

DATA PACKAGE GC SEMI-VOLATILES

PROJECT NAME : NWIRP NORTHRUP GRUMMAN SITE – BETHPAGE, NY

**ICE SERVICE GROUP, INC.
191 Central Avenue Suite 200C**

**Newark, NJ - 07103
Phone No: 4129165710**

**ORDER ID : Q3399
ATTENTION : Dennis D. Morgan, II**



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3399

Project ID : NWIRP Northrup Grumman Site – Bethpage, NY

Client : ICE Service Group, Inc.

Lab Sample Number

Q3399-01
Q3399-02
Q3399-03
Q3399-04

Client Sample Number

COMP-ROLLOFF
COMP-ROLLOFF
COMP-ROLLOFF
COMP-ROLLOFF

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: 12/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ICE Service Group, Inc.

Project Name: NWIRP Northrup Grumman Site – Bethpage, NY

Project # N/A

Order ID # Q3399

Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 10/20/2025.

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 µm df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 µm df, Catalog #: 11324. The analysis of 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.

The Retention Times were met for all analysis.

The MS {Q3399-02MS} with File ID: PS032145.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)49%] due to matrix interference.

The MSD {Q3399-02MSD} with File ID: PS032146.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)48%] due to matrix interference.

The sample # COMP-ROLLOFFMS and MSD is failing for 2,4,5-TP(Silvex) and the original sample (COMP-ROLLOFF) is reported with M flag for this compound.

The RPD were met for all analysis.

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. Manual Integration Comments:



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

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_____

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This 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: Q3399

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.			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q3399-02MS} with File ID: PS032145.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)49%] due to matrix interference. The MSD {Q3399-02MSD} with File ID: PS032146.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)48%] due to matrix interference. The sample # COMP-ROLLOFFMS and MSD is failing for 2,4,5-TP(Silvex) and the original sample (COMP-ROLLOFF) is reported with M flag for this compound. The Blank Spike met requirements for all compounds. The RPD were met for all analysis.		✓	
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:



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3399

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 12/17/2025

LAB CHRONICLE

OrderID:	Q3399	OrderDate:	10/20/2025 1:23:08 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3399-01	COMP-ROLLOFF	SOIL			10/20/25			10/20/25
			Diesel Range Organics	8015D		10/22/25	10/22/25	
			Gasoline Range Organics	8015D			10/21/25	
			Herbicide	8151A		10/22/25	10/23/25	
			PCB	8082A		10/22/25	10/22/25	
			Pesticide-TCL	8081B		10/22/25	10/22/25	
Q3399-02	COMP-ROLLOFF	TCLP			10/20/25			10/20/25
			TCLP Herbicide	8151A		10/22/25	10/23/25	
			TCLP Pesticide	8081B		10/22/25	10/22/25	

Hit Summary Sheet
SW-846

SDG No.: Q3399

Order ID: Q3399

Client: ICE Service Group, Inc.

Project ID: NWIRP Northrup Grumman Site – Be

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

Client ID :

Total Concentration: 0.000



QC SUMMARY

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Surrogate Summary

SDG No.: Q3399

Client: ICE Service Group, Inc.

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS031982.D	PIBLK-PS031982.D	2,4-DCAA	1	500	308	62		32	138
		2,4-DCAA	2	500	407	81		32	138
I.BLK-PS032131.D	PIBLK-PS032131.D	2,4-DCAA	1	500	407	81		32	138
		2,4-DCAA	2	500	504	101		32	138
PB170220BL	PB170220BL	2,4-DCAA	1	500	364	73		32	138
		2,4-DCAA	2	500	472	94		32	138
PB170220BS	PB170220BS	2,4-DCAA	1	500	505	101		32	138
		2,4-DCAA	2	500	505	101		32	138
Q3399-02	COMP-ROLLOFF	2,4-DCAA	1	500	377	75		32	138
		2,4-DCAA	2	500	459	92		32	138
I.BLK-PS032143.D	PIBLK-PS032143.D	2,4-DCAA	1	500	416	83		32	138
		2,4-DCAA	2	500	506	101		32	138
Q3399-02MS	COMP-ROLLOFFMS	2,4-DCAA	1	500	349	70		32	138
		2,4-DCAA	2	500	550	110		32	138
Q3399-02MSD	COMP-ROLLOFFMSD	2,4-DCAA	1	500	364	73		32	138
		2,4-DCAA	2	500	443	89		32	138
I.BLK-PS032147.D	PIBLK-PS032147.D	2,4-DCAA	1	500	419	84		32	138
		2,4-DCAA	2	500	492	98		32	138
I.BLK-PS032150.D	PIBLK-PS032150.D	2,4-DCAA	1	500	360	72		32	138
		2,4-DCAA	2	500	513	103		32	138
PB170172TB	PB170172TB	2,4-DCAA	1	500	343	69		32	138
		2,4-DCAA	2	500	465	93		32	138
I.BLK-PS032153.D	PIBLK-PS032153.D	2,4-DCAA	1	500	391	78		32	138
		2,4-DCAA	2	500	530	106		32	138

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3399</u>	Analytical Method:	<u>8151A</u>
Client:	<u>ICE Service Group, Inc.</u>	DataFile :	<u>PS032145.D</u>

		Sample		Rec		RPD		Limits			
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3399-02MS	Client Sample ID:	COMP-ROLLOFFMS								
(Column 1)											
2,4-D	50	0	25.1	ug/L	50				45	152	
2,4,5-TP(Silvex)	50	0	24.5	ug/L	49	*			51	134	
Lab Sample ID:	Q3399-02MS	Client Sample ID:	COMP-ROLLOFFMS								
(Column 2)											
2,4-D	50	0	29.1	ug/L	58				45	152	
2,4,5-TP(Silvex)	50	0	30.6	ug/L	61				51	134	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3399</u>	Analytical Method:	<u>8151A</u>
Client:	<u>ICE Service Group, Inc.</u>	DataFile :	<u>PS032146.D</u>

		Sample					Rec		RPD		Limits	
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3399-02MSD (Column 1)	Client Sample ID:		COMP-ROLLOFFMSD								
	2,4-D	50	0	24.5	ug/L	49		2		45	152	20
	2,4,5-TP(Silvex)	50	0	24.1	ug/L	48	*	2		51	134	20
Lab Sample ID:	Q3399-02MSD (Column 2)	Client Sample ID:		COMP-ROLLOFFMSD								
	2,4-D	50	0	28.7	ug/L	57		2		45	152	20
	2,4,5-TP(Silvex)	50	0	30.3	ug/L	61		0		51	134	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3399</u>	Analytical Method:	<u>8151A</u>
Client:	<u>ICE Service Group, Inc.</u>	Datafile :	<u>PS032134.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB170220BS (Column 1)	2,4-D	5	4.80	ug/L	96				45	152	
	2,4,5-TP(Silvex)	5	4.80	ug/L	96				51	134	
PB170220BS (Column 2)	2,4-D	5	4.50	ug/L	90				45	152	
	2,4,5-TP(Silvex)	5	4.80	ug/L	96				51	134	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170220BL

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab Sample ID: PB170220BL

Lab File ID: PS032133.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/22/2025

Date Analyzed (1): 10/23/2025

Date Analyzed (2): 10/23/2025

Time Analyzed (1): 10:31

Time Analyzed (2): 10:31

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
PB170220BS	PB170220BS	PS032134.D	10/23/2025	10/23/2025
COMP-ROLLOFF	Q3399-02	PS032136.D	10/23/2025	10/23/2025
COMP-ROLLOFFMS	Q3399-02MS	PS032145.D	10/23/2025	10/23/2025
COMP-ROLLOFFMSD	Q3399-02MSD	PS032146.D	10/23/2025	10/23/2025
PB170172TB	PB170172TB	PS032152.D	10/24/2025	10/24/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client: ICE Service Group, Inc.	Date Collected:	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/22/25	
Client Sample ID: PB170172TB	SDG No.: Q3399	
Lab Sample ID: PB170172TB	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 100 mL	Test: TCLP Herbicide	Final Vol: 10000 uL
Prep Method: 8151A		Prep Date 10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	15.0	U	1	9.20	15.0	20.0	ug/L	10/24/25 12:28	PB170220
93-72-1	2,4,5-TP (Silvex)	15.0	U	1	7.80	15.0	20.0	ug/L	10/24/25 12:28	PB170220
SURROGATES										
19719-28-9	2,4-DCAA	465			32 - 138		93%	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
Q3399-TCLP Herbicide

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\PS102425\
Data File : PS032152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 12:28
Operator : AR\AJ
Sample : PB170172TB
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170172TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 06:22:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.284	7.752	1635.6E6	511.4E6	343.113	464.745 #

Target Compounds

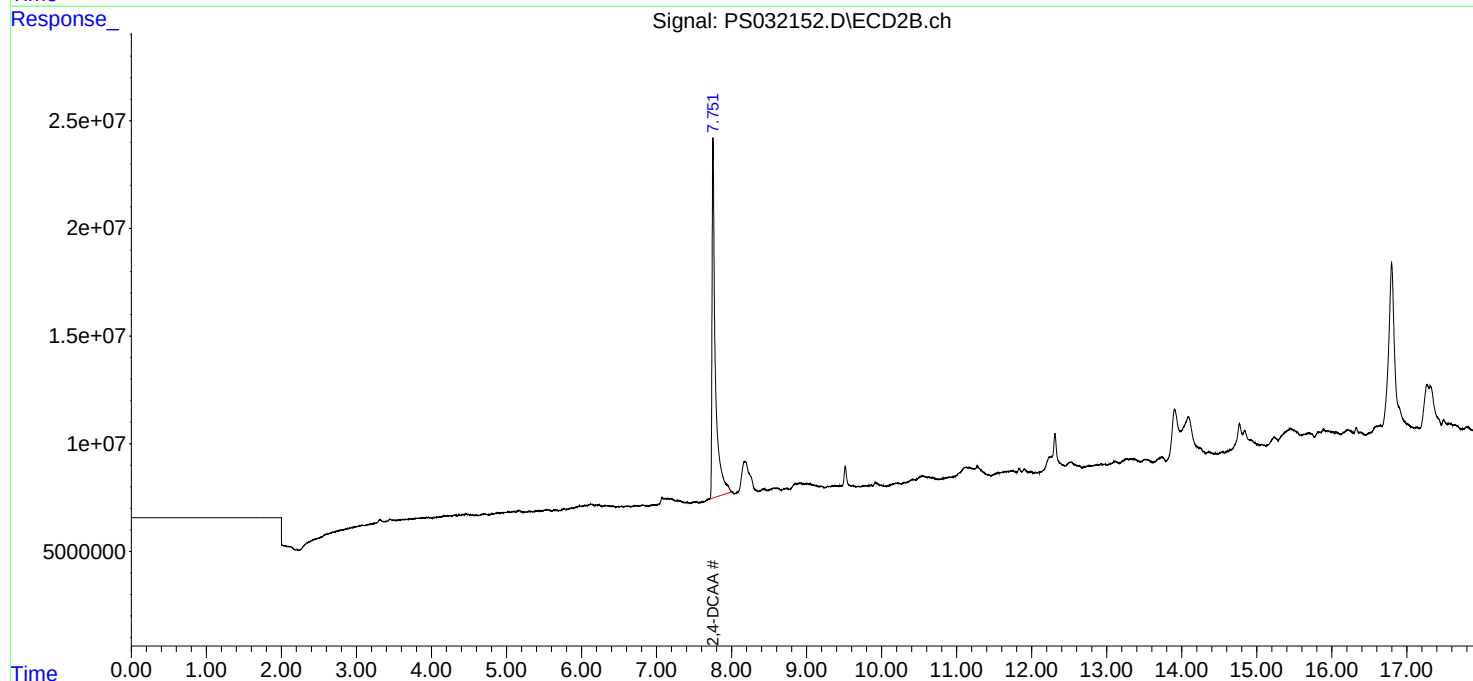
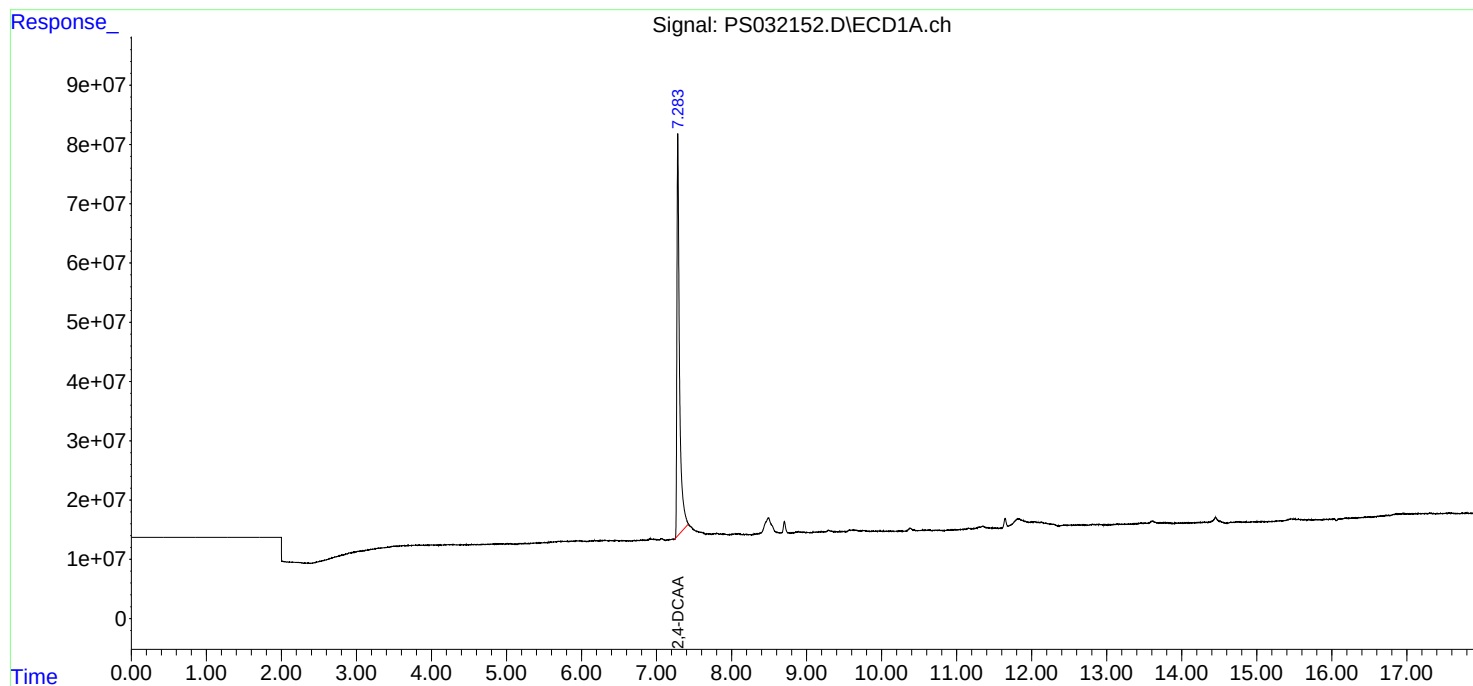
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102425\
Data File : PS032152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 12:28
Operator : AR\AJ
Sample : PB170172TB
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170172TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 06:22:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

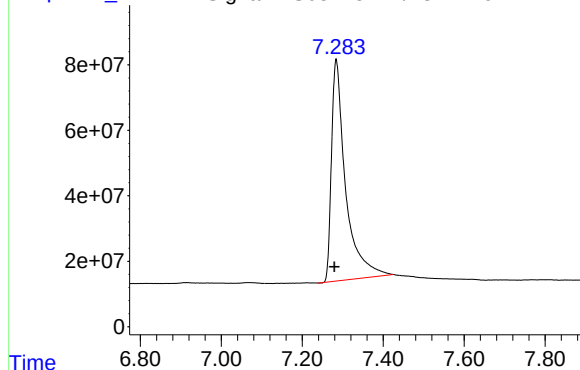
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS032152.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.284 min
Delta R.T.: 0.004 min
Response: 1635630044
Conc: 343.11 ng/ml

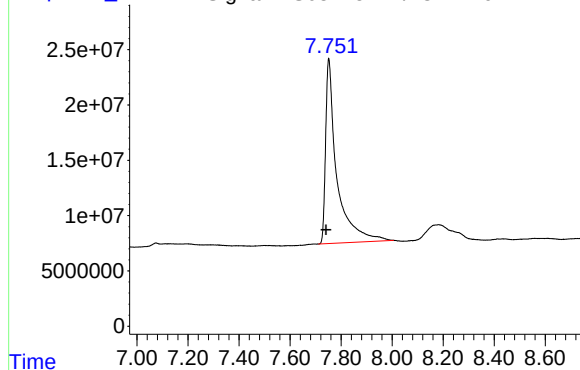
Instrument :
ECD_S
ClientSampleId :
PB170172TB

Time

Response_

Signal: PS032152.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.752 min
Delta R.T.: 0.011 min
Response: 511377993
Conc: 464.75 ng/ml

Time

Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFF		SDG No.:	Q3399
Lab Sample ID:	Q3399-02		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/22/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	15.0	U	1	9.20	15.0	20.0	ug/L	10/23/25 11:44	PB170220
93-72-1	2,4,5-TP (Silvex)	15.0	UM	1	7.80	15.0	20.0	ug/L	10/23/25 11:44	PB170220
SURROGATES										
19719-28-9	2,4-DCAA	459			32 - 138		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
Q3399-TCLP Herbicide

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\PS102325\
Data File : PS032136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 11:44
Operator : AR\AJ
Sample : Q3399-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFF

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 17:31:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.278	7.743	1798.7E6	505.0E6	377.310m	458.930m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 11:44
Operator : AR\AJ
Sample : Q3399-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

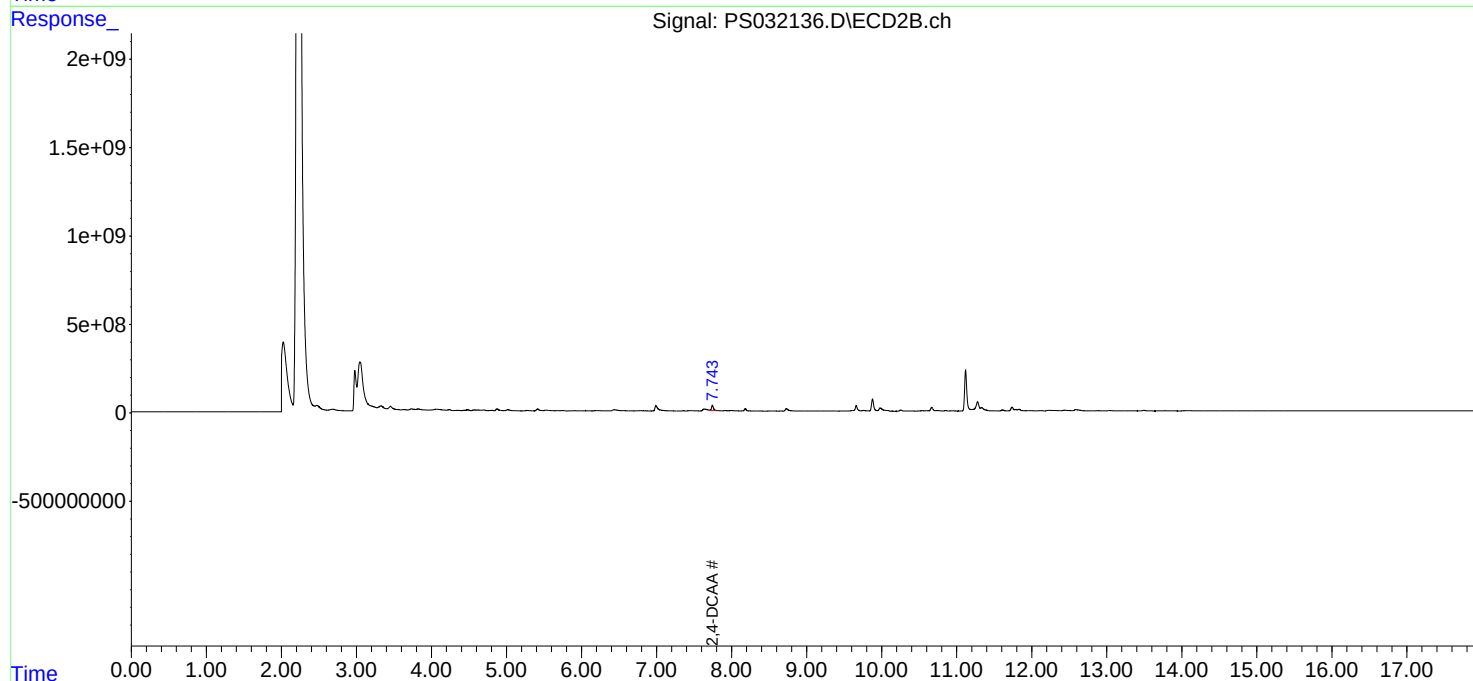
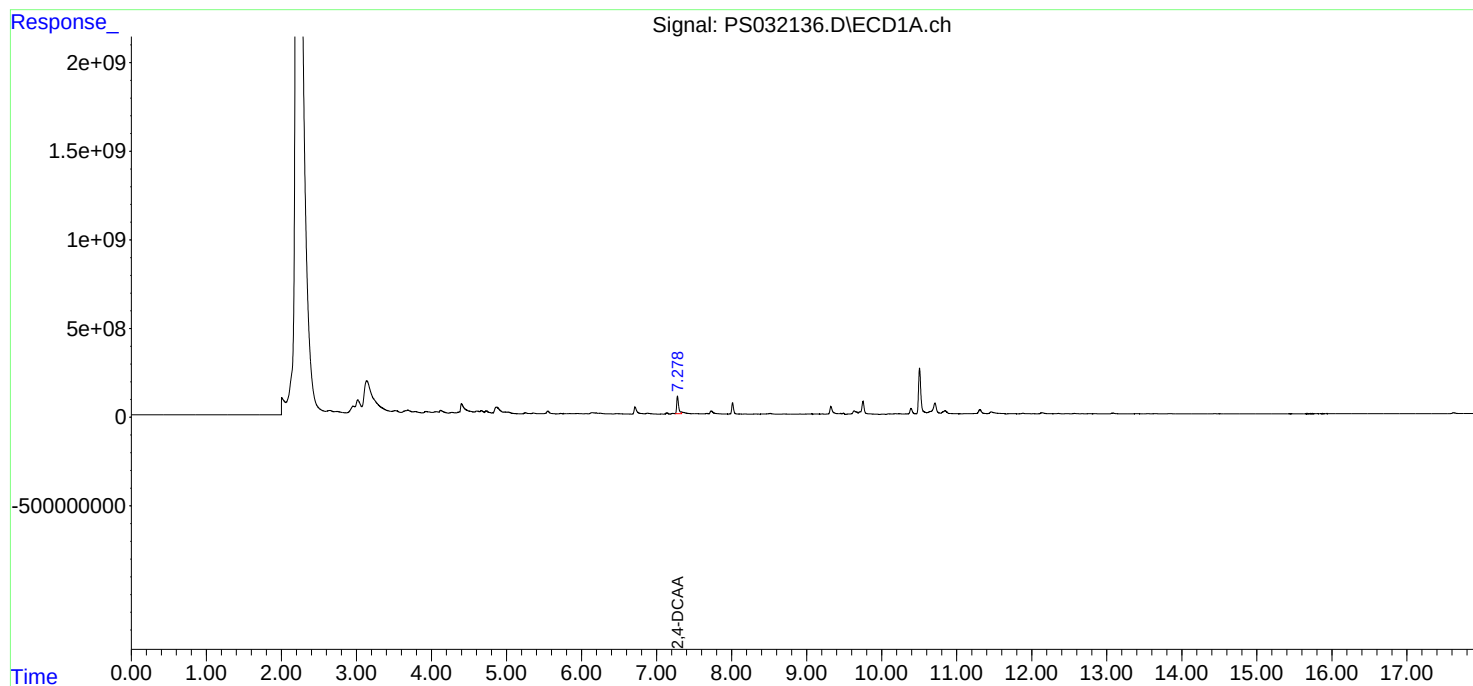
Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFF

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 17:31:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_

Signal: PS032136.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.278 min

Delta R.T.: -0.002 min

Response: 1798651114

Conc: 377.31 ng/ml

Instrument :

ECD_S

ClientSampleId :

COMP-ROLLOFF

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Time

Response_

Signal: PS032136.D\ECD2B.ch

#4 2,4-DCAA

R.T.: 7.743 min

Delta R.T.: 0.002 min

Response: 504979181

Conc: 458.93 ng/ml m

Time



CALIBRATION SUMMARY

1
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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3399</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>10/13/2025</u> <u>10/13/2025</u>
		Calibration Times:	<u>10:53</u> <u>12:29</u>

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

LAB FILE ID:	RT 200 = <u>PS031983.D</u>	RT 500 = <u>PS031984.D</u>
RT 750 = <u>PS031985.D</u>	RT 1000 = <u>PS031986.D</u>	RT 1500 = <u>PS031987.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM TO	
2,4,5-TP(Silvex)	9.29	9.28	9.28	9.28	9.28	9.28	9.18	9.38
2,4-D	8.43	8.42	8.41	8.41	8.41	8.41	8.31	8.51
2,4-DCAA	7.29	7.28	7.28	7.28	7.28	7.28	7.18	7.38

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3399</u>
Instrument ID:	<u>ECD_S</u>	Calibration Date(s):	<u>10/13/2025</u> <u>10/13/2025</u>
		Calibration Times:	<u>10:53</u> <u>12:29</u>

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

LAB FILE ID:	RT 200 = <u>PS031983.D</u>	RT 500 = <u>PS031984.D</u>
RT 750 = <u>PS031985.D</u>	RT 1000 = <u>PS031986.D</u>	RT 1500 = <u>PS031987.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM TO	
2,4,5-TP(Silvex)	9.90	9.89	9.89	9.89	9.89	9.89	9.79	9.99
2,4-D	9.02	9.01	9.00	9.00	9.00	9.01	8.91	9.11
2,4-DCAA	7.76	7.75	7.74	7.74	7.74	7.75	7.65	7.85



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ICES02
SDG NO.: Q3399

Calibration Date(s): 10/13/2025 10/13/2025
Calibration Times: 10:53 12:29

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

LAB FILE ID:		CF 200 =	<u>PS031983.D</u>	CF 500 =	<u>PS031984.D</u>		
CF 750 =		<u>PS031985.D</u>	CF 1000 =	<u>PS031986.D</u>	CF 1500 =	<u>PS031987.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	33202700000	28816500000	28438300000	26226900000	24525800000	28242000000	12
2,4-D	5487130000	4996420000	4918990000	4560930000	4315910000	4855870000	9
2,4-DCAA	5590070000	4810210000	4780360000	4442800000	4211740000	4767030000	11



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: ICES02
SDG NO.: Q3399

Calibration Date(s): 10/13/2025 10/13/2025
Calibration Times: 10:53 12:29

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

LAB FILE ID:		CF 200 =	<u>PS031983.D</u>	CF 500 =	<u>PS031984.D</u>		
CF 750 =		<u>PS031985.D</u>	CF 1000 =	<u>PS031986.D</u>	CF 1500 =	<u>PS031987.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	22626700000	20334000000	20451600000	19038400000	17923600000	20074900000	9
2,4-D	2294360000	2013000000	2101790000	2016570000	1965760000	2078300000	6
2,4-DCAA	1091580000	1077760000	1141380000	1095020000	1095970000	1100340000	2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
 Data File : PS031983.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Oct 2025 10:53
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/14/2025

Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 13 12:27:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:21:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.290	7.755	1118.0E6	218.3E6	220.942	197.827
Target Compounds							
1) T	Dalapon	2.663	2.687	1625.8E6	804.4E6	200.209	202.396
2) T	3,5-DICHL...	6.455	6.709	1523.1E6	447.3E6	203.970	203.574
3) T	4-Nitroph...	7.144	7.380	202.4E6	329.4E6	159.040m	209.137m#
5) T	DICAMBA	7.466	7.941	4513.7E6	1770.2E6	204.270	197.835
6) T	MCPD	7.639	8.032	197.7E6	45936623	17.101m	18.487m
7) T	MCPA	7.789	8.279	239.4E6	61911983	16.880	16.803
8) T	DICHLORPROP	8.178	8.665	1082.8E6	423.0E6	213.333	205.515
9) T	2,4-D	8.431	9.024	1031.6E6	431.3E6	207.551m	202.905m
10) T	Pentachlo...	8.704	9.509	17155.8E6	11628.0E6	217.348	202.076
11) T	2,4,5-TP ...	9.285	9.898	6308.5E6	4299.1E6	209.220	203.387
12) T	2,4,5-T	9.592	10.335	5155.6E6	3270.5E6	196.332	187.741
13) T	2,4-DB	10.172	10.906	535.8E6	239.6E6	177.446	188.157m
14) T	DINOSEB	11.348	11.265	5142.2E6	3166.5E6	214.039	200.361
15) T	Picloram	11.208	12.409	3438.6E6	6068.8E6	154.595	181.509
16) T	DCPA	11.647	12.306	8513.5E6	7236.5E6	214.473	205.732

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 10:53
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations

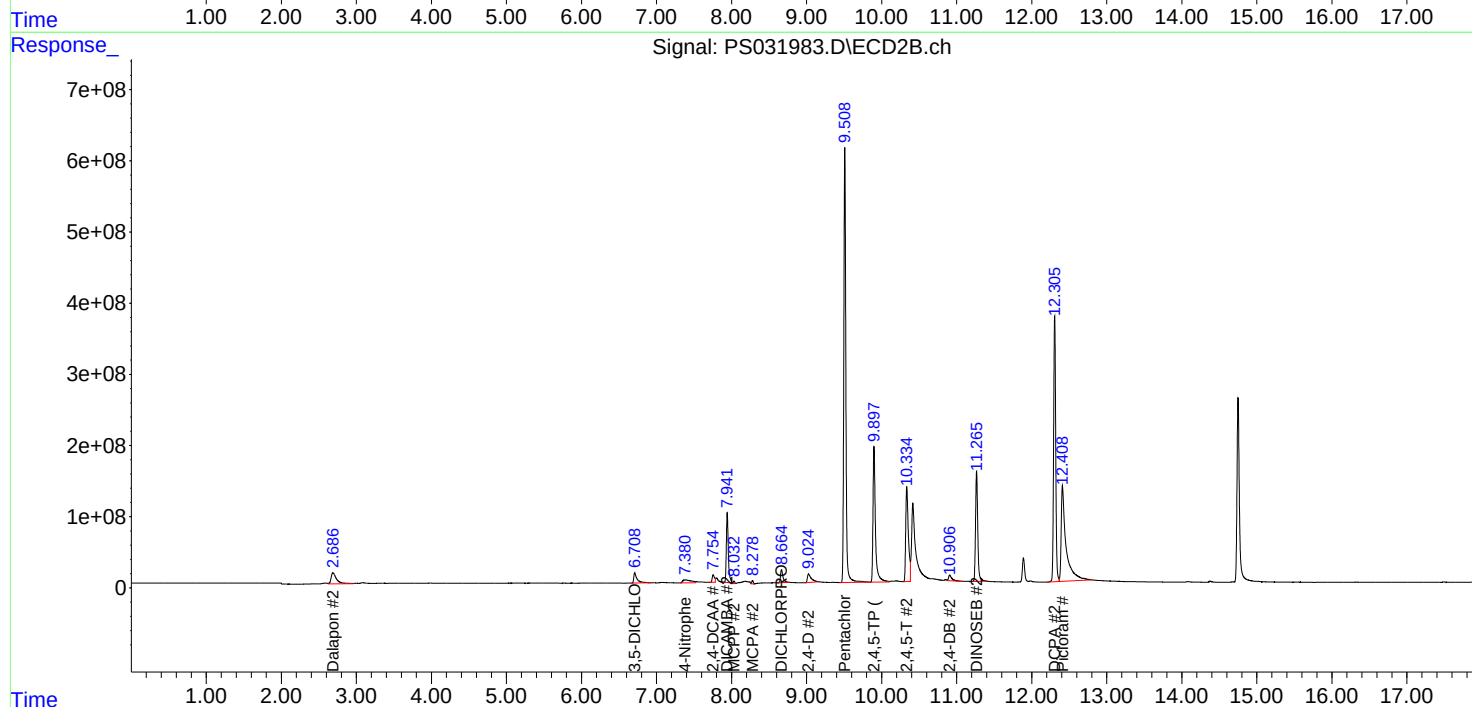
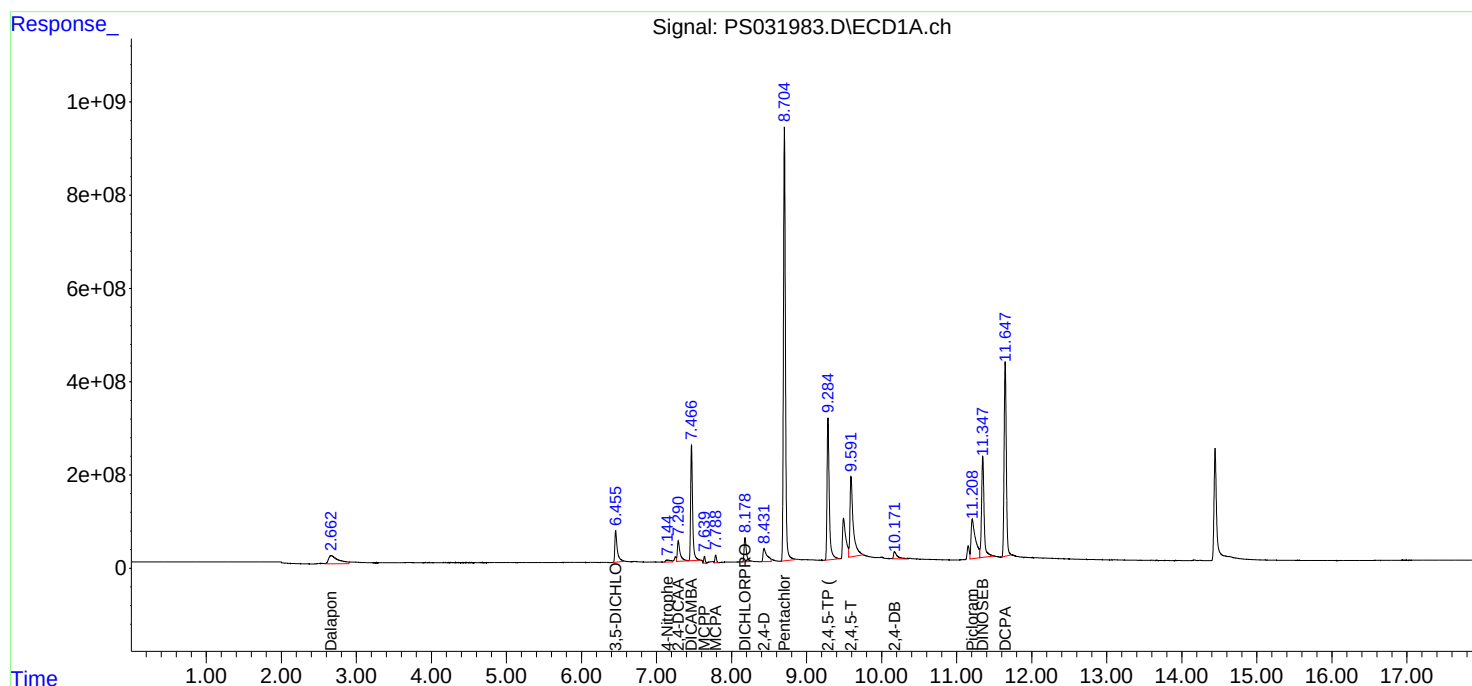
APPROVED

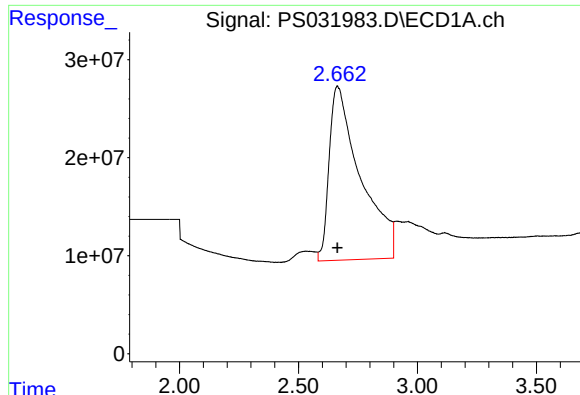
Reviewed By :Abdul Mirza 10/14/2025

Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 13 12:27:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:21:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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





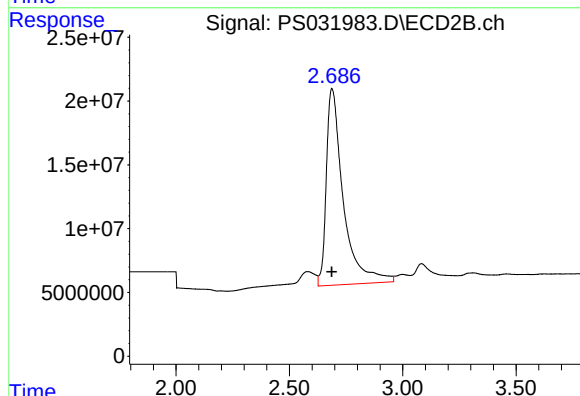
#1 Dalapon

R.T.: 2.663 min
Delta R.T.: 0.000 min
Response: 1625813238
Conc: 200.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

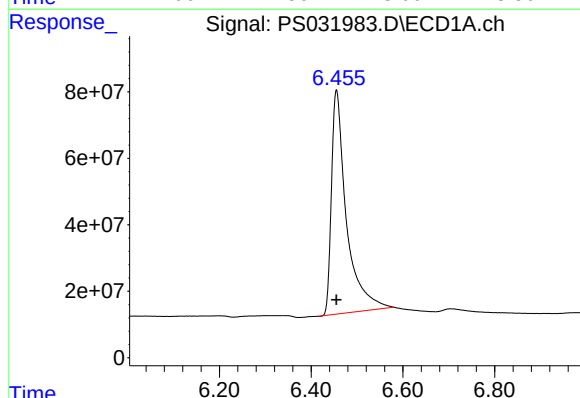
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



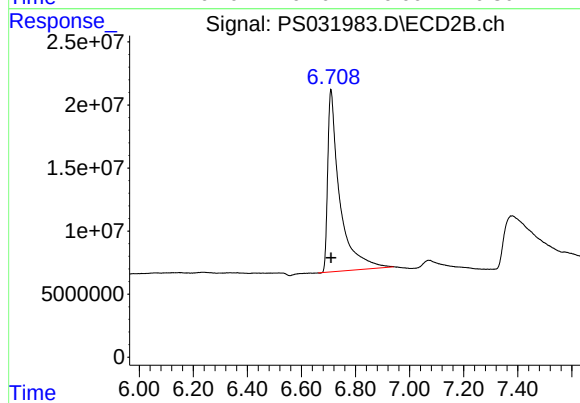
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 804406188
Conc: 202.40 ng/ml



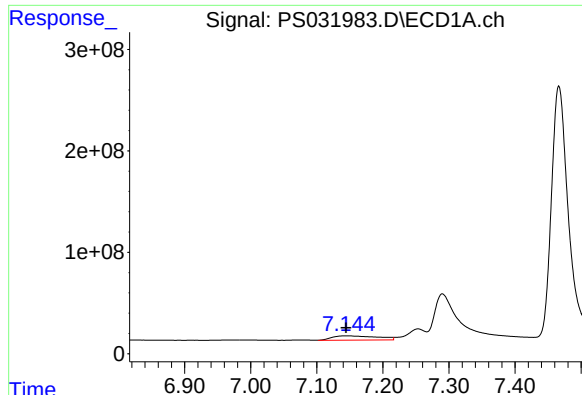
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.455 min
Delta R.T.: 0.000 min
Response: 1523069070
Conc: 203.97 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 447320704
Conc: 203.57 ng/ml



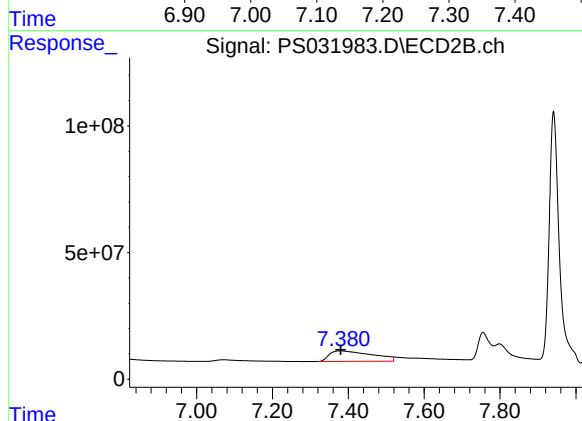
#3 4-Nitrophenol

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 202359178
Conc: 159.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

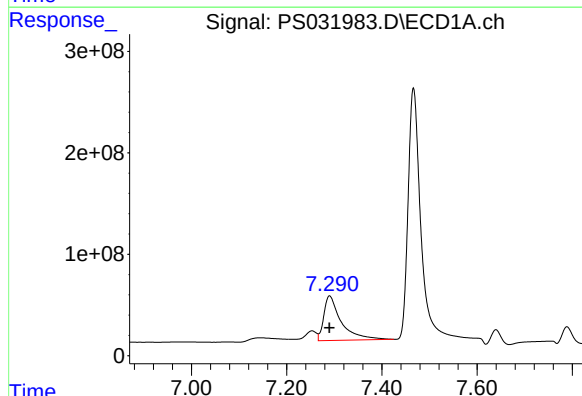
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



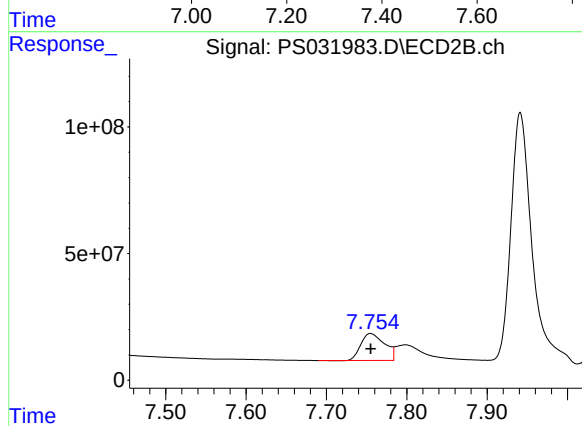
#3 4-Nitrophenol

R.T.: 7.380 min
Delta R.T.: 0.000 min
Response: 329382850
Conc: 209.14 ng/ml m



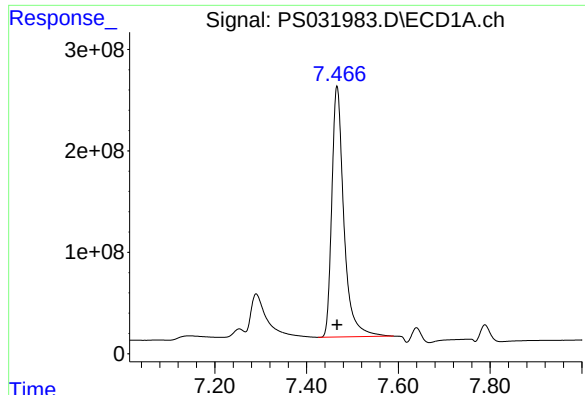
#4 2,4-DCAA

R.T.: 7.290 min
Delta R.T.: 0.000 min
Response: 1118013076
Conc: 220.94 ng/ml



#4 2,4-DCAA

R.T.: 7.755 min
Delta R.T.: 0.000 min
Response: 218316271
Conc: 197.83 ng/ml



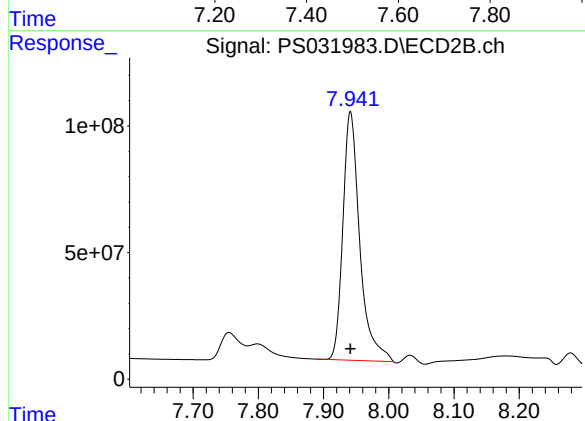
#5 DICAMBA

R.T.: 7.466 min
Delta R.T.: 0.000 min
Response: 4513677170
Conc: 204.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

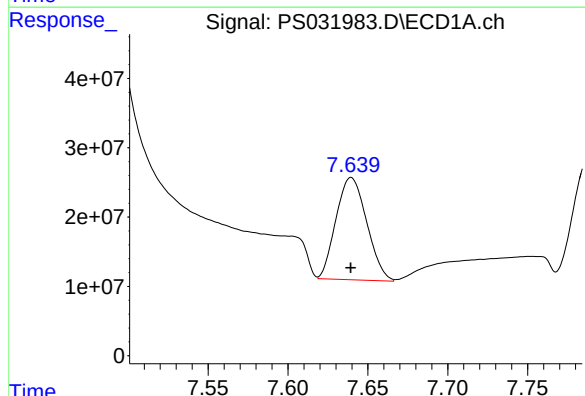
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



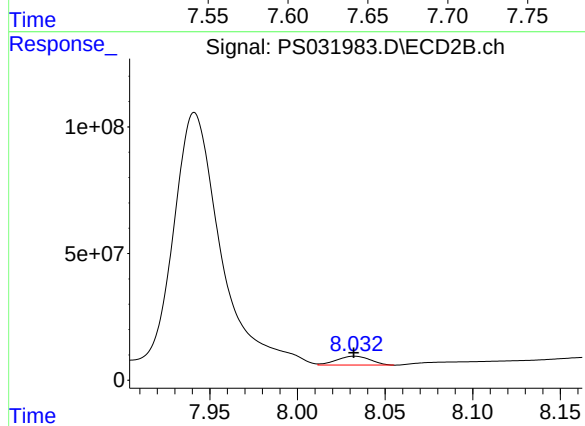
#5 DICAMBA

R.T.: 7.941 min
Delta R.T.: 0.000 min
Response: 1770223526
Conc: 197.84 ng/ml



#6 MCPP

R.T.: 7.639 min
Delta R.T.: 0.000 min
Response: 197705489
Conc: 17.10 ug/ml m

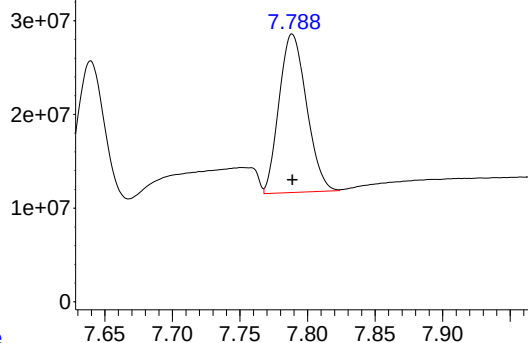


#6 MCPP

R.T.: 8.032 min
Delta R.T.: 0.000 min
Response: 45936623
Conc: 18.49 ug/ml m

Response_ Signal: PS031983.D\ECD1A.ch

#7 MCPA



R.T.: 7.789 min
Delta R.T.: 0.000 min
Response: 239353895
Conc: 16.88 ug/ml

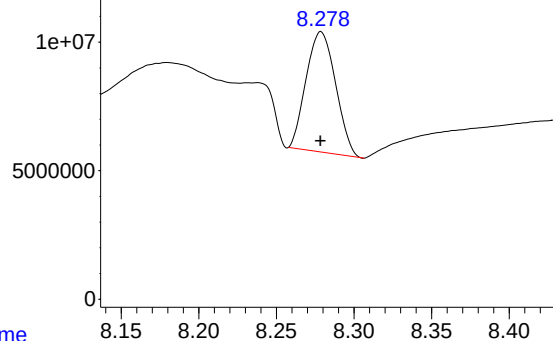
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025

Time Response_ Signal: PS031983.D\ECD2B.ch

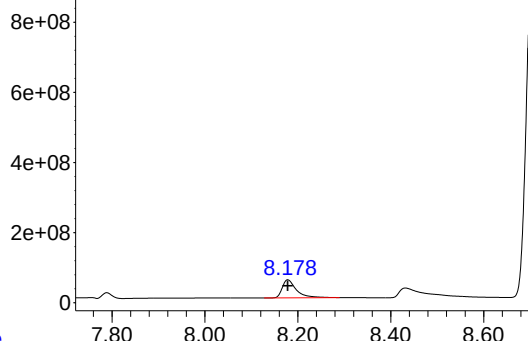
#7 MCPA



R.T.: 8.279 min
Delta R.T.: 0.000 min
Response: 61911983
Conc: 16.80 ug/ml

Time Response_ Signal: PS031983.D\ECD1A.ch

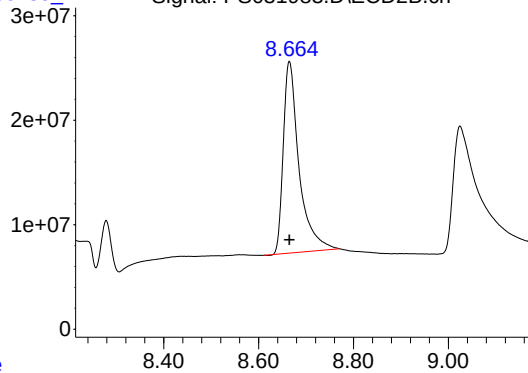
#8 DICHLORPROP



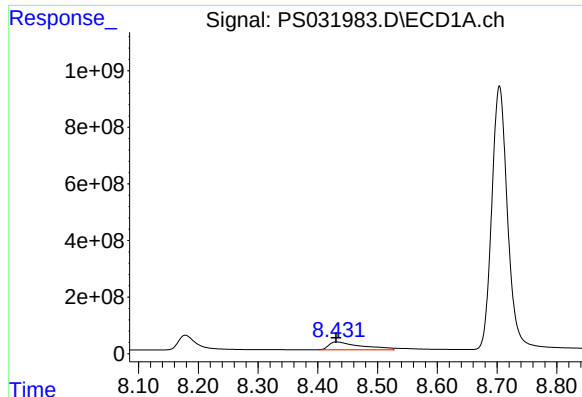
R.T.: 8.178 min
Delta R.T.: 0.000 min
Response: 1082753912
Conc: 213.33 ng/ml

Time Response_ Signal: PS031983.D\ECD2B.ch

#8 DICHLORPROP



R.T.: 8.665 min
Delta R.T.: 0.000 min
Response: 422955297
Conc: 205.51 ng/ml



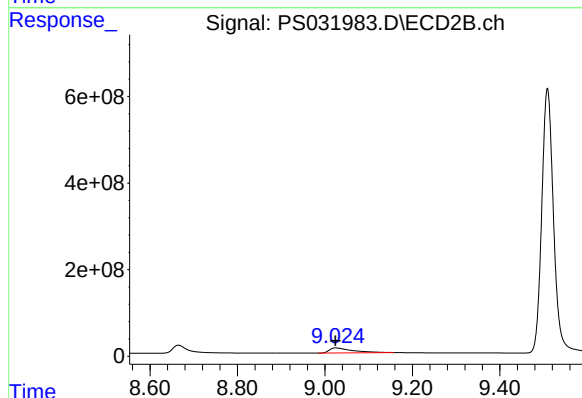
#9 2,4-D

R.T.: 8.431 min
Delta R.T.: 0.000 min
Response: 1031581102
Conc: 207.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

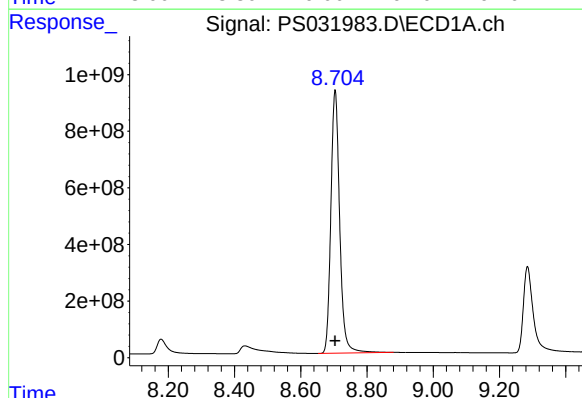
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



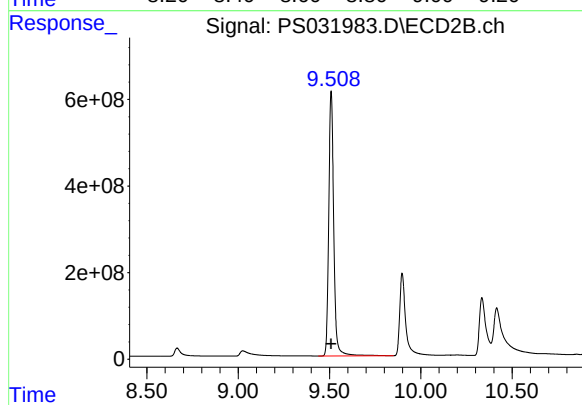
#9 2,4-D

R.T.: 9.024 min
Delta R.T.: 0.000 min
Response: 431340106
Conc: 202.90 ng/ml m



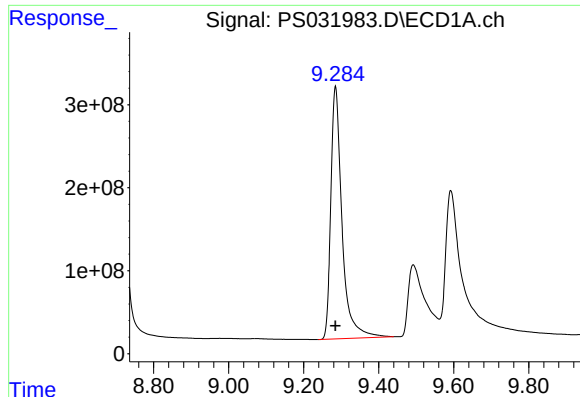
#10 Pentachlorophenol

R.T.: 8.704 min
Delta R.T.: 0.000 min
Response: 17155841690
Conc: 217.35 ng/ml



#10 Pentachlorophenol

R.T.: 9.509 min
Delta R.T.: 0.000 min
Response: 11627954079
Conc: 202.08 ng/ml



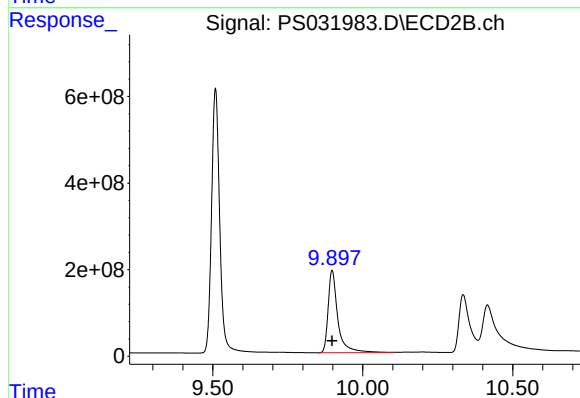
#11 2,4,5-TP (SILVEX)

R.T.: 9.285 min
Delta R.T.: 0.000 min
Response: 6308511439
Conc: 209.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

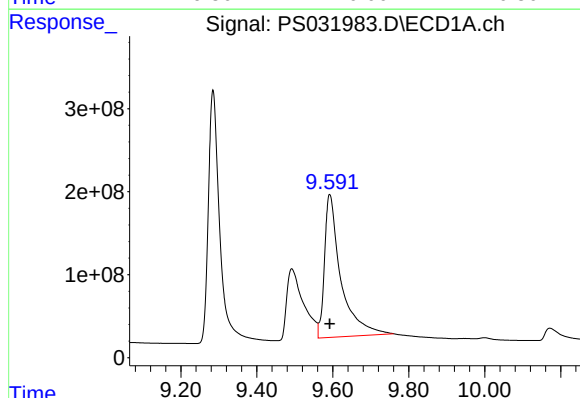
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



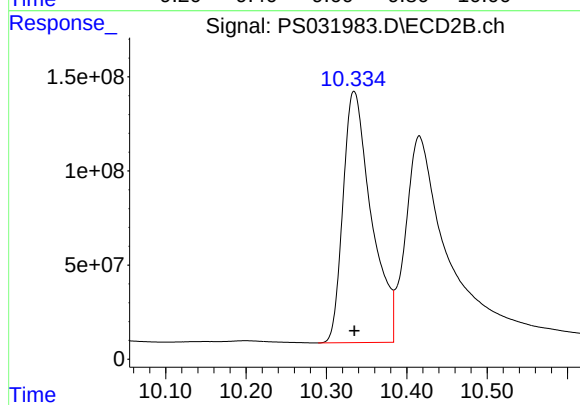
#11 2,4,5-TP (SILVEX)

R.T.: 9.898 min
Delta R.T.: 0.000 min
Response: 4299076320
Conc: 203.39 ng/ml



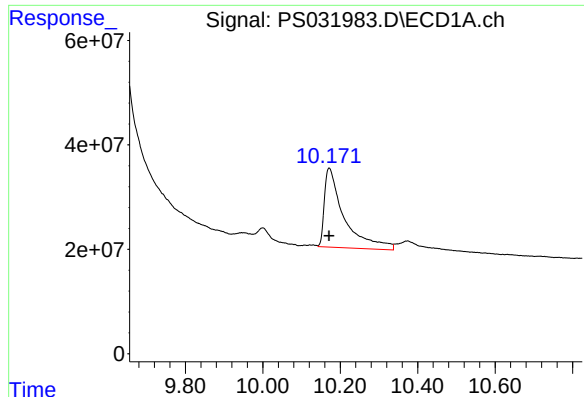
#12 2,4,5-T

R.T.: 9.592 min
Delta R.T.: 0.000 min
Response: 5155564297
Conc: 196.33 ng/ml



#12 2,4,5-T

R.T.: 10.335 min
Delta R.T.: 0.000 min
Response: 3270467792
Conc: 187.74 ng/ml



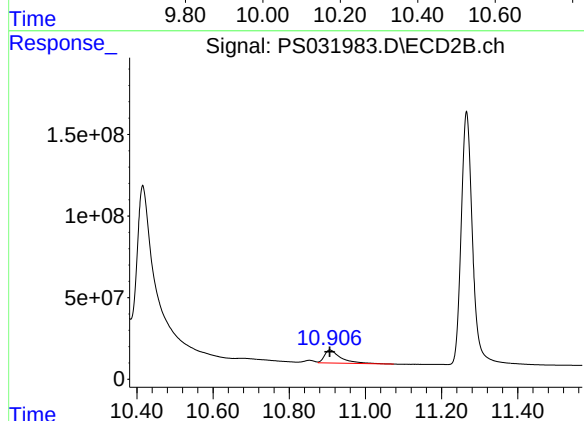
#13 2,4-DB

R.T.: 10.172 min
Delta R.T.: 0.000 min
Response: 535791056
Conc: 177.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

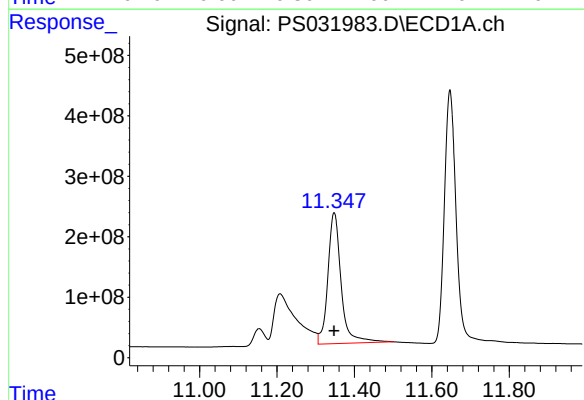
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



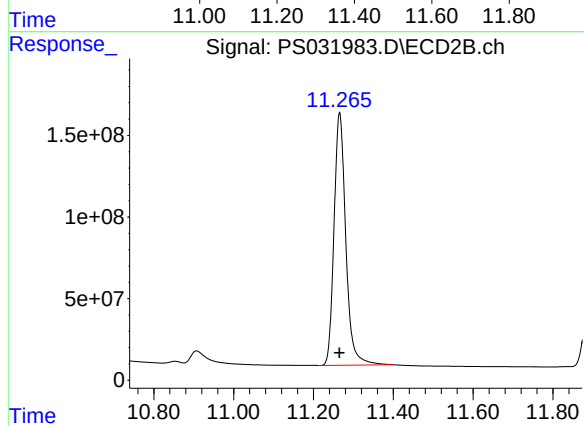
#13 2,4-DB

R.T.: 10.906 min
Delta R.T.: 0.000 min
Response: 239591466
Conc: 188.16 ng/ml m



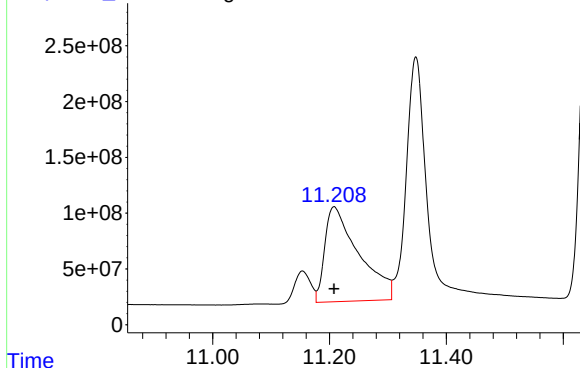
#14 DINOSEB

R.T.: 11.348 min
Delta R.T.: 0.000 min
Response: 5142231934
Conc: 214.04 ng/ml



#14 DINOSEB

R.T.: 11.265 min
Delta R.T.: 0.000 min
Response: 3166508362
Conc: 200.36 ng/ml

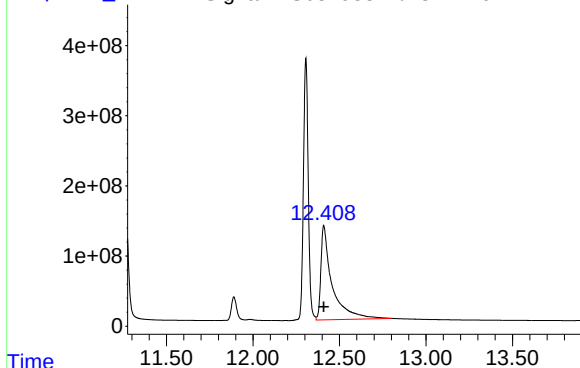


R.T.: 11.208 min
Delta R.T.: 0.000 min
Response: 3438645222
Conc: 154.59 ng/ml

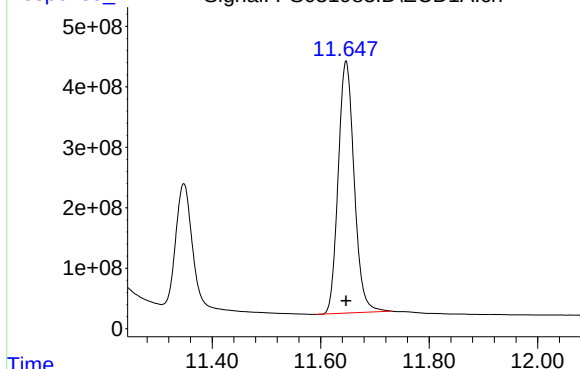
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations
APPROVED

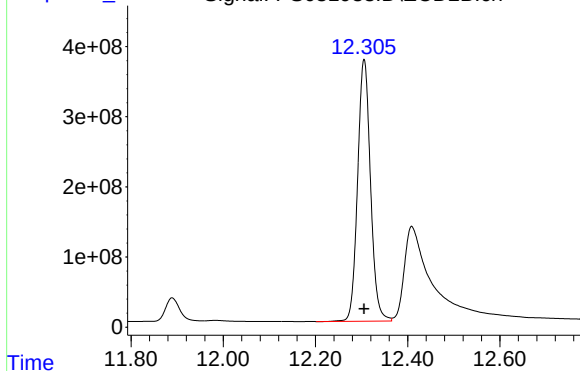
Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



R.T.: 12.409 min
Delta R.T.: 0.000 min
Response: 6068754994
Conc: 181.51 ng/ml



R.T.: 11.647 min
Delta R.T.: 0.000 min
Response: 8513461811
Conc: 214.47 ng/ml



R.T.: 12.306 min
Delta R.T.: 0.000 min
Response: 7236486559
Conc: 205.73 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 11:17
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 13 12:24:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:21:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.284	7.747	2405.1E6	538.9E6	501.556	485.665
Target Compounds							
1) T	Dalapon	2.663	2.687	3570.0E6	1705.2E6	462.773	454.500
2) T	3,5-DICHL...	6.451	6.700	3320.7E6	973.2E6	467.276	464.855
3) T	4-Nitroph...	7.110	7.317	571.4E6	487.8E6	425.603	386.172
5) T	DICAMBA	7.465	7.940	9926.7E6	4034.6E6	469.558	463.011
6) T	MCPD	7.641	8.035	541.3E6	109.6E6	44.207	44.083
7) T	MCPA	7.790	8.282	656.1E6	170.6E6	44.226	44.328
8) T	DICHLORPROP	8.174	8.661	2242.3E6	919.8E6	473.711	468.772
9) T	2,4-D	8.417	9.008	2348.3E6	946.1E6	473.670	459.859
10) T	Pentachlo...	8.703	9.508	37146.9E6	26360.2E6	507.112	473.138
11) T	2,4,5-TP ...	9.282	9.894	13687.9E6	9658.6E6	478.138	473.630
12) T	2,4,5-T	9.582	10.325	12156.8E6	8155.4E6	470.794	465.394
13) T	2,4-DB	10.158	10.894	1430.3E6	569.3E6	458.559	441.449
14) T	DINOSEB	11.347	11.265	10675.2E6	7150.8E6	477.403	467.850
15) T	Picloram	11.187	12.391	10629.5E6	15813.9E6	437.153	462.638
16) T	DCPA	11.646	12.305	18191.4E6	16336.2E6	486.769	481.660

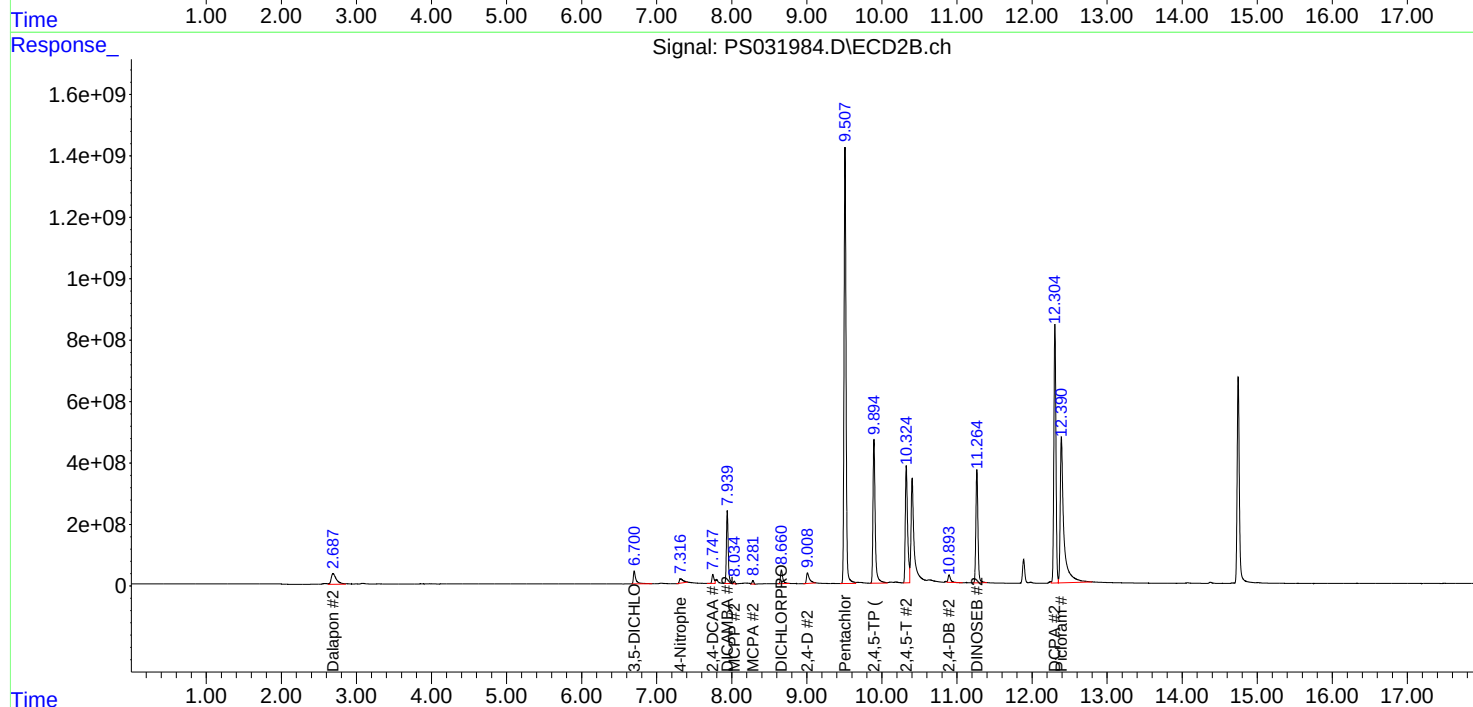
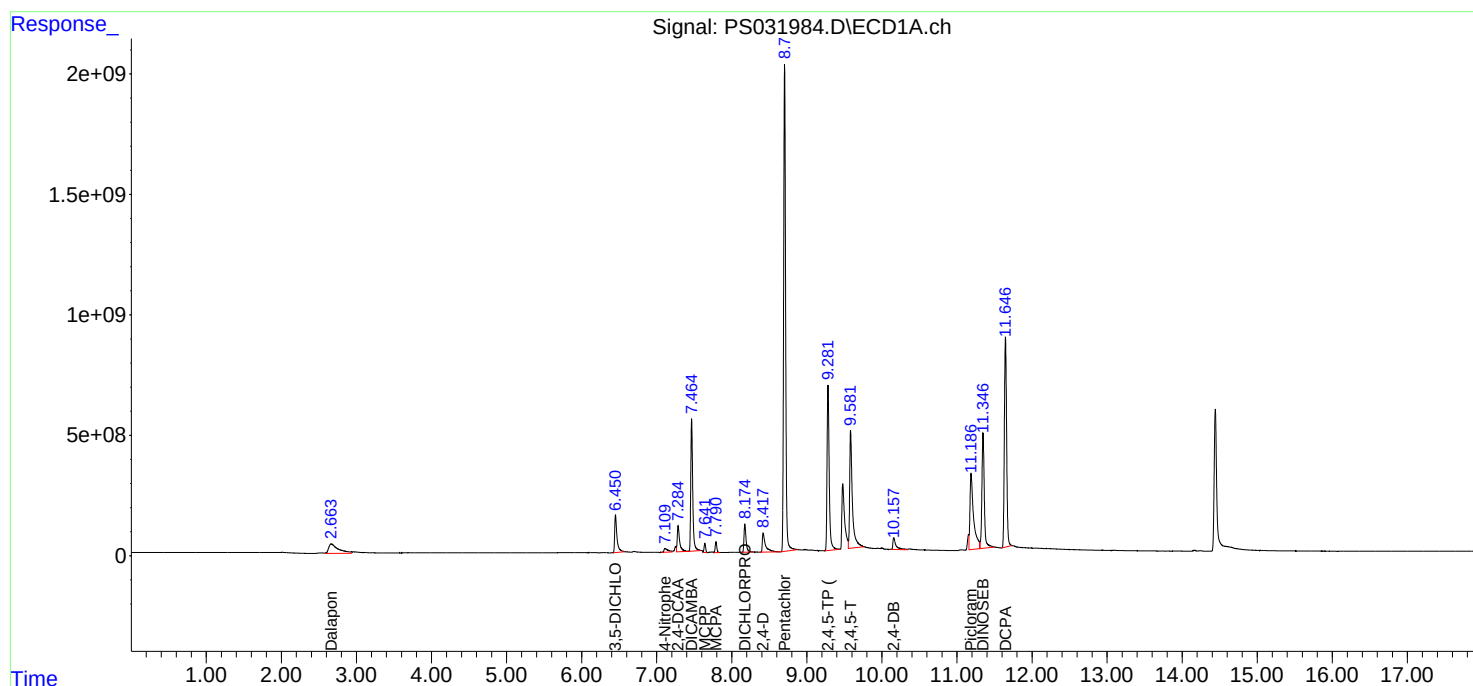
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

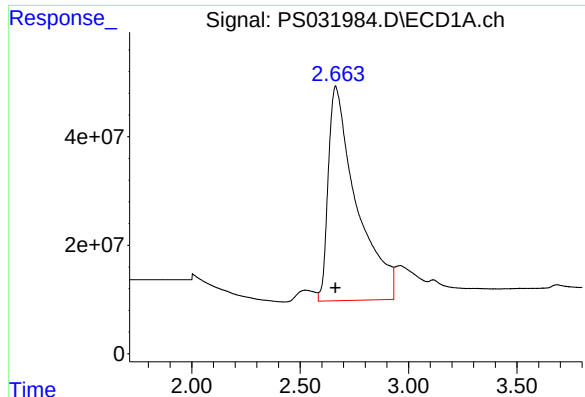
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 11:17
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 13 12:24:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:21:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

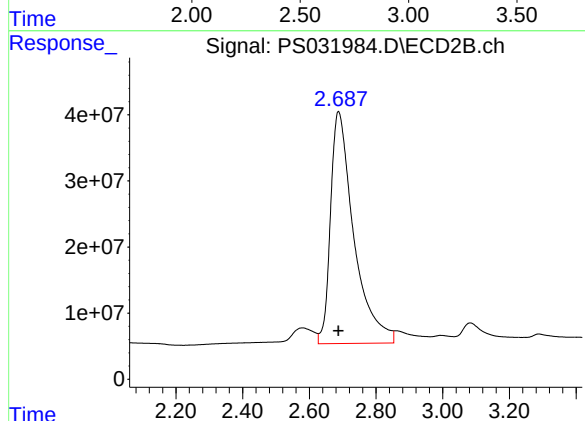




#1 Dalapon

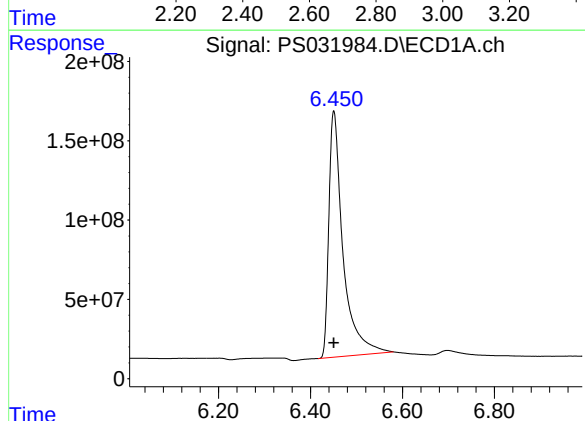
R.T.: 2.663 min
Delta R.T.: 0.000 min
Response: 3569988698
Conc: 462.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



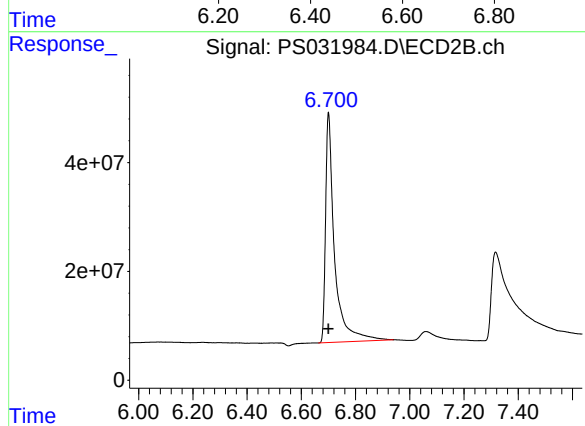
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 1705154462
Conc: 454.50 ng/ml



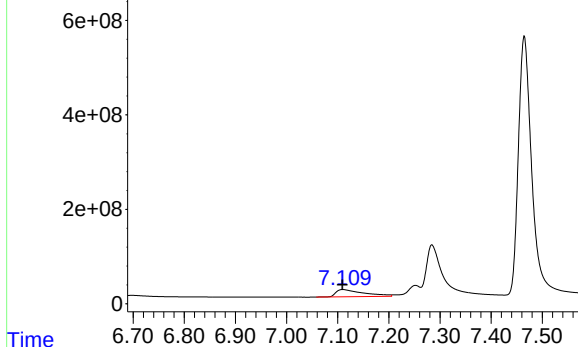
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.451 min
Delta R.T.: 0.000 min
Response: 3320667230
Conc: 467.28 ng/ml



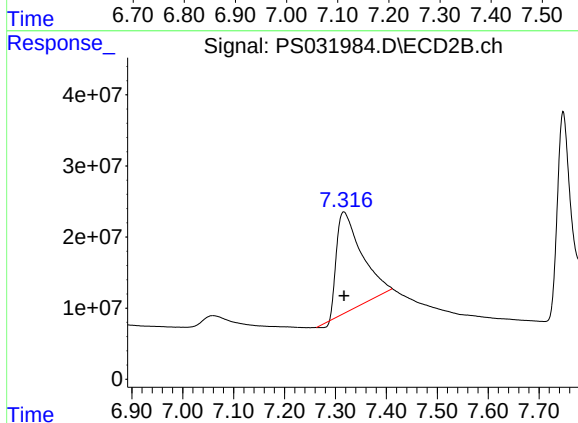
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 973186580
Conc: 464.86 ng/ml



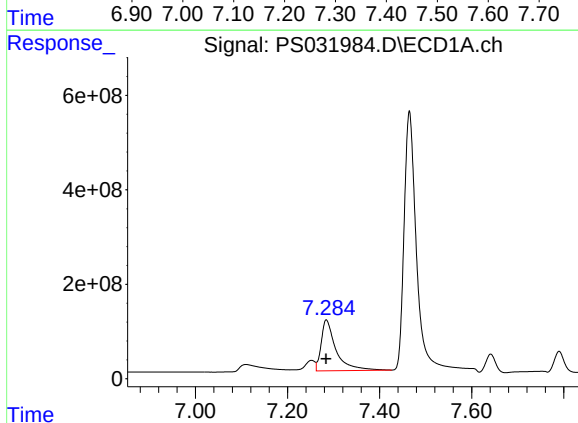
R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 571438871
Conc: 425.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



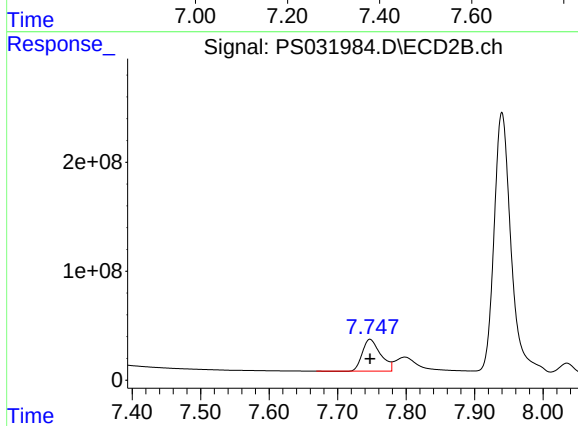
#3 4-Nitrophenol

R.T.: 7.317 min
Delta R.T.: 0.000 min
Response: 487839193
Conc: 386.17 ng/ml



#4 2,4-DCAA

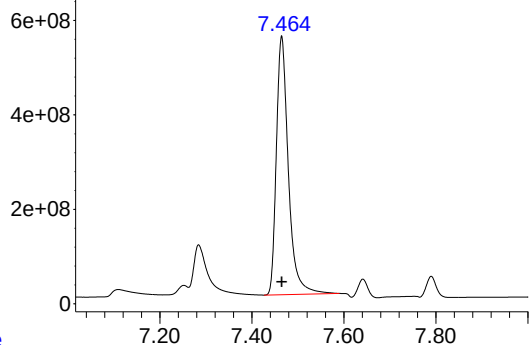
R.T.: 7.284 min
Delta R.T.: 0.000 min
Response: 2405104477
Conc: 501.56 ng/ml



#4 2,4-DCAA

R.T.: 7.747 min
Delta R.T.: 0.000 min
Response: 538877952
Conc: 485.67 ng/ml

Response_ Signal: PS031984.D\ECD1A.ch

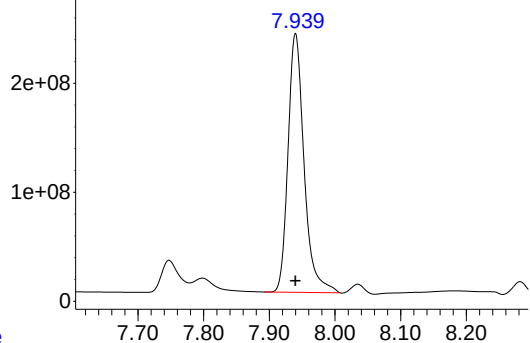


#5 DICAMBA

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 9926651481
Conc: 469.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

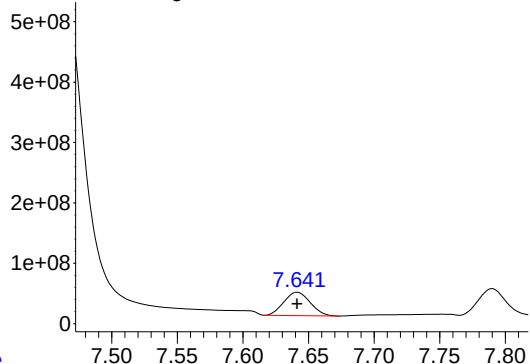
Time Response_ Signal: PS031984.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: 0.000 min
Response: 4034633506
Conc: 463.01 ng/ml

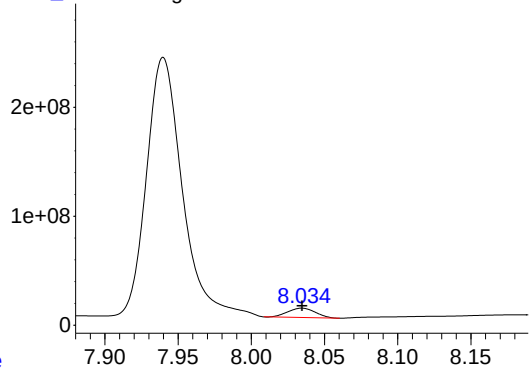
Time Response_ Signal: PS031984.D\ECD1A.ch



#6 MCP

R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 541315624
Conc: 44.21 ug/ml

Time Response_ Signal: PS031984.D\ECD2B.ch



#6 MCP

R.T.: 8.035 min
Delta R.T.: 0.000 min
Response: 109561568
Conc: 44.08 ug/ml

Response_ Signal: PS031984.D\ECD1A.ch

#7 MCPA

R.T.: 7.790 min
Delta R.T.: 0.000 min
Response: 656103369
Conc: 44.23 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Time

Response_ Signal: PS031984.D\ECD2B.ch

#7 MCPA

R.T.: 8.282 min
Delta R.T.: 0.000 min
Response: 170631593
Conc: 44.33 ug/ml

Time

Response_ Signal: PS031984.D\ECD1A.ch

#8 DICHLORPROP

R.T.: 8.174 min
Delta R.T.: 0.000 min
Response: 2242288004
Conc: 473.71 ng/ml

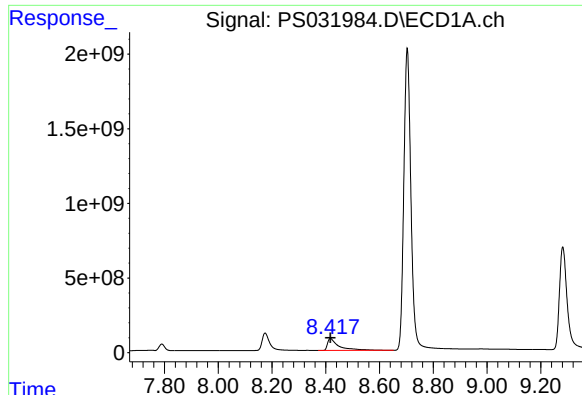
Time

Response_ Signal: PS031984.D\ECD2B.ch

#8 DICHLORPROP

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 919807161
Conc: 468.77 ng/ml

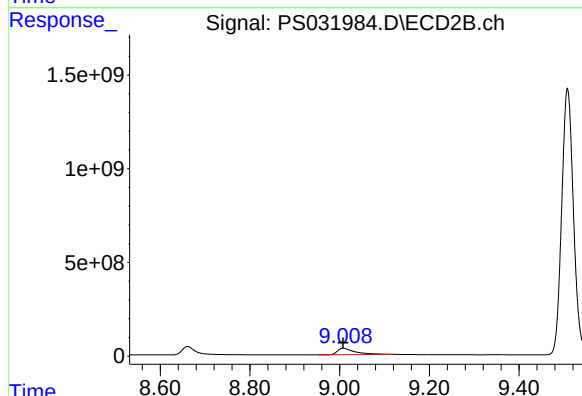
Time



#9 2,4-D

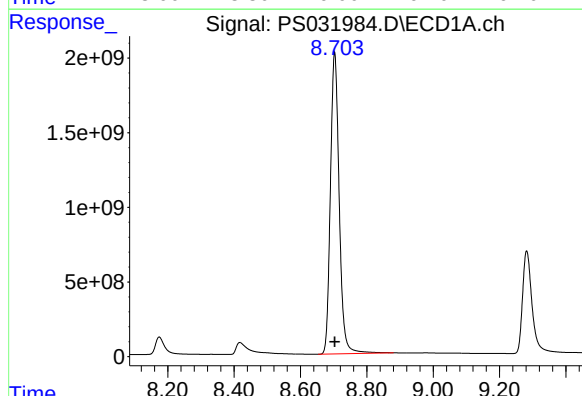
R.T.: 8.417 min
Delta R.T.: 0.000 min
Response: 2348316118
Conc: 473.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



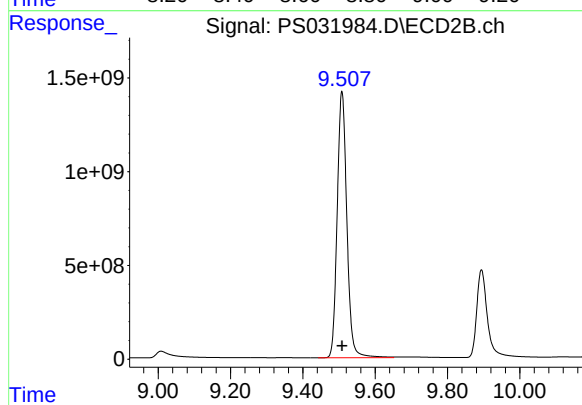
#9 2,4-D

R.T.: 9.008 min
Delta R.T.: 0.000 min
Response: 946111014
Conc: 459.86 ng/ml



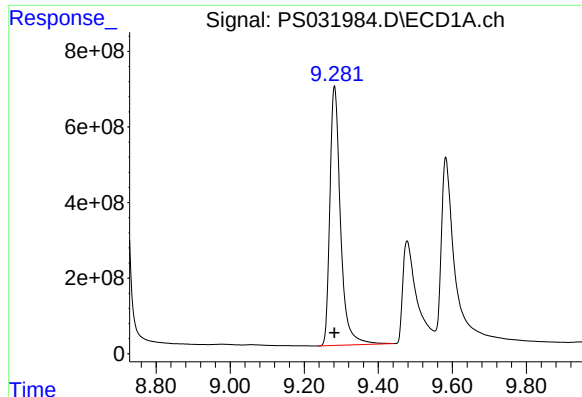
#10 Pentachlorophenol

R.T.: 8.703 min
Delta R.T.: 0.000 min
Response: 37146948447
Conc: 507.11 ng/ml



#10 Pentachlorophenol

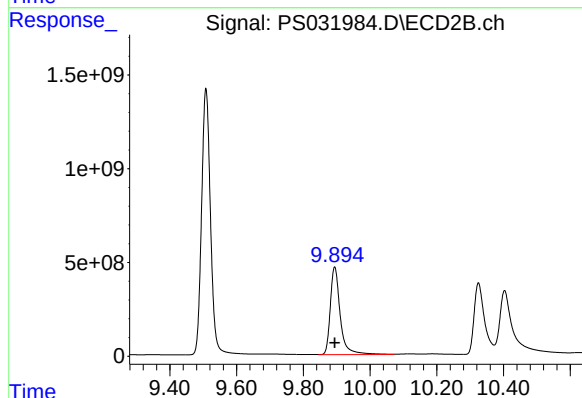
R.T.: 9.508 min
Delta R.T.: 0.000 min
Response: 26360216719
Conc: 473.14 ng/ml



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

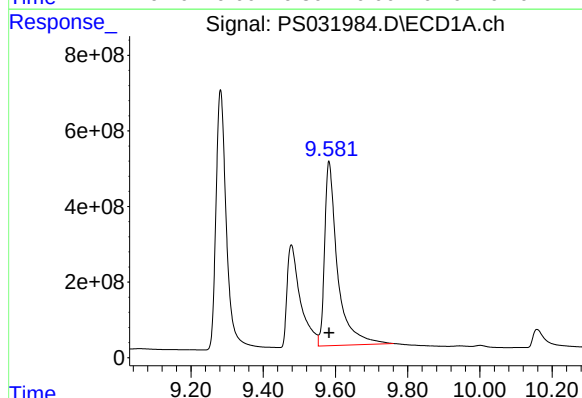
R.T.: 9.282 min
Delta R.T.: 0.000 min
Response: 13687858968
Conc: 478.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



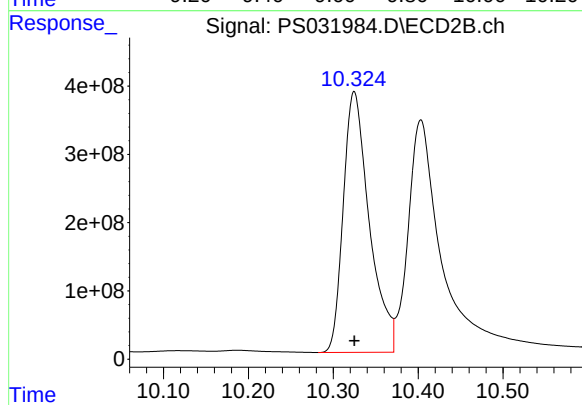
#11 2,4,5-TP (SILVEX)

R.T.: 9.894 min
Delta R.T.: 0.000 min
Response: 9658632134
Conc: 473.63 ng/ml



#12 2,4,5-T

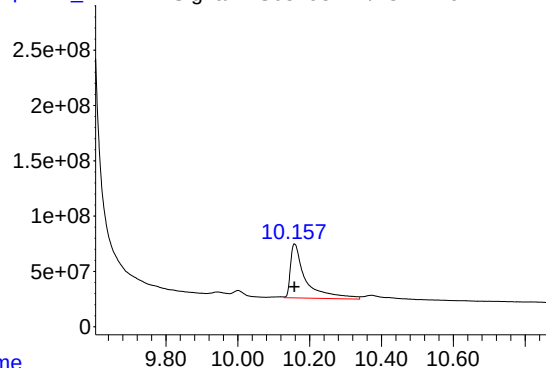
R.T.: 9.582 min
Delta R.T.: 0.000 min
Response: 12156758159
Conc: 470.79 ng/ml



#12 2,4,5-T

R.T.: 10.325 min
Delta R.T.: 0.000 min
Response: 8155434991
Conc: 465.39 ng/ml

Response_ Signal: PS031984.D\ECD1A.ch

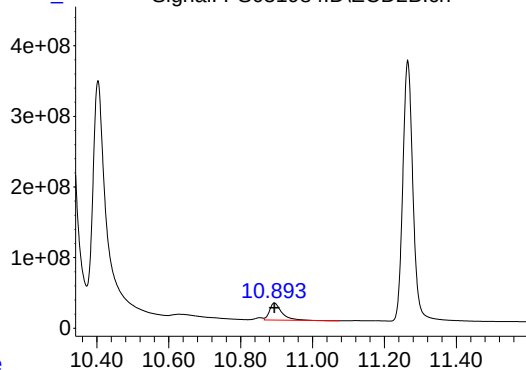


#13 2,4-DB

R.T.: 10.158 min
Delta R.T.: 0.000 min
Response: 1430340864
Conc: 458.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

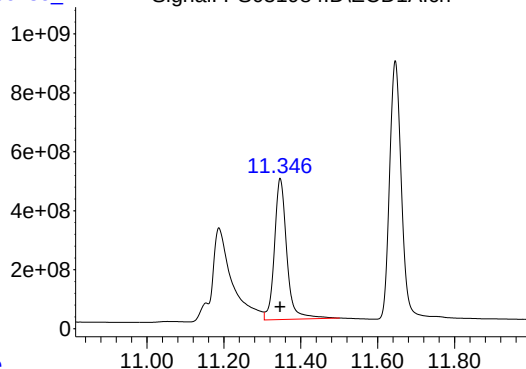
Time Response_ Signal: PS031984.D\ECD2B.ch



#13 2,4-DB

R.T.: 10.894 min
Delta R.T.: 0.000 min
Response: 569322458
Conc: 441.45 ng/ml

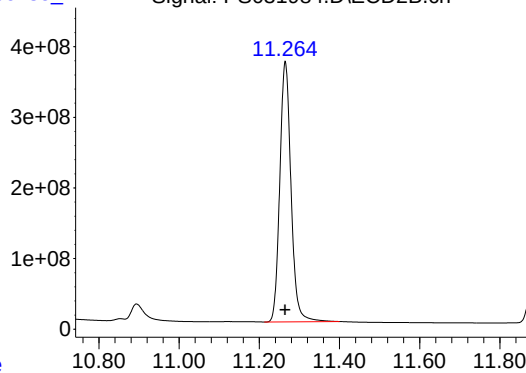
Time Response_ Signal: PS031984.D\ECD1A.ch



#14 DINOSEB

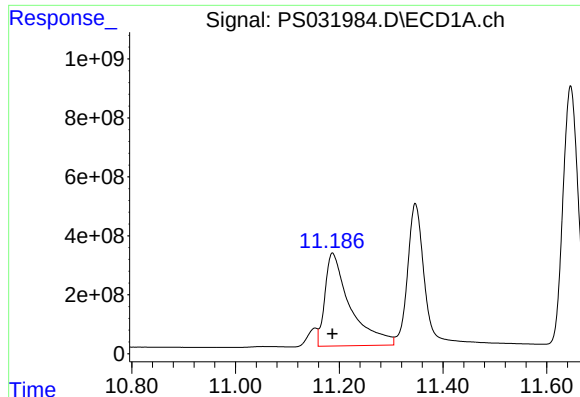
R.T.: 11.347 min
Delta R.T.: 0.000 min
Response: 10675224434
Conc: 477.40 ng/ml

Time Response_ Signal: PS031984.D\ECD2B.ch



#14 DINOSEB

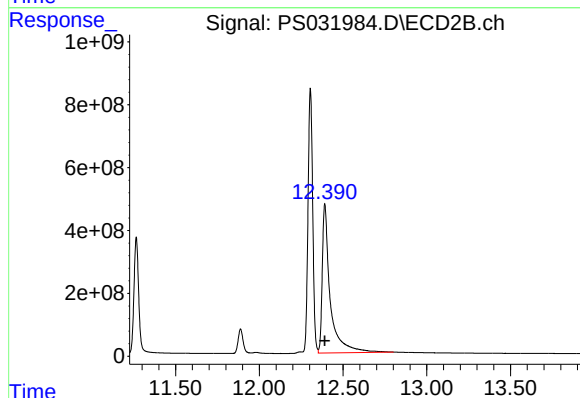
R.T.: 11.265 min
Delta R.T.: 0.000 min
Response: 7150834291
Conc: 467.85 ng/ml



#15 Picloram

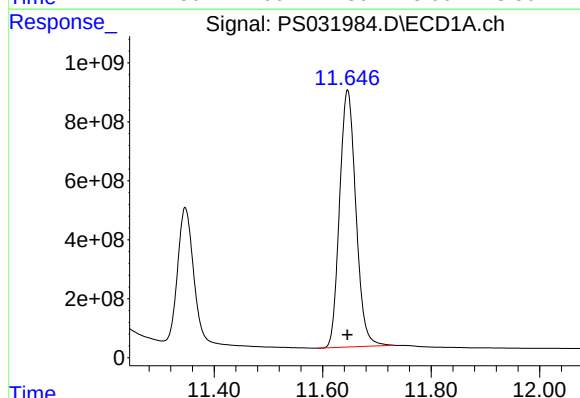
R.T.: 11.187 min
Delta R.T.: 0.000 min
Response: 10629537814
Conc: 437.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



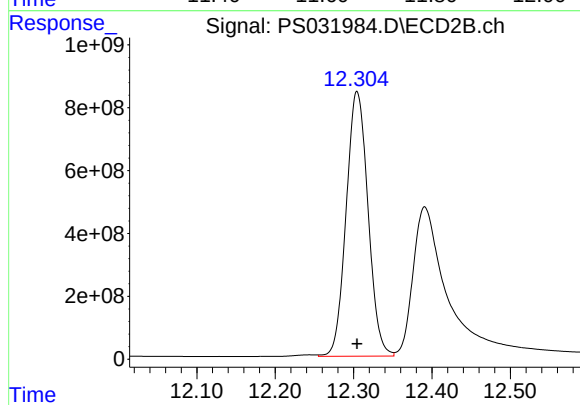
#15 Picloram

R.T.: 12.391 min
Delta R.T.: 0.000 min
Response: 15813880372
Conc: 462.64 ng/ml



#16 DCPA

R.T.: 11.646 min
Delta R.T.: 0.000 min
Response: 18191369231
Conc: 486.77 ng/ml



#16 DCPA

R.T.: 12.305 min
Delta R.T.: 0.000 min
Response: 16336177743
Conc: 481.66 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 11:41
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 13 12:22:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:21:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.282	7.744	3585.3E6	856.0E6	750.000	750.000
Target Compounds						
1) T Dalapon	2.664	2.688	5175.1E6	2563.4E6	682.500	682.500
2) T 3,5-DICHL...	6.450	6.697	4932.5E6	1460.7E6	697.500	697.500
3) T 4-Nitroph...	7.100	7.300	975.6E6	992.6E6	682.500	682.500
5) T DICAMBA	7.464	7.938	14918.0E6	6234.6E6	705.000	705.000
6) T MCPP	7.643	8.036	914.6E6	186.1E6	70.500	70.500
7) T MCPA	7.792	8.284	1085.3E6	281.0E6	69.750	69.750
8) T DICHLORPROP	8.173	8.658	3310.7E6	1386.9E6	705.000	705.000
9) T 2,4-D	8.412	9.002	3467.9E6	1481.8E6	705.000	705.000
10) T Pentachlo...	8.709	9.507	48663.6E6	39851.6E6	712.500	712.500
11) T 2,4,5-TP ...	9.280	9.892	20262.3E6	14571.8E6	712.500	712.500
12) T 2,4,5-T	9.578	10.321	18560.9E6	12738.2E6	712.500	712.500
13) T 2,4-DB	10.154	10.889	2299.4E6	983.8E6	712.500	712.500
14) T DINOSEB	11.345	11.263	15516.2E6	10824.8E6	705.000	705.000
15) T Picloram	11.178	12.384	18705.1E6	24988.5E6	712.500	712.500
16) T DCPA	11.645	12.304	26528.1E6	24335.4E6	720.000	720.000

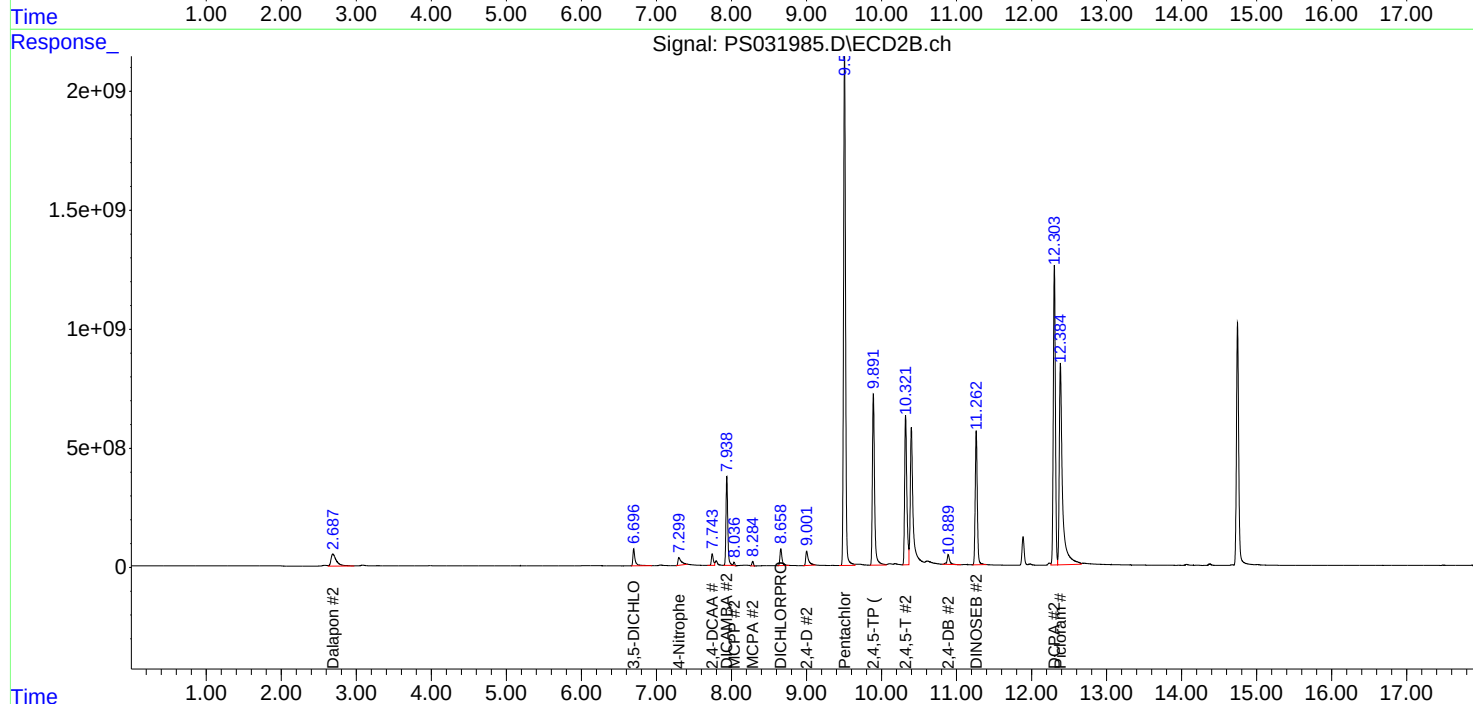
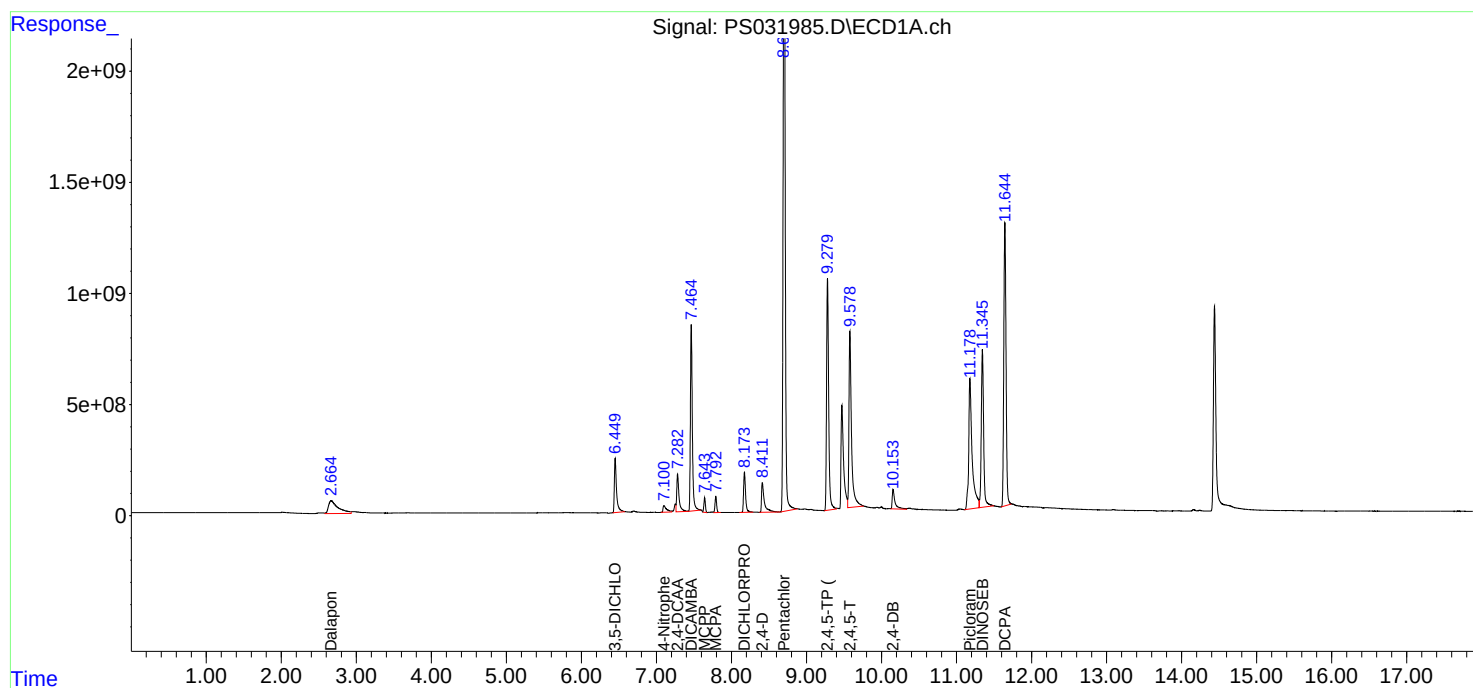
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

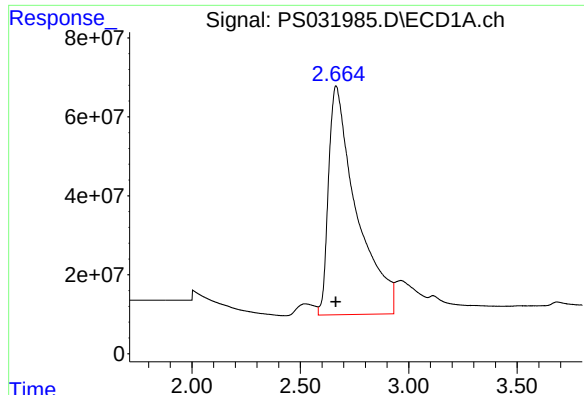
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 11:41
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 13 12:22:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:21:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

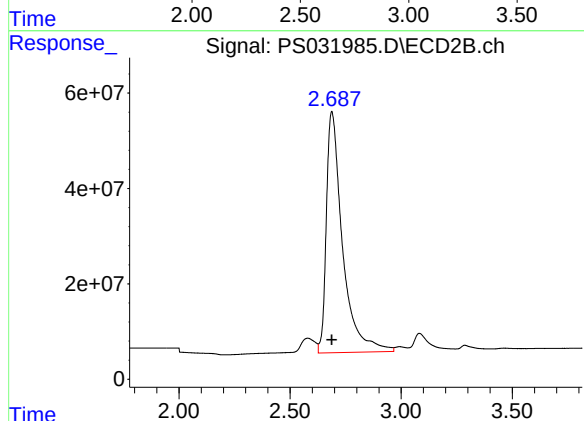




#1 Dalapon

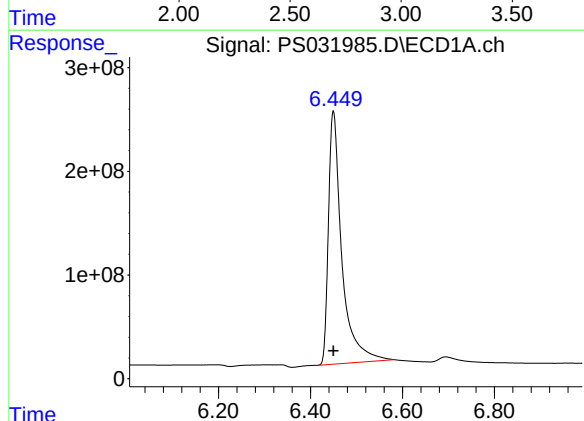
R.T.: 2.664 min
Delta R.T.: 0.000 min
Response: 5175100296
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



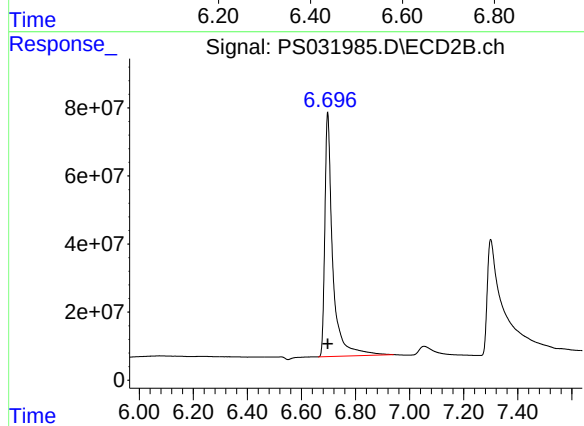
#1 Dalapon

R.T.: 2.688 min
Delta R.T.: 0.000 min
Response: 2563355582
Conc: 682.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

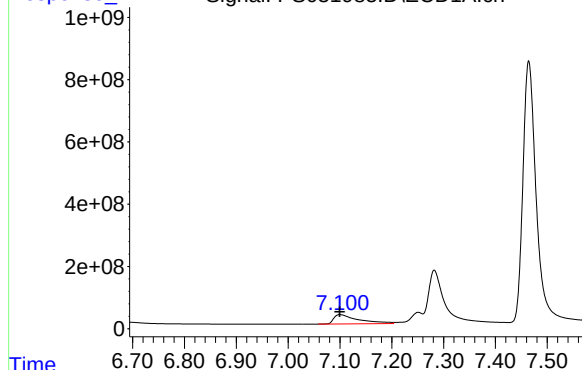
R.T.: 6.450 min
Delta R.T.: 0.000 min
Response: 4932481509
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.697 min
Delta R.T.: 0.000 min
Response: 1460688413
Conc: 697.50 ng/ml

