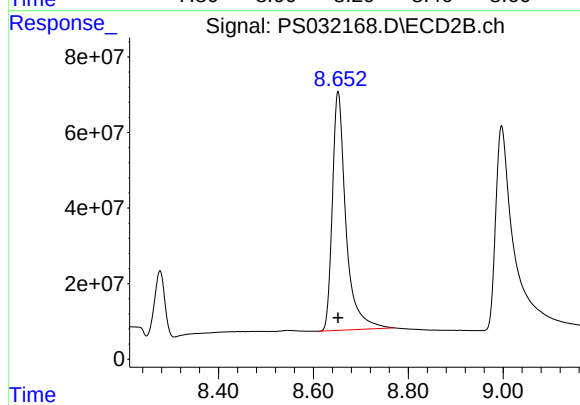
#7 MCPA

R.T.: 8.277 min
Delta R.T.: 0.000 min
Response: 252176342
Conc: 72.01 ug/ml



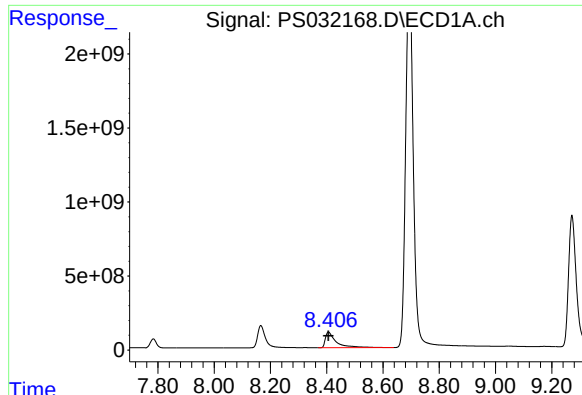
#8 DICHLORPROP

R.T.: 8.166 min
Delta R.T.: 0.000 min
Response: 2893589957
Conc: 665.23 ng/ml



#8 DICHLORPROP

R.T.: 8.652 min
Delta R.T.: 0.000 min
Response: 1252854323
Conc: 681.86 ng/ml



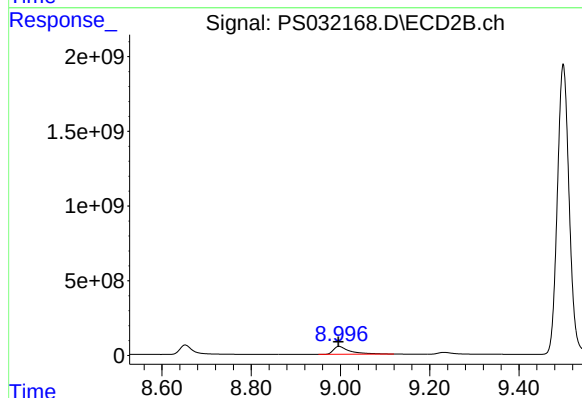
#9 2,4-D

R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 2830600417
Conc: 683.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS102725

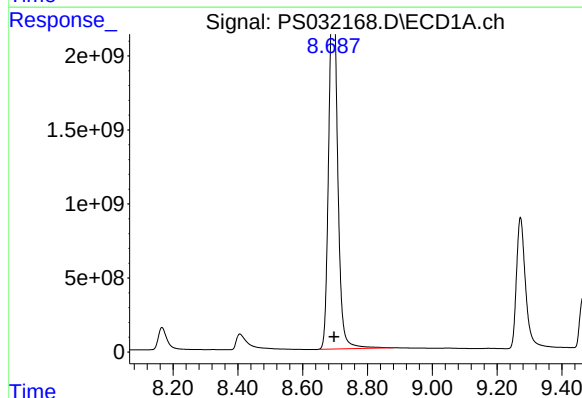
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



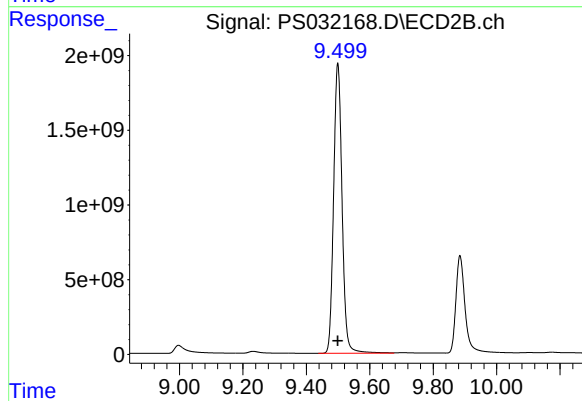
#9 2,4-D

R.T.: 8.997 min
Delta R.T.: 0.001 min
Response: 1356000378
Conc: 702.34 ng/ml



#10 Pentachlorophenol

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 45080452918
Conc: 730.60 ng/ml



#10 Pentachlorophenol

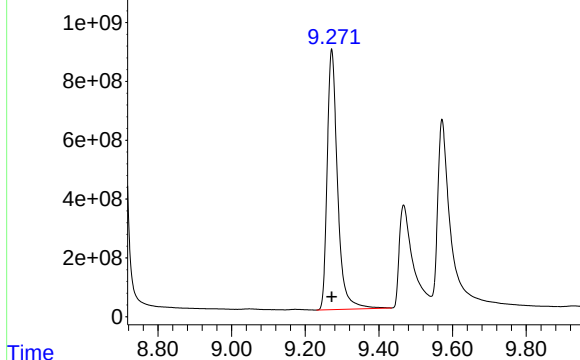
R.T.: 9.499 min
Delta R.T.: 0.000 min
Response: 35997053874
Conc: 741.22 ng/ml

Response_

Signal: PS032168.D\ECD1A.ch

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

ICAL Form



R.T.: 9.272 min
Delta R.T.: 0.000 min
Response: 17302282660
Conc: 700.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS102725

Manual Integrations
APPROVED

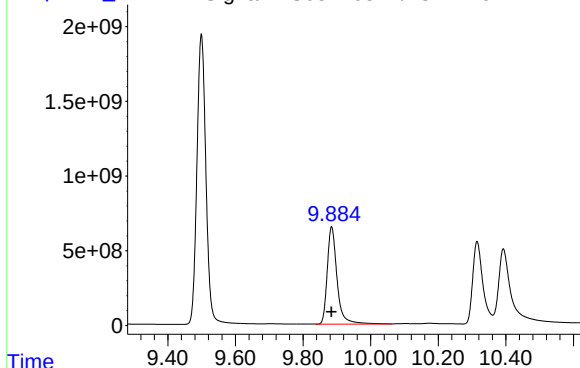
Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Time

Response_

Signal: PS032168.D\ECD2B.ch

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



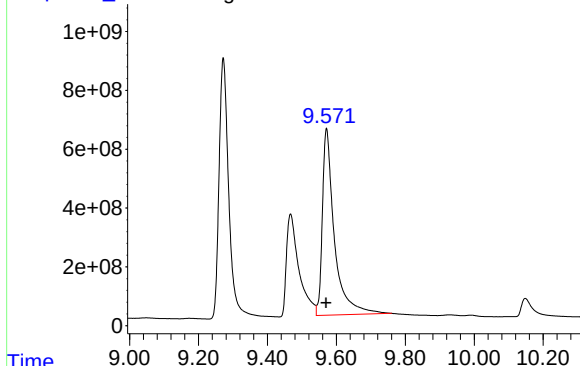
R.T.: 9.884 min
Delta R.T.: 0.000 min
Response: 13164297295
Conc: 696.46 ng/ml

Time

Response_

Signal: PS032168.D\ECD1A.ch

#12 2,4,5-T



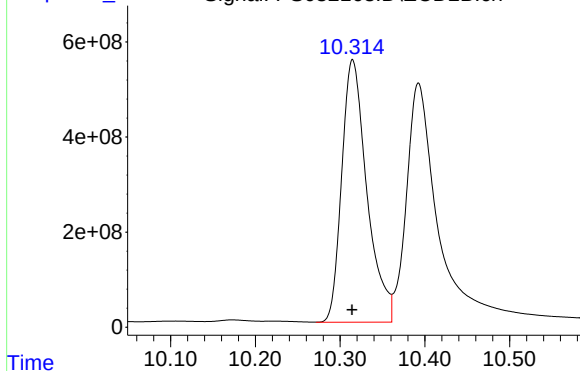
R.T.: 9.571 min
Delta R.T.: 0.000 min
Response: 15368858402
Conc: 737.80 ng/ml

Time

Response_

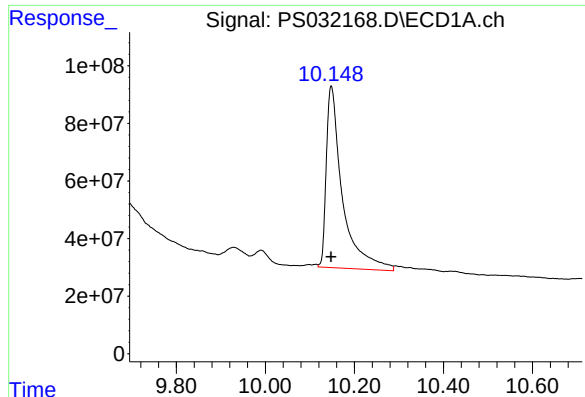
Signal: PS032168.D\ECD2B.ch

#12 2,4,5-T



R.T.: 10.315 min
Delta R.T.: 0.000 min
Response: 11400474210
Conc: 706.93 ng/ml

Time



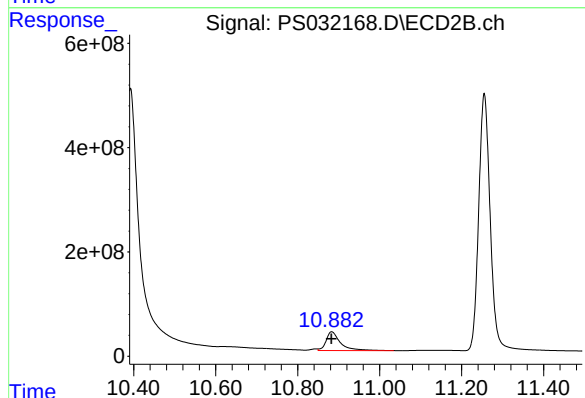
#13 2,4-DB

R.T.: 10.148 min
Delta R.T.: 0.000 min
Response: 1580260538
Conc: 686.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS102725

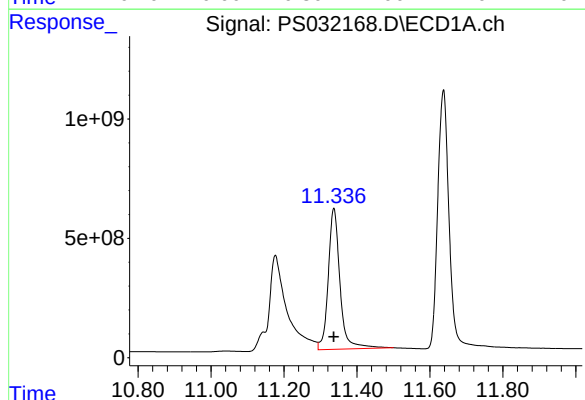
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



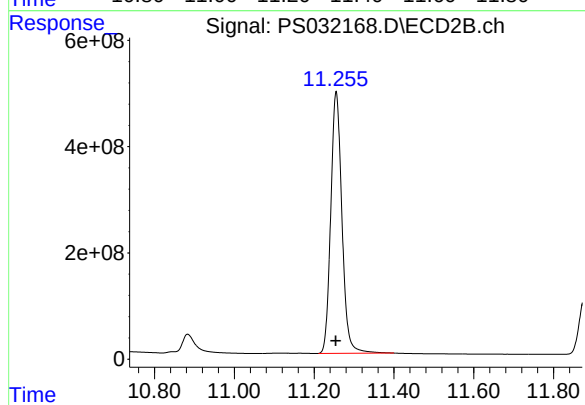
#13 2,4-DB

R.T.: 10.882 min
Delta R.T.: 0.000 min
Response: 872999071
Conc: 632.70 ng/ml m



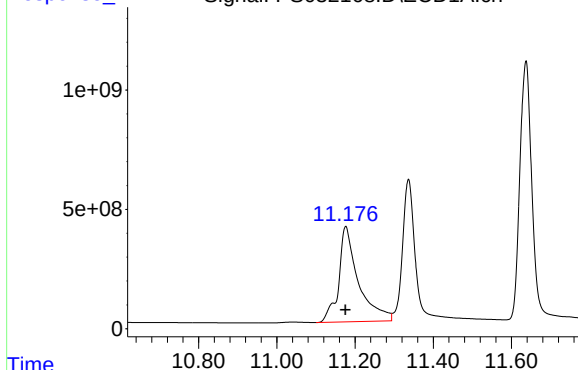
#14 DINOSEB

R.T.: 11.337 min
Delta R.T.: 0.000 min
Response: 13190345820
Conc: 687.00 ng/ml



#14 DINOSEB

R.T.: 11.255 min
Delta R.T.: 0.000 min
Response: 9569093421
Conc: 693.90 ng/ml



R.T.: 11.176 min
Delta R.T.: 0.001 min
Response: 13957525469
Conc: 741.17 ng/ml

Instrument :

ECD_S

ClientSampleId :
ICVPS102725

Manual Integrations
APPROVED

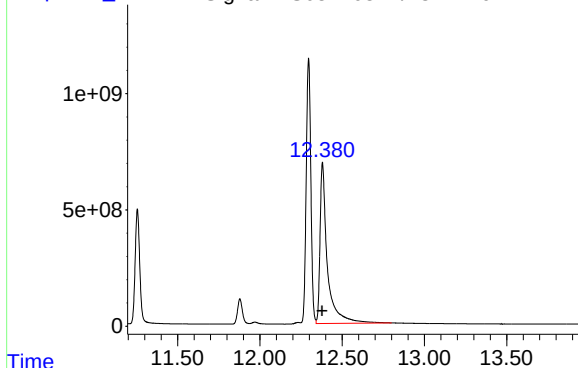
Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Time

Response_

Signal: PS032168.D\ECD2B.ch

#15 Picloram



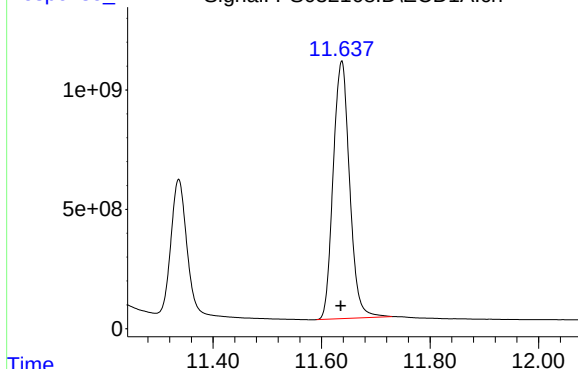
R.T.: 12.380 min
Delta R.T.: 0.002 min
Response: 21460265338
Conc: 738.25 ng/ml

Time

Response_

Signal: PS032168.D\ECD1A.ch

#16 DCPA



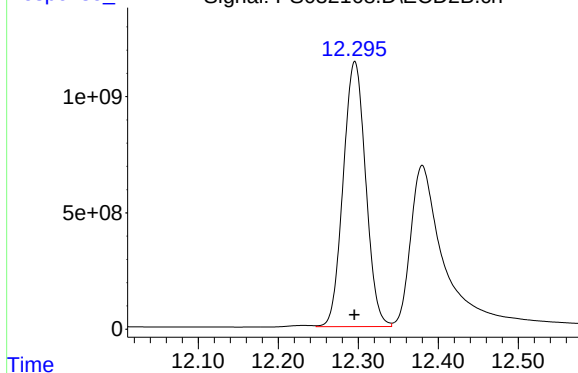
R.T.: 11.637 min
Delta R.T.: 0.002 min
Response: 22691202766
Conc: 708.21 ng/ml

Time

Response_

Signal: PS032168.D\ECD2B.ch

#16 DCPA



R.T.: 12.296 min
Delta R.T.: 0.000 min
Response: 22284302869
Conc: 715.62 ng/ml



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

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ROYF02**Lab Code:** ACE**SDG NO.:** Q3447**Continuing Calib Date:** 10/27/2025**Initial Calibration Date(s):** 10/27/2025 10/27/2025**Continuing Calib Time:** 21:36**Initial Calibration Time(s):** 11:43 13:21**GC Column:** RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.40	8.41	8.31	8.51	0.01
2,4,5-TP(Silvex)	9.27	9.27	9.17	9.37	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/27/2025

Initial Calibration Date(s): 10/27/2025 10/27/2025

Continuing Calib Time: 21:36

Initial Calibration Time(s): 11:43 13:21

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.74	7.74	7.64	7.84	0.00
2,4-D	9.00	9.00	8.90	9.10	0.00
2,4,5-TP(Silvex)	9.89	9.88	9.78	9.98	-0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/27/2025 10/27/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/27/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032182.D **Time Analyzed:** 21:36

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.271	9.172	9.372	712.660	712.500	0.0
2,4-D	8.403	8.306	8.506	719.220	705.000	2.0
2,4-DCAA	7.275	7.175	7.375	745.160	750.000	-0.6



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ROYF02
Lab Code: ACE SDG NO.: Q3447
GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/27/2025 10/27/2025

Client Sample No.: CCAL01 Date Analyzed: 10/27/2025
Lab Sample No.: HSTDCCC750 Data File : PS032182.D Time Analyzed: 21:36

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.887	9.784	9.984	680.540	712.500	-4.5
2,4-D	8.998	8.895	9.095	692.890	705.000	-1.7
2,4-DCAA	7.741	7.638	7.838	728.790	750.000	-2.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
 Data File : PS032182.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 21:36
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 06:23:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.275	7.741	3221.8E6	797.0E6	745.158	728.787
Target Compounds							
1) T	Dalapon	2.657	2.688	4688.2E6	2459.7E6	650.135	668.762
2) T	3,5-DICHL...	6.442	6.694	4328.0E6	1255.1E6	684.486	666.920
3) T	4-Nitroph...	7.092	7.299	720.0E6	1054.8E6	663.557m	664.939
5) T	DICAMBA	7.456	7.935	12840.6E6	5522.5E6	695.079	676.280
6) T	MCPD	7.634	8.032	792.5E6	181.7E6	73.610	71.060
7) T	MCPA	7.783	8.279	949.1E6	244.3E6	72.886	69.768
8) T	DICHLORPROP	8.164	8.654	2923.6E6	1227.4E6	672.134	668.010
9) T	2,4-D	8.403	8.998	2980.0E6	1337.8E6	719.220	692.891
10) T	Pentachlo...	8.697	9.503	44945.0E6	35316.1E6	728.409	727.195
11) T	2,4,5-TP ...	9.271	9.887	17590.6E6	12863.4E6	712.661	680.536
12) T	2,4,5-T	9.570	10.317	15914.5E6	11224.7E6	763.998	696.028
13) T	2,4-DB	10.144	10.886	1807.8E6	859.3E6	785.563	622.779
14) T	DINOSEB	11.335	11.259	13363.0E6	9400.4E6	695.994	681.669
15) T	Picloram	11.172	12.384	14363.6E6	19776.4E6	762.737	680.324
16) T	DCPA	11.634	12.299	22805.6E6	21666.4E6	711.775	695.781

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032182.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 21:36
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

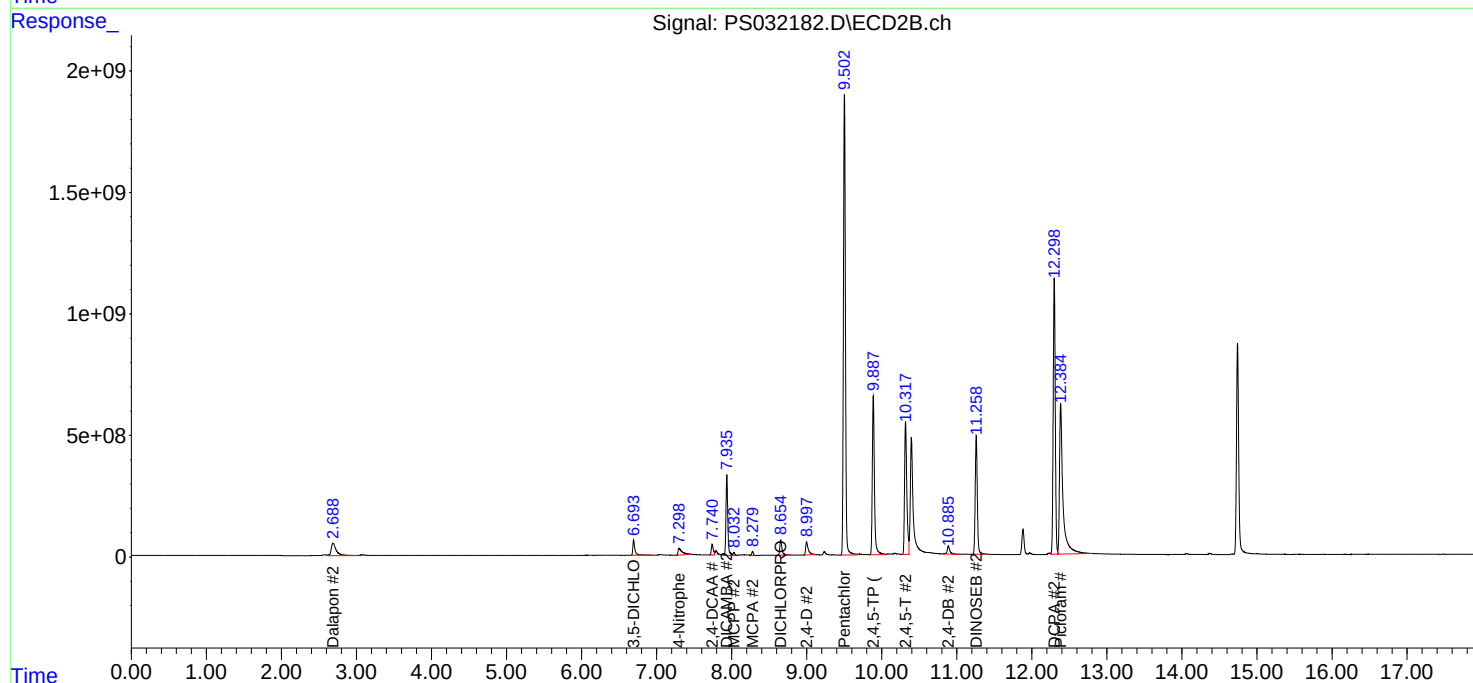
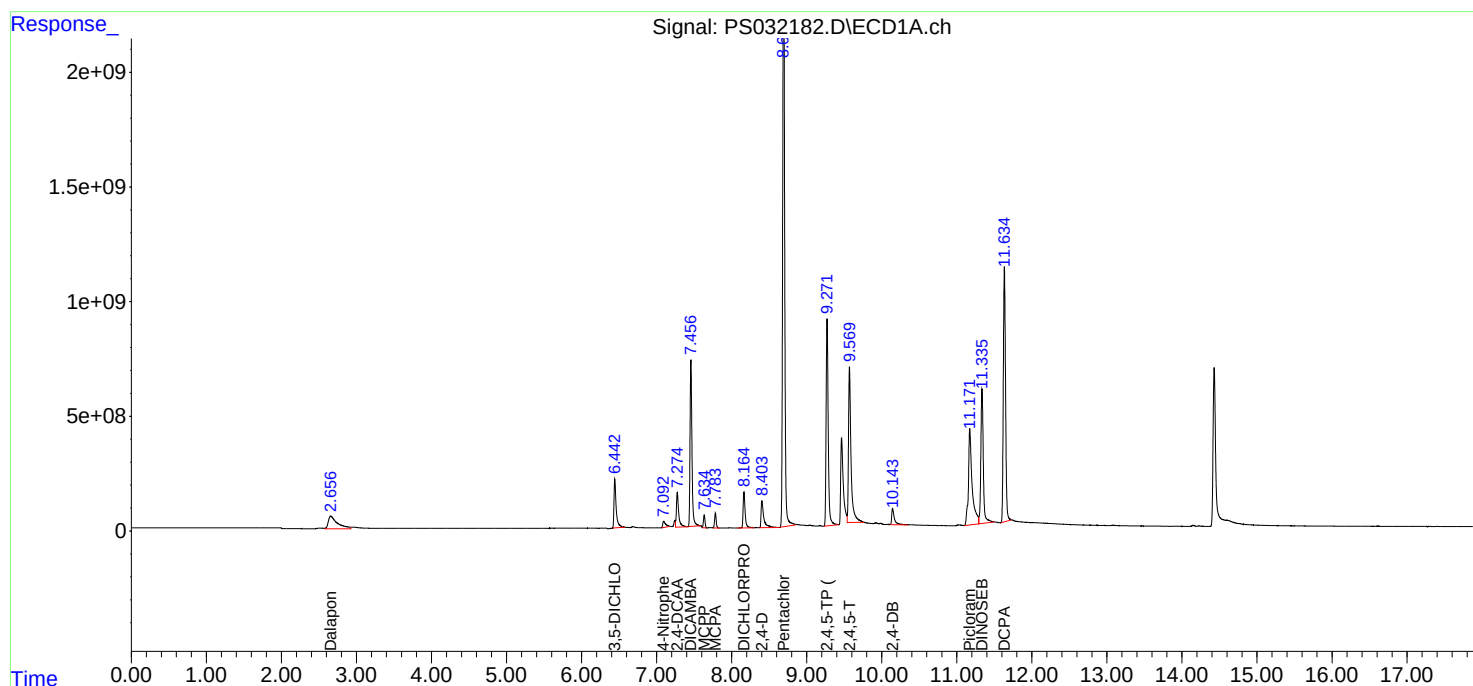
APPROVED

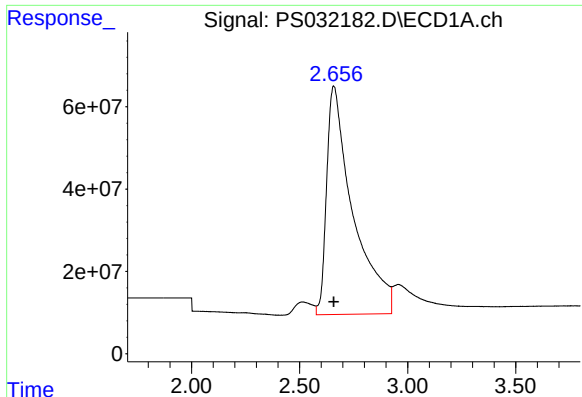
Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:23:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





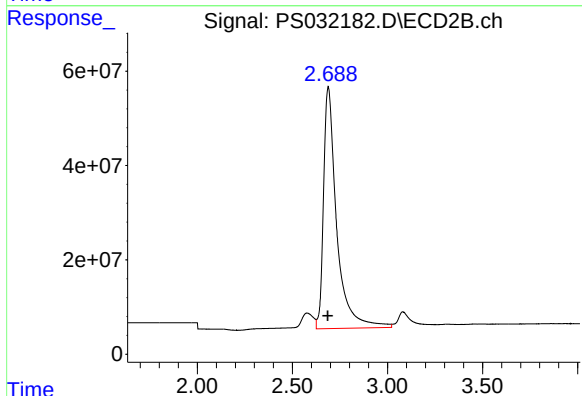
#1 Dalapon

R.T.: 2.657 min
Delta R.T.: -0.001 min
Response: 4688206615
Conc: 650.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

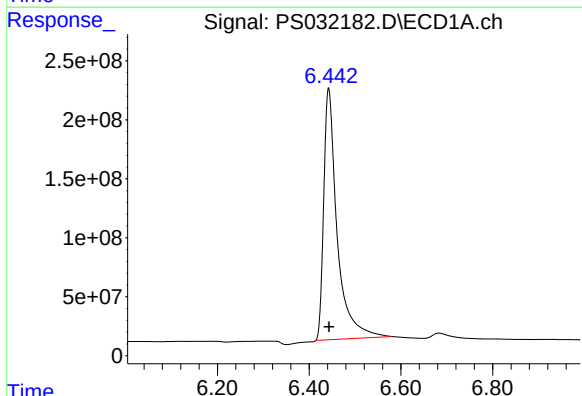
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



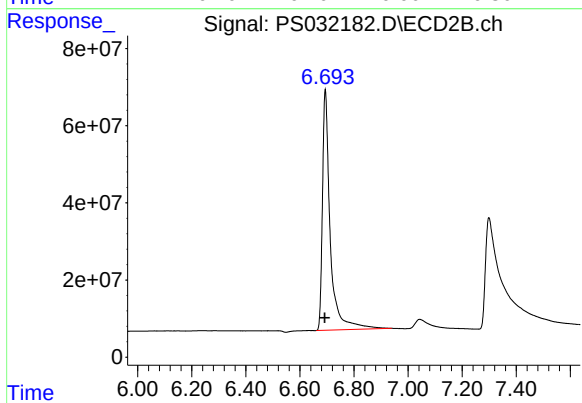
#1 Dalapon

R.T.: 2.688 min
Delta R.T.: 0.003 min
Response: 2459690923
Conc: 668.76 ng/ml



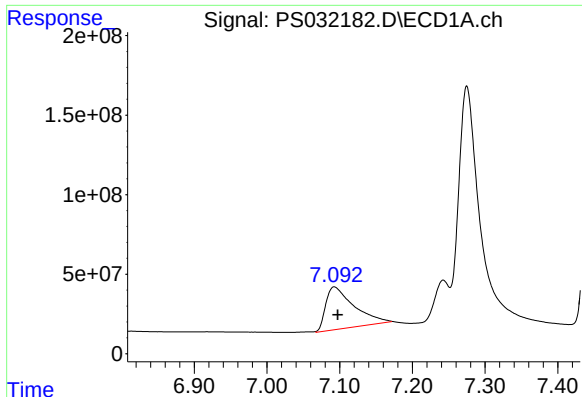
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 4327951125
Conc: 684.49 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.694 min
Delta R.T.: 0.002 min
Response: 1255129304
Conc: 666.92 ng/ml



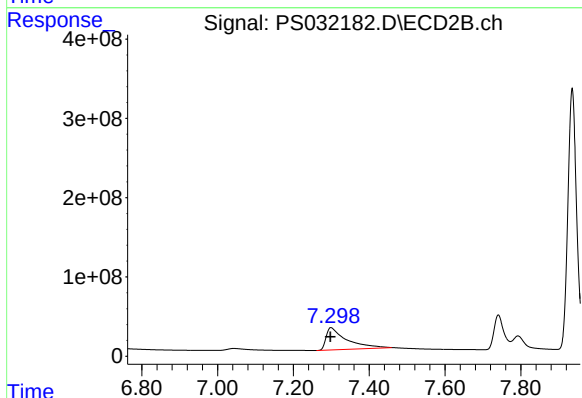
#3 4-Nitrophenol

R.T.: 7.092 min
Delta R.T.: -0.006 min
Response: 719991450
Conc: 663.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

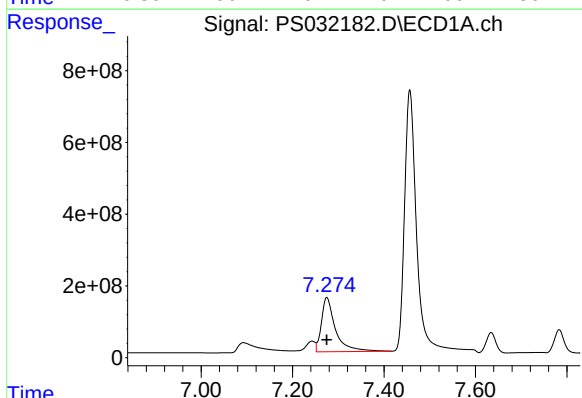
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



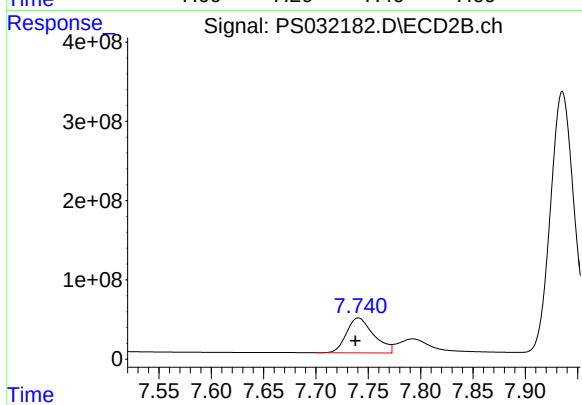
#3 4-Nitrophenol

R.T.: 7.299 min
Delta R.T.: 0.002 min
Response: 1054813263
Conc: 664.94 ng/ml



#4 2,4-DCAA

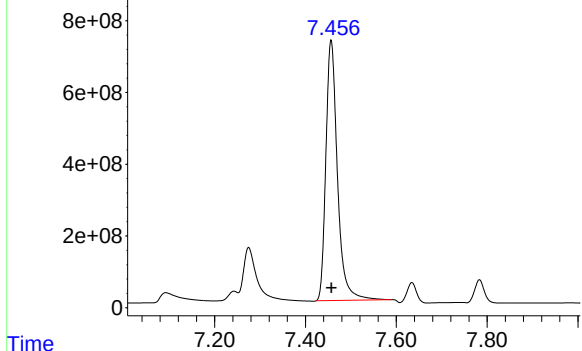
R.T.: 7.275 min
Delta R.T.: 0.000 min
Response: 3221812211
Conc: 745.16 ng/ml



#4 2,4-DCAA

R.T.: 7.741 min
Delta R.T.: 0.003 min
Response: 796954154
Conc: 728.79 ng/ml

Response_ Signal: PS032182.D\ECD1A.ch



#5 DICAMBA

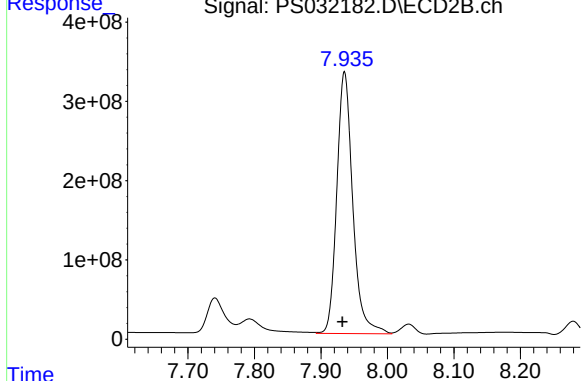
R.T.: 7.456 min
Delta R.T.: 0.000 min
Response: 12840611146
Conc: 695.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

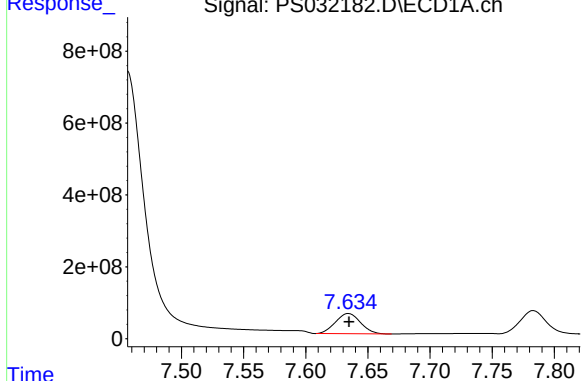
Time Response_ Signal: PS032182.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.935 min
Delta R.T.: 0.003 min
Response: 5522484292
Conc: 676.28 ng/ml

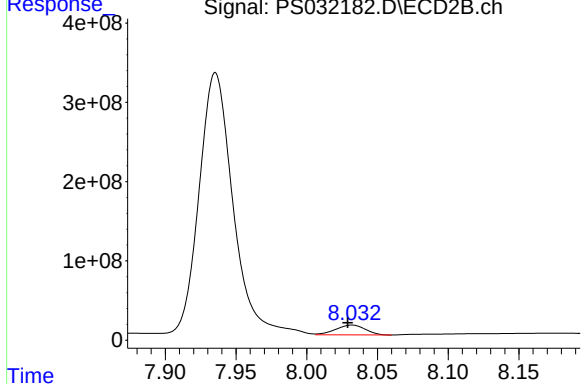
Time Response_ Signal: PS032182.D\ECD1A.ch



#6 MCPP

R.T.: 7.634 min
Delta R.T.: 0.000 min
Response: 792533121
Conc: 73.61 ug/ml

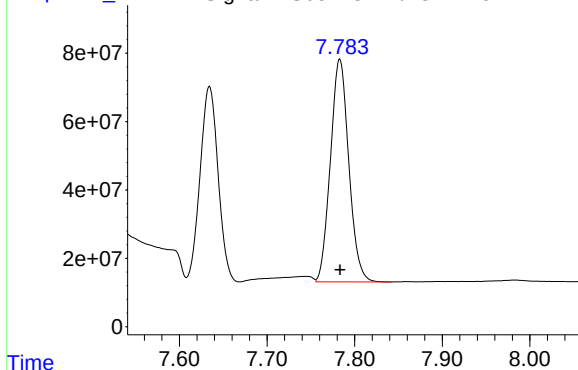
Time Response_ Signal: PS032182.D\ECD2B.ch



#6 MCPP

R.T.: 8.032 min
Delta R.T.: 0.003 min
Response: 181738058
Conc: 71.06 ug/ml

Response_ Signal: PS032182.D\ECD1A.ch



#7 MCPA

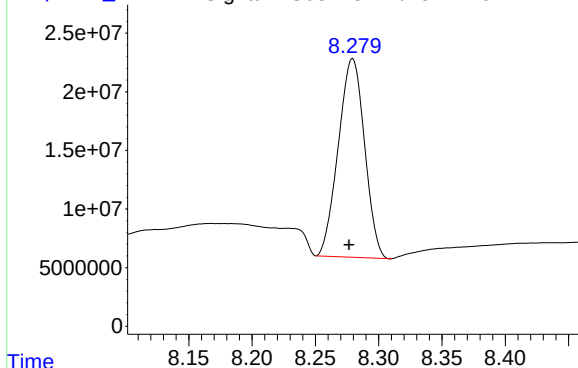
R.T.: 7.783 min
Delta R.T.: 0.000 min
Response: 949059327
Conc: 72.89 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

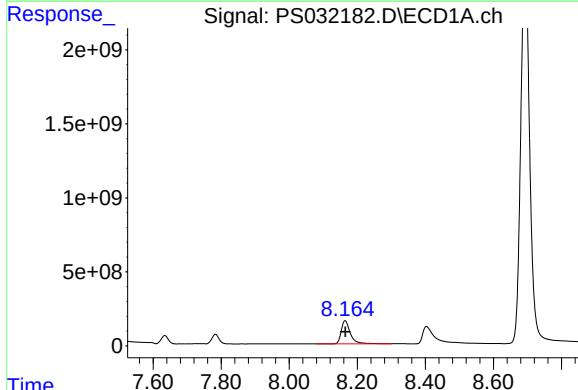
Response_ Signal: PS032182.D\ECD2B.ch



#7 MCPA

R.T.: 8.279 min
Delta R.T.: 0.003 min
Response: 244311672
Conc: 69.77 ug/ml

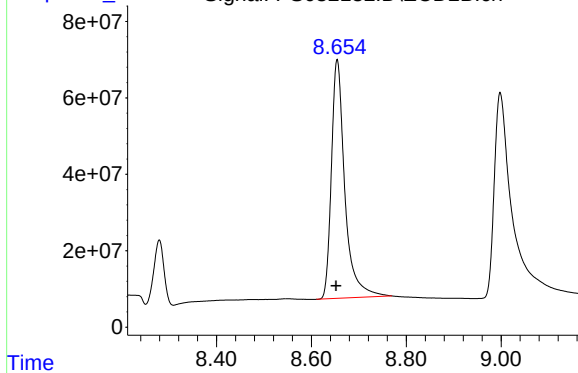
Response_ Signal: PS032182.D\ECD1A.ch



#8 DICHLORPROP

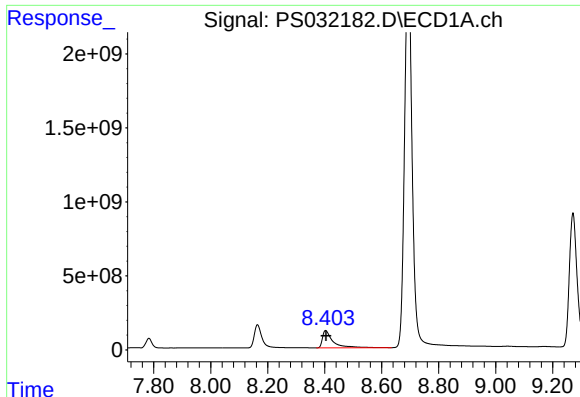
R.T.: 8.164 min
Delta R.T.: -0.001 min
Response: 2923629611
Conc: 672.13 ng/ml

Response_ Signal: PS032182.D\ECD2B.ch



#8 DICHLORPROP

R.T.: 8.654 min
Delta R.T.: 0.003 min
Response: 1227405834
Conc: 668.01 ng/ml



#9 2,4-D

R.T.: 8.403 min
Delta R.T.: -0.002 min
Response: 2980012311
Conc: 719.22 ng/ml

Instrument :

ECD_S

ClientSampleId :

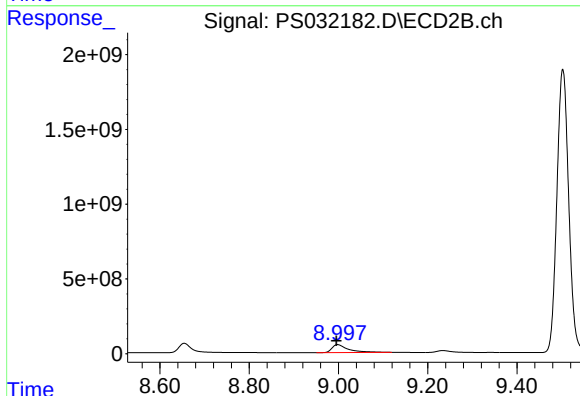
HSTDCCC750

Manual Integrations

APPROVED

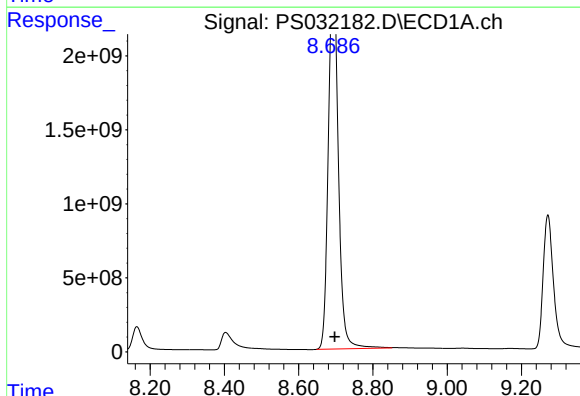
Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025



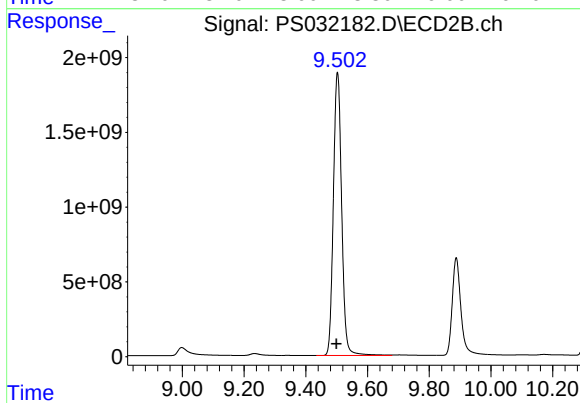
#9 2,4-D

R.T.: 8.998 min
Delta R.T.: 0.003 min
Response: 1337754385
Conc: 692.89 ng/ml



#10 Pentachlorophenol

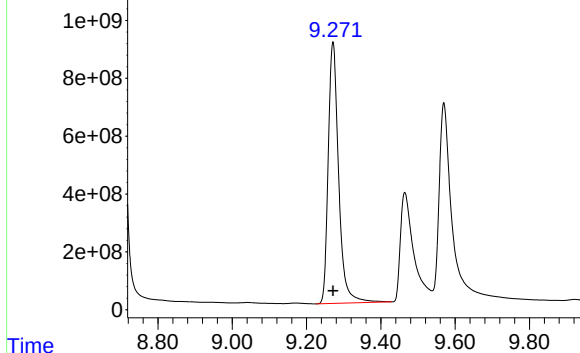
R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 44944979114
Conc: 728.41 ng/ml



#10 Pentachlorophenol

R.T.: 9.503 min
Delta R.T.: 0.004 min
Response: 35316100862
Conc: 727.19 ng/ml

Response_ Signal: PS032182.D\ECD1A.ch



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

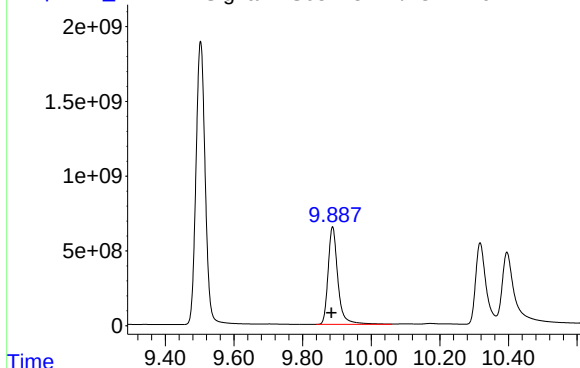
R.T.: 9.271 min
Delta R.T.: 0.000 min
Response: 17590648942
Conc: 712.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

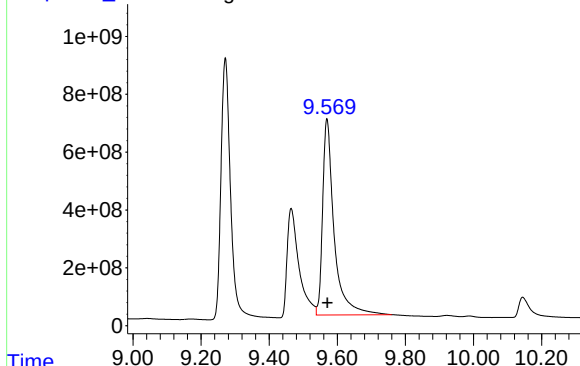
Time Response_ Signal: PS032182.D\ECD2B.ch



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

R.T.: 9.887 min
Delta R.T.: 0.003 min
Response: 12863353156
Conc: 680.54 ng/ml

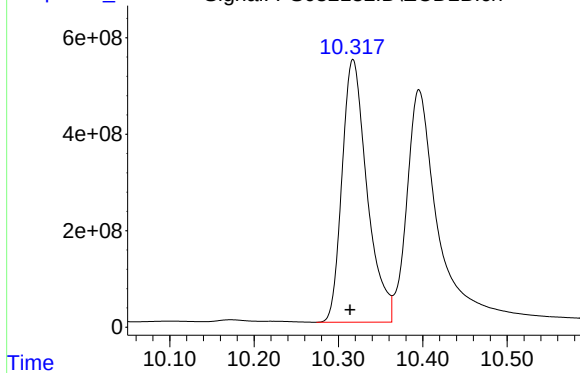
Time Response_ Signal: PS032182.D\ECD1A.ch



#12 2,4,5-T

R.T.: 9.570 min
Delta R.T.: -0.001 min
Response: 15914527081
Conc: 764.00 ng/ml

Time Response_ Signal: PS032182.D\ECD2B.ch

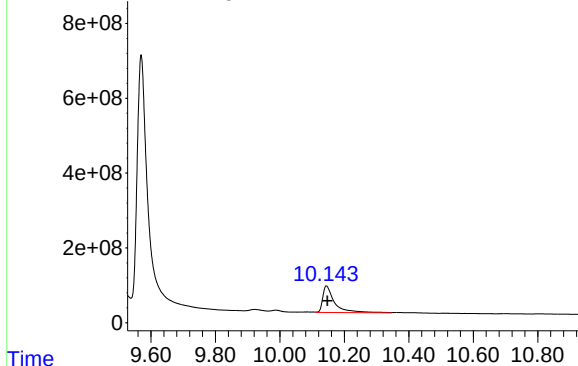


#12 2,4,5-T

R.T.: 10.317 min
Delta R.T.: 0.003 min
Response: 11224704600
Conc: 696.03 ng/ml

Signal: PS032182.D\ECD1A.ch

#13 2,4-DB



R.T.: 10.144 min
Delta R.T.: -0.003 min
Response: 1807819545
Conc: 785.56 ng/ml

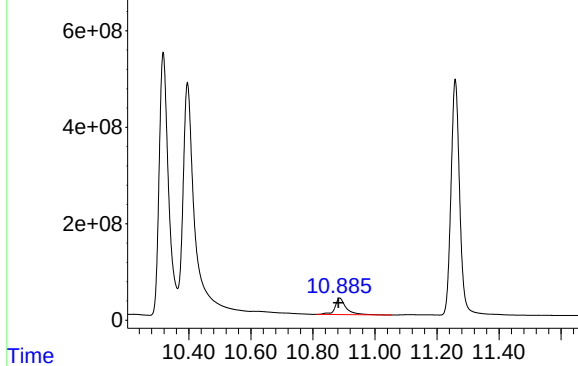
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Signal: PS032182.D\ECD2B.ch

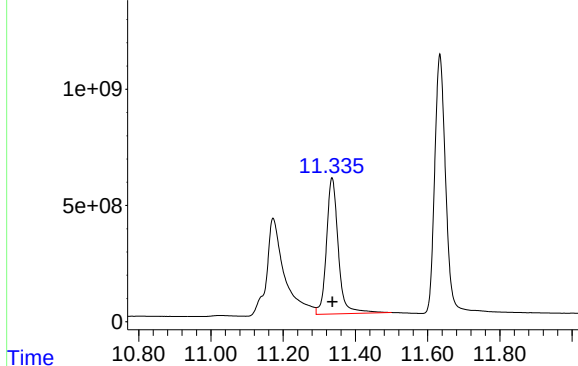
#13 2,4-DB



R.T.: 10.886 min
Delta R.T.: 0.004 min
Response: 859310237
Conc: 622.78 ng/ml

Signal: PS032182.D\ECD1A.ch

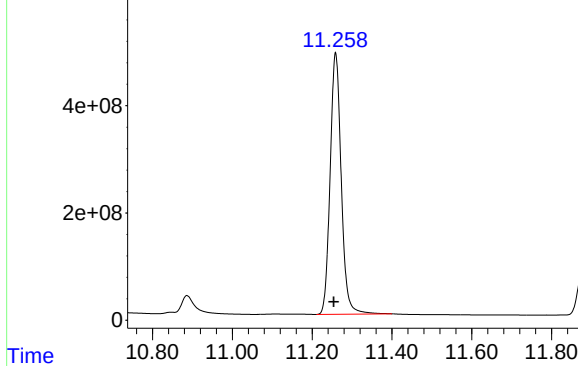
#14 DINOSEB



R.T.: 11.335 min
Delta R.T.: 0.000 min
Response: 13363003358
Conc: 695.99 ng/ml

Signal: PS032182.D\ECD2B.ch

#14 DINOSEB



R.T.: 11.259 min
Delta R.T.: 0.004 min
Response: 9400410408
Conc: 681.67 ng/ml

Response_

Signal: PS032182.D\ECD1A.ch

#15 Picloram

R.T.: 11.172 min

Delta R.T.: -0.003 min

Response: 14363604458

Conc: 762.74 ng/ml

Instrument :

ECD_S

ClientSampleId :

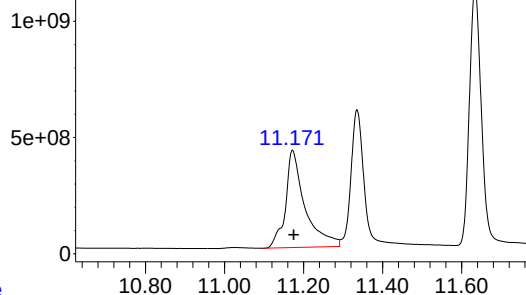
HSTDCCC750

Manual Integrations

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Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025



Time

Response_

Signal: PS032182.D\ECD2B.ch

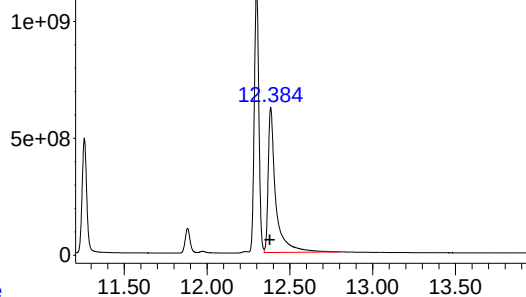
#15 Picloram

R.T.: 12.384 min

Delta R.T.: 0.006 min

Response: 19776410046

Conc: 680.32 ng/ml



Time

Response_

Signal: PS032182.D\ECD1A.ch

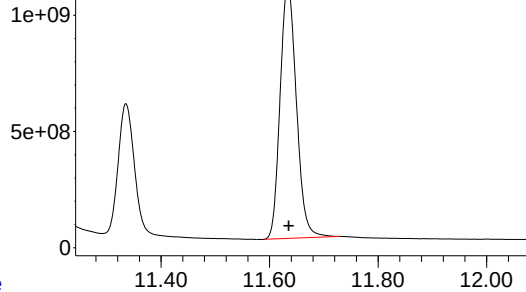
#16 DCPA

R.T.: 11.634 min

Delta R.T.: -0.002 min

Response: 22805554652

Conc: 711.77 ng/ml



Time

Response_

Signal: PS032182.D\ECD2B.ch

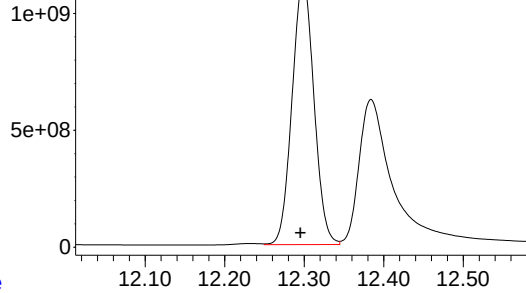
#16 DCPA

R.T.: 12.299 min

Delta R.T.: 0.004 min

Response: 21666385162

Conc: 695.78 ng/ml



Time



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/27/2025 10/27/2025

Continuing Calib Time: 04:08

Initial Calibration Time(s): 11:43 13:21

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.41	8.41	8.31	8.51	0.01
2,4,5-TP(Silvex)	9.27	9.27	9.17	9.37	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ROYF02**Lab Code:** ACE**SDG NO.:** Q3447**Continuing Calib Date:** 10/28/2025**Initial Calibration Date(s):** 10/27/2025 10/27/2025**Continuing Calib Time:** 04:08**Initial Calibration Time(s):** 11:43 13:21**GC Column:** RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.75	7.74	7.64	7.84	-0.01
2,4-D	9.01	9.00	8.90	9.10	-0.01
2,4,5-TP(Silvex)	9.89	9.88	9.78	9.98	-0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/27/2025 10/27/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/28/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032194.D **Time Analyzed:** 04:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.272	9.172	9.372	725.830	712.500	1.9
2,4-D	8.405	8.306	8.506	735.060	705.000	4.3
2,4-DCAA	7.275	7.175	7.375	757.020	750.000	0.9



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/27/2025 10/27/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/28/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032194.D **Time Analyzed:** 04:08

