



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

Cover Page

Order ID : Q3321

Project ID : RFP 918

Client : Weston Solutions, Inc.

Lab Sample Number

Q3321-01
Q3321-02

Client Sample Number

P001-DS-01
P001-DS-01

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

Signature : _____

Date: 10/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3321

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PATEL VAISHALI

Date: 10/17/2025

LAB CHRONICLE

OrderID:	Q3321	OrderDate:	10/9/2025 10:30:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 918
Contact:	Smita Sumbaly	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3321-01	P001-DS-01	SOIL	PCB	8082A	10/08/25	10/10/25	10/10/25	10/09/25
			Pesticide-TCL	8081B		10/10/25	10/10/25	
Q3321-02	P001-DS-01	TCLP	TCLP Herbicide	8151A	10/08/25	10/14/25	10/14/25	10/09/25
			TCLP Pesticide	8081B		10/14/25	10/14/25	
Q3321-02RE	P001-DS-01RE	TCLP	TCLP Herbicide	8151A	10/08/25	10/14/25	10/16/25	10/09/25



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Hit Summary Sheet
SW-846

SDG No.: Q3321

Order ID: Q3321

Client: Weston Solutions, Inc.

Project ID: RFP 918

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

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: Q3321

Client: Weston Solutions, 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		61	136
		2,4-DCAA	2	500	407	81		61	136
I.BLK-PS032013.D	PIBLK-PS032013.D	2,4-DCAA	1	500	350	70		61	136
		2,4-DCAA	2	500	425	85		61	136
PB170090BL	PB170090BL	2,4-DCAA	1	500	379	76		61	136
		2,4-DCAA	2	500	503	101		61	136
PB170090BS	PB170090BS	2,4-DCAA	1	500	544	109		61	136
		2,4-DCAA	2	500	554	111		61	136
Q3321-02	P001-DS-01	2,4-DCAA	1	500	259	52	*	61	136
		2,4-DCAA	2	500	282	56	*	61	136
Q3321-02MS	P001-DS-01MS	2,4-DCAA	1	500	178	36	*	61	136
		2,4-DCAA	2	500	361	72		61	136
Q3321-02MSD	P001-DS-01MSD	2,4-DCAA	1	500	182	36	*	61	136
		2,4-DCAA	2	500	350	70		61	136
I.BLK-PS032021.D	PIBLK-PS032021.D	2,4-DCAA	1	500	339	68		61	136
		2,4-DCAA	2	500	417	83		61	136
I.BLK-PS032054.D	PIBLK-PS032054.D	2,4-DCAA	1	500	345	69		61	136
		2,4-DCAA	2	500	443	89		61	136
Q3321-02RE	P001-DS-01RE	2,4-DCAA	1	500	248	50	*	61	136
		2,4-DCAA	2	500	276	55	*	61	136
PB170062TB	PB170062TB	2,4-DCAA	1	500	385	77		61	136
		2,4-DCAA	2	500	491	98		61	136
I.BLK-PS032064.D	PIBLK-PS032064.D	2,4-DCAA	1	500	379	76		61	136
		2,4-DCAA	2	500	463	93		61	136

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PS032019.D</u>

		Sample					Rec		RPD		Limits	
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3321-02MS	Client Sample ID:		P001-DS-01MS								
	(Column 1)											
	2,4-D	50	0	17.5	ug/L	35	*			65	135	
	2,4,5-TP(Silvex)	50	0	24.8	ug/L	50	*			62	139	
Lab Sample ID:	Q3321-02MS	Client Sample ID:		P001-DS-01MS								
	(Column 2)											
	2,4-D	50	0	0	ug/L	0	*			65	135	
	2,4,5-TP(Silvex)	50	0	21.4	ug/L	43	*			62	139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PS032020.D</u>

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3321-02MSD (Column 1)	Client Sample ID: P001-DS-01MSD										
	2,4-D	50	0	15.8	ug/L	32	*	9		65	135	20
	2,4,5-TP(Silvex)	50	0	25.5	ug/L	51	*	2		62	139	20
Lab Sample ID:	Q3321-02MSD (Column 2)	Client Sample ID: P001-DS-01MSD										
	2,4-D	50	0	0	ug/L	0	*	0		65	135	20
	2,4,5-TP(Silvex)	50	0	21.6	ug/L	43	*	0		62	139	20



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>8151A</u>
Client:	<u>Weston Solutions, Inc.</u>	Datafile :	<u>PS032016.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB170090BS (Column 1)	2,4-D	5	5.30	ug/L	106				83	130	
	2,4,5-TP(Silvex)	5	5.10	ug/L	102				78	127	
PB170090BS (Column 2)	2,4-D	5	5.10	ug/L	102				83	130	
	2,4,5-TP(Silvex)	5	5.20	ug/L	104				78	127	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170090BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: PB170090BL

Lab File ID: PS032015.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/14/2025

Date Analyzed (1): 10/14/2025

Date Analyzed (2): 10/14/2025

Time Analyzed (1): 22:20

Time Analyzed (2): 22:20

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
PB170090BS	PB170090BS	PS032016.D	10/14/2025	10/14/2025
P001-DS-01	Q3321-02	PS032018.D	10/14/2025	10/14/2025
P001-DS-01MS	Q3321-02MS	PS032019.D	10/14/2025	10/14/2025
P001-DS-01MSD	Q3321-02MSD	PS032020.D	10/15/2025	10/15/2025
PB170062TB	PB170062TB	PS032063.D	10/16/2025	10/16/2025

COMMENTS: _____



SAMPLE DATA



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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	10/14/25
Client Sample ID:	PB170062TB		SDG No.:	Q3321
Lab Sample ID:	PB170062TB		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/14/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	10/16/25 17:04	PB170090
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	10/16/25 17:04	PB170090
SURROGATES									
19719-28-9	2,4-DCAA	491			61 - 136	98%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101625\
Data File : PS032063.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2025 17:04
Operator : AR\AJ
Sample : PB170062TB
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170062TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 04:01:02 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	7.744	1836.3E6	540.0E6	385.217	490.728 #

Target Compounds

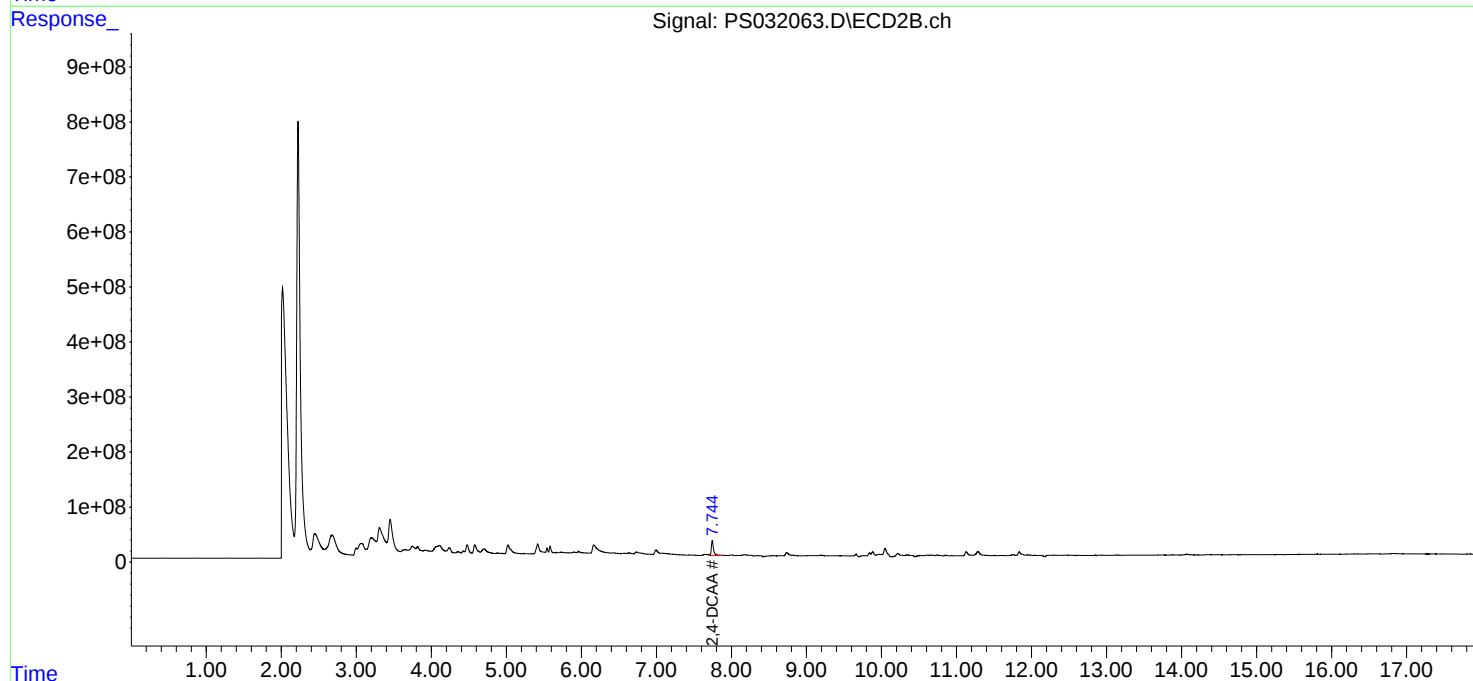
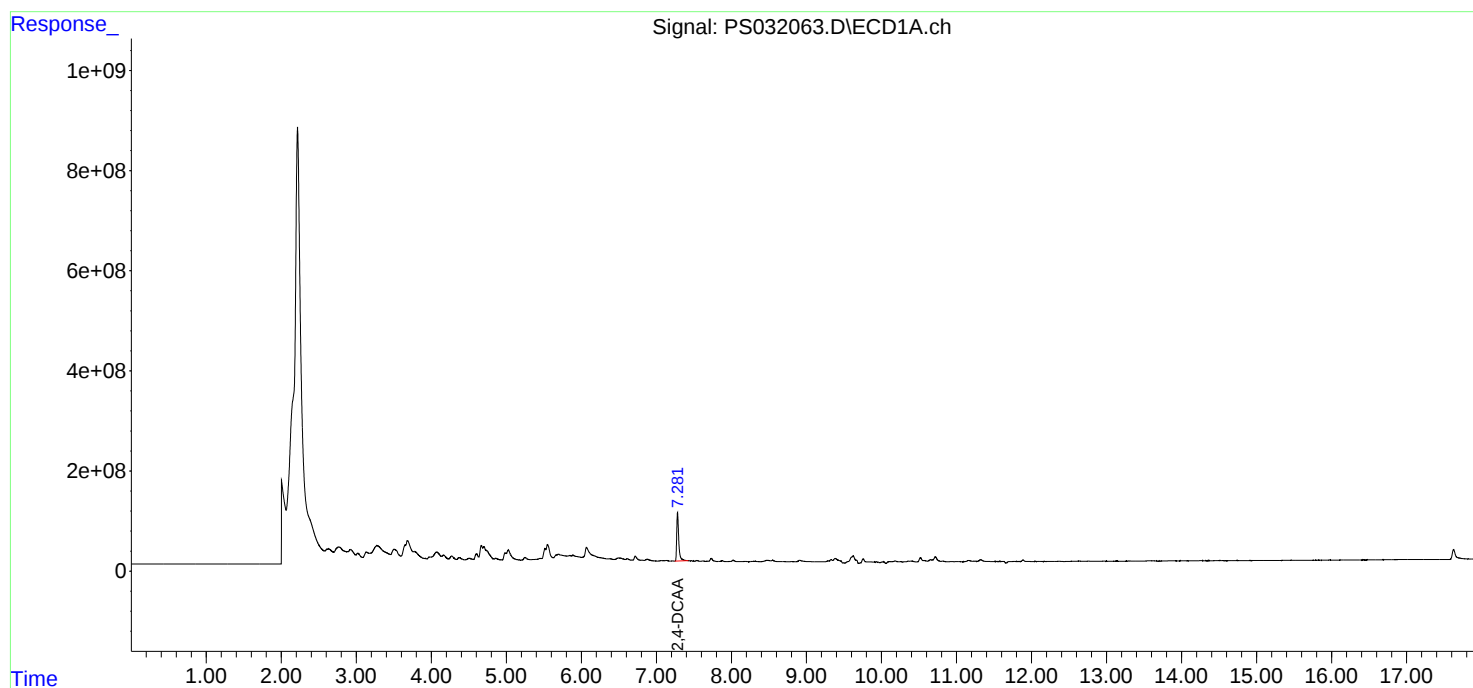
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

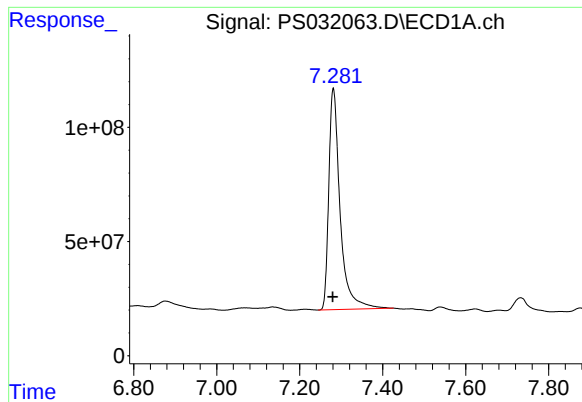
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101625\
Data File : PS032063.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2025 17:04
Operator : AR\AJ
Sample : PB170062TB
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170062TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 04:01:02 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

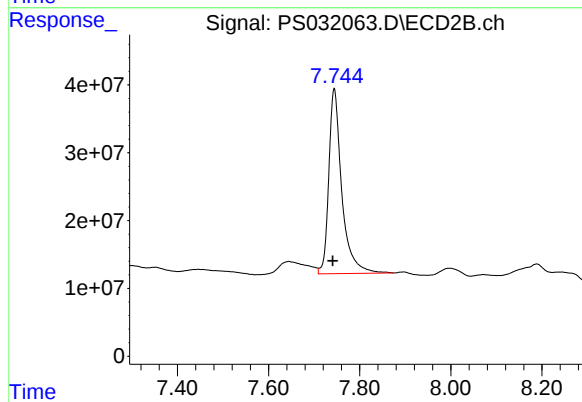




#4 2,4-DCAA

R.T.: 7.281 min
Delta R.T.: 0.002 min
Response: 1836343632
Conc: 385.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170062TB



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: 0.003 min
Response: 539967686
Conc: 490.73 ng/ml



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Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/08/25
Project:	RFP 918		Date Received:	10/09/25
Client Sample ID:	P001-DS-01		SDG No.:	Q3321
Lab Sample ID:	Q3321-02		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/14/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	10/14/25 23:33	PB170090
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	10/14/25 23:33	PB170090
SURROGATES									
19719-28-9	2,4-DCAA	282	*		61 - 136	56%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
 Data File : PS032018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 23:33
 Operator : AR\AJ
 Sample : Q3321-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 P001-DS-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 03:24:57 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	7.784f	1235.2E6	310.6E6	259.119m	282.276

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
Data File : PS032018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 23:33
Operator : AR\AJ
Sample : Q3321-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

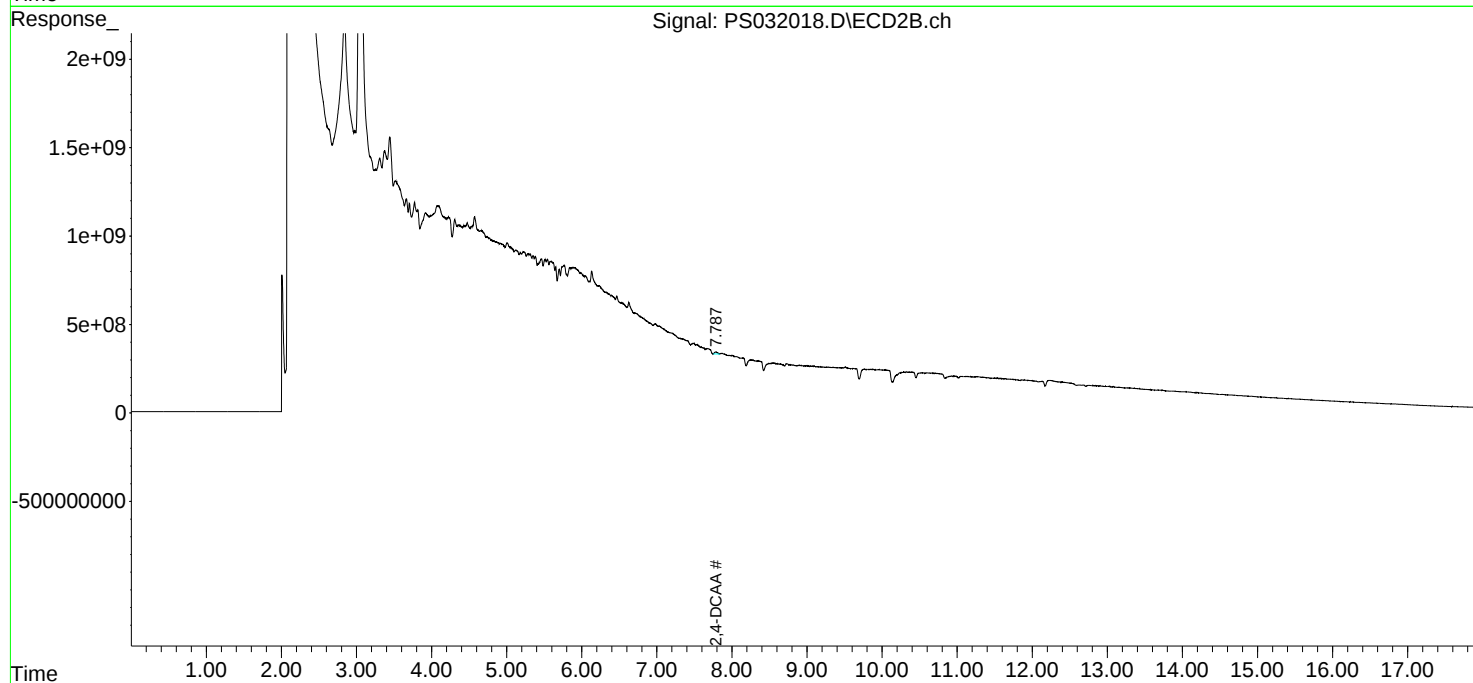
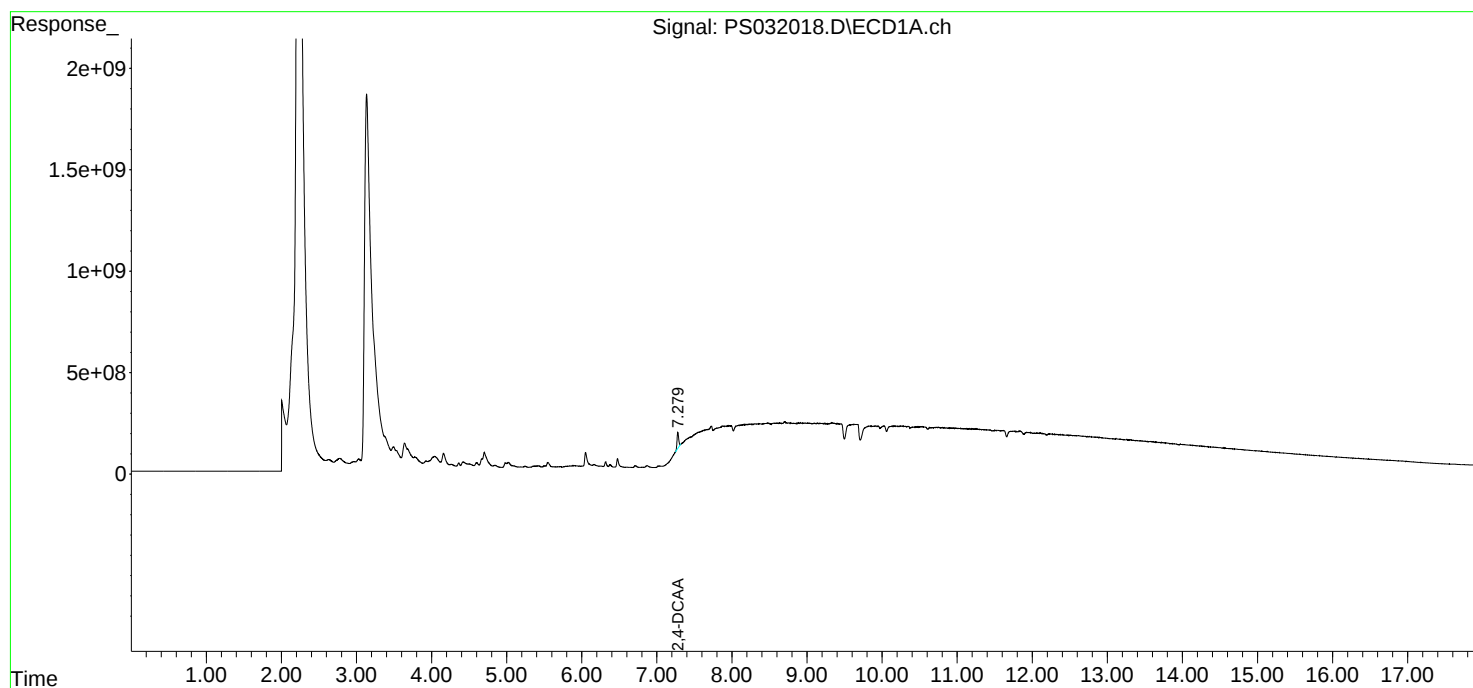
Instrument :
ECD_S
ClientSampleId :
P001-DS-01

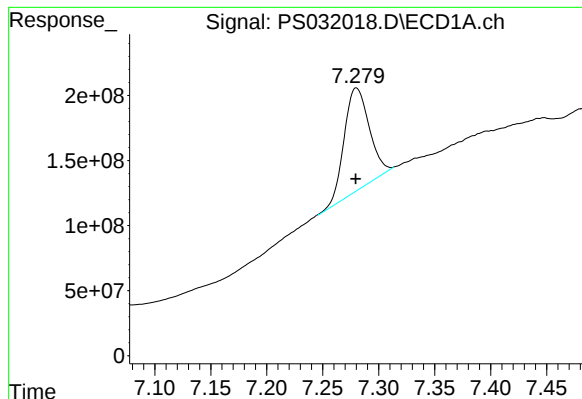
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/15/2025
Supervised By : mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:24:57 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





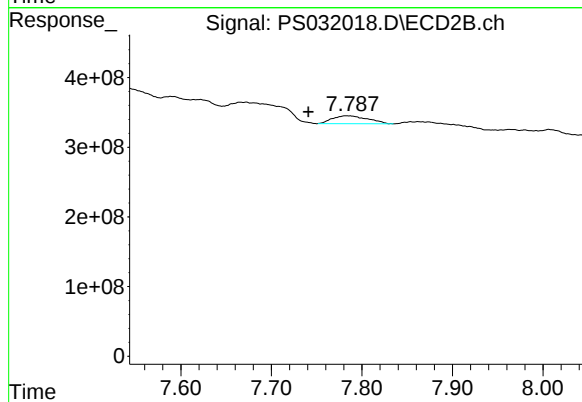
#4 2,4-DCAA

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 1235229747
Conc: 259.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



#4 2,4-DCAA

R.T.: 7.784 min
Delta R.T.: 0.043 min
Response: 310599865
Conc: 282.28 ng/ml



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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/08/25
Project:	RFP 918		Date Received:	10/09/25
Client Sample ID:	P001-DS-01RE		SDG No.:	Q3321
Lab Sample ID:	Q3321-02RE		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	8151A	Prep Date	10/14/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	9.20	U	1	9.20	20.0	ug/L	10/16/25 13:01	PB170090
93-72-1	2,4,5-TP (Silvex)	7.80	U	1	7.80	20.0	ug/L	10/16/25 13:01	PB170090
SURROGATES									
19719-28-9	2,4-DCAA	276	*		61 - 136	55%	SPK: 500		

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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\PS101625\
Data File : PS032058.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2025 13:01
Operator : AR\AJ
Sample : Q3321-02RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
P001-DS-01RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 13:21:55 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	7.778f	1182.7E6	303.9E6	248.102	276.224

Target Compounds

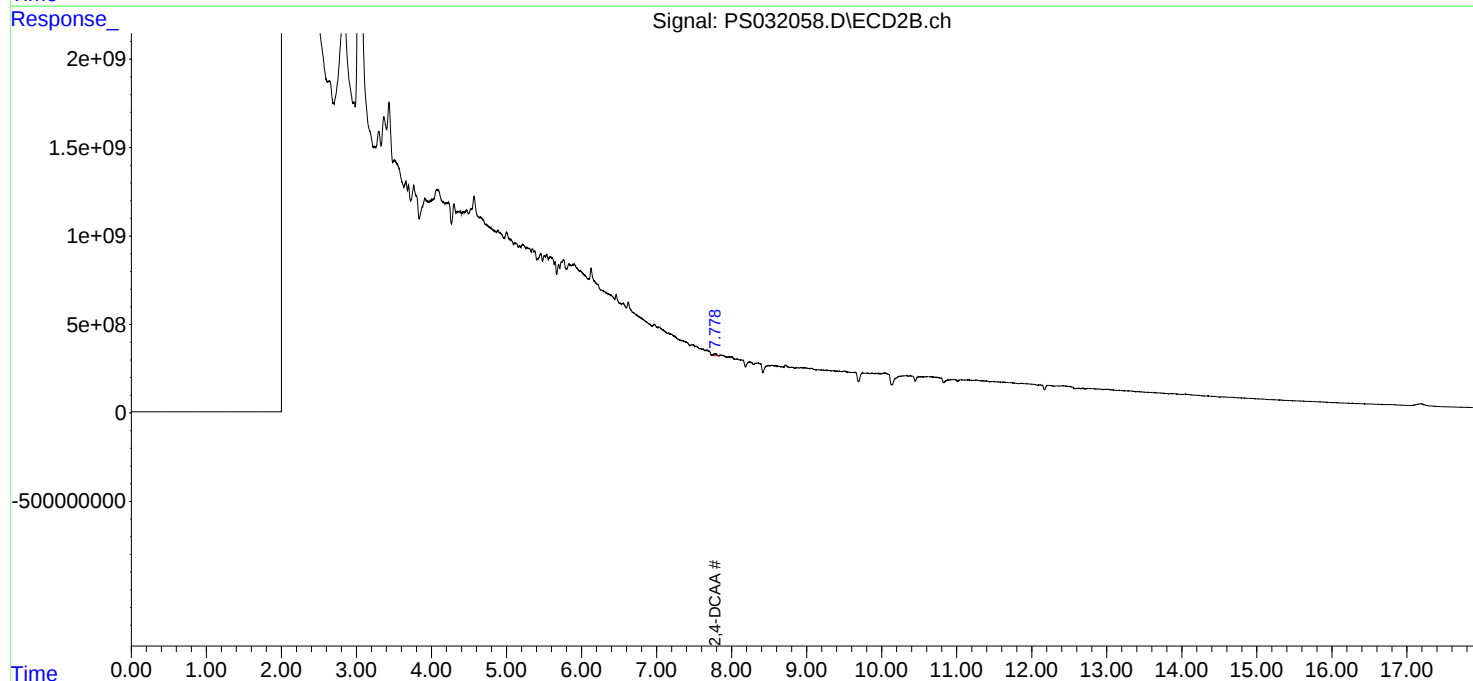
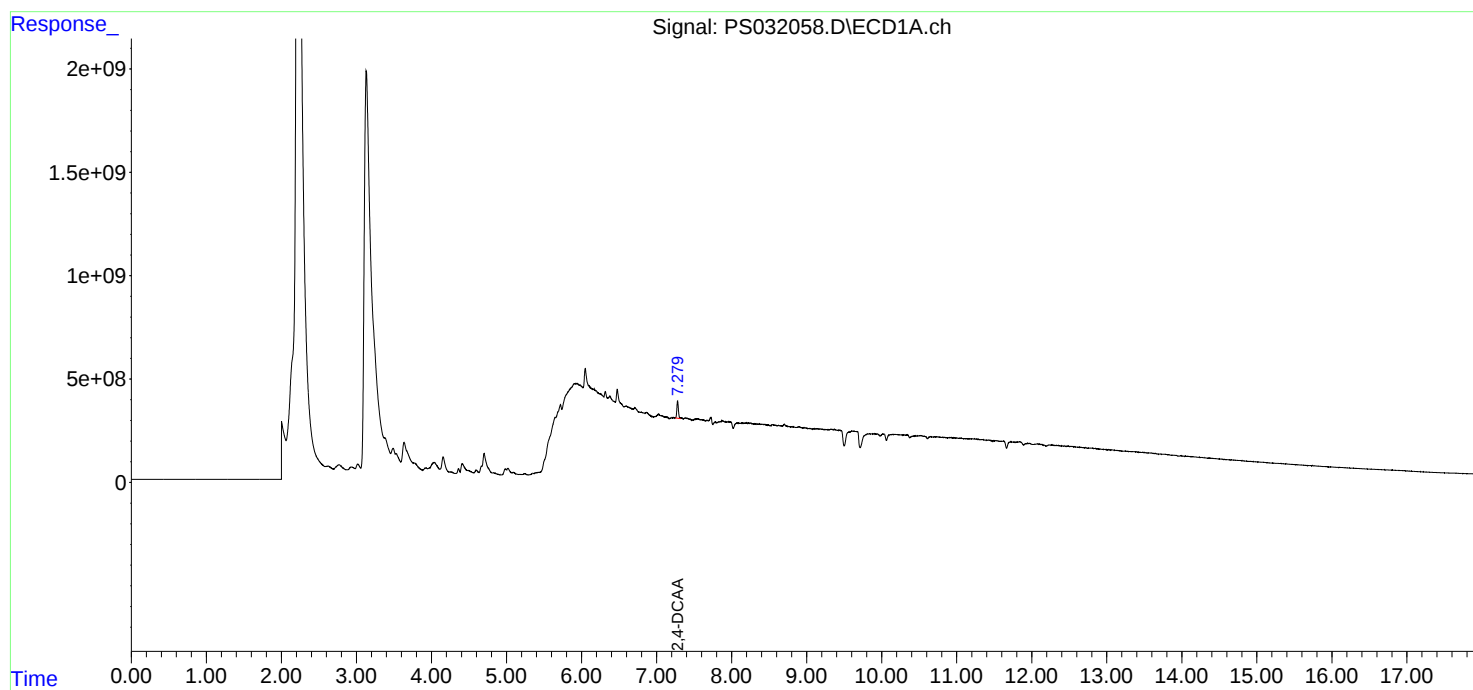
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

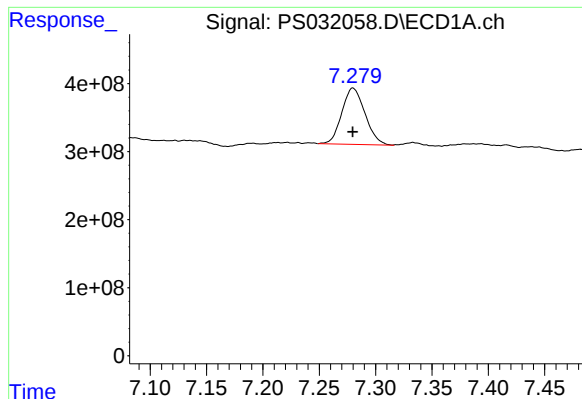
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101625\
Data File : PS032058.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2025 13:01
Operator : AR\AJ
Sample : Q3321-02RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
P001-DS-01RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 13:21:55 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

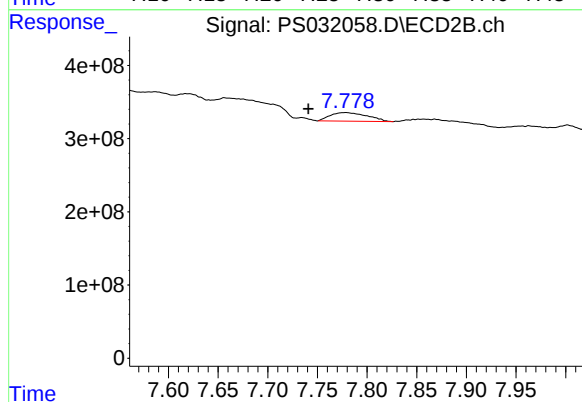




#4 2,4-DCAA

R.T.: 7.280 min
Delta R.T.: 0.000 min
Response: 1182711405
Conc: 248.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01RE



#4 2,4-DCAA

R.T.: 7.778 min
Delta R.T.: 0.037 min
Response: 303940308
Conc: 276.22 ng/ml



CALIBRATION SUMMARY

Calibration Times: 10:53 12:29

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3321</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

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Instrument ID: ECD_S

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

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Instrument ID: ECD_S

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

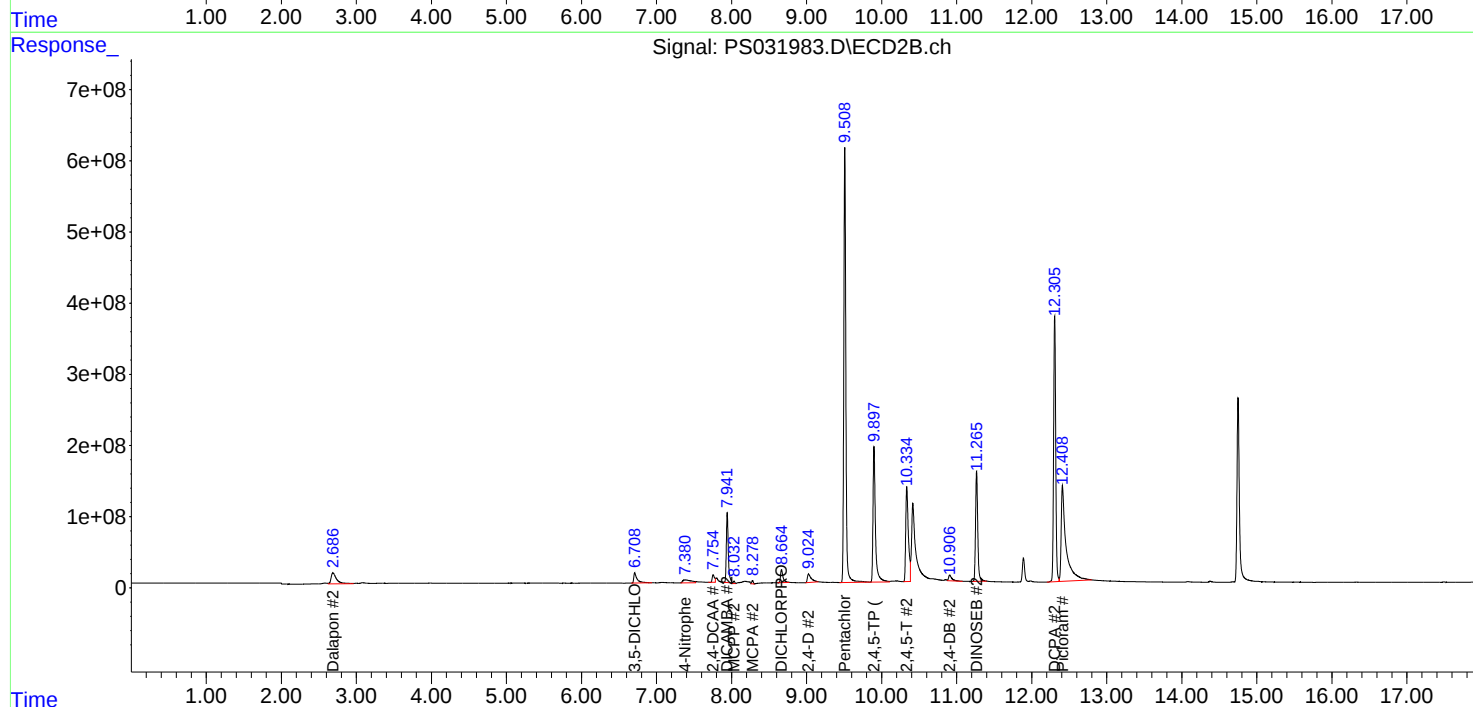
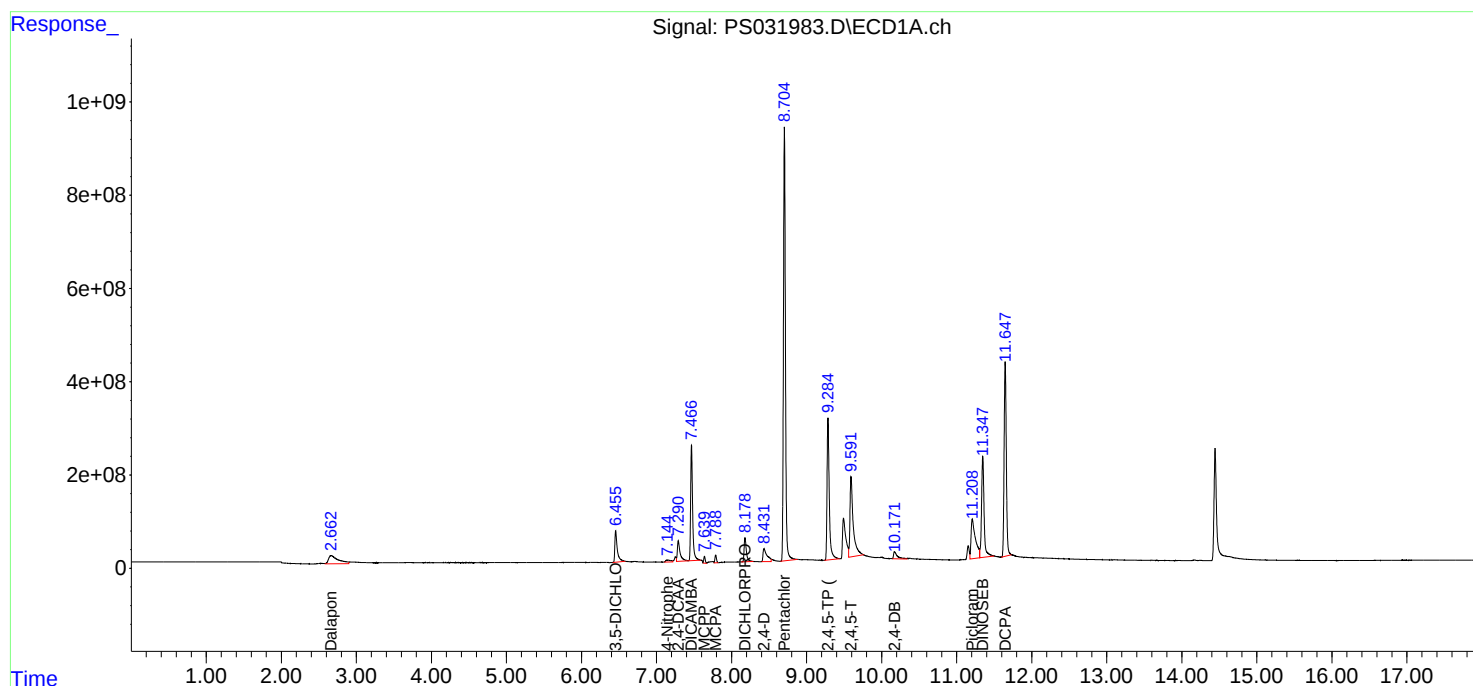
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

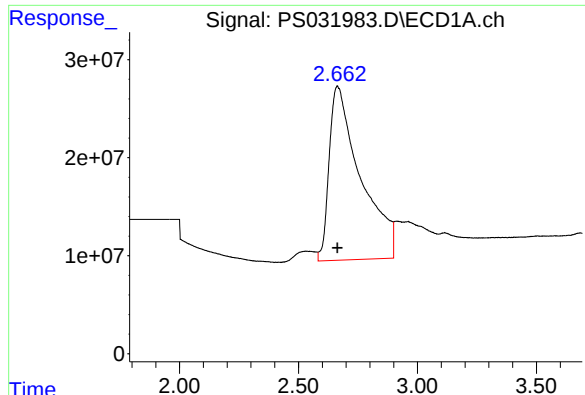
Manual Integrations
APPROVED

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





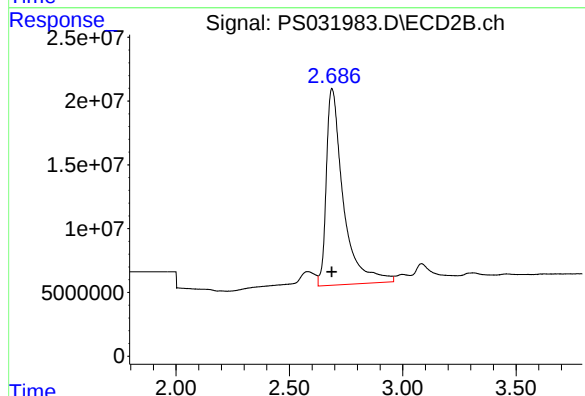
#1 Dalapon

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

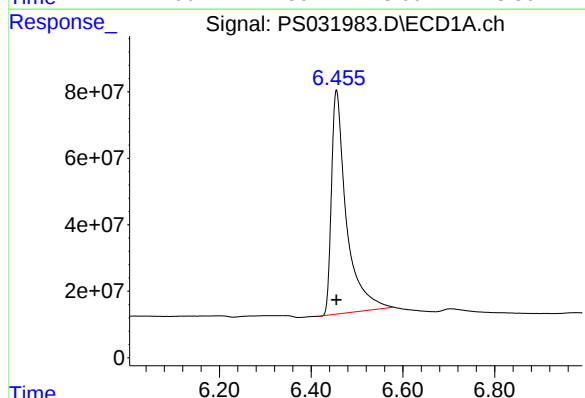
Manual Integrations
APPROVED

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



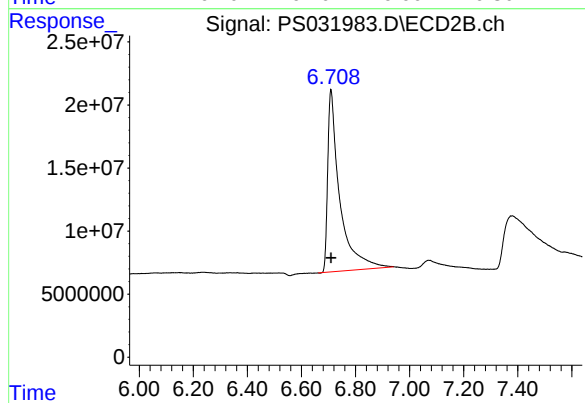
#1 Dalapon

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



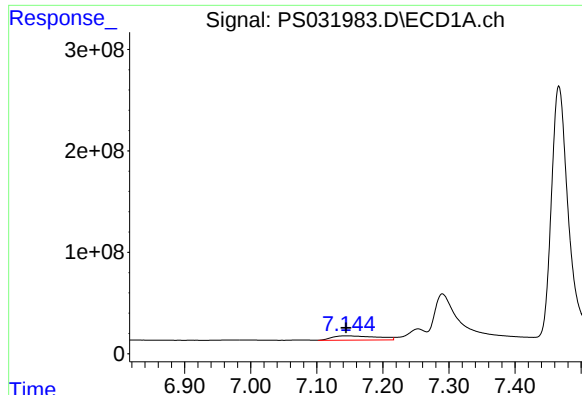
#2 3,5-DICHLOROBENZOIC ACID

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



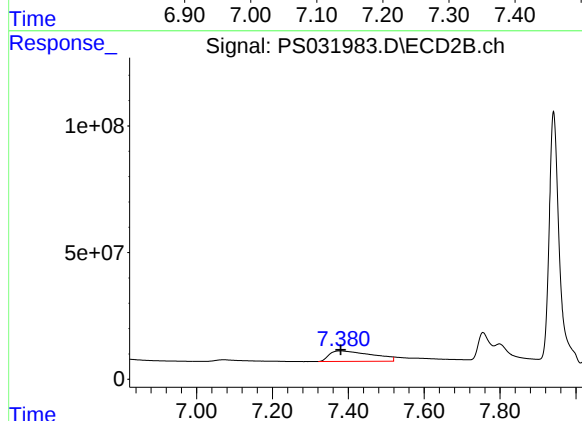
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

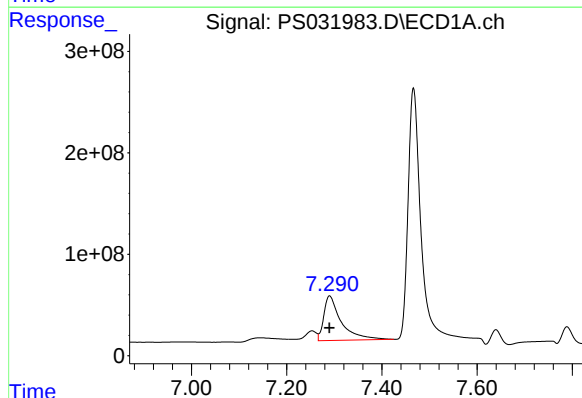
Manual Integrations
APPROVED

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



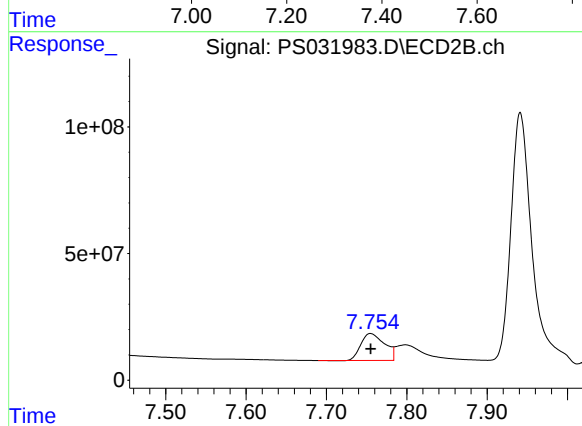
#3 4-Nitrophenol

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



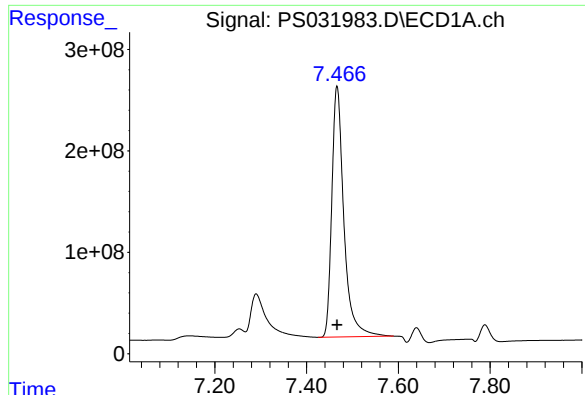
#4 2,4-DCAA

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



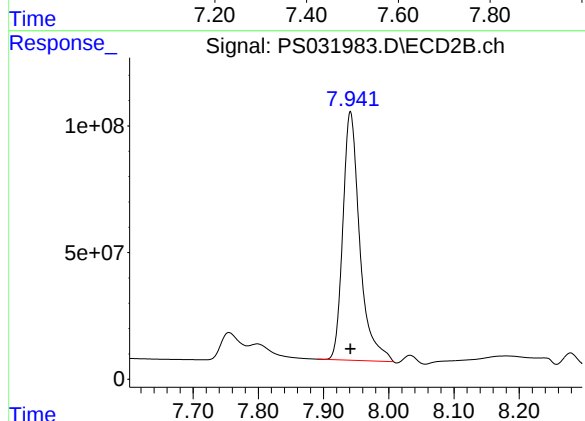
#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

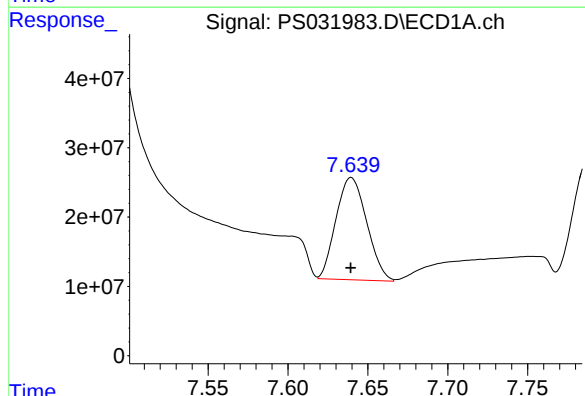
Manual Integrations
APPROVED

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



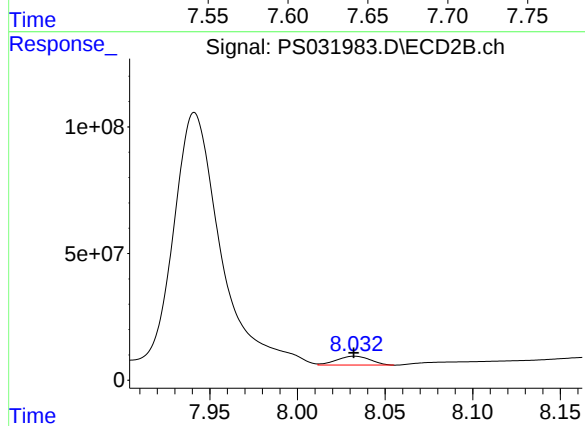
#5 DICAMBA

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



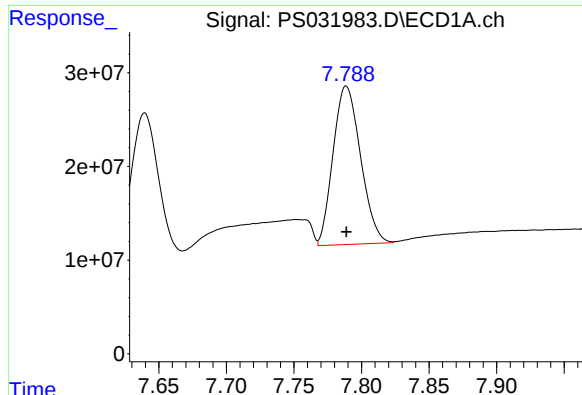
#6 MCPP

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



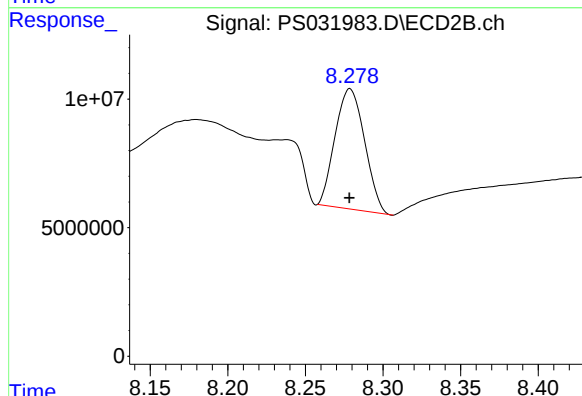
#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

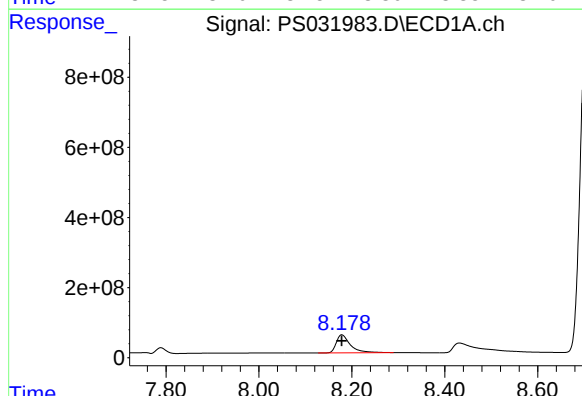
Manual Integrations
APPROVED

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



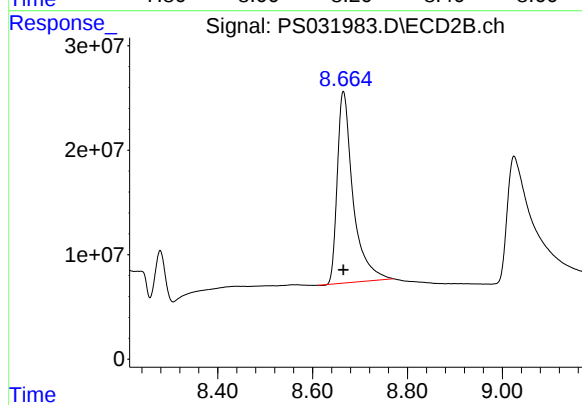
#7 MCPA

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



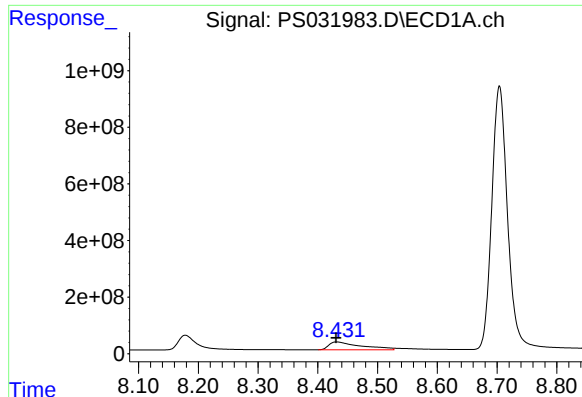
#8 DICHLORPROP

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



#8 DICHLORPROP

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



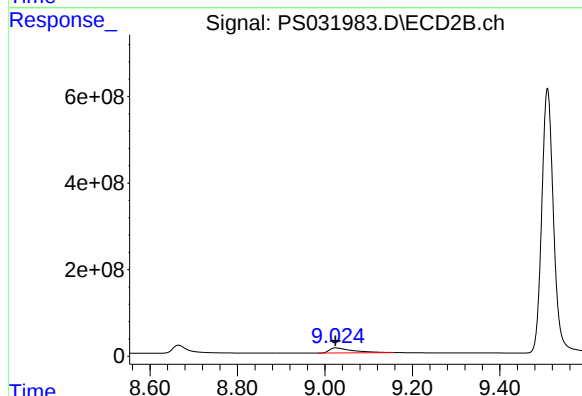
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

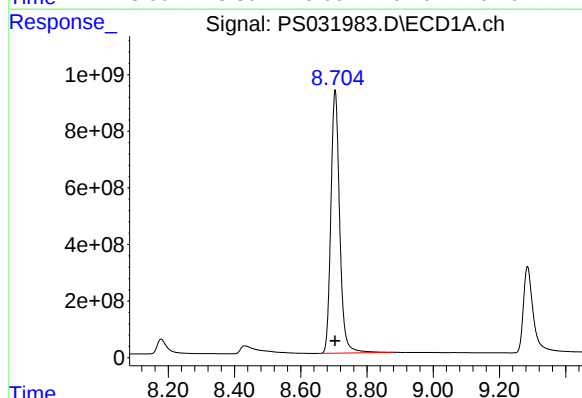
Manual Integrations
APPROVED

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



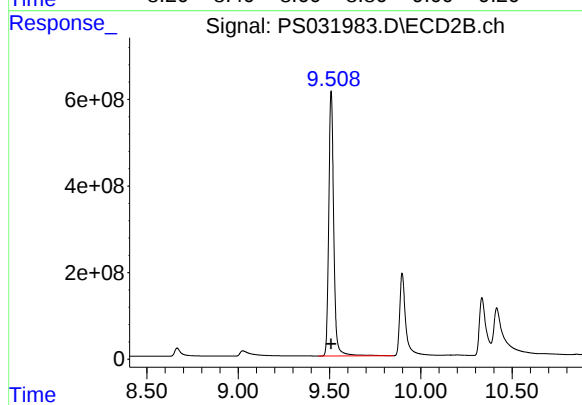
#9 2,4-D

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

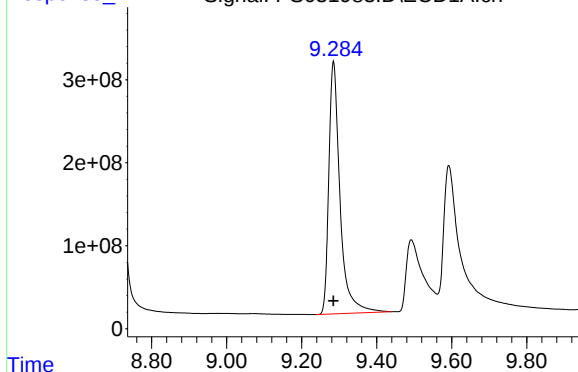
R.T.: 9.509 min
Delta R.T.: 0.000 min
Response: 11627954079
Conc: 202.08 ng/ml

Response_

Signal: PS031983.D\ECD1A.ch

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

ICAL Form



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

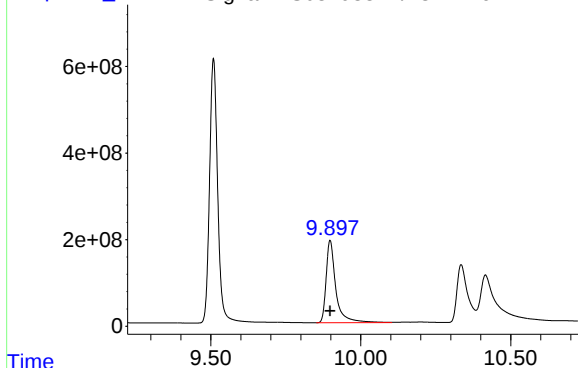
Supervised By :mohammad ahmed 10/15/2025

Time

Response_

Signal: PS031983.D\ECD2B.ch

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



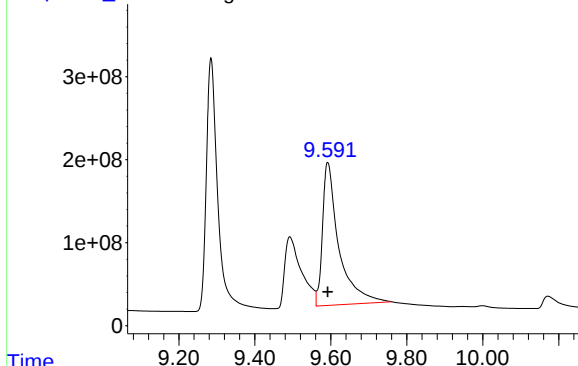
R.T.: 9.898 min
Delta R.T.: 0.000 min
Response: 4299076320
Conc: 203.39 ng/ml

Time

Response_

Signal: PS031983.D\ECD1A.ch

#12 2,4,5-T



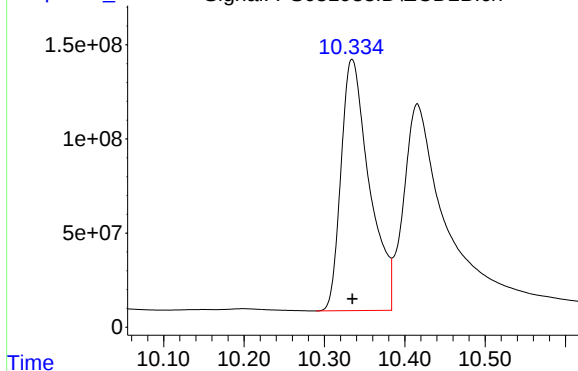
R.T.: 9.592 min
Delta R.T.: 0.000 min
Response: 5155564297
Conc: 196.33 ng/ml

Time

Response_

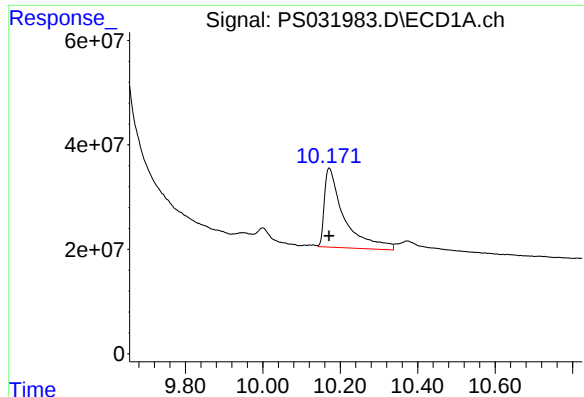
Signal: PS031983.D\ECD2B.ch

#12 2,4,5-T



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

Time



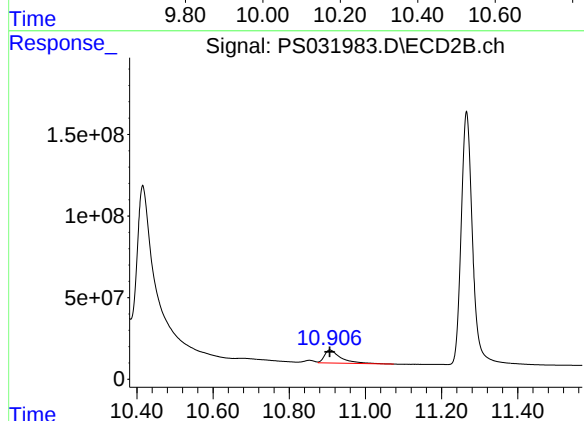
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