Response_ Signal: PS031985.D\ECD1A.ch

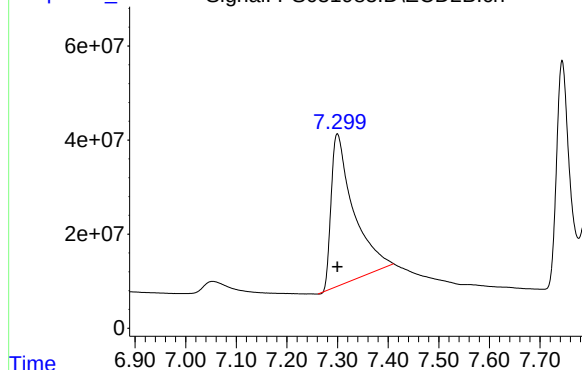


#3 4-Nitrophenol

R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 975570647
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

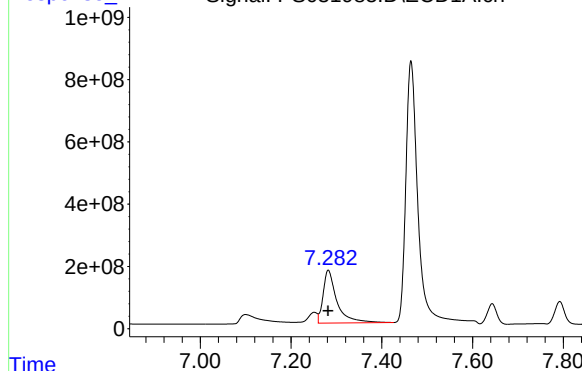
Response_ Signal: PS031985.D\ECD2B.ch



#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 992602140
Conc: 682.50 ng/ml

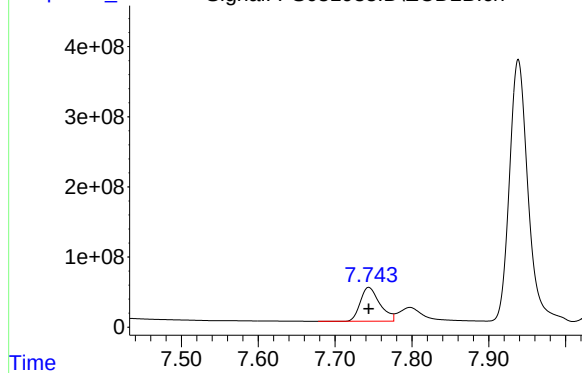
Response_ Signal: PS031985.D\ECD1A.ch



#4 2,4-DCAA

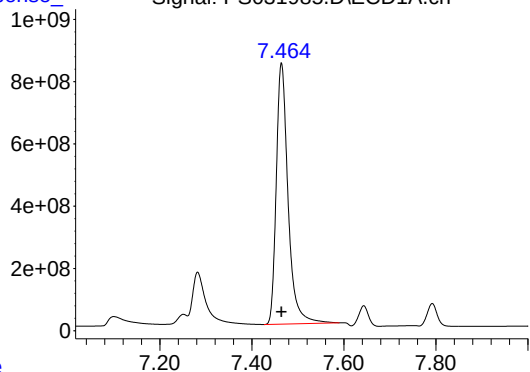
R.T.: 7.282 min
Delta R.T.: 0.000 min
Response: 3585269690
Conc: 750.00 ng/ml

Response_ Signal: PS031985.D\ECD2B.ch



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: 0.000 min
Response: 856033349
Conc: 750.00 ng/ml



R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 14918023541
Conc: 705.00 ng/ml

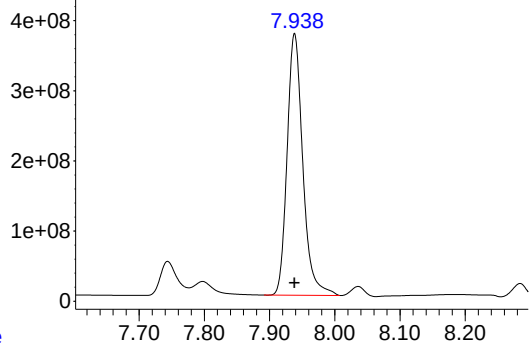
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Time

Response_

Signal: PS031985.D\ECD2B.ch

#5 DICAMBA



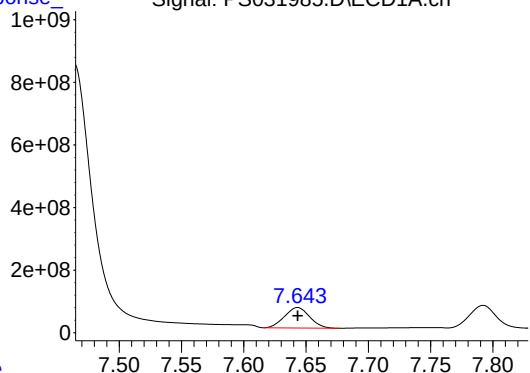
R.T.: 7.938 min
Delta R.T.: 0.000 min
Response: 6234644495
Conc: 705.00 ng/ml

Time

Response_

Signal: PS031985.D\ECD1A.ch

#6 MCP



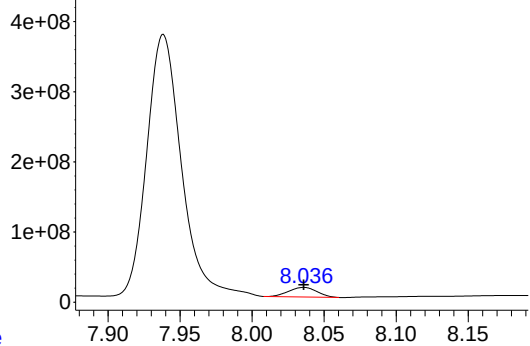
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 914588359
Conc: 70.50 ug/ml

Time

Response_

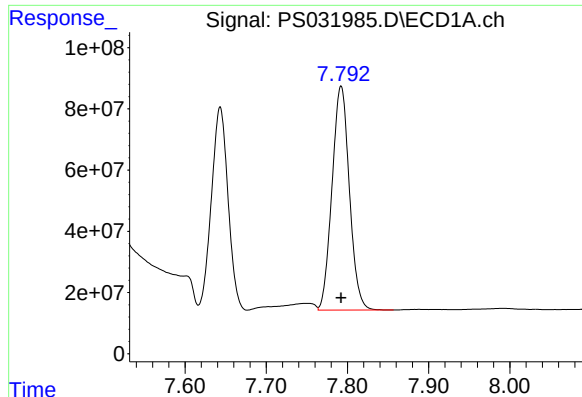
Signal: PS031985.D\ECD2B.ch

#6 MCP



R.T.: 8.036 min
Delta R.T.: 0.000 min
Response: 186089453
Conc: 70.50 ug/ml

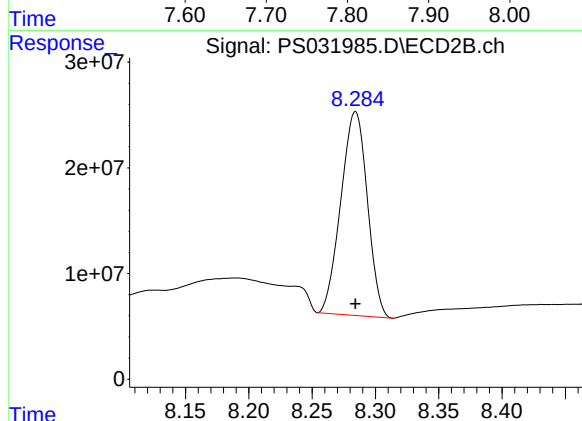
Time



#7 MCPA

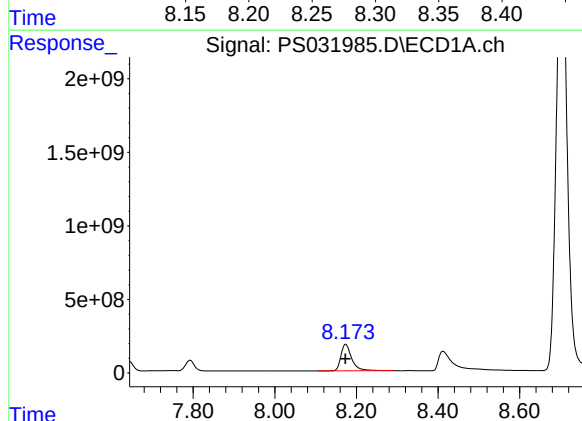
R.T.: 7.792 min
Delta R.T.: 0.000 min
Response: 1085338569
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



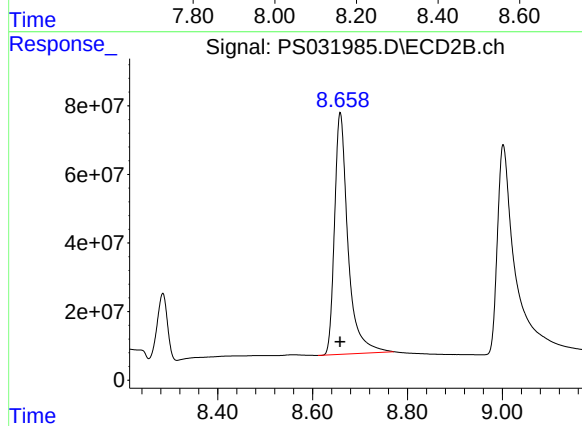
#7 MCPA

R.T.: 8.284 min
Delta R.T.: 0.000 min
Response: 281029216
Conc: 69.75 ug/ml



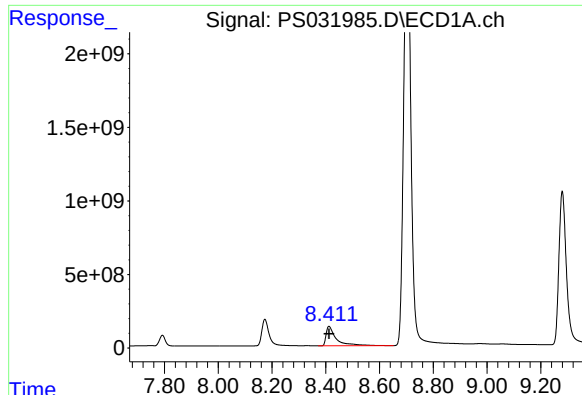
#8 DICHLORPROP

R.T.: 8.173 min
Delta R.T.: 0.000 min
Response: 3310733431
Conc: 705.00 ng/ml



#8 DICHLORPROP

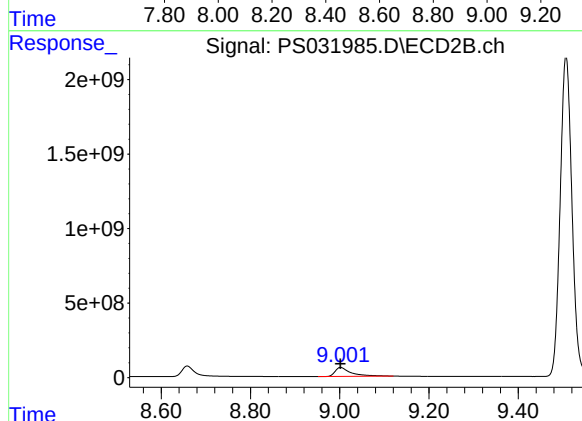
R.T.: 8.658 min
Delta R.T.: 0.000 min
Response: 1386938688
Conc: 705.00 ng/ml



#9 2,4-D

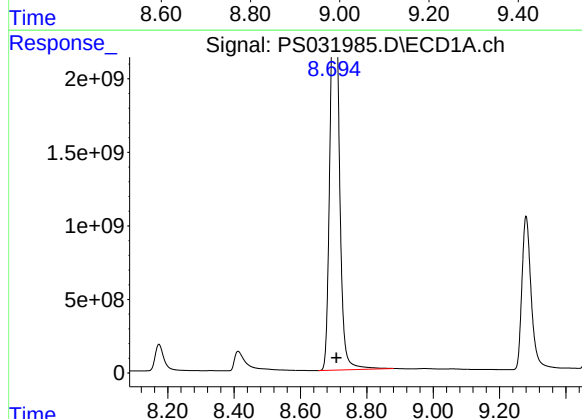
R.T.: 8.412 min
Delta R.T.: 0.000 min
Response: 3467887862
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



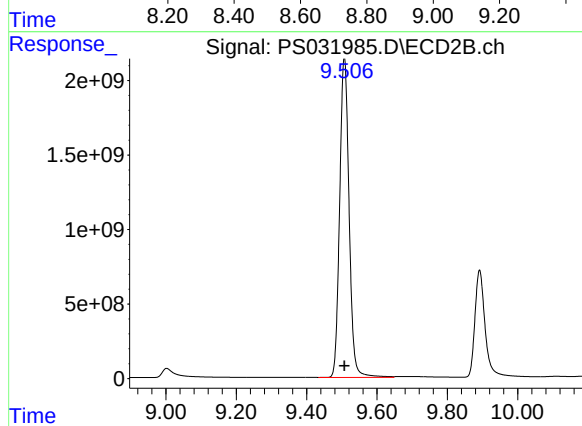
#9 2,4-D

R.T.: 9.002 min
Delta R.T.: 0.000 min
Response: 1481760709
Conc: 705.00 ng/ml



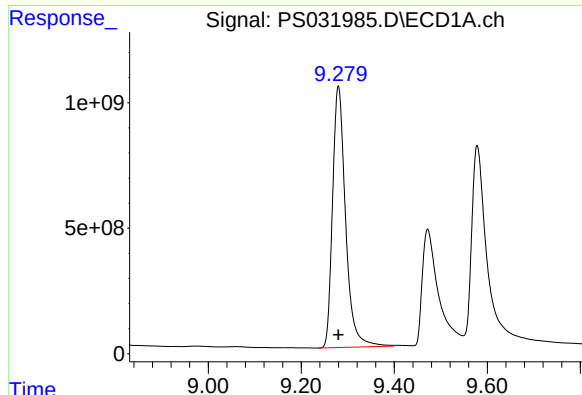
#10 Pentachlorophenol

R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 48663568419
Conc: 712.50 ng/ml



#10 Pentachlorophenol

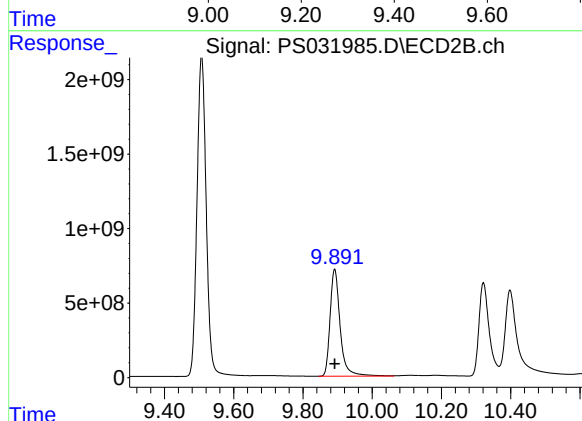
R.T.: 9.507 min
Delta R.T.: 0.000 min
Response: 39851599804
Conc: 712.50 ng/ml



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

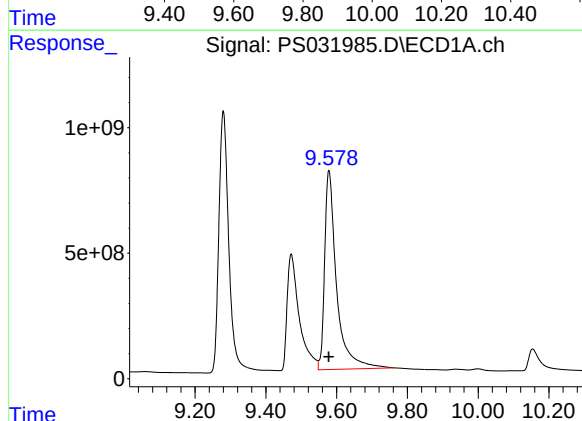
R.T.: 9.280 min
Delta R.T.: 0.000 min
Response: 20262256213
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



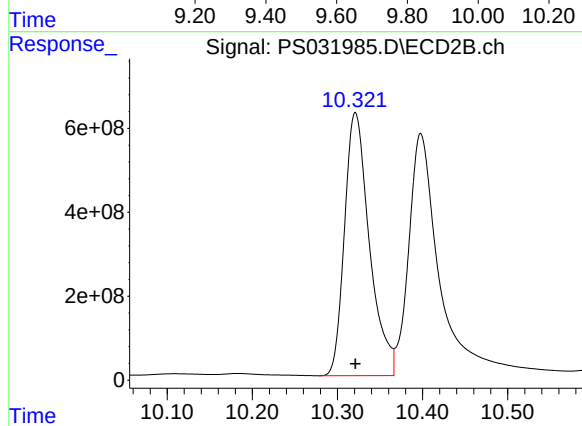
#11 2,4,5-TP (SILVEX)

R.T.: 9.892 min
Delta R.T.: 0.000 min
Response: 14571755676
Conc: 712.50 ng/ml



#12 2,4,5-T

R.T.: 9.578 min
Delta R.T.: 0.000 min
Response: 18560938270
Conc: 712.50 ng/ml



#12 2,4,5-T

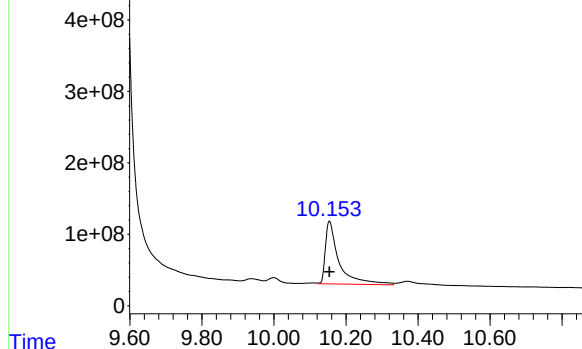
R.T.: 10.321 min
Delta R.T.: 0.000 min
Response: 12738154417
Conc: 712.50 ng/ml

Response_ Signal: PS031985.D\ECD1A.ch

#13 2,4-DB

R.T.: 10.154 min
Delta R.T.: 0.000 min
Response: 2299360012
Conc: 712.50 ng/ml

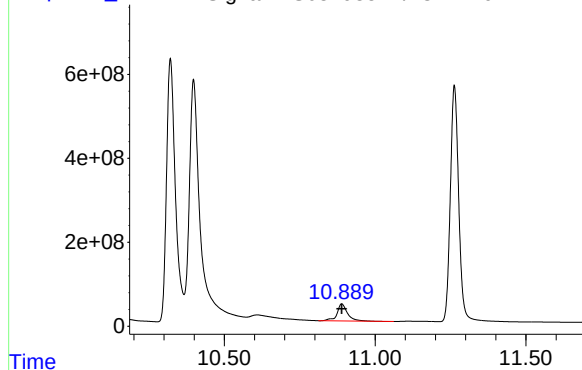
Instrument :
ECD_S
ClientSampleId :
HSTDICC750



Response_ Signal: PS031985.D\ECD2B.ch

#13 2,4-DB

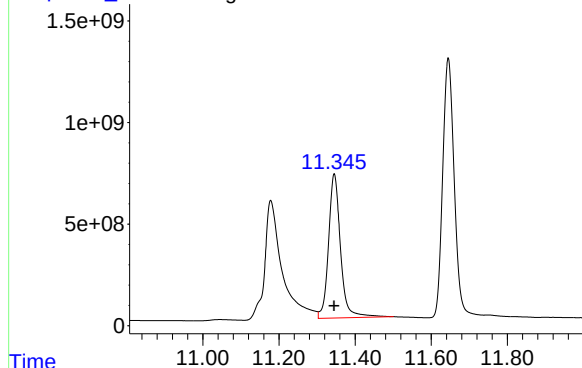
R.T.: 10.889 min
Delta R.T.: 0.000 min
Response: 983790639
Conc: 712.50 ng/ml



Response_ Signal: PS031985.D\ECD1A.ch

#14 DINOSEB

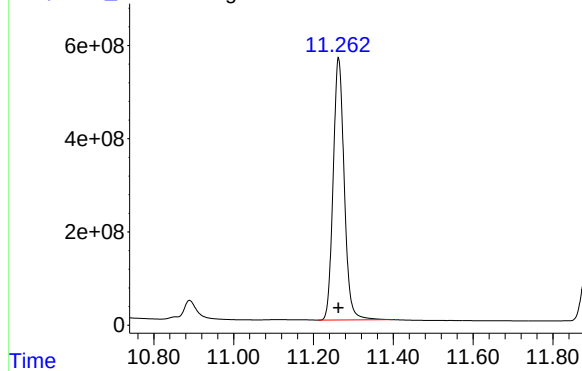
R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 15516239596
Conc: 705.00 ng/ml

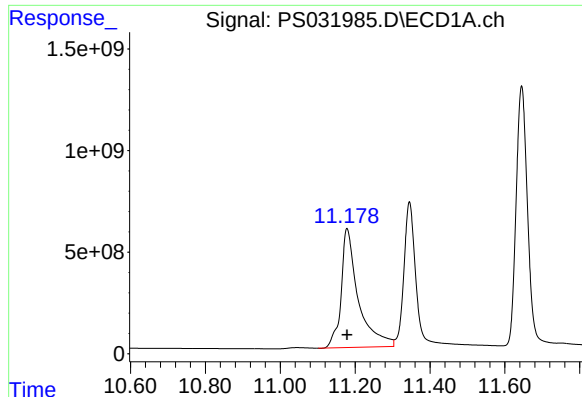


Response_ Signal: PS031985.D\ECD2B.ch

#14 DINOSEB

R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 10824835798
Conc: 705.00 ng/ml

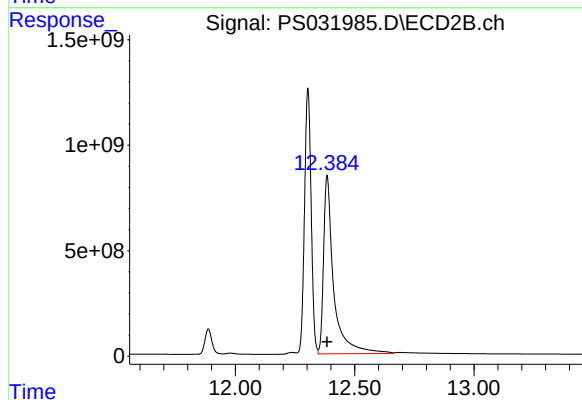




#15 Picloram

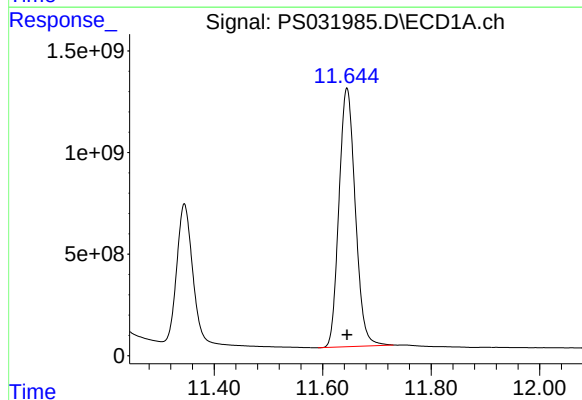
R.T.: 11.178 min
Delta R.T.: 0.000 min
Response: 18705068360
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



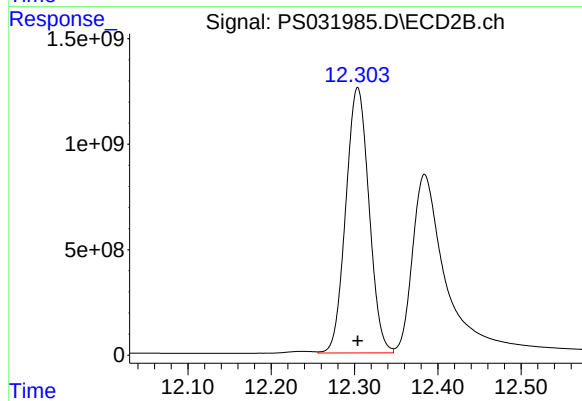
#15 Picloram

R.T.: 12.384 min
Delta R.T.: 0.000 min
Response: 24988535546
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.645 min
Delta R.T.: 0.000 min
Response: 26528127513
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 24335397457
Conc: 720.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
 Data File : PS031986.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Oct 2025 12:05
 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 13 12:31:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:31:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.281	7.743	4442.8E6	1095.0E6	905.611	994.174
Target Compounds						
1) T Dalapon	2.664	2.689	6645.1E6	3174.7E6	839.452	823.950
2) T 3,5-DICHL...	6.448	6.695	6109.8E6	1814.2E6	843.568	849.478
3) T 4-Nitroph...	7.094	7.293	1291.3E6	1414.2E6	990.248	922.675
5) T DICAMBA	7.464	7.939	18517.3E6	7847.8E6	861.379	891.984
6) T MCPP	7.644	8.038	1203.4E6	237.8E6	100.684	95.657
7) T MCPA	7.794	8.286	1421.6E6	362.9E6	98.341	97.229
8) T DICHLORPROP	8.172	8.658	4099.6E6	1733.7E6	837.183	864.860
9) T 2,4-D	8.409	8.999	4287.3E6	1895.6E6	859.023	899.901
10) T Pentachlo...	8.710	9.507	53379.3E6	46111.9E6	728.761	833.979
11) T 2,4,5-TP ...	9.279	9.891	24915.5E6	18086.5E6	854.117	877.445
12) T 2,4,5-T	9.576	10.320	23185.3E6	16199.0E6	898.797	934.847
13) T 2,4-DB	10.153	10.888	3029.1E6	1238.2E6	989.349	962.865
14) T DINOSEB	11.346	11.263	19129.7E6	13687.3E6	827.902	883.435
15) T Picloram	11.175	12.381	24386.7E6	31946.1E6	1055.712	954.097
16) T DCPA	11.645	12.304	32358.9E6	30119.5E6	847.138	880.062

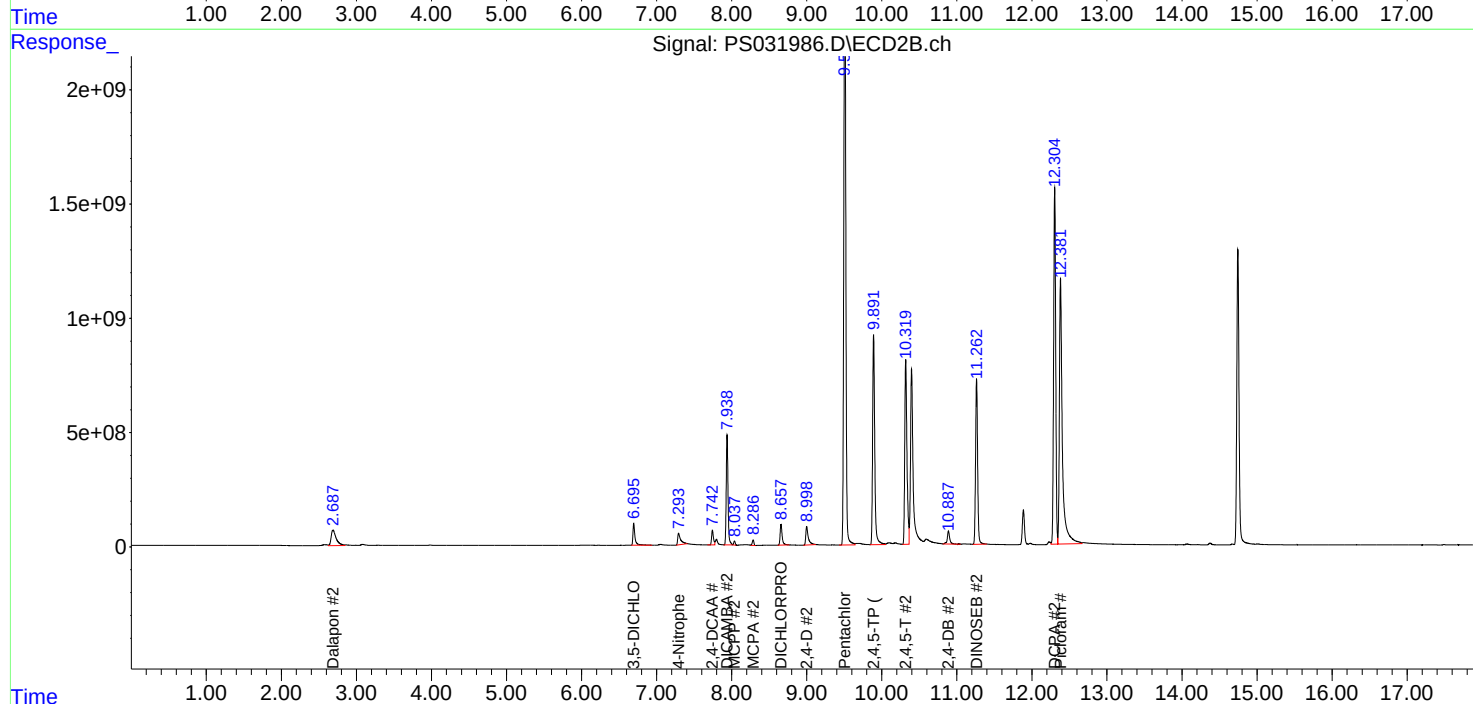
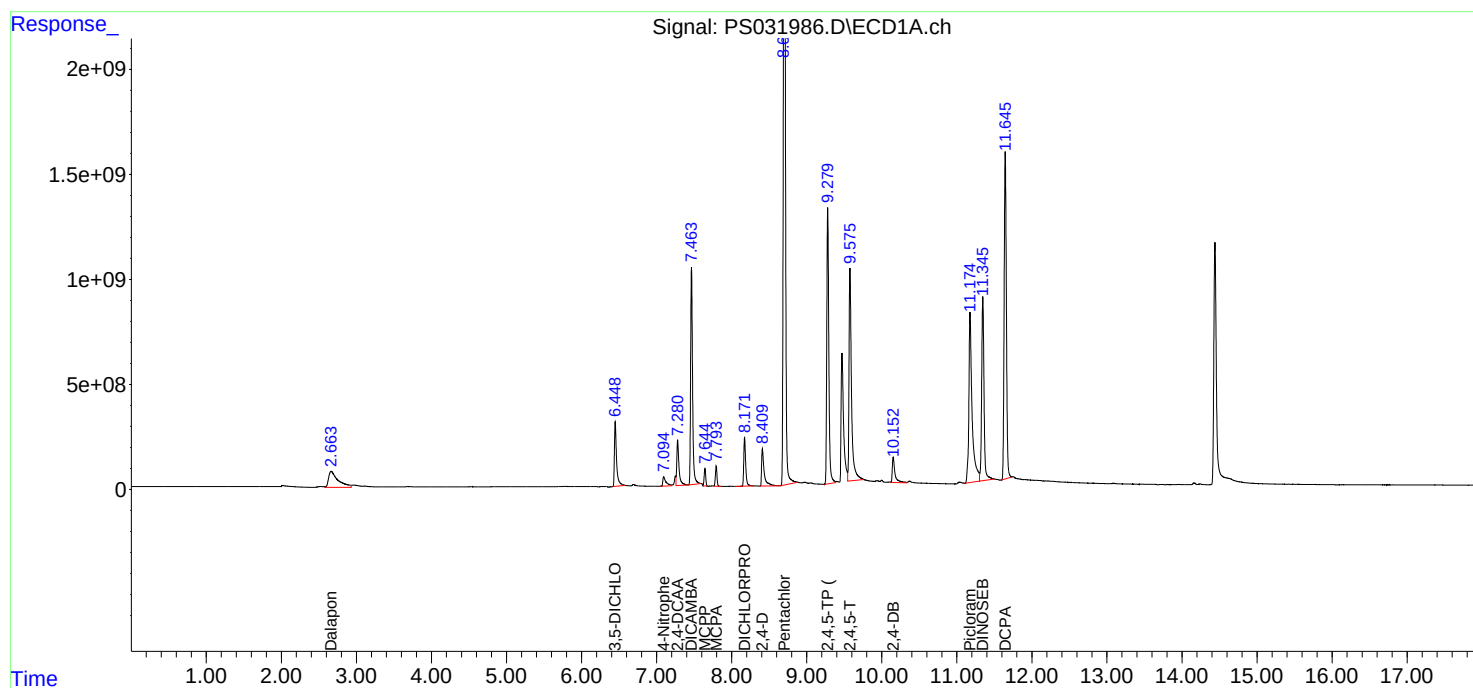
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

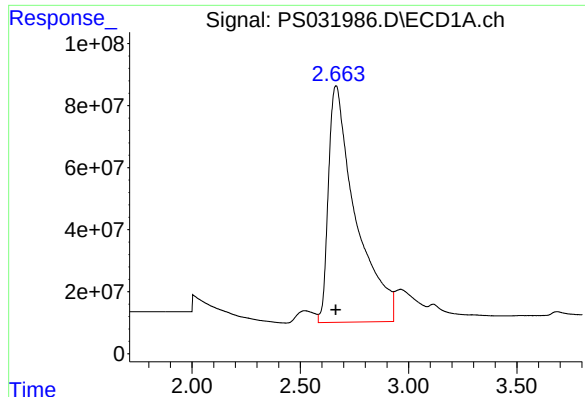
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031986.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 12:05
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 13 12:31:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:31:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

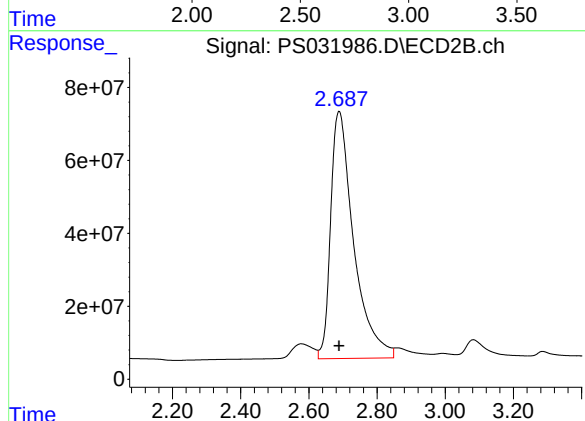




#1 Dalapon

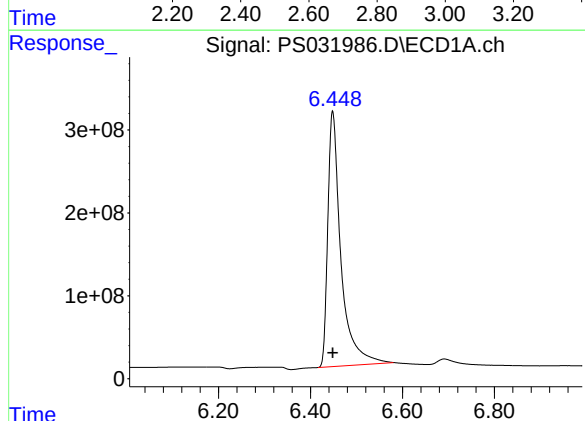
R.T.: 2.664 min
Delta R.T.: 0.000 min
Response: 6645113459
Conc: 839.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



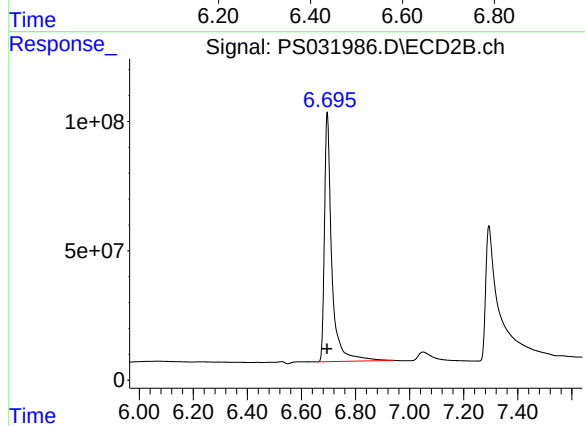
#1 Dalapon

R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 3174650248
Conc: 823.95 ng/ml



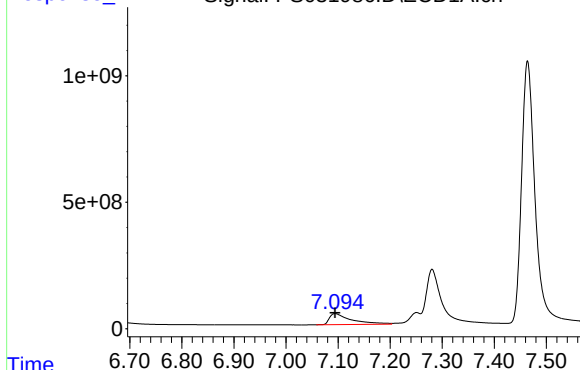
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 6109768460
Conc: 843.57 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.695 min
Delta R.T.: 0.000 min
Response: 1814225189
Conc: 849.48 ng/ml



R.T.: 7.094 min
Delta R.T.: 0.000 min
Response: 1291342279
Conc: 990.25 ng/ml

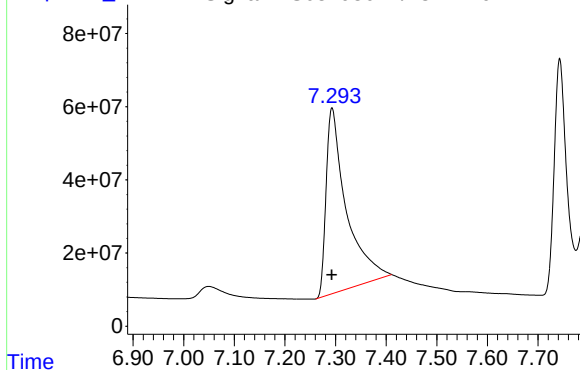
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Time

Response_

Signal: PS031986.D\ECD2B.ch

#3 4-Nitrophenol



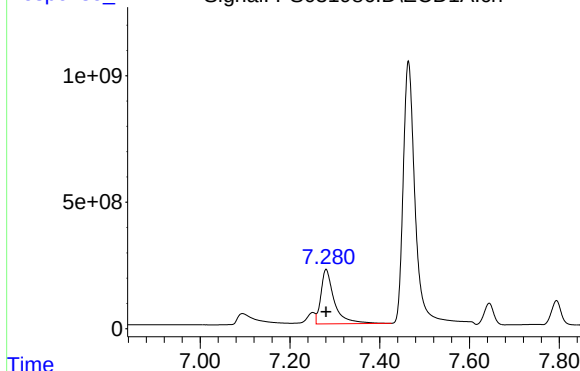
R.T.: 7.293 min
Delta R.T.: 0.000 min
Response: 1414174885
Conc: 922.68 ng/ml

Time

Response_

Signal: PS031986.D\ECD1A.ch

#4 2,4-DCAA



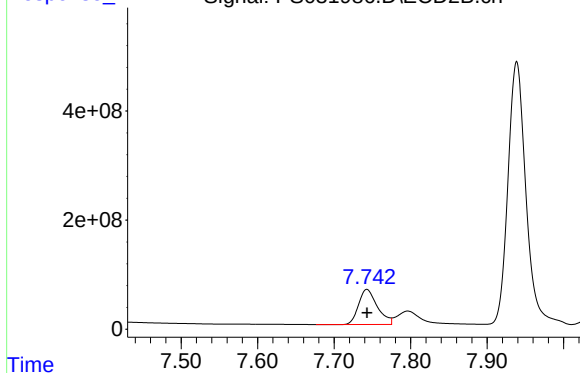
R.T.: 7.281 min
Delta R.T.: 0.000 min
Response: 4442796782
Conc: 905.61 ng/ml

Time

Response_

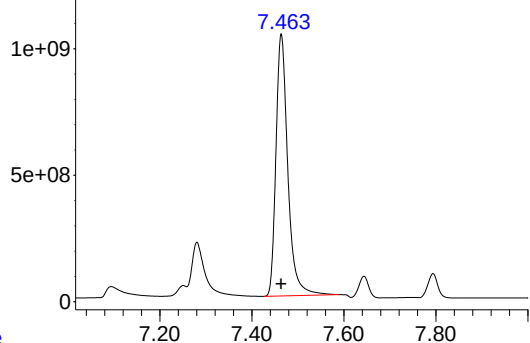
Signal: PS031986.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 1095015954
Conc: 994.17 ng/ml

Response_ Signal: PS031986.D\ECD1A.ch

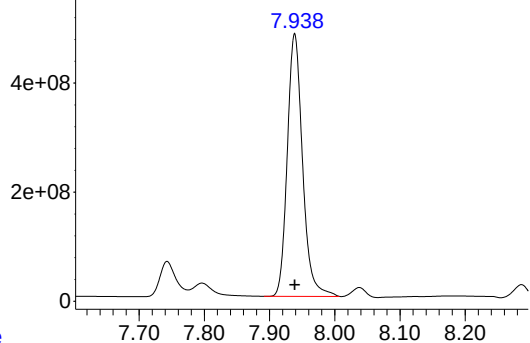


#5 DICAMBA

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 18517291959
Conc: 861.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

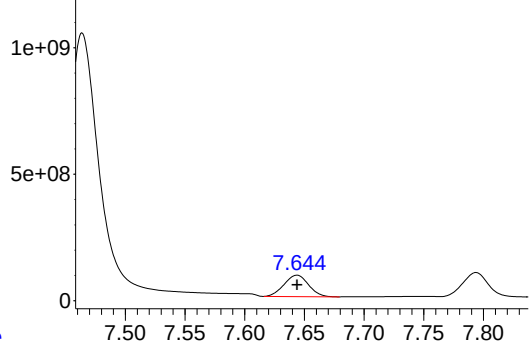
Time Response_ Signal: PS031986.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 7847814719
Conc: 891.98 ng/ml

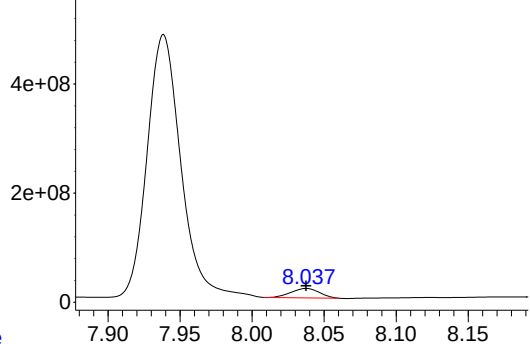
Time Response_ Signal: PS031986.D\ECD1A.ch



#6 MCPP

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 1203382719
Conc: 100.68 ug/ml

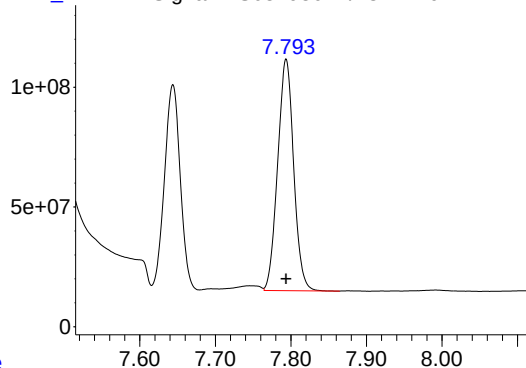
Time Response_ Signal: PS031986.D\ECD2B.ch



#6 MCPP

R.T.: 8.038 min
Delta R.T.: 0.000 min
Response: 237799377
Conc: 95.66 ug/ml

Response_ Signal: PS031986.D\ECD1A.ch

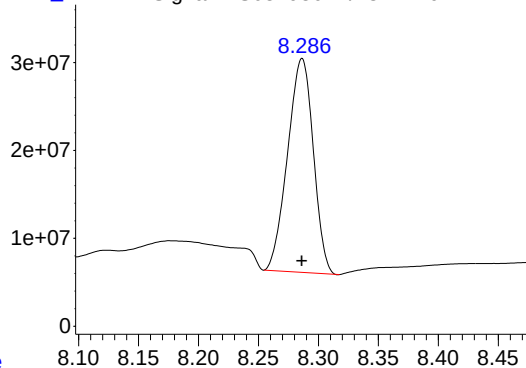


#7 MCPA

R.T.: 7.794 min
Delta R.T.: 0.000 min
Response: 1421644968
Conc: 98.34 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

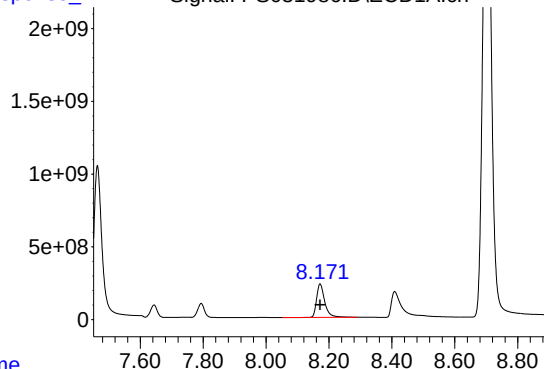
Time Response_ Signal: PS031986.D\ECD2B.ch



#7 MCPA

R.T.: 8.286 min
Delta R.T.: 0.000 min
Response: 362888672
Conc: 97.23 ug/ml

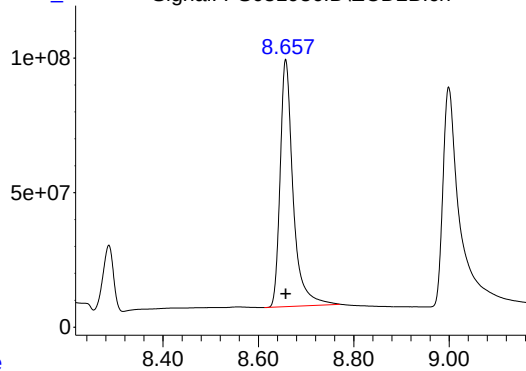
Time Response_ Signal: PS031986.D\ECD1A.ch



#8 DICHLORPROP

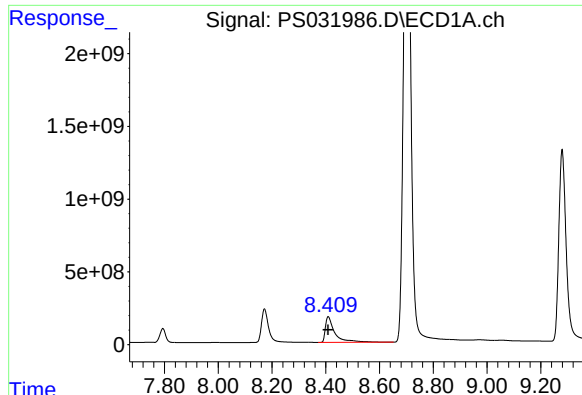
R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 4099574539
Conc: 837.18 ng/ml

Time Response_ Signal: PS031986.D\ECD2B.ch



#8 DICHLORPROP

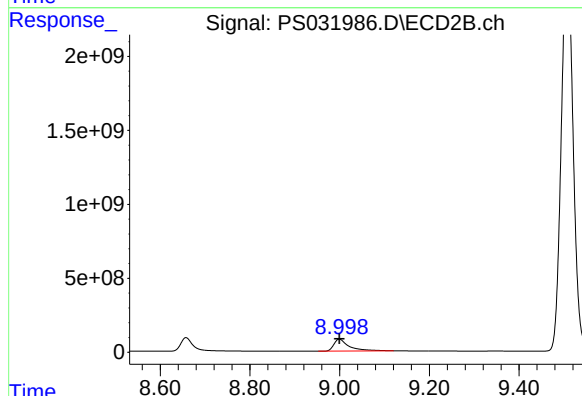
R.T.: 8.658 min
Delta R.T.: 0.000 min
Response: 1733710697
Conc: 864.86 ng/ml



#9 2,4-D

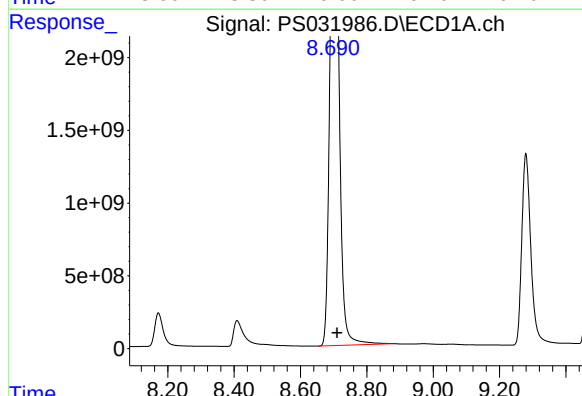
R.T.: 8.409 min
Delta R.T.: 0.000 min
Response: 4287270920
Conc: 859.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



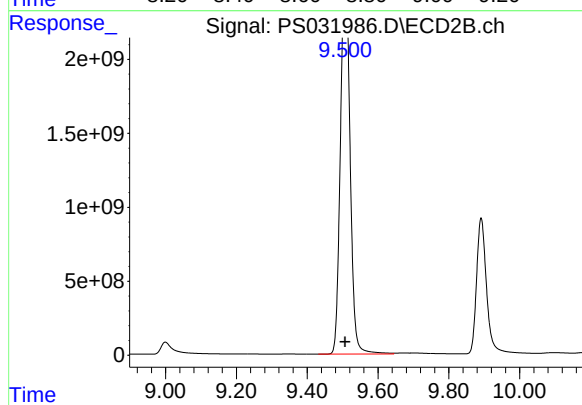
#9 2,4-D

R.T.: 8.999 min
Delta R.T.: 0.000 min
Response: 1895578790
Conc: 899.90 ng/ml



#10 Pentachlorophenol

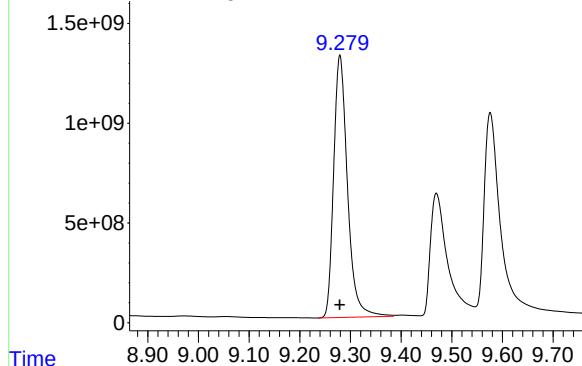
R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 53379286540
Conc: 728.76 ng/ml



#10 Pentachlorophenol

R.T.: 9.507 min
Delta R.T.: 0.000 min
Response: 46111947562
Conc: 833.98 ng/ml

Response_ Signal: PS031986.D\ECD1A.ch

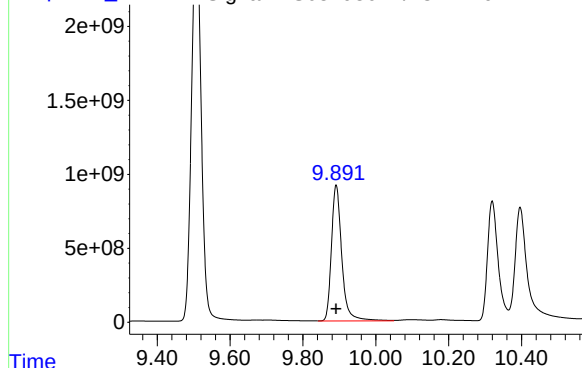


#11 2,4,5-TP (SILVEX)

R.T.: 9.279 min
Delta R.T.: 0.000 min
Response: 24915515300
Conc: 854.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

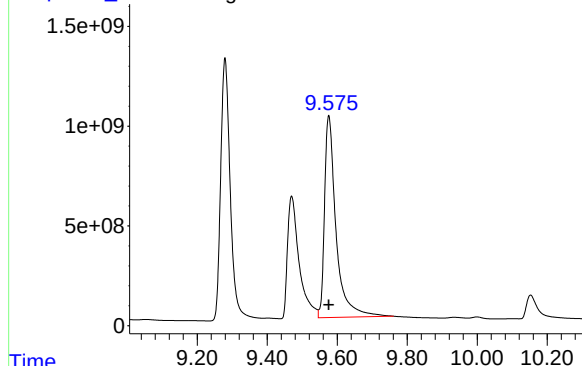
Time Response_ Signal: PS031986.D\ECD2B.ch



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

R.T.: 9.891 min
Delta R.T.: 0.000 min
Response: 18086486144
Conc: 877.45 ng/ml

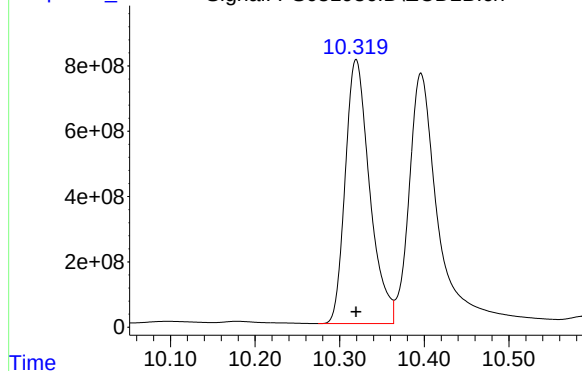
Time Response_ Signal: PS031986.D\ECD1A.ch



#12 2,4,5-T

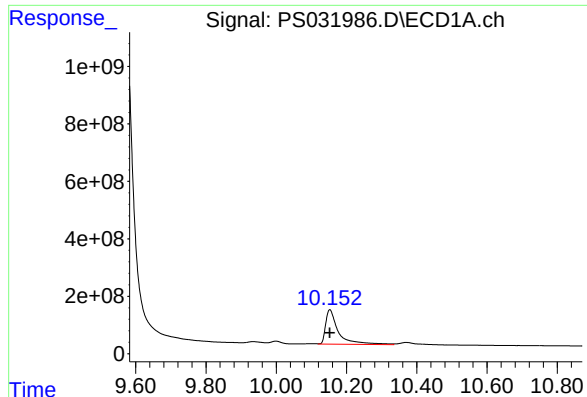
R.T.: 9.576 min
Delta R.T.: 0.000 min
Response: 23185300534
Conc: 898.80 ng/ml

Time Response_ Signal: PS031986.D\ECD2B.ch



#12 2,4,5-T

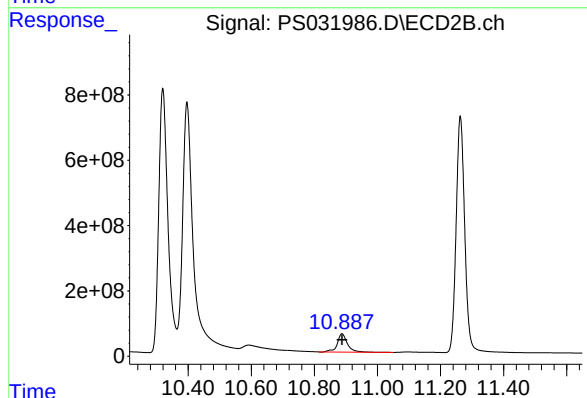
R.T.: 10.320 min
Delta R.T.: 0.000 min
Response: 16199032183
Conc: 934.85 ng/ml



#13 2,4-DB

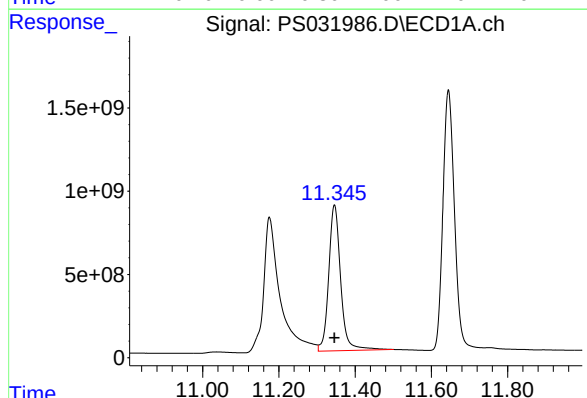
R.T.: 10.153 min
Delta R.T.: 0.000 min
Response: 3029116205
Conc: 989.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



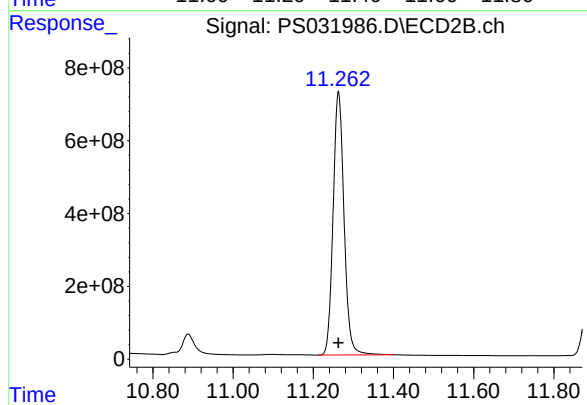
#13 2,4-DB

R.T.: 10.888 min
Delta R.T.: 0.000 min
Response: 1238165440
Conc: 962.86 ng/ml



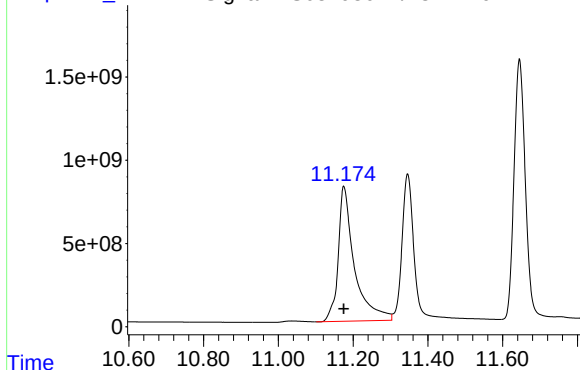
#14 DINOSEB

R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 19129745363
Conc: 827.90 ng/ml



#14 DINOSEB

R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 13687277311
Conc: 883.44 ng/ml



R.T.: 11.175 min
Delta R.T.: 0.000 min
Response: 24386707531
Conc: 1055.71 ng/ml

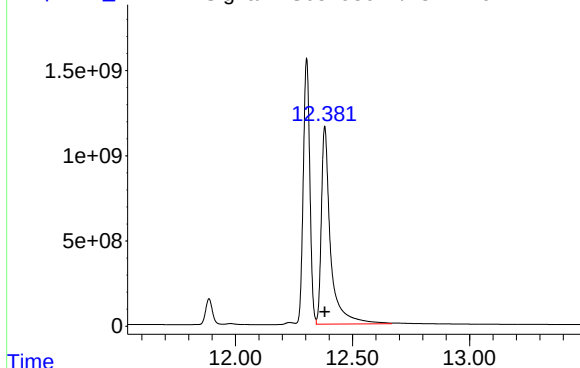
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Time

Response_

Signal: PS031986.D\ECD2B.ch

#15 Picloram



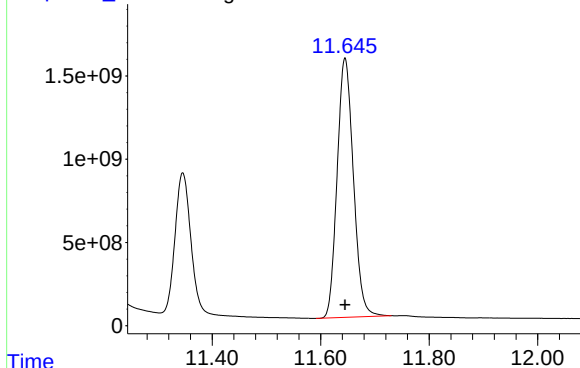
R.T.: 12.381 min
Delta R.T.: 0.000 min
Response: 31946098940
Conc: 954.10 ng/ml

Time

Response_

Signal: PS031986.D\ECD1A.ch

#16 DCPA



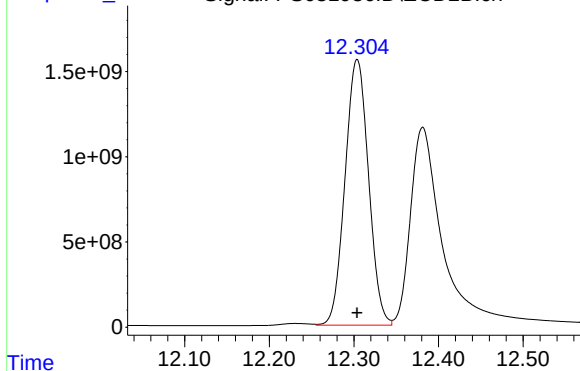
R.T.: 11.645 min
Delta R.T.: 0.000 min
Response: 32358858716
Conc: 847.14 ng/ml

Time

Response_

Signal: PS031986.D\ECD2B.ch

#16 DCPA



R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 30119547515
Conc: 880.06 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
 Data File : PS031987.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Oct 2025 12:29
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/14/2025
 Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 13 12:50:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:50:02 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.741	6317.6E6	1644.0E6	1325.271	1494.043
Target Compounds							
1) T	Dalapon	2.665	2.689	9518.9E6	4613.0E6	1231.823	1227.425
2) T	3,5-DICHL...	6.447	6.694	8681.4E6	2631.9E6	1233.357	1261.745
3) T	4-Nitroph...	7.088	7.285	1989.1E6	2316.0E6	1490.280	1524.185m
5) T	DICAMBA	7.464	7.938	26399.2E6	11437.7E6	1260.564	1320.611
6) T	MCPD	7.648	8.040	1880.1E6	347.9E6	153.747	140.159
7) T	MCPA	7.798	8.290	2198.0E6	548.6E6	149.357	145.424
8) T	DICHLORPROP	8.171	8.656	5898.4E6	2499.7E6	1240.683	1276.492
9) T	2,4-D	8.406	8.995	6085.4E6	2771.7E6	1253.209	1333.652
10) T	Pentachlo...	8.715	9.512	60720.6E6	54083.6E6	904.665	1043.605
11) T	2,4,5-TP ...	9.278	9.890	34949.3E6	25541.2E6	1237.491	1272.297
12) T	2,4,5-T	9.574	10.318	32828.6E6	23386.1E6	1300.437	1364.047
13) T	2,4-DB	10.149	10.885	4637.9E6	1876.4E6	1495.947	1452.233
14) T	DINOSEB	11.346	11.263	26901.6E6	19799.8E6	1206.303	1302.354
15) T	Picloram	11.172	12.379	36323.6E6	46352.1E6	1540.582	1392.288
16) T	DCPA	11.645	12.304	44510.0E6	41991.5E6	1211.478	1264.362

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 12:29
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1500

Manual Integrations

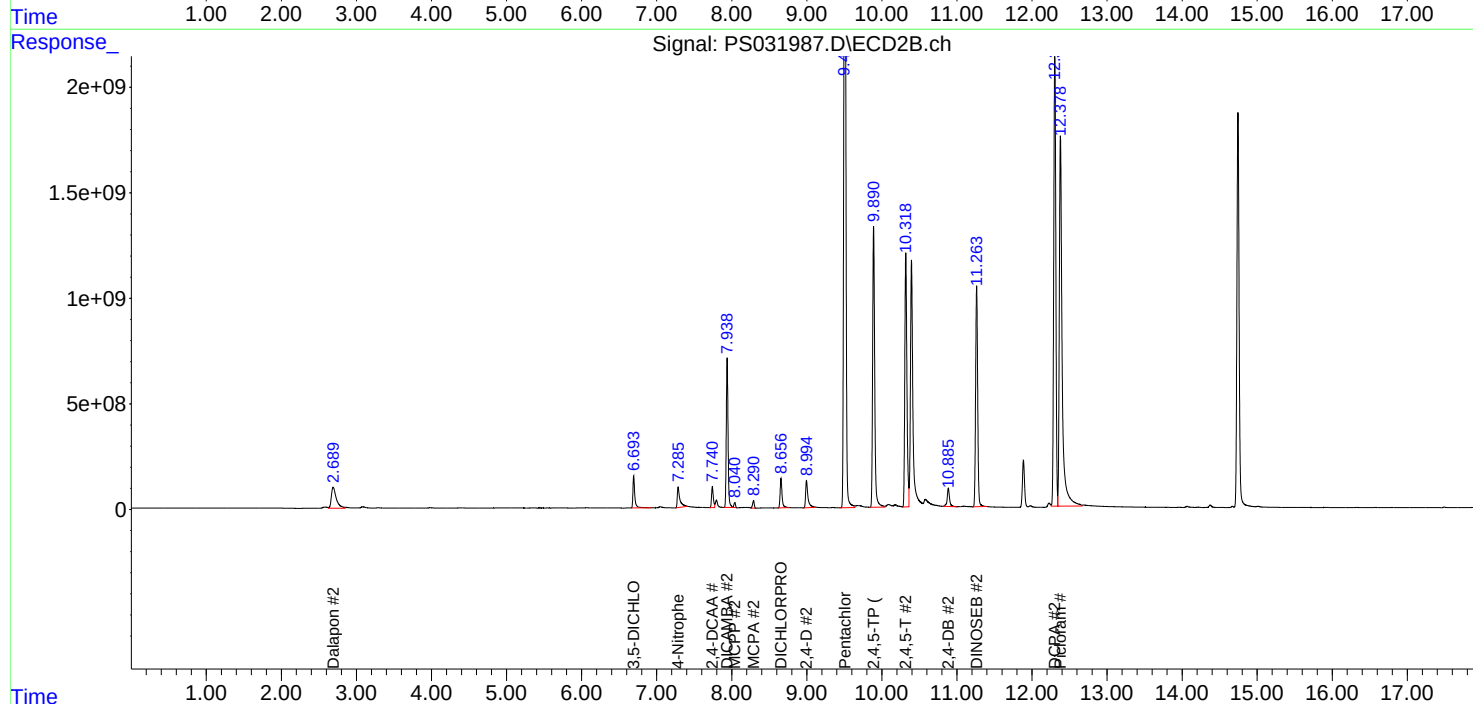
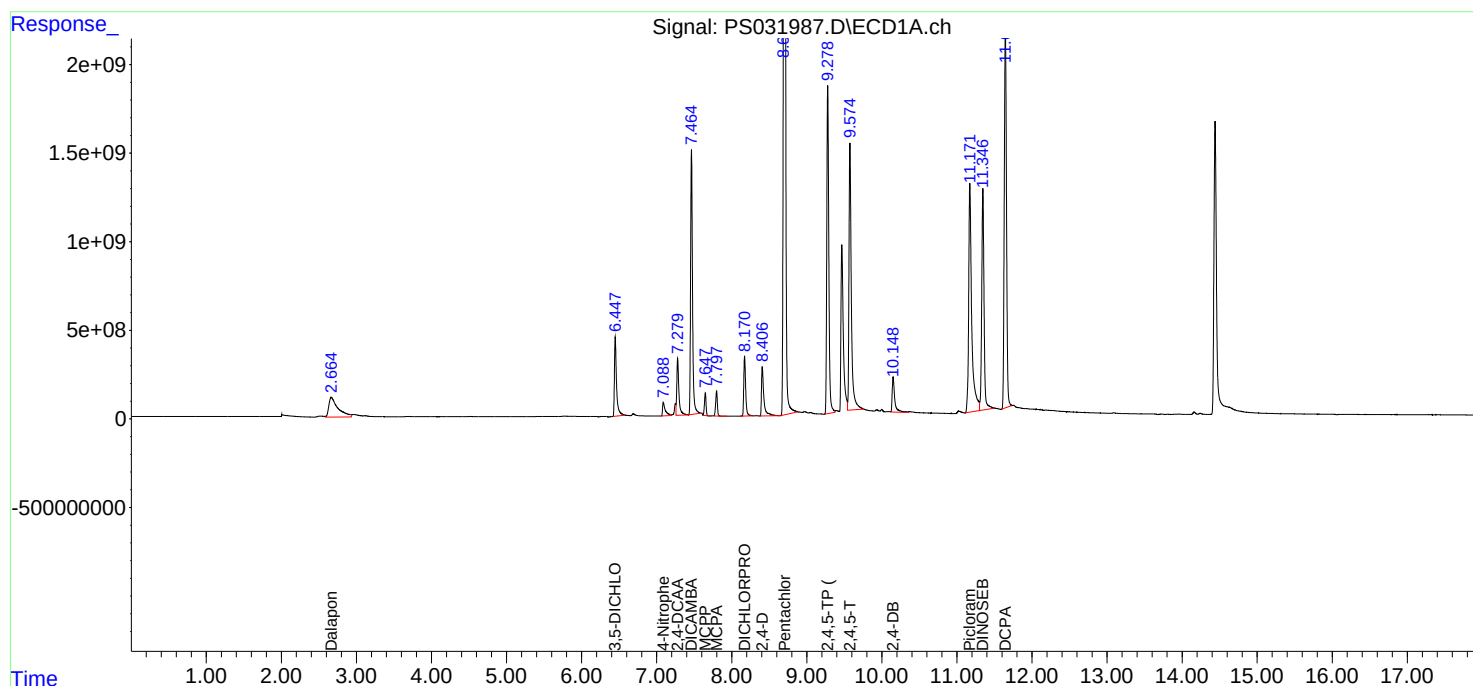
APPROVED

Reviewed By :Abdul Mirza 10/14/2025

Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 13 12:50:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:50:02 2025
Response via : Initial Calibration
Integrator: ChemStation

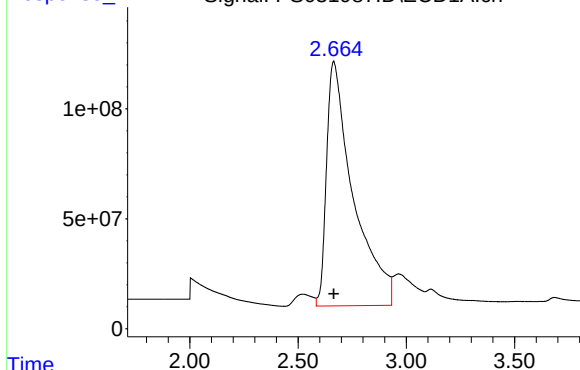
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS031987.D\ECD1A.ch

#1 Dalapon



R.T.: 2.665 min
Delta R.T.: 0.000 min
Response: 9518948557
Conc: 1231.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

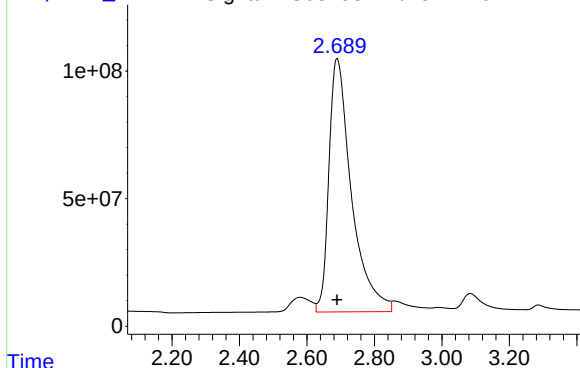
Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025

Time

Response_

Signal: PS031987.D\ECD2B.ch

#1 Dalapon



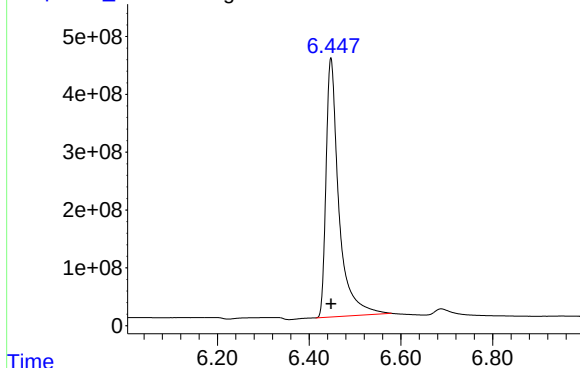
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 4612995615
Conc: 1227.43 ng/ml

Time

Response_

Signal: PS031987.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID



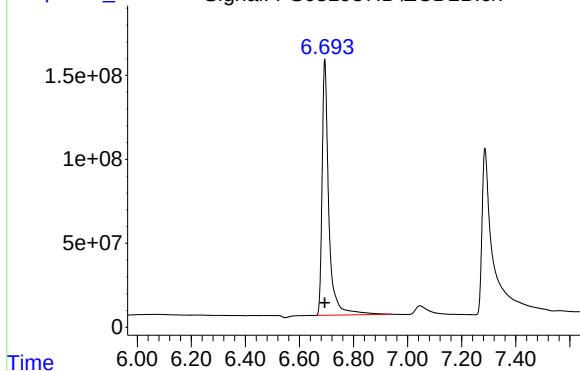
R.T.: 6.447 min
Delta R.T.: 0.000 min
Response: 8681431971
Conc: 1233.36 ng/ml

Time

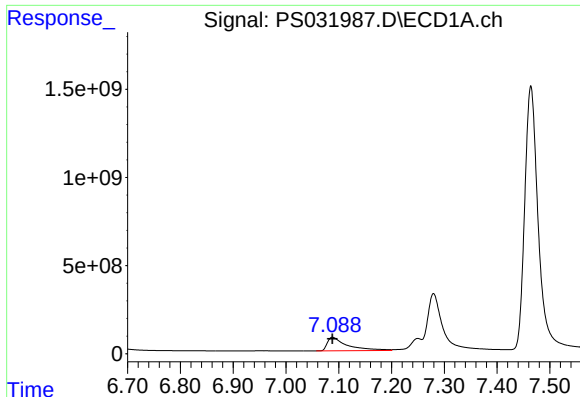
Response_

Signal: PS031987.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID



R.T.: 6.694 min
Delta R.T.: 0.000 min
Response: 2631851199
Conc: 1261.74 ng/ml



#3 4-Nitrophenol

R.T.: 7.088 min
Delta R.T.: 0.000 min
Response: 1989053186
Conc: 1490.28 ng/m

Instrument :

ECD_S

ClientSampleId :

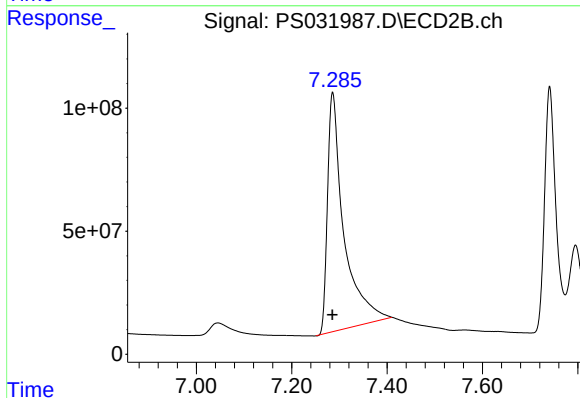
HSTDICC1500

Manual Integrations

APPROVED

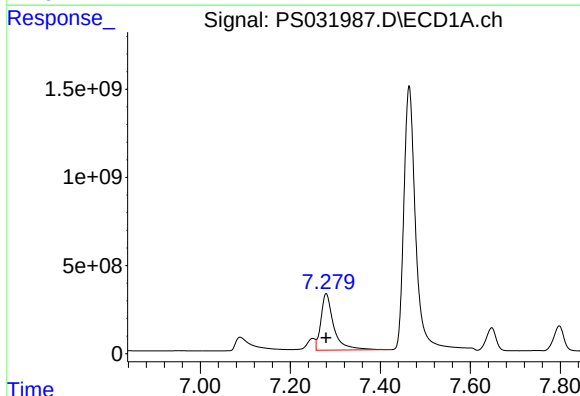
Reviewed By :Abdul Mirza 10/14/2025

Supervised By :mohammad ahmed 10/15/2025



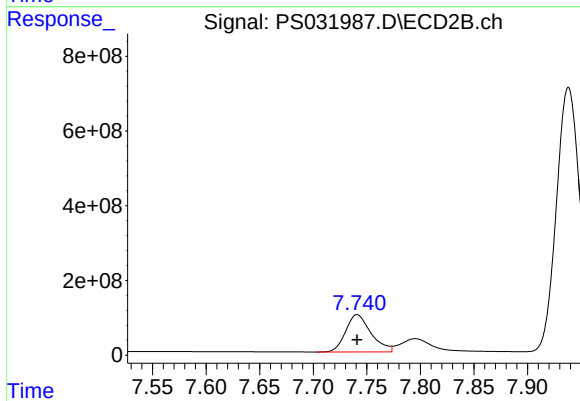
#3 4-Nitrophenol

R.T.: 7.285 min
Delta R.T.: 0.000 min
Response: 2315979465
Conc: 1524.18 ng/ml m



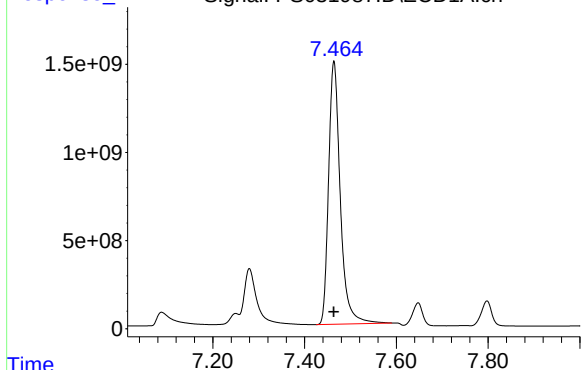
#4 2,4-DCAA

R.T.: 7.280 min
Delta R.T.: 0.000 min
Response: 6317614004
Conc: 1325.27 ng/ml



#4 2,4-DCAA

R.T.: 7.741 min
Delta R.T.: 0.000 min
Response: 1643956295
Conc: 1494.04 ng/ml



R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 26399188615
Conc: 1260.56 ng/ml

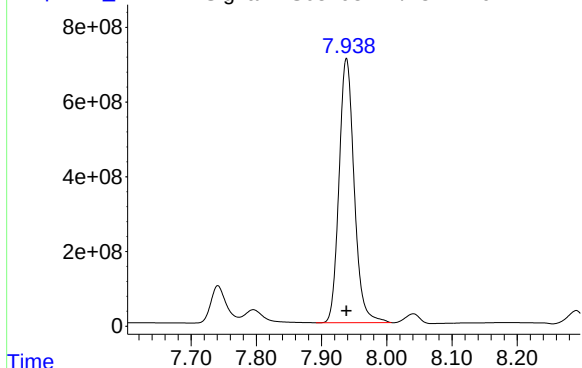
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025

Time
Response_ Signal: PS031987.D\ECD2B.ch

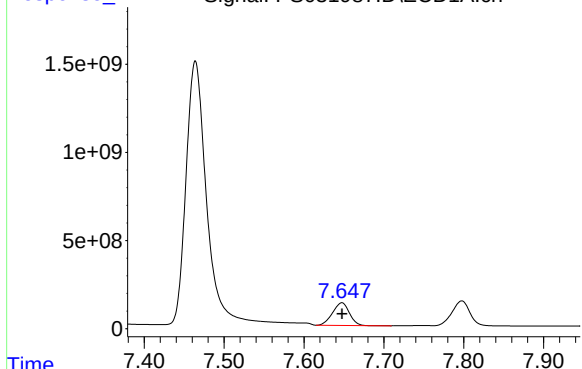
#5 DICAMBA



R.T.: 7.938 min
Delta R.T.: 0.000 min
Response: 11437664304
Conc: 1320.61 ng/ml

Time
Response_ Signal: PS031987.D\ECD1A.ch

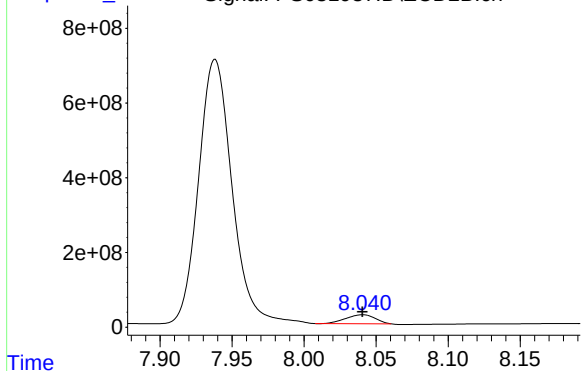
#6 MCPP



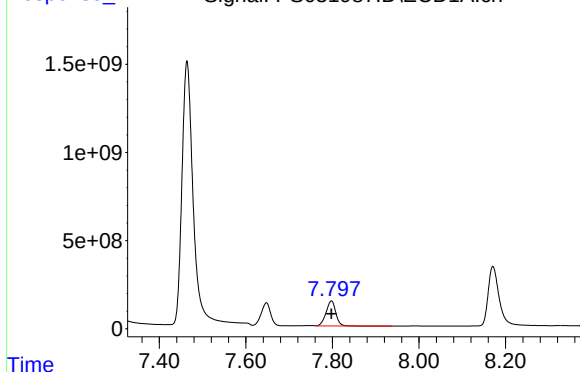
R.T.: 7.648 min
Delta R.T.: 0.000 min
Response: 1880088360
Conc: 153.75 ug/ml

Time
Response_ Signal: PS031987.D\ECD2B.ch

#6 MCPP



R.T.: 8.040 min
Delta R.T.: 0.000 min
Response: 347912792
Conc: 140.16 ug/ml



R.T.: 7.798 min
Delta R.T.: 0.000 min
Response: 2197971405
Conc: 149.36 ug/ml

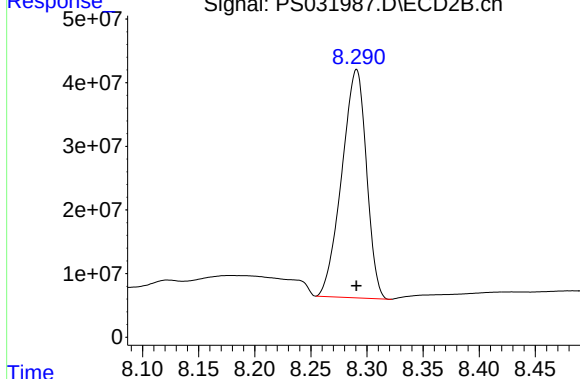
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025

Time
Response_ Signal: PS031987.D\ECD2B.ch

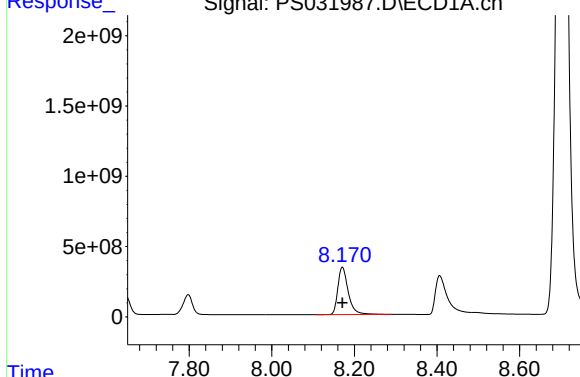
#7 MCPA



R.T.: 8.290 min
Delta R.T.: 0.000 min
Response: 548591229
Conc: 145.42 ug/ml

Time
Response_ Signal: PS031987.D\ECD1A.ch

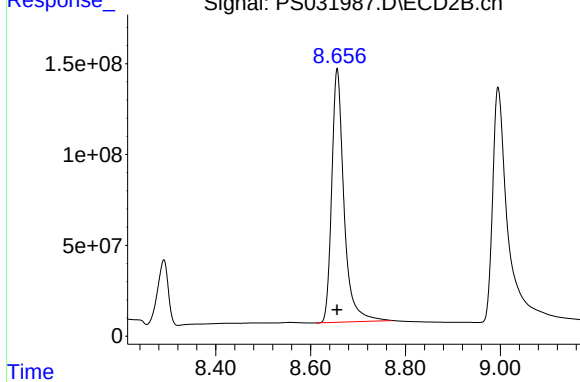
#8 DICHLORPROP



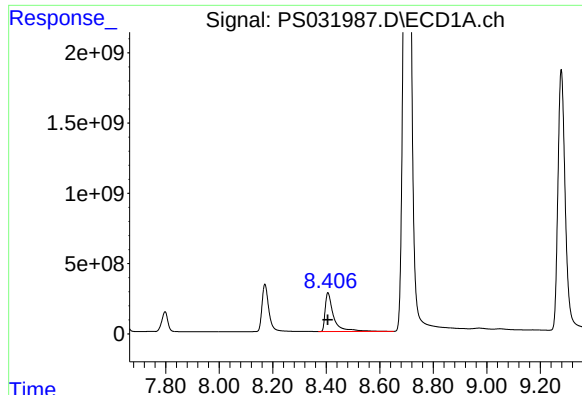
R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 5898387726
Conc: 1240.68 ng/ml

Time
Response_ Signal: PS031987.D\ECD2B.ch

#8 DICHLORPROP



R.T.: 8.656 min
Delta R.T.: 0.000 min
Response: 2499702739
Conc: 1276.49 ng/ml



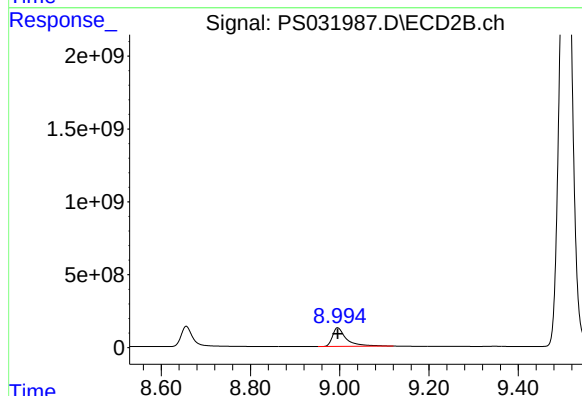
#9 2,4-D

R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 6085426164
Conc: 1253.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

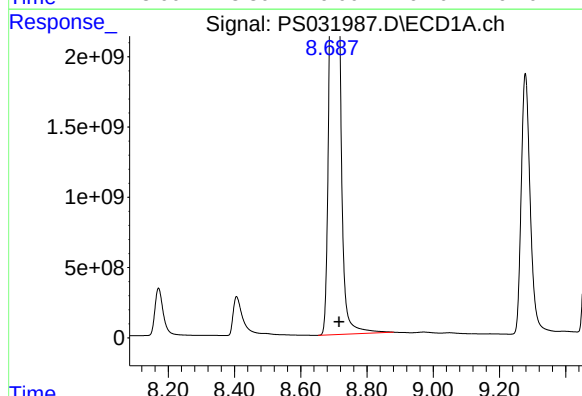
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



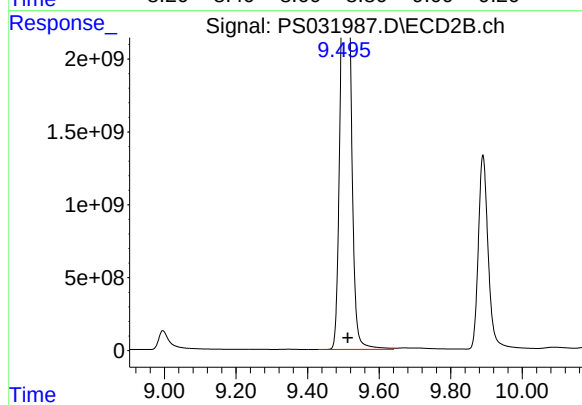
#9 2,4-D

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 2771724968
Conc: 1333.65 ng/ml



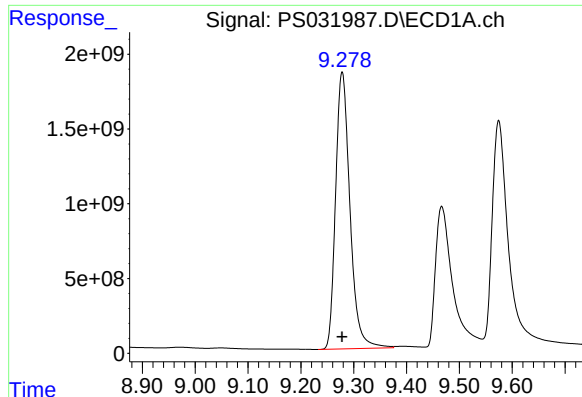
#10 Pentachlorophenol

R.T.: 8.715 min
Delta R.T.: 0.000 min
Response: 60720649541
Conc: 904.66 ng/ml



#10 Pentachlorophenol

R.T.: 9.512 min
Delta R.T.: 0.000 min
Response: 54083623533
Conc: 1043.60 ng/ml



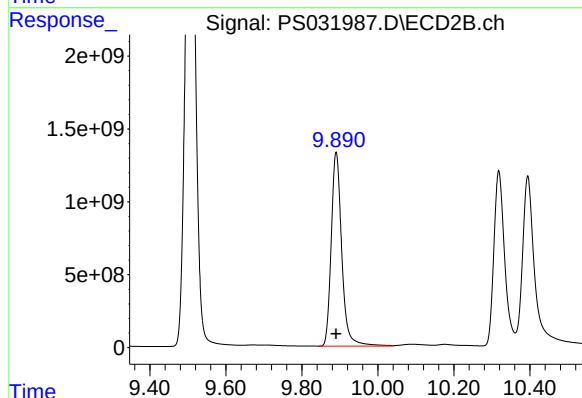
#11 2,4,5-TP (SILVEX)

R.T.: 9.278 min
Delta R.T.: 0.000 min
Response: 34949267501
Conc: 1237.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

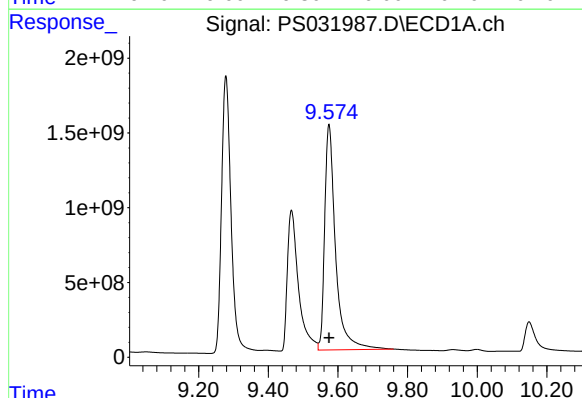
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



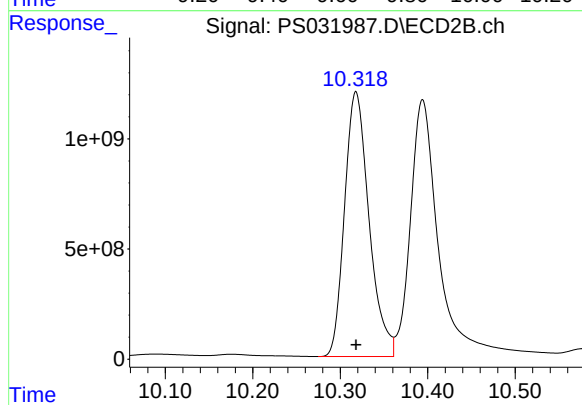
#11 2,4,5-TP (SILVEX)

R.T.: 9.890 min
Delta R.T.: 0.000 min
Response: 25541194151
Conc: 1272.30 ng/ml



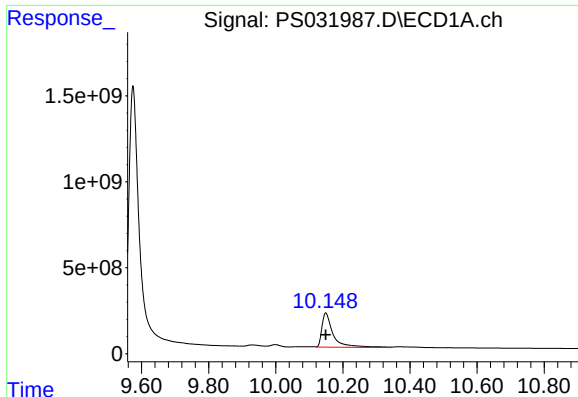
#12 2,4,5-T

R.T.: 9.574 min
Delta R.T.: 0.000 min
Response: 32828574263
Conc: 1300.44 ng/ml



#12 2,4,5-T

R.T.: 10.318 min
Delta R.T.: 0.000 min
Response: 23386140415
Conc: 1364.05 ng/ml



#13 2,4-DB

R.T.: 10.149 min
Delta R.T.: 0.000 min
Response: 4637910557
Conc: 1495.95 ng/ml

Instrument :

ECD_S

ClientSampleId :

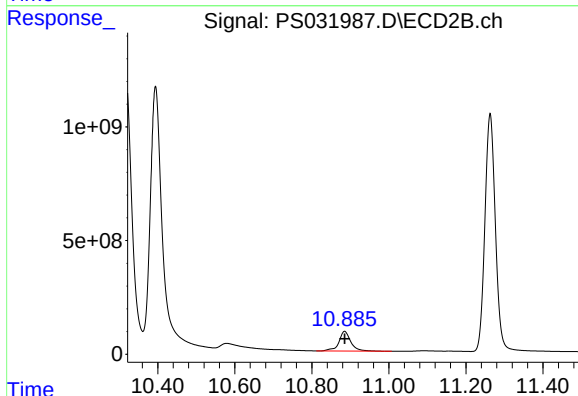
HSTDICC1500

Manual Integrations

APPROVED

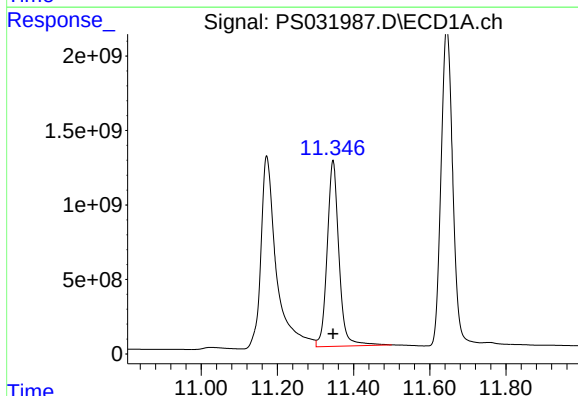
Reviewed By :Abdul Mirza 10/14/2025

Supervised By :mohammad ahmed 10/15/2025



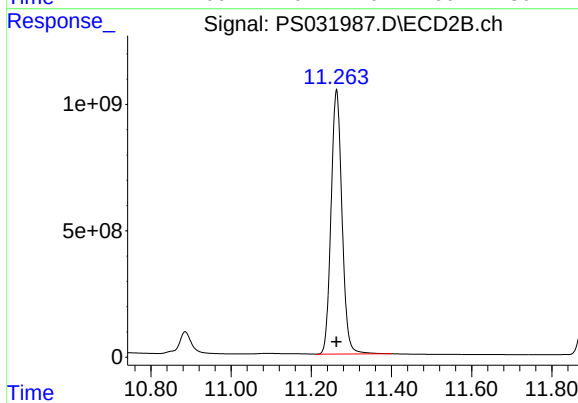
#13 2,4-DB

R.T.: 10.885 min
Delta R.T.: 0.000 min
Response: 1876417231
Conc: 1452.23 ng/ml



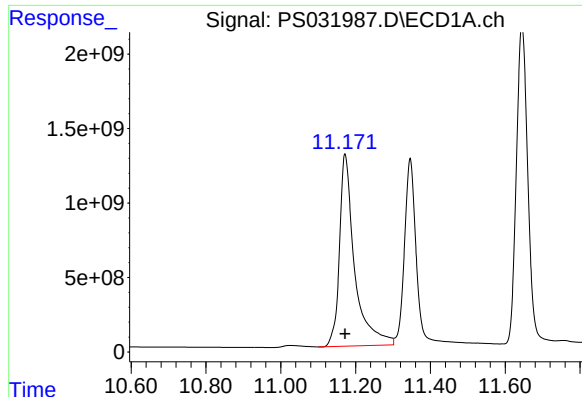
#14 DINOSEB

R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 26901589441
Conc: 1206.30 ng/ml



#14 DINOSEB

R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 19799785065
Conc: 1302.35 ng/ml



#15 Picloram

R.T.: 11.172 min
Delta R.T.: 0.000 min
Response: 36323642152
Conc: 1540.58 ng/ml

Instrument :

ECD_S

ClientSampleId :

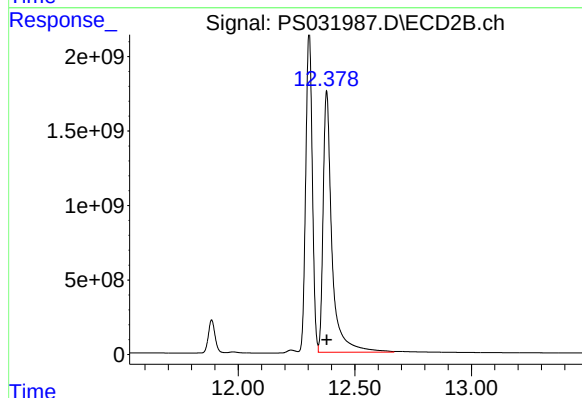
HSTDICC1500

Manual Integrations

APPROVED

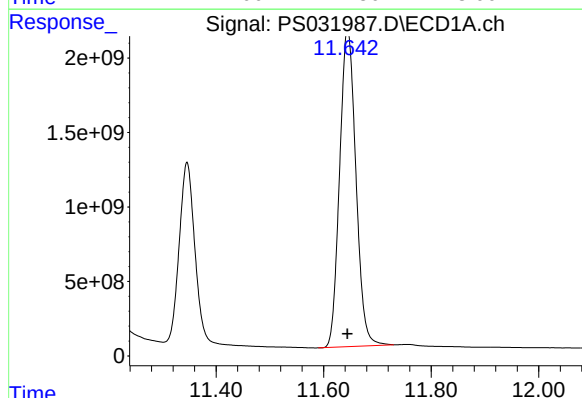
Reviewed By :Abdul Mirza 10/14/2025

Supervised By :mohammad ahmed 10/15/2025



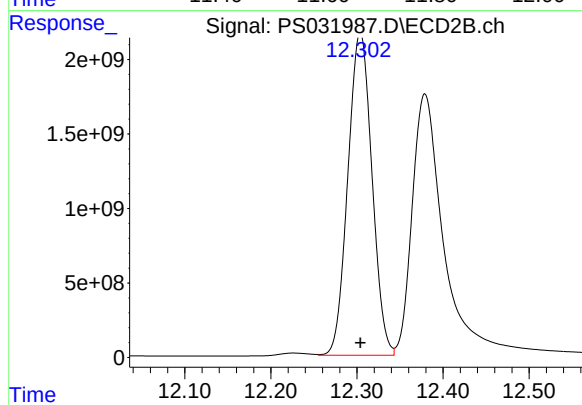
#15 Picloram

R.T.: 12.379 min
Delta R.T.: 0.000 min
Response: 46352059757
Conc: 1392.29 ng/ml



#16 DCPA

R.T.: 11.645 min
Delta R.T.: 0.000 min
Response: 44509974478
Conc: 1211.48 ng/ml



#16 DCPA

R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 41991536438
Conc: 1264.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
 Data File : PS031988.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Oct 2025 12:52
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ICVPS101325

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 13 13:19:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.282	7.744	3899.3E6	819.0E6	817.976	744.285
Target Compounds						
1) T Dalapon	2.663	2.689	5080.1E6	2422.0E6	657.397	644.457
2) T 3,5-DICHL...	6.449	6.697	4681.6E6	1384.8E6	665.108	663.886
3) T 4-Nitroph...	7.098	7.300	948.5E6	934.8E6	710.657	616.059
5) T DICAMBA	7.464	7.939	14174.1E6	5935.6E6	676.816	685.333
6) T MCPP	7.642	8.036	861.2E6	174.0E6	70.424	70.088
7) T MCPA	7.791	8.284	1024.4E6	265.8E6	69.611	70.469
8) T DICHLORPROP	8.172	8.659	3152.8E6	1323.6E6	663.158	675.907
9) T 2,4-D	8.412	9.002	3298.5E6	1416.2E6	679.274	681.434
10) T Pentachlo...	8.704	9.507	47578.1E6	38063.6E6	708.856	734.479
11) T 2,4,5-TP ...	9.280	9.892	19309.1E6	13923.3E6	683.702	693.566
12) T 2,4,5-T	9.578	10.322	17727.3E6	12182.9E6	702.230	710.592
13) T 2,4-DB	10.153	10.889	2241.0E6	936.0E6	722.835	724.402
14) T DINOSEB	11.346	11.263	14971.7E6	10405.5E6	671.349	684.431
15) T Picloram	11.179	12.385	17979.0E6	24070.2E6	762.536	723.004
16) T DCPA	11.645	12.304	25388.4E6	23363.8E6	691.025	703.482

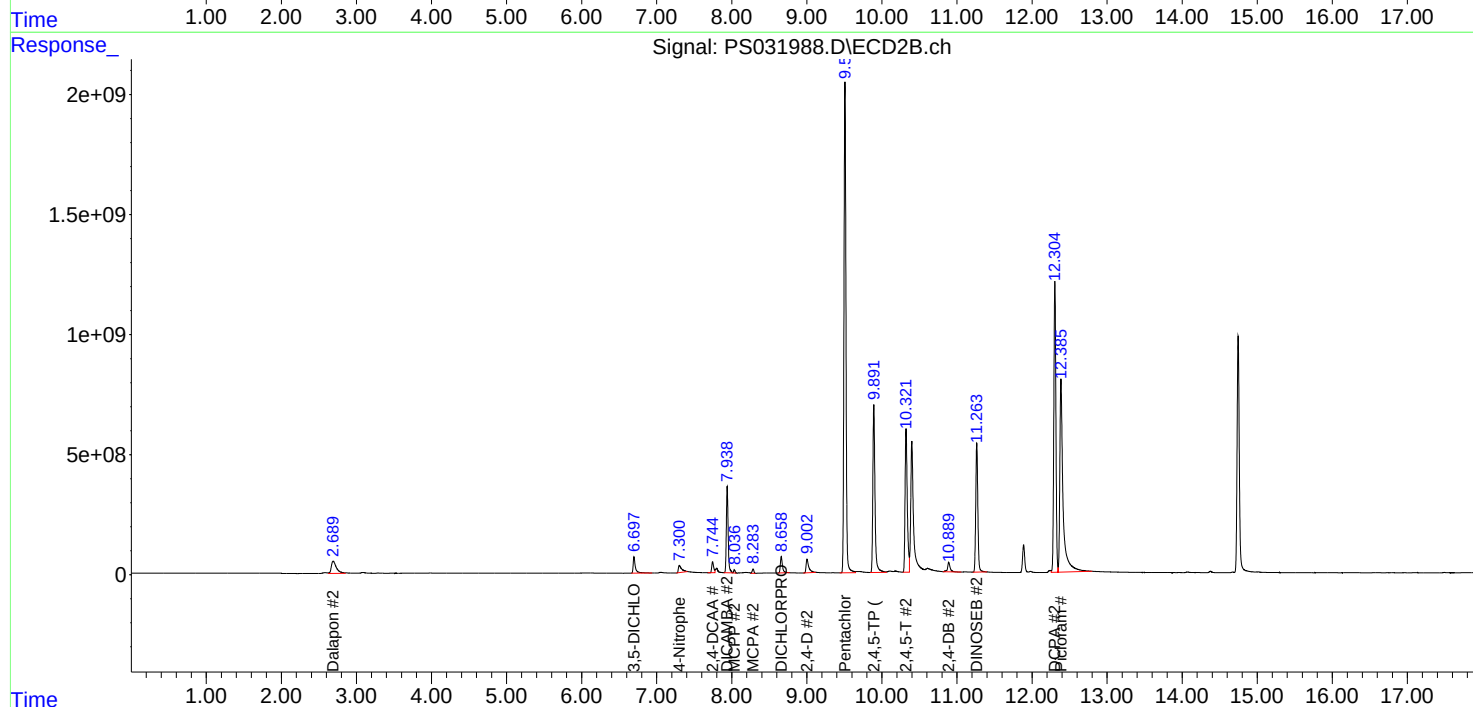
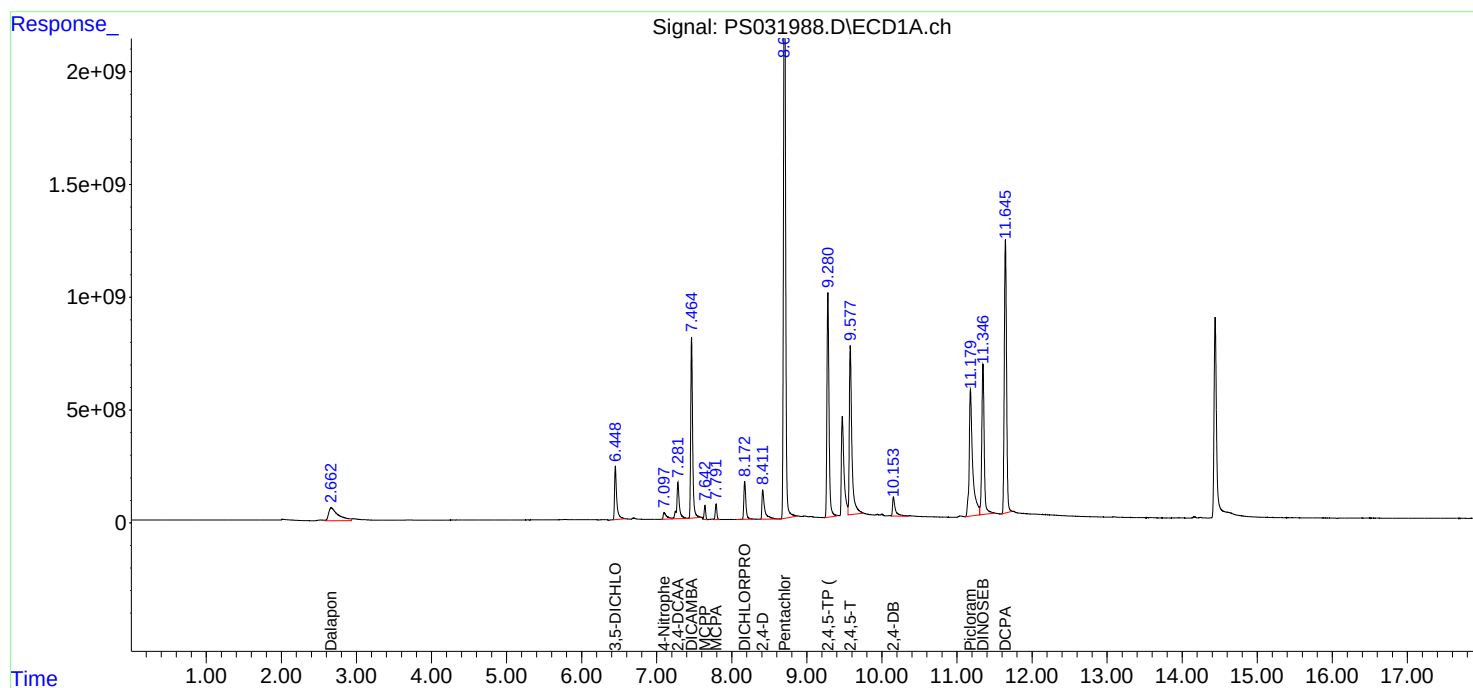
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

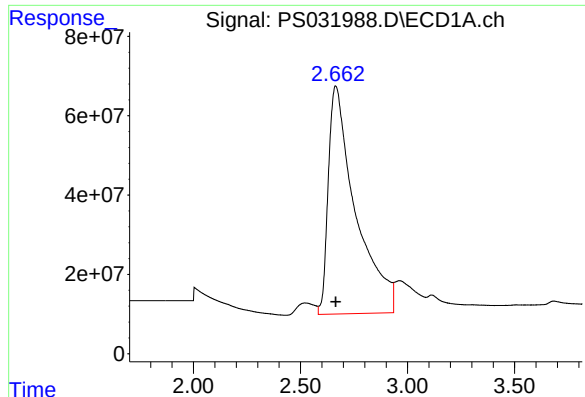
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 12:52
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS101325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 13 13:19:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

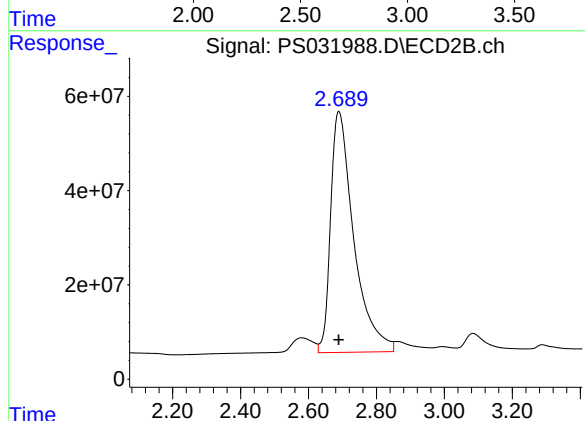




#1 Dalapon

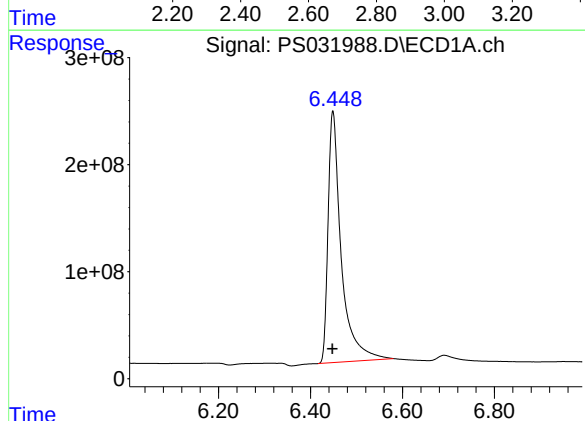
R.T.: 2.663 min
Delta R.T.: -0.002 min
Response: 5080055339
Conc: 657.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



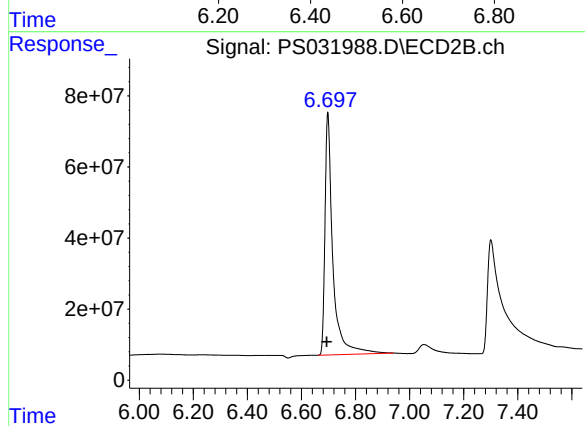
#1 Dalapon

R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 2422043836
Conc: 644.46 ng/ml



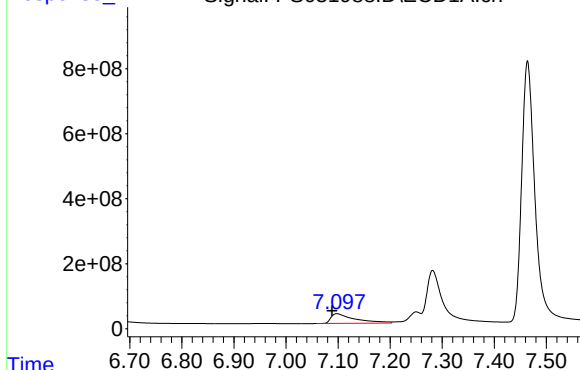
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.449 min
Delta R.T.: 0.001 min
Response: 4681605458
Conc: 665.11 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.697 min
Delta R.T.: 0.004 min
Response: 1384788928
Conc: 663.89 ng/ml



R.T.: 7.098 min
Delta R.T.: 0.010 min
Response: 948501986
Conc: 710.66 ng/ml

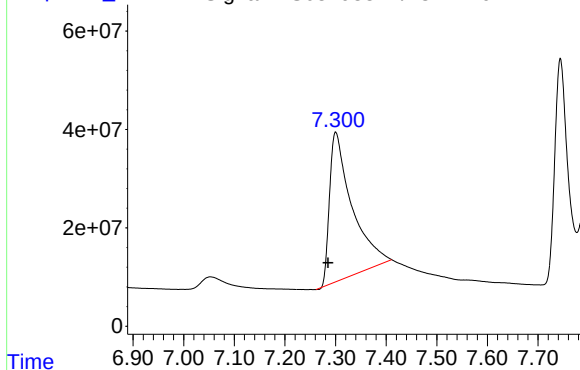
Instrument :
ECD_S
ClientSampleId :
ICVPS101325