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.894	9.784	9.984	683.760	712.500	-4.0
2,4-D	9.005	8.895	9.095	673.090	705.000	-4.5
2,4-DCAA	7.747	7.638	7.838	713.260	750.000	-4.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
 Data File : PS032194.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 04:08
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 06:25:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.275	7.747	3273.1E6	780.0E6	757.022	713.263
Target Compounds							
1) T	Dalapon	2.659	2.692	4661.6E6	2398.4E6	646.439	652.088
2) T	3,5-DICHL...	6.443	6.701	4368.8E6	1236.3E6	690.942	656.927
3) T	4-Nitroph...	7.094	7.307	805.8E6	1012.2E6	742.616m	638.100
5) T	DICAMBA	7.457	7.941	12964.0E6	5477.7E6	701.760	670.794
6) T	MCPD	7.634	8.038	787.8E6	178.8E6	73.169	69.911
7) T	MCPA	7.784	8.285	966.4E6	240.7E6	74.216	68.742
8) T	DICHLORPROP	8.165	8.661	2977.1E6	1211.9E6	684.430	659.551
9) T	2,4-D	8.405	9.005	3045.7E6	1299.5E6	735.063	673.090
10) T	Pentachlo...	8.697	9.509	45786.1E6	35452.2E6	742.041	729.997
11) T	2,4,5-TP ...	9.272	9.894	17915.6E6	12924.2E6	725.826	683.755
12) T	2,4,5-T	9.571	10.324	16472.7E6	11159.6E6	790.796	691.988
13) T	2,4-DB	10.148	10.893	1847.3E6	850.4E6	802.704	616.330
14) T	DINOSEB	11.335	11.265	13433.1E6	9268.9E6	699.643	672.131
15) T	Picloram	11.175	12.392	14170.5E6	19402.3E6	752.485	667.455
16) T	DCPA	11.635	12.306	23086.4E6	21900.9E6	720.540	703.311

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 04:08
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

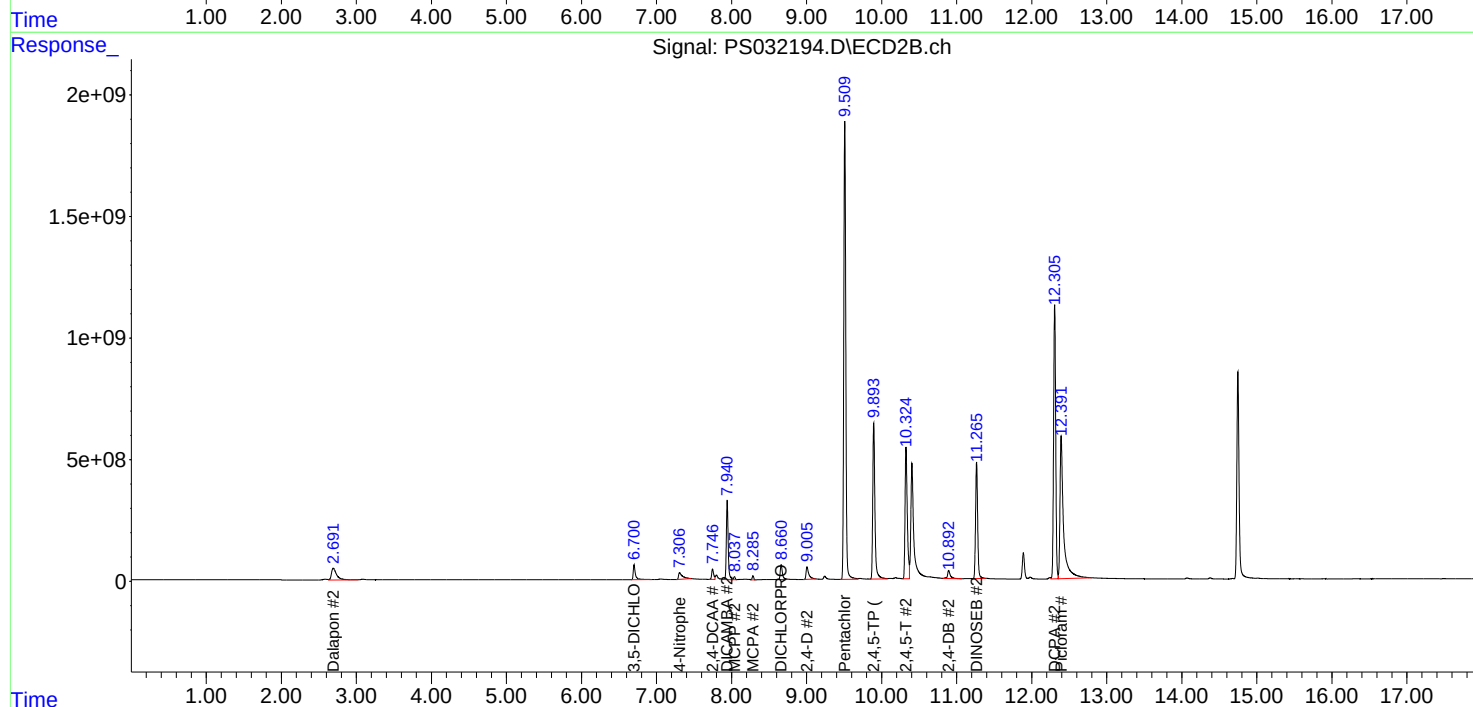
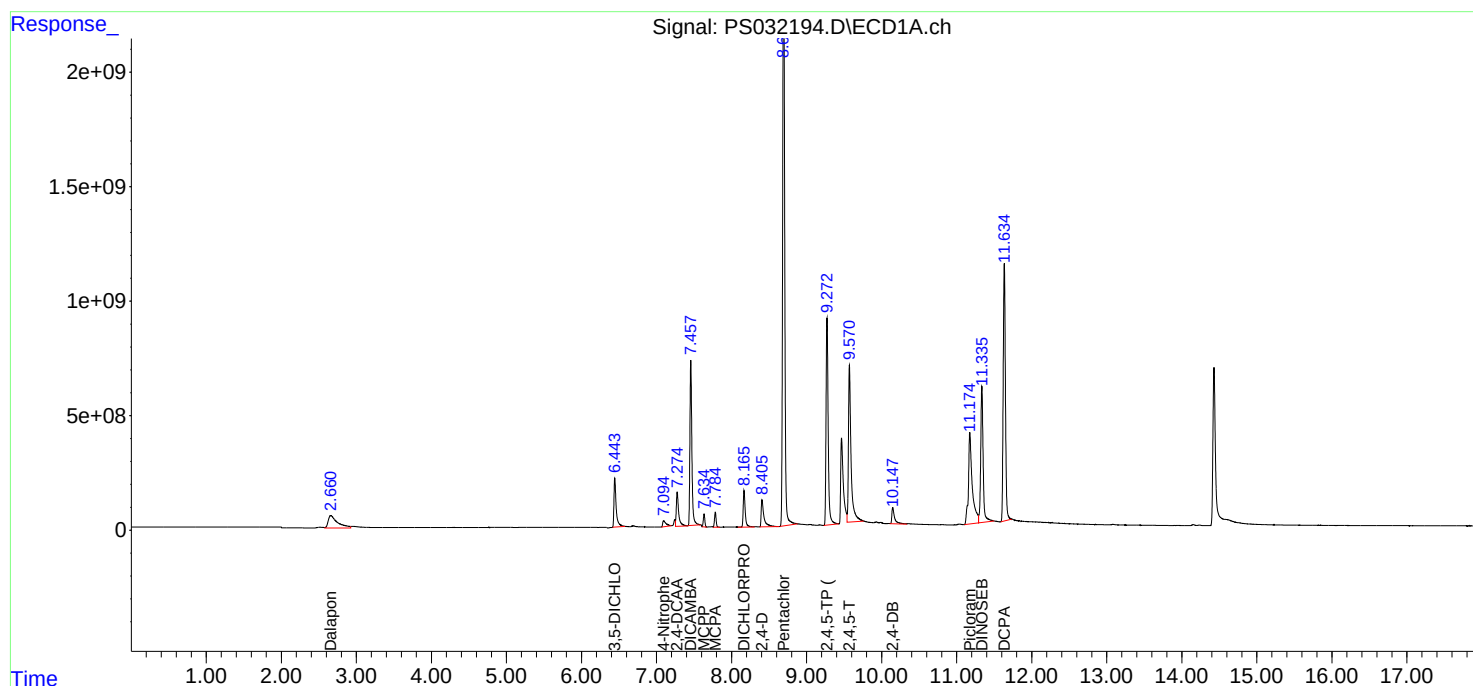
APPROVED

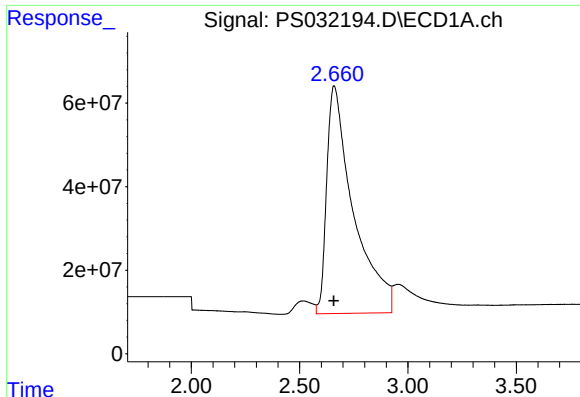
Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:25:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





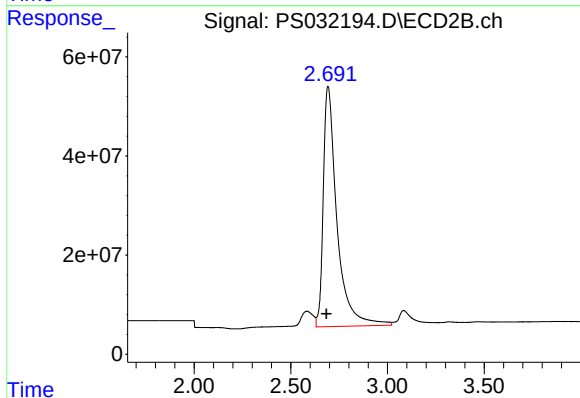
#1 Dalapon

R.T.: 2.659 min
Delta R.T.: 0.000 min
Response: 4661560162
Conc: 646.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

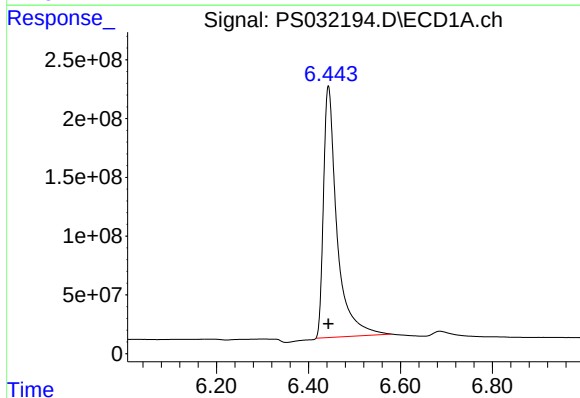
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



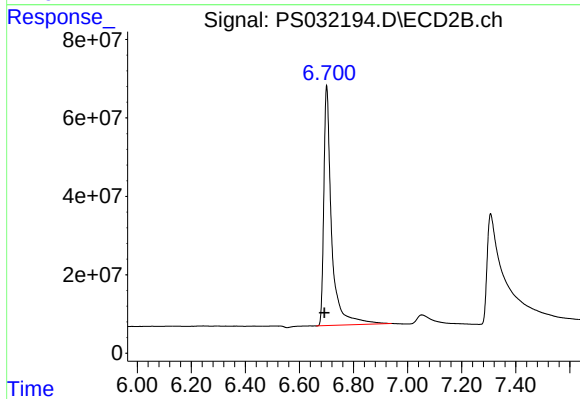
#1 Dalapon

R.T.: 2.692 min
Delta R.T.: 0.007 min
Response: 2398363175
Conc: 652.09 ng/ml



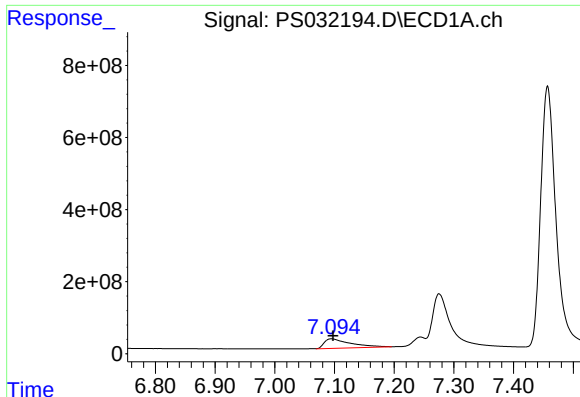
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.443 min
Delta R.T.: 0.000 min
Response: 4368769679
Conc: 690.94 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.701 min
Delta R.T.: 0.009 min
Response: 1236323317
Conc: 656.93 ng/ml



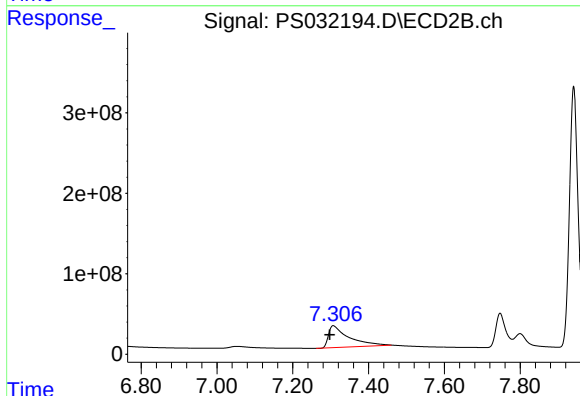
#3 4-Nitrophenol

R.T.: 7.094 min
Delta R.T.: -0.003 min
Response: 805774572
Conc: 742.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

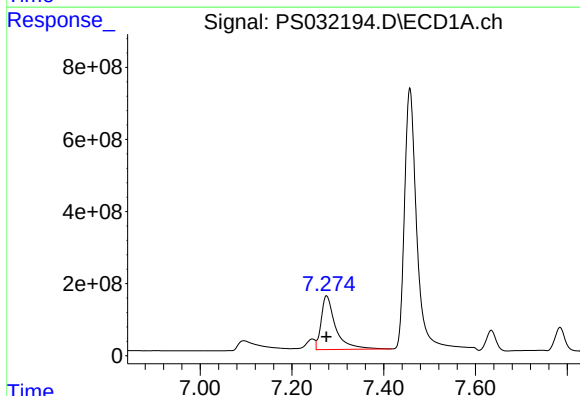
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



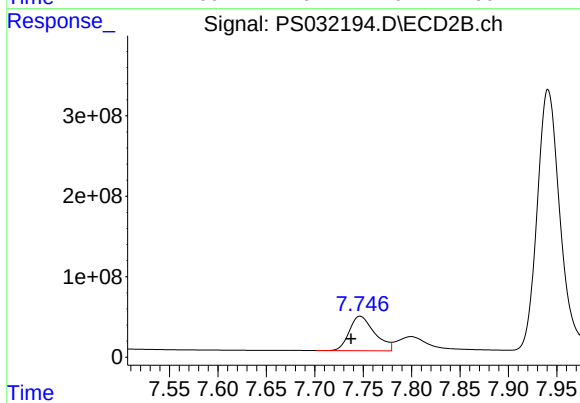
#3 4-Nitrophenol

R.T.: 7.307 min
Delta R.T.: 0.010 min
Response: 1012237345
Conc: 638.10 ng/ml



#4 2,4-DCAA

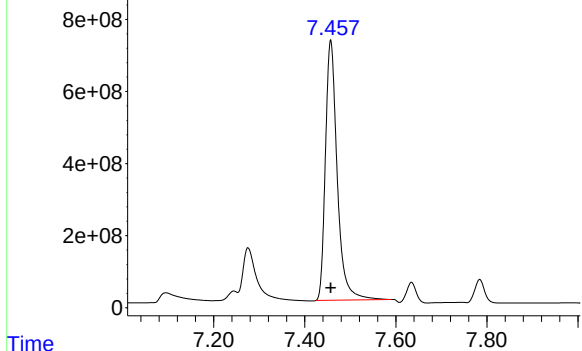
R.T.: 7.275 min
Delta R.T.: 0.000 min
Response: 3273108692
Conc: 757.02 ng/ml



#4 2,4-DCAA

R.T.: 7.747 min
Delta R.T.: 0.009 min
Response: 779977652
Conc: 713.26 ng/ml

Response_ Signal: PS032194.D\ECD1A.ch



#5 DICAMBA

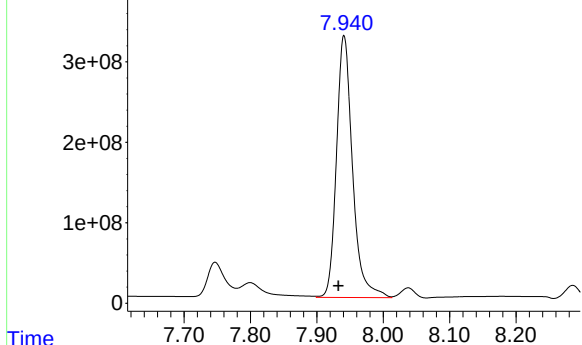
R.T.: 7.457 min
Delta R.T.: 0.000 min
Response: 12964033099
Conc: 701.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

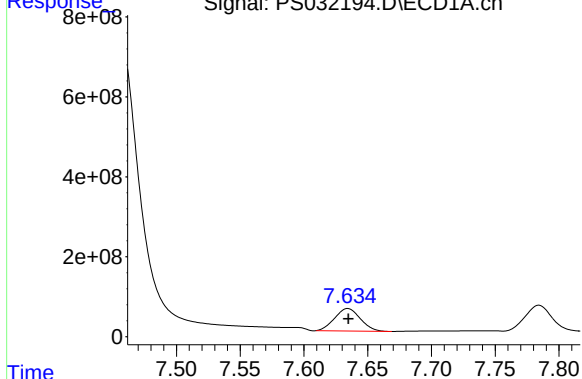
Time Response_ Signal: PS032194.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.941 min
Delta R.T.: 0.009 min
Response: 5477684006
Conc: 670.79 ng/ml

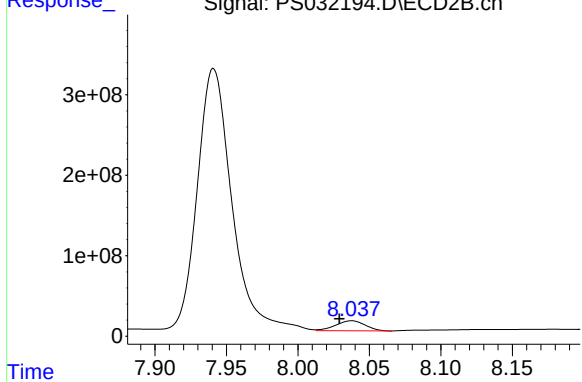
Time Response_ Signal: PS032194.D\ECD1A.ch



#6 MCPP

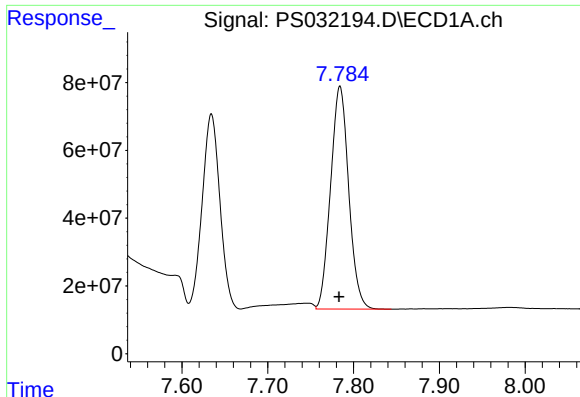
R.T.: 7.634 min
Delta R.T.: 0.000 min
Response: 787789095
Conc: 73.17 ug/ml

Time Response_ Signal: PS032194.D\ECD2B.ch



#6 MCPP

R.T.: 8.038 min
Delta R.T.: 0.009 min
Response: 178799473
Conc: 69.91 ug/ml



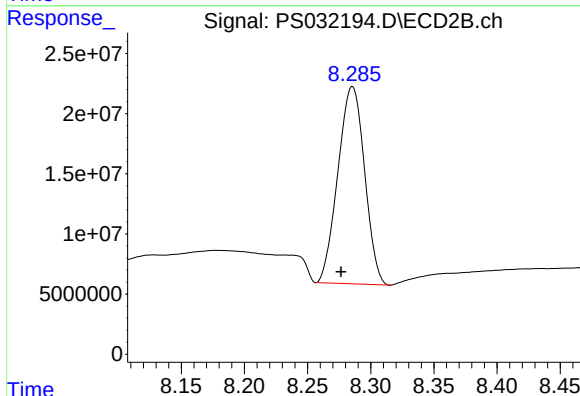
#7 MCPA

R.T.: 7.784 min
Delta R.T.: 0.000 min
Response: 966379453
Conc: 74.22 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

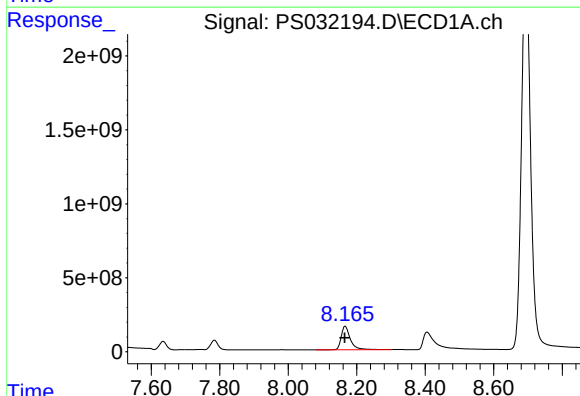
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



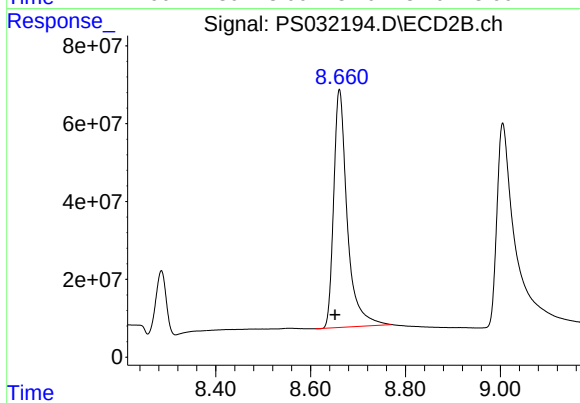
#7 MCPA

R.T.: 8.285 min
Delta R.T.: 0.009 min
Response: 240719482
Conc: 68.74 ug/ml



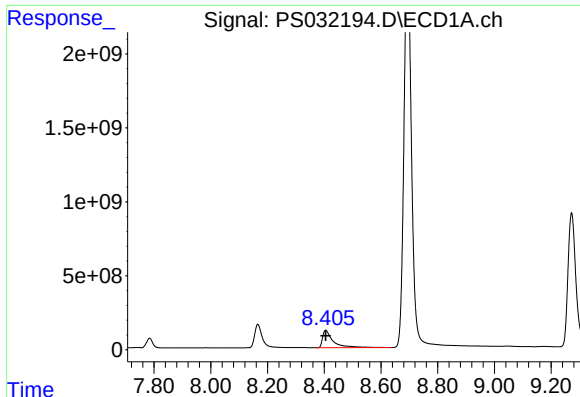
#8 DICHLORPROP

R.T.: 8.165 min
Delta R.T.: 0.000 min
Response: 2977116104
Conc: 684.43 ng/ml



#8 DICHLORPROP

R.T.: 8.661 min
Delta R.T.: 0.009 min
Response: 1211863559
Conc: 659.55 ng/ml



#9 2,4-D

R.T.: 8.405 min
Delta R.T.: 0.000 min
Response: 3045653636
Conc: 735.06 ng/ml

Instrument :

ECD_S

ClientSampleId :

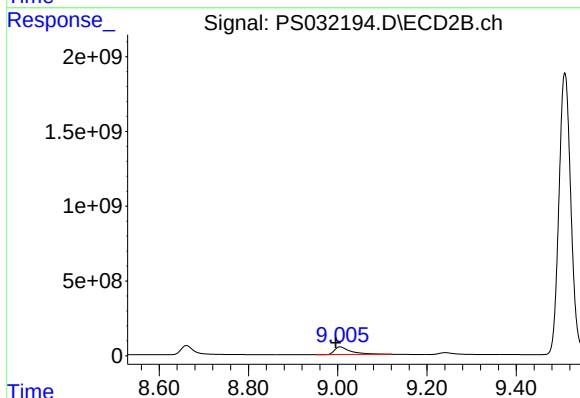
HSTDCCC750

Manual Integrations

APPROVED

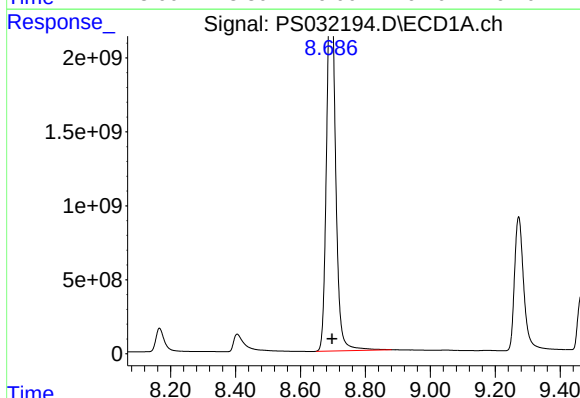
Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025



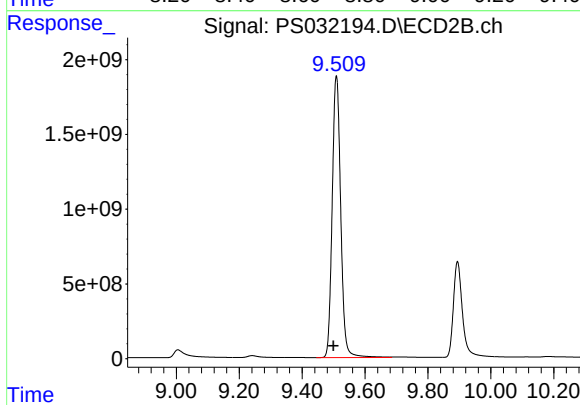
#9 2,4-D

R.T.: 9.005 min
Delta R.T.: 0.010 min
Response: 1299523875
Conc: 673.09 ng/ml



#10 Pentachlorophenol

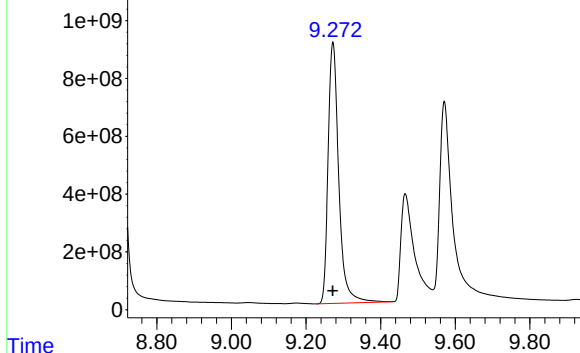
R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 45786139374
Conc: 742.04 ng/ml



#10 Pentachlorophenol

R.T.: 9.509 min
Delta R.T.: 0.010 min
Response: 35452192866
Conc: 730.00 ng/ml

Response_ Signal: PS032194.D\ECD1A.ch



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

R.T.: 9.272 min
Delta R.T.: 0.000 min
Response: 17915616916
Conc: 725.83 ng/ml

Instrument :

ECD_S

ClientSampleId :

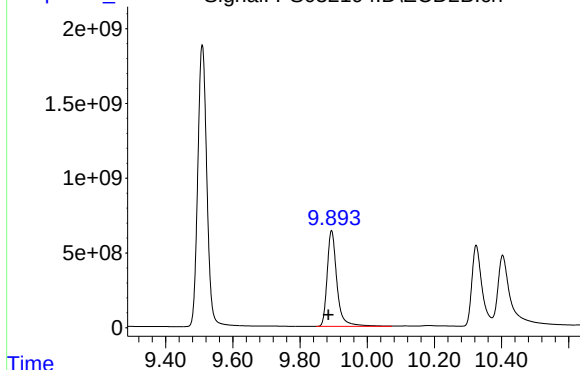
HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

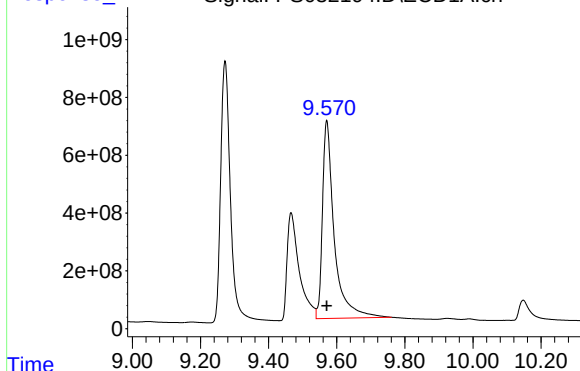
Time Response_ Signal: PS032194.D\ECD2B.ch



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

R.T.: 9.894 min
Delta R.T.: 0.010 min
Response: 12924207416
Conc: 683.76 ng/ml

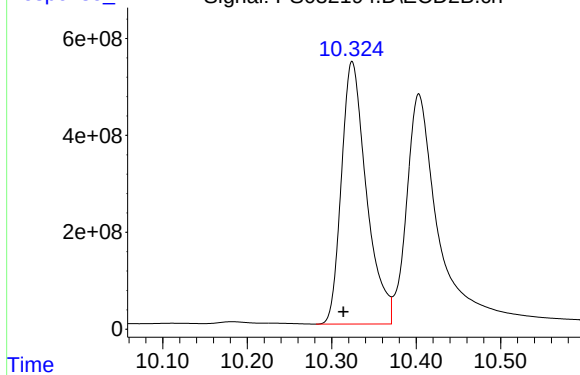
Time Response_ Signal: PS032194.D\ECD1A.ch



#12 2,4,5-T

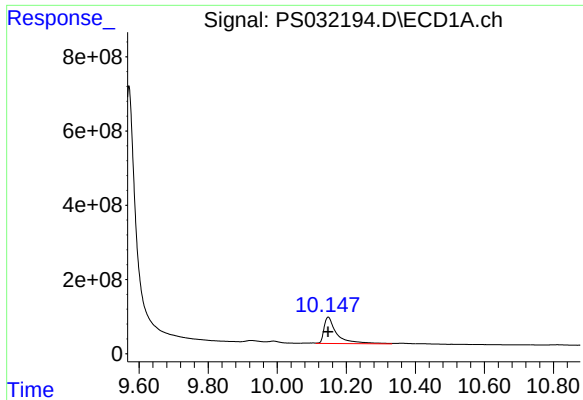
R.T.: 9.571 min
Delta R.T.: 0.000 min
Response: 16472730287
Conc: 790.80 ng/ml

Time Response_ Signal: PS032194.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.324 min
Delta R.T.: 0.010 min
Response: 11159553320
Conc: 691.99 ng/ml



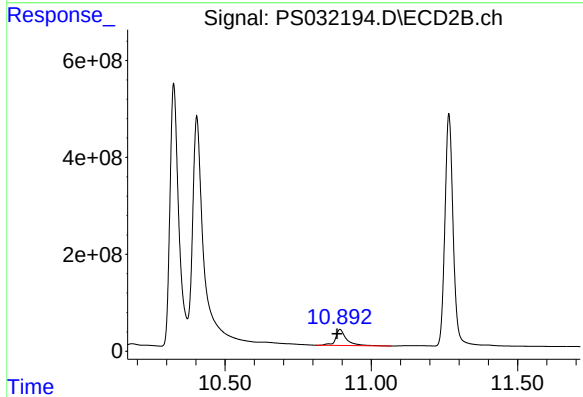
#13 2,4-DB

R.T.: 10.148 min
Delta R.T.: 0.000 min
Response: 1847264962
Conc: 802.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

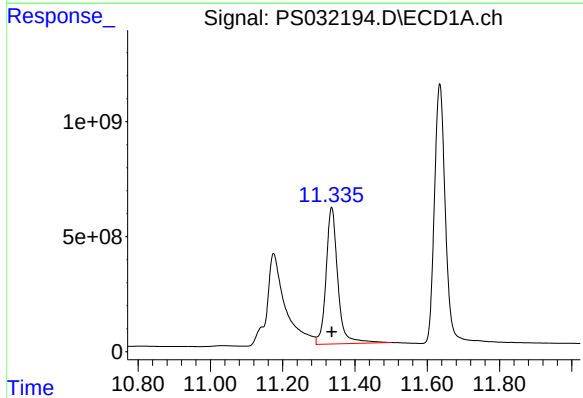
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



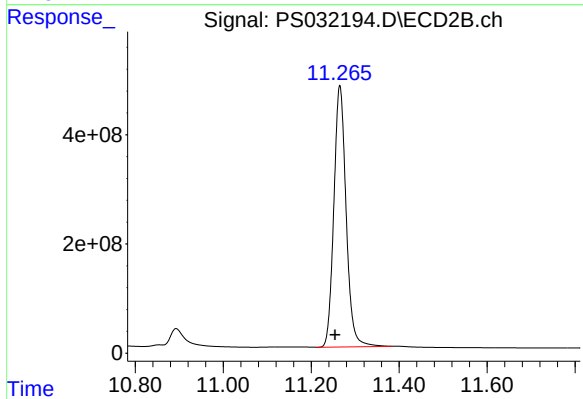
#13 2,4-DB

R.T.: 10.893 min
Delta R.T.: 0.010 min
Response: 850412446
Conc: 616.33 ng/ml



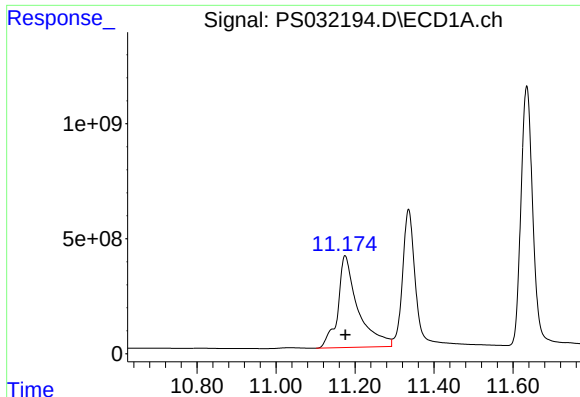
#14 DINOSEB

R.T.: 11.335 min
Delta R.T.: 0.000 min
Response: 13433053807
Conc: 699.64 ng/ml



#14 DINOSEB

R.T.: 11.265 min
Delta R.T.: 0.011 min
Response: 9268871148
Conc: 672.13 ng/ml



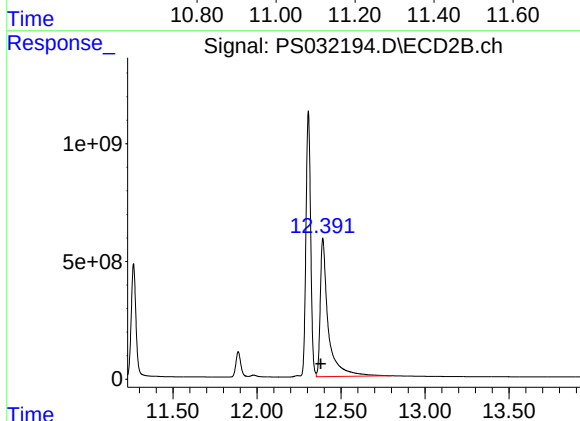
#15 Picloram

R.T.: 11.175 min
Delta R.T.: 0.000 min
Response: 14170541154
Conc: 752.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

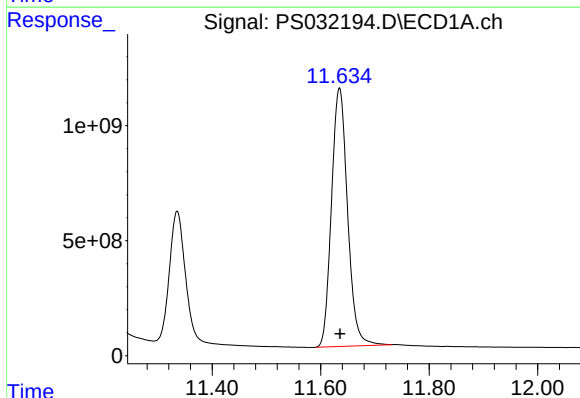
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



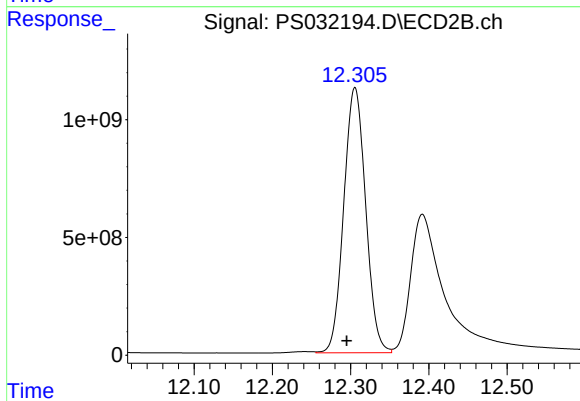
#15 Picloram

R.T.: 12.392 min
Delta R.T.: 0.013 min
Response: 19402344870
Conc: 667.46 ng/ml



#16 DCPA

R.T.: 11.635 min
Delta R.T.: 0.000 min
Response: 23086402480
Conc: 720.54 ng/ml



#16 DCPA

R.T.: 12.306 min
Delta R.T.: 0.010 min
Response: 21900859364
Conc: 703.31 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/27/2025 10/27/2025

Continuing Calib Time: 09:42

Initial Calibration Time(s): 11:43 13:21

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.27	7.28	7.18	7.38	0.01
2,4-D	8.40	8.41	8.31	8.51	0.01
2,4,5-TP(Silvex)	9.27	9.27	9.17	9.37	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/27/2025 10/27/2025

Continuing Calib Time: 09:42

Initial Calibration Time(s): 11:43 13:21

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.75	7.74	7.64	7.84	-0.01
2,4-D	9.01	9.00	8.90	9.10	-0.01
2,4,5-TP(Silvex)	9.90	9.88	9.78	9.98	-0.02



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/27/2025 10/27/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/28/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032203.D **Time Analyzed:** 09:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.270	9.172	9.372	758.490	712.500	6.5
2,4-D	8.404	8.306	8.506	762.890	705.000	8.2
2,4-DCAA	7.274	7.175	7.375	789.370	750.000	5.2



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/27/2025 10/27/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/28/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032203.D **Time Analyzed:** 09:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.898	9.784	9.984	716.640	712.500	0.6
2,4-D	9.009	8.895	9.095	682.430	705.000	-3.2
2,4-DCAA	7.750	7.638	7.838	731.090	750.000	-2.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
 Data File : PS032203.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 09:42
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Rahul Chavli 11/04/2025

Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 04 08:33:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Nov 04 08:33:29 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.274	7.750	3413.0E6	799.5E6	789.367	731.087
Target Compounds							
1) T	Dalapon	2.655	2.695	4859.4E6	2475.5E6	673.879	673.070
2) T	3,5-DICHL...	6.442	6.704	4569.3E6	1272.7E6	722.656	676.232
3) T	4-Nitroph...	7.093	7.310	829.8E6	1060.7E6	764.721m	668.646
5) T	DICAMBA	7.456	7.944	13577.8E6	5694.2E6	734.986	697.313
6) T	MCPD	7.633	8.041	832.8E6	185.8E6	77.349	72.643
7) T	MCPA	7.782	8.289	1020.8E6	249.6E6	78.396	71.292
8) T	DICHLORPROP	8.163	8.665	3113.9E6	1244.5E6	715.871	677.296
9) T	2,4-D	8.404	9.009	3160.9E6	1317.6E6	762.889	682.431
10) T	Pentachlo...	8.697	9.513	46877.9E6	37186.2E6	759.735	765.703
11) T	2,4,5-TP ...	9.270	9.898	18721.9E6	13545.8E6	758.491	716.643
12) T	2,4,5-T	9.569	10.328	17243.3E6	11635.7E6	827.787	721.515
13) T	2,4-DB	10.145	10.897	1865.3E6	861.5E6	810.544	624.385
14) T	DINOSEB	11.334	11.268	14487.5E6	10080.9E6	754.563	731.012
15) T	Picloram	11.174	12.395	14002.8E6	20911.4E6	743.579	719.368
16) T	DCPA	11.633	12.309	24244.7E6	23096.3E6	756.690	741.701

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 09:42
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

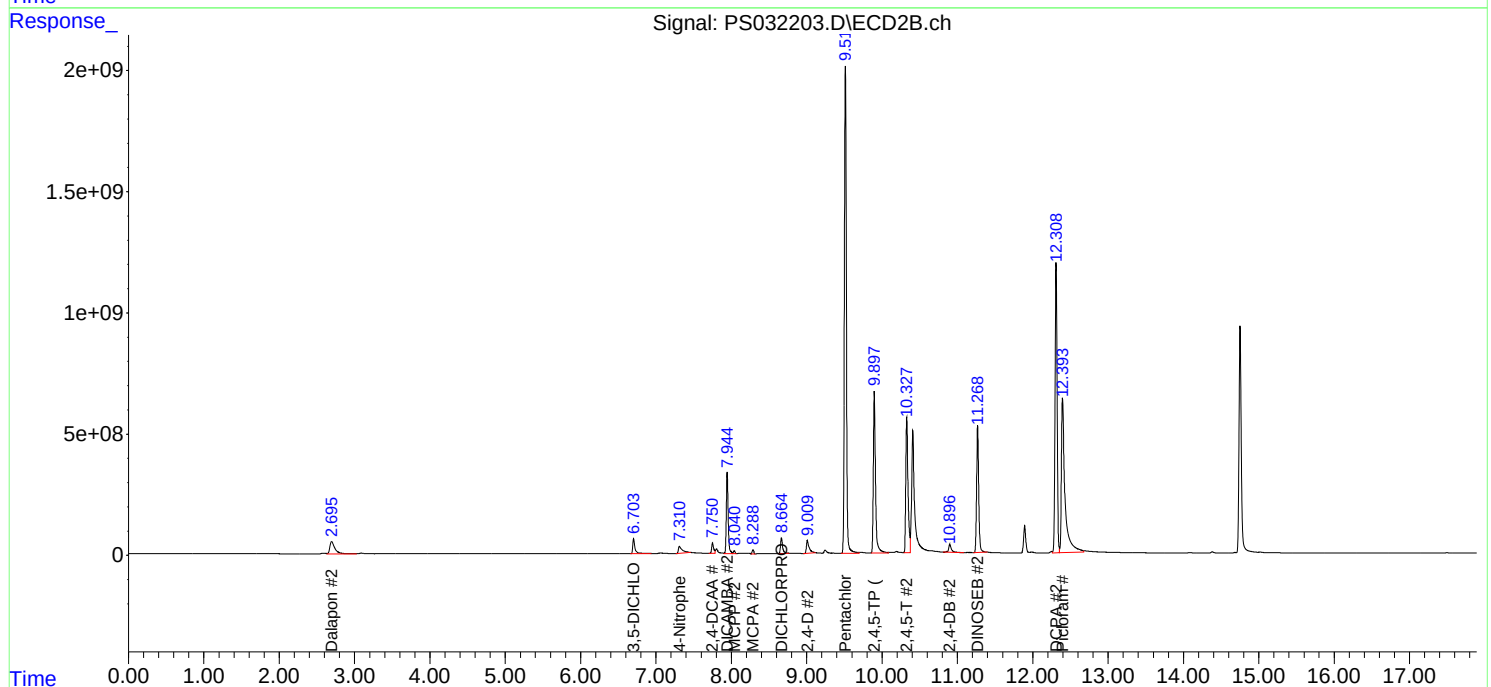
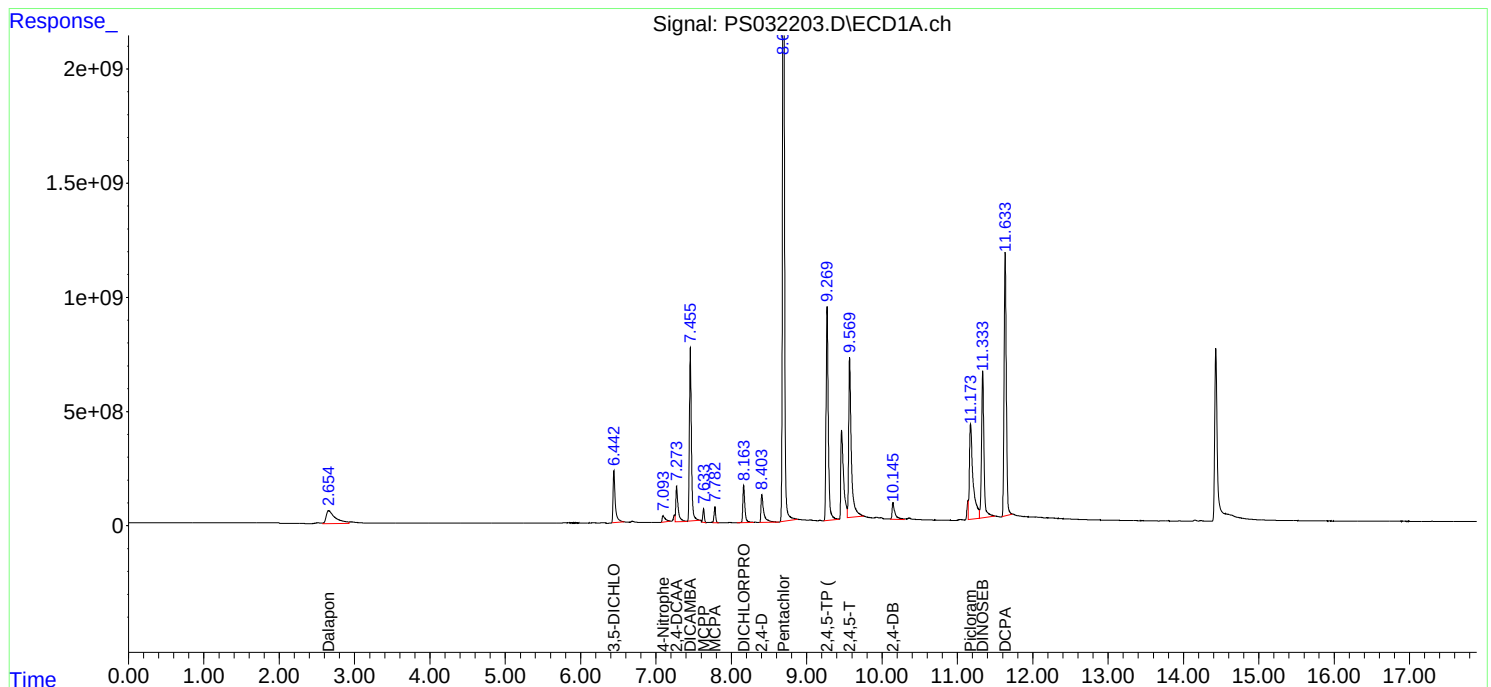
APPROVED

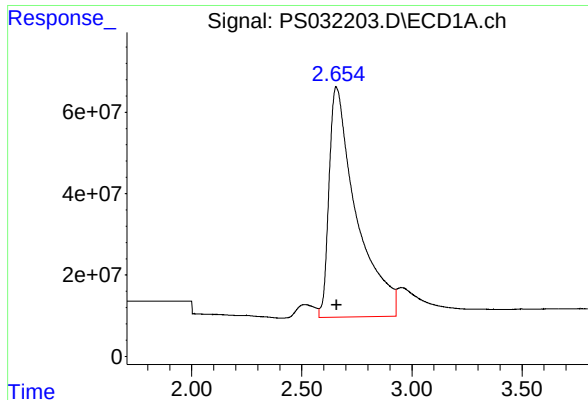
Reviewed By :Rahul Chavli 11/04/2025

Supervised By :Yogesh Patel 11/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 08:33:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Nov 04 08:33:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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





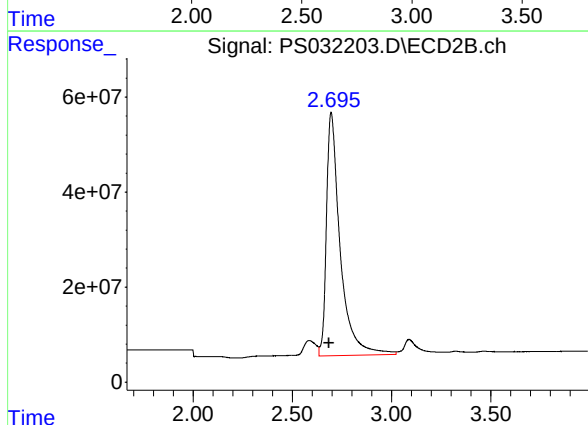
#1 Dalapon

R.T.: 2.655 min
Delta R.T.: -0.003 min
Response: 4859430214
Conc: 673.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

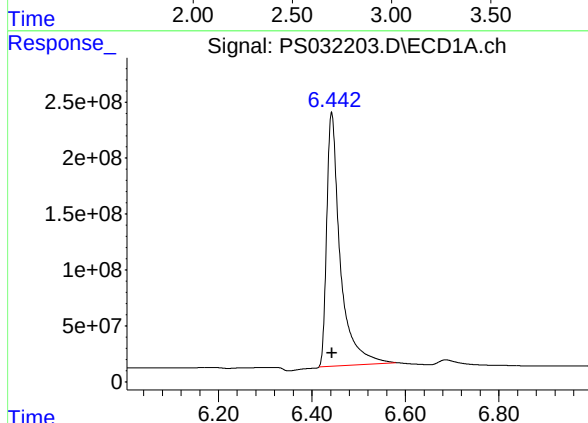
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025



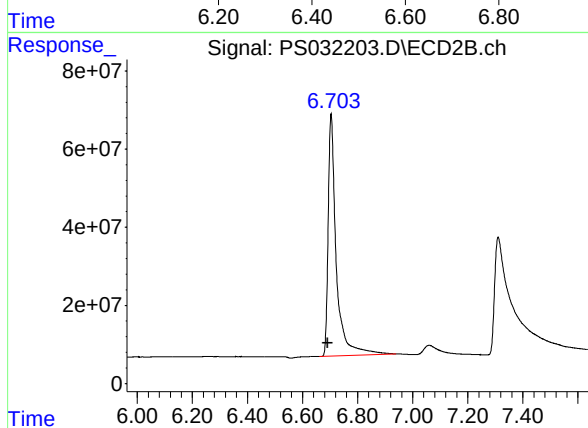
#1 Dalapon

R.T.: 2.695 min
Delta R.T.: 0.010 min
Response: 2475534093
Conc: 673.07 ng/ml



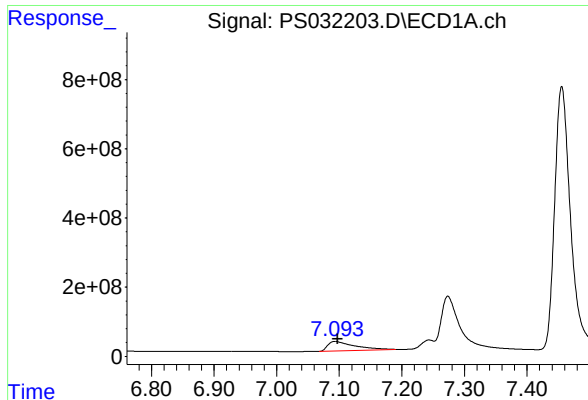
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 4569296237
Conc: 722.66 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.704 min
Delta R.T.: 0.012 min
Response: 1272655721
Conc: 676.23 ng/ml



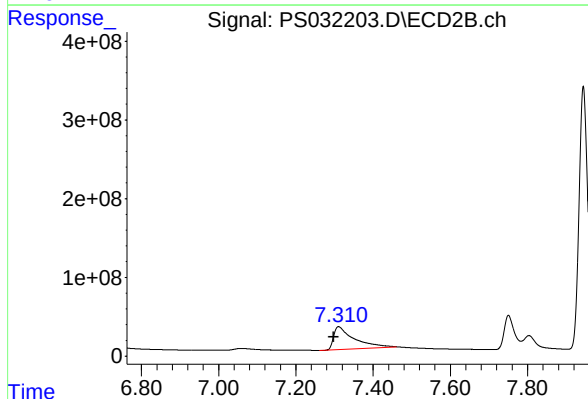
#3 4-Nitrophenol

R.T.: 7.093 min
Delta R.T.: -0.005 min
Response: 829760225
Conc: 764.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

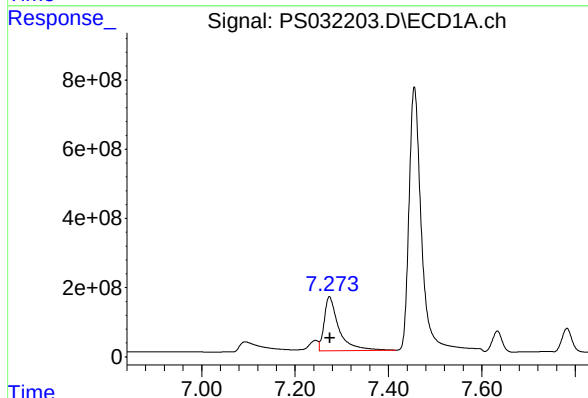
**Manual Integrations
APPROVED**

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025



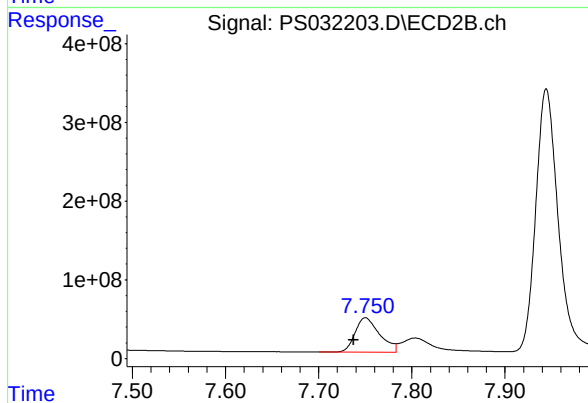
#3 4-Nitrophenol

R.T.: 7.310 min
Delta R.T.: 0.013 min
Response: 1060693485
Conc: 668.65 ng/ml



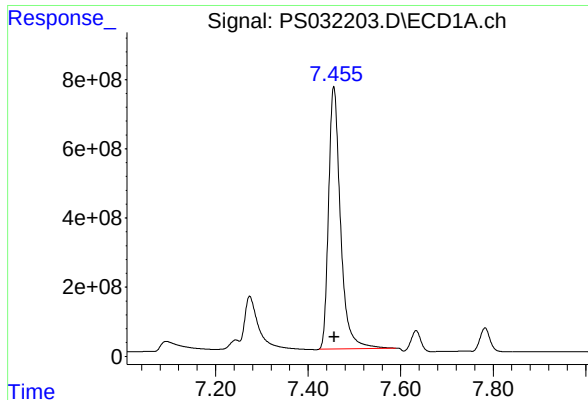
#4 2,4-DCAA

R.T.: 7.274 min
Delta R.T.: -0.002 min
Response: 3412956261
Conc: 789.37 ng/ml



#4 2,4-DCAA

R.T.: 7.750 min
Delta R.T.: 0.013 min
Response: 799469062
Conc: 731.09 ng/ml



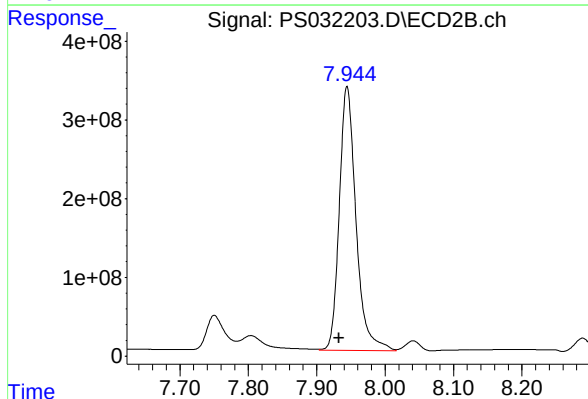
#5 DICAMBA

R.T.: 7.456 min
Delta R.T.: -0.002 min
Response: 13577831410
Conc: 734.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