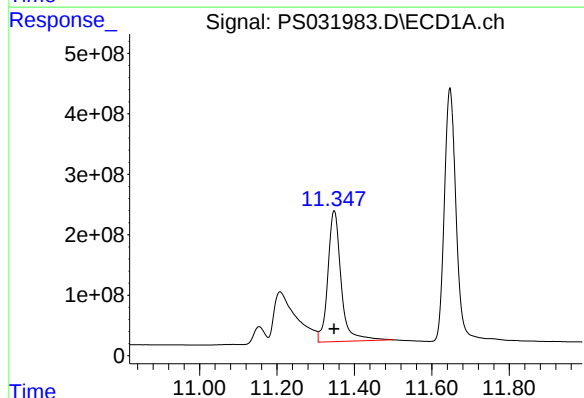
Manual Integrations
APPROVED

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



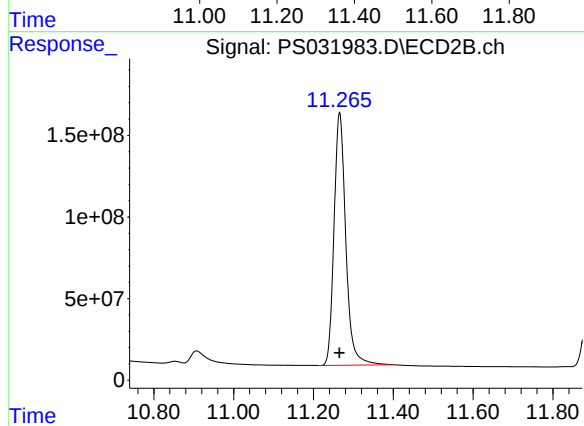
#13 2,4-DB

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



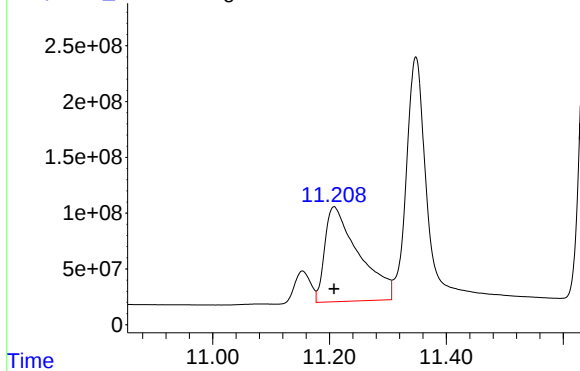
#14 DINOSEB

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

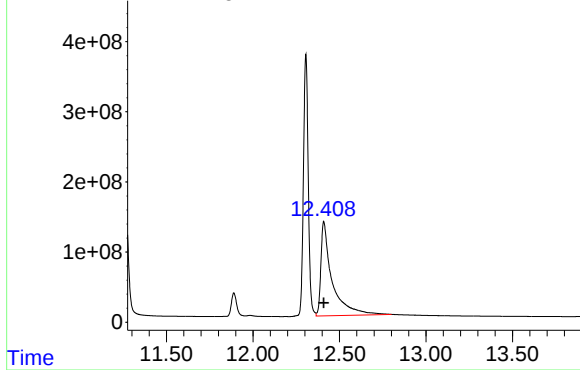


R.T.: 11.208 min
Delta R.T.: 0.000 min
Response: 3438645222
Conc: 154.59 ng/ml

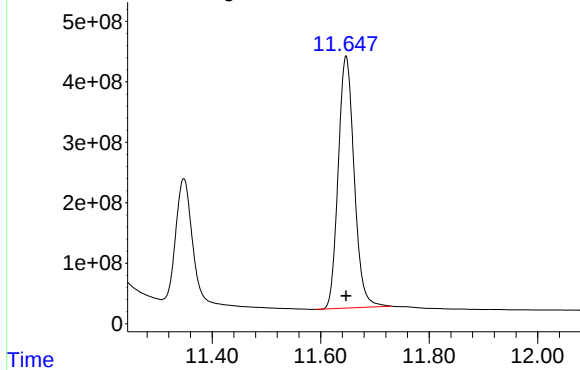
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations
APPROVED

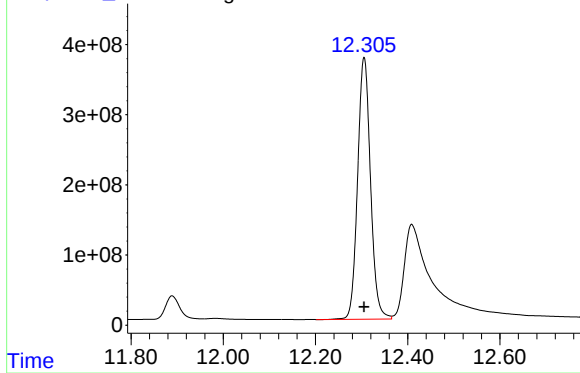
Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025



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

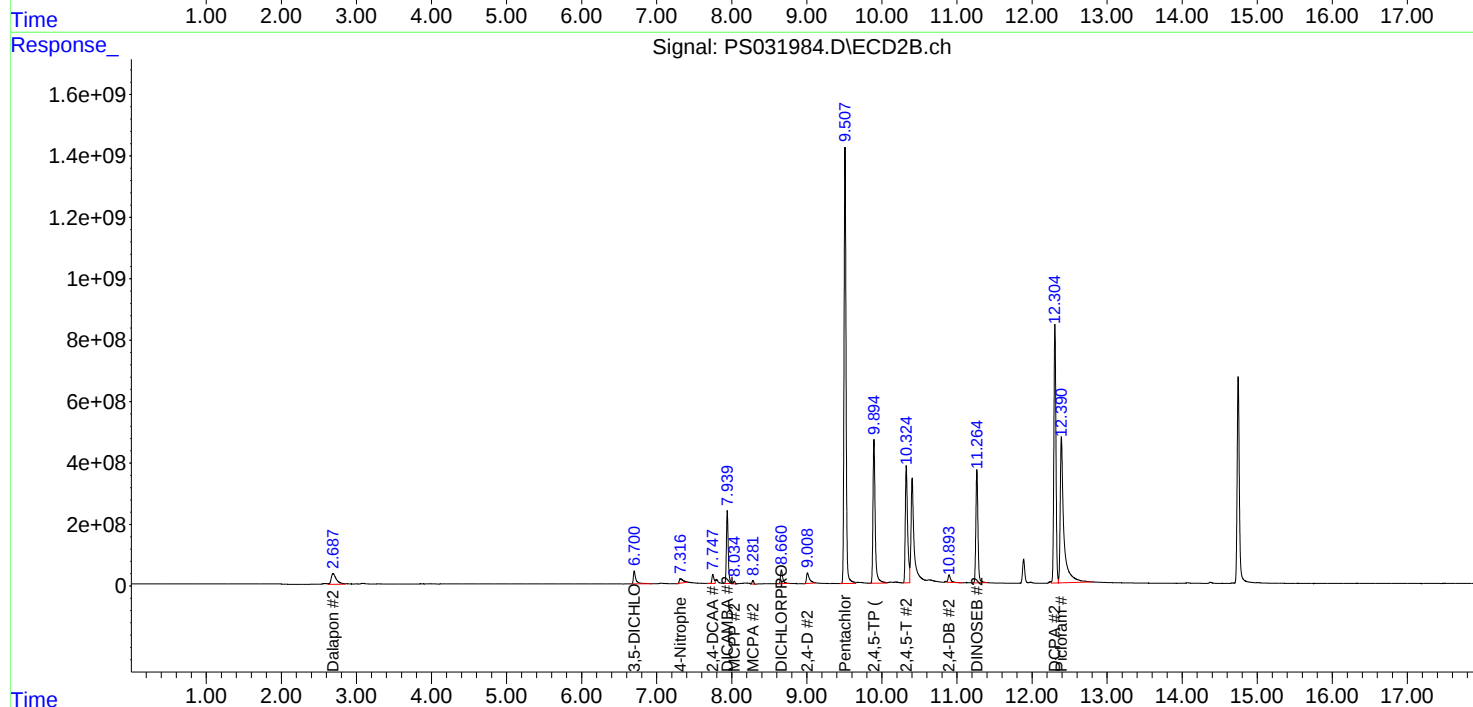
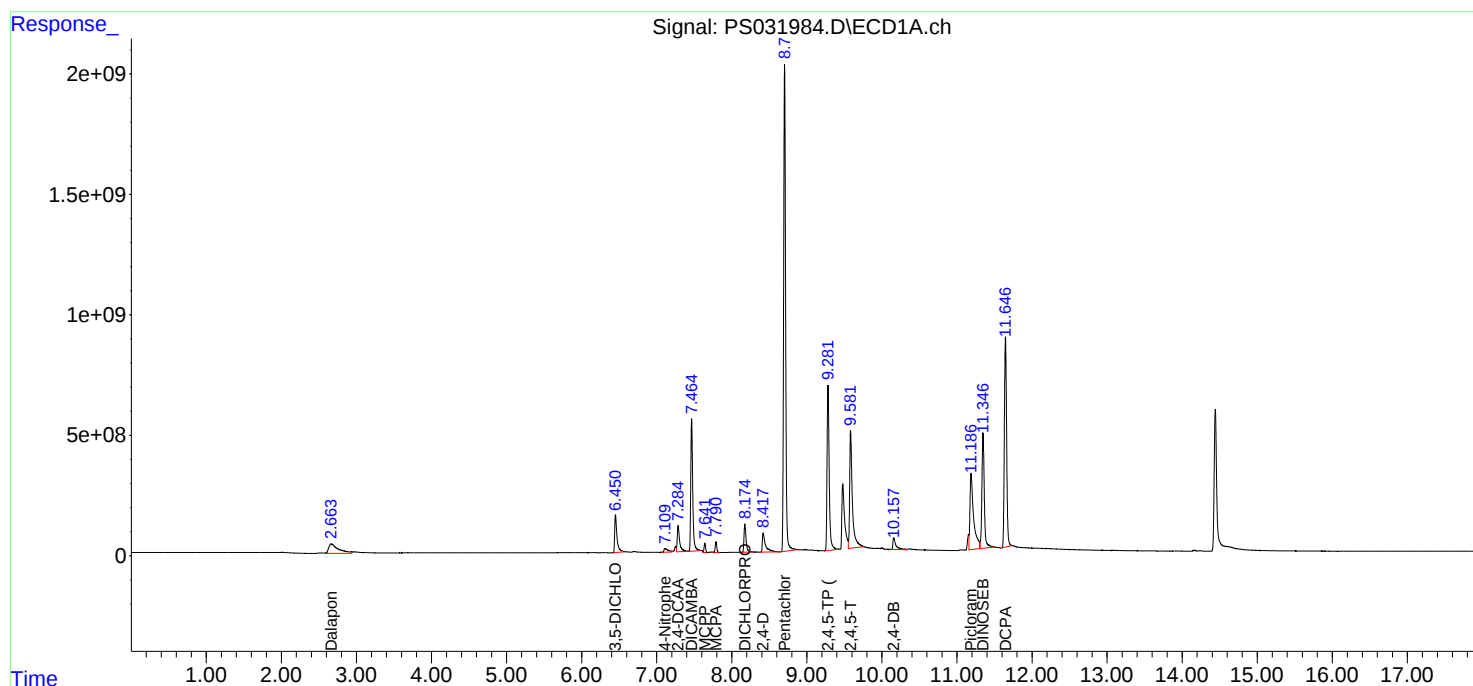
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

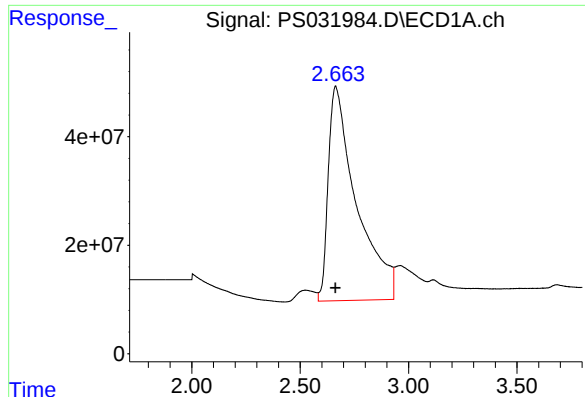
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 11:17
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

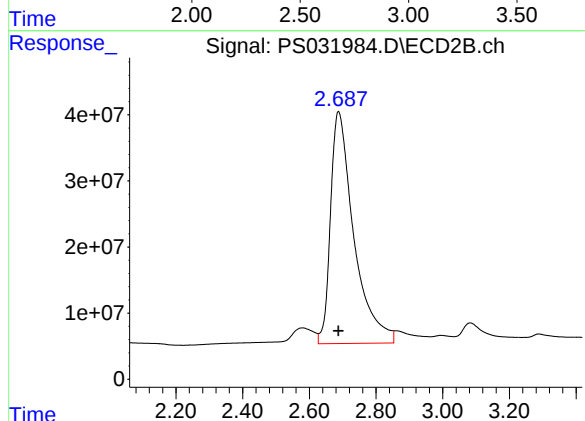




#1 Dalapon

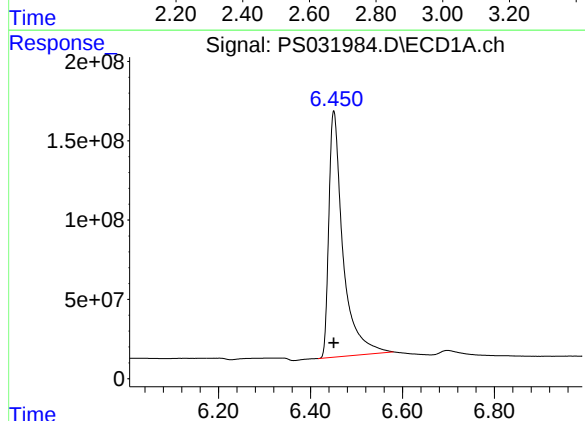
R.T.: 2.663 min
Delta R.T.: 0.000 min
Response: 3569988698
Conc: 462.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



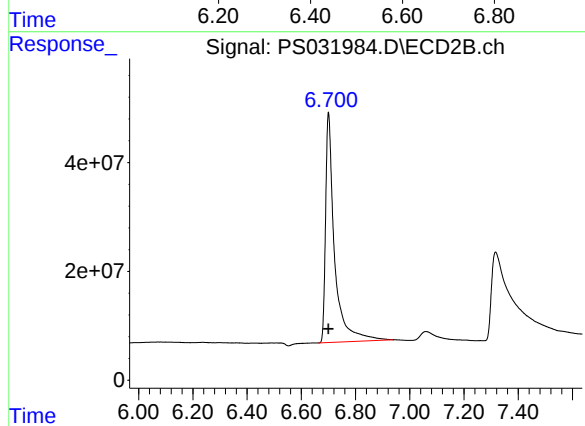
#1 Dalapon

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



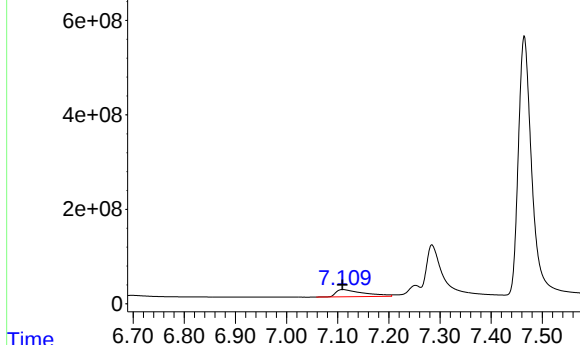
#2 3,5-DICHLOROBENZOIC ACID

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

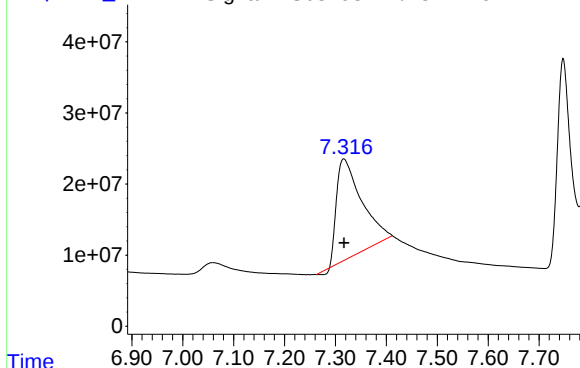
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Time

Response_

Signal: PS031984.D\ECD2B.ch

#3 4-Nitrophenol



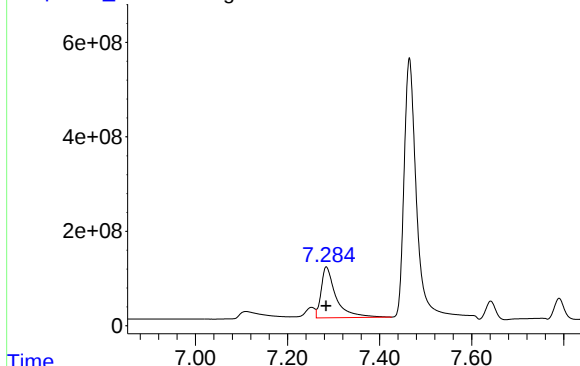
R.T.: 7.317 min
Delta R.T.: 0.000 min
Response: 487839193
Conc: 386.17 ng/ml

Time

Response_

Signal: PS031984.D\ECD1A.ch

#4 2,4-DCAA



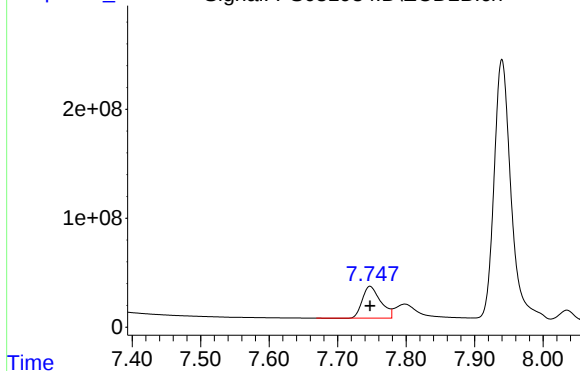
R.T.: 7.284 min
Delta R.T.: 0.000 min
Response: 2405104477
Conc: 501.56 ng/ml

Time

Response_

Signal: PS031984.D\ECD2B.ch

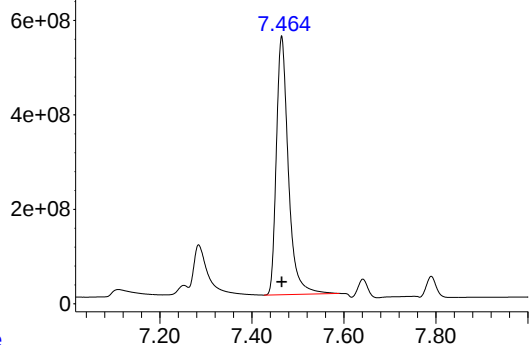
#4 2,4-DCAA



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

Time

Response_ Signal: PS031984.D\ECD1A.ch

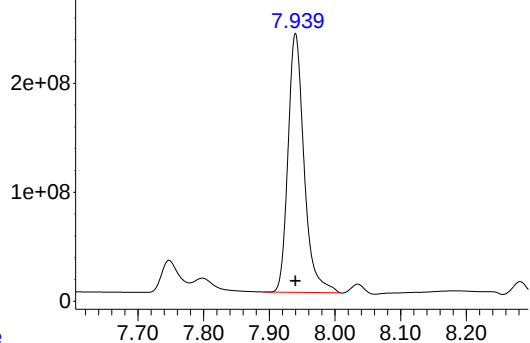


#5 DICAMBA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

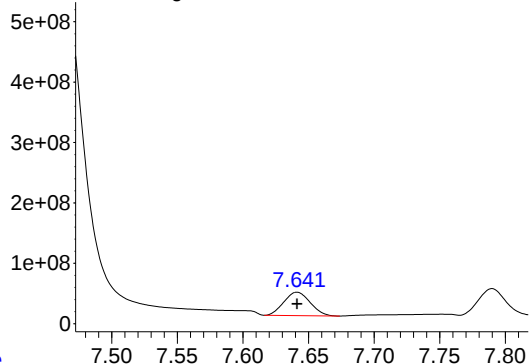
Time Response_ Signal: PS031984.D\ECD2B.ch



#5 DICAMBA

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

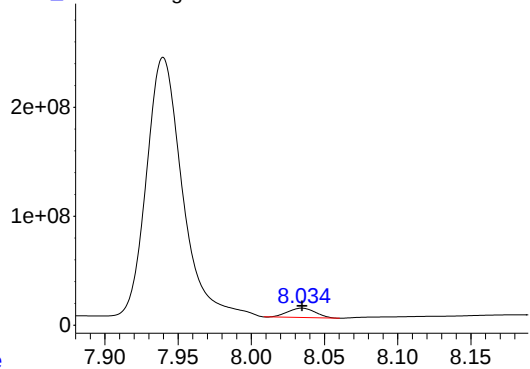
Time Response_ Signal: PS031984.D\ECD1A.ch



#6 MCPP

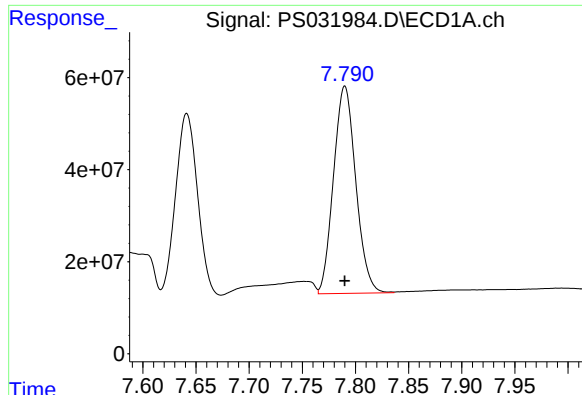
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 541315624
Conc: 44.21 ug/ml

Time Response_ Signal: PS031984.D\ECD2B.ch



#6 MCPP

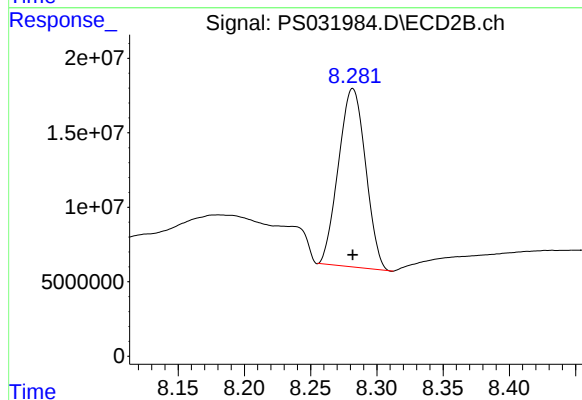
R.T.: 8.035 min
Delta R.T.: 0.000 min
Response: 109561568
Conc: 44.08 ug/ml



#7 MCPA

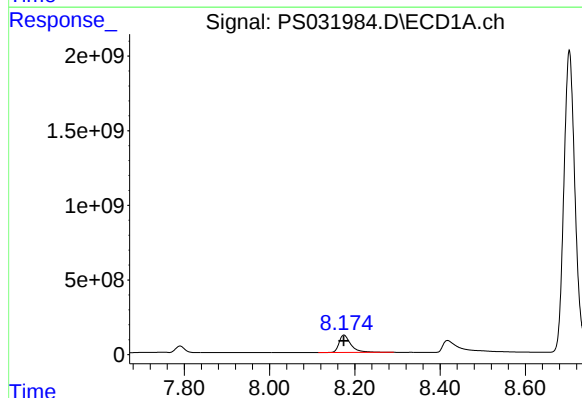
R.T.: 7.790 min
Delta R.T.: 0.000 min
Response: 656103369
Conc: 44.23 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



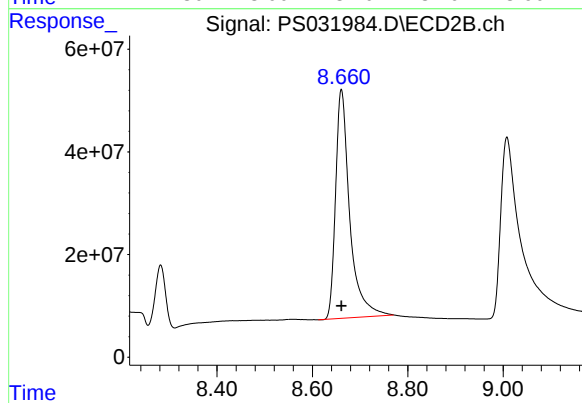
#7 MCPA

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



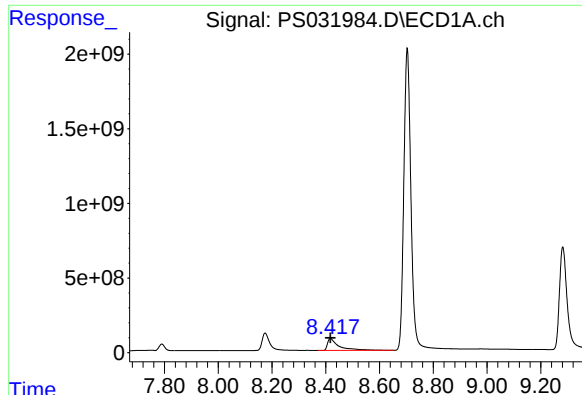
#8 DICHLORPROP

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



#8 DICHLORPROP

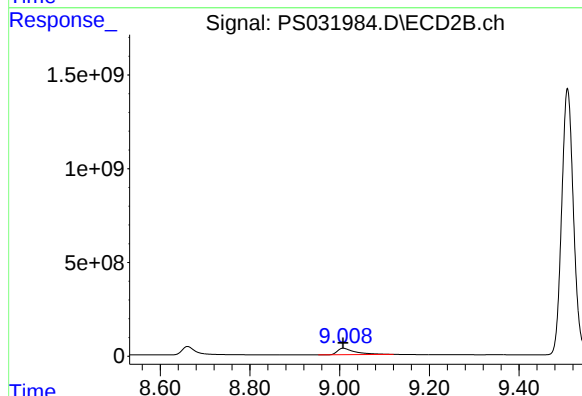
R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 919807161
Conc: 468.77 ng/ml



#9 2,4-D

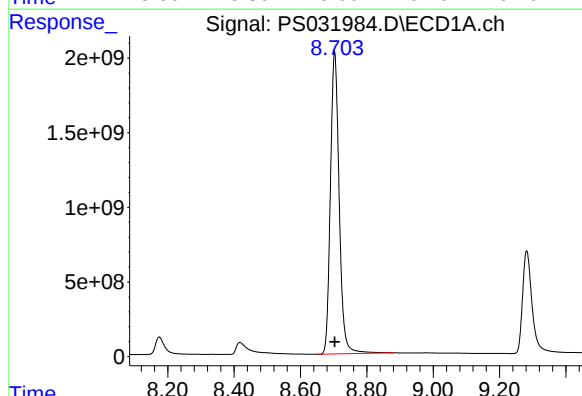
R.T.: 8.417 min
Delta R.T.: 0.000 min
Response: 2348316118
Conc: 473.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



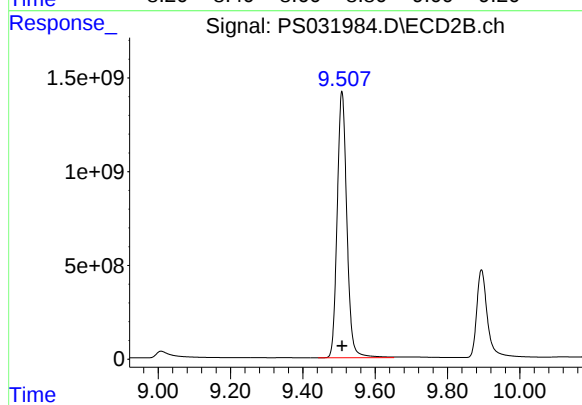
#9 2,4-D

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



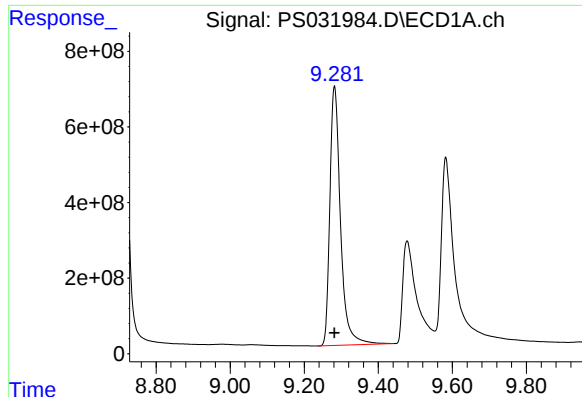
#10 Pentachlorophenol

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



#10 Pentachlorophenol

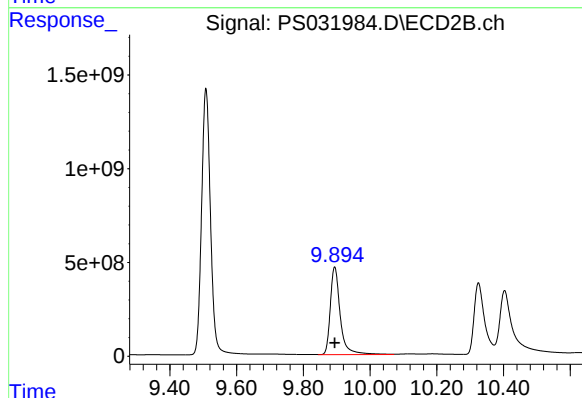
R.T.: 9.508 min
Delta R.T.: 0.000 min
Response: 26360216719
Conc: 473.14 ng/ml



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

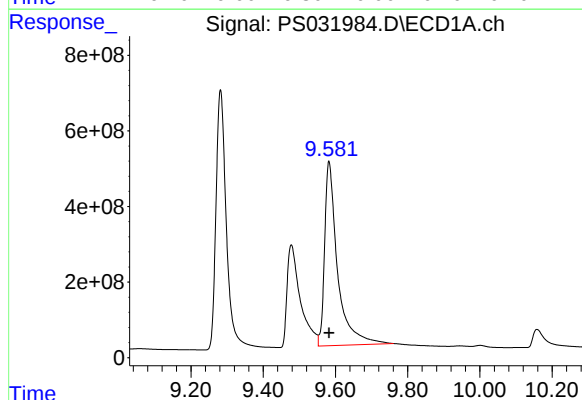
R.T.: 9.282 min
Delta R.T.: 0.000 min
Response: 13687858968
Conc: 478.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



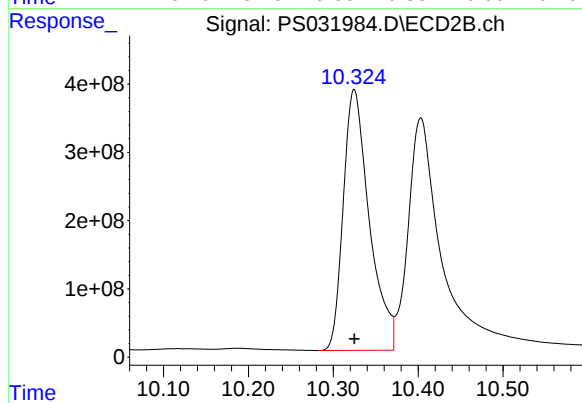
#11 2,4,5-TP (SILVEX)

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



#12 2,4,5-T

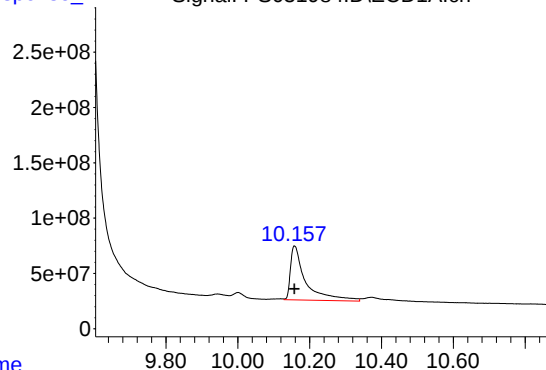
R.T.: 9.582 min
Delta R.T.: 0.000 min
Response: 12156758159
Conc: 470.79 ng/ml



#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

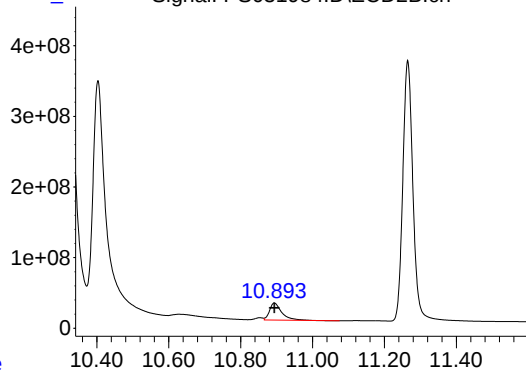


#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

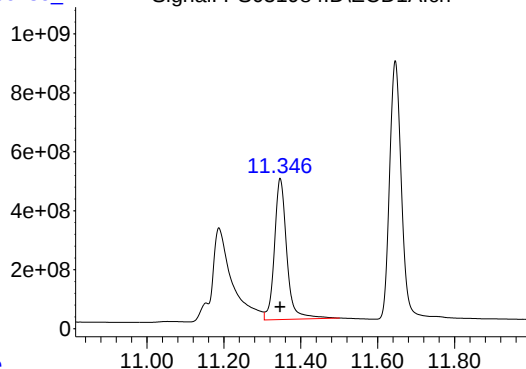
Time Response_ Signal: PS031984.D\ECD2B.ch



#13 2,4-DB

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

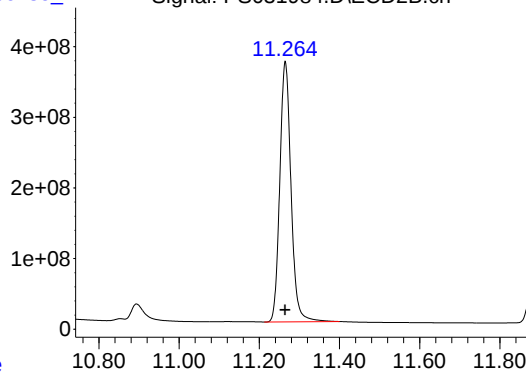
Time Response_ Signal: PS031984.D\ECD1A.ch



#14 DINOSEB

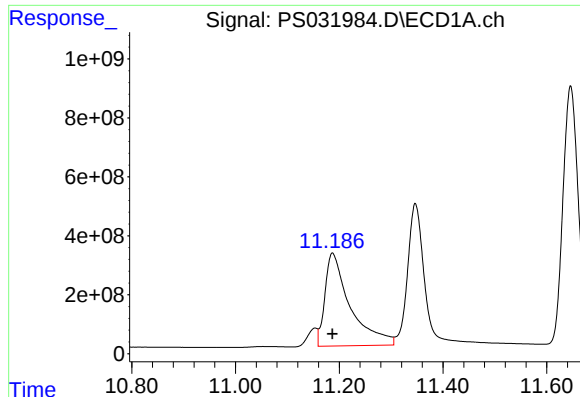
R.T.: 11.347 min
Delta R.T.: 0.000 min
Response: 10675224434
Conc: 477.40 ng/ml

Time Response_ Signal: PS031984.D\ECD2B.ch



#14 DINOSEB

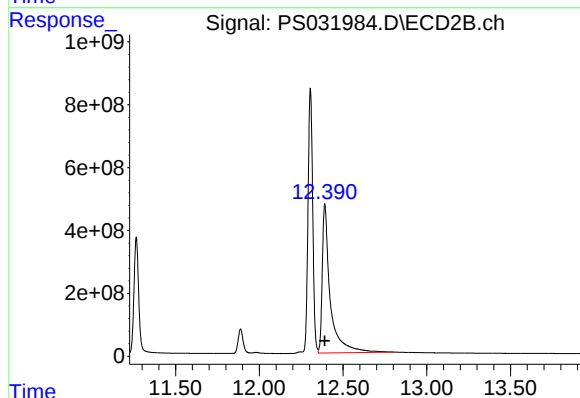
R.T.: 11.265 min
Delta R.T.: 0.000 min
Response: 7150834291
Conc: 467.85 ng/ml



#15 Picloram

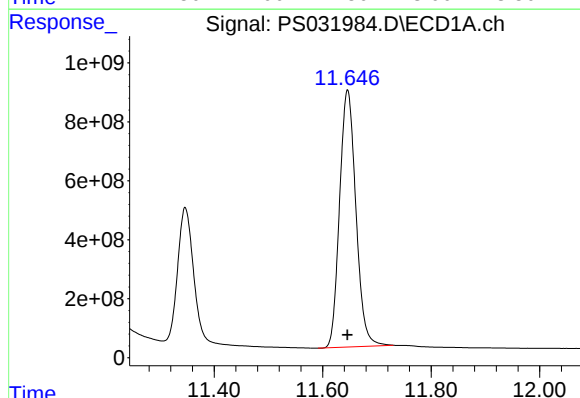
R.T.: 11.187 min
Delta R.T.: 0.000 min
Response: 10629537814
Conc: 437.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500



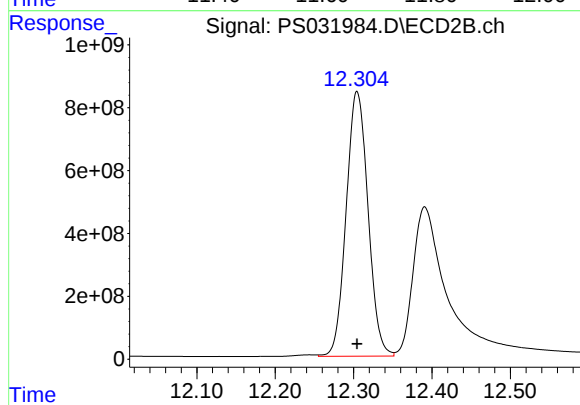
#15 Picloram

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	MCPD	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

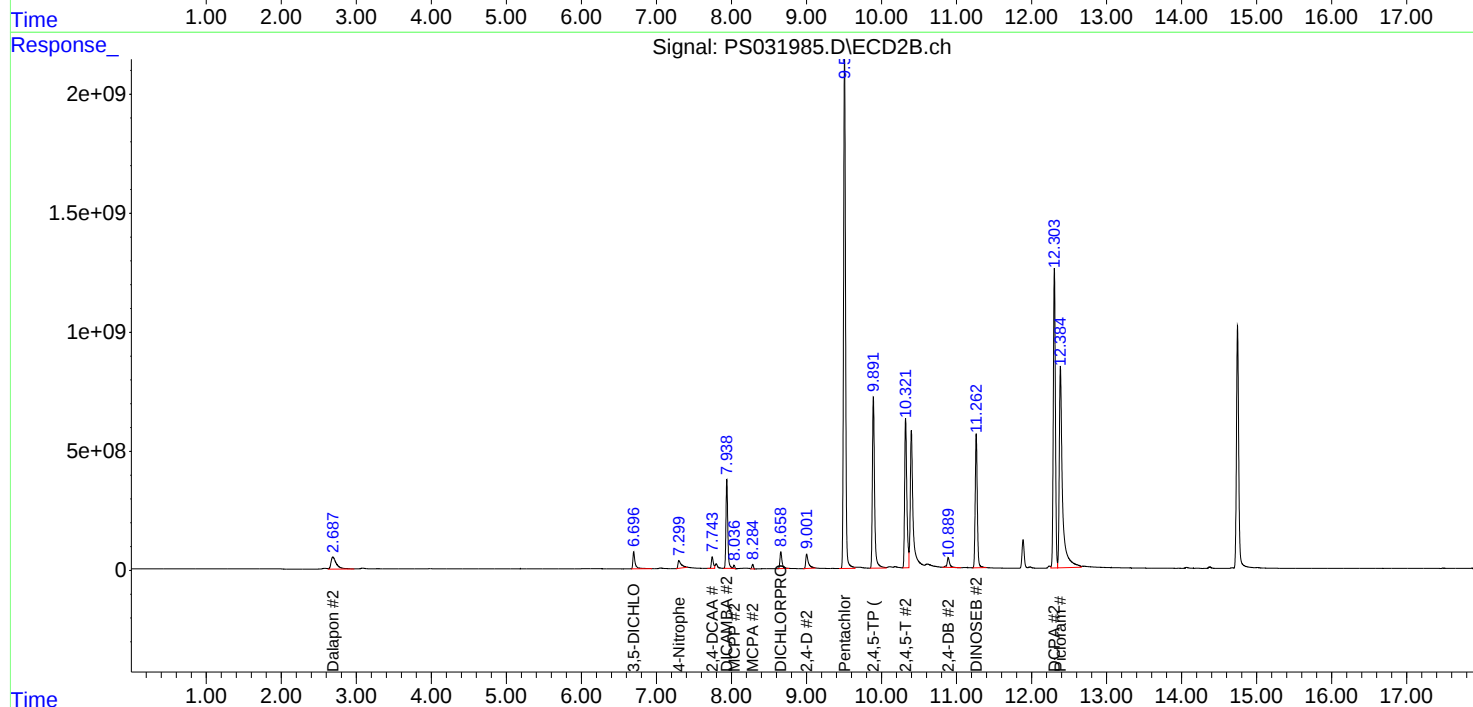
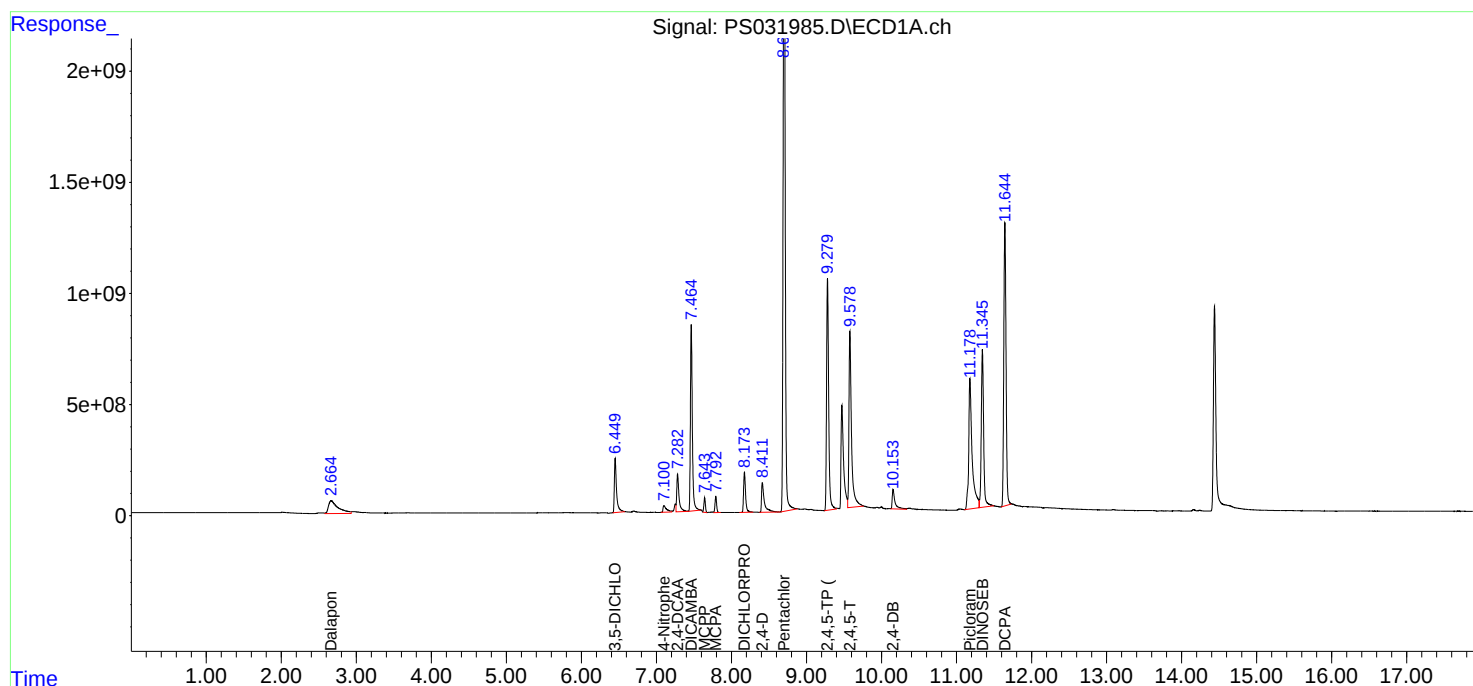
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

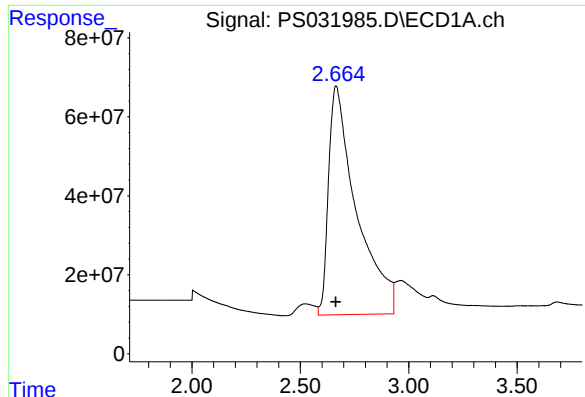
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 11:41
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

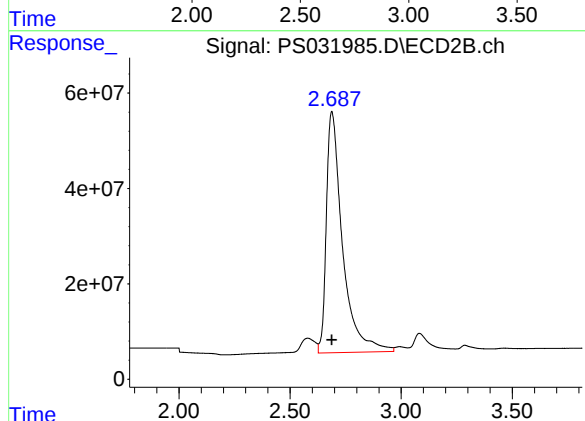




#1 Dalapon

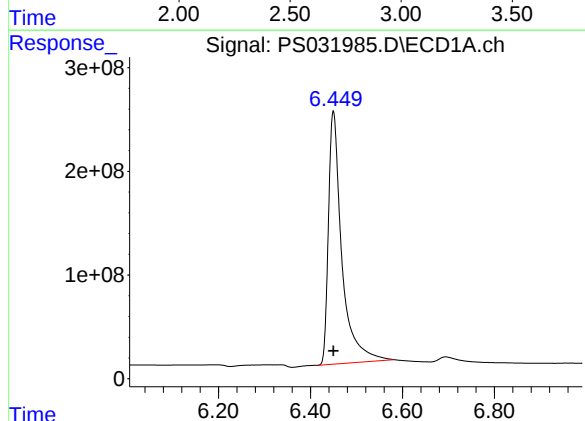
R.T.: 2.664 min
Delta R.T.: 0.000 min
Response: 5175100296
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



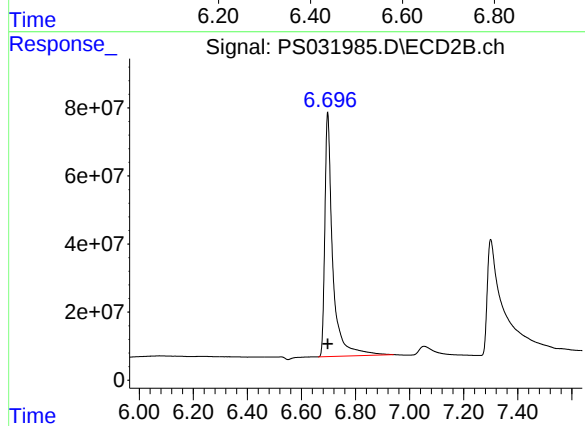
#1 Dalapon

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



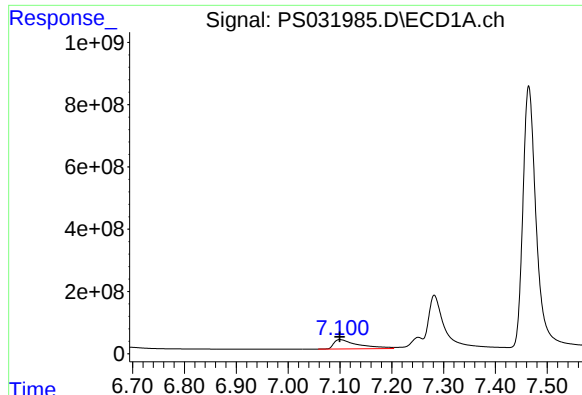
#2 3,5-DICHLOROBENZOIC ACID

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



#2 3,5-DICHLOROBENZOIC ACID

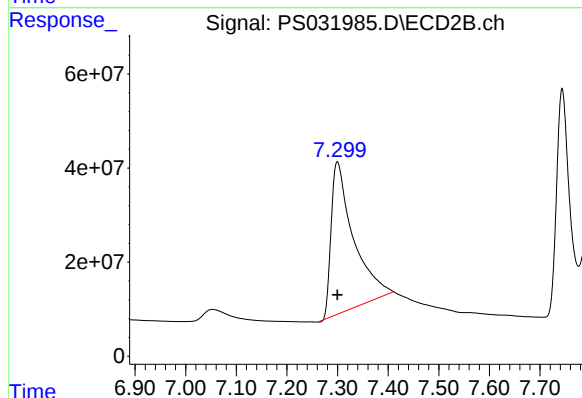
R.T.: 6.697 min
Delta R.T.: 0.000 min
Response: 1460688413
Conc: 697.50 ng/ml



#3 4-Nitrophenol

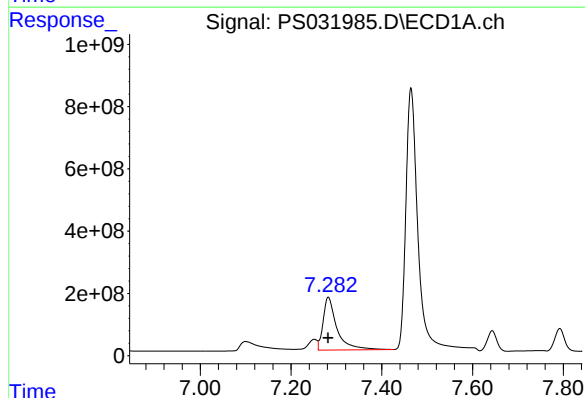
R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 975570647
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



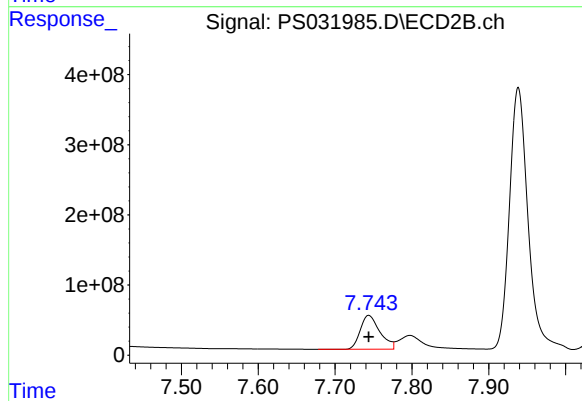
#3 4-Nitrophenol

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



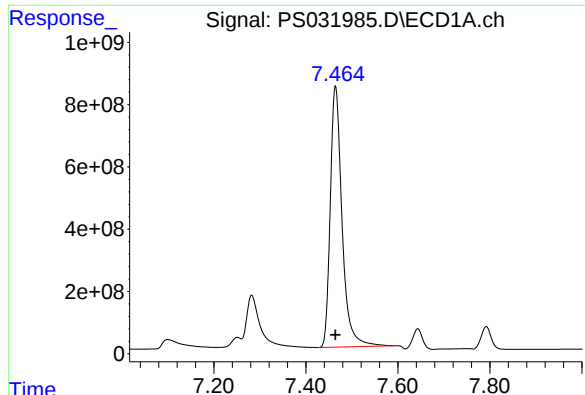
#4 2,4-DCAA

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



#4 2,4-DCAA

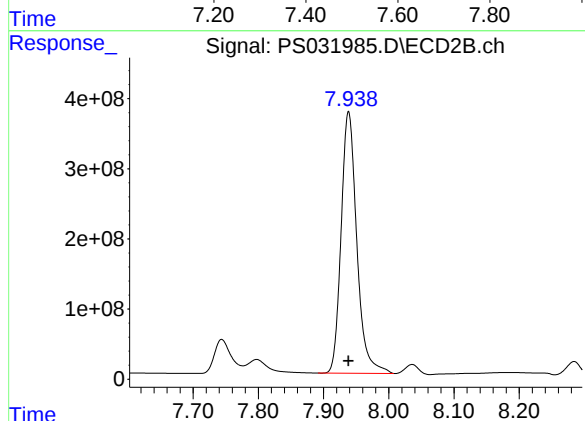
R.T.: 7.744 min
Delta R.T.: 0.000 min
Response: 856033349
Conc: 750.00 ng/ml



#5 DICAMBA

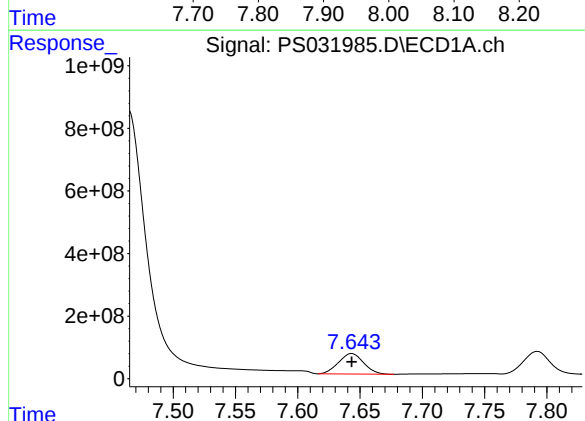
R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 14918023541
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



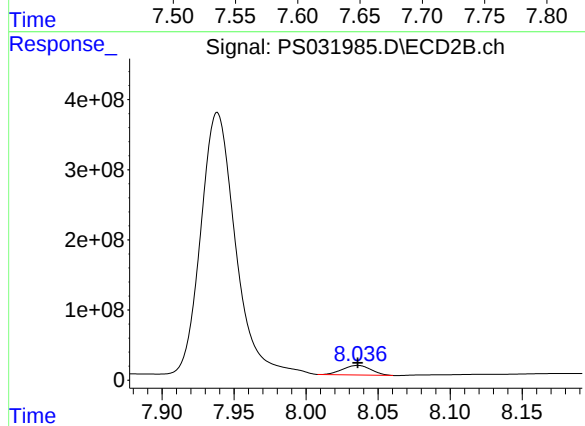
#5 DICAMBA

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



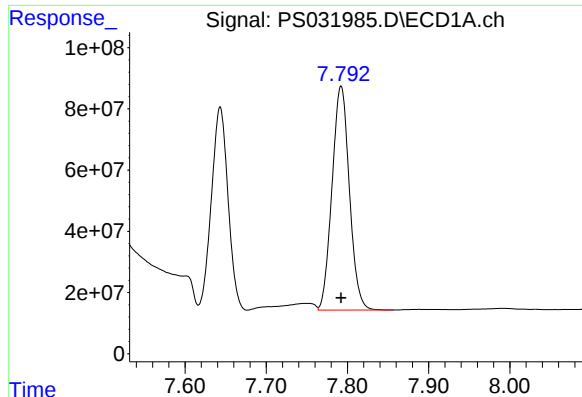
#6 MCP

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



#6 MCP

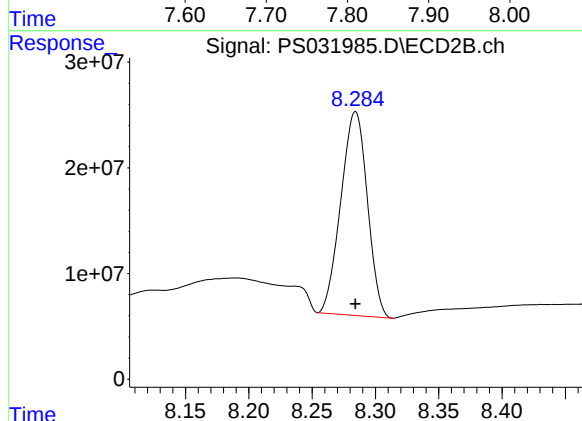
R.T.: 8.036 min
Delta R.T.: 0.000 min
Response: 186089453
Conc: 70.50 ug/ml



#7 MCPA

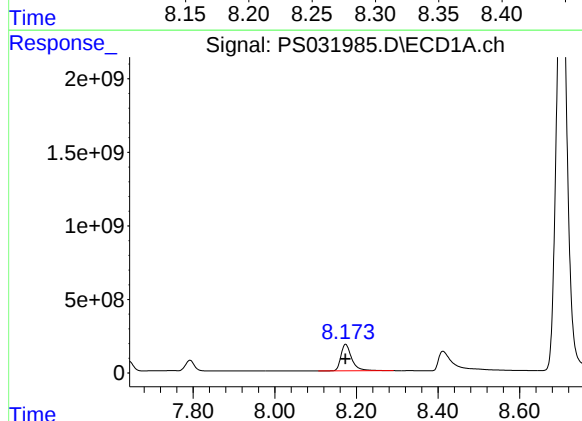
R.T.: 7.792 min
Delta R.T.: 0.000 min
Response: 1085338569
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



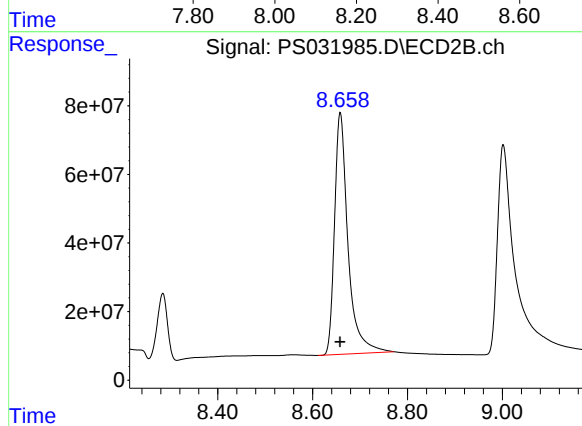
#7 MCPA

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



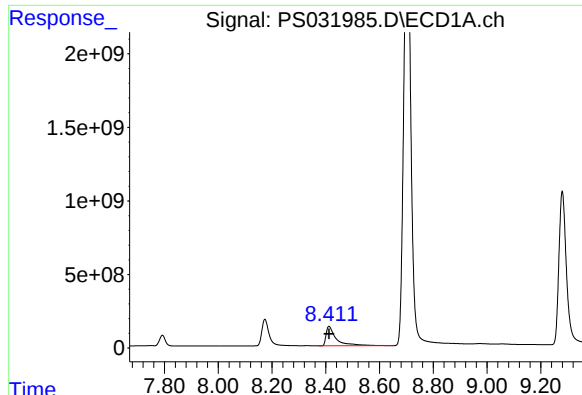
#8 DICHLORPROP

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



#8 DICHLORPROP

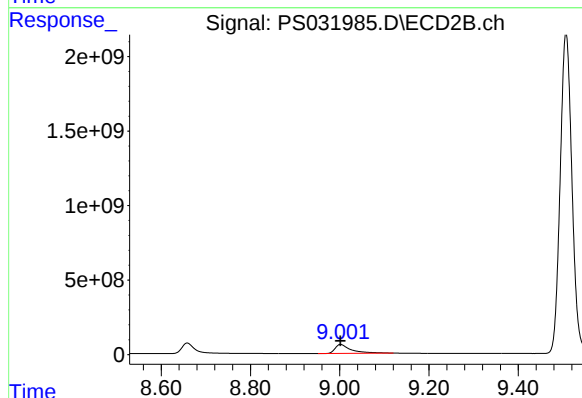
R.T.: 8.658 min
Delta R.T.: 0.000 min
Response: 1386938688
Conc: 705.00 ng/ml



#9 2,4-D

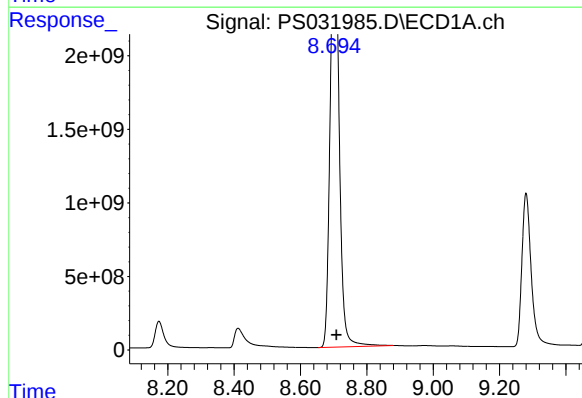
R.T.: 8.412 min
Delta R.T.: 0.000 min
Response: 3467887862
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



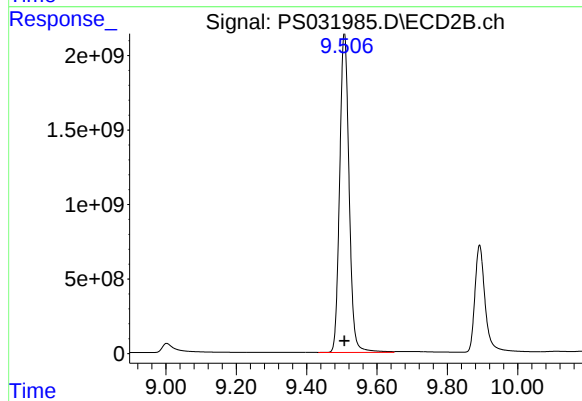
#9 2,4-D

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



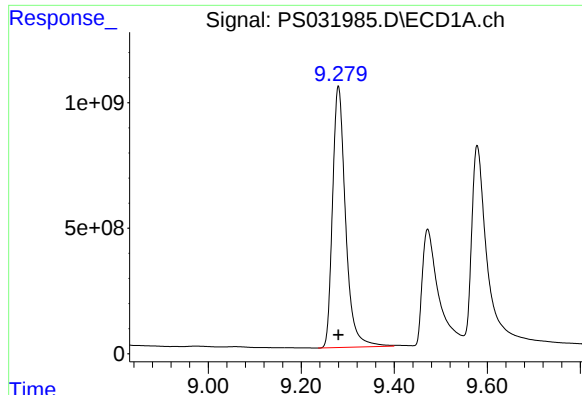
#10 Pentachlorophenol

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



#10 Pentachlorophenol

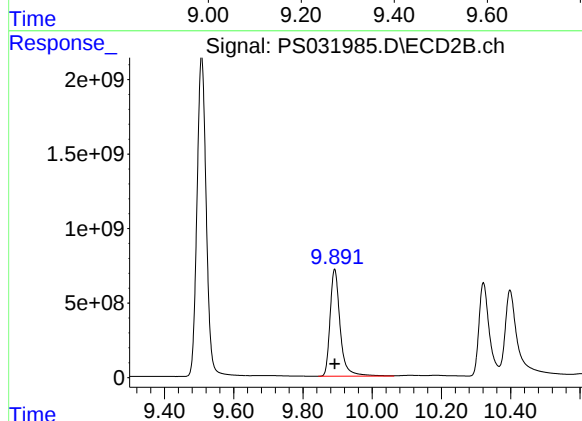
R.T.: 9.507 min
Delta R.T.: 0.000 min
Response: 39851599804
Conc: 712.50 ng/ml