Time

Response_

Signal: PS031988.D\ECD2B.ch

#3 4-Nitrophenol



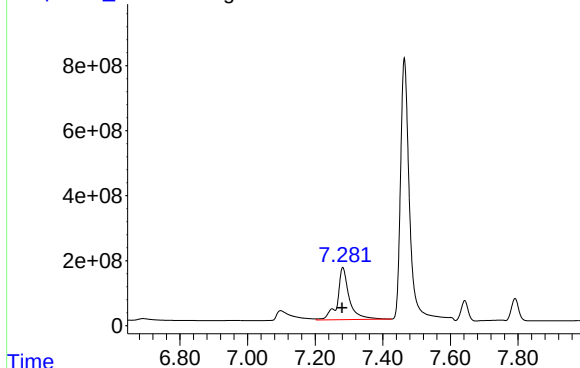
R.T.: 7.300 min
Delta R.T.: 0.015 min
Response: 934814800
Conc: 616.06 ng/ml

Time

Response_

Signal: PS031988.D\ECD1A.ch

#4 2,4-DCAA



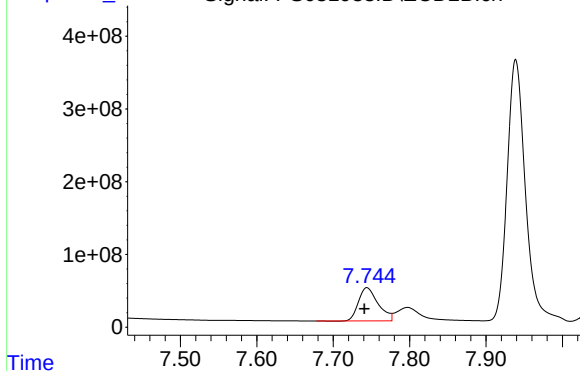
R.T.: 7.282 min
Delta R.T.: 0.002 min
Response: 3899320613
Conc: 817.98 ng/ml

Time

Response_

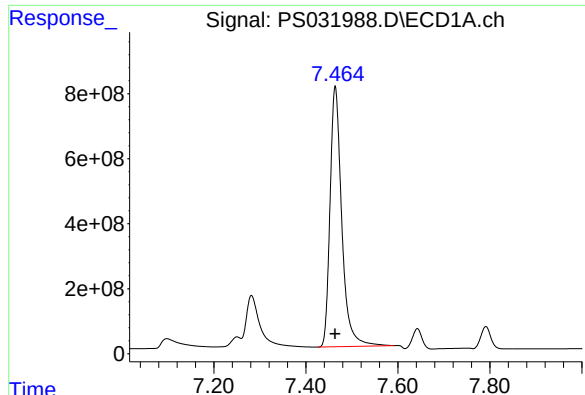
Signal: PS031988.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.744 min
Delta R.T.: 0.003 min
Response: 818966987
Conc: 744.29 ng/ml

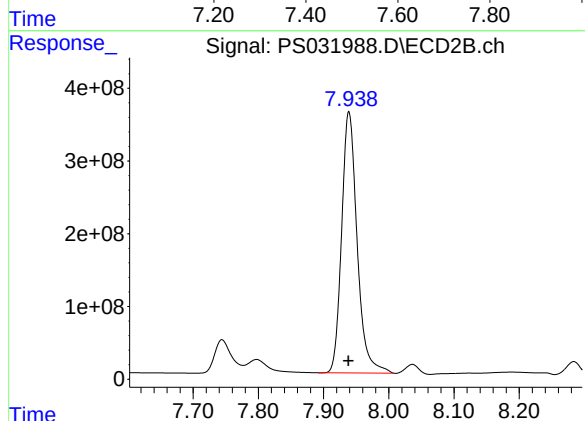
Time



#5 DICAMBA

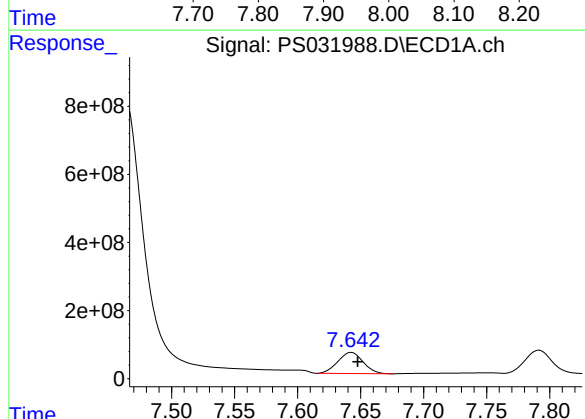
R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 14174135271
Conc: 676.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



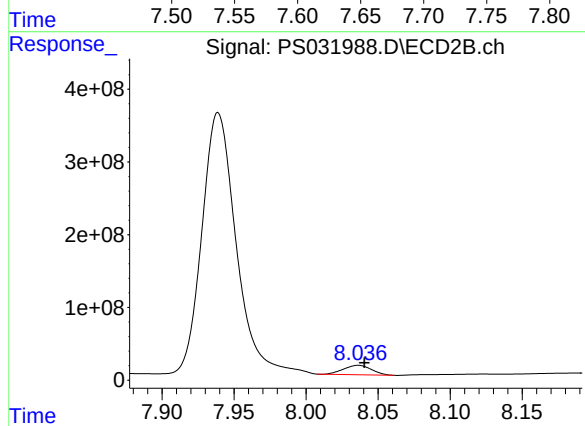
#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 5935588049
Conc: 685.33 ng/ml



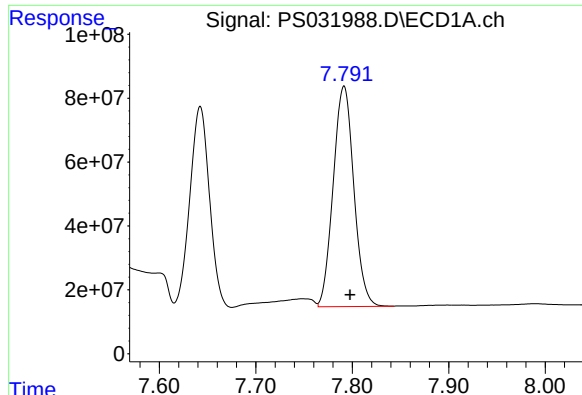
#6 MCP

R.T.: 7.642 min
Delta R.T.: -0.005 min
Response: 861177482
Conc: 70.42 ug/ml



#6 MCP

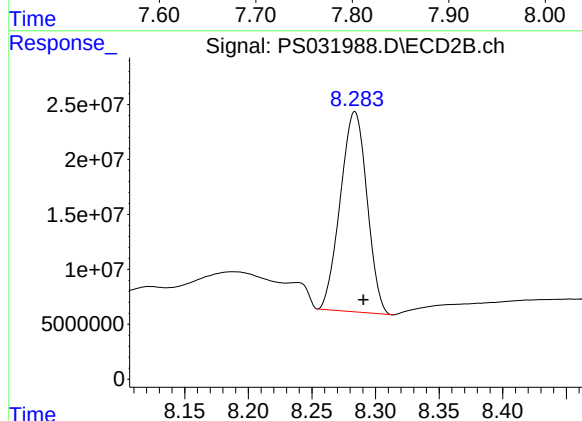
R.T.: 8.036 min
Delta R.T.: -0.004 min
Response: 173976247
Conc: 70.09 ug/ml



#7 MCPA

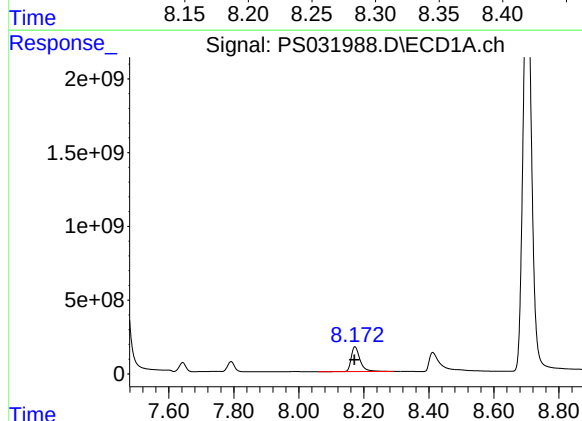
R.T.: 7.791 min
Delta R.T.: -0.006 min
Response: 1024405767
Conc: 69.61 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



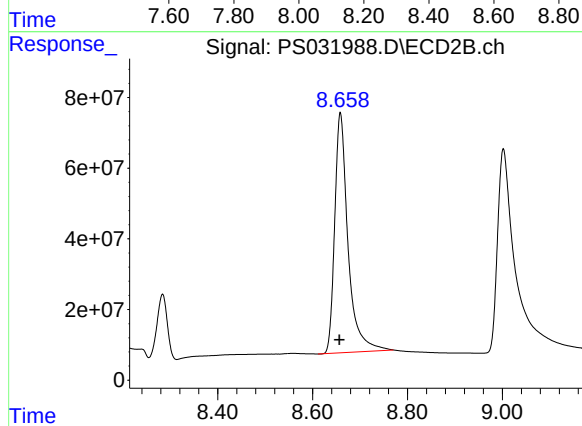
#7 MCPA

R.T.: 8.284 min
Delta R.T.: -0.007 min
Response: 265833734
Conc: 70.47 ug/ml



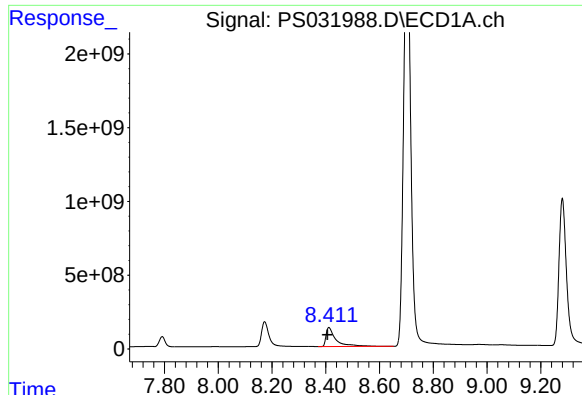
#8 DICHLORPROP

R.T.: 8.172 min
Delta R.T.: 0.002 min
Response: 3152751935
Conc: 663.16 ng/ml



#8 DICHLORPROP

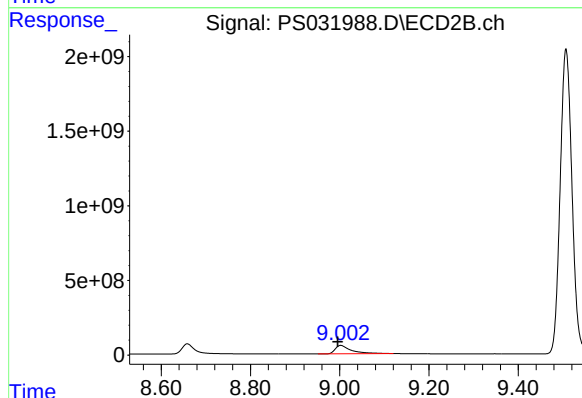
R.T.: 8.659 min
Delta R.T.: 0.002 min
Response: 1323601939
Conc: 675.91 ng/ml



#9 2,4-D

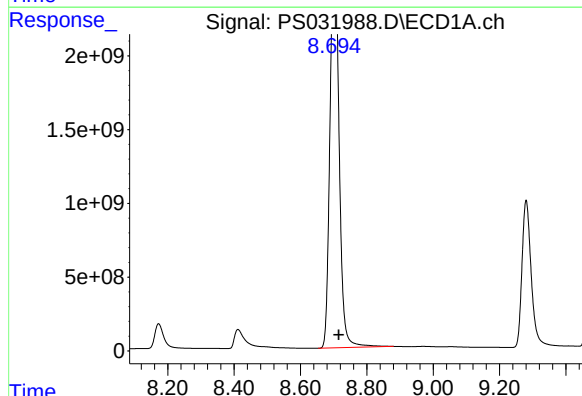
R.T.: 8.412 min
Delta R.T.: 0.006 min
Response: 3298470004
Conc: 679.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



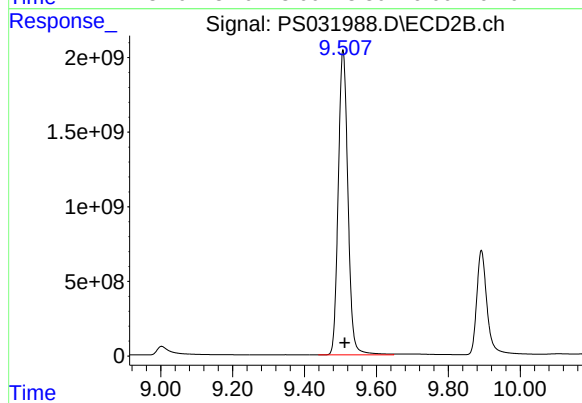
#9 2,4-D

R.T.: 9.002 min
Delta R.T.: 0.007 min
Response: 1416223584
Conc: 681.43 ng/ml



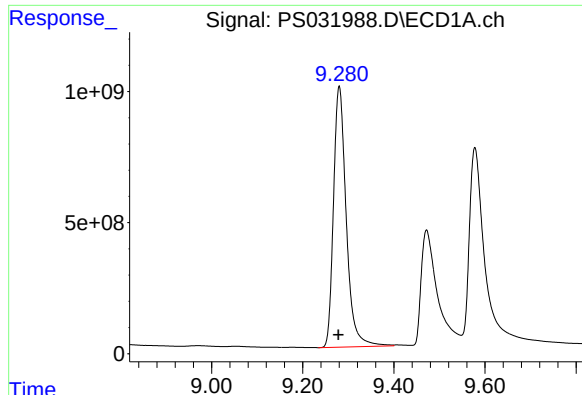
#10 Pentachlorophenol

R.T.: 8.704 min
Delta R.T.: -0.012 min
Response: 47578056967
Conc: 708.86 ng/ml



#10 Pentachlorophenol

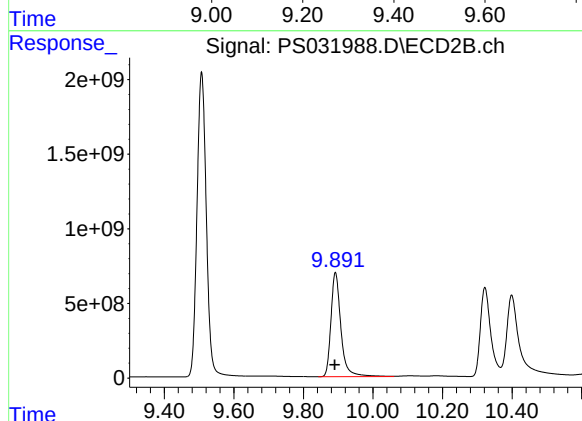
R.T.: 9.507 min
Delta R.T.: -0.005 min
Response: 38063550862
Conc: 734.48 ng/ml



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

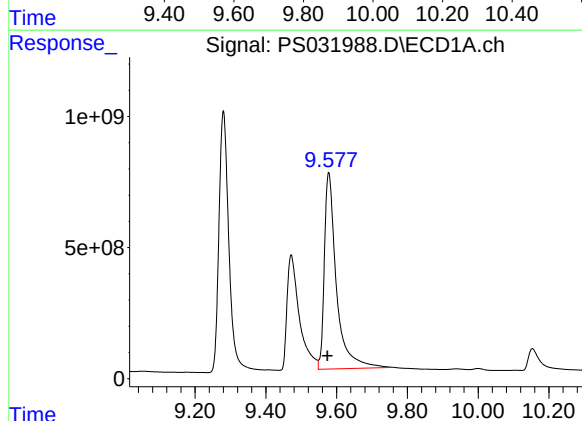
R.T.: 9.280 min
Delta R.T.: 0.002 min
Response: 19309126917
Conc: 683.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



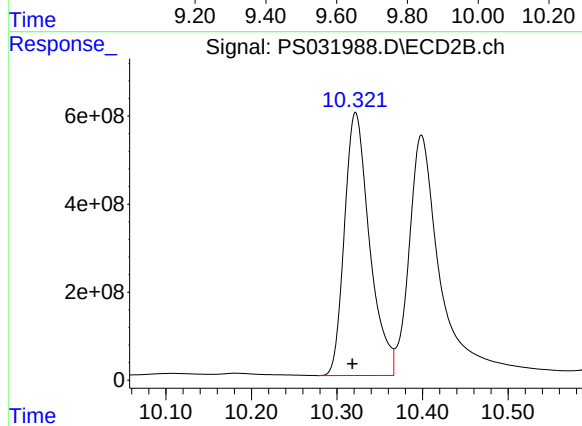
#11 2,4,5-TP (SILVEX)

R.T.: 9.892 min
Delta R.T.: 0.002 min
Response: 13923252187
Conc: 693.57 ng/ml



#12 2,4,5-T

R.T.: 9.578 min
Delta R.T.: 0.004 min
Response: 17727294655
Conc: 702.23 ng/ml



#12 2,4,5-T

R.T.: 10.322 min
Delta R.T.: 0.004 min
Response: 12182867320
Conc: 710.59 ng/ml

Response_ Signal: PS031988.D\ECD1A.ch

#13 2,4-DB

R.T.: 10.153 min
Delta R.T.: 0.005 min
Response: 2241018944
Conc: 722.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325

Time

Response_ Signal: PS031988.D\ECD2B.ch

#13 2,4-DB

R.T.: 10.889 min
Delta R.T.: 0.004 min
Response: 935993158
Conc: 724.40 ng/ml

Time

Response_ Signal: PS031988.D\ECD1A.ch

#14 DINOSEB

R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 14971657617
Conc: 671.35 ng/ml

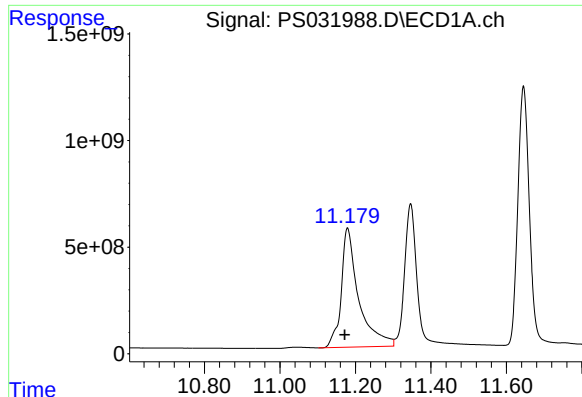
Time

Response_ Signal: PS031988.D\ECD2B.ch

#14 DINOSEB

R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 10405452334
Conc: 684.43 ng/ml

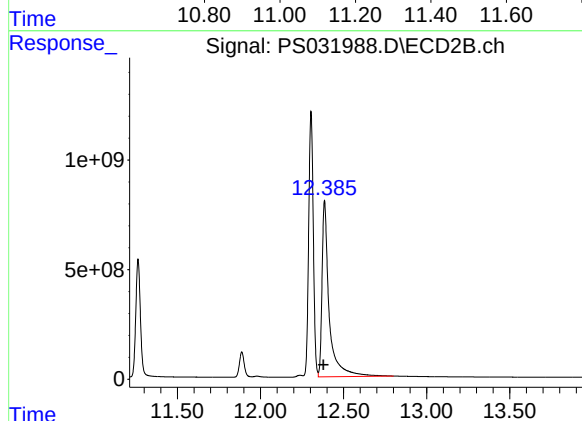
Time



#15 Picloram

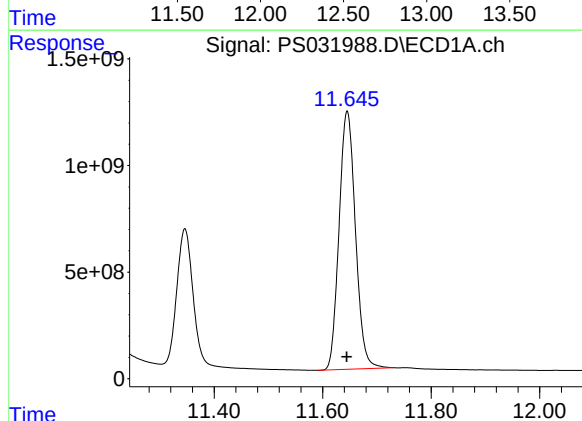
R.T.: 11.179 min
Delta R.T.: 0.007 min
Response: 17978975957
Conc: 762.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



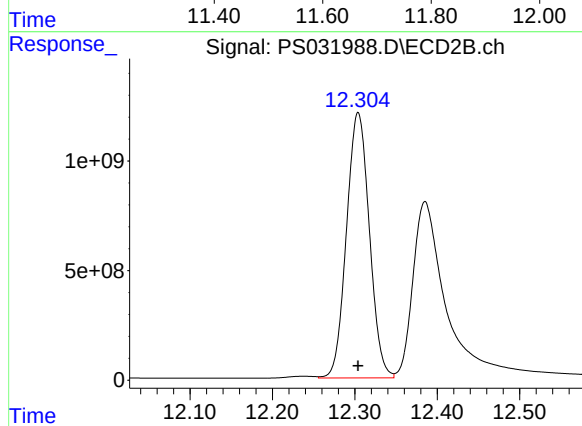
#15 Picloram

R.T.: 12.385 min
Delta R.T.: 0.006 min
Response: 24070249019
Conc: 723.00 ng/ml



#16 DCPA

R.T.: 11.645 min
Delta R.T.: 0.000 min
Response: 25388418265
Conc: 691.03 ng/ml



#16 DCPA

R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 23363780948
Conc: 703.48 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: AllianceContract: ICES02Lab Code: ACESDG NO.: Q3399Continuing Calib Date: 10/23/2025Initial Calibration Date(s): 10/13/2025 10/13/2025Continuing Calib Time: 10:04Initial Calibration Time(s): 10:53 12:29GC 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)	9.28	9.28	9.18	9.38	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: AllianceContract: ICES02Lab Code: ACESDG NO.: Q3399Continuing Calib Date: 10/23/2025Initial Calibration Date(s): 10/13/2025 10/13/2025Continuing Calib Time: 10:04Initial Calibration Time(s): 10:53 12:29GC 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	9.89	9.79	9.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/13/2025 10/13/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032132.D **Time Analyzed:** 10:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.276	9.180	9.380	768.020	712.500	7.8
2,4-D	8.409	8.312	8.512	751.270	705.000	6.6
2,4-DCAA	7.280	7.182	7.382	810.260	750.000	8.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3399

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/13/2025 10/13/2025

Client Sample No.: CCAL01 Date Analyzed: 10/23/2025

Lab Sample No.: HSTDCCC750 Data File : PS032132.D Time Analyzed: 10:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.892	9.792	9.992	773.160	712.500	8.5
2,4-D	9.001	8.902	9.102	774.470	705.000	9.9
2,4-DCAA	7.744	7.644	7.844	877.970	750.000	17.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 10:04
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 17:30:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.280	7.744	3862.5E6	966.1E6	810.260	877.967
Target Compounds							
1) T	Dalapon	2.659	2.686	5527.8E6	2849.3E6	715.340	758.154
2) T	3,5-DICHL...	6.447	6.697	5344.4E6	1513.0E6	759.277	725.351
3) T	4-Nitroph...	7.097	7.300	961.8E6	1235.9E6	720.595	814.467
5) T	DICAMBA	7.462	7.939	16333.1E6	6635.8E6	779.906	766.180
6) T	MCPD	7.641	8.036	997.9E6	203.0E6	81.604	81.761
7) T	MCPA	7.789	8.285	1207.5E6	308.2E6	82.054	81.703
8) T	DICHLORPROP	8.170	8.658	3517.5E6	1480.6E6	739.890	756.084
9) T	2,4-D	8.409	9.001	3648.1E6	1609.6E6	751.274	774.466
10) T	Pentachlo...	8.706	9.507	50624.5E6	42358.3E6	754.245	817.351
11) T	2,4,5-TP ...	9.276	9.892	21690.4E6	15521.1E6	768.019	773.160
12) T	2,4,5-T	9.576	10.321	20176.2E6	13643.8E6	799.239	795.803
13) T	2,4-DB	10.152	10.889	2239.8E6	1040.8E6	722.457	805.496
14) T	DINOSEB	11.343	11.263	16678.9E6	11814.6E6	747.902	777.116
15) T	Picloram	11.178	12.387	18406.1E6	24561.7E6	780.652	737.765
16) T	DCPA	11.642	12.304	27879.2E6	25574.3E6	758.819	770.040

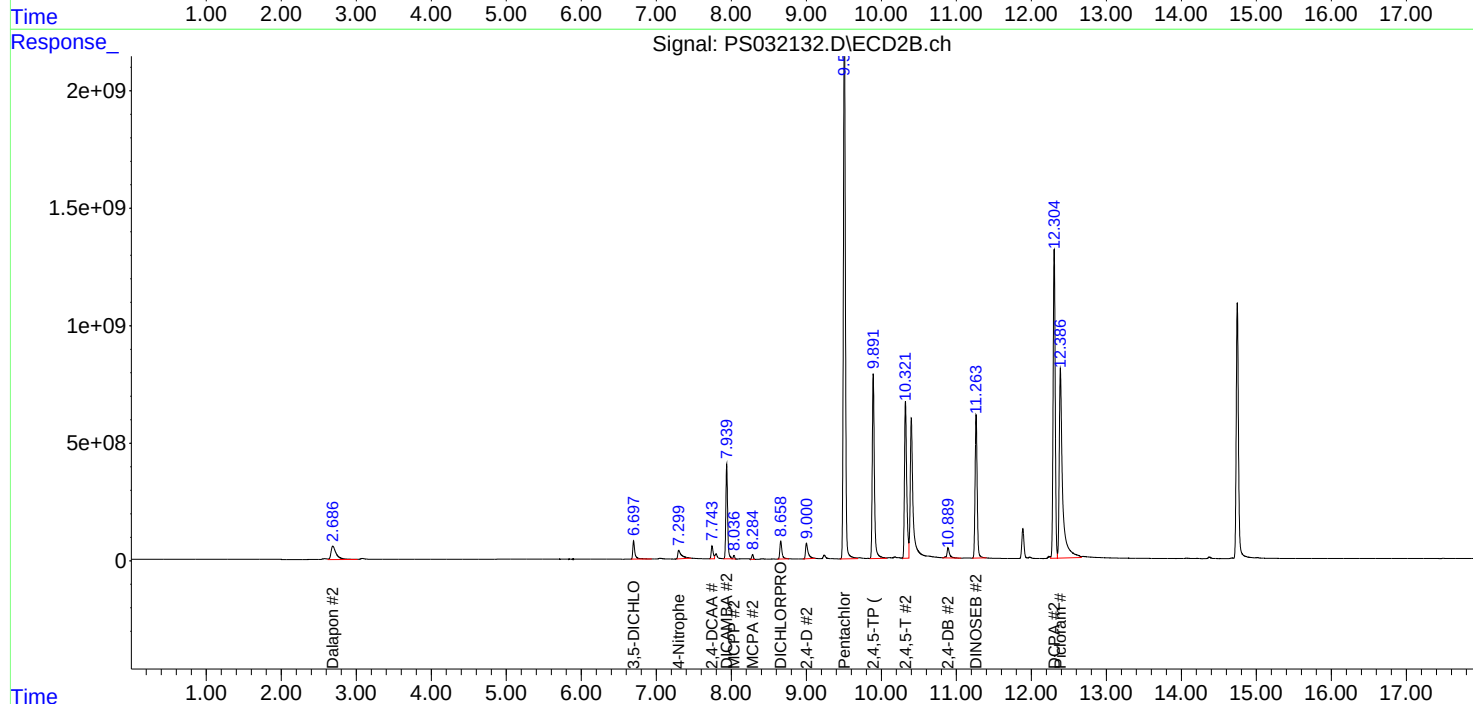
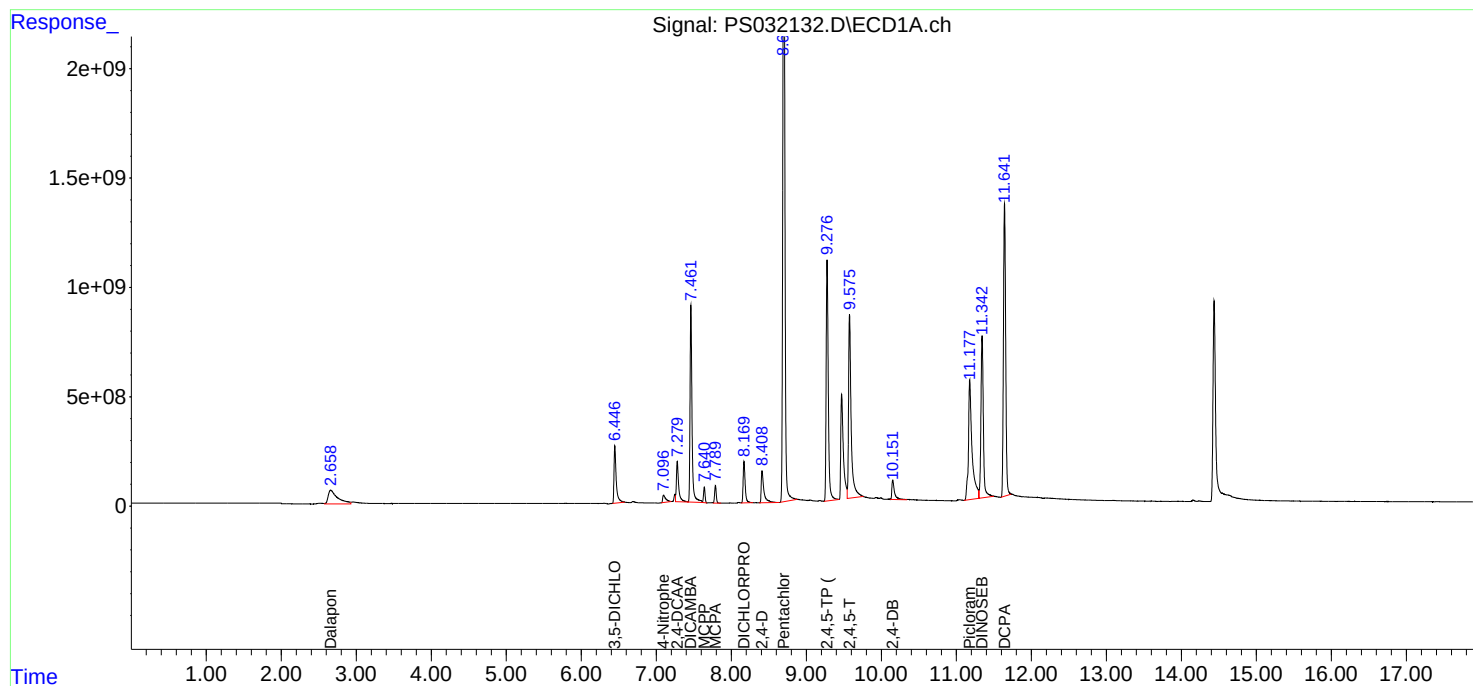
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

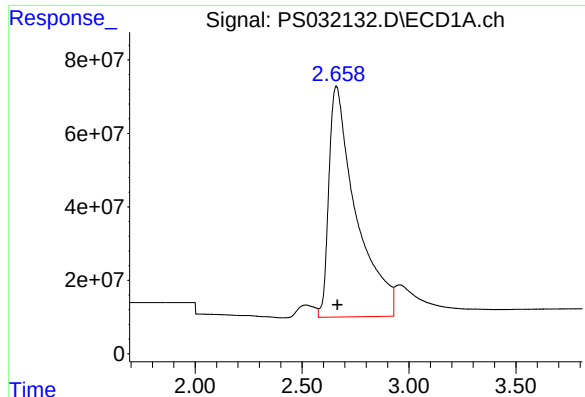
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 10:04
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 17:30:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

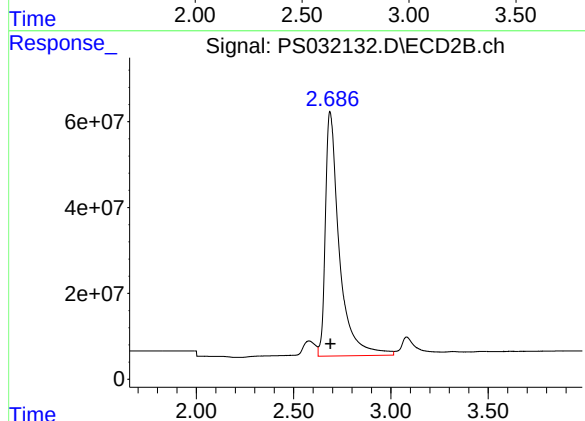




#1 Dalapon

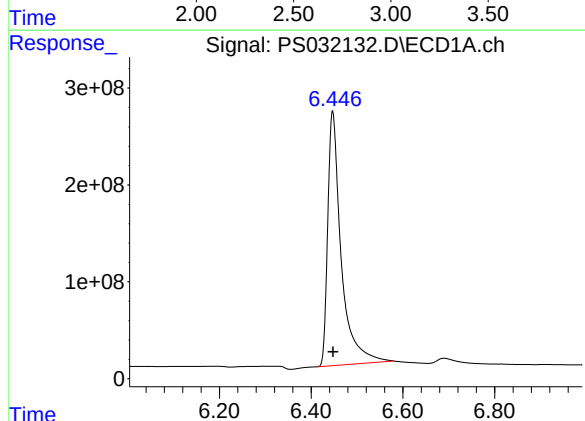
R.T.: 2.659 min
Delta R.T.: -0.006 min
Response: 5527812426
Conc: 715.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



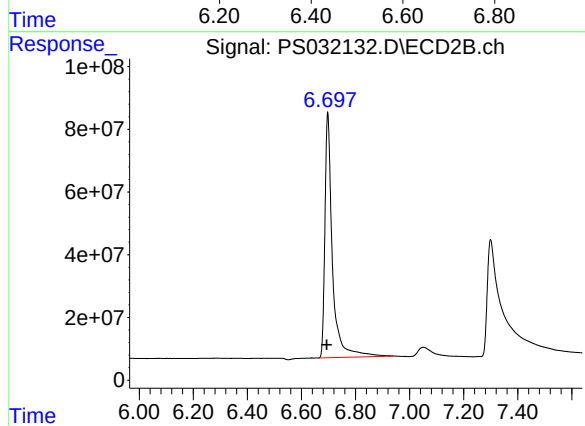
#1 Dalapon

R.T.: 2.686 min
Delta R.T.: -0.003 min
Response: 2849345626
Conc: 758.15 ng/ml



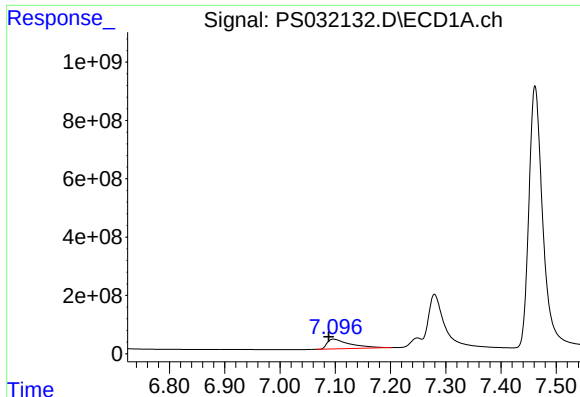
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.447 min
Delta R.T.: 0.000 min
Response: 5344448931
Conc: 759.28 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

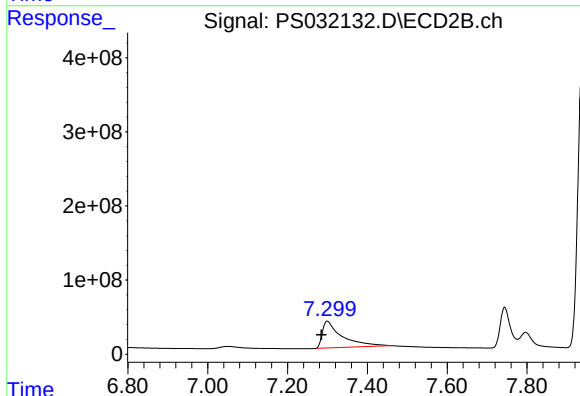
R.T.: 6.697 min
Delta R.T.: 0.004 min
Response: 1512997176
Conc: 725.35 ng/ml



#3 4-Nitrophenol

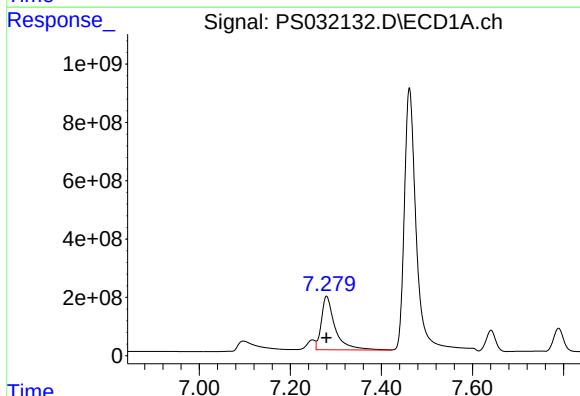
R.T.: 7.097 min
Delta R.T.: 0.008 min
Response: 961766692
Conc: 720.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



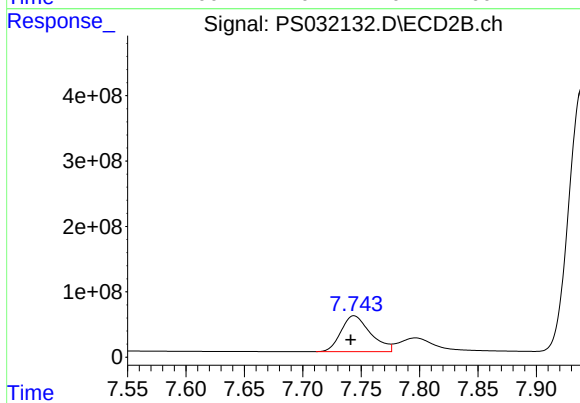
#3 4-Nitrophenol

R.T.: 7.300 min
Delta R.T.: 0.014 min
Response: 1235881716
Conc: 814.47 ng/ml



#4 2,4-DCAA

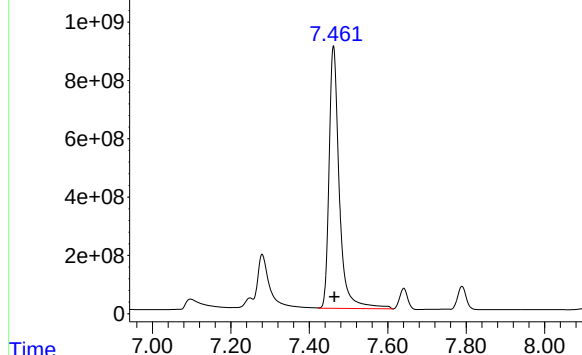
R.T.: 7.280 min
Delta R.T.: 0.000 min
Response: 3862535790
Conc: 810.26 ng/ml



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: 0.003 min
Response: 966062484
Conc: 877.97 ng/ml

Response_ Signal: PS032132.D\ECD1A.ch

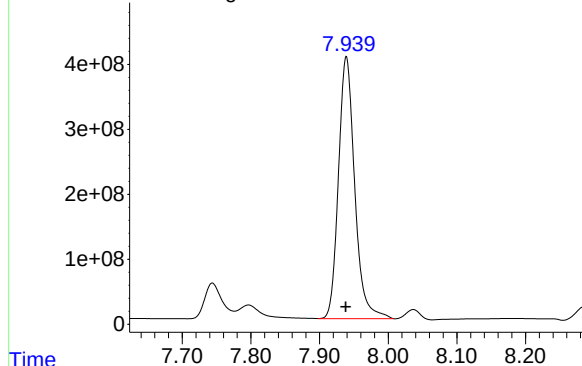


#5 DICAMBA

R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 16333088546
Conc: 779.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

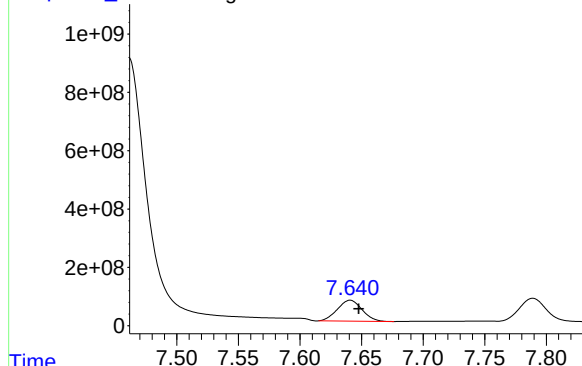
Time Response_ Signal: PS032132.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 6635800045
Conc: 766.18 ng/ml

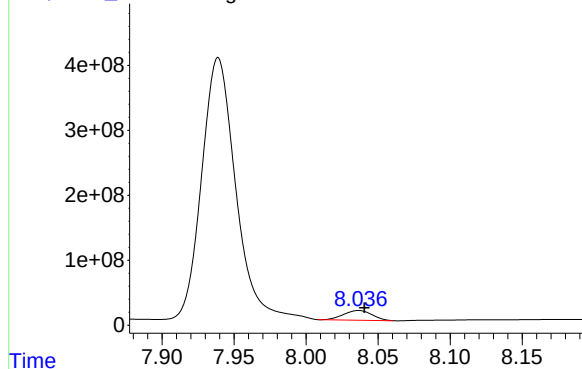
Time Response_ Signal: PS032132.D\ECD1A.ch



#6 MCP

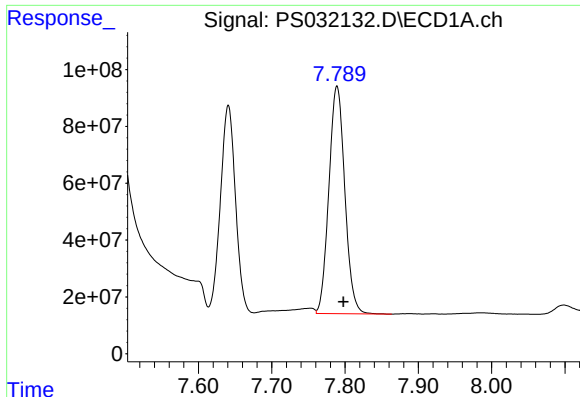
R.T.: 7.641 min
Delta R.T.: -0.007 min
Response: 997891822
Conc: 81.60 ug/ml

Time Response_ Signal: PS032132.D\ECD2B.ch



#6 MCP

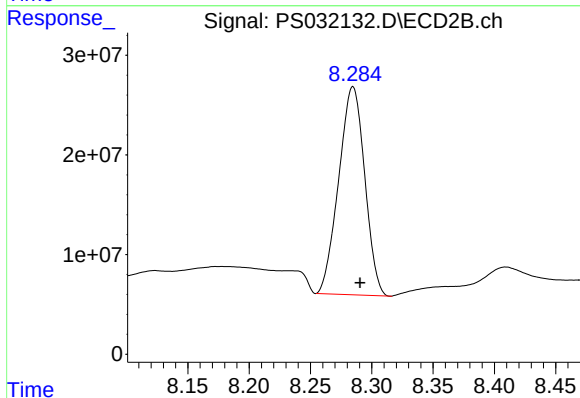
R.T.: 8.036 min
Delta R.T.: -0.004 min
Response: 202952239
Conc: 81.76 ug/ml



#7 MCPA

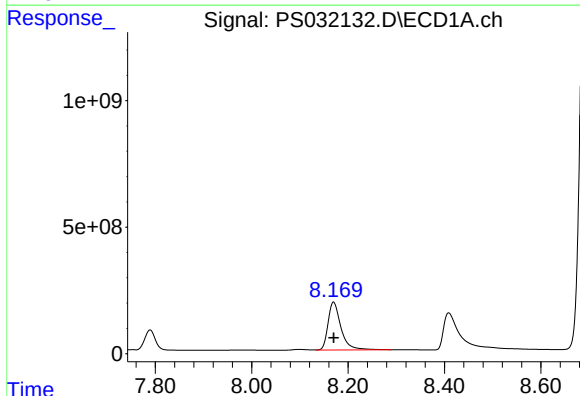
R.T.: 7.789 min
Delta R.T.: -0.009 min
Response: 1207521318
Conc: 82.05 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



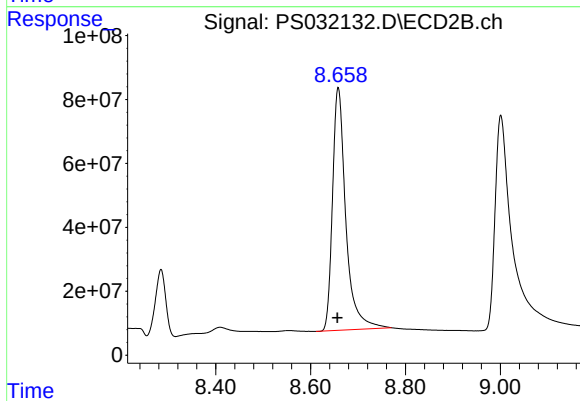
#7 MCPA

R.T.: 8.285 min
Delta R.T.: -0.006 min
Response: 308211729
Conc: 81.70 ug/ml



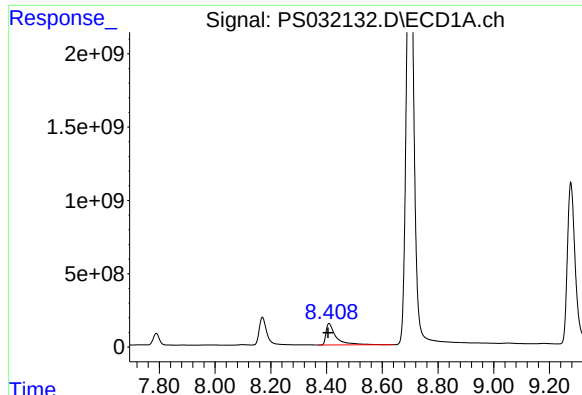
#8 DICHLORPROP

R.T.: 8.170 min
Delta R.T.: 0.000 min
Response: 3517546122
Conc: 739.89 ng/ml



#8 DICHLORPROP

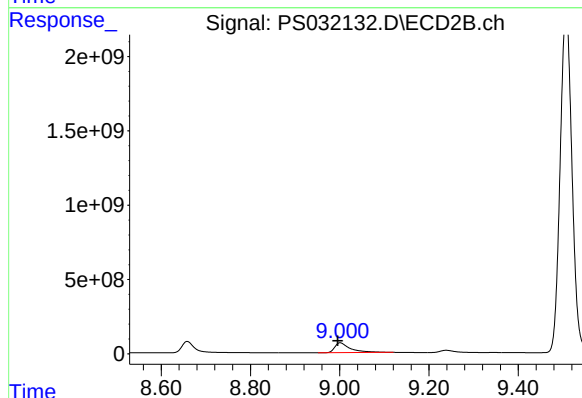
R.T.: 8.658 min
Delta R.T.: 0.002 min
Response: 1480609438
Conc: 756.08 ng/ml



#9 2,4-D

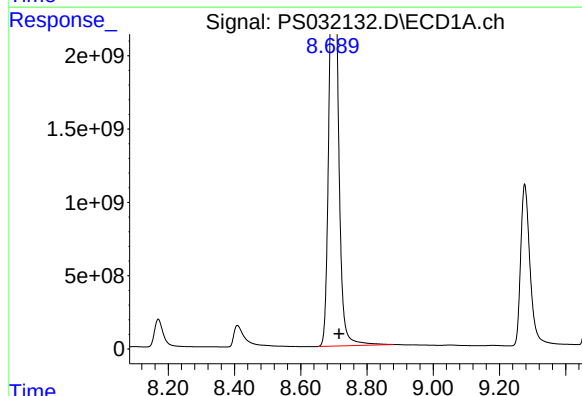
R.T.: 8.409 min
Delta R.T.: 0.002 min
Response: 3648092840
Conc: 751.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



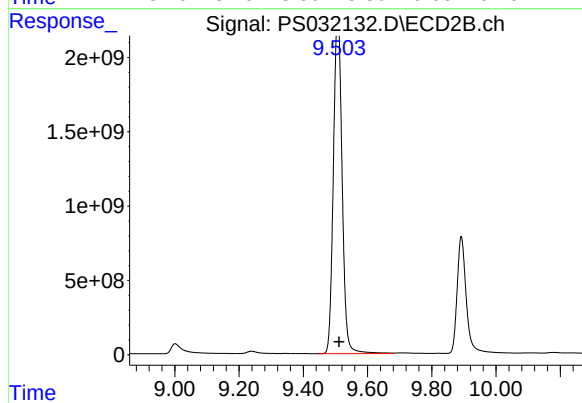
#9 2,4-D

R.T.: 9.001 min
Delta R.T.: 0.006 min
Response: 1609570743
Conc: 774.47 ng/ml



#10 Pentachlorophenol

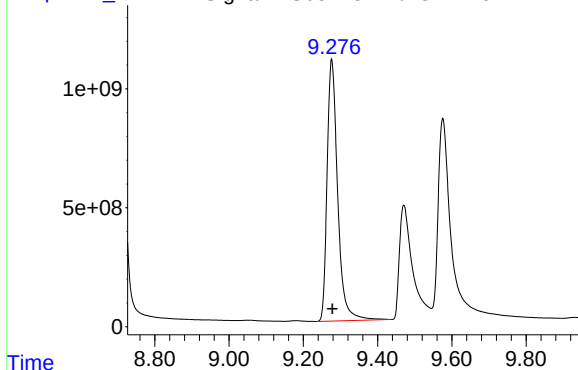
R.T.: 8.706 min
Delta R.T.: -0.009 min
Response: 50624521904
Conc: 754.24 ng/ml



#10 Pentachlorophenol

R.T.: 9.507 min
Delta R.T.: -0.005 min
Response: 42358276700
Conc: 817.35 ng/ml

Response_ Signal: PS032132.D\ECD1A.ch

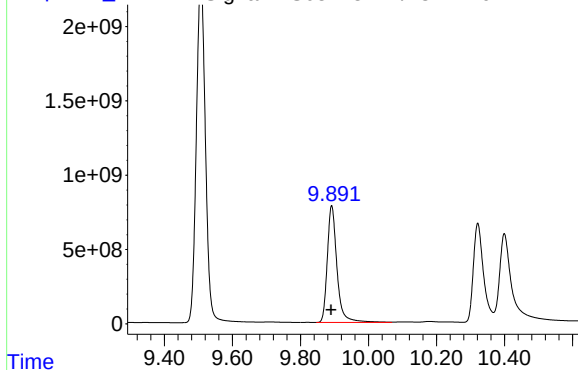


#11 2,4,5-TP (SILVEX)

R.T.: 9.276 min
Delta R.T.: -0.002 min
Response: 21690409303
Conc: 768.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

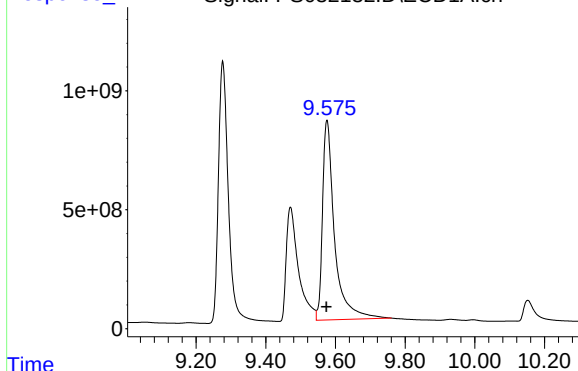
Response_ Signal: PS032132.D\ECD2B.ch



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

R.T.: 9.892 min
Delta R.T.: 0.002 min
Response: 15521071971
Conc: 773.16 ng/ml

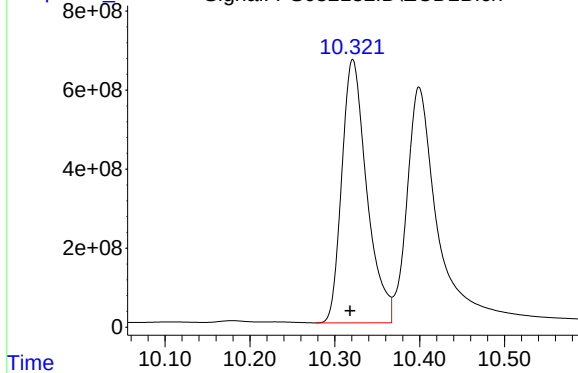
Response_ Signal: PS032132.D\ECD1A.ch



#12 2,4,5-T

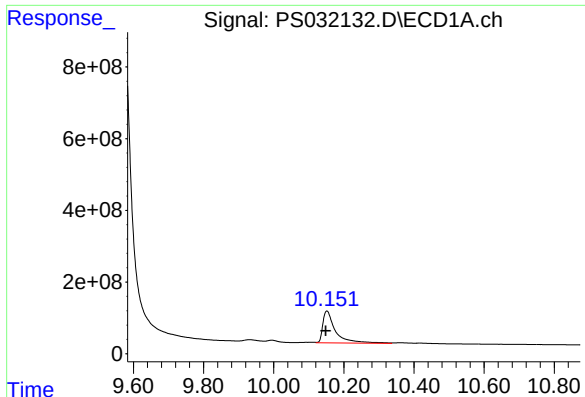
R.T.: 9.576 min
Delta R.T.: 0.001 min
Response: 20176208068
Conc: 799.24 ng/ml

Response_ Signal: PS032132.D\ECD2B.ch



#12 2,4,5-T

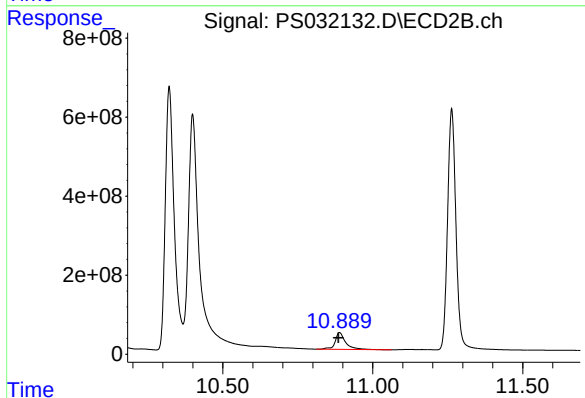
R.T.: 10.321 min
Delta R.T.: 0.003 min
Response: 13643791866
Conc: 795.80 ng/ml



#13 2,4-DB

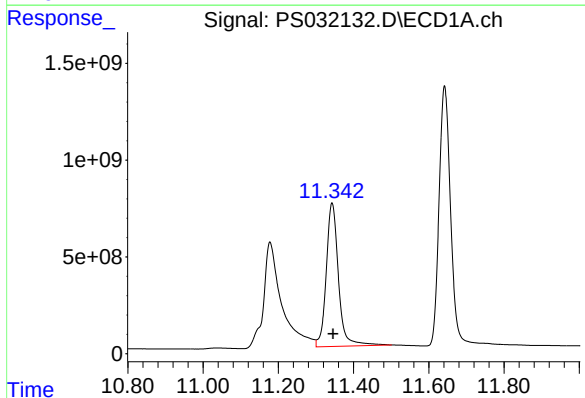
R.T.: 10.152 min
Delta R.T.: 0.003 min
Response: 2239846485
Conc: 722.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



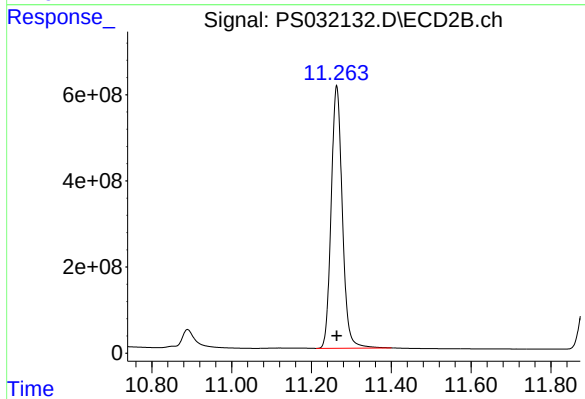
#13 2,4-DB

R.T.: 10.889 min
Delta R.T.: 0.004 min
Response: 1040773708
Conc: 805.50 ng/ml



#14 DINOSEB

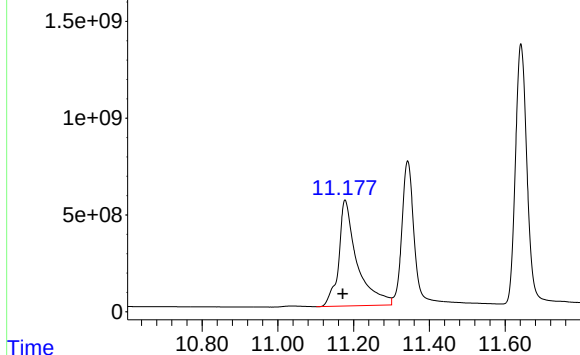
R.T.: 11.343 min
Delta R.T.: -0.003 min
Response: 16678866987
Conc: 747.90 ng/ml



#14 DINOSEB

R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 11814551781
Conc: 777.12 ng/ml

Response_ Signal: PS032132.D\ECD1A.ch

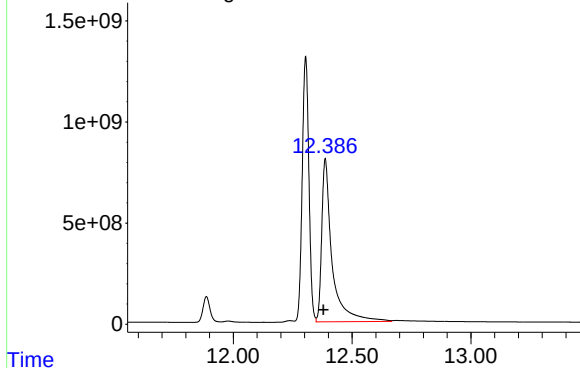


#15 Picloram

R.T.: 11.178 min
Delta R.T.: 0.006 min
Response: 18406103679
Conc: 780.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

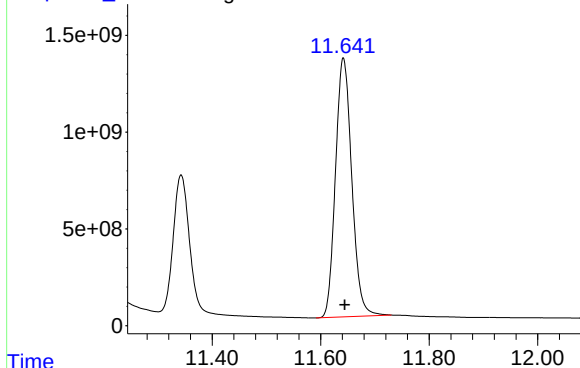
Time Response_ Signal: PS032132.D\ECD2B.ch



#15 Picloram

R.T.: 12.387 min
Delta R.T.: 0.008 min
Response: 24561670473
Conc: 737.76 ng/ml

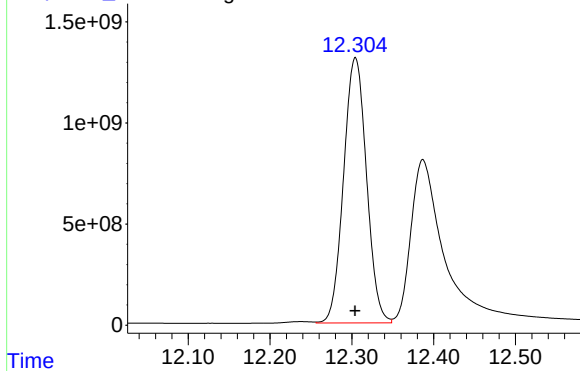
Time Response_ Signal: PS032132.D\ECD1A.ch



#16 DCPA

R.T.: 11.642 min
Delta R.T.: -0.003 min
Response: 27879181302
Conc: 758.82 ng/ml

Time Response_ Signal: PS032132.D\ECD2B.ch



#16 DCPA

R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 25574279594
Conc: 770.04 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: AllianceContract: ICES02Lab Code: ACESDG NO.: Q3399Continuing Calib Date: 10/23/2025Initial Calibration Date(s): 10/13/2025 10/13/2025Continuing Calib Time: 15:00Initial Calibration Time(s): 10:53 12:29GC 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)	9.28	9.28	9.18	9.38	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: AllianceContract: ICES02Lab Code: ACESDG NO.: Q3399Continuing Calib Date: 10/23/2025Initial Calibration Date(s): 10/13/2025 10/13/2025Continuing Calib Time: 15:00Initial Calibration Time(s): 10:53 12:29GC 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	9.89	9.79	9.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/13/2025 10/13/2025
Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032144.D **Time Analyzed:** 15:00

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.277	9.180	9.380	756.490	712.500	6.2
2,4-D	8.407	8.312	8.512	764.020	705.000	8.4
2,4-DCAA	7.279	7.182	7.382	794.670	750.000	6.0



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3399

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/13/2025 10/13/2025

Client Sample No.: CCAL02 Date Analyzed: 10/23/2025

Lab Sample No.: HSTDCCC750 Data File : PS032144.D Time Analyzed: 15:00

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.892	9.792	9.992	756.750	712.500	6.2
2,4-D	9.000	8.902	9.102	778.940	705.000	10.5
2,4-DCAA	7.743	7.644	7.844	878.420	750.000	17.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
 Data File : PS032144.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 15:00
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 04:41:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.279	7.743	3788.2E6	966.6E6	794.665	878.421
Target Compounds							
1) T	Dalapon	2.658	2.687	5318.5E6	2715.5E6	688.253	722.545
2) T	3,5-DICHL...	6.446	6.696	5262.9E6	1482.6E6	747.692	710.777
3) T	4-Nitroph...	7.091	7.296	1052.6E6	1147.3E6	788.660m	756.081
5) T	DICAMBA	7.462	7.939	15912.1E6	6523.6E6	759.803	753.229
6) T	MCPD	7.641	8.036	963.9E6	199.8E6	78.825	80.503
7) T	MCPA	7.790	8.284	1194.7E6	294.2E6	81.181	77.995
8) T	DICHLORPROP	8.170	8.658	3466.2E6	1457.0E6	729.087	744.023
9) T	2,4-D	8.407	9.000	3710.0E6	1618.9E6	764.016	778.945
10) T	Pentachlo...	8.702	9.507	50305.8E6	41582.6E6	749.497	802.383
11) T	2,4,5-TP ...	9.277	9.892	21364.8E6	15191.6E6	756.490	756.749
12) T	2,4,5-T	9.575	10.321	20073.8E6	13603.3E6	795.183	793.443
13) T	2,4-DB	10.150	10.889	2353.4E6	1028.0E6	759.074	795.647
14) T	DINOSEB	11.343	11.264	15745.2E6	11228.4E6	706.036	738.561
15) T	Picloram	11.175	12.386	19049.9E6	23718.4E6	807.959	712.434
16) T	DCPA	11.643	12.305	27407.4E6	24953.8E6	745.978	751.357

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:00
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

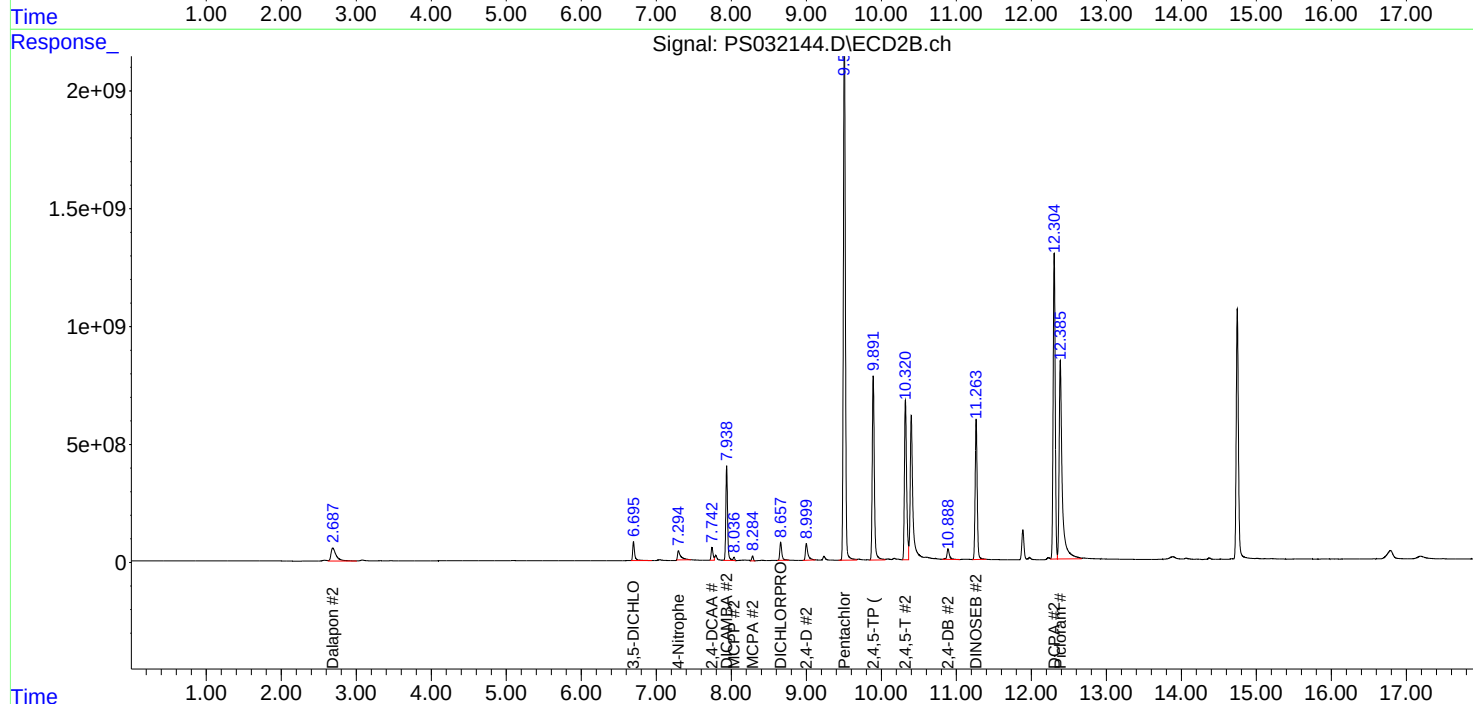
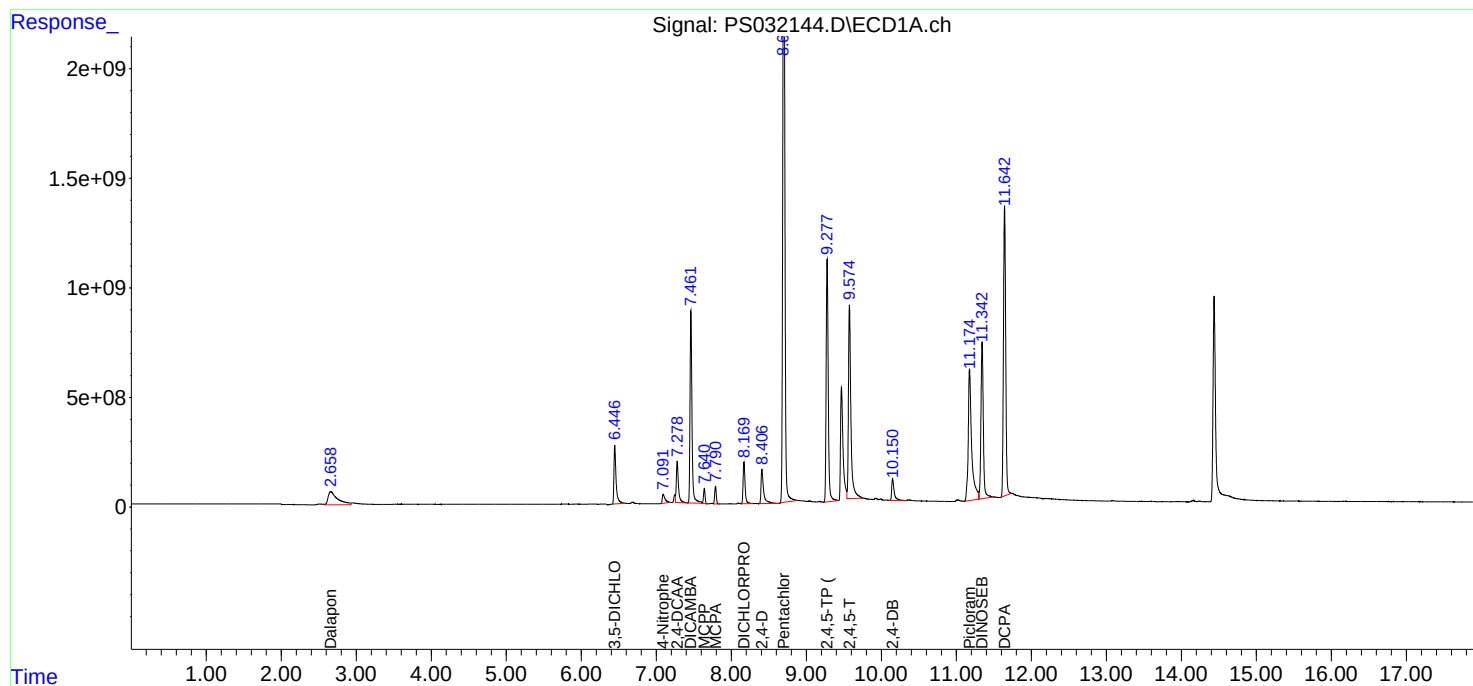
APPROVED

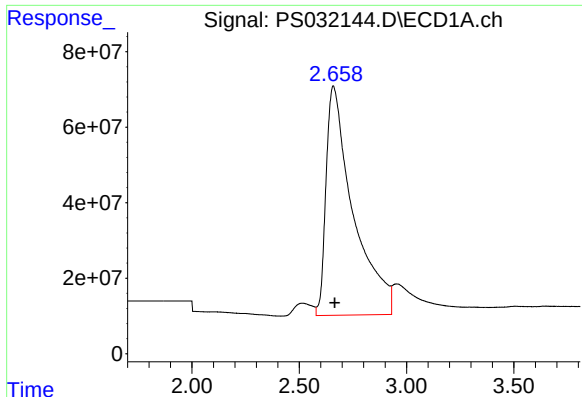
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:41:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





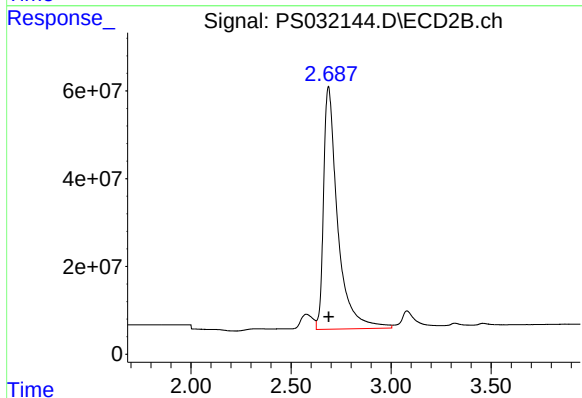
#1 Dalapon

R.T.: 2.658 min
Delta R.T.: -0.007 min
Response: 5318498428
Conc: 688.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

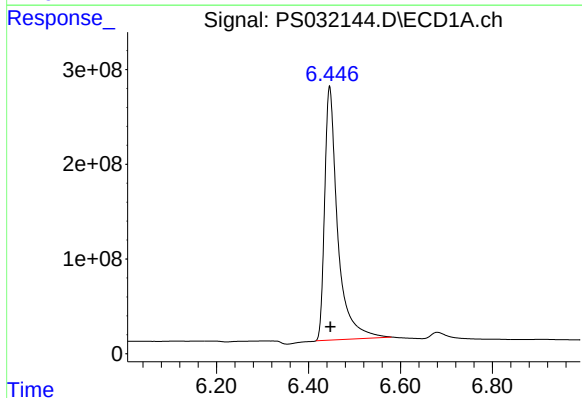
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



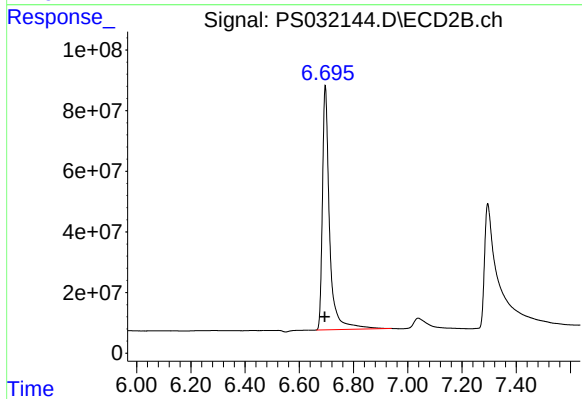
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: -0.002 min
Response: 2715519909
Conc: 722.55 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

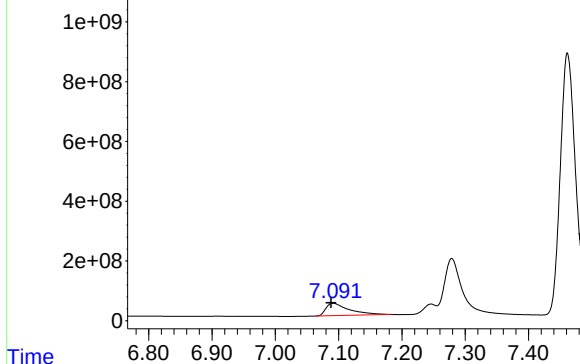
R.T.: 6.446 min
Delta R.T.: -0.001 min
Response: 5262903466
Conc: 747.69 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.696 min
Delta R.T.: 0.003 min
Response: 1482597147
Conc: 710.78 ng/ml

Response_ Signal: PS032144.D\ECD1A.ch



#3 4-Nitrophenol

R.T.: 7.091 min
Delta R.T.: 0.002 min
Response: 1052611286
Conc: 788.66 ng/ml

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

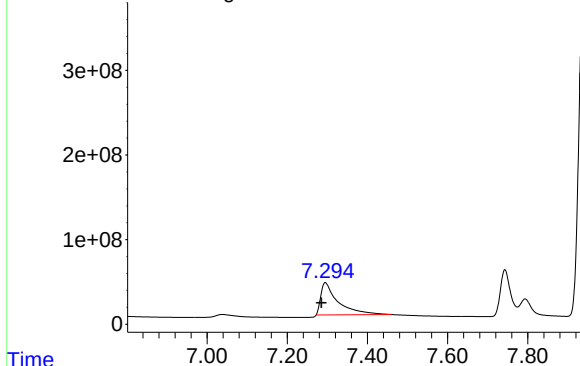
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

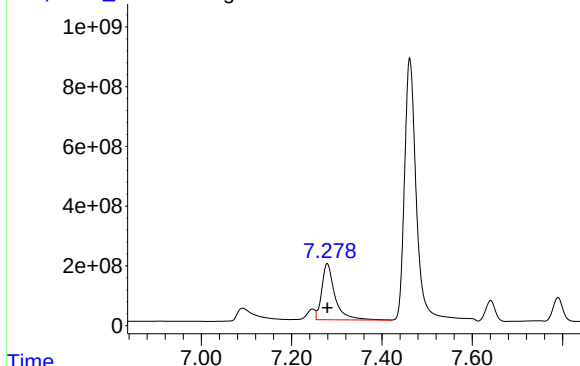
Time Response_ Signal: PS032144.D\ECD2B.ch



#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: 0.011 min
Response: 1147285546
Conc: 756.08 ng/ml

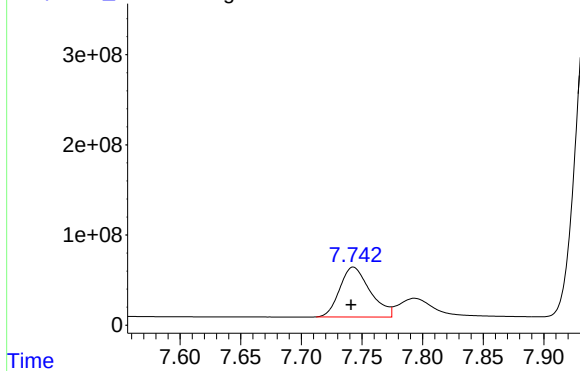
Time Response_ Signal: PS032144.D\ECD1A.ch



#4 2,4-DCAA

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 3788195905
Conc: 794.67 ng/ml

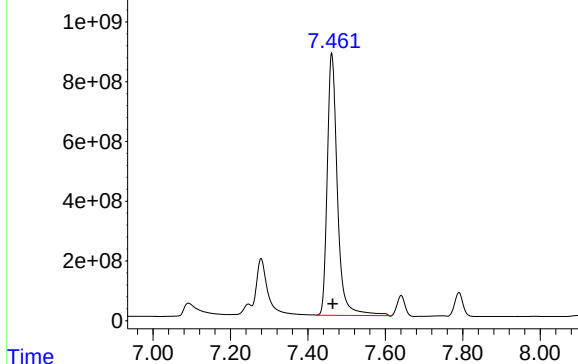
Time Response_ Signal: PS032144.D\ECD2B.ch



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: 0.002 min
Response: 966562491
Conc: 878.42 ng/ml

Response_ Signal: PS032144.D\ECD1A.ch



#5 DICAMBA

R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 15912074220
Conc: 759.80 ng/ml

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

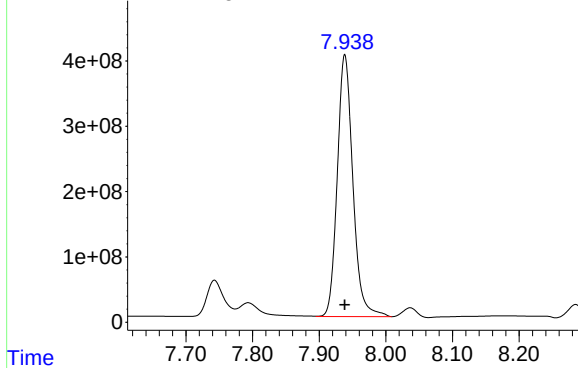
Manual Integrations

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Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

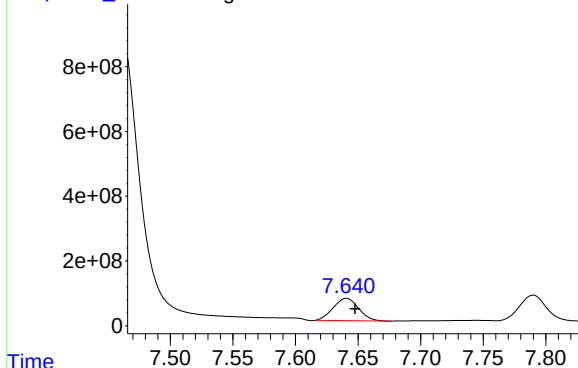
Response_ Signal: PS032144.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 6523627240
Conc: 753.23 ng/ml

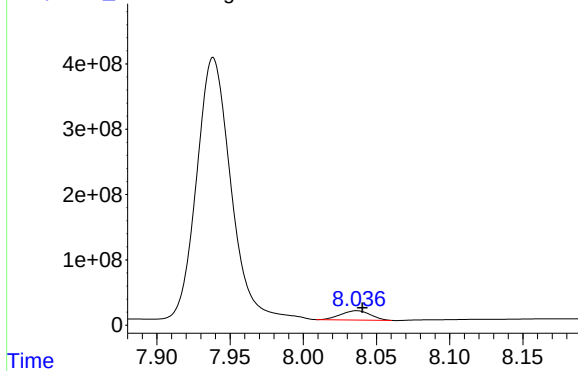
Response_ Signal: PS032144.D\ECD1A.ch



#6 MCP

R.T.: 7.641 min
Delta R.T.: -0.007 min
Response: 963904097
Conc: 78.82 ug/ml

Response_ Signal: PS032144.D\ECD2B.ch

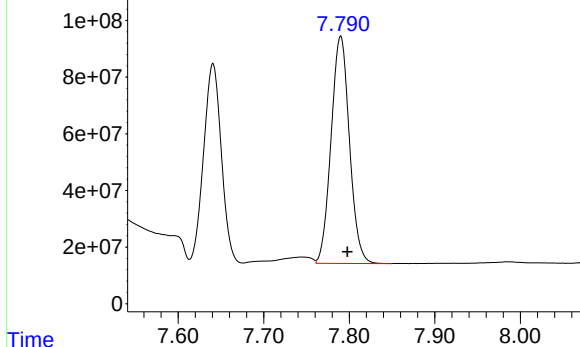


#6 MCP

R.T.: 8.036 min
Delta R.T.: -0.004 min
Response: 199829742
Conc: 80.50 ug/ml

Response_ Signal: PS032144.D\ECD1A.ch

#7 MCPA



R.T.: 7.790 min
Delta R.T.: -0.008 min
Response: 1194685171
Conc: 81.18 ug/ml

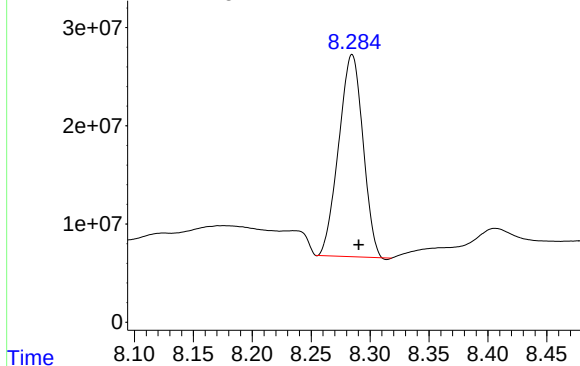
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Time Response_ Signal: PS032144.D\ECD2B.ch

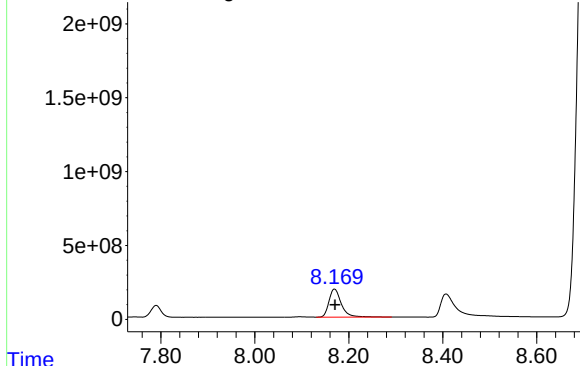
#7 MCPA



R.T.: 8.284 min
Delta R.T.: -0.006 min
Response: 294225359
Conc: 78.00 ug/ml

Response_ Signal: PS032144.D\ECD1A.ch

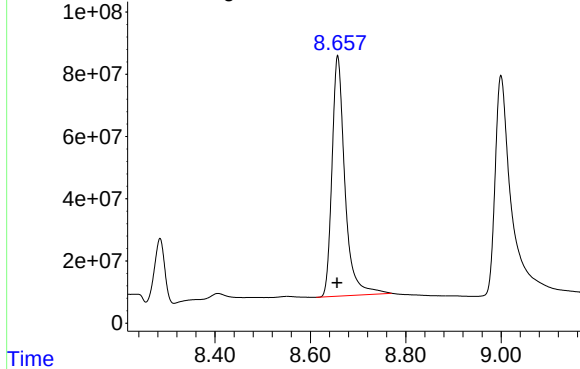
#8 DICHLORPROP



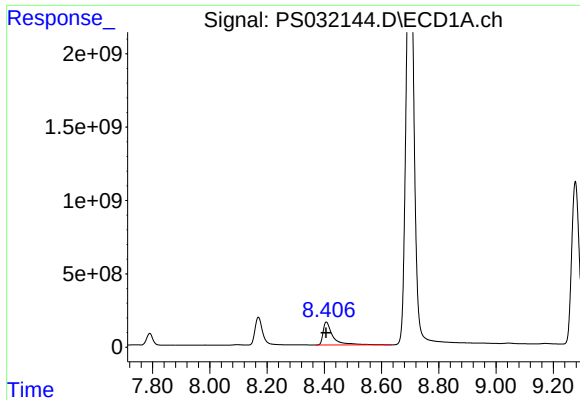
R.T.: 8.170 min
Delta R.T.: -0.001 min
Response: 3466188543
Conc: 729.09 ng/ml

Time Response_ Signal: PS032144.D\ECD2B.ch

#8 DICHLORPROP



R.T.: 8.658 min
Delta R.T.: 0.002 min
Response: 1456991258
Conc: 744.02 ng/ml



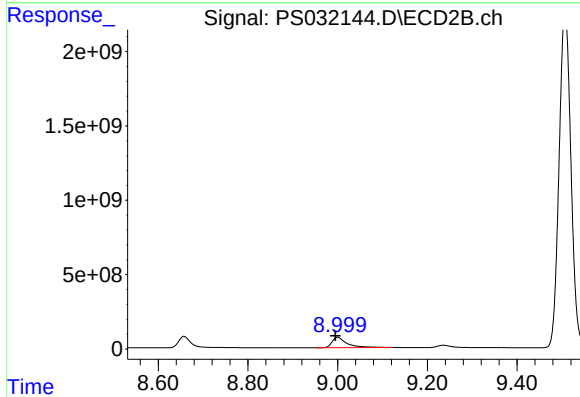
#9 2,4-D

R.T.: 8.407 min
Delta R.T.: 0.000 min
Response: 3709965086
Conc: 764.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

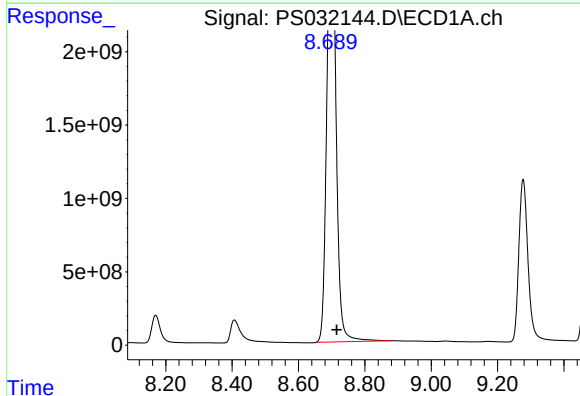
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



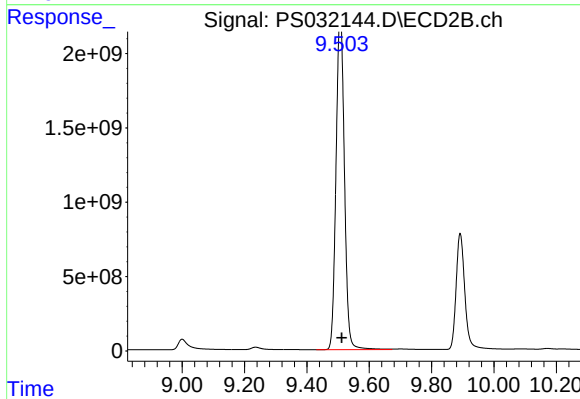
#9 2,4-D

R.T.: 9.000 min
Delta R.T.: 0.005 min
Response: 1618879373
Conc: 778.94 ng/ml



#10 Pentachlorophenol

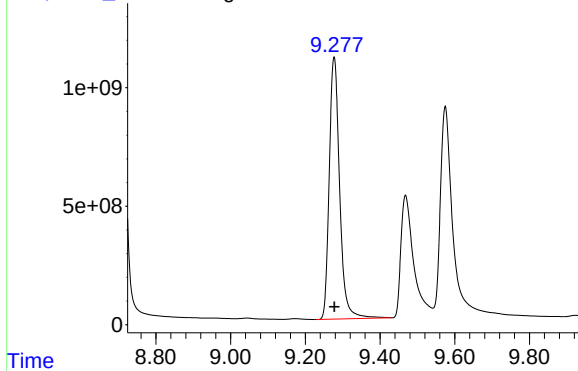
R.T.: 8.702 min
Delta R.T.: -0.013 min
Response: 50305834433
Conc: 749.50 ng/ml



#10 Pentachlorophenol

R.T.: 9.507 min
Delta R.T.: -0.005 min
Response: 41582602489
Conc: 802.38 ng/ml

Response_ Signal: PS032144.D\ECD1A.ch



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

R.T.: 9.277 min
Delta R.T.: -0.001 min
Response: 21364807012
Conc: 756.49 ng/ml

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

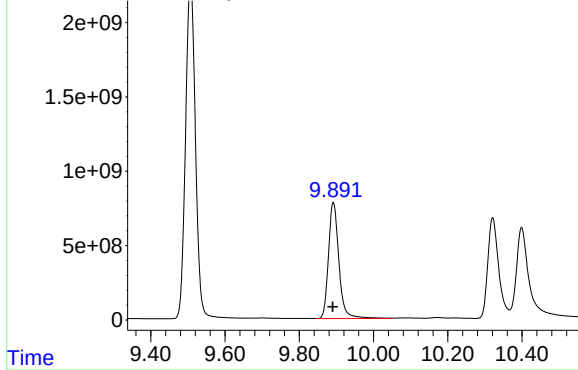
Manual Integrations

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Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

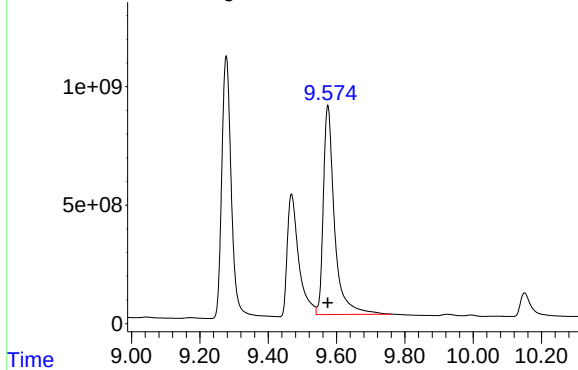
Time Response_ Signal: PS032144.D\ECD2B.ch



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

R.T.: 9.892 min
Delta R.T.: 0.002 min
Response: 15191623025
Conc: 756.75 ng/ml

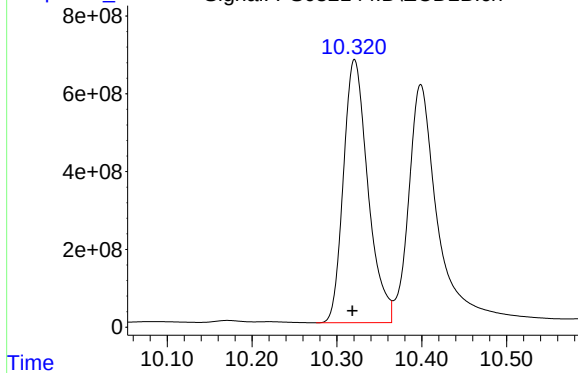
Time Response_ Signal: PS032144.D\ECD1A.ch



#12 2,4,5-T

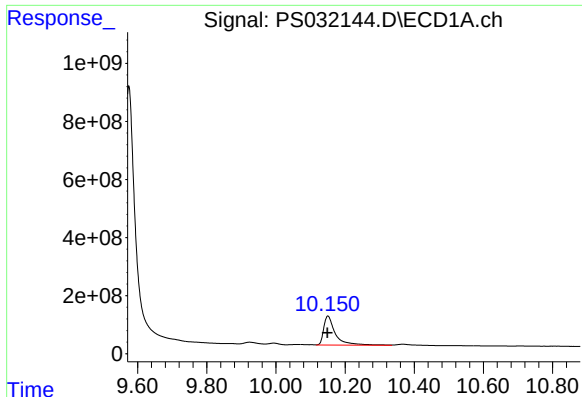
R.T.: 9.575 min
Delta R.T.: 0.000 min
Response: 20073804614
Conc: 795.18 ng/ml

Time Response_ Signal: PS032144.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.321 min
Delta R.T.: 0.003 min
Response: 13603329062
Conc: 793.44 ng/ml



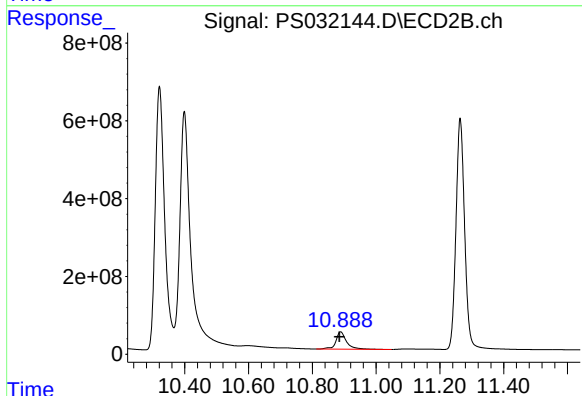
#13 2,4-DB

R.T.: 10.150 min
Delta R.T.: 0.001 min
Response: 2353370212
Conc: 759.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

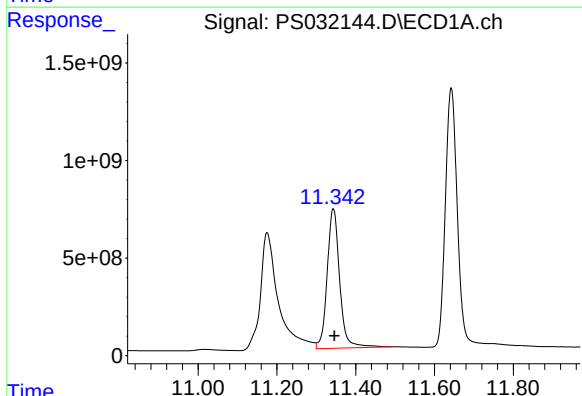
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



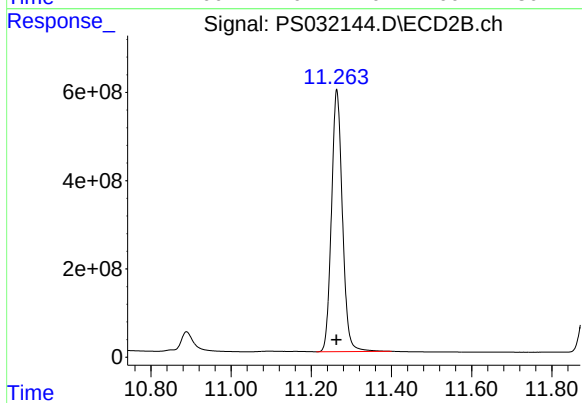
#13 2,4-DB

R.T.: 10.889 min
Delta R.T.: 0.004 min
Response: 1028048128
Conc: 795.65 ng/ml



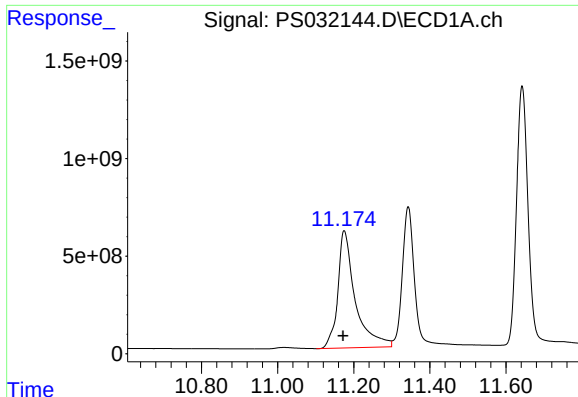
#14 DINOSEB

R.T.: 11.343 min
Delta R.T.: -0.003 min
Response: 15745214899
Conc: 706.04 ng/ml



#14 DINOSEB

R.T.: 11.264 min
Delta R.T.: 0.000 min
Response: 11228398921
Conc: 738.56 ng/ml



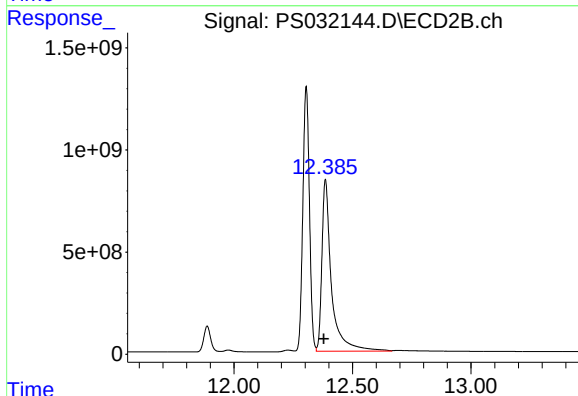
#15 Picloram

R.T.: 11.175 min
Delta R.T.: 0.003 min
Response: 19049948311
Conc: 807.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

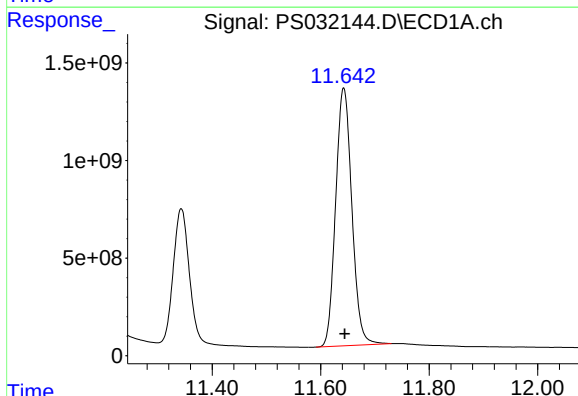
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



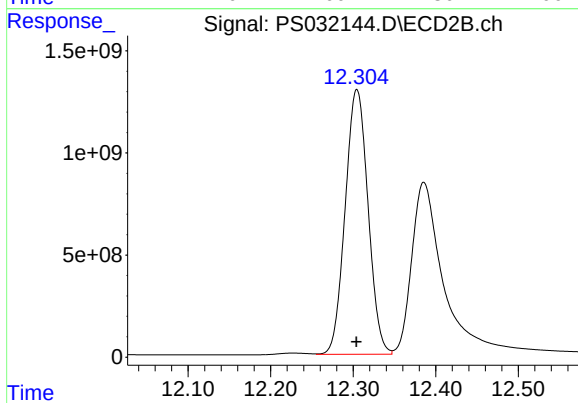
#15 Picloram

R.T.: 12.386 min
Delta R.T.: 0.007 min
Response: 23718365773
Conc: 712.43 ng/ml



#16 DCPA

R.T.: 11.643 min
Delta R.T.: -0.002 min
Response: 27407409658
Conc: 745.98 ng/ml



#16 DCPA

R.T.: 12.305 min
Delta R.T.: 0.000 min
Response: 24953817475
Conc: 751.36 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ICES02**Lab Code:** ACE**SDG NO.:** Q3399**Continuing Calib Date:** 10/23/2025**Initial Calibration Date(s):** 10/13/2025 10/13/2025**Continuing Calib Time:** 17:13**Initial Calibration Time(s):** 10:53 12:29**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)	9.28	9.28	9.18	9.38	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ICES02**Lab Code:** ACE**SDG NO.:** Q3399**Continuing Calib Date:** 10/23/2025**Initial Calibration Date(s):** 10/13/2025 10/13/2025**Continuing Calib Time:** 17:13**Initial Calibration Time(s):** 10:53 12:29**GC Column:** RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	9.89	9.79	9.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/13/2025 10/13/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032148.D **Time Analyzed:** 17:13

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.276	9.180	9.380	749.300	712.500	5.2
2,4-D	8.408	8.312	8.512	750.340	705.000	6.4
2,4-DCAA	7.279	7.182	7.382	797.050	750.000	6.3



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/13/2025 10/13/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/23/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032148.D **Time Analyzed:** 17:13

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.891	9.792	9.992	752.170	712.500	5.6
2,4-D	9.001	8.902	9.102	766.900	705.000	8.8
2,4-DCAA	7.744	7.644	7.844	865.680	750.000	15.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
 Data File : PS032148.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 17:13
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 04:43:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.279	7.744	3799.6E6	952.5E6	797.049	865.681
Target Compounds							
1) T	Dalapon	2.659	2.686	5203.0E6	2631.4E6	673.311	700.151
2) T	3,5-DICHL...	6.446	6.697	5237.6E6	1477.6E6	744.103	708.358
3) T	4-Nitroph...	7.093	7.298	1091.6E6	1222.9E6	817.856	805.880
5) T	DICAMBA	7.462	7.938	15897.5E6	6456.6E6	759.106	745.493
6) T	MCPD	7.640	8.036	964.0E6	197.2E6	78.829	79.450
7) T	MCPA	7.789	8.284	1180.6E6	295.7E6	80.221	78.380
8) T	DICHLORPROP	8.169	8.658	3433.2E6	1445.4E6	722.145	738.121
9) T	2,4-D	8.408	9.001	3643.6E6	1593.8E6	750.341	766.899
10) T	Pentachlo...	8.706	9.506	49835.5E6	41601.9E6	742.489	802.755
11) T	2,4,5-TP ...	9.276	9.891	21161.8E6	15099.8E6	749.301	752.172
12) T	2,4,5-T	9.574	10.321	20010.9E6	13343.5E6	792.691	778.286
13) T	2,4-DB	10.150	10.890	2243.0E6	1036.9E6	723.484	802.512
14) T	DINOSEB	11.343	11.263	15819.3E6	11184.8E6	709.359	735.691
15) T	Picloram	11.177	12.388	18189.4E6	23635.5E6	771.462	709.945
16) T	DCPA	11.642	12.304	27158.0E6	24891.9E6	739.190	749.493

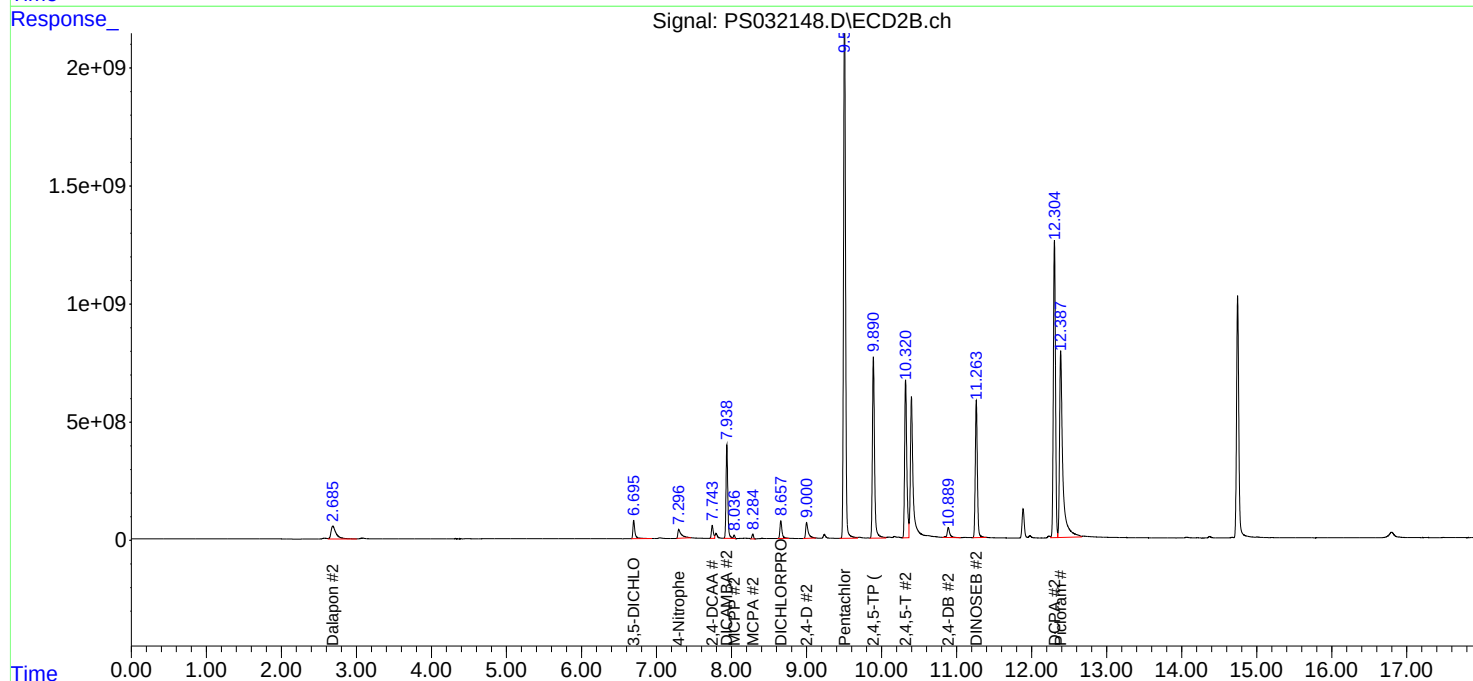
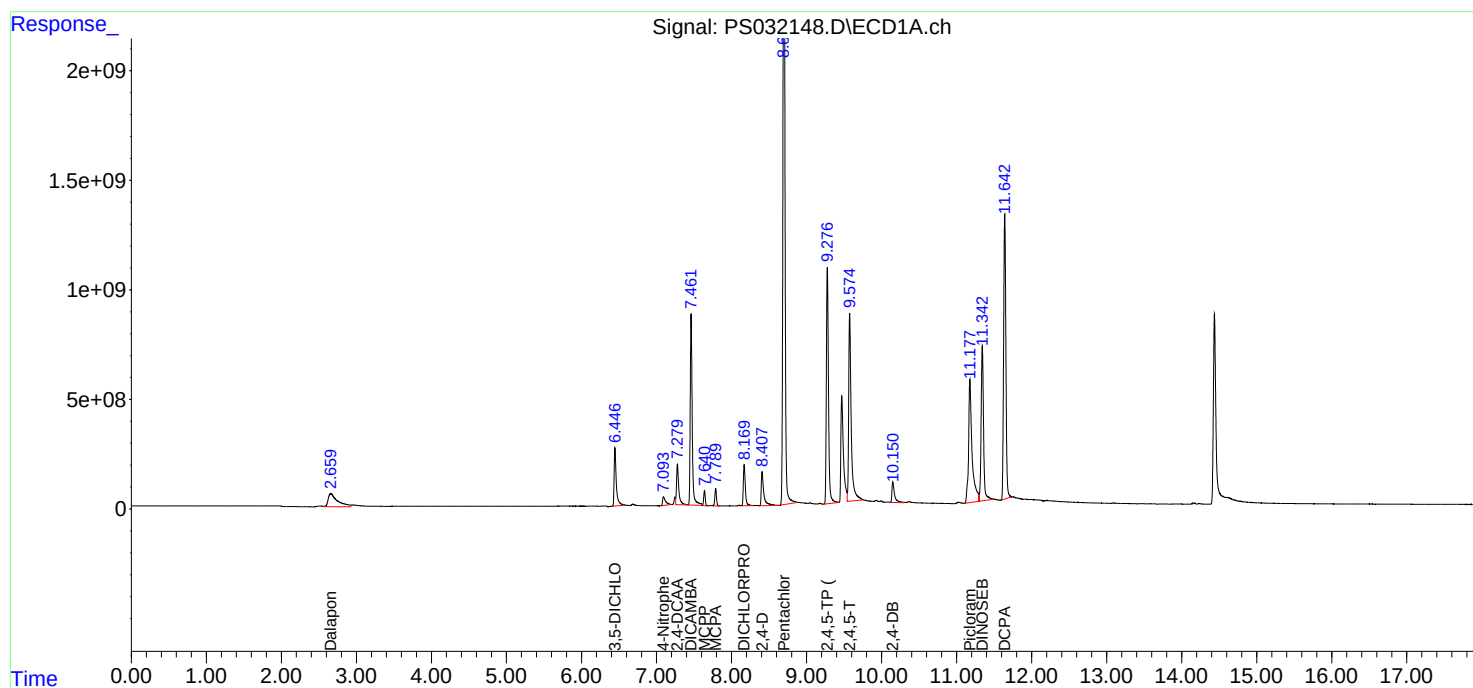
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

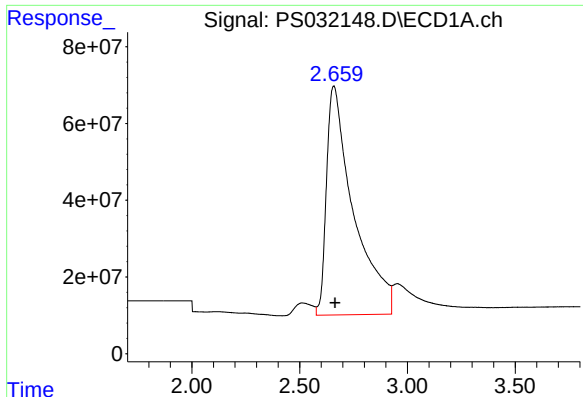
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 17:13
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:43:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

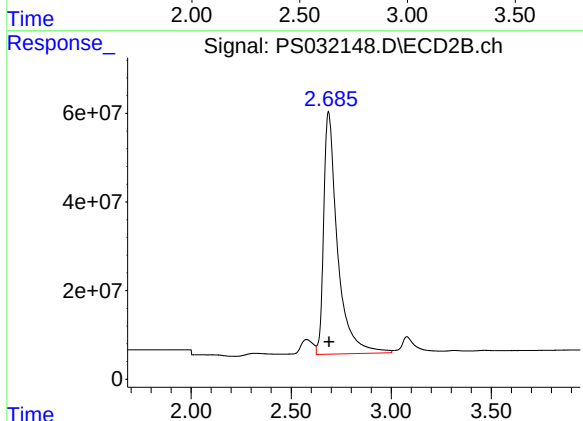




#1 Dalapon

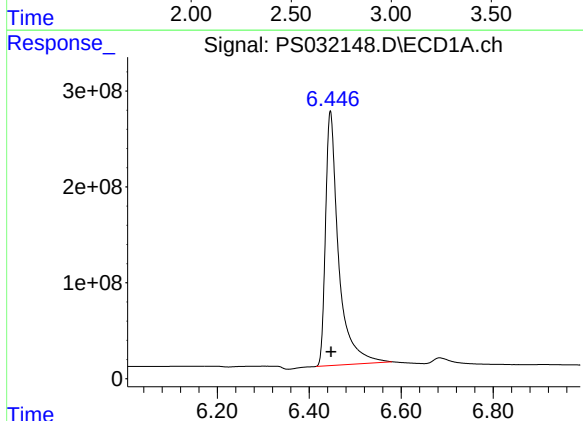
R.T.: 2.659 min
Delta R.T.: -0.006 min
Response: 5203031911
Conc: 673.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