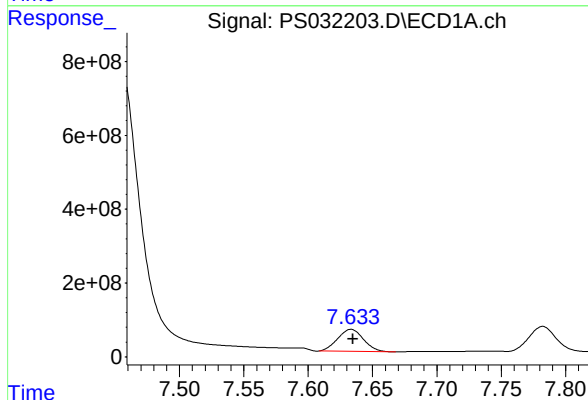
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025



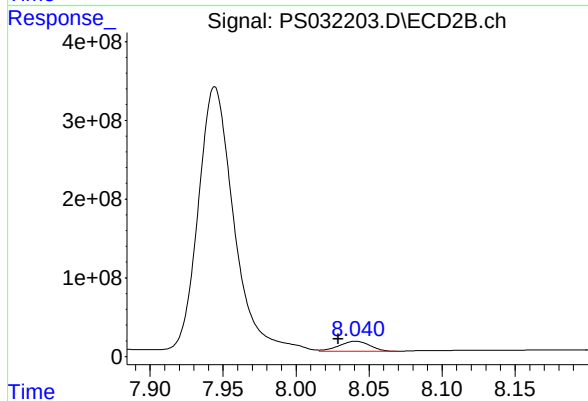
#5 DICAMBA

R.T.: 7.944 min
Delta R.T.: 0.012 min
Response: 5694235603
Conc: 697.31 ng/ml



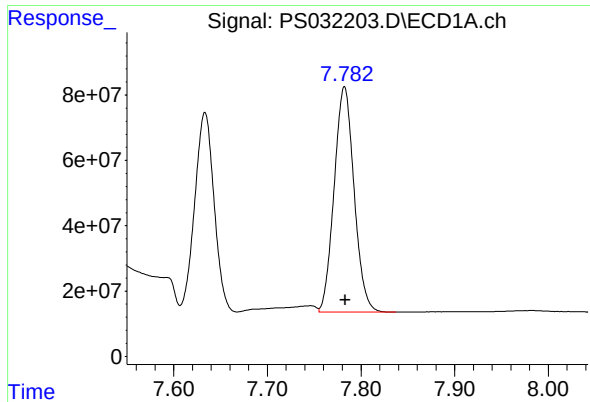
#6 MCPP

R.T.: 7.633 min
Delta R.T.: -0.001 min
Response: 832794559
Conc: 77.35 ug/ml



#6 MCPP

R.T.: 8.041 min
Delta R.T.: 0.012 min
Response: 185787265
Conc: 72.64 ug/ml



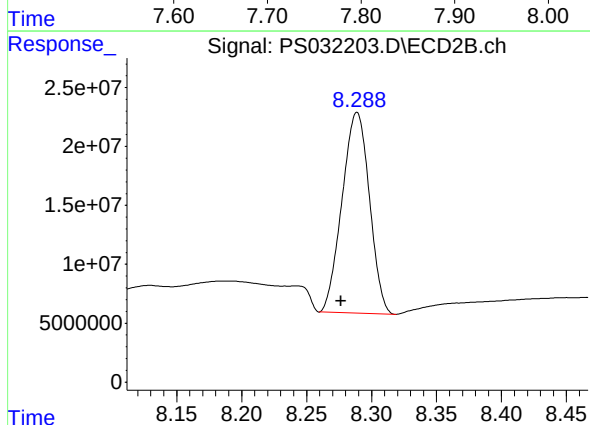
#7 MCPA

R.T.: 7.782 min
Delta R.T.: 0.000 min
Response: 1020809077
Conc: 78.40 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

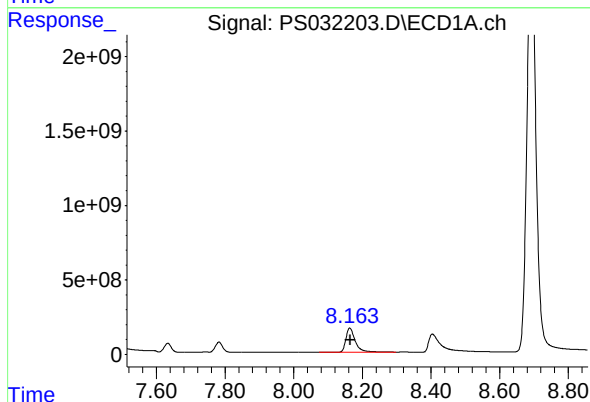
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025



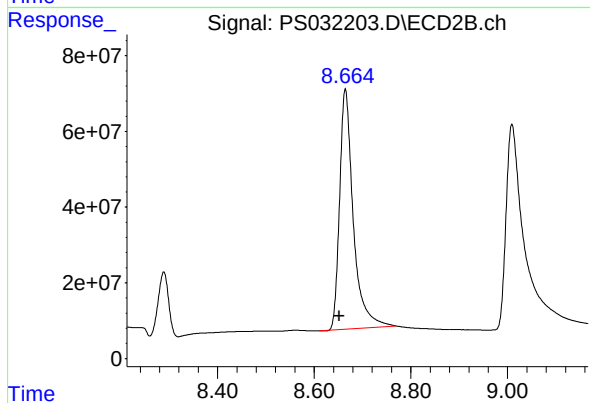
#7 MCPA

R.T.: 8.289 min
Delta R.T.: 0.012 min
Response: 249648860
Conc: 71.29 ug/ml



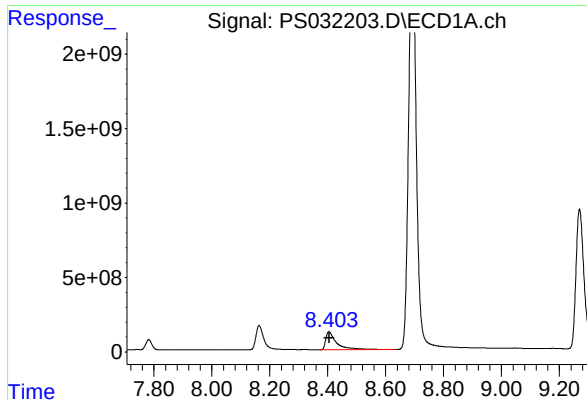
#8 DICHLORPROP

R.T.: 8.163 min
Delta R.T.: -0.002 min
Response: 3113876820
Conc: 715.87 ng/ml



#8 DICHLORPROP

R.T.: 8.665 min
Delta R.T.: 0.013 min
Response: 1244467011
Conc: 677.30 ng/ml



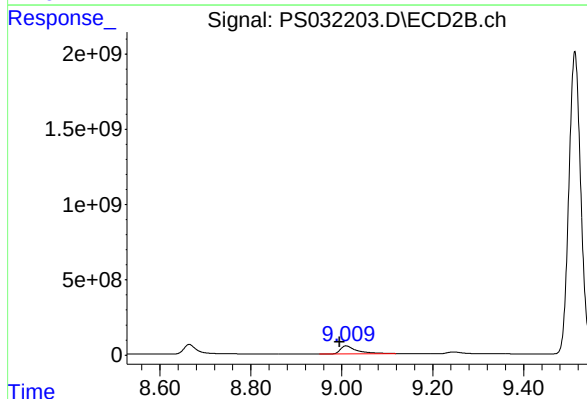
#9 2,4-D

R.T.: 8.404 min
Delta R.T.: -0.002 min
Response: 3160946188
Conc: 762.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

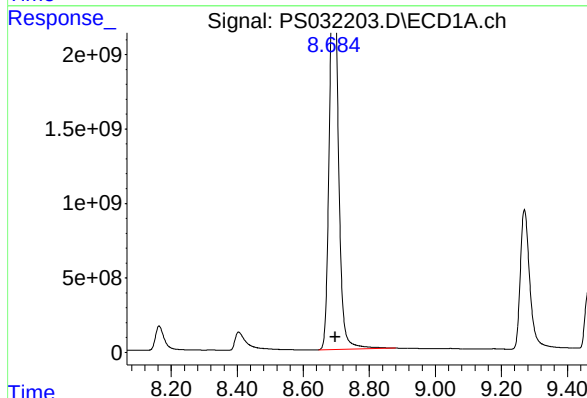
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025



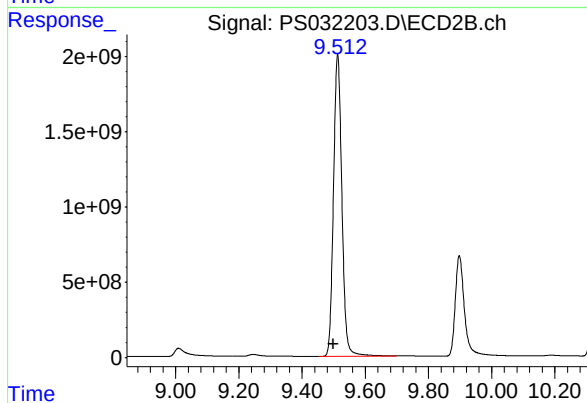
#9 2,4-D

R.T.: 9.009 min
Delta R.T.: 0.014 min
Response: 1317559279
Conc: 682.43 ng/ml



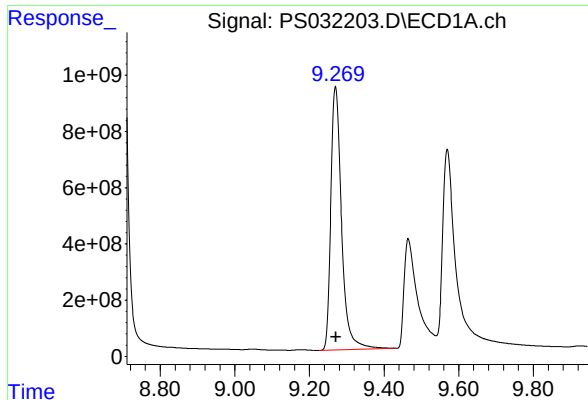
#10 Pentachlorophenol

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 46877934256
Conc: 759.74 ng/ml



#10 Pentachlorophenol

R.T.: 9.513 min
Delta R.T.: 0.014 min
Response: 37186245057
Conc: 765.70 ng/ml



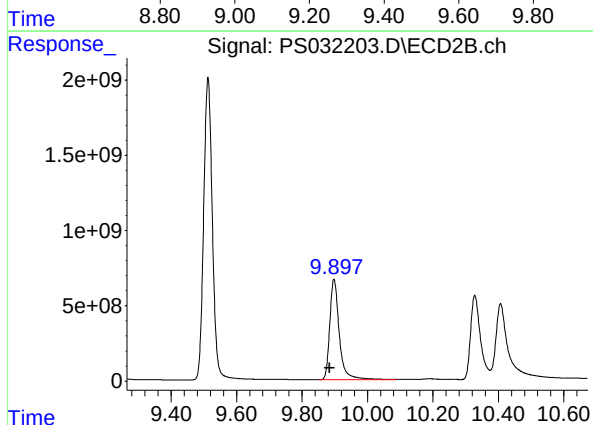
#11 2,4,5-TP (SILVEX)

R.T.: 9.270 min
Delta R.T.: -0.002 min
Response: 18721887231
Conc: 758.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

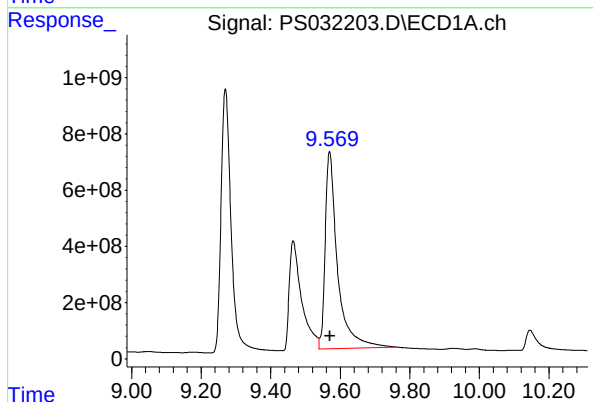
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025



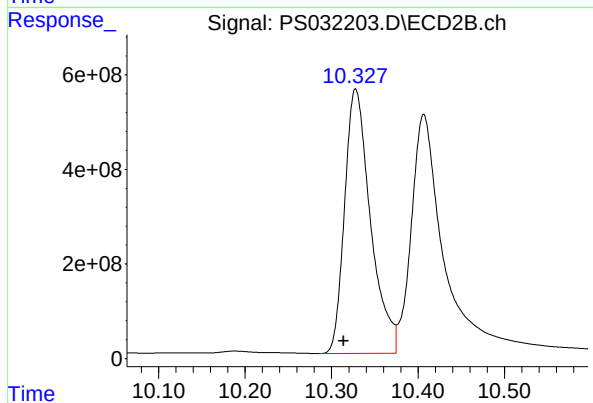
#11 2,4,5-TP (SILVEX)

R.T.: 9.898 min
Delta R.T.: 0.014 min
Response: 13545846720
Conc: 716.64 ng/ml



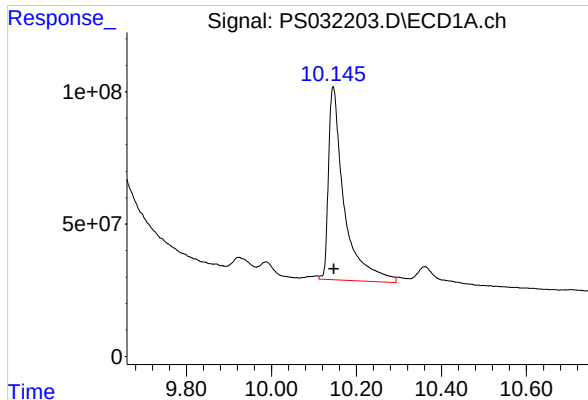
#12 2,4,5-T

R.T.: 9.569 min
Delta R.T.: -0.001 min
Response: 17243276939
Conc: 827.79 ng/ml



#12 2,4,5-T

R.T.: 10.328 min
Delta R.T.: 0.014 min
Response: 11635729661
Conc: 721.52 ng/ml



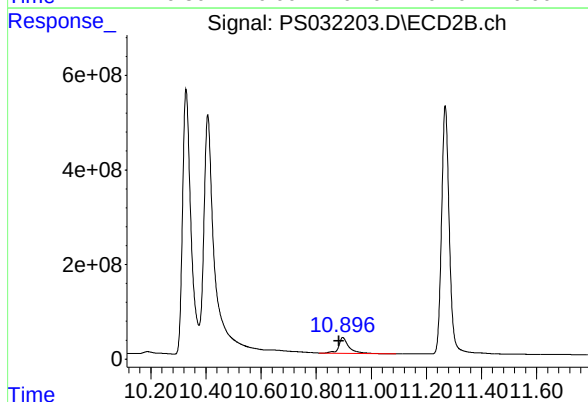
#13 2,4-DB

R.T.: 10.145 min
Delta R.T.: -0.002 min
Response: 1865307961
Conc: 810.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

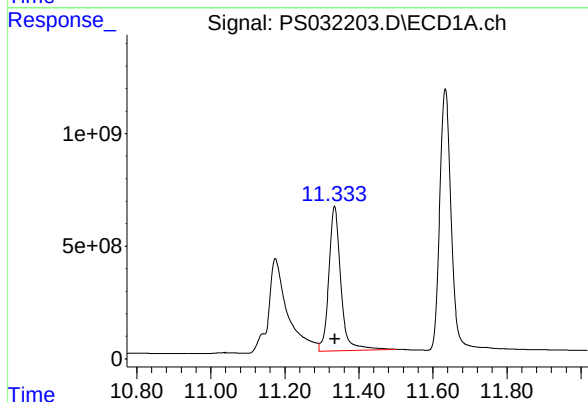
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025



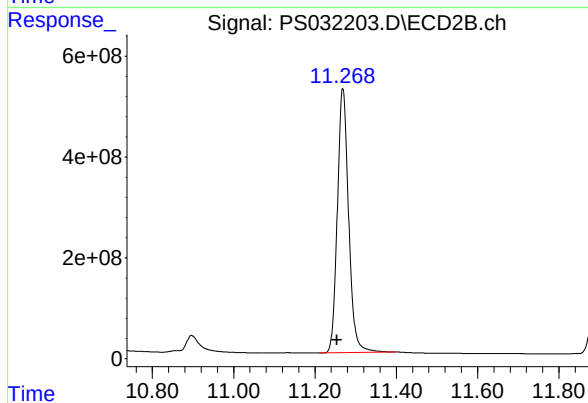
#13 2,4-DB

R.T.: 10.897 min
Delta R.T.: 0.014 min
Response: 861525870
Conc: 624.38 ng/ml



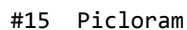
#14 DINOSEB

R.T.: 11.334 min
Delta R.T.: -0.002 min
Response: 14487513772
Conc: 754.56 ng/ml



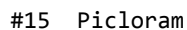
#14 DINOSEB

R.T.: 11.268 min
Delta R.T.: 0.014 min
Response: 10080857260
Conc: 731.01 ng/ml



Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025



#16 DCPA

#16 DCPA

R.T.: 12.309 min
Delta R.T.: 0.013 min
Response: 23096308629
Conc: 741.70 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/27/2025 10/27/2025

Continuing Calib Time: 11:37

Initial Calibration Time(s): 11:43 13:21

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.41	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.27	9.27	9.17	9.37	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Continuing Calib Date: 10/28/2025

Initial Calibration Date(s): 10/27/2025 10/27/2025

Continuing Calib Time: 11:37

Initial Calibration Time(s): 11:43 13:21

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.75	7.74	7.64	7.84	-0.01
2,4-D	9.01	9.00	8.90	9.10	-0.01
2,4,5-TP(Silvex)	9.90	9.88	9.78	9.98	-0.02



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/27/2025 10/27/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/28/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032206.D **Time Analyzed:** 11:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.271	9.172	9.372	761.390	712.500	6.9
2,4-D	8.406	8.306	8.506	761.890	705.000	8.1
2,4-DCAA	7.275	7.175	7.375	740.530	750.000	-1.3



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/27/2025 10/27/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/28/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032206.D **Time Analyzed:** 11:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.898	9.784	9.984	714.830	712.500	0.3
2,4-D	9.010	8.895	9.095	672.390	705.000	-4.6
2,4-DCAA	7.751	7.638	7.838	716.930	750.000	-4.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102825\
 Data File : PS032206.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 11:37
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/29/2025

Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 13:00:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.275	7.751	3201.8E6	784.0E6	740.530m	716.934
Target Compounds							
1) T	Dalapon	2.658	2.694	4942.8E6	2521.1E6	685.434	685.469
2) T	3,5-DICHL...	6.443	6.704	4594.6E6	1257.2E6	726.663	668.025
3) T	4-Nitroph...	7.097	7.312	773.2E6	1048.7E6	712.597m	661.068
5) T	DICAMBA	7.457	7.945	13580.1E6	5635.6E6	735.109	690.134
6) T	MCPD	7.634	8.041	837.6E6	182.2E6	77.794	71.232
7) T	MCPA	7.783	8.289	1023.7E6	244.0E6	78.617	69.682
8) T	DICHLORPROP	8.165	8.665	3127.9E6	1233.6E6	719.095	671.369
9) T	2,4-D	8.406	9.010	3156.8E6	1298.2E6	761.889	672.388
10) T	Pentachlo...	8.695	9.513	47312.1E6	37178.4E6	766.771	765.542
11) T	2,4,5-TP ...	9.271	9.898	18793.4E6	13511.6E6	761.390	714.833
12) T	2,4,5-T	9.570	10.329	14972.3E6	11485.9E6	718.765m	712.222
13) T	2,4-DB	10.147	10.898	1897.3E6	845.0E6	824.449	612.410 #
14) T	DINOSEB	11.335	11.269	14488.8E6	10034.9E6	754.630	727.677
15) T	Picloram	11.177	12.397	14474.0E6	20353.6E6	785.770	700.180
16) T	DCPA	11.634	12.309	24262.4E6	23347.4E6	757.245	749.764

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102825\
Data File : PS032206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 11:37
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

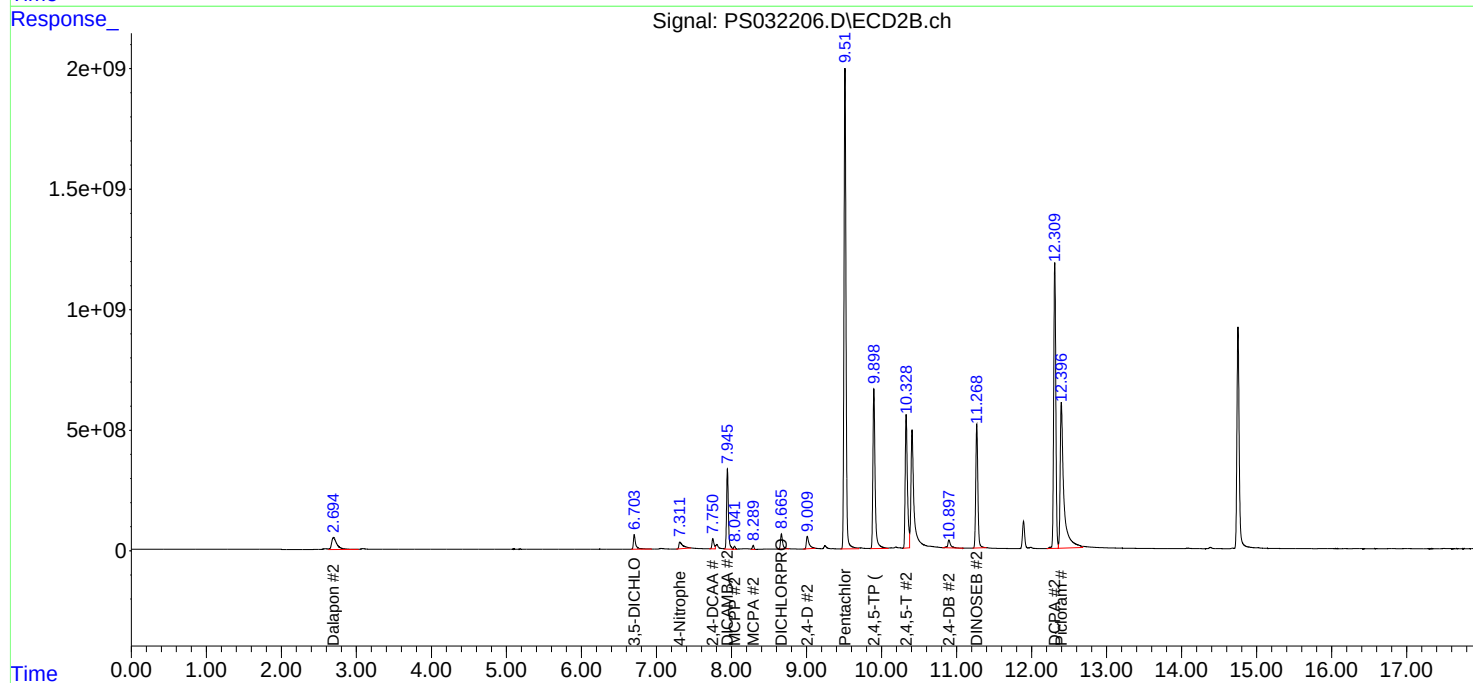
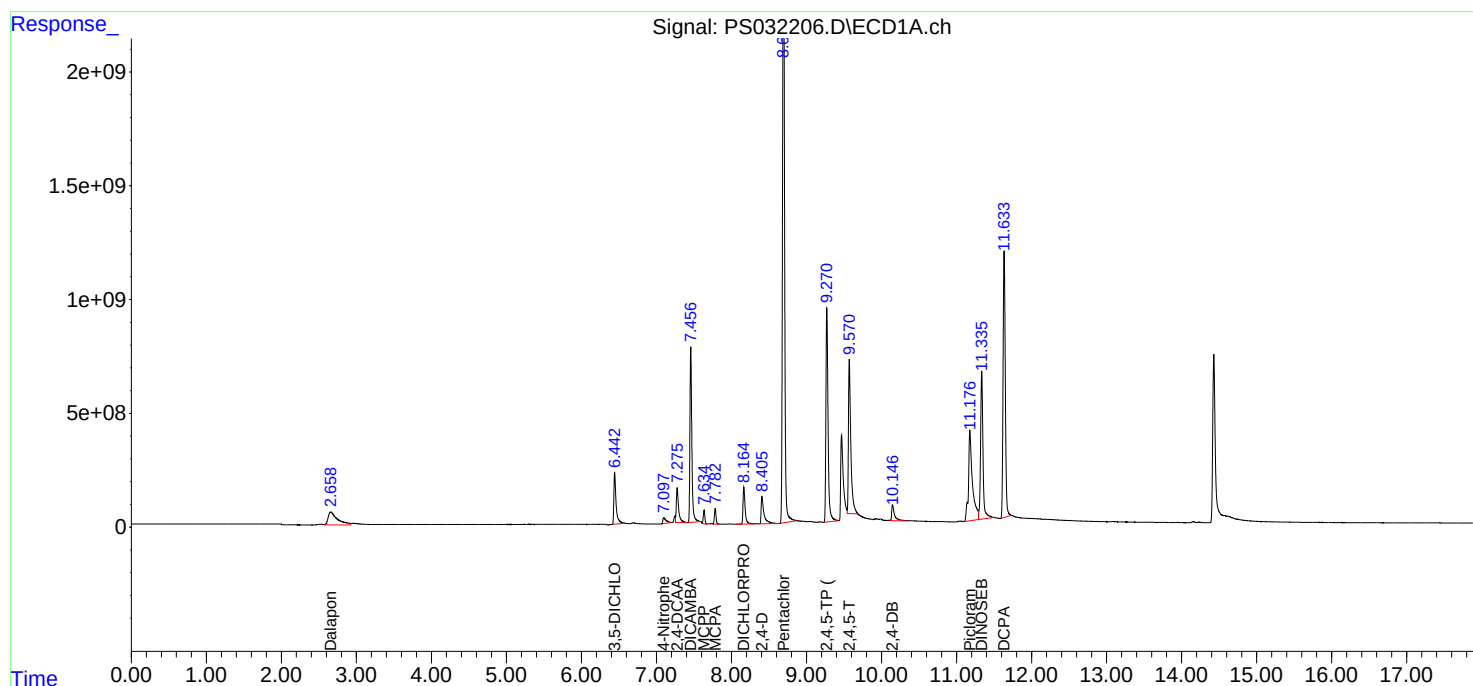
Manual Integrations

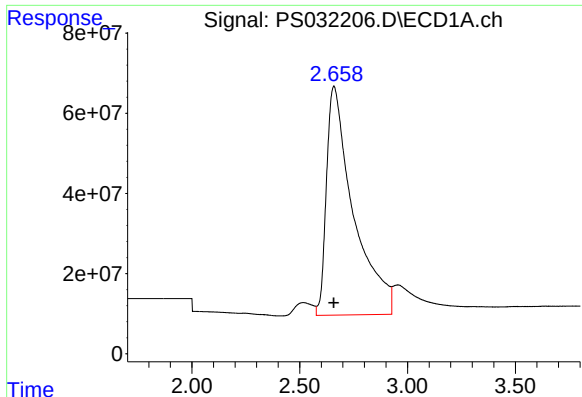
APPROVED

Reviewed By : Abdul Mirza 10/29/2025
Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 13:00:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





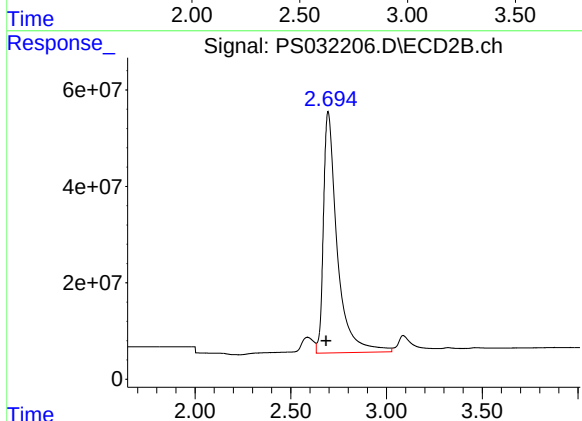
#1 Dalapon

R.T.: 2.658 min
Delta R.T.: 0.000 min
Response: 4942755600
Conc: 685.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

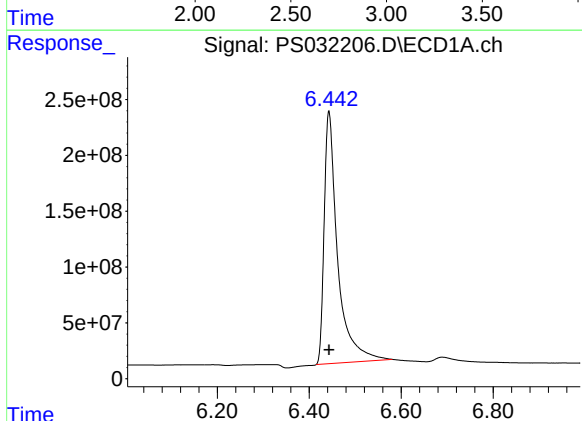
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



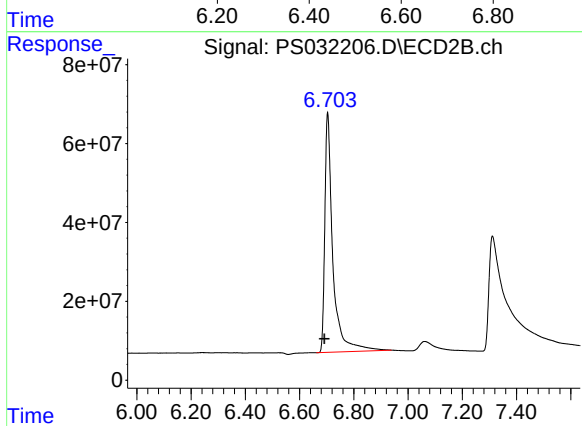
#1 Dalapon

R.T.: 2.694 min
Delta R.T.: 0.009 min
Response: 2521139348
Conc: 685.47 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

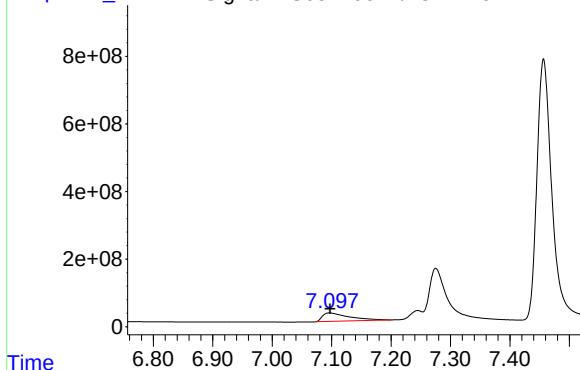
R.T.: 6.443 min
Delta R.T.: 0.000 min
Response: 4594635468
Conc: 726.66 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.704 min
Delta R.T.: 0.012 min
Response: 1257210022
Conc: 668.03 ng/ml

Signal: PS032206.D\ECD1A.ch



#3 4-Nitrophenol

R.T.: 7.097 min
Delta R.T.: -0.001 min
Response: 773202364
Conc: 712.60 ng/ml

Instrument :

ECD_S

ClientSampleId :

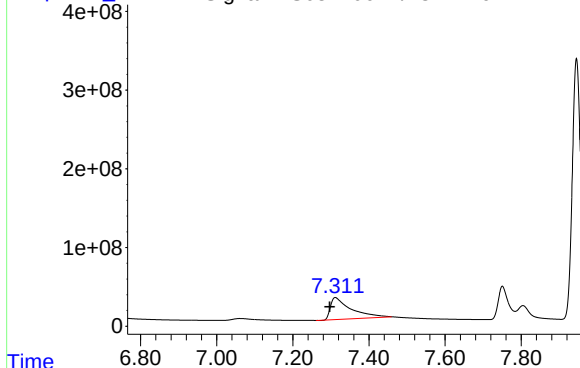
HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

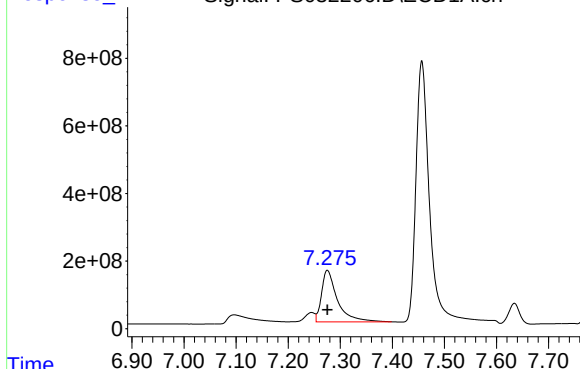
Signal: PS032206.D\ECD2B.ch



#3 4-Nitrophenol

R.T.: 7.312 min
Delta R.T.: 0.015 min
Response: 1048673464
Conc: 661.07 ng/ml

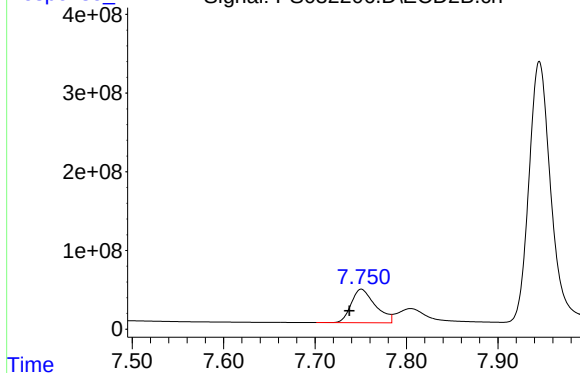
Signal: PS032206.D\ECD1A.ch



#4 2,4-DCAA

R.T.: 7.275 min
Delta R.T.: 0.000 min
Response: 3201801056
Conc: 740.53 ng/ml m

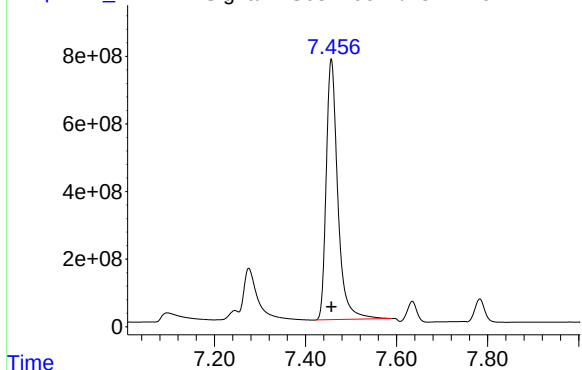
Signal: PS032206.D\ECD2B.ch



#4 2,4-DCAA

R.T.: 7.751 min
Delta R.T.: 0.013 min
Response: 783992765
Conc: 716.93 ng/ml

Response_ Signal: PS032206.D\ECD1A.ch



#5 DICAMBA

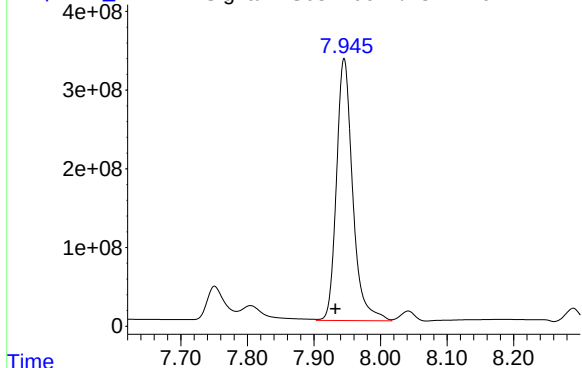
R.T.: 7.457 min
Delta R.T.: 0.000 min
Response: 13580101920
Conc: 735.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

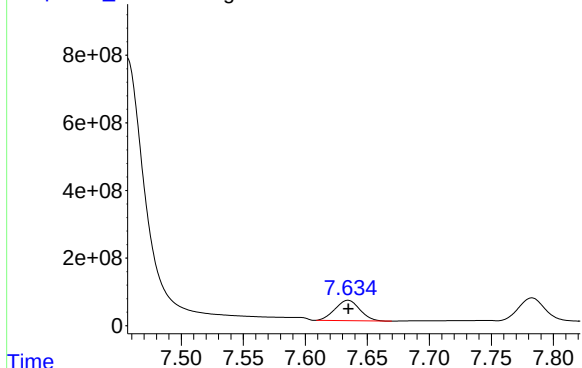
Time Response_ Signal: PS032206.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.945 min
Delta R.T.: 0.013 min
Response: 5635614370
Conc: 690.13 ng/ml

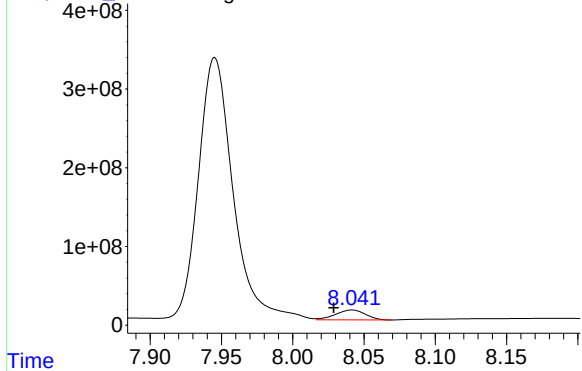
Time Response_ Signal: PS032206.D\ECD1A.ch



#6 MCPP

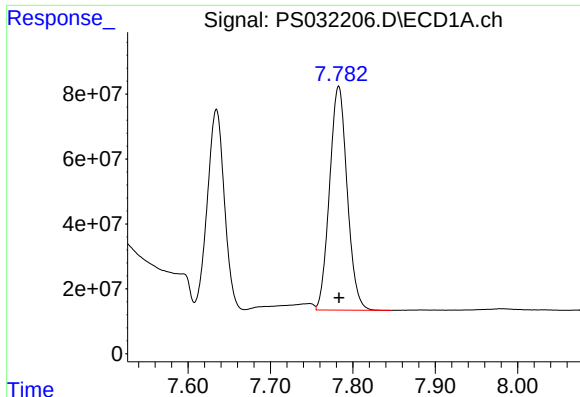
R.T.: 7.634 min
Delta R.T.: 0.000 min
Response: 837583048
Conc: 77.79 ug/ml

Time Response_ Signal: PS032206.D\ECD2B.ch



#6 MCPP

R.T.: 8.041 min
Delta R.T.: 0.013 min
Response: 182178243
Conc: 71.23 ug/ml



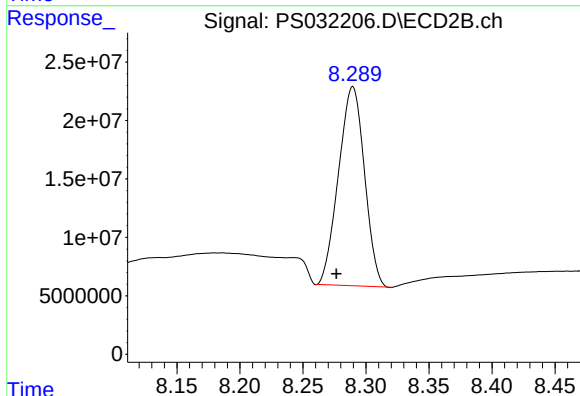
#7 MCPA

R.T.: 7.783 min
Delta R.T.: 0.000 min
Response: 1023692624
Conc: 78.62 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

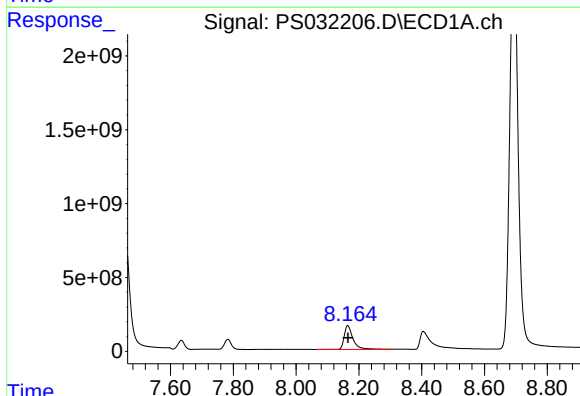
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



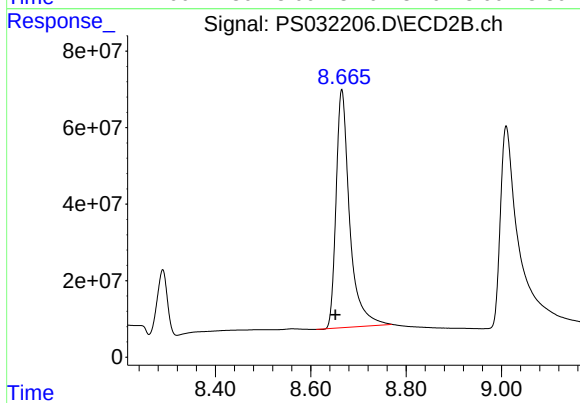
#7 MCPA

R.T.: 8.289 min
Delta R.T.: 0.013 min
Response: 244012099
Conc: 69.68 ug/ml



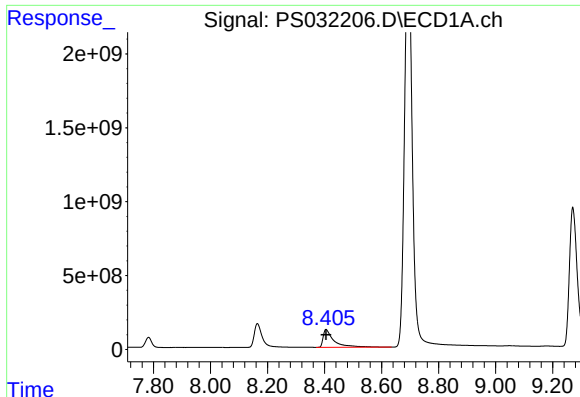
#8 DICHLORPROP

R.T.: 8.165 min
Delta R.T.: 0.000 min
Response: 3127900637
Conc: 719.09 ng/ml



#8 DICHLORPROP

R.T.: 8.665 min
Delta R.T.: 0.013 min
Response: 1233578133
Conc: 671.37 ng/ml



#9 2,4-D

R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 3156805156
Conc: 761.89 ng/ml

Instrument :

ECD_S

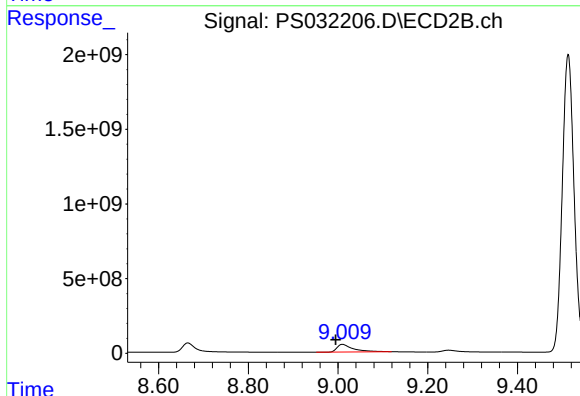
ClientSampleId :

HSTDCCC750

Manual Integrations

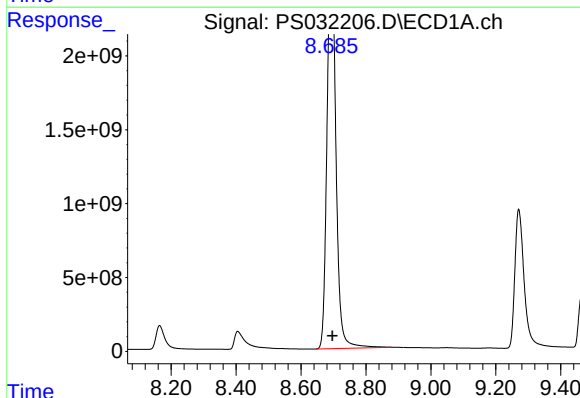
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



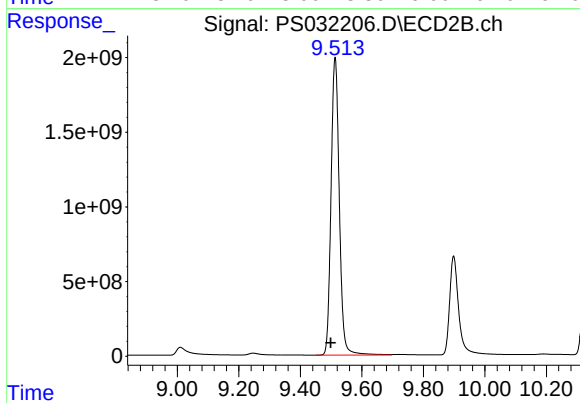
#9 2,4-D

R.T.: 9.010 min
Delta R.T.: 0.015 min
Response: 1298170080
Conc: 672.39 ng/ml



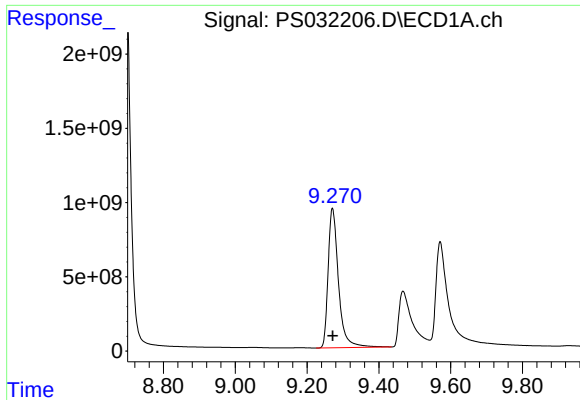
#10 Pentachlorophenol

R.T.: 8.695 min
Delta R.T.: -0.002 min
Response: 47312069573
Conc: 766.77 ng/ml



#10 Pentachlorophenol

R.T.: 9.513 min
Delta R.T.: 0.014 min
Response: 37178402186
Conc: 765.54 ng/ml



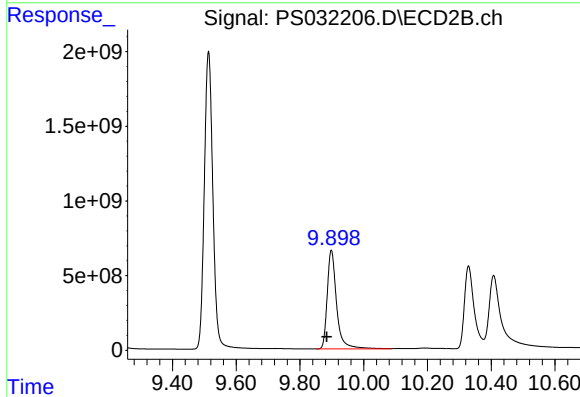
#11 2,4,5-TP (SILVEX)

R.T.: 9.271 min
Delta R.T.: 0.000 min
Response: 18793431490
Conc: 761.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

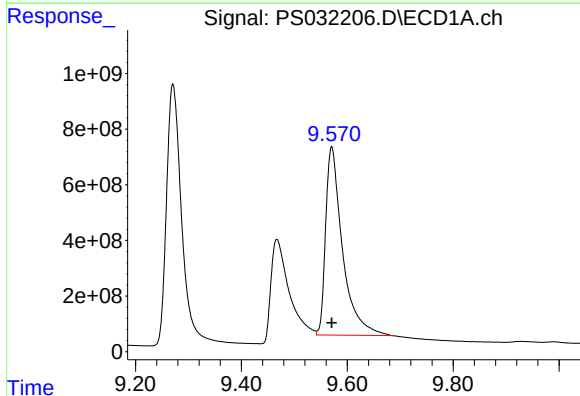
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



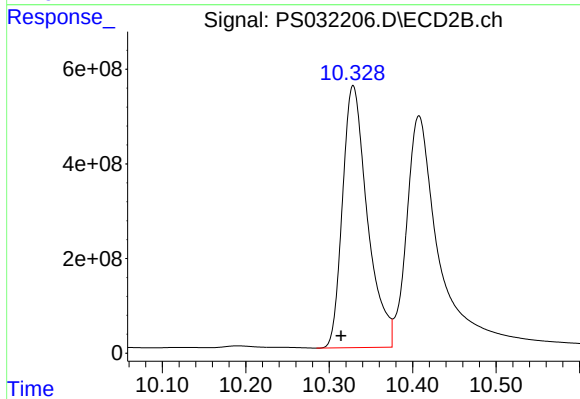
#11 2,4,5-TP (SILVEX)

R.T.: 9.898 min
Delta R.T.: 0.014 min
Response: 13511634564
Conc: 714.83 ng/ml



#12 2,4,5-T

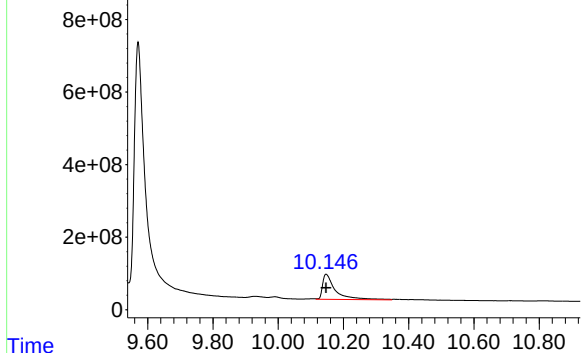
R.T.: 9.570 min
Delta R.T.: 0.000 min
Response: 14972290109
Conc: 718.76 ng/ml m



#12 2,4,5-T

R.T.: 10.329 min
Delta R.T.: 0.015 min
Response: 11485858257
Conc: 712.22 ng/ml

Response_ Signal: PS032206.D\ECD1A.ch



#13 2,4-DB

R.T.: 10.147 min
Delta R.T.: 0.000 min
Response: 1897307781
Conc: 824.45 ng/ml

Instrument :

ECD_S

ClientSampleId :

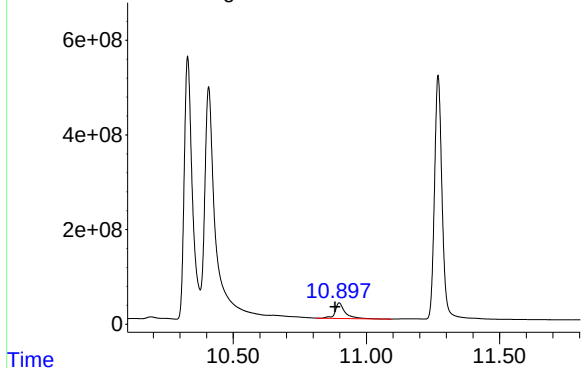
HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

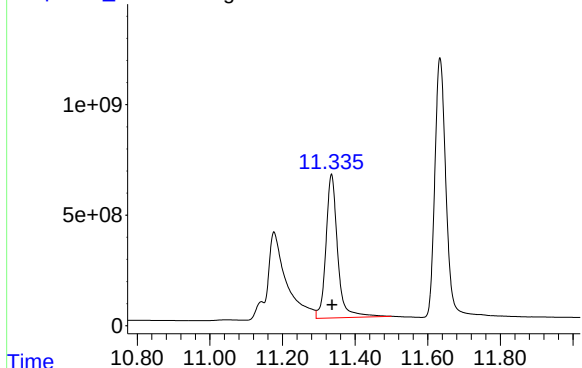
Time Response_ Signal: PS032206.D\ECD2B.ch



#13 2,4-DB

R.T.: 10.898 min
Delta R.T.: 0.015 min
Response: 845002984
Conc: 612.41 ng/ml

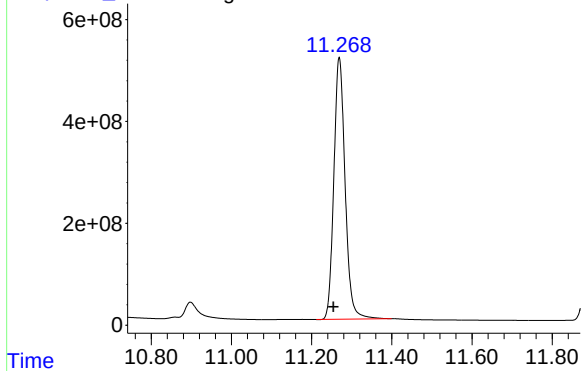
Time Response_ Signal: PS032206.D\ECD1A.ch



#14 DINOSEB

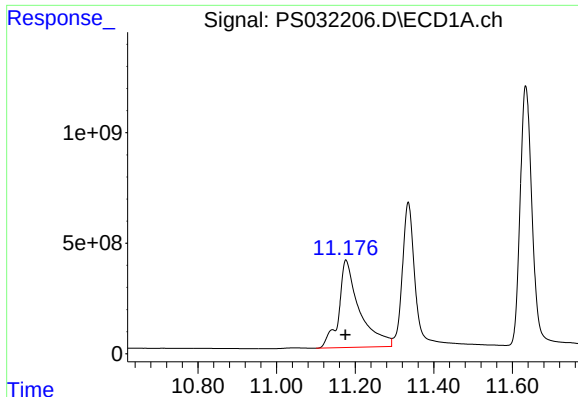
R.T.: 11.335 min
Delta R.T.: -0.001 min
Response: 14488792195
Conc: 754.63 ng/ml

Time Response_ Signal: PS032206.D\ECD2B.ch



#14 DINOSEB

R.T.: 11.269 min
Delta R.T.: 0.014 min
Response: 10034878282
Conc: 727.68 ng/ml



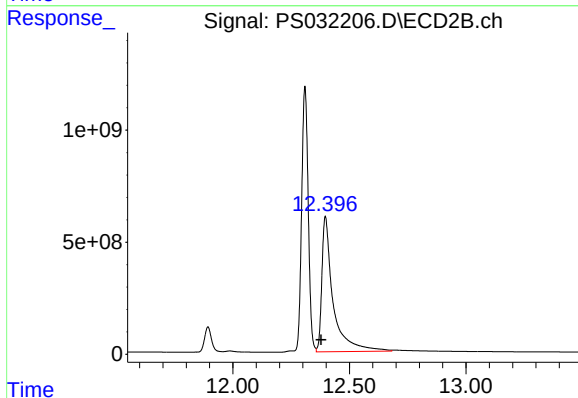
#15 Picloram

R.T.: 11.177 min
Delta R.T.: 0.002 min
Response: 14474030158
Conc: 785.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