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

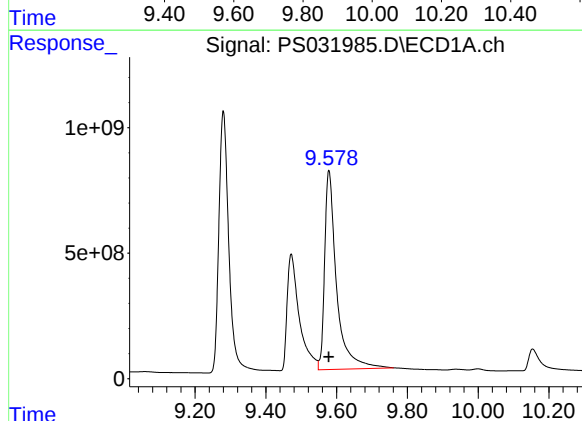
R.T.: 9.280 min
Delta R.T.: 0.000 min
Response: 20262256213
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



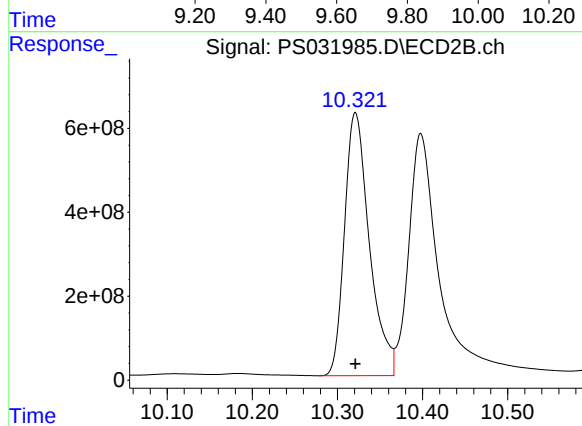
#11 2,4,5-TP (SILVEX)

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

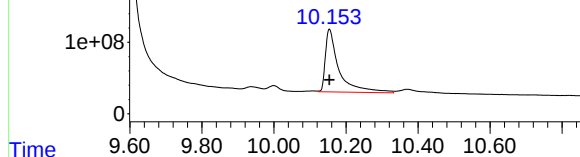
R.T.: 10.321 min
Delta R.T.: 0.000 min
Response: 12738154417
Conc: 712.50 ng/ml

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

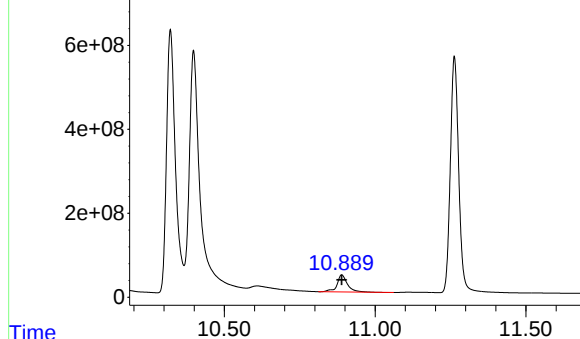
Instrument :
ECD_S
ClientSampleId :
HSTDICC750



Response_ Signal: PS031985.D\ECD2B.ch

#13 2,4-DB

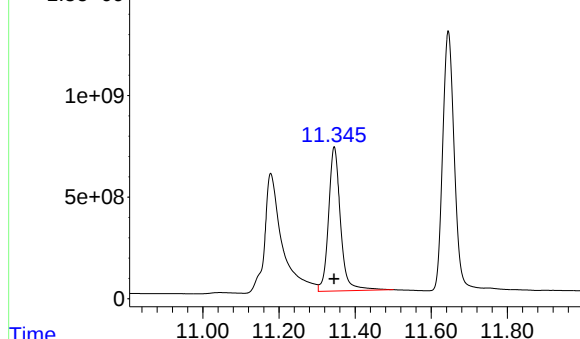
R.T.: 10.889 min
Delta R.T.: 0.000 min
Response: 983790639
Conc: 712.50 ng/ml



Response_ Signal: PS031985.D\ECD1A.ch

#14 DINOSEB

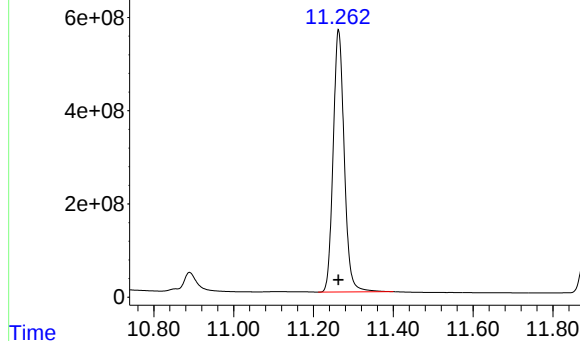
R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 15516239596
Conc: 705.00 ng/ml

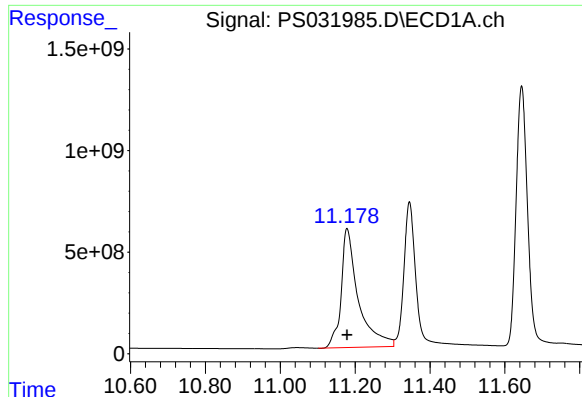


Response_ Signal: PS031985.D\ECD2B.ch

#14 DINOSEB

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

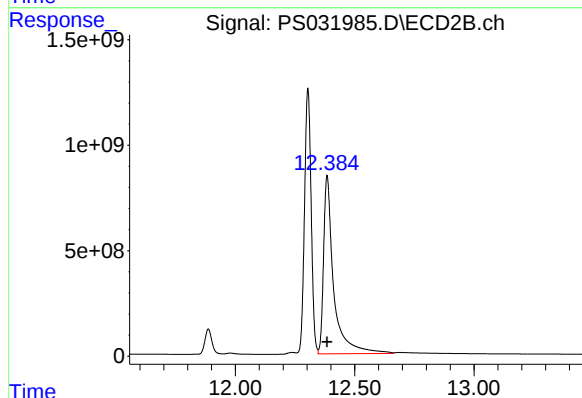




#15 Picloram

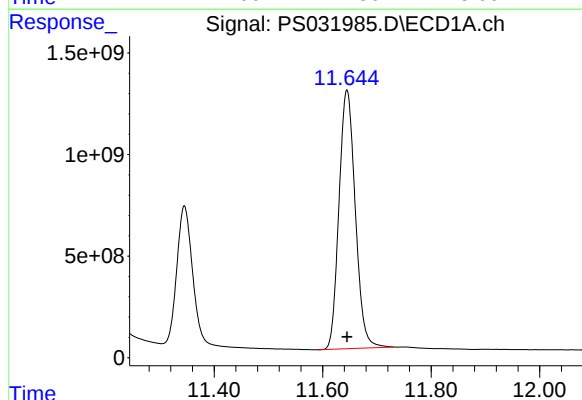
R.T.: 11.178 min
Delta R.T.: 0.000 min
Response: 18705068360
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



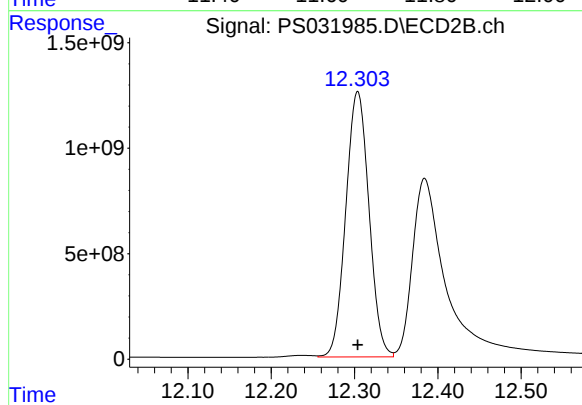
#15 Picloram

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	MCPD	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

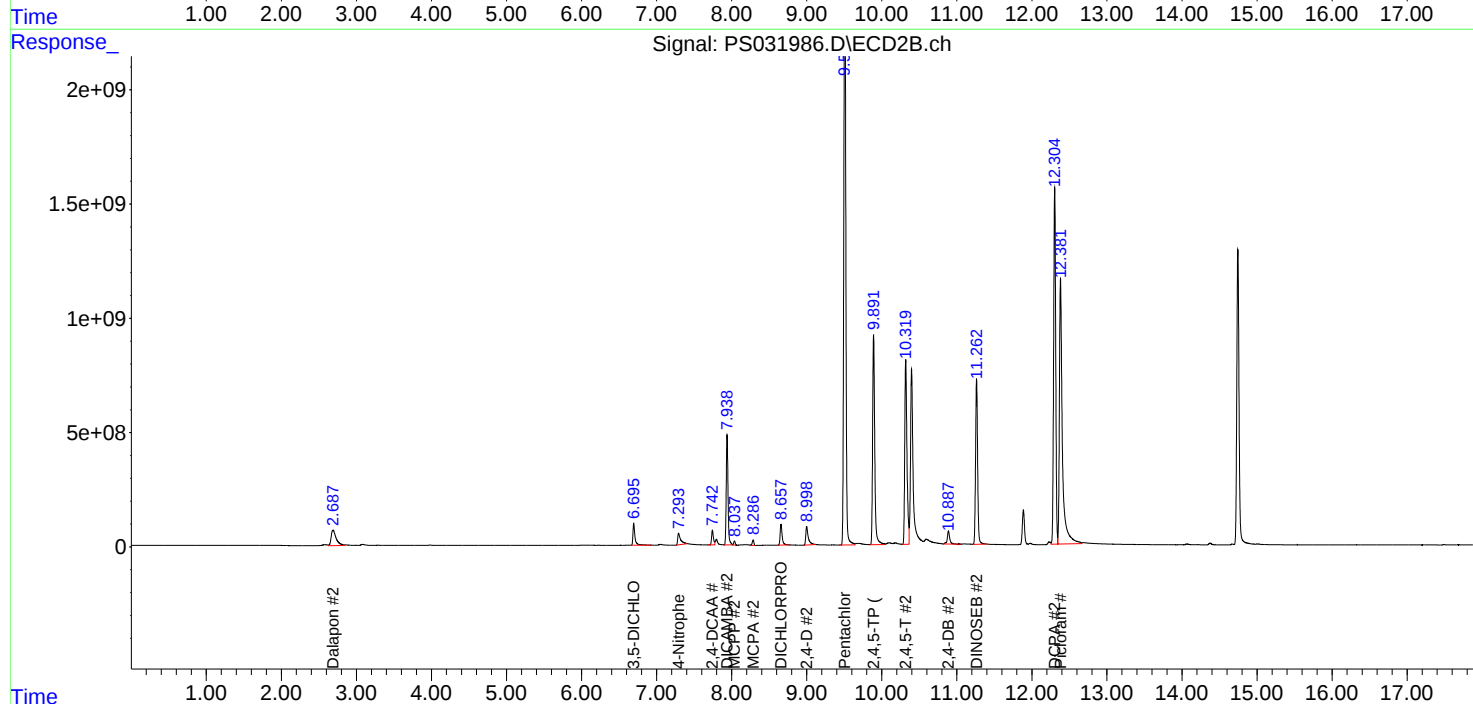
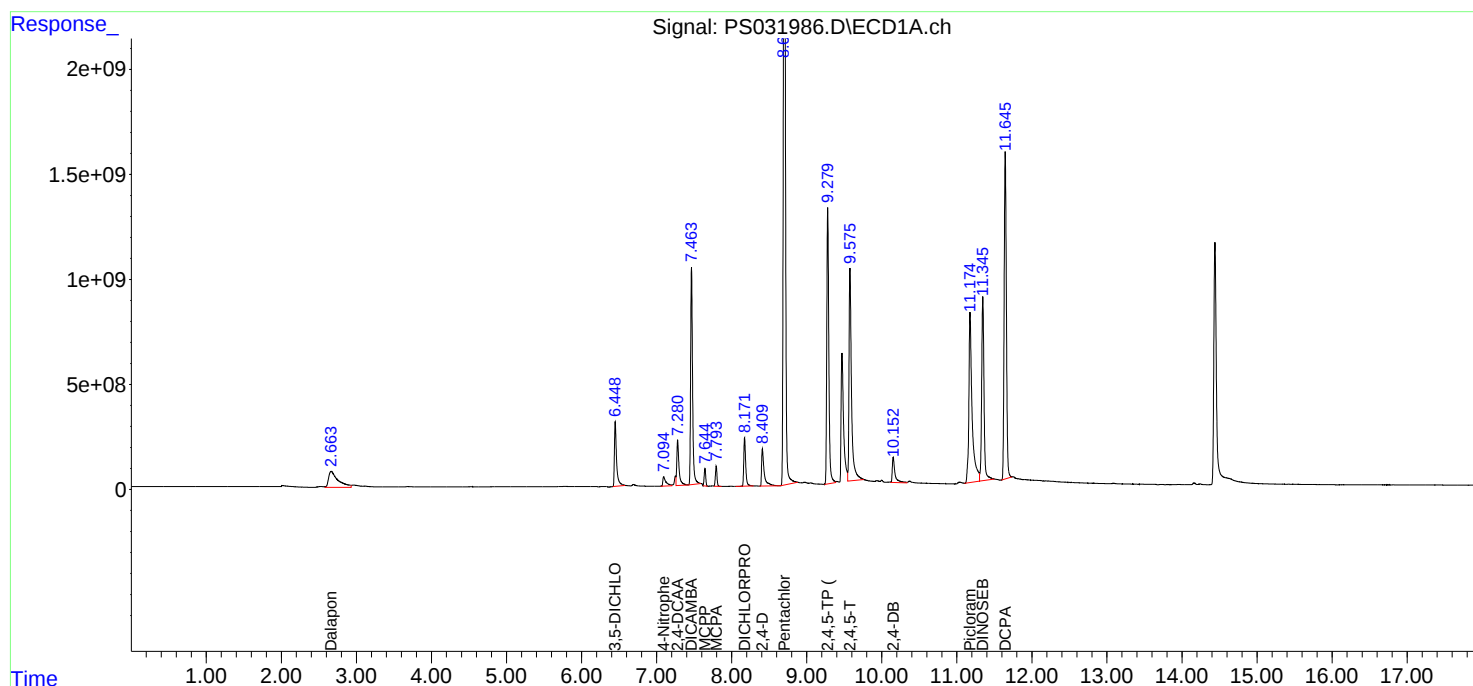
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

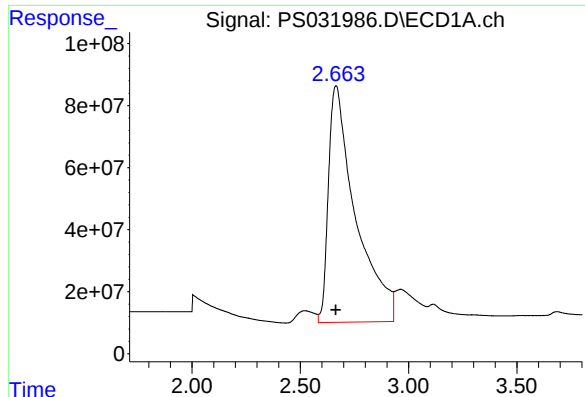
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031986.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 12:05
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

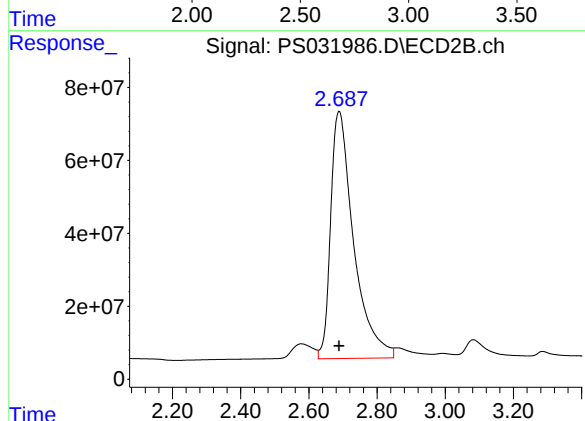




#1 Dalapon

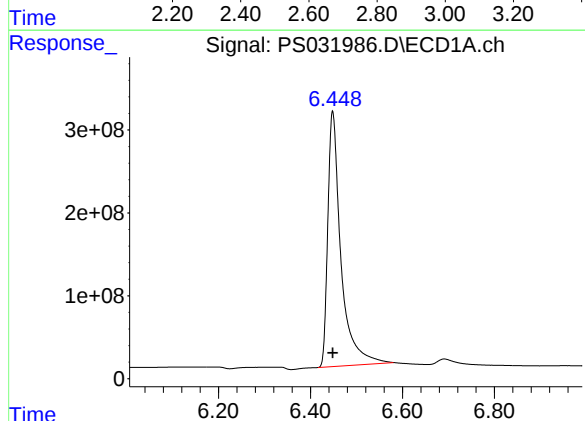
R.T.: 2.664 min
Delta R.T.: 0.000 min
Response: 6645113459
Conc: 839.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



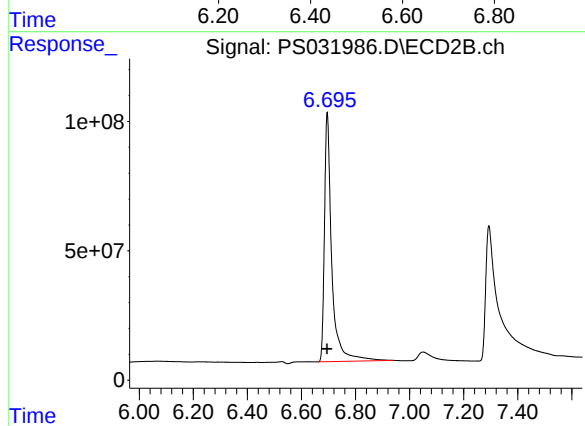
#1 Dalapon

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



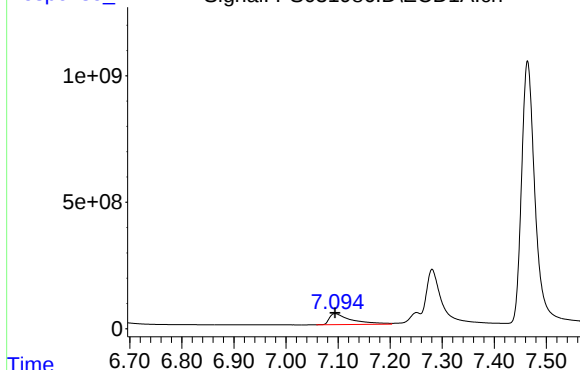
#2 3,5-DICHLOROBENZOIC ACID

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



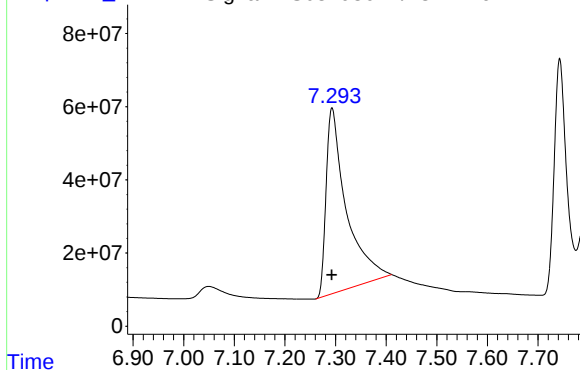
#2 3,5-DICHLOROBENZOIC ACID

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

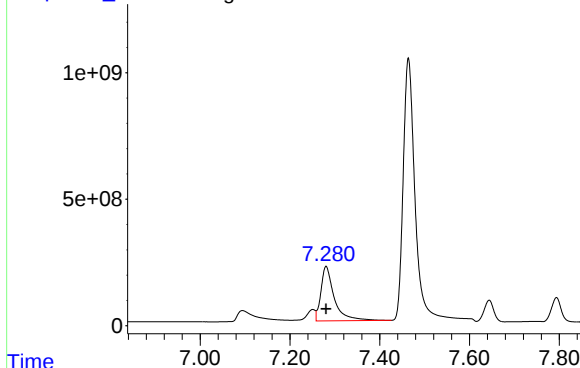


R.T.: 7.094 min
Delta R.T.: 0.000 min
Response: 1291342279
Conc: 990.25 ng/ml

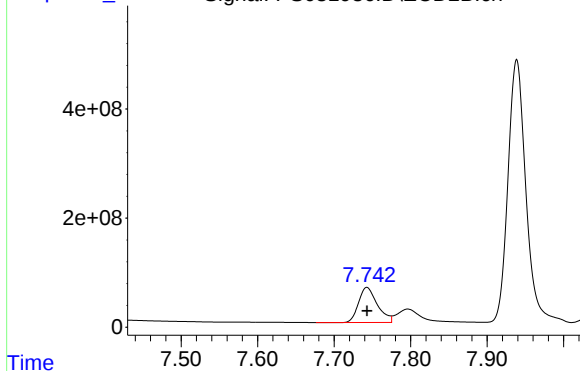
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



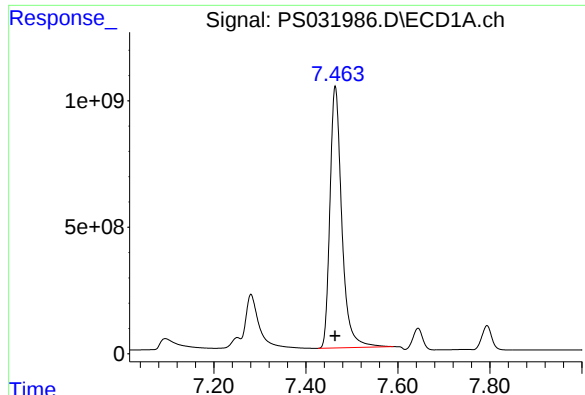
R.T.: 7.293 min
Delta R.T.: 0.000 min
Response: 1414174885
Conc: 922.68 ng/ml



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



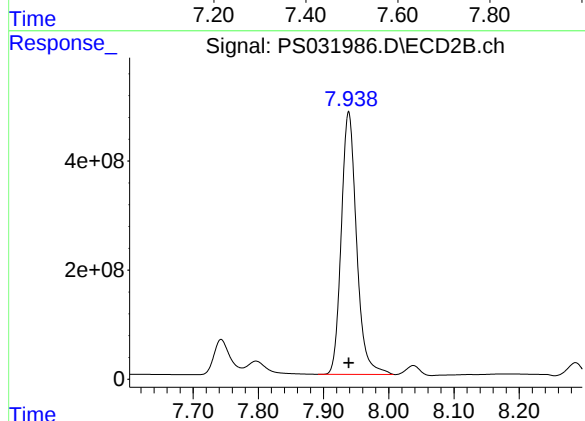
R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 1095015954
Conc: 994.17 ng/ml



#5 DICAMBA

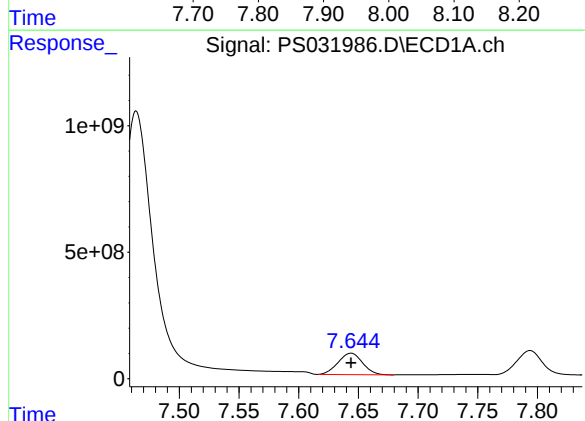
R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 18517291959
Conc: 861.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



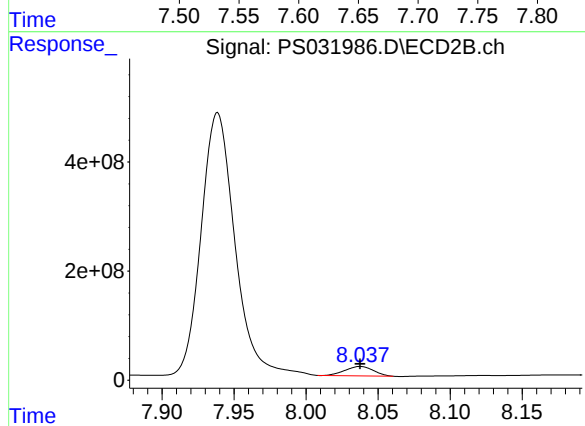
#5 DICAMBA

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



#6 MCP

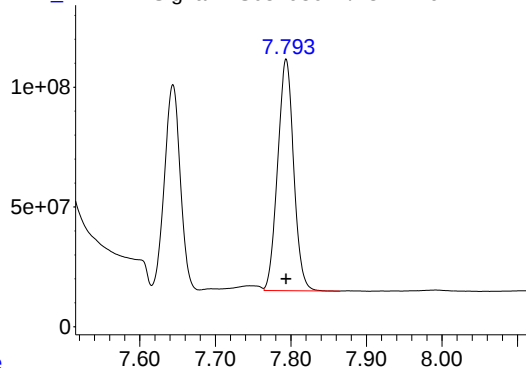
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 1203382719
Conc: 100.68 ug/ml



#6 MCP

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

Response_ Signal: PS031986.D\ECD1A.ch

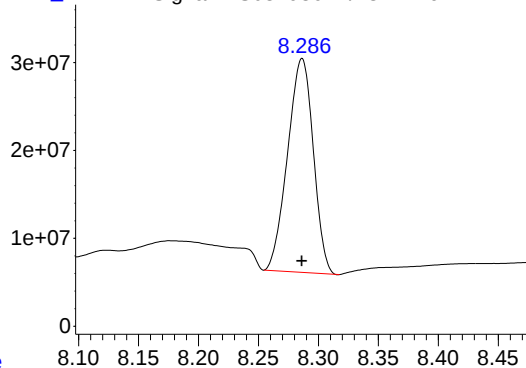


#7 MCPA

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

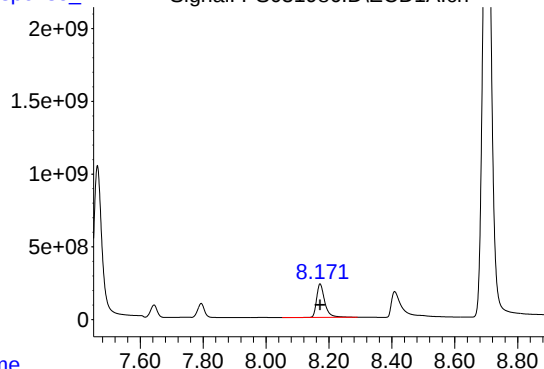
Time Response_ Signal: PS031986.D\ECD2B.ch



#7 MCPA

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

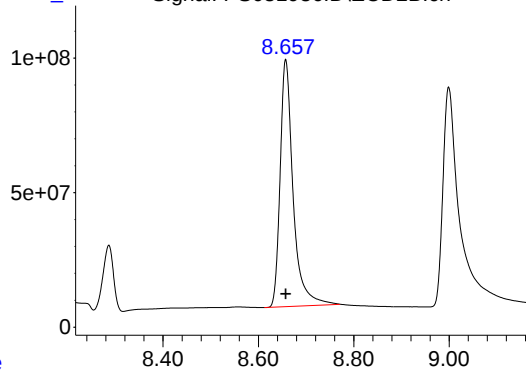
Time Response_ Signal: PS031986.D\ECD1A.ch



#8 DICHLORPROP

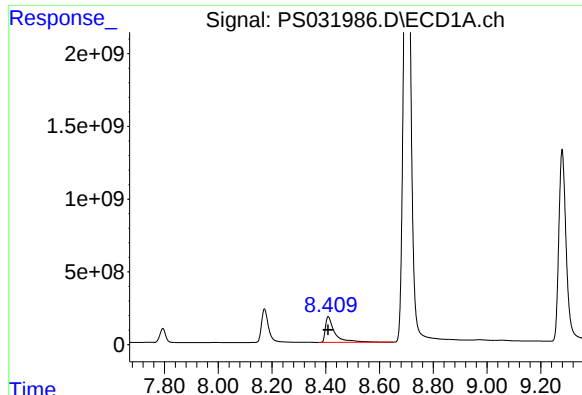
R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 4099574539
Conc: 837.18 ng/ml

Time Response_ Signal: PS031986.D\ECD2B.ch



#8 DICHLORPROP

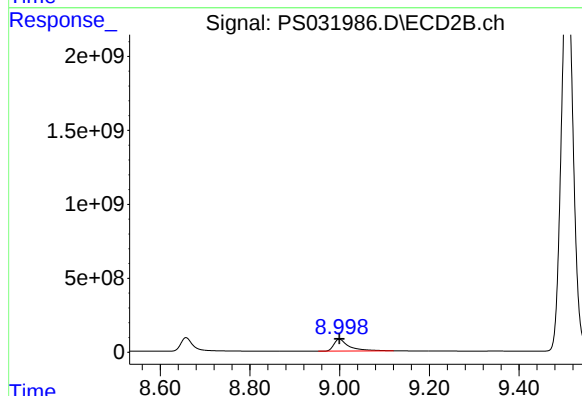
R.T.: 8.658 min
Delta R.T.: 0.000 min
Response: 1733710697
Conc: 864.86 ng/ml



#9 2,4-D

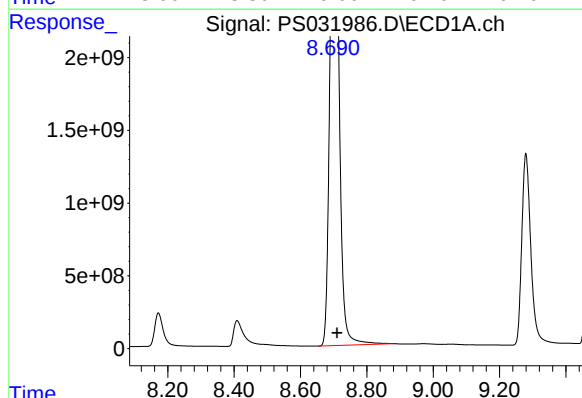
R.T.: 8.409 min
Delta R.T.: 0.000 min
Response: 4287270920
Conc: 859.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



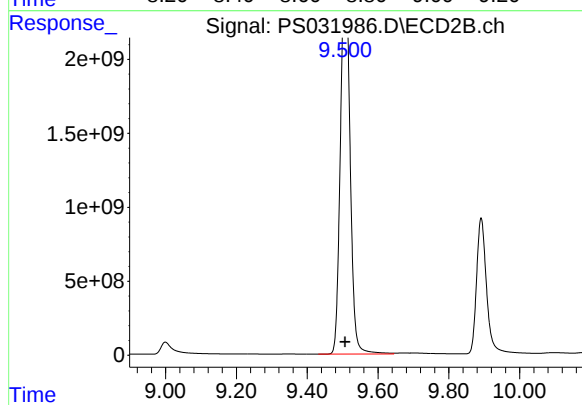
#9 2,4-D

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



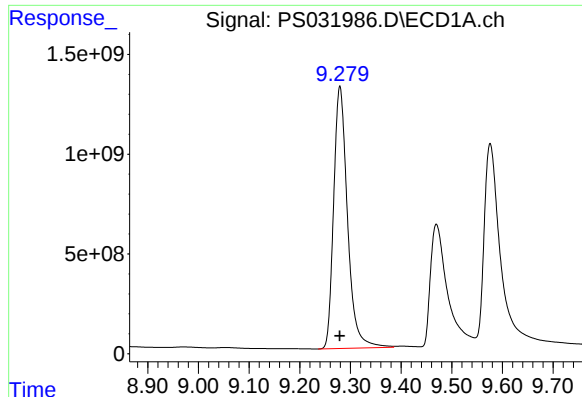
#10 Pentachlorophenol

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



#10 Pentachlorophenol

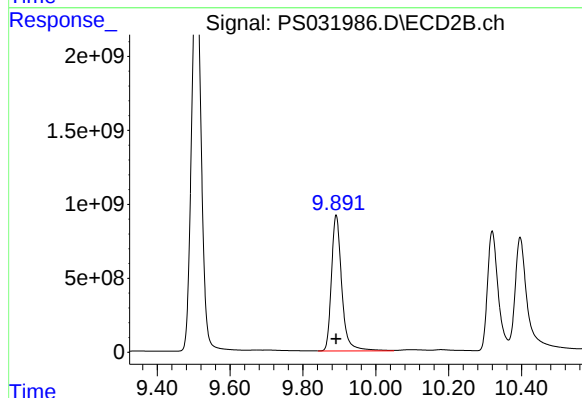
R.T.: 9.507 min
Delta R.T.: 0.000 min
Response: 46111947562
Conc: 833.98 ng/ml



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

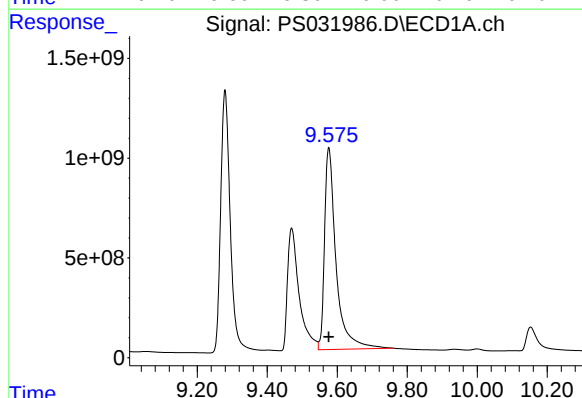
R.T.: 9.279 min
Delta R.T.: 0.000 min
Response: 24915515300
Conc: 854.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



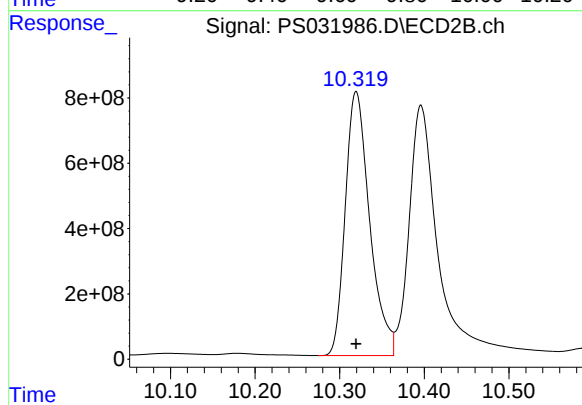
#11 2,4,5-TP (SILVEX)

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



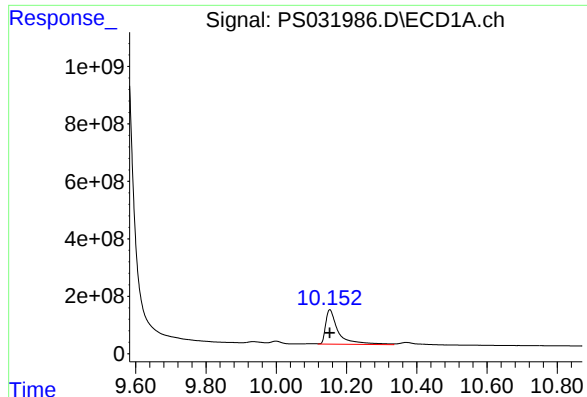
#12 2,4,5-T

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



#12 2,4,5-T

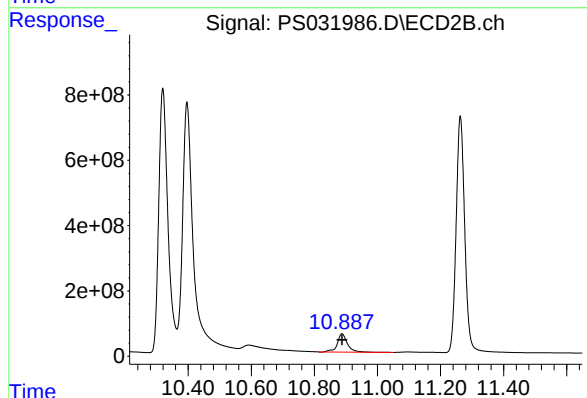
R.T.: 10.320 min
Delta R.T.: 0.000 min
Response: 16199032183
Conc: 934.85 ng/ml



#13 2,4-DB

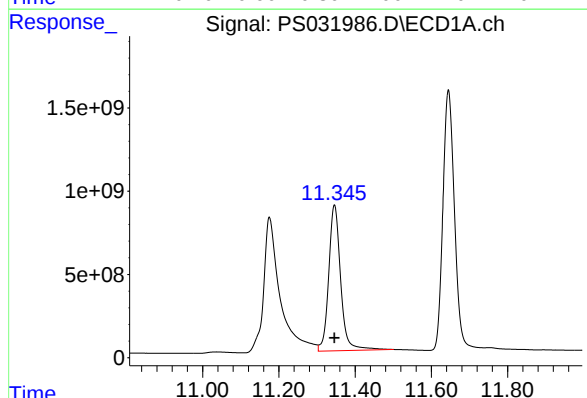
R.T.: 10.153 min
Delta R.T.: 0.000 min
Response: 3029116205
Conc: 989.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



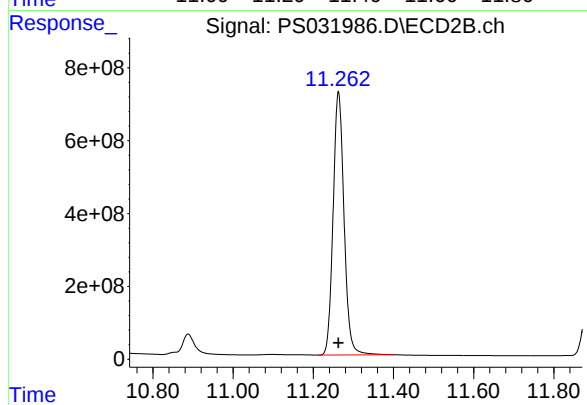
#13 2,4-DB

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



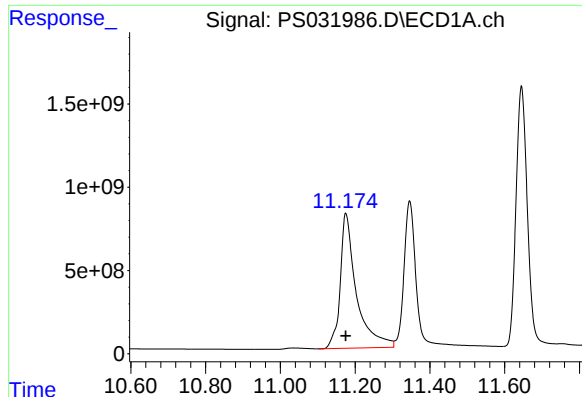
#14 DINOSEB

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



#14 DINOSEB

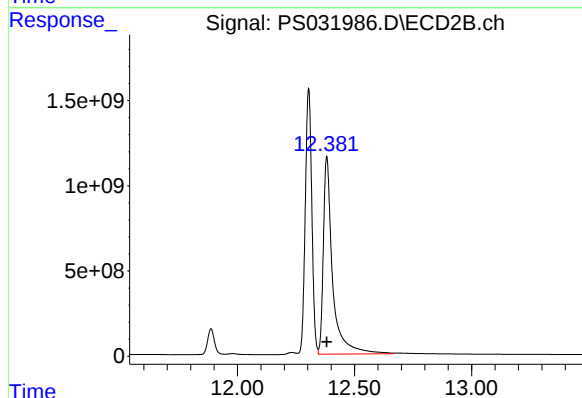
R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 13687277311
Conc: 883.44 ng/ml



#15 Picloram

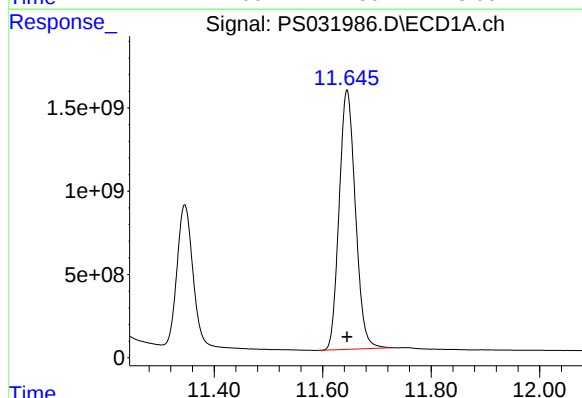
R.T.: 11.175 min
Delta R.T.: 0.000 min
Response: 24386707531
Conc: 1055.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



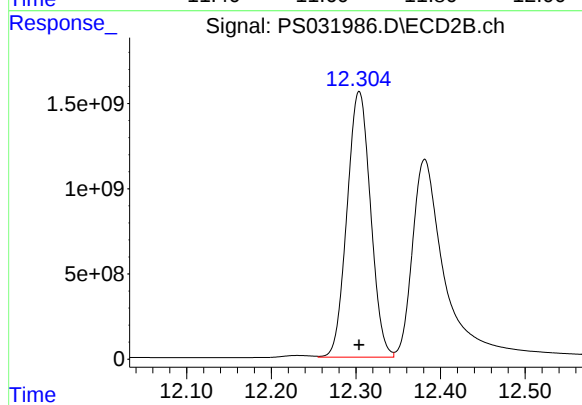
#15 Picloram

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



#16 DCPA

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



#16 DCPA

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

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

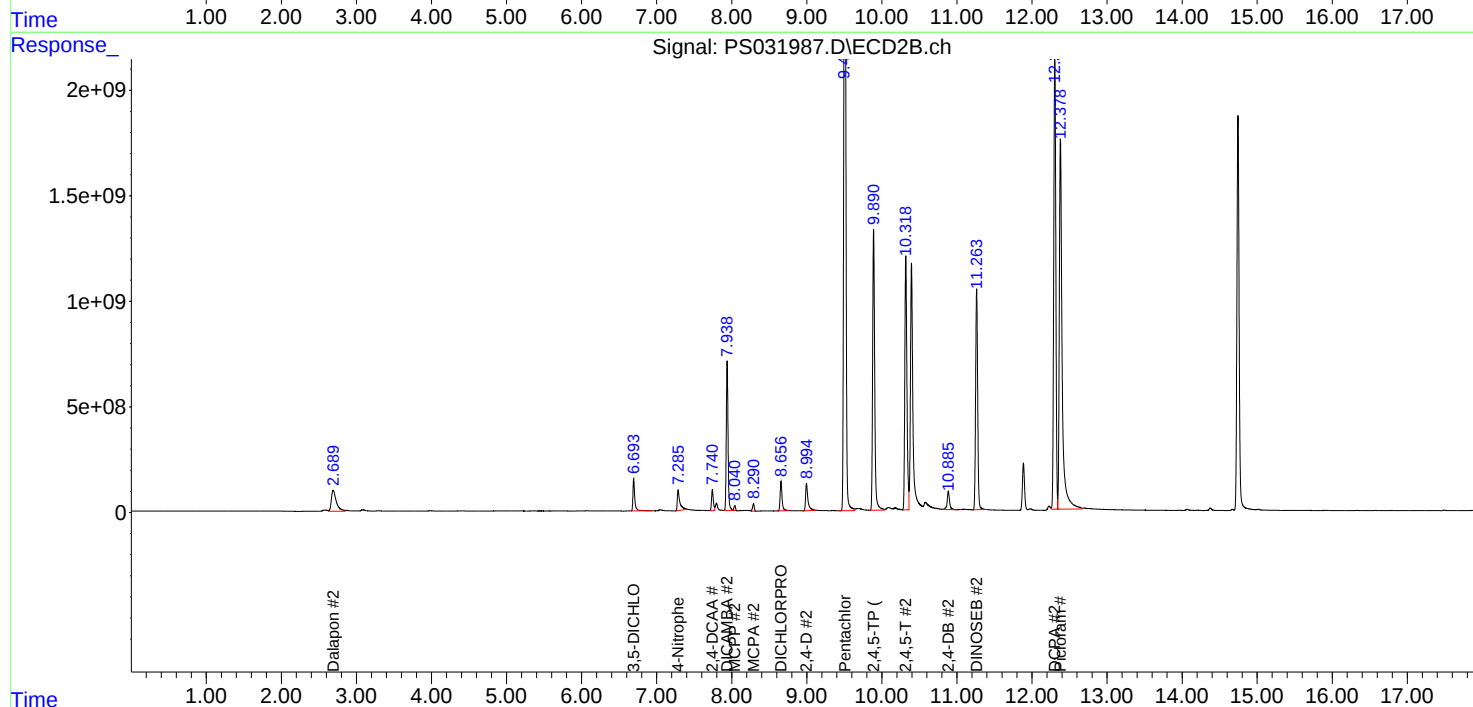
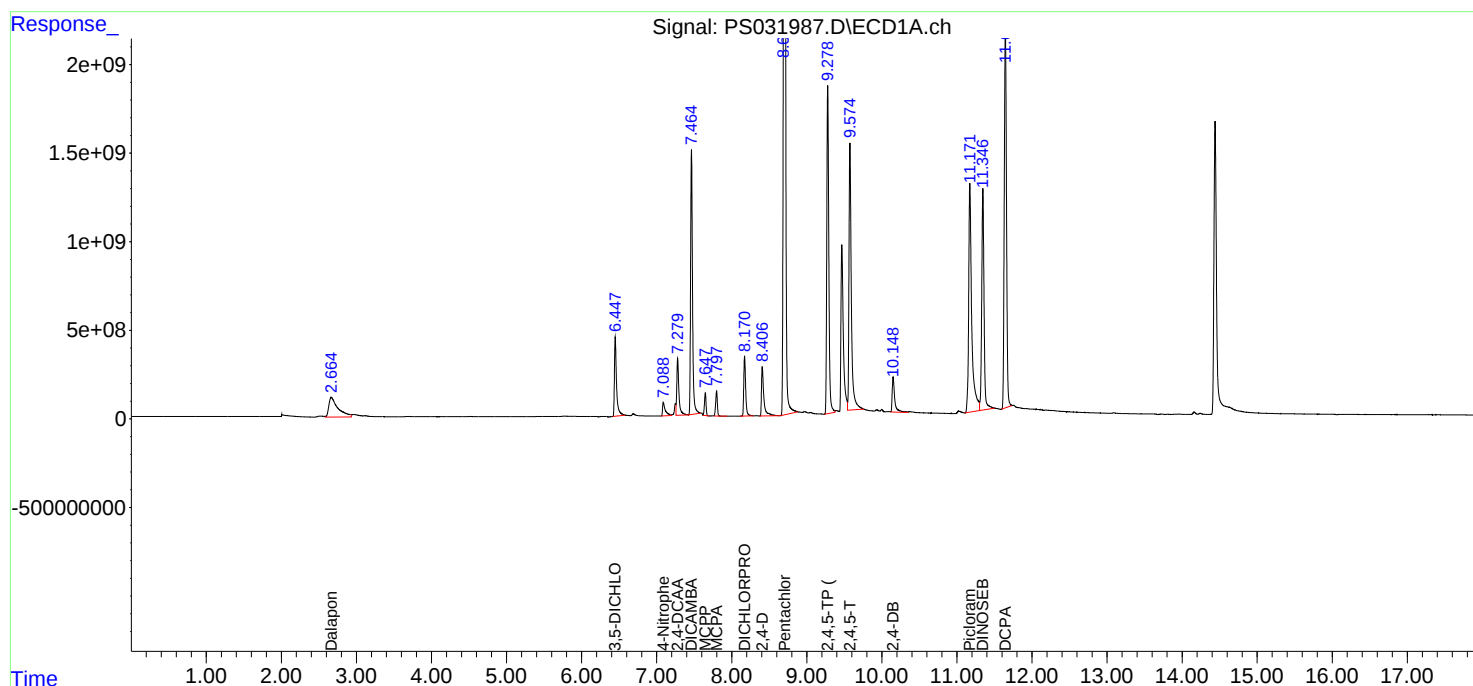
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

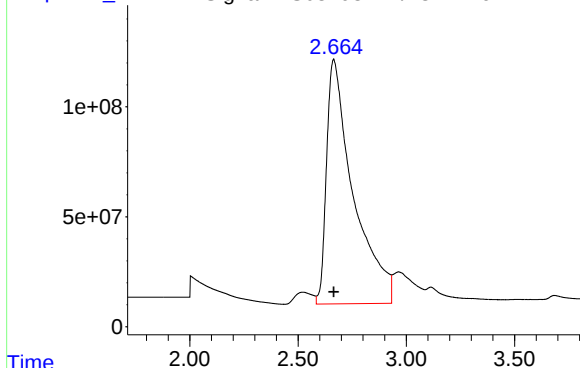
Manual Integrations
APPROVED

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





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

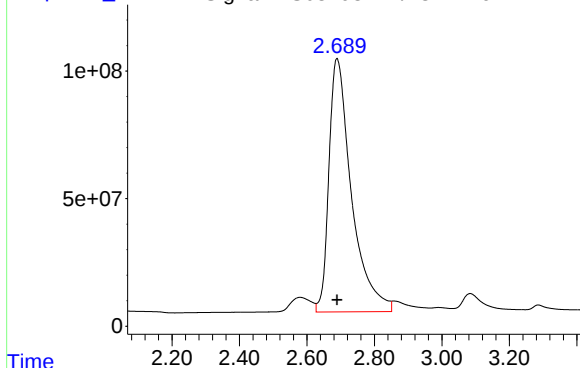
Reviewed By :Abdul Mirza 10/14/2025
Supervised By :mohammad ahmed 10/15/2025

Time

Response_

Signal: PS031987.D\ECD2B.ch

#1 Dalapon



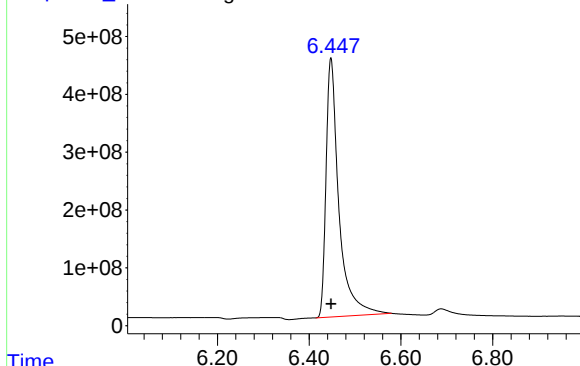
R.T.: 2.689 min
Delta R.T.: 0.000 min
Response: 4612995615
Conc: 1227.43 ng/ml

Time

Response_

Signal: PS031987.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID



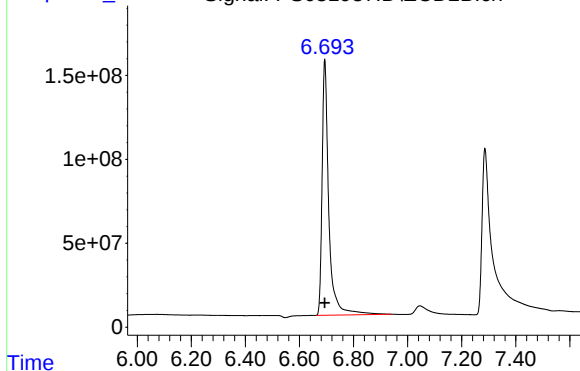
R.T.: 6.447 min
Delta R.T.: 0.000 min
Response: 8681431971
Conc: 1233.36 ng/ml

Time

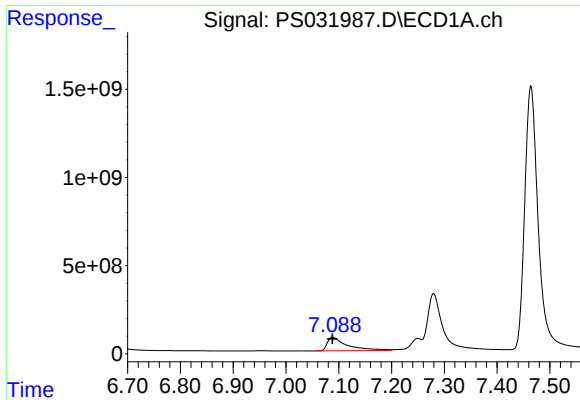
Response_

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



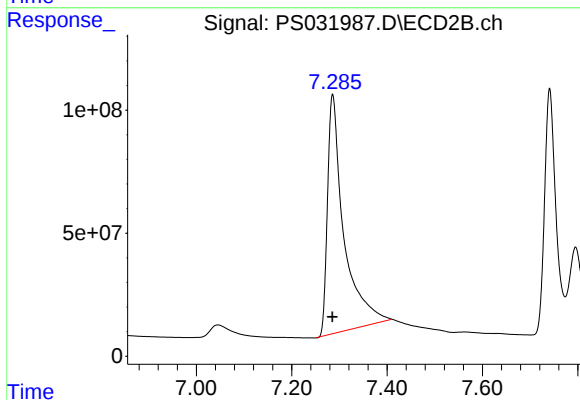
#3 4-Nitrophenol

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

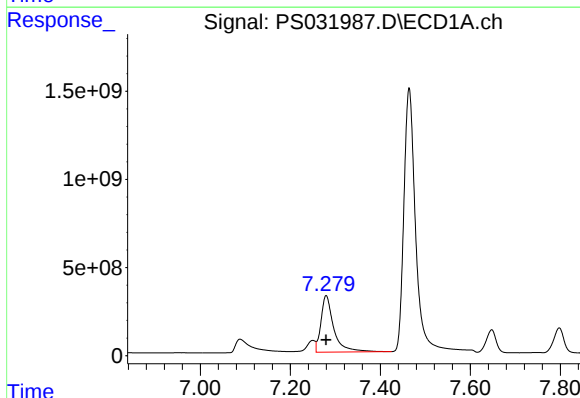
Manual Integrations
APPROVED

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



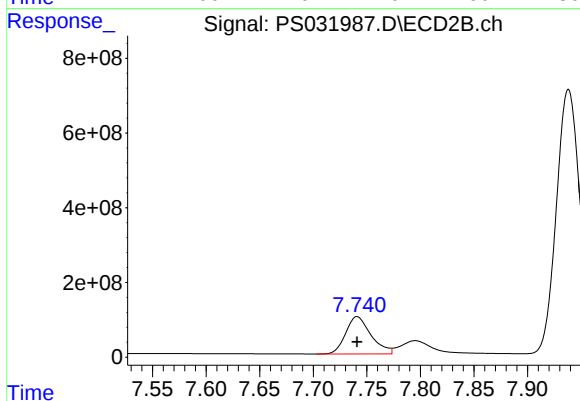
#3 4-Nitrophenol

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



#4 2,4-DCAA

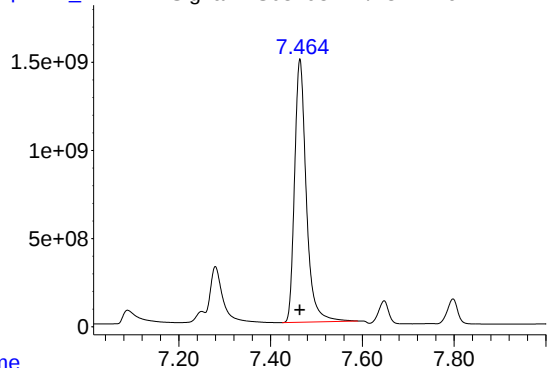
R.T.: 7.280 min
Delta R.T.: 0.000 min
Response: 6317614004
Conc: 1325.27 ng/ml



#4 2,4-DCAA

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

Response_ Signal: PS031987.D\ECD1A.ch



#5 DICAMBA

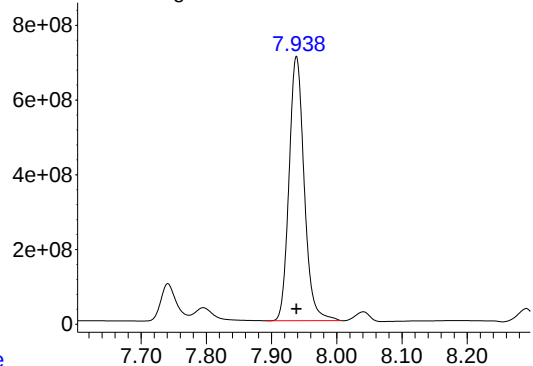
R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 26399188615
Conc: 1260.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

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

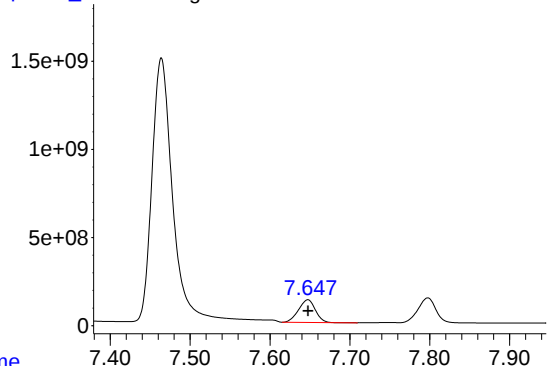
Time Response_ Signal: PS031987.D\ECD2B.ch



#5 DICAMBA

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

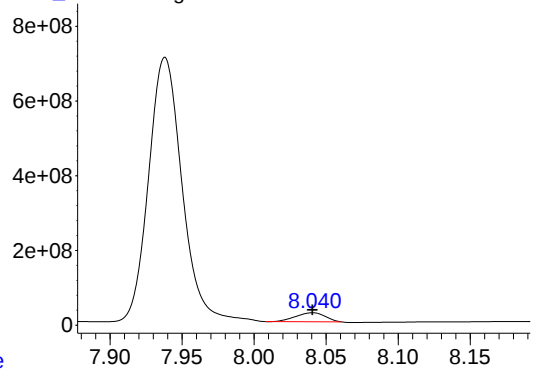
Time Response_ Signal: PS031987.D\ECD1A.ch



#6 MCPP

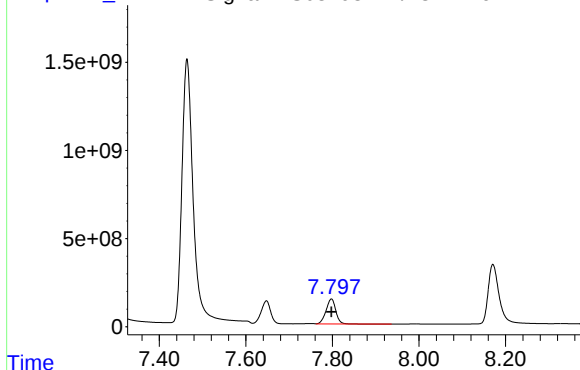
R.T.: 7.648 min
Delta R.T.: 0.000 min
Response: 1880088360
Conc: 153.75 ug/ml

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

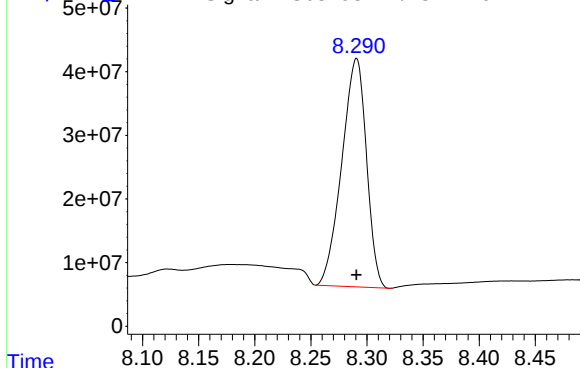
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

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

Response_ Signal: PS031987.D\ECD2B.ch

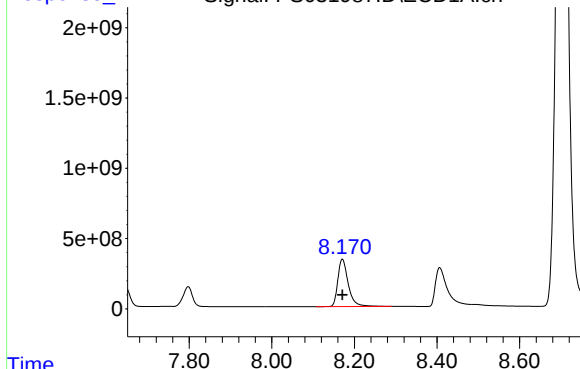
#7 MCPA



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

Response_ Signal: PS031987.D\ECD1A.ch

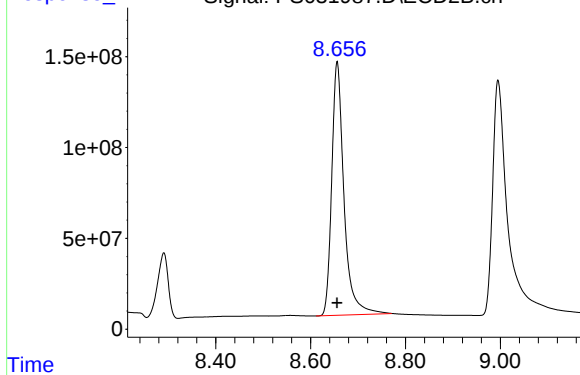
#8 DICHLORPROP



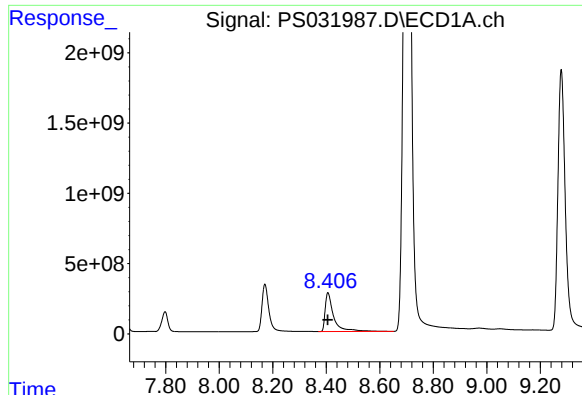
R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 5898387726
Conc: 1240.68 ng/ml