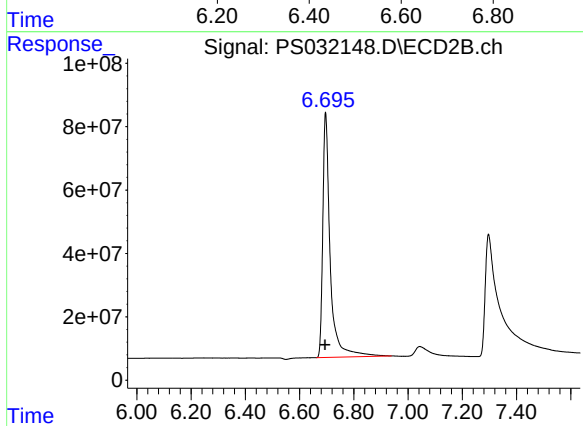
#1 Dalapon

R.T.: 2.686 min
Delta R.T.: -0.003 min
Response: 2631354583
Conc: 700.15 ng/ml



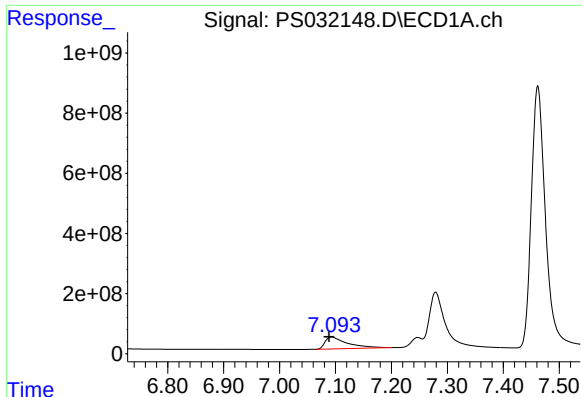
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.446 min
Delta R.T.: -0.001 min
Response: 5237640460
Conc: 744.10 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

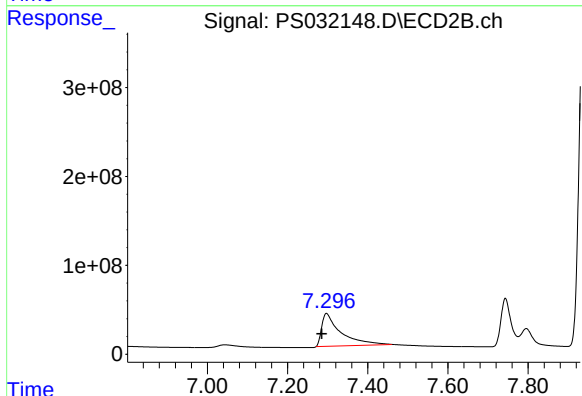
R.T.: 6.697 min
Delta R.T.: 0.003 min
Response: 1477550833
Conc: 708.36 ng/ml



#3 4-Nitrophenol

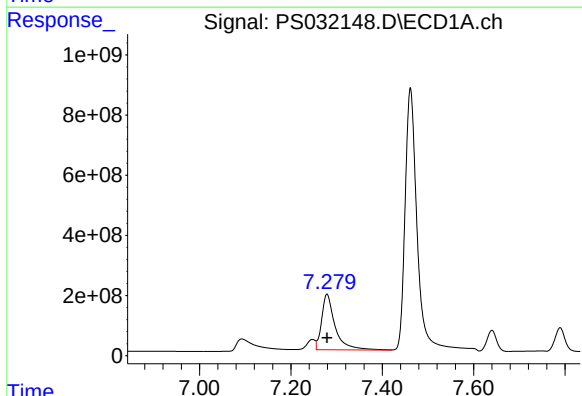
R.T.: 7.093 min
Delta R.T.: 0.005 min
Response: 1091579725
Conc: 817.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



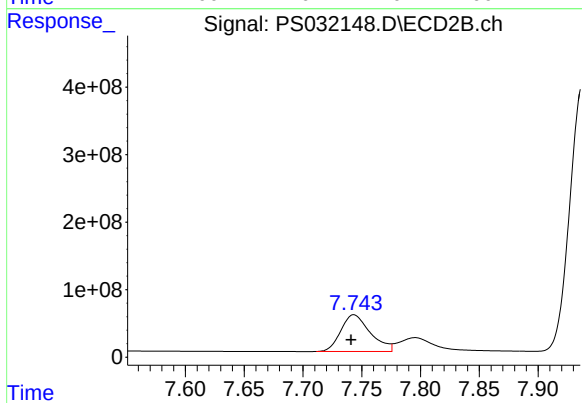
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: 0.013 min
Response: 1222852379
Conc: 805.88 ng/ml



#4 2,4-DCAA

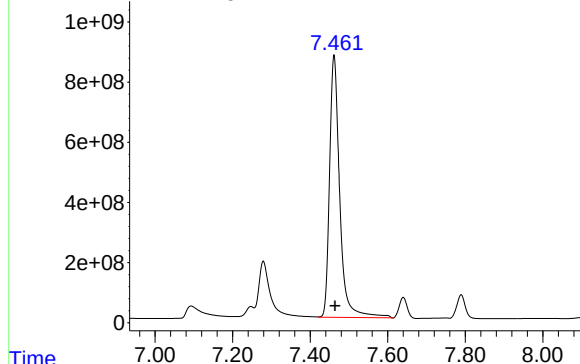
R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 3799560132
Conc: 797.05 ng/ml



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: 0.003 min
Response: 952543523
Conc: 865.68 ng/ml

Response_ Signal: PS032148.D\ECD1A.ch

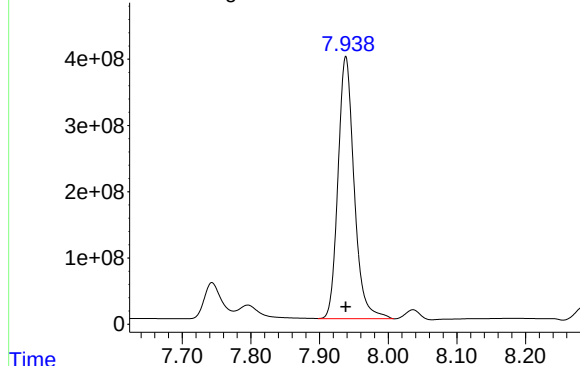


#5 DICAMBA

R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 15897469021
Conc: 759.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

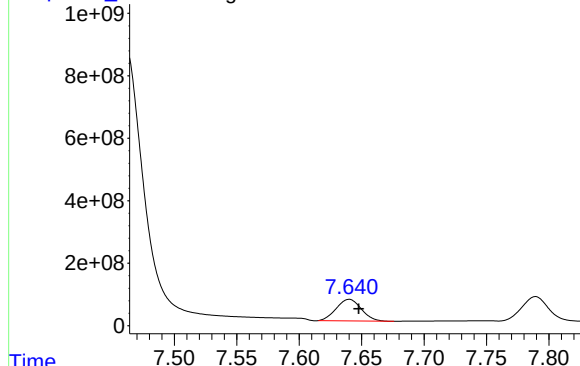
Time Response_ Signal: PS032148.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.938 min
Delta R.T.: 0.000 min
Response: 6456626371
Conc: 745.49 ng/ml

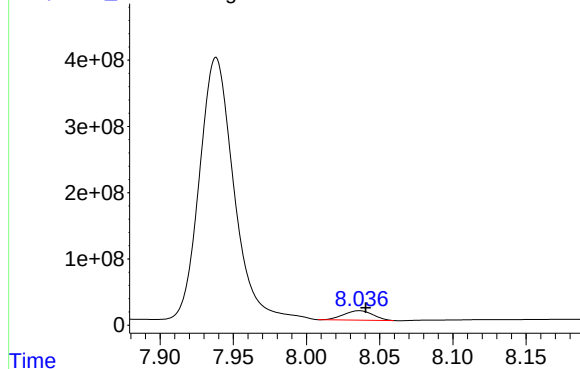
Time Response_ Signal: PS032148.D\ECD1A.ch



#6 MCP

R.T.: 7.640 min
Delta R.T.: -0.008 min
Response: 963957009
Conc: 78.83 ug/ml

Time Response_ Signal: PS032148.D\ECD2B.ch

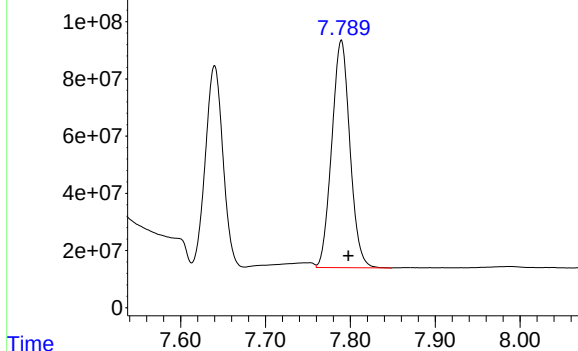


#6 MCP

R.T.: 8.036 min
Delta R.T.: -0.005 min
Response: 197215341
Conc: 79.45 ug/ml

Response_ Signal: PS032148.D\ECD1A.ch

#7 MCPA

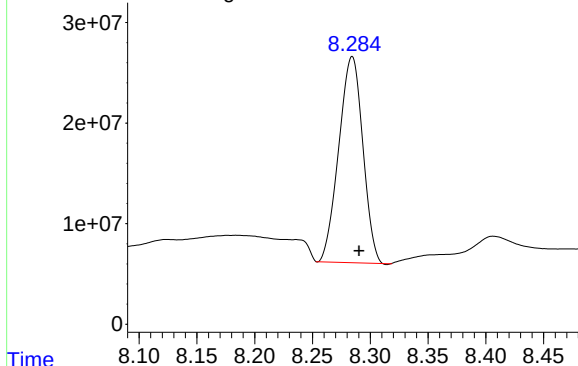


R.T.: 7.789 min
Delta R.T.: -0.008 min
Response: 1180551754
Conc: 80.22 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Time Response_ Signal: PS032148.D\ECD2B.ch

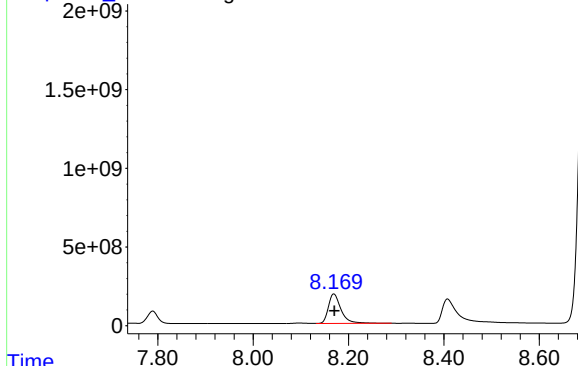
#7 MCPA



R.T.: 8.284 min
Delta R.T.: -0.007 min
Response: 295676698
Conc: 78.38 ug/ml

Time Response_ Signal: PS032148.D\ECD1A.ch

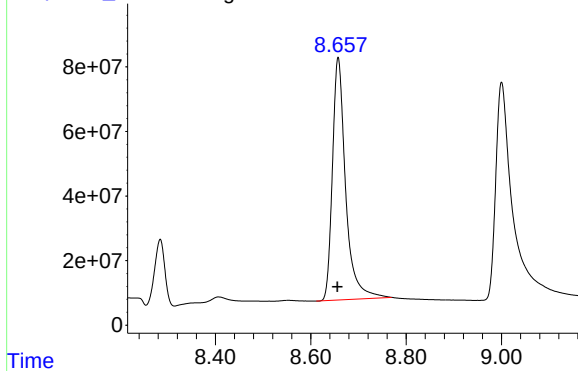
#8 DICHLORPROP



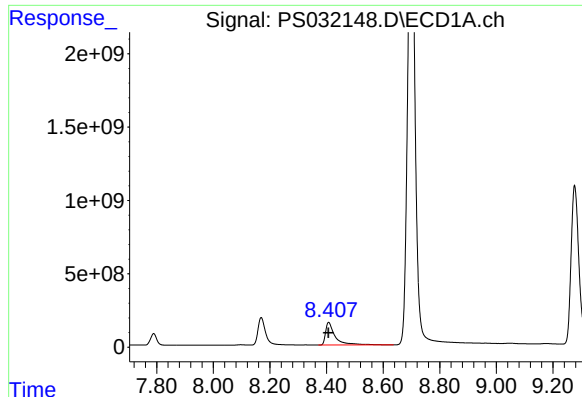
R.T.: 8.169 min
Delta R.T.: -0.002 min
Response: 3433185684
Conc: 722.15 ng/ml

Time Response_ Signal: PS032148.D\ECD2B.ch

#8 DICHLORPROP



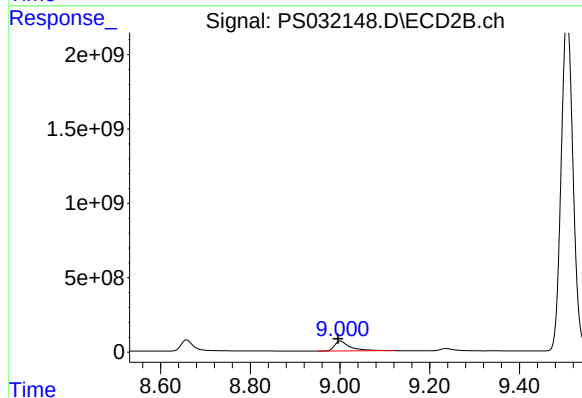
R.T.: 8.658 min
Delta R.T.: 0.002 min
Response: 1445433154
Conc: 738.12 ng/ml



#9 2,4-D

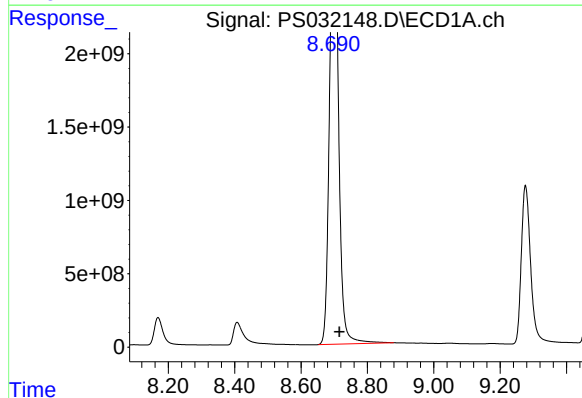
R.T.: 8.408 min
Delta R.T.: 0.001 min
Response: 3643561861
Conc: 750.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



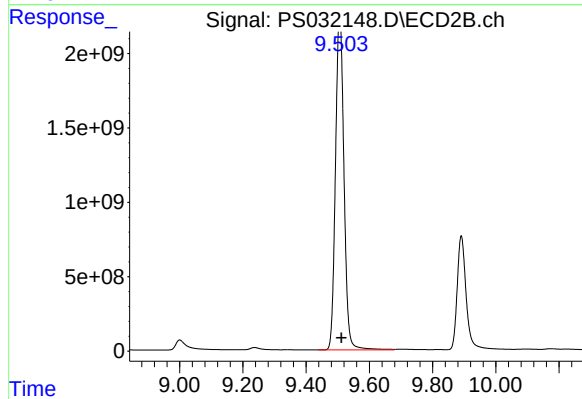
#9 2,4-D

R.T.: 9.001 min
Delta R.T.: 0.006 min
Response: 1593844656
Conc: 766.90 ng/ml



#10 Pentachlorophenol

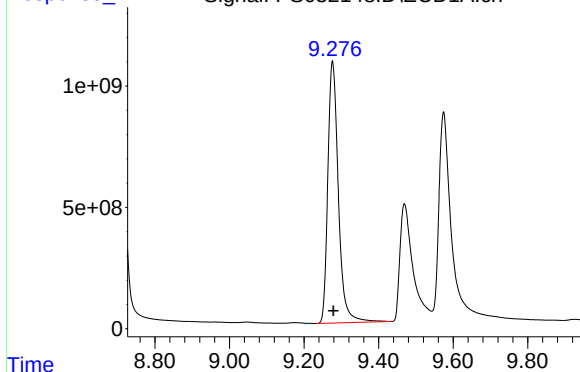
R.T.: 8.706 min
Delta R.T.: -0.009 min
Response: 49835491087
Conc: 742.49 ng/ml



#10 Pentachlorophenol

R.T.: 9.506 min
Delta R.T.: -0.006 min
Response: 41601854668
Conc: 802.75 ng/ml

Signal: PS032148.D\ECD1A.ch

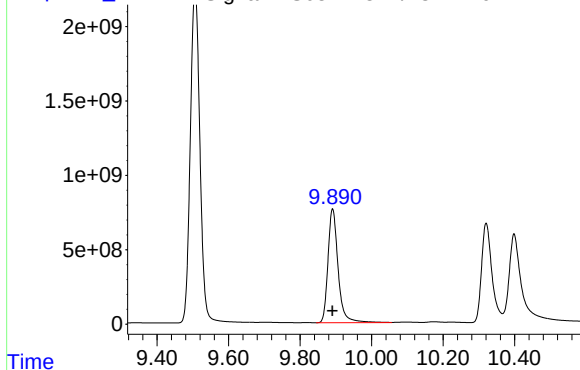


#11 2,4,5-TP (SILVEX)

R.T.: 9.276 min
Delta R.T.: -0.002 min
Response: 21161779815
Conc: 749.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

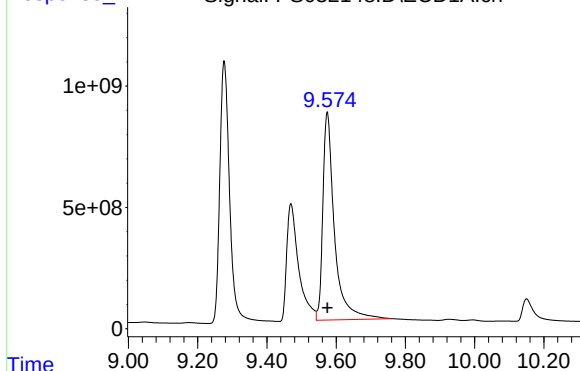
Signal: PS032148.D\ECD2B.ch



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

R.T.: 9.891 min
Delta R.T.: 0.001 min
Response: 15099757851
Conc: 752.17 ng/ml

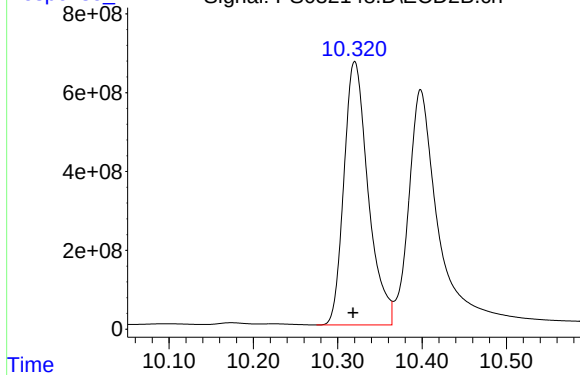
Signal: PS032148.D\ECD1A.ch



#12 2,4,5-T

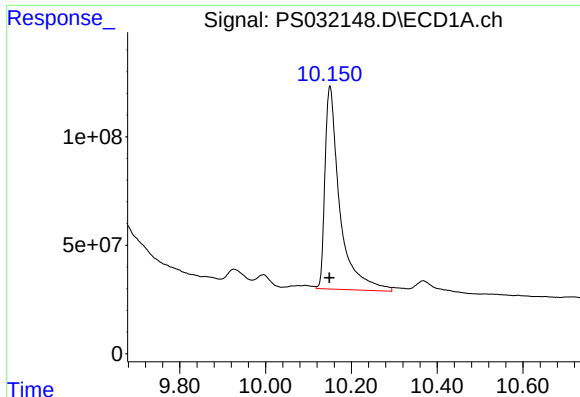
R.T.: 9.574 min
Delta R.T.: 0.000 min
Response: 20010909785
Conc: 792.69 ng/ml

Signal: PS032148.D\ECD2B.ch



#12 2,4,5-T

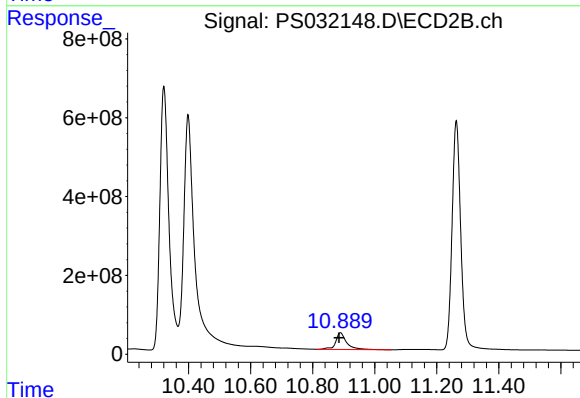
R.T.: 10.321 min
Delta R.T.: 0.003 min
Response: 13343455928
Conc: 778.29 ng/ml



#13 2,4-DB

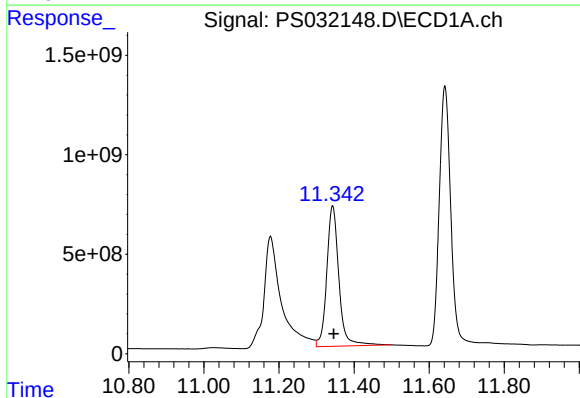
R.T.: 10.150 min
Delta R.T.: 0.001 min
Response: 2243031265
Conc: 723.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



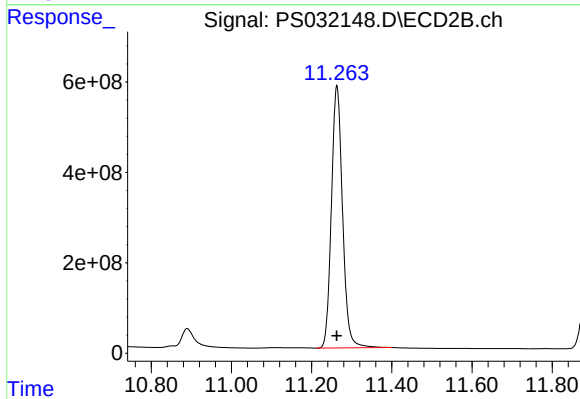
#13 2,4-DB

R.T.: 10.890 min
Delta R.T.: 0.005 min
Response: 1036918579
Conc: 802.51 ng/ml



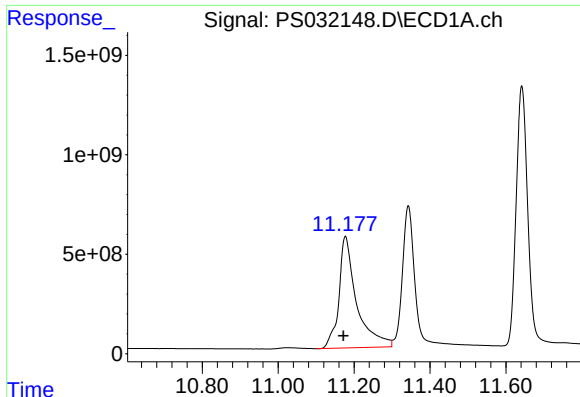
#14 DINOSEB

R.T.: 11.343 min
Delta R.T.: -0.003 min
Response: 15819315202
Conc: 709.36 ng/ml



#14 DINOSEB

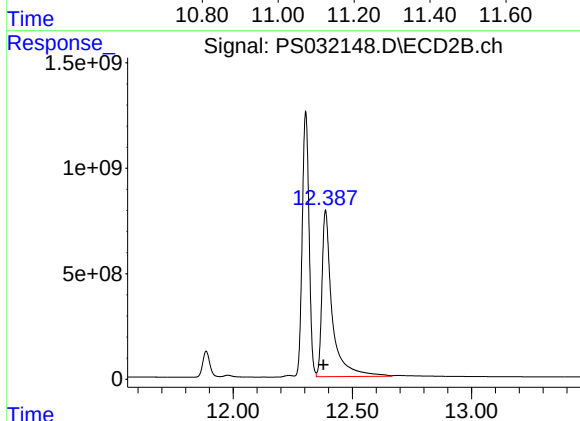
R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 11184764794
Conc: 735.69 ng/ml



#15 Picloram

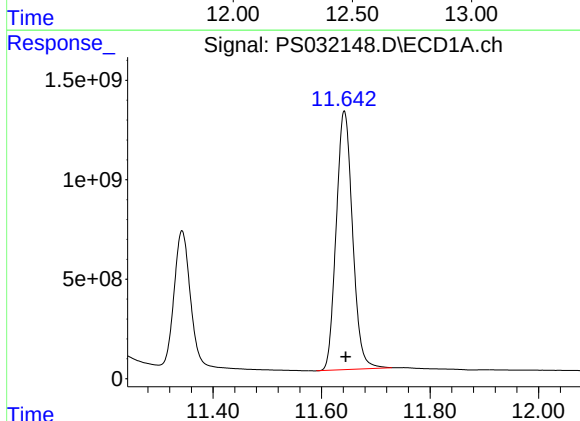
R.T.: 11.177 min
Delta R.T.: 0.006 min
Response: 18189423090
Conc: 771.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



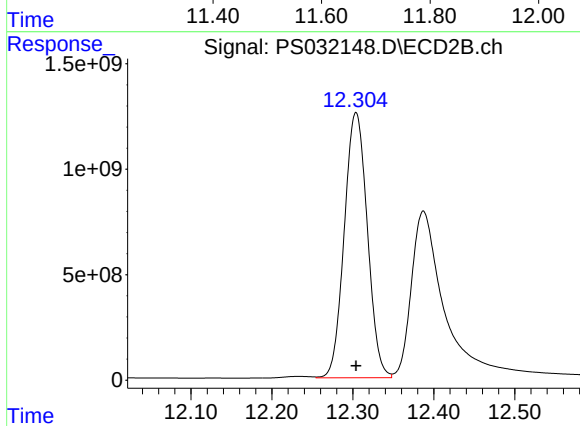
#15 Picloram

R.T.: 12.388 min
Delta R.T.: 0.009 min
Response: 23635480949
Conc: 709.94 ng/ml



#16 DCPA

R.T.: 11.642 min
Delta R.T.: -0.003 min
Response: 27158010957
Conc: 739.19 ng/ml



#16 DCPA

R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 24891897279
Conc: 749.49 ng/ml



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

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ICES02**Lab Code:** ACE**SDG NO.:** Q3399**Continuing Calib Date:** 10/24/2025**Initial Calibration Date(s):** 10/13/2025 10/13/2025**Continuing Calib Time:** 10:34**Initial Calibration Time(s):** 10:53 12:29**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)	9.28	9.28	9.18	9.38	0.00



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

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ICES02**Lab Code:** ACE**SDG NO.:** Q3399**Continuing Calib Date:** 10/24/2025**Initial Calibration Date(s):** 10/13/2025 10/13/2025**Continuing Calib Time:** 10:34**Initial Calibration Time(s):** 10:53 12:29**GC Column:** RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	9.89	9.79	9.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/13/2025 10/13/2025
Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032151.D **Time Analyzed:** 10:34

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.276	9.180	9.380	728.970	712.500	2.3
2,4-D	8.409	8.312	8.512	712.540	705.000	1.1
2,4-DCAA	7.279	7.182	7.382	772.240	750.000	3.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/13/2025 10/13/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/24/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032151.D **Time Analyzed:** 10:34

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.890	9.792	9.992	745.250	712.500	4.6
2,4-D	9.000	8.902	9.102	739.330	705.000	4.9
2,4-DCAA	7.743	7.644	7.844	834.560	750.000	11.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102425\
 Data File : PS032151.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 10:34
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 06:21:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.279	7.743	3681.3E6	918.3E6	772.239	834.563
Target Compounds							
1) T	Dalapon	2.659	2.687	5099.5E6	2590.4E6	659.909	689.265
2) T	3,5-DICHL...	6.447	6.696	5061.7E6	1431.1E6	719.102	686.104
3) T	4-Nitroph...	7.097	7.298	986.8E6	1168.9E6	739.332	770.331
5) T	DICAMBA	7.461	7.938	14803.3E6	6244.1E6	706.857	720.954
6) T	MCPD	7.639	8.035	918.6E6	190.8E6	75.119	76.873
7) T	MCPA	7.788	8.283	1207.0E6	290.3E6	82.021	76.947
8) T	DICHLORPROP	8.169	8.656	3329.4E6	1279.5E6	700.318	653.384
9) T	2,4-D	8.409	9.000	3460.0E6	1536.6E6	712.544	739.331
10) T	Pentachlo...	8.705	9.505	49529.2E6	40679.9E6	737.926	784.964
11) T	2,4,5-TP ...	9.276	9.890	20587.7E6	14960.8E6	728.972	745.252
12) T	2,4,5-T	9.574	10.320	19166.7E6	13212.2E6	759.248	770.630
13) T	2,4-DB	10.151	10.888	2356.8E6	926.2E6	760.188	716.840m
14) T	DINOSEB	11.341	11.261	15786.7E6	11092.0E6	707.896	729.590
15) T	Picloram	11.178	12.384	17775.0E6	22791.4E6	753.885	684.590
16) T	DCPA	11.641	12.302	26673.7E6	24129.0E6	726.009	726.522

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102425\
Data File : PS032151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 10:34
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

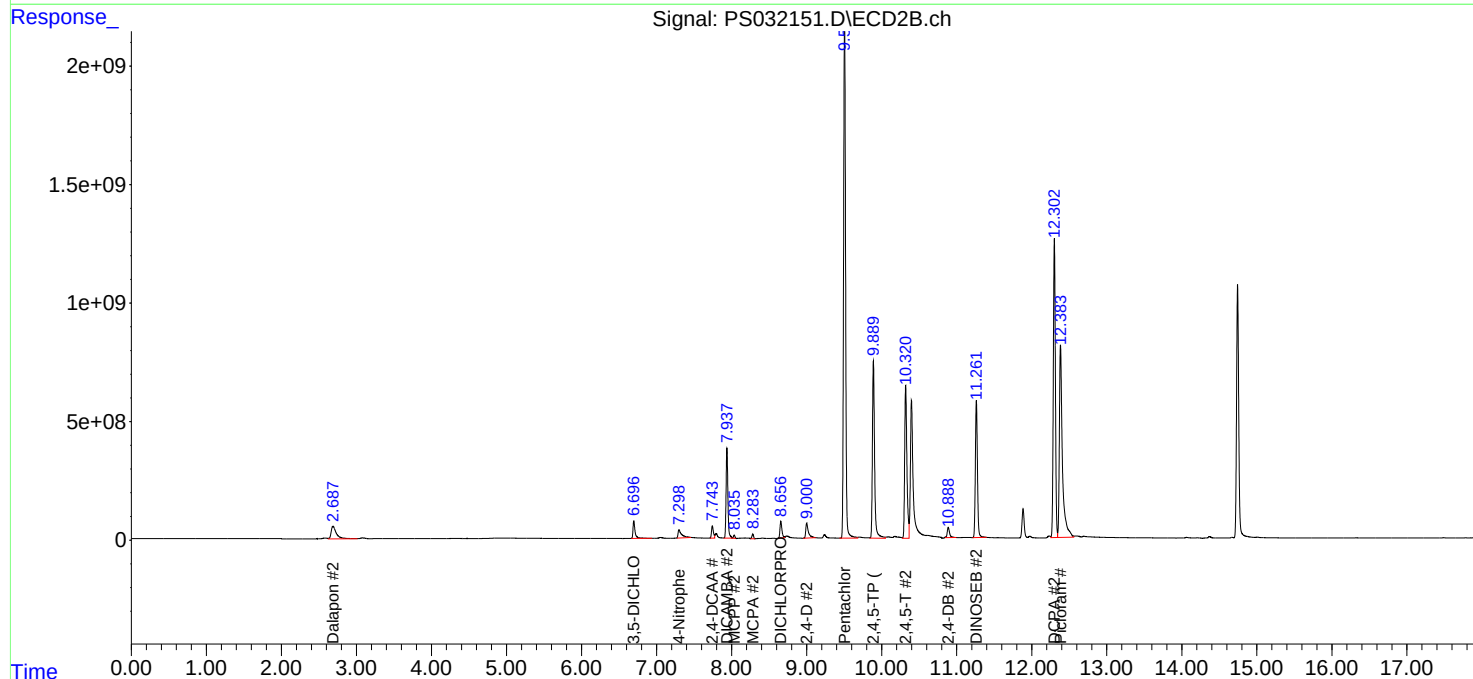
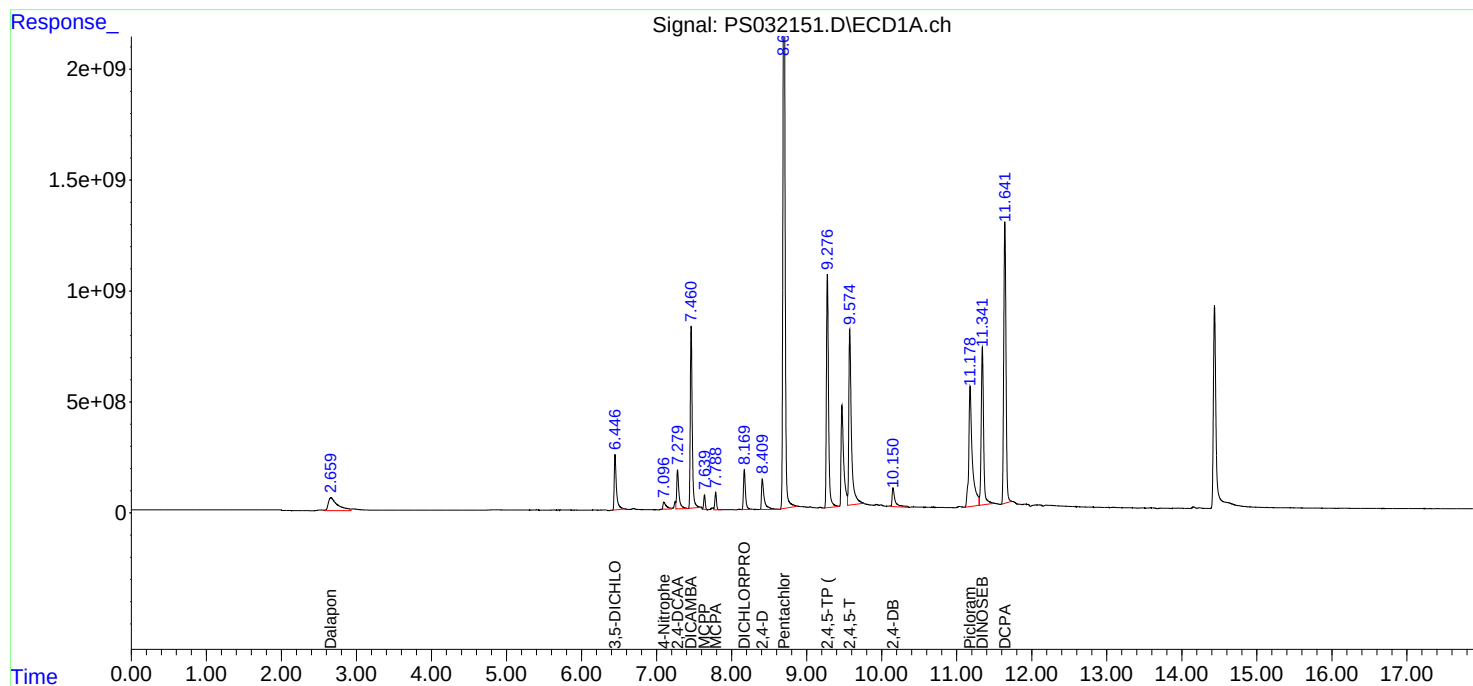
APPROVED

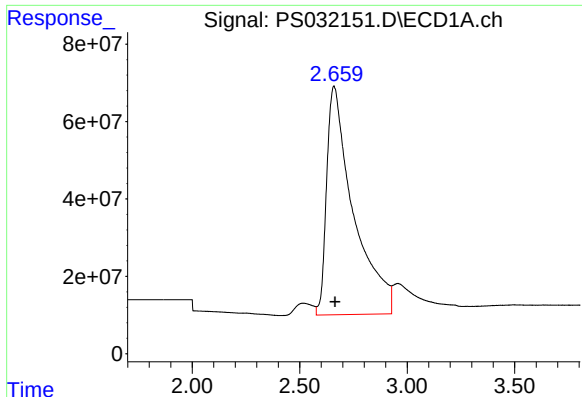
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 06:21:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





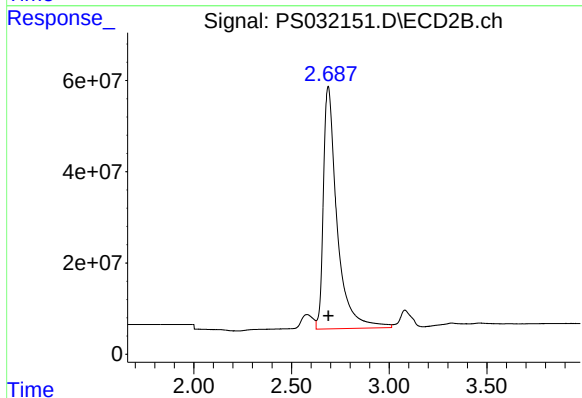
#1 Dalapon

R.T.: 2.659 min
Delta R.T.: -0.006 min
Response: 5099469683
Conc: 659.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

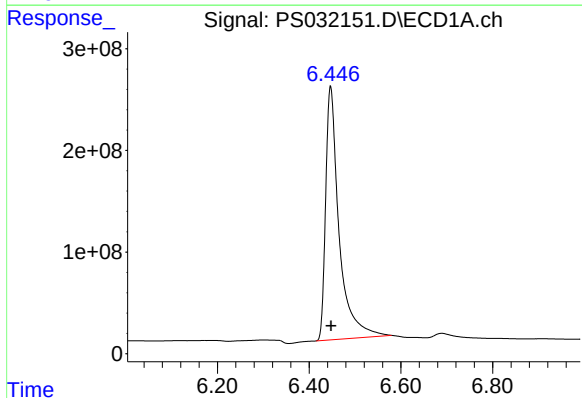
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



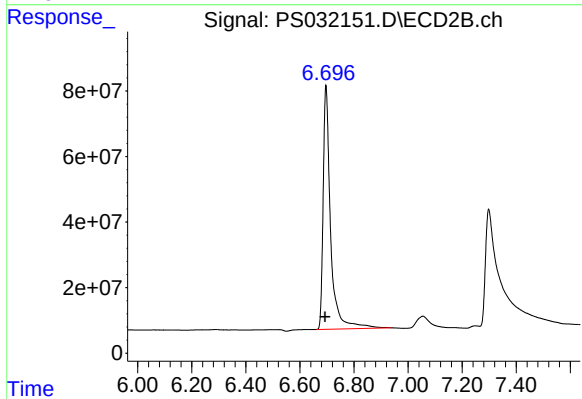
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: -0.002 min
Response: 2590442079
Conc: 689.26 ng/ml



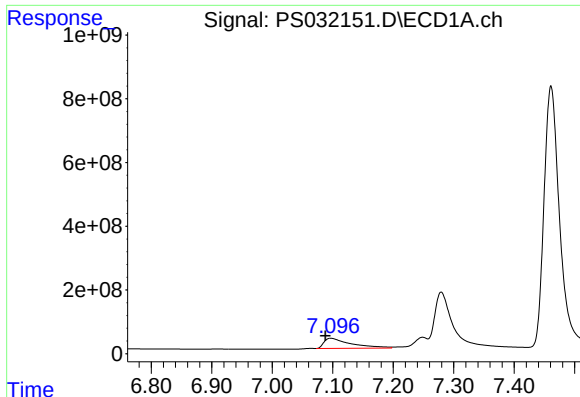
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.447 min
Delta R.T.: 0.000 min
Response: 5061658839
Conc: 719.10 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.696 min
Delta R.T.: 0.003 min
Response: 1431131746
Conc: 686.10 ng/ml



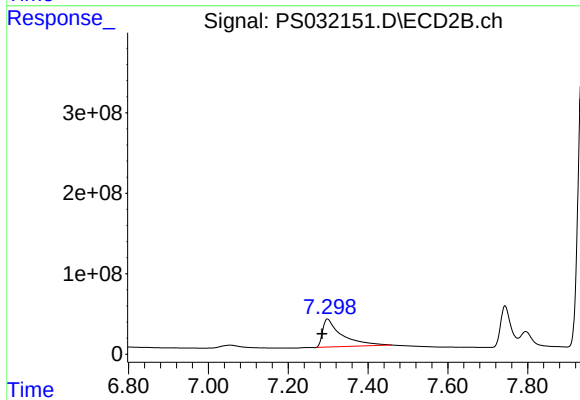
#3 4-Nitrophenol

R.T.: 7.097 min
Delta R.T.: 0.008 min
Response: 986774988
Conc: 739.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

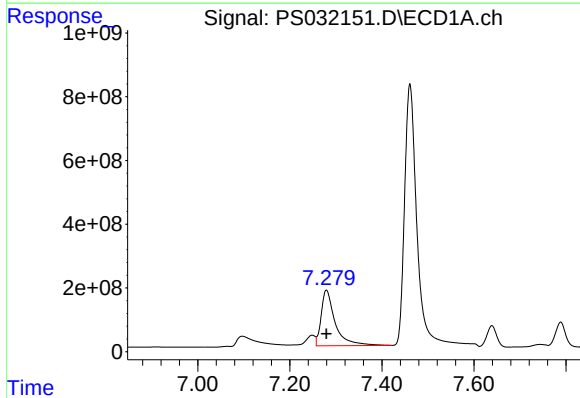
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



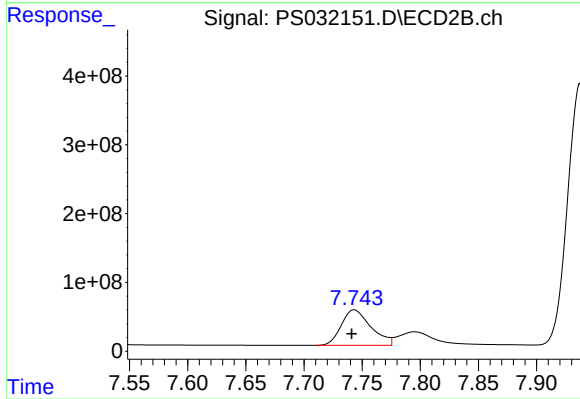
#3 4-Nitrophenol

R.T.: 7.298 min
Delta R.T.: 0.013 min
Response: 1168909142
Conc: 770.33 ng/ml



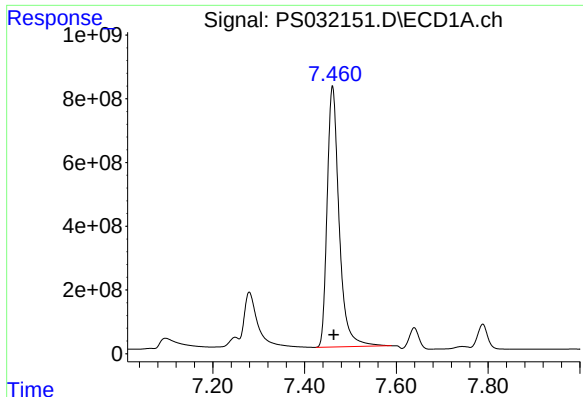
#4 2,4-DCAA

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 3681289912
Conc: 772.24 ng/ml



#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: 0.002 min
Response: 918303652
Conc: 834.56 ng/ml



#5 DICAMBA

R.T.: 7.461 min
Delta R.T.: -0.003 min
Response: 14803262787
Conc: 706.86 ng/ml

Instrument :

ECD_S

ClientSampleId :

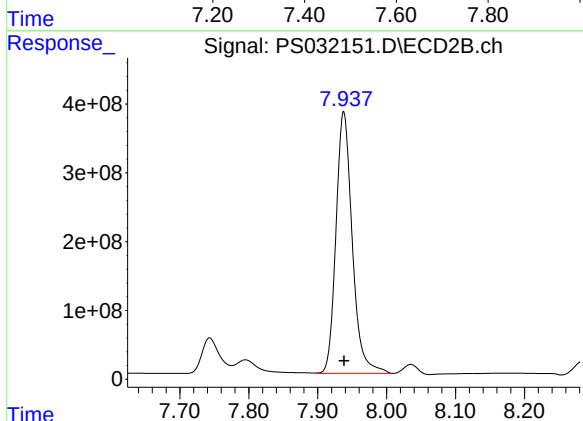
HSTDCCC750

Manual Integrations

APPROVED

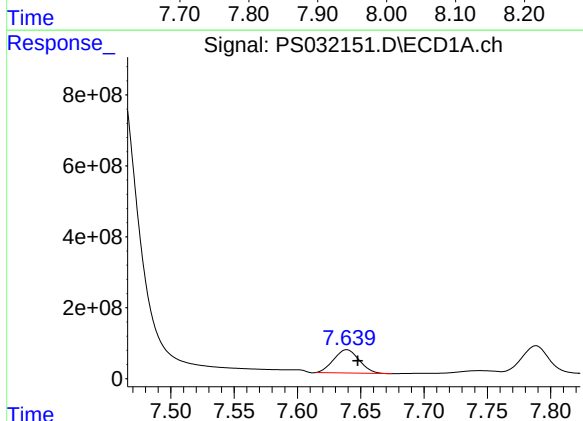
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



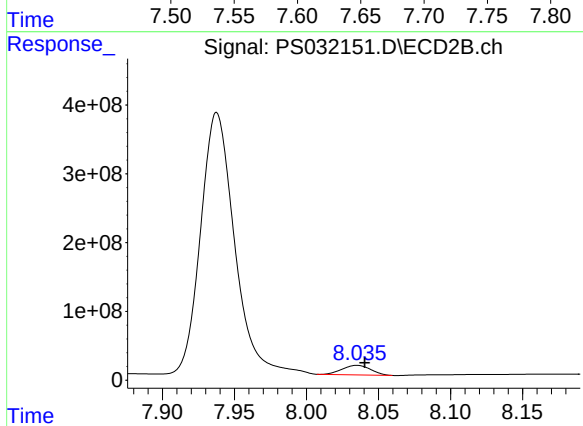
#5 DICAMBA

R.T.: 7.938 min
Delta R.T.: 0.000 min
Response: 6244099304
Conc: 720.95 ng/ml



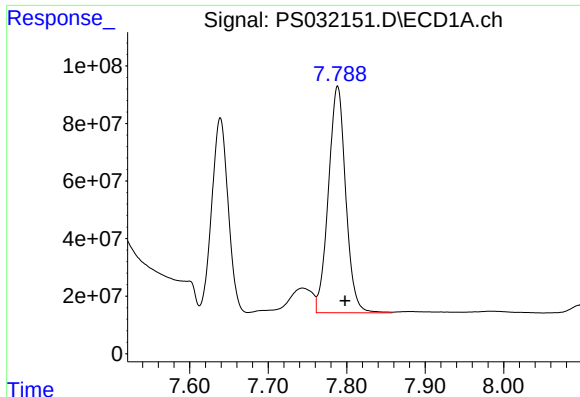
#6 MCPP

R.T.: 7.639 min
Delta R.T.: -0.009 min
Response: 918588398
Conc: 75.12 ug/ml



#6 MCPP

R.T.: 8.035 min
Delta R.T.: -0.005 min
Response: 190818788
Conc: 76.87 ug/ml



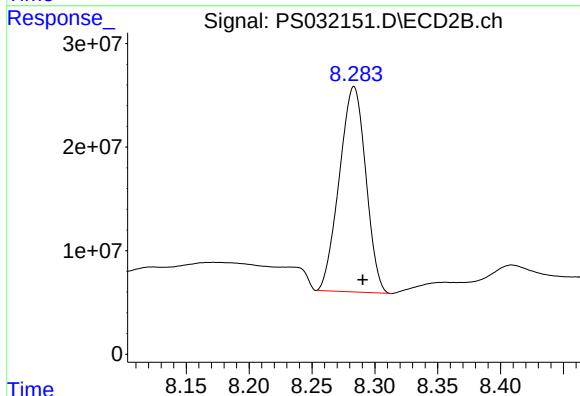
#7 MCPA

R.T.: 7.788 min
Delta R.T.: -0.009 min
Response: 1207046590
Conc: 82.02 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

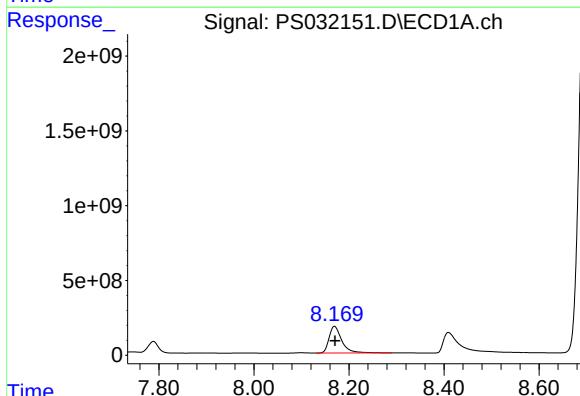
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



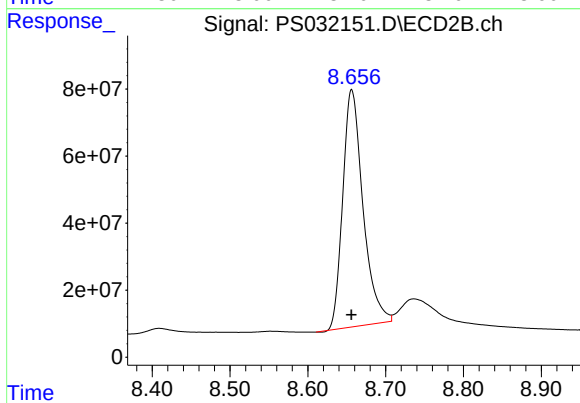
#7 MCPA

R.T.: 8.283 min
Delta R.T.: -0.007 min
Response: 290270172
Conc: 76.95 ug/ml



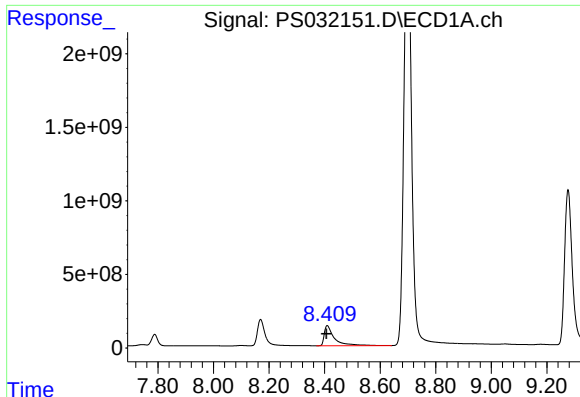
#8 DICHLORPROP

R.T.: 8.169 min
Delta R.T.: -0.001 min
Response: 3329412655
Conc: 700.32 ng/ml



#8 DICHLORPROP

R.T.: 8.656 min
Delta R.T.: 0.000 min
Response: 1279495650
Conc: 653.38 ng/ml



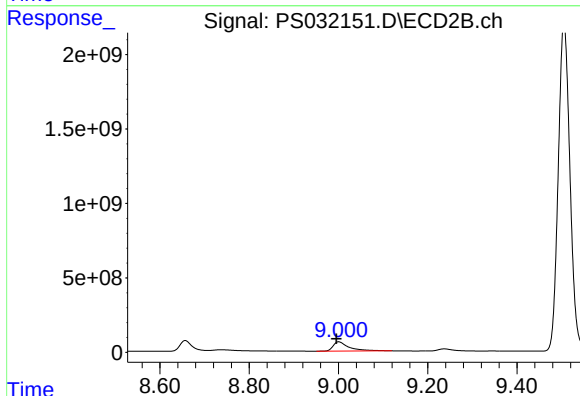
#9 2,4-D

R.T.: 8.409 min
Delta R.T.: 0.003 min
Response: 3460025076
Conc: 712.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

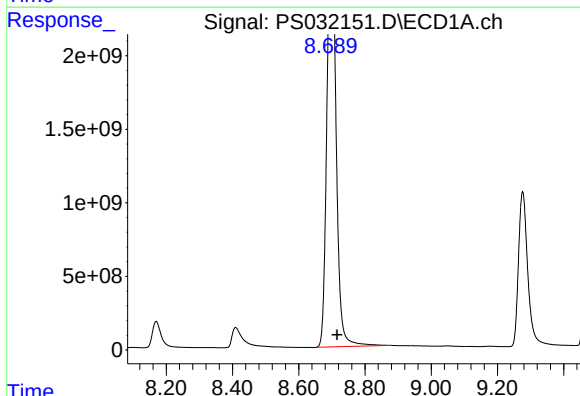
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



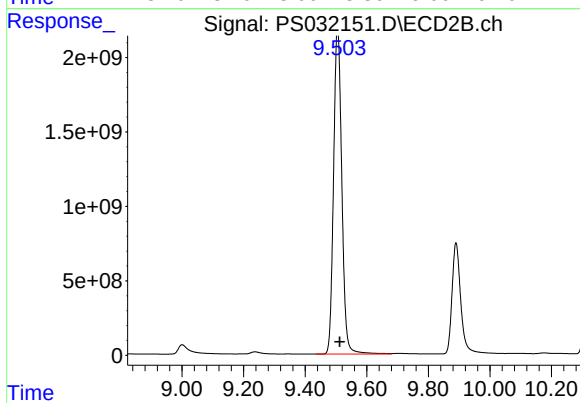
#9 2,4-D

R.T.: 9.000 min
Delta R.T.: 0.005 min
Response: 1536550692
Conc: 739.33 ng/ml



#10 Pentachlorophenol

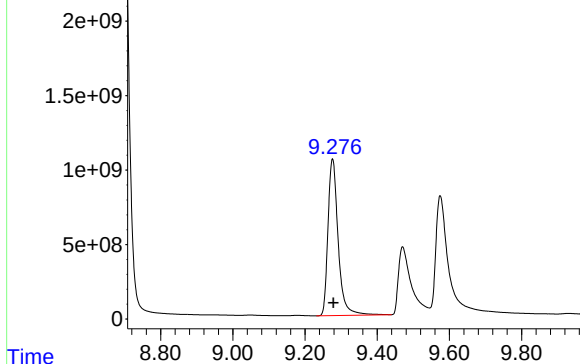
R.T.: 8.705 min
Delta R.T.: -0.010 min
Response: 49529217470
Conc: 737.93 ng/ml



#10 Pentachlorophenol

R.T.: 9.505 min
Delta R.T.: -0.007 min
Response: 40679855343
Conc: 784.96 ng/ml

Response_ Signal: PS032151.D\ECD1A.ch



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

R.T.: 9.276 min
Delta R.T.: -0.002 min
Response: 20587653164
Conc: 728.97 ng/ml

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

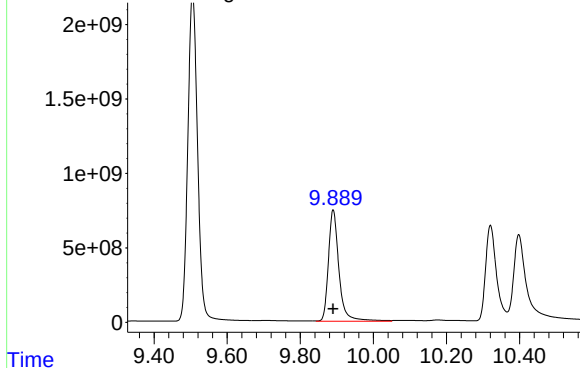
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

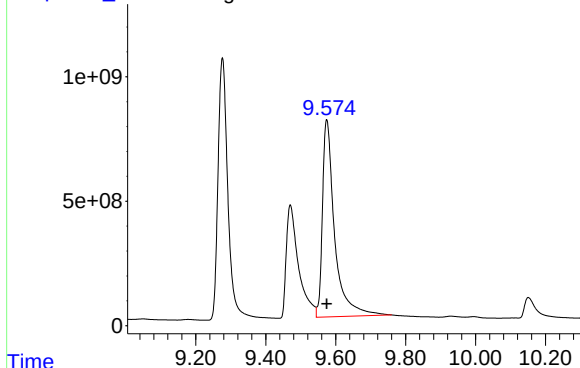
Time Response_ Signal: PS032151.D\ECD2B.ch



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

R.T.: 9.890 min
Delta R.T.: 0.000 min
Response: 14960834719
Conc: 745.25 ng/ml

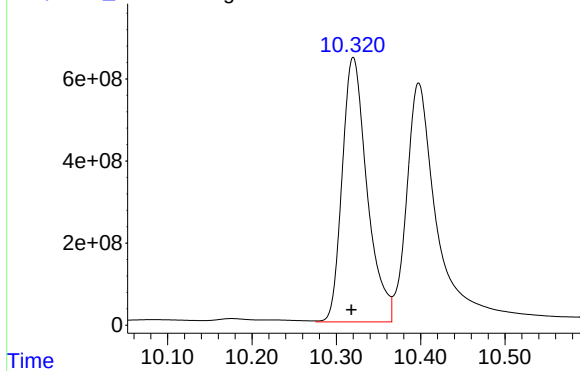
Time Response_ Signal: PS032151.D\ECD1A.ch



#12 2,4,5-T

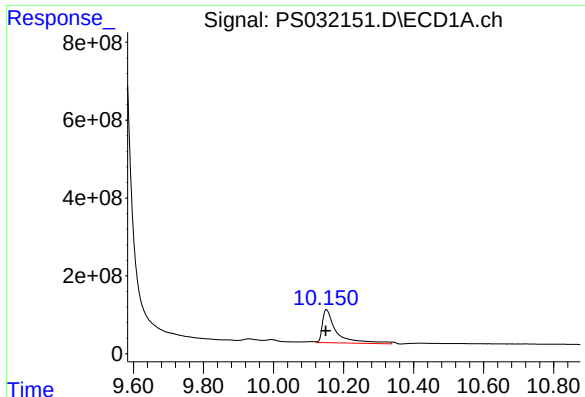
R.T.: 9.574 min
Delta R.T.: 0.000 min
Response: 19166672120
Conc: 759.25 ng/ml

Time Response_ Signal: PS032151.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.320 min
Delta R.T.: 0.002 min
Response: 13212205893
Conc: 770.63 ng/ml



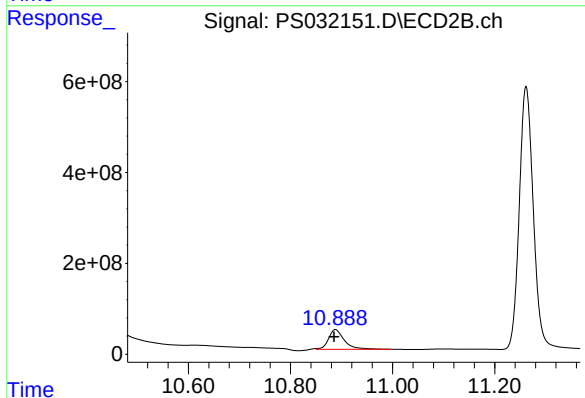
#13 2,4-DB

R.T.: 10.151 min
Delta R.T.: 0.002 min
Response: 2356823676
Conc: 760.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

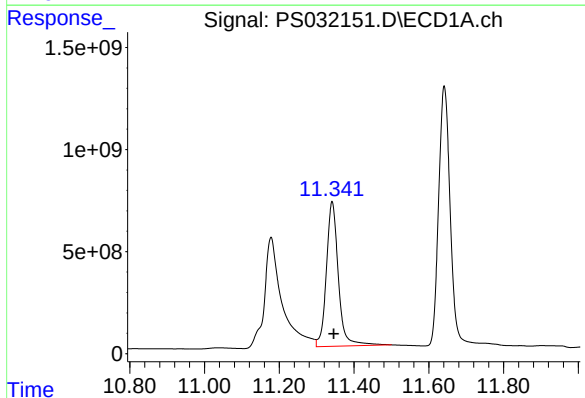
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



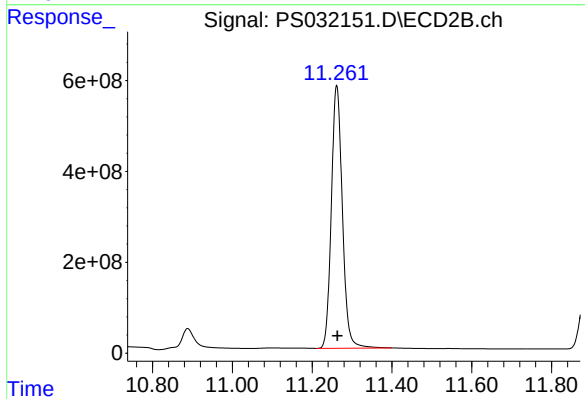
#13 2,4-DB

R.T.: 10.888 min
Delta R.T.: 0.002 min
Response: 926222551
Conc: 716.84 ng/ml m



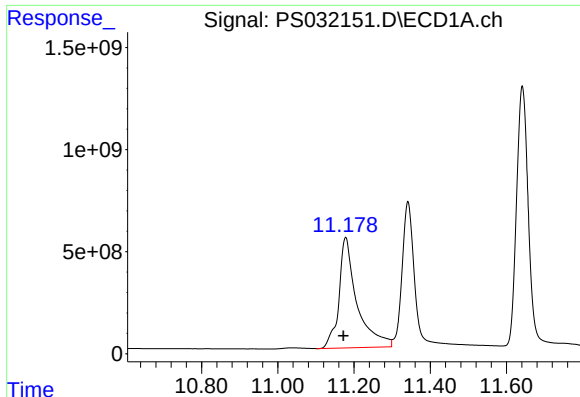
#14 DINOSEB

R.T.: 11.341 min
Delta R.T.: -0.005 min
Response: 15786703497
Conc: 707.90 ng/ml



#14 DINOSEB

R.T.: 11.261 min
Delta R.T.: -0.001 min
Response: 11092016653
Conc: 729.59 ng/ml



#15 Picloram

R.T.: 11.178 min
Delta R.T.: 0.006 min
Response: 17775000109
Conc: 753.89 ng/ml

Instrument :

ECD_S

ClientSampleId :

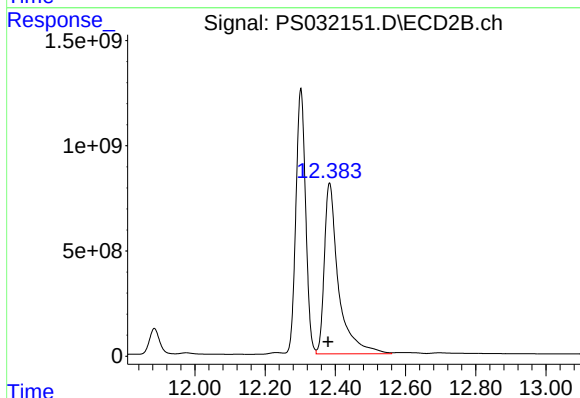
HSTDCCC750

Manual Integrations

APPROVED

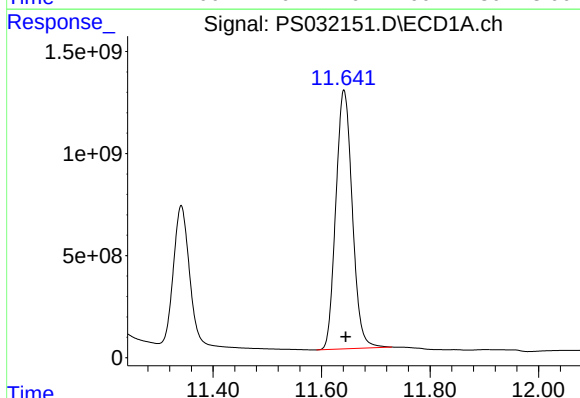
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



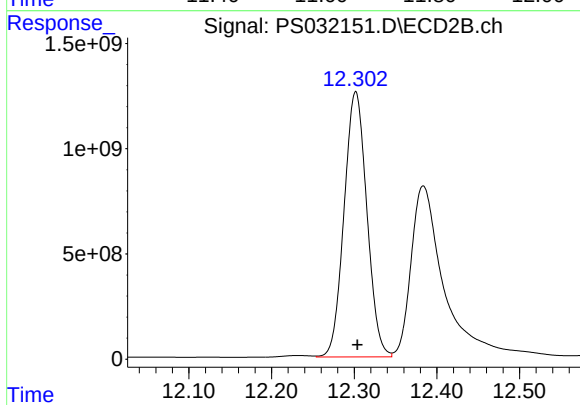
#15 Picloram

R.T.: 12.384 min
Delta R.T.: 0.005 min
Response: 22791362384
Conc: 684.59 ng/ml



#16 DCPA

R.T.: 11.641 min
Delta R.T.: -0.003 min
Response: 26673720486
Conc: 726.01 ng/ml



#16 DCPA

R.T.: 12.302 min
Delta R.T.: -0.002 min
Response: 24128999168
Conc: 726.52 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: AllianceContract: ICES02Lab Code: ACESDG NO.: Q3399Continuing Calib Date: 10/24/2025Initial Calibration Date(s): 10/13/2025 10/13/2025Continuing Calib Time: 14:28Initial Calibration Time(s): 10:53 12:29GC 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)	9.28	9.28	9.18	9.38	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ICES02**Lab Code:** ACE**SDG NO.:** Q3399**Continuing Calib Date:** 10/24/2025**Initial Calibration Date(s):** 10/13/2025 10/13/2025**Continuing Calib Time:** 14:28**Initial Calibration Time(s):** 10:53 12:29**GC Column:** RTX-CLP2 **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	9.89	9.79	9.99	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/13/2025 10/13/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/24/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032154.D **Time Analyzed:** 14:28

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.275	9.180	9.380	738.430	712.500	3.6
2,4-D	8.407	8.312	8.512	733.220	705.000	4.0
2,4-DCAA	7.278	7.182	7.382	790.230	750.000	5.4



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ICES02
Lab Code: ACE **SDG NO.:** Q3399
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/13/2025 10/13/2025

Client Sample No.: CCAL05 **Date Analyzed:** 10/24/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032154.D **Time Analyzed:** 14:28

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.891	9.792	9.992	750.010	712.500	5.3
2,4-D	9.000	8.902	9.102	761.860	705.000	8.1
2,4-DCAA	7.743	7.644	7.844	856.540	750.000	14.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102425\
 Data File : PS032154.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 14:28
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 25 06:22:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.278	7.743	3767.0E6	942.5E6	790.227	856.544
Target Compounds							
1) T	Dalapon	2.657	2.687	5112.0E6	2597.5E6	661.530	691.155
2) T	3,5-DICHL...	6.446	6.696	5128.0E6	1455.1E6	728.520	697.587
3) T	4-Nitroph...	7.093	7.296	815.3E6	1184.0E6	610.876m	780.282 #
5) T	DICAMBA	7.460	7.938	15009.8E6	6406.6E6	716.718	739.716
6) T	MCPD	7.639	8.036	919.3E6	196.2E6	75.179	79.047
7) T	MCPA	7.788	8.284	1168.6E6	293.5E6	79.406	77.804
8) T	DICHLORPROP	8.169	8.658	3375.8E6	1427.1E6	710.067	728.776
9) T	2,4-D	8.407	9.000	3560.4E6	1583.4E6	733.223	761.864
10) T	Pentachlo...	8.704	9.506	49470.6E6	41376.2E6	737.053	798.400
11) T	2,4,5-TP ...	9.275	9.891	20854.8E6	15056.4E6	738.431	750.010
12) T	2,4,5-T	9.574	10.320	19598.1E6	13433.0E6	776.337	783.508
13) T	2,4-DB	10.149	10.889	2227.3E6	972.7E6	718.401	752.773
14) T	DINOSEB	11.341	11.263	15920.9E6	11360.1E6	713.915	747.226
15) T	Picloram	11.177	12.385	17601.9E6	22873.1E6	746.543	687.045
16) T	DCPA	11.640	12.304	27039.6E6	24622.5E6	735.966	741.382

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102425\
Data File : PS032154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 14:28
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

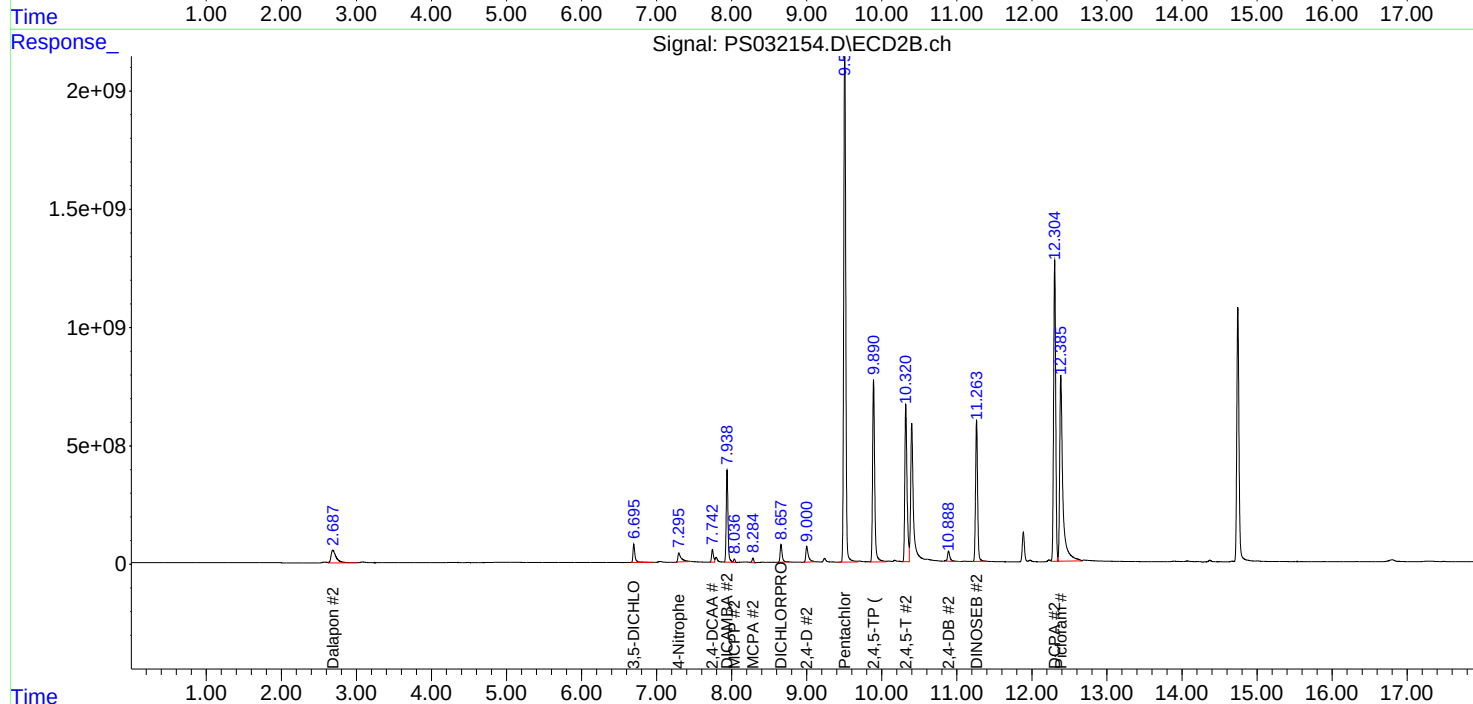
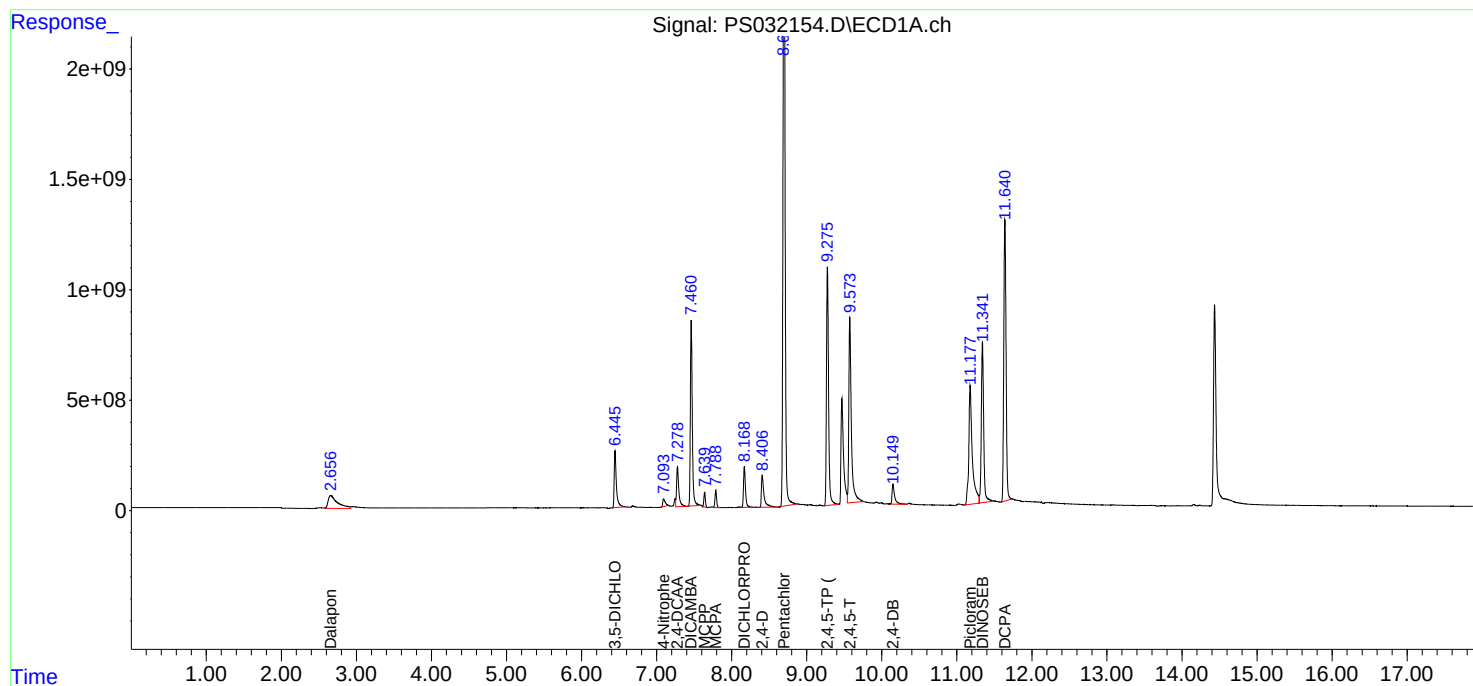
APPROVED

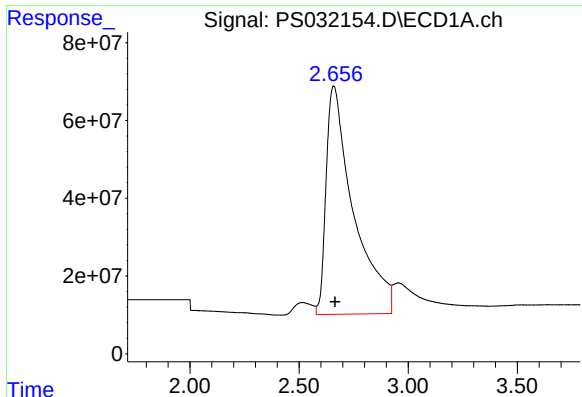
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 06:22:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





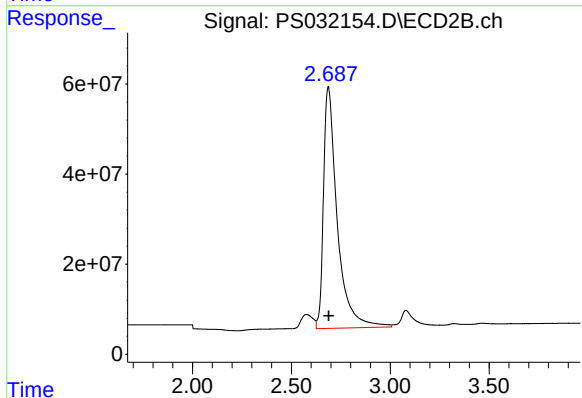
#1 Dalapon

R.T.: 2.657 min
Delta R.T.: -0.008 min
Response: 5111994224
Conc: 661.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

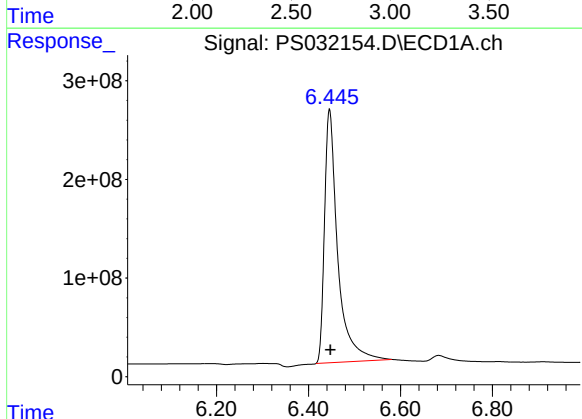
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



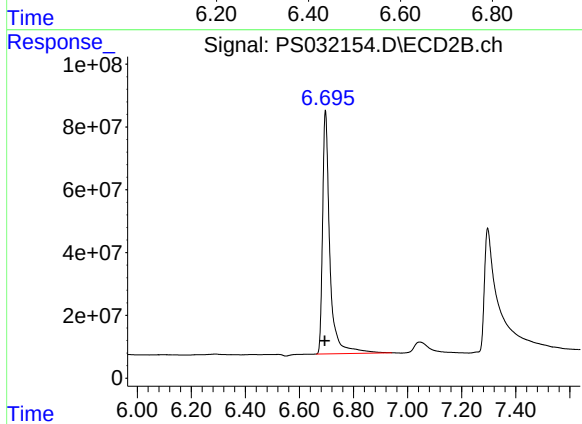
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: -0.002 min
Response: 2597546206
Conc: 691.15 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.446 min
Delta R.T.: -0.002 min
Response: 5127952145
Conc: 728.52 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.696 min
Delta R.T.: 0.002 min
Response: 1455085541
Conc: 697.59 ng/ml

Response_ Signal: PS032154.D\ECD1A.ch

#3 4-Nitrophenol

R.T.: 7.093 min
Delta R.T.: 0.004 min
Response: 815326931
Conc: 610.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PS032154.D\ECD2B.ch

#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: 0.011 min
Response: 1184008979
Conc: 780.28 ng/ml

Time

Response_ Signal: PS032154.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.278 min
Delta R.T.: -0.001 min
Response: 3767041854
Conc: 790.23 ng/ml

Time

Response_ Signal: PS032154.D\ECD2B.ch

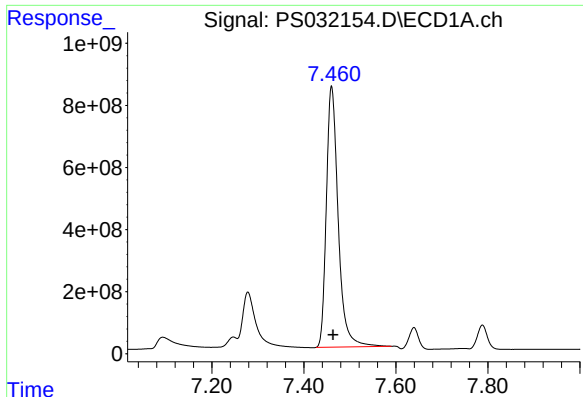
#4 2,4-DCAA

R.T.: 7.743 min
Delta R.T.: 0.002 min
Response: 942490005
Conc: 856.54 ng/ml

Time

Response_ Signal: PS032154.D\ECD2B.ch

Time



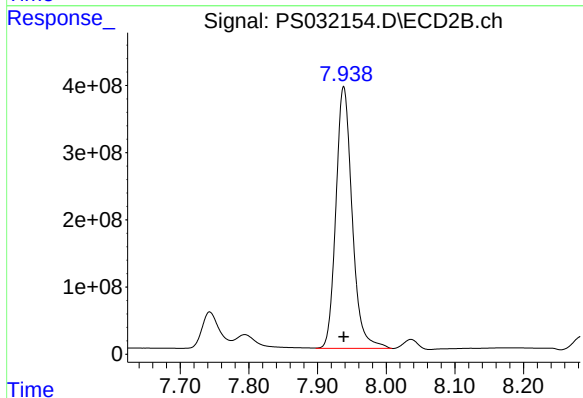
#5 DICAMBA

R.T.: 7.460 min
Delta R.T.: -0.004 min
Response: 15009770037
Conc: 716.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

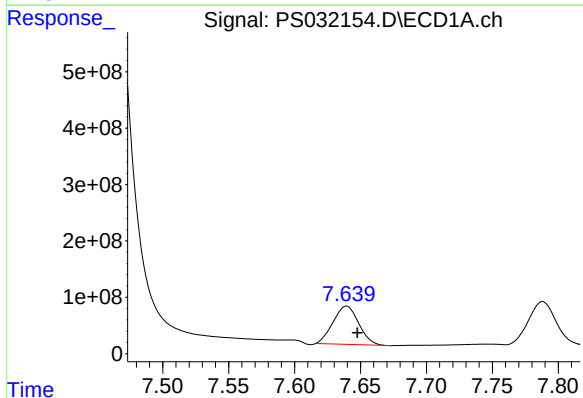
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



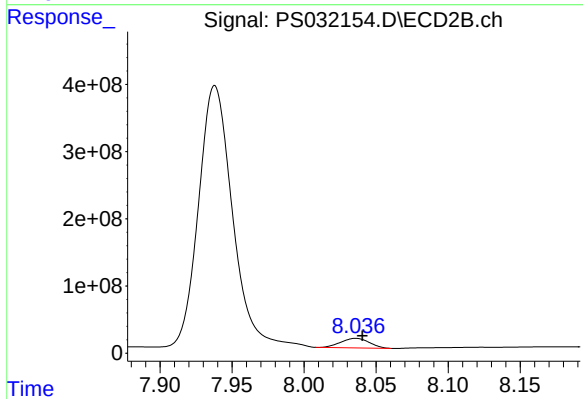
#5 DICAMBA

R.T.: 7.938 min
Delta R.T.: 0.000 min
Response: 6406594370
Conc: 739.72 ng/ml



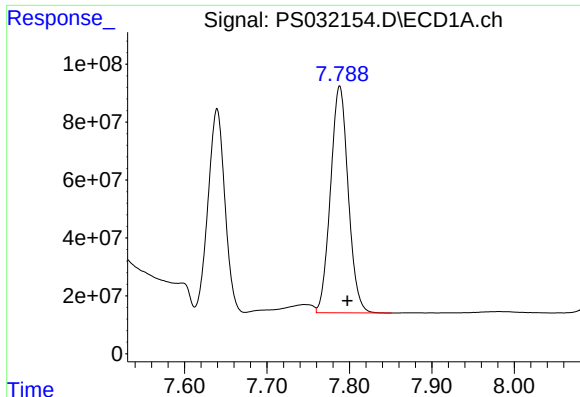
#6 MCP

R.T.: 7.639 min
Delta R.T.: -0.008 min
Response: 919328288
Conc: 75.18 ug/ml



#6 MCP

R.T.: 8.036 min
Delta R.T.: -0.004 min
Response: 196214911
Conc: 79.05 ug/ml



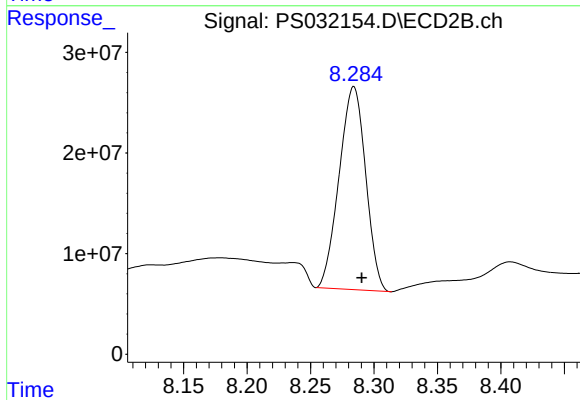
#7 MCPA

R.T.: 7.788 min
Delta R.T.: -0.010 min
Response: 1168561106
Conc: 79.41 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

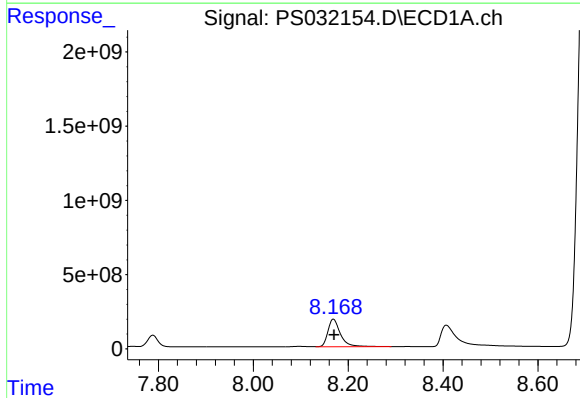
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



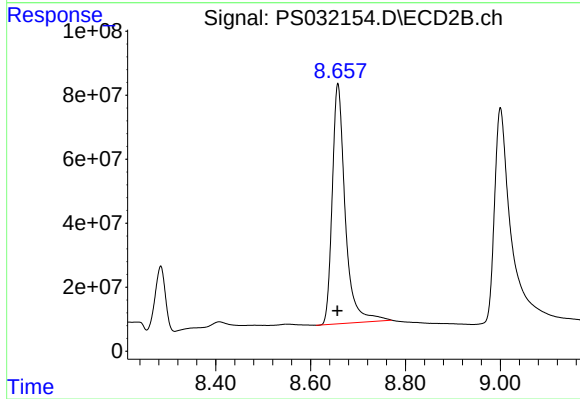
#7 MCPA

R.T.: 8.284 min
Delta R.T.: -0.006 min
Response: 293503293
Conc: 77.80 ug/ml



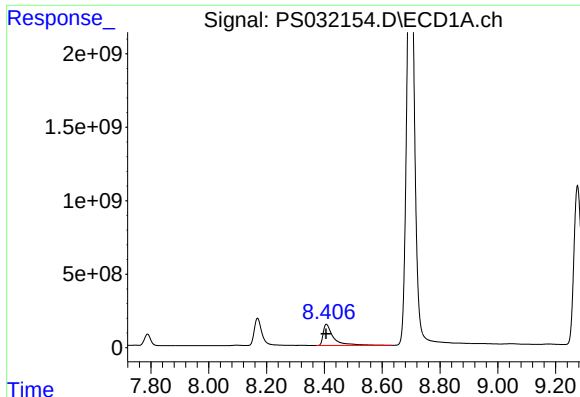
#8 DICHLORPROP

R.T.: 8.169 min
Delta R.T.: -0.002 min
Response: 3375763532
Conc: 710.07 ng/ml



#8 DICHLORPROP

R.T.: 8.658 min
Delta R.T.: 0.001 min
Response: 1427133137
Conc: 728.78 ng/ml



#9 2,4-D

R.T.: 8.407 min
Delta R.T.: 0.000 min
Response: 3560437867
Conc: 733.22 ng/ml

Instrument :

ECD_S

ClientSampleId :

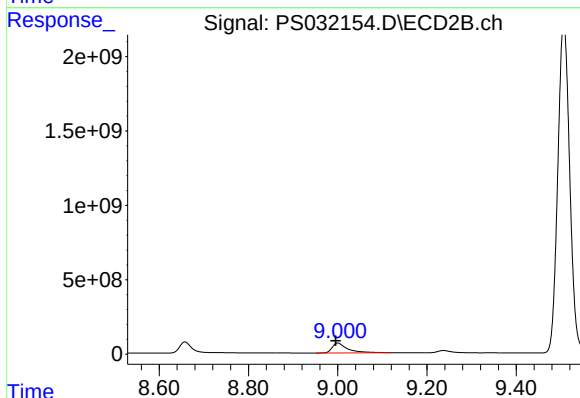
HSTDCCC750

Manual Integrations

APPROVED

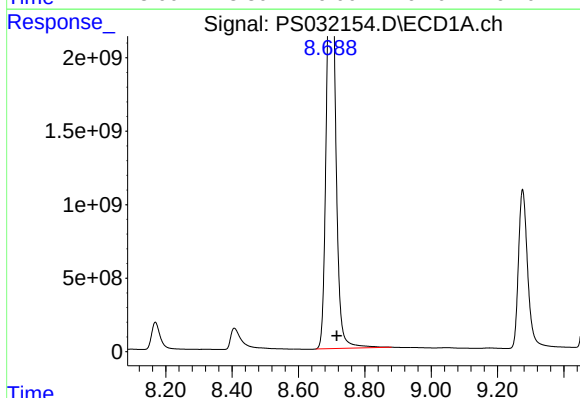
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



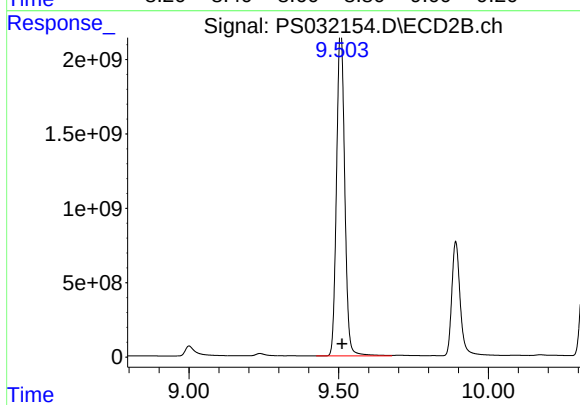
#9 2,4-D

R.T.: 9.000 min
Delta R.T.: 0.005 min
Response: 1583379969
Conc: 761.86 ng/ml



#10 Pentachlorophenol

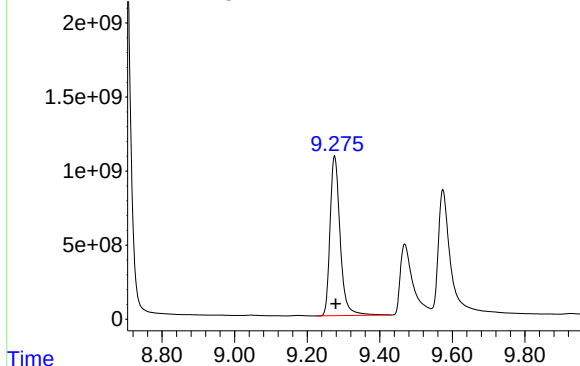
R.T.: 8.704 min
Delta R.T.: -0.012 min
Response: 49470645670
Conc: 737.05 ng/ml



#10 Pentachlorophenol

R.T.: 9.506 min
Delta R.T.: -0.006 min
Response: 41376198753
Conc: 798.40 ng/ml

Response_ Signal: PS032154.D\ECD1A.ch



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

R.T.: 9.275 min
Delta R.T.: -0.003 min
Response: 20854796835
Conc: 738.43 ng/ml

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

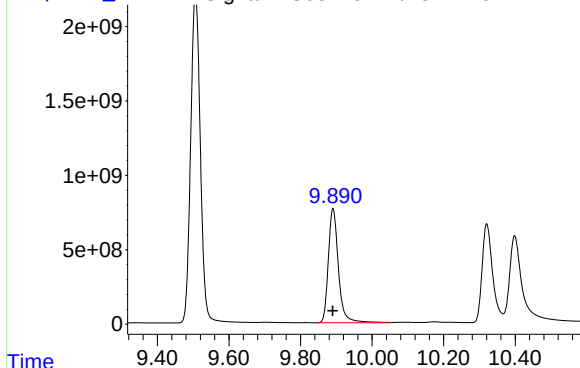
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

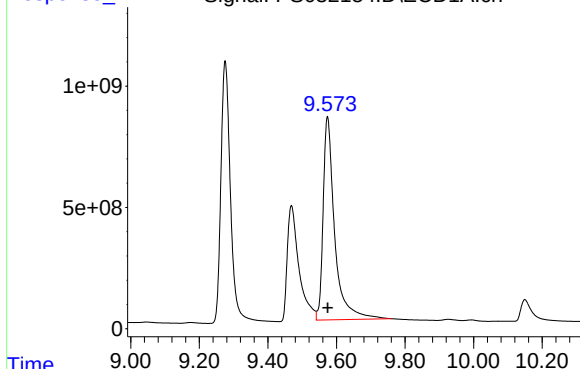
Time Response_ Signal: PS032154.D\ECD2B.ch



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

R.T.: 9.891 min
Delta R.T.: 0.000 min
Response: 15056355975
Conc: 750.01 ng/ml

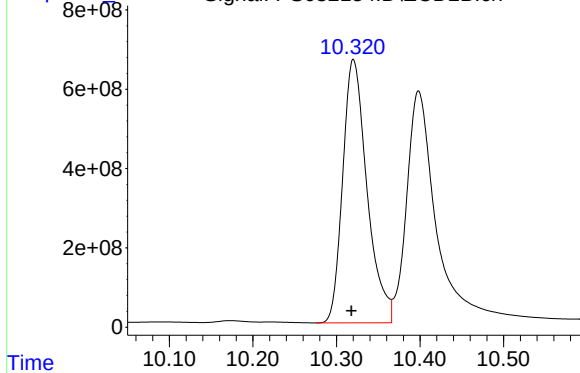
Time Response_ Signal: PS032154.D\ECD1A.ch



#12 2,4,5-T

R.T.: 9.574 min
Delta R.T.: 0.000 min
Response: 19598053093
Conc: 776.34 ng/ml

Time Response_ Signal: PS032154.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.320 min
Delta R.T.: 0.002 min
Response: 13432994820
Conc: 783.51 ng/ml

Response_ Signal: PS032154.D\ECD1A.ch

#13 2,4-DB

R.T.: 10.149 min
Delta R.T.: 0.000 min
Response: 2227270039
Conc: 718.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PS032154.D\ECD2B.ch

#13 2,4-DB

R.T.: 10.889 min
Delta R.T.: 0.003 min
Response: 972651730
Conc: 752.77 ng/ml

Time

Response_ Signal: PS032154.D\ECD1A.ch

#14 DINOSEB

R.T.: 11.341 min
Delta R.T.: -0.005 min
Response: 15920921344
Conc: 713.91 ng/ml

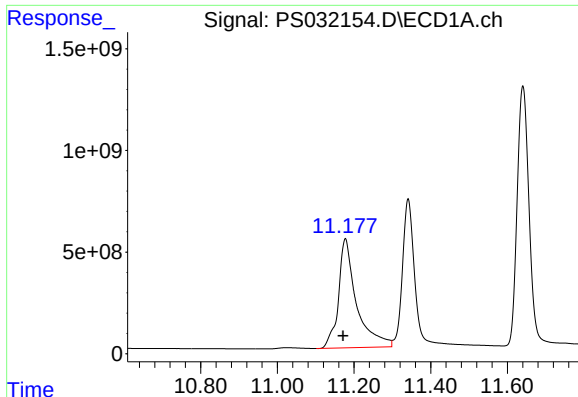
Time

Response_ Signal: PS032154.D\ECD2B.ch

#14 DINOSEB

R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 11360134615
Conc: 747.23 ng/ml

Time



#15 Picloram

R.T.: 11.177 min
Delta R.T.: 0.006 min
Response: 17601900966
Conc: 746.54 ng/ml

Instrument :

ECD_S

ClientSampleId :

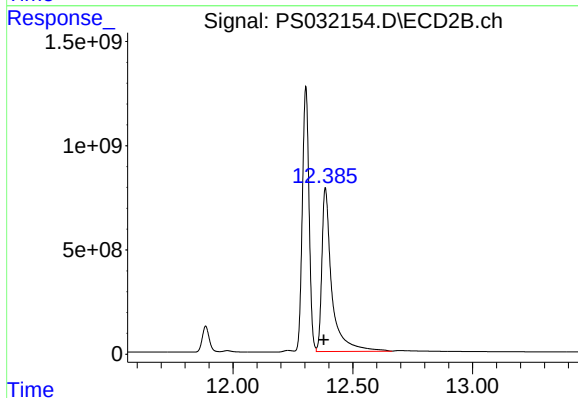
HSTDCCC750

Manual Integrations

APPROVED

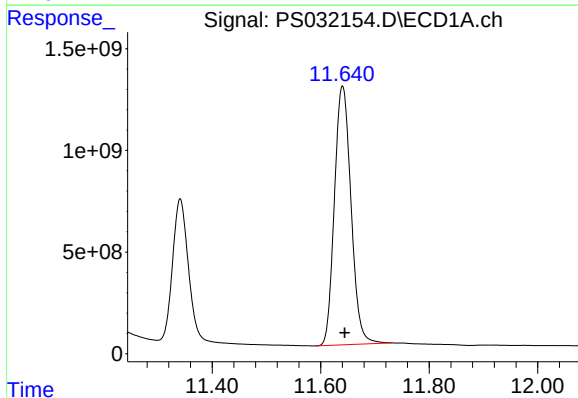
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



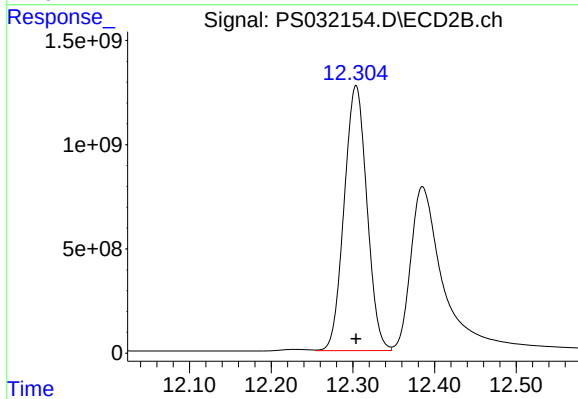
#15 Picloram

R.T.: 12.385 min
Delta R.T.: 0.006 min
Response: 22873096139
Conc: 687.04 ng/ml



#16 DCPA

R.T.: 11.640 min
Delta R.T.: -0.004 min
Response: 27039557233
Conc: 735.97 ng/ml



#16 DCPA

R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 24622508377
Conc: 741.38 ng/ml

Analytical Sequence

Client: ICE Service Group, Inc.	SDG No.: Q3399
Project: NWIRP Northrup Grumman Site – Bethpage	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 10/13/2025 10/13/2025

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	10/13/2025	10:29	PS031982.D	7.29	0.00
HSTDICC200	HSTDICC200	10/13/2025	10:53	PS031983.D	7.29	0.00
HSTDICC500	HSTDICC500	10/13/2025	11:17	PS031984.D	7.28	0.00
HSTDICC750	HSTDICC750	10/13/2025	11:41	PS031985.D	7.28	0.00
HSTDICC1000	HSTDICC1000	10/13/2025	12:05	PS031986.D	7.28	0.00
HSTDICC1500	HSTDICC1500	10/13/2025	12:29	PS031987.D	7.28	0.00
IBLK	IBLK	10/23/2025	09:40	PS032131.D	7.29	0.00
HSTDCCC750	HSTDCCC750	10/23/2025	10:04	PS032132.D	7.28	0.00
PB170220BL	PB170220BL	10/23/2025	10:31	PS032133.D	7.28	0.00
PB170220BS	PB170220BS	10/23/2025	10:55	PS032134.D	7.28	0.00
COMP-ROLLOFF	Q3399-02	10/23/2025	11:44	PS032136.D	7.28	0.00
IBLK	IBLK	10/23/2025	14:36	PS032143.D	7.28	0.00
HSTDCCC750	HSTDCCC750	10/23/2025	15:00	PS032144.D	7.28	0.00
COMP-ROLLOFFMS	Q3399-02MS	10/23/2025	15:25	PS032145.D	7.28	0.00
COMP-ROLLOFFMSD	Q3399-02MSD	10/23/2025	15:49	PS032146.D	7.28	0.00
IBLK	IBLK	10/23/2025	16:49	PS032147.D	7.28	0.00
HSTDCCC750	HSTDCCC750	10/23/2025	17:13	PS032148.D	7.28	0.00
IBLK	IBLK	10/24/2025	10:10	PS032150.D	7.29	0.00
HSTDCCC750	HSTDCCC750	10/24/2025	10:34	PS032151.D	7.28	0.00
PB170172TB	PB170172TB	10/24/2025	12:28	PS032152.D	7.28	0.00
IBLK	IBLK	10/24/2025	14:04	PS032153.D	7.28	0.00
HSTDCCC750	HSTDCCC750	10/24/2025	14:28	PS032154.D	7.28	0.00

Analytical Sequence

Client: ICE Service Group, Inc.	SDG No.: Q3399
Project: NWIRP Northrup Grumman Site – Bethpage	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/13/2025 10/13/2025

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	10/13/2025	10:29	PS031982.D	7.75	0.00
HSTDICC200	HSTDICC200	10/13/2025	10:53	PS031983.D	7.76	0.00
HSTDICC500	HSTDICC500	10/13/2025	11:17	PS031984.D	7.75	0.00
HSTDICC750	HSTDICC750	10/13/2025	11:41	PS031985.D	7.74	0.00
HSTDICC1000	HSTDICC1000	10/13/2025	12:05	PS031986.D	7.74	0.00
HSTDICC1500	HSTDICC1500	10/13/2025	12:29	PS031987.D	7.74	0.00
IBLK	IBLK	10/23/2025	09:40	PS032131.D	7.75	0.00
HSTDCCC750	HSTDCCC750	10/23/2025	10:04	PS032132.D	7.74	0.00
PB170220BL	PB170220BL	10/23/2025	10:31	PS032133.D	7.75	0.00
PB170220BS	PB170220BS	10/23/2025	10:55	PS032134.D	7.75	0.00
COMP-ROLLOFF	Q3399-02	10/23/2025	11:44	PS032136.D	7.74	0.00
IBLK	IBLK	10/23/2025	14:36	PS032143.D	7.75	0.00
HSTDCCC750	HSTDCCC750	10/23/2025	15:00	PS032144.D	7.74	0.00
COMP-ROLLOFFMS	Q3399-02MS	10/23/2025	15:25	PS032145.D	7.74	0.00
COMP-ROLLOFFMSD	Q3399-02MSD	10/23/2025	15:49	PS032146.D	7.74	0.00
IBLK	IBLK	10/23/2025	16:49	PS032147.D	7.75	0.00
HSTDCCC750	HSTDCCC750	10/23/2025	17:13	PS032148.D	7.74	0.00
IBLK	IBLK	10/24/2025	10:10	PS032150.D	7.75	0.00
HSTDCCC750	HSTDCCC750	10/24/2025	10:34	PS032151.D	7.74	0.00
PB170172TB	PB170172TB	10/24/2025	12:28	PS032152.D	7.75	0.00
IBLK	IBLK	10/24/2025	14:04	PS032153.D	7.75	0.00
HSTDCCC750	HSTDCCC750	10/24/2025	14:28	PS032154.D	7.74	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-ROLLOFFMS

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab Sample ID: Q3399-02MS

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.41	8.36	8.46	25.1	14.8
	2	9.00	8.95	9.05	29.1	
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	24.5	22.1
	2	9.89	9.84	9.94	30.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-ROLLOFFMSD

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab Sample ID: Q3399-02MSD

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.41	8.36	8.46	24.5	15.8
	2	9.00	8.95	9.05	28.7	
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	24.1	22.8
	2	9.89	9.84	9.94	30.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170220BS

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab Sample ID: PB170220BS

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	4.80	0
	2	9.89	9.84	9.94	4.80	
2,4-D	1	8.42	8.37	8.47	4.80	6.5
	2	9.01	8.96	9.06	4.50	



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected:	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID: PB170220BL	SDG No.:	Q3399
Lab Sample ID: PB170220BL	Matrix:	TCLP
Analytical Method: 8151A	% Solid:	0
Sample Wt/Vol: 1000 mL	Test:	TCLP Herbicide
Prep Method: 8151A	Final Vol: 10000 uL	
	Prep Date 10/22/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	1.50	U	1	0.92	1.50	2.00	ug/L	10/23/25 10:31	PB170220
93-72-1	2,4,5-TP (Silvex)	1.50	U	1	0.78	1.50	2.00	ug/L	10/23/25 10:31	PB170220
SURROGATES										
19719-28-9	2,4-DCAA	472			32 - 138		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

Q3399-TCLP Herbicide

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\PS102325\
Data File : PS032133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 10:31
Operator : AR\AJ
Sample : PB170220BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170220BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 11:03:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.282	7.745	1733.4E6	519.4E6	363.624	472.023 #

Target Compounds

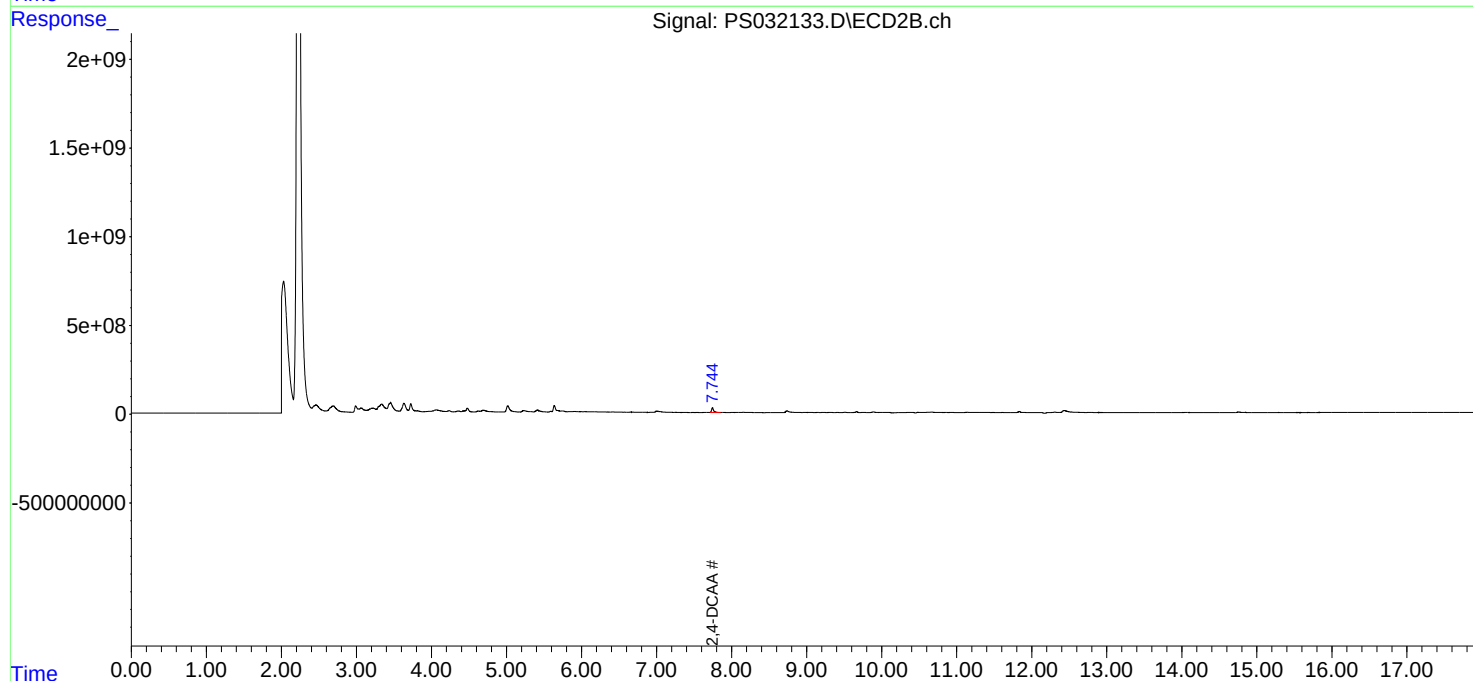
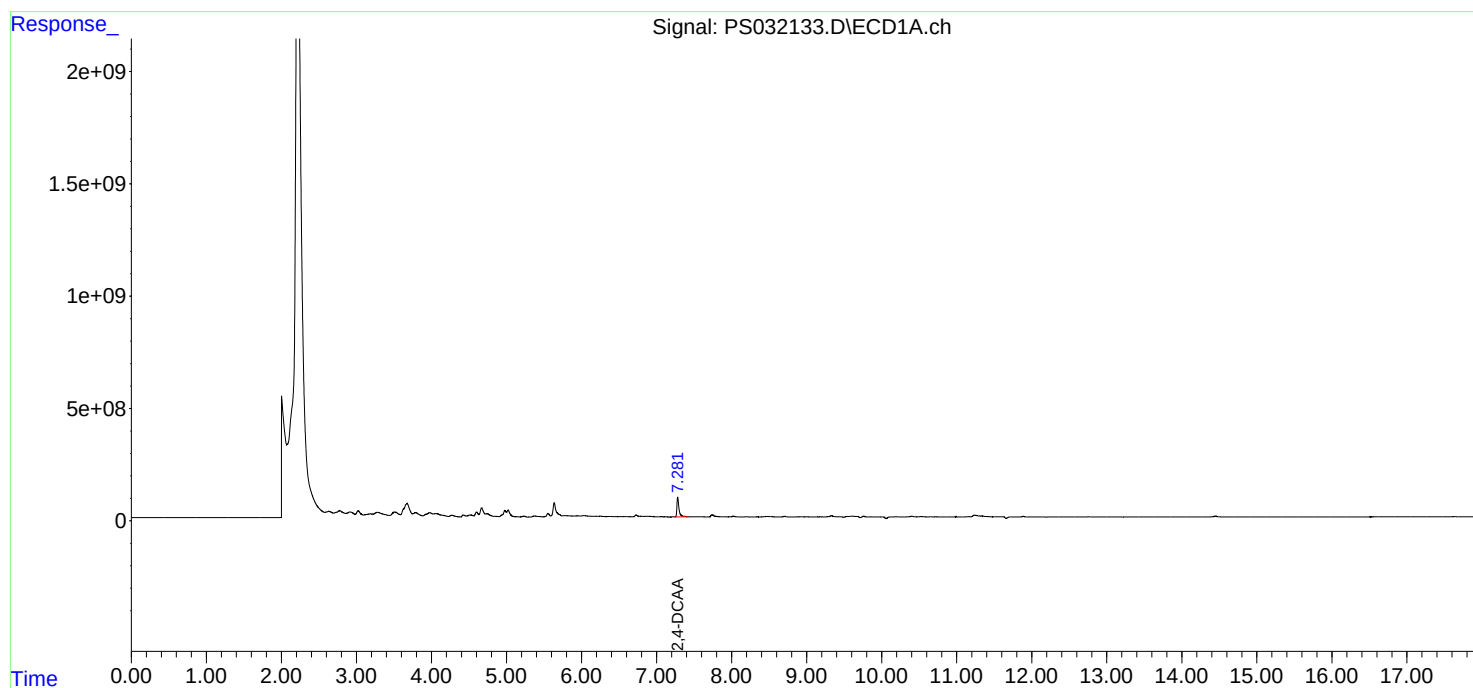
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 10:31
Operator : AR\AJ
Sample : PB170220BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170220BL

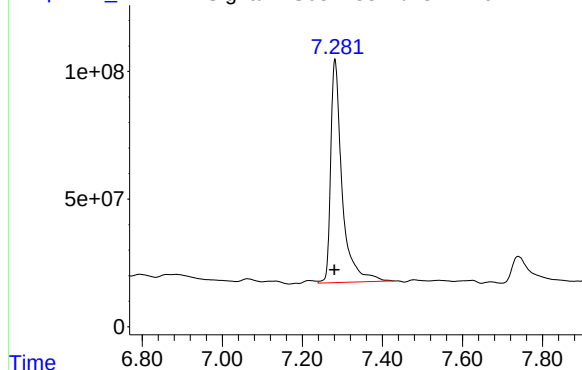
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 11:03:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS032133.D\ECD1A.ch