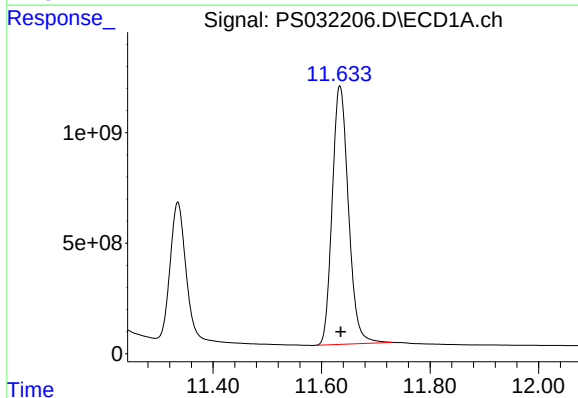
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



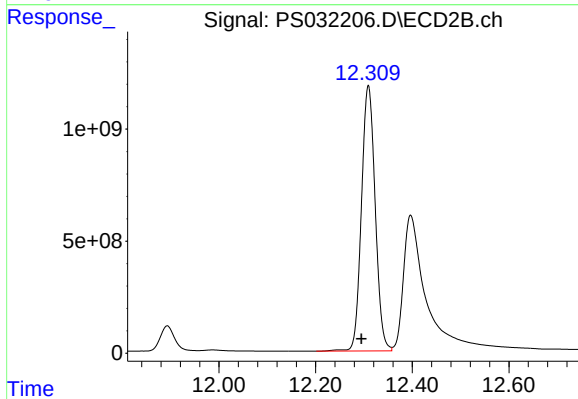
#15 Picloram

R.T.: 12.397 min
Delta R.T.: 0.018 min
Response: 20353611460
Conc: 700.18 ng/ml



#16 DCPA

R.T.: 11.634 min
Delta R.T.: -0.002 min
Response: 24262437125
Conc: 757.24 ng/ml



#16 DCPA

R.T.: 12.309 min
Delta R.T.: 0.014 min
Response: 23347404454
Conc: 749.76 ng/ml



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

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ROYF02**Lab Code:** ACE**SDG NO.:** Q3447**Continuing Calib Date:** 10/28/2025**Initial Calibration Date(s):** 10/27/2025 10/27/2025**Continuing Calib Time:** 17:41**Initial Calibration Time(s):** 11:43 13:21**GC Column:** RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.41	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.27	9.27	9.17	9.37	0.00



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CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ROYF02**Lab Code:** ACE**SDG NO.:** Q3447**Continuing Calib Date:** 10/28/2025**Initial Calibration Date(s):** 10/27/2025 10/27/2025**Continuing Calib Time:** 17:41**Initial Calibration Time(s):** 11:43 13:21**GC Column:** RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.75	7.74	7.64	7.84	-0.01
2,4-D	9.01	9.00	8.90	9.10	-0.01
2,4,5-TP(Silvex)	9.90	9.88	9.78	9.98	-0.02



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3447
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/27/2025 10/27/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/28/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032217.D **Time Analyzed:** 17:41

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.272	9.172	9.372	765.520	712.500	7.4
2,4-D	8.406	8.306	8.506	779.920	705.000	10.6
2,4-DCAA	7.276	7.175	7.375	802.850	750.000	7.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3447

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/27/2025 10/27/2025

Client Sample No.: CCAL05 Date Analyzed: 10/28/2025

Lab Sample No.: HSTDCCC750 Data File : PS032217.D Time Analyzed: 17:41

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.902	9.784	9.984	696.660	712.500	-2.2
2,4-D	9.013	8.895	9.095	650.020	705.000	-7.8
2,4-DCAA	7.754	7.638	7.838	697.540	750.000	-7.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102825\
 Data File : PS032217.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 17:41
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/29/2025
 Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 29 03:56:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.276	7.754	3471.3E6	762.8E6	802.855	697.542
Target Compounds							
1) T	Dalapon	2.658	2.698	4910.6E6	2387.8E6	680.981	649.223
2) T	3,5-DICHL...	6.444	6.706	4635.3E6	1217.2E6	733.101	646.783
3) T	4-Nitroph...	7.094	7.314	767.7E6	1059.2E6	707.519m	667.711
5) T	DICAMBA	7.457	7.948	13732.3E6	5466.3E6	743.346	669.404
6) T	MCPD	7.635	8.044	840.4E6	173.5E6	78.059	67.836
7) T	MCPA	7.784	8.292	1022.3E6	232.5E6	78.510	66.399
8) T	DICHLORPROP	8.166	8.668	3131.6E6	1192.2E6	719.950	648.859
9) T	2,4-D	8.406	9.013	3231.5E6	1255.0E6	779.923	650.019
10) T	Pentachlo...	8.696	9.517	47498.7E6	36297.6E6	769.796	747.405
11) T	2,4,5-TP ...	9.272	9.902	18895.5E6	13168.1E6	765.523	696.659
12) T	2,4,5-T	9.572	10.332	17585.5E6	11210.8E6	844.214	695.166
13) T	2,4-DB	10.148	10.901	1927.2E6	813.2E6	837.453	589.363 #
14) T	DINOSEB	11.336	11.273	14531.4E6	9729.6E6	756.848	705.539
15) T	Picloram	11.177	12.401	14747.8E6	19368.3E6	783.140	666.284
16) T	DCPA	11.636	12.314	24435.2E6	22659.0E6	762.637	727.656

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102825\
Data File : PS032217.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 17:41
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

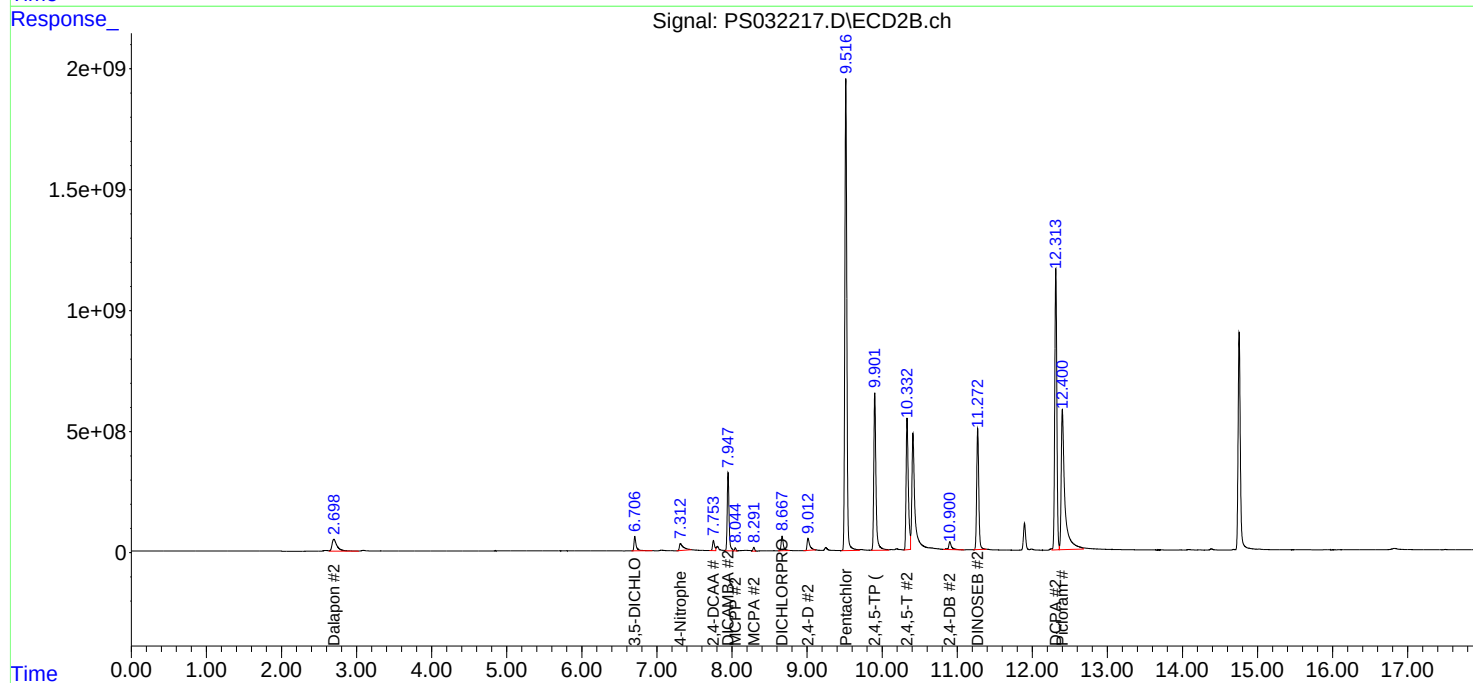
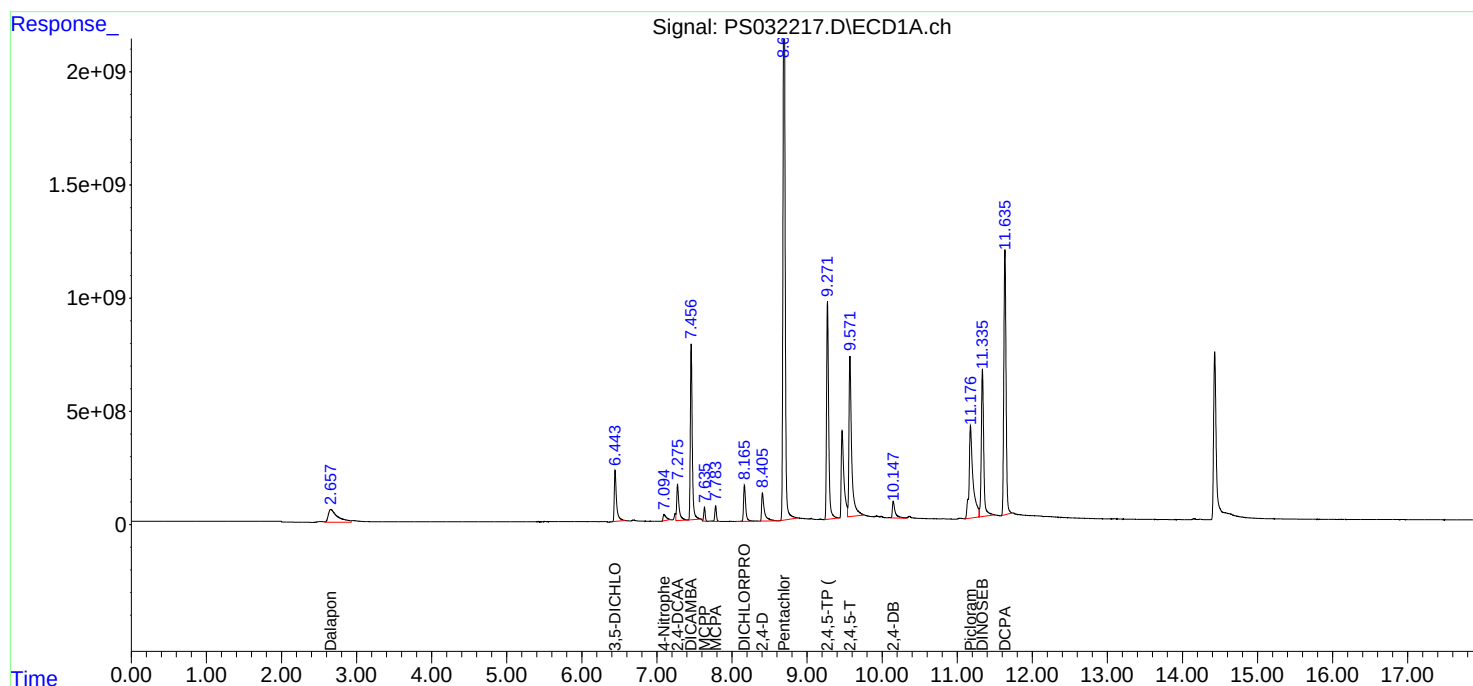
Manual Integrations

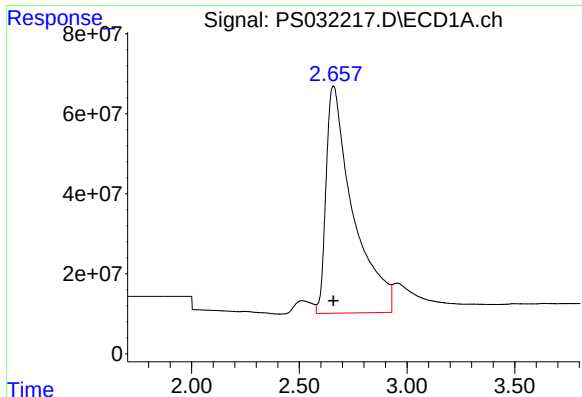
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 03:56:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





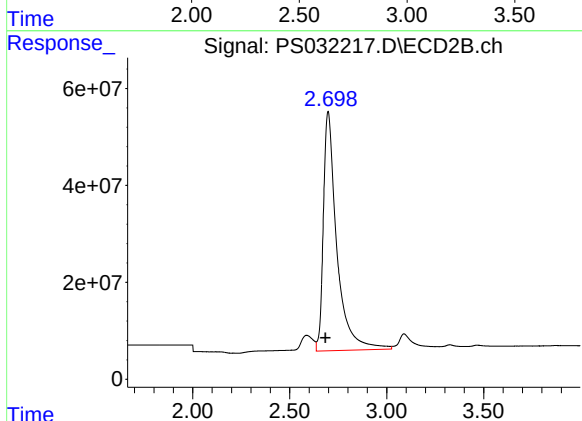
#1 Dalapon

R.T.: 2.658 min
 Delta R.T.: 0.000 min
 Response: 4910645723
 Conc: 680.98 ng/ml

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

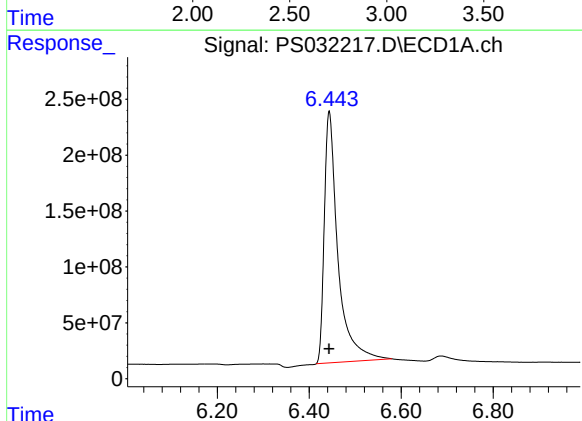
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/29/2025
 Supervised By :Sohil Jodhani 10/29/2025



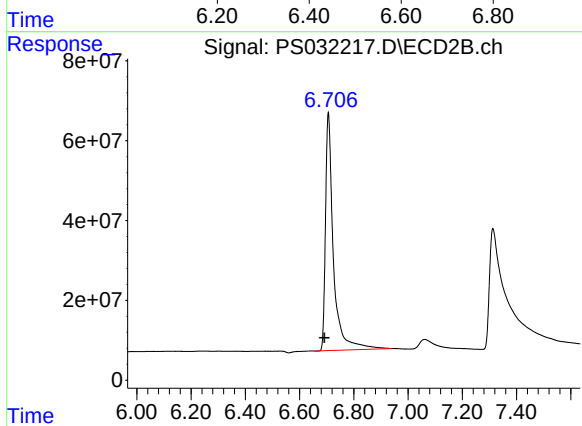
#1 Dalapon

R.T.: 2.698 min
 Delta R.T.: 0.012 min
 Response: 2387825966
 Conc: 649.22 ng/ml



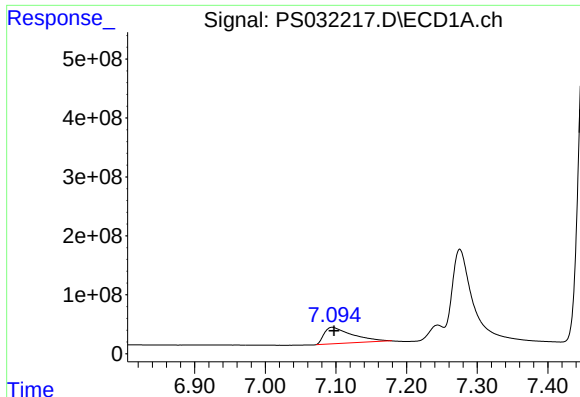
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.444 min
 Delta R.T.: 0.000 min
 Response: 4635341246
 Conc: 733.10 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.706 min
 Delta R.T.: 0.014 min
 Response: 1217233056
 Conc: 646.78 ng/ml



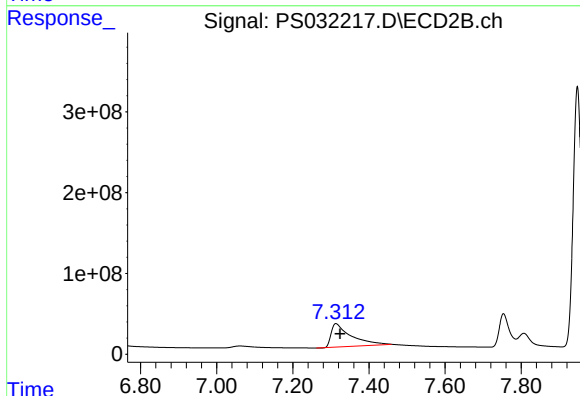
#3 4-Nitrophenol

R.T.: 7.094 min
Delta R.T.: -0.003 min
Response: 767692509
Conc: 707.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

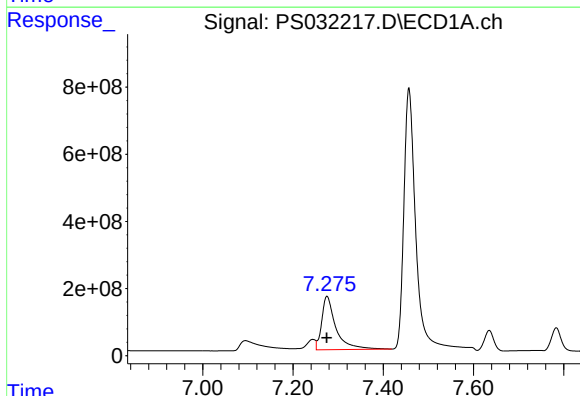
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



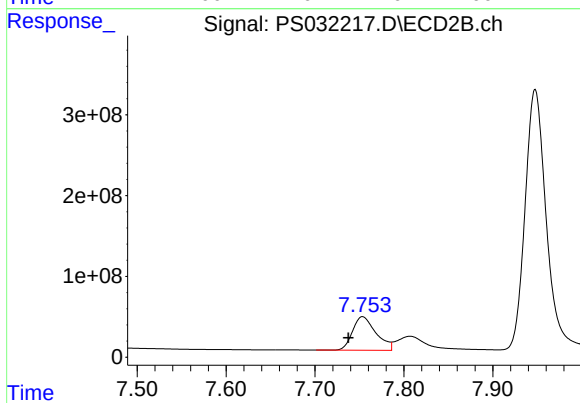
#3 4-Nitrophenol

R.T.: 7.314 min
Delta R.T.: -0.010 min
Response: 1059210110
Conc: 667.71 ng/ml



#4 2,4-DCAA

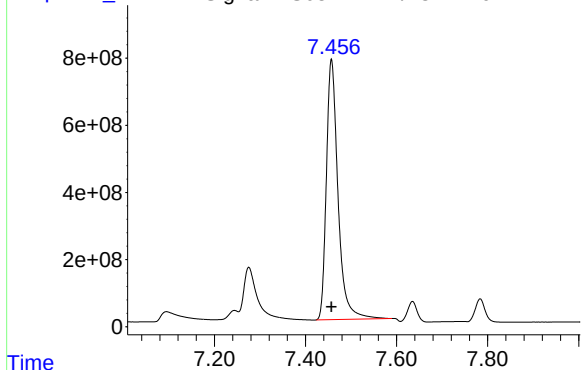
R.T.: 7.276 min
Delta R.T.: 0.000 min
Response: 3471273998
Conc: 802.85 ng/ml



#4 2,4-DCAA

R.T.: 7.754 min
Delta R.T.: 0.016 min
Response: 762787096
Conc: 697.54 ng/ml

Response_ Signal: PS032217.D\ECD1A.ch



#5 DICAMBA

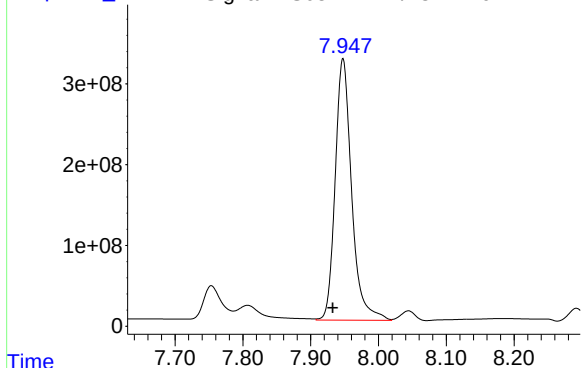
R.T.: 7.457 min
Delta R.T.: 0.000 min
Response: 13732274571
Conc: 743.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

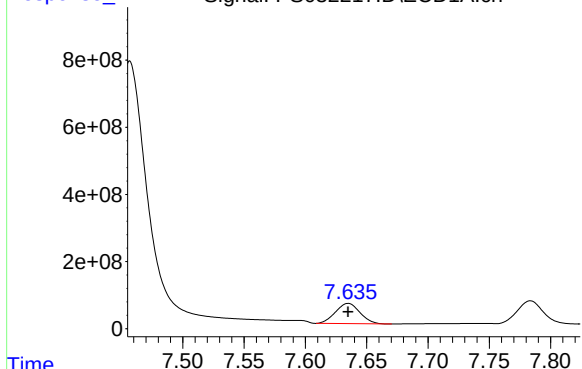
Time Response_ Signal: PS032217.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.948 min
Delta R.T.: 0.015 min
Response: 5466331585
Conc: 669.40 ng/ml

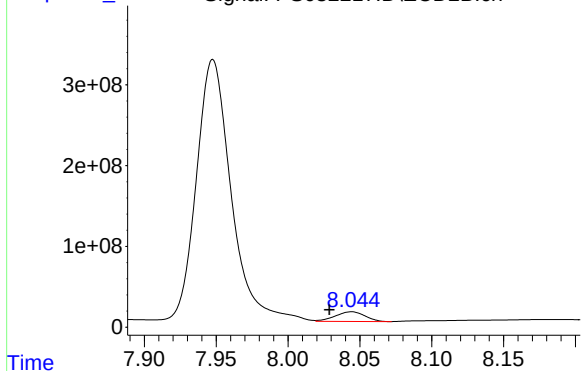
Time Response_ Signal: PS032217.D\ECD1A.ch



#6 MCP

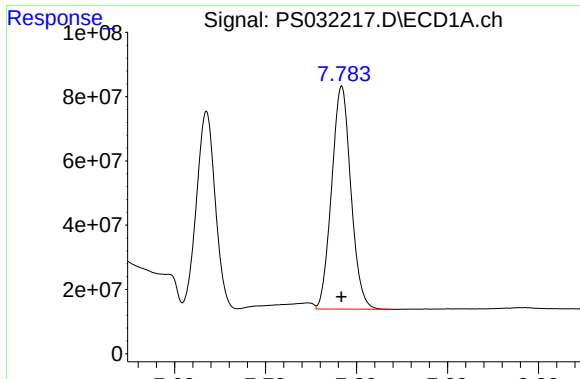
R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 840433496
Conc: 78.06 ug/ml

Time Response_ Signal: PS032217.D\ECD2B.ch



#6 MCP

R.T.: 8.044 min
Delta R.T.: 0.015 min
Response: 173493473
Conc: 67.84 ug/ml



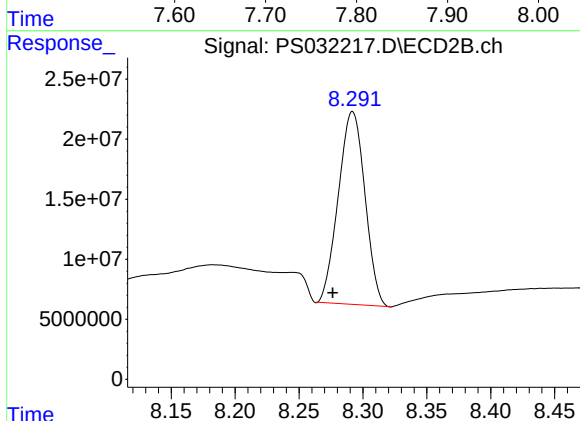
#7 MCPA

R.T.: 7.784 min
Delta R.T.: 0.000 min
Response: 1022297767
Conc: 78.51 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

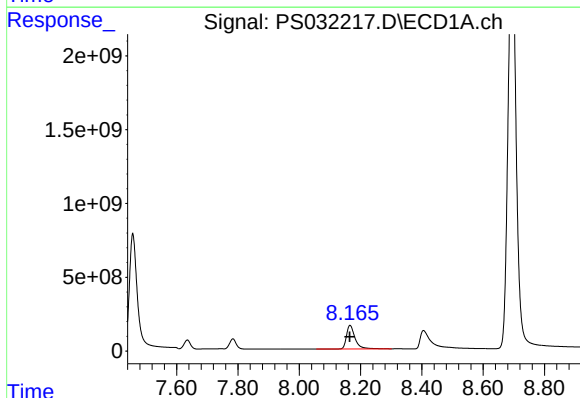
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



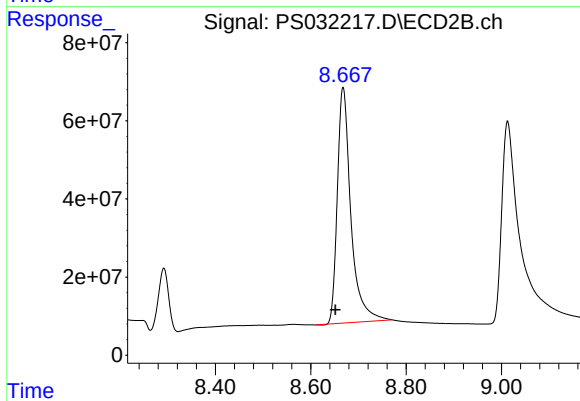
#7 MCPA

R.T.: 8.292 min
Delta R.T.: 0.015 min
Response: 232513990
Conc: 66.40 ug/ml



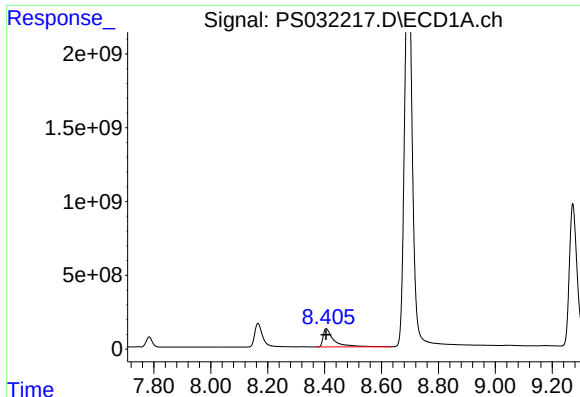
#8 DICHLORPROP

R.T.: 8.166 min
Delta R.T.: 0.000 min
Response: 3131621380
Conc: 719.95 ng/ml



#8 DICHLORPROP

R.T.: 8.668 min
Delta R.T.: 0.016 min
Response: 1192217365
Conc: 648.86 ng/ml



#9 2,4-D

R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 3231527105
Conc: 779.92 ng/ml

Instrument :

ECD_S

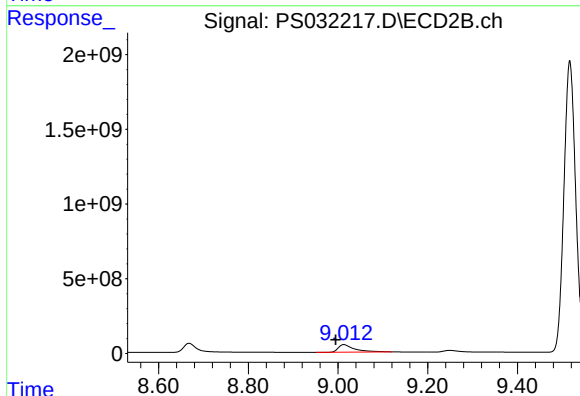
ClientSampleId :

HSTDCCC750

Manual Integrations

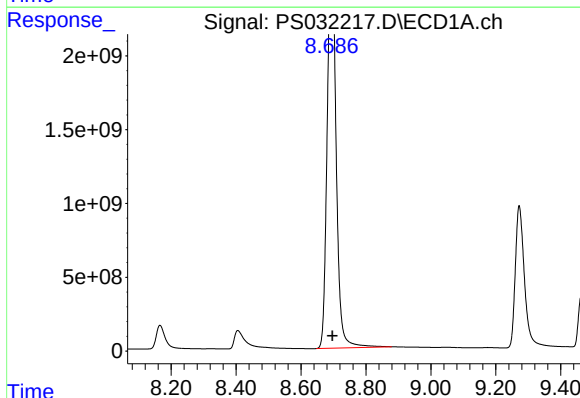
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



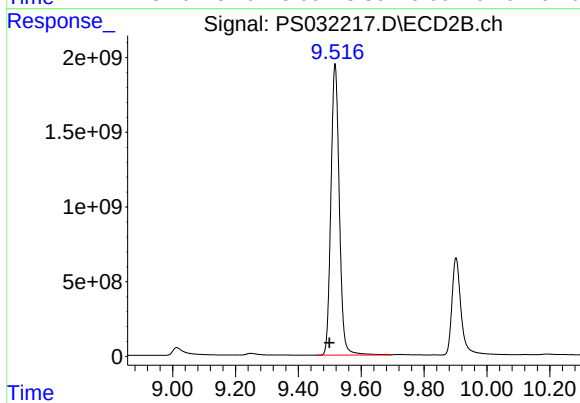
#9 2,4-D

R.T.: 9.013 min
Delta R.T.: 0.018 min
Response: 1254982536
Conc: 650.02 ng/ml



#10 Pentachlorophenol

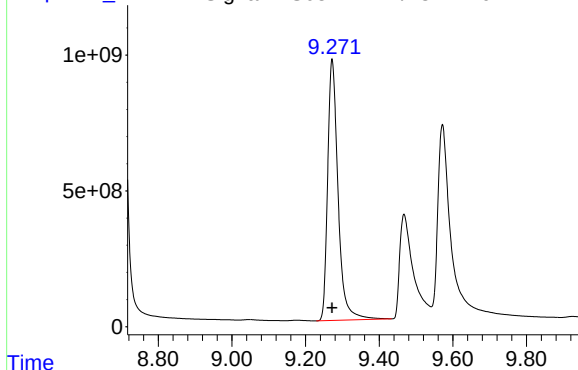
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 47498725003
Conc: 769.80 ng/ml



#10 Pentachlorophenol

R.T.: 9.517 min
Delta R.T.: 0.018 min
Response: 36297600374
Conc: 747.41 ng/ml

Response_ Signal: PS032217.D\ECD1A.ch



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

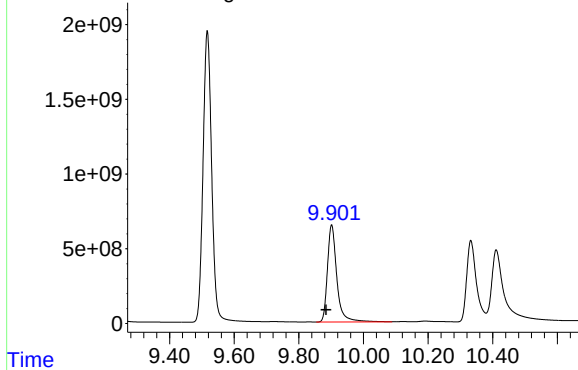
R.T.: 9.272 min
Delta R.T.: 0.000 min
Response: 18895454069
Conc: 765.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

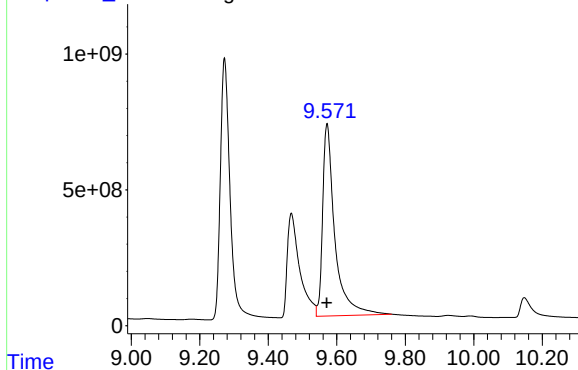
Response_ Signal: PS032217.D\ECD2B.ch



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

R.T.: 9.902 min
Delta R.T.: 0.017 min
Response: 13168109201
Conc: 696.66 ng/ml

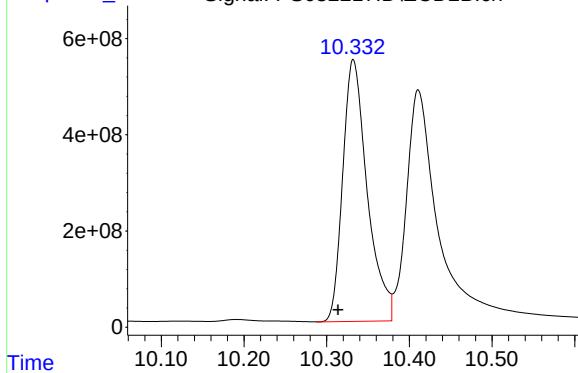
Response_ Signal: PS032217.D\ECD1A.ch



#12 2,4,5-T

R.T.: 9.572 min
Delta R.T.: 0.001 min
Response: 17585466605
Conc: 844.21 ng/ml

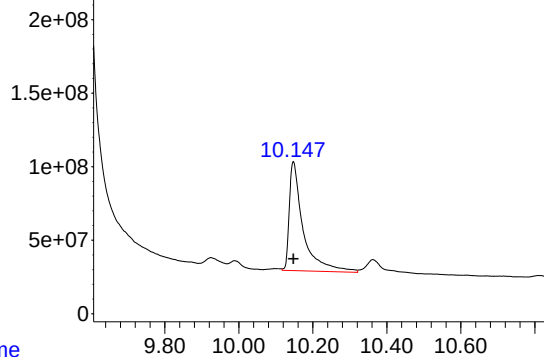
Response_ Signal: PS032217.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.332 min
Delta R.T.: 0.018 min
Response: 11210801226
Conc: 695.17 ng/ml

Response_ Signal: PS032217.D\ECD1A.ch



#13 2,4-DB

R.T.: 10.148 min
Delta R.T.: 0.000 min
Response: 1927233621
Conc: 837.45 ng/ml

Instrument :

ECD_S

ClientSampleId :

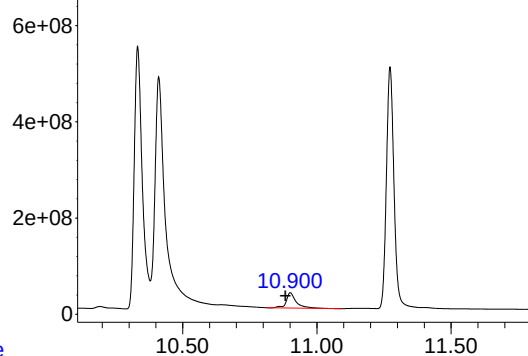
HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025

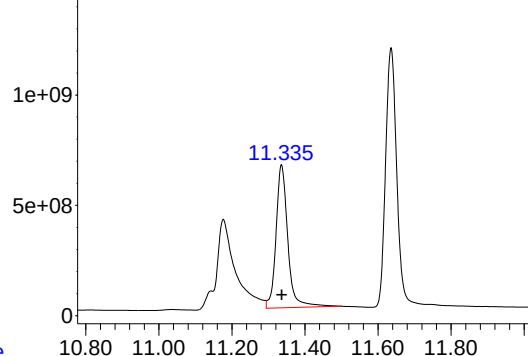
Time Response_ Signal: PS032217.D\ECD2B.ch



#13 2,4-DB

R.T.: 10.901 min
Delta R.T.: 0.019 min
Response: 813202497
Conc: 589.36 ng/ml

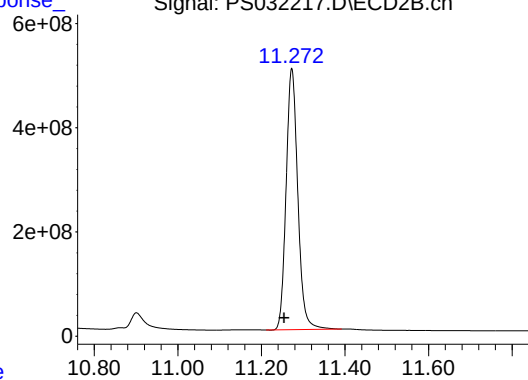
Time Response_ Signal: PS032217.D\ECD1A.ch



#14 DINOSEB

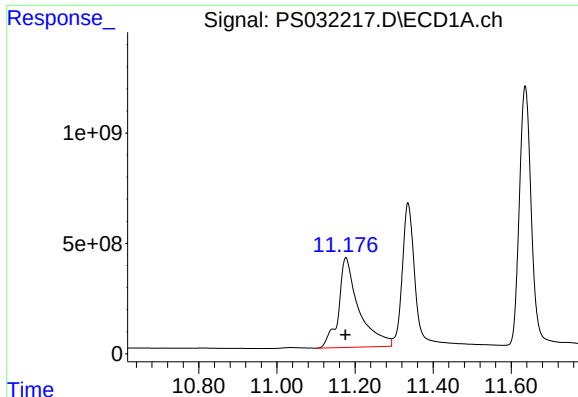
R.T.: 11.336 min
Delta R.T.: 0.000 min
Response: 14531381787
Conc: 756.85 ng/ml

Time Response_ Signal: PS032217.D\ECD2B.ch



#14 DINOSEB

R.T.: 11.273 min
Delta R.T.: 0.018 min
Response: 9729580457
Conc: 705.54 ng/ml



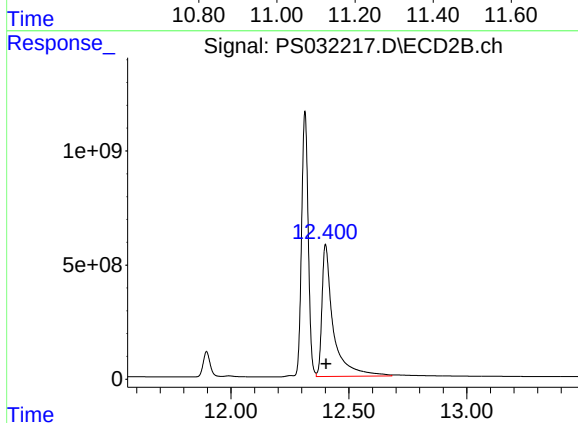
#15 Picloram

R.T.: 11.177 min
Delta R.T.: 0.001 min
Response: 14747820254
Conc: 783.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

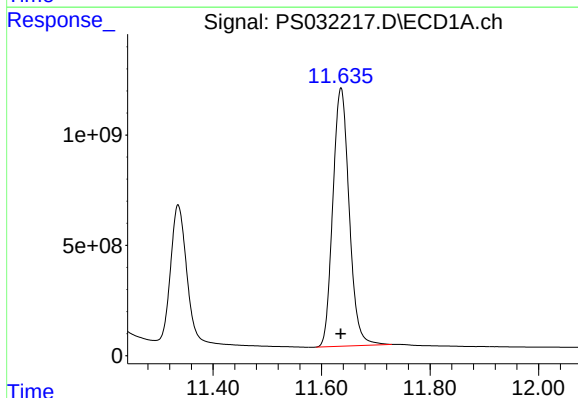
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/29/2025
Supervised By :Sohil Jodhani 10/29/2025



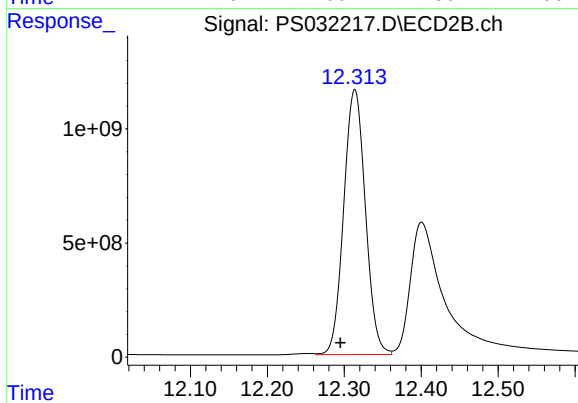
#15 Picloram

R.T.: 12.401 min
Delta R.T.: -0.003 min
Response: 19368285247
Conc: 666.28 ng/ml



#16 DCPA

R.T.: 11.636 min
Delta R.T.: 0.000 min
Response: 24435204294
Conc: 762.64 ng/ml



#16 DCPA

R.T.: 12.314 min
Delta R.T.: 0.018 min
Response: 22658980630
Conc: 727.66 ng/ml

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3447

Project: RFP 905

Instrument ID: ECD_S

GC Column: RTX-CLP

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/27/2025 10/27/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	10/27/2025	11:19	PS032162.D	7.28	0.00
HSTDICC200	HSTDICC200	10/27/2025	11:43	PS032163.D	7.28	0.00
HSTDICC500	HSTDICC500	10/27/2025	12:08	PS032164.D	7.28	0.00
HSTDICC750	HSTDICC750	10/27/2025	12:32	PS032165.D	7.28	0.00
HSTDICC1000	HSTDICC1000	10/27/2025	12:57	PS032166.D	7.27	0.00
HSTDICC1500	HSTDICC1500	10/27/2025	13:21	PS032167.D	7.27	0.00
IBLK	IBLK	10/27/2025	21:12	PS032181.D	7.28	0.00
HSTDCCC750	HSTDCCC750	10/27/2025	21:36	PS032182.D	7.28	0.00
P001-TW2-251023-01	Q3447-04	10/28/2025	01:41	PS032191.D	7.27	0.00
P001-TW3-251023-01	Q3447-06	10/28/2025	02:05	PS032192.D	7.27	0.00
IBLK	IBLK	10/28/2025	03:43	PS032193.D	7.28	0.00
HSTDCCC750	HSTDCCC750	10/28/2025	04:08	PS032194.D	7.28	0.00
PB170269BL	PB170269BL	10/28/2025	04:57	PS032195.D	7.27	0.00
PB170269BS	PB170269BS	10/28/2025	05:21	PS032196.D	7.28	0.00
PB170239TB	PB170239TB	10/28/2025	05:46	PS032197.D	7.27	0.00
P001-TW1-251023-01	Q3447-02	10/28/2025	06:10	PS032198.D	7.27	0.00
P001-TW1-251023-01MS	Q3447-02MS	10/28/2025	06:35	PS032199.D	7.27	0.00
P001-TW1-251023-01MSD	Q3447-02MSD	10/28/2025	06:59	PS032200.D	7.27	0.00
P001-TW4-251023-01	Q3447-08	10/28/2025	07:24	PS032201.D	7.27	0.00
IBLK	IBLK	10/28/2025	08:36	PS032202.D	7.28	0.00
HSTDCCC750	HSTDCCC750	10/28/2025	09:42	PS032203.D	7.27	0.00
IBLK	IBLK	10/28/2025	11:13	PS032205.D	7.28	0.00
HSTDCCC750	HSTDCCC750	10/28/2025	11:37	PS032206.D	7.28	0.00
P001-TW2-251023-01RE	Q3447-04RE	10/28/2025	16:03	PS032213.D	7.27	0.00
P001-TW3-251023-01RE	Q3447-06RE	10/28/2025	16:28	PS032214.D	7.27	0.00
P001-TW4-251023-01RE	Q3447-08RE	10/28/2025	16:52	PS032215.D	7.28	0.00
IBLK	IBLK	10/28/2025	17:17	PS032216.D	7.28	0.00
HSTDCCC750	HSTDCCC750	10/28/2025	17:41	PS032217.D	7.28	0.00

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3447

Project: RFP 905

Instrument ID: ECD_S

GC Column: RTX-CLP2

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/27/2025 10/27/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	10/27/2025	11:19	PS032162.D	7.75	0.00
HSTDICC200	HSTDICC200	10/27/2025	11:43	PS032163.D	7.75	0.00
HSTDICC500	HSTDICC500	10/27/2025	12:08	PS032164.D	7.74	0.00
HSTDICC750	HSTDICC750	10/27/2025	12:32	PS032165.D	7.74	0.00
HSTDICC1000	HSTDICC1000	10/27/2025	12:57	PS032166.D	7.74	0.00
HSTDICC1500	HSTDICC1500	10/27/2025	13:21	PS032167.D	7.74	0.00
IBLK	IBLK	10/27/2025	21:12	PS032181.D	7.75	0.00
HSTDCCC750	HSTDCCC750	10/27/2025	21:36	PS032182.D	7.74	0.00
P001-TW2-251023-01	Q3447-04	10/28/2025	01:41	PS032191.D	7.74	0.00
P001-TW3-251023-01	Q3447-06	10/28/2025	02:05	PS032192.D	7.74	0.00
IBLK	IBLK	10/28/2025	03:43	PS032193.D	7.75	0.00
HSTDCCC750	HSTDCCC750	10/28/2025	04:08	PS032194.D	7.75	0.00
PB170269BL	PB170269BL	10/28/2025	04:57	PS032195.D	7.75	0.00
PB170269BS	PB170269BS	10/28/2025	05:21	PS032196.D	7.75	0.00
PB170239TB	PB170239TB	10/28/2025	05:46	PS032197.D	7.75	0.00
P001-TW1-251023-01	Q3447-02	10/28/2025	06:10	PS032198.D	7.74	0.00
P001-TW1-251023-01MS	Q3447-02MS	10/28/2025	06:35	PS032199.D	7.74	0.00
P001-TW1-251023-01MSD	Q3447-02MSD	10/28/2025	06:59	PS032200.D	7.74	0.00
P001-TW4-251023-01	Q3447-08	10/28/2025	07:24	PS032201.D	7.75	0.00
IBLK	IBLK	10/28/2025	08:36	PS032202.D	7.76	0.00
HSTDCCC750	HSTDCCC750	10/28/2025	09:42	PS032203.D	7.75	0.00
IBLK	IBLK	10/28/2025	11:13	PS032205.D	7.76	0.00
HSTDCCC750	HSTDCCC750	10/28/2025	11:37	PS032206.D	7.75	0.00
P001-TW2-251023-01RE	Q3447-04RE	10/28/2025	16:03	PS032213.D	7.75	0.00
P001-TW3-251023-01RE	Q3447-06RE	10/28/2025	16:28	PS032214.D	7.75	0.00
P001-TW4-251023-01RE	Q3447-08RE	10/28/2025	16:52	PS032215.D	7.75	0.00
IBLK	IBLK	10/28/2025	17:17	PS032216.D	7.76	0.00
HSTDCCC750	HSTDCCC750	10/28/2025	17:41	PS032217.D	7.75	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-TW1-251023-01MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: Q3447-02MS

Date(s) Analyzed: 10/28/2025 10/28/2025

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-D	1	8.40	8.35	8.45	27.5	39.9
	2	9.00	8.95	9.05	41.2	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	27.1	6.8
	2	9.89	9.84	9.94	29.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-TW1-251023-01MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: Q3447-02MSD

Date(s) Analyzed: 10/28/2025 10/28/2025

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-D	1	8.41	8.36	8.46	31.2	43.7
	2	9.00	8.95	9.05	20.0	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	25.3	7.2
	2	9.89	9.84	9.94	27.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170269BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3447

Lab Sample ID: PB170269BS

Date(s) Analyzed: 10/28/2025 10/28/2025

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-D	1	8.41	8.36	8.46	5.10	14.7
	2	9.01	8.96	9.06	4.40	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	5.00	6.2
	2	9.90	9.85	9.95	4.70	



QC SAMPLE DATA

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected:	
Project: RFP 905	Date Received:	
Client Sample ID: PB170269BL	SDG No.:	Q3447
Lab Sample ID: PB170269BL	Matrix:	TCLP
Analytical Method: 8151A	% Solid:	0
Sample Wt/Vol: 1000 mL	Test:	TCLP Herbicide
Prep Method: SW3510C	Final Vol: 10000 uL	
	Prep Date 10/27/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/28/25 04:57	PB170269
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/28/25 04:57	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	461			61 - 136	92%	SPK: 500		

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\PS102725\
 Data File : PS032195.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 04:57
 Operator : AR\AJ
 Sample : PB170269BL
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB170269BL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 06:26:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.274	7.746	1705.0E6	504.2E6	394.337	461.038m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 04:57
Operator : AR\AJ
Sample : PB170269BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

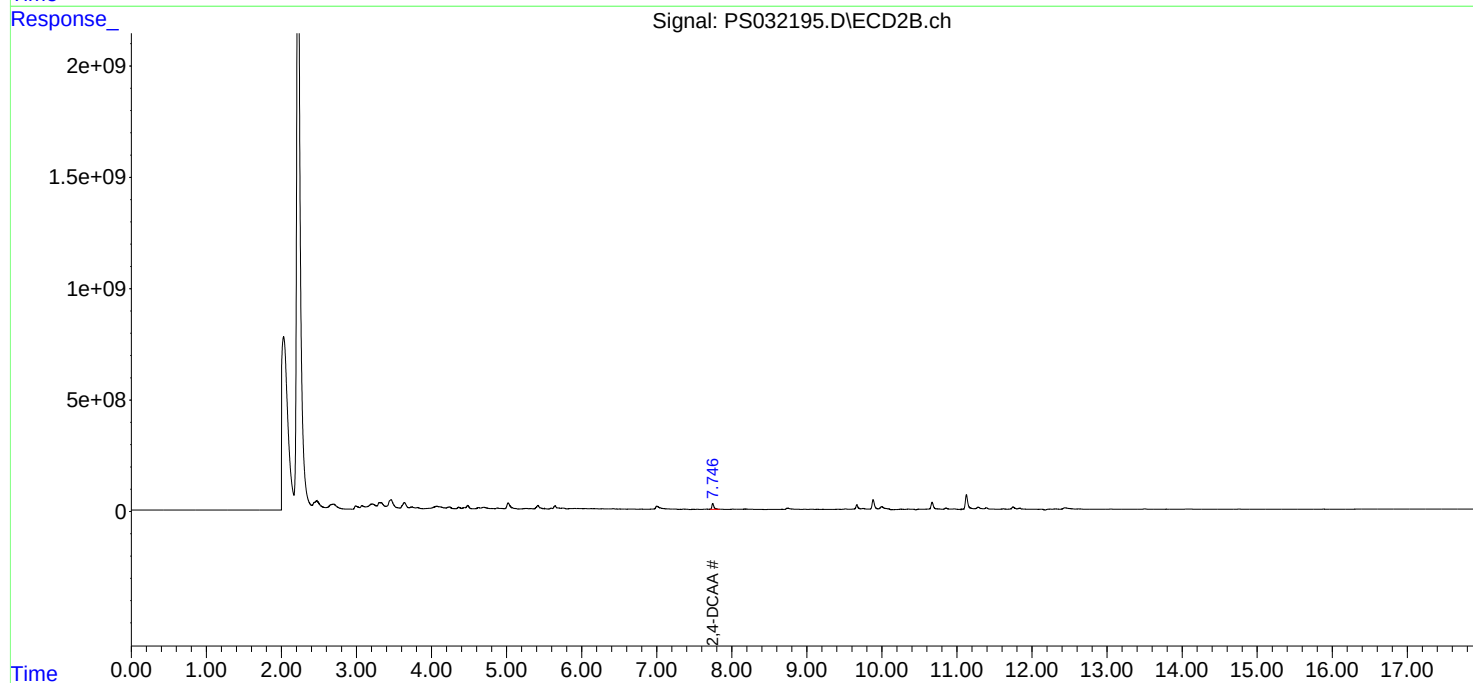
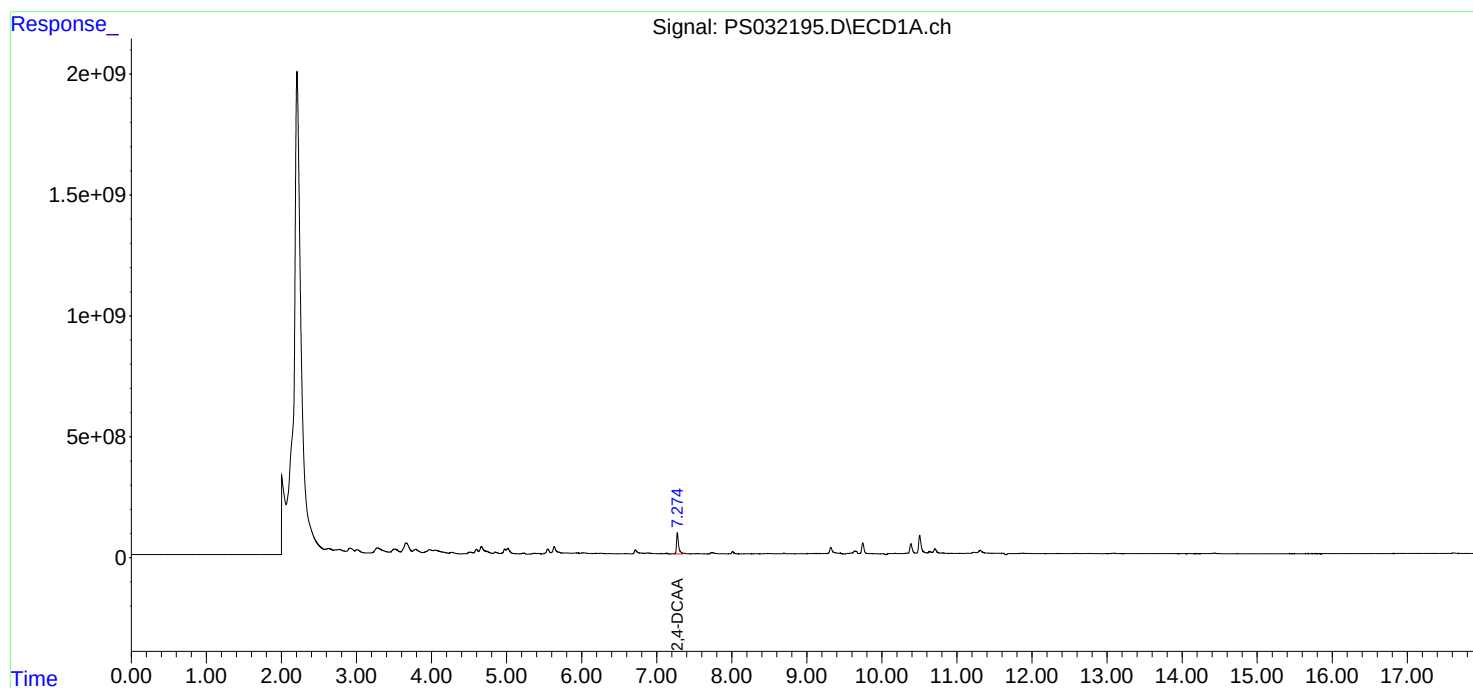
Instrument :
ECD_S
ClientSampleId :
PB170269BL