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



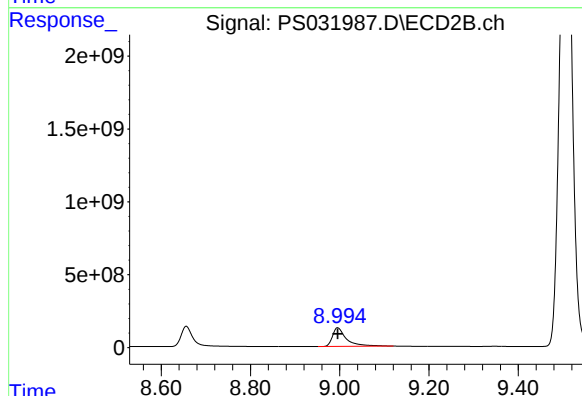
#9 2,4-D

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

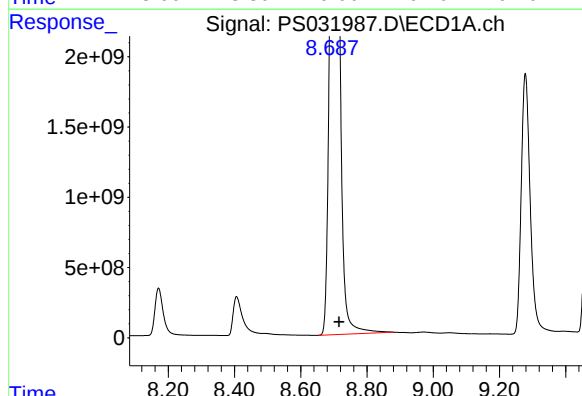
Manual Integrations
APPROVED

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



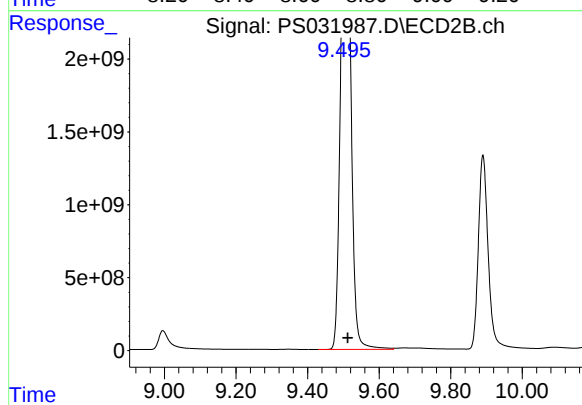
#9 2,4-D

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



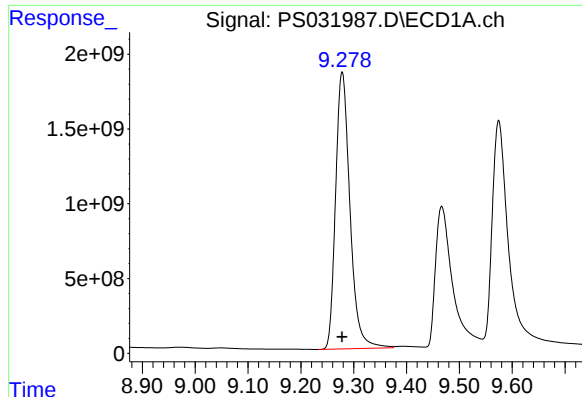
#10 Pentachlorophenol

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 :

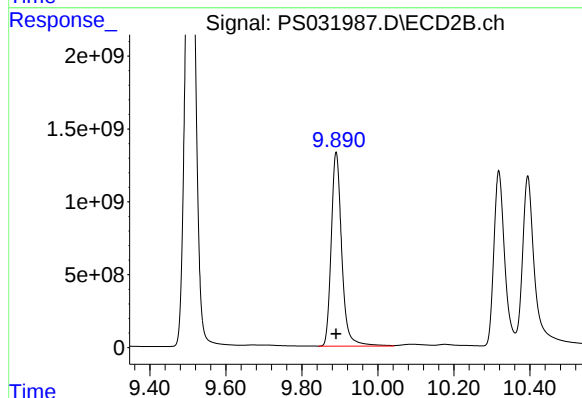
HSTDICC1500

Manual Integrations

APPROVED

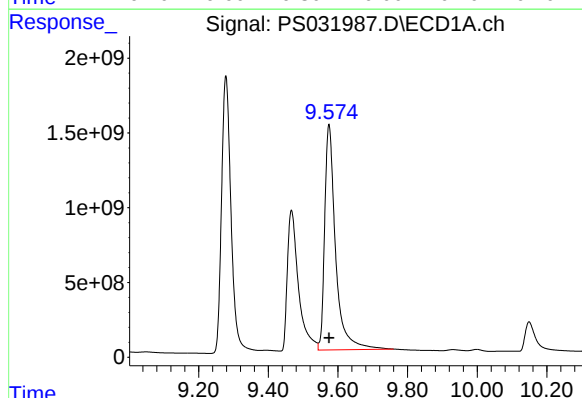
Reviewed By :Abdul Mirza 10/14/2025

Supervised By :mohammad ahmed 10/15/2025



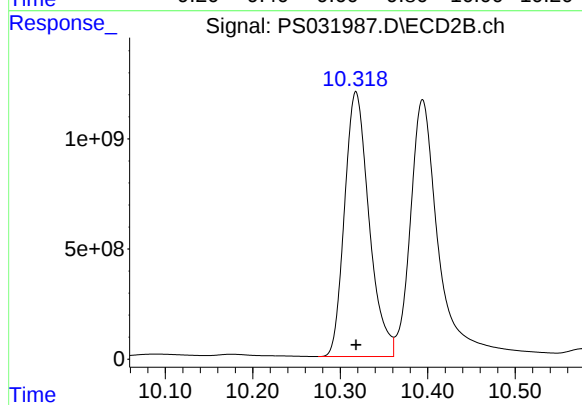
#11 2,4,5-TP (SILVEX)

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



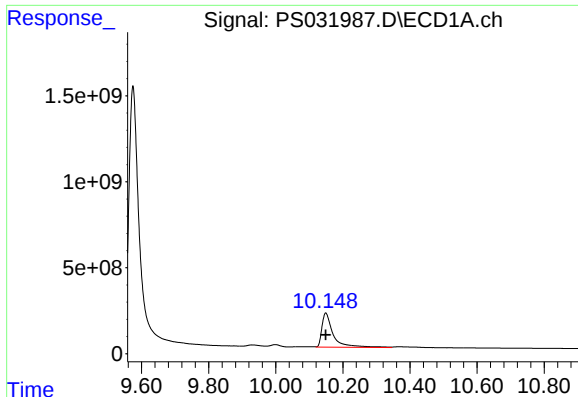
#12 2,4,5-T

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



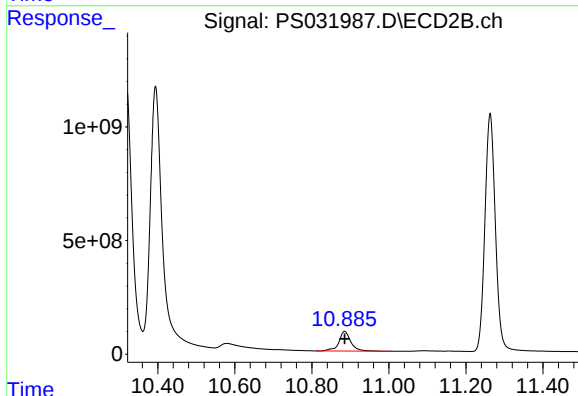
#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

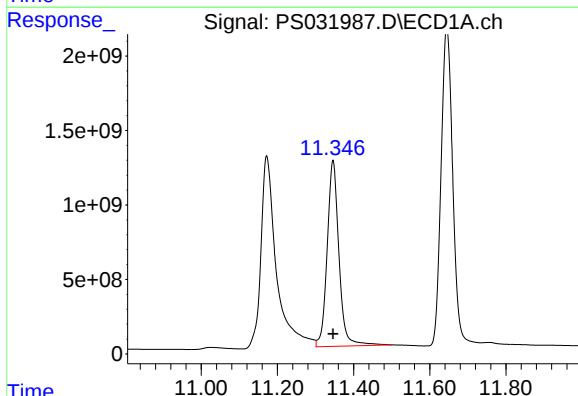
Manual Integrations
APPROVED

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



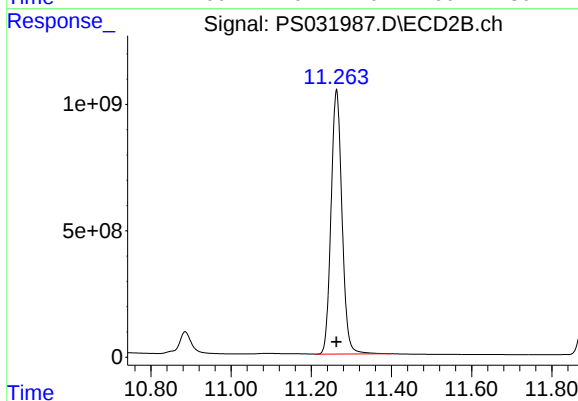
#13 2,4-DB

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



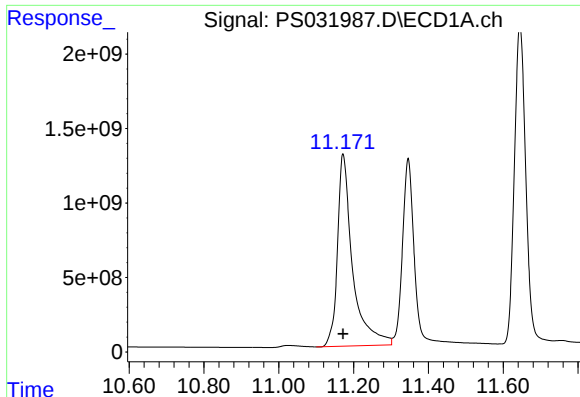
#14 DINOSEB

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

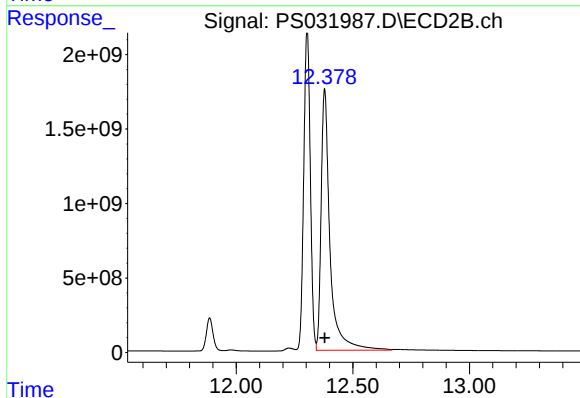
R.T.: 11.172 min
Delta R.T.: 0.000 min
Response: 36323642152
Conc: 1540.58 ng/ml

ICAL Form

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

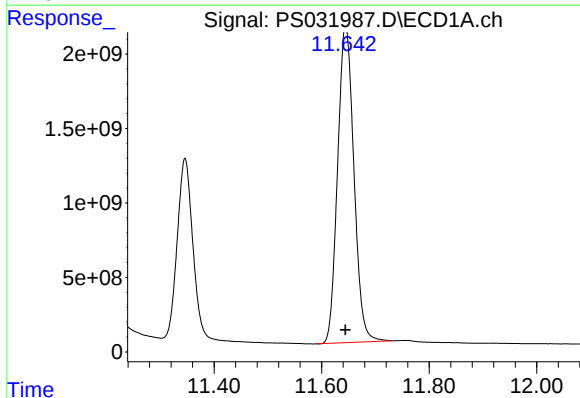
Manual Integrations
APPROVED

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



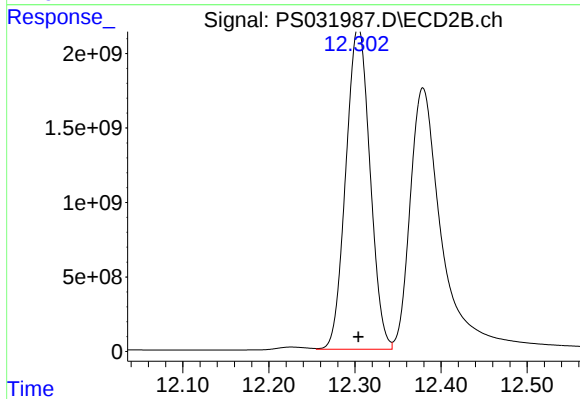
#15 Picloram

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	MCPD	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

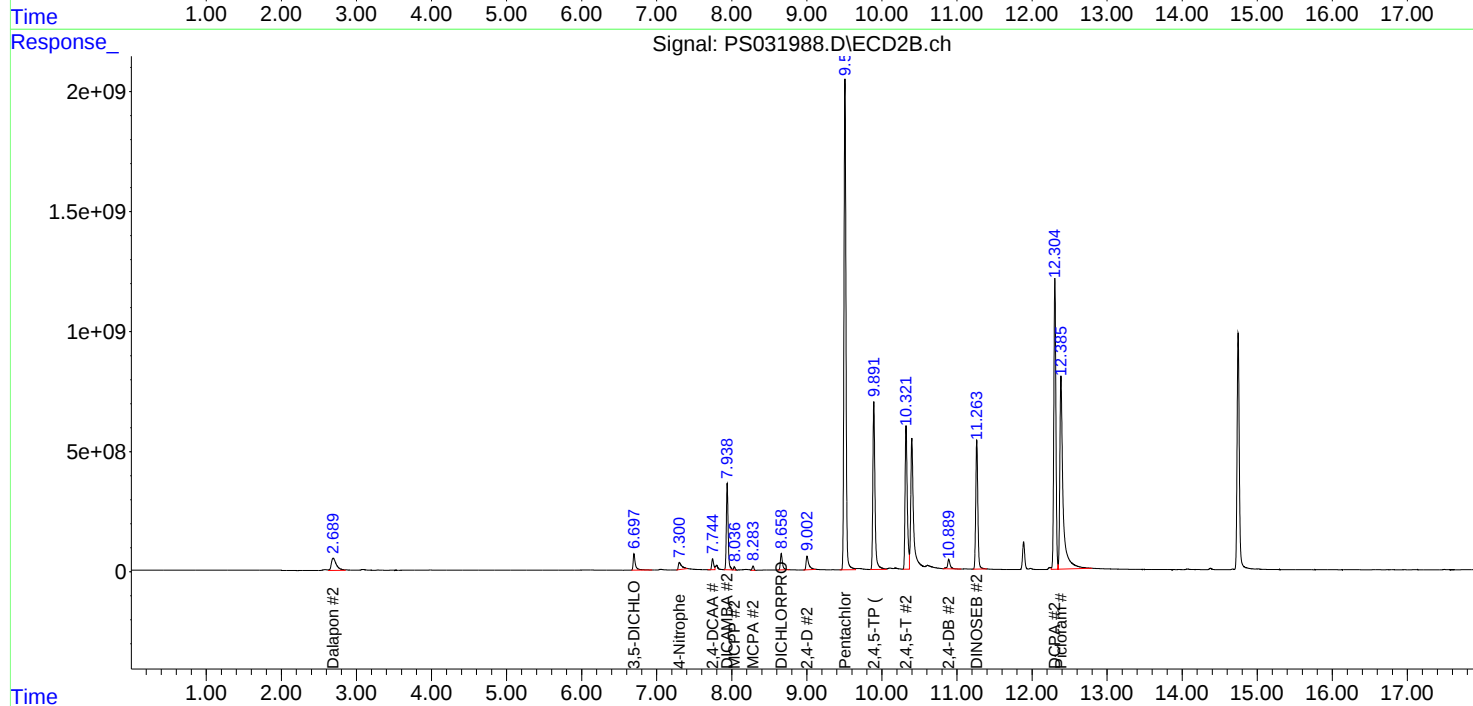
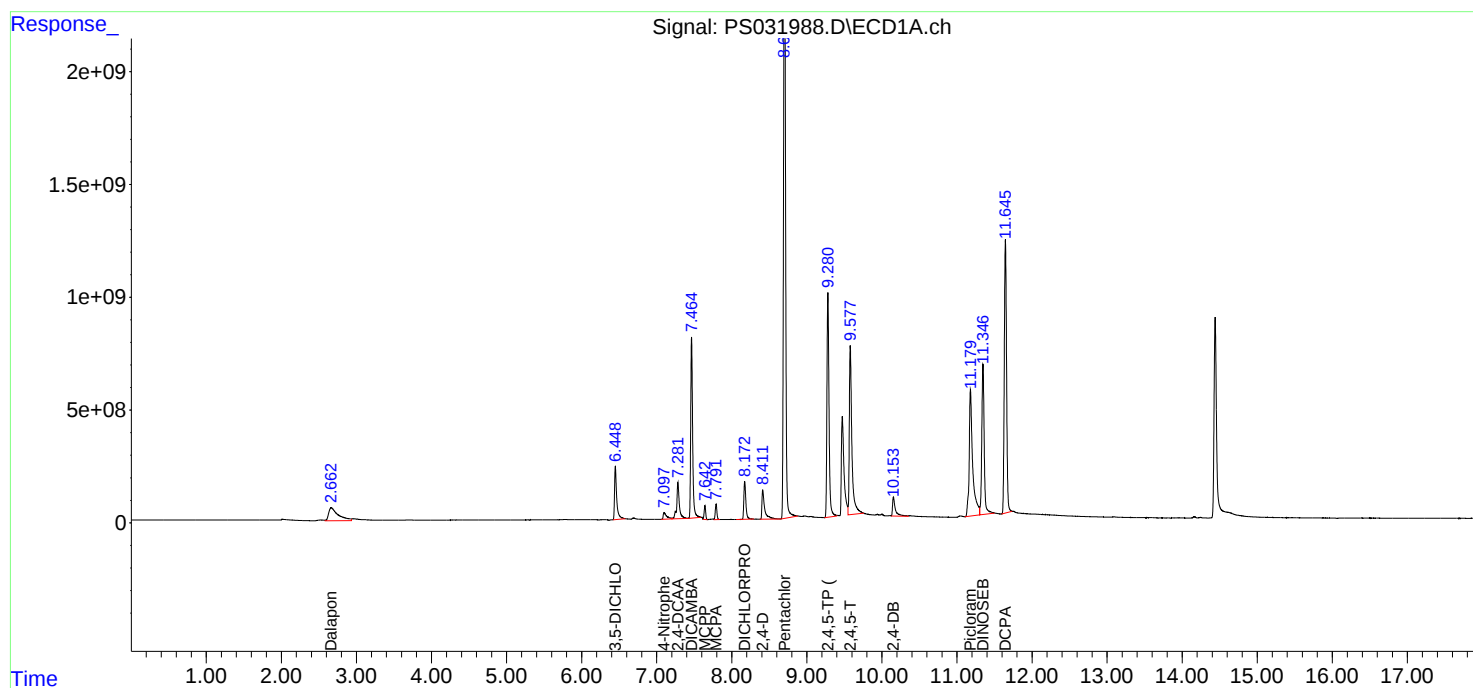
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

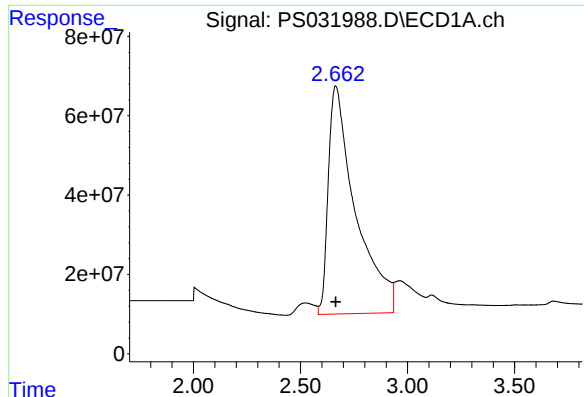
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101325\
Data File : PS031988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2025 12:52
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

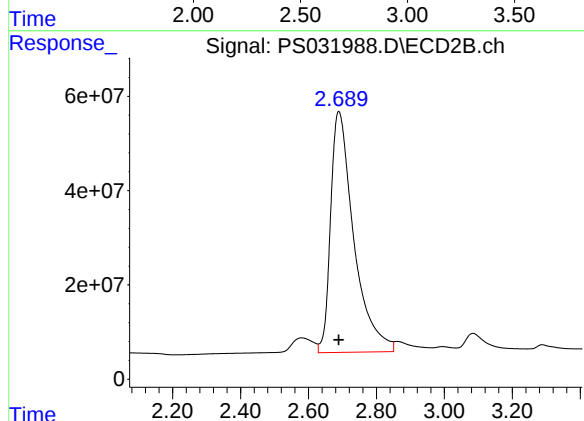




#1 Dalapon

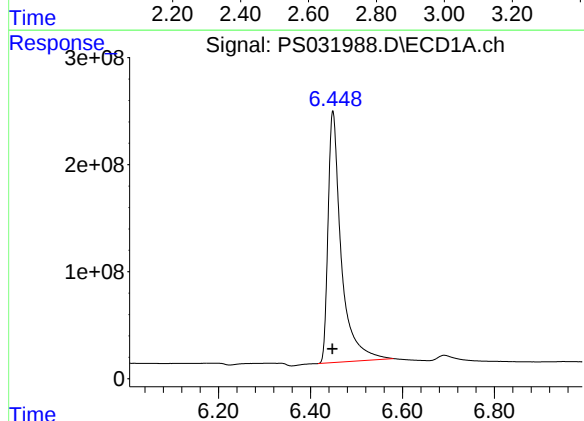
R.T.: 2.663 min
Delta R.T.: -0.002 min
Response: 5080055339
Conc: 657.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



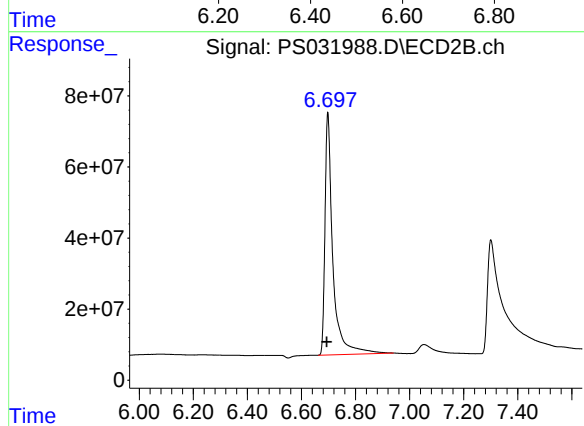
#1 Dalapon

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



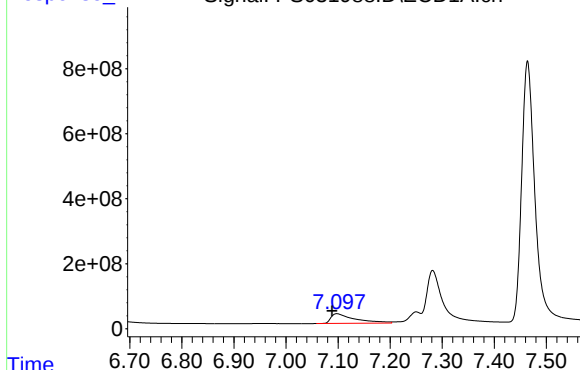
#2 3,5-DICHLOROBENZOIC ACID

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

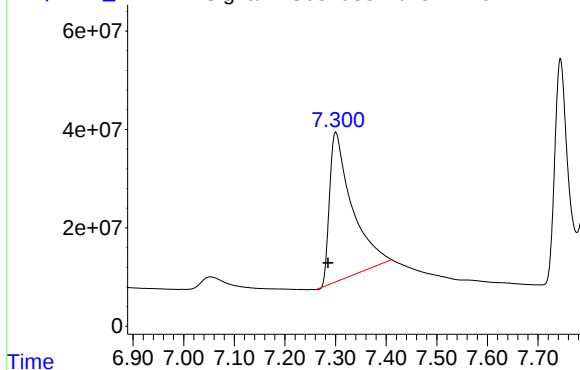
Instrument :
ECD_S
ClientSampleId :
ICVPS101325

Time

Response_

Signal: PS031988.D\ECD2B.ch

#3 4-Nitrophenol



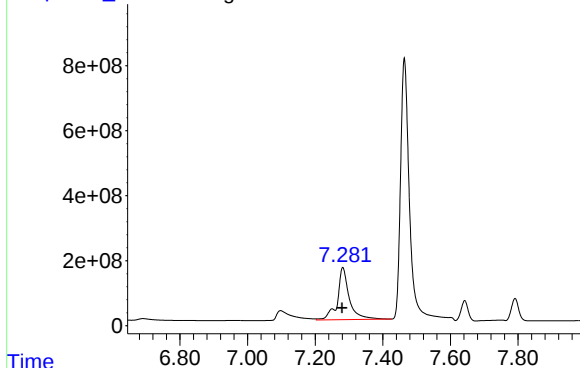
R.T.: 7.300 min
Delta R.T.: 0.015 min
Response: 934814800
Conc: 616.06 ng/ml

Time

Response_

Signal: PS031988.D\ECD1A.ch

#4 2,4-DCAA



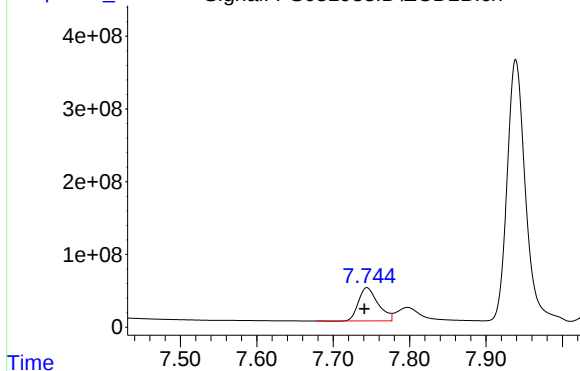
R.T.: 7.282 min
Delta R.T.: 0.002 min
Response: 3899320613
Conc: 817.98 ng/ml

Time

Response_

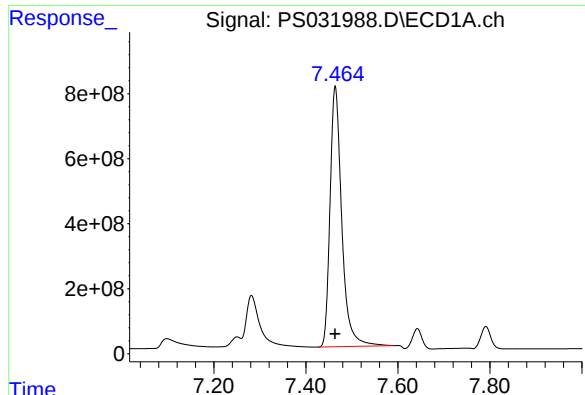
Signal: PS031988.D\ECD2B.ch

#4 2,4-DCAA



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

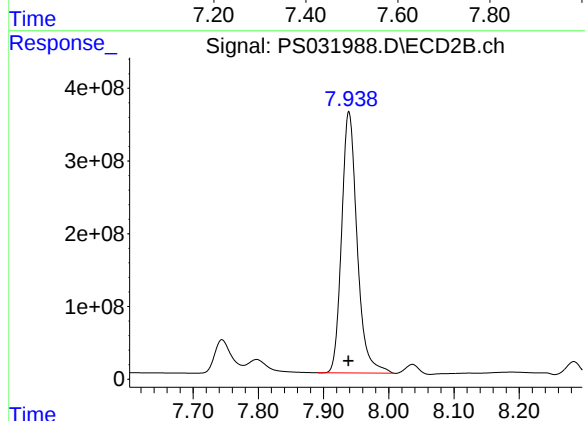
Time



#5 DICAMBA

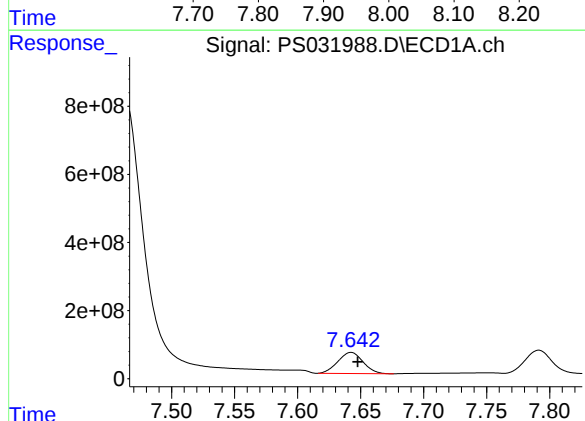
R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 14174135271
Conc: 676.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



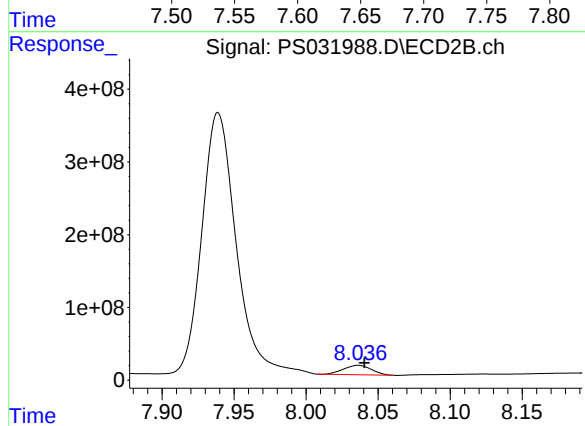
#5 DICAMBA

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



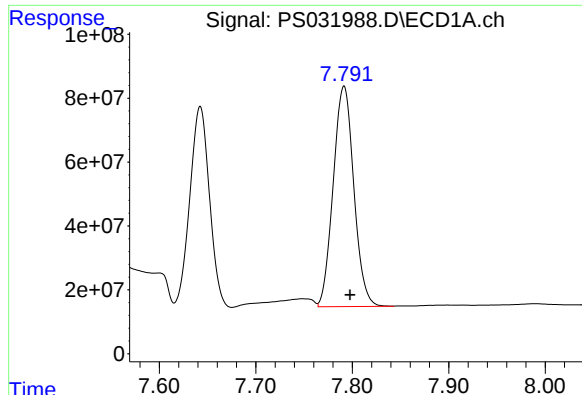
#6 MCP

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



#6 MCP

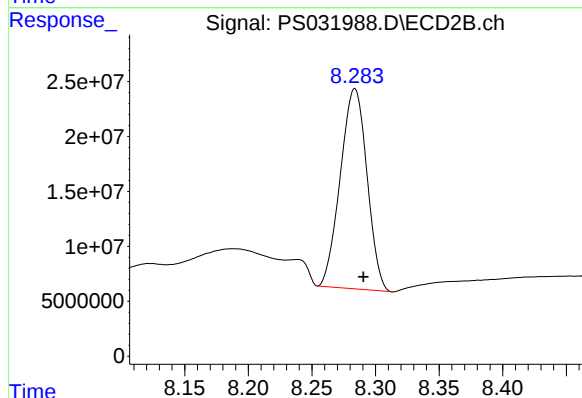
R.T.: 8.036 min
Delta R.T.: -0.004 min
Response: 173976247
Conc: 70.09 ug/ml



#7 MCPA

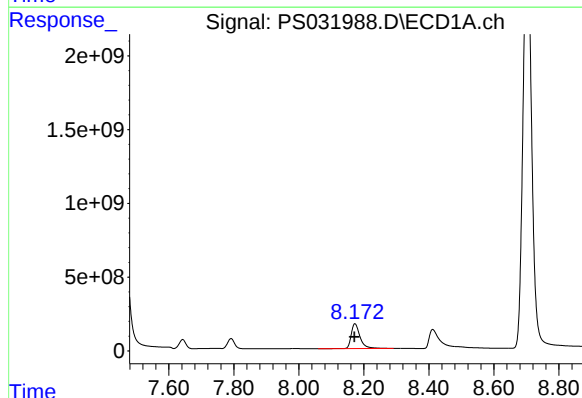
R.T.: 7.791 min
Delta R.T.: -0.006 min
Response: 1024405767
Conc: 69.61 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



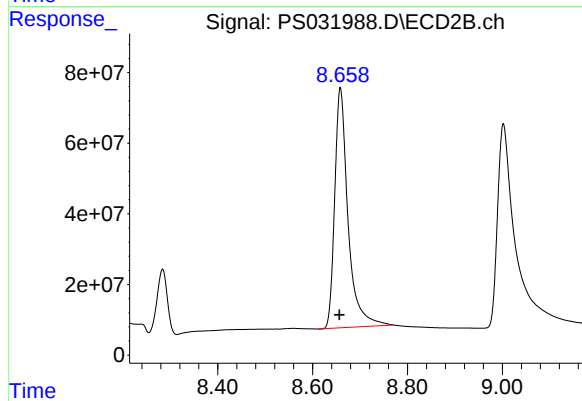
#7 MCPA

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



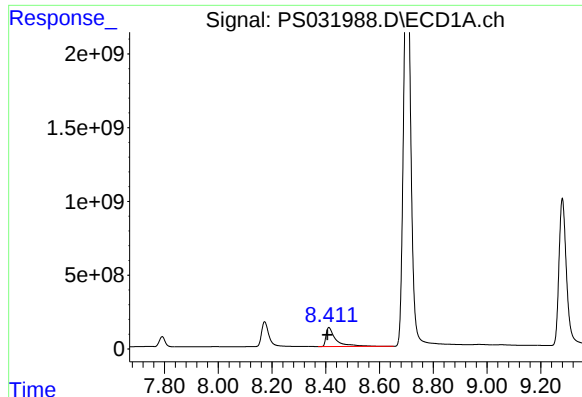
#8 DICHLORPROP

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



#8 DICHLORPROP

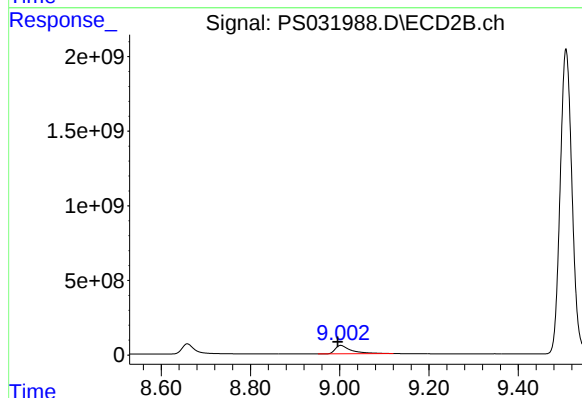
R.T.: 8.659 min
Delta R.T.: 0.002 min
Response: 1323601939
Conc: 675.91 ng/ml



#9 2,4-D

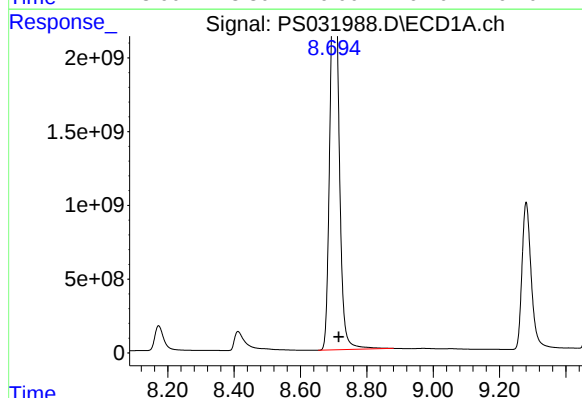
R.T.: 8.412 min
Delta R.T.: 0.006 min
Response: 3298470004
Conc: 679.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



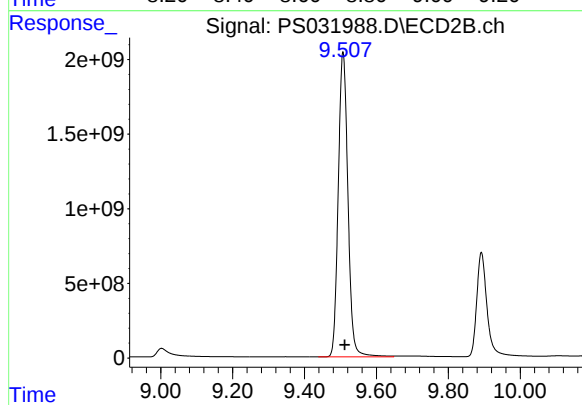
#9 2,4-D

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



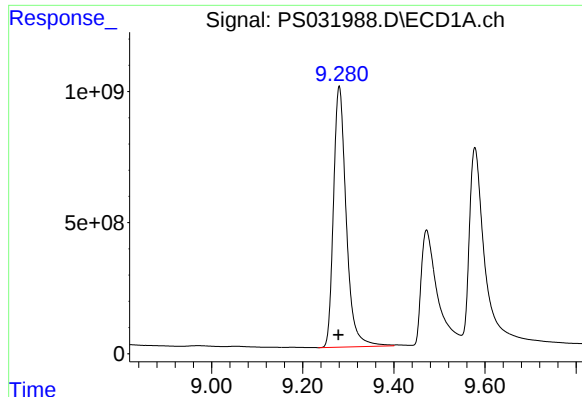
#10 Pentachlorophenol

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



#10 Pentachlorophenol

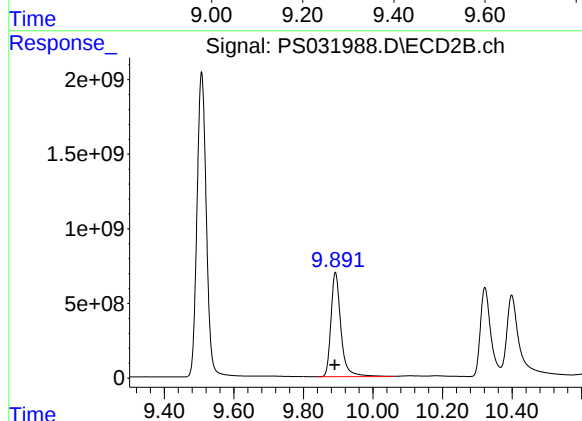
R.T.: 9.507 min
Delta R.T.: -0.005 min
Response: 38063550862
Conc: 734.48 ng/ml



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

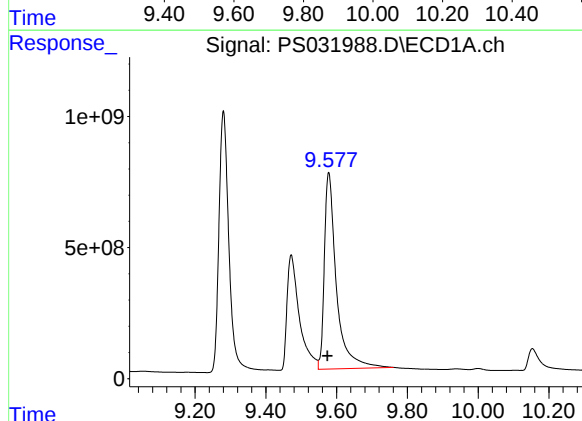
R.T.: 9.280 min
Delta R.T.: 0.002 min
Response: 19309126917
Conc: 683.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



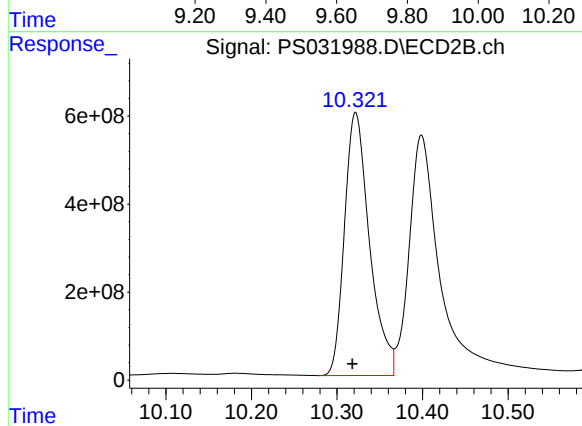
#11 2,4,5-TP (SILVEX)

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



#12 2,4,5-T

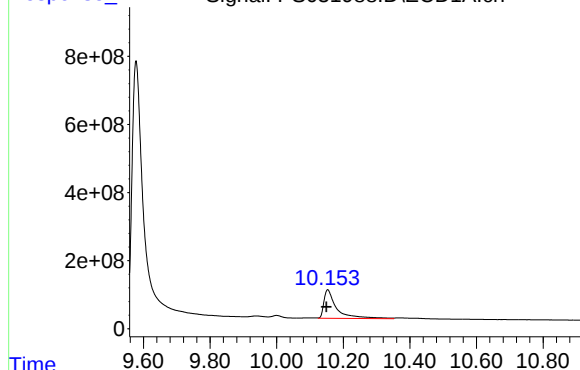
R.T.: 9.578 min
Delta R.T.: 0.004 min
Response: 17727294655
Conc: 702.23 ng/ml



#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

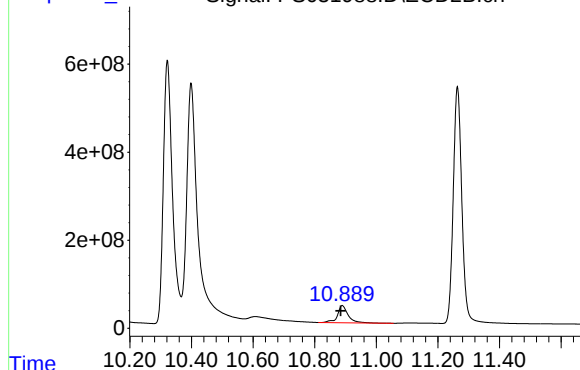


#13 2,4-DB

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

Instrument :
ECD_S
ClientSampleId :
ICVPS101325

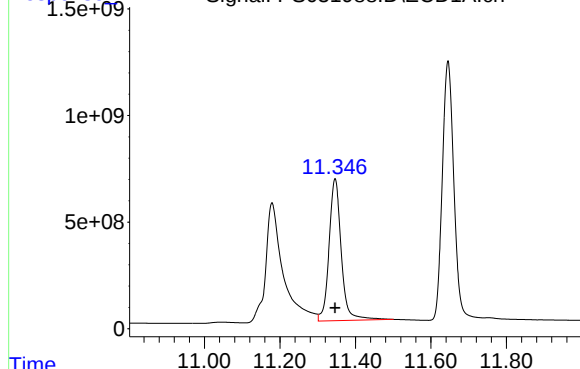
Response_ Signal: PS031988.D\ECD2B.ch



#13 2,4-DB

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

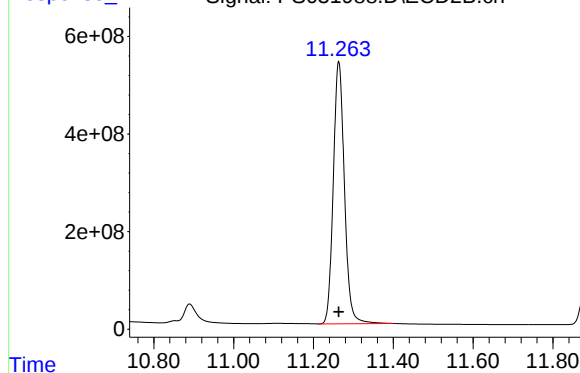
Response_ Signal: PS031988.D\ECD1A.ch



#14 DINOSEB

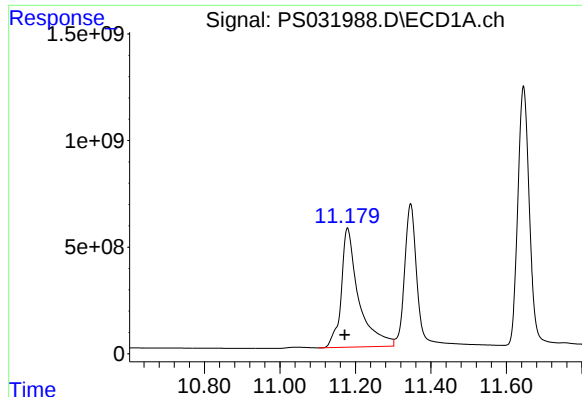
R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 14971657617
Conc: 671.35 ng/ml

Response_ Signal: PS031988.D\ECD2B.ch



#14 DINOSEB

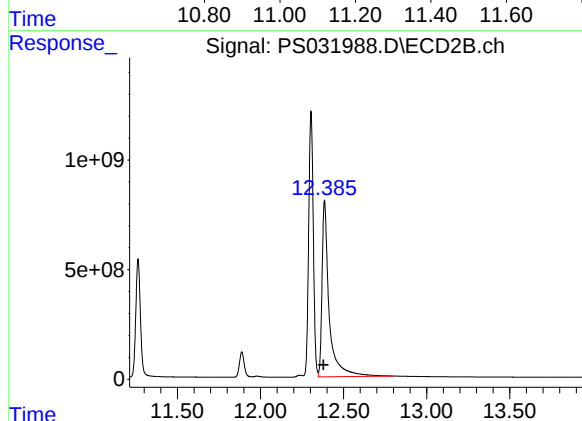
R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 10405452334
Conc: 684.43 ng/ml



#15 Picloram

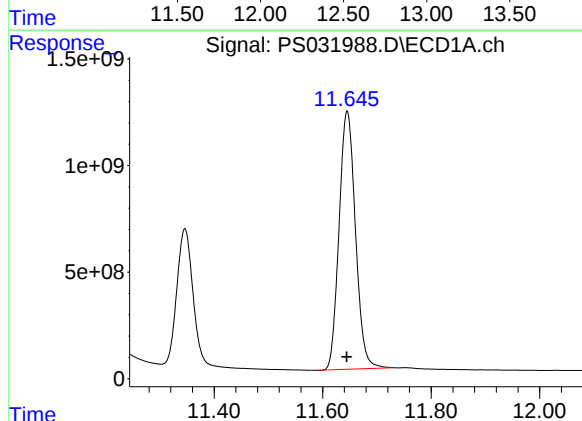
R.T.: 11.179 min
Delta R.T.: 0.007 min
Response: 17978975957
Conc: 762.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS101325



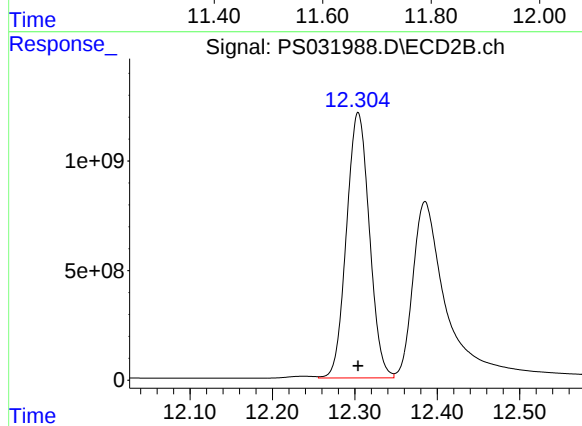
#15 Picloram

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: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/14/2025

Initial Calibration Date(s): 10/13/2025 10/13/2025

Continuing Calib Time: 21:32

Initial Calibration Time(s): 10:53 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.41	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.28	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:** ROYF02**Lab Code:** ACE**SDG NO.:** Q3321**Continuing Calib Date:** 10/14/2025**Initial Calibration Date(s):** 10/13/2025 10/13/2025**Continuing Calib Time:** 21:32**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:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/13/2025 10/13/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/14/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032014.D **Time Analyzed:** 21:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.278	9.180	9.380	703.230	712.500	-1.3
2,4-D	8.408	8.312	8.512	715.770	705.000	1.5
2,4-DCAA	7.280	7.182	7.382	736.750	750.000	-1.8



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ROYF02
Lab Code: ACE SDG NO.: Q3321
GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/13/2025 10/13/2025

Client Sample No.: CCAL01 Date Analyzed: 10/14/2025
Lab Sample No.: HSTDCCC750 Data File : PS032014.D Time Analyzed: 21:32

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.891	9.792	9.992	709.630	712.500	-0.4
2,4-D	9.000	8.902	9.102	720.290	705.000	2.2
2,4-DCAA	7.742	7.644	7.844	791.240	750.000	5.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
 Data File : PS032014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 21:32
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/15/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 03:23:55 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	7.742	3512.1E6	870.6E6	736.752	791.238
Target Compounds							
1) T	Dalapon	2.660	2.687	5015.0E6	2555.6E6	648.977	679.991
2) T	3,5-DICHL...	6.448	6.695	4839.8E6	1459.6E6	687.589	699.737
3) T	4-Nitroph...	7.092	7.296	1005.8E6	1085.5E6	753.622m	715.387
5) T	DICAMBA	7.463	7.938	14473.8E6	6164.9E6	691.126	711.814
6) T	MCPD	7.642	8.036	888.7E6	184.3E6	72.675	74.231
7) T	MCPA	7.791	8.283	1072.3E6	276.5E6	72.867	73.305
8) T	DICHLORPROP	8.171	8.657	3236.4E6	1372.3E6	680.746	700.772
9) T	2,4-D	8.408	9.000	3475.7E6	1497.0E6	715.769	720.295
10) T	Pentachlo...	8.706	9.507	48203.9E6	39153.1E6	718.180	755.504
11) T	2,4,5-TP ...	9.278	9.891	19860.6E6	14245.6E6	703.228	709.625
12) T	2,4,5-T	9.576	10.320	18621.8E6	12655.0E6	737.666	738.131
13) T	2,4-DB	10.151	10.888	2465.6E6	989.4E6	795.275	765.711
14) T	DINOSEB	11.344	11.263	15250.2E6	10889.2E6	683.840	716.253
15) T	Picloram	11.175	12.384	18239.3E6	23015.2E6	773.578	691.313
16) T	DCPA	11.644	12.303	25860.3E6	23678.9E6	703.869	712.971

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
Data File : PS032014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 21:32
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

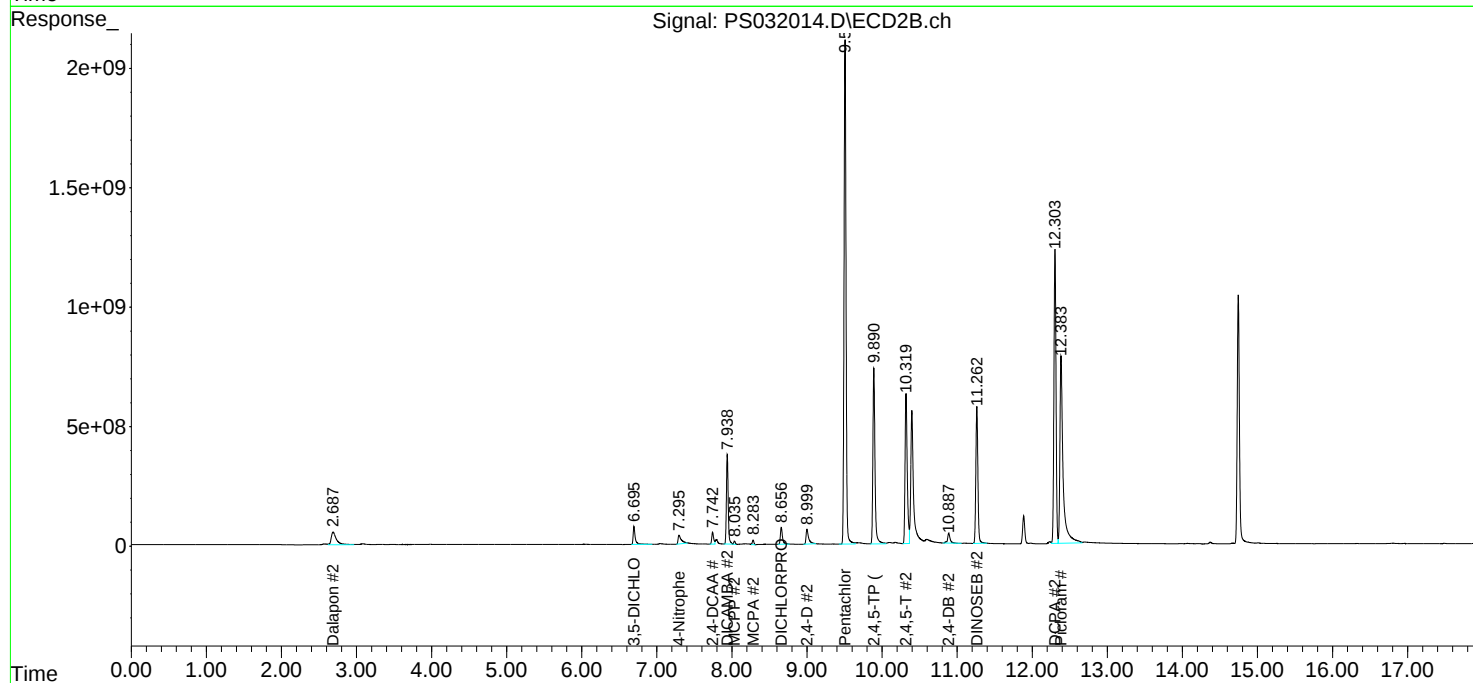
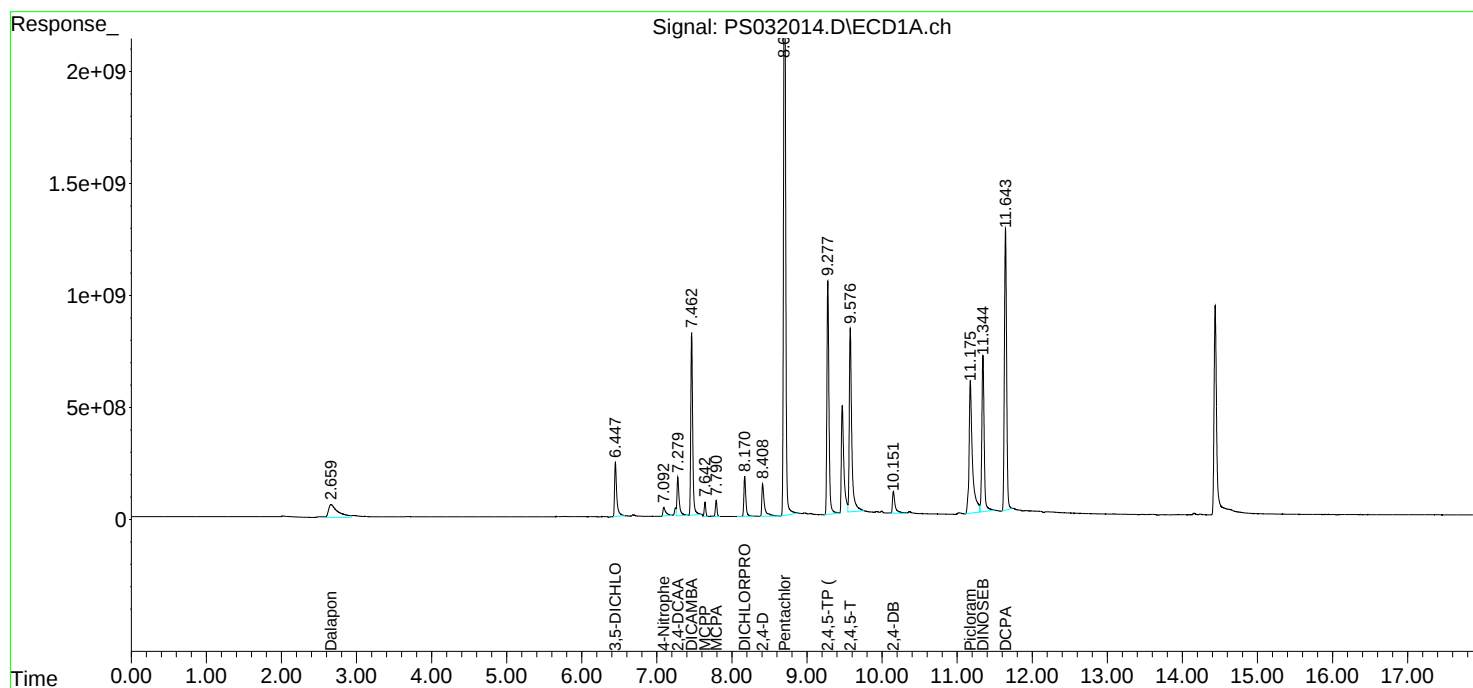
APPROVED

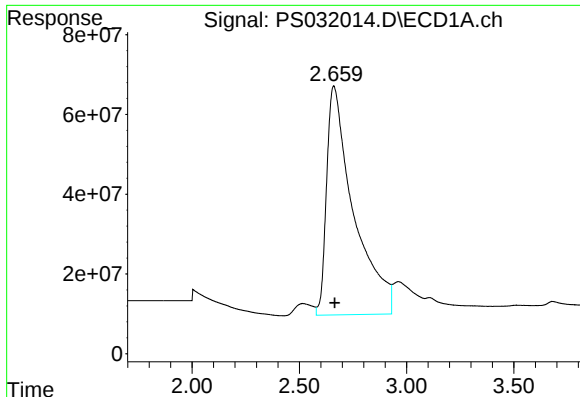
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:23:55 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





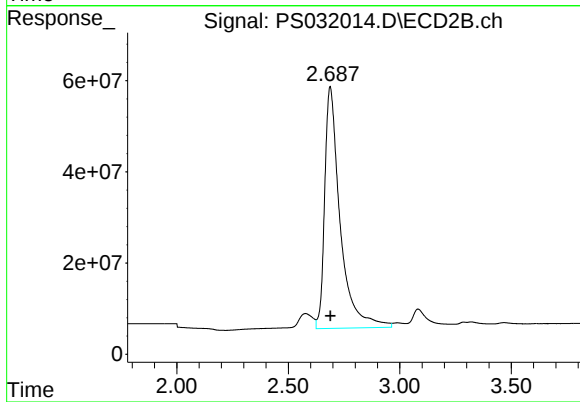
#1 Dalapon

R.T.: 2.660 min
Delta R.T.: -0.005 min
Response: 5014987453
Conc: 648.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

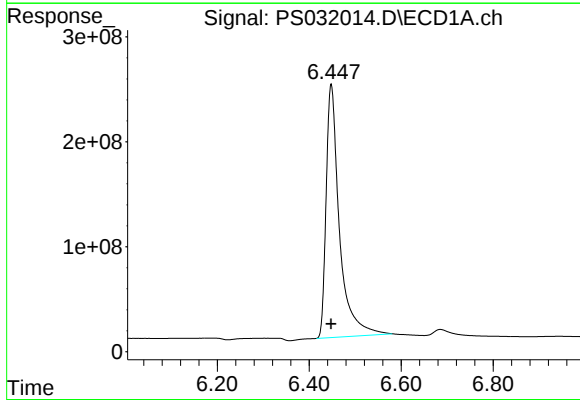
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



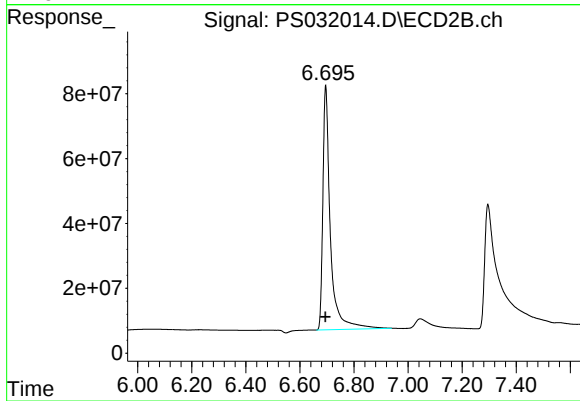
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: -0.002 min
Response: 2555587895
Conc: 679.99 ng/ml



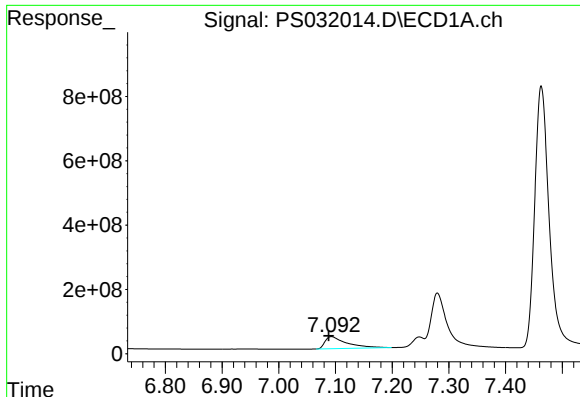
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 4839847937
Conc: 687.59 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.695 min
Delta R.T.: 0.002 min
Response: 1459568326
Conc: 699.74 ng/ml



#3 4-Nitrophenol

R.T.: 7.092 min
Delta R.T.: 0.004 min
Response: 1005846917
Conc: 753.62 ng/ml

Instrument :

ECD_S

ClientSampleId :

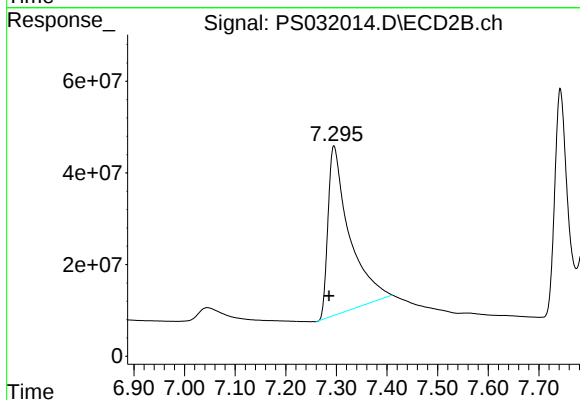
HSTDCCC750

Manual Integrations

APPROVED

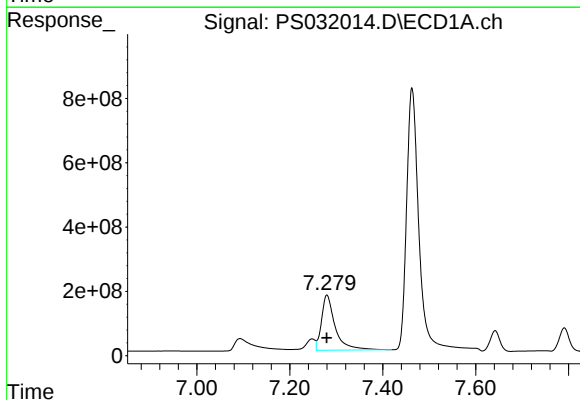
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