#4 2,4-DCAA

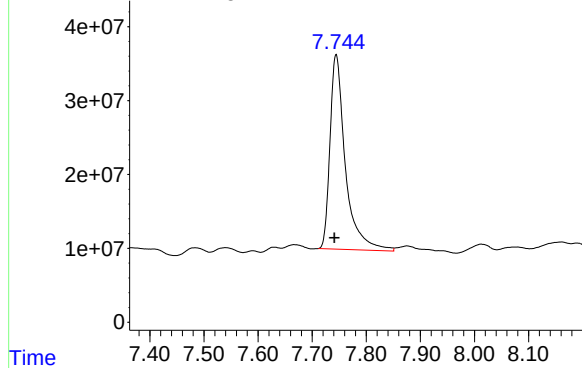


R.T.: 7.282 min
Delta R.T.: 0.002 min
Response: 1733409021
Conc: 363.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BL

Signal: PS032133.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.745 min
Delta R.T.: 0.004 min
Response: 519386143
Conc: 472.02 ng/ml

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/13/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/13/25	
Client Sample ID: PIBLK-PS031982.D	SDG No.: Q3399	
Lab Sample ID: I.BLK-PS031982.D	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 10000 uL	Test: TCLP Herbicide	
Prep Method:	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	1.50	U	1	0.92	1.50	2.00	ug/L	10/13/25	PS101325
93-72-1	2,4,5-TP (Silvex)	1.50	U	1	0.78	1.50	2.00	ug/L	10/13/25	PS101325
SURROGATES										
19719-28-9	2,4-DCAA	407			32 - 138		81%	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

Q3399-TCLP Herbicide

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\PS101325\
Data File : PS031982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 10:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 13 13:21:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.289	7.750	1467.2E6	448.2E6	307.777	407.294m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 10:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

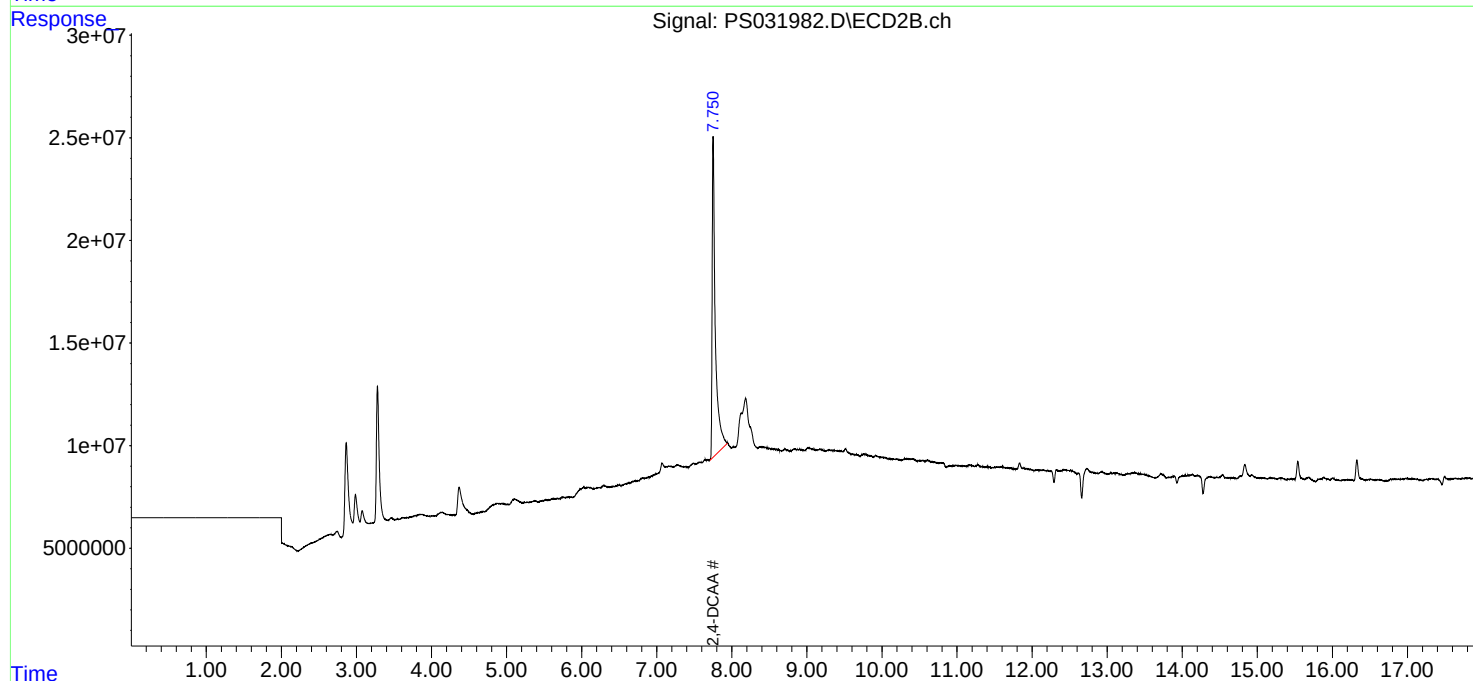
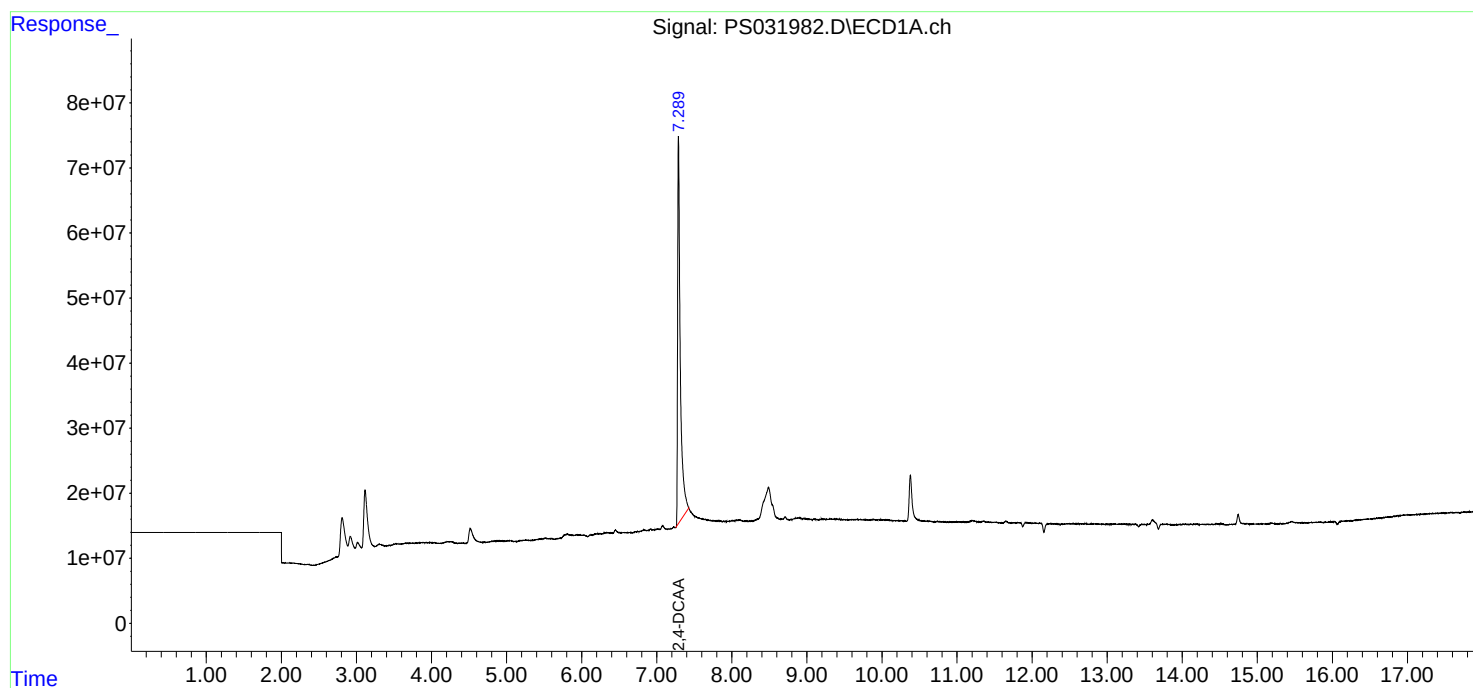
Instrument :
ECD_S
ClientSampleId :
I.BLK

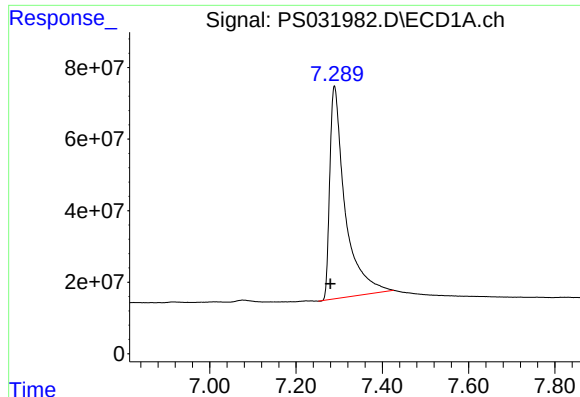
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/14/2025
Supervised By : mohammad ahmed 10/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 13 13:21:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





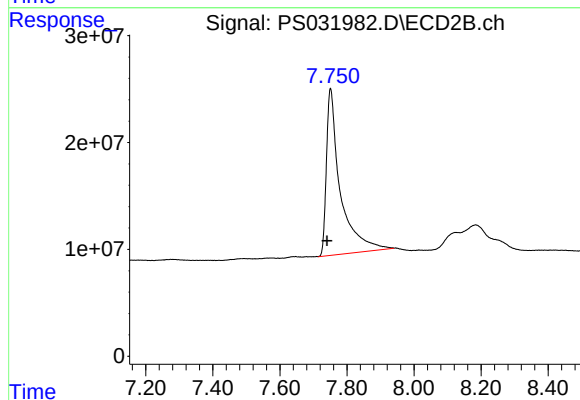
#4 2,4-DCAA

R.T.: 7.289 min
Delta R.T.: 0.010 min
Response: 1467182011
Conc: 307.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



#4 2,4-DCAA

R.T.: 7.750 min
Delta R.T.: 0.009 min
Response: 448161624
Conc: 407.29 ng/ml m

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/23/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/23/25	
Client Sample ID: PIBLK-PS032131.D	SDG No.: Q3399	
Lab Sample ID: I.BLK-PS032131.D	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 10000 uL	Test: TCLP Herbicide	
Prep Method:	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	1.50	U	1	0.92	1.50	2.00	ug/L	10/23/25	PS102325
93-72-1	2,4,5-TP (Silvex)	1.50	U	1	0.78	1.50	2.00	ug/L	10/23/25	PS102325
SURROGATES										
19719-28-9	2,4-DCAA	504			32 - 138		101%	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

Q3399-TCLP Herbicide

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\PS102325\
Data File : PS032131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 09:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 17:30:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.286	7.751	1941.5E6	554.4E6	407.269	503.869

Target Compounds

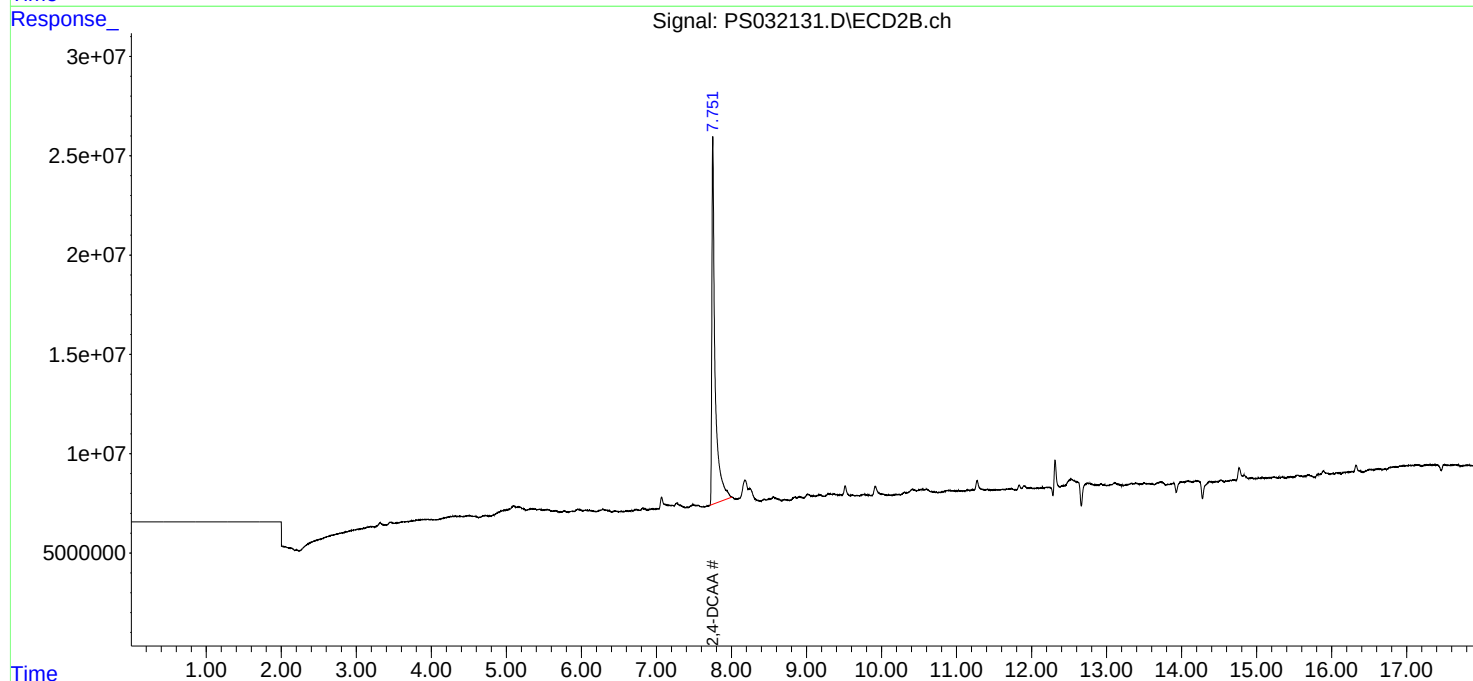
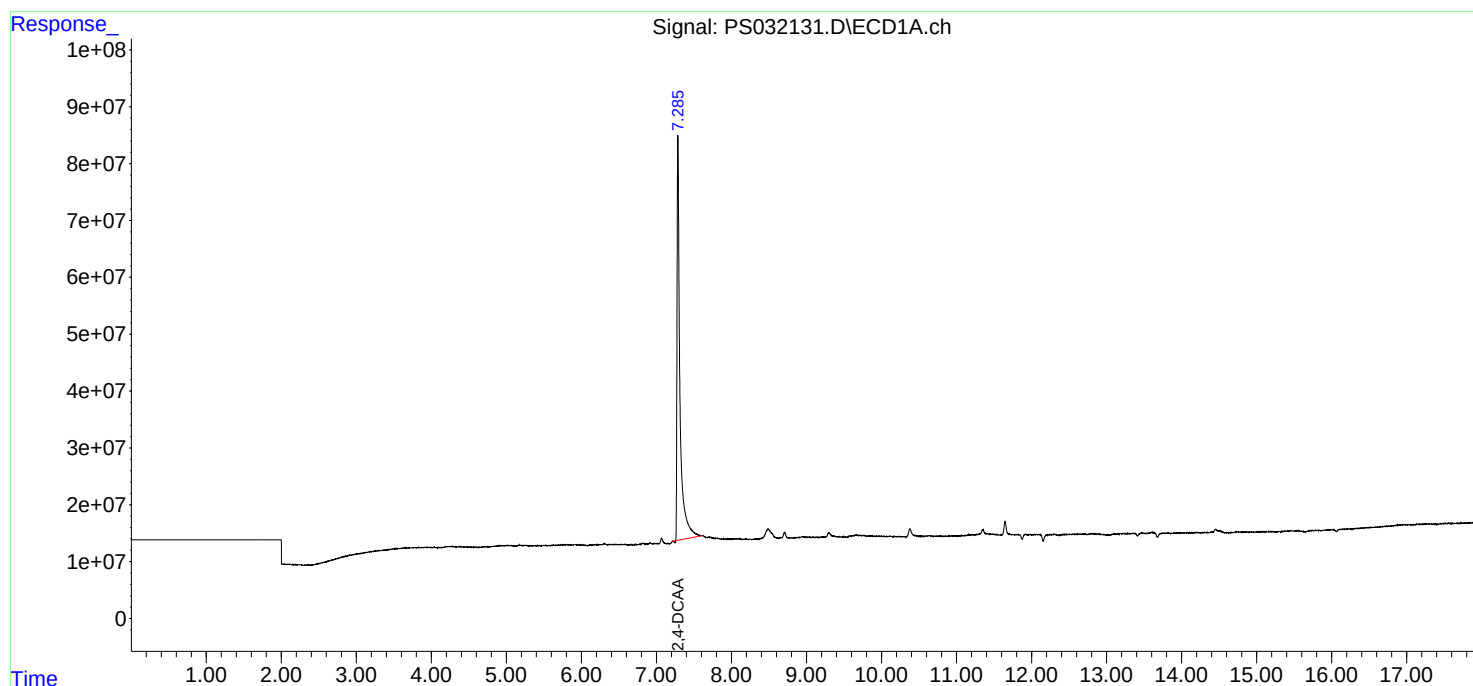
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

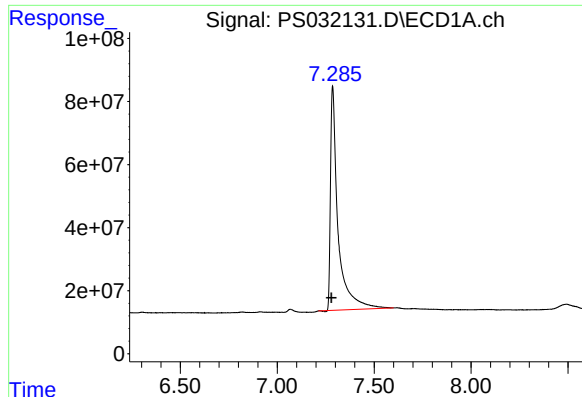
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 09:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 17:30:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

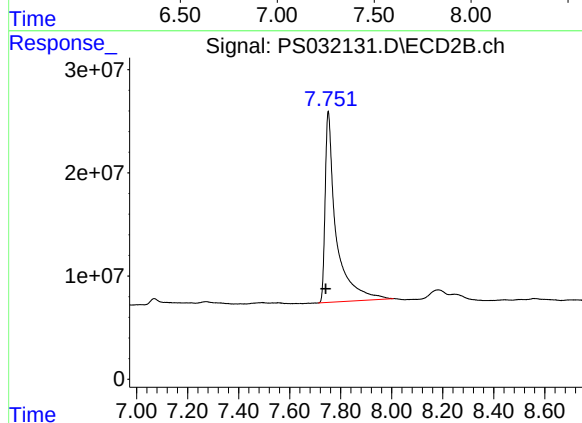




#4 2,4-DCAA

R.T.: 7.286 min
Delta R.T.: 0.006 min
Response: 1941464997
Conc: 407.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.751 min
Delta R.T.: 0.010 min
Response: 554427605
Conc: 503.87 ng/ml

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/23/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/23/25
Client Sample ID:	PIBLK-PS032143.D	SDG No.:	Q3399
Lab Sample ID:	I.BLK-PS032143.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL
Prep Method:		Test:	TCLP Herbicide
	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	1.50	U	1	0.92	1.50	2.00	ug/L	10/23/25	PS102325
93-72-1	2,4,5-TP (Silvex)	1.50	U	1	0.78	1.50	2.00	ug/L	10/23/25	PS102325
SURROGATES										
19719-28-9	2,4-DCAA	506			32 - 138		101%	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

Q3399-TCLP Herbicide

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\PS102325\
Data File : PS032143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 14:36
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 24 04:41:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.281	7.748	1982.9E6	556.5E6	415.955	505.763

Target Compounds

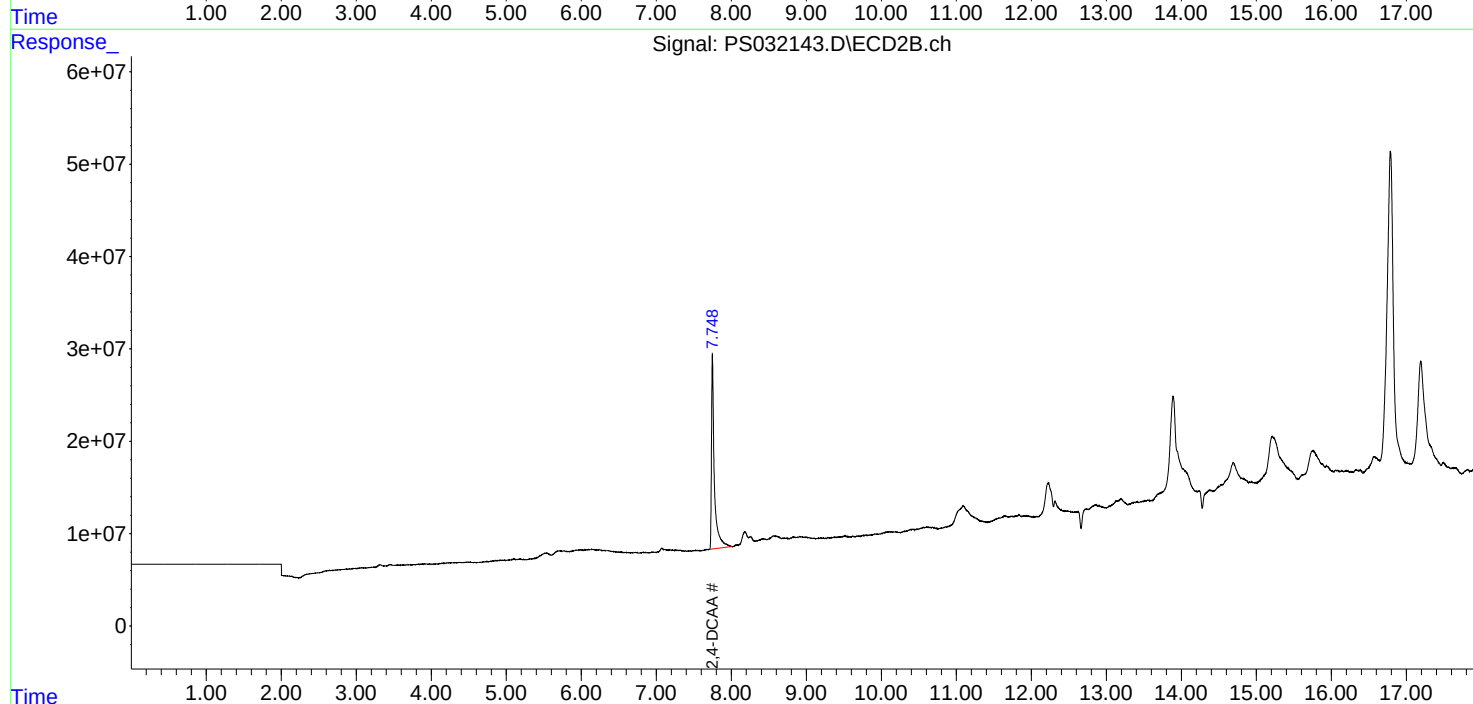
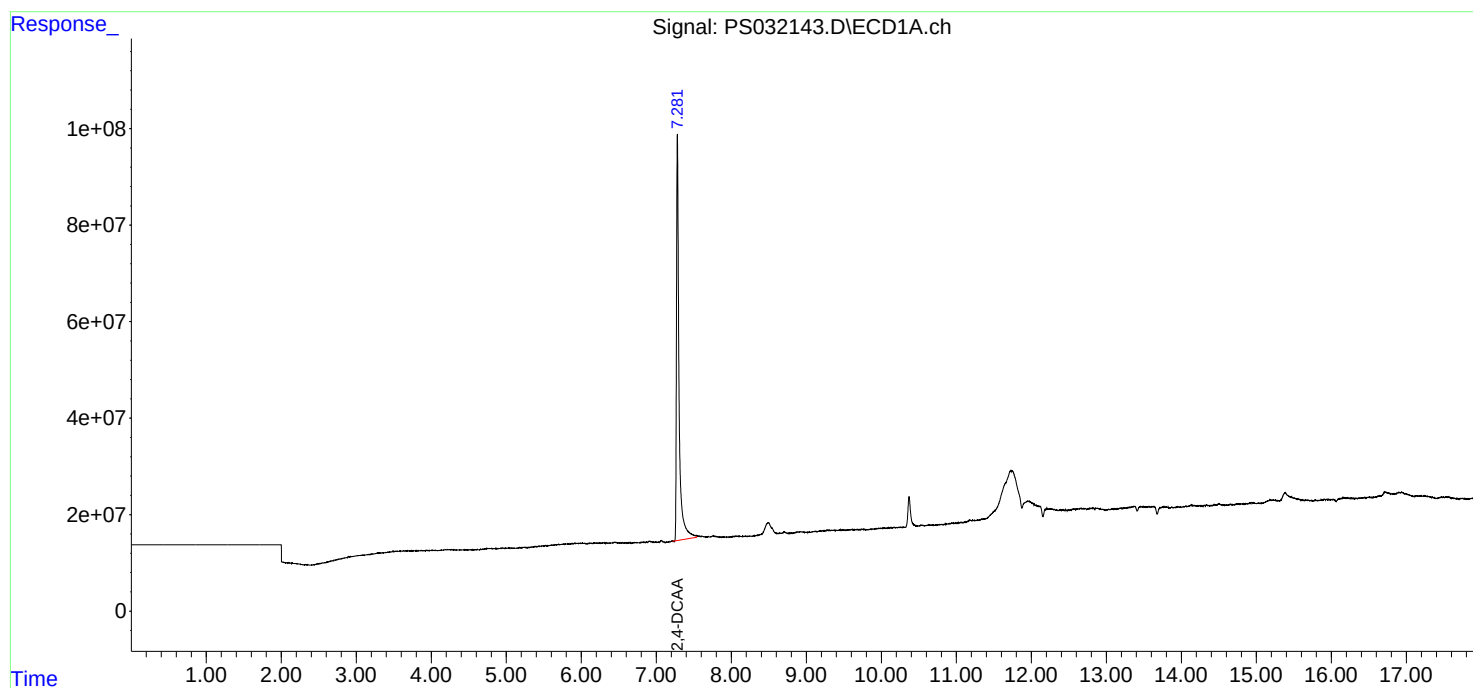
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 14:36
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

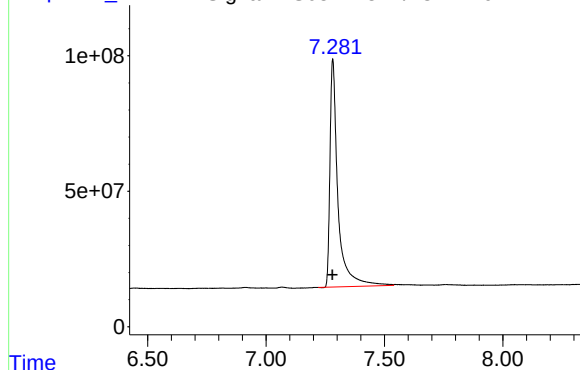
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:41:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PS032143.D\ECD1A.ch

#4 2,4-DCAA

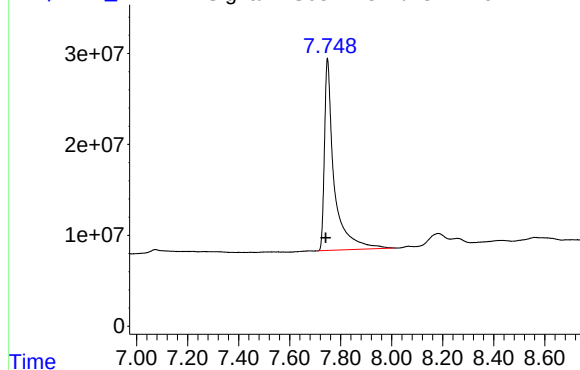


R.T.: 7.281 min
Delta R.T.: 0.002 min
Response: 1982873183
Conc: 415.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Time Response_ Signal: PS032143.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.748 min
Delta R.T.: 0.007 min
Response: 556511907
Conc: 505.76 ng/ml

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/23/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/23/25	
Client Sample ID: PIBLK-PS032147.D	SDG No.: Q3399	
Lab Sample ID: I.BLK-PS032147.D	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 10000 uL	Test: TCLP Herbicide	
Prep Method:	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	1.50	U	1	0.92	1.50	2.00	ug/L	10/23/25	PS102325
93-72-1	2,4,5-TP (Silvex)	1.50	U	1	0.78	1.50	2.00	ug/L	10/23/25	PS102325
SURROGATES										
19719-28-9	2,4-DCAA	492			32 - 138		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

Q3399-TCLP Herbicide

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\PS102325\
Data File : PS032147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 16:49
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 24 04:43:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.284	7.745	1995.9E6	541.5E6	418.683	492.120

Target Compounds

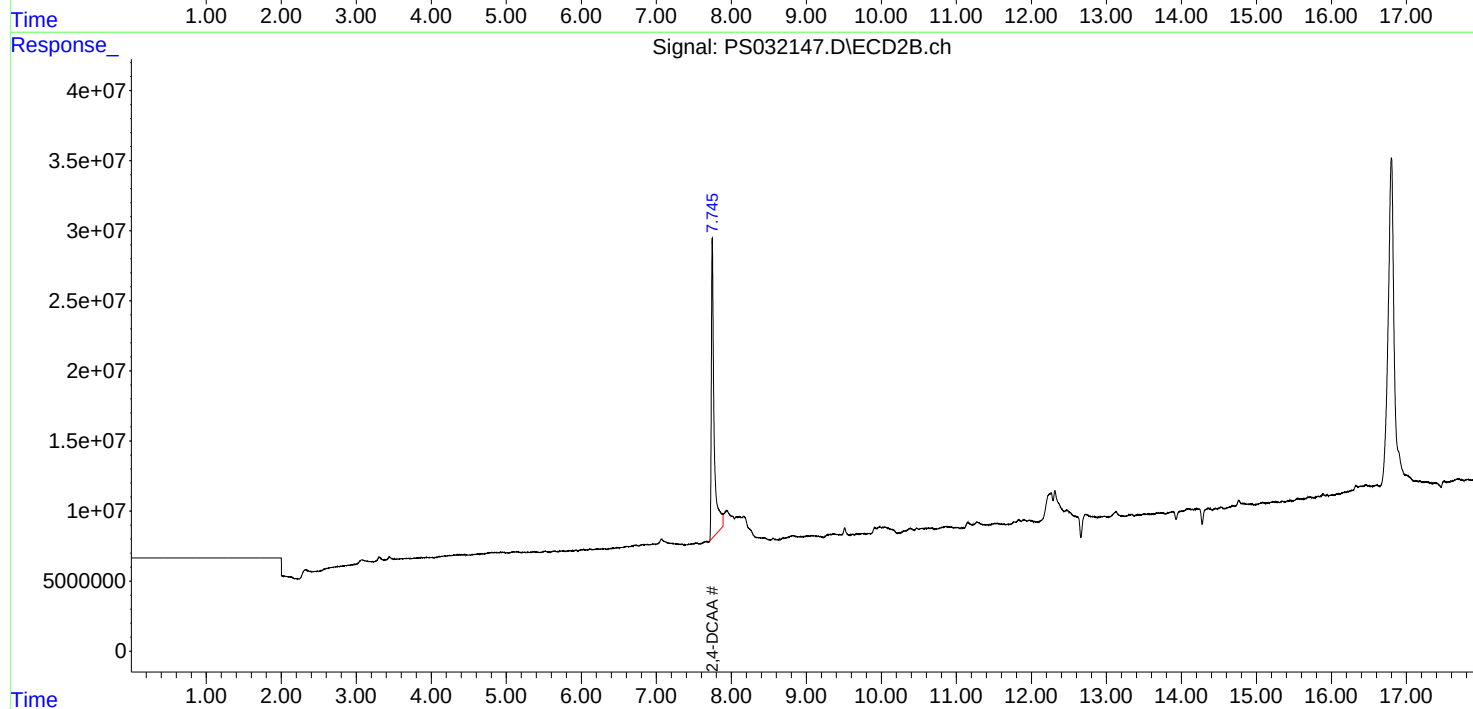
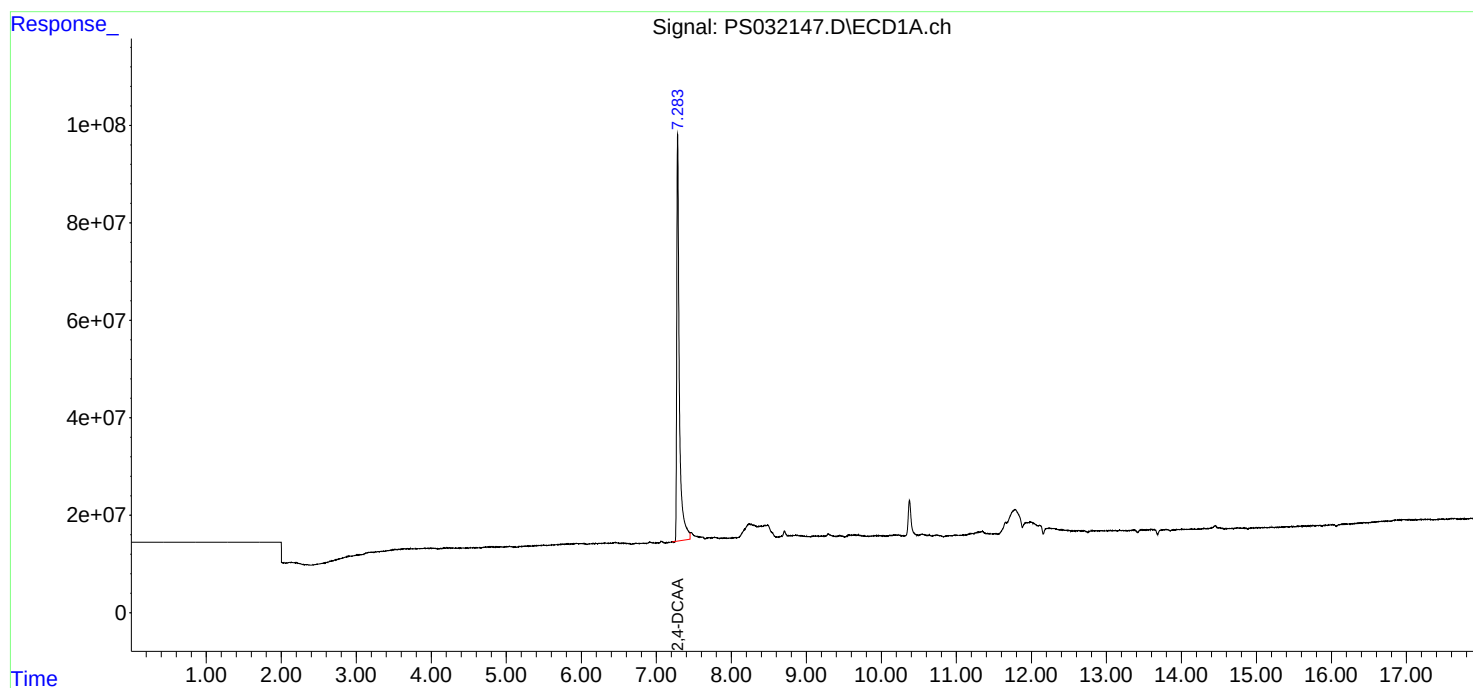
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 16:49
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 24 04:43:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_

Signal: PS032147.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.284 min

Delta R.T.: 0.004 min

Response: 1995877440

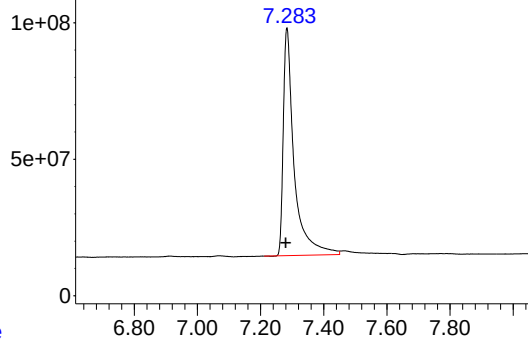
Conc: 418.68 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



Time

Response_

Signal: PS032147.D\ECD2B.ch

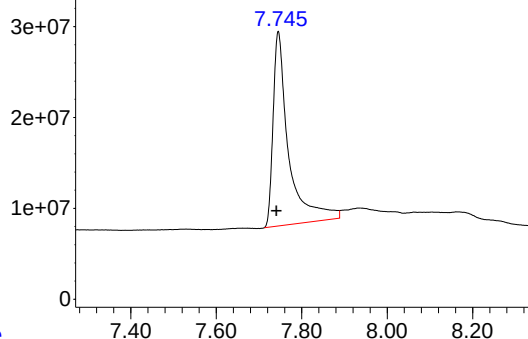
#4 2,4-DCAA

R.T.: 7.745 min

Delta R.T.: 0.004 min

Response: 541499620

Conc: 492.12 ng/ml



Time

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/24/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/24/25
Client Sample ID:	PIBLK-PS032150.D	SDG No.:	Q3399
Lab Sample ID:	I.BLK-PS032150.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL
Prep Method:		Test:	TCLP Herbicide
	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	1.50	U	1	0.92	1.50	2.00	ug/L	10/24/25	pS102425
93-72-1	2,4,5-TP (Silvex)	1.50	U	1	0.78	1.50	2.00	ug/L	10/24/25	pS102425
SURROGATES										
19719-28-9	2,4-DCAA	513			32 - 138		103%	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

Q3399-TCLP Herbicide

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\PS102425\
Data File : PS032150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 10:10
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 25 06:21:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.285	7.753	1717.6E6	564.8E6	360.304	513.280 #

Target Compounds

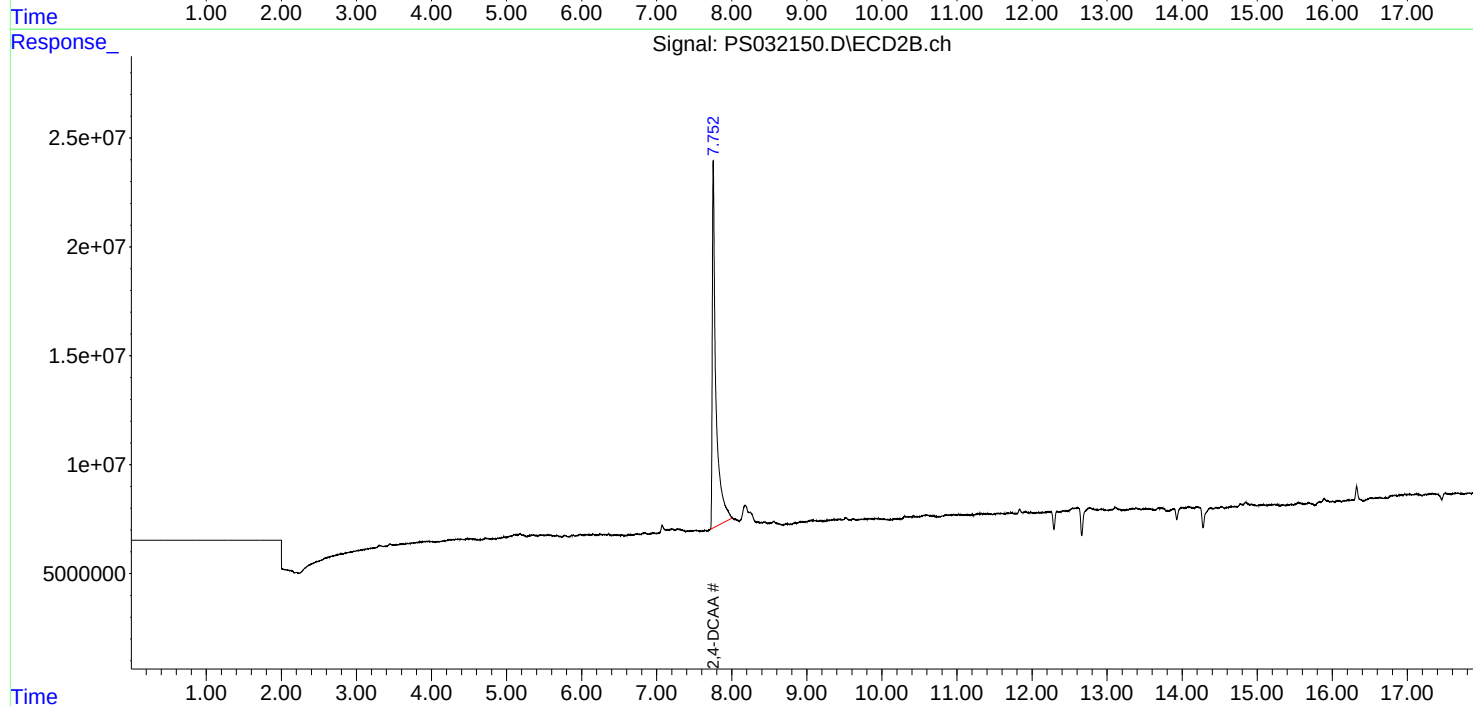
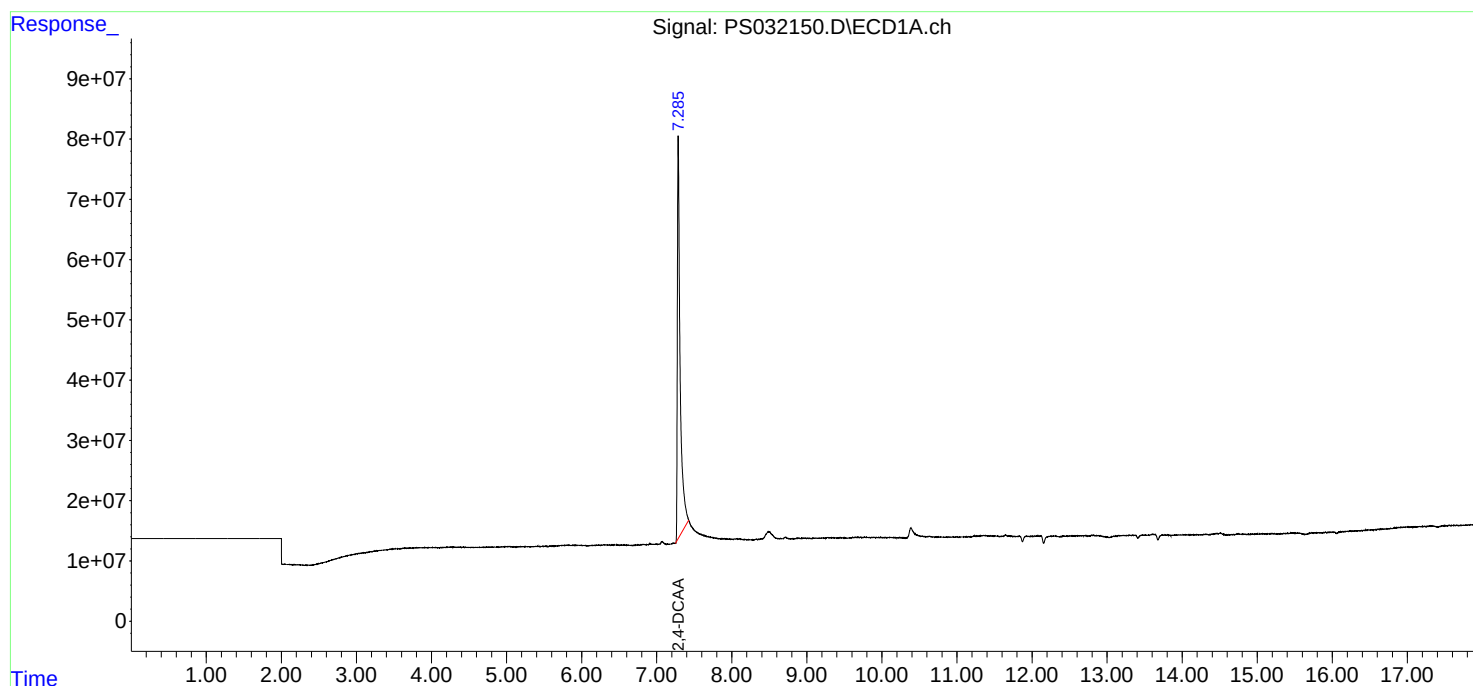
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102425\
Data File : PS032150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 10:10
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 25 06:21:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_

Signal: PS032150.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.285 min
Delta R.T.: 0.006 min
Response: 1717582562
Conc: 360.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Time

Response_

Signal: PS032150.D\ECD2B.ch

#4 2,4-DCAA

R.T.: 7.753 min
Delta R.T.: 0.012 min
Response: 564782908
Conc: 513.28 ng/ml

Time

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/24/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/24/25
Client Sample ID:	PIBLK-PS032153.D	SDG No.:	Q3399
Lab Sample ID:	I.BLK-PS032153.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL
Prep Method:		Test:	TCLP Herbicide
	Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	1.50	U	1	0.92	1.50	2.00	ug/L	10/24/25	pS102425
93-72-1	2,4,5-TP (Silvex)	1.50	U	1	0.78	1.50	2.00	ug/L	10/24/25	pS102425
SURROGATES										
19719-28-9	2,4-DCAA	530			32 - 138		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

Q3399-TCLP Herbicide

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\PS102425\
Data File : PS032153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 14:04
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 25 06:22:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.282	7.750	1864.4E6	583.5E6	391.106	530.301 #

Target Compounds

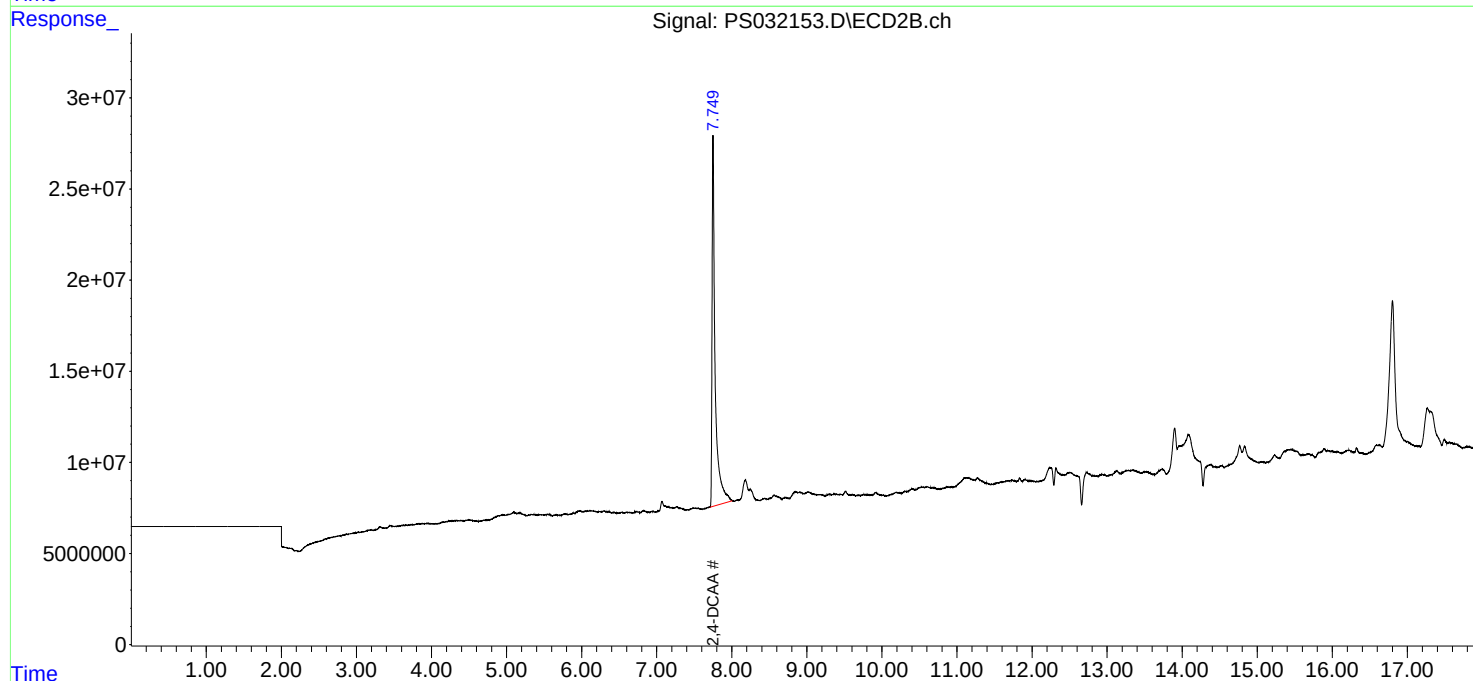
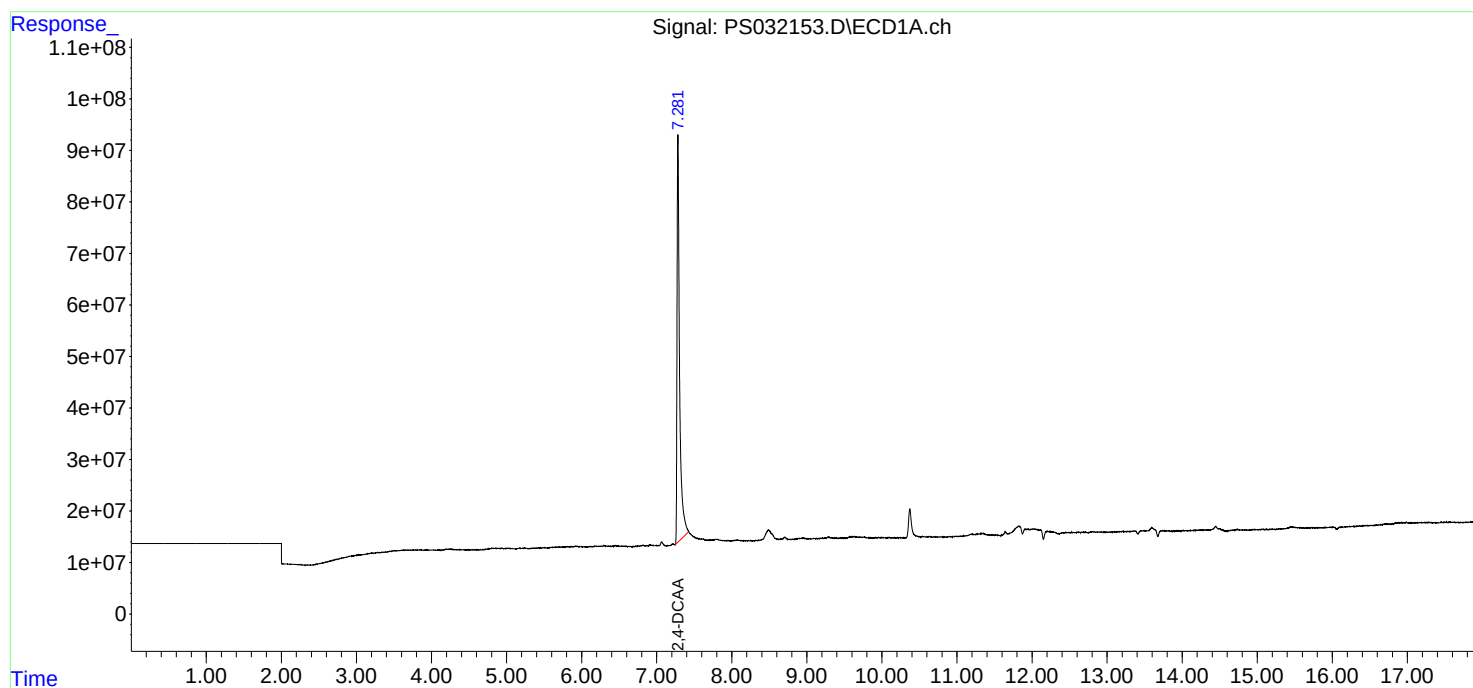
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102425\
Data File : PS032153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 14:04
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

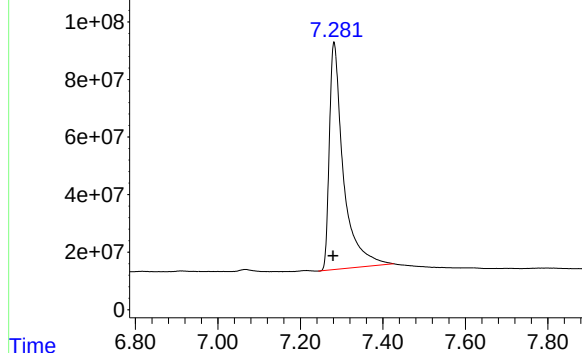
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 06:22:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PS032153.D\ECD1A.ch

#4 2,4-DCAA

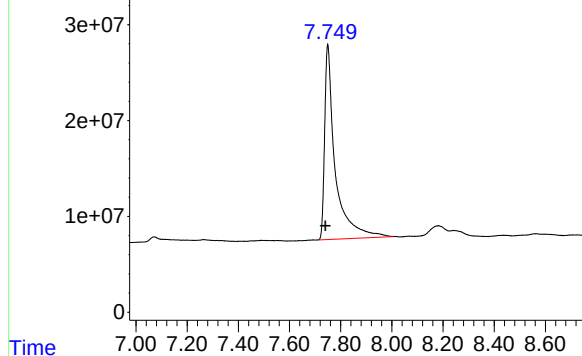


R.T.: 7.282 min
Delta R.T.: 0.002 min
Response: 1864417405
Conc: 391.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Time Response_ Signal: PS032153.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.750 min
Delta R.T.: 0.009 min
Response: 583512144
Conc: 530.30 ng/ml

Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	
Client Sample ID:	PB170220BS		SDG No.:	Q3399
Lab Sample ID:	PB170220BS		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/22/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	4.80		1	0.92	1.50	2.00	ug/L	10/23/25 10:55	PB170220
93-72-1	2,4,5-TP (Silvex)	4.80		1	0.78	1.50	2.00	ug/L	10/23/25 10:55	PB170220
SURROGATES										
19719-28-9	2,4-DCAA	505			32 - 138		101%	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

Q3399-TCLP Herbicide

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\PS102325\
 Data File : PS032134.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 10:55
 Operator : AR\AJ
 Sample : PB170220BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB170220BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 04:37:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.283	7.747	2408.6E6	555.2E6	505.260	504.603
Target Compounds							
1) T	Dalapon	2.662	2.688	3387.4E6	1726.6E6	438.355	459.402
2) T	3,5-DICHL...	6.449	6.701	3325.1E6	969.3E6	472.385	464.719
3) T	4-Nitroph...	7.107	7.318f	522.4E6	631.9E6	391.424	416.420
5) T	DICAMBA	7.463	7.940	10324.4E6	4032.3E6	492.989	465.576
6) T	MCPD	7.639	8.034	528.3E6	106.2E6	43.200	42.779
7) T	MCPA	7.788	8.281	652.6E6	169.1E6	44.343	44.834
8) T	DICHLORPROP	8.172	8.660	2204.3E6	918.3E6	463.668	468.920
9) T	2,4-D	8.415	9.008	2323.1E6	941.2E6	478.402	452.878
10) T	Pentachlo...	8.700	9.508	37287.0E6	26534.4E6	555.531	512.011
11) T	2,4,5-TP ...	9.278	9.894	13463.9E6	9588.6E6	476.733	477.642
12) T	2,4,5-T	9.580	10.326	12176.3E6	8080.6E6	482.337	471.318
13) T	2,4-DB	10.157	10.896	1467.7E6	565.2E6	473.410	437.457
14) T	DINOSEB	11.343	11.264	10292.4E6	6995.0E6	461.525	460.106
15) T	Picloram	11.188	12.397	9996.7E6	13377.4E6	423.988m	401.821
16) T	DCPA	11.642	12.305	17728.7E6	15971.7E6	482.542	480.907

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 10:55
Operator : AR\AJ
Sample : PB170220BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB170220BS

Manual Integrations

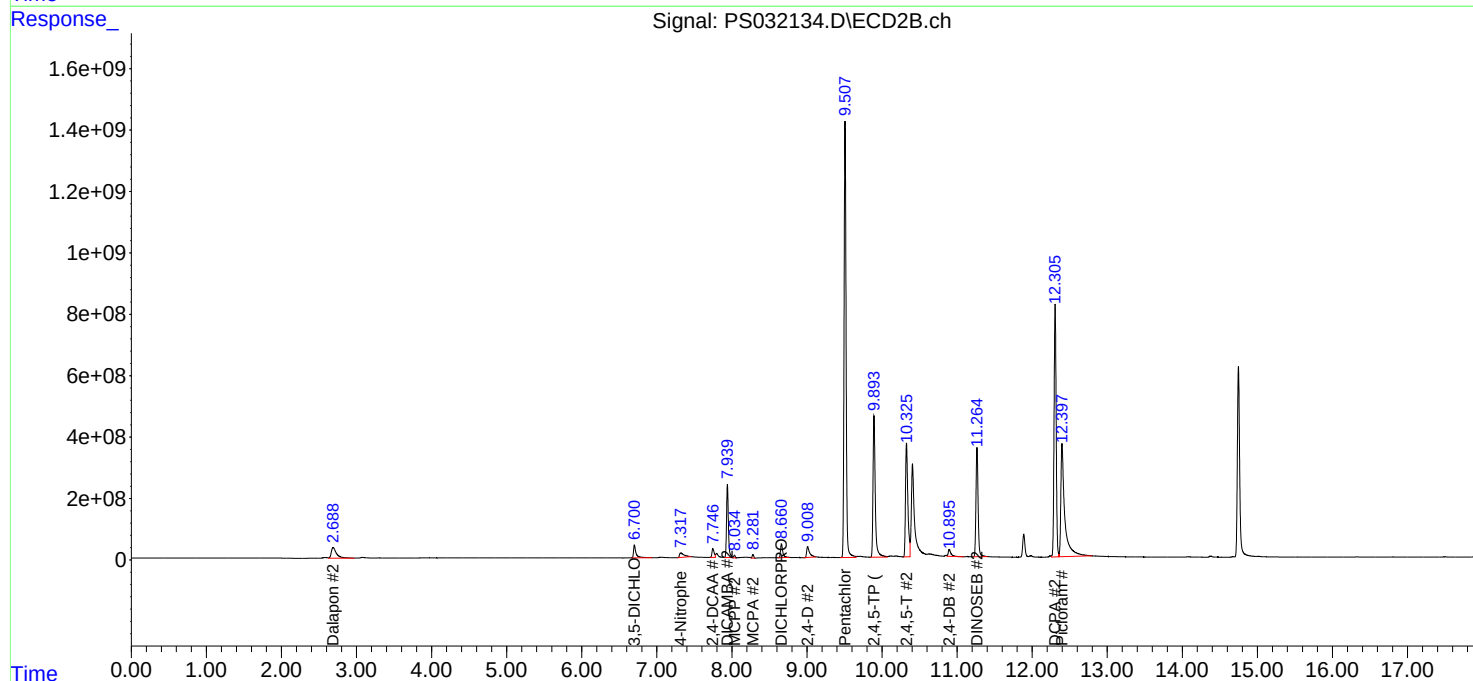
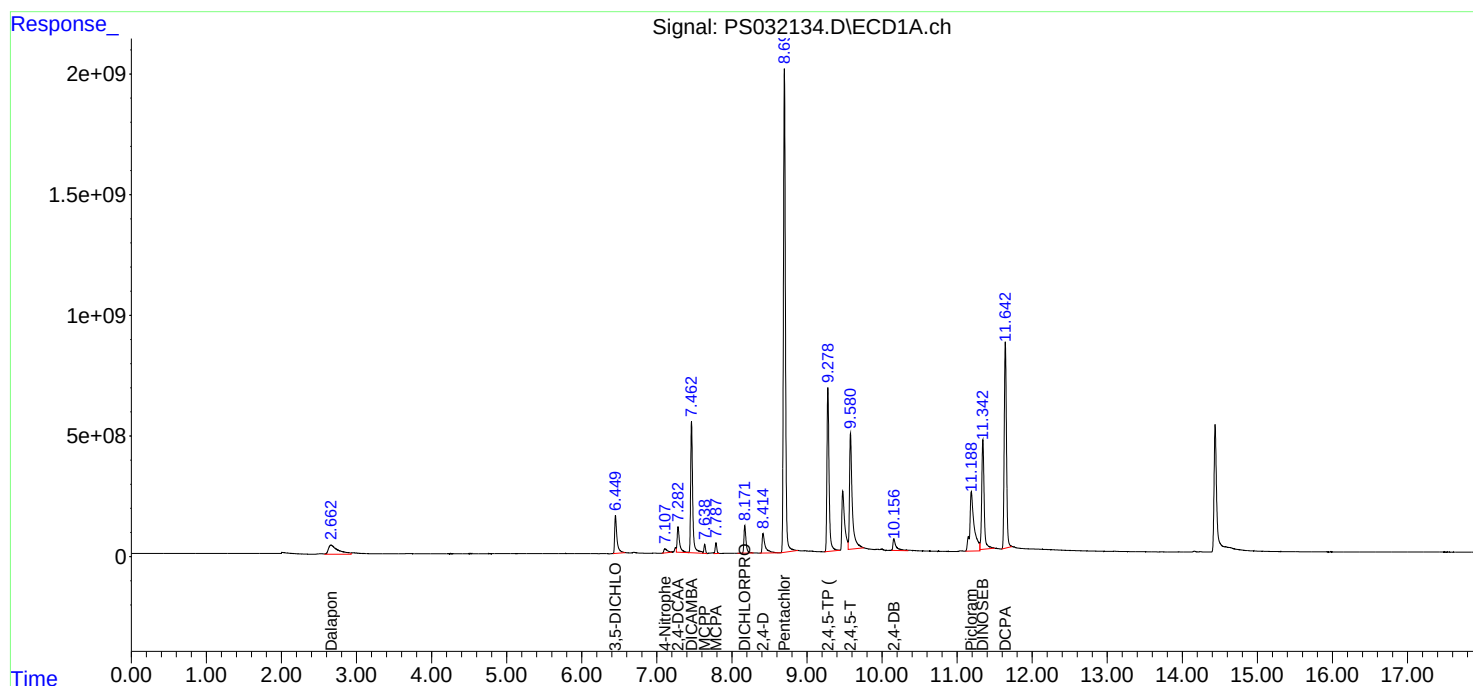
APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:37:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_

Signal: PS032134.D\ECD1A.ch

#1 Dalapon

R.T.: 2.662 min

Delta R.T.: -0.003 min

Response: 3387399789

Conc: 438.35 ng/ml

Instrument :

ECD_S

ClientSampleId :

PB170220BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Time

Response_

Signal: PS032134.D\ECD2B.ch

#1 Dalapon

R.T.: 2.688 min

Delta R.T.: 0.000 min

Response: 1726555417

Conc: 459.40 ng/ml

Time

Response_

Signal: PS032134.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.449 min

Delta R.T.: 0.002 min

Response: 3325052630

Conc: 472.38 ng/ml

Time

Response_

Signal: PS032134.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID

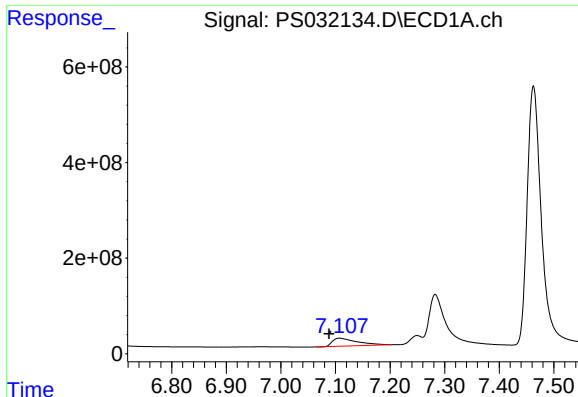
R.T.: 6.701 min

Delta R.T.: 0.007 min

Response: 969349593

Conc: 464.72 ng/ml

Time



#3 4-Nitrophenol

R.T.: 7.107 min
Delta R.T.: 0.019 min
Response: 522427479
Conc: 391.42 ng/ml

Instrument :

ECD_S

ClientSampleId :

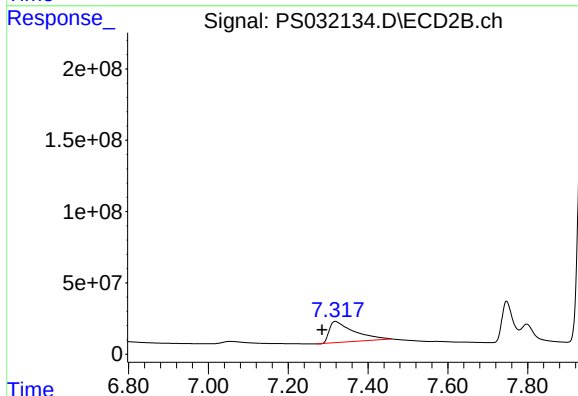
PB170220BS

Manual Integrations

APPROVED

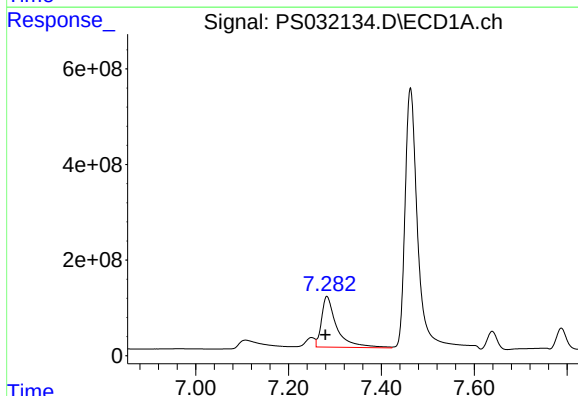
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



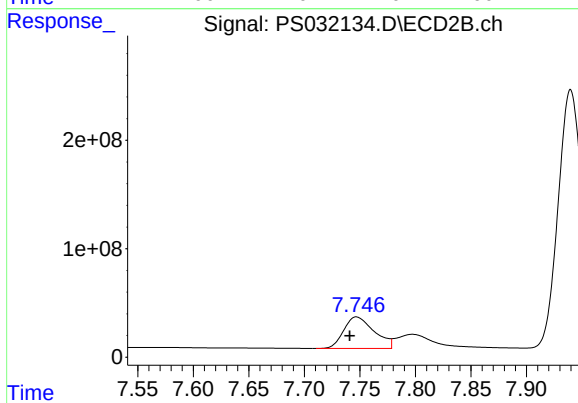
#3 4-Nitrophenol

R.T.: 7.318 min
Delta R.T.: 0.033 min
Response: 631880276
Conc: 416.42 ng/ml



#4 2,4-DCAA

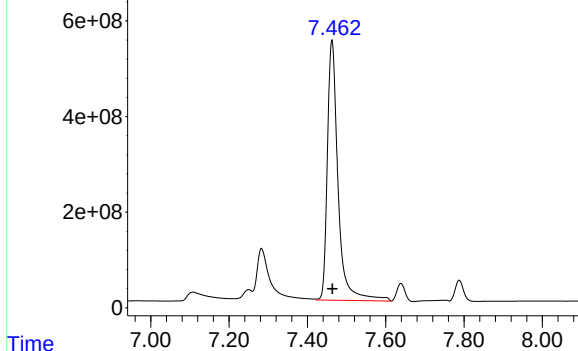
R.T.: 7.283 min
Delta R.T.: 0.003 min
Response: 2408590506
Conc: 505.26 ng/ml



#4 2,4-DCAA

R.T.: 7.747 min
Delta R.T.: 0.006 min
Response: 555234639
Conc: 504.60 ng/ml

Response_ Signal: PS032134.D\ECD1A.ch



#5 DICAMBA

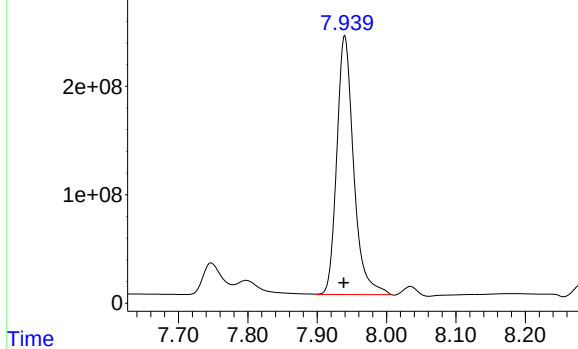
R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 10324360637
Conc: 492.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

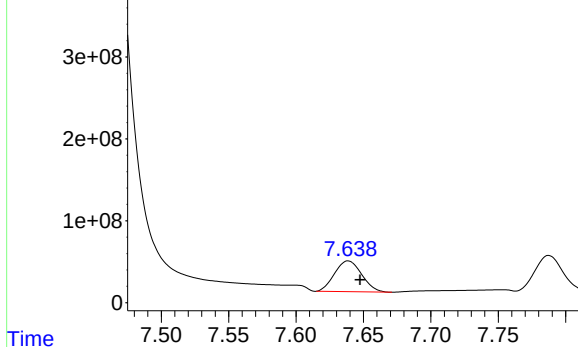
Response_ Signal: PS032134.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: 0.001 min
Response: 4032297722
Conc: 465.58 ng/ml

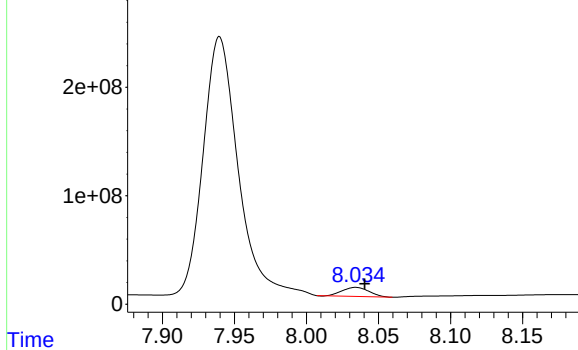
Response_ Signal: PS032134.D\ECD1A.ch



#6 MCP

R.T.: 7.639 min
Delta R.T.: -0.009 min
Response: 528275824
Conc: 43.20 ug/ml

Response_ Signal: PS032134.D\ECD2B.ch

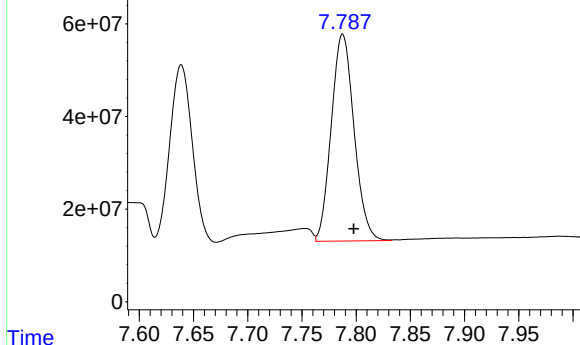


#6 MCP

R.T.: 8.034 min
Delta R.T.: -0.006 min
Response: 106189242
Conc: 42.78 ug/ml

Response_ Signal: PS032134.D\ECD1A.ch

#7 MCPA



R.T.: 7.788 min
Delta R.T.: -0.010 min
Response: 652563091
Conc: 44.34 ug/ml

Instrument :

ECD_S

ClientSampleId :

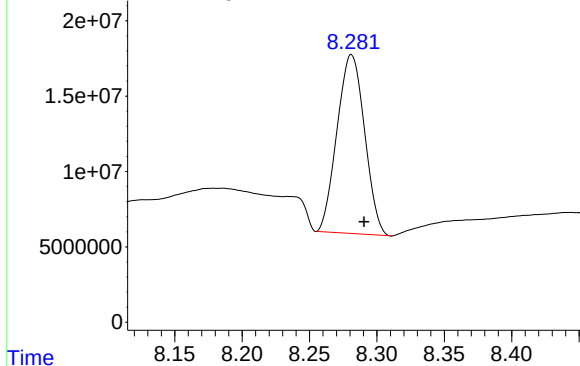
PB170220BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Response_ Signal: PS032134.D\ECD2B.ch

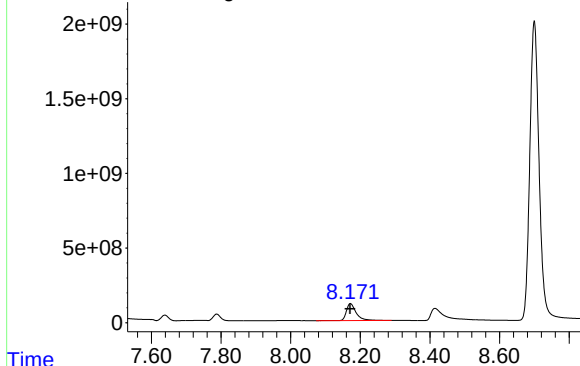
#7 MCPA



R.T.: 8.281 min
Delta R.T.: -0.009 min
Response: 169130041
Conc: 44.83 ug/ml

Response_ Signal: PS032134.D\ECD1A.ch

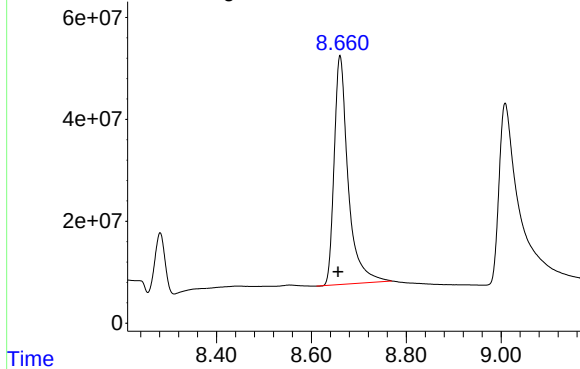
#8 DICHLORPROP



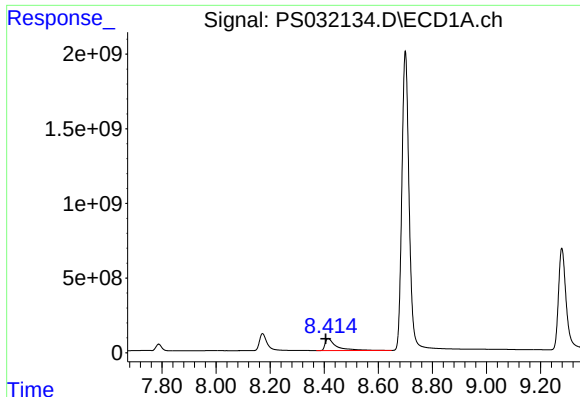
R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 2204346448
Conc: 463.67 ng/ml

Response_ Signal: PS032134.D\ECD2B.ch

#8 DICHLORPROP



R.T.: 8.660 min
Delta R.T.: 0.004 min
Response: 918268191
Conc: 468.92 ng/ml



#9 2,4-D

R.T.: 8.415 min
Delta R.T.: 0.008 min
Response: 2323059318
Conc: 478.40 ng/ml

Instrument :

ECD_S

ClientSampleId :

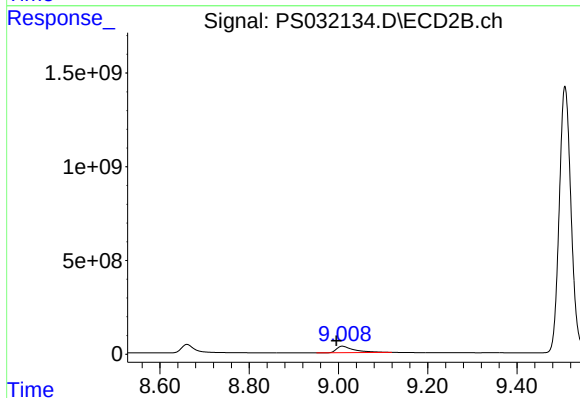
PB170220BS

Manual Integrations

APPROVED

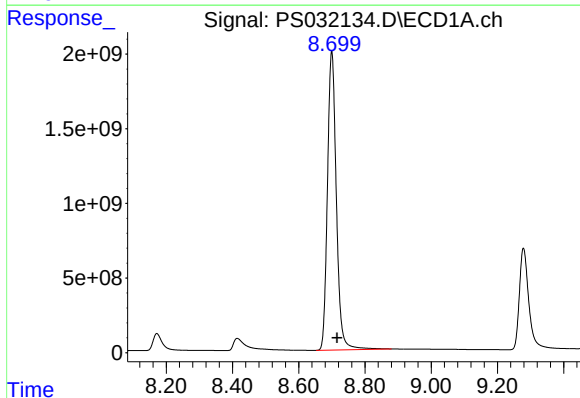
Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025



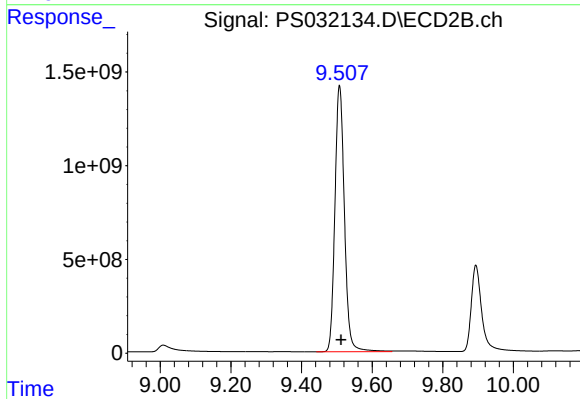
#9 2,4-D

R.T.: 9.008 min
Delta R.T.: 0.013 min
Response: 941216268
Conc: 452.88 ng/ml



#10 Pentachlorophenol

R.T.: 8.700 min
Delta R.T.: -0.016 min
Response: 37286975309
Conc: 555.53 ng/ml



#10 Pentachlorophenol

R.T.: 9.508 min
Delta R.T.: -0.005 min
Response: 26534385150
Conc: 512.01 ng/ml

Response_

Signal: PS032134.D\ECD1A.ch

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

R.T.: 9.278 min

Delta R.T.: 0.000 min

Response: 13463915290

Conc: 476.73 ng/ml

Instrument :

ECD_S

ClientSampleId :

PB170220BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Time

Response_

Signal: PS032134.D\ECD2B.ch

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

R.T.: 9.894 min

Delta R.T.: 0.003 min

Response: 9588604773

Conc: 477.64 ng/ml

Time

Response_

Signal: PS032134.D\ECD1A.ch

#12 2,4,5-T

R.T.: 9.580 min

Delta R.T.: 0.006 min

Response: 12176253635

Conc: 482.34 ng/ml

Time

Response_

Signal: PS032134.D\ECD2B.ch

#12 2,4,5-T

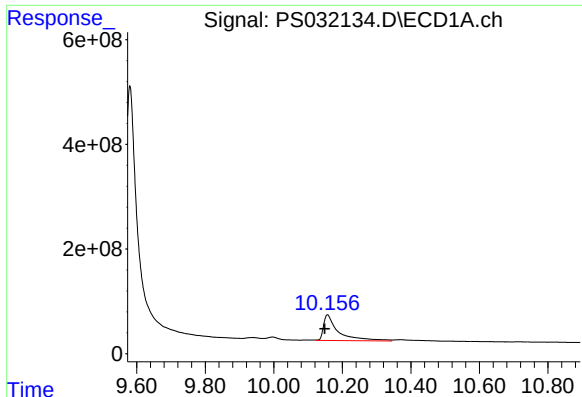
R.T.: 10.326 min

Delta R.T.: 0.008 min

Response: 8080601898

Conc: 471.32 ng/ml

Time



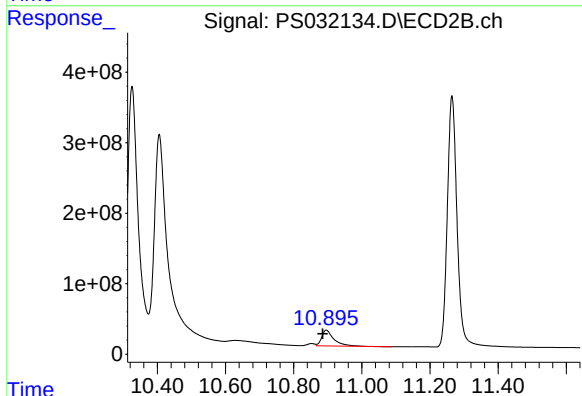
#13 2,4-DB

R.T.: 10.157 min
Delta R.T.: 0.008 min
Response: 1467722736
Conc: 473.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BS

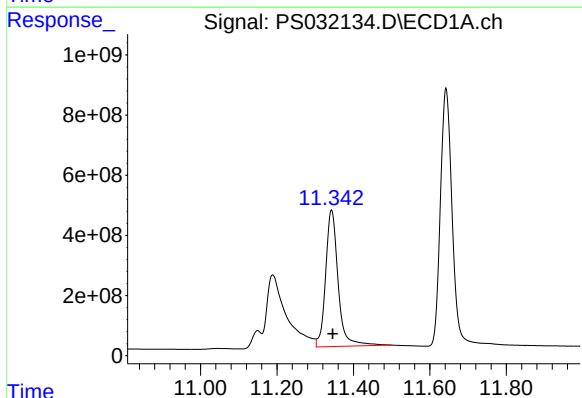
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



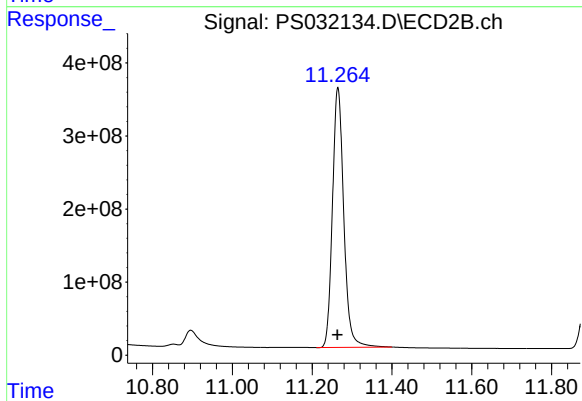
#13 2,4-DB

R.T.: 10.896 min
Delta R.T.: 0.010 min
Response: 565234233
Conc: 437.46 ng/ml



#14 DINOSEB

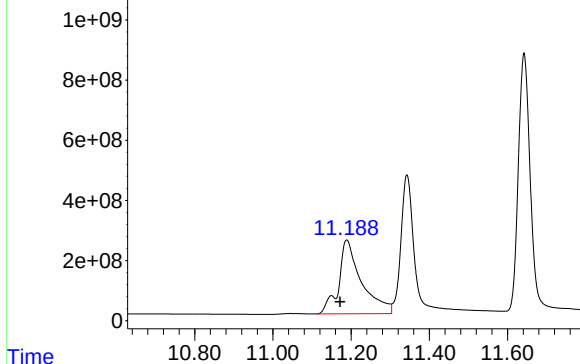
R.T.: 11.343 min
Delta R.T.: -0.003 min
Response: 10292397963
Conc: 461.52 ng/ml



#14 DINOSEB

R.T.: 11.264 min
Delta R.T.: 0.002 min
Response: 6995032016
Conc: 460.11 ng/ml

Response_ Signal: PS032134.D\ECD1A.ch



#15 Picloram

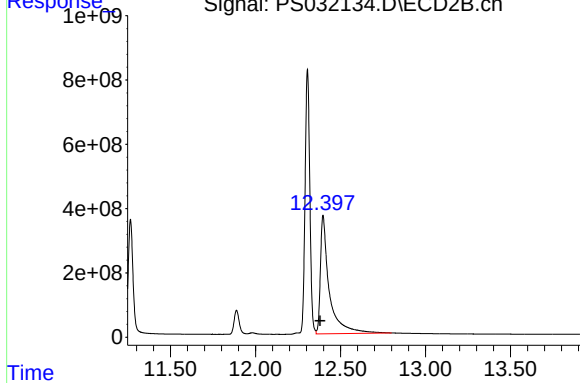
R.T.: 11.188 min
Delta R.T.: 0.017 min
Response: 9996742554
Conc: 423.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

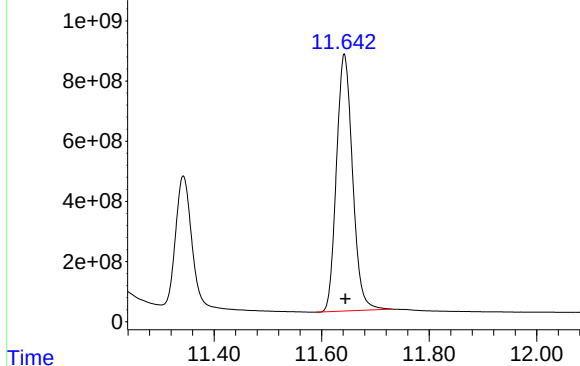
Time Response_ Signal: PS032134.D\ECD2B.ch



#15 Picloram

R.T.: 12.397 min
Delta R.T.: 0.018 min
Response: 13377434804
Conc: 401.82 ng/ml

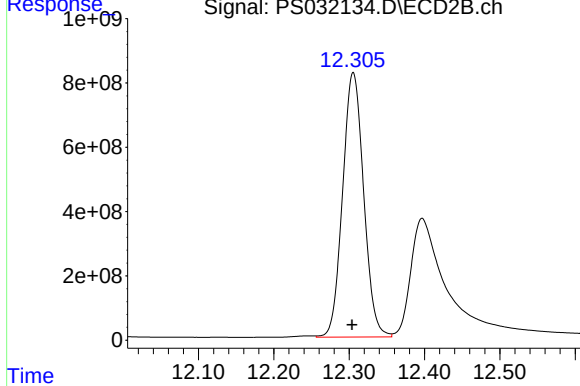
Time Response_ Signal: PS032134.D\ECD1A.ch



#16 DCPA

R.T.: 11.642 min
Delta R.T.: -0.002 min
Response: 17728711180
Conc: 482.54 ng/ml

Time Response_ Signal: PS032134.D\ECD2B.ch



#16 DCPA

R.T.: 12.305 min
Delta R.T.: 0.001 min
Response: 15971705690
Conc: 480.91 ng/ml

Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFFMS		SDG No.:	Q3399
Lab Sample ID:	Q3399-02MS		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/22/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	29.1		1	9.20	15.0	20.0	ug/L	10/23/25 15:25	PB170220
93-72-1	2,4,5-TP (Silvex)	30.6		1	7.80	15.0	20.0	ug/L	10/23/25 15:25	PB170220
SURROGATES										
19719-28-9	2,4-DCAA	550			32 - 138		110%	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

Q3399-TCLP Herbicide

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\PS102325\
 Data File : PS032145.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 15:25
 Operator : AR\AJ
 Sample : Q3399-02MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 COMP-ROLLOFFMS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 04:42:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.278	7.742	1663.3E6	604.8E6	348.915m	549.666m#
Target Compounds							
1) T	Dalapon	2.653	2.685	1053.2E6	1014.6E6	136.298m	269.953m#
2) T	3,5-DICHL...	6.448	6.699	1588.4E6	348.2E6	225.660	166.936 #
5) T	DICAMBA	7.462	7.939	4491.9E6	1882.0E6	214.487	217.301
6) T	MCP	7.637	8.033	184.6E6	32884819	15.098	13.248m
7) T	MCPA	7.786	8.280	314.2E6	59655952	21.353	15.814 #
8) T	DICHLORPROP	8.171	8.658	1120.9E6	413.4E6	235.771	211.128
9) T	2,4-D	8.411	9.004	1217.8E6	605.7E6	250.786	291.417
10) T	Pentachlo...	8.699	9.508	12790.8E6	8594.3E6	190.568	165.836
11) T	2,4,5-TP ...	9.277	9.889	6924.5E6	6148.9E6	245.185m	306.301m
12) T	2,4,5-T	9.575	10.325	5371.1E6	4049.4E6	212.764m	236.193
13) T	2,4-DB	10.153	10.892	847.8E6	333.7E6	273.455	258.248
14) T	DINOSEB	11.342	11.271	1786.8E6	3206.2E6	80.121m	210.890 #
15) T	Picloram	11.182	12.392	5039.6E6	6416.8E6	213.742	192.744
16) T	DCPA	11.642	12.305	8065.9E6	7380.3E6	219.539	222.221

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:25
Operator : AR\AJ
Sample : Q3399-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

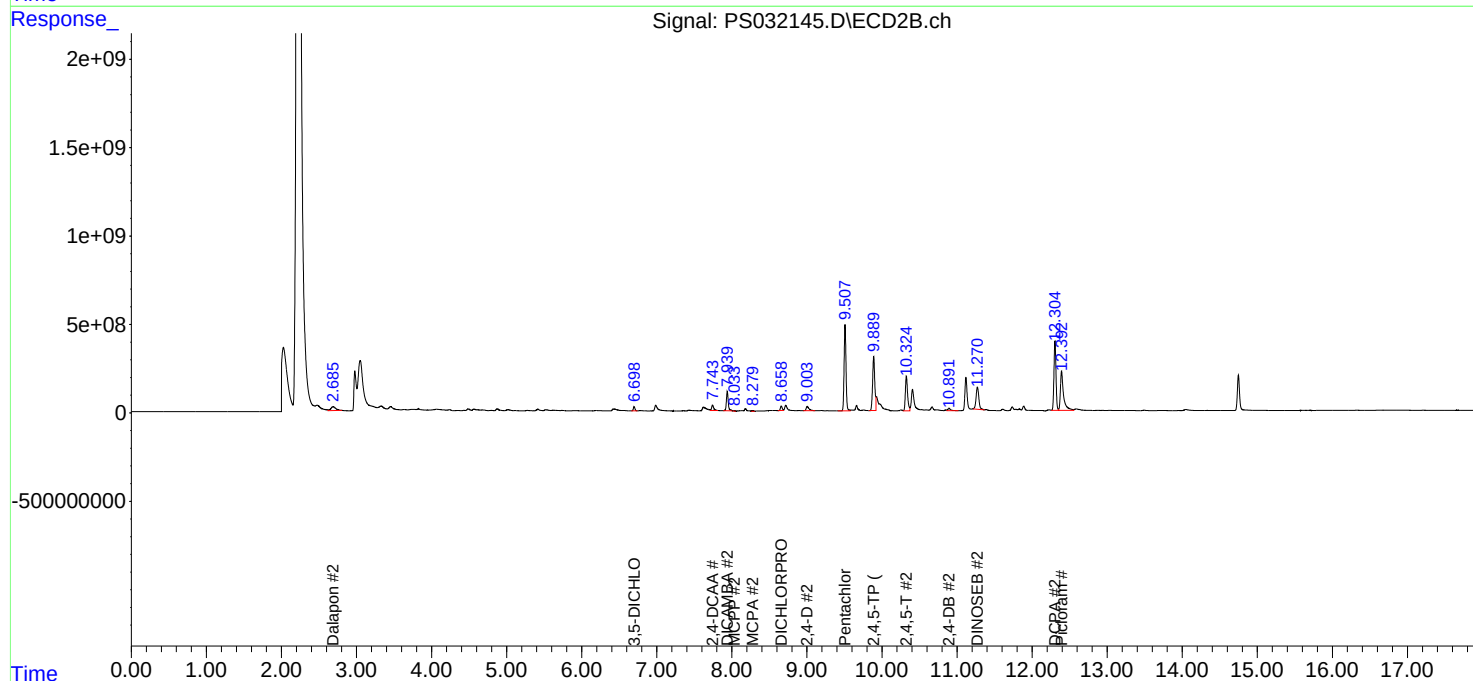
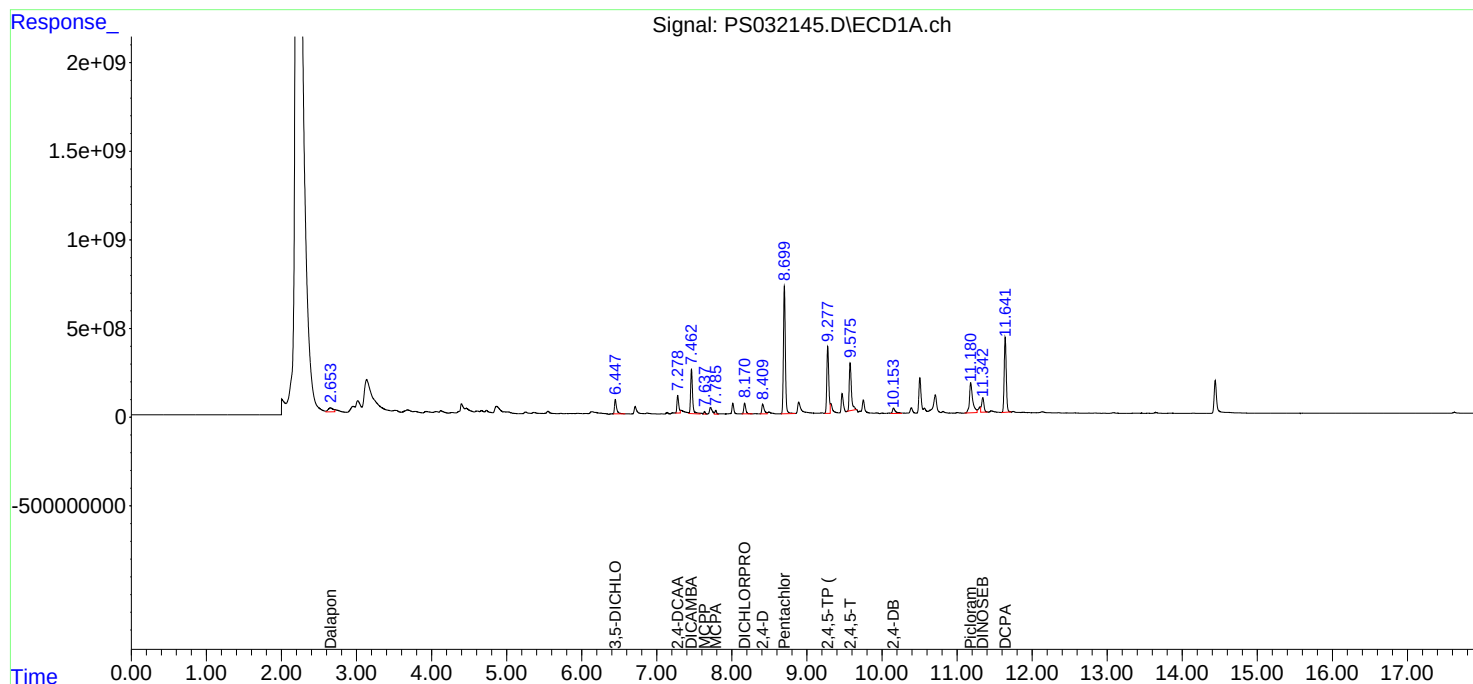
Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/24/2025
Supervised By : mohammad ahmed 10/28/2025

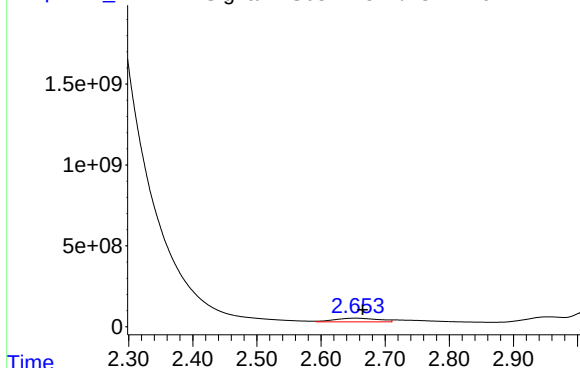
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:42:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PS032145.D\ECD1A.ch

#1 Dalapon



R.T.: 2.653 min
Delta R.T.: -0.012 min
Response: 1053245372
Conc: 136.30 ng/ml

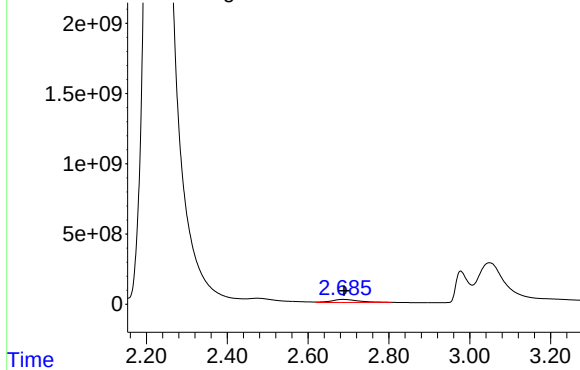
Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Response_ Signal: PS032145.D\ECD2B.ch

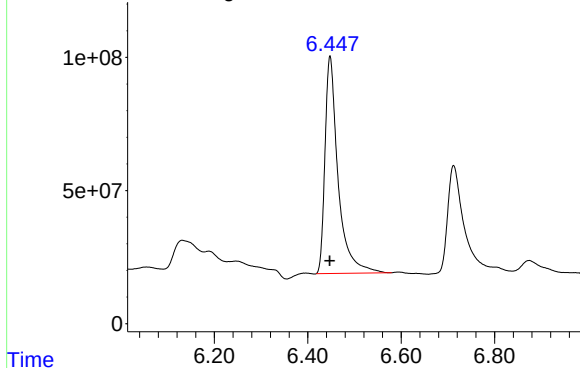
#1 Dalapon



R.T.: 2.685 min
Delta R.T.: -0.004 min
Response: 1014555670
Conc: 269.95 ng/ml m

Response_ Signal: PS032145.D\ECD1A.ch

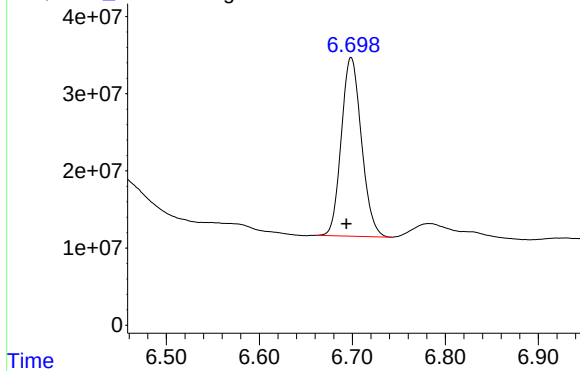
#2 3,5-DICHLOROBENZOIC ACID



R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 1588391355
Conc: 225.66 ng/ml

Response_ Signal: PS032145.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID



R.T.: 6.699 min
Delta R.T.: 0.005 min
Response: 348209155
Conc: 166.94 ng/ml

Response_ Signal: PS032145.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.278 min
Delta R.T.: -0.002 min
Response: 1663290865
Conc: 348.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PS032145.D\ECD2B.ch

#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: 0.001 min
Response: 604819427
Conc: 549.67 ng/ml m

Time

Response_ Signal: PS032145.D\ECD1A.ch

#5 DICAMBA

R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 4491860095
Conc: 214.49 ng/ml

Time

Response_ Signal: PS032145.D\ECD2B.ch

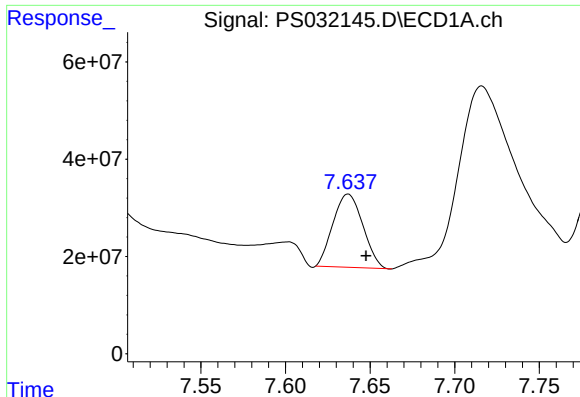
#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.001 min
Response: 1882021859
Conc: 217.30 ng/ml

Time

Response_ Signal: PS032145.D\ECD1A.ch

Time



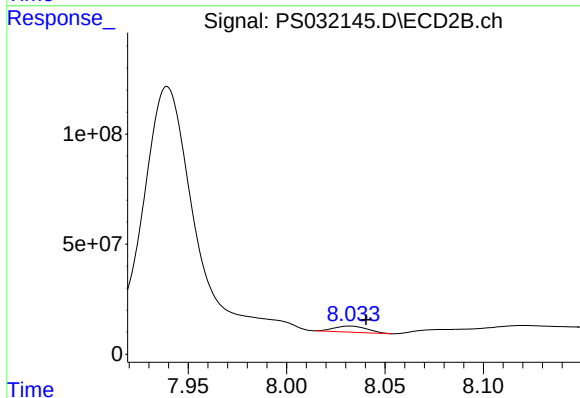
#6 MCPP

R.T.: 7.637 min
Delta R.T.: -0.011 min
Response: 184620139
Conc: 15.10 ug/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS

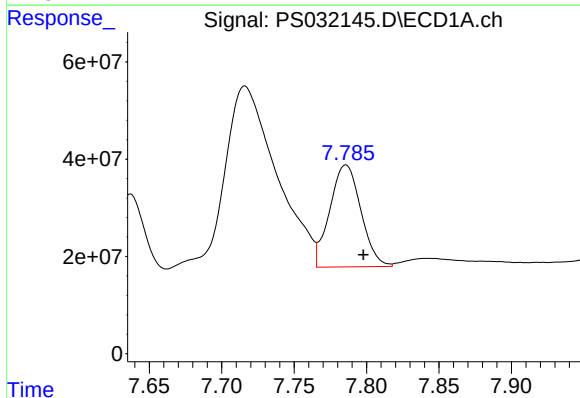
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



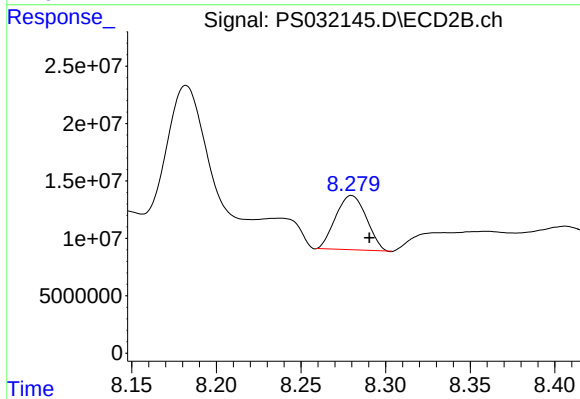
#6 MCPP

R.T.: 8.033 min
Delta R.T.: -0.008 min
Response: 32884819
Conc: 13.25 ug/ml m



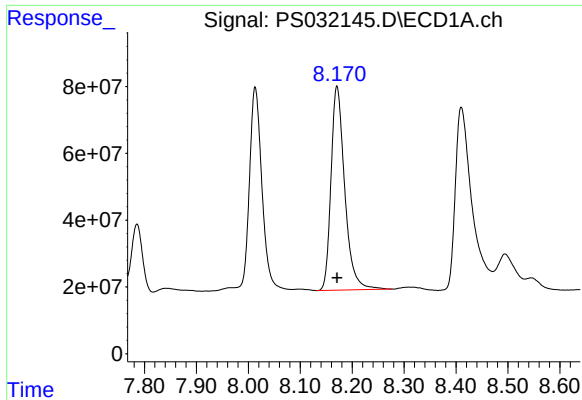
#7 MCPA

R.T.: 7.786 min
Delta R.T.: -0.012 min
Response: 314239805
Conc: 21.35 ug/ml



#7 MCPA

R.T.: 8.280 min
Delta R.T.: -0.011 min
Response: 59655952
Conc: 15.81 ug/ml



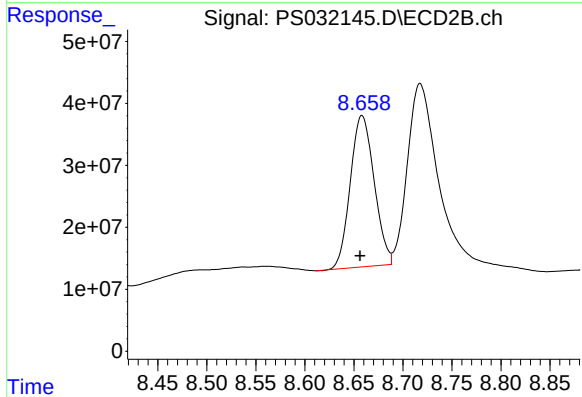
#8 DICHLORPROP

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 1120891671
Conc: 235.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS

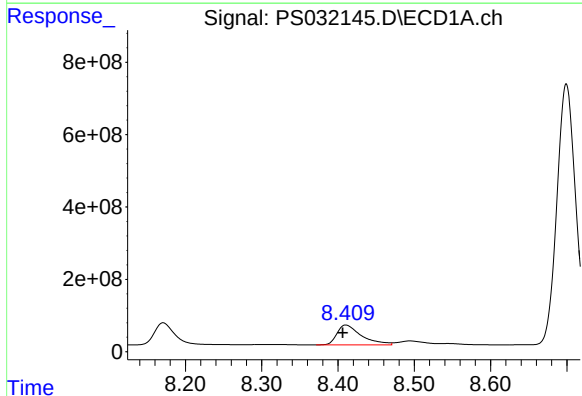
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



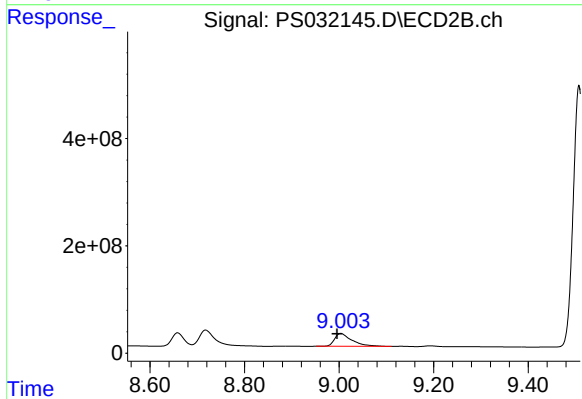
#8 DICHLORPROP

R.T.: 8.658 min
Delta R.T.: 0.002 min
Response: 413443869
Conc: 211.13 ng/ml



#9 2,4-D

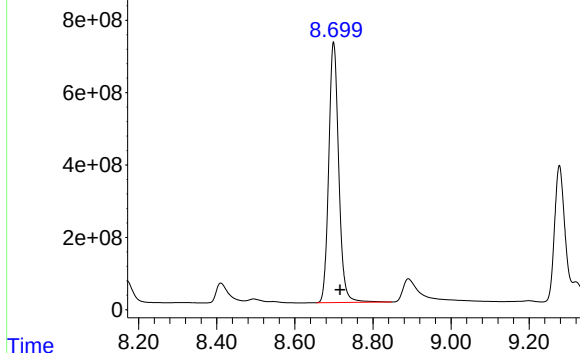
R.T.: 8.411 min
Delta R.T.: 0.004 min
Response: 1217786509
Conc: 250.79 ng/ml



#9 2,4-D

R.T.: 9.004 min
Delta R.T.: 0.008 min
Response: 605650599
Conc: 291.42 ng/ml

Response_ Signal: PS032145.D\ECD1A.ch



#10 Pentachlorophenol

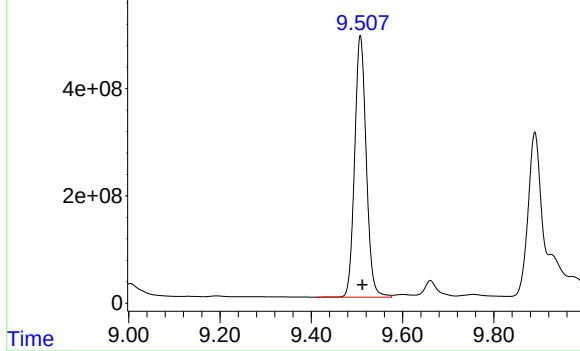
R.T.: 8.699 min
Delta R.T.: -0.016 min
Response: 12790815703
Conc: 190.57 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

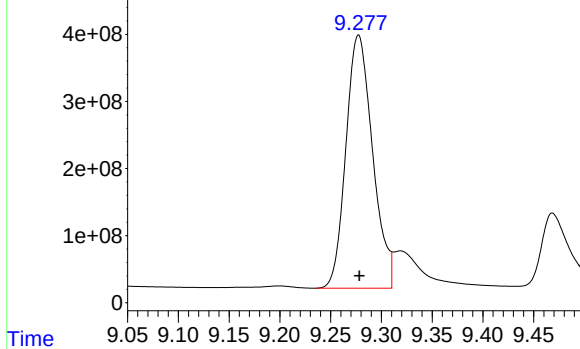
Response_ Signal: PS032145.D\ECD2B.ch



#10 Pentachlorophenol

R.T.: 9.508 min
Delta R.T.: -0.005 min
Response: 8594251266
Conc: 165.84 ng/ml

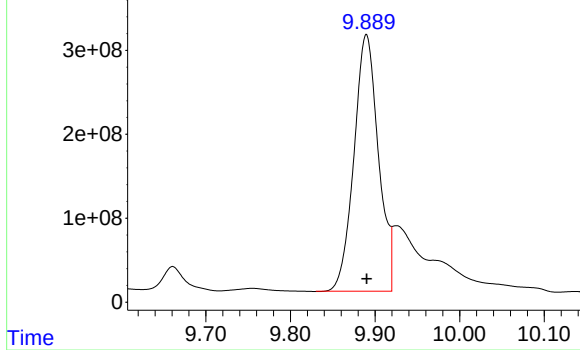
Response_ Signal: PS032145.D\ECD1A.ch



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

R.T.: 9.277 min
Delta R.T.: -0.001 min
Response: 6924533165
Conc: 245.19 ng/ml m

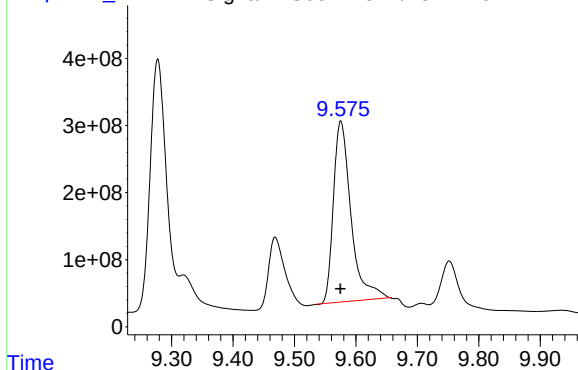
Response_ Signal: PS032145.D\ECD2B.ch



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

R.T.: 9.889 min
Delta R.T.: 0.000 min
Response: 6148946260
Conc: 306.30 ng/ml m

Response_ Signal: PS032145.D\ECD1A.ch



#12 2,4,5-T

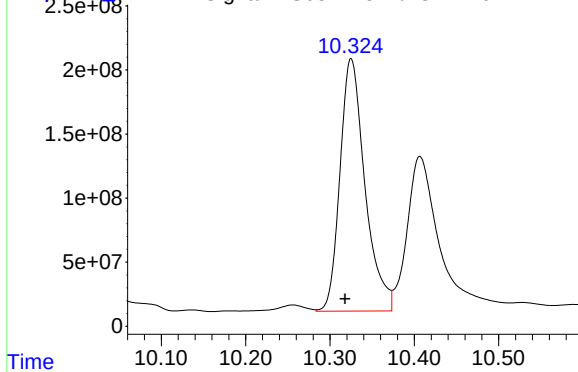
R.T.: 9.575 min
Delta R.T.: 0.000 min
Response: 5371068476
Conc: 212.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