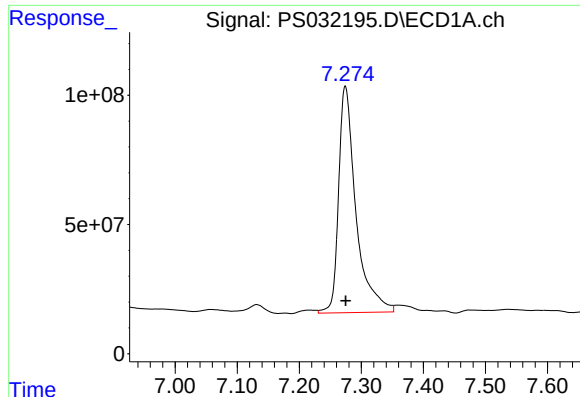
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/28/2025
Supervised By : mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:26:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





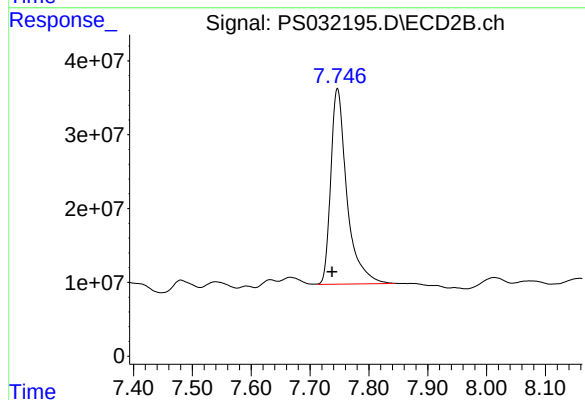
#4 2,4-DCAA

R.T.: 7.274 min
Delta R.T.: 0.000 min
Response: 1704981909
Conc: 394.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170269BL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



#4 2,4-DCAA

R.T.: 7.746 min
Delta R.T.: 0.009 min
Response: 504161514
Conc: 461.04 ng/ml m

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/27/25
Project:	RFP 905		Date Received:	10/27/25
Client Sample ID:	PIBLK-PS032162.D		SDG No.:	Q3447
Lab Sample ID:	I.BLK-PS032162.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date:		TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/27/25	PS102725
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/27/25	PS102725
SURROGATES									
19719-28-9	2,4-DCAA	543			61 - 136	109%	SPK: 500		

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\PS102725\
Data File : PS032162.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 11:19
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: Oct 28 04:06:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:02:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.281	7.745	1645.7E6	594.0E6	380.634	543.197 #

Target Compounds

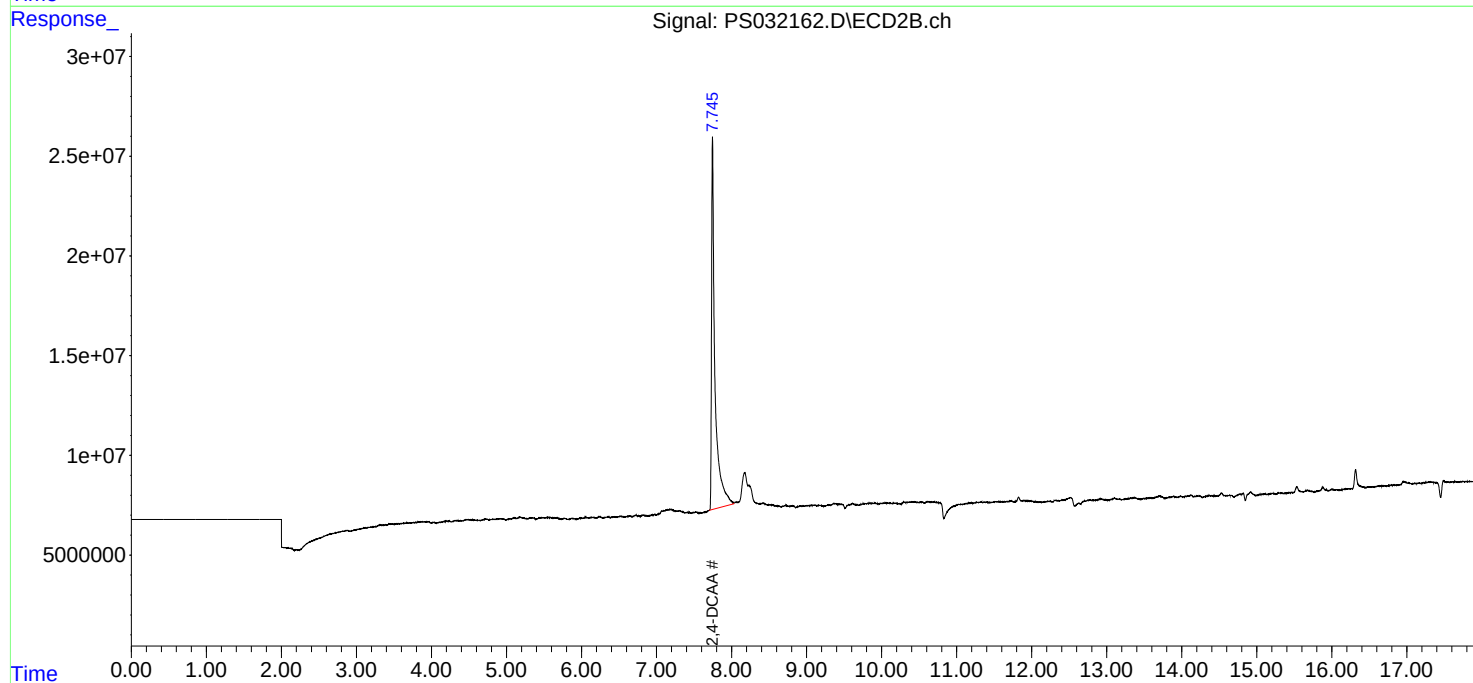
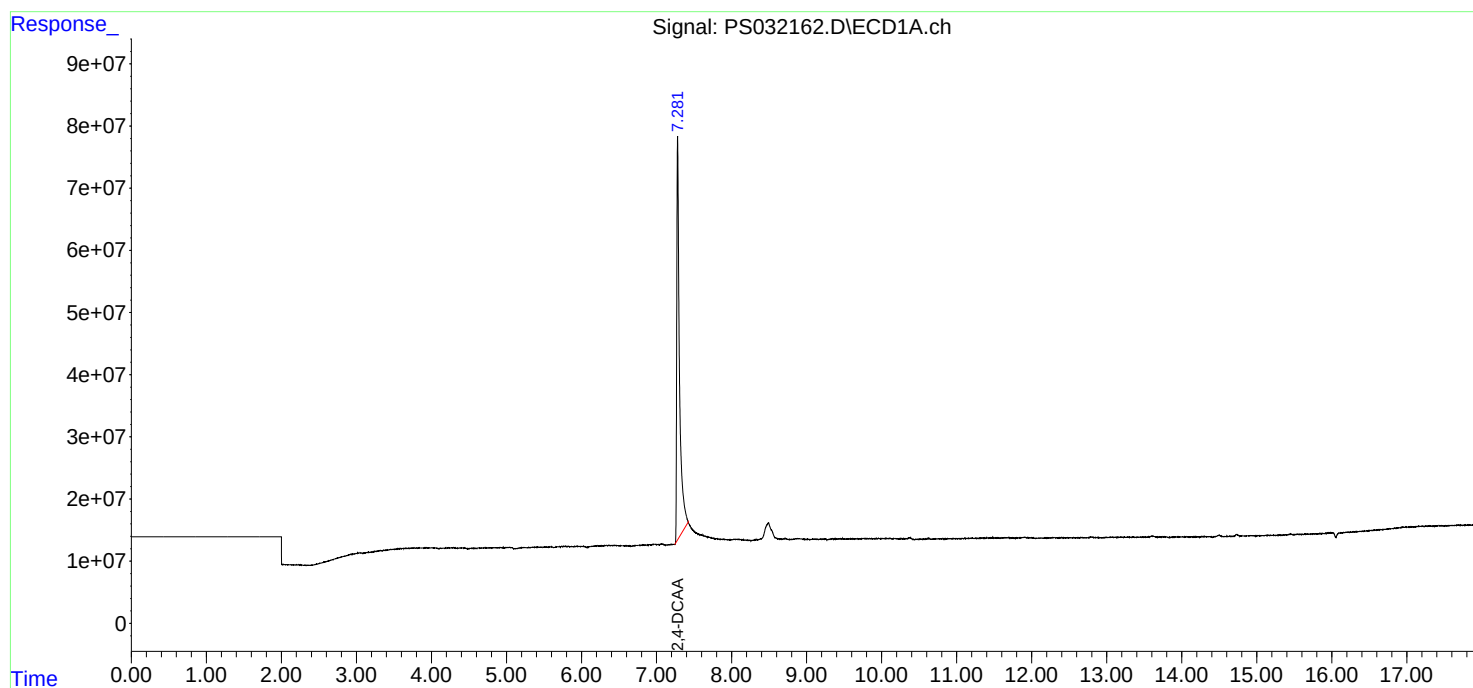
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032162.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 11:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

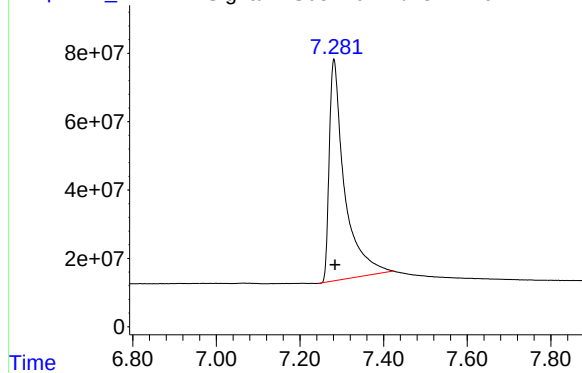
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 04:06:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:02:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PS032162.D\ECD1A.ch

#4 2,4-DCAA

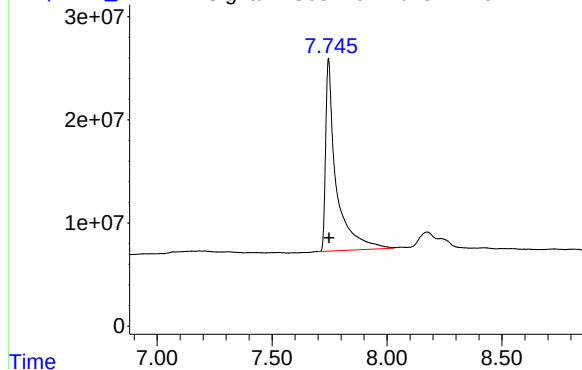


R.T.: 7.281 min
Delta R.T.: -0.003 min
Response: 1645734694
Conc: 380.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Time Response_ Signal: PS032162.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.745 min
Delta R.T.: -0.002 min
Response: 594004792
Conc: 543.20 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/27/25
Project:	RFP 905		Date Received:	10/27/25
Client Sample ID:	PIBLK-PS032181.D		SDG No.:	Q3447
Lab Sample ID:	I.BLK-PS032181.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date:		TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/27/25	ps102725
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/27/25	ps102725
SURROGATES									
19719-28-9	2,4-DCAA	525			61 - 136	105%	SPK: 500		

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\PS102725\
Data File : PS032181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 21:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:23:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.278	7.748	1775.3E6	574.3E6	410.604	525.134 #

Target Compounds

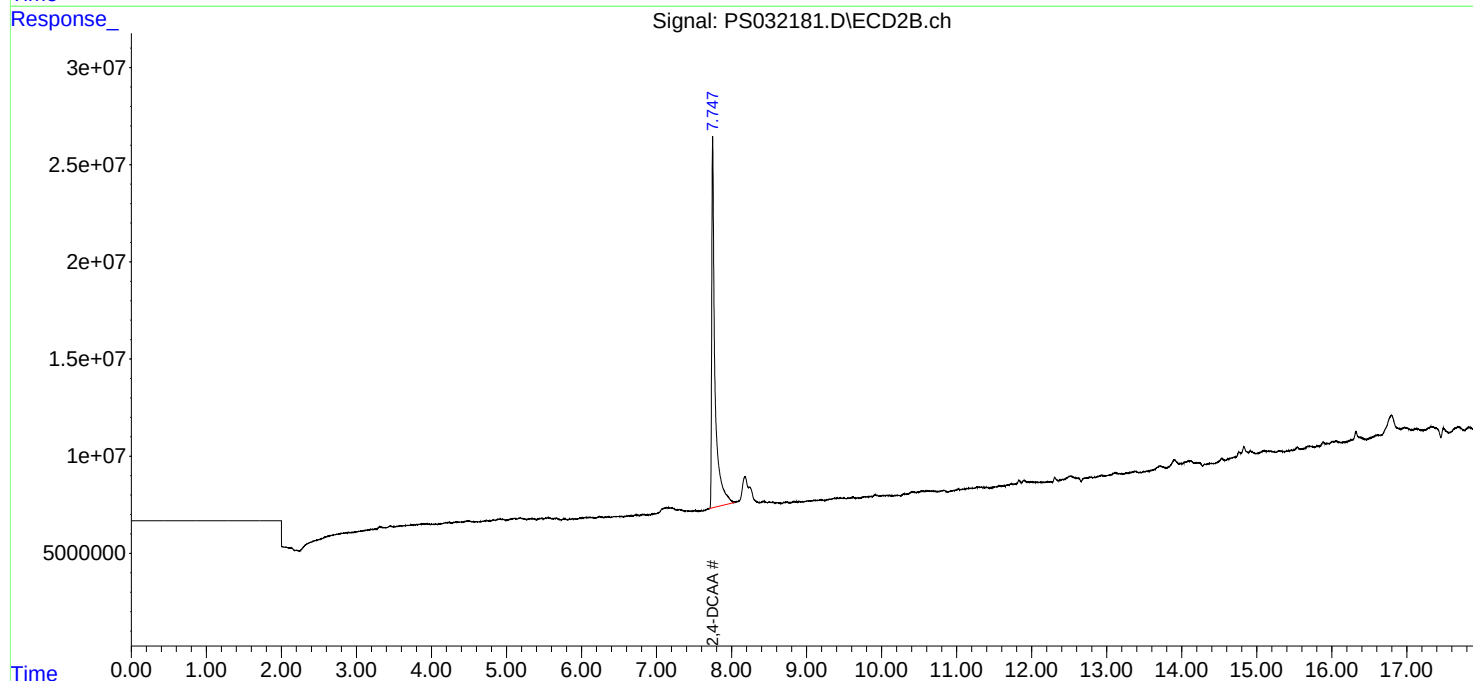
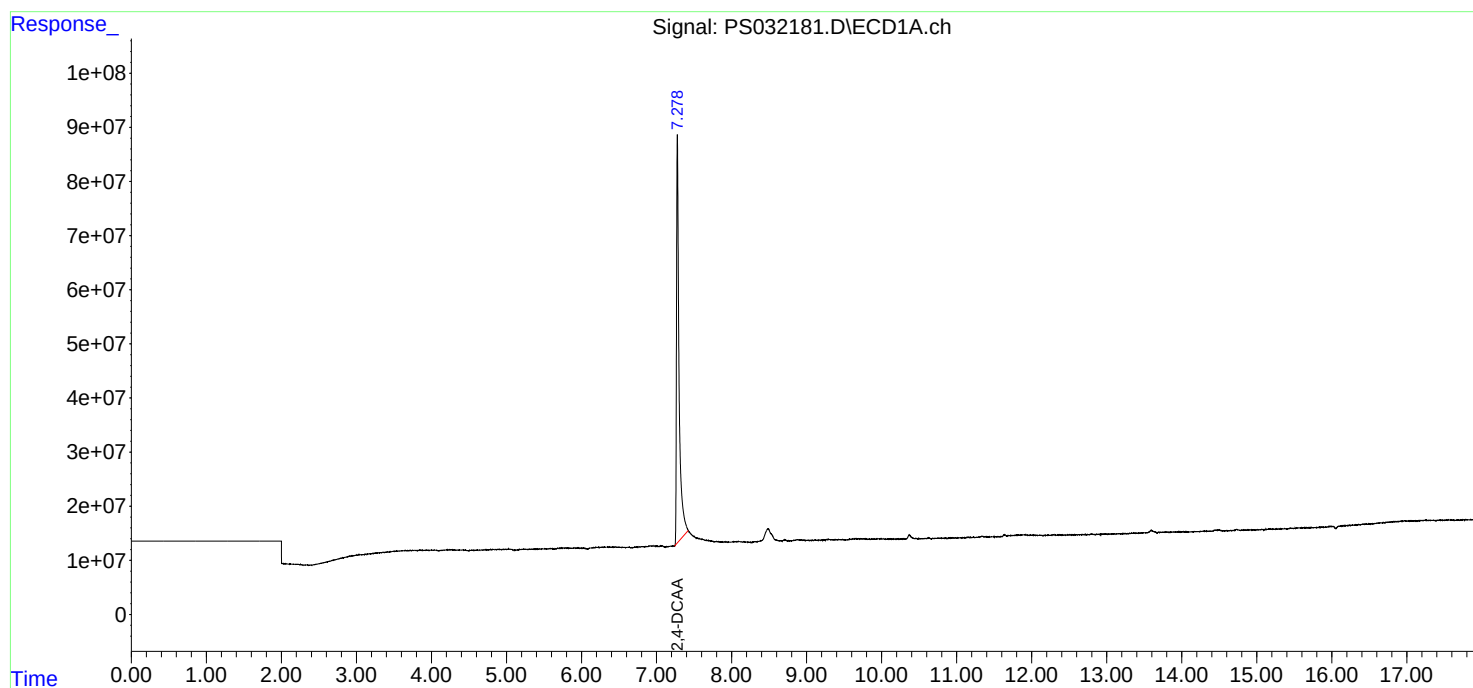
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

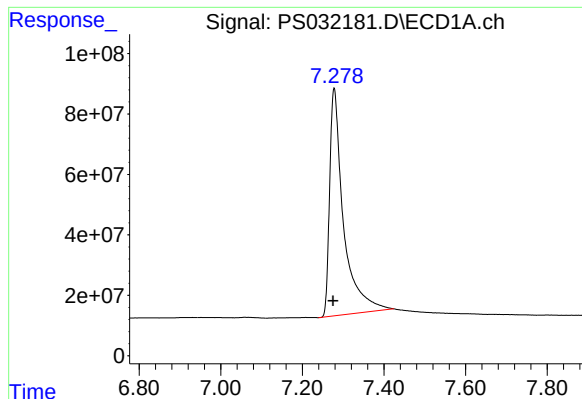
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032181.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 21:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:23:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

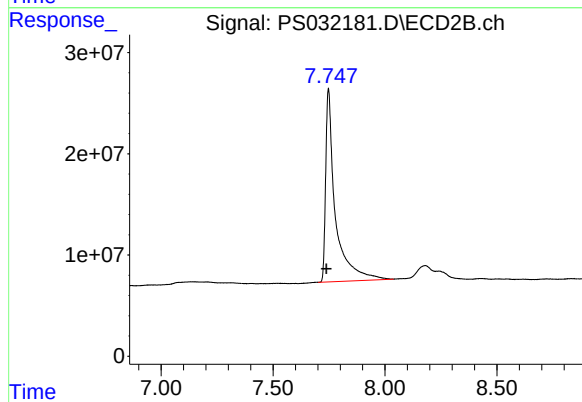




#4 2,4-DCAA

R.T.: 7.278 min
Delta R.T.: 0.003 min
Response: 1775311593
Conc: 410.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.748 min
Delta R.T.: 0.010 min
Response: 574252589
Conc: 525.13 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/28/25
Project:	RFP 905		Date Received:	10/28/25
Client Sample ID:	PIBLK-PS032193.D		SDG No.:	Q3447
Lab Sample ID:	I.BLK-PS032193.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date:	TCLP Herbicide	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/28/25	ps102725
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/28/25	ps102725
SURROGATES									
19719-28-9	2,4-DCAA	526			61 - 136	105%	SPK: 500		

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\PS102725\
Data File : PS032193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 03:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:25:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.280	7.754	1809.8E6	575.1E6	418.580	525.914 #

Target Compounds

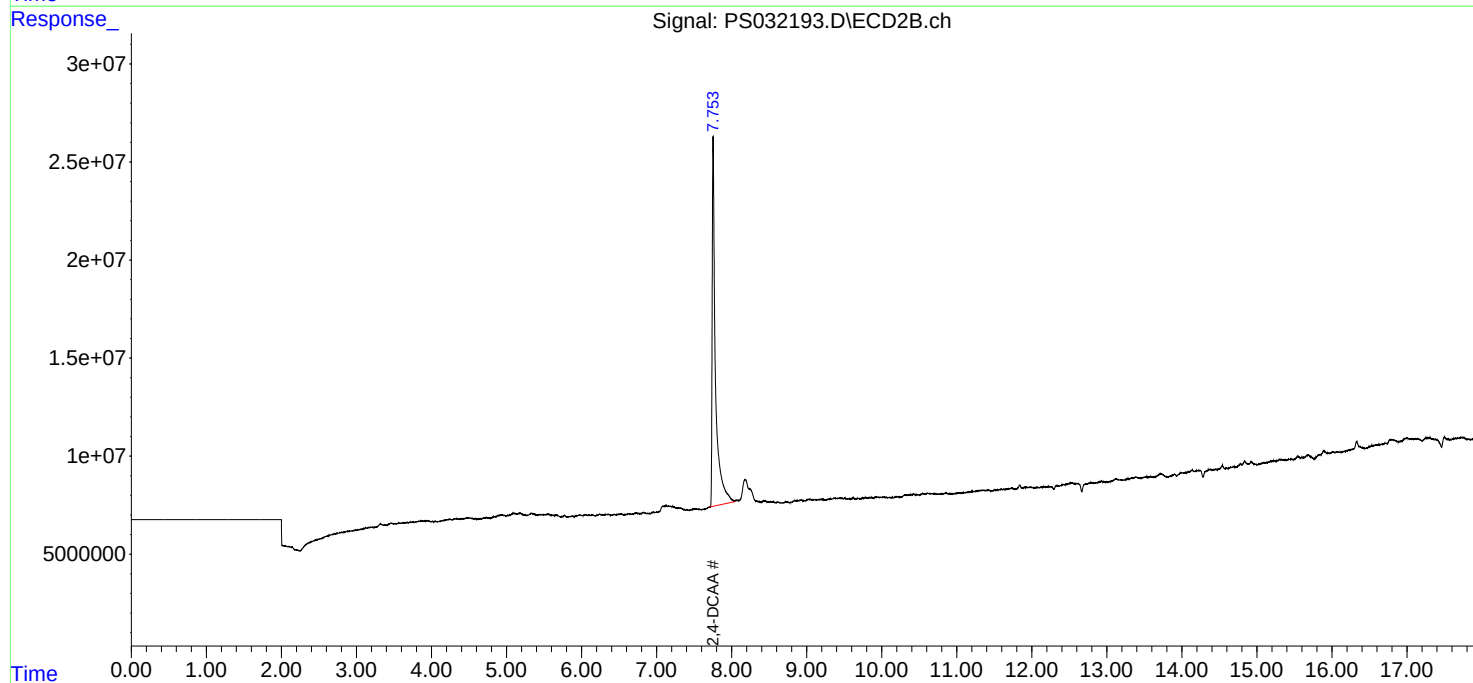
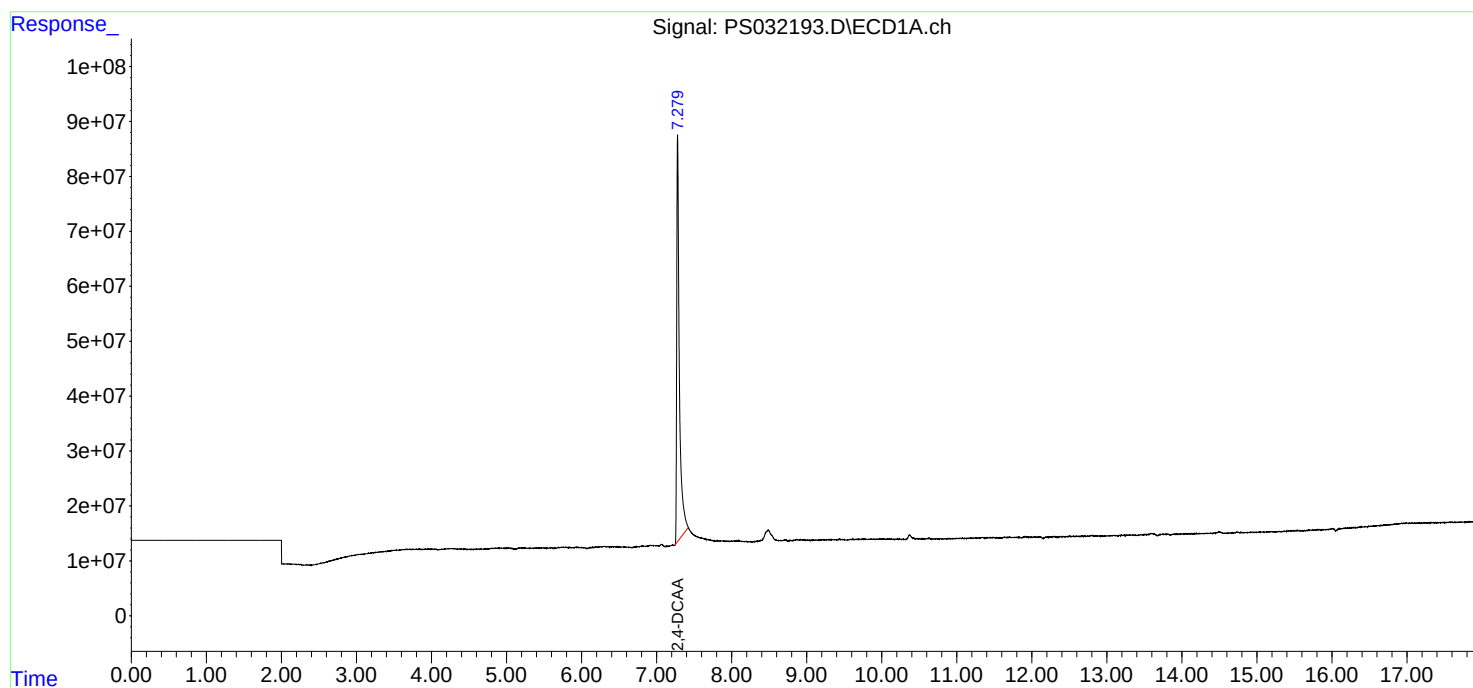
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

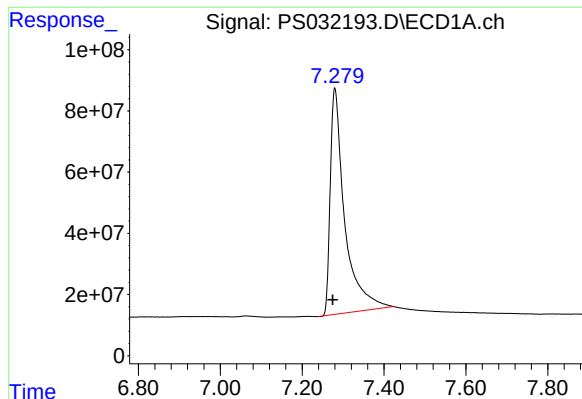
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 03:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:25:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

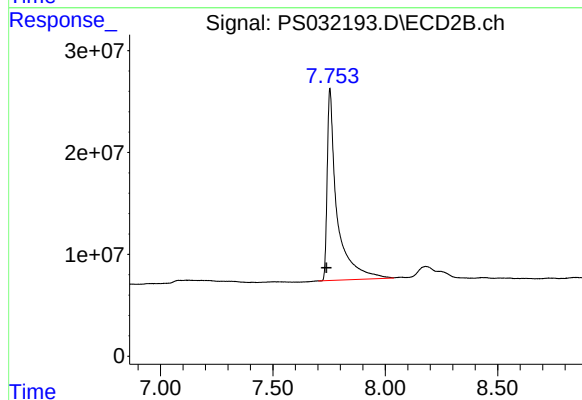




#4 2,4-DCAA

R.T.: 7.280 min
Delta R.T.: 0.005 min
Response: 1809796942
Conc: 418.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.754 min
Delta R.T.: 0.016 min
Response: 575105392
Conc: 525.91 ng/ml

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/28/25	
Project: RFP 905	Date Received: 10/28/25	
Client Sample ID: PIBLK-PS032202.D	SDG No.: Q3447	
Lab Sample ID: I.BLK-PS032202.D	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 10000 uL	Test: TCLP Herbicide	
Prep Method: SW3510C Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/28/25	PS102725
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/28/25	PS102725
SURROGATES									
19719-28-9	2,4-DCAA	520			61 - 136	104%	SPK: 500		

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\PS102725\
Data File : PS032202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 08:36
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 09:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.280	7.758	1808.3E6	568.2E6	418.228	519.643

Target Compounds

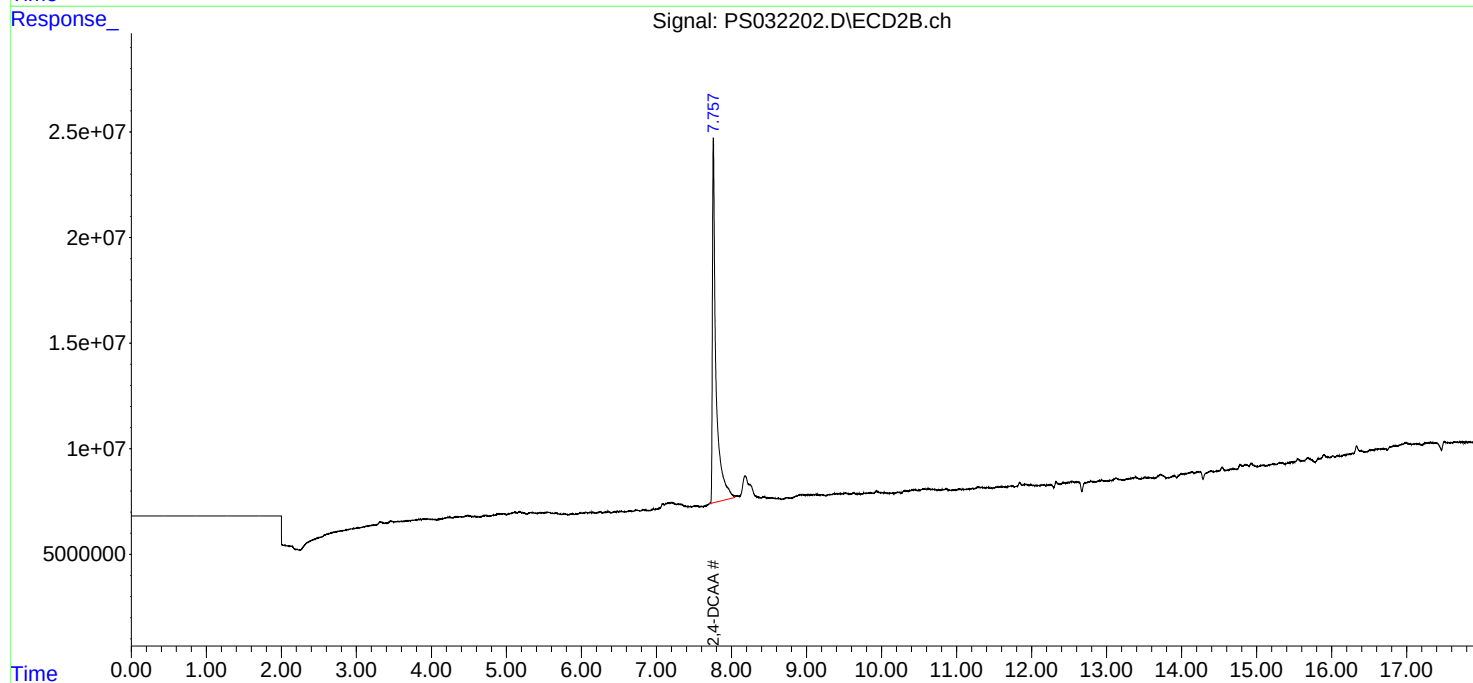
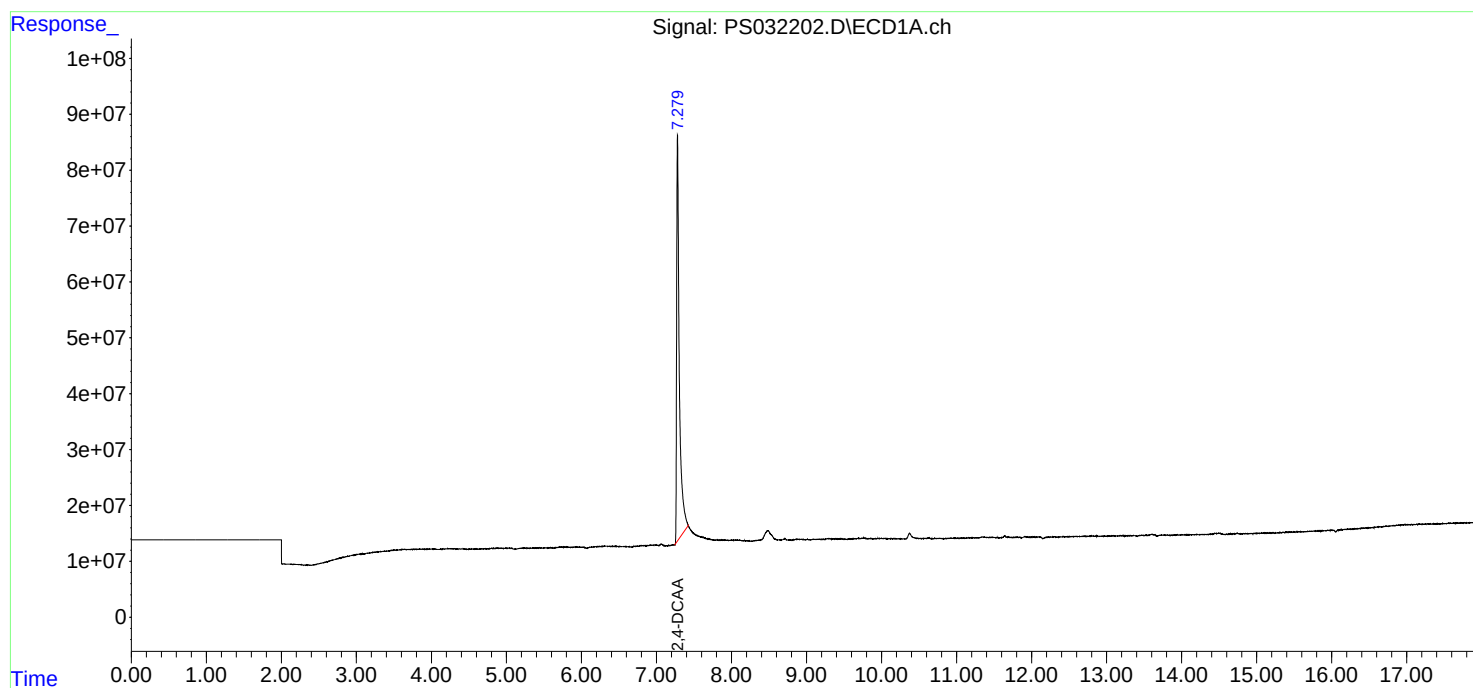
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

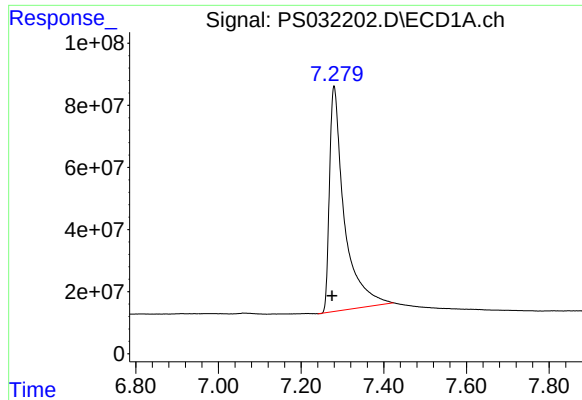
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 08:36
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 09:07:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 7.280 min

Delta R.T.: 0.005 min

Response: 1808276205

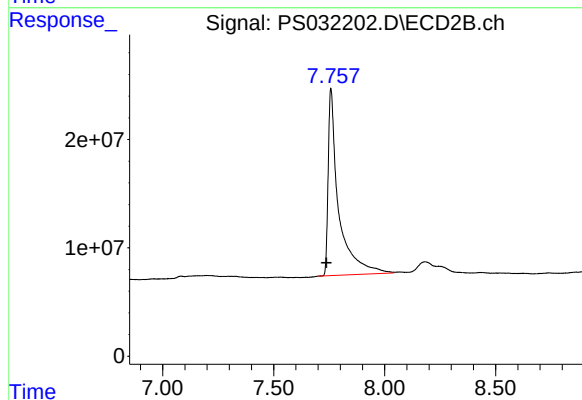
Conc: 418.23 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.758 min

Delta R.T.: 0.020 min

Response: 568247493

Conc: 519.64 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/28/25
Project:	RFP 905		Date Received:	10/28/25
Client Sample ID:	PIBLK-PS032205.D		SDG No.:	Q3447
Lab Sample ID:	I.BLK-PS032205.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date:	TCLP Herbicide	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/28/25	PS102825
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/28/25	PS102825
SURROGATES									
19719-28-9	2,4-DCAA	530			61 - 136	106%	SPK: 500		

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\PS102825\
Data File : PS032205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 11:13
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: Oct 28 13:28:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.282	7.760	1780.1E6	580.1E6	411.722	530.481 #

Target Compounds

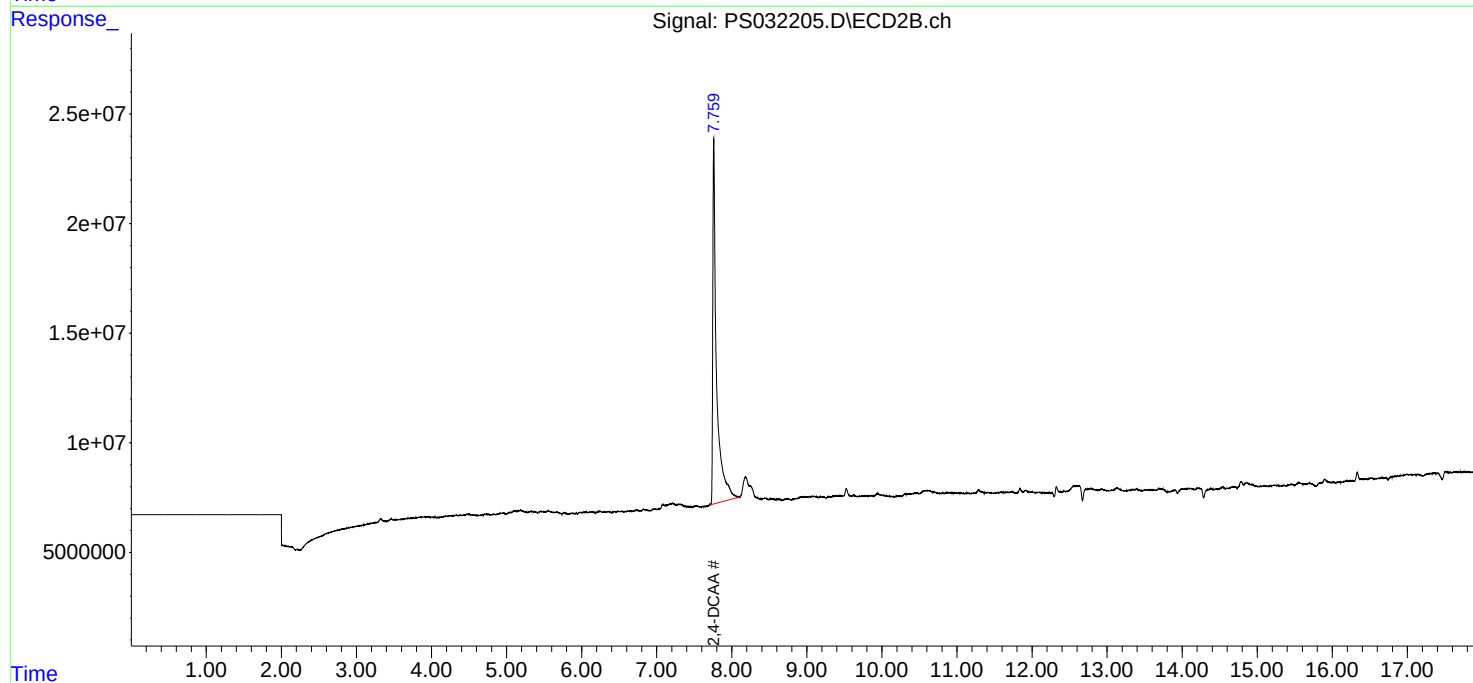
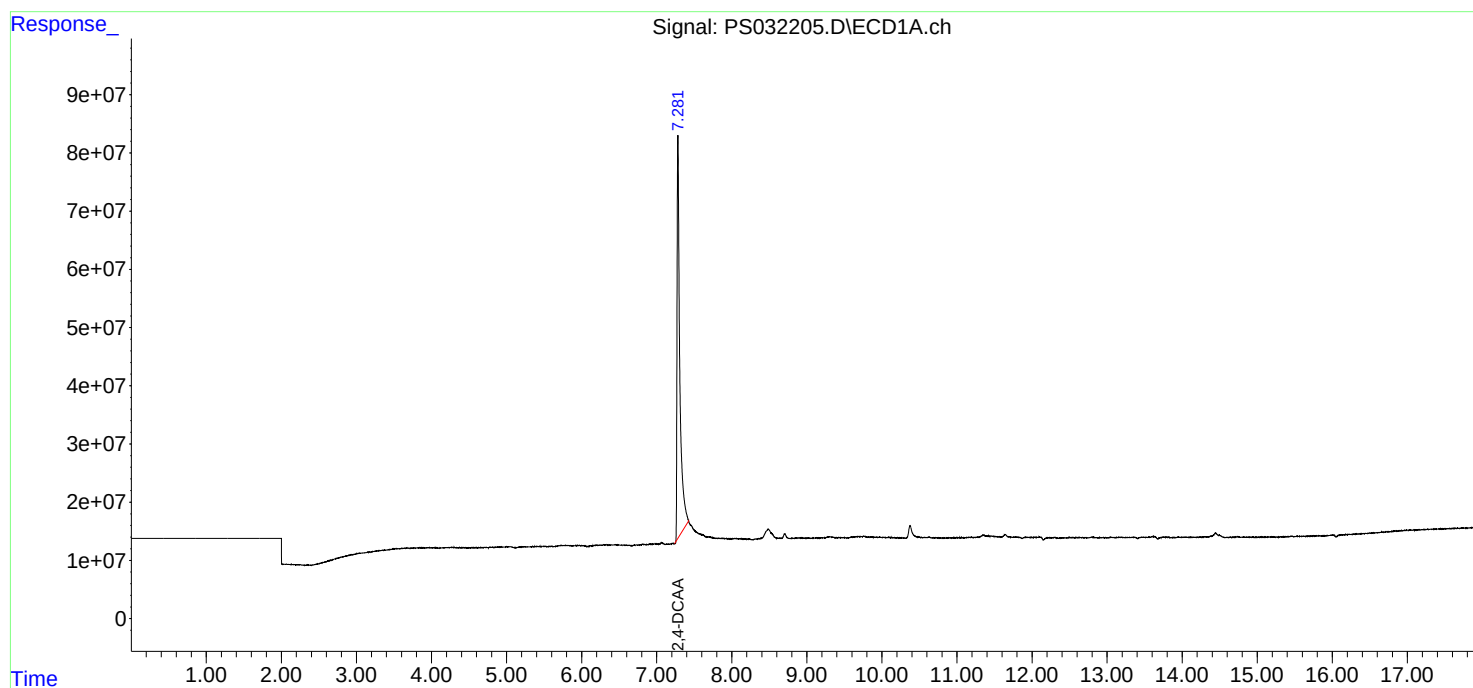
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

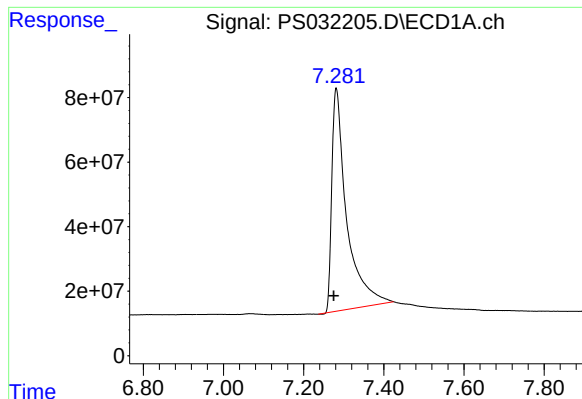
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102825\
Data File : PS032205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 11:13
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 13:28:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

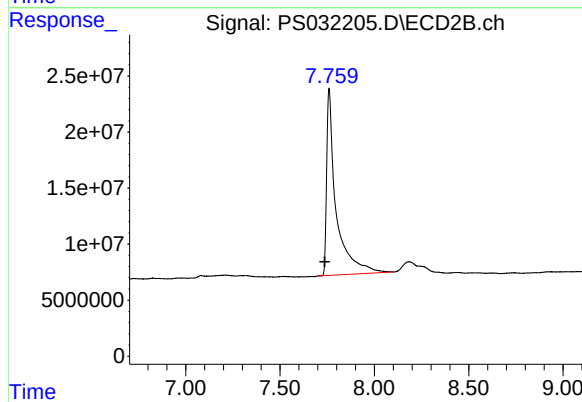




#4 2,4-DCAA

R.T.: 7.282 min
Delta R.T.: 0.007 min
Response: 1780149145
Conc: 411.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.760 min
Delta R.T.: 0.022 min
Response: 580099553
Conc: 530.48 ng/ml



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/28/25
Project:	RFP 905		Date Received:	10/28/25
Client Sample ID:	PIBLK-PS032216.D		SDG No.:	Q3447
Lab Sample ID:	I.BLK-PS032216.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date:		TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/28/25	ps102825
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/28/25	ps102825
SURROGATES									
19719-28-9	2,4-DCAA	488			61 - 136	98%	SPK: 500		

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\PS102825\
Data File : PS032216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 17:17
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: Oct 29 03:31:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	7.280	7.762	1858.9E6	533.2E6	429.930	487.629

Target Compounds

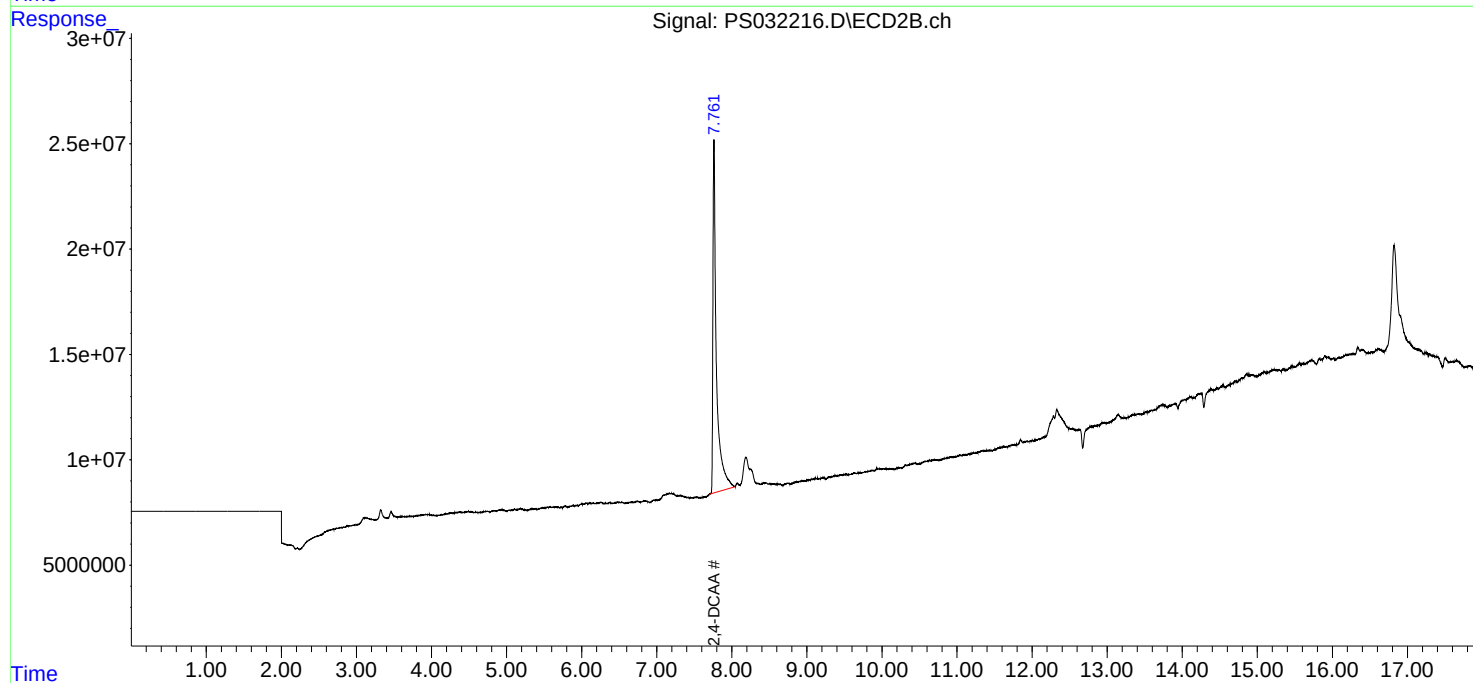
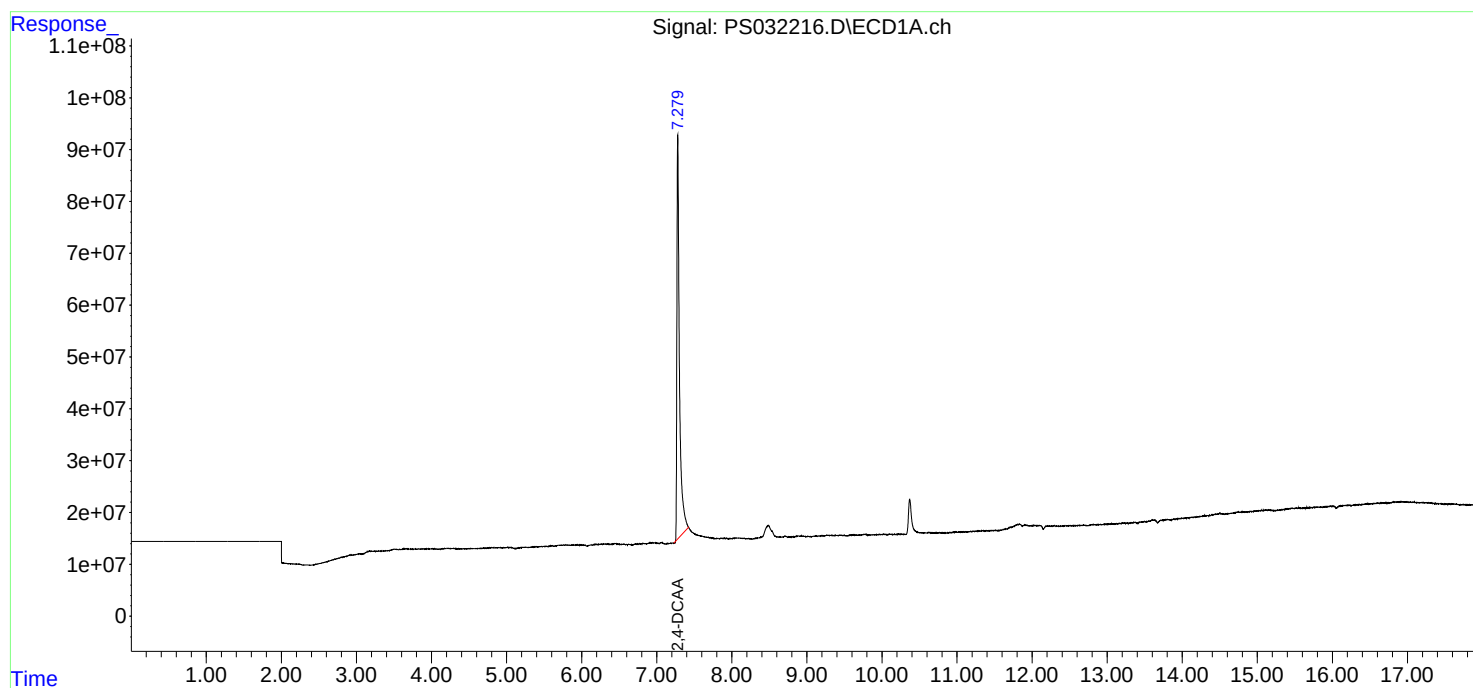
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

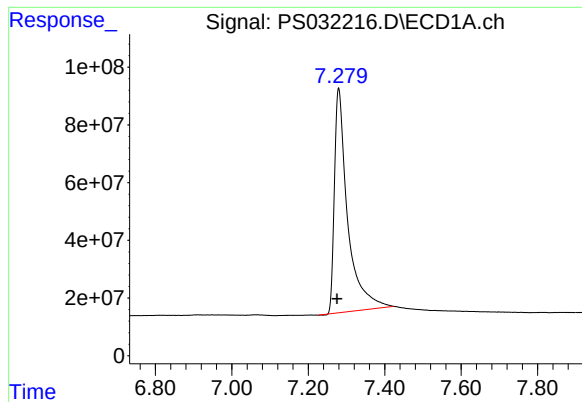
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102825\
Data File : PS032216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 17:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 03:31:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 7.280 min

Delta R.T.: 0.004 min

Response: 1858870842

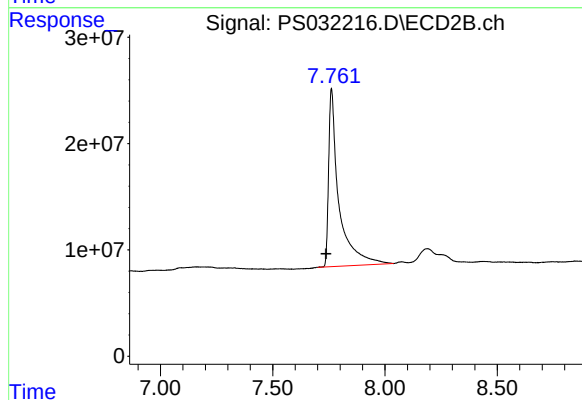
Conc: 429.93 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.762 min

Delta R.T.: 0.024 min

Response: 533239482

Conc: 487.63 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 905		Date Received:	
Client Sample ID:	PB170269BS		SDG No.:	Q3447
Lab Sample ID:	PB170269BS		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/27/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	5.10		1	0.92	2.00	ug/L	10/28/25 05:21	PB170269
93-72-1	2,4,5-TP (Silvex)	5.00		1	0.78	2.00	ug/L	10/28/25 05:21	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	525			61 - 136	105%	SPK: 500		

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\PS102725\
 Data File : PS032196.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 05:21
 Operator : AR\AJ
 Sample : PB170269BS
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB170269BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025