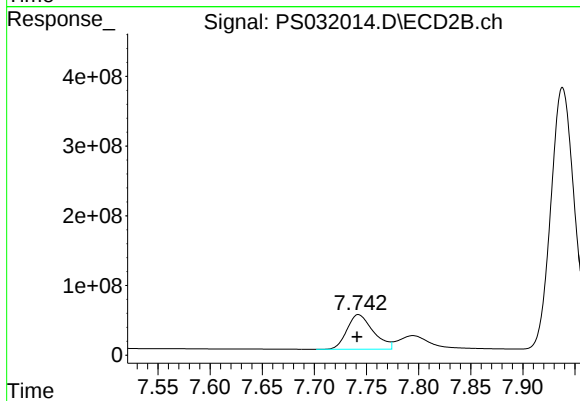
#3 4-Nitrophenol

R.T.: 7.296 min
Delta R.T.: 0.010 min
Response: 1085536337
Conc: 715.39 ng/ml



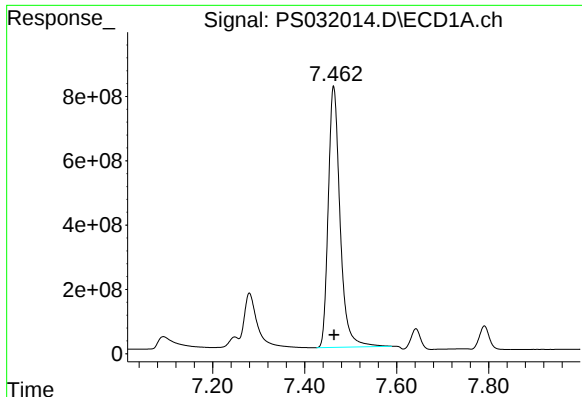
#4 2,4-DCAA

R.T.: 7.280 min
Delta R.T.: 0.000 min
Response: 3512120131
Conc: 736.75 ng/ml



#4 2,4-DCAA

R.T.: 7.742 min
Delta R.T.: 0.001 min
Response: 870631157
Conc: 791.24 ng/ml



#5 DICAMBA

R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 14473810700
Conc: 691.13 ng/ml

Instrument :

ECD_S

ClientSampleId :

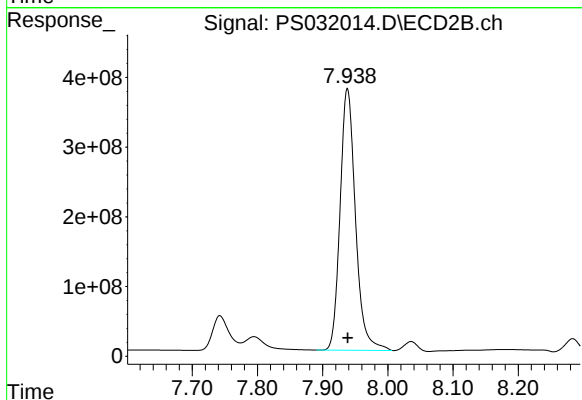
HSTDCCC750

Manual Integrations

APPROVED

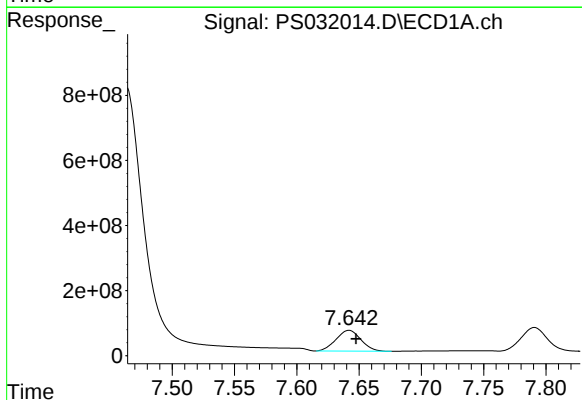
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



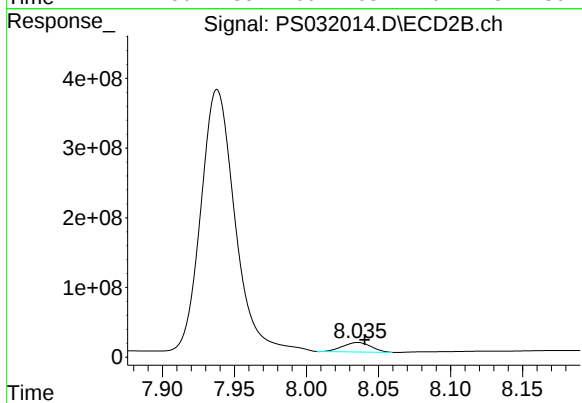
#5 DICAMBA

R.T.: 7.938 min
Delta R.T.: 0.000 min
Response: 6164937542
Conc: 711.81 ng/ml



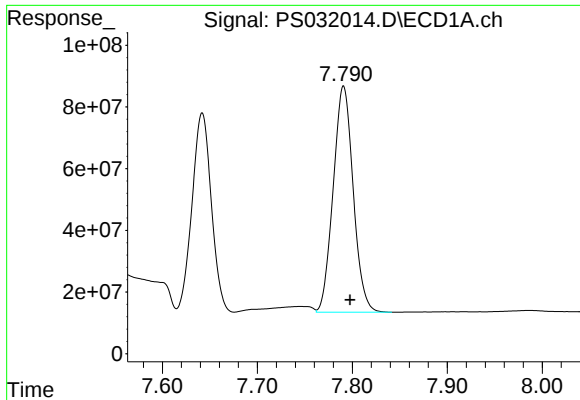
#6 MCP

R.T.: 7.642 min
Delta R.T.: -0.006 min
Response: 888701917
Conc: 72.67 ug/ml



#6 MCP

R.T.: 8.036 min
Delta R.T.: -0.005 min
Response: 184260585
Conc: 74.23 ug/ml



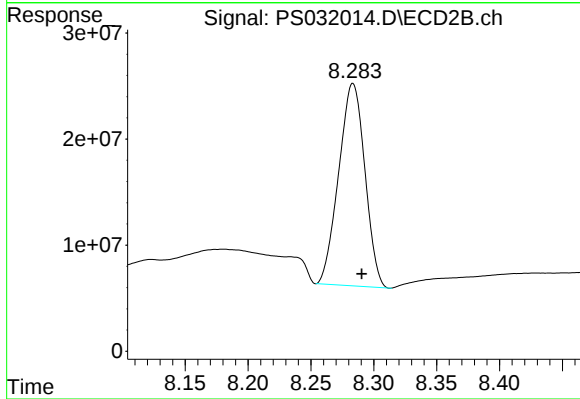
#7 MCPA

R.T.: 7.791 min
Delta R.T.: -0.007 min
Response: 1072327114
Conc: 72.87 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

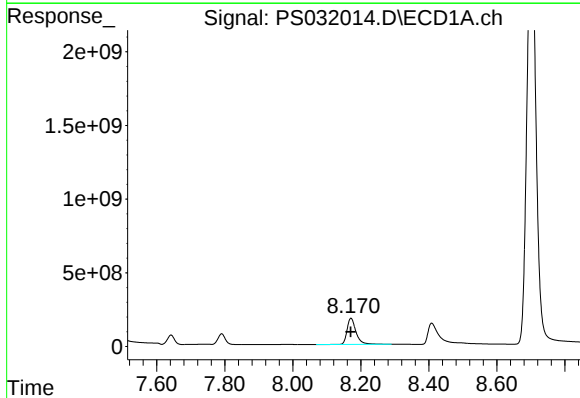
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



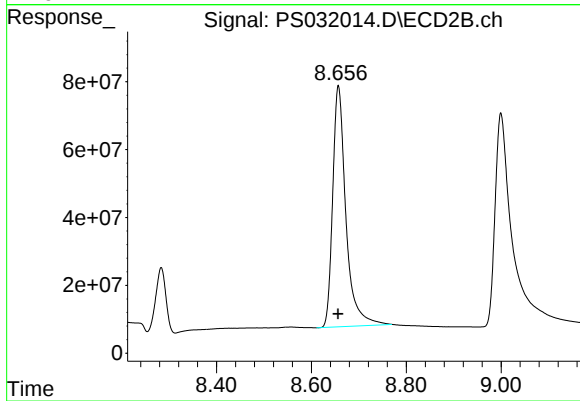
#7 MCPA

R.T.: 8.283 min
Delta R.T.: -0.007 min
Response: 276534296
Conc: 73.31 ug/ml



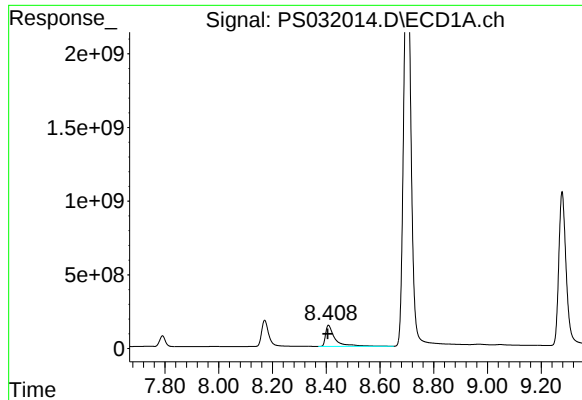
#8 DICHLORPROP

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 3236366844
Conc: 680.75 ng/ml



#8 DICHLORPROP

R.T.: 8.657 min
Delta R.T.: 0.000 min
Response: 1372294671
Conc: 700.77 ng/ml



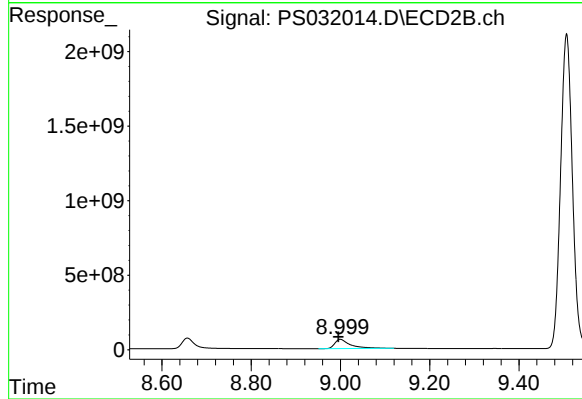
#9 2,4-D

R.T.: 8.408 min
Delta R.T.: 0.002 min
Response: 3475684819
Conc: 715.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

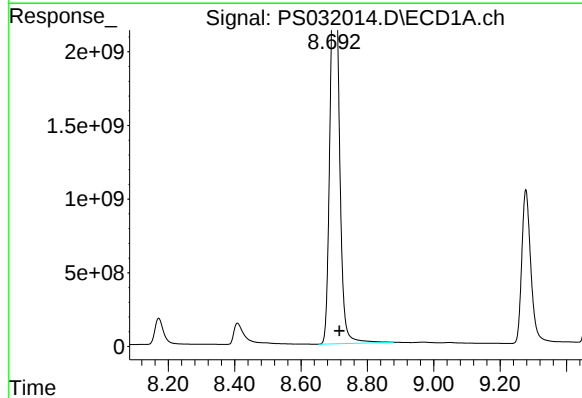
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



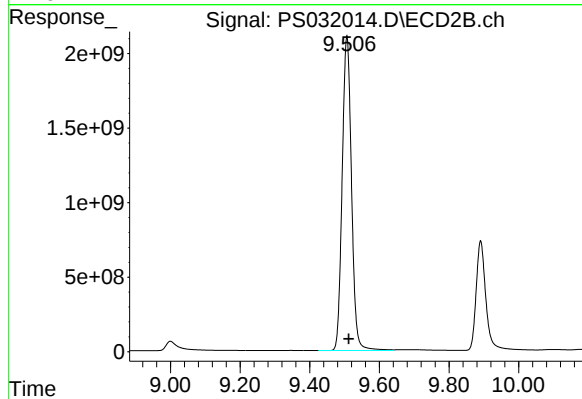
#9 2,4-D

R.T.: 9.000 min
Delta R.T.: 0.004 min
Response: 1496986583
Conc: 720.29 ng/ml



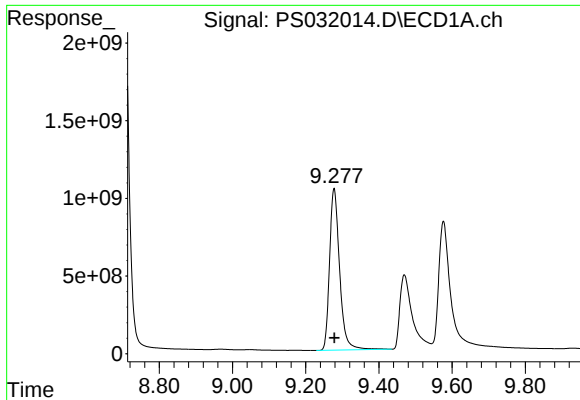
#10 Pentachlorophenol

R.T.: 8.706 min
Delta R.T.: -0.009 min
Response: 48203893846
Conc: 718.18 ng/ml



#10 Pentachlorophenol

R.T.: 9.507 min
Delta R.T.: -0.005 min
Response: 39153141171
Conc: 755.50 ng/ml



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

R.T.: 9.278 min
Delta R.T.: 0.000 min
Response: 19860591373
Conc: 703.23 ng/ml

Instrument :

ECD_S

ClientSampleId :

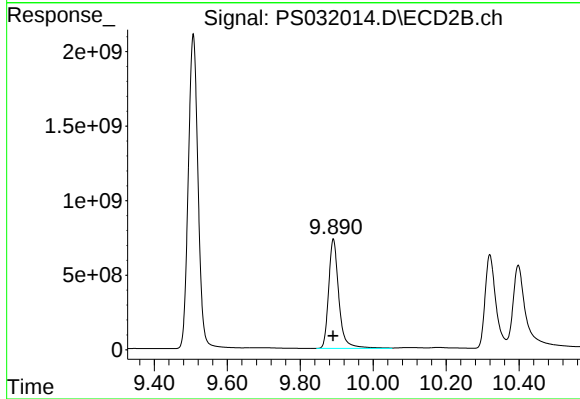
HSTDCCC750

Manual Integrations

APPROVED

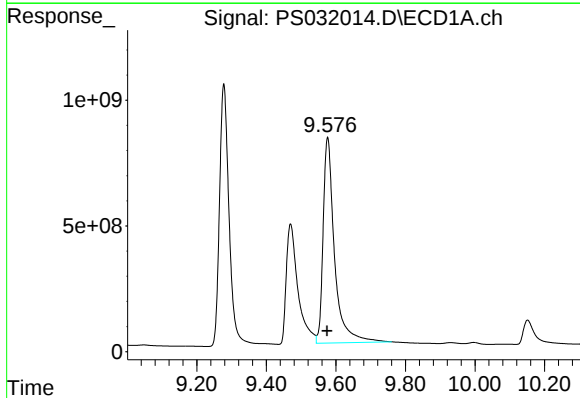
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



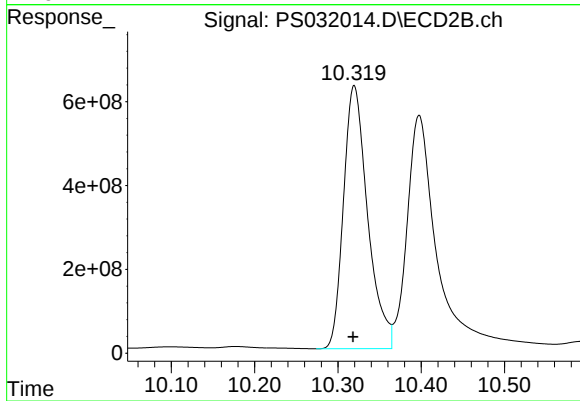
#11 2,4,5-TP (SILVEX)

R.T.: 9.891 min
Delta R.T.: 0.000 min
Response: 14245627891
Conc: 709.63 ng/ml



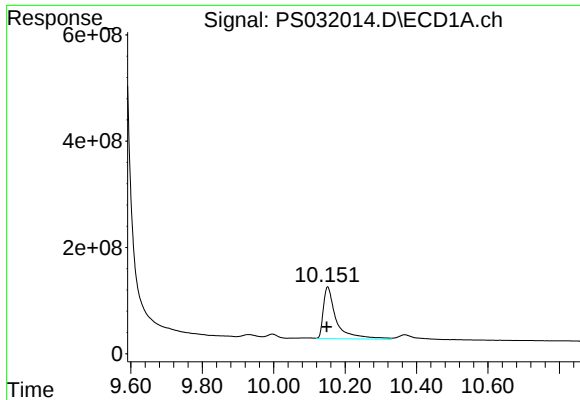
#12 2,4,5-T

R.T.: 9.576 min
Delta R.T.: 0.002 min
Response: 18621825475
Conc: 737.67 ng/ml



#12 2,4,5-T

R.T.: 10.320 min
Delta R.T.: 0.002 min
Response: 12655018001
Conc: 738.13 ng/ml



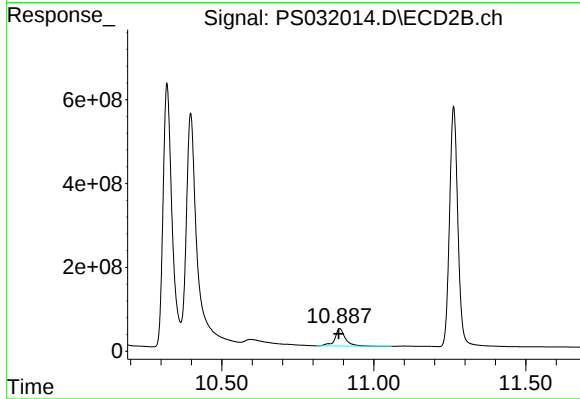
#13 2,4-DB

R.T.: 10.151 min
Delta R.T.: 0.002 min
Response: 2465605578
Conc: 795.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

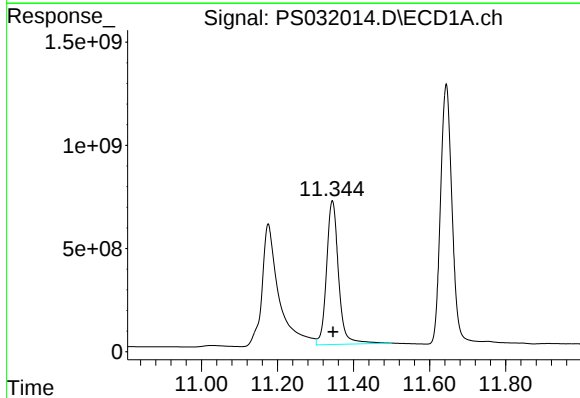
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



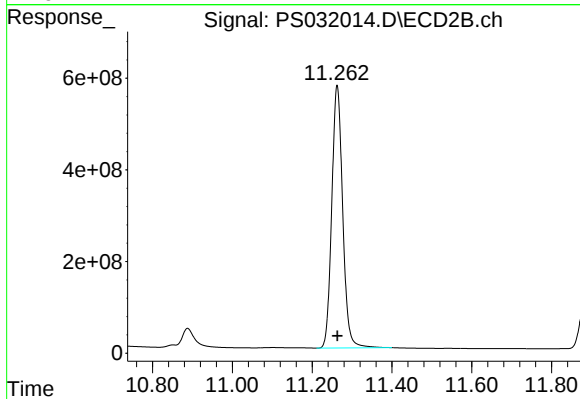
#13 2,4-DB

R.T.: 10.888 min
Delta R.T.: 0.002 min
Response: 989369083
Conc: 765.71 ng/ml



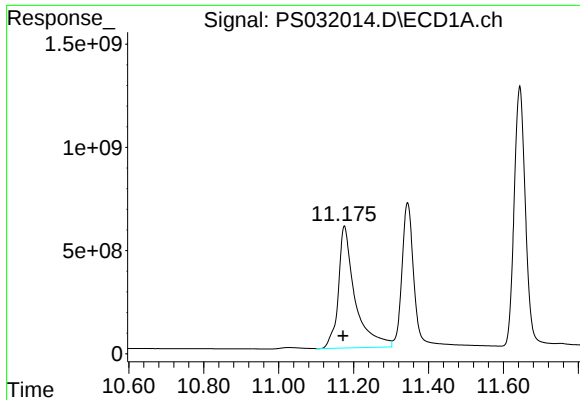
#14 DINOSEB

R.T.: 11.344 min
Delta R.T.: -0.002 min
Response: 15250234741
Conc: 683.84 ng/ml



#14 DINOSEB

R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 10889245930
Conc: 716.25 ng/ml



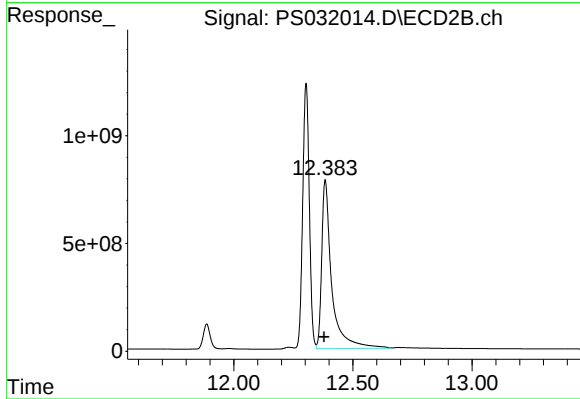
#15 Picloram

R.T.: 11.175 min
Delta R.T.: 0.004 min
Response: 18239308776
Conc: 773.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

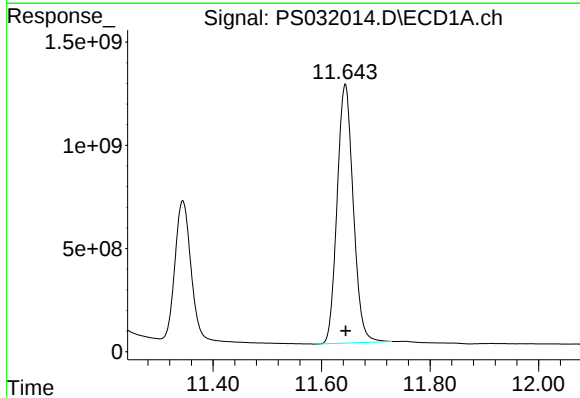
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



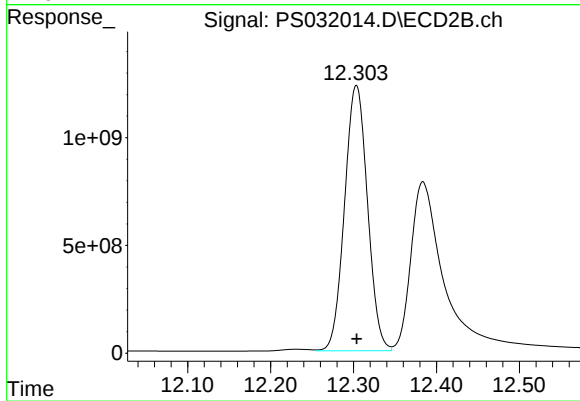
#15 Picloram

R.T.: 12.384 min
Delta R.T.: 0.005 min
Response: 23015203445
Conc: 691.31 ng/ml



#16 DCPA

R.T.: 11.644 min
Delta R.T.: 0.000 min
Response: 25860306618
Conc: 703.87 ng/ml



#16 DCPA

R.T.: 12.303 min
Delta R.T.: 0.000 min
Response: 23678925441
Conc: 712.97 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 10/13/2025 10/13/2025

Continuing Calib Time: 01:09

Initial Calibration Time(s): 10:53 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.41	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 10/13/2025 10/13/2025

Continuing Calib Time: 01:09

Initial Calibration Time(s): 10:53 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.74	7.74	7.64	7.84	0.00
2,4-D	9.00	9.00	8.90	9.10	0.00
2,4,5-TP(Silvex)	9.89	9.89	9.79	9.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ROYF02
Lab Code: ACE SDG NO.: Q3321
GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 10/13/2025 10/13/2025

Client Sample No.: CCAL02 Date Analyzed: 10/15/2025
Lab Sample No.: HSTDCCC750 Data File : PS032022.D Time Analyzed: 01:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.280	9.180	9.380	710.560	712.500	-0.3
2,4-D	8.411	8.312	8.512	630.440	705.000	-10.6
2,4-DCAA	7.282	7.182	7.382	743.540	750.000	-0.9



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3321

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

Client Sample No.: CCAL02 Date Analyzed: 10/15/2025

Lab Sample No.: HSTDCCC750 Data File : PS032022.D Time Analyzed: 01:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.892	9.792	9.992	705.040	712.500	-1.0
2,4-D	9.003	8.902	9.102	684.950	705.000	-2.8
2,4-DCAA	7.744	7.644	7.844	763.040	750.000	1.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
 Data File : PS032022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 01:09
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/15/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 03:25:42 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	3544.5E6	839.6E6	743.538	763.039
Target Compounds							
1) T	Dalapon	2.661	2.688	5076.8E6	2525.9E6	656.973	672.089
2) T	3,5-DICHL...	6.449	6.696	4904.1E6	1341.7E6	696.713	643.241m
3) T	4-Nitroph...	7.098	7.300	1073.1E6	1195.8E6	803.975	788.071m
5) T	DICAMBA	7.464	7.939	14732.0E6	6082.0E6	703.452	702.238
6) T	MCPD	7.642	8.036	887.4E6	179.0E6	72.569	72.104
7) T	MCPA	7.791	8.284	1078.0E6	274.4E6	73.250	72.737
8) T	DICHLORPROP	8.172	8.659	3258.1E6	1347.4E6	685.317	688.078
9) T	2,4-D	8.411	9.003	3061.3E6	1423.5E6	630.440m	684.951
10) T	Pentachlo...	8.709	9.508	48908.7E6	39041.8E6	728.682	753.356
11) T	2,4,5-TP ...	9.280	9.892	20067.6E6	14153.6E6	710.557	705.043
12) T	2,4,5-T	9.579	10.322	18477.4E6	12308.6E6	731.943	717.924
13) T	2,4-DB	10.154	10.891	1876.4E6	881.7E6	605.237m	682.381
14) T	DINOSEB	11.346	11.264	15668.6E6	10853.8E6	702.602	713.922
15) T	Picloram	11.183	12.388	17192.1E6	22920.1E6	729.164	688.457
16) T	DCPA	11.646	12.304	26107.4E6	23592.4E6	710.594	710.365

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
Data File : PS032022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 01:09
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

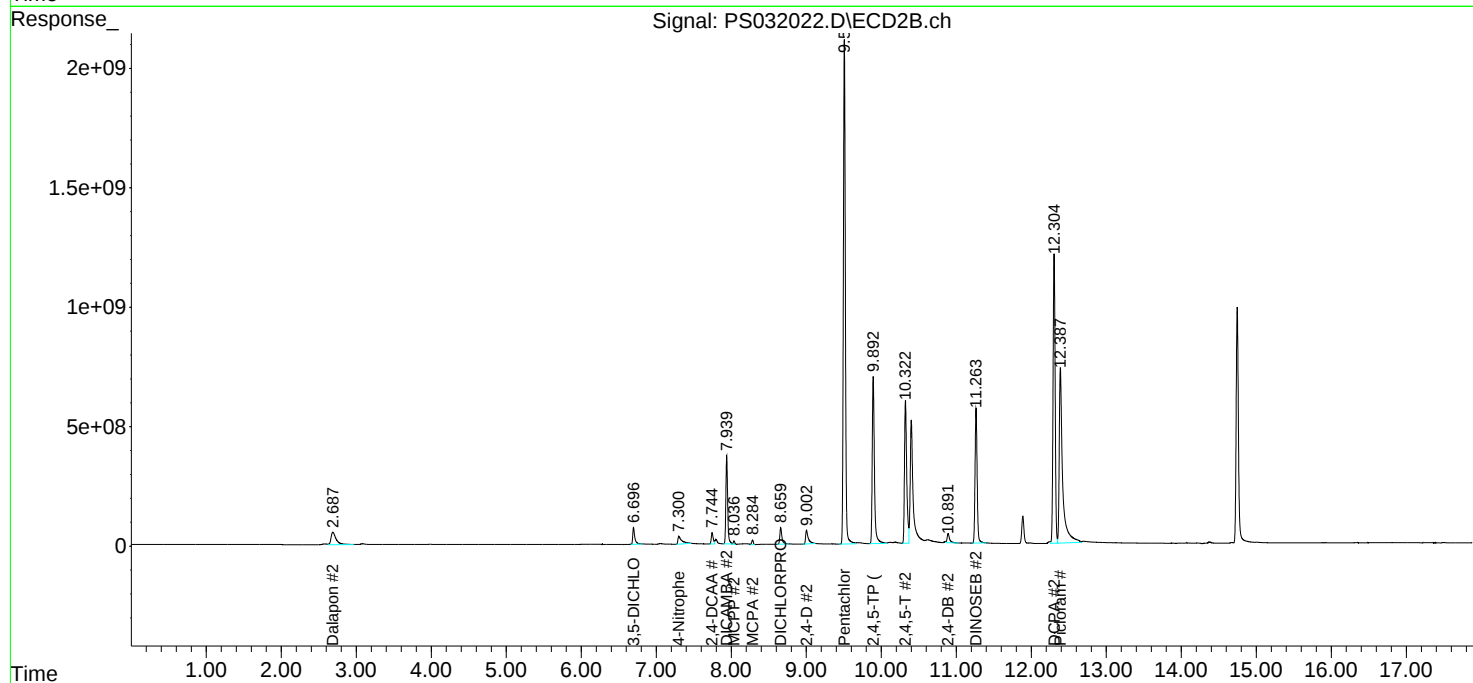
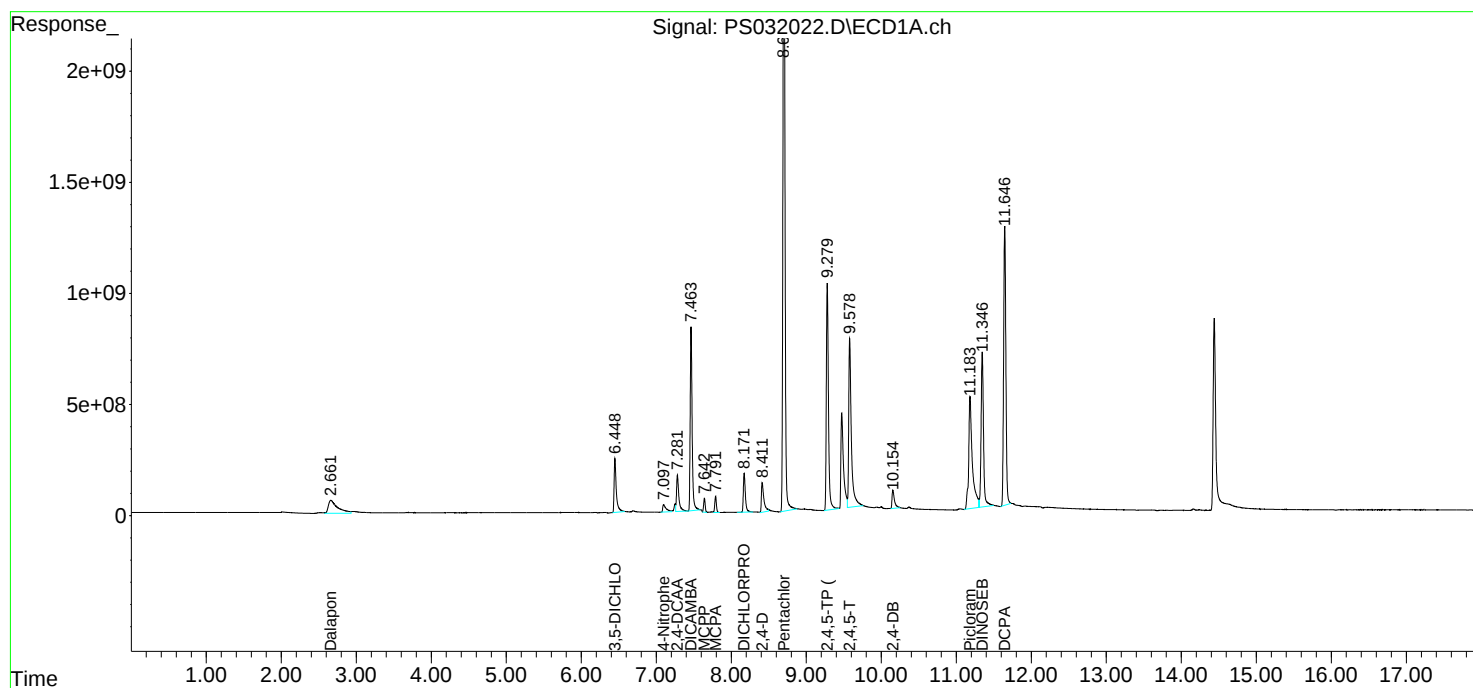
APPROVED

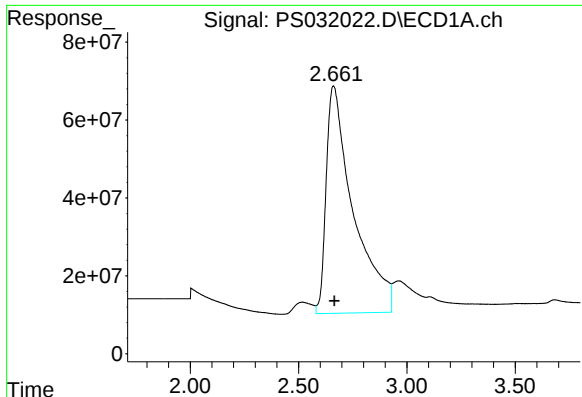
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:25:42 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





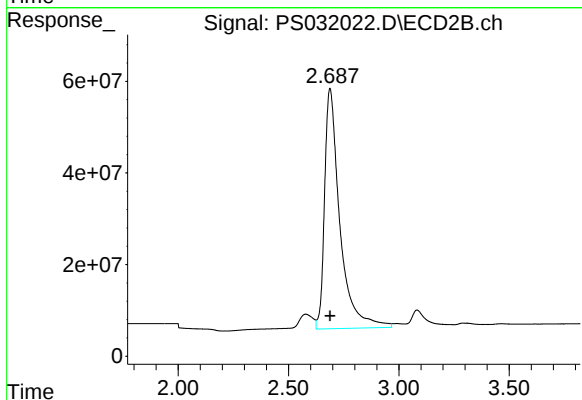
#1 Dalapon

R.T.: 2.661 min
Delta R.T.: -0.004 min
Response: 5076778701
Conc: 656.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

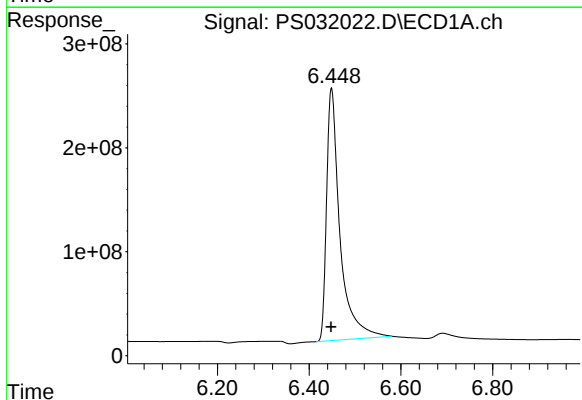
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



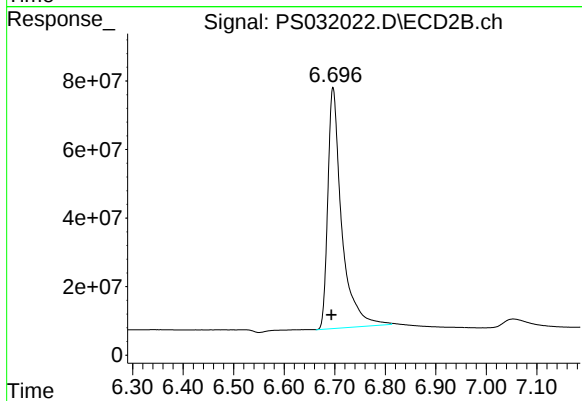
#1 Dalapon

R.T.: 2.688 min
Delta R.T.: -0.001 min
Response: 2525891988
Conc: 672.09 ng/ml



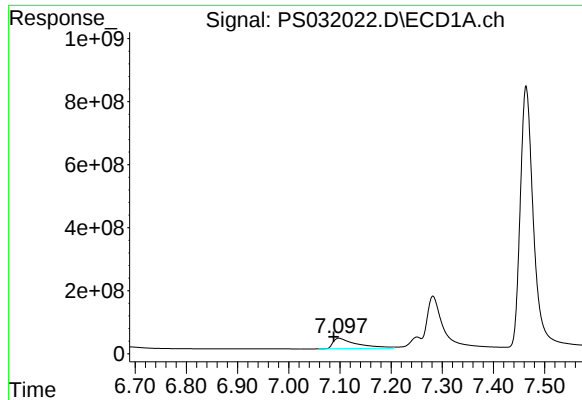
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.449 min
Delta R.T.: 0.001 min
Response: 4904066053
Conc: 696.71 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.696 min
Delta R.T.: 0.003 min
Response: 1341725660
Conc: 643.24 ng/ml m



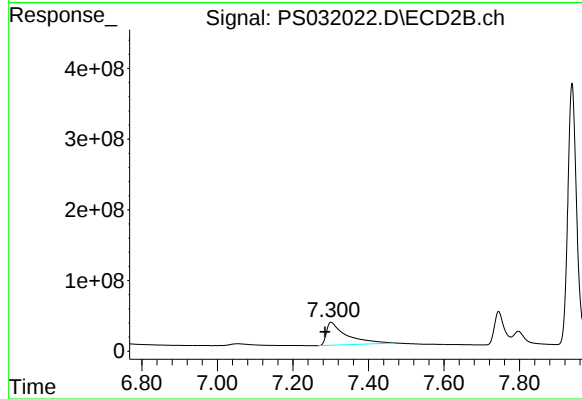
#3 4-Nitrophenol

R.T.: 7.098 min
 Delta R.T.: 0.009 min
 Response: 1073052251
 Conc: 803.97 ng/ml

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

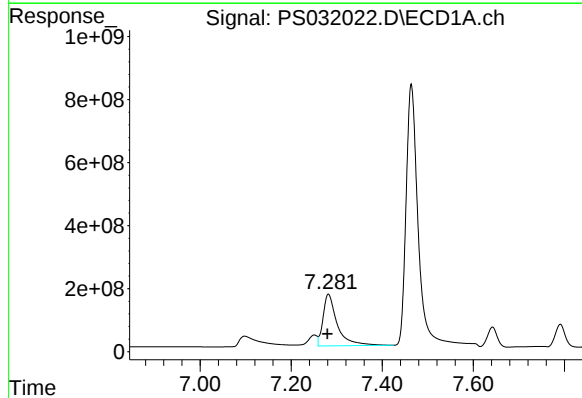
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/15/2025
 Supervised By :mohammad ahmed 10/16/2025



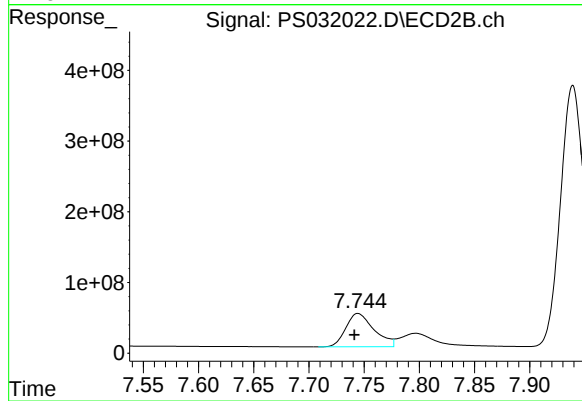
#3 4-Nitrophenol

R.T.: 7.300 min
 Delta R.T.: 0.015 min
 Response: 1195828595
 Conc: 788.07 ng/ml m



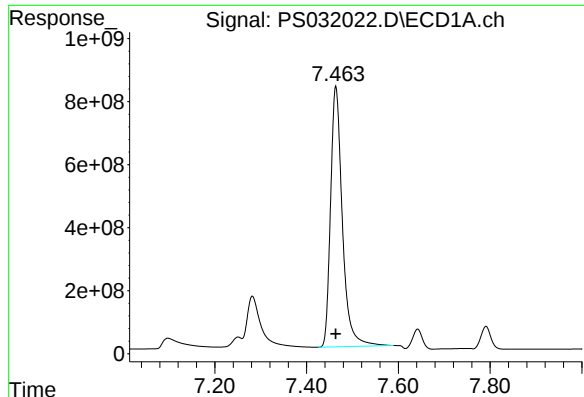
#4 2,4-DCAA

R.T.: 7.282 min
 Delta R.T.: 0.002 min
 Response: 3544469105
 Conc: 743.54 ng/ml



#4 2,4-DCAA

R.T.: 7.744 min
 Delta R.T.: 0.003 min
 Response: 839603017
 Conc: 763.04 ng/ml



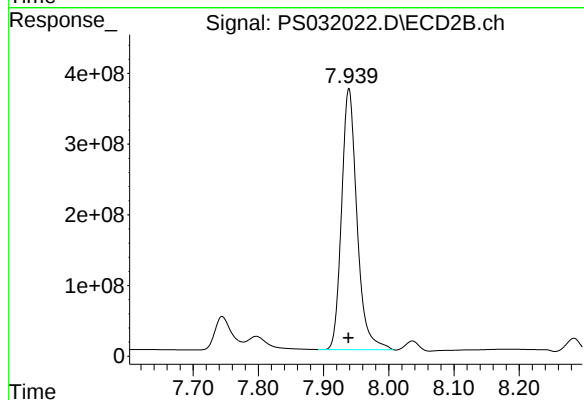
#5 DICAMBA

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 14731960078
Conc: 703.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

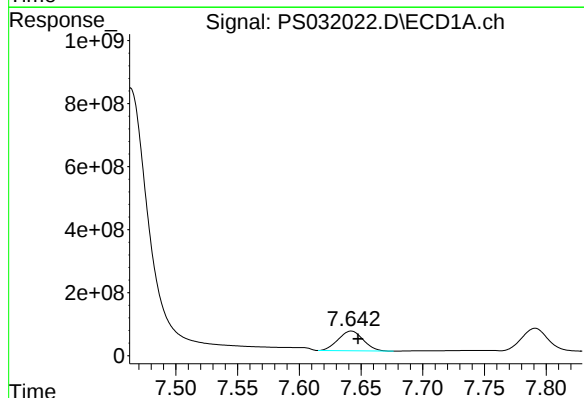
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



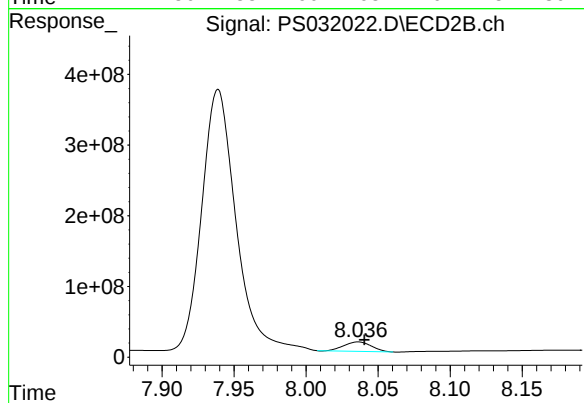
#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 6082000742
Conc: 702.24 ng/ml



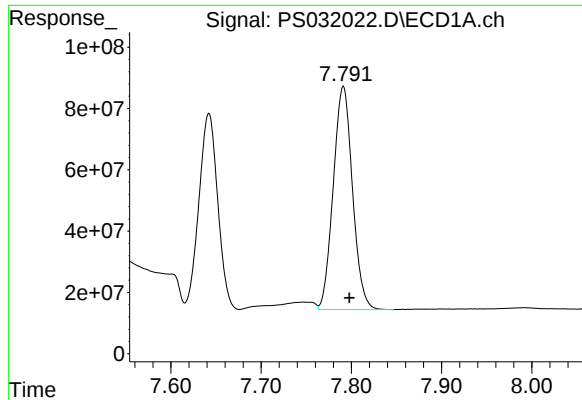
#6 MCPP

R.T.: 7.642 min
Delta R.T.: -0.005 min
Response: 887412345
Conc: 72.57 ug/ml



#6 MCPP

R.T.: 8.036 min
Delta R.T.: -0.004 min
Response: 178980690
Conc: 72.10 ug/ml



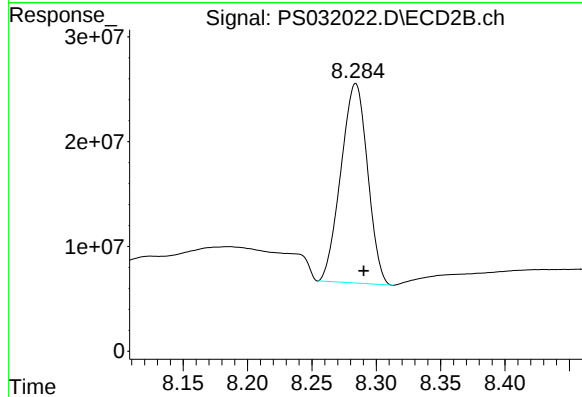
#7 MCPA

R.T.: 7.791 min
Delta R.T.: -0.007 min
Response: 1077968025
Conc: 73.25 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

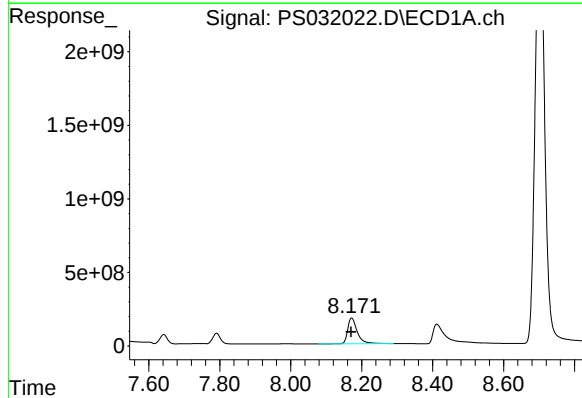
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



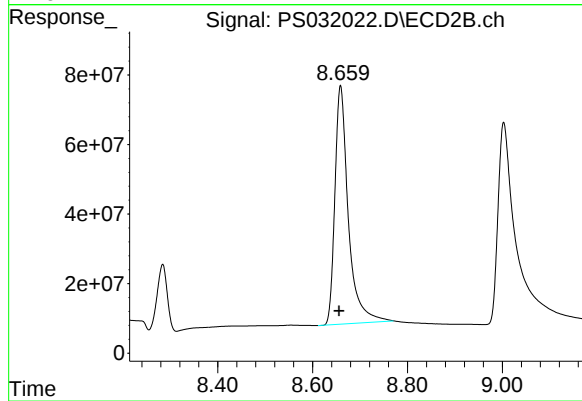
#7 MCPA

R.T.: 8.284 min
Delta R.T.: -0.006 min
Response: 274390983
Conc: 72.74 ug/ml



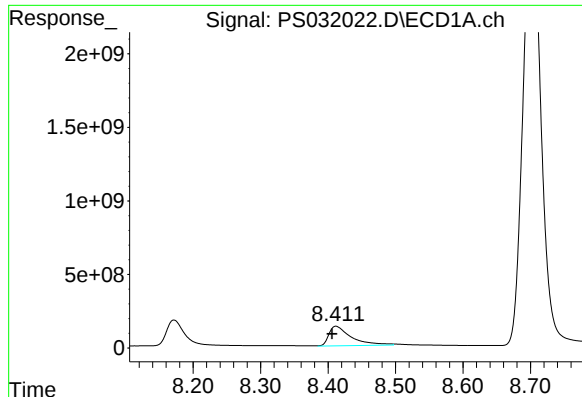
#8 DICHLORPROP

R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 3258096429
Conc: 685.32 ng/ml



#8 DICHLORPROP

R.T.: 8.659 min
Delta R.T.: 0.003 min
Response: 1347434622
Conc: 688.08 ng/ml



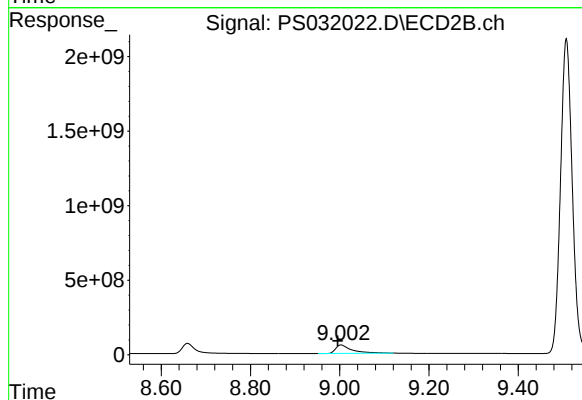
#9 2,4-D

R.T.: 8.411 min
Delta R.T.: 0.005 min
Response: 3061335510
Conc: 630.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

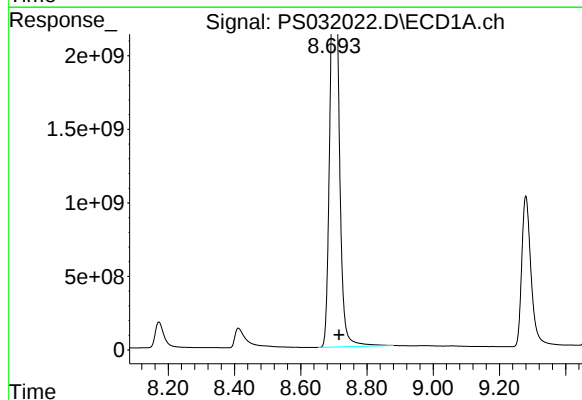
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



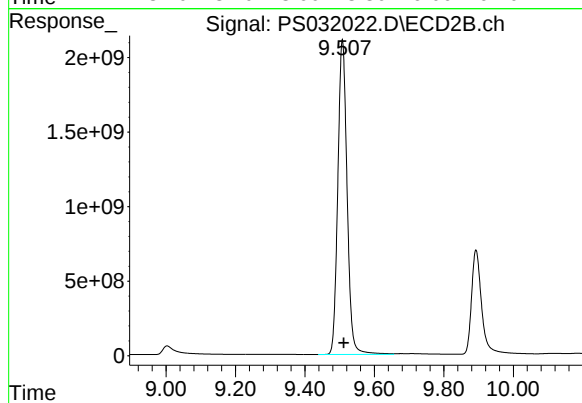
#9 2,4-D

R.T.: 9.003 min
Delta R.T.: 0.007 min
Response: 1423532625
Conc: 684.95 ng/ml



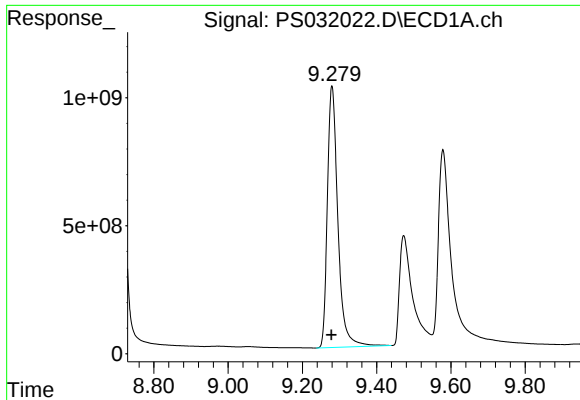
#10 Pentachlorophenol

R.T.: 8.709 min
Delta R.T.: -0.007 min
Response: 48908731600
Conc: 728.68 ng/ml



#10 Pentachlorophenol

R.T.: 9.508 min
Delta R.T.: -0.004 min
Response: 39041812627
Conc: 753.36 ng/ml



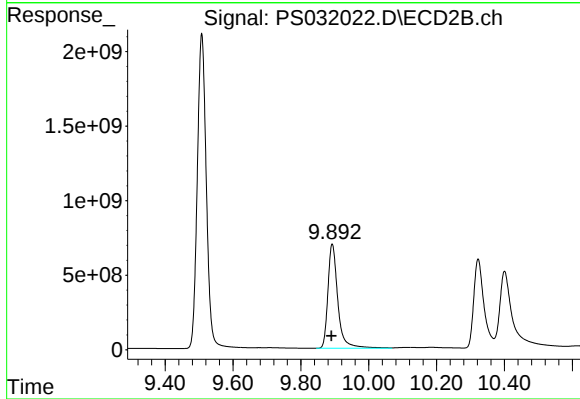
#11 2,4,5-TP (SILVEX)

R.T.: 9.280 min
Delta R.T.: 0.001 min
Response: 20067560162
Conc: 710.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

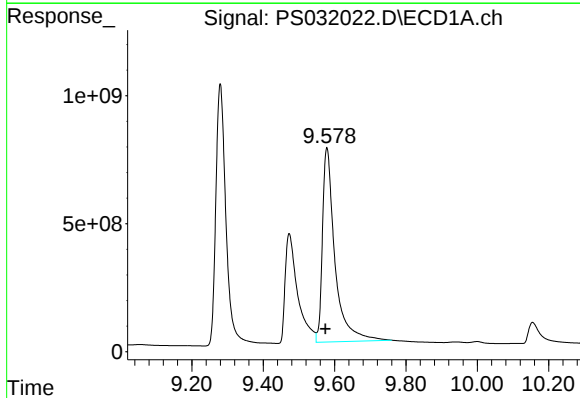
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



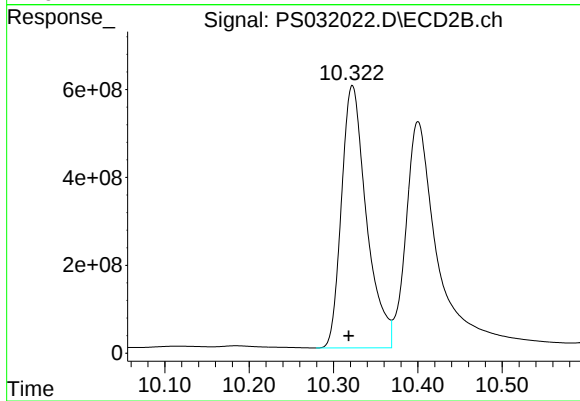
#11 2,4,5-TP (SILVEX)

R.T.: 9.892 min
Delta R.T.: 0.002 min
Response: 14153638278
Conc: 705.04 ng/ml



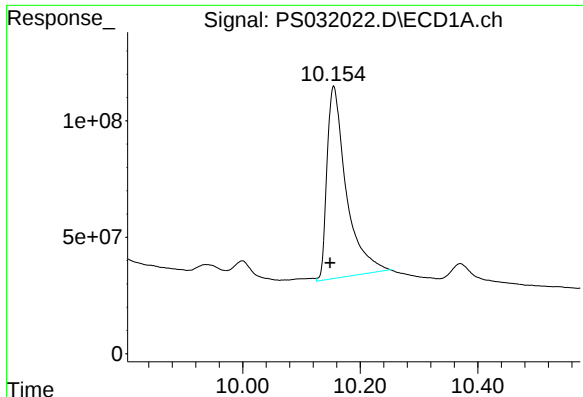
#12 2,4,5-T

R.T.: 9.579 min
Delta R.T.: 0.004 min
Response: 18477365178
Conc: 731.94 ng/ml



#12 2,4,5-T

R.T.: 10.322 min
Delta R.T.: 0.004 min
Response: 12308574438
Conc: 717.92 ng/ml



#13 2,4-DB

R.T.: 10.154 min
Delta R.T.: 0.005 min
Response: 1876427873
Conc: 605.24 ng/ml

Instrument :

ECD_S

ClientSampleId :

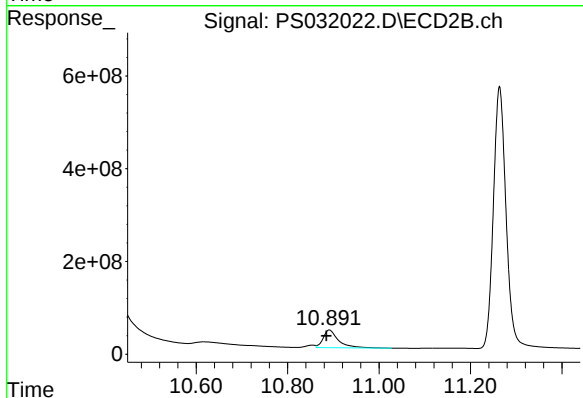
HSTDCCC750

Manual Integrations

APPROVED

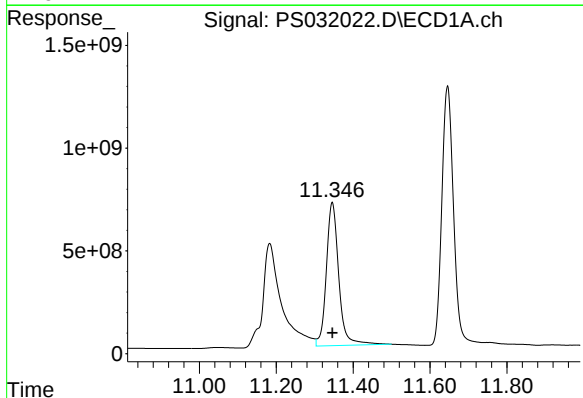
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



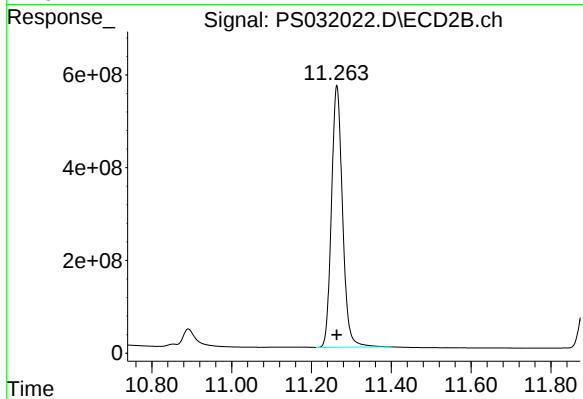
#13 2,4-DB

R.T.: 10.891 min
Delta R.T.: 0.006 min
Response: 881698260
Conc: 682.38 ng/ml



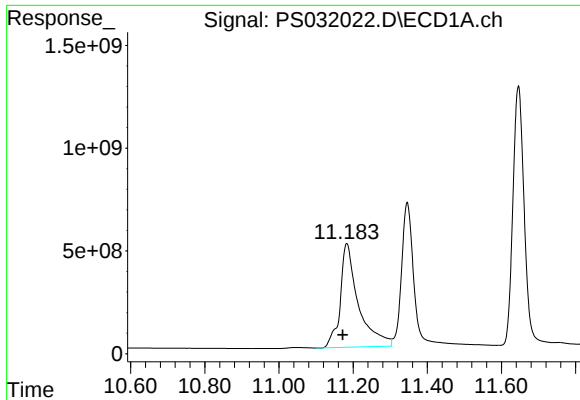
#14 DINOSEB

R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 15668635679
Conc: 702.60 ng/ml



#14 DINOSEB

R.T.: 11.264 min
Delta R.T.: 0.000 min
Response: 10853804485
Conc: 713.92 ng/ml



#15 Picloram

R.T.: 11.183 min
Delta R.T.: 0.011 min
Response: 17192133793
Conc: 729.16 ng/ml

Instrument :

ECD_S

ClientSampleId :

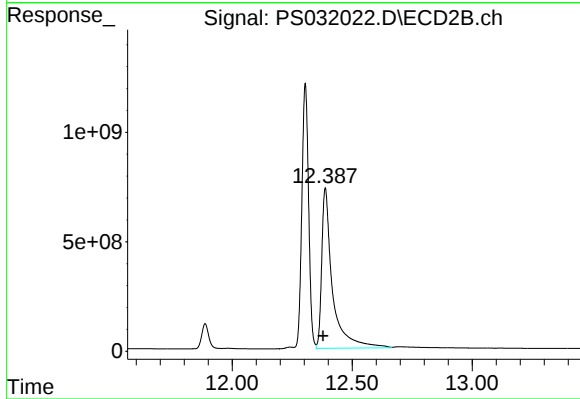
HSTDCCC750

Manual Integrations

APPROVED

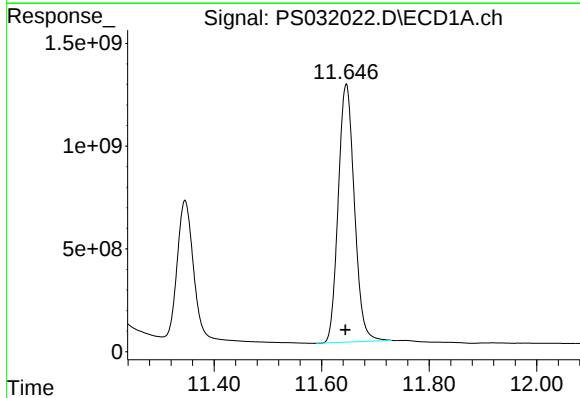
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



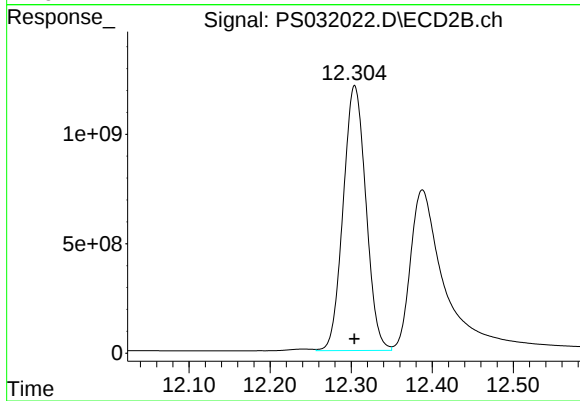
#15 Picloram

R.T.: 12.388 min
Delta R.T.: 0.009 min
Response: 22920105602
Conc: 688.46 ng/ml



#16 DCPA

R.T.: 11.646 min
Delta R.T.: 0.001 min
Response: 26107394459
Conc: 710.59 ng/ml



#16 DCPA

R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 23592379714
Conc: 710.36 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/16/2025

Initial Calibration Date(s): 10/13/2025 10/13/2025

Continuing Calib Time: 09:59

Initial Calibration Time(s): 10:53 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.41	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/16/2025

Initial Calibration Date(s): 10/13/2025

10/13/2025

Continuing Calib Time: 09:59

Initial Calibration Time(s): 10:53

12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.74	7.74	7.64	7.84	0.00
2,4-D	9.00	9.00	8.90	9.10	0.00
2,4,5-TP(Silvex)	9.89	9.89	9.79	9.99	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/13/2025 10/13/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/16/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS032055.D **Time Analyzed:** 09:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.279	9.180	9.380	706.490	712.500	-0.8
2,4-D	8.412	8.312	8.512	692.590	705.000	-1.8
2,4-DCAA	7.281	7.182	7.382	845.810	750.000	12.8