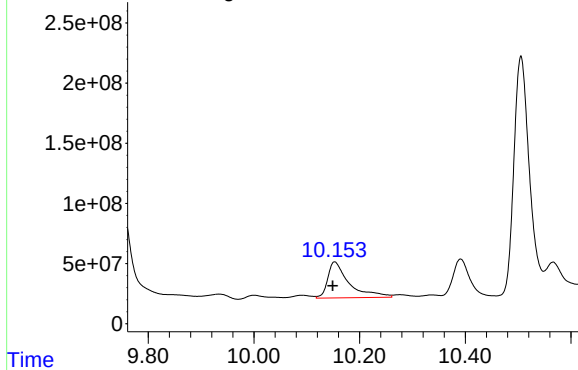
Time Response_ Signal: PS032145.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.325 min
Delta R.T.: 0.007 min
Response: 4049445538
Conc: 236.19 ng/ml

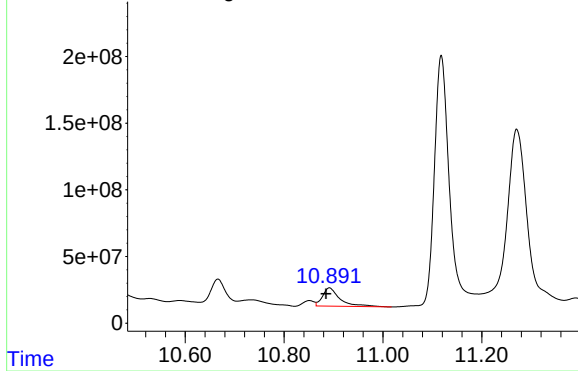
Response_ Signal: PS032145.D\ECD1A.ch



#13 2,4-DB

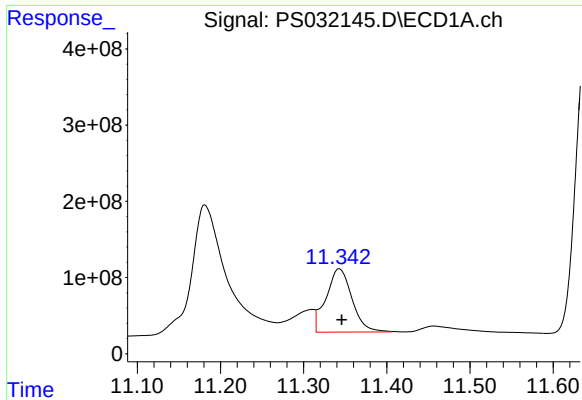
R.T.: 10.153 min
Delta R.T.: 0.004 min
Response: 847797387
Conc: 273.46 ng/ml

Time Response_ Signal: PS032145.D\ECD2B.ch



#13 2,4-DB

R.T.: 10.892 min
Delta R.T.: 0.007 min
Response: 333679566
Conc: 258.25 ng/ml



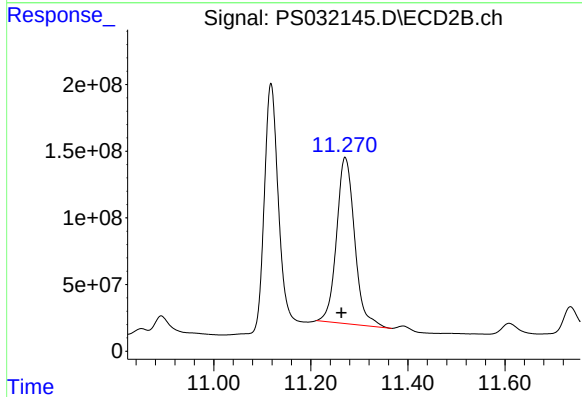
#14 DINOSEB

R.T.: 11.342 min
Delta R.T.: -0.004 min
Response: 1786759979
Conc: 80.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS

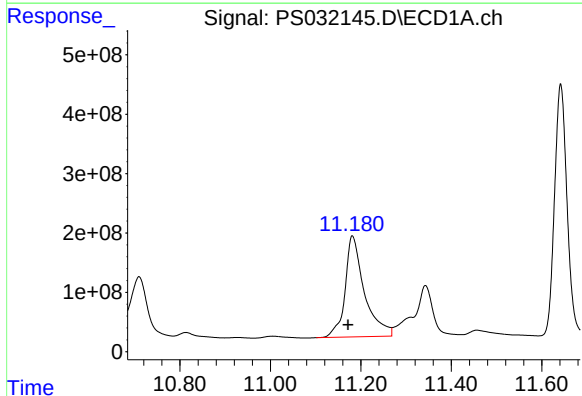
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



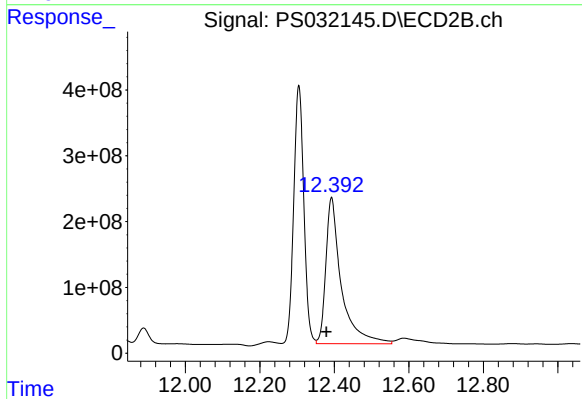
#14 DINOSEB

R.T.: 11.271 min
Delta R.T.: 0.008 min
Response: 3206175242
Conc: 210.89 ng/ml



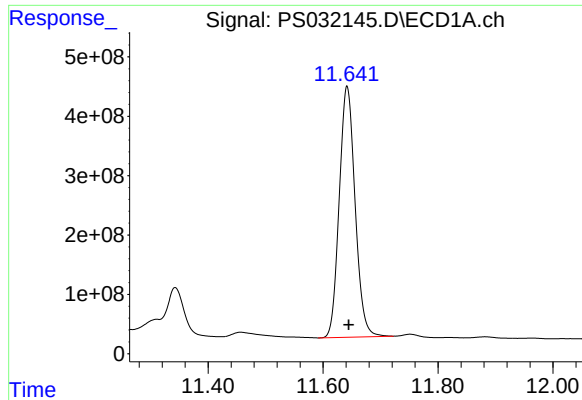
#15 Picloram

R.T.: 11.182 min
Delta R.T.: 0.010 min
Response: 5039574317
Conc: 213.74 ng/ml



#15 Picloram

R.T.: 12.392 min
Delta R.T.: 0.013 min
Response: 6416841938
Conc: 192.74 ng/ml



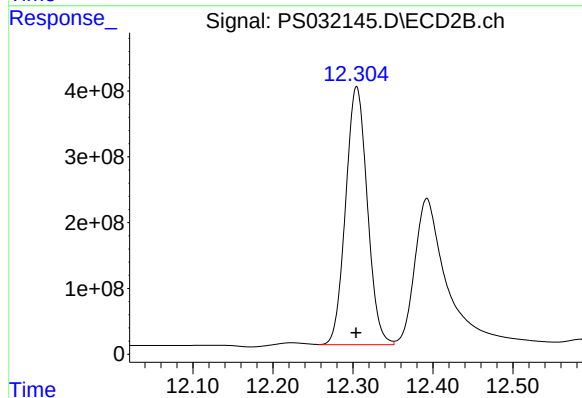
#16 DCPA

R.T.: 11.642 min
Delta R.T.: -0.003 min
Response: 8065897151
Conc: 219.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#16 DCPA

R.T.: 12.305 min
Delta R.T.: 0.000 min
Response: 7380337982
Conc: 222.22 ng/ml

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/20/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/20/25	
Client Sample ID: COMP-ROLLOFFMSD	SDG No.: Q3399	
Lab Sample ID: Q3399-02MSD	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 100 mL	Test: TCLP Herbicide	Final Vol: 10000 uL
Prep Method: 8151A		Prep Date 10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
94-75-7	2,4-D	28.7		1	9.20	15.0	20.0	ug/L	10/23/25 15:49	PB170220
93-72-1	2,4,5-TP (Silvex)	30.3		1	7.80	15.0	20.0	ug/L	10/23/25 15:49	PB170220
SURROGATES										
19719-28-9	2,4-DCAA	443			32 - 138		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

Q3399-TCLP Herbicide

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\PS102325\
 Data File : PS032146.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 15:49
 Operator : AR\AJ
 Sample : Q3399-02MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 COMP-ROLLOFFMSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 04:42:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.278	7.742	1734.2E6	487.3E6	363.792m	442.868m
Target Compounds							
1) T	Dalapon	2.650	2.686	779.0E6	762.8E6	100.814m	202.976m#
2) T	3,5-DICHL...	6.448	6.699	1565.3E6	342.1E6	222.375	164.014 #
5) T	DICAMBA	7.461	7.939	4085.6E6	1863.7E6	195.088m	215.189
6) T	MCP	7.636	8.033	181.4E6	32690298	14.836	13.170m
7) T	MCPA	7.785	8.279	283.2E6	59060165	19.247	15.656
8) T	DICHLORPROP	8.171	8.658	1100.4E6	413.4E6	231.460	211.095
9) T	2,4-D	8.411	9.003	1188.6E6	597.0E6	244.783	287.232
10) T	Pentachlo...	8.699	9.508	12351.9E6	8309.1E6	184.029	160.334
11) T	2,4,5-TP ...	9.277	9.889	6810.0E6	6087.2E6	241.132m	303.226m#
12) T	2,4,5-T	9.574	10.325	5376.5E6	3965.8E6	212.981m	231.312
13) T	2,4-DB	10.154	10.892	805.5E6	318.6E6	259.809	246.576
14) T	DINOSEB	11.343	11.272	1644.2E6	3360.5E6	73.730m	221.038 #
15) T	Picloram	11.183	12.393	4555.5E6	5843.1E6	193.212	175.510
16) T	DCPA	11.642	12.304	7955.2E6	7281.1E6	216.525	219.234

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:49
Operator : AR\AJ
Sample : Q3399-02MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

COMP-ROLLOFFMSD

Manual Integrations

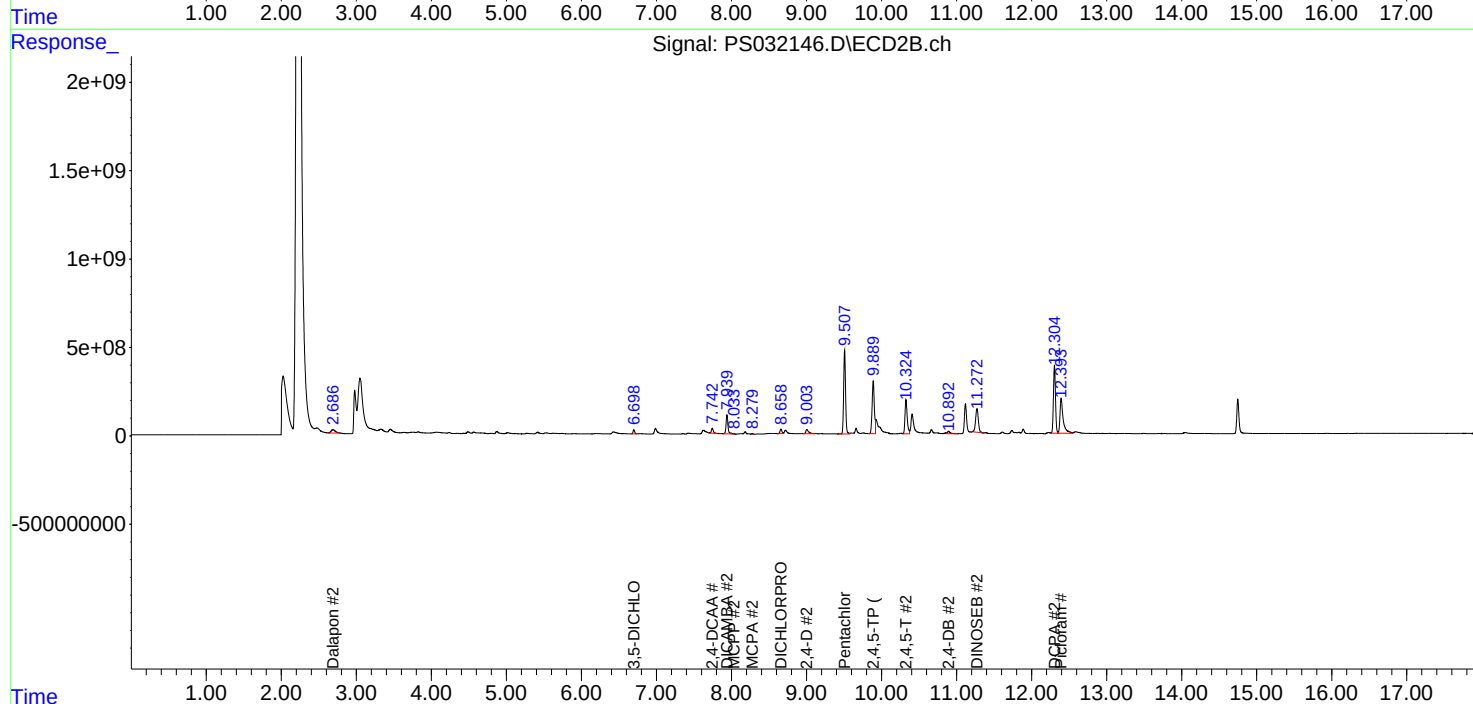
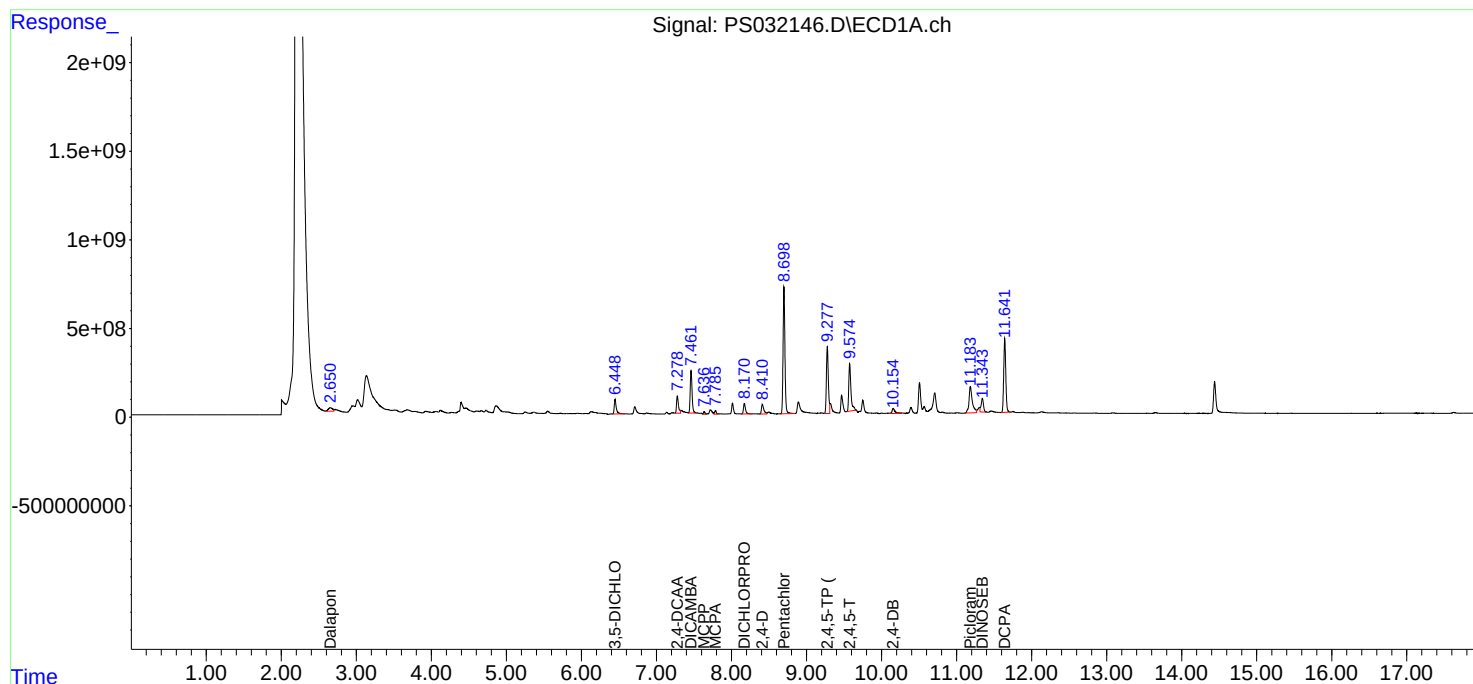
APPROVED

Reviewed By :Abdul Mirza 10/24/2025

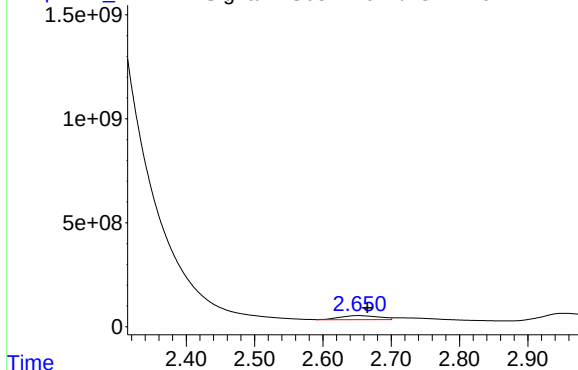
Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:42:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS032146.D\ECD1A.ch



#1 Dalapon

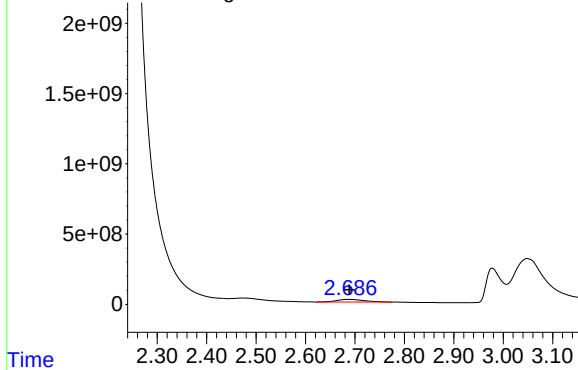
R.T.: 2.650 min
Delta R.T.: -0.015 min
Response: 779042658
Conc: 100.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

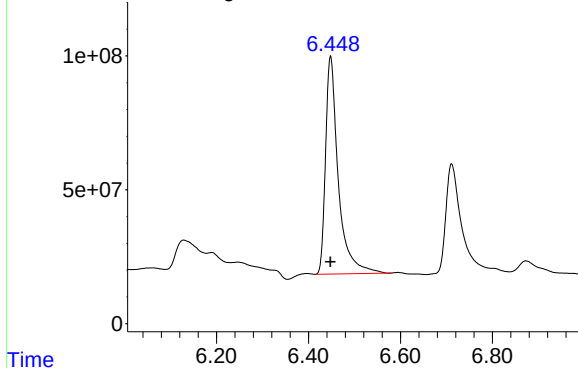
Signal: PS032146.D\ECD2B.ch



#1 Dalapon

R.T.: 2.686 min
Delta R.T.: -0.003 min
Response: 762840315
Conc: 202.98 ng/ml m

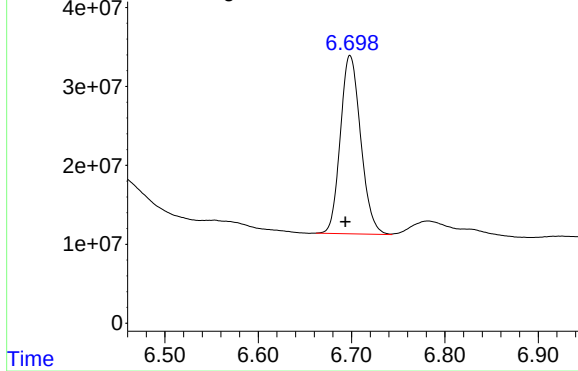
Signal: PS032146.D\ECD1A.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 1565264369
Conc: 222.37 ng/ml

Signal: PS032146.D\ECD2B.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.699 min
Delta R.T.: 0.005 min
Response: 342113938
Conc: 164.01 ng/ml

Response_ Signal: PS032146.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.278 min
Delta R.T.: -0.002 min
Response: 1734208940
Conc: 363.79 ng/ml

Instrument :

ECD_S

ClientSampleId :

COMP-ROLLOFFMSD

Manual Integrations
APPROVED

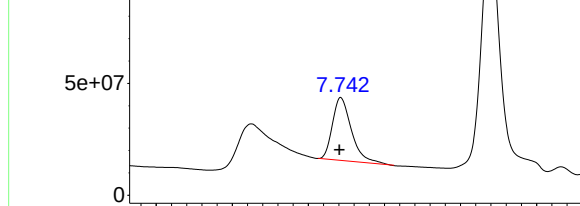
Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PS032146.D\ECD2B.ch

#4 2,4-DCAA

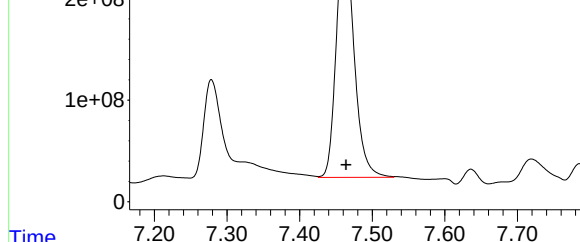
R.T.: 7.742 min
Delta R.T.: 0.000 min
Response: 487305797
Conc: 442.87 ng/ml m



Response_ Signal: PS032146.D\ECD1A.ch

#5 DICAMBA

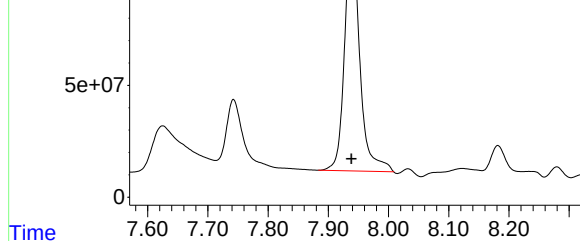
R.T.: 7.461 min
Delta R.T.: -0.003 min
Response: 4085608882
Conc: 195.09 ng/ml m

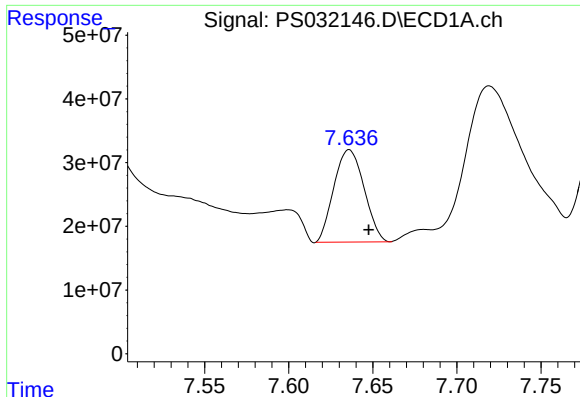


Time Response_ Signal: PS032146.D\ECD2B.ch

#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 1863730679
Conc: 215.19 ng/ml





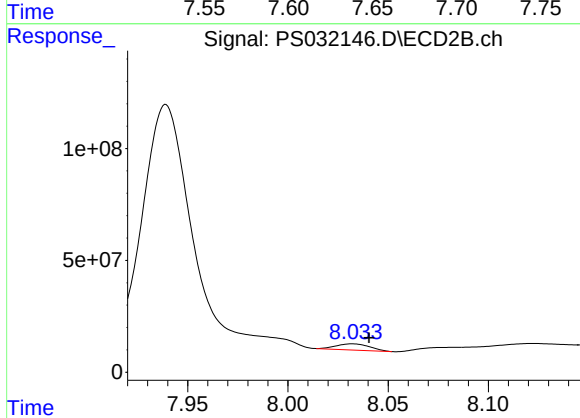
#6 MCPP

R.T.: 7.636 min
Delta R.T.: -0.012 min
Response: 181419968
Conc: 14.84 ug/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD

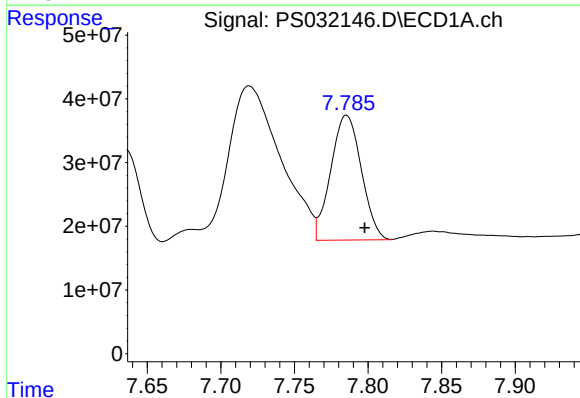
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



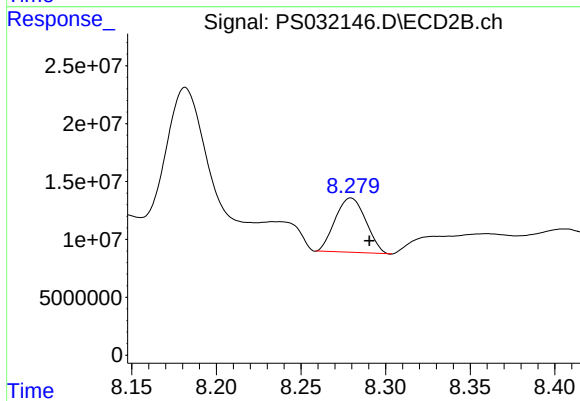
#6 MCPP

R.T.: 8.033 min
Delta R.T.: -0.008 min
Response: 32690298
Conc: 13.17 ug/ml m



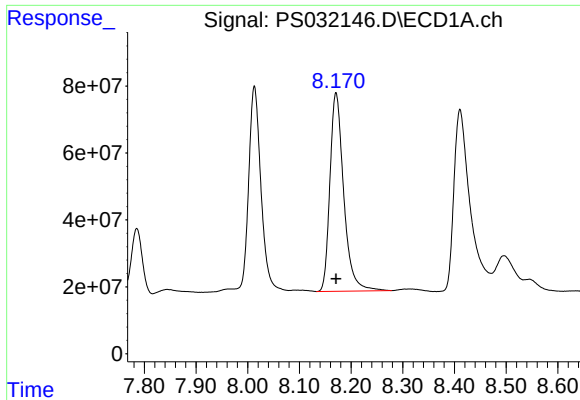
#7 MCPA

R.T.: 7.785 min
Delta R.T.: -0.012 min
Response: 283245649
Conc: 19.25 ug/ml



#7 MCPA

R.T.: 8.279 min
Delta R.T.: -0.011 min
Response: 59060165
Conc: 15.66 ug/ml



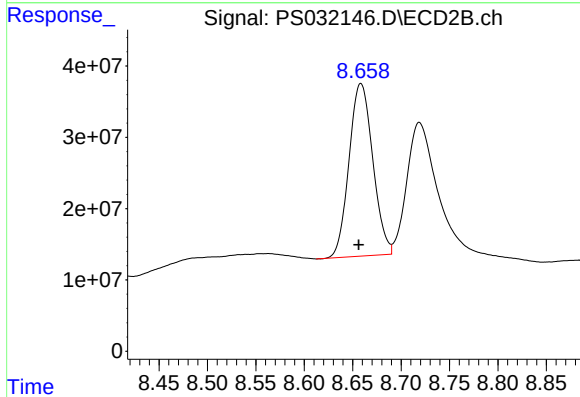
#8 DICHLORPROP

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 1100395268
Conc: 231.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD

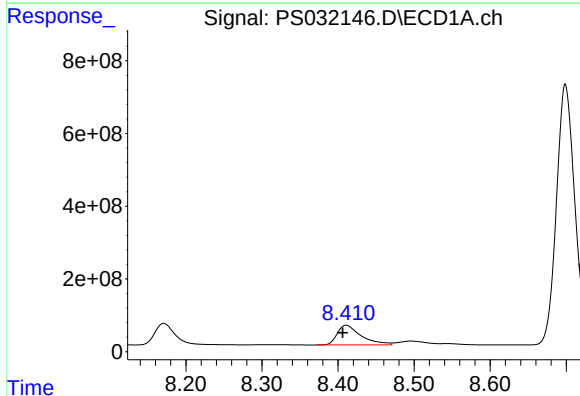
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



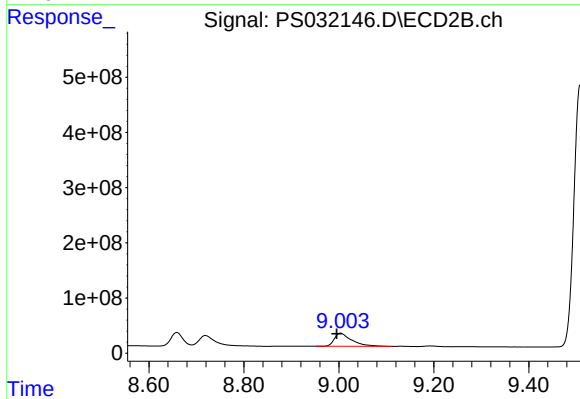
#8 DICHLORPROP

R.T.: 8.658 min
Delta R.T.: 0.002 min
Response: 413379363
Conc: 211.10 ng/ml



#9 2,4-D

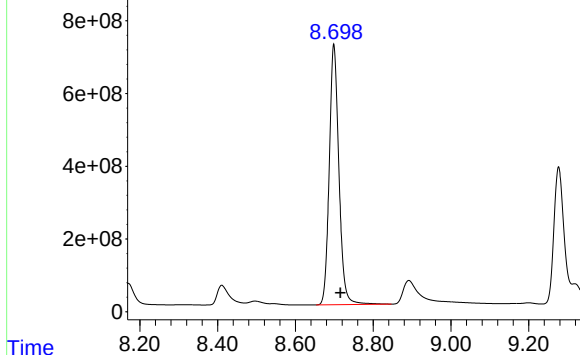
R.T.: 8.411 min
Delta R.T.: 0.005 min
Response: 1188636293
Conc: 244.78 ng/ml



#9 2,4-D

R.T.: 9.003 min
Delta R.T.: 0.008 min
Response: 596953337
Conc: 287.23 ng/ml

Response_ Signal: PS032146.D\ECD1A.ch



#10 Pentachlorophenol

R.T.: 8.699 min
Delta R.T.: -0.016 min
Response: 12351948873
Conc: 184.03 ng/ml

Instrument :

ECD_S

ClientSampleId :

COMP-ROLLOFFMSD

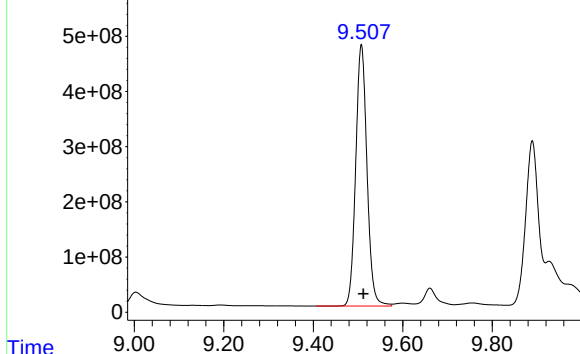
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

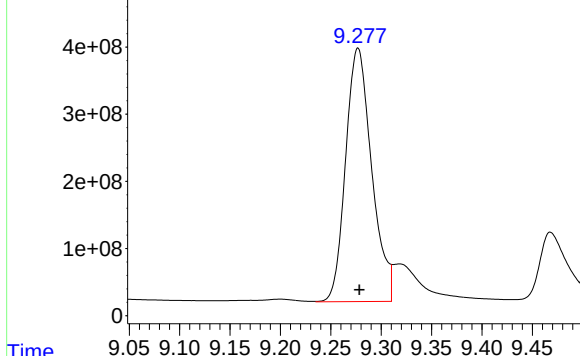
Response_ Signal: PS032146.D\ECD2B.ch



#10 Pentachlorophenol

R.T.: 9.508 min
Delta R.T.: -0.005 min
Response: 8309103288
Conc: 160.33 ng/ml

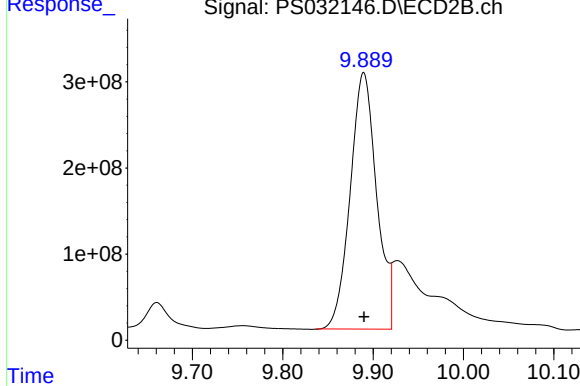
Response_ Signal: PS032146.D\ECD1A.ch



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

R.T.: 9.277 min
Delta R.T.: -0.002 min
Response: 6810043806
Conc: 241.13 ng/ml m

Response_ Signal: PS032146.D\ECD2B.ch



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

R.T.: 9.889 min
Delta R.T.: 0.000 min
Response: 6087213228
Conc: 303.23 ng/ml m

Response_ Signal: PS032146.D\ECD1A.ch

#12 2,4,5-T

R.T.: 9.574 min
Delta R.T.: 0.000 min
Response: 5376547524
Conc: 212.98 ng/ml

Instrument :

ECD_S

ClientSampleId :

COMP-ROLLOFFMSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/24/2025

Supervised By :mohammad ahmed 10/28/2025

Time

Response_ Signal: PS032146.D\ECD2B.ch

#12 2,4,5-T

R.T.: 10.325 min
Delta R.T.: 0.007 min
Response: 3965775450
Conc: 231.31 ng/ml

Time

Response_ Signal: PS032146.D\ECD1A.ch

#13 2,4-DB

R.T.: 10.154 min
Delta R.T.: 0.005 min
Response: 805489220
Conc: 259.81 ng/ml

Time

Response_ Signal: PS032146.D\ECD2B.ch

#13 2,4-DB

R.T.: 10.892 min
Delta R.T.: 0.007 min
Response: 318599055
Conc: 246.58 ng/ml

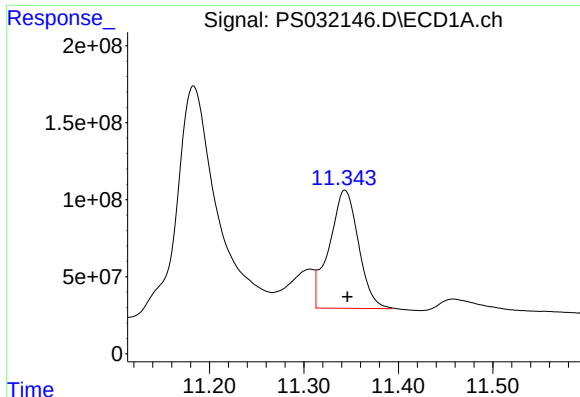
Time

Response_ Signal: PS032146.D\ECD1A.ch

#13 2,4-DB

R.T.: 10.892 min
Delta R.T.: 0.007 min
Response: 318599055
Conc: 246.58 ng/ml

Time



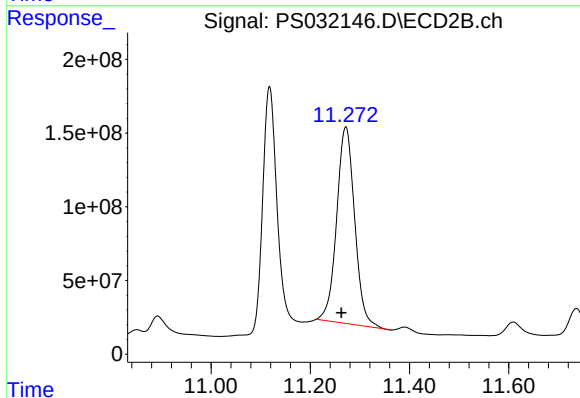
#14 DINOSEB

R.T.: 11.343 min
Delta R.T.: -0.003 min
Response: 1644238429
Conc: 73.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD

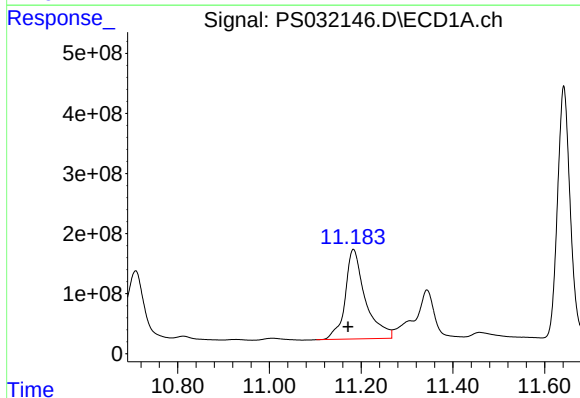
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



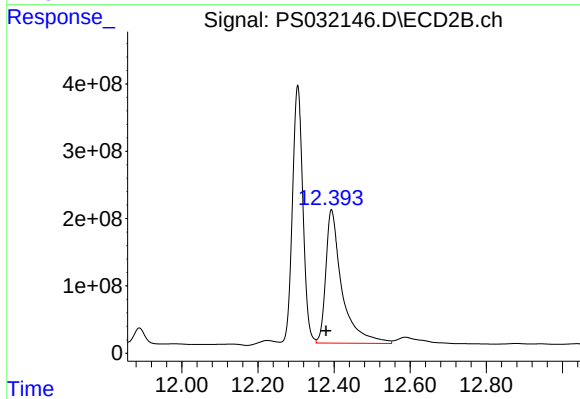
#14 DINOSEB

R.T.: 11.272 min
Delta R.T.: 0.009 min
Response: 3360451353
Conc: 221.04 ng/ml



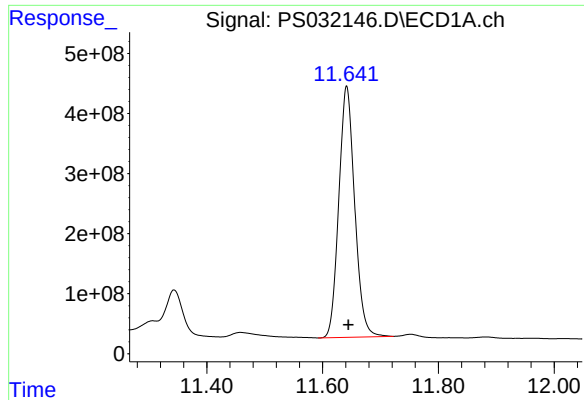
#15 Picloram

R.T.: 11.183 min
Delta R.T.: 0.011 min
Response: 4555537380
Conc: 193.21 ng/ml



#15 Picloram

R.T.: 12.393 min
Delta R.T.: 0.014 min
Response: 5843075294
Conc: 175.51 ng/ml



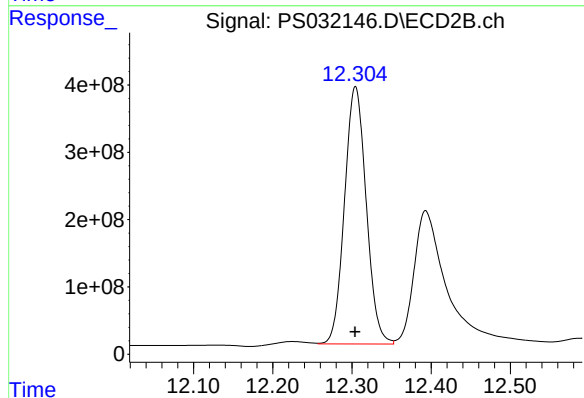
#16 DCPA

R.T.: 11.642 min
Delta R.T.: -0.003 min
Response: 7955163606
Conc: 216.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/24/2025
Supervised By :mohammad ahmed 10/28/2025



#16 DCPA

R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 7281123210
Conc: 219.23 ng/ml

Manual Integration Report

Sequence:	PS101325	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS031982.D	2,4-DCAA #2	Abdul	10/14/2025 8:44:35 AM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDICC200	PS031983.D	2,4-D	Abdul	10/14/2025 8:44:40 AM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDICC200	PS031983.D	2,4-D #2	Abdul	10/14/2025 8:44:40 AM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDICC200	PS031983.D	2,4-DB #2	Abdul	10/14/2025 8:44:40 AM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDICC200	PS031983.D	4-Nitrophenol	Abdul	10/14/2025 8:44:40 AM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDICC200	PS031983.D	4-Nitrophenol #2	Abdul	10/14/2025 8:44:40 AM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDICC200	PS031983.D	MCPP	Abdul	10/14/2025 8:44:40 AM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDICC200	PS031983.D	MCPP #2	Abdul	10/14/2025 8:44:40 AM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDICC1500	PS031987.D	4-Nitrophenol #2	Abdul	10/14/2025 8:44:45 AM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
I.BLK	PS031989.D	2,4-DCAA #2	Abdul	10/14/2025 1:04:58 PM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDCCC750	PS031999.D	2,4-DB	Abdul	10/14/2025 1:04:44 PM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDCCC750	PS031999.D	2,4-DB #2	Abdul	10/14/2025 1:04:44 PM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDCCC750	PS031999.D	4-Nitrophenol	Abdul	10/14/2025 1:04:44 PM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software

Manual Integration Report

Sequence:

PS101325

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031999.D	MCPA	Abdul	10/14/2025 1:04:44 PM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDCCC750	PS031999.D	MCPP	Abdul	10/14/2025 1:04:44 PM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software
HSTDCCC750	PS031999.D	Picloram	Abdul	10/14/2025 1:04:44 PM	mohammad	10/15/2025 1:15:14	Peak Integrated by Software

Manual Integration Report

Sequence:	PS102325	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170220BS	PS032134.D	Picloram	Abdul	10/24/2025 9:10:42 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02	PS032136.D	2,4-DCAA	Abdul	10/24/2025 9:10:24 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02	PS032136.D	2,4-DCAA #2	Abdul	10/24/2025 9:10:24 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
HSTDCCC750	PS032144.D	4-Nitrophenol	Abdul	10/24/2025 9:09:49 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MS	PS032145.D	2,4,5-T	Abdul	10/24/2025 9:09:46 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MS	PS032145.D	2,4,5-TP (SILVEX)	Abdul	10/24/2025 9:09:46 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MS	PS032145.D	2,4,5-TP (SILVEX) #2	Abdul	10/24/2025 9:09:46 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MS	PS032145.D	2,4-DCAA	Abdul	10/24/2025 9:09:46 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MS	PS032145.D	2,4-DCAA #2	Abdul	10/24/2025 9:09:46 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MS	PS032145.D	Dalapon	Abdul	10/24/2025 9:09:46 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MS	PS032145.D	Dalapon #2	Abdul	10/24/2025 9:09:46 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MS	PS032145.D	DINOSEB	Abdul	10/24/2025 9:09:46 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MS	PS032145.D	MCPD #2	Abdul	10/24/2025 9:09:46 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software

Manual Integration Report

Sequence:	PS102325	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3399-02MSD	PS032146.D	2,4,5-T	Abdul	10/24/2025 9:09:38 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MSD	PS032146.D	2,4,5-TP (SILVEX)	Abdul	10/24/2025 9:09:38 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MSD	PS032146.D	2,4,5-TP (SILVEX) #2	Abdul	10/24/2025 9:09:38 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MSD	PS032146.D	2,4-DCAA	Abdul	10/24/2025 9:09:38 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MSD	PS032146.D	2,4-DCAA #2	Abdul	10/24/2025 9:09:38 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MSD	PS032146.D	Dalapon	Abdul	10/24/2025 9:09:38 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MSD	PS032146.D	Dalapon #2	Abdul	10/24/2025 9:09:38 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MSD	PS032146.D	DICAMBA	Abdul	10/24/2025 9:09:38 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MSD	PS032146.D	DINOSEB	Abdul	10/24/2025 9:09:38 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software
Q3399-02MSD	PS032146.D	MCPP #2	Abdul	10/24/2025 9:09:38 AM	mohammad	10/28/2025 6:11:01	Peak Integrated by Software

Manual Integration Report

Sequence:

pS102425

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS032151.D	2,4-DB #2	Abdul	10/27/2025 9:16:14 AM	mohammad	10/28/2025 6:10:55	Peak Integrated by Software
HSTDCCC750	PS032154.D	4-Nitrophenol	Abdul	10/27/2025 9:16:08 AM	mohammad	10/28/2025 6:10:55	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS101325

Review By	Abdul	Review On	10/14/2025 8:45:14 AM
Supervise By	mohammad	Supervise On	10/15/2025 1:15:14 AM
SubDirectory	PS101325	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#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031981.D	13 Oct 2025 09:35	AR\AJ	Ok
2	I.BLK	PS031982.D	13 Oct 2025 10:29	AR\AJ	Ok,M
3	HSTDICC200	PS031983.D	13 Oct 2025 10:53	AR\AJ	Ok,M
4	HSTDICC500	PS031984.D	13 Oct 2025 11:17	AR\AJ	Ok
5	HSTDICC750	PS031985.D	13 Oct 2025 11:41	AR\AJ	Ok
6	HSTDICC1000	PS031986.D	13 Oct 2025 12:05	AR\AJ	Ok
7	HSTDICC1500	PS031987.D	13 Oct 2025 12:29	AR\AJ	Ok,M
8	HSTDICV750	PS031988.D	13 Oct 2025 12:52	AR\AJ	Ok
9	I.BLK	PS031989.D	13 Oct 2025 13:16	AR\AJ	Ok,M
10	HSTDCCC750	PS031990.D	13 Oct 2025 13:41	AR\AJ	Ok
11	Q3297-01	PS031991.D	13 Oct 2025 14:05	AR\AJ	Ok,M
12	Q3297-11	PS031992.D	13 Oct 2025 14:29	AR\AJ	Ok
13	PB170051BL	PS031993.D	13 Oct 2025 14:53	AR\AJ	Ok
14	PB170051BS	PS031994.D	13 Oct 2025 15:17	AR\AJ	Not Ok
15	Q3297-01MS	PS031995.D	13 Oct 2025 15:41	AR\AJ	Ok,M
16	Q3297-01MSD	PS031996.D	13 Oct 2025 16:06	AR\AJ	Ok,M
17	Q3305-01	PS031997.D	13 Oct 2025 16:30	AR\AJ	Ok
18	I.BLK	PS031998.D	13 Oct 2025 16:54	AR\AJ	Ok
19	HSTDCCC750	PS031999.D	13 Oct 2025 17:18	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102325

Review By	Review On
Supervise By	Supervise On
SubDirectory PS102325	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	PS032130.D	23 Oct 2025 09:16	AR\AJ	Ok
2	I.BLK	PS032131.D	23 Oct 2025 09:40	AR\AJ	Ok
3	HSTDCCC750	PS032132.D	23 Oct 2025 10:04	AR\AJ	Ok
4	PB170220BL	PS032133.D	23 Oct 2025 10:31	AR\AJ	Ok
5	PB170220BS	PS032134.D	23 Oct 2025 10:55	AR\AJ	Ok,M
6	Q3399-01	PS032135.D	23 Oct 2025 11:20	AR\AJ	Ok,M
7	Q3399-02	PS032136.D	23 Oct 2025 11:44	AR\AJ	Ok,M
8	PB170172TB	PS032137.D	23 Oct 2025 12:09	AR\AJ	Not Ok
9	PB170221BL	PS032138.D	23 Oct 2025 12:33	AR\AJ	Ok,M
10	PB170221BS	PS032139.D	23 Oct 2025 12:58	AR\AJ	Ok,M
11	Q3412-01	PS032140.D	23 Oct 2025 13:22	AR\AJ	Ok,M
12	Q3412-01MS	PS032141.D	23 Oct 2025 13:47	AR\AJ	Not Ok
13	Q3412-01MSD	PS032142.D	23 Oct 2025 14:11	AR\AJ	Not Ok
14	I.BLK	PS032143.D	23 Oct 2025 14:36	AR\AJ	Ok
15	HSTDCCC750	PS032144.D	23 Oct 2025 15:00	AR\AJ	Ok,M
16	Q3399-02MS	PS032145.D	23 Oct 2025 15:25	AR\AJ	Ok,M
17	Q3399-02MSD	PS032146.D	23 Oct 2025 15:49	AR\AJ	Ok,M
18	I.BLK	PS032147.D	23 Oct 2025 16:49	AR\AJ	Ok
19	HSTDCCC750	PS032148.D	23 Oct 2025 17:13	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102425

Review By	Abdul	Review On	10/27/2025 9:16:47 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:55 AM
SubDirectory	PS102425	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	PS032149.D	24 Oct 2025 09:46	AR\AJ	Ok
2	I.BLK	PS032150.D	24 Oct 2025 10:10	AR\AJ	Ok
3	HSTDCCC750	PS032151.D	24 Oct 2025 10:34	AR\AJ	Ok,M
4	PB170172TB	PS032152.D	24 Oct 2025 12:28	AR\AJ	Ok
5	I.BLK	PS032153.D	24 Oct 2025 14:04	AR\AJ	Ok
6	HSTDCCC750	PS032154.D	24 Oct 2025 14:28	AR\AJ	Ok,M
7	Q3412-01MS	PS032155.D	24 Oct 2025 15:50	AR\AJ	ReRun
8	Q3412-01MSD	PS032156.D	24 Oct 2025 16:14	AR\AJ	ReRun
9	Q3412-01MSRE	PS032157.D	24 Oct 2025 16:39	AR\AJ	Confirms
10	Q3412-01MSDRE	PS032158.D	24 Oct 2025 17:04	AR\AJ	Confirms
11	I.BLK	PS032159.D	24 Oct 2025 17:28	AR\AJ	Ok
12	HSTDCCC750	PS032160.D	24 Oct 2025 17:53	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS101325

Review By	Abdul	Review On	10/14/2025 8:45:14 AM
Supervise By	mohammad	Supervise On	10/15/2025 1:15:14 AM
SubDirectory	PS101325	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	PS031981.D	13 Oct 2025 09:35		AR\AJ	Ok
2	I.BLK	I.BLK	PS031982.D	13 Oct 2025 10:29		AR\AJ	Ok,M
3	HSTDICC200	HSTDICC200	PS031983.D	13 Oct 2025 10:53		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS031984.D	13 Oct 2025 11:17		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS031985.D	13 Oct 2025 11:41	Method fail for comp@10	AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031986.D	13 Oct 2025 12:05		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS031987.D	13 Oct 2025 12:29		AR\AJ	Ok,M
8	HSTDICV750	ICVPS101325	PS031988.D	13 Oct 2025 12:52		AR\AJ	Ok
9	I.BLK	I.BLK	PS031989.D	13 Oct 2025 13:16		AR\AJ	Ok,M
10	HSTDCCC750	HSTDCCC750	PS031990.D	13 Oct 2025 13:41		AR\AJ	Ok
11	Q3297-01	TP1	PS031991.D	13 Oct 2025 14:05		AR\AJ	Ok,M
12	Q3297-11	TP2	PS031992.D	13 Oct 2025 14:29		AR\AJ	Ok
13	PB170051BL	PB170051BL	PS031993.D	13 Oct 2025 14:53		AR\AJ	Ok
14	PB170051BS	PB170051BS	PS031994.D	13 Oct 2025 15:17	Comp#3,9,10,15 recovery fail	AR\AJ	Not Ok
15	Q3297-01MS	TP1MS	PS031995.D	13 Oct 2025 15:41	some compound recovery fail	AR\AJ	Ok,M
16	Q3297-01MSD	TP1MSD	PS031996.D	13 Oct 2025 16:06	some compound recovery fail	AR\AJ	Ok,M
17	Q3305-01	AU-06-100725	PS031997.D	13 Oct 2025 16:30		AR\AJ	Ok
18	I.BLK	I.BLK	PS031998.D	13 Oct 2025 16:54		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS101325

Review By	Abdul	Review On	10/14/2025 8:45:14 AM
Supervise By	mohammad	Supervise On	10/15/2025 1:15:14 AM
SubDirectory	PS101325	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	PP24923
MS/MSD Standard	
LCS Standard	

19	HSTDCCC750	HSTDCCC750	PS031999.D	13 Oct 2025 17:18		AR/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102325

Review By	Review On
Supervise By	Supervise On
SubDirectory	PS102325
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	PS032130.D	23 Oct 2025 09:16		AR\AJ	Ok
2	I.BLK	I.BLK	PS032131.D	23 Oct 2025 09:40		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS032132.D	23 Oct 2025 10:04		AR\AJ	Ok
4	PB170220BL	PB170220BL	PS032133.D	23 Oct 2025 10:31		AR\AJ	Ok
5	PB170220BS	PB170220BS	PS032134.D	23 Oct 2025 10:55		AR\AJ	Ok,M
6	Q3399-01	COMP-ROLLOFF	PS032135.D	23 Oct 2025 11:20		AR\AJ	Ok,M
7	Q3399-02	COMP-ROLLOFF	PS032136.D	23 Oct 2025 11:44		AR\AJ	Ok,M
8	PB170172TB	PB170172TB	PS032137.D	23 Oct 2025 12:09	Surrogate low in both column	AR\AJ	Not Ok
9	PB170221BL	PB170221BL	PS032138.D	23 Oct 2025 12:33		AR\AJ	Ok,M
10	PB170221BS	PB170221BS	PS032139.D	23 Oct 2025 12:58		AR\AJ	Ok,M
11	Q3412-01	TP-6	PS032140.D	23 Oct 2025 13:22		AR\AJ	Ok,M
12	Q3412-01MS	TP-6MS	PS032141.D	23 Oct 2025 13:47	recovery fail for some compounds, comp # 1 & 14 having F flag in 1st column	AR\AJ	Not Ok
13	Q3412-01MSD	TP-6MSD	PS032142.D	23 Oct 2025 14:11	recovery fail for some compounds, comp # 1 & 14 having F flag in 1st column	AR\AJ	Not Ok
14	I.BLK	I.BLK	PS032143.D	23 Oct 2025 14:36		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS032144.D	23 Oct 2025 15:00		AR\AJ	Ok,M
16	Q3399-02MS	COMP-ROLLOFFMS	PS032145.D	23 Oct 2025 15:25	recovery fail for some compounds	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102325

Review By		Review On	
Supervise By		Supervise On	
SubDirectory	PS102325	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	PP24923		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

17	Q3399-02MSD	COMP-ROLLOFFMSD	PS032146.D	23 Oct 2025 15:49	recovery fail for some compounds	AR\AJ	Ok,M
18	I.BLK	I.BLK	PS032147.D	23 Oct 2025 16:49		AR\AJ	Ok
19	HSTDCCC750	HSTDCCC750	PS032148.D	23 Oct 2025 17:13		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS102425

Review By	Abdul	Review On	10/27/2025 9:16:47 AM
Supervise By	mohammad	Supervise On	10/28/2025 6:10:55 AM
SubDirectory	PS102425	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	PS032149.D	24 Oct 2025 09:46		AR\AJ	Ok
2	I.BLK	I.BLK	PS032150.D	24 Oct 2025 10:10		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS032151.D	24 Oct 2025 10:34		AR\AJ	Ok,M
4	PB170172TB	PB170172TB	PS032152.D	24 Oct 2025 12:28		AR\AJ	Ok
5	I.BLK	I.BLK	PS032153.D	24 Oct 2025 14:04		AR\AJ	Ok
6	HSTDCCC750	HSTDCCC750	PS032154.D	24 Oct 2025 14:28		AR\AJ	Ok,M
7	Q3412-01MS	TP-6MS	PS032155.D	24 Oct 2025 15:50	F Flag in comp#1,3,14. some compound recovery fail	AR\AJ	ReRun
8	Q3412-01MSD	TP-6MSD	PS032156.D	24 Oct 2025 16:14	F Flag in comp#1,3,14. some compound recovery fail , RPD Fail	AR\AJ	ReRun
9	Q3412-01MSRE	TP-6MSRE	PS032157.D	24 Oct 2025 16:39	F Flag in comp#1,3,14. some compound recovery fail	AR\AJ	Confirms
10	Q3412-01MSDRE	TP-6MSDRE	PS032158.D	24 Oct 2025 17:04	F Flag in comp#1,3,14. some compound recovery fail , RPD Fail	AR\AJ	Confirms
11	I.BLK	I.BLK	PS032159.D	24 Oct 2025 17:28		AR\AJ	Ok
12	HSTDCCC750	HSTDCCC750	PS032160.D	24 Oct 2025 17:53		AR\AJ	Ok

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 : 10/21/2025 **Time :** 14:00
End Prep Date : 10/22/2025 **Time :** 07:20
Combination Ratio : 20
ZHE Cleaning Batch : MA 10
Initial Room Temperature: 22 °C
Final Room Temperature: 21 °C
TCLP Technician Signature : [Signature]
Supervisor By : [Signature]

Standard 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
N/A	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. q3412-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/25 09:30	[Signature] / Lab Room	SKG. ET / EXT
	Preparation Group	Analysis Group [Signature]

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
PB170172TB	LEB172	14	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3368-06	OUTSIDE-DUMPSTER	01	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q3368-07	PRESS-SLUDGE	02	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3397-04	TP-7-WC	03	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3399-02	COMP-ROLLOFF	04	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q3402-03	41-LA	05	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3402-06	41-RA	06	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-09	41-LB	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-12	41-RB	08	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3403-04	MH-18	09	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3404-02	MOO-25-0285-0288	10	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q3404-06	MOO-25-0292	11	100.01	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q3406-02	ARS20-0037	12	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q3412-04	TP-6	13	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170172TB	LEB172	N/A	N/A	N/A	N/A	N/A	N/A
Q3368-06	OUTSIDE-DUMPSTER	N/A	N/A	N/A	N/A	100	N/A
Q3368-07	PRESS-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
Q3397-04	TP-7-WC	N/A	N/A	N/A	N/A	100	N/A
Q3399-02	COMP-ROLLOFF	N/A	N/A	N/A	N/A	100	N/A
Q3402-03	41-LA	N/A	N/A	N/A	N/A	100	N/A
Q3402-06	41-RA	N/A	N/A	N/A	N/A	100	N/A
Q3402-09	41-LB	N/A	N/A	N/A	N/A	100	N/A
Q3402-12	41-RB	N/A	N/A	N/A	N/A	100	N/A
Q3403-04	MH-18	N/A	N/A	N/A	N/A	100	N/A
Q3404-02	MOO-25-0285-0288	N/A	N/A	N/A	N/A	100	N/A
Q3404-06	MOO-25-0292	N/A	N/A	N/A	N/A	100	N/A
Q3406-02	ARS20-0037	N/A	N/A	N/A	N/A	100	N/A
Q3412-04	TP-6	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
PB170172TB	LEB172	N/A	N/A	N/A	N/A	#1	4.94
Q3368-06	OUTSIDE-DUMPSTER	5.02	96.5	7.0	2.5	#1	4.94
Q3368-07	PRESS-SLUDGE	5.01	96.5	5.5	1.5	#1	4.94
Q3397-04	TP-7-WC	5.03	96.5	7.6	2.5	#1	4.94
Q3399-02	COMP-ROLLOFF	5.02	96.5	7.0	2.0	#1	4.94
Q3402-03	41-LA	5.01	96.5	7.6	2.5	#1	4.94
Q3402-06	41-RA	5.02	96.5	7.2	2.0	#1	4.94
Q3402-09	41-LB	5.02	96.5	7.2	2.5	#1	4.94
Q3402-12	41-RB	5.03	96.5	7.2	2.5	#1	4.94
Q3403-04	MH-18	5.02	96.5	5.6	1.5	#1	4.94
Q3404-02	MOO-25-0285-0288	5.03	96.5	6.0	2.0	#1	4.94
Q3404-06	MOO-25-0292	5.02	96.5	5.6	1.5	#1	4.94
Q3406-02	ARS20-0037	5.01	96.5	6.0	2.0	#1	4.94
Q3412-04	TP-6	5.02	96.5	8.6	3.0	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q3406 WorkList ID : 192576 Department : TCLP Extraction Date : 10-21-2025 09:34:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-06	OUTSIDE-DUMPSTER	Solid	TCLP Extraction	Cool 4 deg C	ARAM01	D41	10/16/2025	1311
Q3368-07	PRESS-SLUDGE	Solid	TCLP Extraction	Cool 4 deg C	ARAM01	D41	10/16/2025	1311
Q3397-04	TP-7-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/18/2025	1311
Q3399-02	COMP-ROLLOFF	Solid	TCLP Extraction	Cool 4 deg C	ICES02	D41	10/20/2025	1311
Q3402-03	41-LA	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3402-06	41-RA	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3402-09	41-LB	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3402-12	41-RB	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311
Q3403-04	MH-18	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3404-02	MOO-25-0285-0288	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3404-06	MOO-25-0292	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3406-02	ARS20-0037	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311
Q3412-04	TP-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311

10/21/25 12:00

10/21/25 15:30

Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Raw Sample Received by: CP SA
Raw Sample Relinquished by: [Signature]

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 Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Extraction By: EH

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,7

Extraction Start Date : 10/22/2025

Extraction Start Time : 10:02

Extraction End Date : 10/22/2025

Extraction End Time : 17:00

Concentration By: EH

Supervisor By : RUPESH

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	V14622
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 6N NaOH>12 prior to Hydrolysis, PH adjusted with cold 12N H2SO4<2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ml Vial Lot # 03-40BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/25	RS (Ext Lab)	R. Perle/Perle Lab
17:05	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 10/22/2025

Sample ID	Client Sample ID	Test	g / ~~ml~~	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170172TB	PB170172TB	TCLP Herbicide	100	6	Evelyn	RUPESEH	10			SEP-1
PB170220BL	HBLK220	TCLP Herbicide	1000	6	Evelyn	RUPESEH	10			2
PB170220BS	HLCS220	TCLP Herbicide	1000	6	Evelyn	RUPESEH	10			3
Q3399-02	COMP-ROLLOFF	TCLP Herbicide	100	6	Evelyn	RUPESEH	10	A		4
Q3399-02MS	COMP-ROLLOFFMS	TCLP Herbicide	100	6	Evelyn	RUPESEH	10	A		5
Q3399-02MS D	COMP-ROLLOFFMSD	TCLP Herbicide	100	6	Evelyn	RUPESEH	10	A		6

[Large handwritten signature/initials]

RS
10/22

* Extracts relinquished on the same date as received.

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
PB170172TB	LEB172	14	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q3368-06	OUTSIDE-DUMPSTER	01	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q3368-07	PRESS-SLUDGE	02	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3397-04	TP-7-WC	03	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3399-02	COMP-ROLLOFF	04	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q3402-03	41-LA	05	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3402-06	41-RA	06	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-09	41-LB	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3402-12	41-RB	08	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q3403-04	MH-18	09	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q3404-02	MOO-25-0285-0288	10	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q3404-06	MOO-25-0292	11	100.01	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q3406-02	ARS20-0037	12	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q3412-04	TP-6	13	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-2

10/22/25
09130

Prep Standard - Chemical Standard Summary

Order ID : Q3399

Test : TCLP Herbicide

Prepbatch ID : PB170220,

Sequence ID/Qc Batch ID: PS102325,pS102425,

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,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
601	Acidified Sodium Sulphate 2	EP2633	08/15/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2	None	Riteshkumar Patel

FROM 1000.00000ml of E3952 + 150.00000ml of M6157 + 3000.00000ml of E3875 = Final Quantity: 3000.000 gram
(EX-SC-2)

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3883	12N H2SO4 solution	EP2653	10/22/2025	04/22/2026	RUPESHKUMAR SHAH	None	None	Yogesh Patel

FROM 333.00000ml of M6186 + 667.00000ml of W3112 = Final Quantity: 1000.000 ml

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3884	6 N NAOH	EP2654	10/22/2025	04/22/2026	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Yogesh Patel 11/06/2025

FROM 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

FROM 0.20000ml of P8829 + 1.00000ml of P11183 + 1.00000ml of P12620 + 1.00000ml of P12630 + 1.00000ml of P12689 +
95.80000ml of E3933 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP24929	09/18/2025	03/18/2026	Abdul Mirza	None	None	Yogesh Patel
								09/19/2025

FROM 0.50000ml of P13550 + 1.00000ml of P13548 + 1.00000ml of P13549 + 47.50000ml of E3972 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP24999	10/15/2025	04/13/2026	Abdul Mirza	None	None	Yogesh Patel
								11/04/2025

FROM 1.00000ml of P14073 + 1.00000ml of P14142 + 1.00000ml of P14143 + 1.00000ml of P14144 + 1.00000ml of P14145 + 195.00000ml of E3978 = Final Quantity: 200.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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

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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 E 3884
E 3883 E 3885

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Form: CofA-Standard, Rev 1.8, 31 JUL 2023, RAD

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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5\%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95\%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3933

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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



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

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

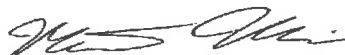
100 Matsonford Rd, Suite 200, Radnor, PA, 19087 U.S.A. Phone 610.386.1700

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™



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 HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - 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	$\leq 1.0 \text{ ppm}$	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

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

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



MG186

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**

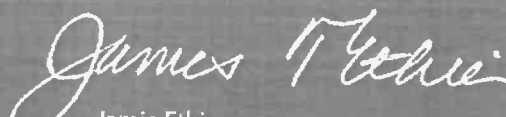


Material No.: 9673-33
Batch No.: 23D2462010

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:

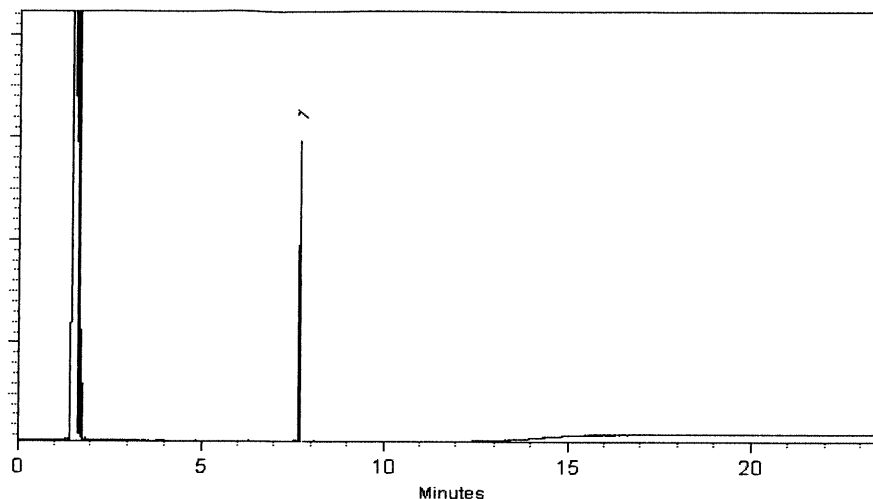
250°C

Det. Temp:

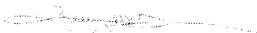
330°C

Det. Type:

FID

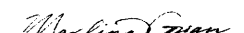


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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
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AR
01/02/21



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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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	200.0 µg/mL	+/-	1.4182	µg/mL	Gravimetric
	CAS # 2905-67-1 (Lot 3903900)		+/-	6.7507	µg/mL	Unstressed
	Purity 99%		+/-	6.7507	µg/mL	Stressed
2	4-Nitroanisole	200.0 µg/mL	+/-	1.4182	µg/mL	Gravimetric
	CAS # 100-17-4 (Lot 24765/7)		+/-	6.7507	µg/mL	Unstressed
	Purity 99%		+/-	6.7507	µg/mL	Stressed
3	Pentachloroanisole	200.0 µg/mL	+/-	1.4182	µg/mL	Gravimetric
	CAS # 1825-21-4 (Lot 7921100)		+/-	6.7507	µg/mL	Unstressed
	Purity 99%		+/-	6.7507	µg/mL	Stressed
4	Chloramben methyl ester	199.9 µg/mL	+/-	1.4176	µg/mL	Gravimetric
	CAS # 7286-84-2 (Lot 6487100)		+/-	6.7480	µg/mL	Unstressed
	Purity 98%		+/-	6.7480	µg/mL	Stressed
5	Bentazon methyl ester	200.0 µg/mL	+/-	1.4182	µg/mL	Gravimetric
	CAS # 61592-45-8 (Lot 817100)		+/-	6.7507	µg/mL	Unstressed
	Purity 99%		+/-	6.7507	µg/mL	Stressed
6	Picloram methyl ester	201.9 µg/mL	+/-	1.4315	µg/mL	Gravimetric
	CAS # 14143-55-6 (Lot 386-21B)		+/-	6.8141	µg/mL	Unstressed
	Purity 98%		+/-	6.8141	µg/mL	Stressed
7	DCPA methyl ester (Chlorthal-dimethyl)	200.0 µg/mL	+/-	1.4182	µg/mL	Gravimetric
	CAS # 1861-32-1 (Lot 8008700)		+/-	6.7507	µg/mL	Unstressed
	Purity 99%		+/-	6.7507	µg/mL	Stressed

8	Acifluorfen methyl ester		200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric
	CAS # 50594-67-7	(Lot 6282300)		+/- 6.7507	µg/mL	Unstressed
	Purity 99%			+/- 6.7507	µg/mL	Stressed

Solvent: Hexane/Methyl-tert-butyl-ether
CAS # 110-54-3/1634-04-4
Purity 99%

Column:
 30m x 0.25mm x 0.25µm
 Rtx-5 (cat.#10223)

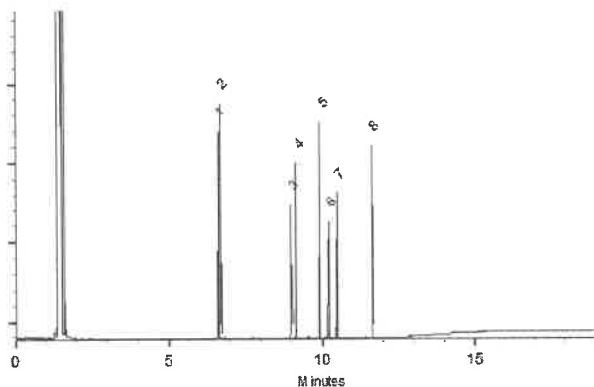
Carrier Gas:
 hydrogen-constant pressure 10 psi.

Temp. Program:
 75°C (hold 1 min.) to 330°C
 @ 20°C/min. (hold 10 min.)

Inj. Temp:
 250°C

Det. Temp:
 330°C

Det. Type:
 FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maje

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Justine Albertson
 Justine Albertson - Operations Tech-ARM QC

Date Passed: 18-Nov-2019

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32055 **Lot No.:** A0192429

Description : Herbicide Mix #1/ME (Methyl Ester)
Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P12626 / (5)
P12630
7/5/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	11705400	99%	201.6 µg/mL	+/- 3.4204
2	Dichlorprop methyl ester	57153-17-0	11672100	99%	201.4 µg/mL	+/- 3.4170
3	2,4-D methyl ester	1928-38-7	10048000	99%	201.2 µg/mL	+/- 3.4136
4	2,4,5-TP (silvex) methyl ester	4841-20-7	6364900	99%	201.2 µg/mL	+/- 3.4136
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	200.7 µg/mL	+/- 3.4052
6	Dinoseb methyl ether	6099-79-2	12914300	99%	200.8 µg/mL	+/- 3.4068
7	2,4-DB methyl ester	18625-12-2	12542000	99%	201.0 µg/mL	+/- 3.4102

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

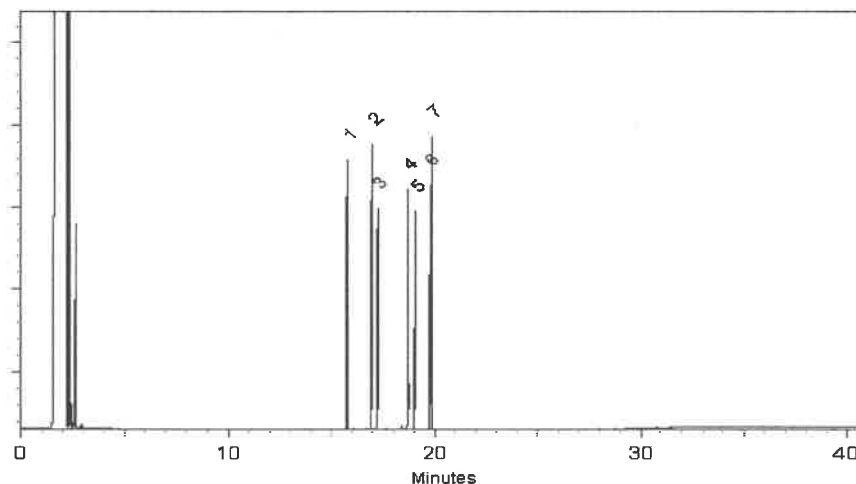
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 09-Dec-2022

Balance Serial # 1128360905

Jennifer Pollino
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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)
Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P 12685 / (S)
P 12689 /
RAU= 7/24/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCCP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

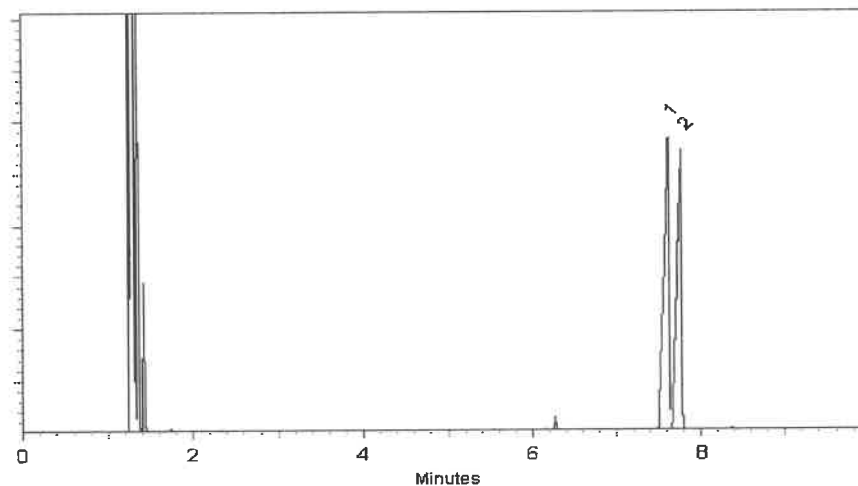
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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.

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CSD-QA-015.2

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P13541
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P13561
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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.

Page: 1 of 2

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Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3 ±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019 ±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011 ±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4 ±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Page: 1 of 2

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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.

Page: 1 of 2

CSD-QA-015.2

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CERTIFIED REFERENCE MATERIAL

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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%



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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
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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

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Tel: (800)356-1688
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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32254 **Lot No.:** A0148063
Description : Dalapon methyl ester Standard
Dalapon methyl ester 1000µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2026 **Storage:** 10°C or colder
Handling: This product is photosensitive.

Received by
SG on 8/16/19
P8828
P8826

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Dalapon methyl ester	999.6 µg/mL	+/- 10.0697 µg/mL Gravimetric
	CAS # 17640-02-7 (Lot 1764600)		+/- 34.4896 µg/mL Unstressed
	Purity 98%		+/- 34.4896 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

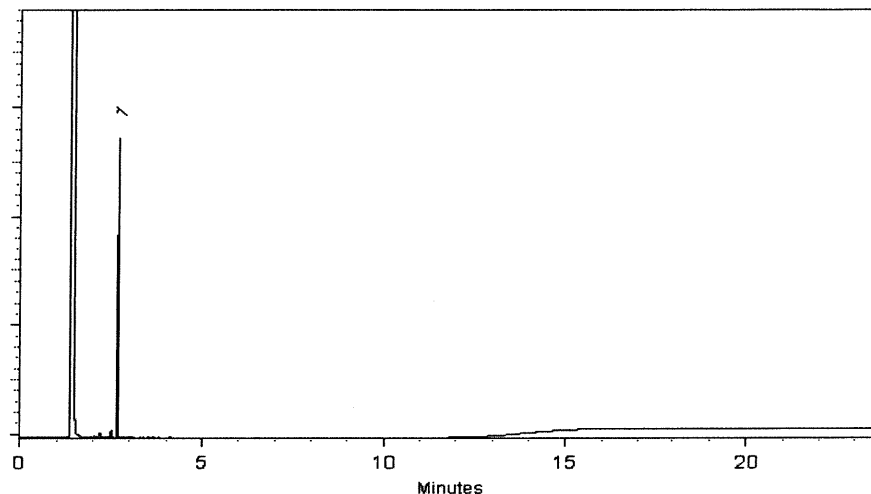
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

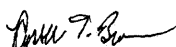
Inj. Temp:
250°C

Det. Temp:
330°C

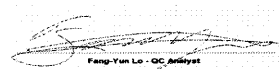
Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2019 **Balance:** 1127510105


Feng-Yin Lo - QC Analyst

Date Passed: 15-Apr-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



SHIPPING DOCUMENTS

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CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: TCE Service Group, Inc.
ADDRESS: 125 Bloomingdale Rd
CITY Levittown STATE: N.Y. ZIP:
ATTENTION: Dennis d. Morgan, II
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ICES 02
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY Stun STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): 72 HR TAT DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. TCL 2. TCLP 3. Herb 4. DF 5. PC 6. 7. 8. 9.

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	<u>Comp-Rolloff</u>	<u>50L</u>	<u>X</u>		<u>10-20-25</u>	<u>12:00</u>	<u>6</u>			<u>X</u>	<u>X</u>	<u>X</u>					<u>PiD = 1.3</u>
2.		<u>I</u>		<u>X</u>	<u>I</u>	<u>12:04</u>	<u>3</u>	<u>X</u>	<u>X</u>								<u>PiD = 1.3</u>
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>1300</u> <u>10-20-2025</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>35</u> °C Comments: <u>*PiD Meter Calibrated 10-20-2025 *</u> <u>Equal Volume of soil used,</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u></u>	RECEIVED BY: 2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>1759</u> <u>10-20-2025</u>	RECEIVED BY: 3. <u>[Signature]</u>	

Page of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3399 ICES02
Client Name : ICE Service Group, Inc.
Client Contact : Dennis D. Morgan, II
Invoice Name : ICE Service Group, Inc.
Invoice Contact : Dennis D. Morgan, II

Order Date : 10/20/2025 1:23:08 PM
Project Name : NWIRP Northrup Grumman
Receive Date Time : 10/20/2025 12:00:00 AM
Purchase Order : 5:54 PM

Project Mgr :
Report Type : NYS ASP A
EDD Type : NYSDEC EDD V-4
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3399-03	COMP-ROLLOFF	Solid	10/20/2025	12:04	VOC-TCLVOA-10		8260D		3 Bus. Days

Relinquished By :

Date / Time : 10/21/25 0740

Received By :

Date / Time : 10/21/25 08:00

Storage Area : VOA Refridgerator Room

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101025\
 Data File : PS031983.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 18:37
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC200

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 04:07:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101025.M
 Quant Title : 8080.M
 QLast Update : Sat Oct 11 03:59:35 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.289	7.754	902.0E6	185.7E6	232.001	188.692
Target Compounds							
1) T	Dalapon	2.664	2.687	1382.4E6	711.2E6	212.020	215.478
2) T	3,5-DICHL...	6.455	6.709	1245.4E6	292.3E6	219.464	181.499
3) T	4-Nitroph...	7.150f	0.000	99383983	0	97.113	N.D. #
5) T	DICAMBA	7.465	7.938	3685.7E6	1489.4E6	213.998	205.080
6) T	MCPD	7.637	8.029	148.4E6	31441401	15.507	13.517
7) T	MCPA	7.786	8.276	186.9E6	50012161	15.587	15.252
8) T	DICHLORPROP	8.176	8.663	884.9E6	360.6E6	231.862	229.984
9) T	2,4-D	8.433	9.025f	686.2E6	297.5E6	193.305	171.039
10) T	Pentachlo...	8.702	9.505	13909.8E6	9637.8E6	227.677	206.574
11) T	2,4,5-TP ...	9.283	9.895	5015.2E6	3598.8E6	217.412	211.486
12) T	2,4,5-T	9.590	10.332	3915.2E6	2711.9E6	194.900	184.370
13) T	2,4-DB	10.171	10.904	267.8E6	169.3E6	136.764	163.301
14) T	DINOSEB	11.344	11.262	4101.8E6	2628.2E6	234.176	208.708
15) T	Picloram	11.151f	12.408	445.0E6	4797.2E6	22.839	170.125 #
16) T	DCPA	11.644	12.302	6787.3E6	5987.1E6	226.536	212.678

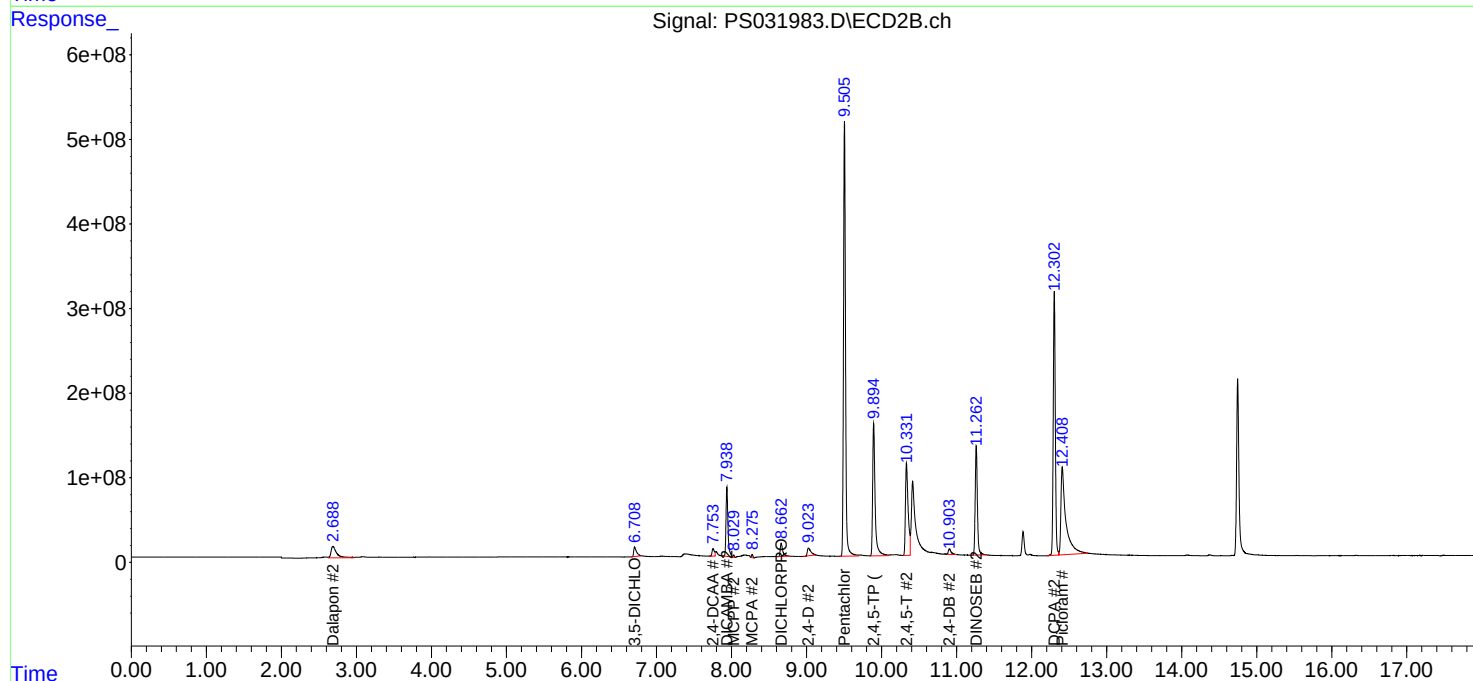
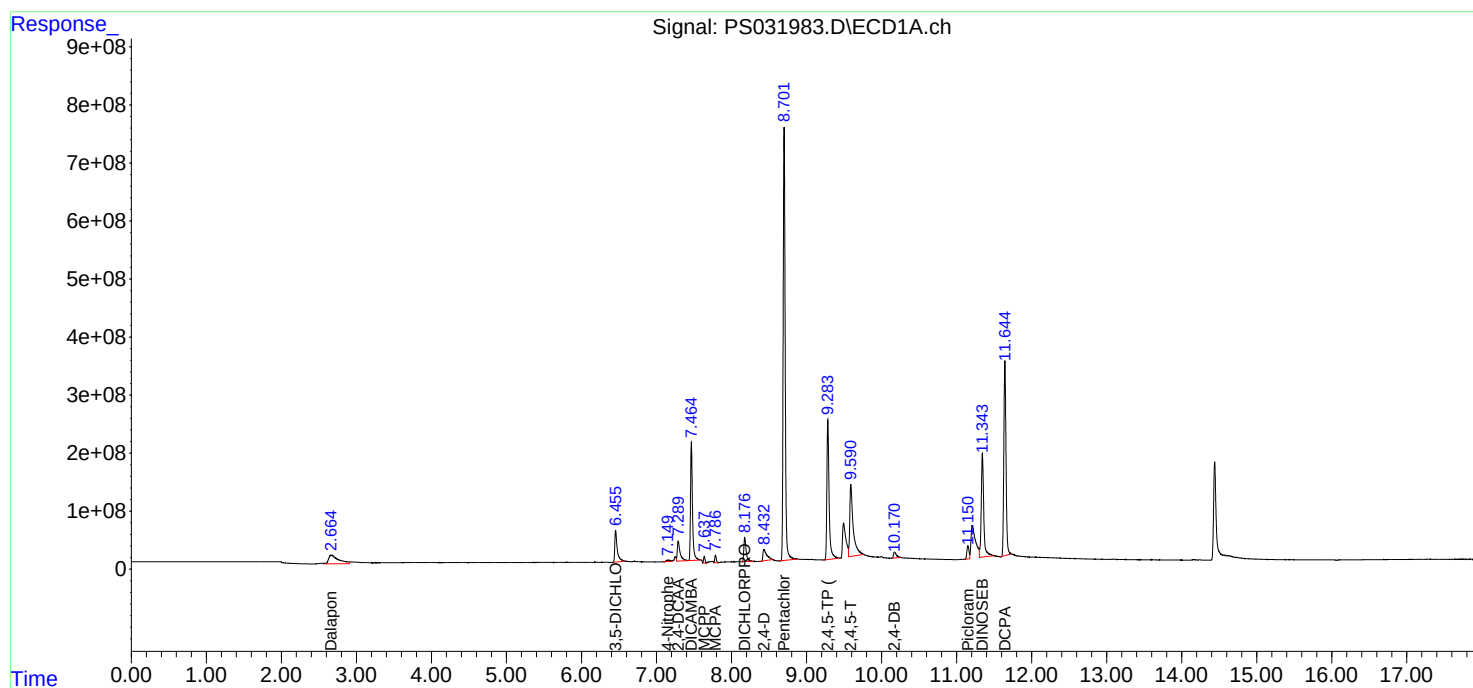
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

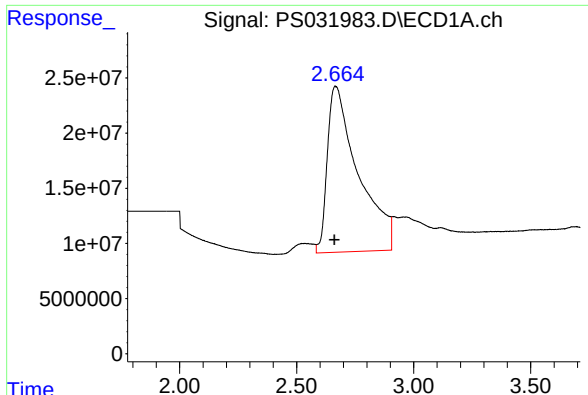
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101025\
Data File : PS031983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 18:37
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 04:07:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101025.M
Quant Title : 8080.M
QLast Update : Sat Oct 11 03:59:35 2025
Response via : Initial Calibration
Integrator: ChemStation

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

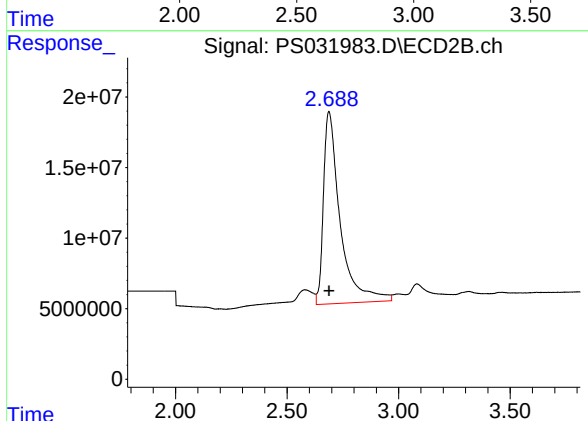




#1 Dalapon

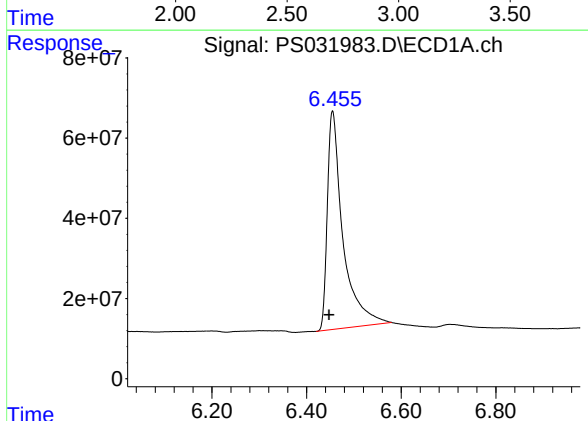
R.T.: 2.664 min
Delta R.T.: 0.003 min
Response: 1382434922
Conc: 212.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



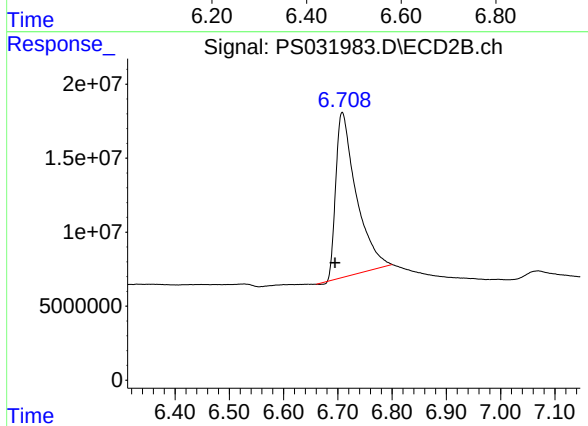
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: 0.000 min
Response: 711159428
Conc: 215.48 ng/ml



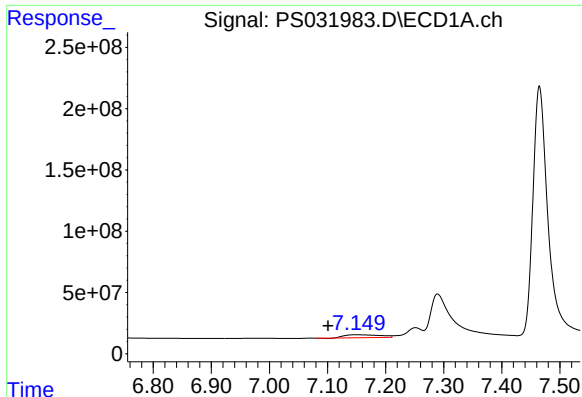
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.455 min
Delta R.T.: 0.007 min
Response: 1245379544
Conc: 219.46 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

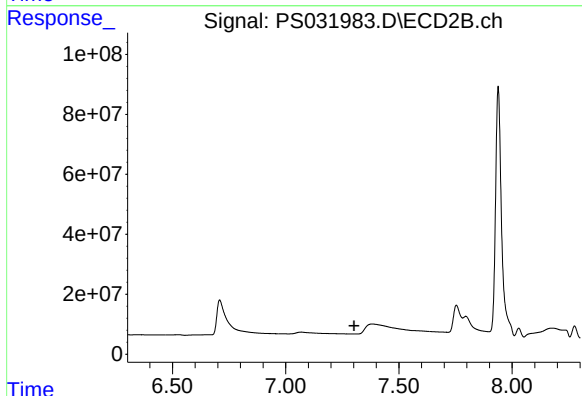
R.T.: 6.709 min
Delta R.T.: 0.013 min
Response: 292251693
Conc: 181.50 ng/ml



#3 4-Nitrophenol

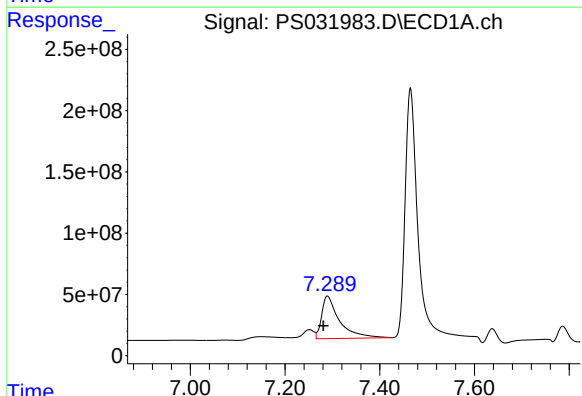
R.T.: 7.150 min
Delta R.T.: 0.049 min
Response: 99383983
Conc: 97.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



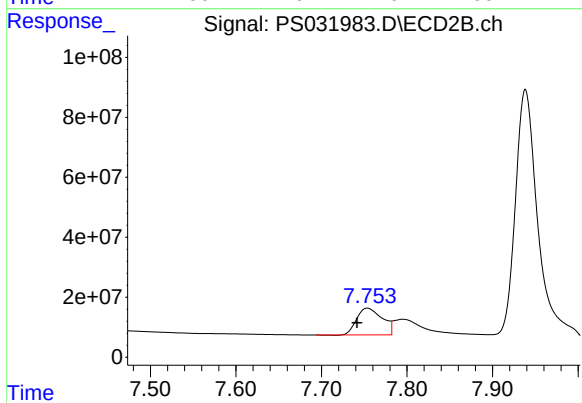
#3 4-Nitrophenol

R.T.: 0.000 min
Exp R.T. : 7.302 min
Response: 0
Conc: N.D.



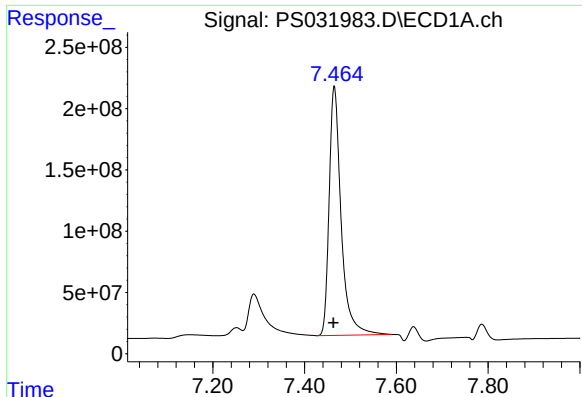
#4 2,4-DCAA

R.T.: 7.289 min
Delta R.T.: 0.008 min
Response: 902008277
Conc: 232.00 ng/ml



#4 2,4-DCAA

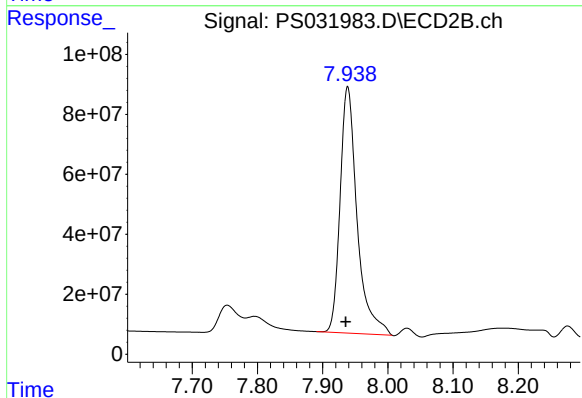
R.T.: 7.754 min
Delta R.T.: 0.012 min
Response: 185724666
Conc: 188.69 ng/ml



#5 DICAMBA

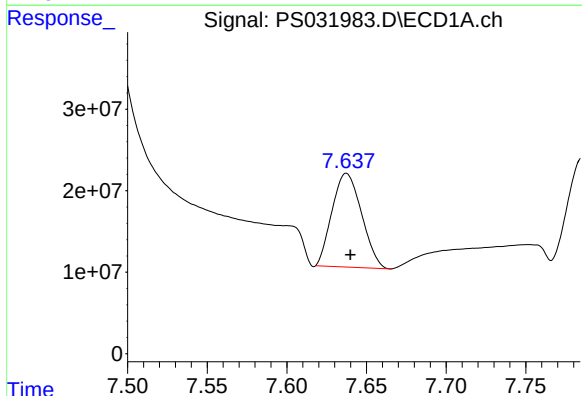
R.T.: 7.465 min
Delta R.T.: 0.002 min
Response: 3685732048
Conc: 214.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



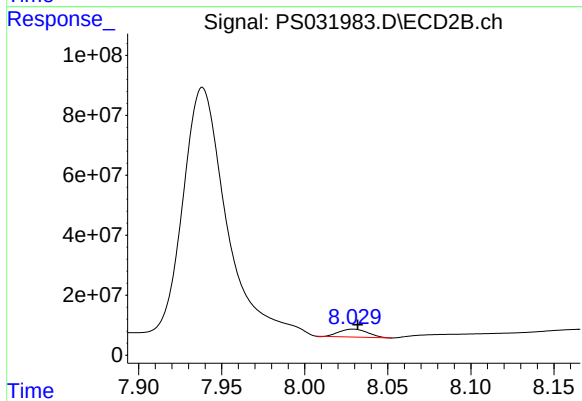
#5 DICAMBA

R.T.: 7.938 min
Delta R.T.: 0.003 min
Response: 1489405201
Conc: 205.08 ng/ml



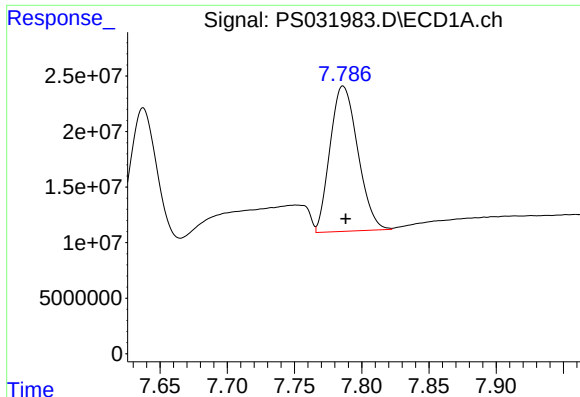
#6 MCP

R.T.: 7.637 min
Delta R.T.: -0.003 min
Response: 148381643
Conc: 15.51 ug/ml



#6 MCP

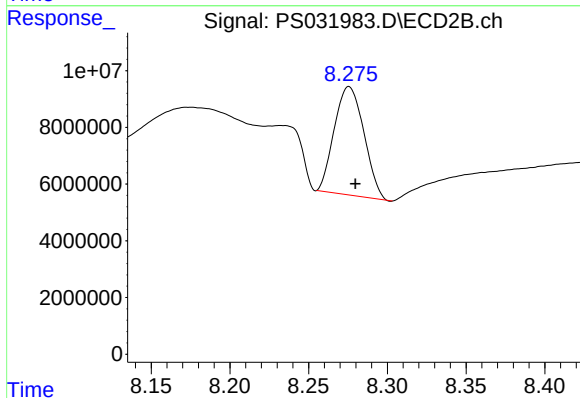
R.T.: 8.029 min
Delta R.T.: -0.003 min
Response: 31441401
Conc: 13.52 ug/ml



#7 MCPA

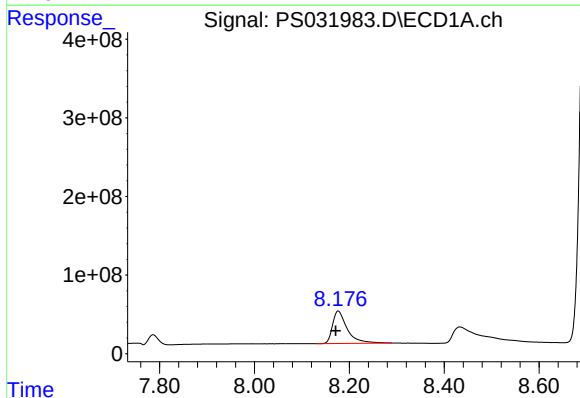
R.T.: 7.786 min
Delta R.T.: -0.002 min
Response: 186884115
Conc: 15.59 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



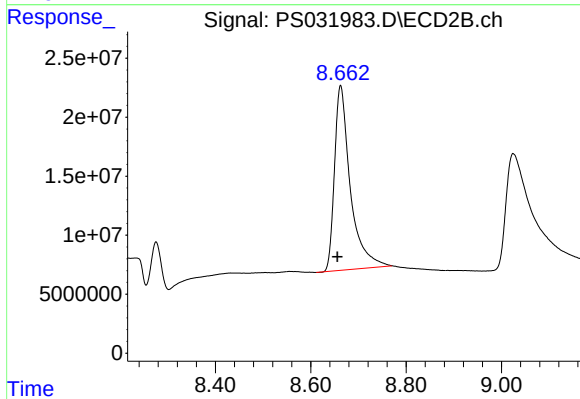
#7 MCPA

R.T.: 8.276 min
Delta R.T.: -0.004 min
Response: 50012161
Conc: 15.25 ug/ml



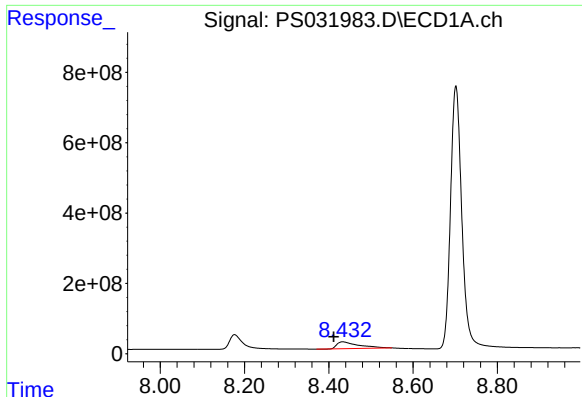
#8 DICHLORPROP

R.T.: 8.176 min
Delta R.T.: 0.005 min
Response: 884882670
Conc: 231.86 ng/ml



#8 DICHLORPROP

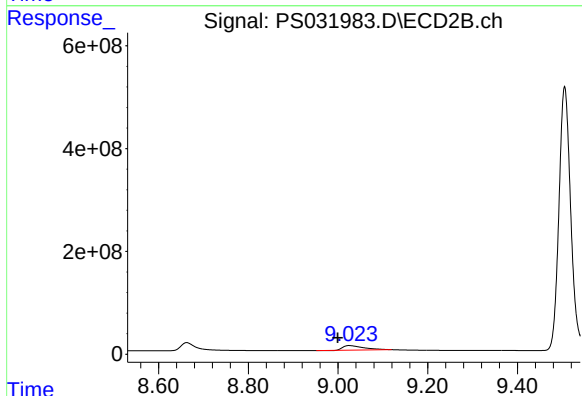
R.T.: 8.663 min
Delta R.T.: 0.007 min
Response: 360590973
Conc: 229.98 ng/ml



#9 2,4-D

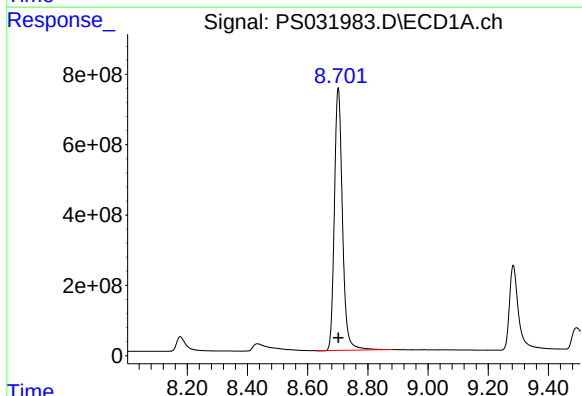
R.T.: 8.433 min
Delta R.T.: 0.021 min
Response: 686244520
Conc: 193.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



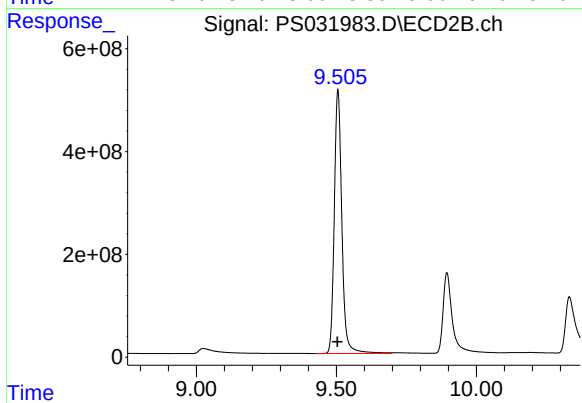
#9 2,4-D

R.T.: 9.025 min
Delta R.T.: 0.026 min
Response: 297465577
Conc: 171.04 ng/ml



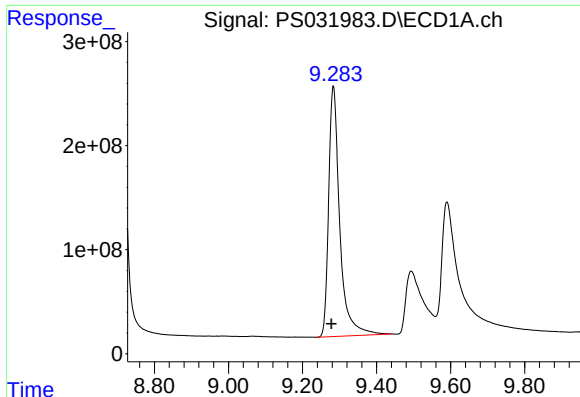
#10 Pentachlorophenol

R.T.: 8.702 min
Delta R.T.: 0.000 min
Response: 13909839687
Conc: 227.68 ng/ml



#10 Pentachlorophenol

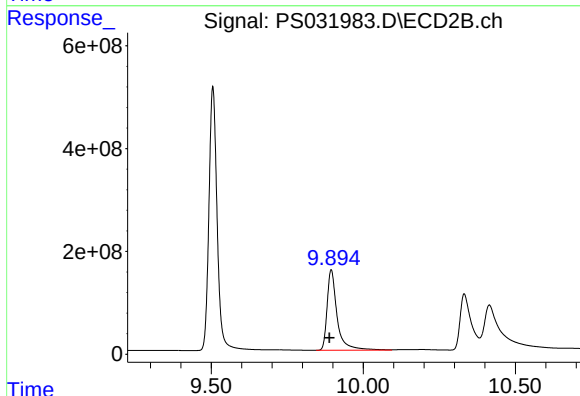
R.T.: 9.505 min
Delta R.T.: 0.002 min
Response: 9637822157
Conc: 206.57 ng/ml



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

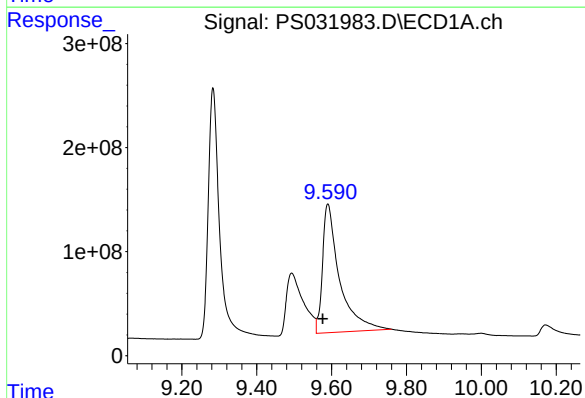
R.T.: 9.283 min
Delta R.T.: 0.005 min
Response: 5015178322
Conc: 217.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



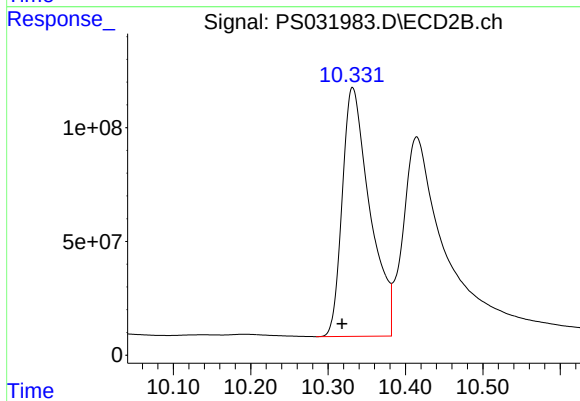
#11 2,4,5-TP (SILVEX)

R.T.: 9.895 min
Delta R.T.: 0.006 min
Response: 3598766075
Conc: 211.49 ng/ml



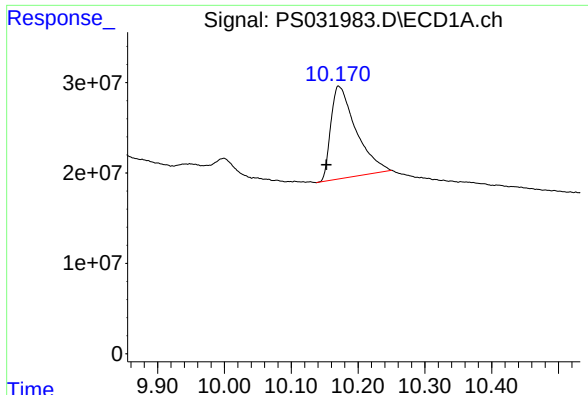
#12 2,4,5-T

R.T.: 9.590 min
Delta R.T.: 0.013 min
Response: 3915200333
Conc: 194.90 ng/ml



#12 2,4,5-T

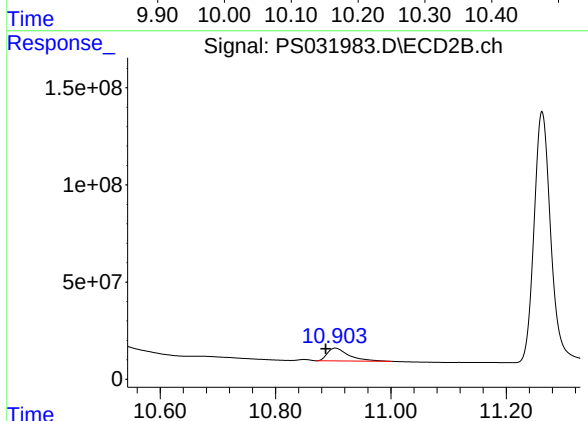
R.T.: 10.332 min
Delta R.T.: 0.014 min
Response: 2711940236
Conc: 184.37 ng/ml



#13 2,4-DB

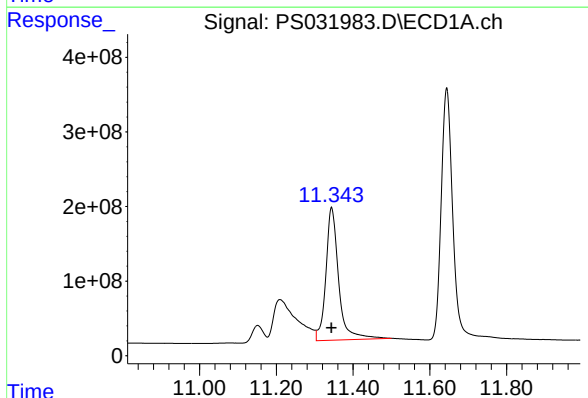
R.T.: 10.171 min
Delta R.T.: 0.018 min
Response: 267821468
Conc: 136.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