10/28/2025

Supervised By :mohammad
ahmed

10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 06:26:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.277	7.750	2269.2E6	521.0E6	524.832	476.403
Target Compounds							
1) T	Dalapon	2.657	2.693	3112.0E6	1623.0E6	431.553	441.286
2) T	3,5-DICHL...	6.444	6.703	3023.4E6	843.5E6	478.159	448.201
3) T	4-Nitroph...	7.100	7.322	478.0E6	561.4E6	440.488m	353.913m
5) T	DICAMBA	7.457	7.942	8856.5E6	3688.4E6	479.413	451.680
6) T	MCPD	7.633	8.037	493.0E6	112.6E6	45.789	44.036
7) T	MCPA	7.781	8.284	610.9E6	151.9E6	46.918	43.392
8) T	DICHLORPROP	8.166	8.663	2079.7E6	826.7E6	478.112	449.927
9) T	2,4-D	8.408	9.011	2116.9E6	851.4E6	510.914	440.988
10) T	Pentachlo...	8.693	9.511	33616.8E6	24220.4E6	544.817	498.723
11) T	2,4,5-TP ...	9.272	9.896	12373.6E6	8857.1E6	501.300	468.585
12) T	2,4,5-T	9.572	10.329	11290.1E6	7416.4E6	541.999	459.878
13) T	2,4-DB	10.151	10.899	1208.1E6	526.4E6	524.969	381.522 #
14) T	DINOSEB	11.336	11.266	9389.6E6	6270.6E6	489.045	454.715
15) T	Picloram	11.183	12.401	7543.1E6	11668.3E6	400.556	401.397
16) T	DCPA	11.635	12.307	16327.9E6	15242.8E6	509.602	489.499

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 05:21
Operator : AR\AJ
Sample : PB170269BS
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB170269BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025

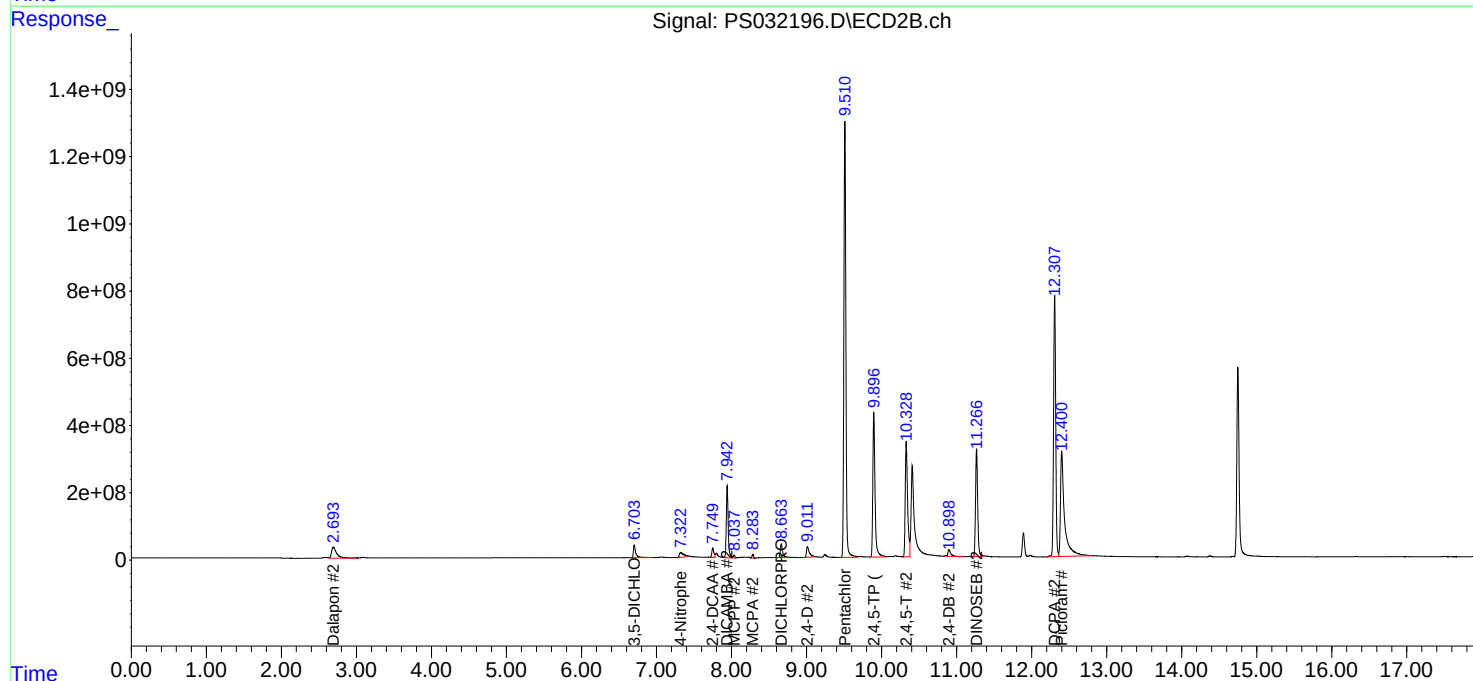
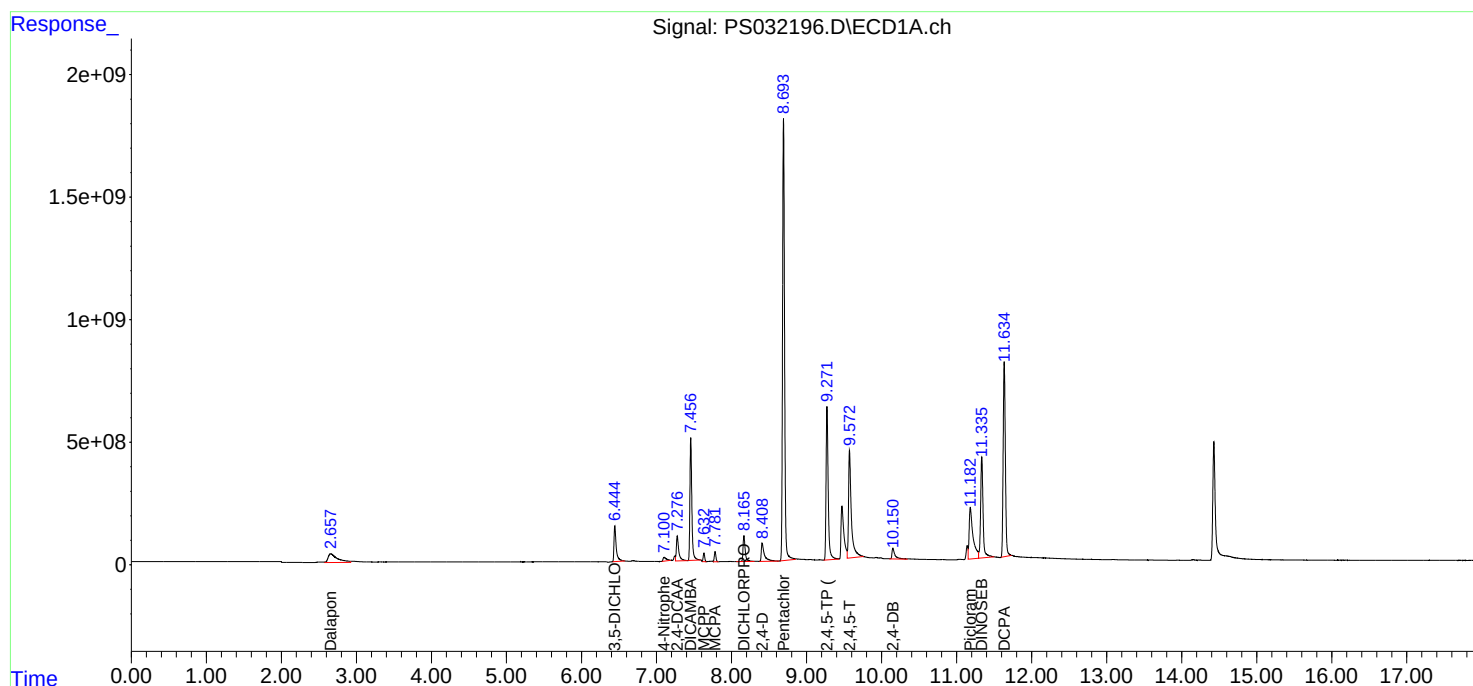
10/28/2025

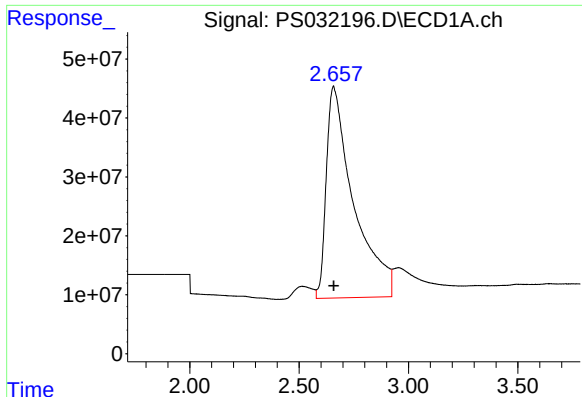
Supervised By :mohammad
ahmed

10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 06:26:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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.: 2.657 min
 Delta R.T.: -0.001 min
 Response: 3111985746
 Conc: 431.55 ng/ml

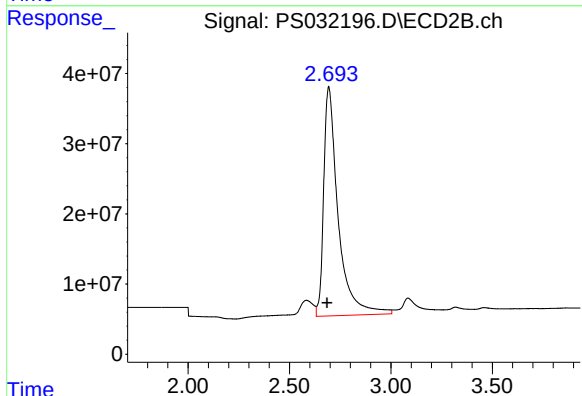
Instrument :
 ECD_S
 ClientSampleId :
 PB170269BS

Manual Integrations
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Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

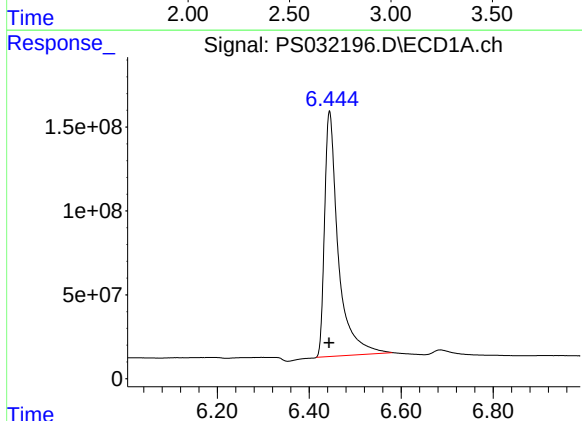
10/28/2025
 Supervised By :mohammad
 ahmed

10/29/2025



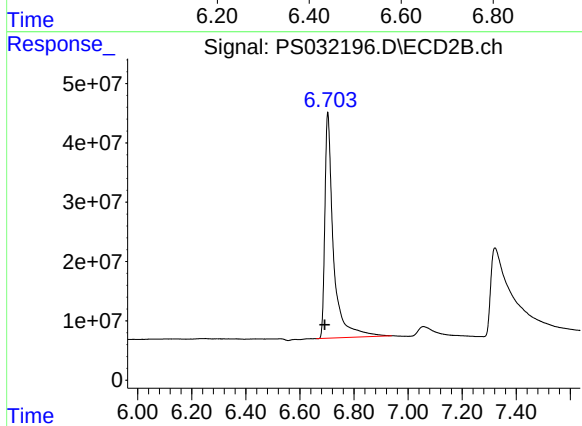
#1 Dalapon

R.T.: 2.693 min
 Delta R.T.: 0.008 min
 Response: 1623040444
 Conc: 441.29 ng/ml



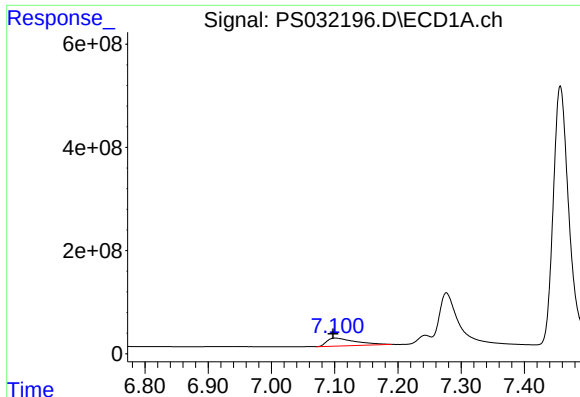
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.444 min
 Delta R.T.: 0.001 min
 Response: 3023362007
 Conc: 478.16 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.703 min
 Delta R.T.: 0.011 min
 Response: 843506082
 Conc: 448.20 ng/ml



#3 4-Nitrophenol

R.T.: 7.100 min
Delta R.T.: 0.002 min
Response: 477951394
Conc: 440.49 ng/ml

Instrument :

ECD_S

ClientSampleId :
PB170269BS

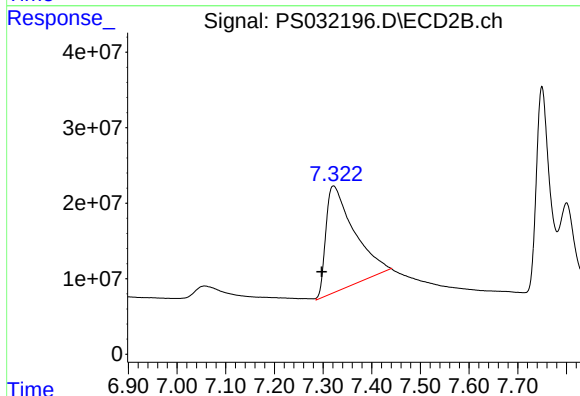
**Manual Integrations
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Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

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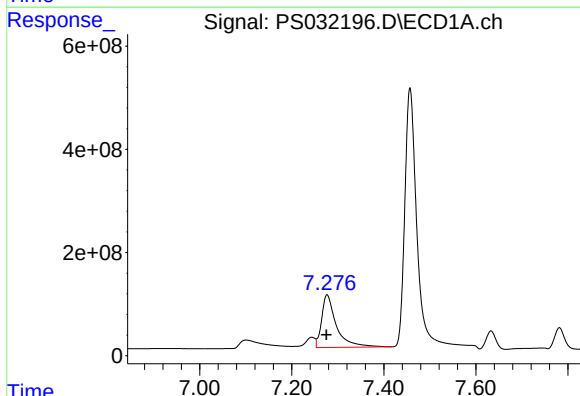
Supervised By :mohammad
ahmed

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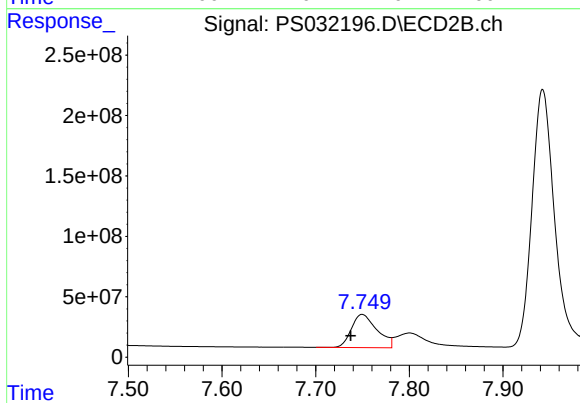
#3 4-Nitrophenol

R.T.: 7.322 min
Delta R.T.: 0.024 min
Response: 561422575
Conc: 353.91 ng/ml m



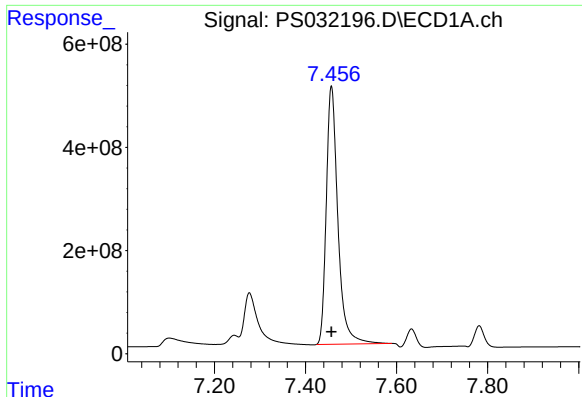
#4 2,4-DCAA

R.T.: 7.277 min
Delta R.T.: 0.002 min
Response: 2269194866
Conc: 524.83 ng/ml



#4 2,4-DCAA

R.T.: 7.750 min
Delta R.T.: 0.012 min
Response: 520962867
Conc: 476.40 ng/ml



#5 DICAMBA

R.T.: 7.457 min
Delta R.T.: 0.000 min
Response: 8856484780
Conc: 479.41 ng/ml

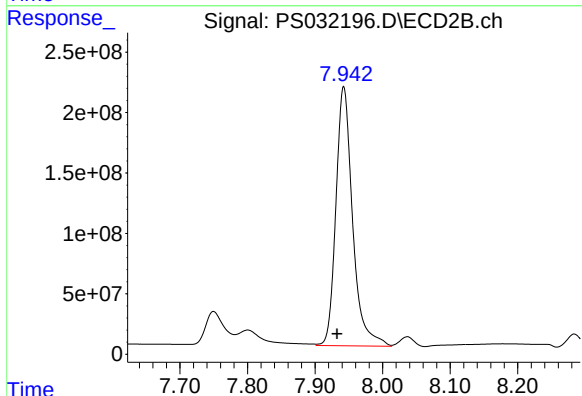
Instrument :
ECD_S
ClientSampleId :
PB170269BS

Manual Integrations
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Supervised By :mohammad ahmed 10/29/2025

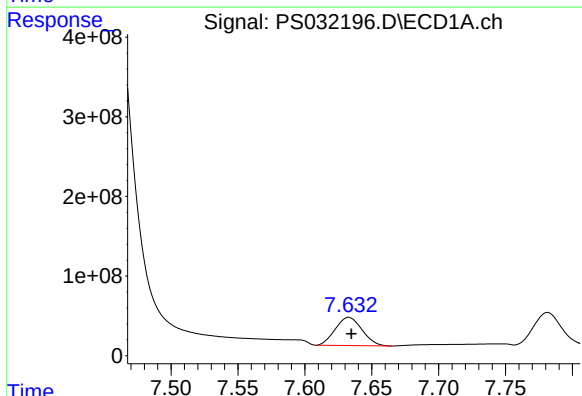
10/28/2025
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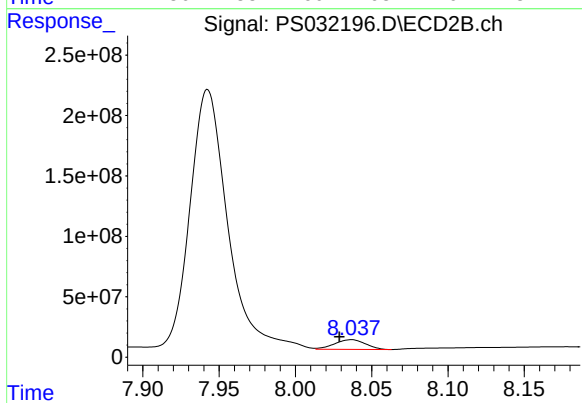
#5 DICAMBA

R.T.: 7.942 min
Delta R.T.: 0.010 min
Response: 3688408013
Conc: 451.68 ng/ml



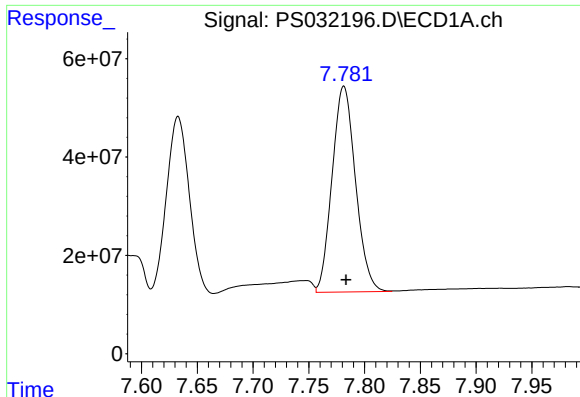
#6 MCPP

R.T.: 7.633 min
Delta R.T.: -0.002 min
Response: 492998684
Conc: 45.79 ug/ml



#6 MCPP

R.T.: 8.037 min
Delta R.T.: 0.008 min
Response: 112621954
Conc: 44.04 ug/ml



#7 MCPA

R.T.: 7.781 min
Delta R.T.: -0.002 min
Response: 610923282
Conc: 46.92 ug/ml

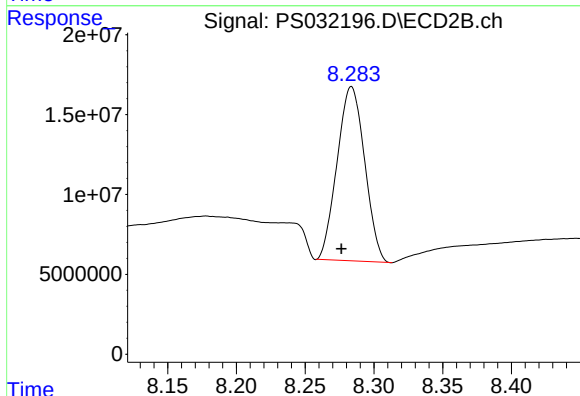
Instrument :
ECD_S
ClientSampleId :
PB170269BS

Manual Integrations
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Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

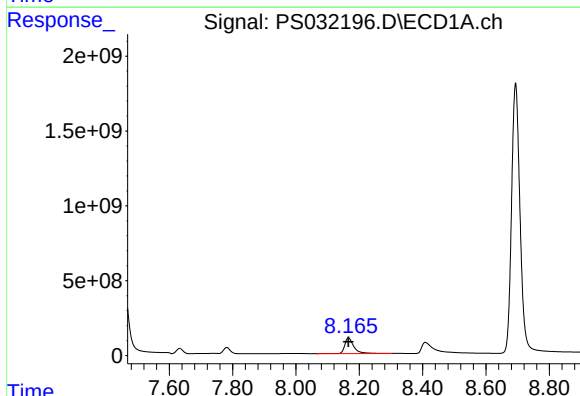
10/28/2025
Supervised By :mohammad
ahmed

10/29/2025



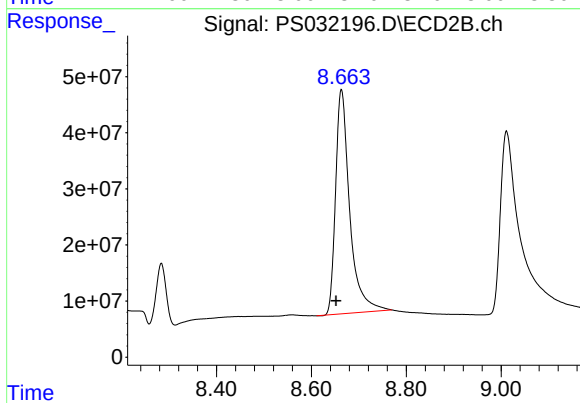
#7 MCPA

R.T.: 8.284 min
Delta R.T.: 0.007 min
Response: 151949991
Conc: 43.39 ug/ml



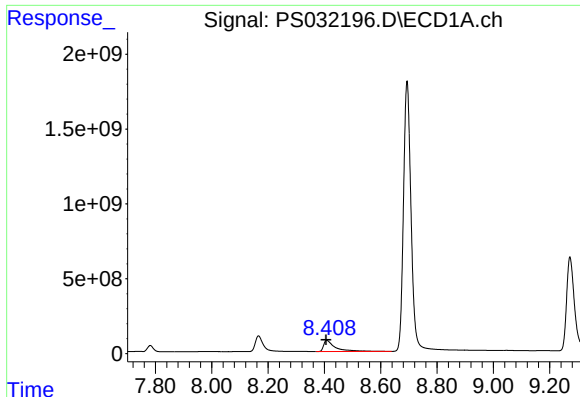
#8 DICHLORPROP

R.T.: 8.166 min
Delta R.T.: 0.000 min
Response: 2079679029
Conc: 478.11 ng/ml



#8 DICHLORPROP

R.T.: 8.663 min
Delta R.T.: 0.011 min
Response: 826699262
Conc: 449.93 ng/ml



#9 2,4-D

R.T.: 8.408 min
Delta R.T.: 0.003 min
Response: 2116917957
Conc: 510.91 ng/ml

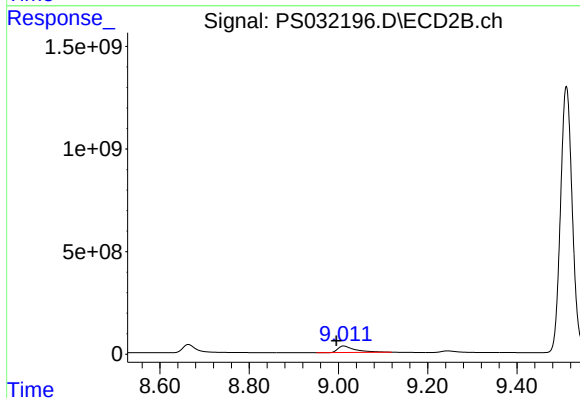
Instrument :
ECD_S
ClientSampleId :
PB170269BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

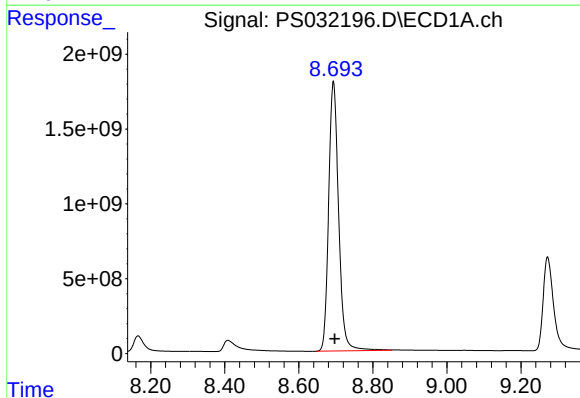
10/28/2025
Supervised By :mohammad
ahmed

10/29/2025



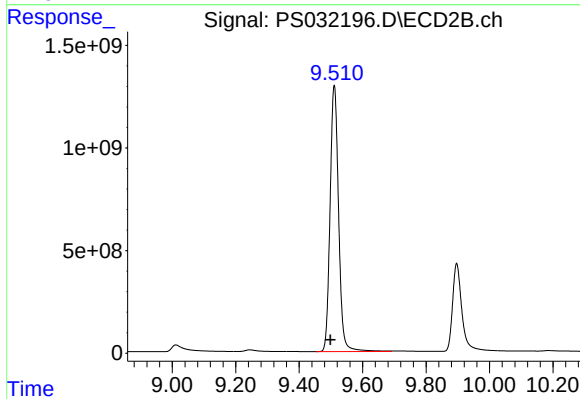
#9 2,4-D

R.T.: 9.011 min
Delta R.T.: 0.016 min
Response: 851409386
Conc: 440.99 ng/ml



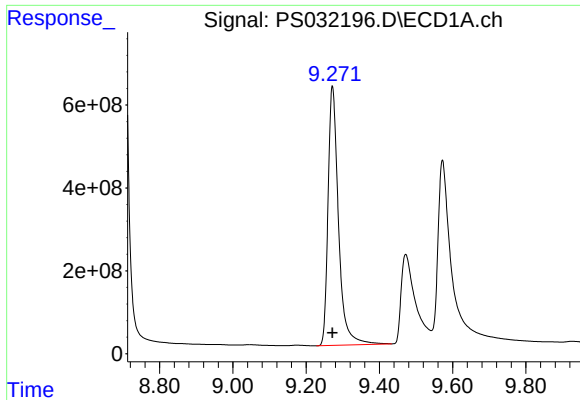
#10 Pentachlorophenol

R.T.: 8.693 min
Delta R.T.: -0.004 min
Response: 33616803676
Conc: 544.82 ng/ml



#10 Pentachlorophenol

R.T.: 9.511 min
Delta R.T.: 0.012 min
Response: 24220386489
Conc: 498.72 ng/ml



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

R.T.: 9.272 min
Delta R.T.: 0.000 min
Response: 12373616765
Conc: 501.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170269BS

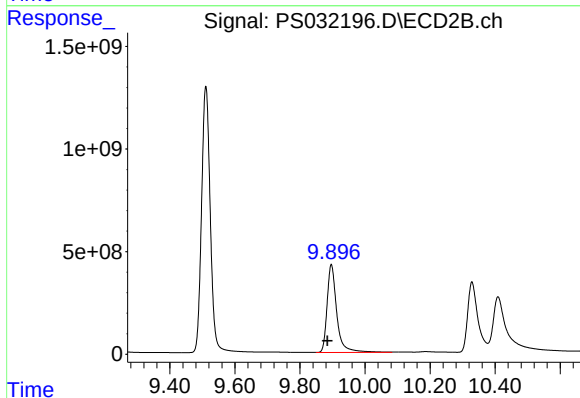
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

10/28/2025

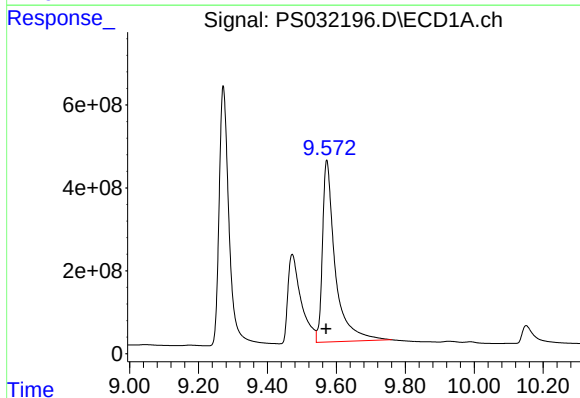
Supervised By :mohammad
ahmed

10/29/2025



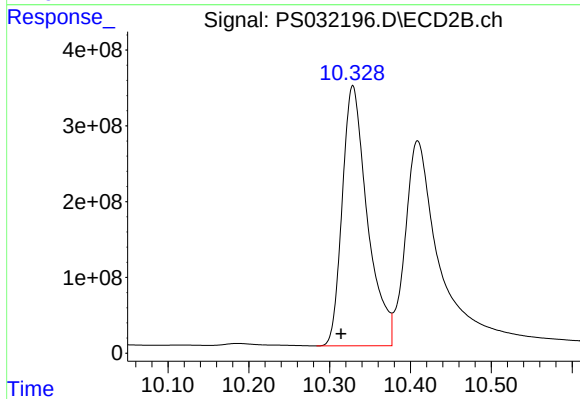
#11 2,4,5-TP (SILVEX)

R.T.: 9.896 min
Delta R.T.: 0.012 min
Response: 8857093967
Conc: 468.58 ng/ml



#12 2,4,5-T

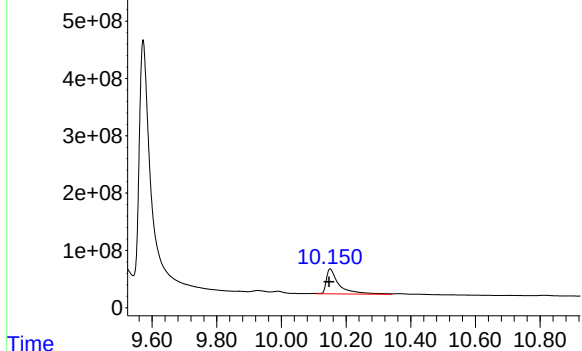
R.T.: 9.572 min
Delta R.T.: 0.002 min
Response: 11290145217
Conc: 542.00 ng/ml



#12 2,4,5-T

R.T.: 10.329 min
Delta R.T.: 0.015 min
Response: 7416359211
Conc: 459.88 ng/ml

Response_ Signal: PS032196.D\ECD1A.ch



#13 2,4-DB

R.T.: 10.151 min
Delta R.T.: 0.003 min
Response: 1208113831
Conc: 524.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170269BS

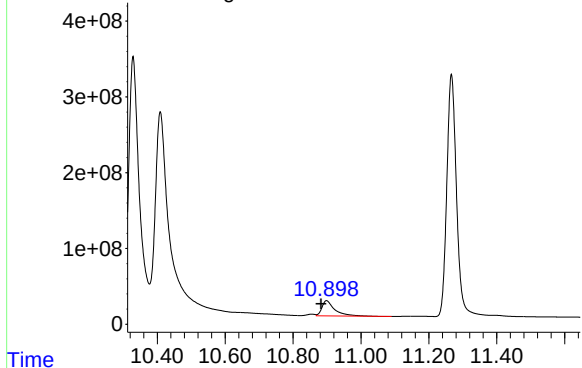
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

10/28/2025
Supervised By :mohammad
ahmed

10/29/2025

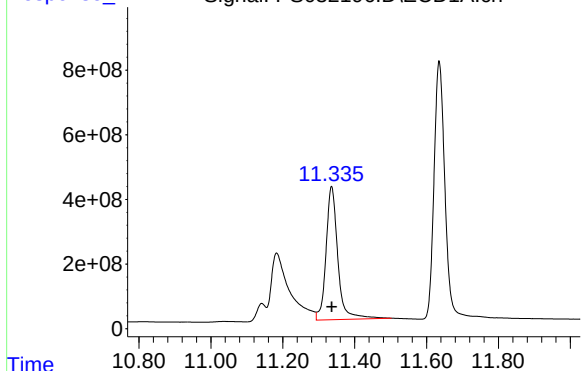
Response_ Signal: PS032196.D\ECD2B.ch



#13 2,4-DB

R.T.: 10.899 min
Delta R.T.: 0.016 min
Response: 526424234
Conc: 381.52 ng/ml

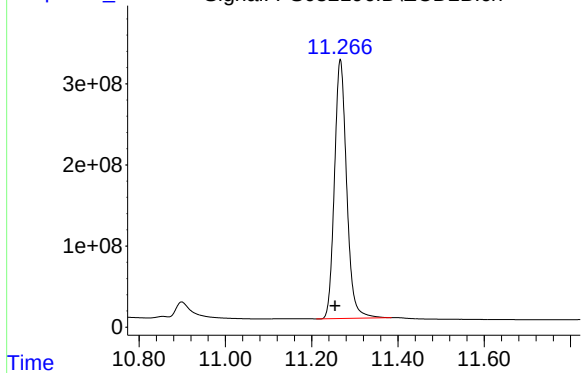
Response_ Signal: PS032196.D\ECD1A.ch



#14 DINOSEB

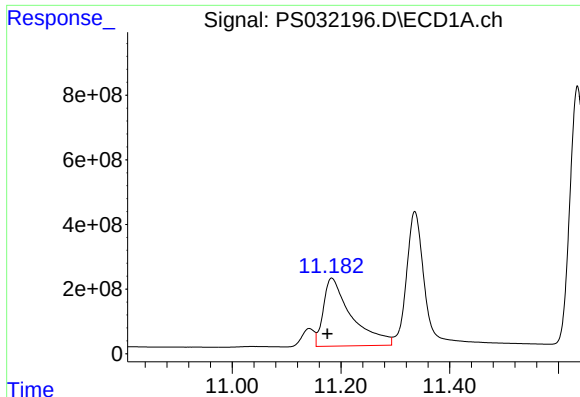
R.T.: 11.336 min
Delta R.T.: 0.000 min
Response: 9389599075
Conc: 489.04 ng/ml

Response_ Signal: PS032196.D\ECD2B.ch



#14 DINOSEB

R.T.: 11.266 min
Delta R.T.: 0.012 min
Response: 6270648872
Conc: 454.72 ng/ml



#15 Picloram

R.T.: 11.183 min
Delta R.T.: 0.008 min
Response: 7543125651
Conc: 400.56 ng/ml

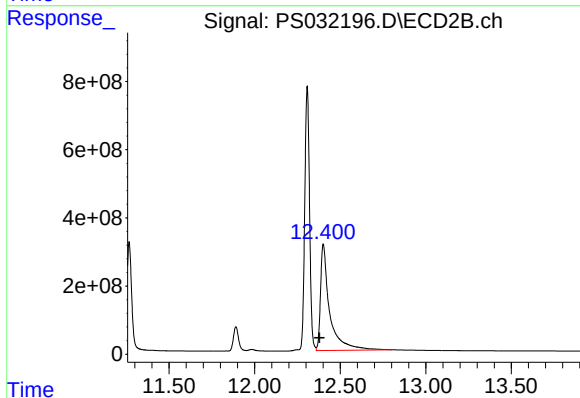
Instrument :
ECD_S
ClientSampleId :
PB170269BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

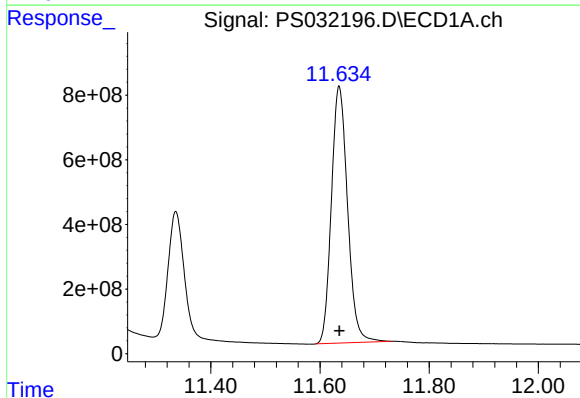
10/28/2025
Supervised By :mohammad
ahmed

10/29/2025



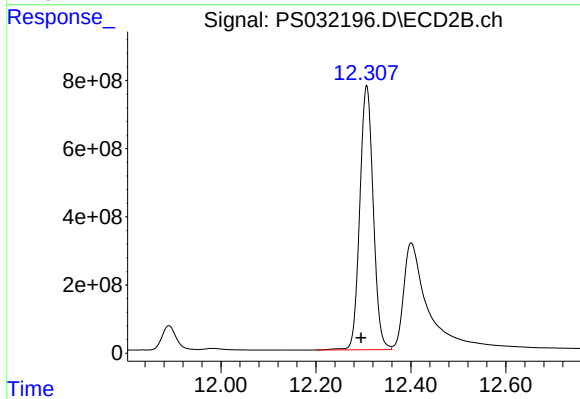
#15 Picloram

R.T.: 12.401 min
Delta R.T.: 0.022 min
Response: 11668271729
Conc: 401.40 ng/ml



#16 DCPA

R.T.: 11.635 min
Delta R.T.: 0.000 min
Response: 16327857932
Conc: 509.60 ng/ml



#16 DCPA

R.T.: 12.307 min
Delta R.T.: 0.012 min
Response: 15242825356
Conc: 489.50 ng/ml



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/23/25
Project:	RFP 905		Date Received:	10/23/25
Client Sample ID:	P001-TW1-251023-01MS		SDG No.:	Q3447
Lab Sample ID:	Q3447-02MS		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/27/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	41.2		1	9.20	20.0	ug/L	10/28/25 06:35	PB170269
93-72-1	2,4,5-TP (Silvex)	29.0		1	7.80	20.0	ug/L	10/28/25 06:35	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	456			61 - 136	91%	SPK: 500		

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\PS102725\
 Data File : PS032199.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 06:35
 Operator : AR\AJ
 Sample : Q3447-02MS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 P001-TW1-251023-01MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 07:43:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.273	7.744	1972.1E6	138.7E6	456.117	126.807m#
Target Compounds							
1) T	Dalapon	2.651	2.688	586.5E6	2257.4E6	81.337m	613.759m#
2) T	3,5-DICHL...	6.442	6.697	1442.2E6	385.0E6	228.084	204.572m
3) T	4-Nitroph...	7.104	7.280	332.2E6	60207121	306.157	37.954m#
5) T	DICAMBA	7.456	7.941	3992.3E6	1751.9E6	216.108	214.533m
7) T	MCPA	7.778	8.280	408.8E6	53811714	31.396	15.367m#
8) T	DICHLORPROP	8.163	8.657	1070.1E6	339.0E6	246.008	184.492 #
9) T	2,4-D	8.402	9.002	1140.3E6	794.9E6	275.217	411.741 #
10) T	Pentachlo...	8.693	9.509	14917.2E6	10757.5E6	241.758	221.507m
11) T	2,4,5-TP ...	9.270	9.892	6701.3E6	5487.2E6	271.492	290.301m
12) T	2,4,5-T	9.567	10.324	4979.3E6	3863.0E6	239.039m	239.541m
13) T	2,4-DB	10.145	10.890	744.0E6	166.1E6	323.286	120.414m#
14) T	DINOSEB	11.335	11.267	2917.3E6	2340.9E6	151.946	169.747
15) T	Picloram	11.171	12.388	4462.2E6	5519.5E6	236.954	189.874m
16) T	DCPA	11.633	12.306	7077.8E6	7285.1E6	220.901	233.948m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 06:35
Operator : AR\AJ
Sample : Q3447-02MS
Misc :
ALS Vial : 35 Sample Multiplier: 1

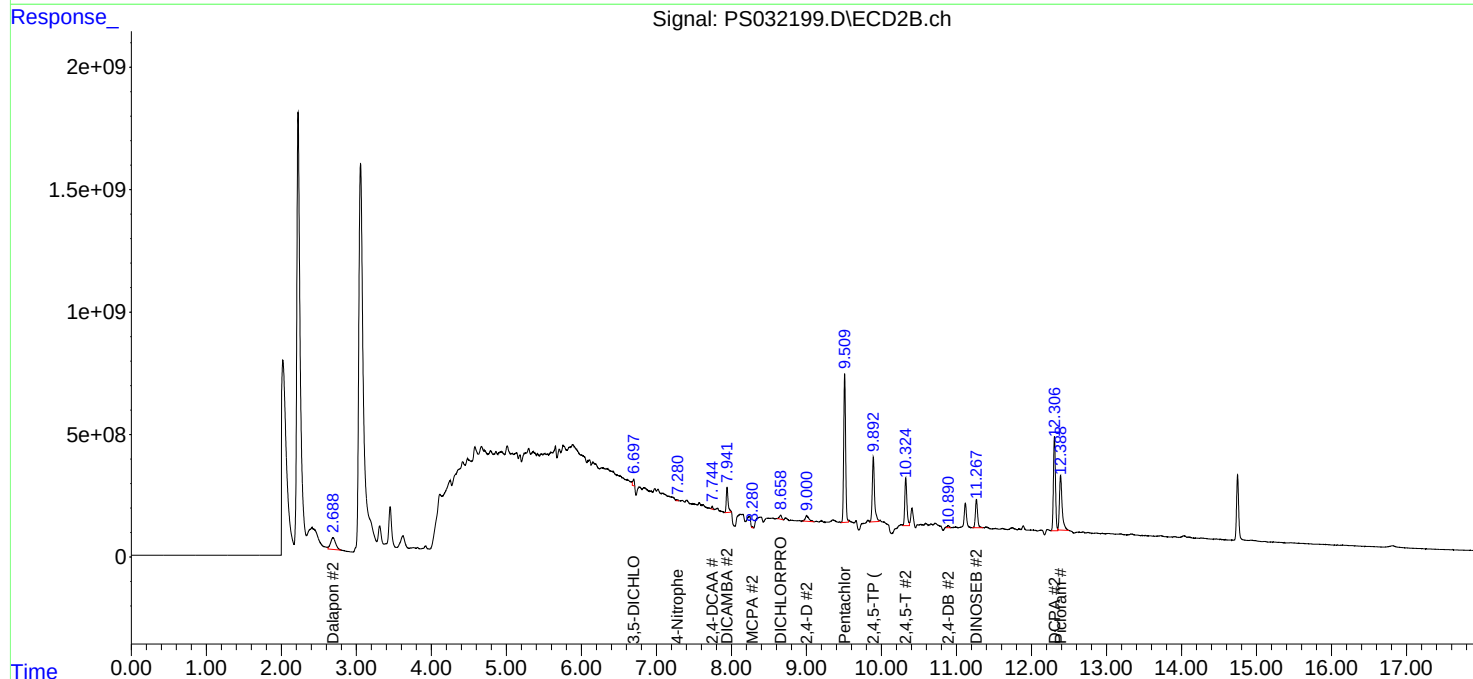
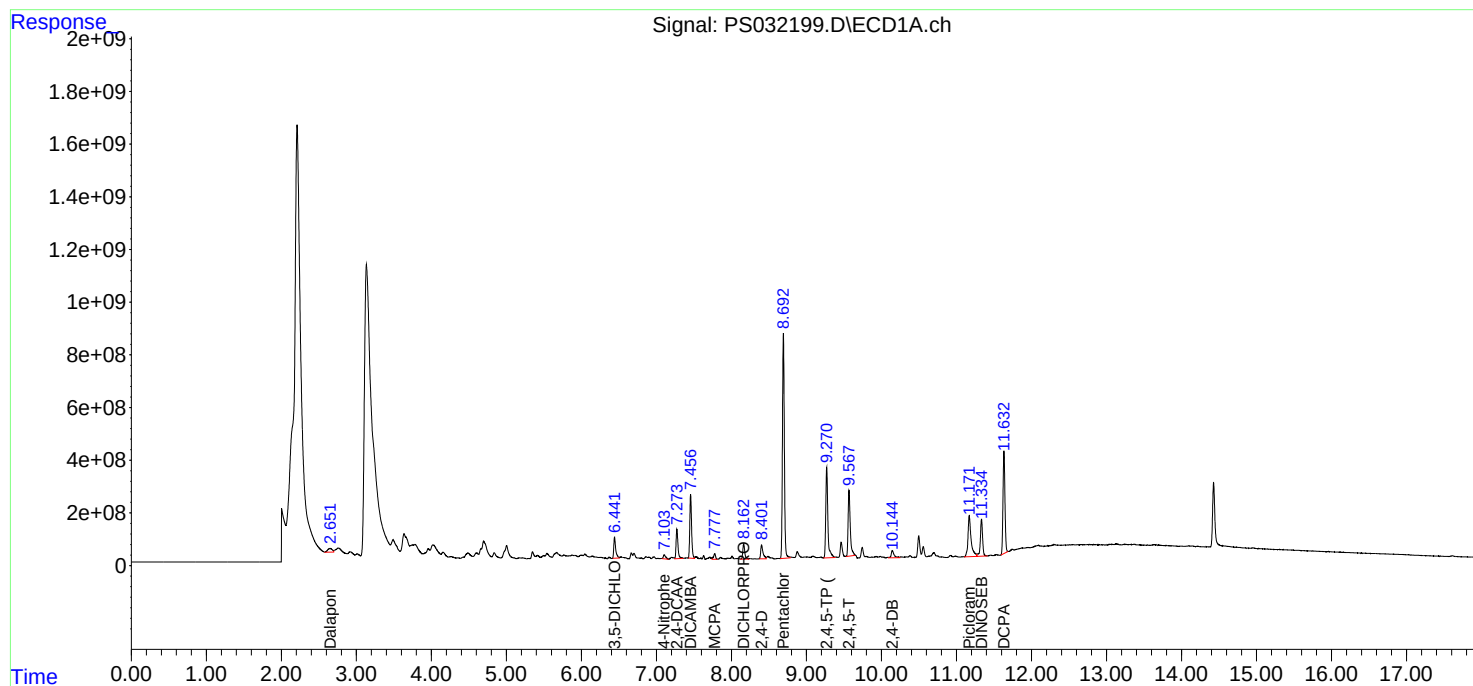
Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MS

Manual Integrations
APPROVED

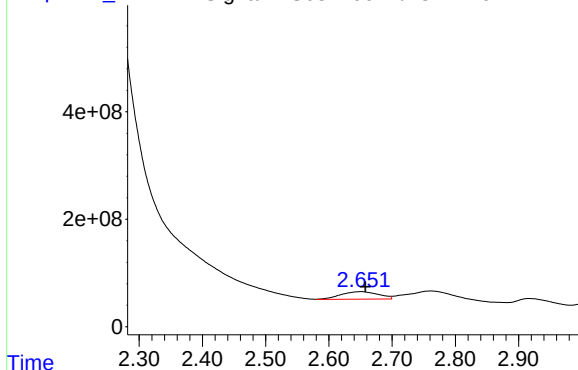
Reviewed By : Abdul Mirza 10/28/2025
Supervised By : mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 07:43:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial 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



Response_ Signal: PS032199.D\ECD1A.ch



#1 Dalapon

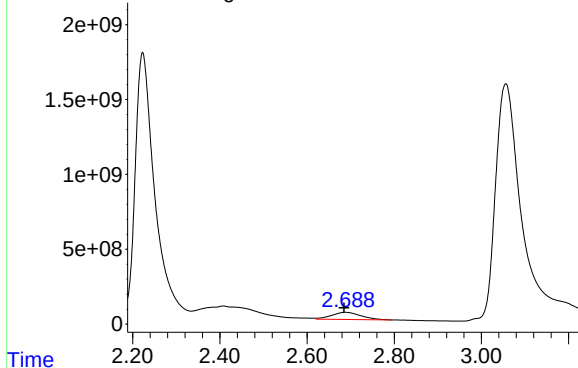
R.T.: 2.651 min
Delta R.T.: -0.007 min
Response: 586528721
Conc: 81.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

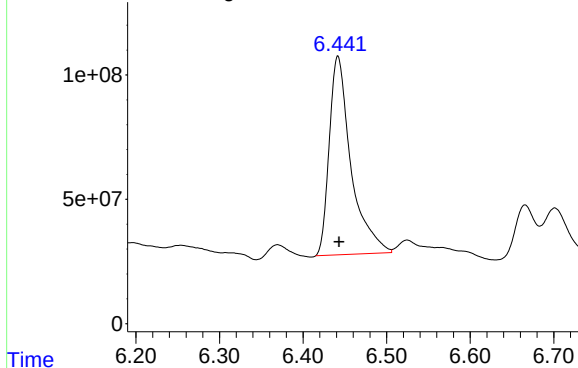
Response_ Signal: PS032199.D\ECD2B.ch



#1 Dalapon

R.T.: 2.688 min
Delta R.T.: 0.003 min
Response: 2257389155
Conc: 613.76 ng/ml m

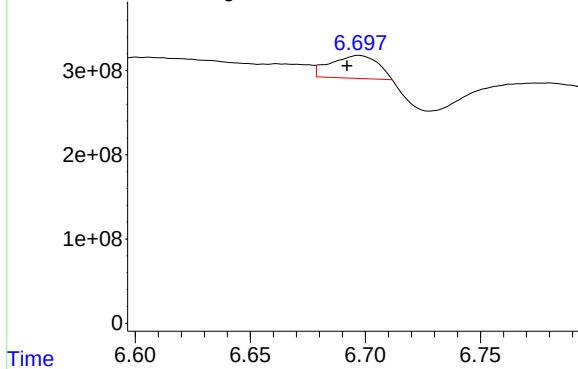
Response_ Signal: PS032199.D\ECD1A.ch



#2 3,5-DICHLOROBENZOIC ACID

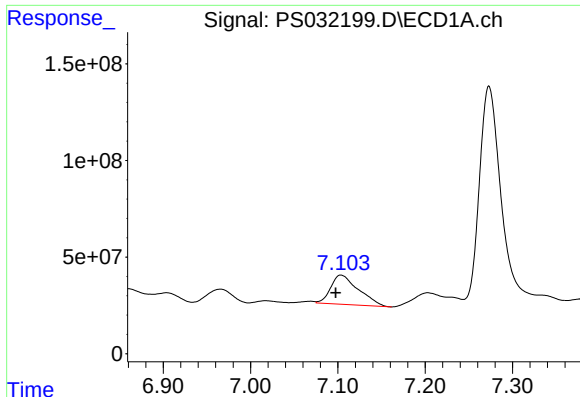
R.T.: 6.442 min
Delta R.T.: -0.001 min
Response: 1442158919
Conc: 228.08 ng/ml

Response_ Signal: PS032199.D\ECD2B.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.697 min
Delta R.T.: 0.005 min
Response: 385001103
Conc: 204.57 ng/ml m



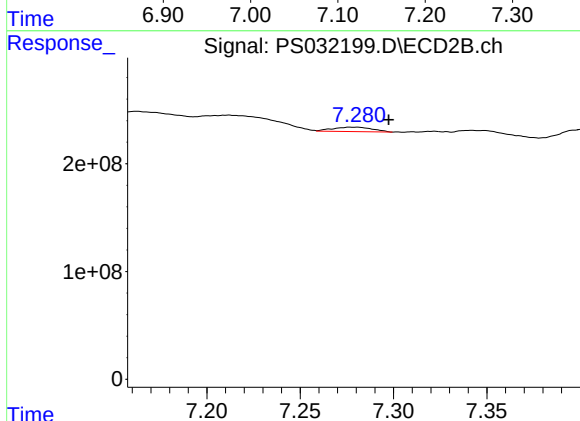
#3 4-Nitrophenol

R.T.: 7.104 min
 Delta R.T.: 0.006 min
 Response: 332195246
 Conc: 306.16 ng/ml

Instrument :
 ECD_S
 ClientSampleId :
 P001-TW1-251023-01MS

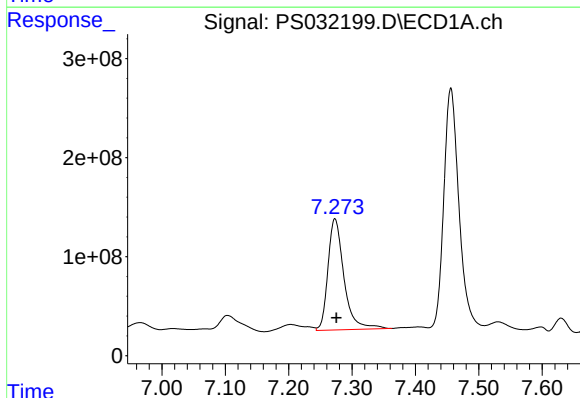
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025



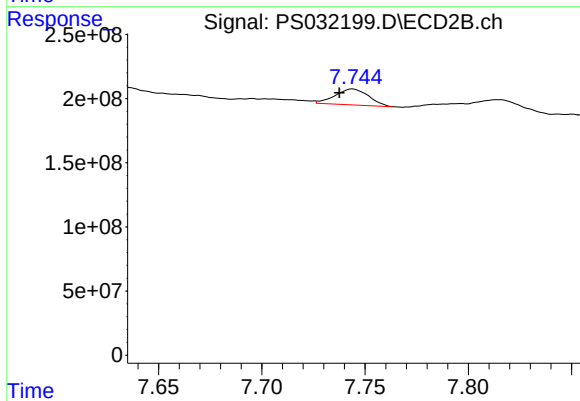
#3 4-Nitrophenol

R.T.: 7.280 min
 Delta R.T.: -0.017 min
 Response: 60207121
 Conc: 37.95 ng/ml m



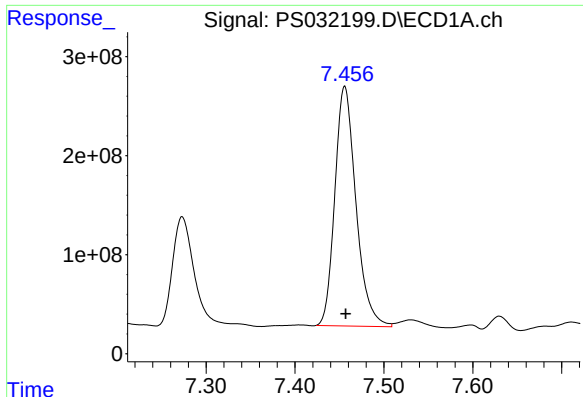
#4 2,4-DCAA

R.T.: 7.273 min
 Delta R.T.: -0.002 min
 Response: 1972094549
 Conc: 456.12 ng/ml