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ROYF02
Lab Code: ACE SDG NO.: Q3321
GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/13/2025 10/13/2025

Client Sample No.: CCAL03 Date Analyzed: 10/16/2025
Lab Sample No.: HSTDCCC750 Data File : PS032055.D Time Analyzed: 09:59

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.892	9.792	9.992	710.900	712.500	-0.2
2,4-D	9.002	8.902	9.102	692.080	705.000	-1.8
2,4-DCAA	7.744	7.644	7.844	763.370	750.000	1.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101625\
 Data File : PS032055.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2025 09:59
 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 16 12:43:16 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	7.744	4032.0E6	840.0E6	845.807	763.374
Target Compounds							
1) T	Dalapon	2.662	2.687	4932.7E6	2516.6E6	638.333	669.606
2) T	3,5-DICHL...	6.449	6.697	4859.3E6	1454.6E6	690.357	697.371
3) T	4-Nitroph...	7.101	7.302	960.4E6	920.6E6	719.580	606.692
5) T	DICAMBA	7.463	7.939	14603.0E6	6130.5E6	697.296	707.837
6) T	MCPD	7.642	8.036	881.8E6	178.5E6	72.113	71.918
7) T	MCPA	7.791	8.284	1068.2E6	274.9E6	72.586	72.865
8) T	DICHLORPROP	8.172	8.658	3244.7E6	1357.9E6	682.496	693.397
9) T	2,4-D	8.412	9.002	3363.1E6	1438.4E6	692.591	692.081
10) T	Pentachlo...	8.705	9.507	48596.2E6	39187.6E6	724.026	756.169
11) T	2,4,5-TP ...	9.279	9.892	19952.6E6	14271.3E6	706.487	710.902
12) T	2,4,5-T	9.578	10.322	18440.2E6	12416.3E6	730.470	724.208
13) T	2,4-DB	10.154	10.891	2301.5E6	864.3E6	742.343	668.937
14) T	DINOSEB	11.345	11.264	15560.1E6	10923.2E6	697.737	718.487
15) T	Picloram	11.181	12.387	17505.4E6	23179.1E6	742.450	696.237
16) T	DCPA	11.644	12.305	25924.0E6	23485.3E6	705.603	707.141

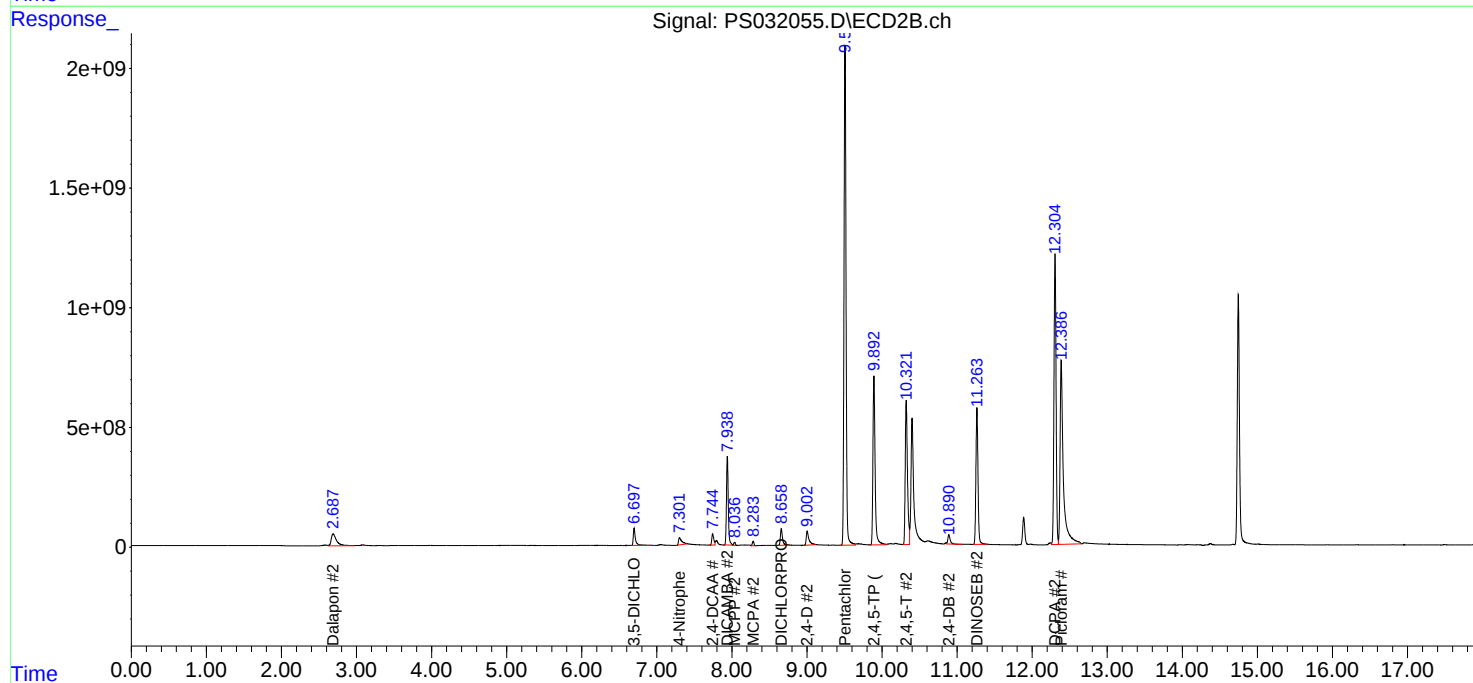
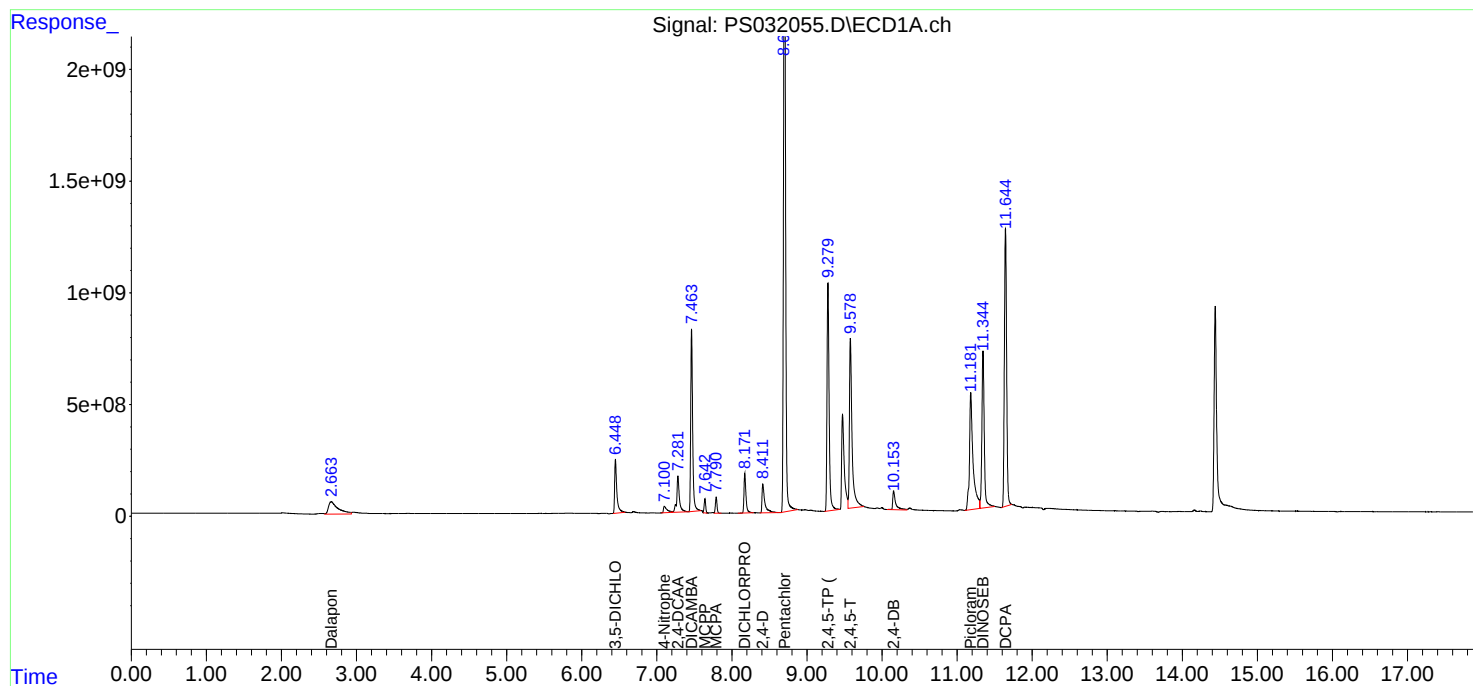
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

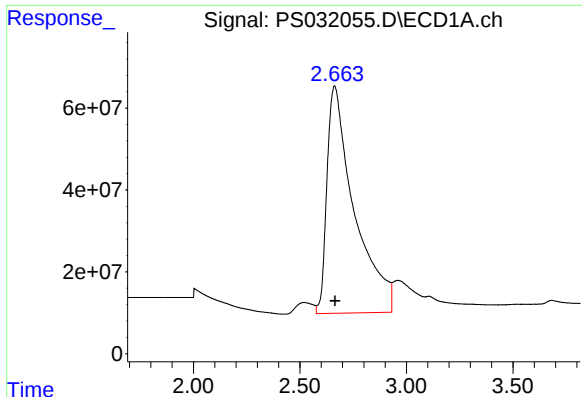
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101625\
Data File : PS032055.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2025 09:59
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 12:43:16 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

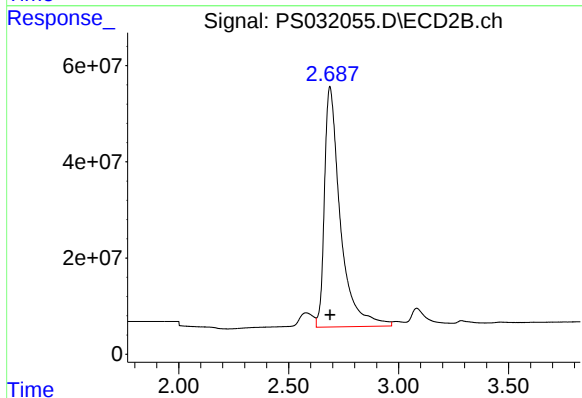




#1 Dalapon

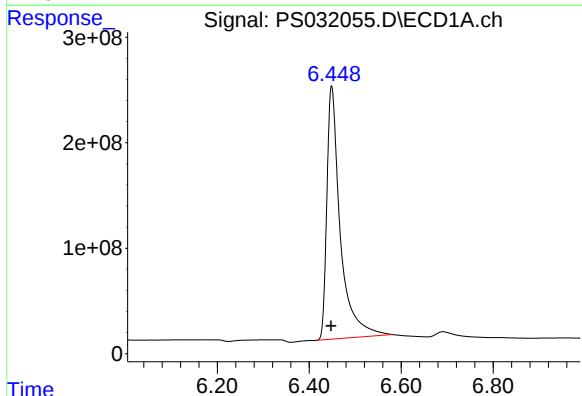
R.T.: 2.662 min
Delta R.T.: -0.003 min
Response: 4932737037
Conc: 638.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



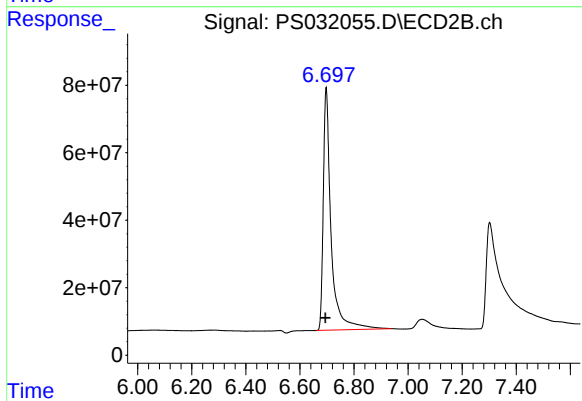
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: -0.002 min
Response: 2516560223
Conc: 669.61 ng/ml



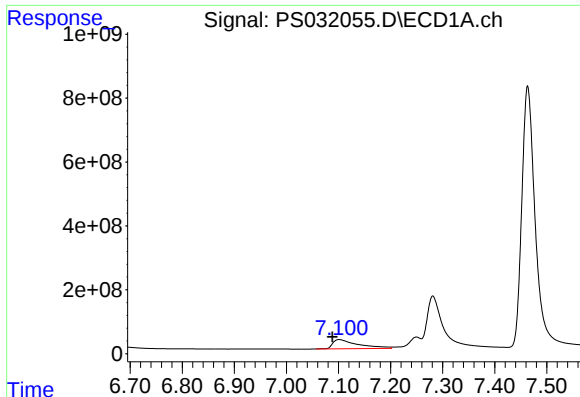
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.449 min
Delta R.T.: 0.001 min
Response: 4859328786
Conc: 690.36 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

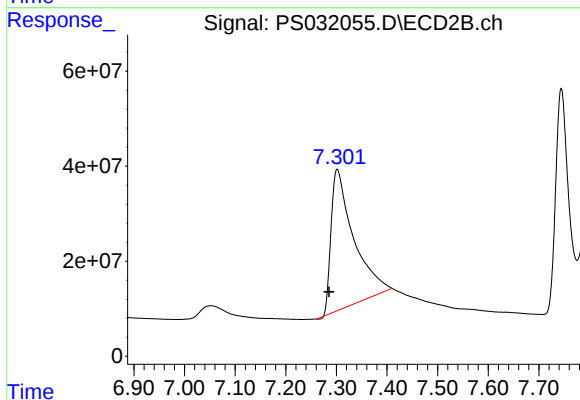
R.T.: 6.697 min
Delta R.T.: 0.004 min
Response: 1454634818
Conc: 697.37 ng/ml



#3 4-Nitrophenol

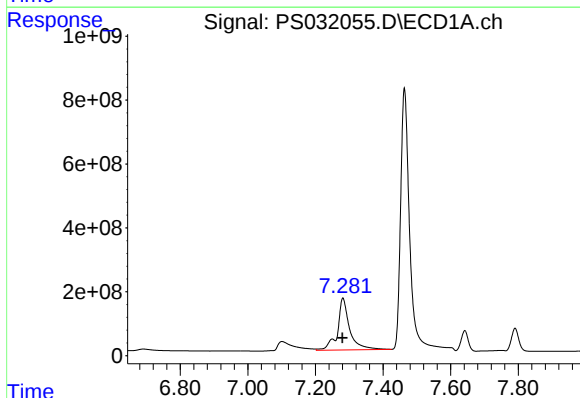
R.T.: 7.101 min
Delta R.T.: 0.013 min
Response: 960412083
Conc: 719.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



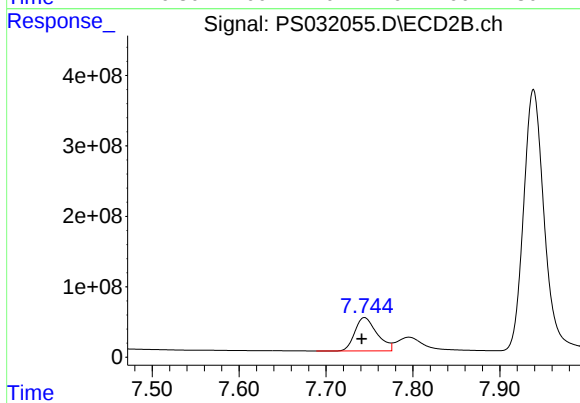
#3 4-Nitrophenol

R.T.: 7.302 min
Delta R.T.: 0.017 min
Response: 920601294
Conc: 606.69 ng/ml



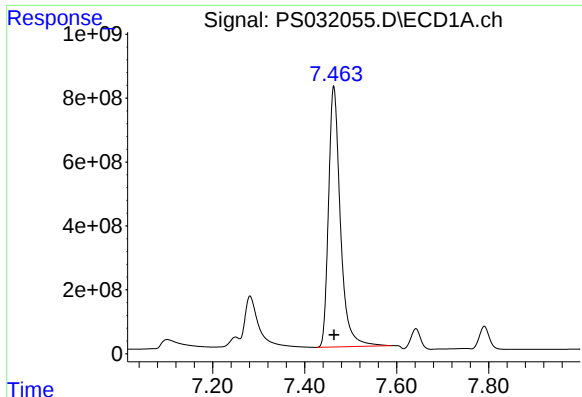
#4 2,4-DCAA

R.T.: 7.281 min
Delta R.T.: 0.002 min
Response: 4031991912
Conc: 845.81 ng/ml



#4 2,4-DCAA

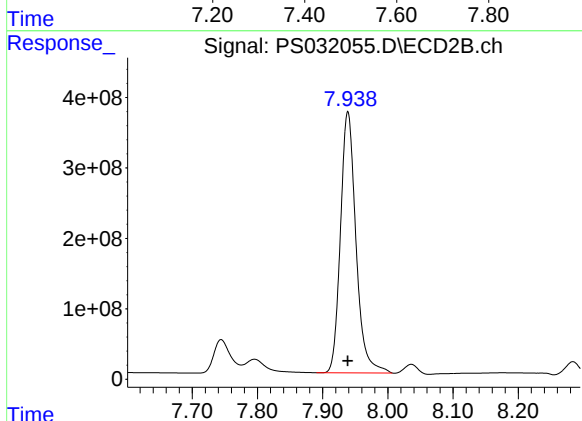
R.T.: 7.744 min
Delta R.T.: 0.003 min
Response: 839971566
Conc: 763.37 ng/ml



#5 DICAMBA

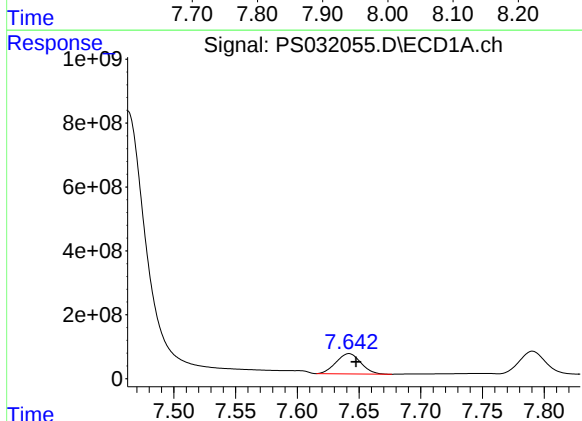
R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 14603037950
Conc: 697.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



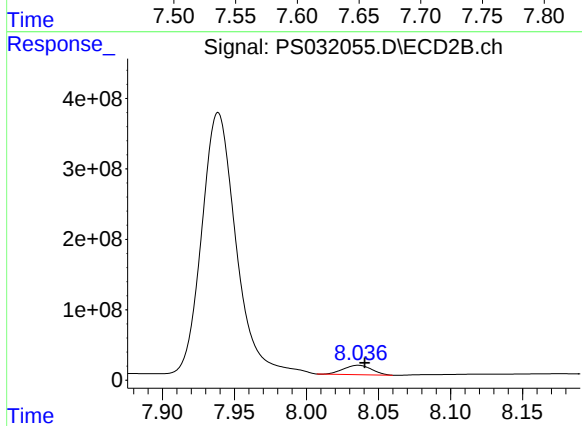
#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 6130494400
Conc: 707.84 ng/ml



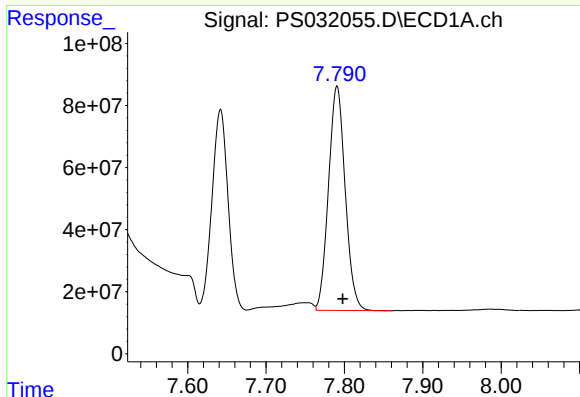
#6 MCP

R.T.: 7.642 min
Delta R.T.: -0.006 min
Response: 881836475
Conc: 72.11 ug/ml



#6 MCP

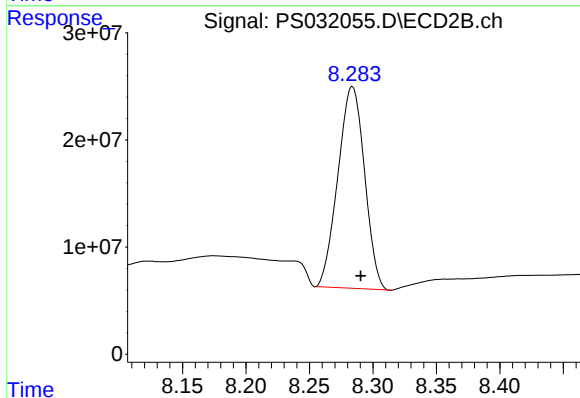
R.T.: 8.036 min
Delta R.T.: -0.005 min
Response: 178518809
Conc: 71.92 ug/ml



#7 MCPA

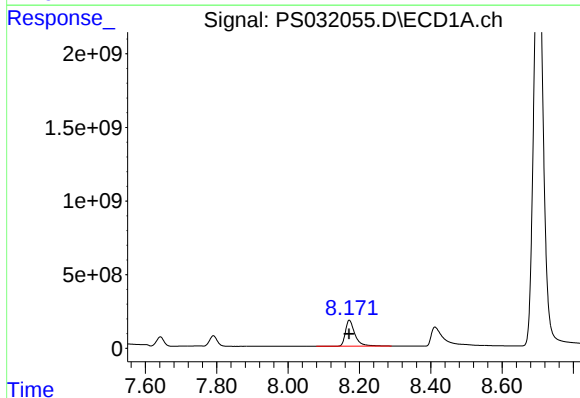
R.T.: 7.791 min
Delta R.T.: -0.007 min
Response: 1068186967
Conc: 72.59 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



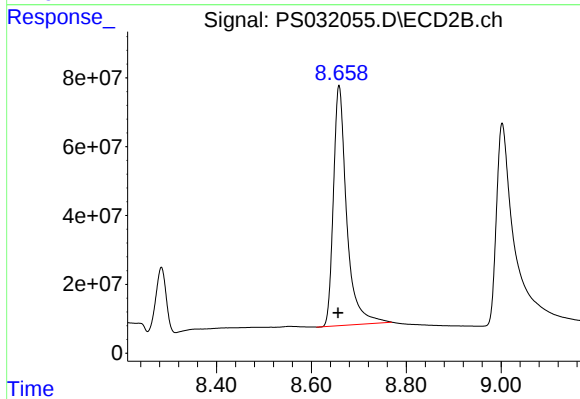
#7 MCPA

R.T.: 8.284 min
Delta R.T.: -0.007 min
Response: 274873842
Conc: 72.87 ug/ml



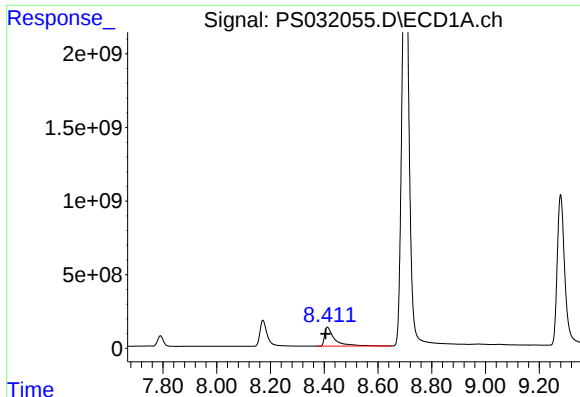
#8 DICHLORPROP

R.T.: 8.172 min
Delta R.T.: 0.001 min
Response: 3244688336
Conc: 682.50 ng/ml



#8 DICHLORPROP

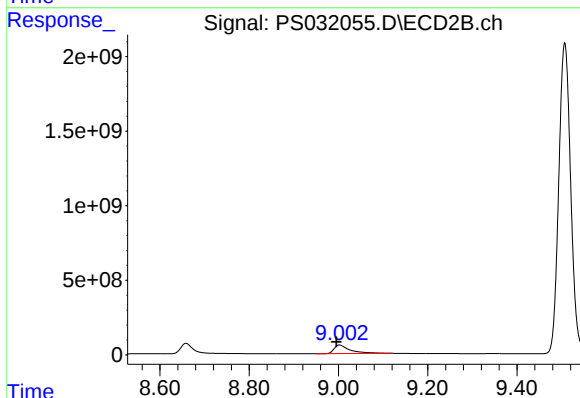
R.T.: 8.658 min
Delta R.T.: 0.002 min
Response: 1357851213
Conc: 693.40 ng/ml



#9 2,4-D

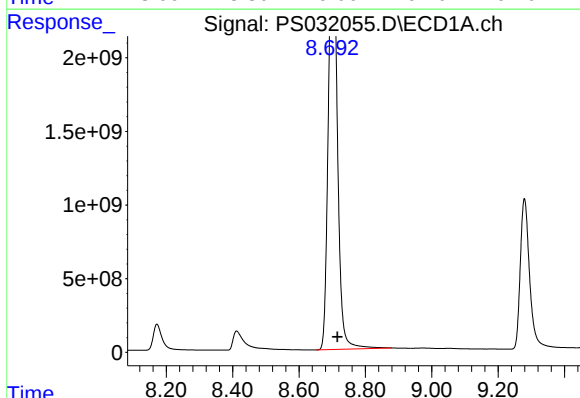
R.T.: 8.412 min
Delta R.T.: 0.006 min
Response: 3363134607
Conc: 692.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



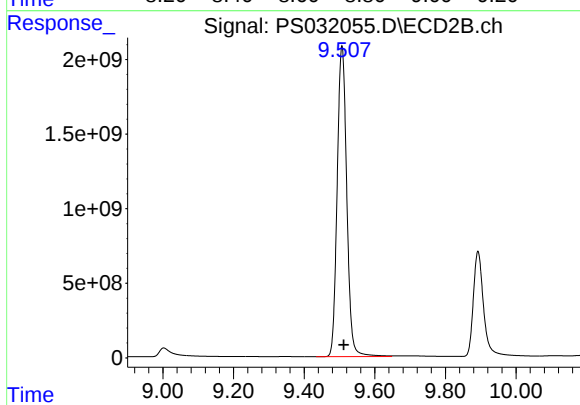
#9 2,4-D

R.T.: 9.002 min
Delta R.T.: 0.007 min
Response: 1438350760
Conc: 692.08 ng/ml



#10 Pentachlorophenol

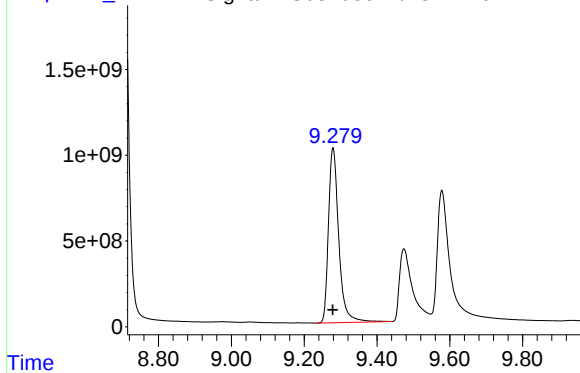
R.T.: 8.705 min
Delta R.T.: -0.011 min
Response: 48596234470
Conc: 724.03 ng/ml



#10 Pentachlorophenol

R.T.: 9.507 min
Delta R.T.: -0.005 min
Response: 39187594763
Conc: 756.17 ng/ml

Signal: PS032055.D\ECD1A.ch

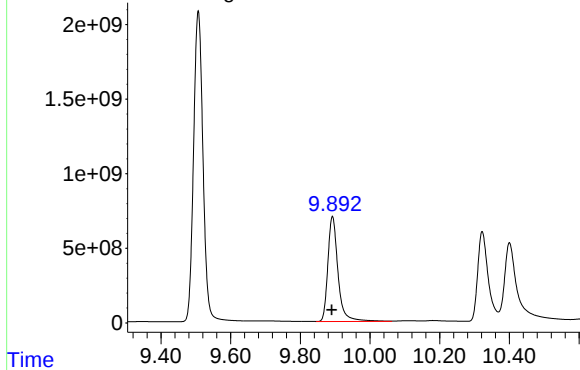


#11 2,4,5-TP (SILVEX)

R.T.: 9.279 min
Delta R.T.: 0.001 min
Response: 19952626846
Conc: 706.49 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

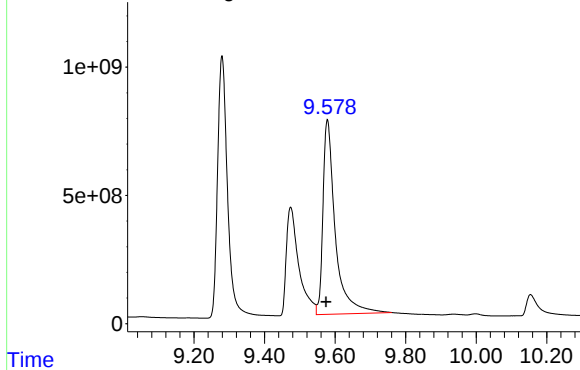
Signal: PS032055.D\ECD2B.ch



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

R.T.: 9.892 min
Delta R.T.: 0.002 min
Response: 14271268894
Conc: 710.90 ng/ml

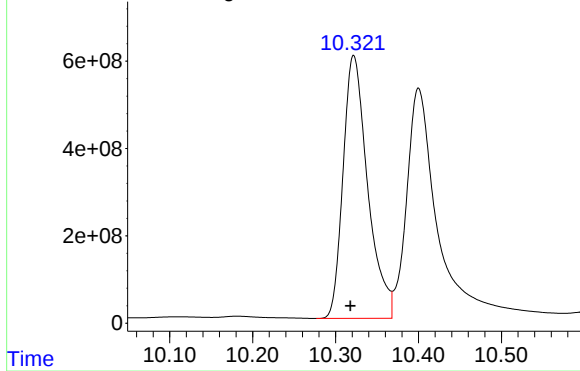
Signal: PS032055.D\ECD1A.ch



#12 2,4,5-T

R.T.: 9.578 min
Delta R.T.: 0.004 min
Response: 18440185576
Conc: 730.47 ng/ml

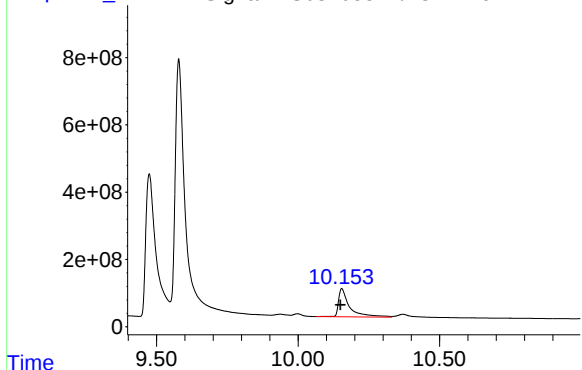
Signal: PS032055.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.322 min
Delta R.T.: 0.004 min
Response: 12416310667
Conc: 724.21 ng/ml

Response_ Signal: PS032055.D\ECD1A.ch

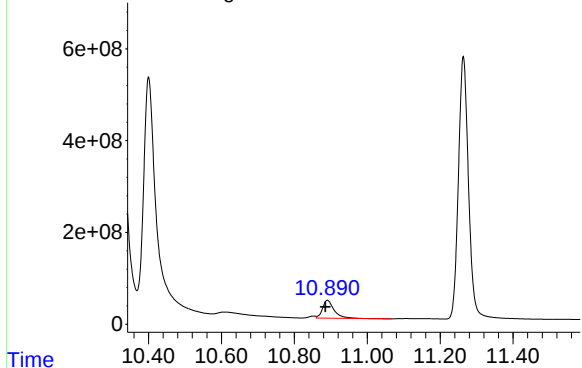


#13 2,4-DB

R.T.: 10.154 min
Delta R.T.: 0.005 min
Response: 2301499255
Conc: 742.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

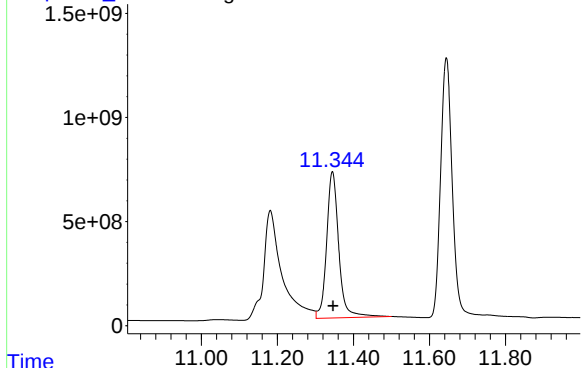
Response_ Signal: PS032055.D\ECD2B.ch



#13 2,4-DB

R.T.: 10.891 min
Delta R.T.: 0.006 min
Response: 864328163
Conc: 668.94 ng/ml

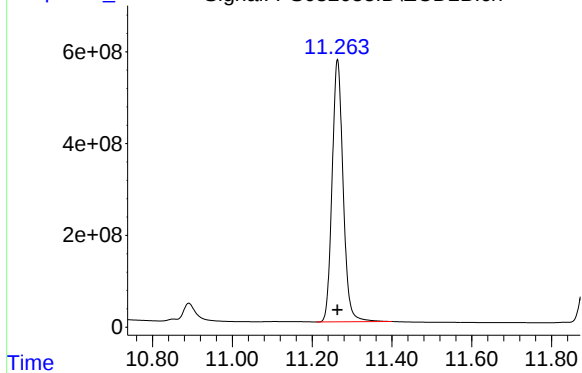
Response_ Signal: PS032055.D\ECD1A.ch



#14 DINOSEB

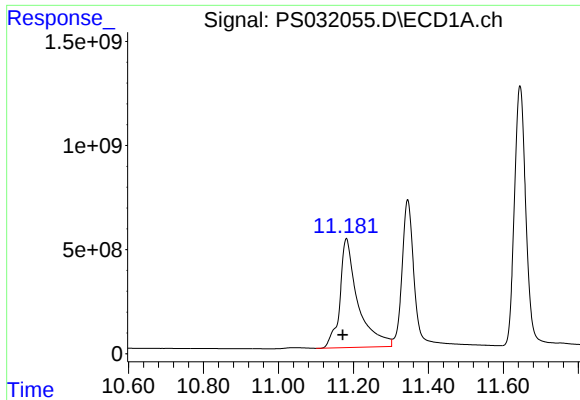
R.T.: 11.345 min
Delta R.T.: -0.001 min
Response: 15560135663
Conc: 697.74 ng/ml

Response_ Signal: PS032055.D\ECD2B.ch



#14 DINOSEB

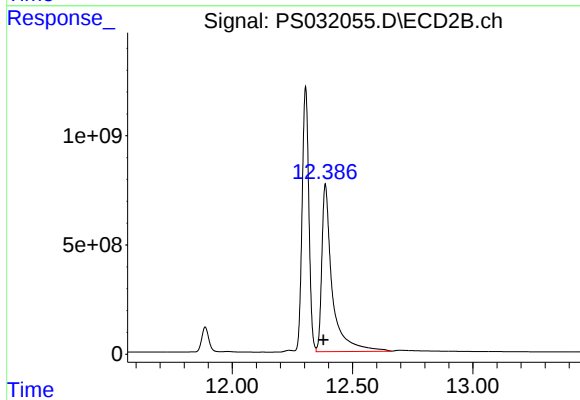
R.T.: 11.264 min
Delta R.T.: 0.000 min
Response: 10923216509
Conc: 718.49 ng/ml



#15 Picloram

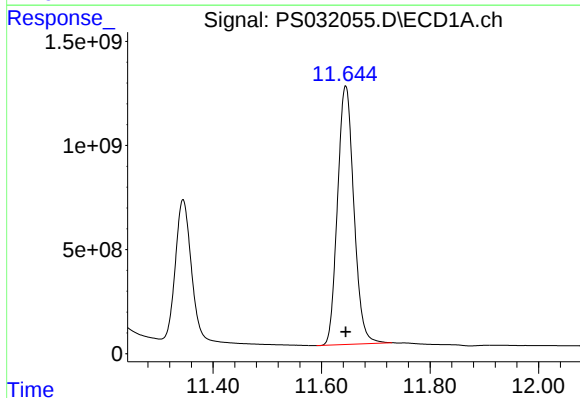
R.T.: 11.181 min
Delta R.T.: 0.010 min
Response: 17505388411
Conc: 742.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



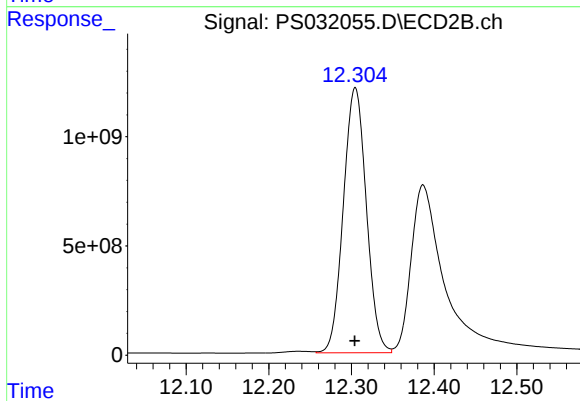
#15 Picloram

R.T.: 12.387 min
Delta R.T.: 0.008 min
Response: 23179134334
Conc: 696.24 ng/ml



#16 DCPA

R.T.: 11.644 min
Delta R.T.: 0.000 min
Response: 25924000520
Conc: 705.60 ng/ml



#16 DCPA

R.T.: 12.305 min
Delta R.T.: 0.000 min
Response: 23485312602
Conc: 707.14 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ROYF02**Lab Code:** ACE**SDG NO.:** Q3321**Continuing Calib Date:** 10/16/2025**Initial Calibration Date(s):** 10/13/2025 10/13/2025**Continuing Calib Time:** 17:53**Initial Calibration Time(s):** 10:53 12:29**GC Column:** RTX-CLP **ID:** 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
2,4-DCAA	7.28	7.28	7.18	7.38	0.00
2,4-D	8.41	8.41	8.31	8.51	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY**Lab Name:** Alliance**Contract:** ROYF02**Lab Code:** ACE**SDG NO.:** Q3321**Continuing Calib Date:** 10/16/2025**Initial Calibration Date(s):** 10/13/2025 10/13/2025**Continuing Calib Time:** 17:53**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	7.75	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: ROYF02

Lab Code: ACE SDG NO.: Q3321

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

Client Sample No.: CCAL04 Date Analyzed: 10/16/2025

Lab Sample No.: HSTDCCC750 Data File : PS032065.D Time Analyzed: 17:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.280	9.180	9.380	736.740	712.500	3.4
2,4-D	8.412	8.312	8.512	744.040	705.000	5.5
2,4-DCAA	7.281	7.182	7.382	774.110	750.000	3.2



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: ROYF02
Lab Code: ACE SDG NO.: Q3321
GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/13/2025 10/13/2025

Client Sample No.: CCAL04 Date Analyzed: 10/16/2025
Lab Sample No.: HSTDCCC750 Data File : PS032065.D Time Analyzed: 17:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.893	9.792	9.992	722.220	712.500	1.4
2,4-D	9.003	8.902	9.102	713.740	705.000	1.2
2,4-DCAA	7.745	7.644	7.844	785.150	750.000	4.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101625\
 Data File : PS032065.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2025 17:53
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/17/2025
 Supervised By : Sohil Jodhani 10/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 17 04:01:21 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	7.745	3690.2E6	863.9E6	774.108	785.153
Target Compounds							
1) T	Dalapon	2.659	2.688	5003.5E6	2534.5E6	647.484	674.379
2) T	3,5-DICHL...	6.448	6.698	5093.5E6	1478.7E6	723.620	708.886
3) T	4-Nitroph...	7.096	7.301	983.9E6	1015.7E6	737.179m	669.341
5) T	DICAMBA	7.464	7.940	15252.1E6	6236.8E6	728.290	720.117
6) T	MCPD	7.642	8.037	924.9E6	176.6E6	75.638	71.134
7) T	MCPA	7.791	8.285	1125.2E6	279.3E6	76.461	74.038
8) T	DICHLORPROP	8.172	8.659	3378.0E6	1381.5E6	710.531	705.461
9) T	2,4-D	8.412	9.003	3613.0E6	1483.4E6	744.043	713.742
10) T	Pentachlo...	8.708	9.508	49520.3E6	39937.2E6	737.793	770.633
11) T	2,4,5-TP ...	9.280	9.893	20807.1E6	14498.5E6	736.741	722.222
12) T	2,4,5-T	9.578	10.323	19510.3E6	12727.7E6	772.862	742.372
13) T	2,4-DB	10.155	10.891	2478.1E6	939.8E6	799.312	727.354m
14) T	DINOSEB	11.346	11.265	16039.2E6	11078.0E6	719.219	728.669
15) T	Picloram	11.182	12.390	17296.7E6	21887.0E6	733.600	657.425
16) T	DCPA	11.645	12.306	26840.1E6	23875.4E6	730.538	718.887

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101625\
Data File : PS032065.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2025 17:53
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

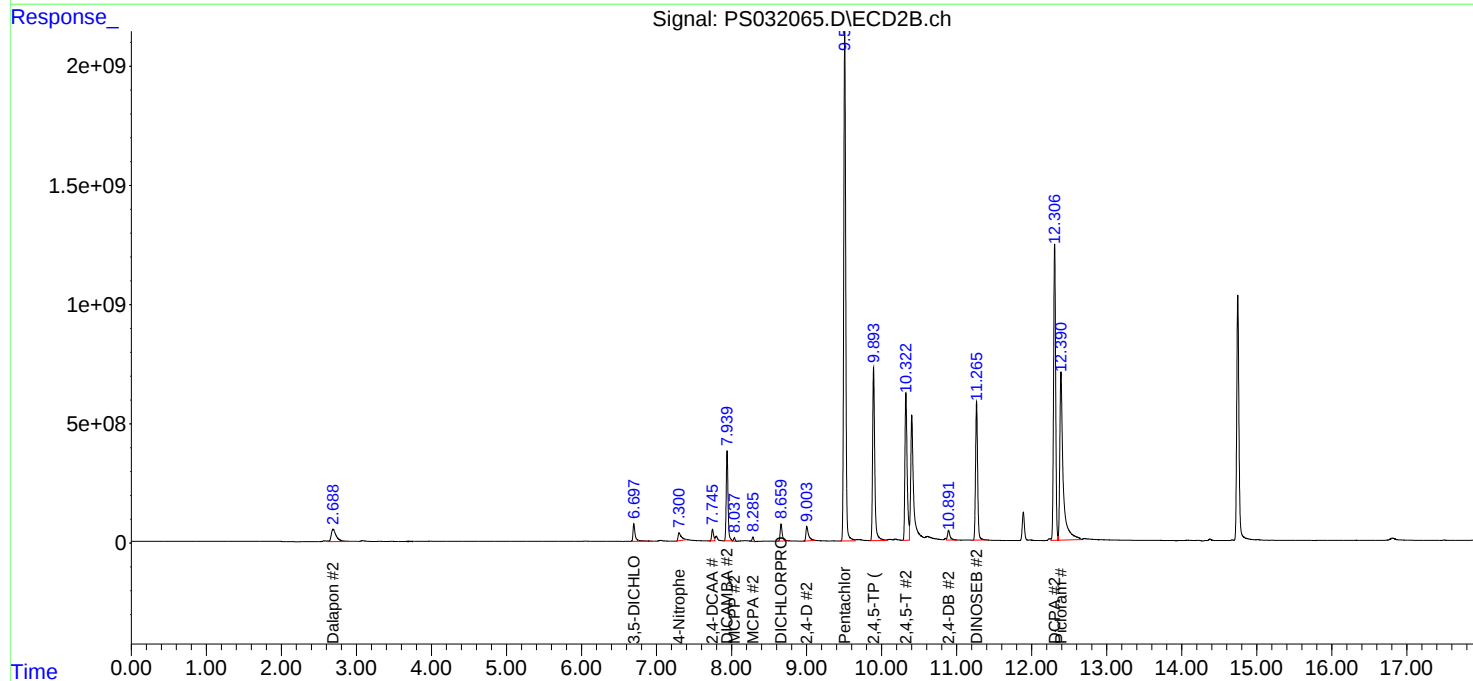
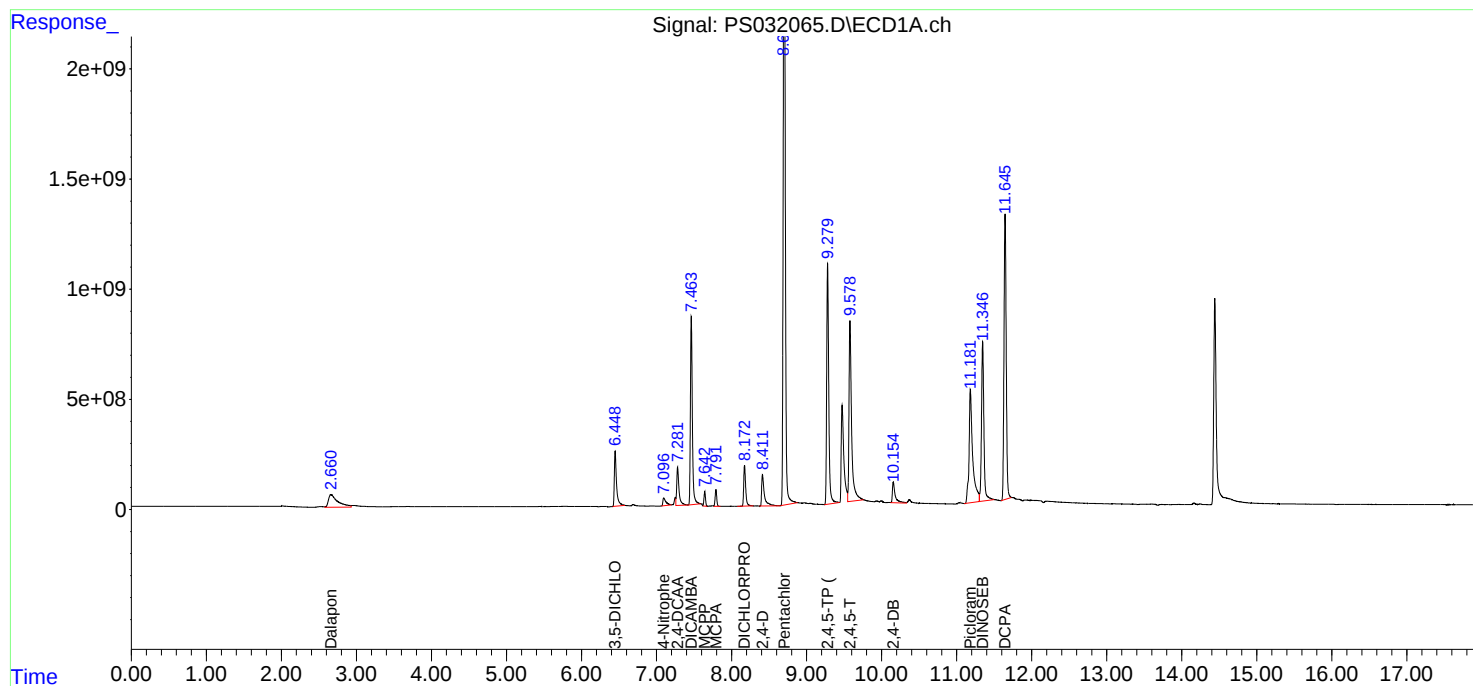
Manual Integrations

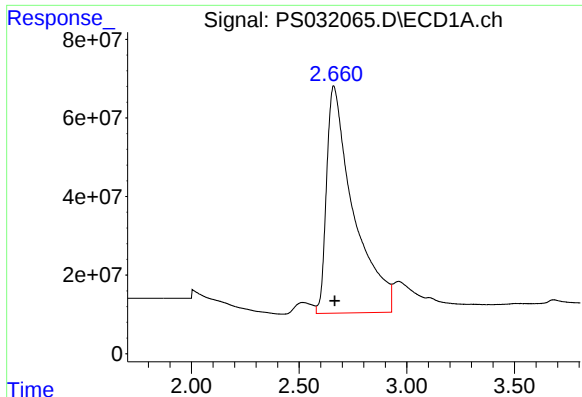
APPROVED

Reviewed By : Abdul Mirza 10/17/2025
Supervised By : Sohil Jodhani 10/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 04:01:21 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





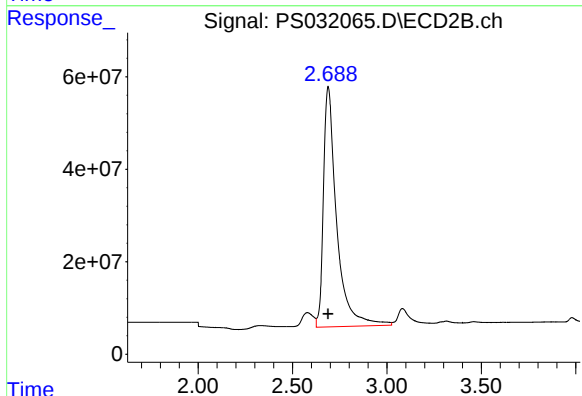
#1 Dalapon

R.T.: 2.659 min
Delta R.T.: -0.006 min
Response: 5003453835
Conc: 647.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

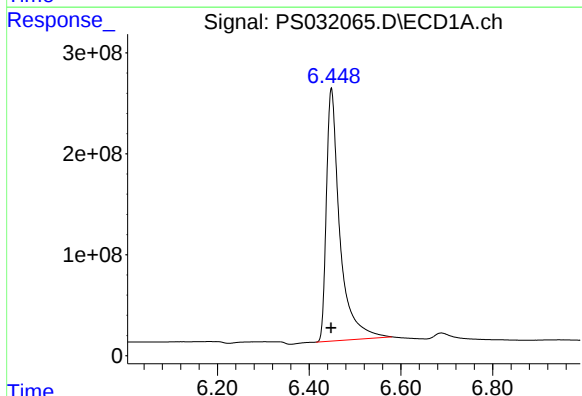
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025



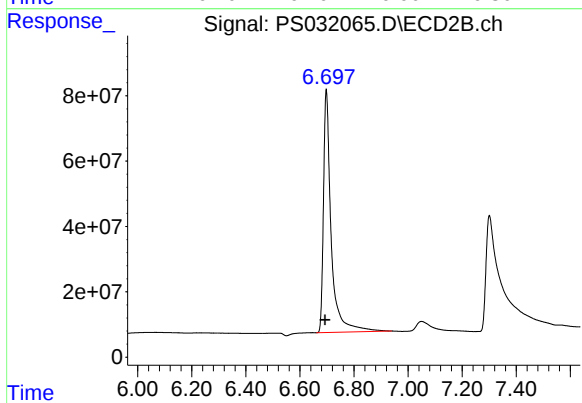
#1 Dalapon

R.T.: 2.688 min
Delta R.T.: 0.000 min
Response: 2534499113
Conc: 674.38 ng/ml



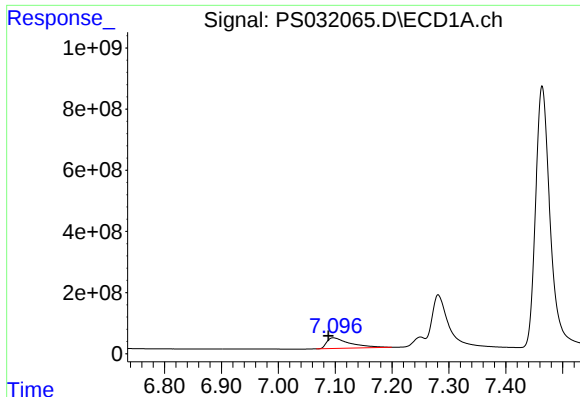
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.448 min
Delta R.T.: 0.000 min
Response: 5093459581
Conc: 723.62 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.698 min
Delta R.T.: 0.004 min
Response: 1478652700
Conc: 708.89 ng/ml



#3 4-Nitrophenol

R.T.: 7.096 min
Delta R.T.: 0.008 min
Response: 983900980
Conc: 737.18 ng/ml

Instrument :

ECD_S

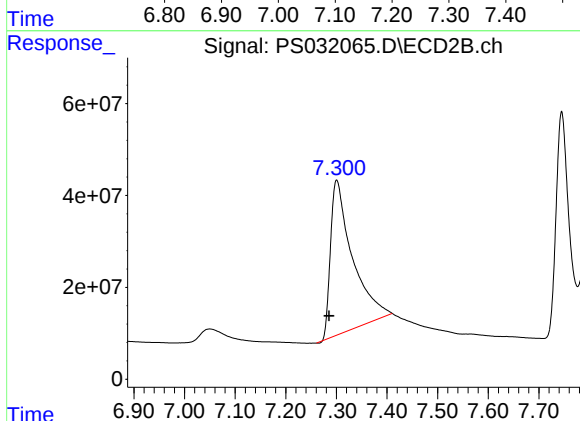
ClientSampleId :

HSTDCCC750

Manual Integrations

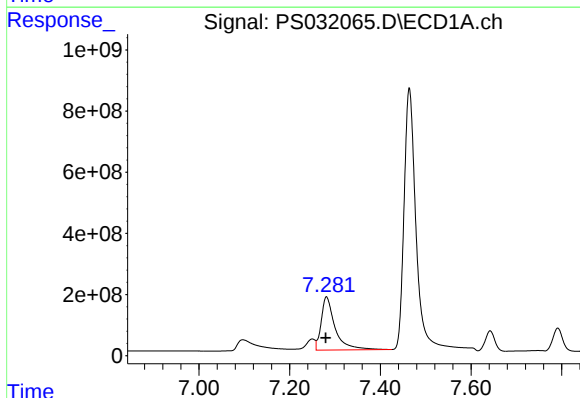
APPROVED

Reviewed By :Abdul Mirza 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025



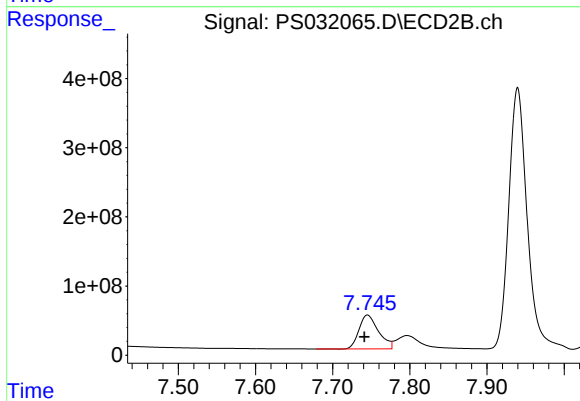
#3 4-Nitrophenol

R.T.: 7.301 min
Delta R.T.: 0.016 min
Response: 1015665667
Conc: 669.34 ng/ml



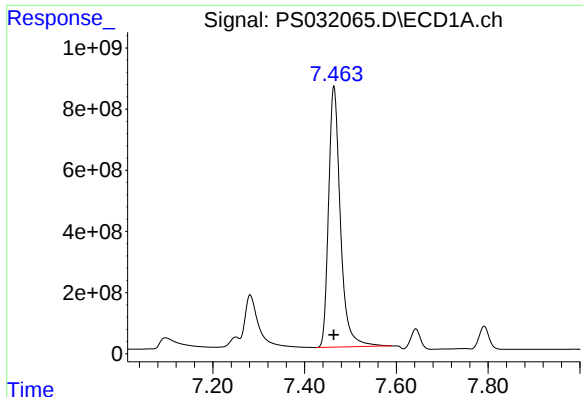
#4 2,4-DCAA

R.T.: 7.281 min
Delta R.T.: 0.001 min
Response: 3690198887
Conc: 774.11 ng/ml



#4 2,4-DCAA

R.T.: 7.745 min
Delta R.T.: 0.004 min
Response: 863935858
Conc: 785.15 ng/ml



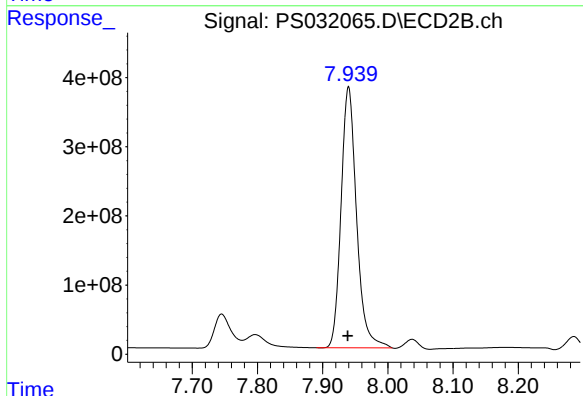
#5 DICAMBA

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 15252119362
Conc: 728.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

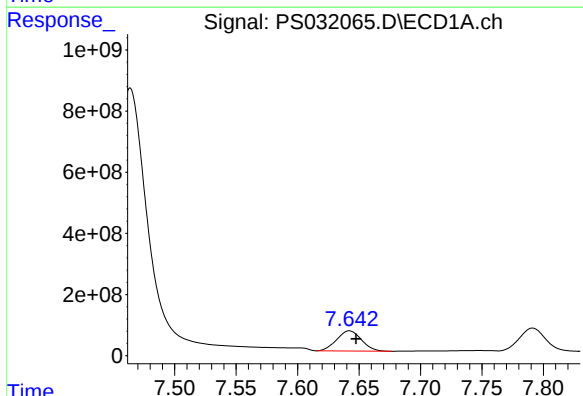
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025



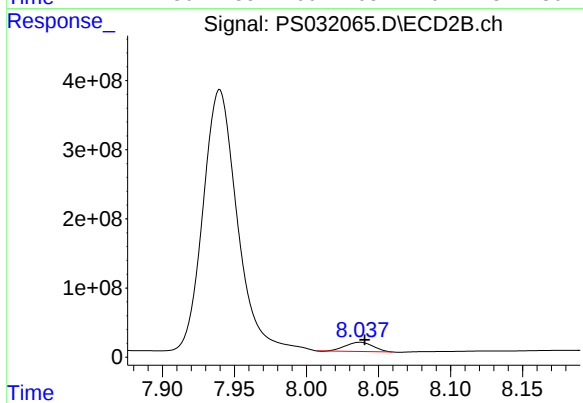
#5 DICAMBA

R.T.: 7.940 min
Delta R.T.: 0.002 min
Response: 6236848172
Conc: 720.12 ng/ml



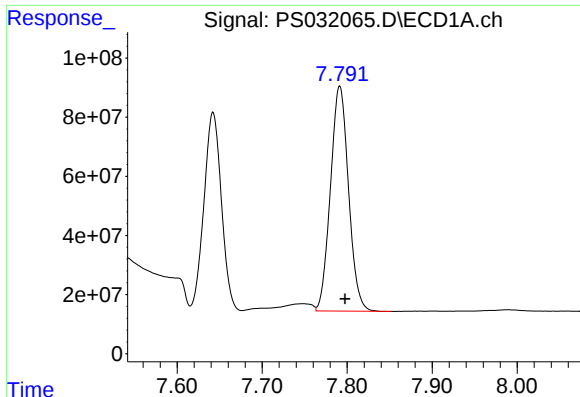
#6 MCPP

R.T.: 7.642 min
Delta R.T.: -0.005 min
Response: 924939397
Conc: 75.64 ug/ml



#6 MCPP

R.T.: 8.037 min
Delta R.T.: -0.003 min
Response: 176573674
Conc: 71.13 ug/ml



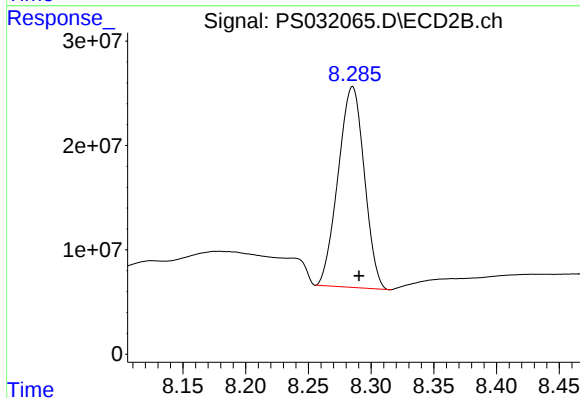
#7 MCPA

R.T.: 7.791 min
Delta R.T.: -0.006 min
Response: 1125216356
Conc: 76.46 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

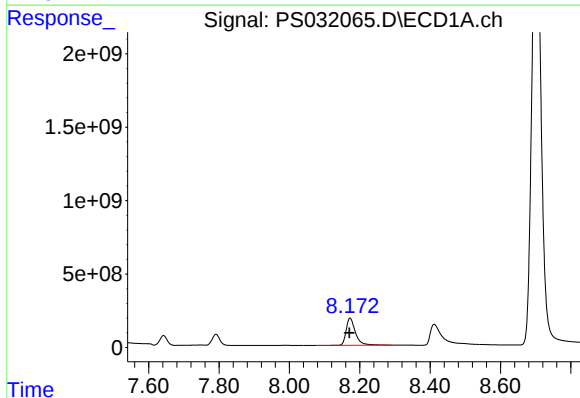
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025