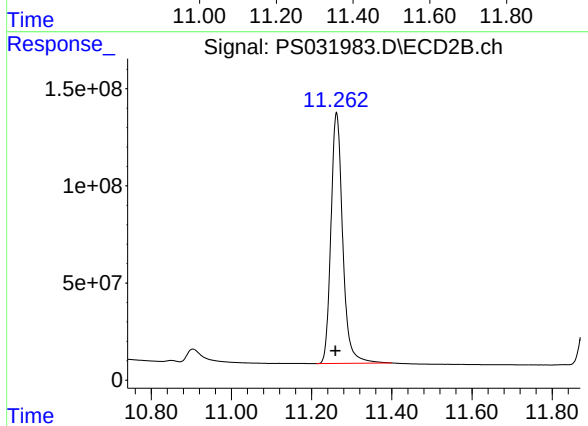
#13 2,4-DB

R.T.: 10.904 min
Delta R.T.: 0.016 min
Response: 169320342
Conc: 163.30 ng/ml



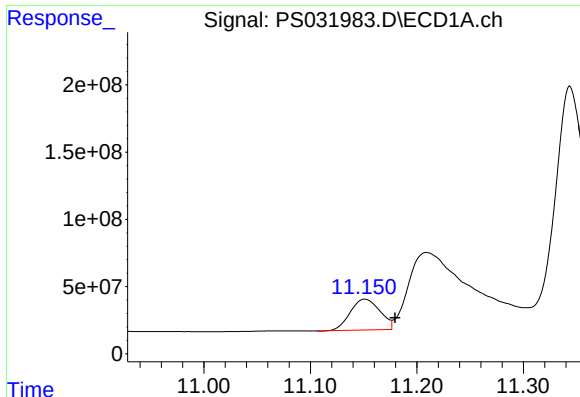
#14 DINOSEB

R.T.: 11.344 min
Delta R.T.: 0.000 min
Response: 4101763246
Conc: 234.18 ng/ml



#14 DINOSEB

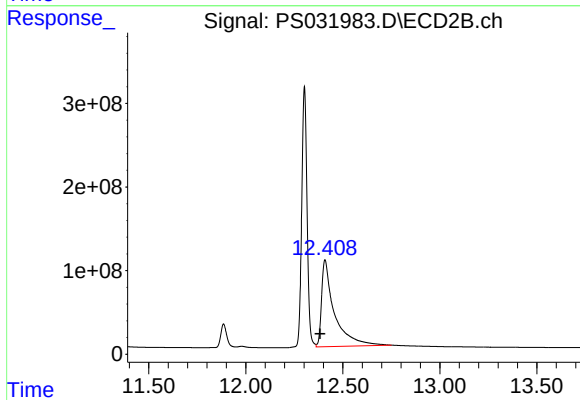
R.T.: 11.262 min
Delta R.T.: 0.003 min
Response: 2628233578
Conc: 208.71 ng/ml



#15 Picloram

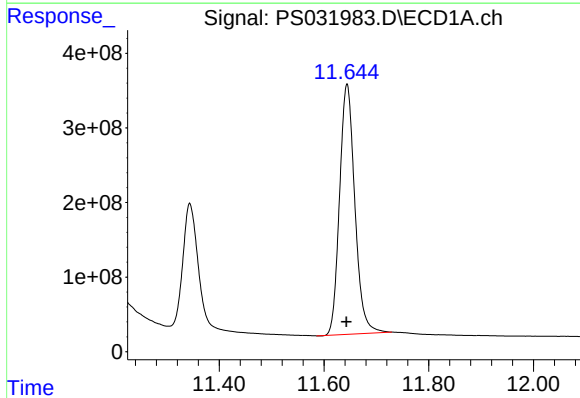
R.T.: 11.151 min
Delta R.T.: -0.028 min
Response: 444986633
Conc: 22.84 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



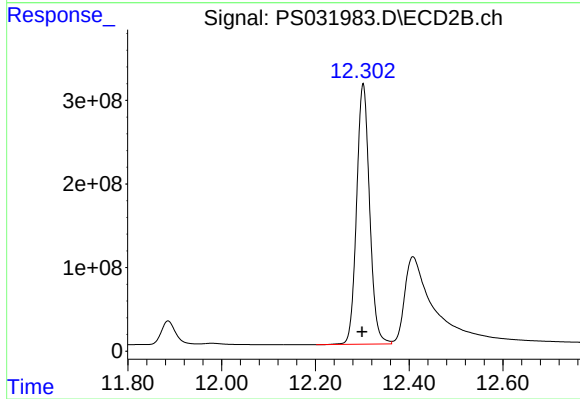
#15 Picloram

R.T.: 12.408 min
Delta R.T.: 0.025 min
Response: 4797180415
Conc: 170.13 ng/ml



#16 DCPA

R.T.: 11.644 min
Delta R.T.: 0.001 min
Response: 6787272928
Conc: 226.54 ng/ml



#16 DCPA

R.T.: 12.302 min
Delta R.T.: 0.002 min
Response: 5987056401
Conc: 212.68 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101025\
 Data File : PS031987.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 20:13
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 04:09:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101025.M
 Quant Title : 8080.M
 QLast Update : Sat Oct 11 03:59:35 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	7.738	5324.9E6	1392.9E6	1369.585	1415.166
Target Compounds							
1) T	Dalapon	2.666	2.688	8238.8E6	4035.9E6	1263.557	1222.861
2) T	3,5-DICHL...	6.447	6.691	7188.3E6	2103.0E6	1266.738	1306.068
3) T	4-Nitroph...	7.090	7.286	1542.5E6	647.5E6	1507.296	499.003 #
5) T	DICAMBA	7.463	7.935	22391.3E6	9772.2E6	1300.063	1345.563
6) T	MCPD	7.645	8.037	1411.1E6	310.6E6	147.471	133.551
7) T	MCPA	7.794	8.286	1802.3E6	464.4E6	150.312	141.619
8) T	DICHLORPROP	8.169	8.654	4937.9E6	2143.4E6	1293.849	1367.031
9) T	2,4-D	8.405	8.994	4752.8E6	2360.5E6	1338.802	1357.289
10) T	Pentachlo...	8.710	9.510	57405.6E6	51049.0E6	939.618	1094.166
11) T	2,4,5-TP ...	9.277	9.887	29591.4E6	22074.8E6	1282.814	1297.251
12) T	2,4,5-T	9.573	10.315	27124.3E6	20044.0E6	1350.255	1362.684
13) T	2,4-DB	10.148	10.883	3170.5E6	1477.0E6	1619.024	1424.482
14) T	DINOSEB	11.343	11.259	22864.9E6	16917.6E6	1305.388	1343.426
15) T	Picloram	11.171	12.376	29159.8E6	39200.2E6	1496.634	1390.181
16) T	DCPA	11.643	12.300	38063.2E6	36391.3E6	1270.418	1292.730

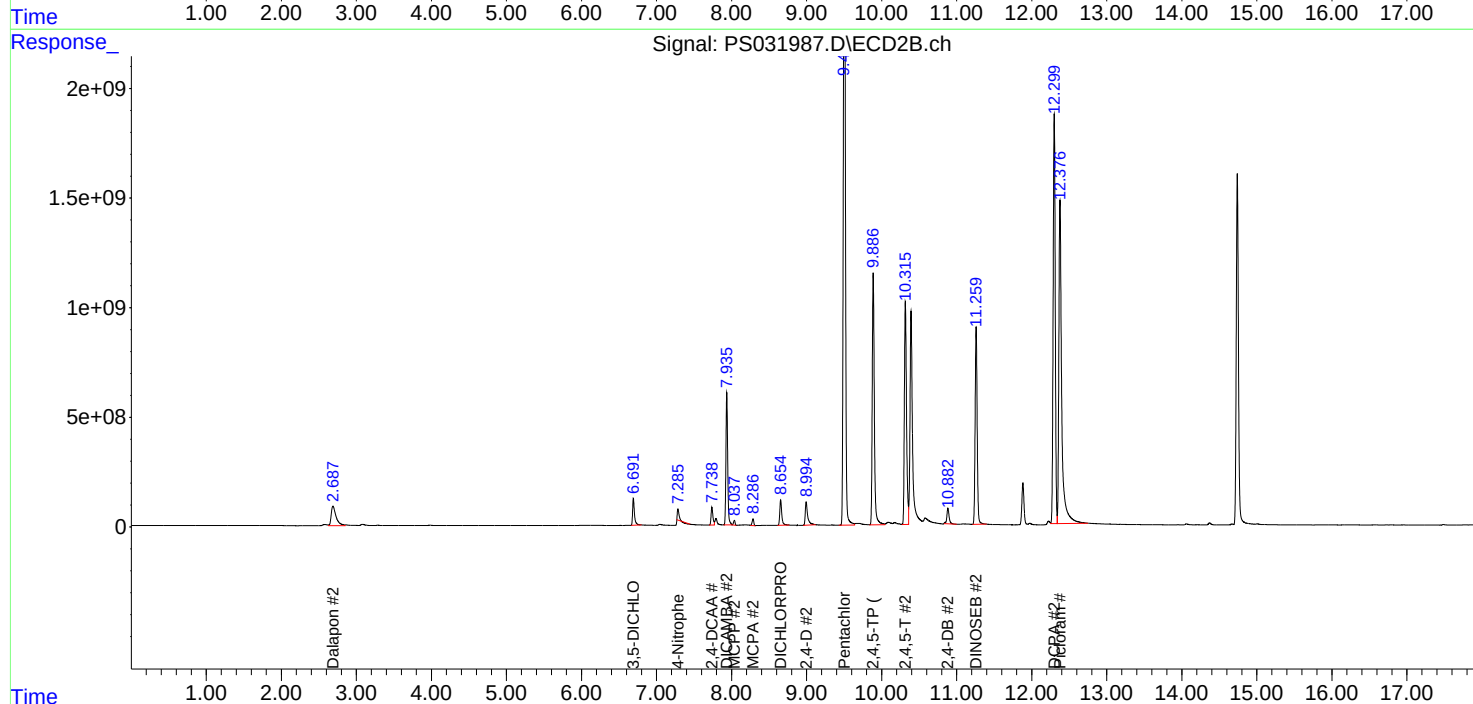
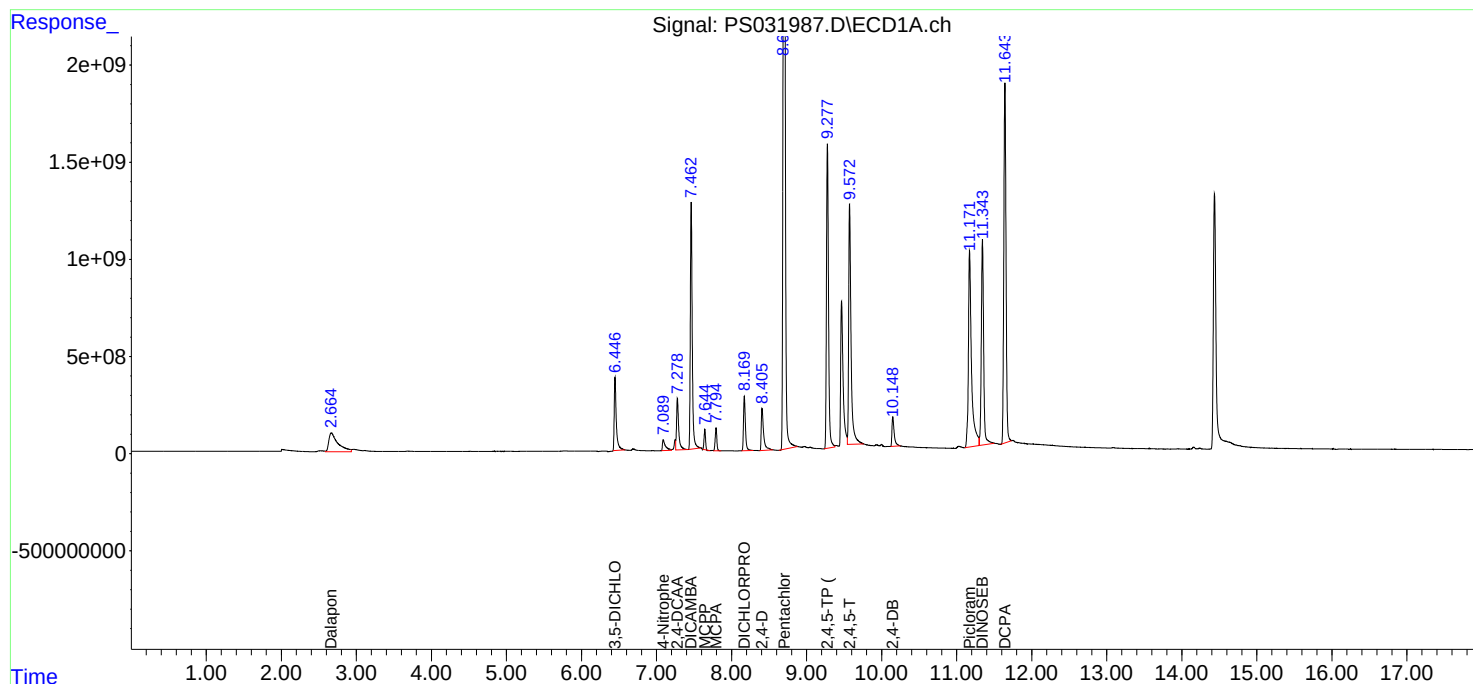
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

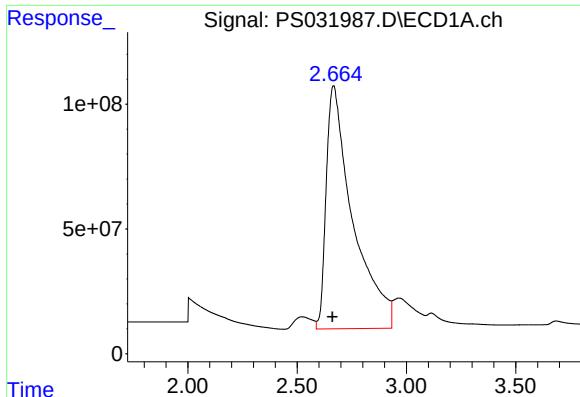
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101025\
Data File : PS031987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 20:13
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 04:09:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101025.M
Quant Title : 8080.M
QLast Update : Sat Oct 11 03:59:35 2025
Response via : Initial Calibration
Integrator: ChemStation

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

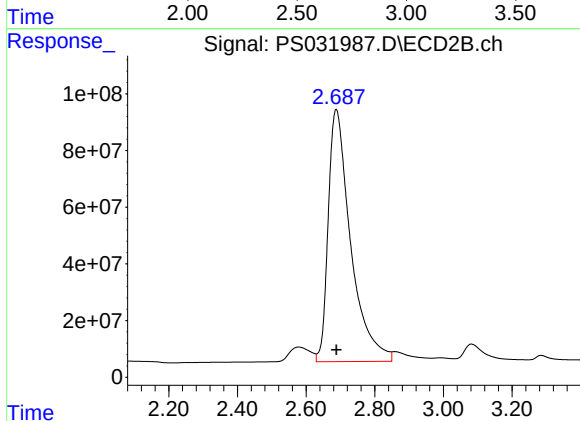




#1 Dalapon

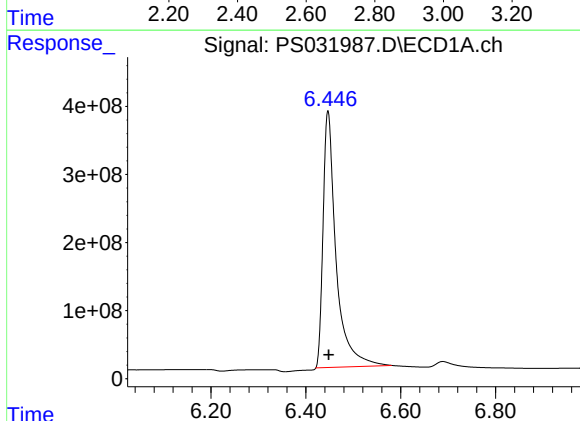
R.T.: 2.666 min
Delta R.T.: 0.005 min
Response: 8238774241
Conc: 1263.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



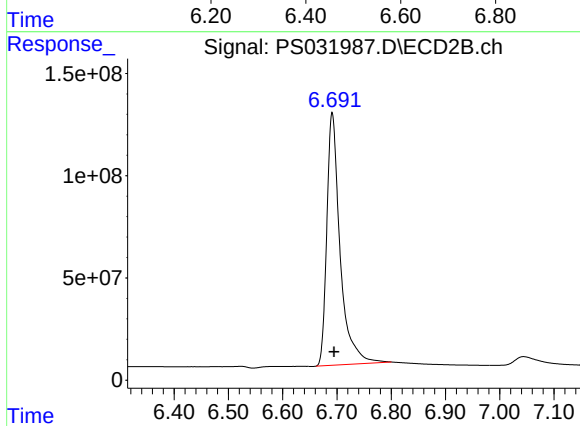
#1 Dalapon

R.T.: 2.688 min
Delta R.T.: 0.000 min
Response: 4035912181
Conc: 1222.86 ng/ml



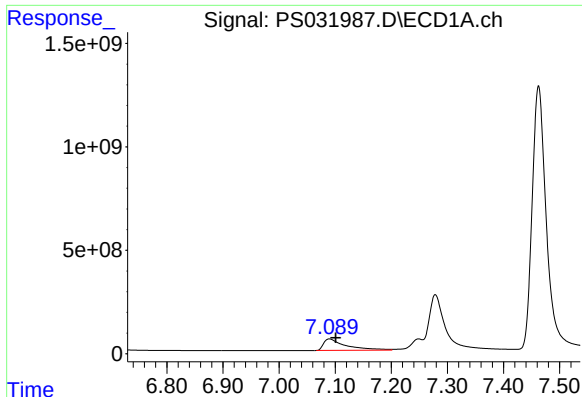
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.447 min
Delta R.T.: -0.001 min
Response: 7188266661
Conc: 1266.74 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

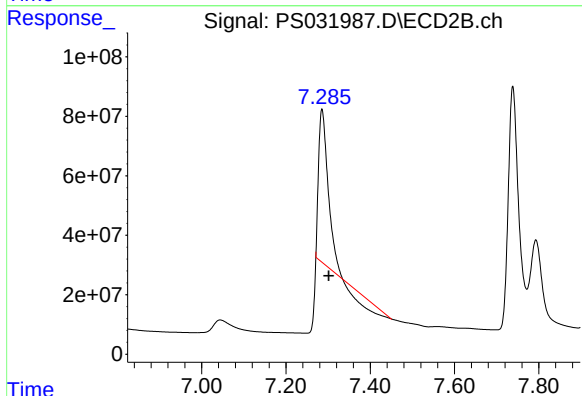
R.T.: 6.691 min
Delta R.T.: -0.004 min
Response: 2103047150
Conc: 1306.07 ng/ml



#3 4-Nitrophenol

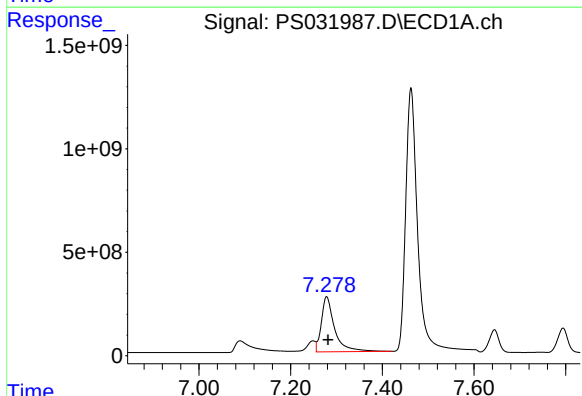
R.T.: 7.090 min
Delta R.T.: -0.011 min
Response: 1542539992
Conc: 1507.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



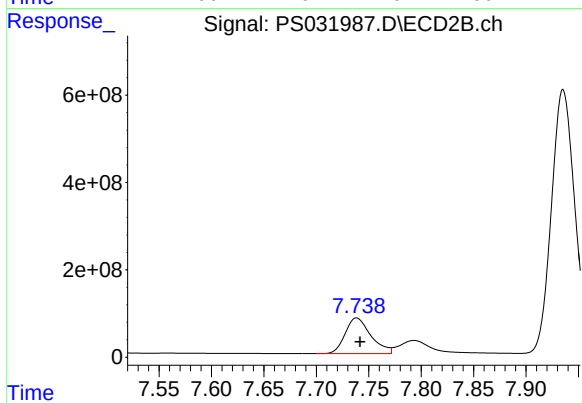
#3 4-Nitrophenol

R.T.: 7.286 min
Delta R.T.: -0.016 min
Response: 647456549
Conc: 499.00 ng/ml



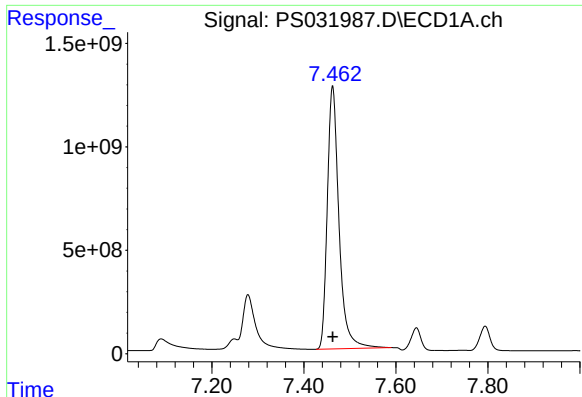
#4 2,4-DCAA

R.T.: 7.278 min
Delta R.T.: -0.003 min
Response: 5324881807
Conc: 1369.59 ng/ml



#4 2,4-DCAA

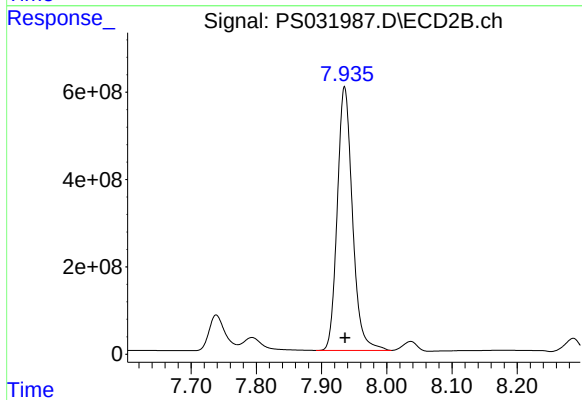
R.T.: 7.738 min
Delta R.T.: -0.003 min
Response: 1392914711
Conc: 1415.17 ng/ml



#5 DICAMBA

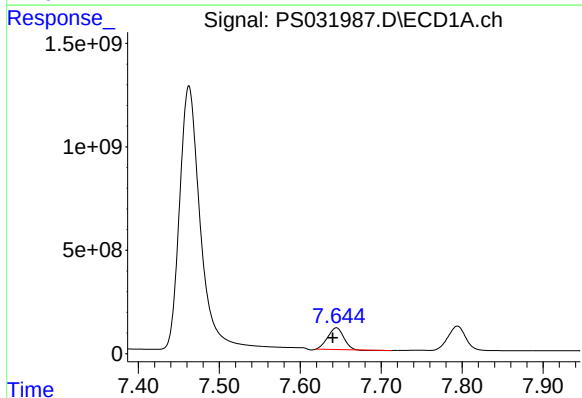
R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 22391300700
Conc: 1300.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



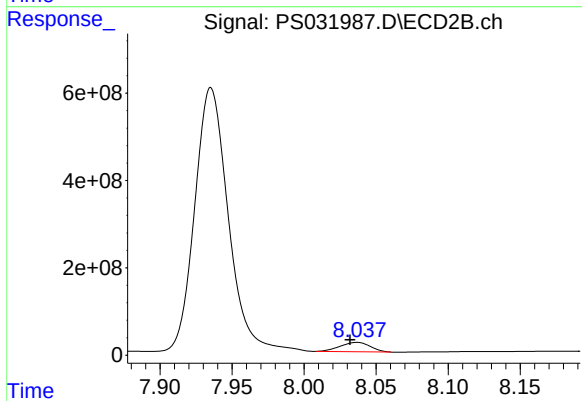
#5 DICAMBA

R.T.: 7.935 min
Delta R.T.: 0.000 min
Response: 9772234952
Conc: 1345.56 ng/ml



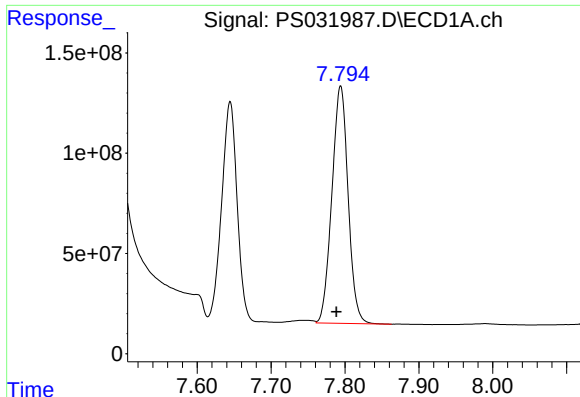
#6 MCP

R.T.: 7.645 min
Delta R.T.: 0.005 min
Response: 1411067318
Conc: 147.47 ug/ml



#6 MCP

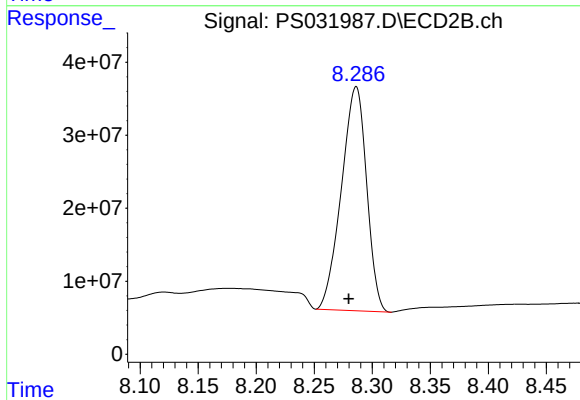
R.T.: 8.037 min
Delta R.T.: 0.005 min
Response: 310648416
Conc: 133.55 ug/ml



#7 MCPA

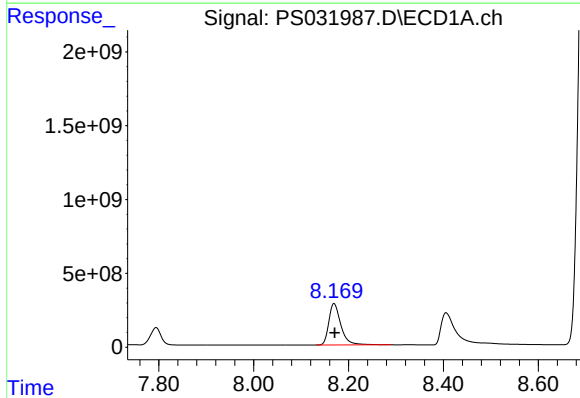
R.T.: 7.794 min
Delta R.T.: 0.006 min
Response: 1802257531
Conc: 150.31 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



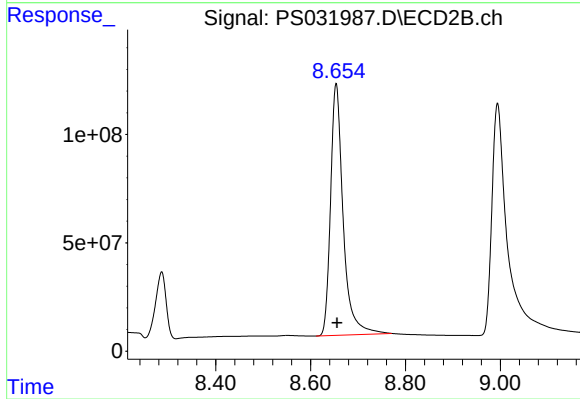
#7 MCPA

R.T.: 8.286 min
Delta R.T.: 0.006 min
Response: 464388350
Conc: 141.62 ug/ml



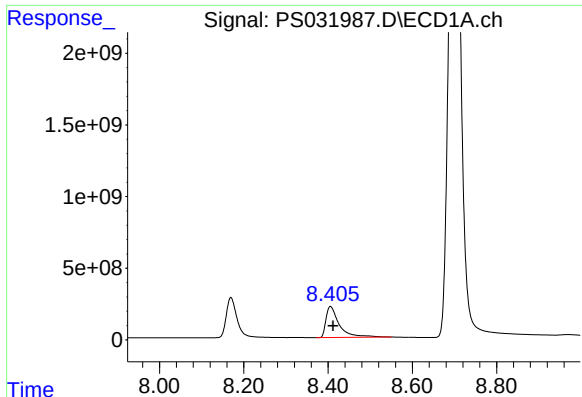
#8 DICHLORPROP

R.T.: 8.169 min
Delta R.T.: -0.002 min
Response: 4937878789
Conc: 1293.85 ng/ml



#8 DICHLORPROP

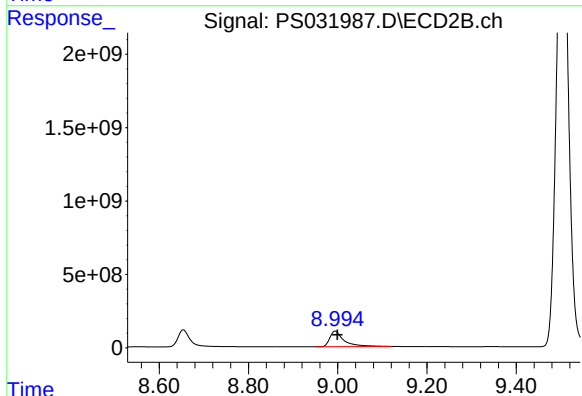
R.T.: 8.654 min
Delta R.T.: -0.002 min
Response: 2143363211
Conc: 1367.03 ng/ml



#9 2,4-D

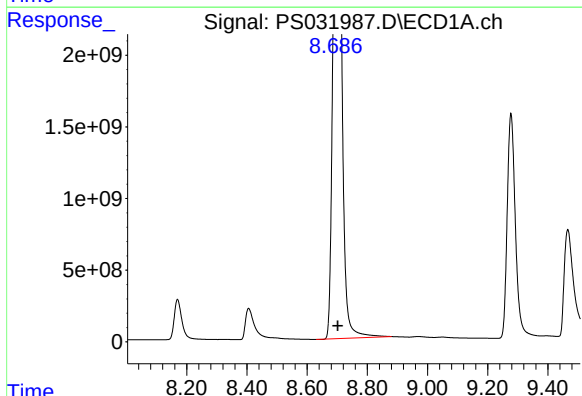
R.T.: 8.405 min
Delta R.T.: -0.006 min
Response: 4752818523
Conc: 1338.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



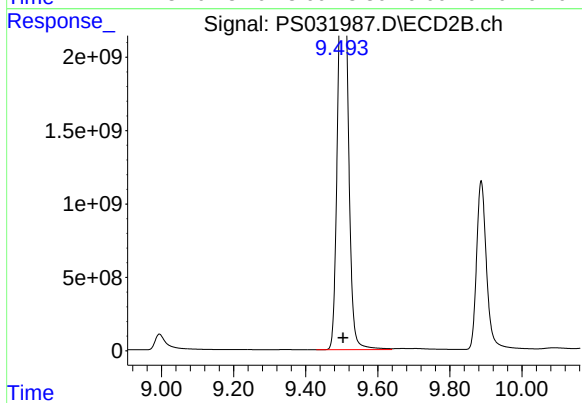
#9 2,4-D

R.T.: 8.994 min
Delta R.T.: -0.006 min
Response: 2360548925
Conc: 1357.29 ng/ml



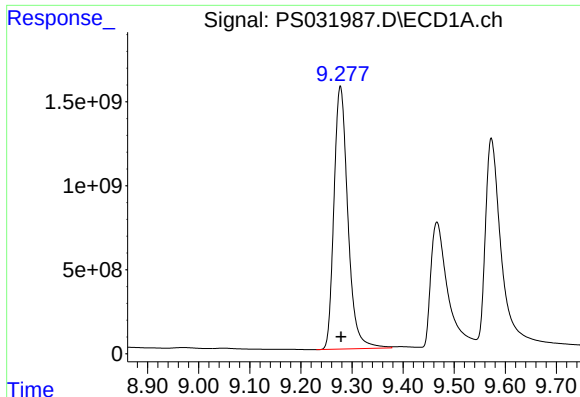
#10 Pentachlorophenol

R.T.: 8.710 min
Delta R.T.: 0.008 min
Response: 57405586420
Conc: 939.62 ng/ml



#10 Pentachlorophenol

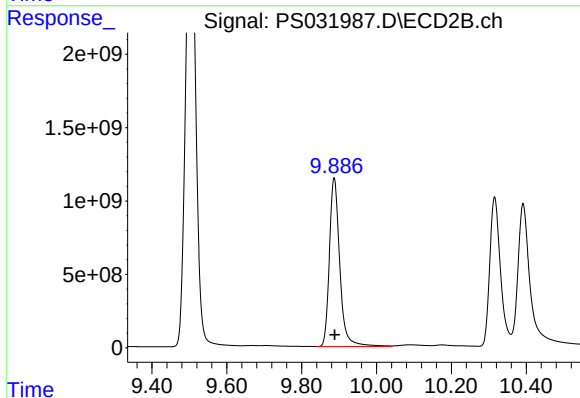
R.T.: 9.510 min
Delta R.T.: 0.007 min
Response: 51048972540
Conc: 1094.17 ng/ml



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

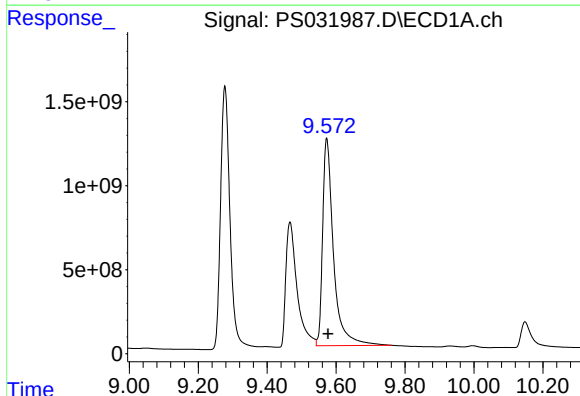
R.T.: 9.277 min
Delta R.T.: 0.000 min
Response: 29591436474
Conc: 1282.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



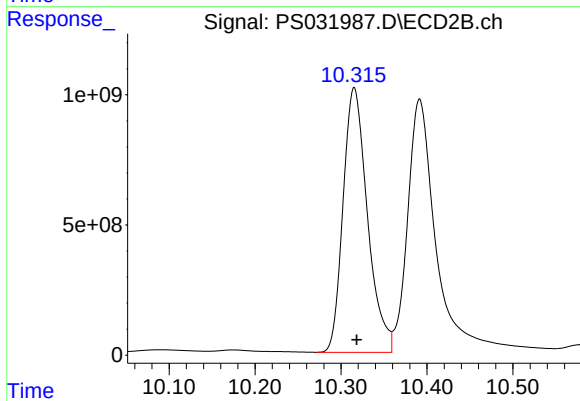
#11 2,4,5-TP (SILVEX)

R.T.: 9.887 min
Delta R.T.: -0.002 min
Response: 22074783540
Conc: 1297.25 ng/ml



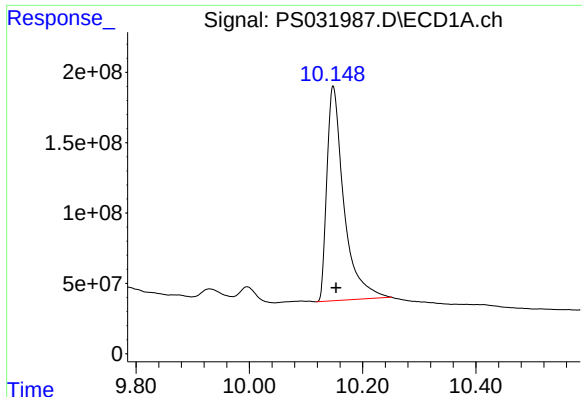
#12 2,4,5-T

R.T.: 9.573 min
Delta R.T.: -0.004 min
Response: 27124297520
Conc: 1350.25 ng/ml



#12 2,4,5-T

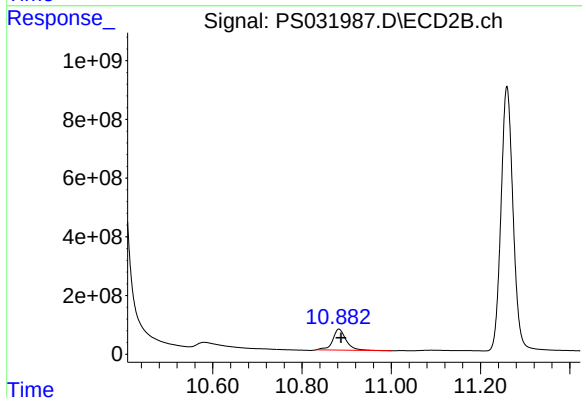
R.T.: 10.315 min
Delta R.T.: -0.003 min
Response: 20044035209
Conc: 1362.68 ng/ml



#13 2,4-DB

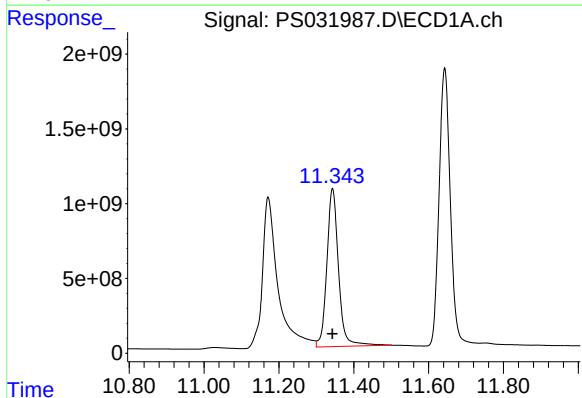
R.T.: 10.148 min
Delta R.T.: -0.005 min
Response: 3170504039
Conc: 1619.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



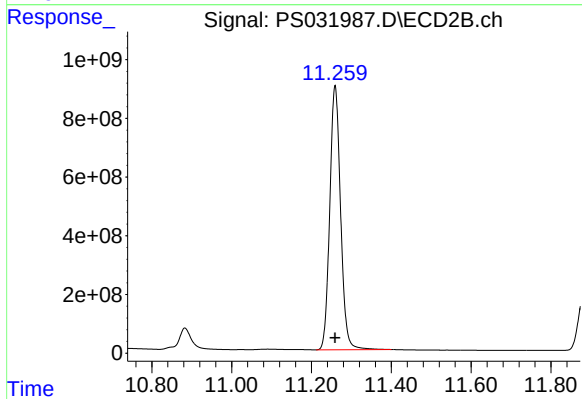
#13 2,4-DB

R.T.: 10.883 min
Delta R.T.: -0.005 min
Response: 1476990330
Conc: 1424.48 ng/ml



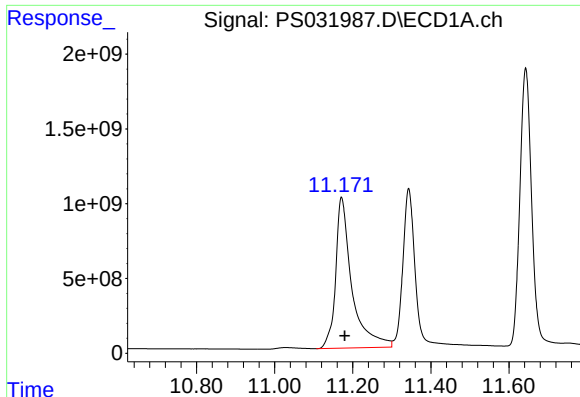
#14 DINOSEB

R.T.: 11.343 min
Delta R.T.: 0.000 min
Response: 22864866773
Conc: 1305.39 ng/ml



#14 DINOSEB

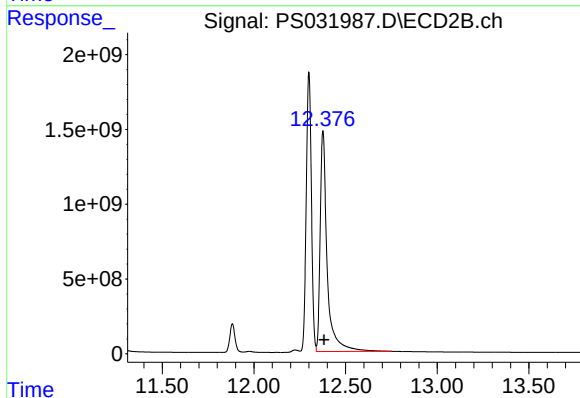
R.T.: 11.259 min
Delta R.T.: 0.000 min
Response: 16917590629
Conc: 1343.43 ng/ml



#15 Picloram

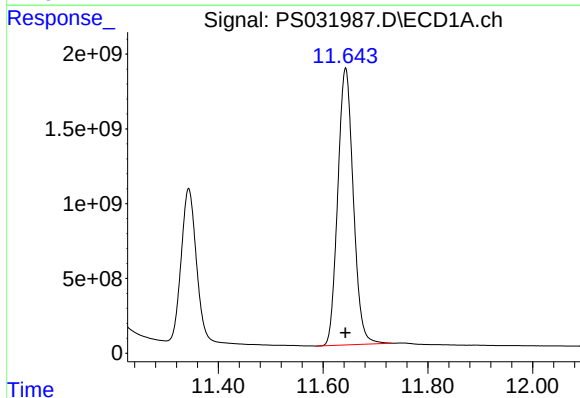
R.T.: 11.171 min
Delta R.T.: -0.008 min
Response: 29159778799
Conc: 1496.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



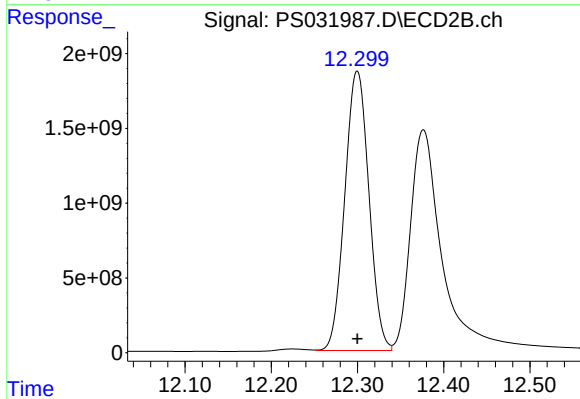
#15 Picloram

R.T.: 12.376 min
Delta R.T.: -0.007 min
Response: 39200191048
Conc: 1390.18 ng/ml



#16 DCPA

R.T.: 11.643 min
Delta R.T.: 0.000 min
Response: 38063177152
Conc: 1270.42 ng/ml



#16 DCPA

R.T.: 12.300 min
Delta R.T.: 0.000 min
Response: 36391345836
Conc: 1292.73 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
 Data File : PS032134.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 10:55
 Operator : AR\AJ
 Sample : PB170220BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB170220BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 04:37:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.283	7.747	2408.6E6	555.2E6	505.260	504.603
Target Compounds							
1) T	Dalapon	2.662	2.688	3387.4E6	1726.6E6	438.355	459.402
2) T	3,5-DICHL...	6.449	6.701	3325.1E6	969.3E6	472.385	464.719
3) T	4-Nitroph...	7.107	7.318f	522.4E6	631.9E6	391.424	416.420
5) T	DICAMBA	7.463	7.940	10324.4E6	4032.3E6	492.989	465.576
6) T	MCPD	7.639	8.034	528.3E6	106.2E6	43.200	42.779
7) T	MCPA	7.788	8.281	652.6E6	169.1E6	44.343	44.834
8) T	DICHLORPROP	8.172	8.660	2204.3E6	918.3E6	463.668	468.920
9) T	2,4-D	8.415	9.008	2323.1E6	941.2E6	478.402	452.878
10) T	Pentachlo...	8.700	9.508	37287.0E6	26534.4E6	555.531	512.011
11) T	2,4,5-TP ...	9.278	9.894	13463.9E6	9588.6E6	476.733	477.642
12) T	2,4,5-T	9.580	10.326	12176.3E6	8080.6E6	482.337	471.318
13) T	2,4-DB	10.157	10.896	1467.7E6	565.2E6	473.410	437.457
14) T	DINOSEB	11.343	11.264	10292.4E6	6995.0E6	461.525	460.106
15) T	Picloram	11.189	12.397	8728.2E6	13377.4E6	370.186	401.821
16) T	DCPA	11.642	12.305	17728.7E6	15971.7E6	482.542	480.907

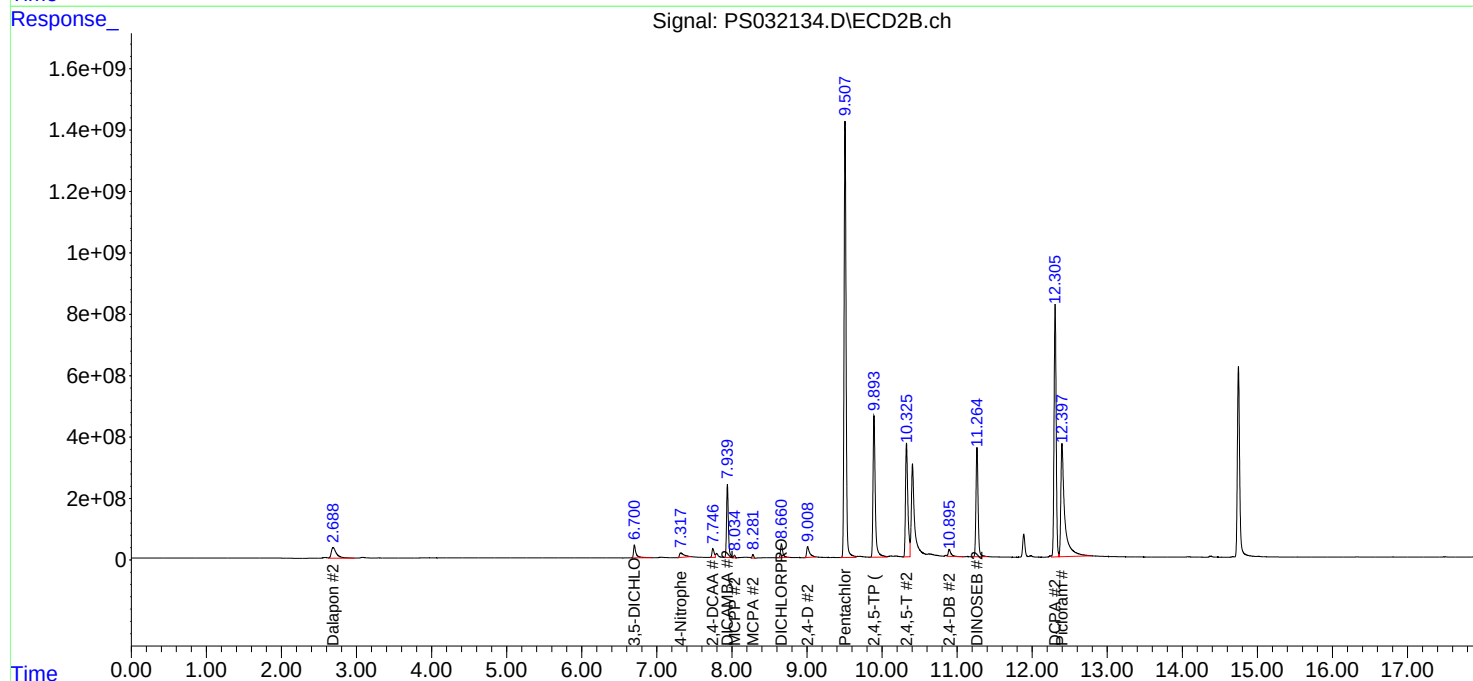
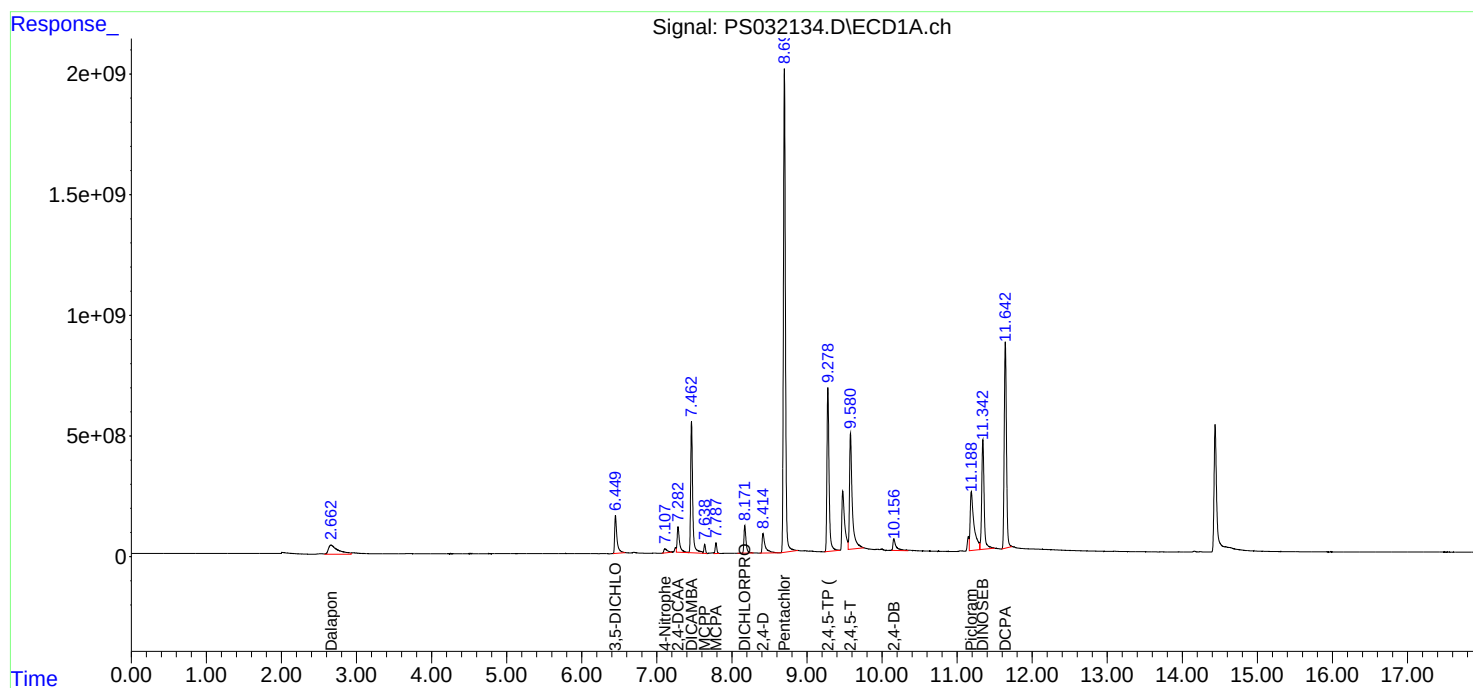
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

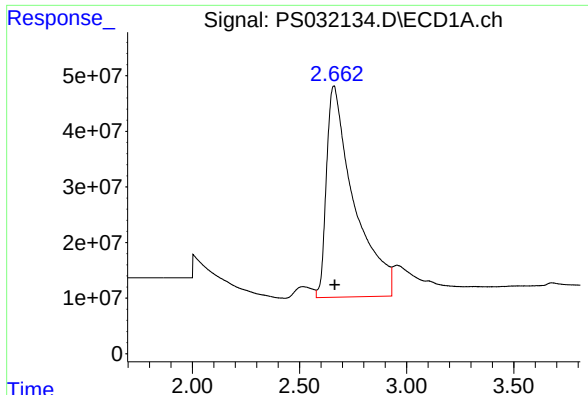
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 10:55
Operator : AR\AJ
Sample : PB170220BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170220BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:37:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

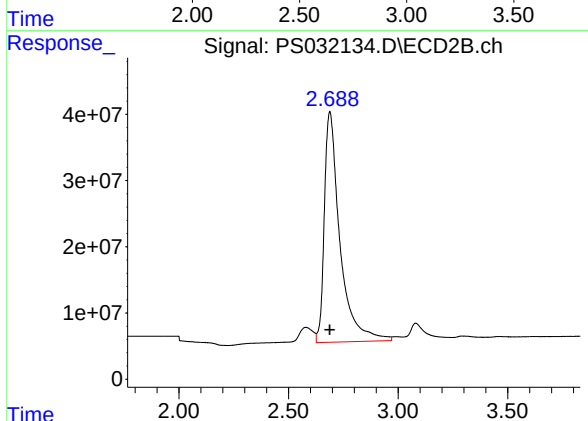




#1 Dalapon

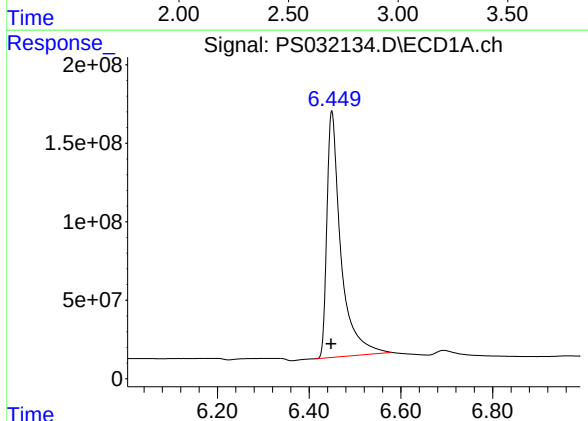
R.T.: 2.662 min
Delta R.T.: -0.003 min
Response: 3387399789
Conc: 438.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BS



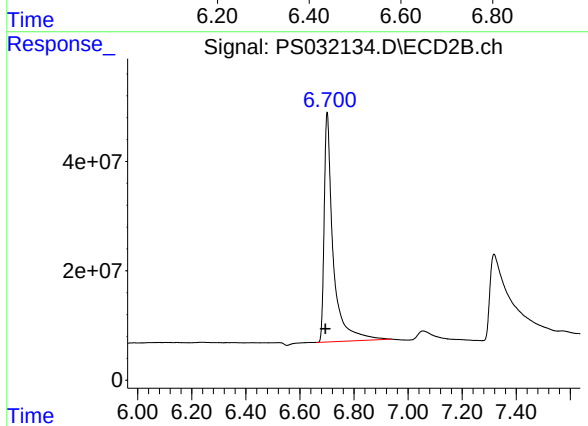
#1 Dalapon

R.T.: 2.688 min
Delta R.T.: 0.000 min
Response: 1726555417
Conc: 459.40 ng/ml



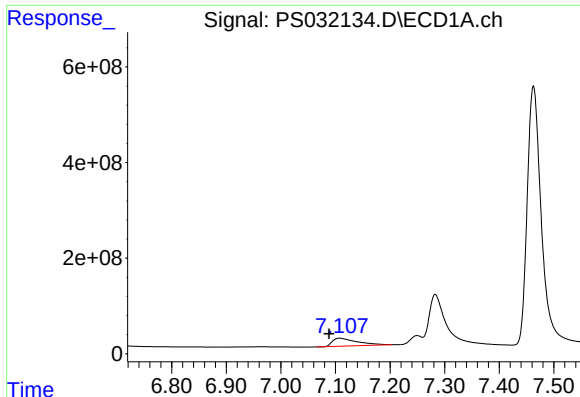
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.449 min
Delta R.T.: 0.002 min
Response: 3325052630
Conc: 472.38 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

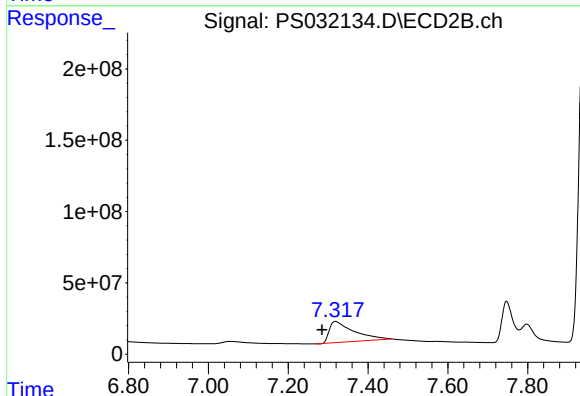
R.T.: 6.701 min
Delta R.T.: 0.007 min
Response: 969349593
Conc: 464.72 ng/ml



#3 4-Nitrophenol

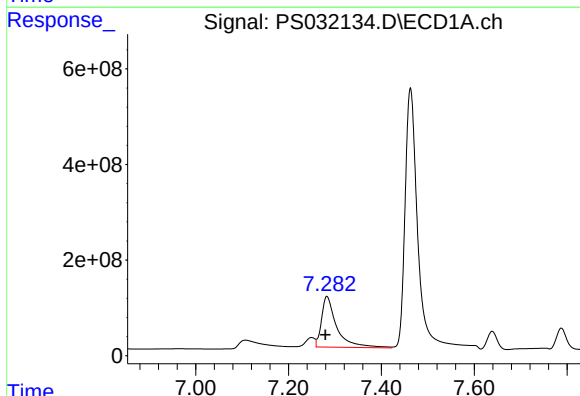
R.T.: 7.107 min
Delta R.T.: 0.019 min
Response: 522427479
Conc: 391.42 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BS



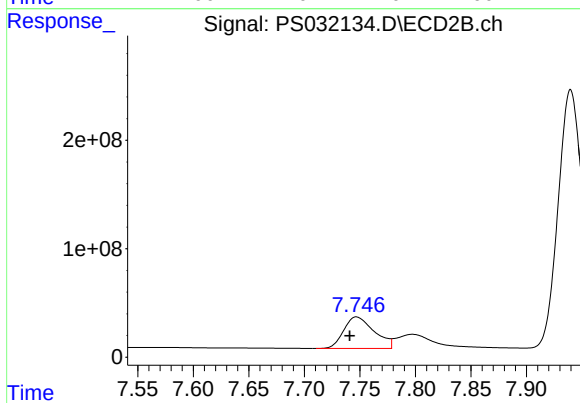
#3 4-Nitrophenol

R.T.: 7.318 min
Delta R.T.: 0.033 min
Response: 631880276
Conc: 416.42 ng/ml



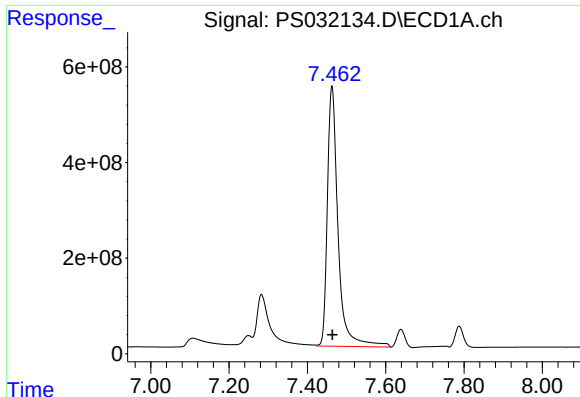
#4 2,4-DCAA

R.T.: 7.283 min
Delta R.T.: 0.003 min
Response: 2408590506
Conc: 505.26 ng/ml



#4 2,4-DCAA

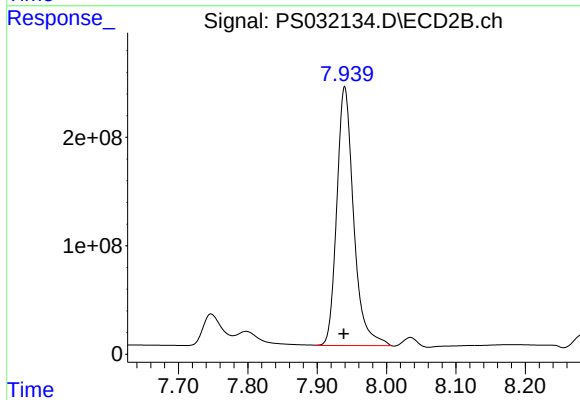
R.T.: 7.747 min
Delta R.T.: 0.006 min
Response: 555234639
Conc: 504.60 ng/ml



#5 DICAMBA

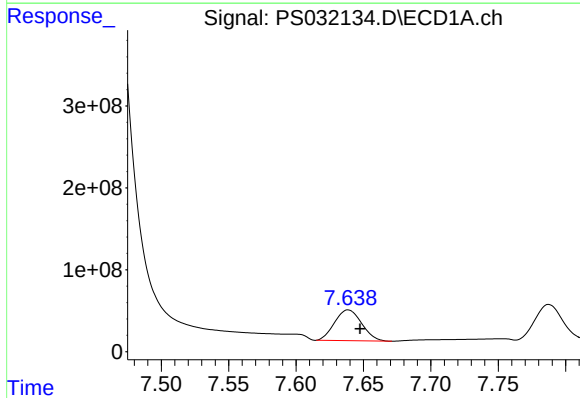
R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 10324360637
Conc: 492.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BS



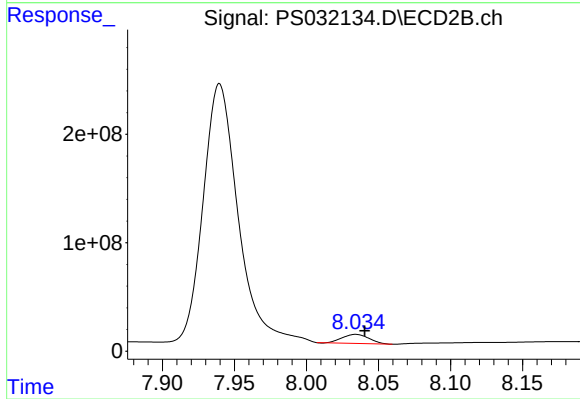
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: 0.001 min
Response: 4032297722
Conc: 465.58 ng/ml



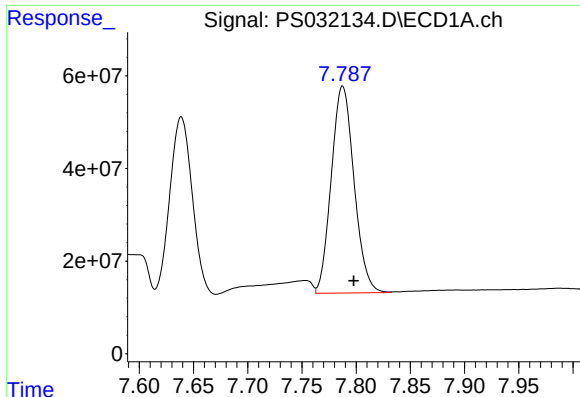
#6 MCP

R.T.: 7.639 min
Delta R.T.: -0.009 min
Response: 528275824
Conc: 43.20 ug/ml



#6 MCP

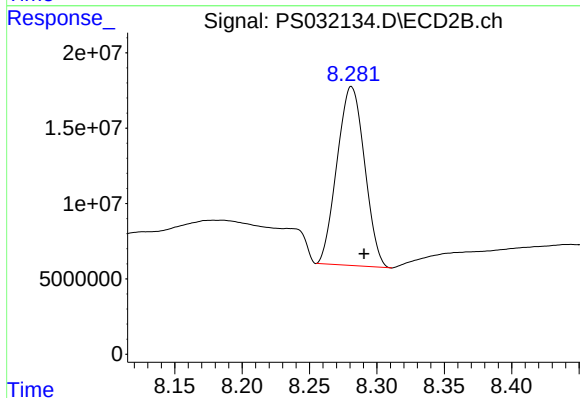
R.T.: 8.034 min
Delta R.T.: -0.006 min
Response: 106189242
Conc: 42.78 ug/ml



#7 MCPA

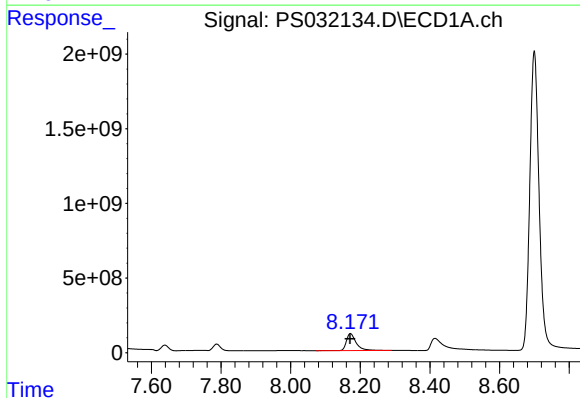
R.T.: 7.788 min
Delta R.T.: -0.010 min
Response: 652563091
Conc: 44.34 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BS



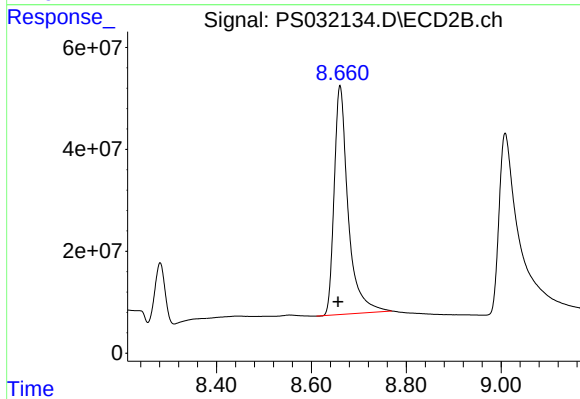
#7 MCPA

R.T.: 8.281 min
Delta R.T.: -0.009 min
Response: 169130041
Conc: 44.83 ug/ml



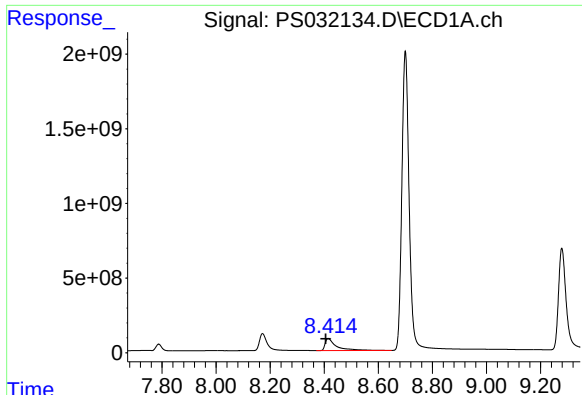
#8 DICHLORPROP

R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 2204346448
Conc: 463.67 ng/ml



#8 DICHLORPROP

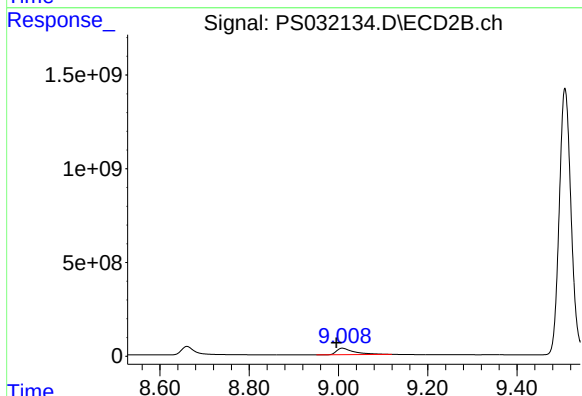
R.T.: 8.660 min
Delta R.T.: 0.004 min
Response: 918268191
Conc: 468.92 ng/ml



#9 2,4-D

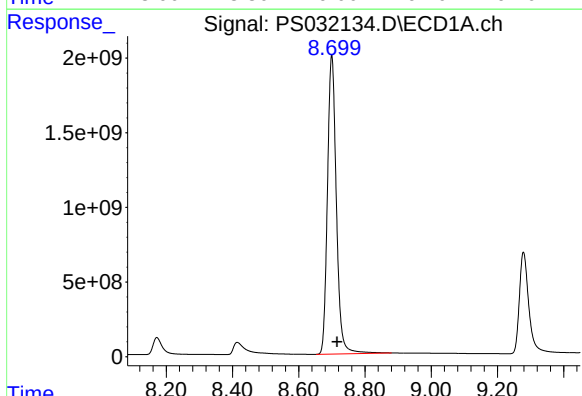
R.T.: 8.415 min
Delta R.T.: 0.008 min
Response: 2323059318
Conc: 478.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BS



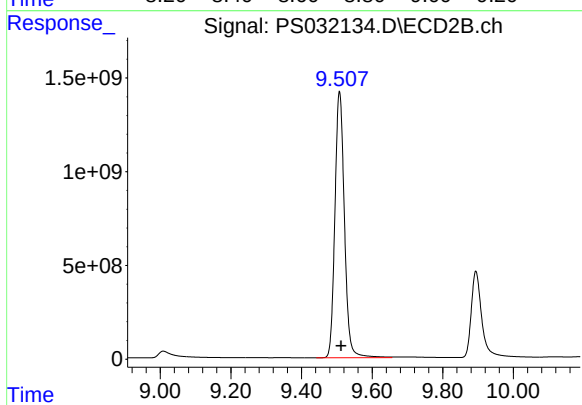
#9 2,4-D

R.T.: 9.008 min
Delta R.T.: 0.013 min
Response: 941216268
Conc: 452.88 ng/ml



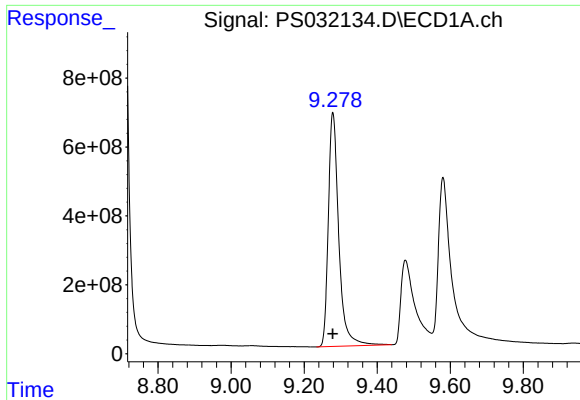
#10 Pentachlorophenol

R.T.: 8.700 min
Delta R.T.: -0.016 min
Response: 37286975309
Conc: 555.53 ng/ml



#10 Pentachlorophenol

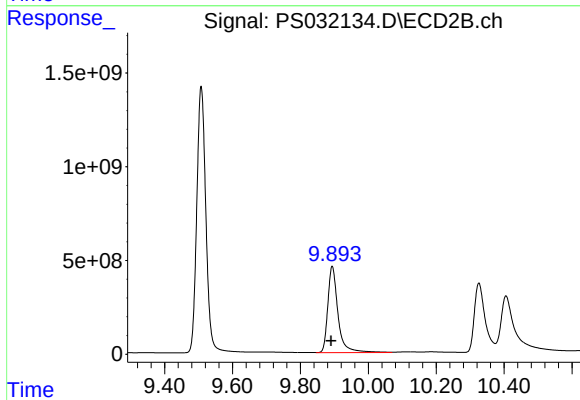
R.T.: 9.508 min
Delta R.T.: -0.005 min
Response: 26534385150
Conc: 512.01 ng/ml



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

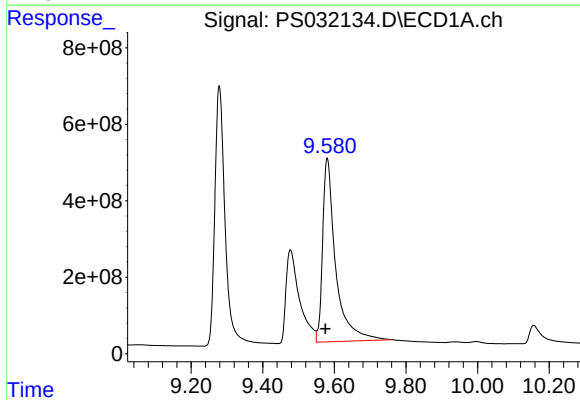
R.T.: 9.278 min
Delta R.T.: 0.000 min
Response: 13463915290
Conc: 476.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BS



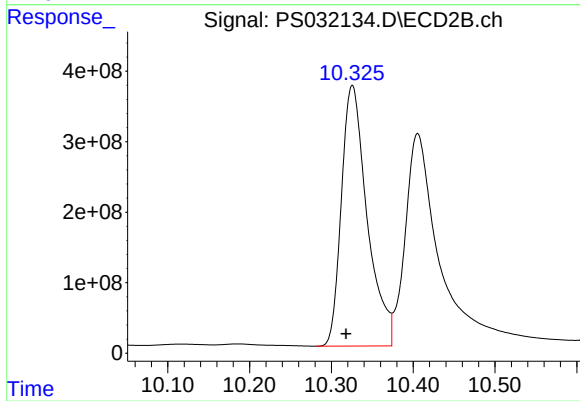
#11 2,4,5-TP (SILVEX)

R.T.: 9.894 min
Delta R.T.: 0.003 min
Response: 9588604773
Conc: 477.64 ng/ml



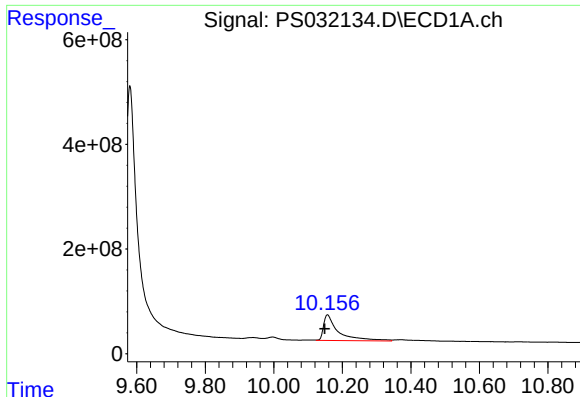
#12 2,4,5-T

R.T.: 9.580 min
Delta R.T.: 0.006 min
Response: 12176253635
Conc: 482.34 ng/ml



#12 2,4,5-T

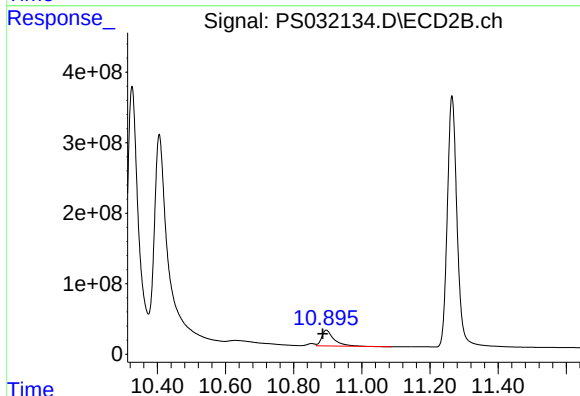
R.T.: 10.326 min
Delta R.T.: 0.008 min
Response: 8080601898
Conc: 471.32 ng/ml



#13 2,4-DB

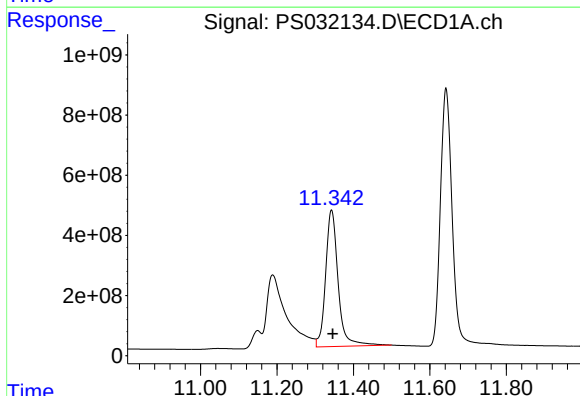
R.T.: 10.157 min
Delta R.T.: 0.008 min
Response: 1467722736
Conc: 473.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BS



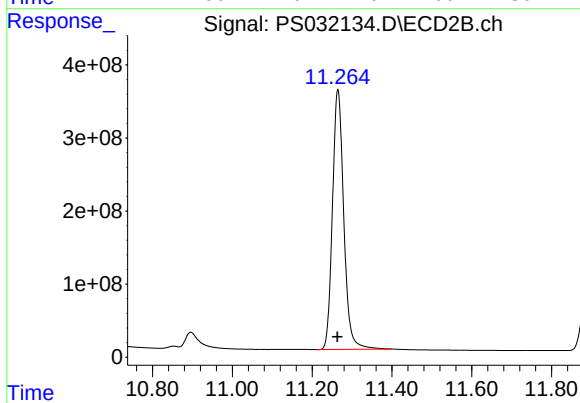
#13 2,4-DB

R.T.: 10.896 min
Delta R.T.: 0.010 min
Response: 565234233
Conc: 437.46 ng/ml



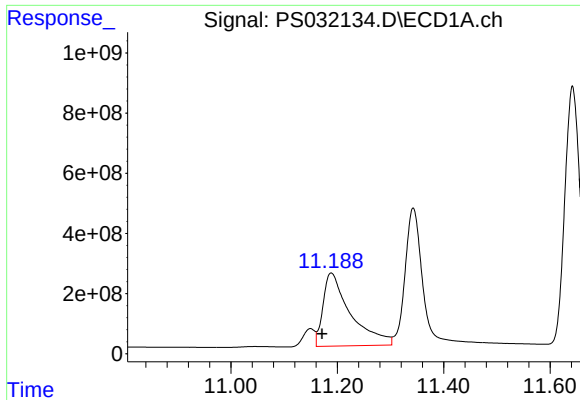
#14 DINOSEB

R.T.: 11.343 min
Delta R.T.: -0.003 min
Response: 10292397963
Conc: 461.52 ng/ml



#14 DINOSEB

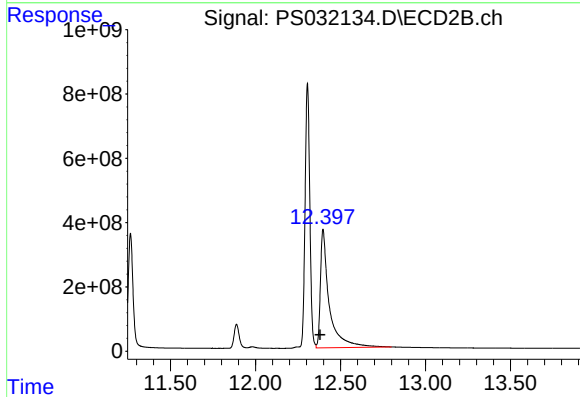
R.T.: 11.264 min
Delta R.T.: 0.002 min
Response: 6995032016
Conc: 460.11 ng/ml



#15 Picloram

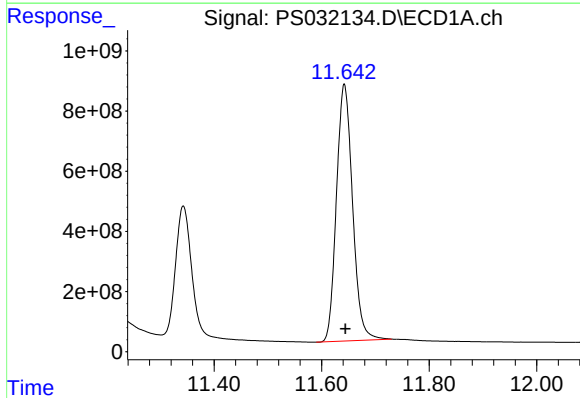
R.T.: 11.189 min
Delta R.T.: 0.017 min
Response: 8728190900
Conc: 370.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170220BS



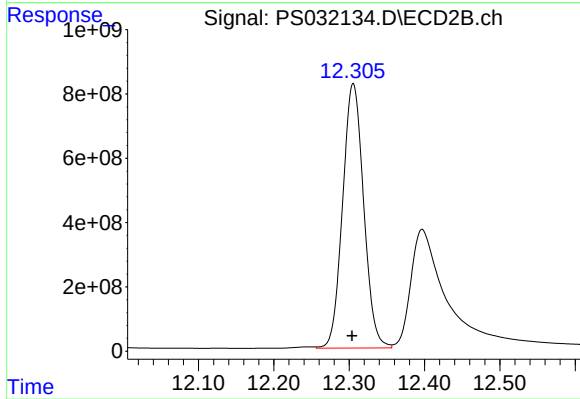
#15 Picloram

R.T.: 12.397 min
Delta R.T.: 0.018 min
Response: 13377434804
Conc: 401.82 ng/ml



#16 DCPA

R.T.: 11.642 min
Delta R.T.: -0.002 min
Response: 17728711180
Conc: 482.54 ng/ml



#16 DCPA

R.T.: 12.305 min
Delta R.T.: 0.001 min
Response: 15971705690
Conc: 480.91 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
 Data File : PS032136.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 11:44
 Operator : AR\AJ
 Sample : Q3399-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 COMP-ROLLOFF

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 17:31:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.279	7.744	1988.8E6	485.6E6	417.197	441.325
Target Compounds							
1) T	Dalapon	2.646	2.683	1285.1E6	1212.6E6	166.299	322.652 #
2) T	3,5-DICHL...	6.458	6.723f	94825853	20003058	13.472	9.590 #
3) T	4-Nitroph...	7.138f	7.309	124.6E6	281154	93.382	<MDL #
5) T	DICAMBA	7.484	7.917	19947647	39014755	<MDL	4.505 #
6) T	MCP	7.632	7.997f	1434567	8068685	<MDL	3.251 #
8) T	DICHLORPROP	8.176	8.662	9975608	10612709	2.098	5.419 #
9) T	2,4-D	8.394	9.008	1934000	6139384	<MDL	2.954 #
10) T	Pentachlo...	8.705	9.510	23072876	41524448	<MDL	<MDL #
11) T	2,4,5-TP ...	9.324f	9.878	957.1E6	1450.3E6	33.888	72.242 #
12) T	2,4,5-T	0.000	10.350f	0	71990609	N.D.	4.199
13) T	2,4-DB	10.180f	10.851f	84519055	45045807	27.261	34.863 #
14) T	DINOSEB	11.309f	11.278	631.9E6	1145.3E6	28.333	75.336 #
15) T	Picloram	11.149	0.000	9061977	0	<MDL	N.D. #

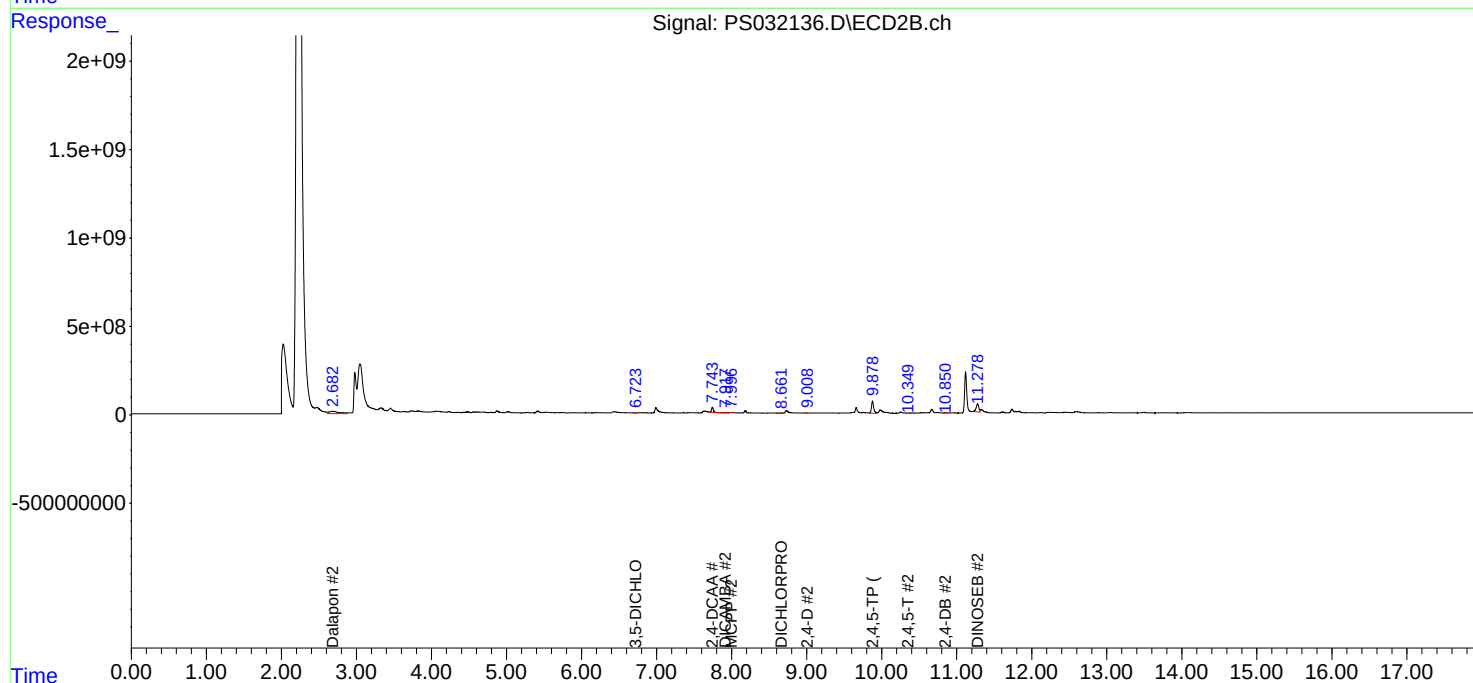
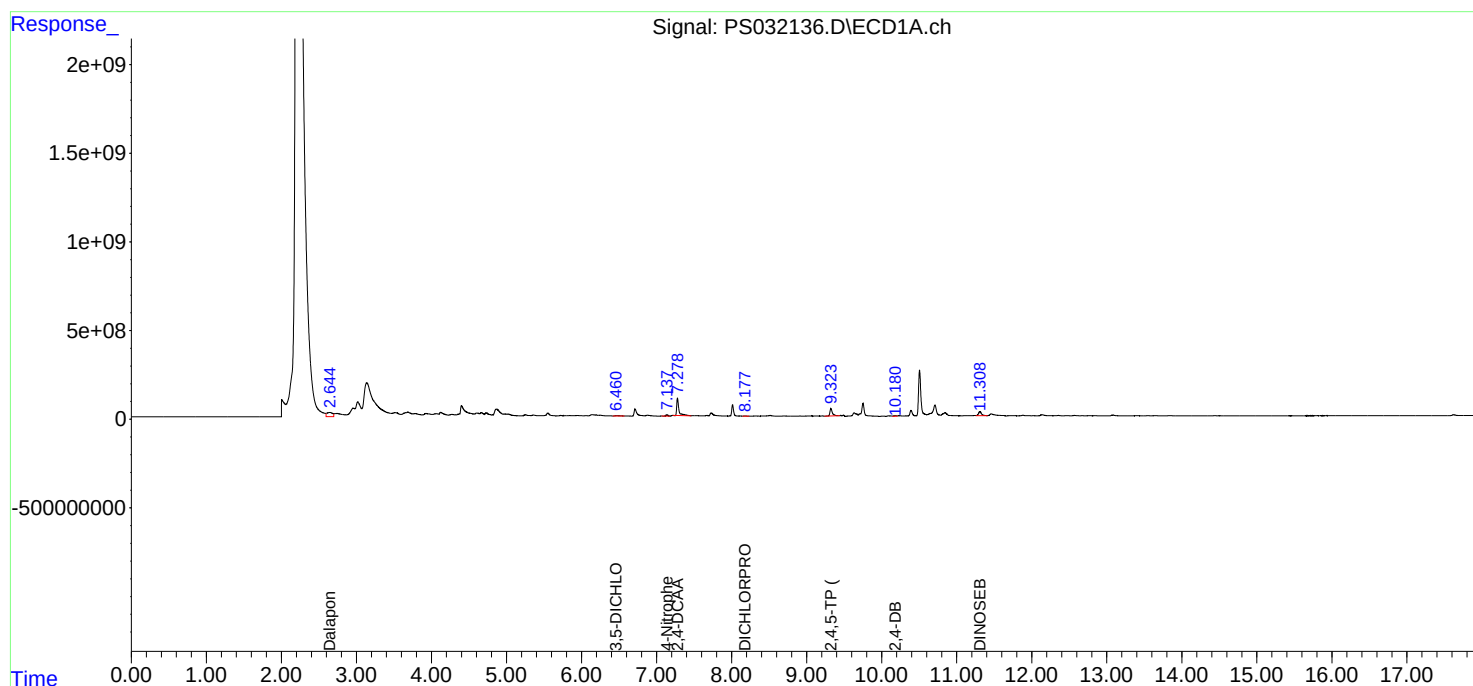
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

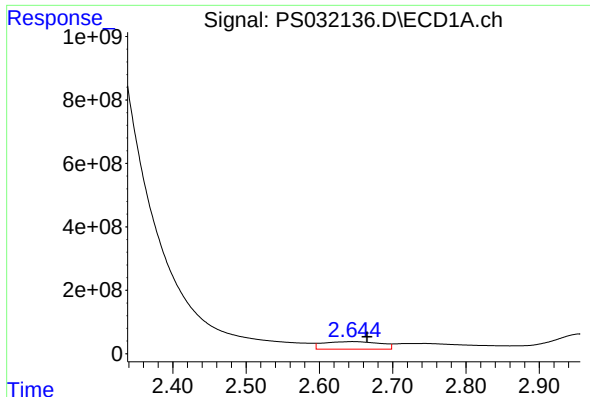
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 11:44
Operator : AR\AJ
Sample : Q3399-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFF

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 17:31:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

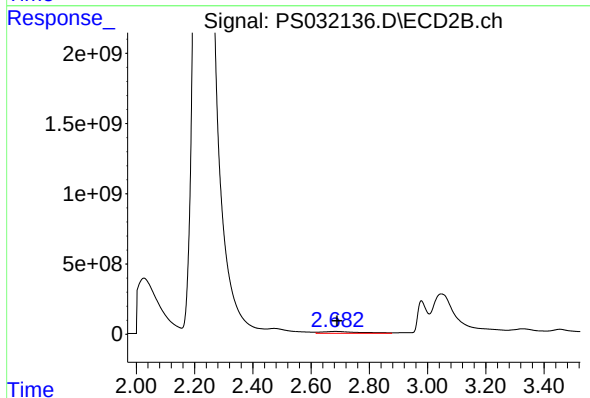




#1 Dalapon

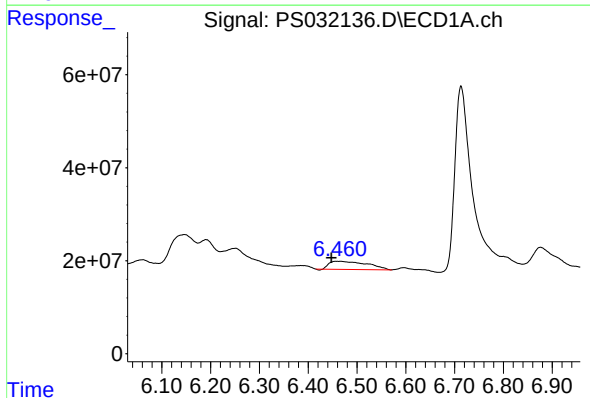
R.T.: 2.646 min
Delta R.T.: -0.019 min
Response: 1285082564
Conc: 166.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFF



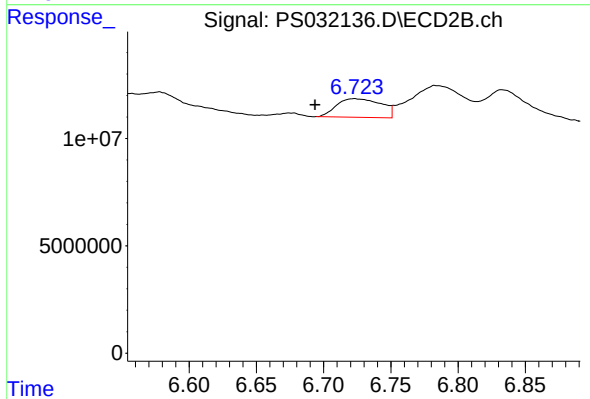
#1 Dalapon

R.T.: 2.683 min
Delta R.T.: -0.006 min
Response: 1212611816
Conc: 322.65 ng/ml



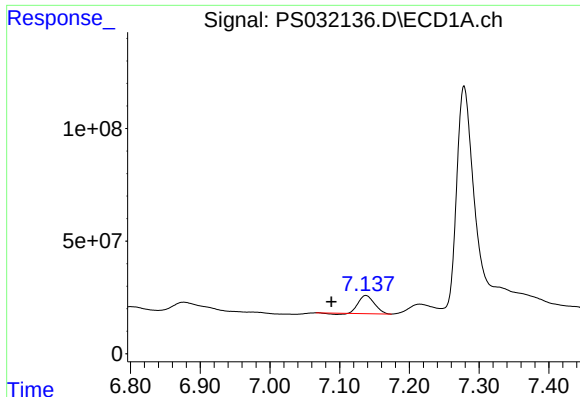
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.458 min
Delta R.T.: 0.010 min
Response: 94825853
Conc: 13.47 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

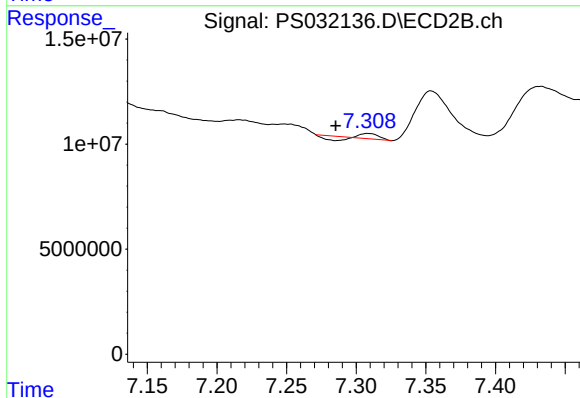
R.T.: 6.723 min
Delta R.T.: 0.029 min
Response: 20003058
Conc: 9.59 ng/ml



#3 4-Nitrophenol

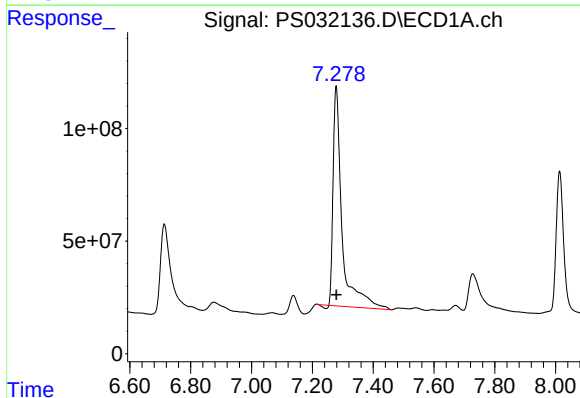
R.T.: 7.138 min
Delta R.T.: 0.049 min
Response: 124634860
Conc: 93.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFF



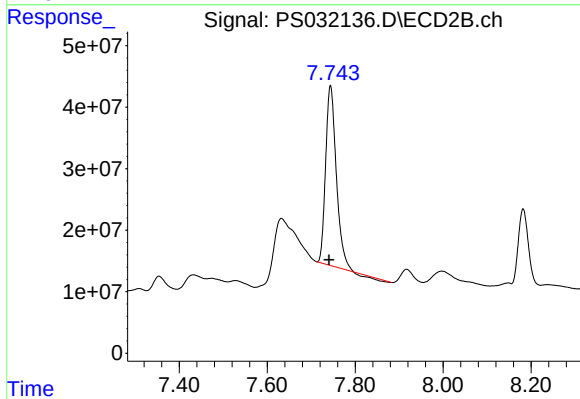
#3 4-Nitrophenol

R.T.: 7.309 min
Delta R.T.: 0.023 min
Response: 281154
Conc: N.D.



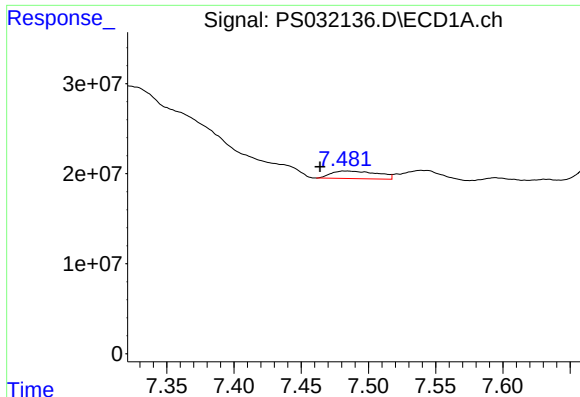
#4 2,4-DCAA

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 1988794602
Conc: 417.20 ng/ml



#4 2,4-DCAA

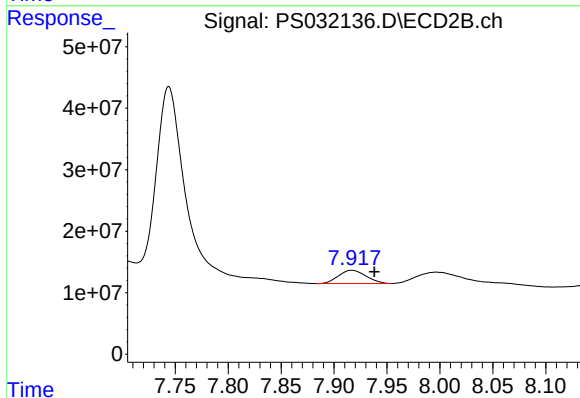
R.T.: 7.744 min
Delta R.T.: 0.003 min
Response: 485607345
Conc: 441.32 ng/ml



#5 DICAMBA

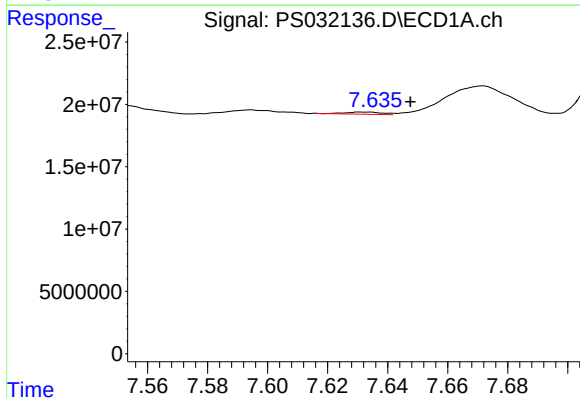
R.T.: 7.484 min
Delta R.T.: 0.020 min
Response: 19947647
Conc: N.D.

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFF



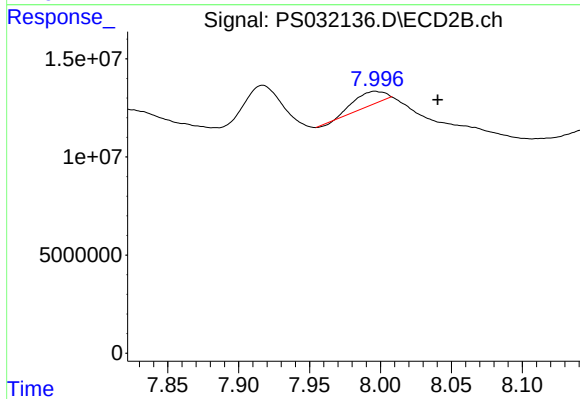
#5 DICAMBA

R.T.: 7.917 min
Delta R.T.: -0.021 min
Response: 39014755
Conc: 4.50 ng/ml



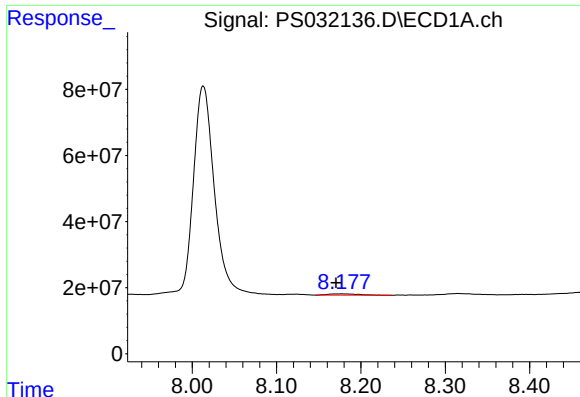
#6 MCP

R.T.: 7.632 min
Delta R.T.: -0.015 min
Response: 1434567
Conc: N.D.



#6 MCP

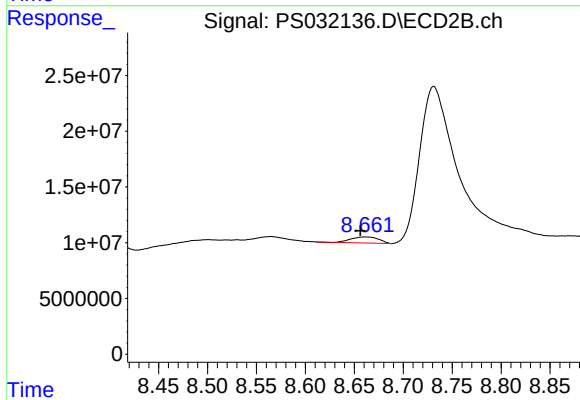
R.T.: 7.997 min
Delta R.T.: -0.044 min
Response: 8068685
Conc: 3.25 ug/ml



#8 DICHLORPROP

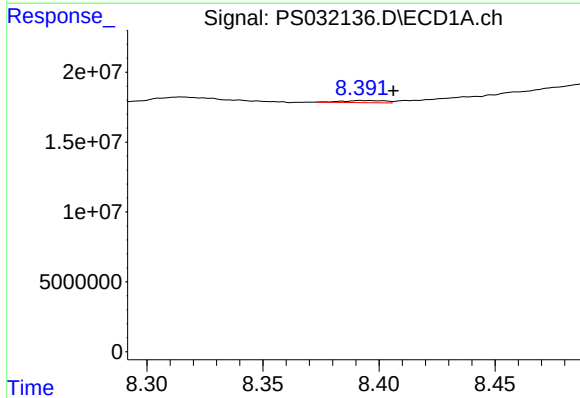
R.T.: 8.176 min
Delta R.T.: 0.005 min
Response: 9975608
Conc: 2.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFF



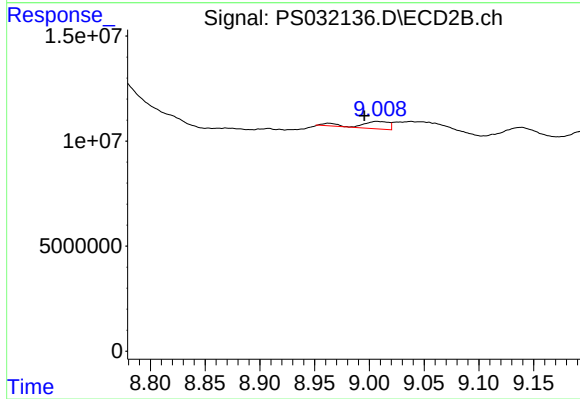
#8 DICHLORPROP

R.T.: 8.662 min
Delta R.T.: 0.006 min
Response: 10612709
Conc: 5.42 ng/ml



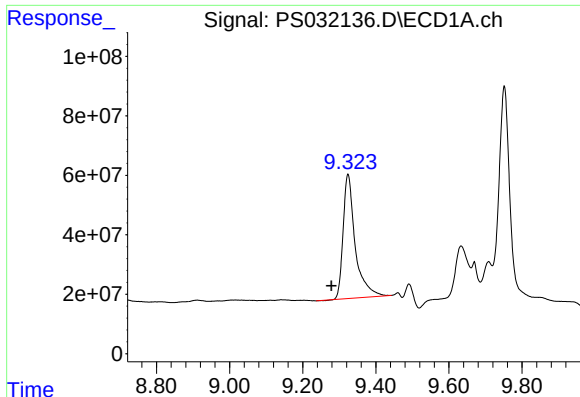
#9 2,4-D

R.T.: 8.394 min
Delta R.T.: -0.012 min
Response: 1934000
Conc: N.D.



#9 2,4-D

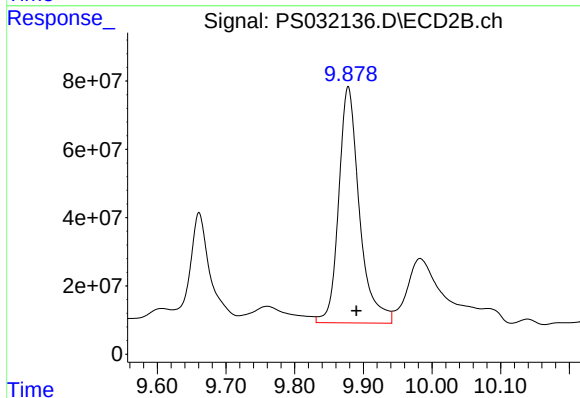
R.T.: 9.008 min
Delta R.T.: 0.012 min
Response: 6139384
Conc: 2.95 ng/ml



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

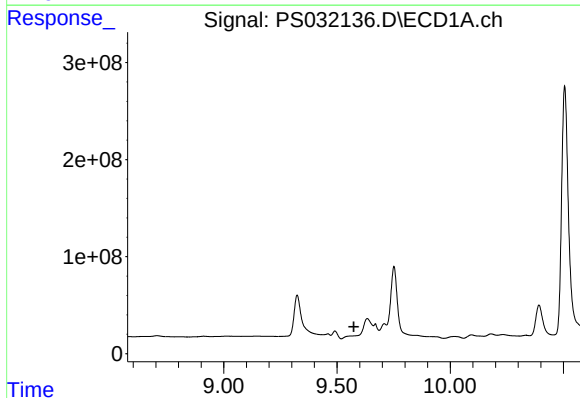
R.T.: 9.324 min
Delta R.T.: 0.046 min
Response: 957072815
Conc: 33.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFF



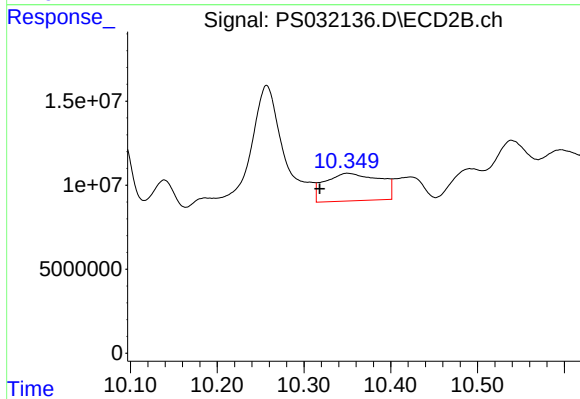
#11 2,4,5-TP (SILVEX)

R.T.: 9.878 min
Delta R.T.: -0.012 min
Response: 1450251499
Conc: 72.24 ng/ml



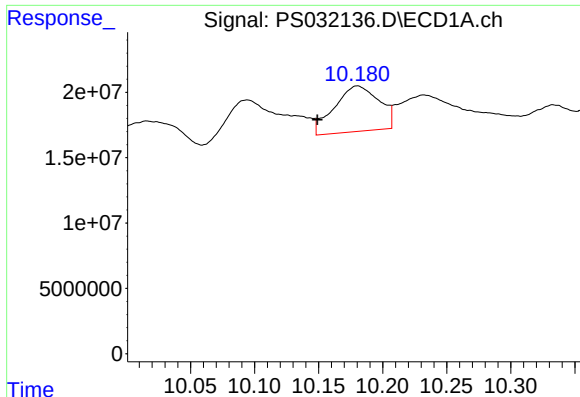
#12 2,4,5-T

R.T.: 0.000 min
Exp R.T. : 9.574 min
Response: 0
Conc: N.D.