#4 2,4-DCAA

R.T.: 7.744 min
 Delta R.T.: 0.007 min
 Response: 138668198
 Conc: 126.81 ng/ml m



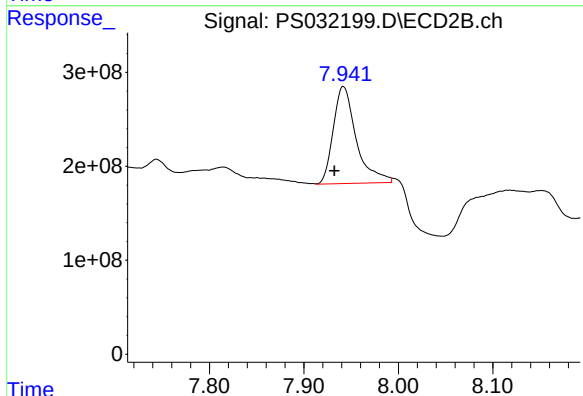
#5 DICAMBA

R.T.: 7.456 min
Delta R.T.: -0.001 min
Response: 3992289750
Conc: 216.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MS

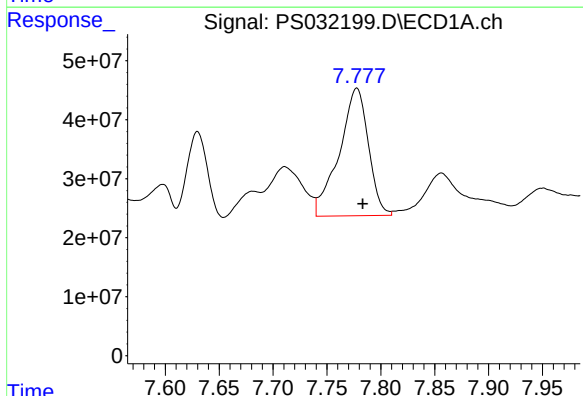
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



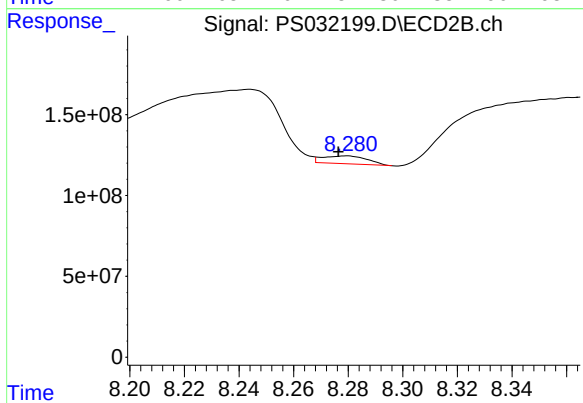
#5 DICAMBA

R.T.: 7.941 min
Delta R.T.: 0.009 min
Response: 1751870928
Conc: 214.53 ng/ml m



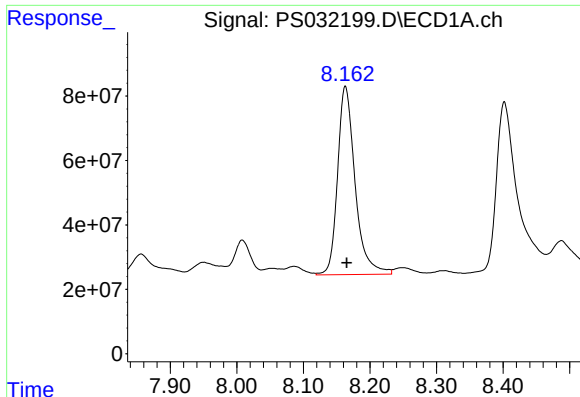
#7 MCPA

R.T.: 7.778 min
Delta R.T.: -0.006 min
Response: 408808202
Conc: 31.40 ug/ml



#7 MCPA

R.T.: 8.280 min
Delta R.T.: 0.004 min
Response: 53811714
Conc: 15.37 ug/ml m



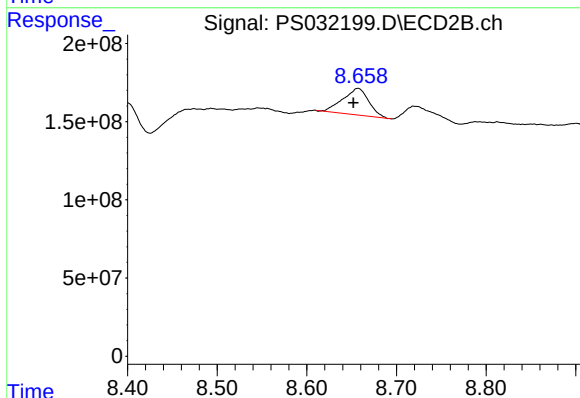
#8 DICHLORPROP

R.T.: 8.163 min
Delta R.T.: -0.002 min
Response: 1070078150
Conc: 246.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MS

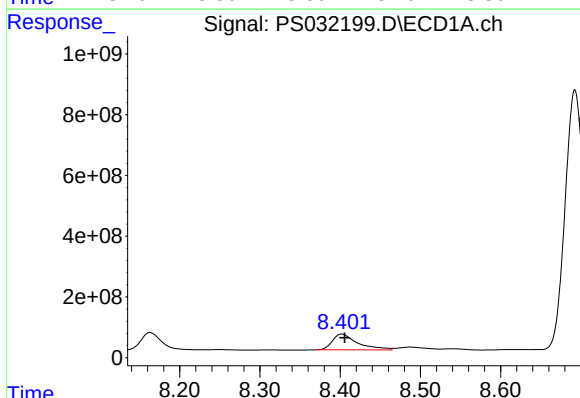
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



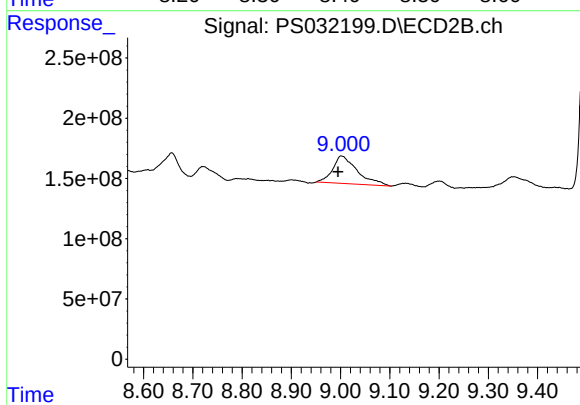
#8 DICHLORPROP

R.T.: 8.657 min
Delta R.T.: 0.005 min
Response: 338986579
Conc: 184.49 ng/ml



#9 2,4-D

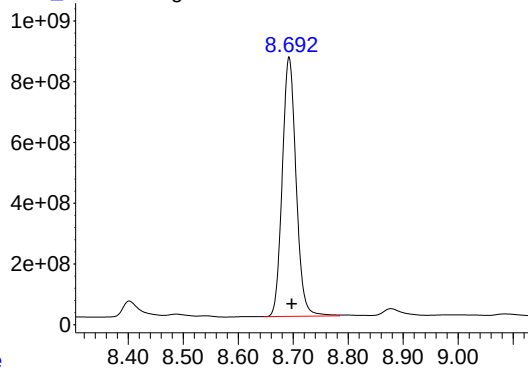
R.T.: 8.402 min
Delta R.T.: -0.004 min
Response: 1140331281
Conc: 275.22 ng/ml



#9 2,4-D

R.T.: 9.002 min
Delta R.T.: 0.007 min
Response: 794941813
Conc: 411.74 ng/ml

Response_ Signal: PS032199.D\ECD1A.ch



#10 Pentachlorophenol

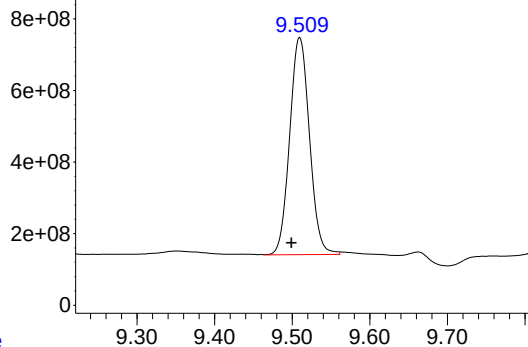
R.T.: 8.693 min
 Delta R.T.: -0.005 min
 Response: 14917165513
 Conc: 241.76 ng/ml

Instrument :
 ECD_S
 ClientSampleId :
 P001-TW1-251023-01MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

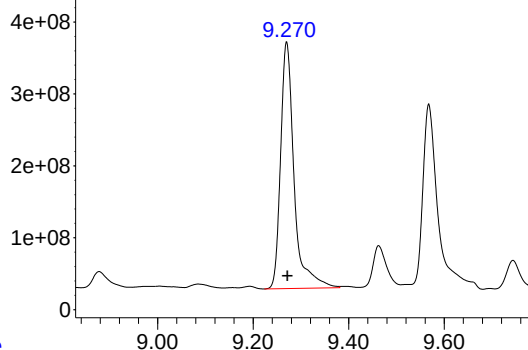
Time Response_ Signal: PS032199.D\ECD2B.ch



#10 Pentachlorophenol

R.T.: 9.509 min
 Delta R.T.: 0.010 min
 Response: 10757472715
 Conc: 221.51 ng/ml m

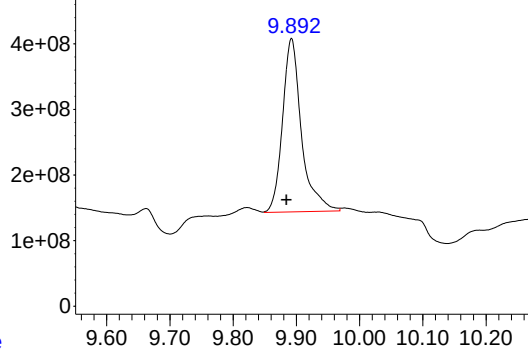
Time Response_ Signal: PS032199.D\ECD1A.ch



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

R.T.: 9.270 min
 Delta R.T.: -0.002 min
 Response: 6701260970
 Conc: 271.49 ng/ml

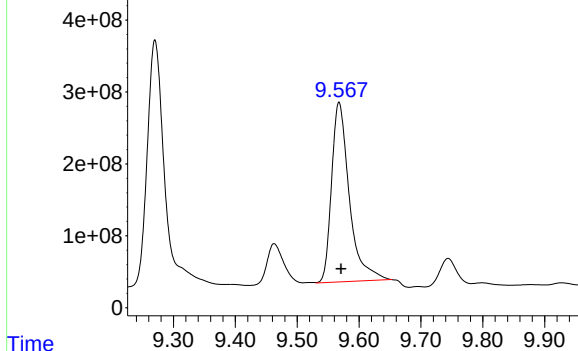
Time Response_ Signal: PS032199.D\ECD2B.ch



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

R.T.: 9.892 min
 Delta R.T.: 0.008 min
 Response: 5487219944
 Conc: 290.30 ng/ml m

Response_ Signal: PS032199.D\ECD1A.ch



#12 2,4,5-T

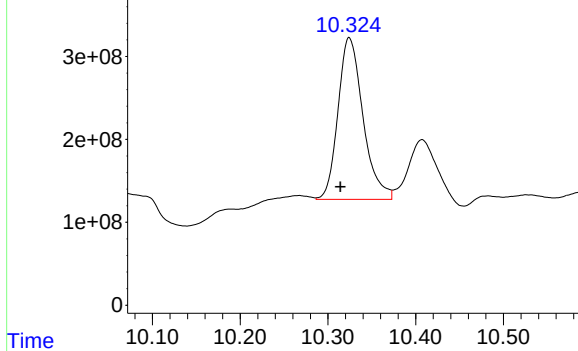
R.T.: 9.567 min
Delta R.T.: -0.003 min
Response: 4979320330
Conc: 239.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MS

**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

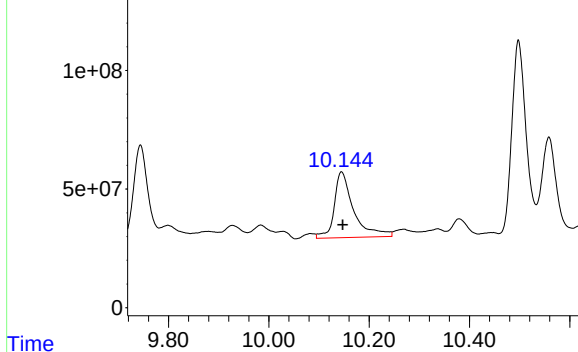
Response_ Signal: PS032199.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.324 min
Delta R.T.: 0.010 min
Response: 3863034470
Conc: 239.54 ng/ml m

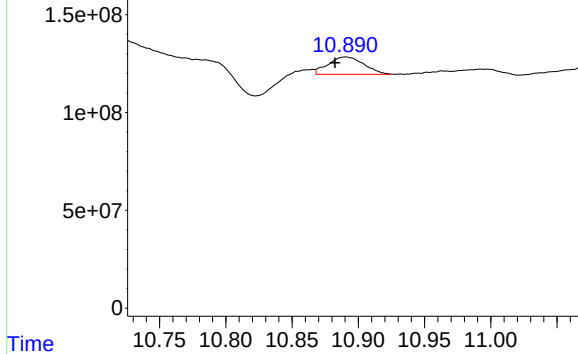
Response_ Signal: PS032199.D\ECD1A.ch



#13 2,4-DB

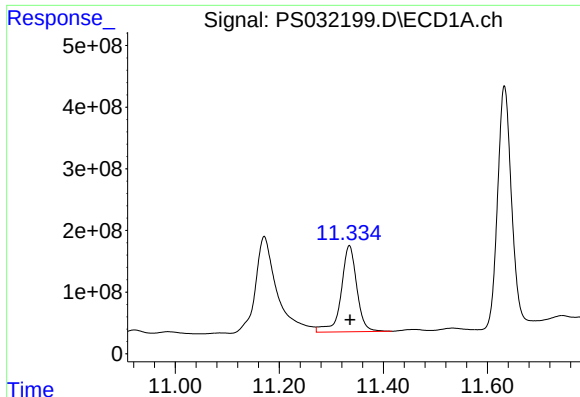
R.T.: 10.145 min
Delta R.T.: -0.003 min
Response: 743978360
Conc: 323.29 ng/ml

Response_ Signal: PS032199.D\ECD2B.ch



#13 2,4-DB

R.T.: 10.890 min
Delta R.T.: 0.008 min
Response: 166147519
Conc: 120.41 ng/ml m



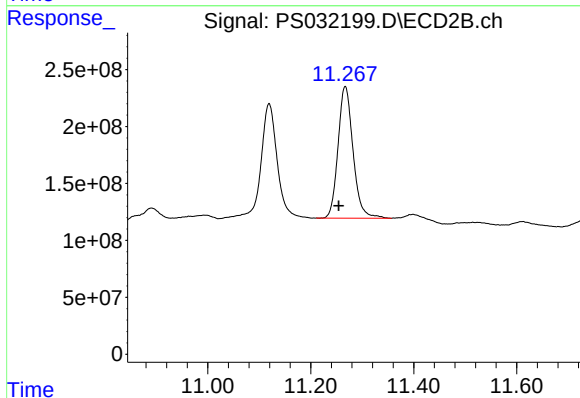
#14 DINOSEB

R.T.: 11.335 min
Delta R.T.: -0.002 min
Response: 2917343155
Conc: 151.95 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MS

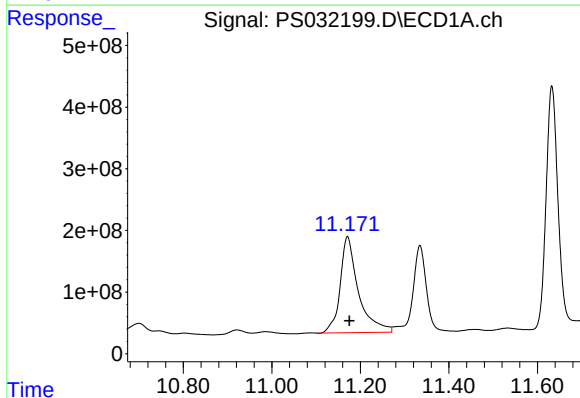
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



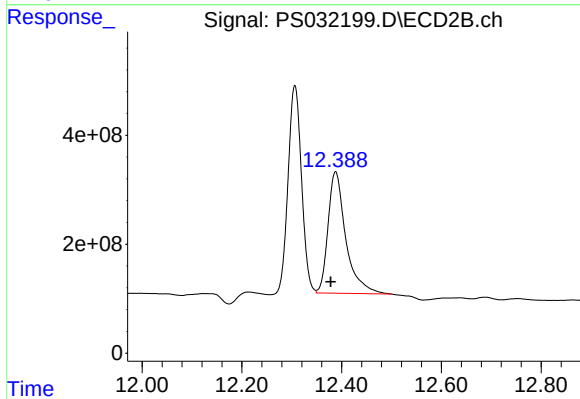
#14 DINOSEB

R.T.: 11.267 min
Delta R.T.: 0.012 min
Response: 2340864644
Conc: 169.75 ng/ml



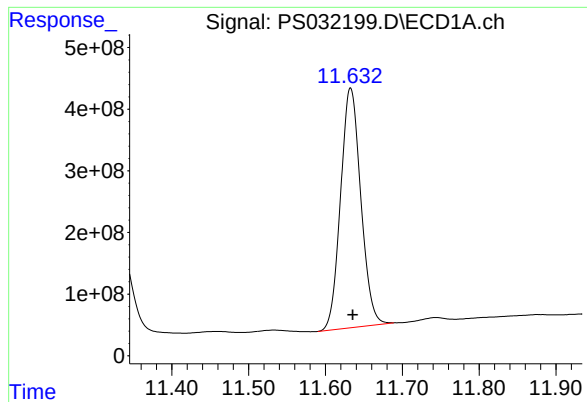
#15 Picloram

R.T.: 11.171 min
Delta R.T.: -0.004 min
Response: 4462241877
Conc: 236.95 ng/ml



#15 Picloram

R.T.: 12.388 min
Delta R.T.: 0.009 min
Response: 5519464831
Conc: 189.87 ng/ml m



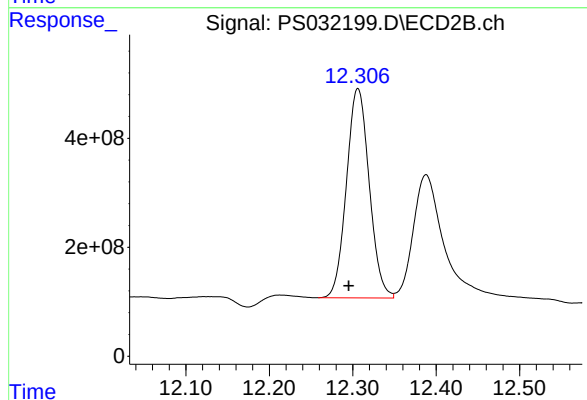
#16 DCPA

R.T.: 11.633 min
Delta R.T.: -0.003 min
Response: 7077771268
Conc: 220.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



#16 DCPA

R.T.: 12.306 min
Delta R.T.: 0.011 min
Response: 7285062203
Conc: 233.95 ng/ml m

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/23/25	
Project: RFP 905	Date Received: 10/23/25	
Client Sample ID: P001-TW1-251023-01MSD	SDG No.: Q3447	
Lab Sample ID: Q3447-02MSD	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 100 mL	Test: TCLP Herbicide	Final Vol: 10000 uL
Prep Method: SW3510C		Prep Date 10/27/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	31.2	P	1	9.20	20.0	ug/L	10/28/25 06:59	PB170269
93-72-1	2,4,5-TP (Silvex)	27.2		1	7.80	20.0	ug/L	10/28/25 06:59	PB170269
SURROGATES									
19719-28-9	2,4-DCAA	452			61 - 136	90%	SPK: 500		

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\PS102725\
 Data File : PS032200.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 06:59
 Operator : AR\AJ
 Sample : Q3447-02MSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 P001-TW1-251023-01MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/28/2025
 Supervised By : mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 07:43:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
 Quant Title : 8080.M
 QLast Update : Tue Oct 28 04:40:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.273	7.744	1954.7E6	114.7E6	452.083	104.868m#
Target Compounds							
1) T	Dalapon	2.650	2.688	523.4E6	2656.9E6	72.586m	722.379m#
2) T	3,5-DICHL...	6.442	6.699	1328.4E6	365.2E6	210.095	194.029m
3) T	4-Nitroph...	7.104	7.279	298.7E6	52086029	275.284	32.834 #
5) T	DICAMBA	7.456	7.942	3640.2E6	1729.3E6	197.051	211.767m
7) T	MCPA	7.777	8.279	326.5E6	40930688	25.073	11.689m#
8) T	DICHLORPROP	8.164	8.658	1020.3E6	258.7E6	234.558	140.801 #
9) T	2,4-D	8.405	9.000	1291.5E6	386.0E6	311.692	199.954m#
10) T	Pentachlo...	8.693	9.510	14938.3E6	10760.7E6	242.101	221.574m
11) T	2,4,5-TP ...	9.270	9.892	6234.9E6	5140.3E6	252.597	271.946m
12) T	2,4,5-T	9.568	10.325	4540.7E6	3490.8E6	217.981m	216.461m
13) T	2,4-DB	10.146	10.891	512.1E6	161.6E6	222.533m	117.124m#
14) T	DINOSEB	11.335	11.268	2716.1E6	2223.8E6	141.463	161.257
15) T	Picloram	11.172	12.389	4247.3E6	5467.9E6	225.541	188.101m
16) T	DCPA	11.634	12.306	6685.4E6	6776.6E6	208.655	217.619m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102725\
Data File : PS032200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2025 06:59
Operator : AR\AJ
Sample : Q3447-02MSD
Misc :
ALS Vial : 36 Sample Multiplier: 1

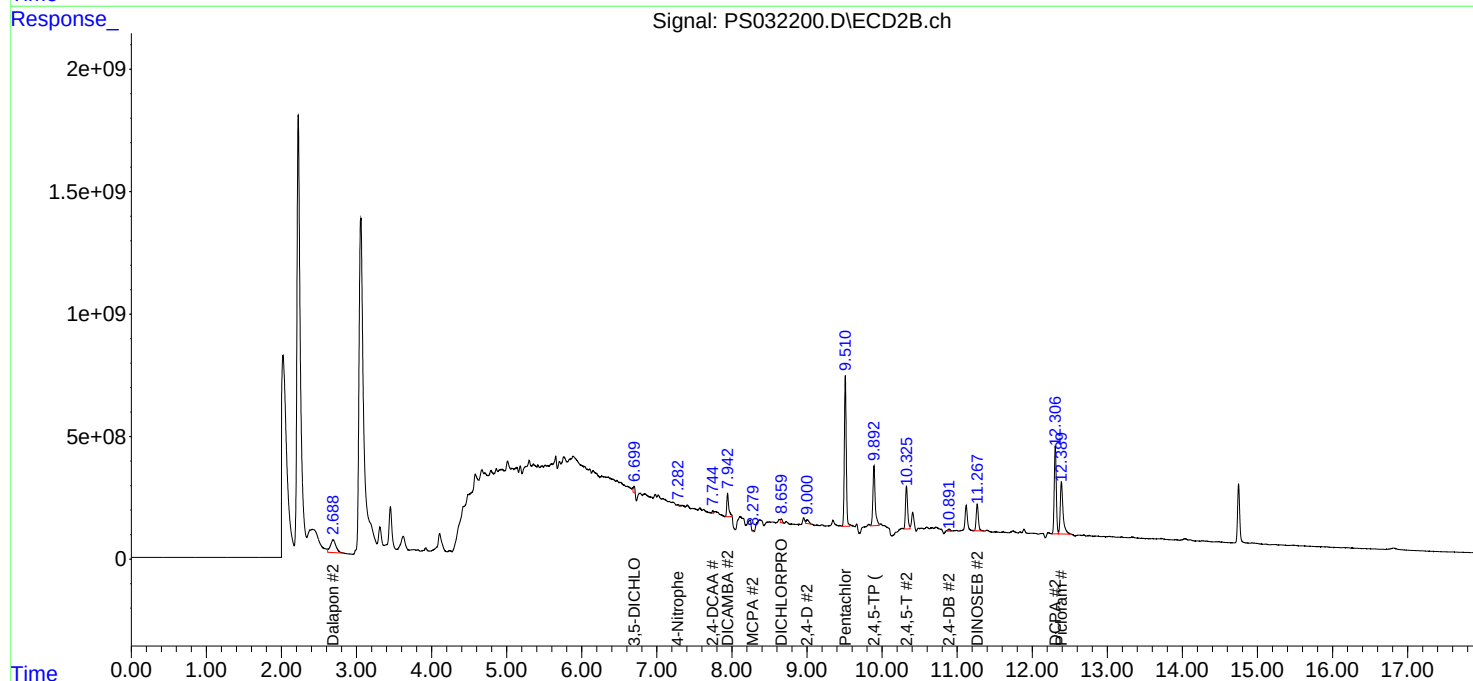
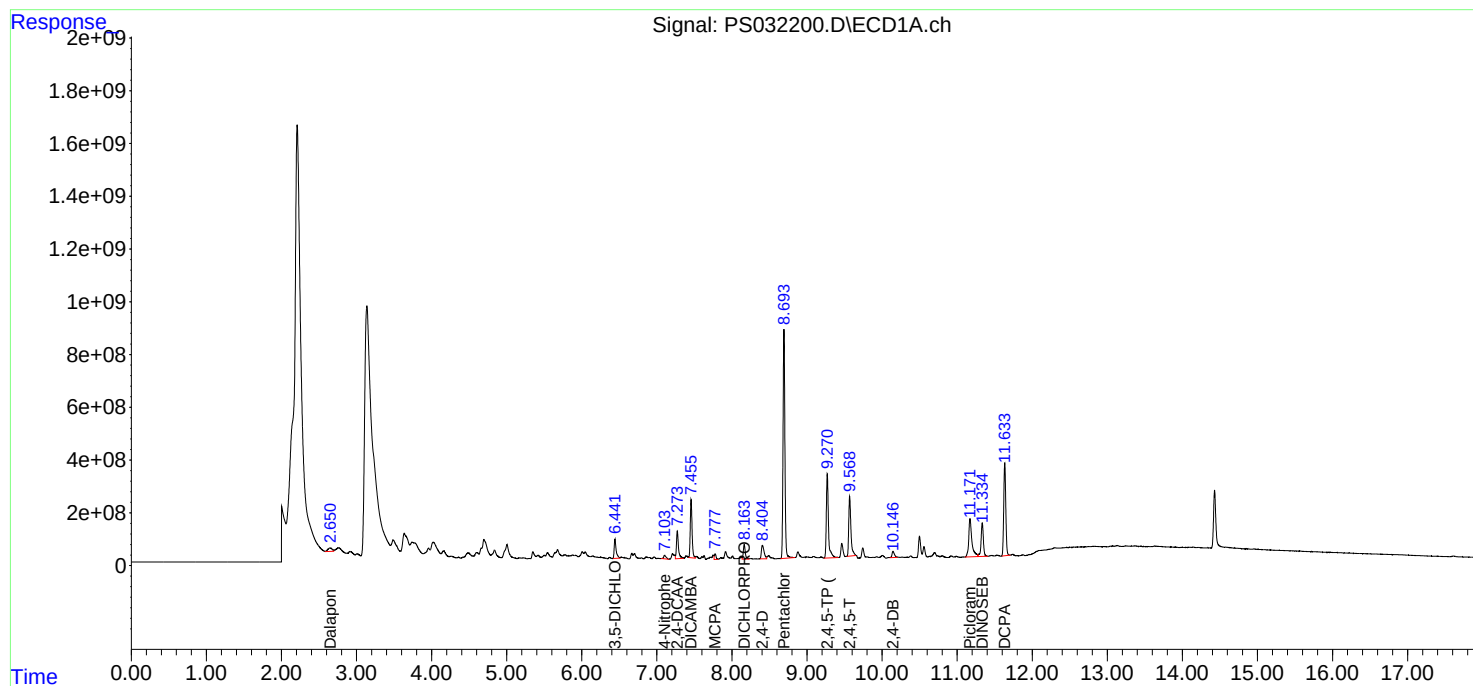
Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MSD

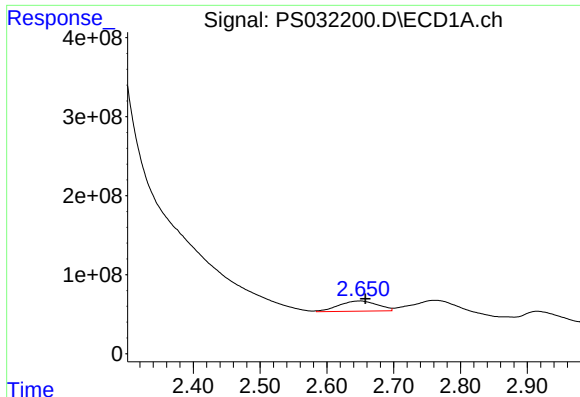
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 07:43:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102725.M
Quant Title : 8080.M
QLast Update : Tue Oct 28 04:40:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





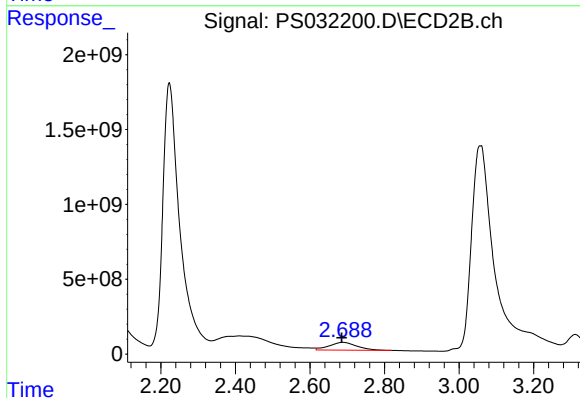
#1 Dalapon

R.T.: 2.650 min
Delta R.T.: -0.008 min
Response: 523425194
Conc: 72.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MSD

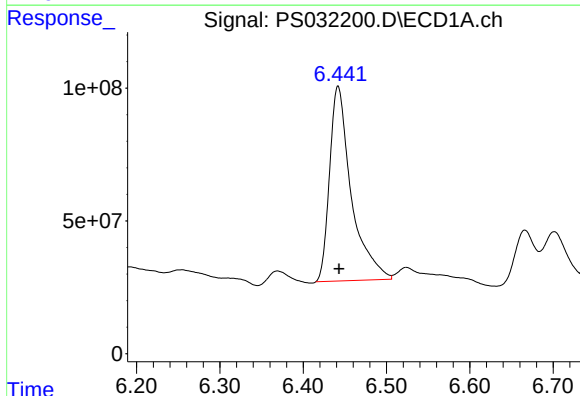
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



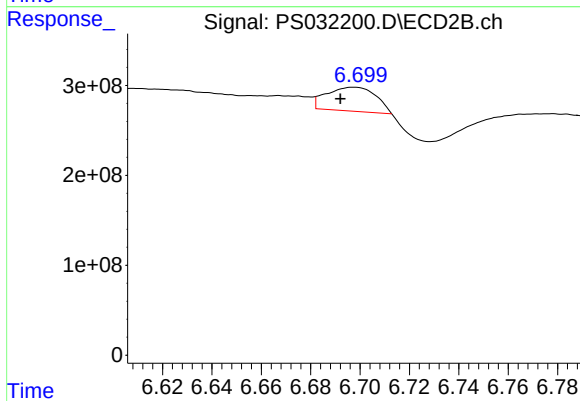
#1 Dalapon

R.T.: 2.688 min
Delta R.T.: 0.003 min
Response: 2656891739
Conc: 722.38 ng/ml m



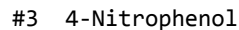
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 1328413618
Conc: 210.09 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

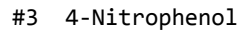
R.T.: 6.699 min
Delta R.T.: 0.007 min
Response: 365158302
Conc: 194.03 ng/ml m



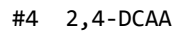
R.T.: 7.104 min
Delta R.T.: 0.007 min
Response: 298697110
Conc: 275.28 ng/ml

Instrument : ECD_S
ClientSampleId : P001-TW1-251023-01MSD

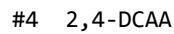
Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



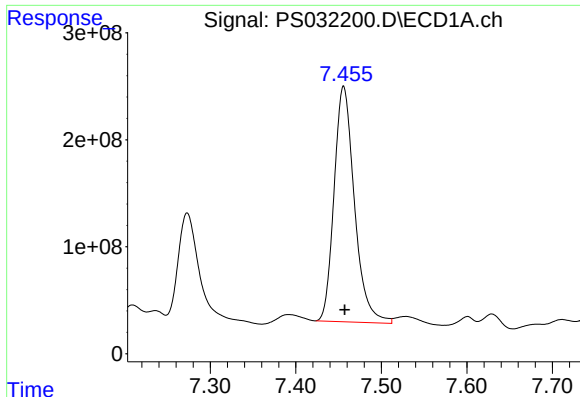
R.T.: 7.279 min
Delta R.T.: -0.019 min
Response: 52086029
Conc: 32.83 ng/ml



R.T.: 7.273 min
Delta R.T.: -0.002 min
Response: 1954655158
Conc: 452.08 ng/ml



R.T.: 7.744 min
Delta R.T.: 0.007 min
Response: 114676649
Conc: 104.87 ng/ml m



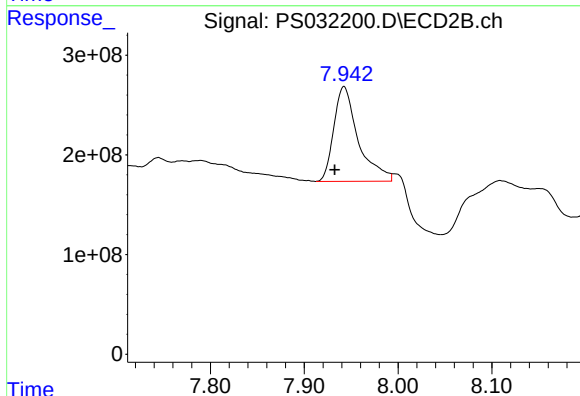
#5 DICAMBA

R.T.: 7.456 min
Delta R.T.: -0.001 min
Response: 3640240245
Conc: 197.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MSD

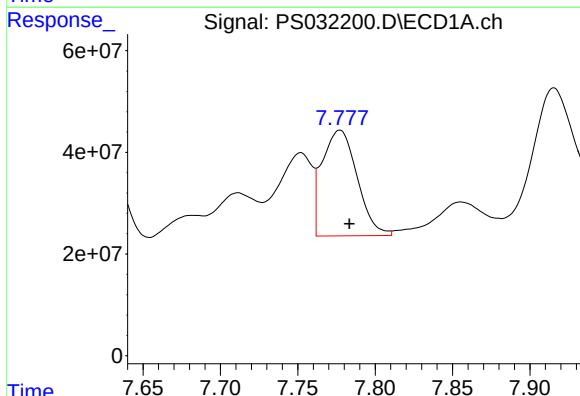
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



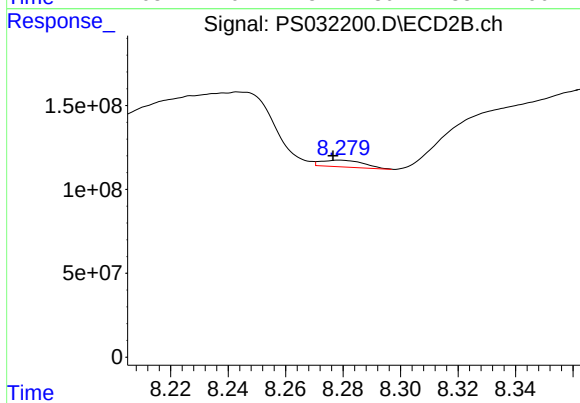
#5 DICAMBA

R.T.: 7.942 min
Delta R.T.: 0.010 min
Response: 1729282322
Conc: 211.77 ng/ml m



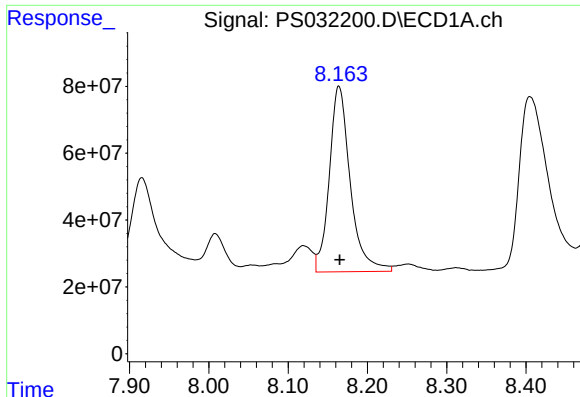
#7 MCPA

R.T.: 7.777 min
Delta R.T.: -0.006 min
Response: 326484506
Conc: 25.07 ug/ml



#7 MCPA

R.T.: 8.279 min
Delta R.T.: 0.003 min
Response: 40930688
Conc: 11.69 ug/ml m



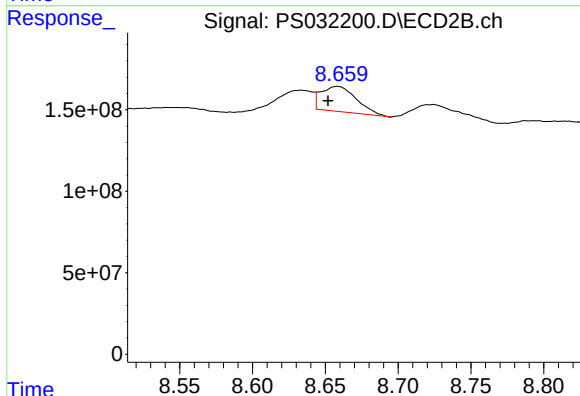
#8 DICHLORPROP

R.T.: 8.164 min
Delta R.T.: 0.000 min
Response: 1020275211
Conc: 234.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MSD

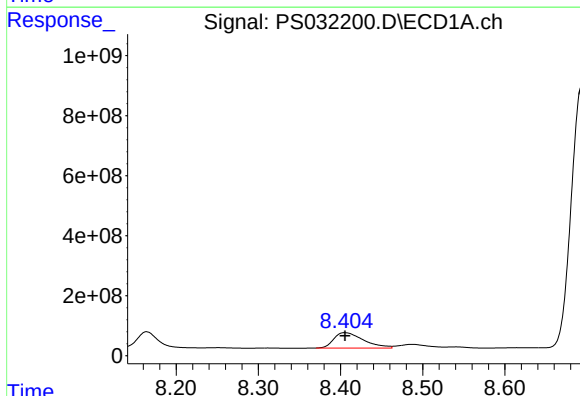
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



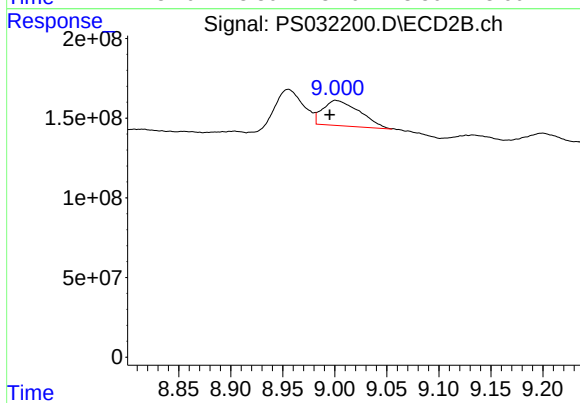
#8 DICHLORPROP

R.T.: 8.658 min
Delta R.T.: 0.006 min
Response: 258707765
Conc: 140.80 ng/ml



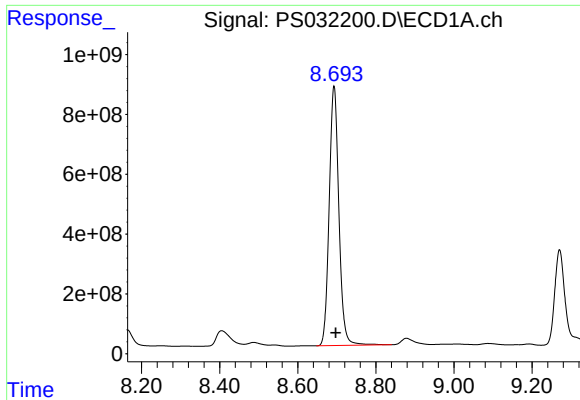
#9 2,4-D

R.T.: 8.405 min
Delta R.T.: 0.000 min
Response: 1291463769
Conc: 311.69 ng/ml



#9 2,4-D

R.T.: 9.000 min
Delta R.T.: 0.005 min
Response: 386048023
Conc: 199.95 ng/ml m



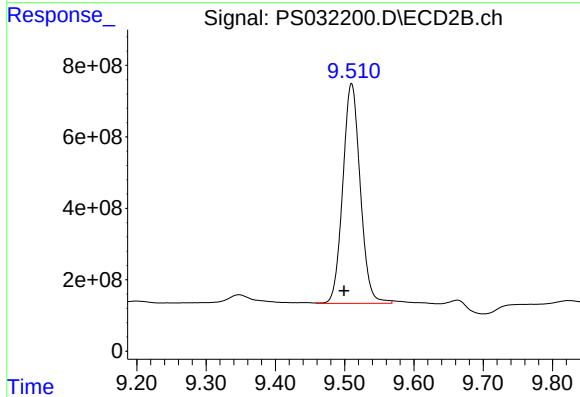
#10 Pentachlorophenol

R.T.: 8.693 min
Delta R.T.: -0.004 min
Response: 14938344248
Conc: 242.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MSD

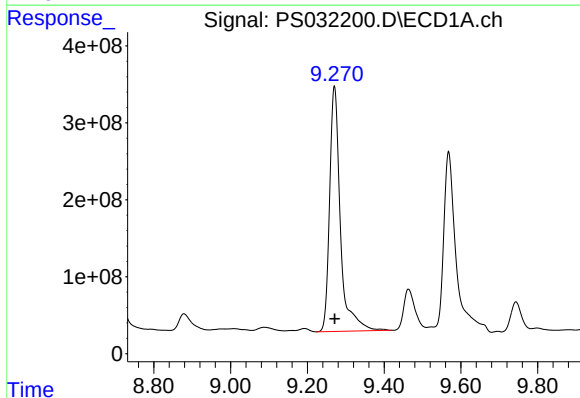
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



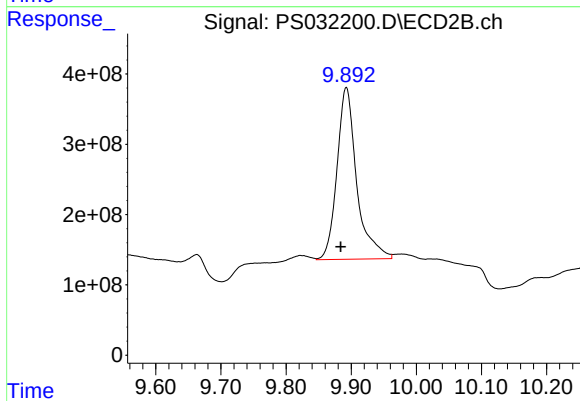
#10 Pentachlorophenol

R.T.: 9.510 min
Delta R.T.: 0.010 min
Response: 10760723468
Conc: 221.57 ng/ml m



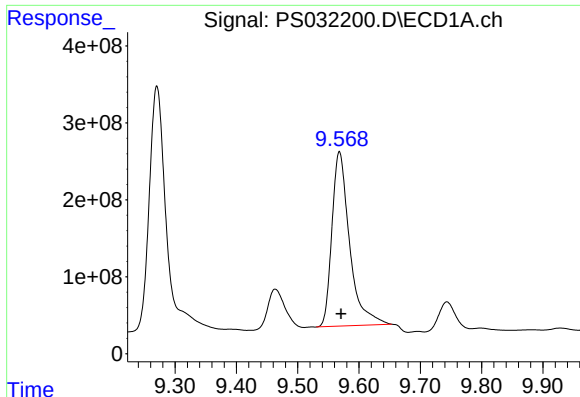
#11 2,4,5-TP (SILVEX)

R.T.: 9.270 min
Delta R.T.: -0.001 min
Response: 6234873419
Conc: 252.60 ng/ml



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

R.T.: 9.892 min
Delta R.T.: 0.008 min
Response: 5140268706
Conc: 271.95 ng/ml m



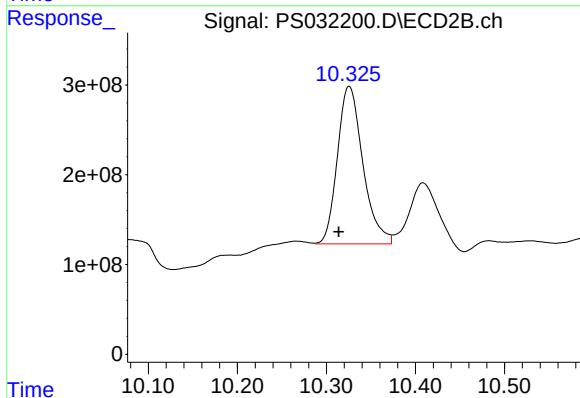
#12 2,4,5-T

R.T.: 9.568 min
Delta R.T.: -0.003 min
Response: 4540666309
Conc: 217.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MSD

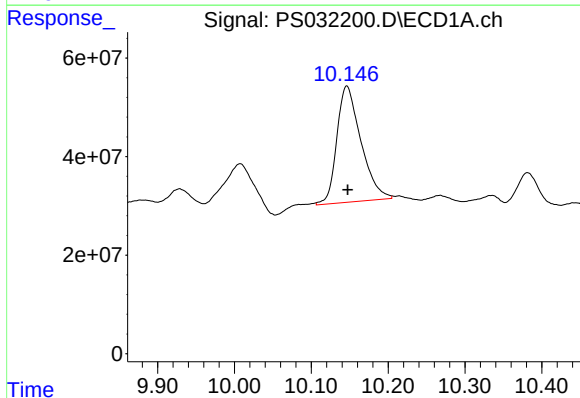
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



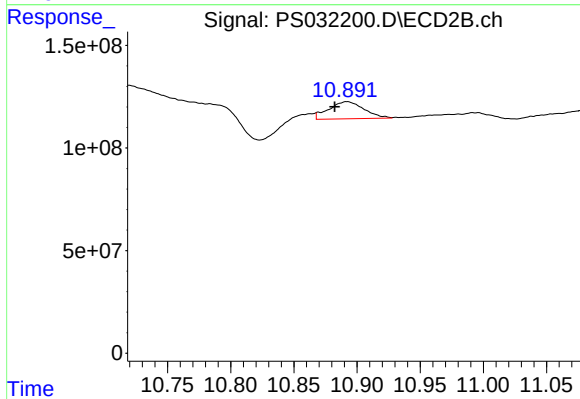
#12 2,4,5-T

R.T.: 10.325 min
Delta R.T.: 0.011 min
Response: 3490827558
Conc: 216.46 ng/ml m



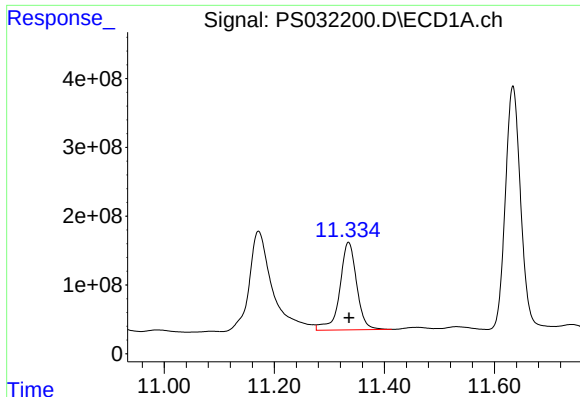
#13 2,4-DB

R.T.: 10.146 min
Delta R.T.: -0.002 min
Response: 512116017
Conc: 222.53 ng/ml m



#13 2,4-DB

R.T.: 10.891 min
Delta R.T.: 0.008 min
Response: 161607503
Conc: 117.12 ng/ml m



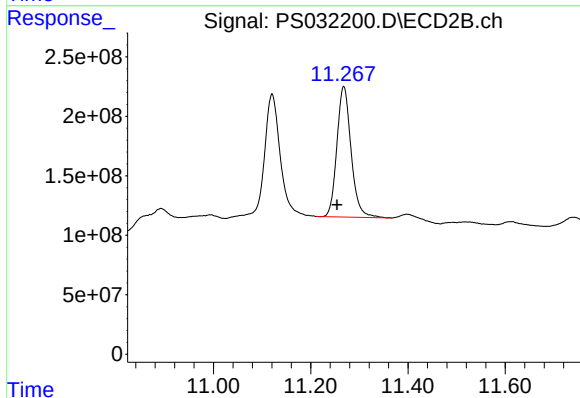
#14 DINOSEB

R.T.: 11.335 min
Delta R.T.: -0.001 min
Response: 2716075007
Conc: 141.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MSD

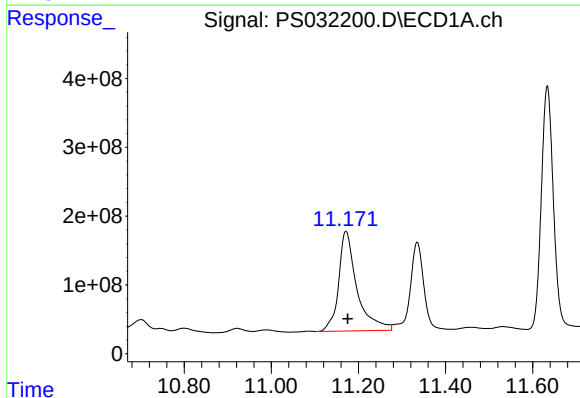
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



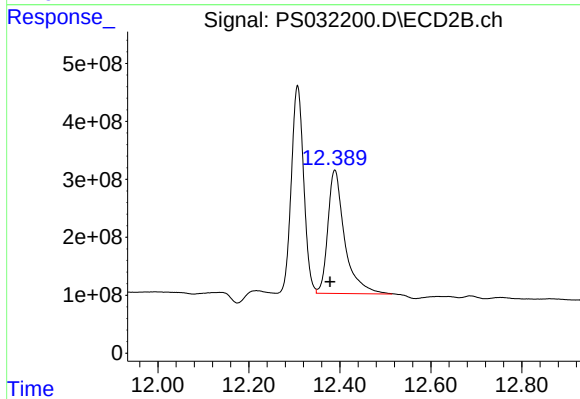
#14 DINOSEB

R.T.: 11.268 min
Delta R.T.: 0.013 min
Response: 2223774894
Conc: 161.26 ng/ml



#15 Picloram

R.T.: 11.172 min
Delta R.T.: -0.003 min
Response: 4247310218
Conc: 225.54 ng/ml



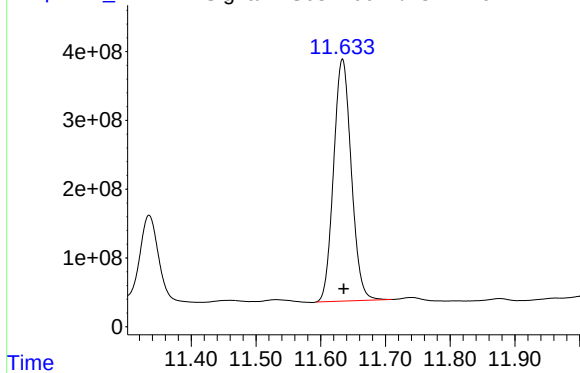
#15 Picloram

R.T.: 12.389 min
Delta R.T.: 0.010 min
Response: 5467921790
Conc: 188.10 ng/ml m

Response_

Signal: PS032200.D\ECD1A.ch

#16 DCPA



R.T.: 11.634 min
Delta R.T.: -0.002 min
Response: 6685380804
Conc: 208.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-TW1-251023-01MSD

Manual Integrations
APPROVED

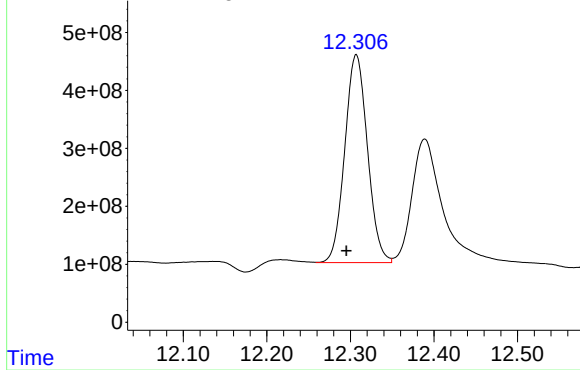
Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Time

Response_

Signal: PS032200.D\ECD2B.ch

#16 DCPA



R.T.: 12.306 min
Delta R.T.: 0.011 min
Response: 6776579542
Conc: 217.62 ng/ml m

Manual Integration Report

Sequence:	PS102725	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS032163.D	2,4-DCAA #2	Abdul	10/28/2025 9:35:25 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
HSTDICC200	PS032163.D	4-Nitrophenol	Abdul	10/28/2025 9:35:25 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
HSTDICC200	PS032163.D	4-Nitrophenol #2	Abdul	10/28/2025 9:35:25 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
HSTDICC200	PS032163.D	Picloram	Abdul	10/28/2025 9:35:25 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
HSTDICC500	PS032164.D	Picloram	Abdul	10/28/2025 9:35:21 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
HSTDICC1500	PS032167.D	2,4-DCAA	Abdul	10/28/2025 9:35:18 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
HSTDICC1500	PS032167.D	4-Nitrophenol #2	Abdul	10/28/2025 9:35:18 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
HSTDICC1500	PS032167.D	MCPA	Abdul	10/28/2025 9:35:18 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
HSTDICV750	PS032168.D	2,4-DB #2	Abdul	10/28/2025 9:35:14 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
HSTDCCC750	PS032182.D	4-Nitrophenol	Abdul	10/28/2025 9:34:29 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-04	PS032191.D	2,4-DCAA #2	Abdul	10/28/2025 9:33:55 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-06	PS032192.D	2,4-DCAA #2	Abdul	10/28/2025 9:33:51 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
HSTDCCC750	PS032194.D	4-Nitrophenol	Abdul	10/28/2025 9:33:46 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software

Manual Integration Report

Sequence:	PS102725	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170269BL	PS032195.D	2,4-DCAA #2	Abdul	10/28/2025 9:33:29 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
PB170269BS	PS032196.D	4-Nitrophenol	Abdul	10/28/2025 9:33:25 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
PB170269BS	PS032196.D	4-Nitrophenol #2	Abdul	10/28/2025 9:33:25 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
PB170239TB	PS032197.D	2,4-DCAA #2	Abdul	10/28/2025 9:33:20 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02	PS032198.D	2,4-DCAA #2	Abdul	10/28/2025 9:33:16 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	2,4,5-T	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	2,4,5-T #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	2,4,5-TP (SILVEX) #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	2,4-DB #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	2,4-DCAA #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	4-Nitrophenol #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	Dalapon	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software