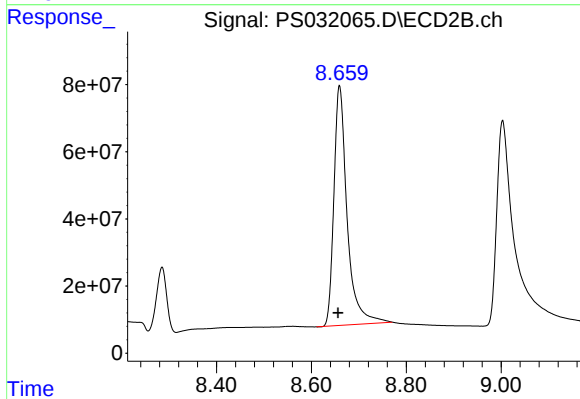
#7 MCPA

R.T.: 8.285 min
Delta R.T.: -0.005 min
Response: 279297403
Conc: 74.04 ug/ml



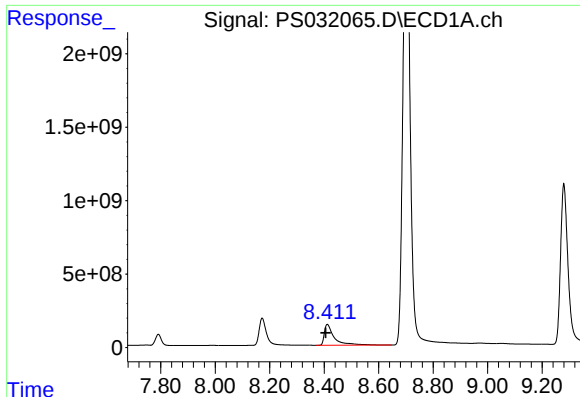
#8 DICHLORPROP

R.T.: 8.172 min
Delta R.T.: 0.002 min
Response: 3377966992
Conc: 710.53 ng/ml



#8 DICHLORPROP

R.T.: 8.659 min
Delta R.T.: 0.003 min
Response: 1381476610
Conc: 705.46 ng/ml



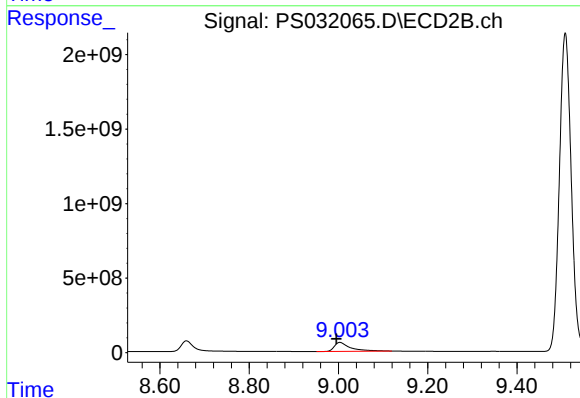
#9 2,4-D

R.T.: 8.412 min
Delta R.T.: 0.005 min
Response: 3612980121
Conc: 744.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

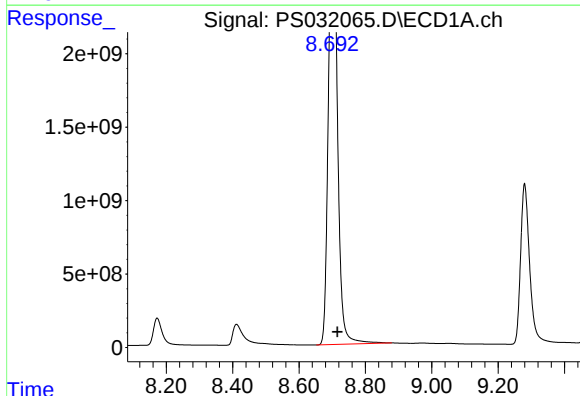
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025



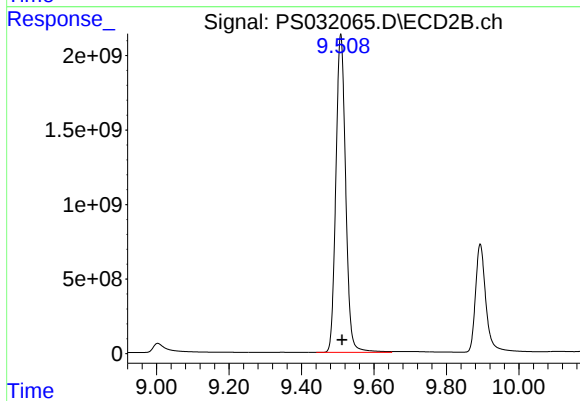
#9 2,4-D

R.T.: 9.003 min
Delta R.T.: 0.008 min
Response: 1483368171
Conc: 713.74 ng/ml



#10 Pentachlorophenol

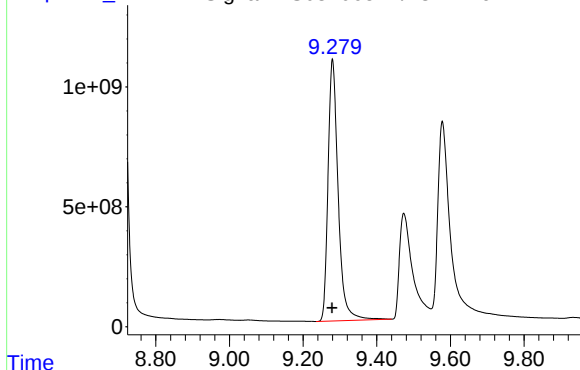
R.T.: 8.708 min
Delta R.T.: -0.008 min
Response: 49520307218
Conc: 737.79 ng/ml



#10 Pentachlorophenol

R.T.: 9.508 min
Delta R.T.: -0.004 min
Response: 39937204135
Conc: 770.63 ng/ml

Signal: PS032065.D\ECD1A.ch



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

R.T.: 9.280 min
Delta R.T.: 0.002 min
Response: 20807050684
Conc: 736.74 ng/ml

Instrument :

ECD_S

ClientSampleId :

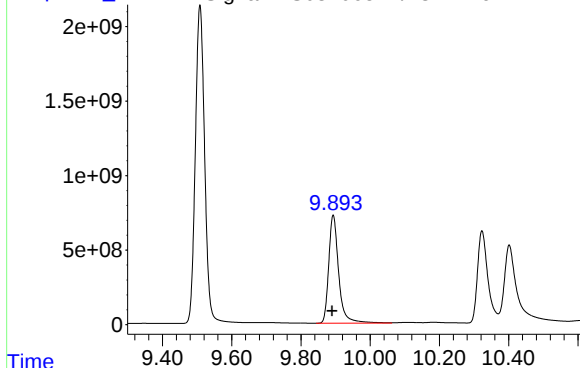
HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025

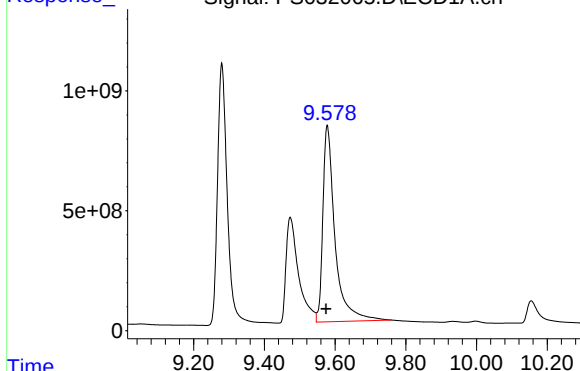
Signal: PS032065.D\ECD2B.ch



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

R.T.: 9.893 min
Delta R.T.: 0.003 min
Response: 14498504434
Conc: 722.22 ng/ml

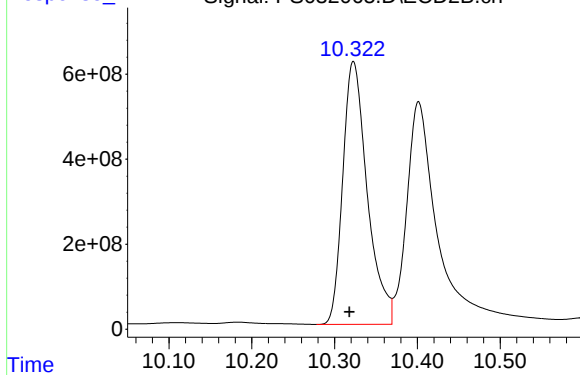
Signal: PS032065.D\ECD1A.ch



#12 2,4,5-T

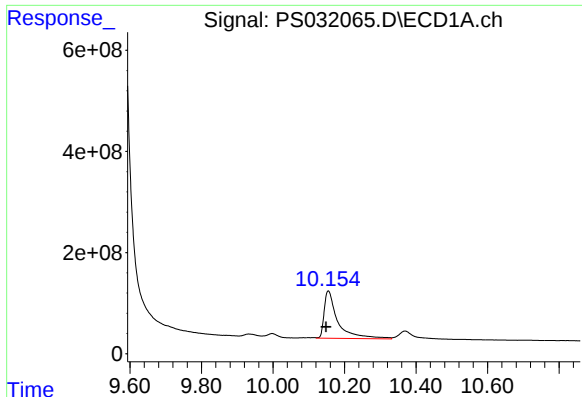
R.T.: 9.578 min
Delta R.T.: 0.004 min
Response: 19510323304
Conc: 772.86 ng/ml

Signal: PS032065.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.323 min
Delta R.T.: 0.005 min
Response: 12727731771
Conc: 742.37 ng/ml



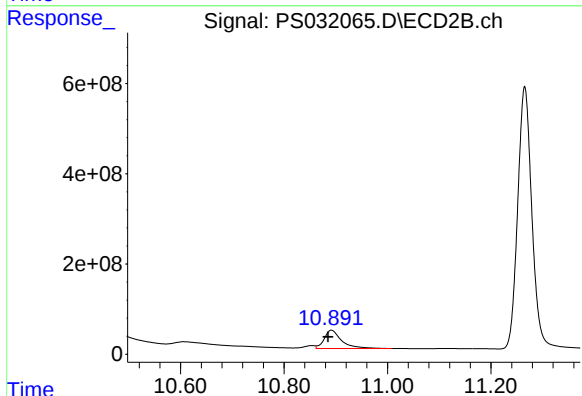
#13 2,4-DB

R.T.: 10.155 min
Delta R.T.: 0.006 min
Response: 2478120512
Conc: 799.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

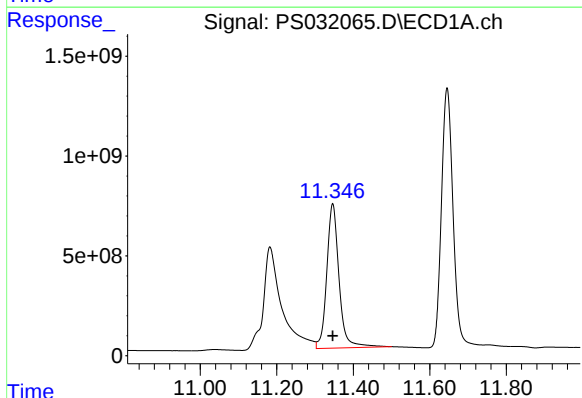
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025



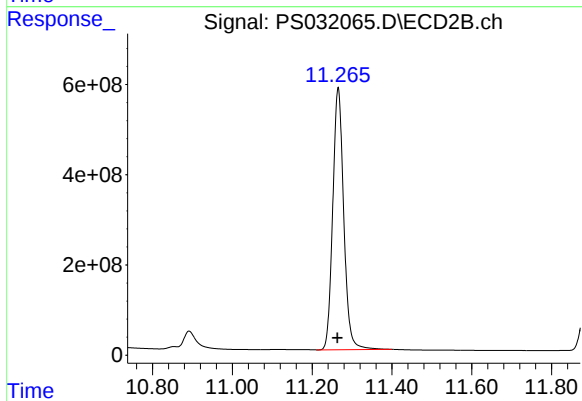
#13 2,4-DB

R.T.: 10.891 min
Delta R.T.: 0.006 min
Response: 939808260
Conc: 727.35 ng/ml m



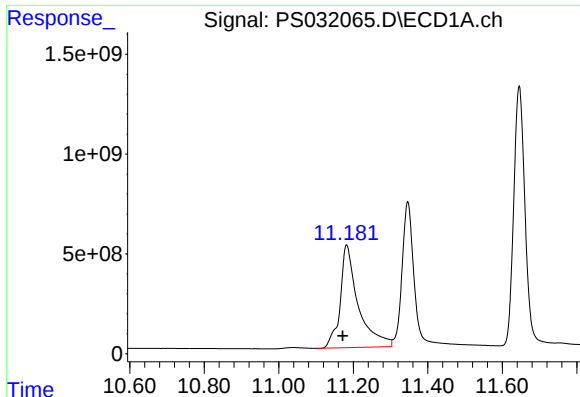
#14 DINOSEB

R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 16039210356
Conc: 719.22 ng/ml



#14 DINOSEB

R.T.: 11.265 min
Delta R.T.: 0.002 min
Response: 11078011832
Conc: 728.67 ng/ml



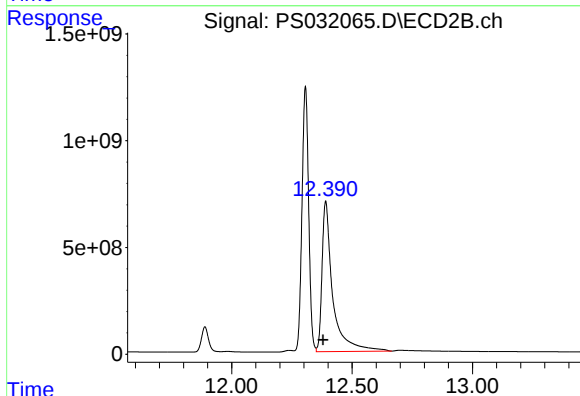
#15 Picloram

R.T.: 11.182 min
Delta R.T.: 0.010 min
Response: 17296724591
Conc: 733.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

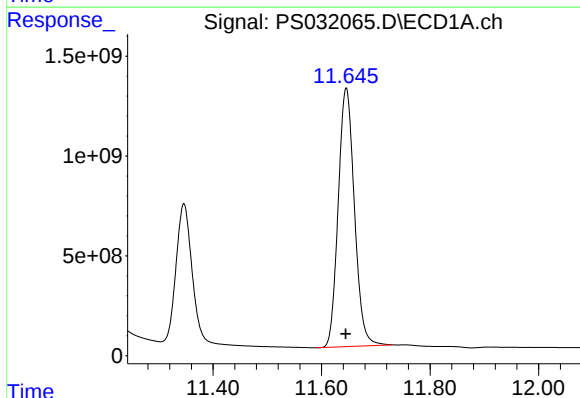
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025



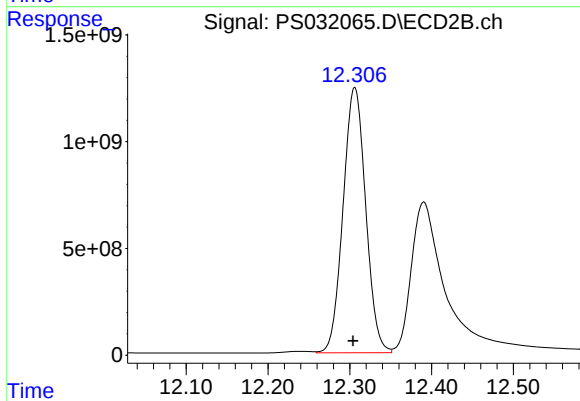
#15 Picloram

R.T.: 12.390 min
Delta R.T.: 0.011 min
Response: 21886989492
Conc: 657.42 ng/ml



#16 DCPA

R.T.: 11.645 min
Delta R.T.: 0.000 min
Response: 26840109083
Conc: 730.54 ng/ml



#16 DCPA

R.T.: 12.306 min
Delta R.T.: 0.002 min
Response: 23875415570
Conc: 718.89 ng/ml

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3321

Project: RFP 918

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	10/14/2025	21:08	PS032013.D	7.28	0.00
HSTDCCC750	HSTDCCC750	10/14/2025	21:32	PS032014.D	7.28	0.00
PB170090BL	PB170090BL	10/14/2025	22:20	PS032015.D	7.28	0.00
PB170090BS	PB170090BS	10/14/2025	22:44	PS032016.D	7.28	0.00
P001-DS-01	Q3321-02	10/14/2025	23:33	PS032018.D	7.28	0.00
P001-DS-01MS	Q3321-02MS	10/14/2025	23:57	PS032019.D	7.28	0.00
P001-DS-01MSD	Q3321-02MSD	10/15/2025	00:21	PS032020.D	7.28	0.00
IBLK	IBLK	10/15/2025	00:45	PS032021.D	7.29	0.00
HSTDCCC750	HSTDCCC750	10/15/2025	01:09	PS032022.D	7.28	0.00
IBLK	IBLK	10/16/2025	09:35	PS032054.D	7.29	0.00
HSTDCCC750	HSTDCCC750	10/16/2025	09:59	PS032055.D	7.28	0.00
P001-DS-01RE	Q3321-02RE	10/16/2025	13:01	PS032058.D	7.28	0.00
PB170062TB	PB170062TB	10/16/2025	17:04	PS032063.D	7.28	0.00
IBLK	IBLK	10/16/2025	17:29	PS032064.D	7.29	0.00
HSTDCCC750	HSTDCCC750	10/16/2025	17:53	PS032065.D	7.28	0.00

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3321

Project: RFP 918

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	10/14/2025	21:08	PS032013.D	7.75	0.00
HSTDCCC750	HSTDCCC750	10/14/2025	21:32	PS032014.D	7.74	0.00
PB170090BL	PB170090BL	10/14/2025	22:20	PS032015.D	7.74	0.00
PB170090BS	PB170090BS	10/14/2025	22:44	PS032016.D	7.75	0.00
P001-DS-01	Q3321-02	10/14/2025	23:33	PS032018.D	7.78	0.00
P001-DS-01MS	Q3321-02MS	10/14/2025	23:57	PS032019.D	7.79	0.00
P001-DS-01MSD	Q3321-02MSD	10/15/2025	00:21	PS032020.D	7.78	0.00
IBLK	IBLK	10/15/2025	00:45	PS032021.D	7.75	0.00
HSTDCCC750	HSTDCCC750	10/15/2025	01:09	PS032022.D	7.74	0.00
IBLK	IBLK	10/16/2025	09:35	PS032054.D	7.75	0.00
HSTDCCC750	HSTDCCC750	10/16/2025	09:59	PS032055.D	7.74	0.00
P001-DS-01RE	Q3321-02RE	10/16/2025	13:01	PS032058.D	7.78	0.00
PB170062TB	PB170062TB	10/16/2025	17:04	PS032063.D	7.74	0.00
IBLK	IBLK	10/16/2025	17:29	PS032064.D	7.75	0.00
HSTDCCC750	HSTDCCC750	10/16/2025	17:53	PS032065.D	7.75	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-DS-01MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3321-02MS

Date(s) Analyzed: 10/14/2025 10/14/2025

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	24.8	14.7
	2	9.89	9.84	9.94	21.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-DS-01MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3321-02MSD

Date(s) Analyzed: 10/15/2025 10/15/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	25.5	16.6
	2	9.89	9.84	9.94	21.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170090BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: PB170090BS

Date(s) Analyzed: 10/14/2025 10/14/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.41	8.36	8.46	5.30	3.8
	2	9.00	8.95	9.05	5.10	
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	5.10	1.9
	2	9.89	9.84	9.94	5.20	



QC SAMPLE DATA



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	PB170090BL		SDG No.:	Q3321
Lab Sample ID:	PB170090BL		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/14/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/14/25 22:20	PB170090
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/14/25 22:20	PB170090
SURROGATES									
19719-28-9	2,4-DCAA	503			61 - 136	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

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\PS101425\
Data File : PS032015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 22:20
Operator : AR\AJ
Sample : PB170090BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170090BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:24:19 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	7.280	7.744	1805.0E6	553.7E6	378.652	503.216 #

Target Compounds

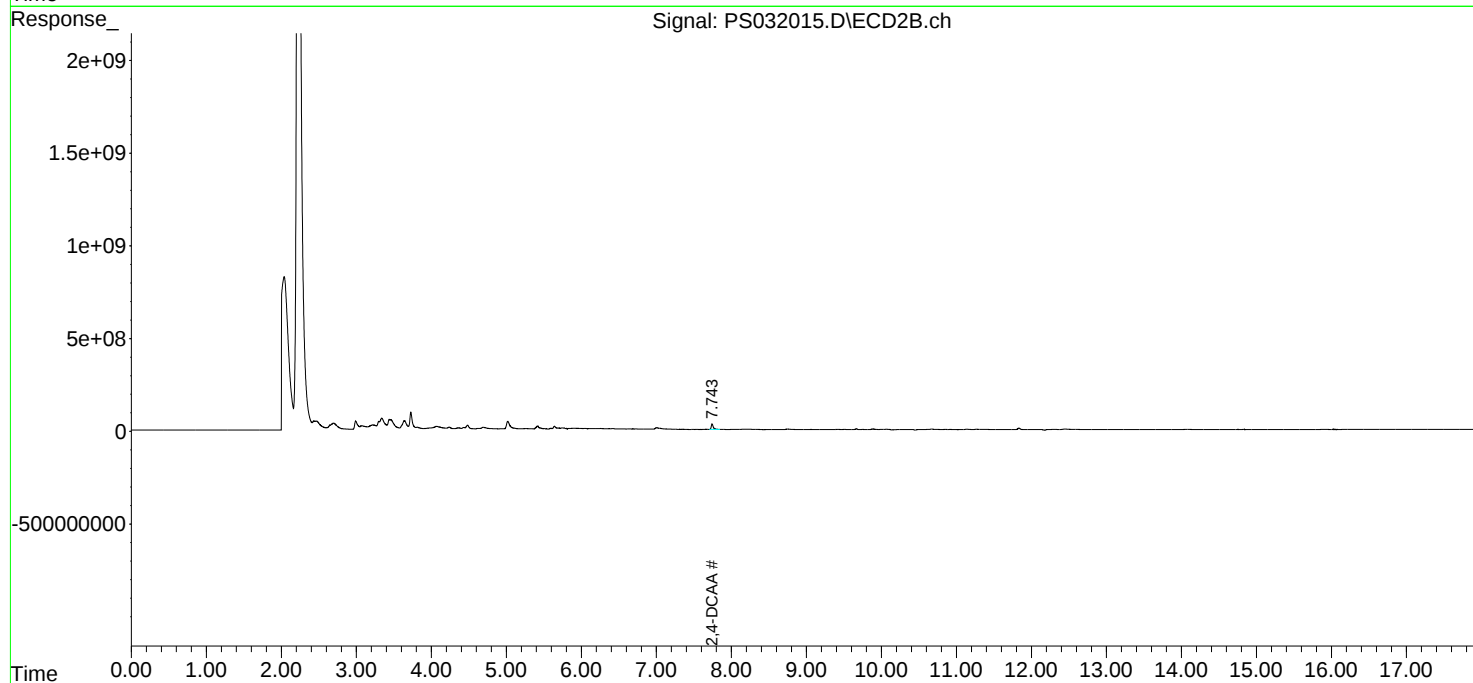
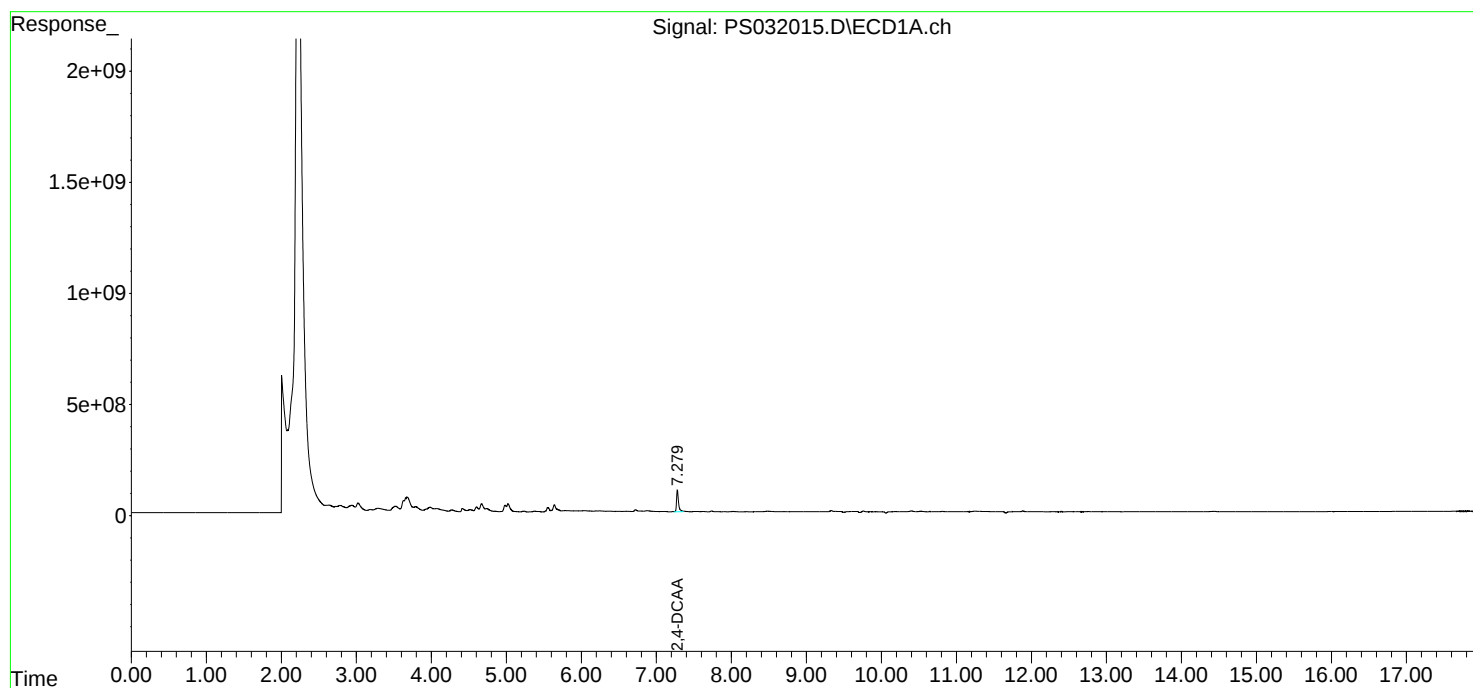
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

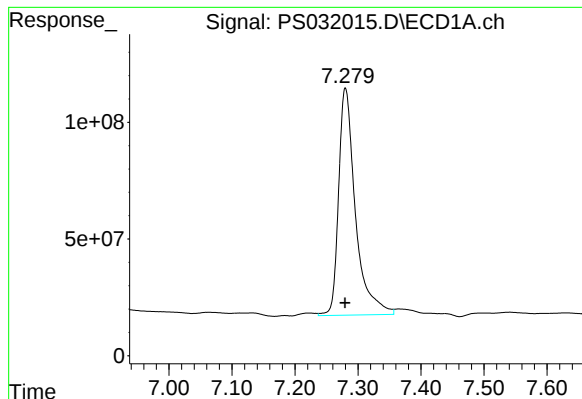
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
Data File : PS032015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 22:20
Operator : AR\AJ
Sample : PB170090BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB170090BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:24:19 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

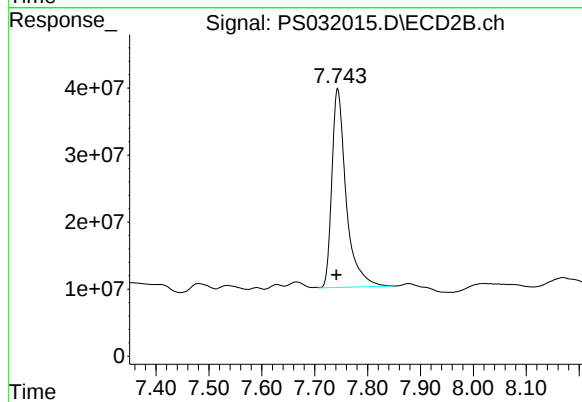




#4 2,4-DCAA

R.T.: 7.280 min
Delta R.T.: 0.000 min
Response: 1805046094
Conc: 378.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170090BL



#4 2,4-DCAA

R.T.: 7.744 min
Delta R.T.: 0.003 min
Response: 553708368
Conc: 503.22 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/13/25
Project:	RFP 918		Date Received:	10/13/25
Client Sample ID:	PIBLK-PS031982.D		SDG No.:	Q3321
Lab Sample ID:	I.BLK-PS031982.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date:	TCLP Herbicide	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/13/25	PS101325
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/13/25	PS101325
SURROGATES									
19719-28-9	2,4-DCAA	407			61 - 136	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

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

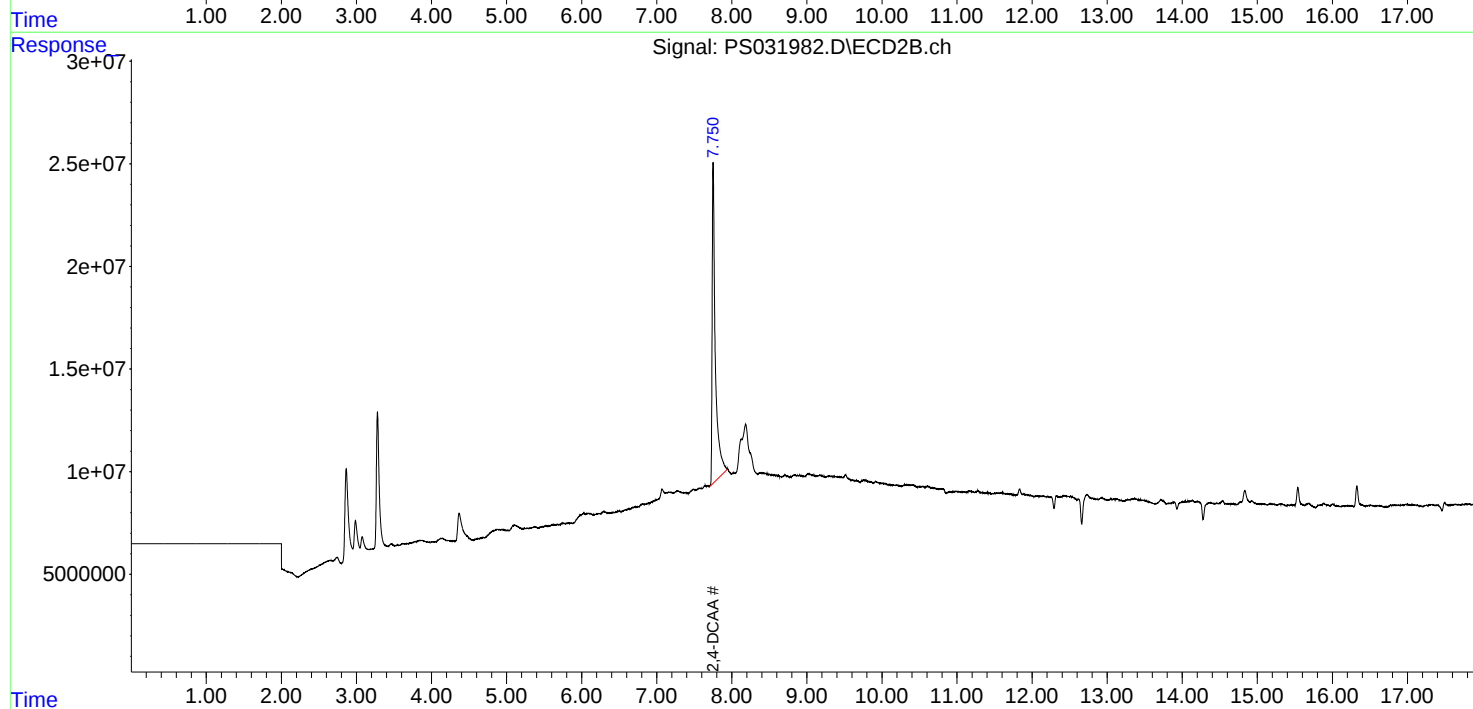
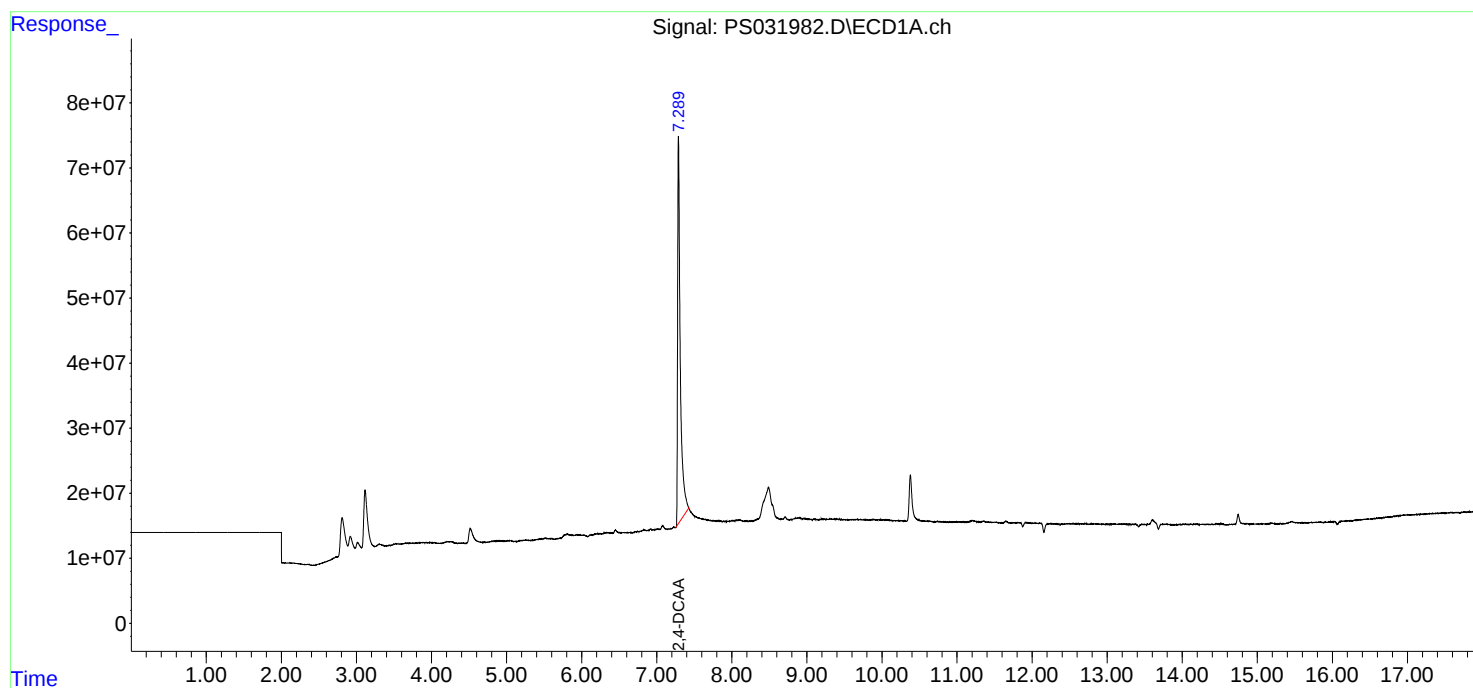
Instrument :
ECD_S
ClientSampleId :
I.BLK

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

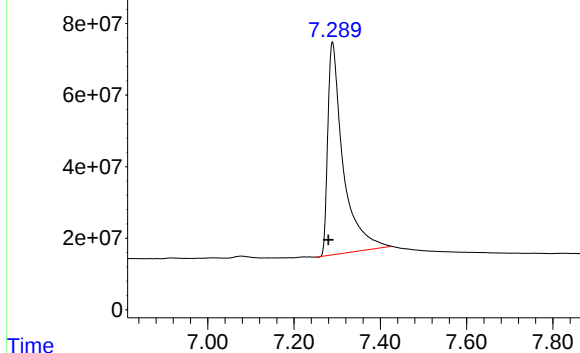
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS031982.D\ECD1A.ch

#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

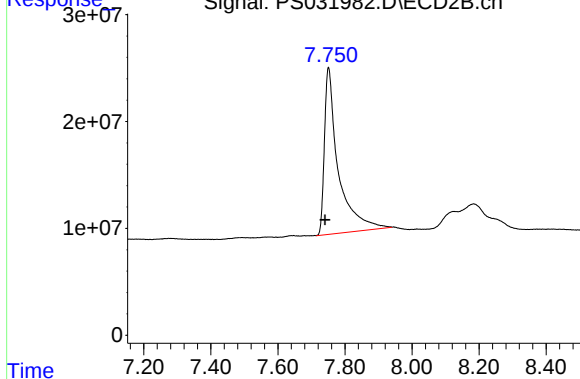
Supervised By :mohammad ahmed 10/15/2025

Time

Response

Signal: PS031982.D\ECD2B.ch

#4 2,4-DCAA



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



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/14/25
Project:	RFP 918		Date Received:	10/14/25
Client Sample ID:	PIBLK-PS032013.D		SDG No.:	Q3321
Lab Sample ID:	I.BLK-PS032013.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date:	TCLP Herbicide	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/14/25	PS101425
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/14/25	PS101425
SURROGATES									
19719-28-9	2,4-DCAA	425			61 - 136	85%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
Data File : PS032013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 21:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:23:46 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	7.749	1669.5E6	467.8E6	350.227	425.138

Target Compounds

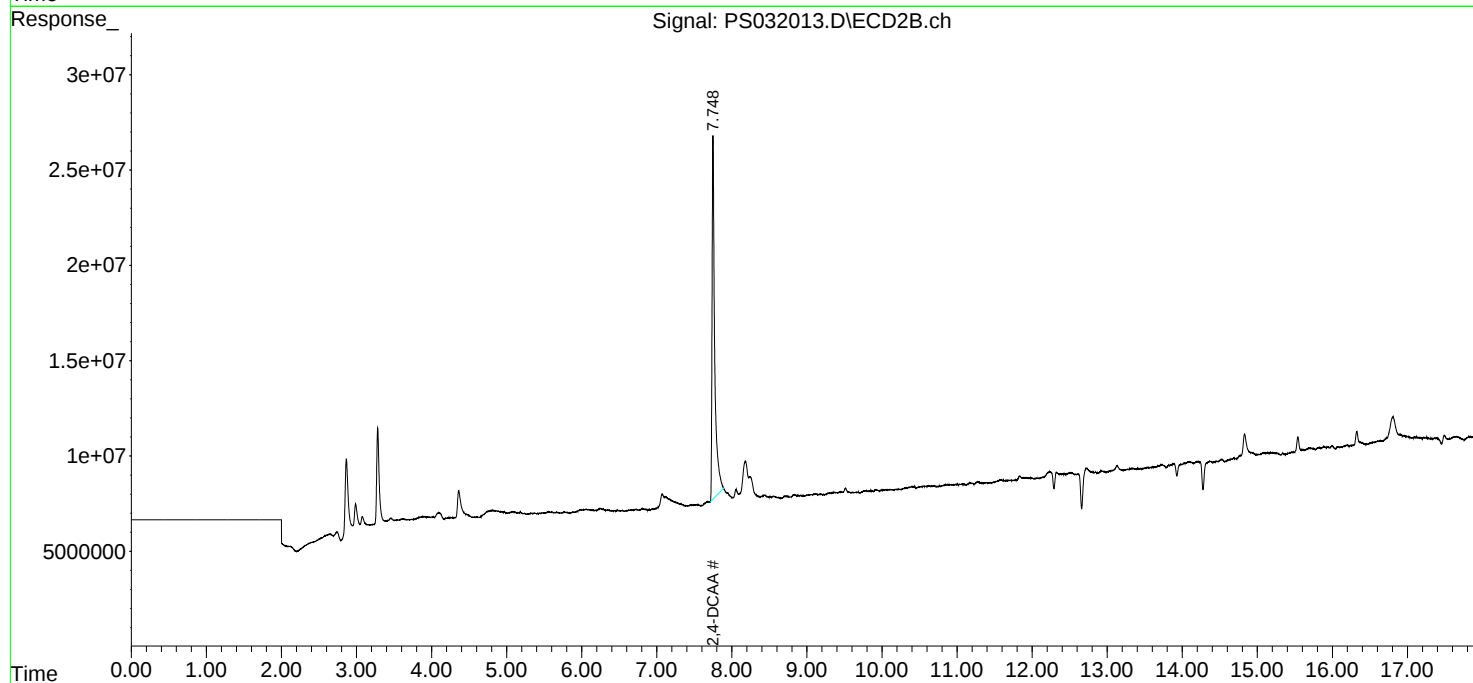
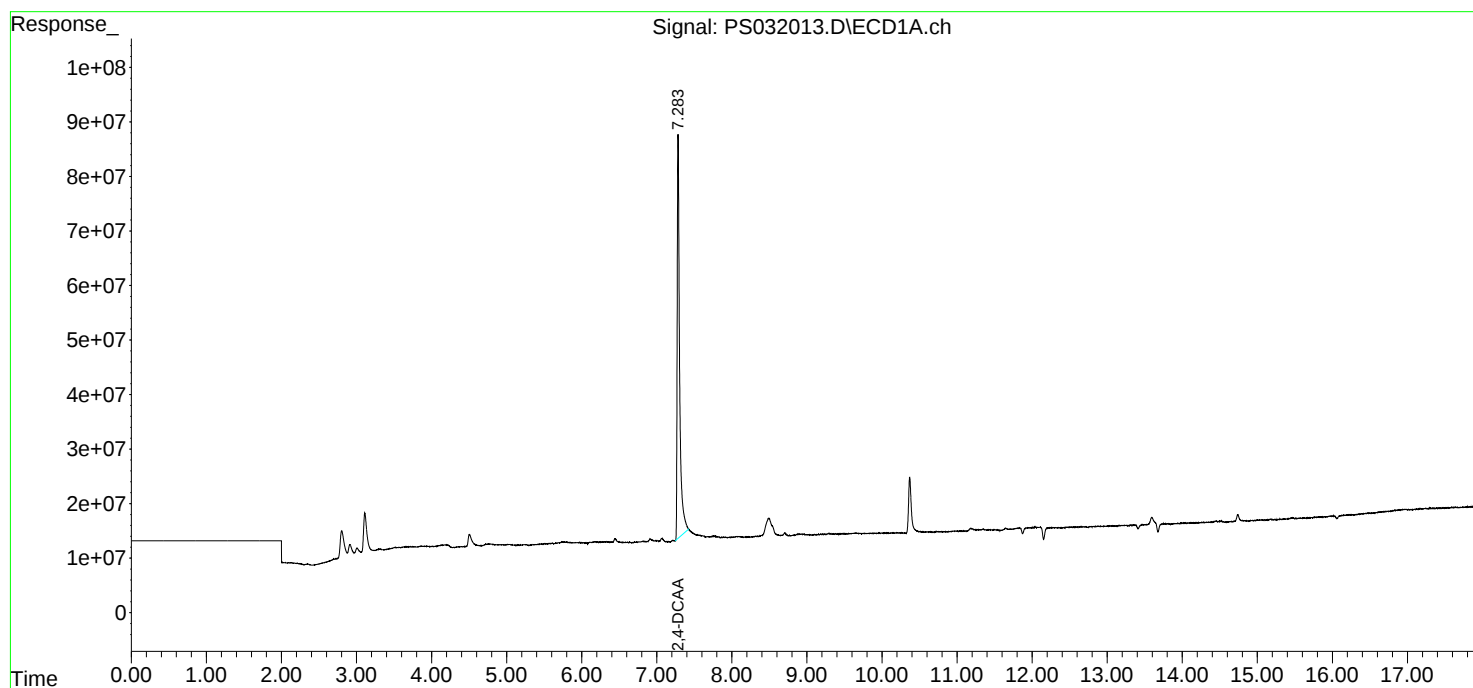
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

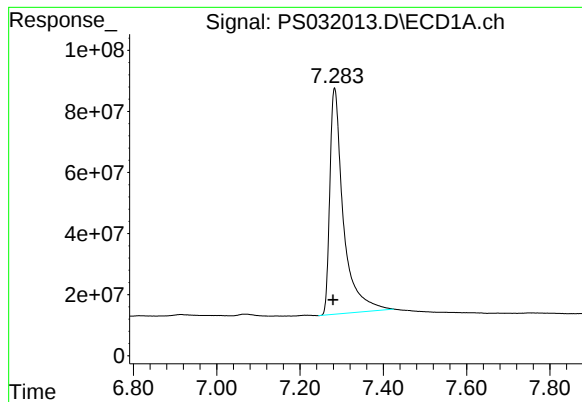
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
Data File : PS032013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 21:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:23:46 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

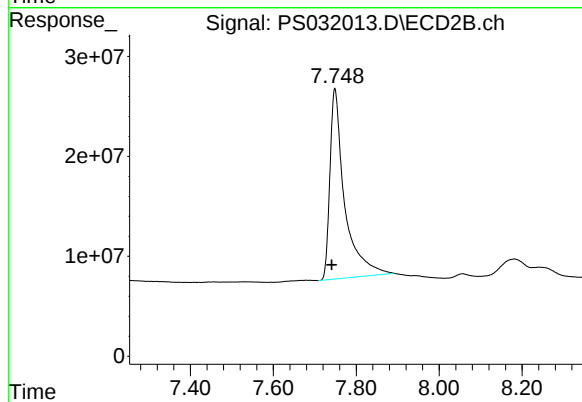




#4 2,4-DCAA

R.T.: 7.283 min
Delta R.T.: 0.003 min
Response: 1669543134
Conc: 350.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.749 min
Delta R.T.: 0.008 min
Response: 467796958
Conc: 425.14 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/15/25
Project:	RFP 918		Date Received:	10/15/25
Client Sample ID:	PIBLK-PS032021.D		SDG No.:	Q3321
Lab Sample ID:	I.BLK-PS032021.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date:	TCLP Herbicide	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/15/25	PS101425
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/15/25	PS101425
SURROGATES									
19719-28-9	2,4-DCAA	417			61 - 136	83%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
Data File : PS032021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 00:45
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 10/15/2025
Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:25:33 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	1616.4E6	459.2E6	339.085	417.354m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
Data File : PS032021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 00:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

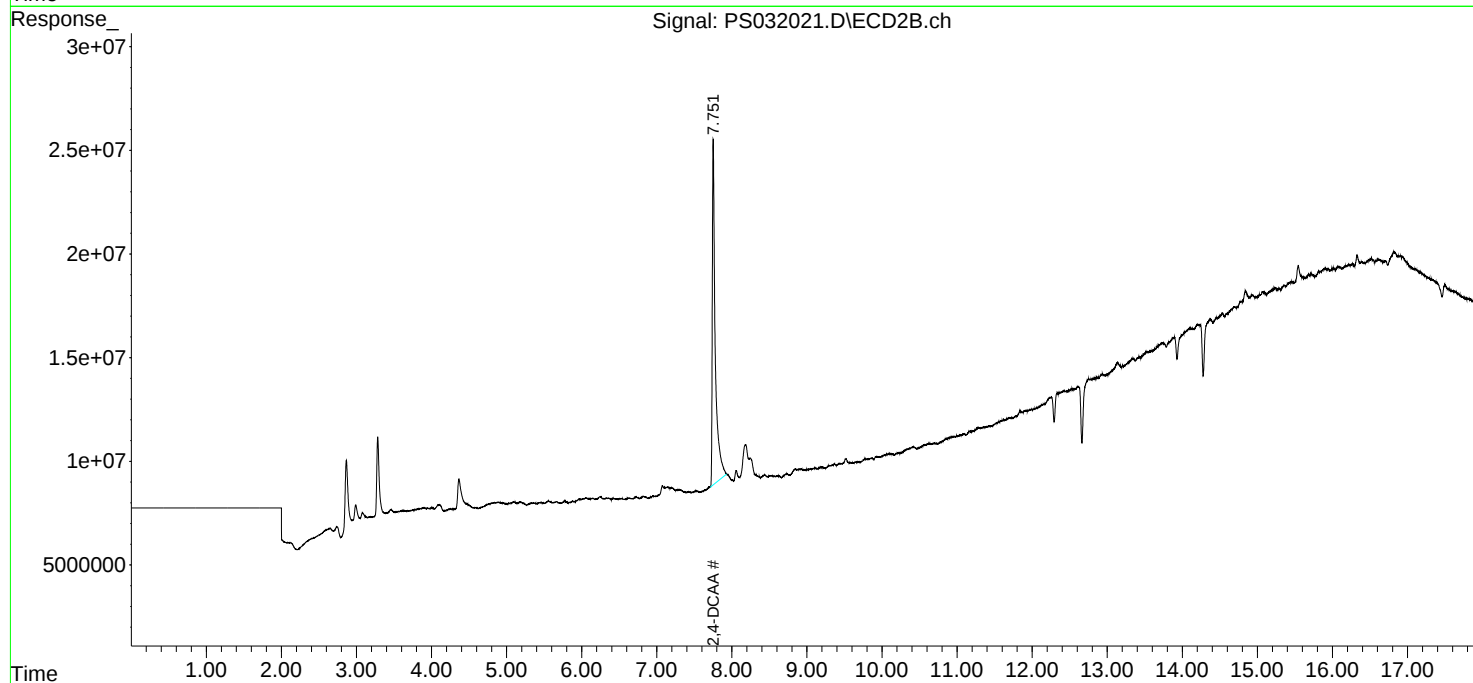
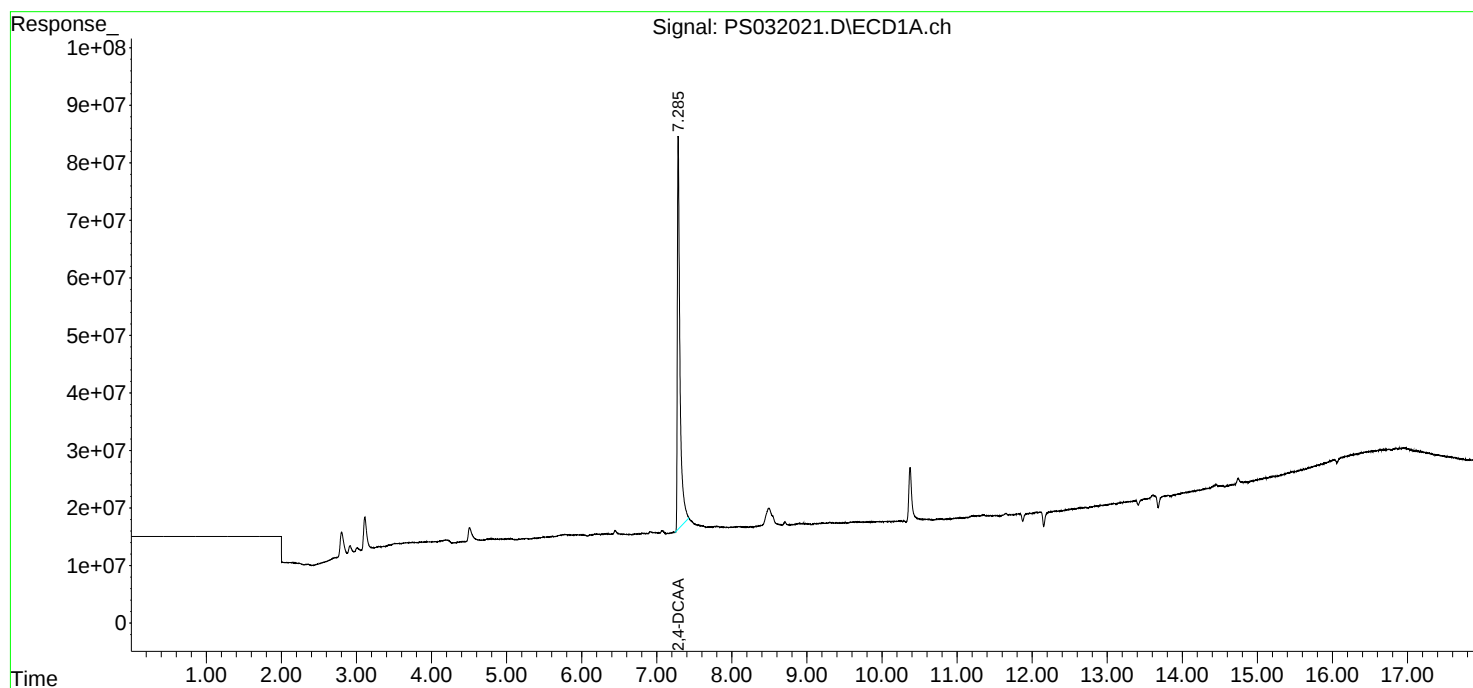
Instrument :
ECD_S
ClientSampleId :
I.BLK

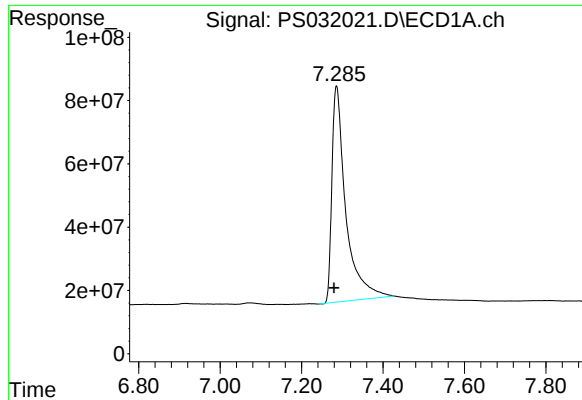
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/15/2025
Supervised By : mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:25:33 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





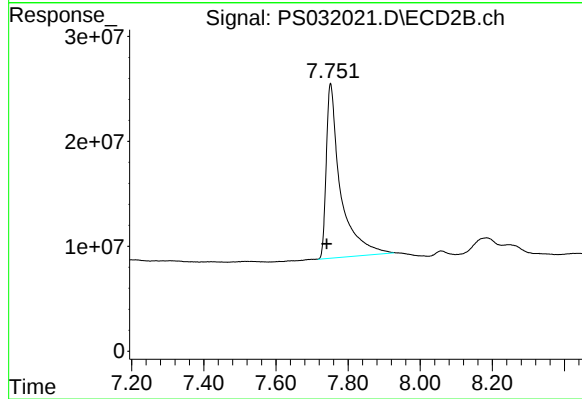
#4 2,4-DCAA

R.T.: 7.286 min
Delta R.T.: 0.006 min
Response: 1616427843
Conc: 339.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



#4 2,4-DCAA

R.T.: 7.751 min
Delta R.T.: 0.010 min
Response: 459231509
Conc: 417.35 ng/ml m

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/16/25	
Project: RFP 918	Date Received: 10/16/25	
Client Sample ID: PIBLK-PS032054.D	SDG No.: Q3321	
Lab Sample ID: I.BLK-PS032054.D	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 10000 uL	Test: TCLP Herbicide	
Prep Method: SW3510C Prep Date		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/16/25	PS101625
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/16/25	PS101625
SURROGATES									
19719-28-9	2,4-DCAA	443			61 - 136	89%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101625\
Data File : PS032054.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2025 09:35
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 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 12:42:46 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	7.287	7.752	1645.9E6	486.9E6	345.275	442.534m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101625\
Data File : PS032054.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2025 09:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

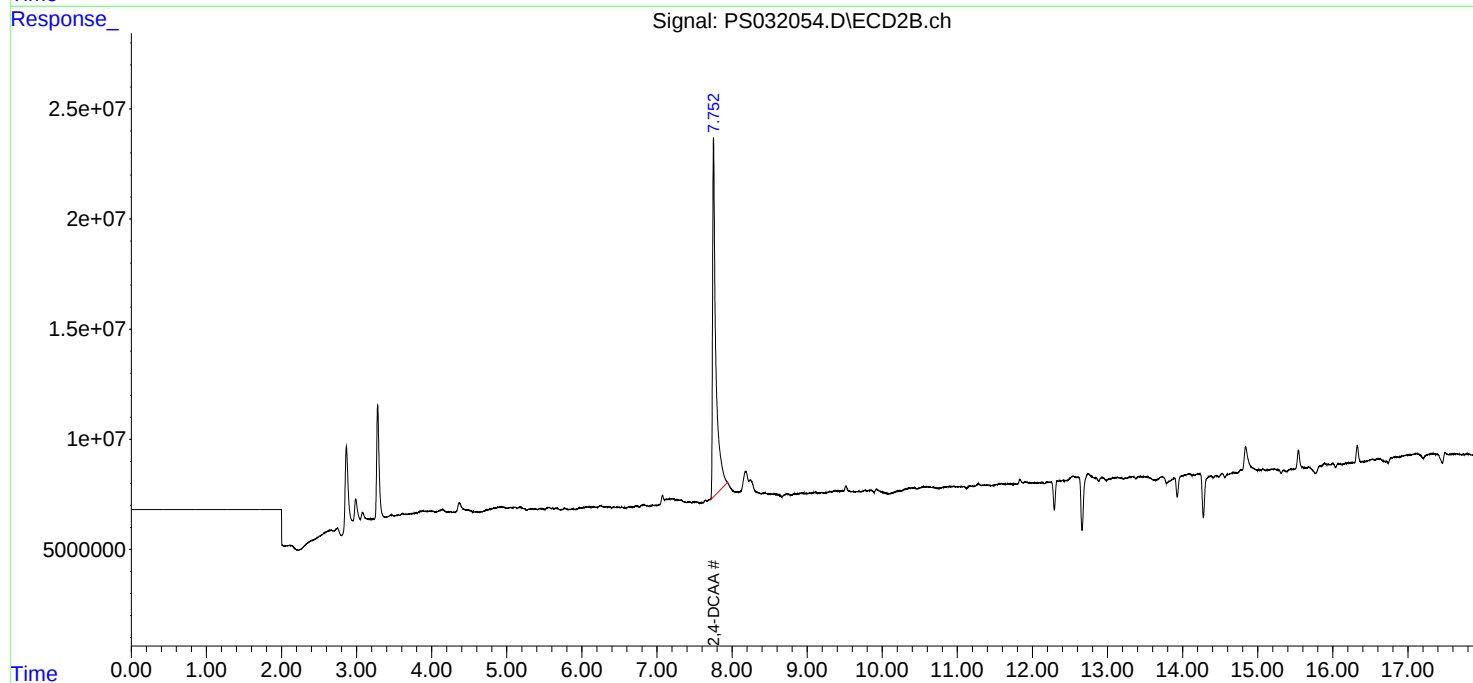
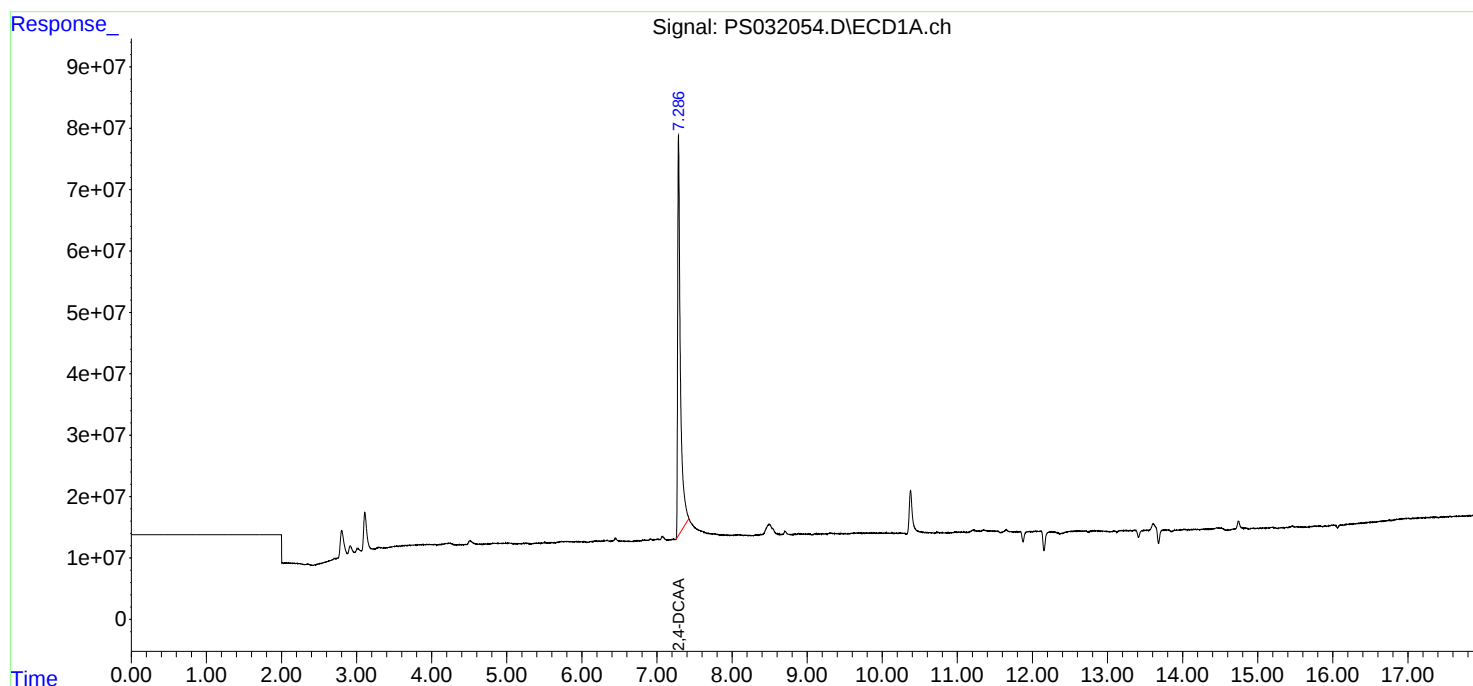
Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/17/2025
Supervised By : Sohil Jodhani 10/17/2025

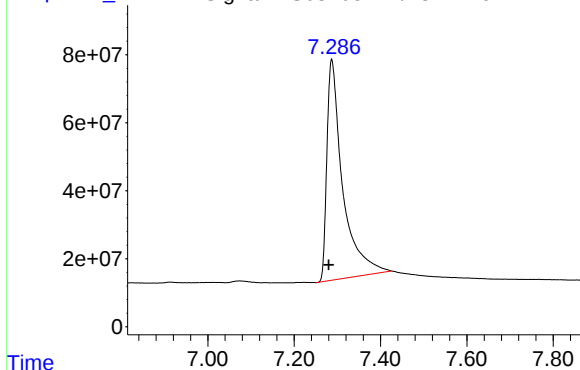
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 12:42:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS101325.M
Quant Title : 8080.M
QLast Update : Mon Oct 13 12:51:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS032054.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.287 min
Delta R.T.: 0.007 min
Response: 1645936246
Conc: 345.27 ng/ml