#12 2,4,5-T

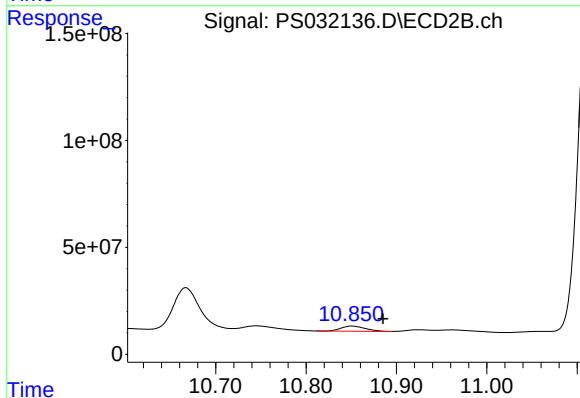
R.T.: 10.350 min
Delta R.T.: 0.032 min
Response: 71990609
Conc: 4.20 ng/ml



#13 2,4-DB

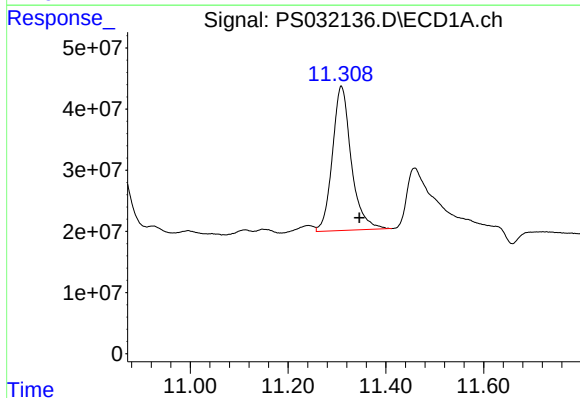
R.T.: 10.180 min
Delta R.T.: 0.031 min
Response: 84519055
Conc: 27.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFF



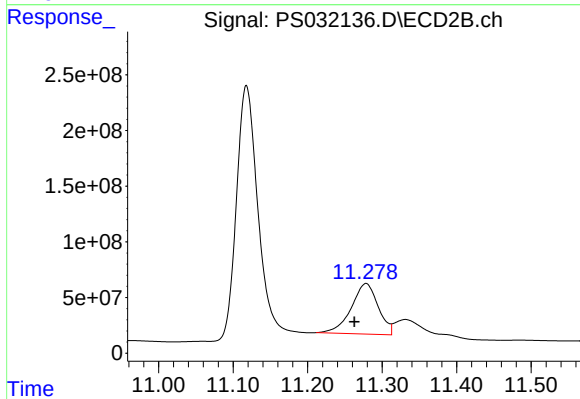
#13 2,4-DB

R.T.: 10.851 min
Delta R.T.: -0.034 min
Response: 45045807
Conc: 34.86 ng/ml



#14 DINOSEB

R.T.: 11.309 min
Delta R.T.: -0.037 min
Response: 631859113
Conc: 28.33 ng/ml



#14 DINOSEB

R.T.: 11.278 min
Delta R.T.: 0.015 min
Response: 1145341032
Conc: 75.34 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
 Data File : PS032144.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 15:00
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 04:41:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.279	7.743	3788.2E6	966.6E6	794.665	878.421
Target Compounds							
1) T	Dalapon	2.658	2.687	5318.5E6	2715.5E6	688.253	722.545
2) T	3,5-DICHL...	6.446	6.696	5262.9E6	1482.6E6	747.692	710.777
3) T	4-Nitroph...	7.092	7.296	1098.1E6	1147.3E6	822.758	756.081
5) T	DICAMBA	7.462	7.939	15912.1E6	6523.6E6	759.803	753.229
6) T	MCPD	7.641	8.036	963.9E6	199.8E6	78.825	80.503
7) T	MCPA	7.790	8.284	1194.7E6	294.2E6	81.181	77.995
8) T	DICHLORPROP	8.170	8.658	3466.2E6	1457.0E6	729.087	744.023
9) T	2,4-D	8.407	9.000	3710.0E6	1618.9E6	764.016	778.945
10) T	Pentachlo...	8.702	9.507	50305.8E6	41582.6E6	749.497	802.383
11) T	2,4,5-TP ...	9.277	9.892	21364.8E6	15191.6E6	756.490	756.749
12) T	2,4,5-T	9.575	10.321	20073.8E6	13603.3E6	795.183	793.443
13) T	2,4-DB	10.150	10.889	2353.4E6	1028.0E6	759.074	795.647
14) T	DINOSEB	11.343	11.264	15745.2E6	11228.4E6	706.036	738.561
15) T	Picloram	11.175	12.386	19049.9E6	23718.4E6	807.959	712.434
16) T	DCPA	11.643	12.305	27407.4E6	24953.8E6	745.978	751.357

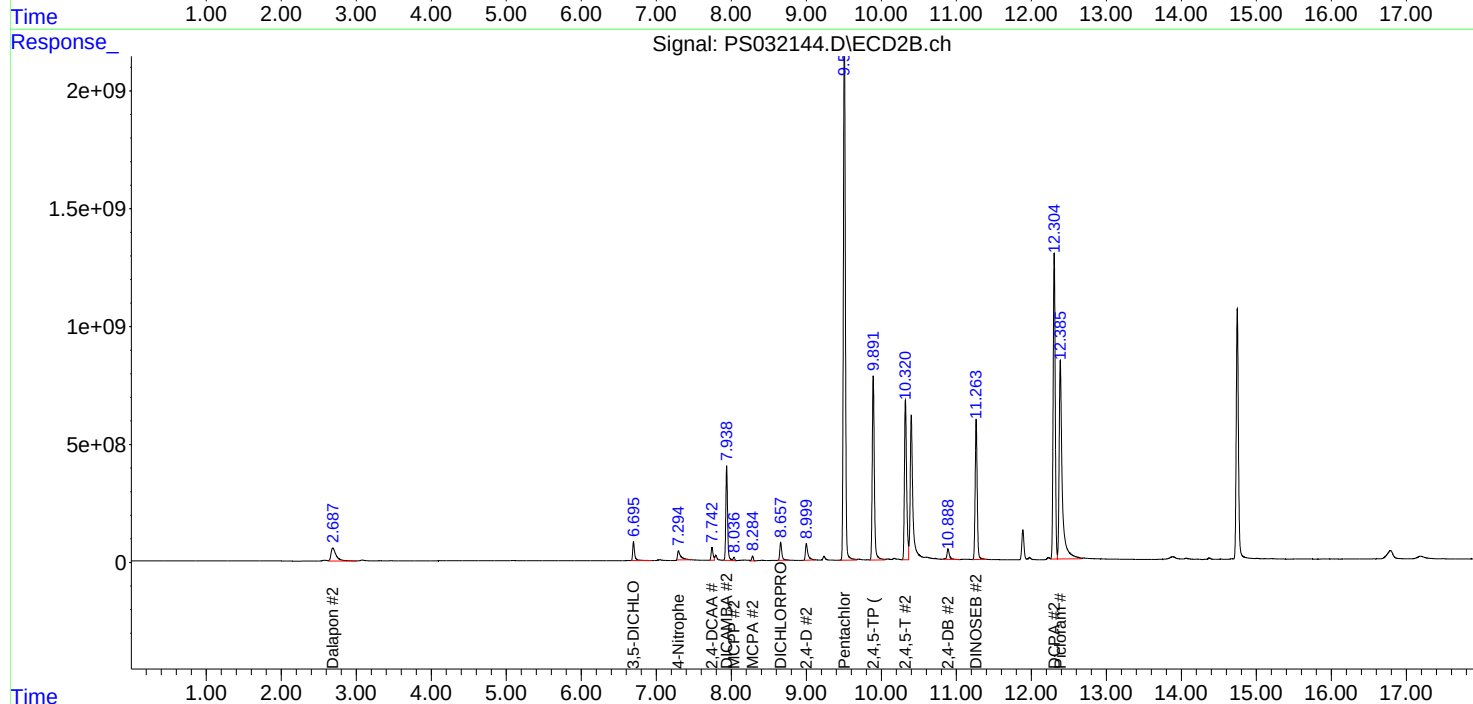
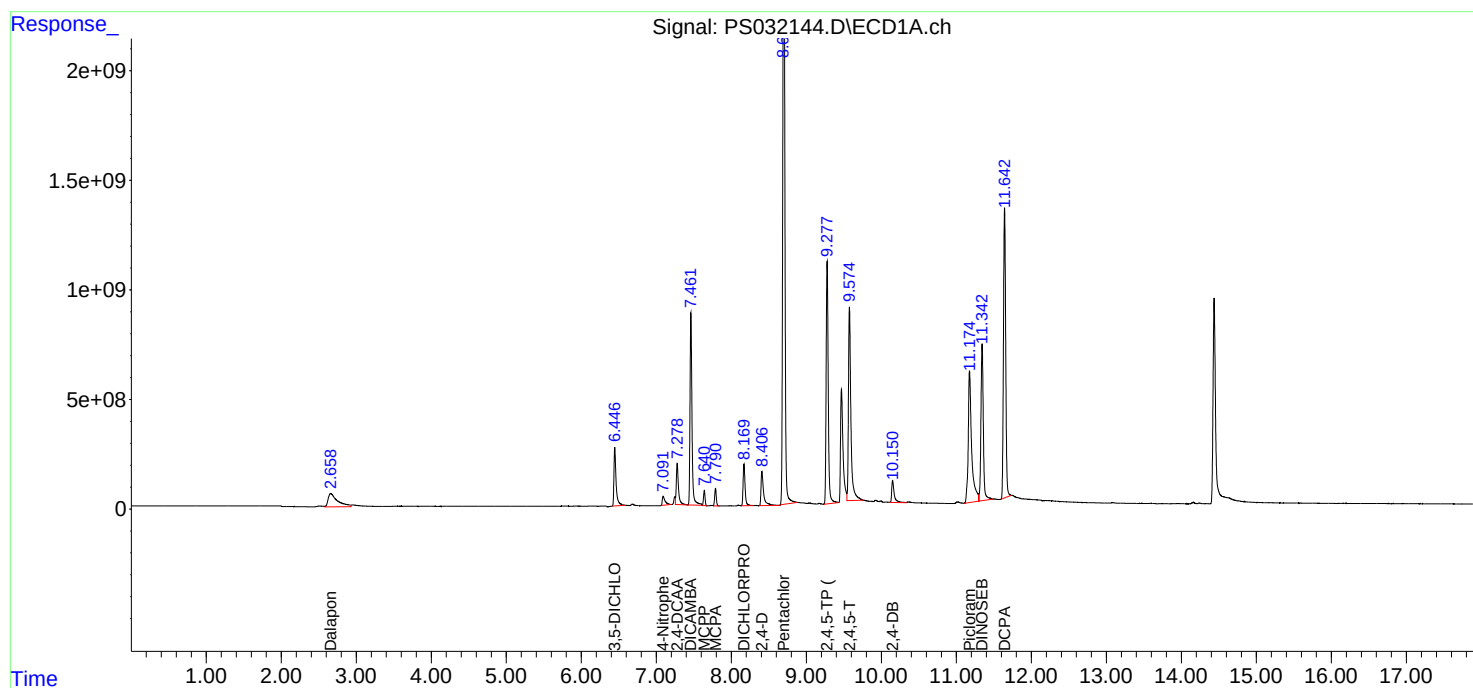
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

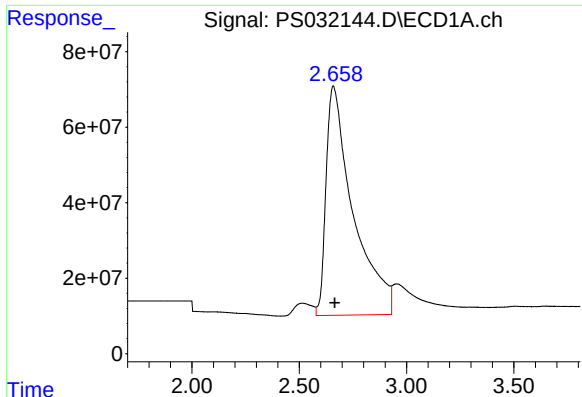
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:00
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:41:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

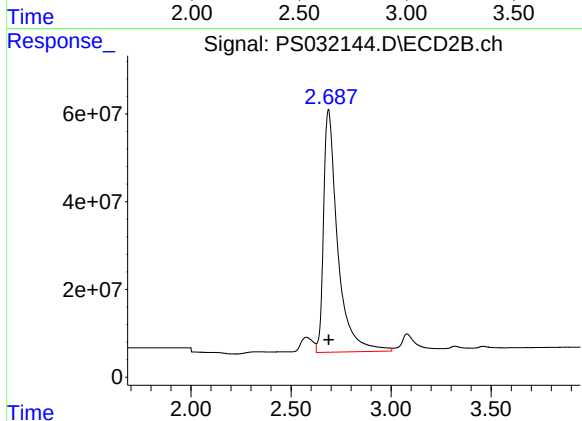




#1 Dalapon

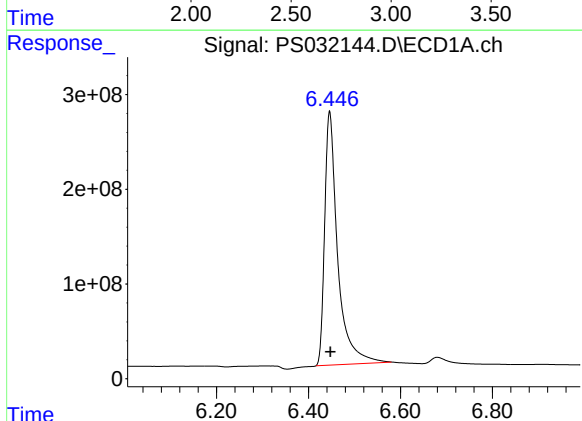
R.T.: 2.658 min
Delta R.T.: -0.007 min
Response: 5318498428
Conc: 688.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



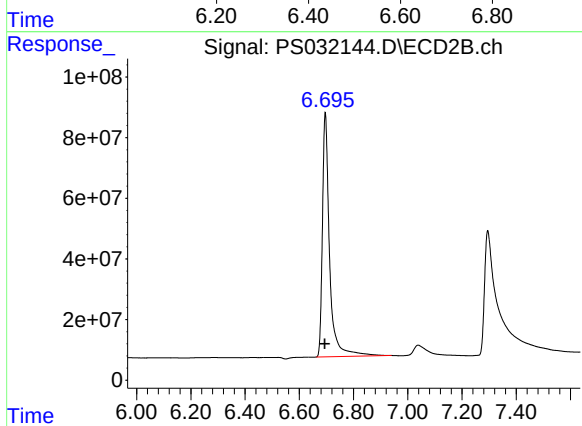
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: -0.002 min
Response: 2715519909
Conc: 722.55 ng/ml



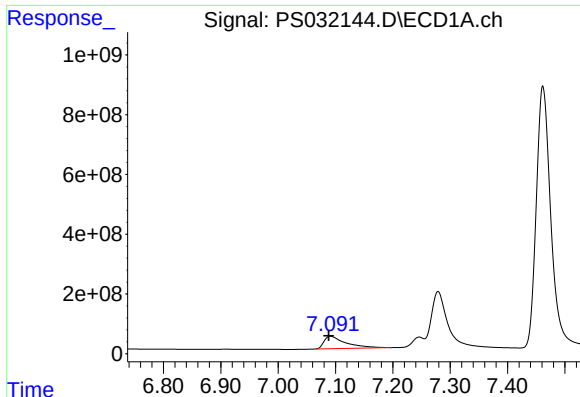
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.446 min
Delta R.T.: -0.001 min
Response: 5262903466
Conc: 747.69 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

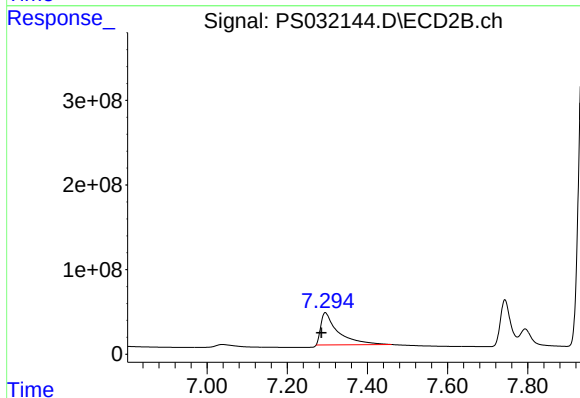
R.T.: 6.696 min
Delta R.T.: 0.003 min
Response: 1482597147
Conc: 710.78 ng/ml



#3 4-Nitrophenol

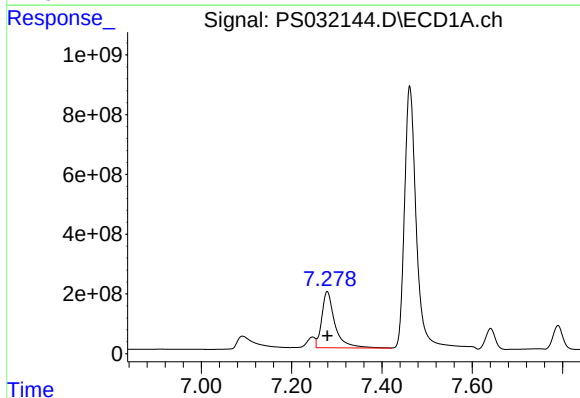
R.T.: 7.092 min
Delta R.T.: 0.003 min
Response: 1098121879
Conc: 822.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



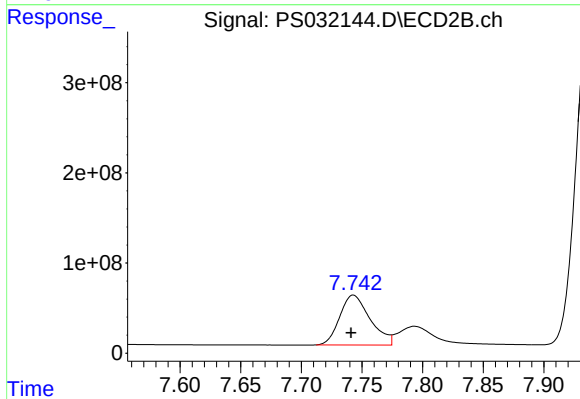
#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: 0.011 min
Response: 1147285546
Conc: 756.08 ng/ml



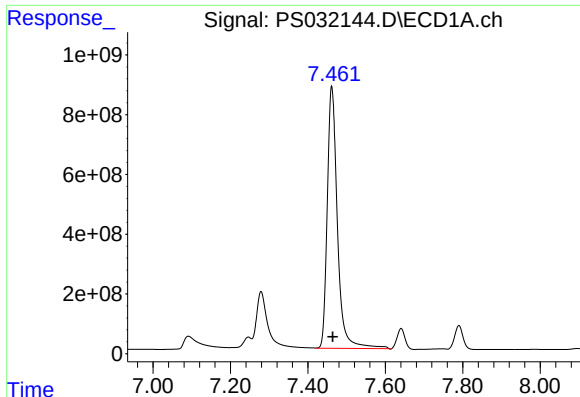
#4 2,4-DCAA

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 3788195905
Conc: 794.67 ng/ml



#4 2,4-DCAA

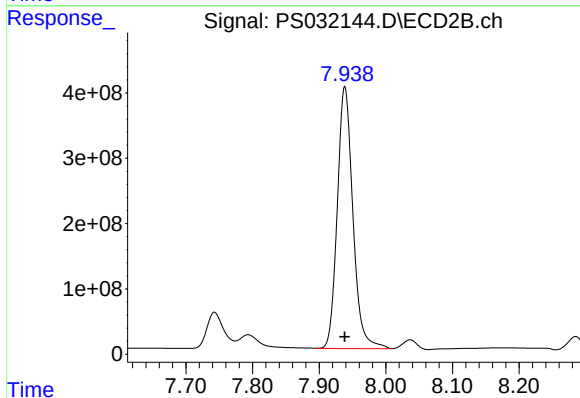
R.T.: 7.743 min
Delta R.T.: 0.002 min
Response: 966562491
Conc: 878.42 ng/ml



#5 DICAMBA

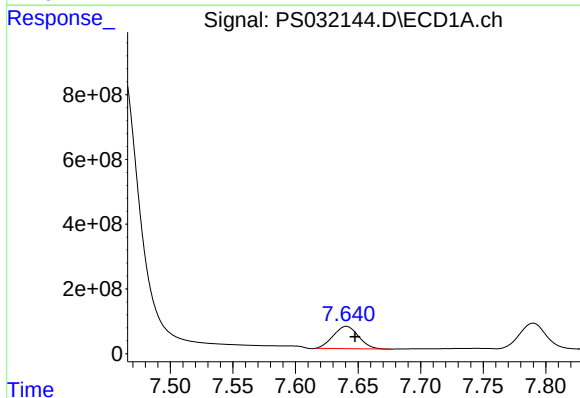
R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 15912074220
Conc: 759.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



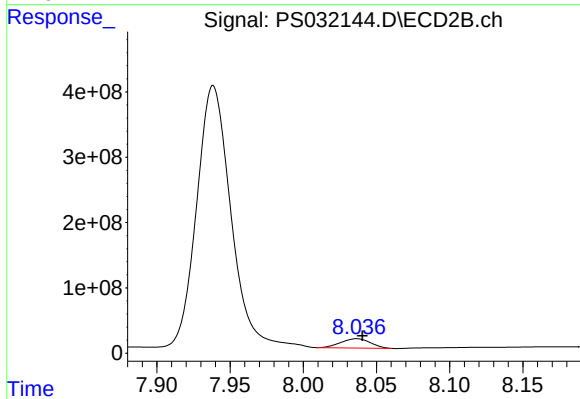
#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 6523627240
Conc: 753.23 ng/ml



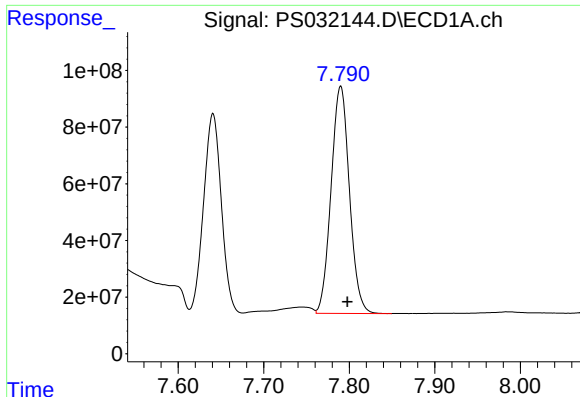
#6 MCP

R.T.: 7.641 min
Delta R.T.: -0.007 min
Response: 963904097
Conc: 78.82 ug/ml



#6 MCP

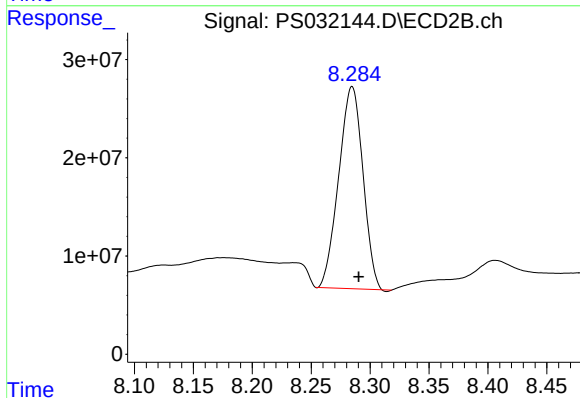
R.T.: 8.036 min
Delta R.T.: -0.004 min
Response: 199829742
Conc: 80.50 ug/ml



#7 MCPA

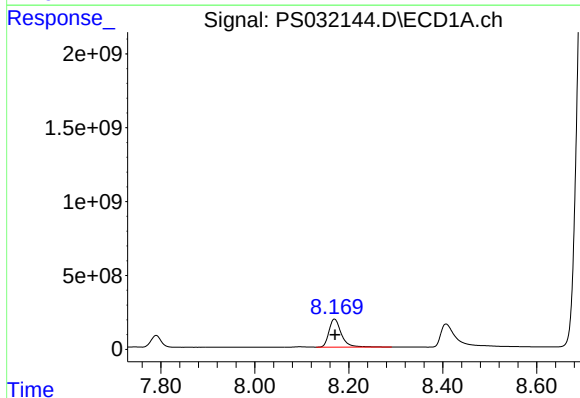
R.T.: 7.790 min
Delta R.T.: -0.008 min
Response: 1194685171
Conc: 81.18 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



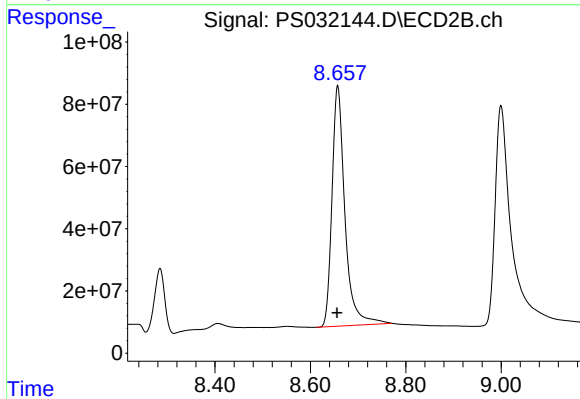
#7 MCPA

R.T.: 8.284 min
Delta R.T.: -0.006 min
Response: 294225359
Conc: 78.00 ug/ml



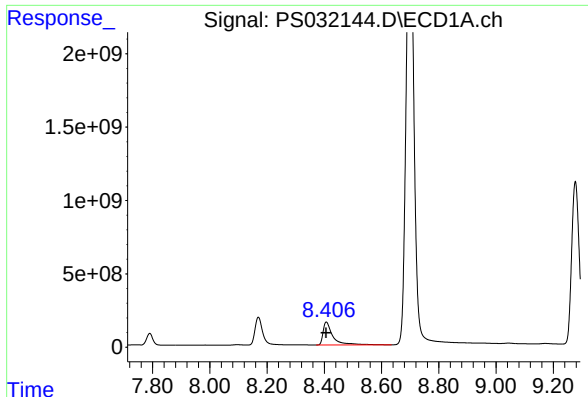
#8 DICHLORPROP

R.T.: 8.170 min
Delta R.T.: -0.001 min
Response: 3466188543
Conc: 729.09 ng/ml



#8 DICHLORPROP

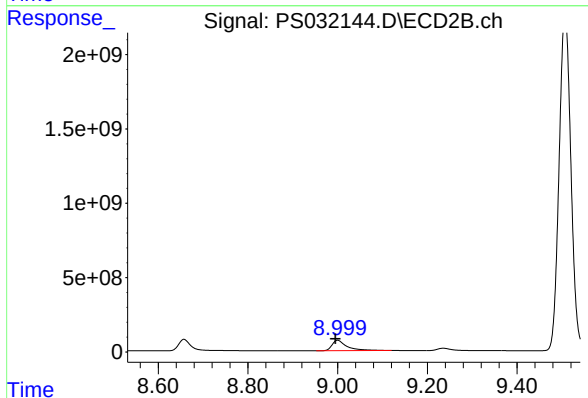
R.T.: 8.658 min
Delta R.T.: 0.002 min
Response: 1456991258
Conc: 744.02 ng/ml



#9 2,4-D

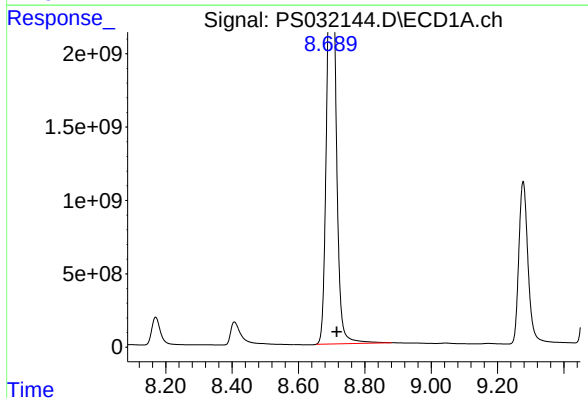
R.T.: 8.407 min
Delta R.T.: 0.000 min
Response: 3709965086
Conc: 764.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



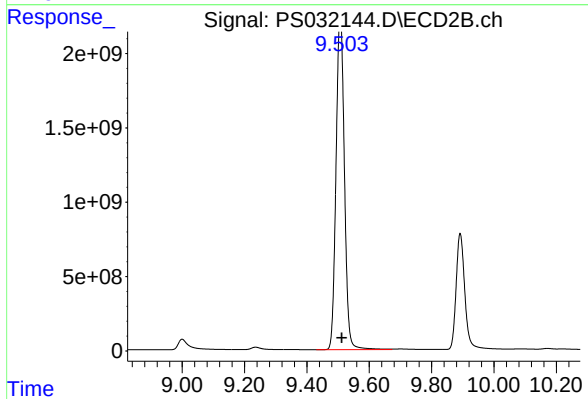
#9 2,4-D

R.T.: 9.000 min
Delta R.T.: 0.005 min
Response: 1618879373
Conc: 778.94 ng/ml



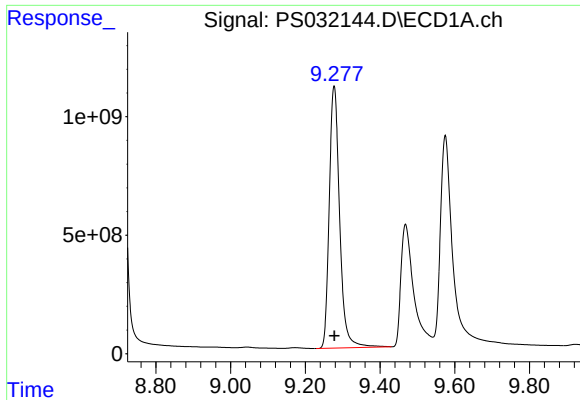
#10 Pentachlorophenol

R.T.: 8.702 min
Delta R.T.: -0.013 min
Response: 50305834433
Conc: 749.50 ng/ml



#10 Pentachlorophenol

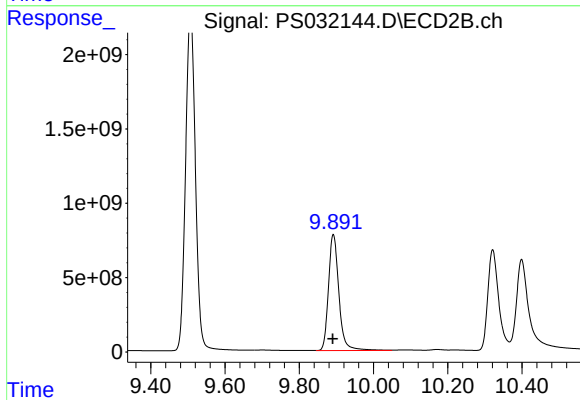
R.T.: 9.507 min
Delta R.T.: -0.005 min
Response: 41582602489
Conc: 802.38 ng/ml



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

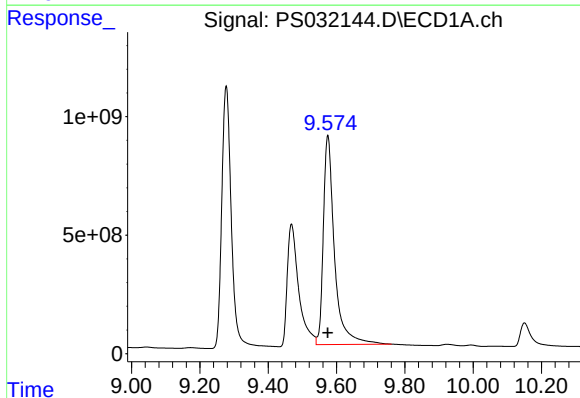
R.T.: 9.277 min
Delta R.T.: -0.001 min
Response: 21364807012
Conc: 756.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



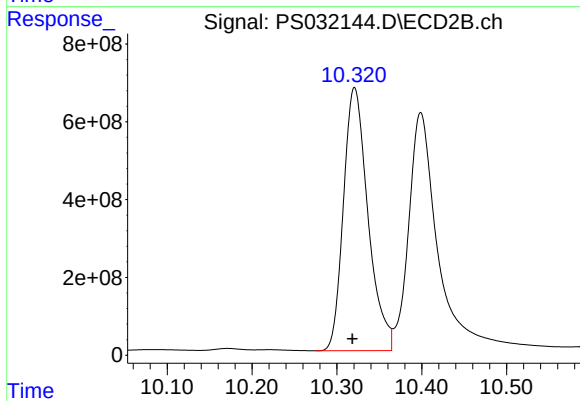
#11 2,4,5-TP (SILVEX)

R.T.: 9.892 min
Delta R.T.: 0.002 min
Response: 15191623025
Conc: 756.75 ng/ml



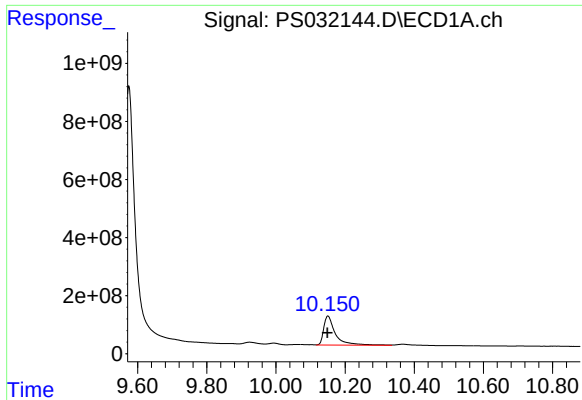
#12 2,4,5-T

R.T.: 9.575 min
Delta R.T.: 0.000 min
Response: 20073804614
Conc: 795.18 ng/ml



#12 2,4,5-T

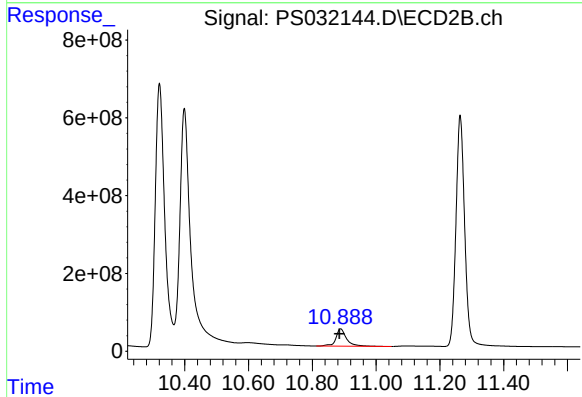
R.T.: 10.321 min
Delta R.T.: 0.003 min
Response: 13603329062
Conc: 793.44 ng/ml



#13 2,4-DB

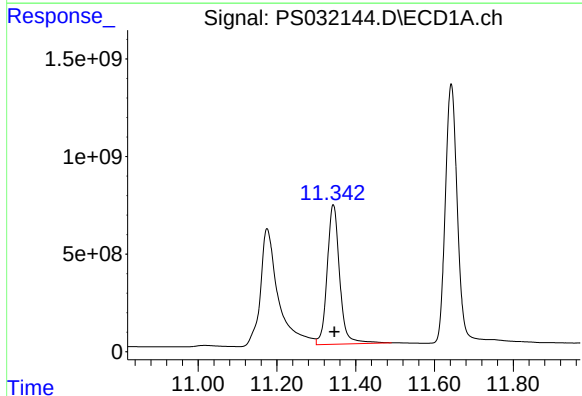
R.T.: 10.150 min
Delta R.T.: 0.001 min
Response: 2353370212
Conc: 759.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



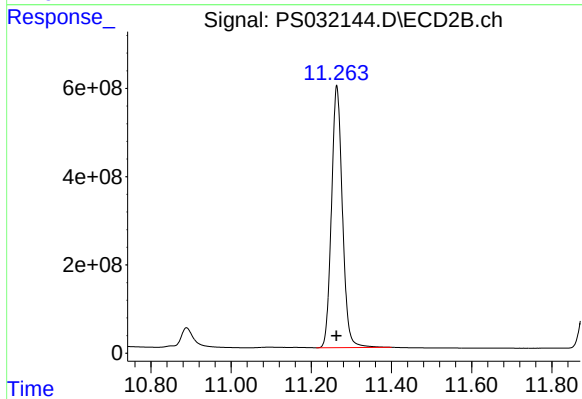
#13 2,4-DB

R.T.: 10.889 min
Delta R.T.: 0.004 min
Response: 1028048128
Conc: 795.65 ng/ml



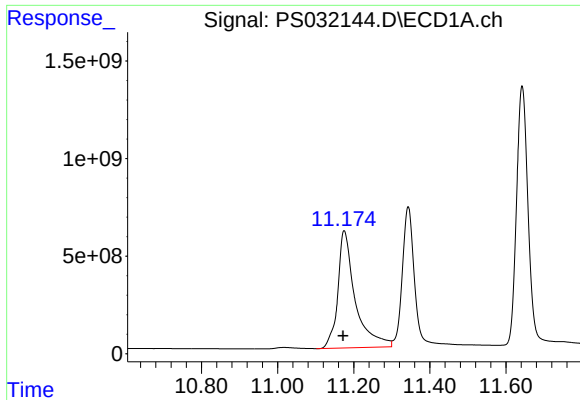
#14 DINOSEB

R.T.: 11.343 min
Delta R.T.: -0.003 min
Response: 15745214899
Conc: 706.04 ng/ml



#14 DINOSEB

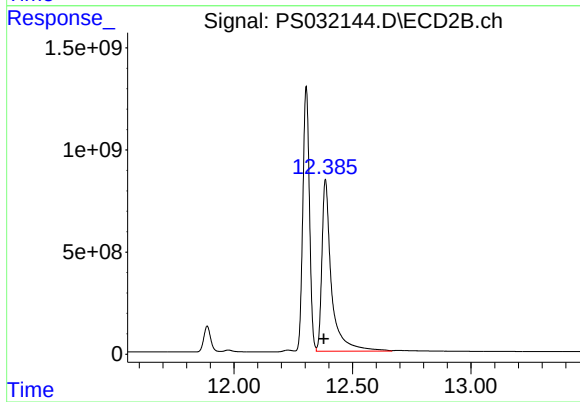
R.T.: 11.264 min
Delta R.T.: 0.000 min
Response: 11228398921
Conc: 738.56 ng/ml



#15 Picloram

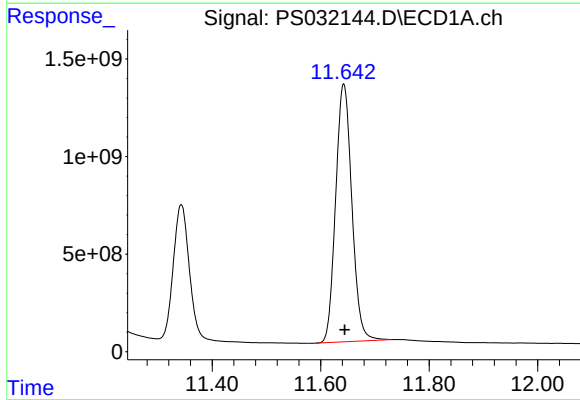
R.T.: 11.175 min
Delta R.T.: 0.003 min
Response: 19049948311
Conc: 807.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



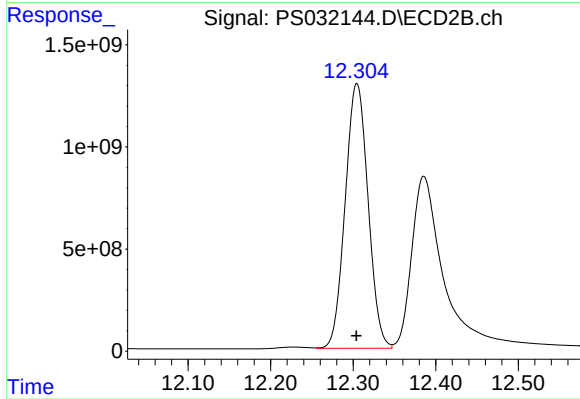
#15 Picloram

R.T.: 12.386 min
Delta R.T.: 0.007 min
Response: 23718365773
Conc: 712.43 ng/ml



#16 DCPA

R.T.: 11.643 min
Delta R.T.: -0.002 min
Response: 27407409658
Conc: 745.98 ng/ml



#16 DCPA

R.T.: 12.305 min
Delta R.T.: 0.000 min
Response: 24953817475
Conc: 751.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
 Data File : PS032145.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 15:25
 Operator : AR\AJ
 Sample : Q339902MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 COMP-ROLLOFFMS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 04:42:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.279	7.743	1649.5E6	467.7E6	346.031	425.031
Target Compounds							
1) T	Dalapon	2.653	2.686	3973.1E6	2005.2E6	514.153	533.547
2) T	3,5-DICHL...	6.448	6.699	1588.4E6	348.2E6	225.660	166.936 #
3) T	4-Nitroph...	7.137f	7.308	131.9E6	932931	98.833	<MDL #
5) T	DICAMBA	7.462	7.939	4491.9E6	1882.0E6	214.487	217.301
6) T	MCPD	7.637	8.032	184.6E6	5594870	15.098	2.254 #
7) T	MCPA	7.786	8.280	314.2E6	59655952	21.353	15.814 #
8) T	DICHLORPROP	8.171	8.658	1120.9E6	413.4E6	235.771	211.128
9) T	2,4-D	8.411	9.004	1217.8E6	605.7E6	250.786	291.417
10) T	Pentachlo...	8.699	9.508	12790.8E6	8594.3E6	190.568	165.836
11) T	2,4,5-TP ...	9.278	9.890	8003.9E6	9198.4E6	283.404	458.207 #
12) T	2,4,5-T	9.575	10.325	6339.4E6	4049.4E6	251.124	236.193
13) T	2,4-DB	10.153	10.892	847.8E6	333.7E6	273.455	258.248
14) T	DINOSEB	11.343	11.271	2490.4E6	3206.2E6	111.672	210.890 #
15) T	Picloram	11.182	12.392	5039.6E6	6416.8E6	213.742	192.744
16) T	DCPA	11.642	12.305	8065.9E6	7380.3E6	219.539	222.221

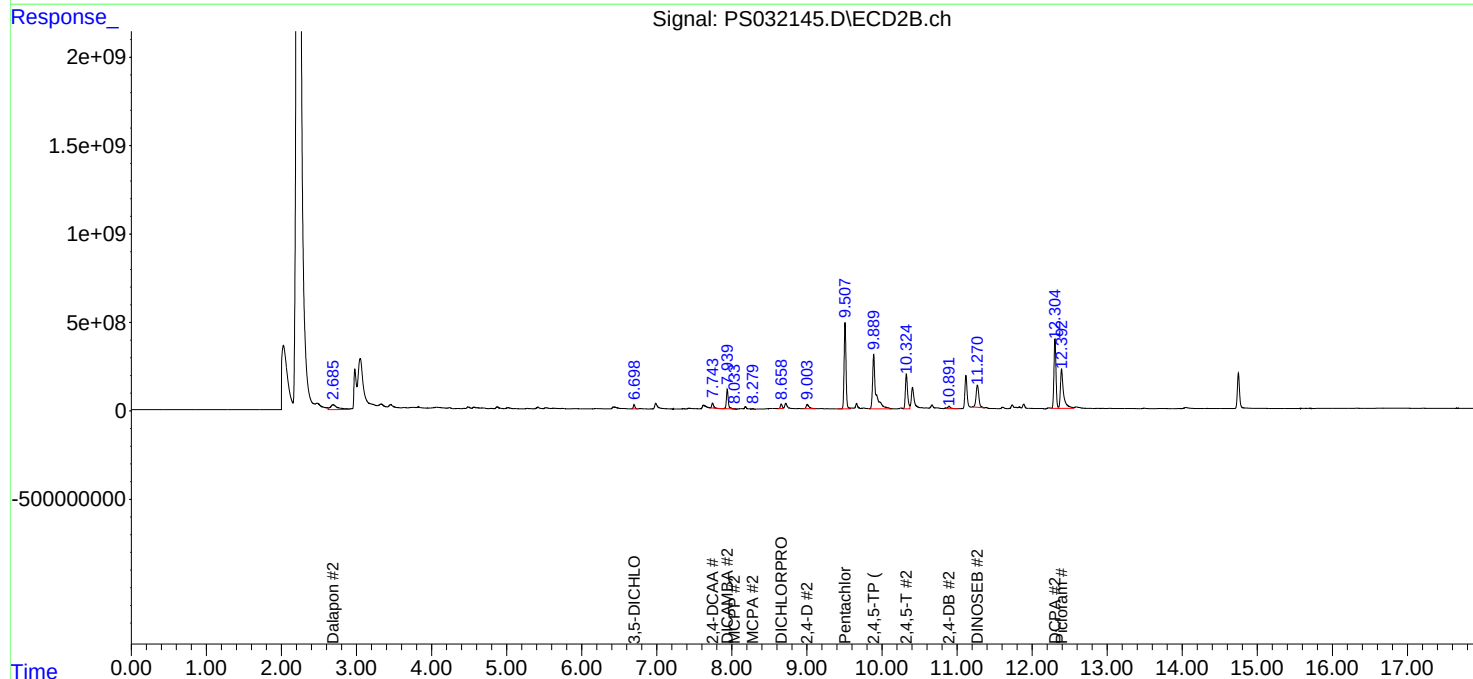
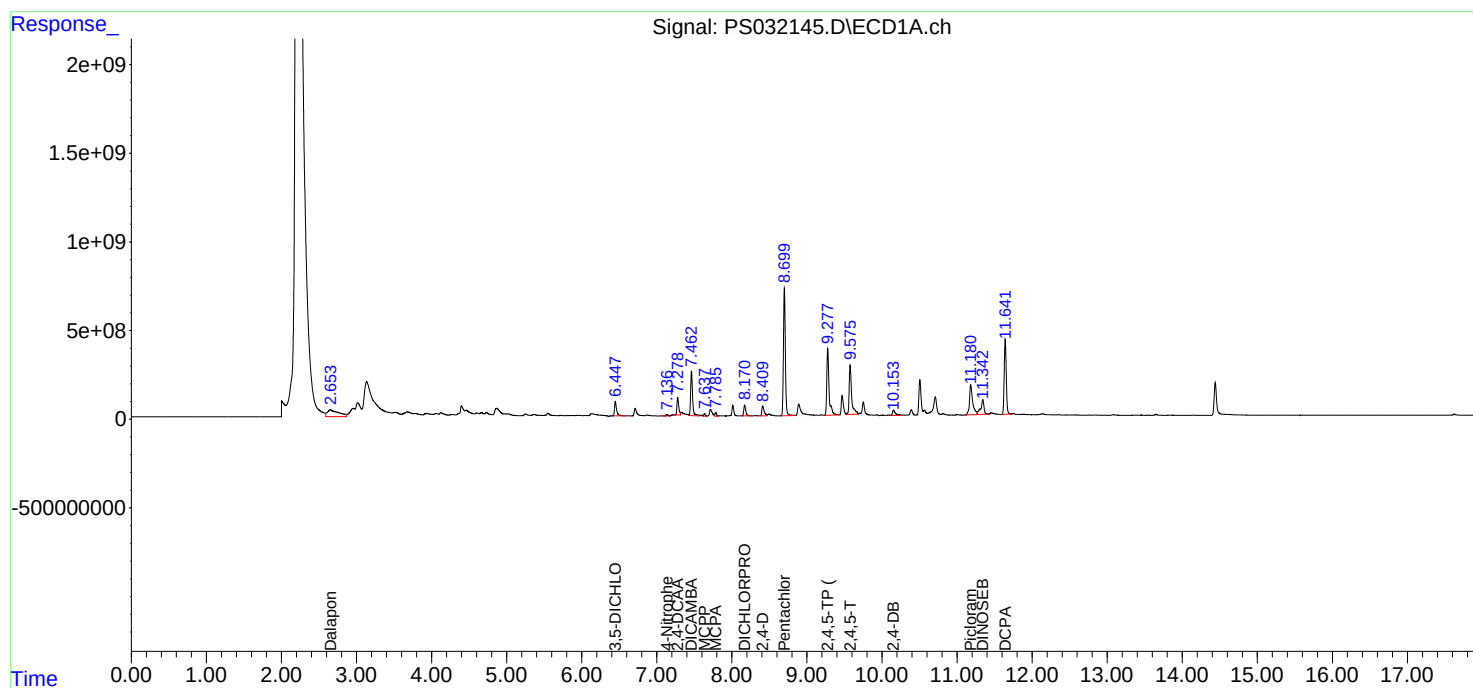
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

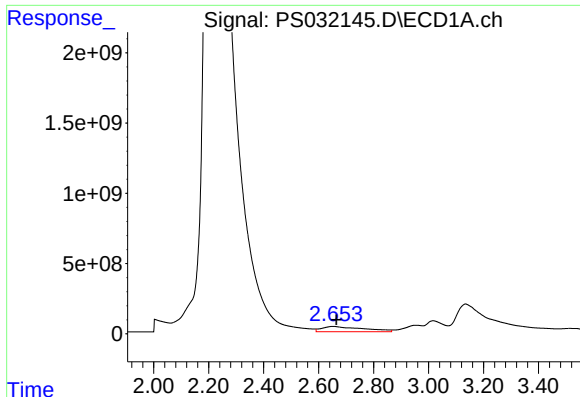
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:25
Operator : AR\AJ
Sample : Q339902MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:42:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

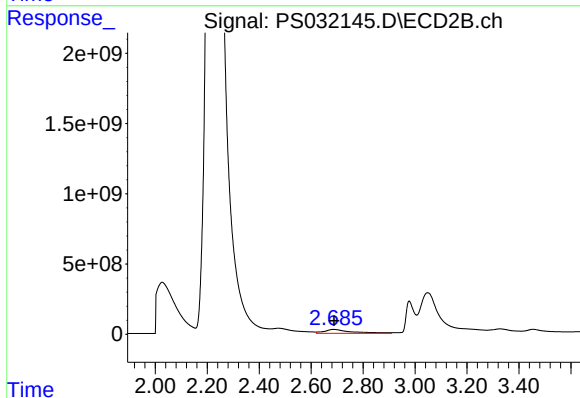




#1 Dalapon

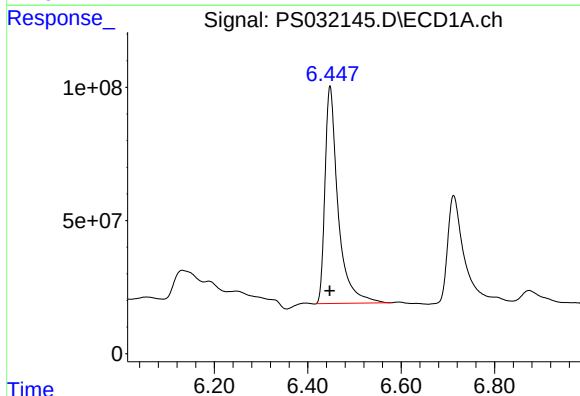
R.T.: 2.653 min
Delta R.T.: -0.012 min
Response: 3973131049
Conc: 514.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS



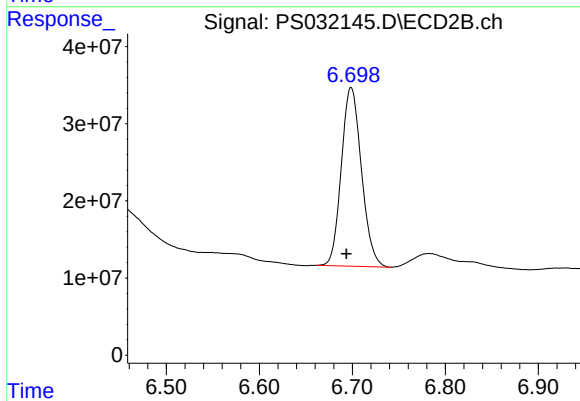
#1 Dalapon

R.T.: 2.686 min
Delta R.T.: -0.003 min
Response: 2005212041
Conc: 533.55 ng/ml



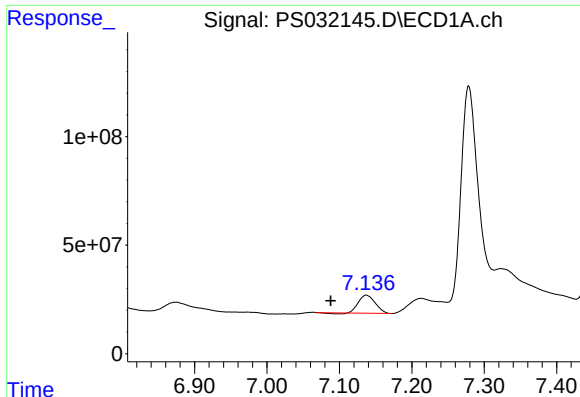
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 1588391355
Conc: 225.66 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

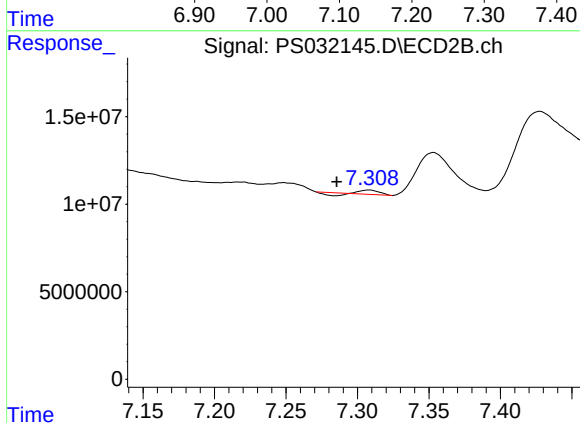
R.T.: 6.699 min
Delta R.T.: 0.005 min
Response: 348209155
Conc: 166.94 ng/ml



#3 4-Nitrophenol

R.T.: 7.137 min
Delta R.T.: 0.049 min
Response: 131910484
Conc: 98.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS

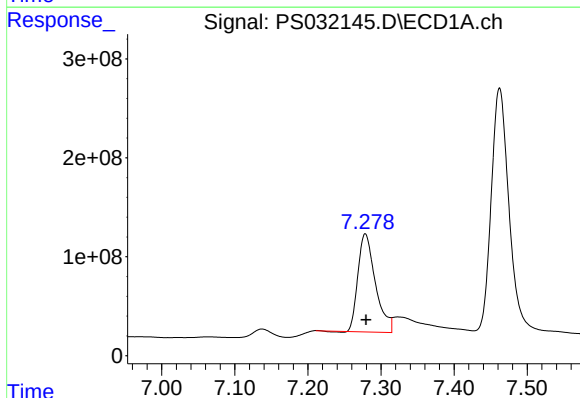


#3 4-Nitrophenol

```

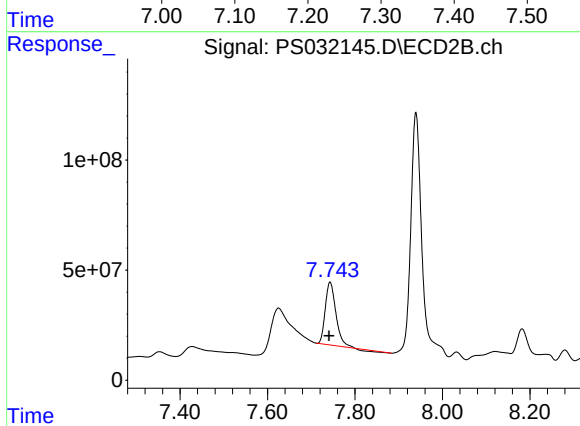
      R.T.:    7.308 min
Delta R.T.:    0.022 min
  Response:    932931
      Conc:    N.D.

```



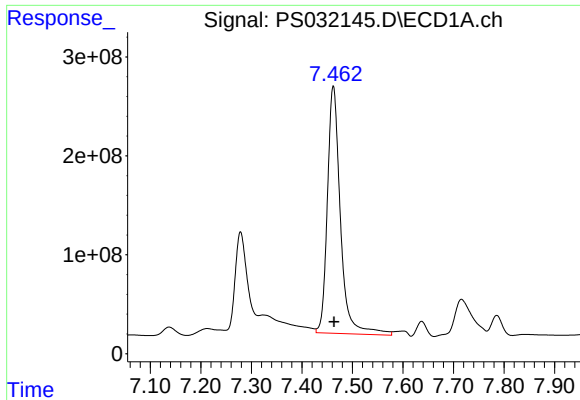
#4 2,4-DCAA

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 1649539695
Conc: 346.03 ng/ml



#4 2,4-DCAA

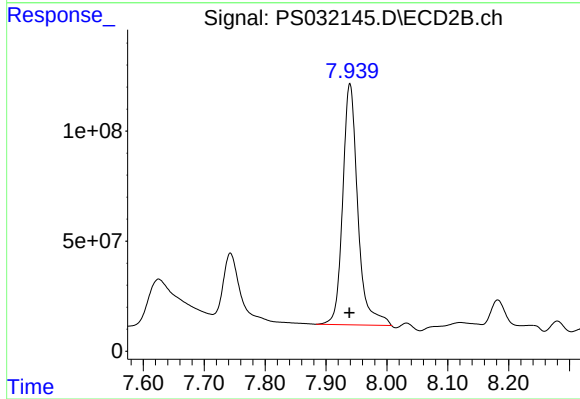
R.T.: 7.743 min
Delta R.T.: 0.002 min
Response: 467678624
Conc: 425.03 ng/ml



#5 DICAMBA

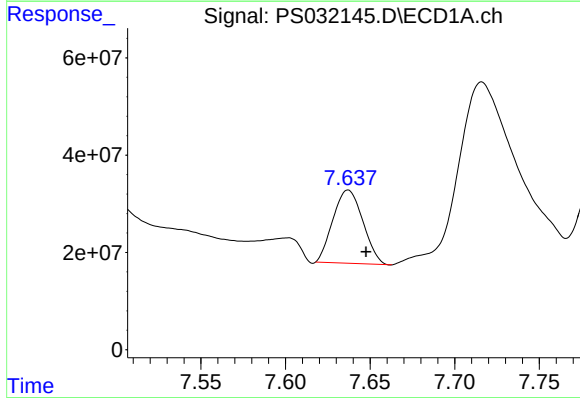
R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 4491860095
Conc: 214.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS



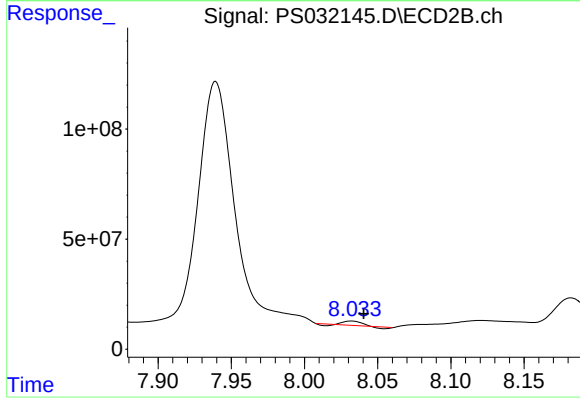
#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.001 min
Response: 1882021859
Conc: 217.30 ng/ml



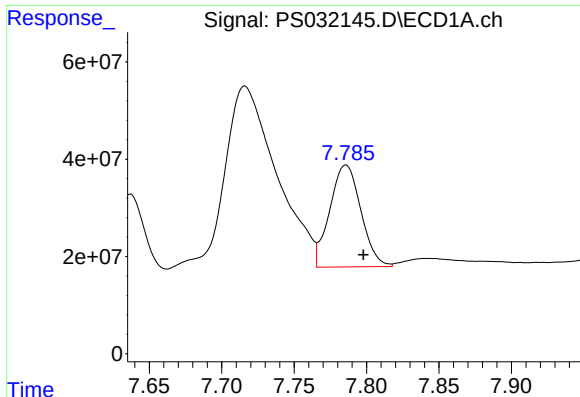
#6 MCP

R.T.: 7.637 min
Delta R.T.: -0.011 min
Response: 184620139
Conc: 15.10 ug/ml



#6 MCP

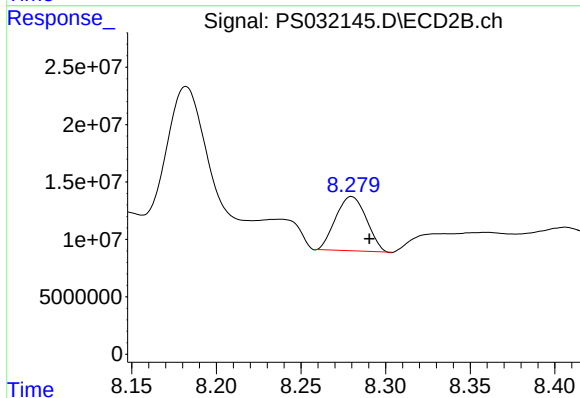
R.T.: 8.032 min
Delta R.T.: -0.008 min
Response: 5594870
Conc: 2.25 ug/ml



#7 MCPA

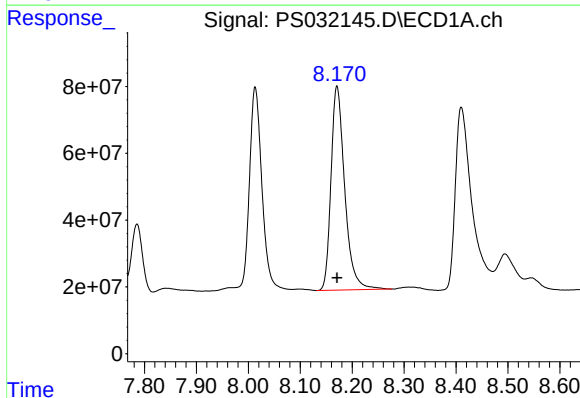
R.T.: 7.786 min
Delta R.T.: -0.012 min
Response: 314239805
Conc: 21.35 ug/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS



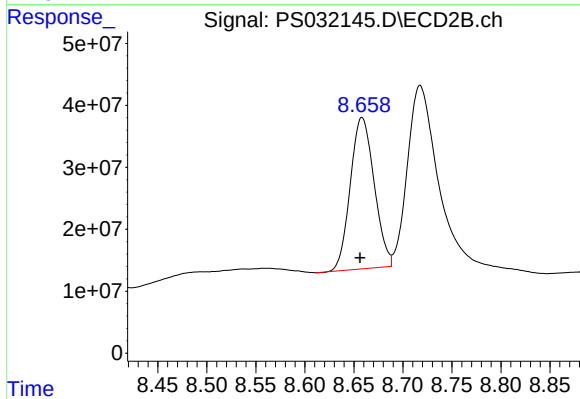
#7 MCPA

R.T.: 8.280 min
Delta R.T.: -0.011 min
Response: 59655952
Conc: 15.81 ug/ml



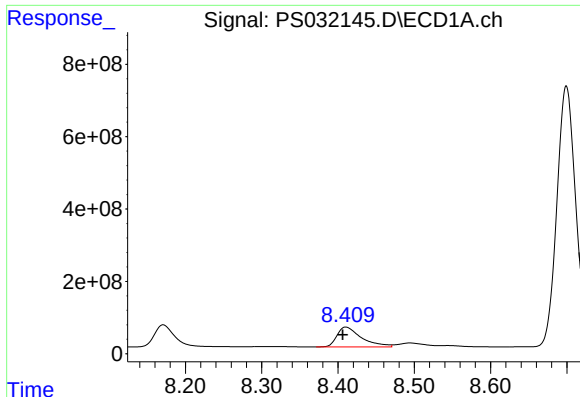
#8 DICHLORPROP

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 1120891671
Conc: 235.77 ng/ml



#8 DICHLORPROP

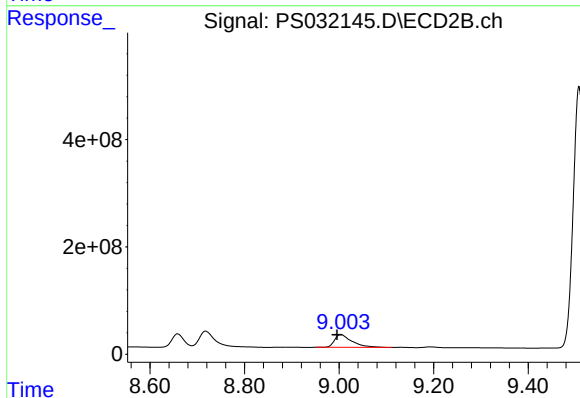
R.T.: 8.658 min
Delta R.T.: 0.002 min
Response: 413443869
Conc: 211.13 ng/ml



#9 2,4-D

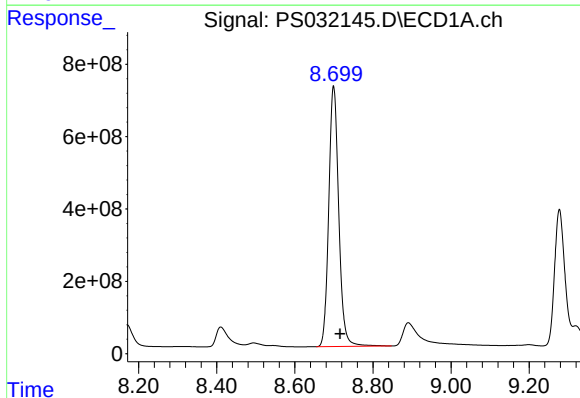
R.T.: 8.411 min
Delta R.T.: 0.004 min
Response: 1217786509
Conc: 250.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS



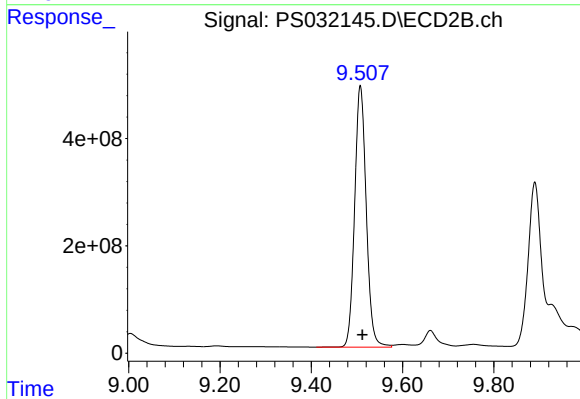
#9 2,4-D

R.T.: 9.004 min
Delta R.T.: 0.008 min
Response: 605650599
Conc: 291.42 ng/ml



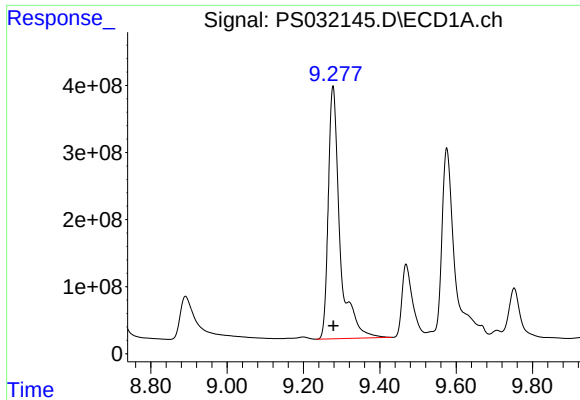
#10 Pentachlorophenol

R.T.: 8.699 min
Delta R.T.: -0.016 min
Response: 12790815703
Conc: 190.57 ng/ml



#10 Pentachlorophenol

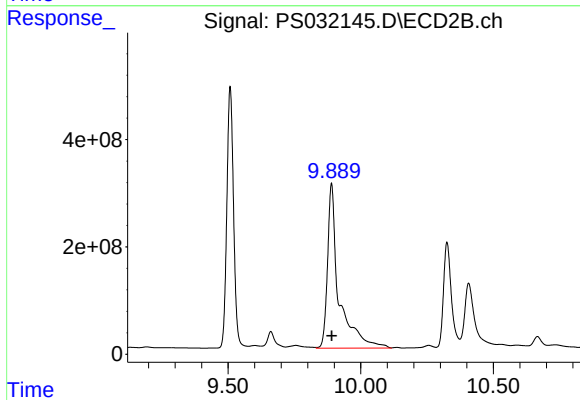
R.T.: 9.508 min
Delta R.T.: -0.005 min
Response: 8594251266
Conc: 165.84 ng/ml



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

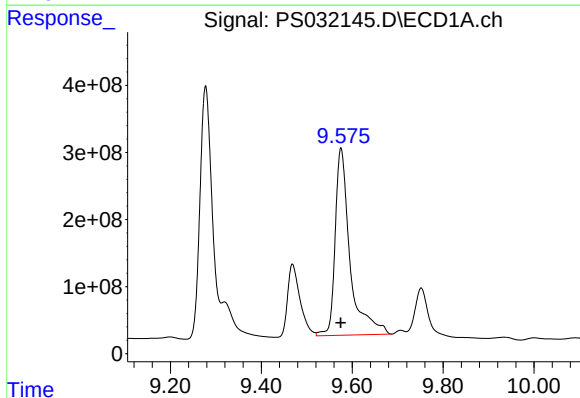
R.T.: 9.278 min
Delta R.T.: 0.000 min
Response: 8003904043
Conc: 283.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS



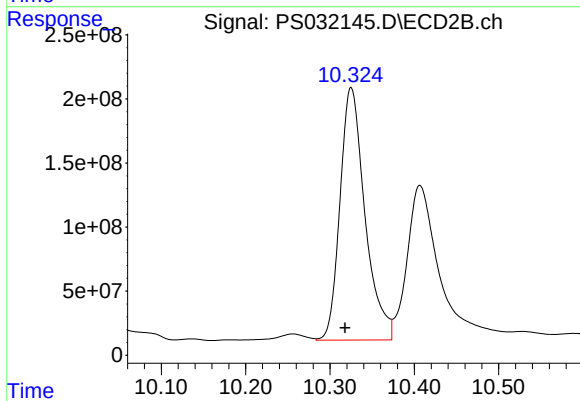
#11 2,4,5-TP (SILVEX)

R.T.: 9.890 min
Delta R.T.: 0.000 min
Response: 9198434612
Conc: 458.21 ng/ml



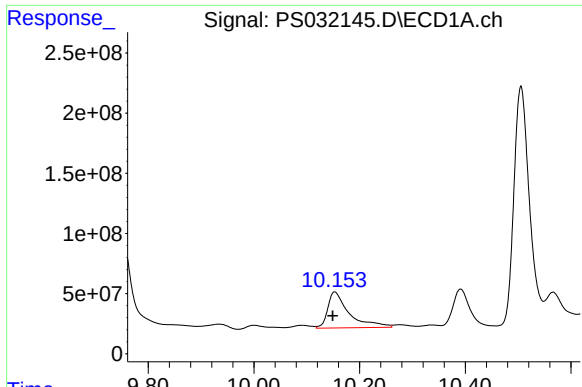
#12 2,4,5-T

R.T.: 9.575 min
Delta R.T.: 0.001 min
Response: 6339433857
Conc: 251.12 ng/ml



#12 2,4,5-T

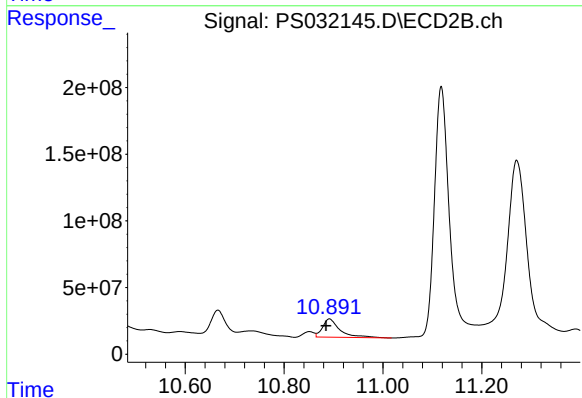
R.T.: 10.325 min
Delta R.T.: 0.007 min
Response: 4049445538
Conc: 236.19 ng/ml



#13 2,4-DB

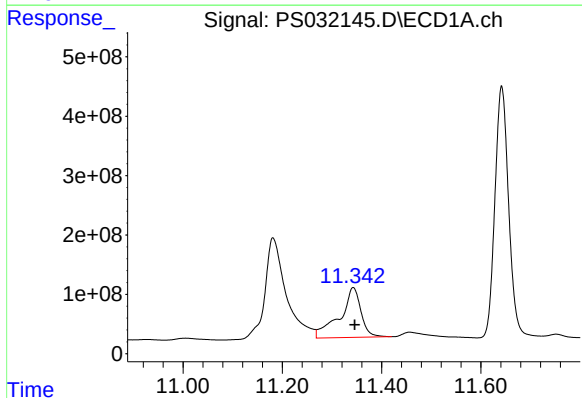
R.T.: 10.153 min
Delta R.T.: 0.004 min
Response: 847797387
Conc: 273.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS



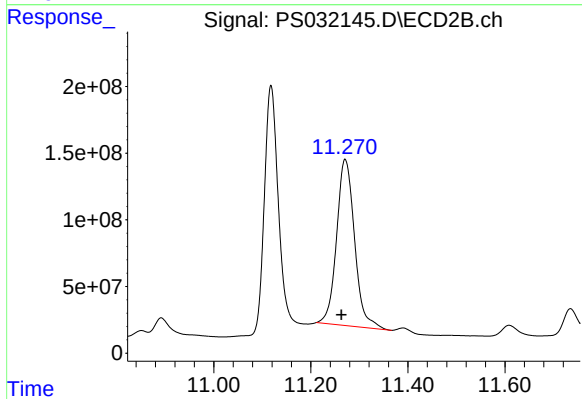
#13 2,4-DB

R.T.: 10.892 min
Delta R.T.: 0.007 min
Response: 333679566
Conc: 258.25 ng/ml



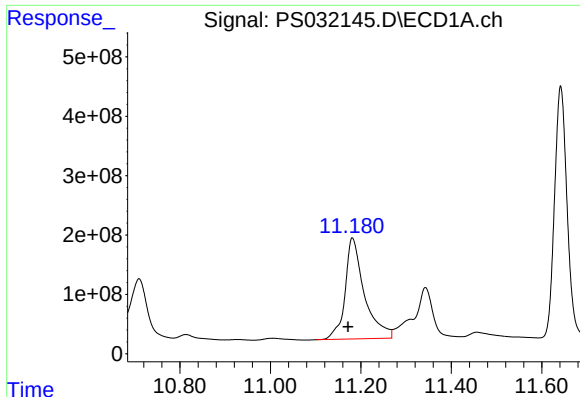
#14 DINOSEB

R.T.: 11.343 min
Delta R.T.: -0.003 min
Response: 2490372451
Conc: 111.67 ng/ml



#14 DINOSEB

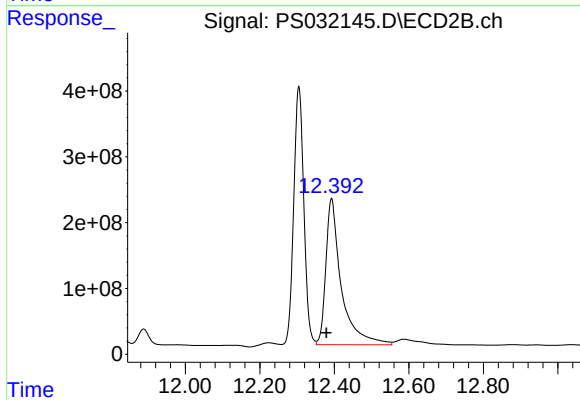
R.T.: 11.271 min
Delta R.T.: 0.008 min
Response: 3206175242
Conc: 210.89 ng/ml



#15 Picloram

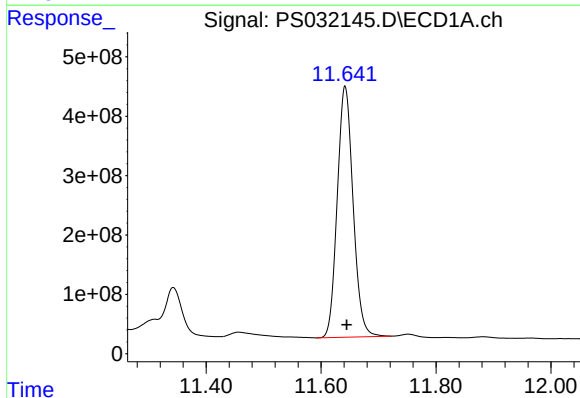
R.T.: 11.182 min
Delta R.T.: 0.010 min
Response: 5039574317
Conc: 213.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMS



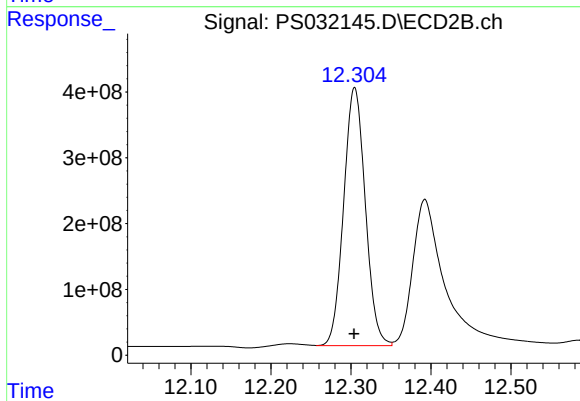
#15 Picloram

R.T.: 12.392 min
Delta R.T.: 0.013 min
Response: 6416841938
Conc: 192.74 ng/ml



#16 DCPA

R.T.: 11.642 min
Delta R.T.: -0.003 min
Response: 8065897151
Conc: 219.54 ng/ml



#16 DCPA

R.T.: 12.305 min
Delta R.T.: 0.000 min
Response: 7380337982
Conc: 222.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
 Data File : PS032146.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 15:49
 Operator : AR\AJ
 Sample : Q339902MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 COMP-ROLLOFFMSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 04:42:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
 Quant Title : 8080.M
 QLast Update : Mon Oct 13 12:51:14 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.279	7.743	2245.9E6	462.1E6	471.135	419.995
Target Compounds							
1) T	Dalapon	2.651	2.687	4054.7E6	2058.8E6	524.713	547.798
2) T	3,5-DICHL...	6.448	6.699	1565.3E6	342.1E6	222.375	164.014 #
3) T	4-Nitroph...	7.137f	7.307	147.0E6	1549255	110.116	1.021 #
5) T	DICAMBA	7.462	7.939	4456.8E6	1863.7E6	212.811	215.189
6) T	MCPD	7.636	8.032	181.4E6	6627486	14.836	2.670 #
7) T	MCPA	7.785	8.279	283.2E6	59060165	19.247	15.656
8) T	DICHLORPROP	8.171	8.658	1100.4E6	413.4E6	231.460	211.095
9) T	2,4-D	8.411	9.003	1188.6E6	597.0E6	244.783	287.232
10) T	Pentachlo...	8.699	9.508	12351.9E6	8309.1E6	184.029	160.334
11) T	2,4,5-TP ...	9.277	9.890	7873.6E6	9162.7E6	278.790	456.428 #
12) T	2,4,5-T	9.575	10.325	6234.3E6	3965.8E6	246.960	231.312
13) T	2,4-DB	10.154	10.892	805.5E6	318.6E6	259.809	246.576
14) T	DINOSEB	11.343	11.272	2385.7E6	3360.5E6	106.980	221.038 #
15) T	Picloram	11.183	12.393	4555.5E6	5843.1E6	193.212	175.510
16) T	DCPA	11.642	12.304	7955.2E6	7281.1E6	216.525	219.234

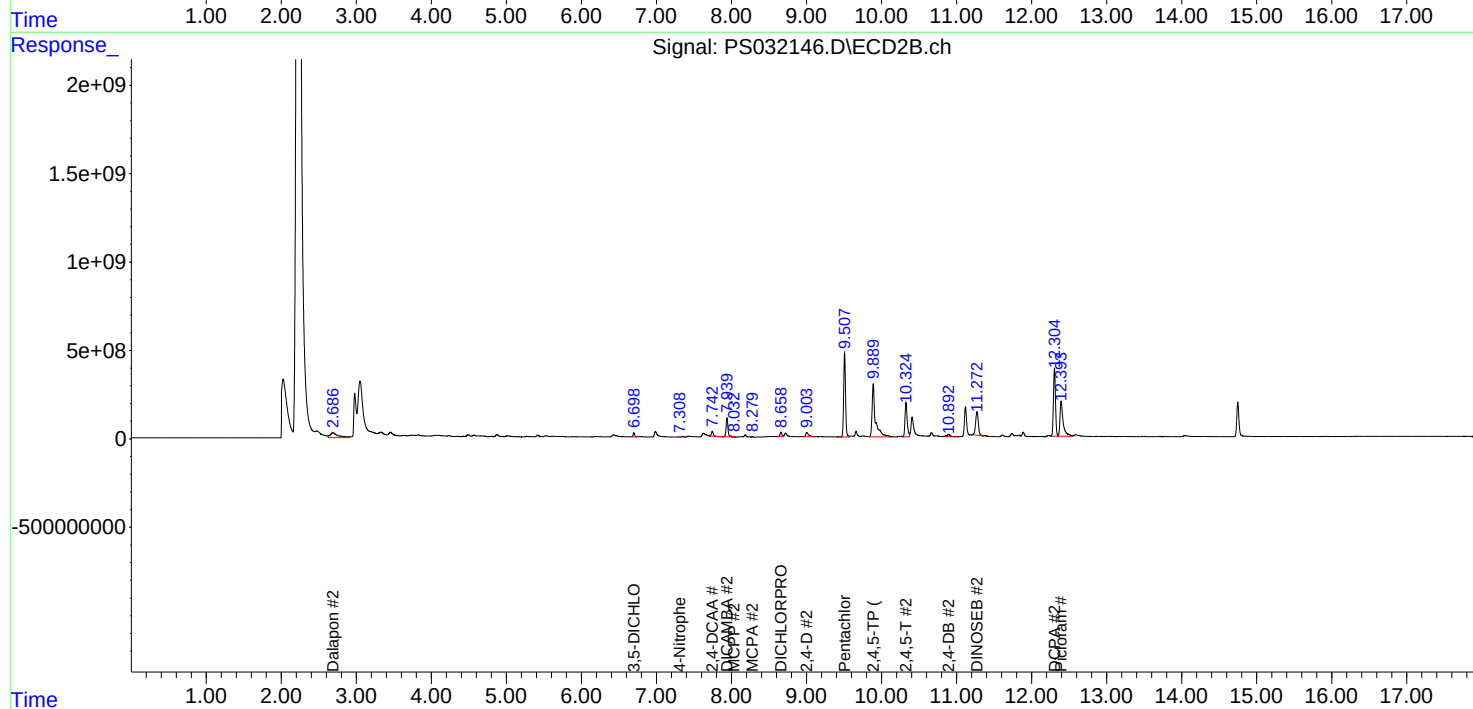
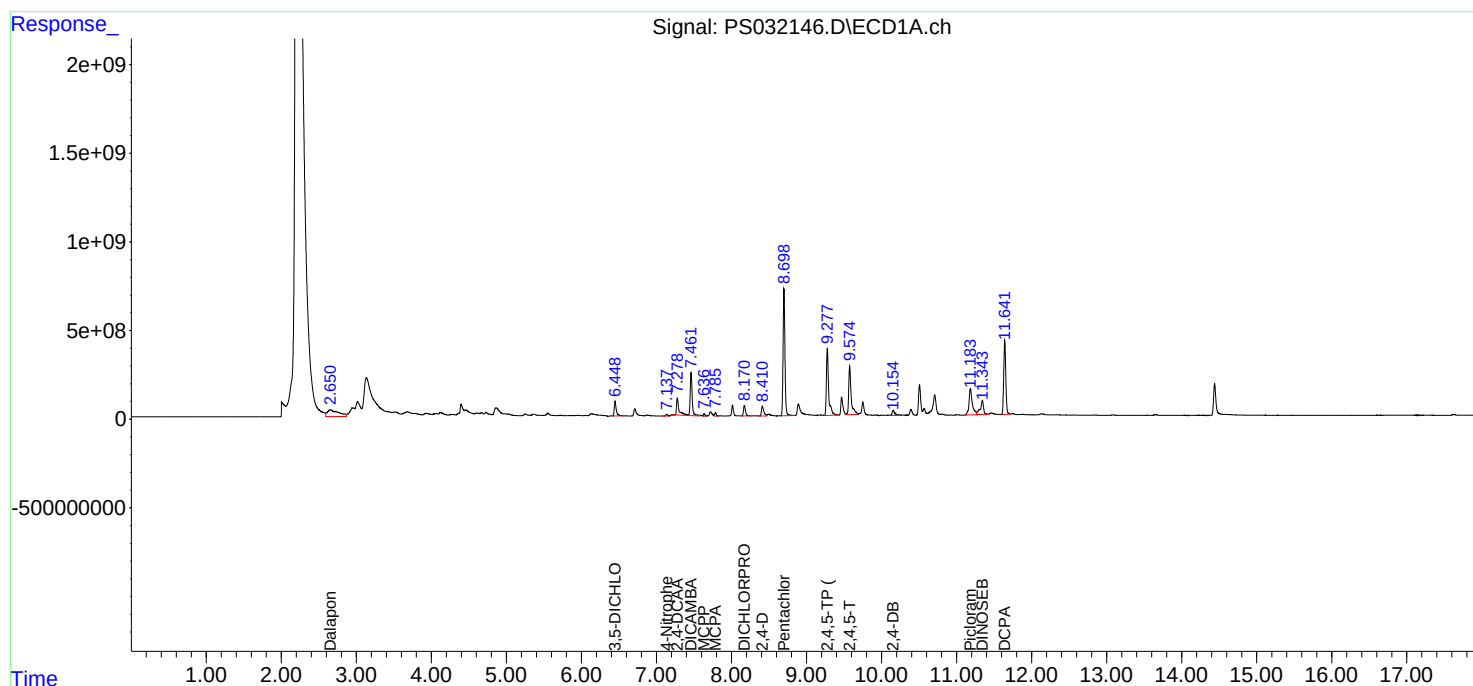
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

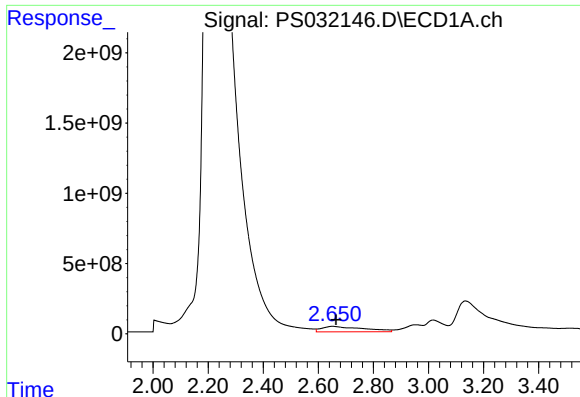
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102325\
Data File : PS032146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2025 15:49
Operator : AR\AJ
Sample : Q339902MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 04:42:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

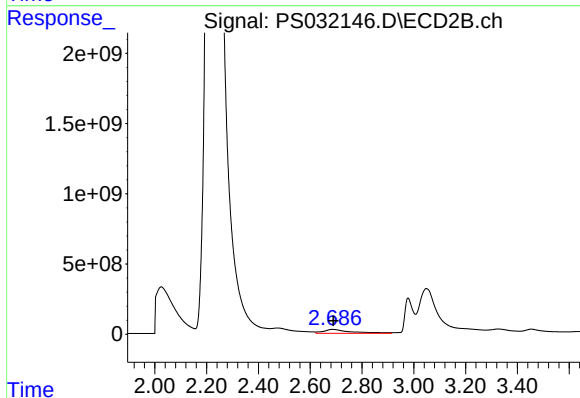




#1 Dalapon

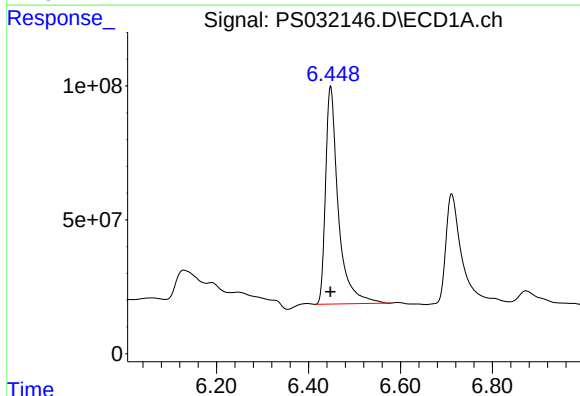
R.T.: 2.651 min
Delta R.T.: -0.014 min
Response: 4054734024
Conc: 524.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD



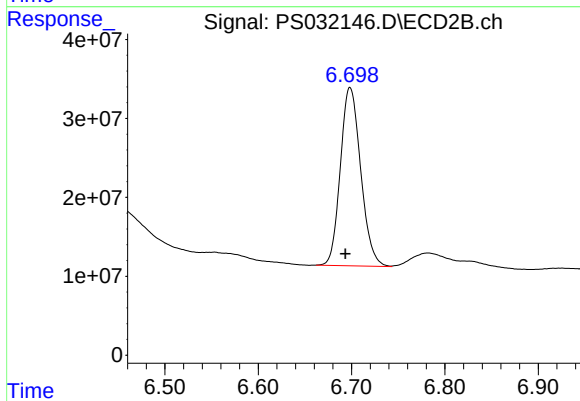
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: -0.002 min
Response: 2058773697
Conc: 547.80 ng/ml



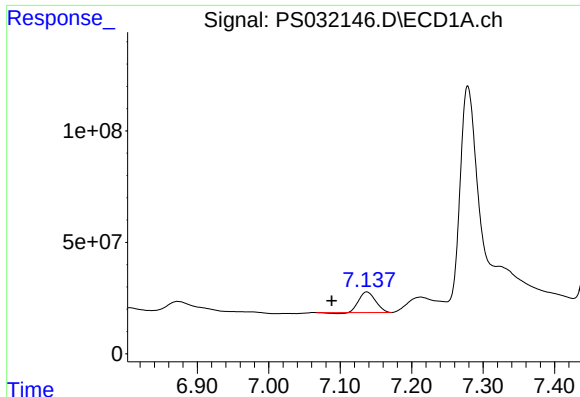
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 1565264369
Conc: 222.37 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

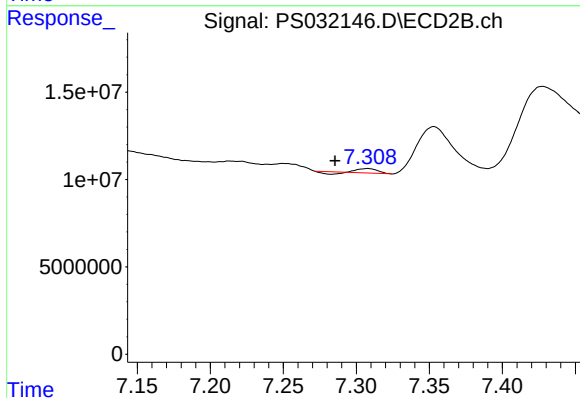
R.T.: 6.699 min
Delta R.T.: 0.005 min
Response: 342113938
Conc: 164.01 ng/ml



#3 4-Nitrophenol

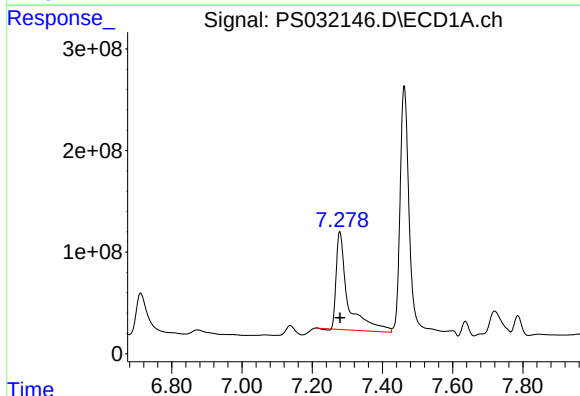
R.T.: 7.137 min
Delta R.T.: 0.049 min
Response: 146970467
Conc: 110.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD



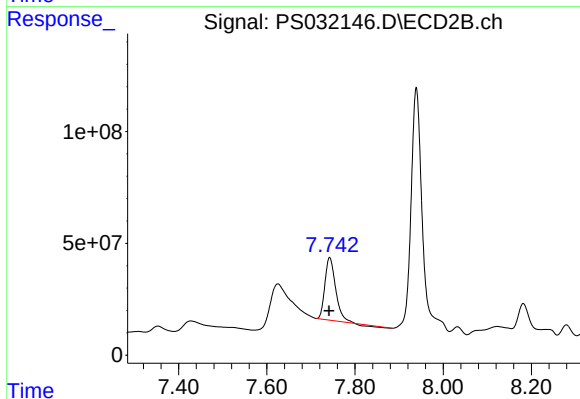
#3 4-Nitrophenol

R.T.: 7.307 min
Delta R.T.: 0.022 min
Response: 1549255
Conc: 1.02 ng/ml



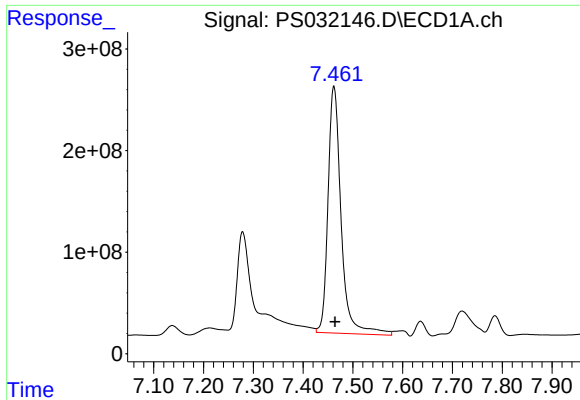
#4 2,4-DCAA

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 2245918648
Conc: 471.14 ng/ml



#4 2,4-DCAA

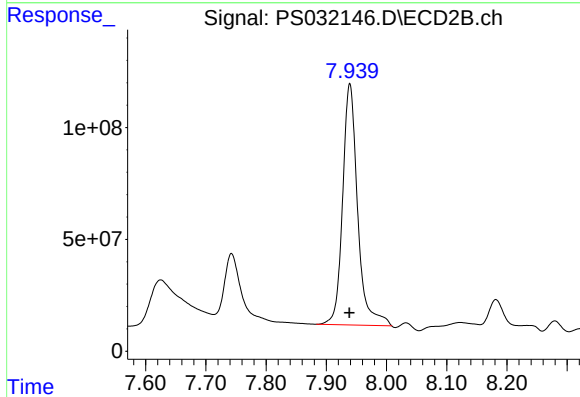
R.T.: 7.743 min
Delta R.T.: 0.002 min
Response: 462136972
Conc: 419.99 ng/ml



#5 DICAMBA

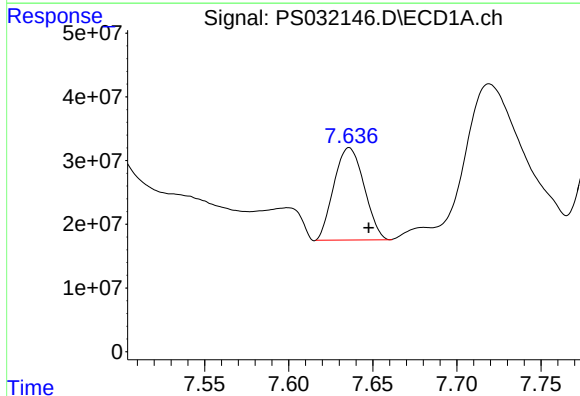
R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 4456776408
Conc: 212.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD



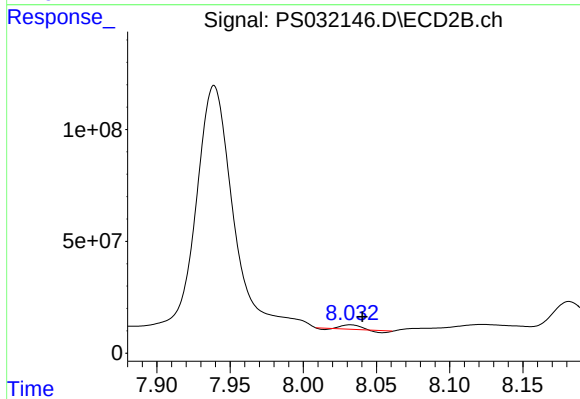
#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 1863730679
Conc: 215.19 ng/ml



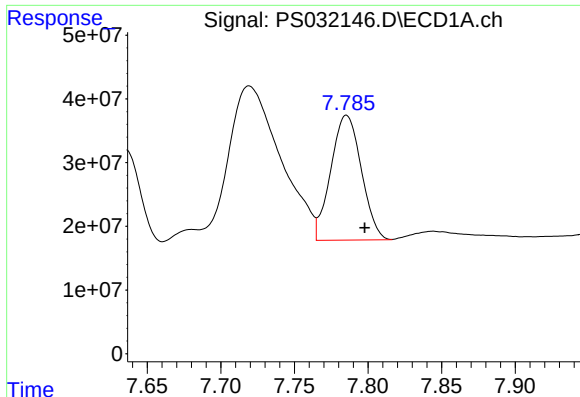
#6 MCP

R.T.: 7.636 min
Delta R.T.: -0.012 min
Response: 181419968
Conc: 14.84 ug/ml



#6 MCP

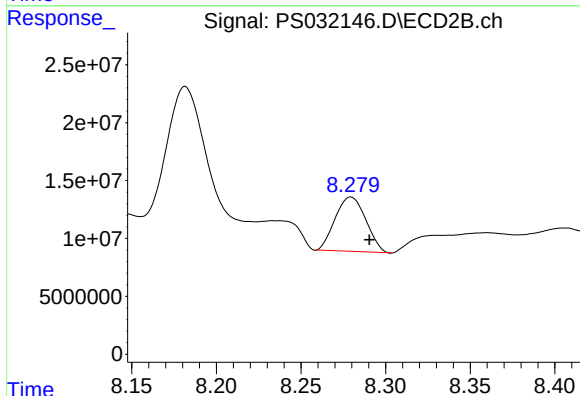
R.T.: 8.032 min
Delta R.T.: -0.008 min
Response: 6627486
Conc: 2.67 ug/ml



#7 MCPA

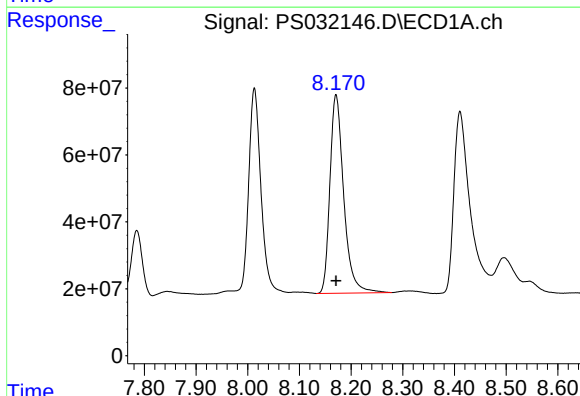
R.T.: 7.785 min
Delta R.T.: -0.012 min
Response: 283245649
Conc: 19.25 ug/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD



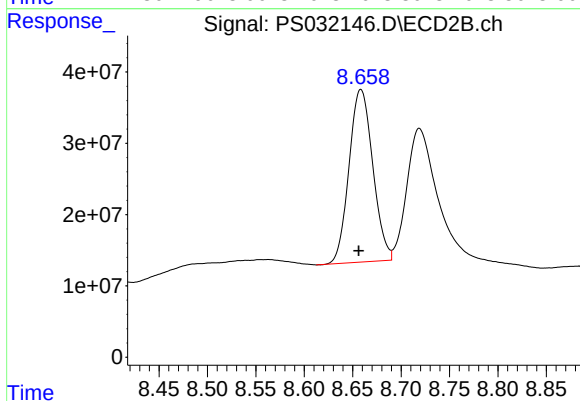
#7 MCPA

R.T.: 8.279 min
Delta R.T.: -0.011 min
Response: 59060165
Conc: 15.66 ug/ml



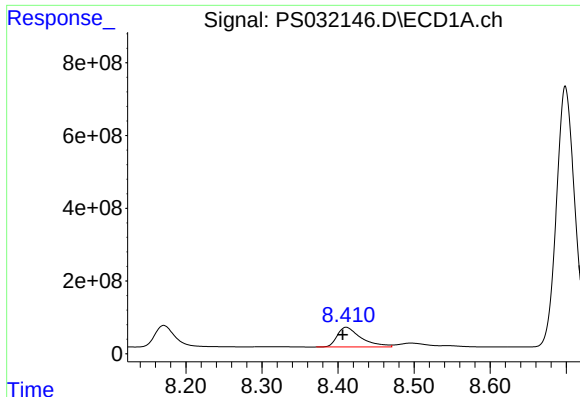
#8 DICHLORPROP

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 1100395268
Conc: 231.46 ng/ml



#8 DICHLORPROP

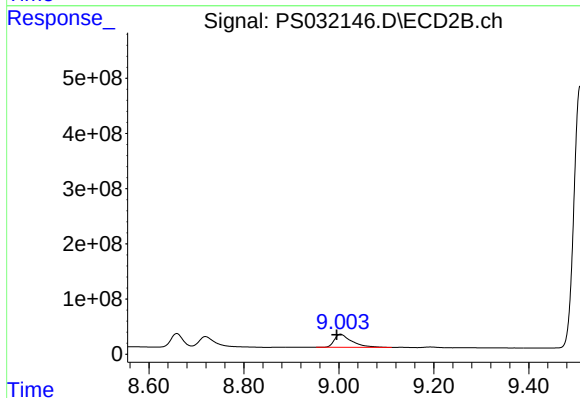
R.T.: 8.658 min
Delta R.T.: 0.002 min
Response: 413379363
Conc: 211.10 ng/ml



#9 2,4-D

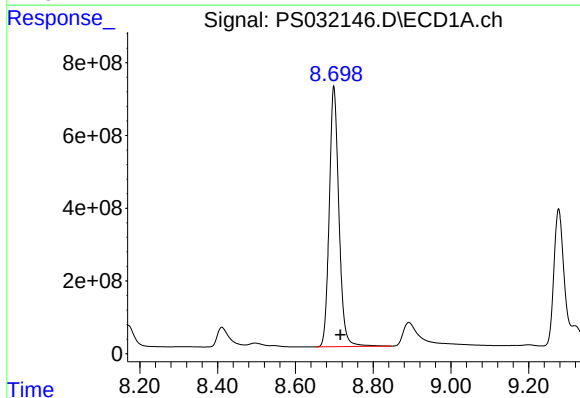
R.T.: 8.411 min
Delta R.T.: 0.005 min
Response: 1188636293
Conc: 244.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD



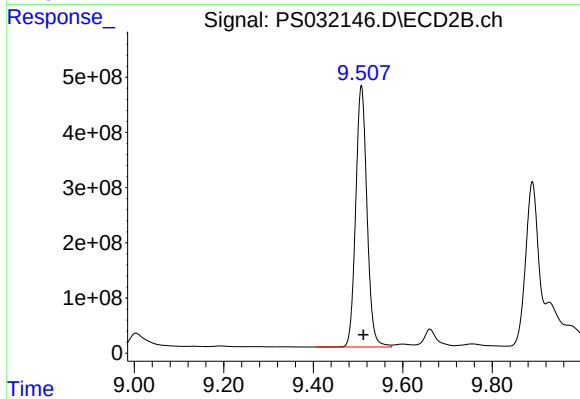
#9 2,4-D

R.T.: 9.003 min
Delta R.T.: 0.008 min
Response: 596953337
Conc: 287.23 ng/ml



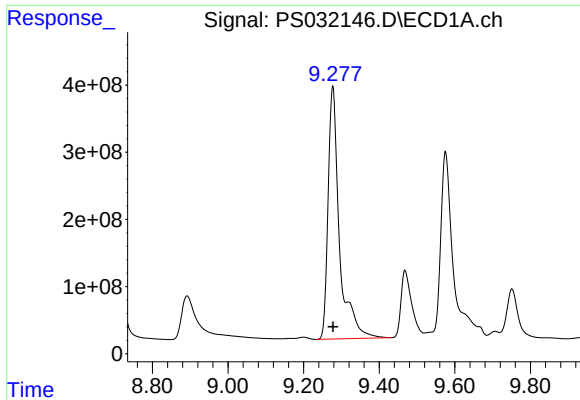
#10 Pentachlorophenol

R.T.: 8.699 min
Delta R.T.: -0.016 min
Response: 12351948873
Conc: 184.03 ng/ml



#10 Pentachlorophenol

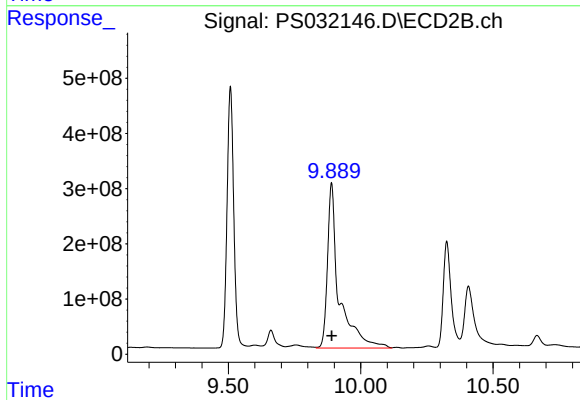
R.T.: 9.508 min
Delta R.T.: -0.005 min
Response: 8309103288
Conc: 160.33 ng/ml



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

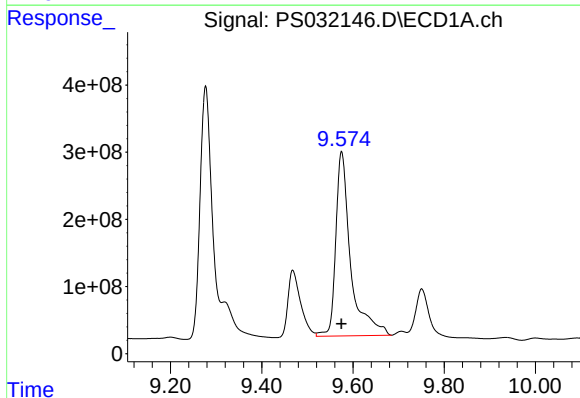
R.T.: 9.277 min
Delta R.T.: -0.001 min
Response: 7873607215
Conc: 278.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD



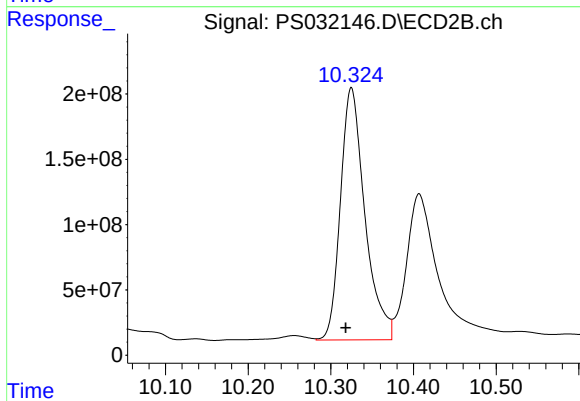
#11 2,4,5-TP (SILVEX)

R.T.: 9.890 min
Delta R.T.: 0.000 min
Response: 9162732188
Conc: 456.43 ng/ml



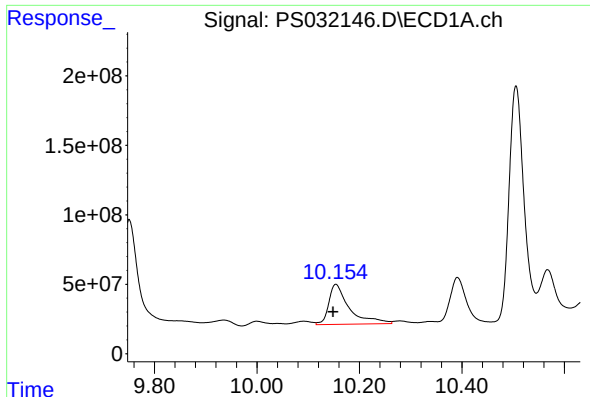
#12 2,4,5-T

R.T.: 9.575 min
Delta R.T.: 0.000 min
Response: 6234315644
Conc: 246.96 ng/ml



#12 2,4,5-T

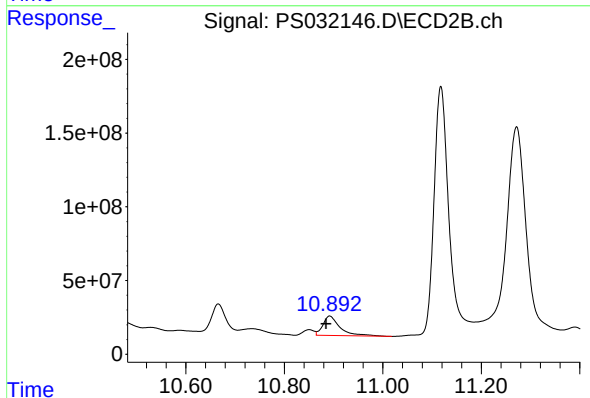
R.T.: 10.325 min
Delta R.T.: 0.007 min
Response: 3965775450
Conc: 231.31 ng/ml



#13 2,4-DB

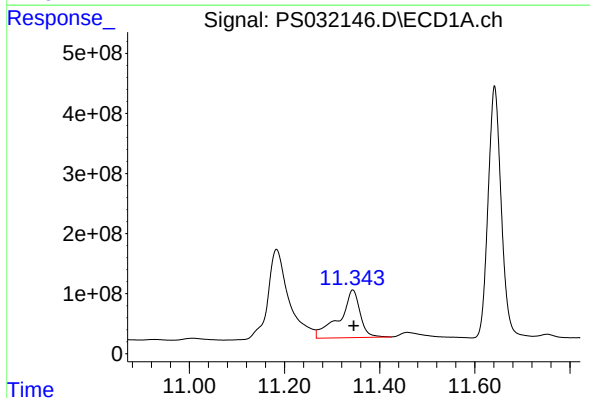
R.T.: 10.154 min
Delta R.T.: 0.005 min
Response: 805489220
Conc: 259.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD



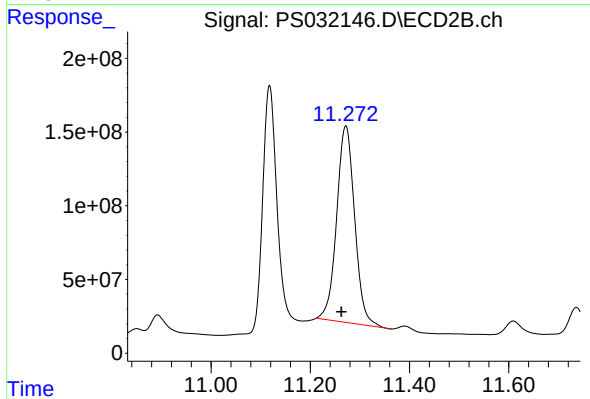
#13 2,4-DB

R.T.: 10.892 min
Delta R.T.: 0.007 min
Response: 318599055
Conc: 246.58 ng/ml



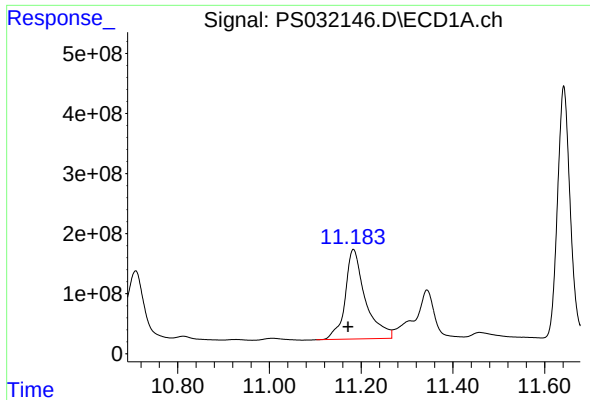
#14 DINOSEB

R.T.: 11.343 min
Delta R.T.: -0.003 min
Response: 2385746972
Conc: 106.98 ng/ml



#14 DINOSEB

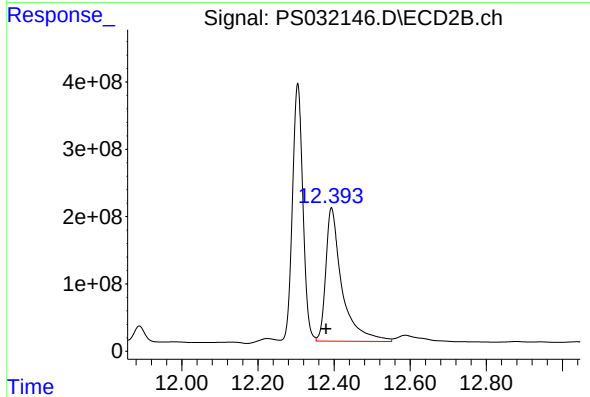
R.T.: 11.272 min
Delta R.T.: 0.009 min
Response: 3360451353
Conc: 221.04 ng/ml



#15 Picloram

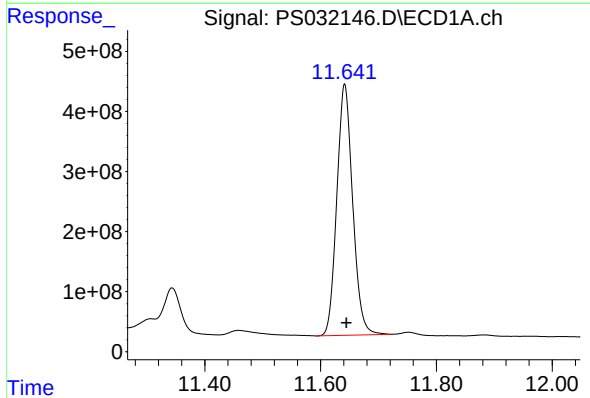
R.T.: 11.183 min
Delta R.T.: 0.011 min
Response: 4555537380
Conc: 193.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
COMP-ROLLOFFMSD



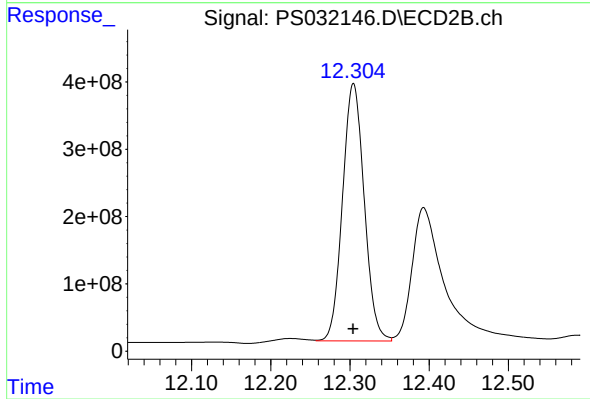
#15 Picloram

R.T.: 12.393 min
Delta R.T.: 0.014 min
Response: 5843075294
Conc: 175.51 ng/ml



#16 DCPA

R.T.: 11.642 min
Delta R.T.: -0.003 min
Response: 7955163606
Conc: 216.52 ng/ml



#16 DCPA

R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 7281123210
Conc: 219.23 ng/ml