Manual Integration Report

Sequence:	PS102725	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3447-02MS	PS032199.D	Dalapon #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	DCPA #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	DICAMBA #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	MCPA #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	Pentachlorophenol #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MS	PS032199.D	Picloram #2	Abdul	10/28/2025 9:33:11 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	2,4,5-T	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	2,4,5-T #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	2,4,5-TP (SILVEX) #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	2,4-D #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	2,4-DB	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	2,4-DB #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	2,4-DCAA #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software

Manual Integration Report

Sequence:	PS102725	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3447-02MSD	PS032200.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	Dalapon	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	Dalapon #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	DCPA #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	DICAMBA #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	MCPA #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	Pentachlorophenol #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-02MSD	PS032200.D	Picloram #2	Abdul	10/28/2025 9:33:06 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
Q3447-08	PS032201.D	2,4-DCAA #2	Abdul	10/28/2025 9:32:59 AM	mohammad	10/29/2025 5:28:16	Peak Integrated by Software
HSTDCCC750	PS032203.D	4-Nitrophenol	rahul	11/4/2025 8:52:17 AM	yogesh	11/4/2025 8:52:30	Peak Integrated by Software

Manual Integration Report

Sequence:	PS102825	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS032206.D	2,4,5-T	Abdul	10/29/2025 8:16:29 AM	Sohil	10/29/2025 4:10:17	Peak Integrated by Software
HSTDCCC750	PS032206.D	2,4-DCAA	Abdul	10/29/2025 8:16:29 AM	Sohil	10/29/2025 4:10:17	Peak Integrated by Software
HSTDCCC750	PS032206.D	4-Nitrophenol	Abdul	10/29/2025 8:16:29 AM	Sohil	10/29/2025 4:10:17	Peak Integrated by Software
Q3447-04RE	PS032213.D	2,4-DCAA #2	rahul	11/4/2025 8:38:27 AM	yogesh	11/4/2025 8:47:00	Peak Integrated by Software
Q3447-06RE	PS032214.D	2,4-DCAA #2	rahul	11/4/2025 8:38:30 AM	yogesh	11/4/2025 8:47:02	Peak Integrated by Software
Q3447-08RE	PS032215.D	2,4-DCAA #2	rahul	11/4/2025 8:38:32 AM	yogesh	11/4/2025 8:47:03	Peak Integrated by Software
HSTDCCC750	PS032217.D	4-Nitrophenol	Abdul	10/29/2025 8:15:50 AM	Sohil	10/29/2025 4:10:28	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102725

Review By	Abdul	Review On	10/28/2025 9:38:09 AM
Supervise By	mohammad	Supervise On	10/29/2025 5:28:17 AM
SubDirectory	PS102725	HP Acquire Method	HP Processing Method ps101325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS032161.D	27 Oct 2025 10:54	AR\AJ	Ok
2	I.BLK	PS032162.D	27 Oct 2025 11:19	AR\AJ	Ok
3	HSTDICC200	PS032163.D	27 Oct 2025 11:43	AR\AJ	Ok,M
4	HSTDICC500	PS032164.D	27 Oct 2025 12:08	AR\AJ	Ok,M
5	HSTDICC750	PS032165.D	27 Oct 2025 12:32	AR\AJ	Ok
6	HSTDICC1000	PS032166.D	27 Oct 2025 12:57	AR\AJ	Ok
7	HSTDICC1500	PS032167.D	27 Oct 2025 13:21	AR\AJ	Ok,M
8	HSTDICV750	PS032168.D	27 Oct 2025 13:46	AR\AJ	Ok,M
9	I.BLK	PS032169.D	27 Oct 2025 14:10	AR\AJ	Ok
10	HSTDCCC750	PS032170.D	27 Oct 2025 14:35	AR\AJ	Ok
11	PB170256BL	PS032171.D	27 Oct 2025 16:42	AR\AJ	Ok
12	PB170256BS	PS032172.D	27 Oct 2025 17:06	AR\AJ	Ok
13	Q3449-01	PS032173.D	27 Oct 2025 17:31	AR\AJ	Ok,M
14	Q3449-06	PS032174.D	27 Oct 2025 17:55	AR\AJ	ReRun
15	Q3427-01	PS032175.D	27 Oct 2025 18:20	AR\AJ	Ok,M
16	Q3439-01	PS032176.D	27 Oct 2025 18:44	AR\AJ	Ok,M
17	Q3439-01MS	PS032177.D	27 Oct 2025 19:09	AR\AJ	Ok,M
18	Q3439-01MSD	PS032178.D	27 Oct 2025 19:33	AR\AJ	Ok,M
19	Q3439-05	PS032179.D	27 Oct 2025 19:58	AR\AJ	Ok,M
20	Q3440-01	PS032180.D	27 Oct 2025 20:23	AR\AJ	Not Ok
21	I.BLK	PS032181.D	27 Oct 2025 21:12	AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102725

Review By	Abdul	Review On	10/28/2025 9:38:09 AM
Supervise By	mohammad	Supervise On	10/29/2025 5:28:17 AM
SubDirectory	PS102725	HP Acquire Method	HP Processing Method ps101325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

22	HSTDCCC750	PS032182.D	27 Oct 2025 21:36	AR\AJ	Ok,M
23	Q3451-01	PS032183.D	27 Oct 2025 22:25	AR\AJ	Ok,M
24	Q3451-05	PS032184.D	27 Oct 2025 22:50	AR\AJ	Ok,M
25	Q3452-01	PS032185.D	27 Oct 2025 23:14	AR\AJ	Ok,M
26	Q3460-01	PS032186.D	27 Oct 2025 23:39	AR\AJ	Ok,M
27	Q3460-05	PS032187.D	28 Oct 2025 00:03	AR\AJ	Ok,M
28	Q3460-09	PS032188.D	28 Oct 2025 00:28	AR\AJ	Ok,M
29	Q3460-13	PS032189.D	28 Oct 2025 00:52	AR\AJ	Ok,M
30	Q3460-17	PS032190.D	28 Oct 2025 01:17	AR\AJ	Ok,M
31	Q3447-04	PS032191.D	28 Oct 2025 01:41	AR\AJ	ReRun
32	Q3447-06	PS032192.D	28 Oct 2025 02:05	AR\AJ	ReRun
33	I.BLK	PS032193.D	28 Oct 2025 03:43	AR\AJ	Ok
34	HSTDCCC750	PS032194.D	28 Oct 2025 04:08	AR\AJ	Ok,M
35	PB170269BL	PS032195.D	28 Oct 2025 04:57	AR\AJ	Ok,M
36	PB170269BS	PS032196.D	28 Oct 2025 05:21	AR\AJ	Ok,M
37	PB170239TB	PS032197.D	28 Oct 2025 05:46	AR\AJ	Ok,M
38	Q3447-02	PS032198.D	28 Oct 2025 06:10	AR\AJ	Ok,M
39	Q3447-02MS	PS032199.D	28 Oct 2025 06:35	AR\AJ	Ok,M
40	Q3447-02MSD	PS032200.D	28 Oct 2025 06:59	AR\AJ	Ok,M
41	Q3447-08	PS032201.D	28 Oct 2025 07:24	AR\AJ	ReRun
42	I.BLK	PS032202.D	28 Oct 2025 08:36	AR\AJ	Ok
43	HSTDCCC750	PS032203.D	28 Oct 2025 09:42	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102825

Review By	Abdul	Review On	10/29/2025 8:16:57 AM
Supervise By	Sohil	Supervise On	10/29/2025 4:10:41 PM
SubDirectory	PS102825	HP Acquire Method	HP Processing Method ps102725 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS032204.D	28 Oct 2025 10:48	AR\AJ	Ok
2	I.BLK	PS032205.D	28 Oct 2025 11:13	AR\AJ	Ok
3	HSTDCCC750	PS032206.D	28 Oct 2025 11:37	AR\AJ	Ok,M
4	Q3449-06 RE	PS032207.D	28 Oct 2025 13:10	AR\AJ	Confirms
5	IDOC-01	PS032208.D	28 Oct 2025 13:34	AR\AJ	Ok
6	IDOC-02	PS032209.D	28 Oct 2025 13:59	AR\AJ	Ok
7	IDOC-03	PS032210.D	28 Oct 2025 14:23	AR\AJ	Ok
8	IDOC-04	PS032211.D	28 Oct 2025 14:48	AR\AJ	Ok,M
9	Q3440-01	PS032212.D	28 Oct 2025 15:39	AR\AJ	Ok,M
10	Q3447-04RE	PS032213.D	28 Oct 2025 16:03	AR\AJ	Confirms
11	Q3447-06RE	PS032214.D	28 Oct 2025 16:28	AR\AJ	Confirms
12	Q3447-08RE	PS032215.D	28 Oct 2025 16:52	AR\AJ	Confirms
13	I.BLK	PS032216.D	28 Oct 2025 17:17	AR\AJ	Ok
14	HSTDCCC750	PS032217.D	28 Oct 2025 17:41	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102725

Review By	Abdul	Review On	10/28/2025 9:38:09 AM
Supervise By	mohammad	Supervise On	10/29/2025 5:28:17 AM
SubDirectory	PS102725	HP Acquire Method	HP Processing Method ps101325 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24923
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS032161.D	27 Oct 2025 10:54		AR\AJ	Ok
2	I.BLK	I.BLK	PS032162.D	27 Oct 2025 11:19		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS032163.D	27 Oct 2025 11:43		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS032164.D	27 Oct 2025 12:08		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS032165.D	27 Oct 2025 12:32	com#10 fail in 1st column	AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS032166.D	27 Oct 2025 12:57		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS032167.D	27 Oct 2025 13:21		AR\AJ	Ok,M
8	HSTDICV750	ICVPS102725	PS032168.D	27 Oct 2025 13:46		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS032169.D	27 Oct 2025 14:10		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS032170.D	27 Oct 2025 14:35		AR\AJ	Ok
11	PB170256BL	PB170256BL	PS032171.D	27 Oct 2025 16:42		AR\AJ	Ok
12	PB170256BS	PB170256BS	PS032172.D	27 Oct 2025 17:06		AR\AJ	Ok
13	Q3449-01	CF-620-COMP-41	PS032173.D	27 Oct 2025 17:31		AR\AJ	Ok,M
14	Q3449-06	CF-620-COMP-41	PS032174.D	27 Oct 2025 17:55	Surrogate high in 2nd column	AR\AJ	ReRun
15	Q3427-01	TP-8	PS032175.D	27 Oct 2025 18:20		AR\AJ	Ok,M
16	Q3439-01	TP-9	PS032176.D	27 Oct 2025 18:44		AR\AJ	Ok,M
17	Q3439-01MS	TP-9MS	PS032177.D	27 Oct 2025 19:09	some compound recovery fail	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102725

Review By	Abdul	Review On	10/28/2025 9:38:09 AM
Supervise By	mohammad	Supervise On	10/29/2025 5:28:17 AM
SubDirectory	PS102725	HP Acquire Method	HP Processing Method ps101325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24923		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q3439-01MSD	TP-9MSD	PS032178.D	27 Oct 2025 19:33	some compound recovery fail , RPD fail	AR\AJ	Ok,M
19	Q3439-05	TP-10	PS032179.D	27 Oct 2025 19:58		AR\AJ	Ok,M
20	Q3440-01	JB-2	PS032180.D	27 Oct 2025 20:23	Surrogate low in both column	AR\AJ	Not Ok
21	I.BLK	I.BLK	PS032181.D	27 Oct 2025 21:12		AR\AJ	Ok
22	HSTDCCC750	HSTDCCC750	PS032182.D	27 Oct 2025 21:36		AR\AJ	Ok,M
23	Q3451-01	TP-11	PS032183.D	27 Oct 2025 22:25		AR\AJ	Ok,M
24	Q3451-05	TP-12	PS032184.D	27 Oct 2025 22:50		AR\AJ	Ok,M
25	Q3452-01	JB-1	PS032185.D	27 Oct 2025 23:14		AR\AJ	Ok,M
26	Q3460-01	WC-1	PS032186.D	27 Oct 2025 23:39		AR\AJ	Ok,M
27	Q3460-05	WC-2	PS032187.D	28 Oct 2025 00:03		AR\AJ	Ok,M
28	Q3460-09	WC-3	PS032188.D	28 Oct 2025 00:28		AR\AJ	Ok,M
29	Q3460-13	WC-4	PS032189.D	28 Oct 2025 00:52		AR\AJ	Ok,M
30	Q3460-17	WC-5	PS032190.D	28 Oct 2025 01:17		AR\AJ	Ok,M
31	Q3447-04	P001-TW2-251023-01	PS032191.D	28 Oct 2025 01:41	Surrogate low in 2nd column	AR\AJ	ReRun
32	Q3447-06	P001-TW3-251023-01	PS032192.D	28 Oct 2025 02:05	Surrogate low in 2nd column	AR\AJ	ReRun
33	I.BLK	I.BLK	PS032193.D	28 Oct 2025 03:43		AR\AJ	Ok
34	HSTDCCC750	HSTDCCC750	PS032194.D	28 Oct 2025 04:08		AR\AJ	Ok,M
35	PB170269BL	PB170269BL	PS032195.D	28 Oct 2025 04:57		AR\AJ	Ok,M
36	PB170269BS	PB170269BS	PS032196.D	28 Oct 2025 05:21		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102725

Review By	Abdul	Review On	10/28/2025 9:38:09 AM
Supervise By	mohammad	Supervise On	10/29/2025 5:28:17 AM
SubDirectory	PS102725	HP Acquire Method	HP Processing Method ps101325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24923		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	PB170239TB	PB170239TB	PS032197.D	28 Oct 2025 05:46		AR\AJ	Ok,M
38	Q3447-02	P001-TW1-251023-01	PS032198.D	28 Oct 2025 06:10	Surrogate low in 2nd column,Confirm in MS-MSD	AR\AJ	Ok,M
39	Q3447-02MS	P001-TW1-251023-01M	PS032199.D	28 Oct 2025 06:35	Surrogate low in 2nd column , Almost all compound recovery fail	AR\AJ	Ok,M
40	Q3447-02MSD	P001-TW1-251023-01M	PS032200.D	28 Oct 2025 06:59	Surrogate low in 2nd column , Almost all compound recovery fail, RPD fail	AR\AJ	Ok,M
41	Q3447-08	P001-TW4-251023-01	PS032201.D	28 Oct 2025 07:24	Surrogate low in 2nd column	AR\AJ	ReRun
42	I.BLK	I.BLK	PS032202.D	28 Oct 2025 08:36		AR\AJ	Ok
43	HSTDCCC750	HSTDCCC750	PS032203.D	28 Oct 2025 09:42		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102825

Review By	Abdul	Review On	10/29/2025 8:16:57 AM
Supervise By	Sohil	Supervise On	10/29/2025 4:10:41 PM
SubDirectory	PS102825	HP Acquire Method	HP Processing Method ps102725 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24923		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS032204.D	28 Oct 2025 10:48		AR\AJ	Ok
2	I.BLK	I.BLK	PS032205.D	28 Oct 2025 11:13		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS032206.D	28 Oct 2025 11:37		AR\AJ	Ok,M
4	Q3449-06 RE	CF-620-COMP-41RE	PS032207.D	28 Oct 2025 13:10	Surrogate high in 2nd column	AR\AJ	Confirms
5	IDOC-01	IDOC-01	PS032208.D	28 Oct 2025 13:34		AR\AJ	Ok
6	IDOC-02	IDOC-02	PS032209.D	28 Oct 2025 13:59		AR\AJ	Ok
7	IDOC-03	IDOC-03	PS032210.D	28 Oct 2025 14:23		AR\AJ	Ok
8	IDOC-04	IDOC-04	PS032211.D	28 Oct 2025 14:48		AR\AJ	Ok,M
9	Q3440-01	JB-2	PS032212.D	28 Oct 2025 15:39		AR\AJ	Ok,M
10	Q3447-04RE	P001-TW2-251023-01R	PS032213.D	28 Oct 2025 16:03	surrogate fail	AR\AJ	Confirms
11	Q3447-06RE	P001-TW3-251023-01R	PS032214.D	28 Oct 2025 16:28	surrogate fail	AR\AJ	Confirms
12	Q3447-08RE	P001-TW4-251023-01R	PS032215.D	28 Oct 2025 16:52	surrogate fail	AR\AJ	Confirms
13	I.BLK	I.BLK	PS032216.D	28 Oct 2025 17:17		AR\AJ	Ok
14	HSTDCCC750	HSTDCCC750	PS032217.D	28 Oct 2025 17:41		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-16
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : T-1 / T-2
TCLP Filter ID : 40718710

Start Prep Date : 10/23/2025 Time : 15:30
End Prep Date : 10/24/2025 Time : 08:35
Combination Ratio : 20
ZHE Cleaning Batch : N/A 70
Initial Room Temperature: 24 °C
Final Room Temperature: 22 °C
TCLP Technician Signature : *SO*
Supervisor By : *12*

Standardized Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114525
HCL-TCLP,1N	N/A	WP114527
HNO3-TCLP,1N	N/A	WP114528
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP86978

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q3452-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/27/25 10:00	<i>SO</i> / <i>1st room</i>	<i>S/S.</i> <i>AS</i> / <i>15x1-</i>
	Preparation Group	Analysis Group <i>metting</i>

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170239TB	LEB239	20	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3439-04	TP-9	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q3439-08	TP-10	02	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3440-04	JB-2	03	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3446-01	SB-14	04	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-02	SB-15	05	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3446-03	SB-16	06	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-04	SB-17	07	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3446-05	SB-18	08	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q3446-06	SB-19	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3446-07	SB-20	10	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-08	SB-21	11	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q3447-02	P001-TW1-251023-01	12	100.01	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q3447-04	P001-TW2-251023-01	13	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q3447-06	P001-TW3-251023-01	14	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q3447-08	P001-TW4-251023-01	15	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q3449-06	CF-620-COMP-41	16	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q3451-04	TP-11	17	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q3451-08	TP-12	18	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q3452-04	JB-1	19	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170239TB	LEB239	N/A	N/A	N/A	N/A	N/A	N/A
Q3439-04	TP-9	N/A	N/A	N/A	N/A	100	N/A
Q3439-08	TP-10	N/A	N/A	N/A	N/A	100	N/A
Q3440-04	JB-2	N/A	N/A	N/A	N/A	100	N/A
Q3446-01	SB-14	N/A	N/A	N/A	N/A	100	N/A
Q3446-02	SB-15	N/A	N/A	N/A	N/A	100	N/A
Q3446-03	SB-16	N/A	N/A	N/A	N/A	100	N/A
Q3446-04	SB-17	N/A	N/A	N/A	N/A	100	N/A
Q3446-05	SB-18	N/A	N/A	N/A	N/A	100	N/A
Q3446-06	SB-19	N/A	N/A	N/A	N/A	100	N/A
Q3446-07	SB-20	N/A	N/A	N/A	N/A	100	N/A
Q3446-08	SB-21	N/A	N/A	N/A	N/A	100	N/A
Q3447-02	P001-TW1-251023-01	N/A	N/A	N/A	N/A	100	N/A
Q3447-04	P001-TW2-251023-01	N/A	N/A	N/A	N/A	100	N/A
Q3447-06	P001-TW3-251023-01	N/A	N/A	N/A	N/A	100	N/A
Q3447-08	P001-TW4-251023-01	N/A	N/A	N/A	N/A	100	N/A
Q3449-06	CF-620-COMP-41	N/A	N/A	N/A	N/A	100	N/A
Q3451-04	TP-11	N/A	N/A	N/A	N/A	100	N/A
Q3451-08	TP-12	N/A	N/A	N/A	N/A	100	N/A
Q3452-04	JB-1	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 / WC S-2
Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB170239TB	LEB239	N/A	N/A	N/A	N/A	#1	4.94
Q3439-04	TP-9	5.01	96.5	7.6	2.5	#1	4.94
Q3439-08	TP-10	5.02	96.5	7.0	2.5	#1	4.94
Q3440-04	JB-2	5.03	96.5	7.6	2.5	#1	4.94
Q3446-01	SB-14	5.02	96.5	5.5	1.5	#1	4.94
Q3446-02	SB-15	5.03	96.5	5.6	1.5	#1	4.94
Q3446-03	SB-16	5.02	96.5	5.6	2.0	#1	4.94
Q3446-04	SB-17	5.03	96.5	5.5	1.5	#1	4.94
Q3446-05	SB-18	5.02	96.5	5.6	1.5	#1	4.94
Q3446-06	SB-19	5.01	96.5	5.5	2.0	#1	4.94
Q3446-07	SB-20	5.02	96.5	5.6	1.5	#1	4.94
Q3446-08	SB-21	5.03	96.5	5.5	2.0	#1	4.94
Q3447-02	P001-TW1-251023-01	5.04	96.5	7.6	2.5	#1	4.94
Q3447-04	P001-TW2-251023-01	5.03	96.5	7.4	2.5	#1	4.94
Q3447-06	P001-TW3-251023-01	5.02	96.5	6.0	2.0	#1	4.94
Q3447-08	P001-TW4-251023-01	5.01	96.5	5.5	1.5	#1	4.94
Q3449-06	CF-620-COMP-41	5.02	96.5	6.2	2.0	#1	4.94
Q3451-04	TP-11	5.02	96.5	5.8	1.5	#1	4.94
Q3451-08	TP-12	5.01	96.5	7.6	2.5	#1	4.94
Q3452-04	JB-1	5.02	96.5	8.0	3.0	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q3452 WorkList ID : 192673 Department : TCLP Extraction Date : 10-24-2025 10:54:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3439-04	TP-9	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/22/2025	1311
Q3439-08	TP-10	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/23/2025	1311
Q3440-04	JB-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/22/2025	1311
Q3446-01	SB-14	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-02	SB-15	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-03	SB-16	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-04	SB-17	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-05	SB-18	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-06	SB-19	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-07	SB-20	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3446-08	SB-21	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3447-02	P001-TW1-251023-01	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	D41	10/23/2025	1311
Q3447-04	P001-TW2-251023-01	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	D41	10/23/2025	1311
Q3447-06	P001-TW3-251023-01	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	D41	10/23/2025	1311
Q3447-08	P001-TW4-251023-01	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	D41	10/23/2025	1311
Q3449-06	CF-620-COMP-41	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	10/23/2025	1311
Q3451-04	TP-11	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3451-08	TP-12	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/23/2025	1311
Q3452-04	JB-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/24/2025	1311

Date/Time 10/24/25 11:30

Raw Sample Received by: 

Raw Sample Relinquished by: 

Date/Time 10/24/25

Raw Sample Received by: 

Raw Sample Relinquished by: 

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: EH

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,7

Extraction Start Date : 10/27/2025

Extraction Start Time : 10:31

Extraction End Date : 10/27/2025

Extraction End Time : 17:00

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24929
Surrogate	1.0ML	5000 PPB	PP24999
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Ether	N/A	E3969
Acidified Na2SO4	N/A	EP2633
12N H2SO4	N/A	EP2653
NAOH 6N	N/A	EP2654
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14931
Diazomethane	N/A	EP2650
Hexane	N/A	E3978
NACL	N/A	M4459
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with 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 BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/27/25	RS (Ext Lab)	M-P-Pest Procs.
17:05	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 10/27/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr / Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170239TB	PB170239TB	TCLP Herbicide	100	6	Evelyn	RUPESH	10			SEP-1
PB170269BL	HBLK269	TCLP Herbicide	1000	6	Evelyn	RUPESH	10			2
PB170269BS	HLCS269	TCLP Herbicide	1000	6	Evelyn	RUPESH	10			3
Q3447-02	P001-TW1-251023-01	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		4
Q3447-02MS	P001-TW1-251023-01MS	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		5
Q3447-02MS D	P001-TW1-251023-01MS D	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		6
Q3447-04	P001-TW2-251023-01	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		7
Q3447-06	P001-TW3-251023-01	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		8
Q3447-08	P001-TW4-251023-01	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		9
Q3449-06	CF-620-COMP-41	TCLP Herbicide	100	6	Evelyn	RUPESH	10	A		10
IDOC-01	FOR Rahul Charvati		1000	6			10			11
IDOC-02	FOR Rahul Charvati		1000	6			10			12
IDOC-03	FOR Rahul Charvati		1000	6			10			13
IDOC-04	FOR Rahul Charvati		1000	6			10			14

RS
10/27

TCLP EXTRACTION LOGPAGE

PB170239

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170239TB	LEB239	20	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3439-04	TP-9	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q3439-08	TP-10	02	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3440-04	JB-2	03	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3446-01	SB-14	04	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-02	SB-15	05	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3446-03	SB-16	06	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-04	SB-17	07	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3446-05	SB-18	08	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q3446-06	SB-19	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3446-07	SB-20	10	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q3446-08	SB-21	11	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q3447-02	P001-TW1-251023-01	12	100.01	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q3447-04	P001-TW2-251023-01	13	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q3447-06	P001-TW3-251023-01	14	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q3447-08	P001-TW4-251023-01	15	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q3449-06	CF-620-COMP-41	16	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q3451-04	TP-11	17	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q3451-08	TP-12	18	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q3452-04	JB-1	19	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2

10/27/25
70:00

Prep Standard - Chemical Standard Summary

Order ID : Q3447

Test : TCLP Herbicide

Prepbatch ID : PB170269,

Sequence ID/Qc Batch ID: ps102725,Ps102825,

Standard ID :

EP2633,EP2653,EP2654,PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921,PP24922,PP24923,PP24929,PP24999,

Chemical ID :

E3554,E3875,E3882,E3933,E3952,E3966,E3969,E3972,E3978,M6157,M6186,P 11183,P12620,P12630,P12689,P13547,P13548,P13549,P13550,P14071,P14073,P14142,P14143,P14144,P14145,P8829,W3112,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
601	Acidified Sodium Sulphate 2	EP2633	08/15/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/18/2025
<u>FROM</u> 1000.00000ml of E3952 + 150.00000ml of M6157 + 3000.00000ml of E3875 = Final Quantity: 3000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3883	12N H2SO4 solution	EP2653	10/22/2025	04/22/2026	RUPESHKUMAR SHAH	None	None	Yogesh Patel 11/06/2025
<u>FROM</u> 333.00000ml of M6186 + 667.00000ml of W3112 = Final Quantity: 1000.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3884	6 N NAOH	EP2654	10/22/2025	04/22/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Yogesh Patel 11/06/2025
<u>FROM</u>	1000.00000ml of W3112 + 240.00000gram of E3882 = Final Quantity: 1000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1321	2/200 PPM Herb Mega Mix	PP24553	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025
<u>FROM</u>	0.20000ml of P8829 + 1.00000ml of P11183 + 1.00000ml of P12620 + 1.00000ml of P12630 + 1.00000ml of P12689 + 95.80000ml of E3933 = Final Quantity: 100.000 ml							

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>
1851	2/200 PPM Herb Mega Mix 2nd Source	PP24921	08/07/2025	02/07/2026	Abdul Mirza	None	None	Yogesh Patel
								09/22/2025

FROM 0.50000ml of P14071 + 1.00000ml of P13547 + 48.50000ml of E3966 = Final Quantity: 50.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1854	1000 PPB HERB MIX ICV STD	PP24922	08/07/2025	02/07/2026	Abdul Mirza	None	None	Yogesh Patel
								09/22/2025

FROM 0.50000ml of E3966 + 0.50000ml of PP24921 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1691	750 PPB ICV HERB STD	PP24923	08/07/2025	02/07/2026	Abdul Mirza	None	None	Yogesh Patel
								09/22/2025

FROM 0.25000ml of E3966 + 0.75000ml of PP24922 = Final Quantity: 1.000 ml



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,
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Fax : 908 789 8922

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9335-02 / Iso-Octane (2,2,4-Trimethylpentane) Ultra Resi-Analyzed Grade	63160	11/05/2025	08/09/2023 / Rajesh	08/09/2023 / Rajesh	E3554

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	417203	07/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	240301-B077875	01/31/2028	07/30/2025 /	02/24/2025 / RUPESH	E3882

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9244-03 / Ether, Anhydrous, Purified (cs/4x4L)	250419	05/31/2026	07/09/2025 / RUPESH	07/09/2025 / RUPESH	E3952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3966

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9244-03 / Ether, Anhydrous, Purified (cs/4x4L)	250419	05/31/2026	09/05/2025 / Riteshkumar	09/04/2025 / Riteshkumar	E3969

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	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

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)	25C0362006	04/13/2026	10/13/2025 / RUPESH	10/08/2025 / Riteshkumar	E3978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	07/12/2026	08/13/2025 / Sagar	08/06/2025 / Sagar	M6186

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12620

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A192429	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32059 / Herbicide Mix#3 (Methyl Ester), 20000 ug/ml	A0199844	11/12/2025	05/12/2025 / Abdul	07/24/2023 / Abdul	P12689

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids	0006810955	02/07/2026	08/07/2025 / Abdul	09/24/2024 / Abdul	P13547

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	02/07/2026	08/07/2025 / Abdul	09/24/2024 / Abdul	P13547

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13548

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13548

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13549

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13549

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13550

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	03/18/2026	09/18/2025 / Abdul	09/24/2024 / Abdul	P13550

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	02/07/2026	08/07/2025 / Abdul	06/23/2025 / anahy	P14071

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	04/15/2026	10/15/2025 / Abdul	06/23/2025 / anahy	P14073

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	10/31/2031	10/15/2025 / Abdul	08/01/2025 / yogesh	P14142

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	04/15/2026	10/15/2025 / Abdul	08/01/2025 / yogesh	P14143

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	04/15/2026	10/15/2025 / Abdul	08/01/2025 / yogesh	P14144

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	04/15/2026	10/15/2025 / Abdul	08/01/2025 / yogesh	P14145

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Certificate of Analysis



Date of Release: 6/9/2023
Name: 2,2,4-Trimethylpentane [Isooctane]
OmniSolv®
Item No: TX1389 all size codes
Lot / Batch No: 63160
Country of Origin: Germany

Characteristic	Requirement		Results	Units
	Min.	Max.		
Assay (GC)	99.5		> 99.99	%
Capillary ECD responsive substances (as PCNB)		5	0.24	ng/L
Color (APHA)		10	< 10	
Evaporation residue		1	< 0.5	ppm
Filtered through 0.2 µm filter			Passes test	
Fluorescence (as quinine base)		250	71	ppt
Form			Clear liquid	
Infrared Spectrum			Conforms	
Refractive index (at 20°C)			1.3915	
UV Abs. at 200 nm		1.00	0.137	AU
UV Abs. at 220 nm		0.05	0.024	AU
UV Abs. at 230 nm		0.02	0.003	AU
UV Abs. at 250 nm		0.005	0.003	AU
UV Abs. at 270 nm		0.005	0.002	AU
UV Abs. at 300 nm		0.005	0.004	AU
UV Cut-off		200	191.1	nm
Water (H ₂ O)		0.01	0.001	%

Michael Hutchinson,

Quality Control Manager

This document has been produced electronically and is valid without a signature.

EMD Millipore is a division of Merck KGaA, Darmstadt, Germany
EMD Millipore Corporation
400 Summit Drive,
Burlington, MA 01803
U.S.A.

Recd by RP on 8/9/23

E3554



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
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:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
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%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

RE-02-01, Ed. 3

E 3875



CERTIFICATE OF ANALYSIS

Product Name Sodium Hydroxide Pellets
Grade ACS/NF/EP/BP Grade
Catalog # 289ACSNFEPBP
Item # 103433
Batch # 240301-B077875
Date of Manufacture: 01 Feb 2024
Recommended Retest Date: 31 Jan 2028
Customer PO # 6058164
Packaging Type Drum Fiber 50 Kg

TEST	MONO- GRAPH	SPECIFICATION	RESULT	UNITS
Assay	ACS	NLT 97.0%	98.7	%
Assay - Total Alkali	NF	95.0% - 100.5%	98.7	%
Assay - Content of Sodium	NF	54.0% - 59.8%	56.7	%
Appearance of solution	EP/BP	The solution is clear and colourless	Pass	N/A
Sodium Carbonate (Na ₂ CO ₃)	ACS	1.0% max.	0.5	%
Sodium Carbonate (Na ₂ CO ₃)	NF	3.0% max.	0.5	%
Carbonates	EP/BP	Maximum 2.0%, calculated as Na ₂ CO ₃	0.5	%
Sulfate (SO ₄)	ACS	0.003% max.	LT 0.002%	N/A
Sulfates	EP/BP	Maximum 200 ppm	LT 20 ppm	N/A
Chloride (Cl)	ACS	0.005% max.	LT 0.005%	N/A
Chlorides	EP/BP	Maximum 200 ppm	LT 50 ppm	N/A
Nitrogen Compounds (as N)	ACS	0.001% max.	LT 0.001%	N/A
Phosphate (PO ₄)	ACS	0.001% max.	LT 0.001%	N/A
Heavy Metals (as Ag)	ACS	0.002% max	LT 0.002%	N/A
Iron (Fe)	ACS	0.001% max.	LT 0.001%	N/A

E 3882	E3884
E3883	E3885

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n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**TM



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

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	E198
Lot Number	250419
Description	ETHYL ETHER, HPLC GRADE
CAS Number	60-29-7
Quality Test/Release Date	02/Jun/2025
Suggested retest date	31/May/2026
Country of Origin	Mexico
Declaration of Origin	Organic - synthetic
BSE/TSE	This product was derived from synthetic raw materials and the manufacturing process excluded contamination with any animal products.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid free of suspended matter
ASSAY	%	>= 99	99.95
CARBONYL COMPOUNDS	%	<= 0.001	<0.001
COLOR	APHA	<= 10	5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.708 - 0.710	0.710
EVAPORATION RESIDUE	ppm	<= 5	0.1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 218 NM	ABSORBANCE UNITS	<= 1.00	0.15
OPTICAL ABS AT 254 NM	ABSORBANCE UNITS	<= 0.07	0.03
OPTICAL ABS AT 280 NM	ABSORBANCE UNITS	<= 0.02	0.003
OPTICAL ABS AT 350 NM	ABSORBANCE UNITS	<= 0.01	<0.001
PEROXIDE	ppm	<= 5	<1
PRESERVATIVE - ETHANOL	%	Inclusive Between 1.5 - 2.5	1.6
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.3490 - 1.3520	1.3498
SUBSTANCES DARKENED BY H2SO4	PASS/FAIL	= PASS TEST	PASS TEST
TITRATABLE ACID	MEQ/G	<= 0.0002	<0.00003
WATER (H2O)	%	<= 0.01	0.008



Matthew Micek
QC Supervisor

Received on 7/9/25
E3952

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

Avantor

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	$\leq 1.0 \text{ ppm}$	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

E 3966



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

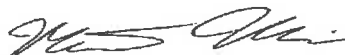
100 Matsonford Rd, Suite 200, Radnor, PA, 19087 U.S.A. Phone 610.386.1700

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	E198
Lot Number	250419
Description	ETHYL ETHER, HPLC GRADE
CAS Number	60-29-7
Quality Test/Release Date	02/Jun/2025
Suggested retest date	31/May/2026
Country of Origin	Mexico
Declaration of Origin	Organic - synthetic
BSE/TSE	This product was derived from synthetic raw materials and the manufacturing process excluded contamination with any animal products.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid free of suspended matter
ASSAY	%	>= 99	99.95
CARBONYL COMPOUNDS	%	<= 0.001	<0.001
COLOR	APHA	<= 10	5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.708 - 0.710	0.710
EVAPORATION RESIDUE	ppm	<= 5	0.1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 218 NM	ABSORBANCE UNITS	<= 1.00	0.15
OPTICAL ABS AT 254 NM	ABSORBANCE UNITS	<= 0.07	0.03
OPTICAL ABS AT 280 NM	ABSORBANCE UNITS	<= 0.02	0.003
OPTICAL ABS AT 350 NM	ABSORBANCE UNITS	<= 0.01	<0.001
PEROXIDE	ppm	<= 5	<1
PRESERVATIVE - ETHANOL	%	Inclusive Between 1.5 - 2.5	1.6
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.3490 - 1.3520	1.3498
SUBSTANCES DARKENED BY H2SO4	PASS/FAIL	= PASS TEST	PASS TEST
TITRATABLE ACID	MEQ/G	<= 0.0002	<0.00003
WATER (H2O)	%	<= 0.01	0.008



Matthew Micek
QC Supervisor

E 3969

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

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.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
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	0.2 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

E 3978



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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



MG157
MS

Material No.: 9673-33

Batch No.: 24I1262013

Manufactured Date: 2024-08-07

Retest Date: 2029-08-06

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO ₂)	<= 2 ppm	<2 ppm
Ammonium (NH ₄)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO ₃)	<= 0.2 ppm	0.1 ppm
Phosphate (PO ₄)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

 **avantors**™



Material No.: 9673-33

Batch No.: 2411262013

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	1.1 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 1.0 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



M6186

Recieve Date :- 08/06/25

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H ₂ SO ₄)	95.0 - 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Substances Reducing Permanganate (as SO ₂)	≤ 2 ppm	< 2 ppm
Ammonium (NH ₄)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO ₃)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO ₄)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities - Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities - Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities - Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities - Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities - Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities - Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities - Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

 **avantorsm**

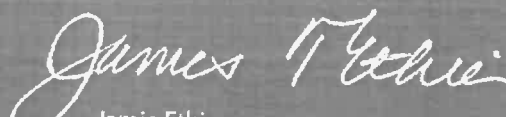


Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

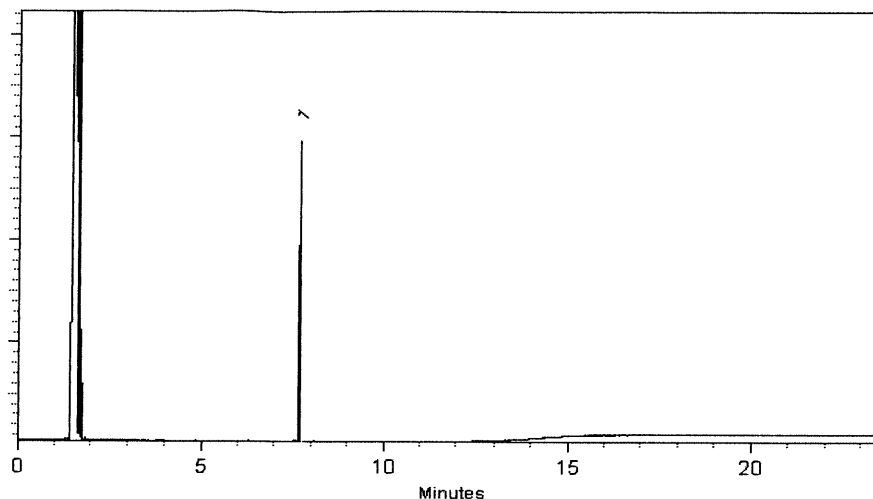
250°C

Det. Temp:

330°C

Det. Type:

FID

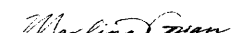


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Katelyn McGinnis - Operations Tech I

Date Mixed: 28-May-2021

Balance: B345965662


Marlene Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

1911177
70
P 111 86
AR
11/02/21



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864
Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard
515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : February 29, 2028 **Storage:** 10°C or colder
Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323 µg/mL Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182 µg/mL Unstressed
	Purity 99%		+/- 6.8182 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11177
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P11186
—
AR
01/02/21



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32062 **Lot No.:** A0155055

Description : Herbicide Mix #4/ME (Methyl Ester)

Herbicide Mix #4/ME (Methyl Ester) 200µg/mL,
Hexane/Methyl-tert-butyl-ether, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

P12616 / (5)
↓
P12620
✓ *Paul* =
7/5/2023

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	3,5-Dichlorobenzoic acid methyl ester CAS # 2905-67-1 (Lot 3903900) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
2	4-Nitroanisole CAS # 100-17-4 (Lot 24765/7) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
3	Pentachloroanisole CAS # 1825-21-4 (Lot 7921100) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
4	Chloramben methyl ester CAS # 7286-84-2 (Lot 6487100) Purity 98%	199.9 µg/mL	+/- 1.4176 µg/mL Gravimetric +/- 6.7480 µg/mL Unstressed +/- 6.7480 µg/mL Stressed
5	Bentazon methyl ester CAS # 61592-45-8 (Lot 817100) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
6	Picloram methyl ester CAS # 14143-55-6 (Lot 386-21B) Purity 98%	201.9 µg/mL	+/- 1.4315 µg/mL Gravimetric +/- 6.8141 µg/mL Unstressed +/- 6.8141 µg/mL Stressed
7	DCPA methyl ester (Chlorthal-dimethyl) CAS # 1861-32-1 (Lot 8008700) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed

8	Acifluorfen methyl ester	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric
	CAS # 50594-67-7 (Lot 6282300)		+/- 6.7507	µg/mL	Unstressed
	Purity 99%		+/- 6.7507	µg/mL	Stressed

Solvent: Hexane/Methyl-tert-butyl-ether
CAS # 110-54-3/1634-04-4
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

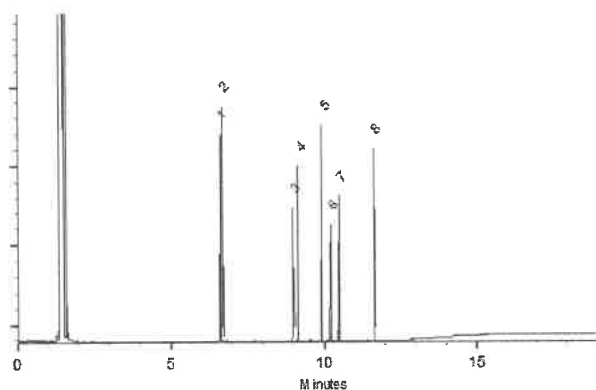
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maje

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Justine Albertson
Justine Albertson - Operations Tech-ARM QC

Date Passed: 18-Nov-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32055 **Lot No.:** A0192429

Description : Herbicide Mix #1/ME (Methyl Ester)
Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P12626 / 5
P12630
7/5/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	11705400	99%	201.6 µg/mL	+/- 3.4204
2	Dichlorprop methyl ester	57153-17-0	11672100	99%	201.4 µg/mL	+/- 3.4170
3	2,4-D methyl ester	1928-38-7	10048000	99%	201.2 µg/mL	+/- 3.4136
4	2,4,5-TP (silvex) methyl ester	4841-20-7	6364900	99%	201.2 µg/mL	+/- 3.4136
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	200.7 µg/mL	+/- 3.4052
6	Dinoseb methyl ether	6099-79-2	12914300	99%	200.8 µg/mL	+/- 3.4068
7	2,4-DB methyl ester	18625-12-2	12542000	99%	201.0 µg/mL	+/- 3.4102

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

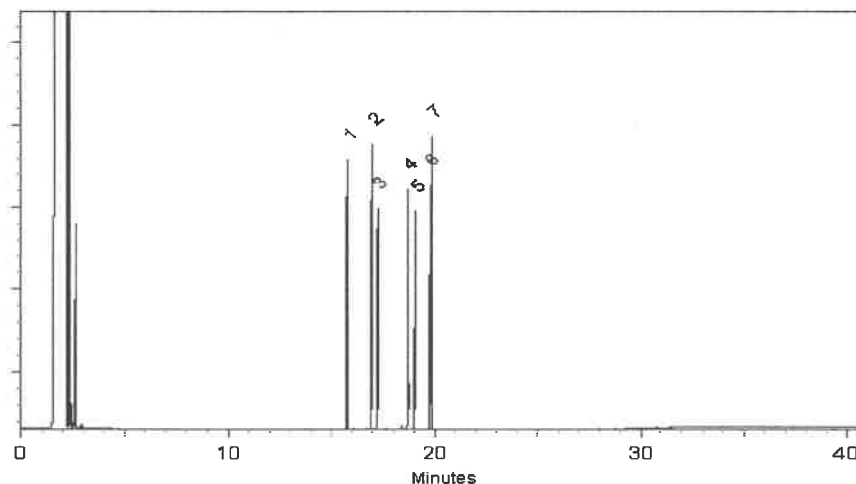
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Penelope Riglin - Operations Tech I

Date Mixed: 09-Dec-2022

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 12-Dec-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)
Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P 12685 / (S)
↓
P 12689
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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	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

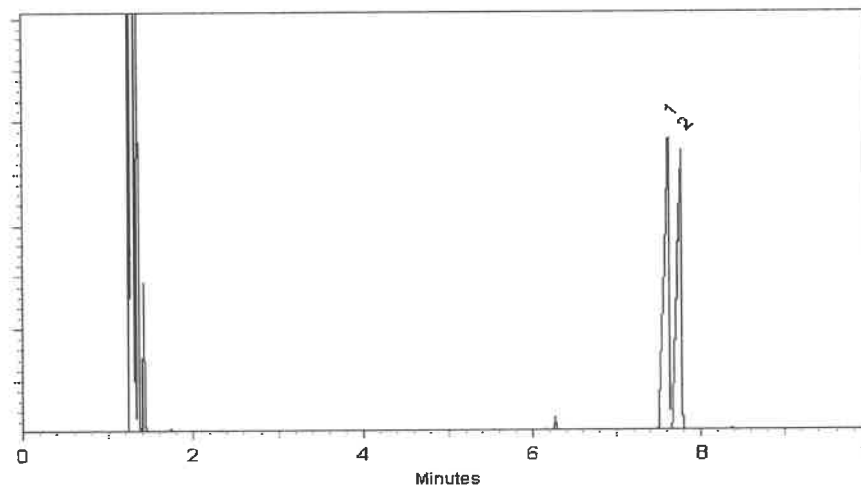
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3 ±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019 ±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011 ±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4 ±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541
↓
P13561
20
9/25/2024

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
↓
P13561
20
9/25/2024

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
↓
P13561
20
9/25/2024

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
↓
P13561
20
9/25/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P14064
↓
P14073 } AC
6/23/25

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%



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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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

P14064
↓
P14073 } AC
6/23/25

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%



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

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:

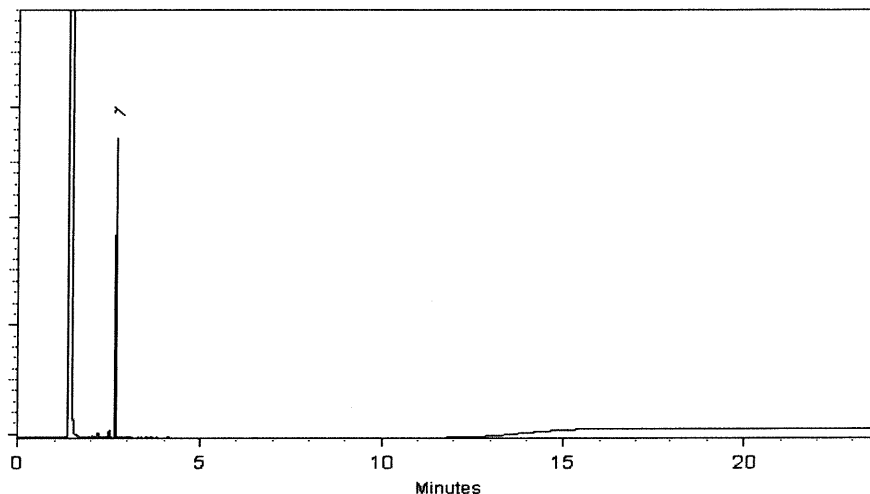
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2019

Balance: 1127510105

Feng-Yin Lo - QC Analyst

Date Passed: 15-Apr-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



SHIPPING DOCUMENTS

Q3447

USEPA

DateShipped: 10/23/2025

CarrierName: Hand Deliver

AirbillNo: N/A

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-102325-0004-0037-1

RFP #906

Lab: Alliance Technical Group, LLC - Non CLP

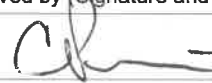
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW1-251023-01	Waste		A	TAL VOCs		10/23/2025	10:00	4	5 gram Encore/4 oz glass	4 C	N
	P001-TW1-251023-01	Waste		B	TAL SVOCs		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		C	TAL PCBs		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		D	TAL Pesticides		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		E	TAL Metals + Hg + CN		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		F	TCLP VOC		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		G	TCLP SVOC, TCLP Pesticide		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		I	TCLP Metals + Hg		10/23/2025	10:00	1	8 oz glass	4 C	N
	P001-TW1-251023-01	Waste		J	TCLP Herbicide		10/23/2025	10:00	1	8 oz glass	4 C	N

Special Instructions: **POSSIBLE HIGH CONCENTRATIONS** Please email results to s.sumbaly@westonsolutions.com and josh.frizzell@westonsolutions.com. Associate with RFP# 906. 10 Days TAT. Sample P001-TW4-251023-01 has limited volume and may require warming to remove from the sample jar. Samples too hard for Encore are in 4 oz. septum jars.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Initials	Olga Kuznetsova	10/23/25 1330		10/23/25 1330	IF-60 #1 2.1-c

Q3447

USEPA

DateShipped: 10/23/2025

CarrierName: Hand Deliver

AirbillNo: N/A

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-102325-0004-0037-1

RFP #905

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW2-251023-01	Waste		A	TAL VOCs		10/23/2025	10:30	4	5 gram Encore/4 oz glass	4 C	N
	P001-TW2-251023-01	Waste		B	TAL SVOCs		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		C	TAL PCBs		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		D	TAL Pesticides		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		E	TAL Metals + Hg + CN		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		F	TCLP VOC		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		G	TCLP SVOC, TCLP Pesticide		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		I	TCLP Metals + Hg		10/23/2025	10:30	1	8 oz glass	4 C	N
	P001-TW2-251023-01	Waste		J	TCLP Herbicide		10/23/2025	10:30	1	8 oz glass	4 C	N

Special Instructions: **POSSIBLE HIGH CONCENTRATIONS.** Please email results to s.sumbaly@westonsolutions.com and josh.frizzell@westonsolutions.com. Associate with RFP# 905. 10 Days TAT. Sample P001-TW4-251023-01 has limited volume and may require warming to remove from the sample jar. Samples too hard for Encore are in 4 oz. septum jars.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Olga Kuznitskaya	10/23/25 13:30	CF	10/23/25 13:30	If Con #1 2.1

Q3447

USEPA

DateShipped: 10/23/2025

CarrierName: Hand Deliver

AirbillNo: N/A

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-102325-0004-0037-1

RFP #905

Lab: Alliance Technical Group, LLC - Non
CLP

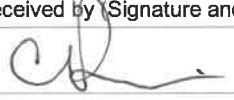
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-TW3-251023-01	Waste		A	TAL VOCs		10/23/2025	11:00	1	4 oz glass w/septum	4 C	N
	P001-TW3-251023-01	Waste		B	TAL SVOCs		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		C	TAL PCBs		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		D	TAL Pesticides		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		E	TAL Metals + Hg + CN		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		F	TCLP VOC		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		G	TCLP SVOC, TCLP Pesticide		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		I	TCLP Metals + Hg		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW3-251023-01	Waste		J	TCLP Herbicide		10/23/2025	11:00	1	8 oz glass	4 C	N
	P001-TW4-251023-01	Waste		A	TAL VOCs		10/23/2025	11:30	1	4 oz glass w/septum	4 C	N

Special Instructions: **POSSIBLE HIGH CONCENTRATIONS** Please email results to s.sumbaly@westonsolutions.com and josh.frizzell@westonsolutions.com. Associate with RFP# 905. 10 Days TAT. Sample P001-TW4-251023-01 has limited volume and may require warming to remove from the sample jar. Samples too hard for Encore are in 4 oz. septum jars.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	Oleg Kuzmitskanz	10/23/25 1330		10/23/25 1330	21 Cont 1 2.1 -1

Lab Phone: 908-728-3144

[illegible]

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	<i>oka kuzmitskaya</i>	10/23/25 1330	<i>OK</i>	10/23/25 1330	IF Cont #1 2.1

Precautionary Measures Against Hidden Hazards in Laboratory Samples

Notice to Laboratory Personnel

Background

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund) of 1980, as amended, Section 311 of the Clean Water Act (CWA), as amended, by the Oil Pollution Act of 1990, Subtitle I of the Resource Conservation and Recovery Act (RCRA), an pursuant to the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) and Presidential Decision Document (PDD) #39, the Environmental Protection Agency (EPA) has been delegated the responsibility to undertake response actions with respect to, as a general matter, the release or threat of release of oil, petroleum products, hazardous substances, or pollutants and contaminants, that pose an actual or potential threat to human health or welfare, or to the environment. EPA is responsible for conducting evaluations and cleanups of uncontrolled hazardous substance disposal sites and placing those that are considered to pose a significant threat to the public health or the environment on the National Priorities List (NPL).

EPA's successful implementation of these emergency response action responsibilities requires that technical support capabilities be provided in the form of a contracted Superfund Technical Assessment & Response Team (START) for EPA. The WESTON START Contract 68HE0319D0004, provides this support to EPA Region II.

Hazardous Communication

The Samples which accompany this notice were shipped to your laboratory for analysis in accordance with applicable D.O.T. or IATA Regulations and were collected by the WESTON START and tentatively designated by the field response team, as either environmental or hazardous material samples.

In general, *Environmental Samples* are collected from streams, farm ponds, small lakes, wells, and off-site soil locations that are not reasonably expected to be contaminated with hazardous materials. Samples of on-site soils or water, and materials collected from drums, bulk storage tanks, obviously contaminated ponds, impoundments, lagoons, pools, and leachates from hazardous waste sites are considered *Hazardous Samples*. Samples which are obtained from a known radioactive material contamination site or which demonstrate beta or gamma activity greater than three times average background as scanned with a radiation survey meter are considered *Radioactive Samples*.

The samples which accompany this notice were tentatively classified by the field response team as:

___ Environmental ☒ Hazardous ___ Comb (Envir. & Haz) ___ Radioactive

The field team which collected the samples used the following Level(s) of personal protection as designated by EPA and OSHA conventions to provide protection against possible radiological or chemical exposure:

___ Level A ___ Level B ☒ Level C ___ Level D

This information is intended for use as a guide for the safe handling of these laboratory samples in accordance with EPA and OSHA regulations. The Sample classification(s) and Levels of personal protection used by the WESTON START are not represented to be, nor are they adequate or applicable in all situations, nor are they intended to serve as substitutes for professional/personal judgement.

Laboratory Name: Alkane RFP No. 905

Prepared by: Josh Fritzel Date 10-23-2025

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3447	ROYF02	Order Date : 10/23/2025 1:50:00 PM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 905	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 10/23/2025 1:30:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Weston Solutions, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Smita Sumbaly			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3447-01	P001-TW1-251023-01	Solid	10/23/2025	10:00	VOC-TCLVOA-10		8260D		10 Bus. Days
Q3447-03	P001-TW2-251023-01	Solid	10/23/2025	10:30 ~~10:00~~	VOC-TCLVOA-10		8260D		10 Bus. Days
Q3447-05	P001-TW3-251023-01	Solid	10/23/2025	11:00 ~~10:00~~	VOC-TCLVOA-10		8260D		10 Bus. Days
Q3447-07	P001-TW4-251023-01	Solid	10/23/2025	11:30 ~~10:00~~	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By : cl

Date / Time : 10/23/25 1437

Received By : AK

Date / Time : 10/23/25 1437

Storage Area : VOA Refridgerator Room