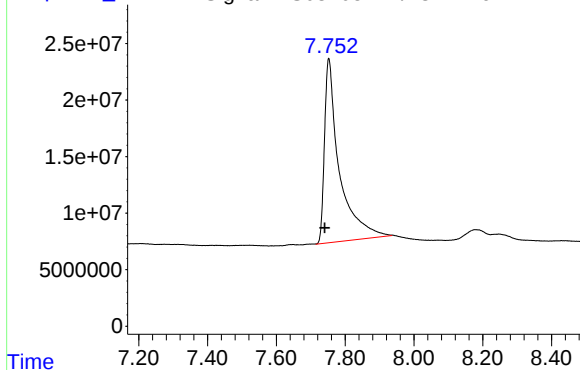
Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025

Signal: PS032054.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.752 min
Delta R.T.: 0.011 min
Response: 486937482
Conc: 442.53 ng/ml m



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/16/25
Project:	RFP 918		Date Received:	10/16/25
Client Sample ID:	PIBLK-PS032064.D		SDG No.:	Q3321
Lab Sample ID:	I.BLK-PS032064.D		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date:		TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	0.92	U	1	0.92	2.00	ug/L	10/16/25	ps101625
93-72-1	2,4,5-TP (Silvex)	0.78	U	1	0.78	2.00	ug/L	10/16/25	ps101625
SURROGATES									
19719-28-9	2,4-DCAA	463			61 - 136	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

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\PS101625\
Data File : PS032064.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2025 17:29
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 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 04:01:11 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	7.751	1808.6E6	509.5E6	379.398	463.047m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101625\
Data File : PS032064.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2025 17:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

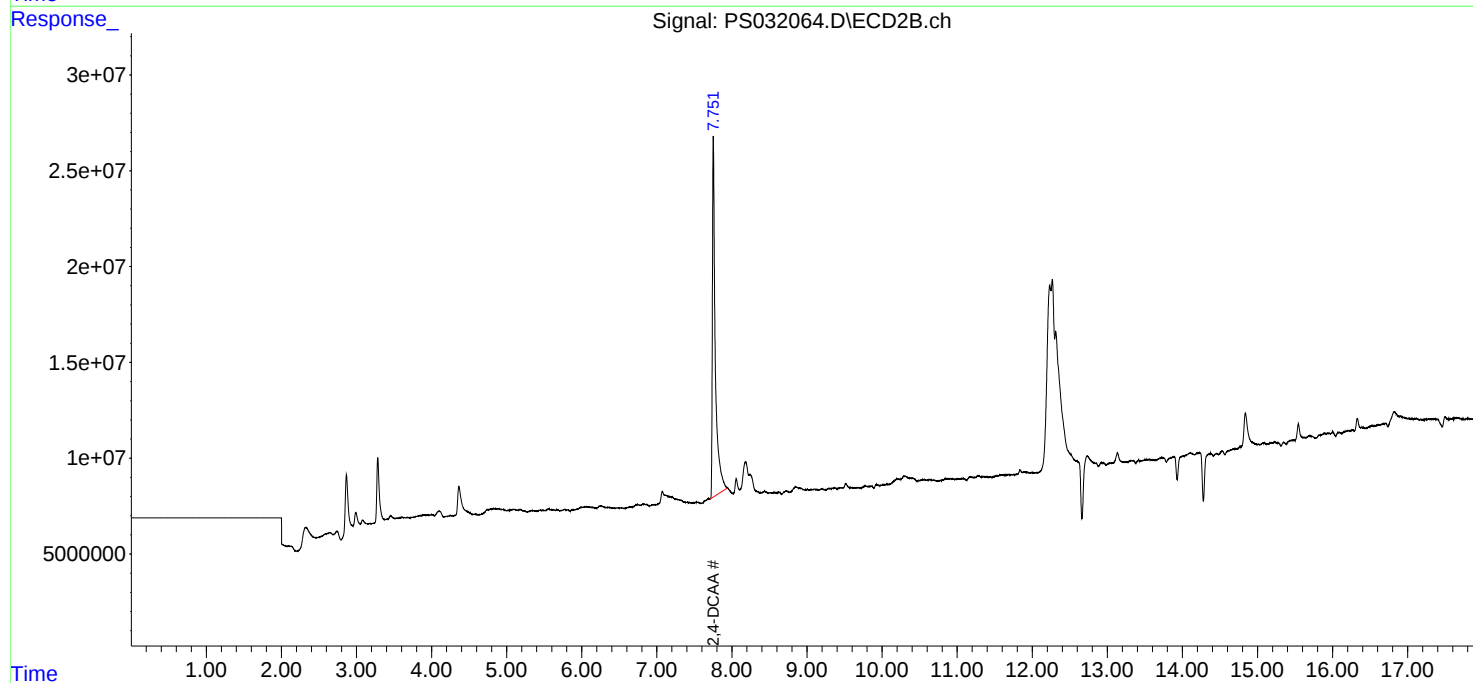
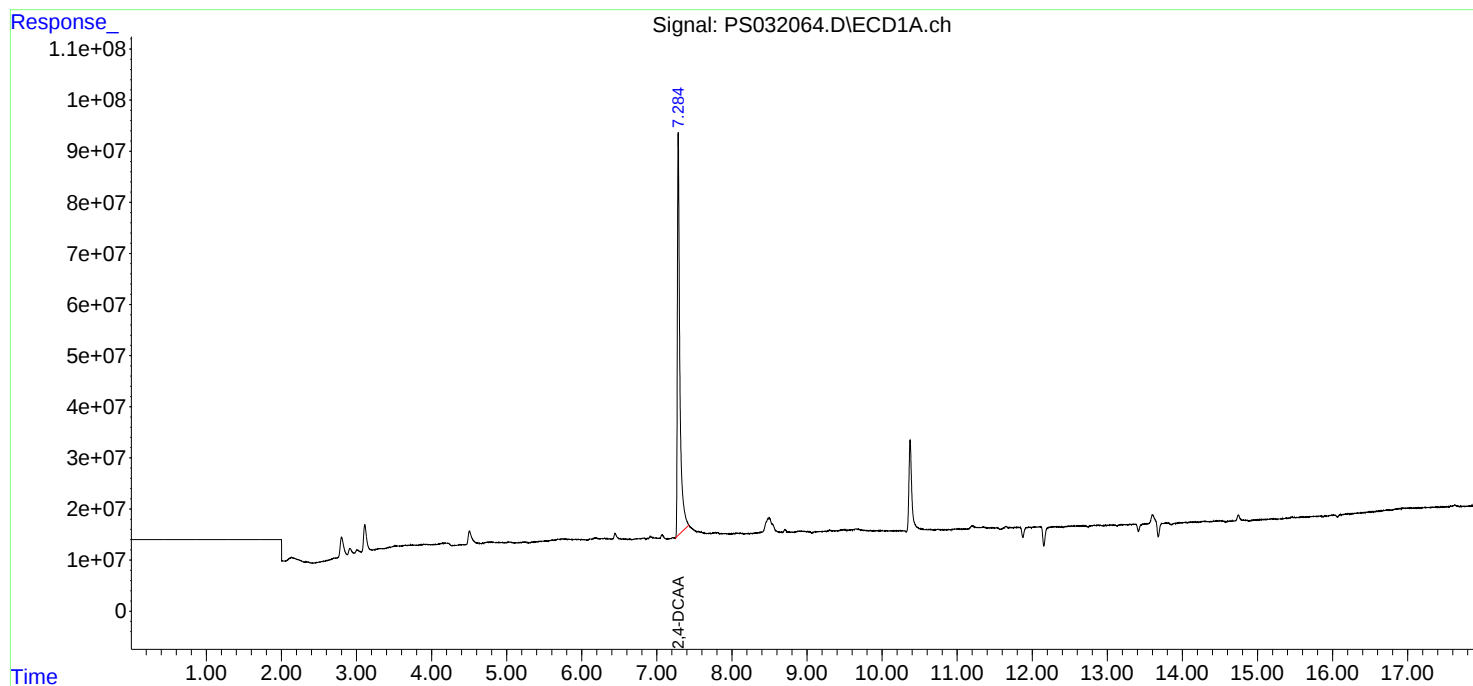
Instrument :
ECD_S
ClientSampleId :
I.BLK

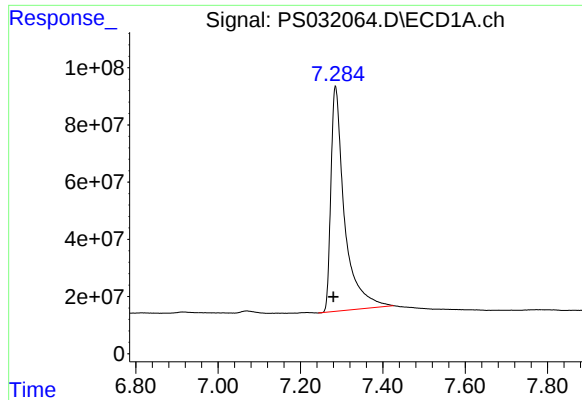
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/17/2025
Supervised By : Sohil Jodhani 10/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 04:01:11 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





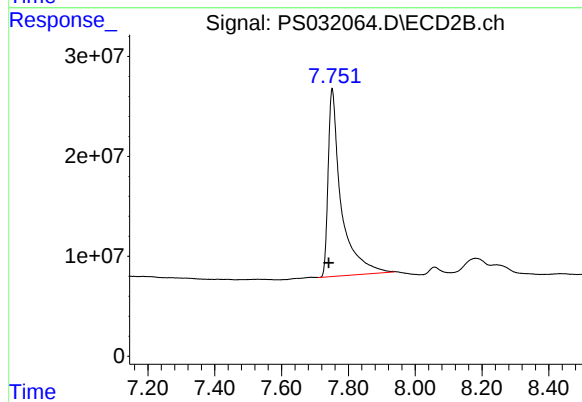
#4 2,4-DCAA

R.T.: 7.285 min
Delta R.T.: 0.005 min
Response: 1808603896
Conc: 379.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/17/2025
Supervised By :Sohil Jodhani 10/17/2025



#4 2,4-DCAA

R.T.: 7.751 min
Delta R.T.: 0.010 min
Response: 509509606
Conc: 463.05 ng/ml m



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	PB170090BS		SDG No.:	Q3321
Lab Sample ID:	PB170090BS		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/14/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	5.30		1	0.92	2.00	ug/L	10/14/25 22:44	PB170090
93-72-1	2,4,5-TP (Silvex)	5.20		1	0.78	2.00	ug/L	10/14/25 22:44	PB170090
SURROGATES									
19719-28-9	2,4-DCAA	554			61 - 136	111%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
 Data File : PS032016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 22:44
 Operator : AR\AJ
 Sample : PB170090BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB170090BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 03:24:30 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	7.281	7.745	2591.4E6	609.4E6	543.605	553.872
Target Compounds							
1) T	Dalapon	2.659	2.687	3463.2E6	1841.9E6	448.160	490.087
2) T	3,5-DICHL...	6.449	6.697	3536.1E6	988.0E6	502.368	473.674m
3) T	4-Nitroph...	7.098	7.305	786.7E6	778.6E6	589.398	513.101m
5) T	DICAMBA	7.463	7.939	10430.3E6	4398.5E6	498.050	507.863
6) T	MCPD	7.640	8.034	591.0E6	123.8E6	48.333	49.866
7) T	MCPA	7.789	8.282	720.1E6	187.8E6	48.934	49.795
8) T	DICHLORPROP	8.171	8.659	2358.9E6	1000.6E6	496.186	510.975
9) T	2,4-D	8.411	9.004	2551.3E6	1067.3E6	525.406	513.540
10) T	Pentachlo...	8.701	9.507	39216.7E6	28415.3E6	584.282	548.305
11) T	2,4,5-TP ...	9.279	9.892	14365.9E6	10362.6E6	508.671	516.199
12) T	2,4,5-T	9.577	10.322	13293.1E6	8964.3E6	526.578	522.862
13) T	2,4-DB	10.153	10.891	1317.2E6	641.0E6	424.847m	496.092
14) T	DINOSEB	11.345	11.263	10931.8E6	7549.0E6	490.198	496.543
15) T	Picloram	11.182	12.389	12549.1E6	16570.0E6	532.243	497.717
16) T	DCPA	11.643	12.304	19040.1E6	17549.3E6	518.236	528.409

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
Data File : PS032016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 22:44
Operator : AR\AJ
Sample : PB170090BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB170090BS

Manual Integrations

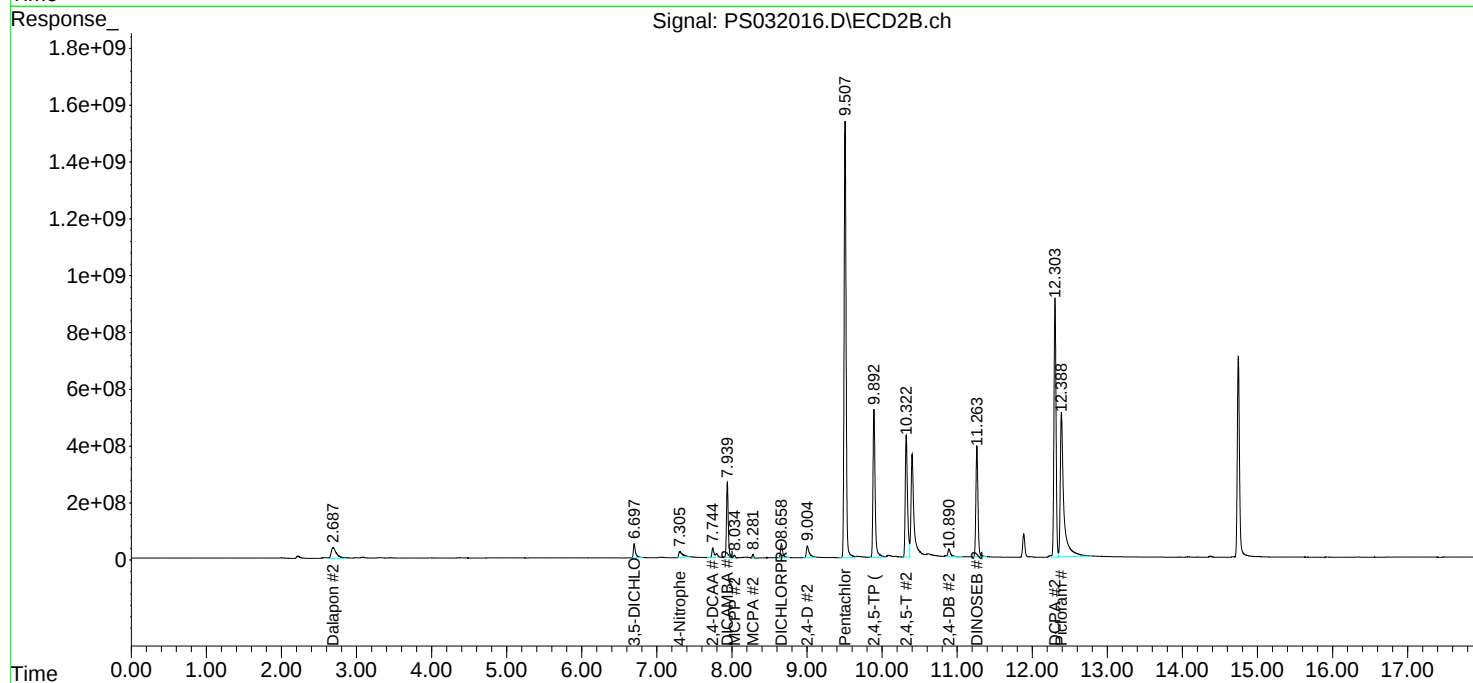
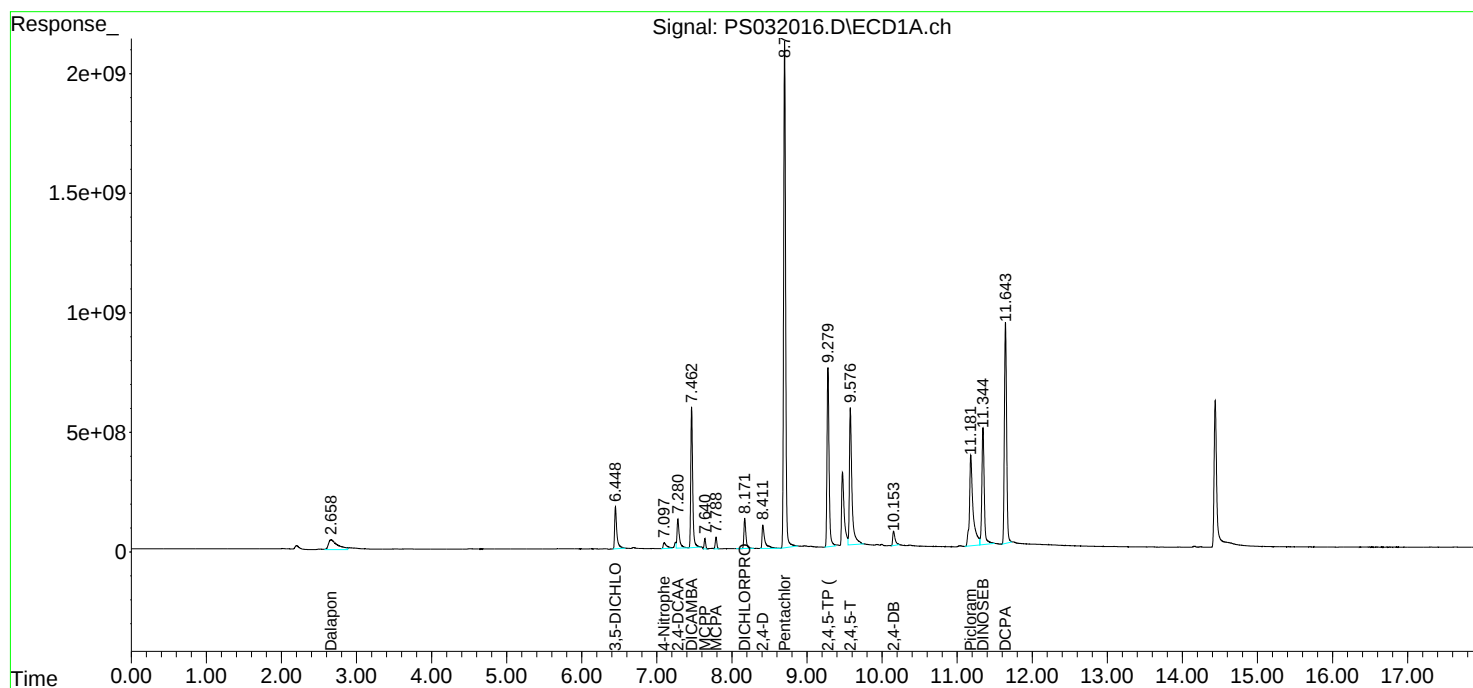
APPROVED

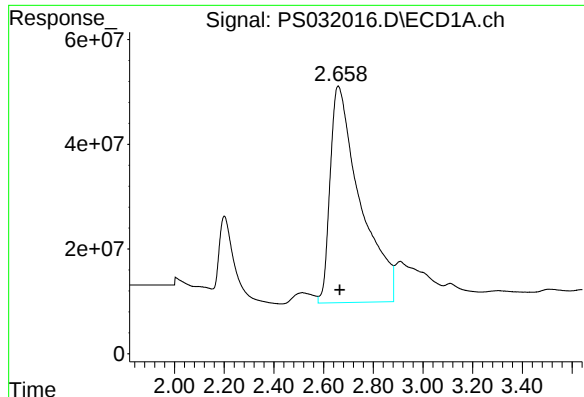
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:24:30 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





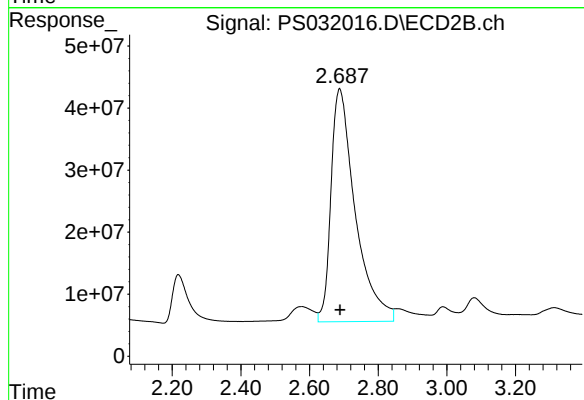
#1 Dalapon

R.T.: 2.659 min
Delta R.T.: -0.006 min
Response: 3463172239
Conc: 448.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170090BS

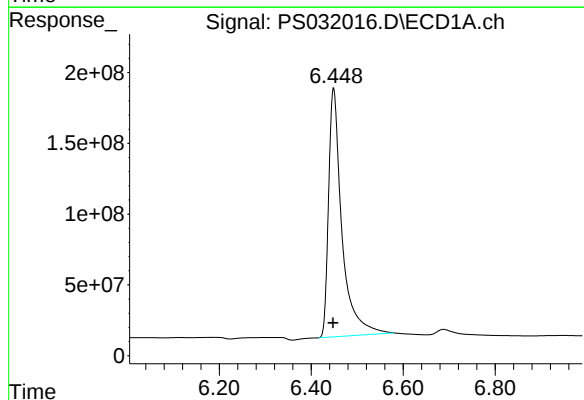
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



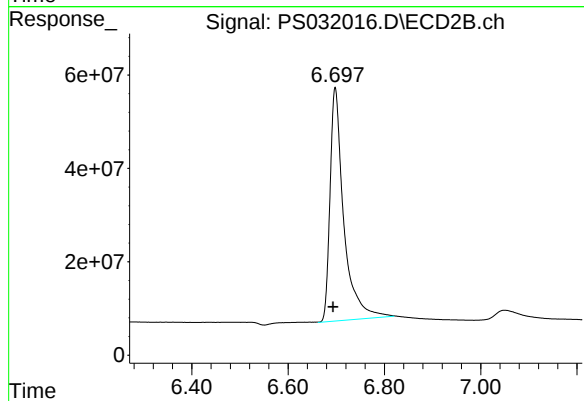
#1 Dalapon

R.T.: 2.687 min
Delta R.T.: -0.002 min
Response: 1841880388
Conc: 490.09 ng/ml



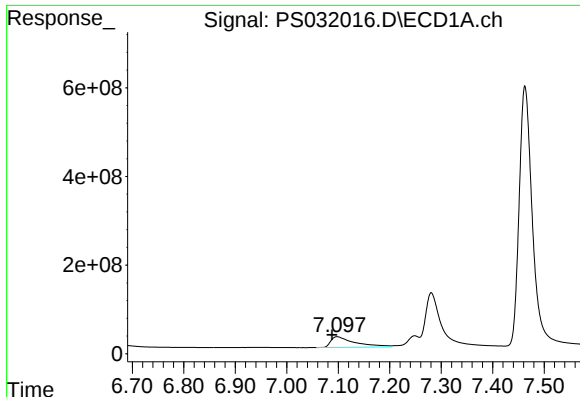
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.449 min
Delta R.T.: 0.001 min
Response: 3536102427
Conc: 502.37 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.697 min
Delta R.T.: 0.004 min
Response: 988028557
Conc: 473.67 ng/ml m



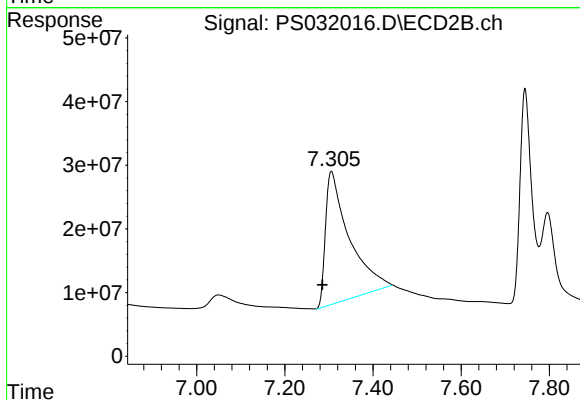
#3 4-Nitrophenol

R.T.: 7.098 min
Delta R.T.: 0.009 min
Response: 786660258
Conc: 589.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170090BS

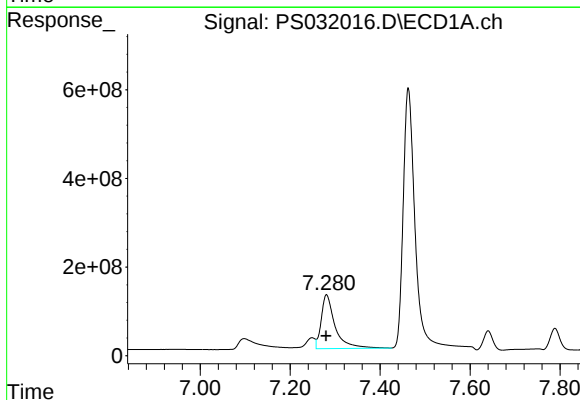
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



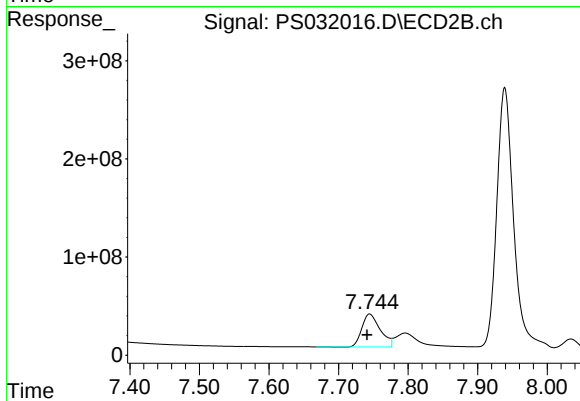
#3 4-Nitrophenol

R.T.: 7.305 min
Delta R.T.: 0.020 min
Response: 778585397
Conc: 513.10 ng/ml m



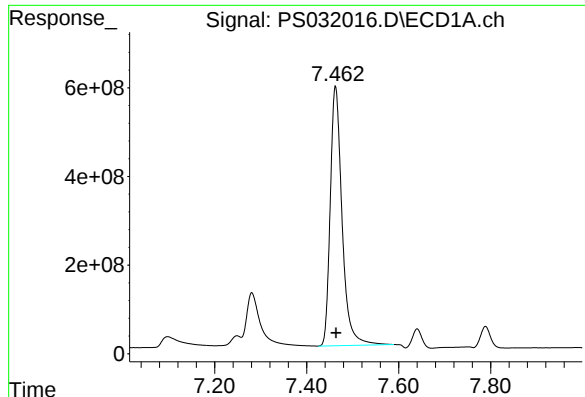
#4 2,4-DCAA

R.T.: 7.281 min
Delta R.T.: 0.001 min
Response: 2591383133
Conc: 543.60 ng/ml



#4 2,4-DCAA

R.T.: 7.745 min
Delta R.T.: 0.004 min
Response: 609447530
Conc: 553.87 ng/ml



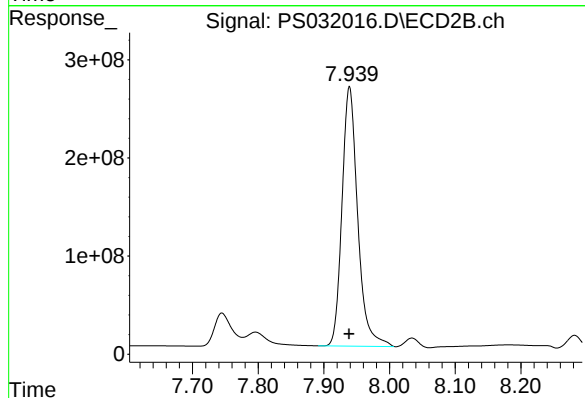
#5 DICAMBA

R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 10430338978
Conc: 498.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170090BS

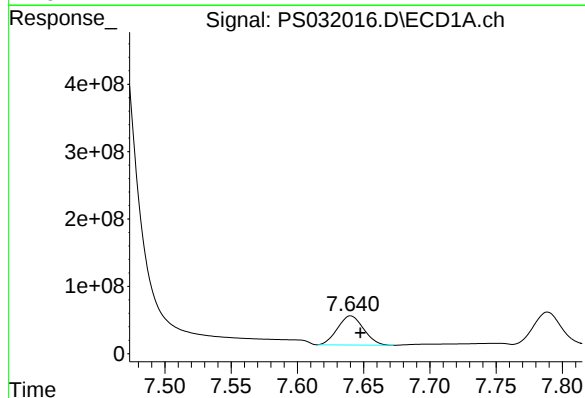
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



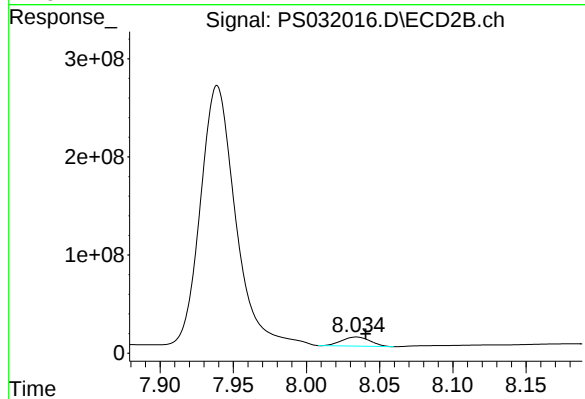
#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 4398542954
Conc: 507.86 ng/ml



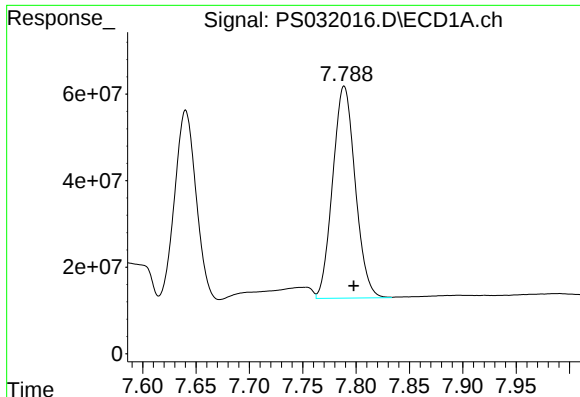
#6 MCPP

R.T.: 7.640 min
Delta R.T.: -0.007 min
Response: 591044012
Conc: 48.33 ug/ml



#6 MCPP

R.T.: 8.034 min
Delta R.T.: -0.006 min
Response: 123780999
Conc: 49.87 ug/ml



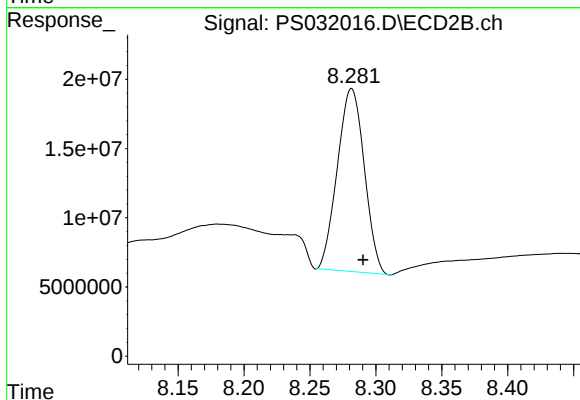
#7 MCPA

R.T.: 7.789 min
Delta R.T.: -0.009 min
Response: 720120811
Conc: 48.93 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB170090BS

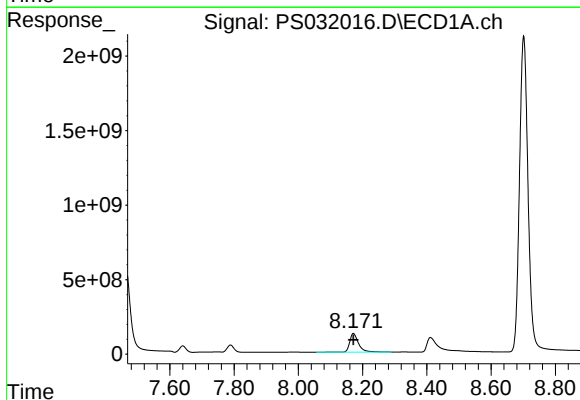
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



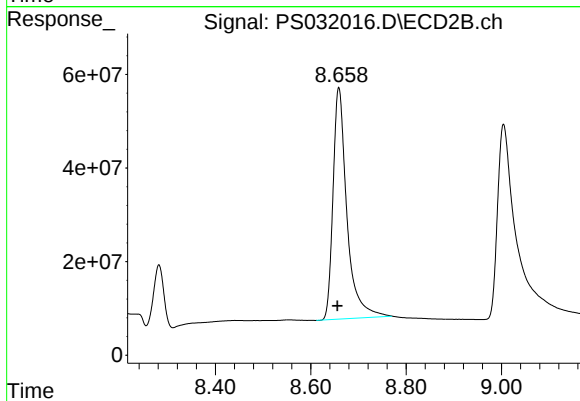
#7 MCPA

R.T.: 8.282 min
Delta R.T.: -0.009 min
Response: 187844471
Conc: 49.80 ug/ml



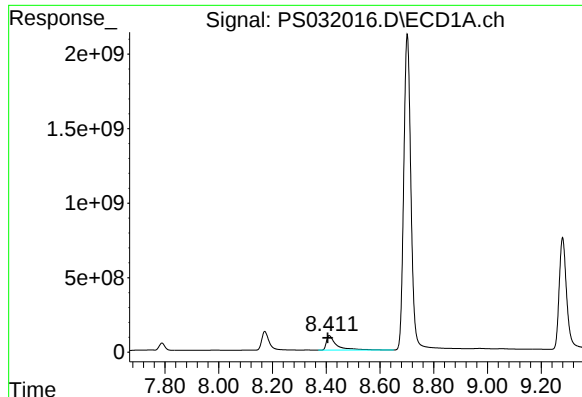
#8 DICHLORPROP

R.T.: 8.171 min
Delta R.T.: 0.000 min
Response: 2358942084
Conc: 496.19 ng/ml



#8 DICHLORPROP

R.T.: 8.659 min
Delta R.T.: 0.003 min
Response: 1000622291
Conc: 510.98 ng/ml



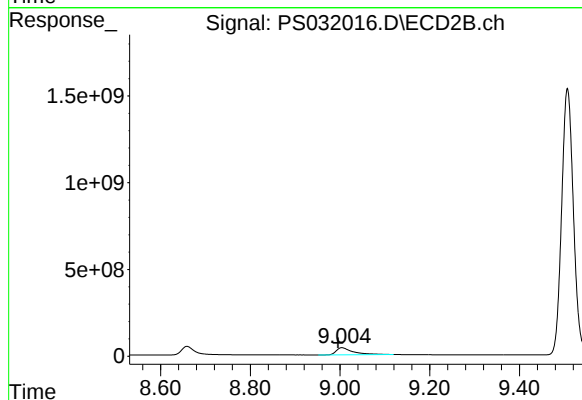
#9 2,4-D

R.T.: 8.411 min
Delta R.T.: 0.005 min
Response: 2551307065
Conc: 525.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170090BS

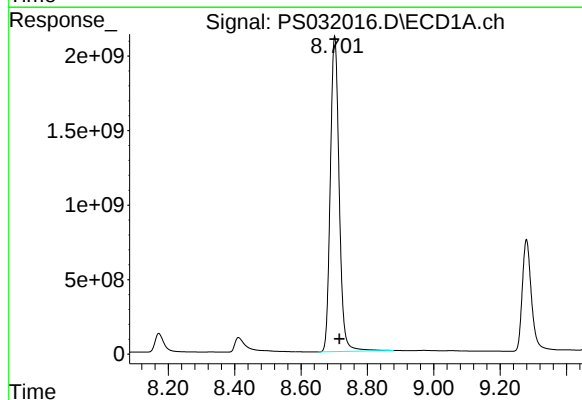
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



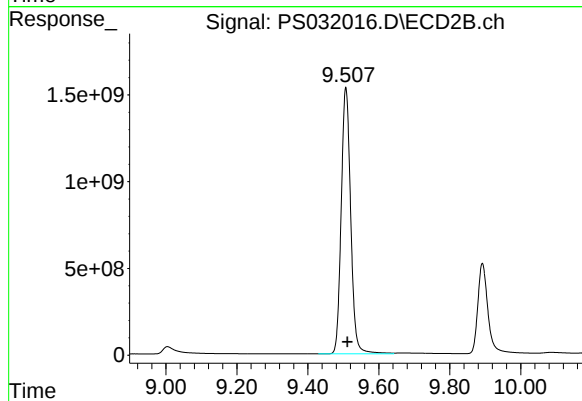
#9 2,4-D

R.T.: 9.004 min
Delta R.T.: 0.009 min
Response: 1067289875
Conc: 513.54 ng/ml



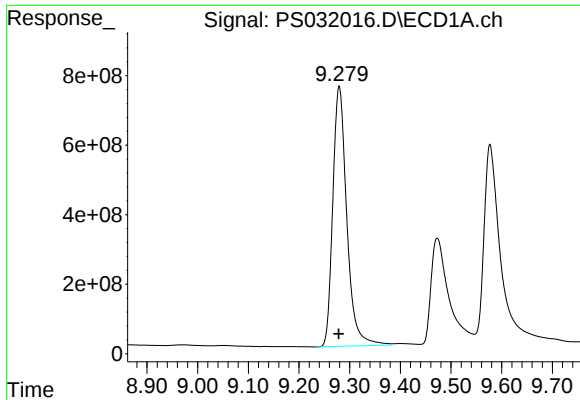
#10 Pentachlorophenol

R.T.: 8.701 min
Delta R.T.: -0.014 min
Response: 39216719099
Conc: 584.28 ng/ml



#10 Pentachlorophenol

R.T.: 9.507 min
Delta R.T.: -0.005 min
Response: 28415278823
Conc: 548.30 ng/ml



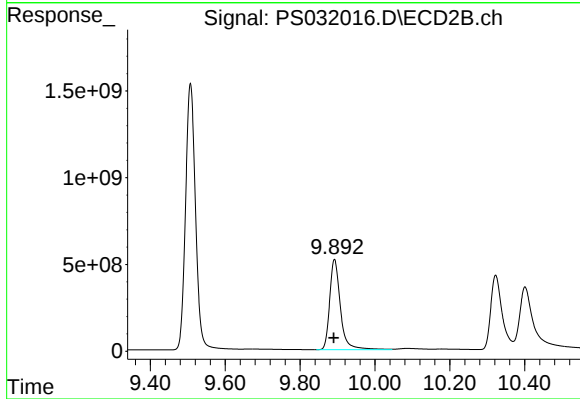
#11 2,4,5-TP (SILVEX)

R.T.: 9.279 min
Delta R.T.: 0.001 min
Response: 14365906530
Conc: 508.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170090BS

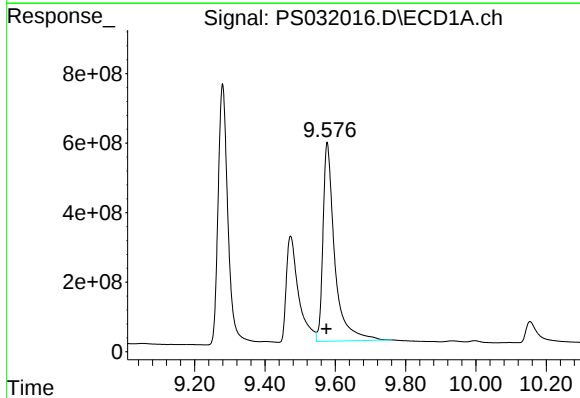
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



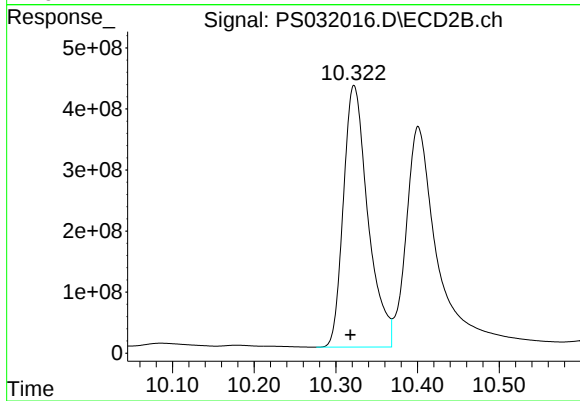
#11 2,4,5-TP (SILVEX)

R.T.: 9.892 min
Delta R.T.: 0.002 min
Response: 10362630178
Conc: 516.20 ng/ml



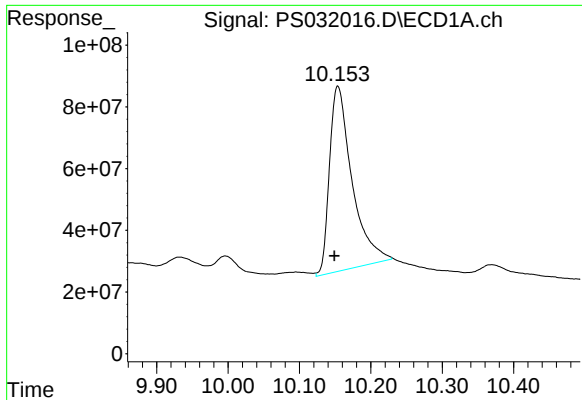
#12 2,4,5-T

R.T.: 9.577 min
Delta R.T.: 0.002 min
Response: 13293070384
Conc: 526.58 ng/ml



#12 2,4,5-T

R.T.: 10.322 min
Delta R.T.: 0.004 min
Response: 8964307126
Conc: 522.86 ng/ml



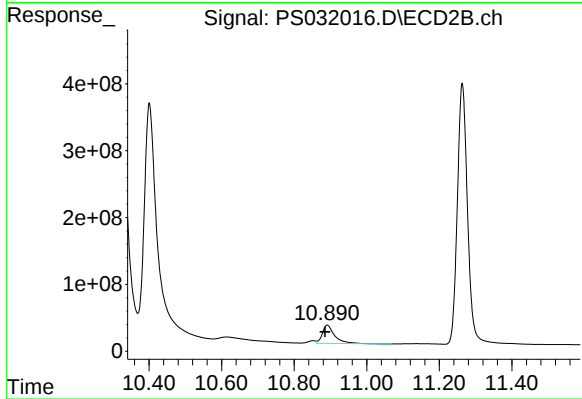
#13 2,4-DB

R.T.: 10.153 min
Delta R.T.: 0.004 min
Response: 1317160335
Conc: 424.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170090BS

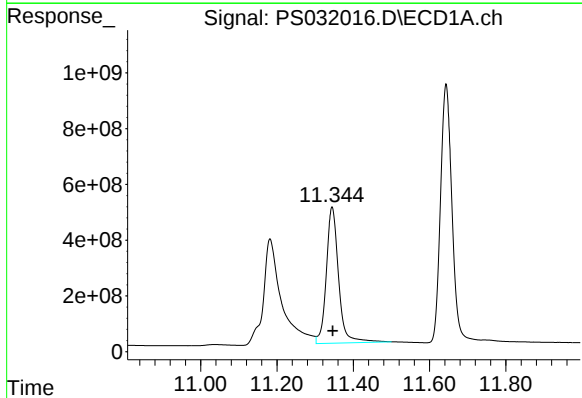
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



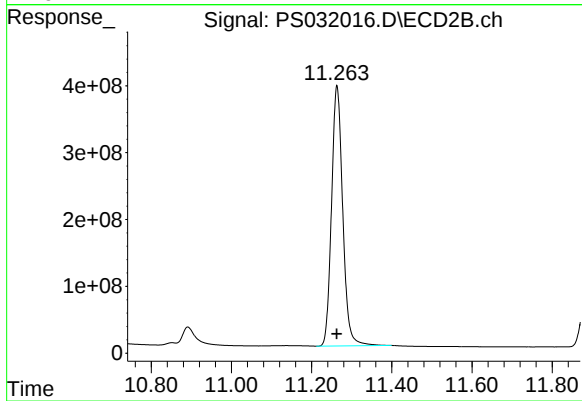
#13 2,4-DB

R.T.: 10.891 min
Delta R.T.: 0.006 min
Response: 640996647
Conc: 496.09 ng/ml



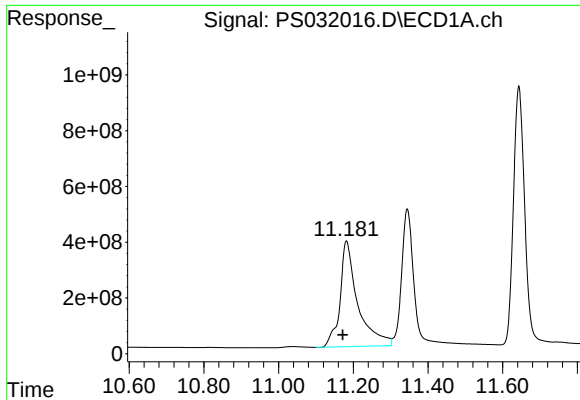
#14 DINOSEB

R.T.: 11.345 min
Delta R.T.: -0.001 min
Response: 10931844615
Conc: 490.20 ng/ml



#14 DINOSEB

R.T.: 11.263 min
Delta R.T.: 0.000 min
Response: 7548982588
Conc: 496.54 ng/ml



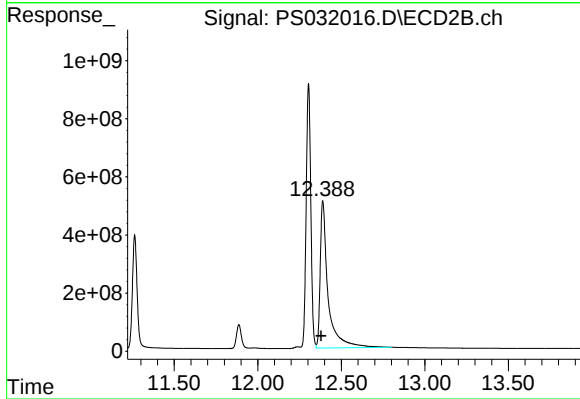
#15 Picloram

R.T.: 11.182 min
Delta R.T.: 0.010 min
Response: 12549147138
Conc: 532.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB170090BS

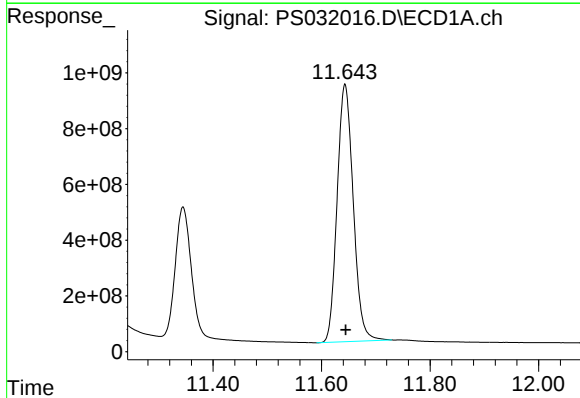
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



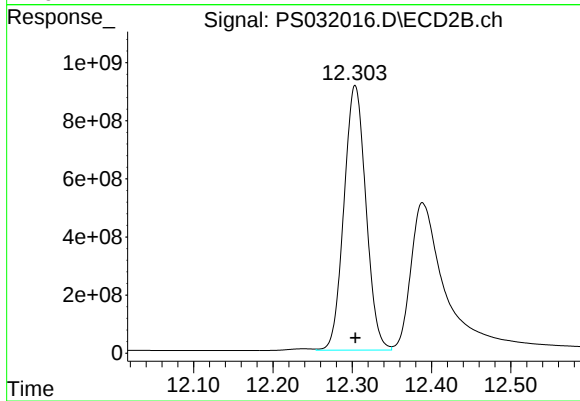
#15 Picloram

R.T.: 12.389 min
Delta R.T.: 0.010 min
Response: 16569986618
Conc: 497.72 ng/ml



#16 DCPA

R.T.: 11.643 min
Delta R.T.: -0.001 min
Response: 19040107463
Conc: 518.24 ng/ml



#16 DCPA

R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 17549347607
Conc: 528.41 ng/ml

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/08/25	
Project: RFP 918	Date Received: 10/09/25	
Client Sample ID: P001-DS-01MS	SDG No.: Q3321	
Lab Sample ID: Q3321-02MS	Matrix: TCLP	
Analytical Method: 8151A	% Solid: 0	
Sample Wt/Vol: 100 mL	Test: TCLP Herbicide	Final Vol: 10000 uL
Prep Method: SW3510C		Prep Date 10/14/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	17.5	J	1	9.20	20.0	ug/L	10/14/25 23:57	PB170090
93-72-1	2,4,5-TP (Silvex)	24.8		1	7.80	20.0	ug/L	10/14/25 23:57	PB170090
SURROGATES									
19719-28-9	2,4-DCAA	361			61 - 136	72%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
 Data File : PS032019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 23:57
 Operator : AR\AJ
 Sample : Q3321-02MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 P001-DS-01MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/15/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 03:25:11 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	7.787f	847.6E6	397.5E6	177.810	361.267 #
Target Compounds							
1) T	Dalapon	2.651	2.656f	4453.6E6	3389.1E6	576.325	901.770 #
5) T	DICAMBA	7.463	7.938	3953.6E6	1475.3E6	188.784	170.335m
7) T	MCPA	7.843f	8.341f	1133.0E6	1248.6E6	76.993m	330.990m#
8) T	DICHLORPROP	8.172	8.682f	416.5E6	43268264	87.600m	22.095m#
9) T	2,4-D	8.412	8.972	847.8E6	50636864	174.585	24.365m#
10) T	Pentachlo...	8.701	9.507	11694.1E6	8056.2E6	174.228	155.453m
11) T	2,4,5-TP ...	9.280	9.890	7015.3E6	4290.7E6	248.399	213.736m
12) T	2,4,5-T	9.577	10.323	5524.9E6	3841.7E6	218.858m	224.073m
13) T	2,4-DB	10.153	10.877	251.9E6	168.3E6	81.262m	130.266m#
14) T	DINOSEB	11.346	11.265	1839.0E6	1039.7E6	82.464	68.389
15) T	Picloram	11.185	12.391	5265.7E6	8249.7E6	223.331m	247.800
16) T	DCPA	11.643	12.305	8285.9E6	8398.1E6	225.527	252.865

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
Data File : PS032019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 23:57
Operator : AR\AJ
Sample : Q3321-02MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

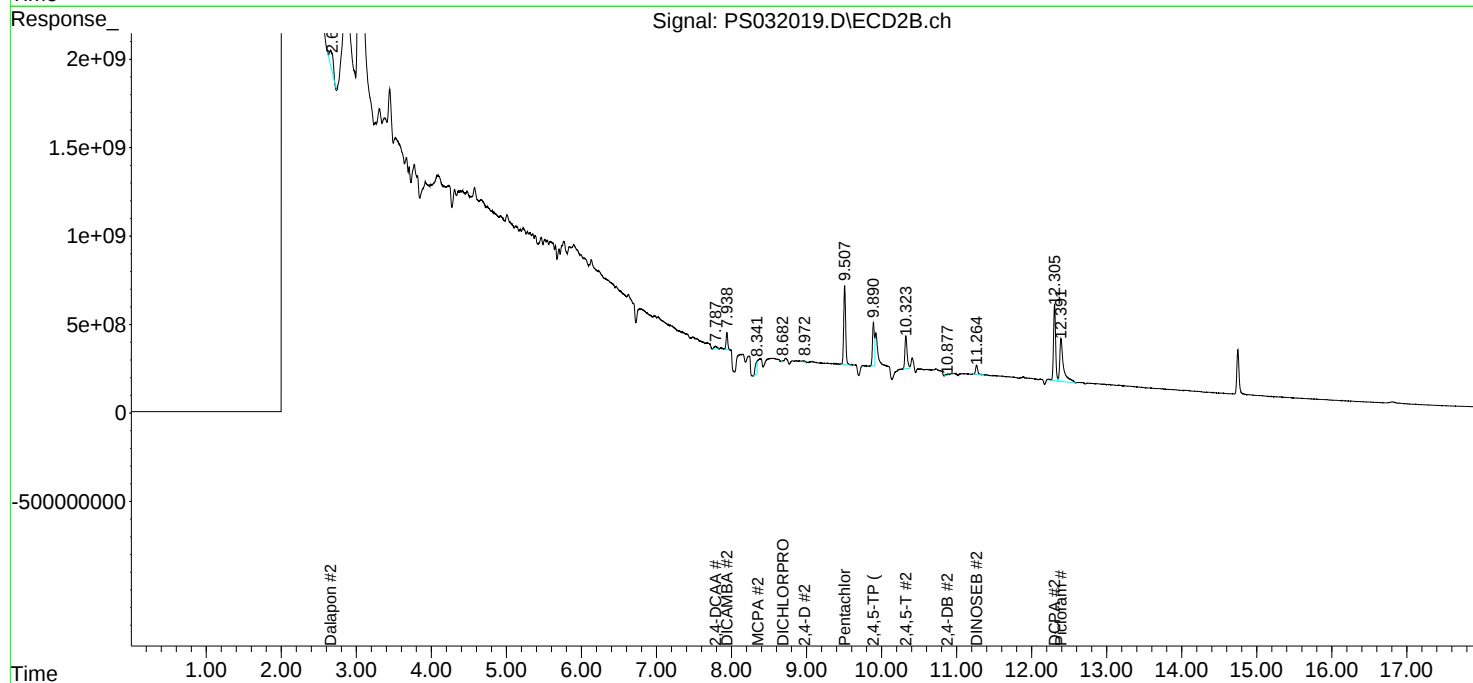
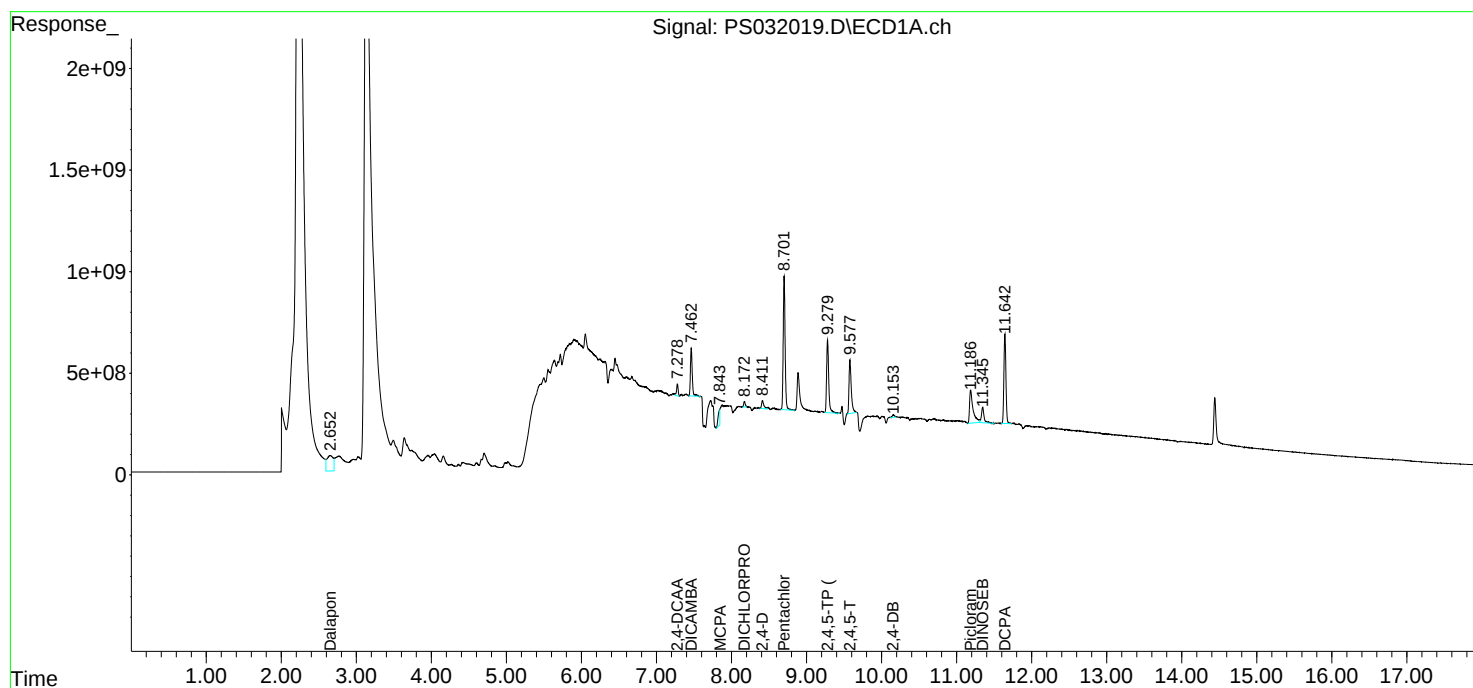
Instrument :
ECD_S
ClientSampleId :
P001-DS-01MS

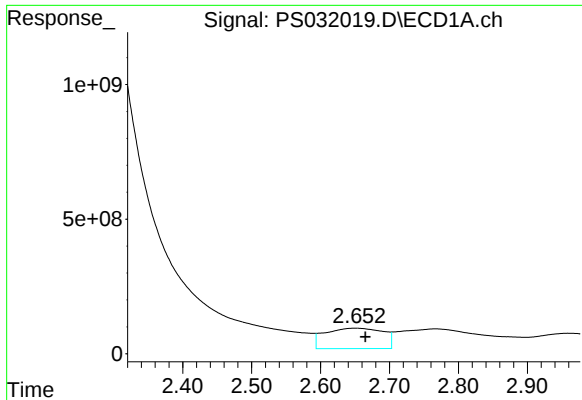
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/15/2025
Supervised By : mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:25:11 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





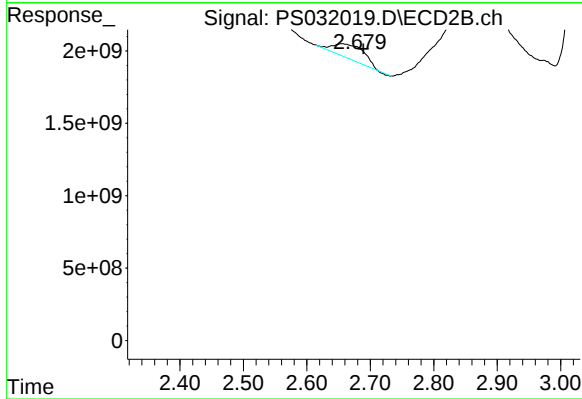
#1 Dalapon

R.T.: 2.651 min
Delta R.T.: -0.014 min
Response: 4453566602
Conc: 576.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MS

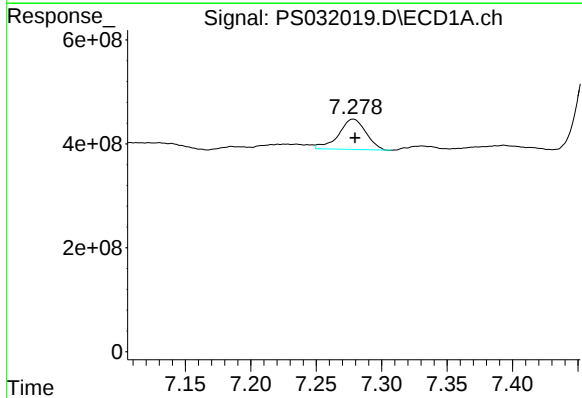
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



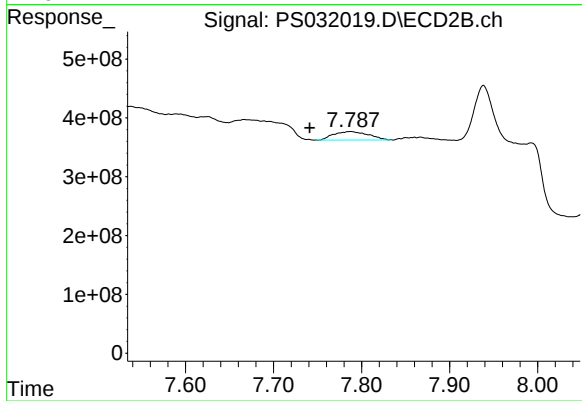
#1 Dalapon

R.T.: 2.656 min
Delta R.T.: -0.034 min
Response: 3389095487
Conc: 901.77 ng/ml



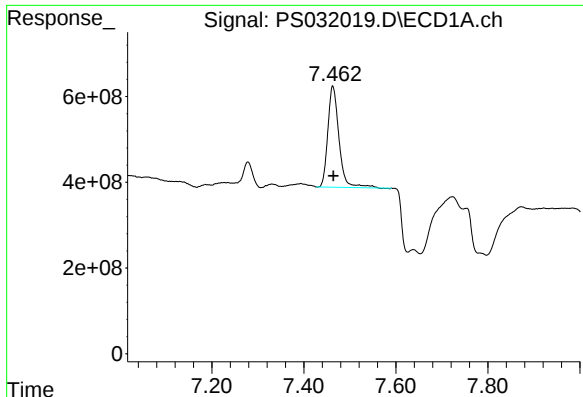
#4 2,4-DCAA

R.T.: 7.278 min
Delta R.T.: -0.001 min
Response: 847625458
Conc: 177.81 ng/ml



#4 2,4-DCAA

R.T.: 7.787 min
Delta R.T.: 0.046 min
Response: 397516220
Conc: 361.27 ng/ml



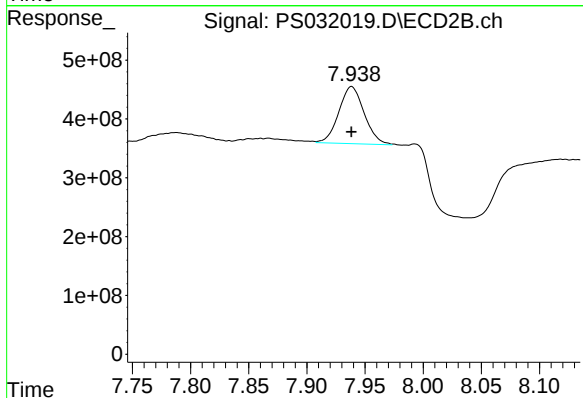
#5 DICAMBA

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 3953592396
Conc: 188.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MS

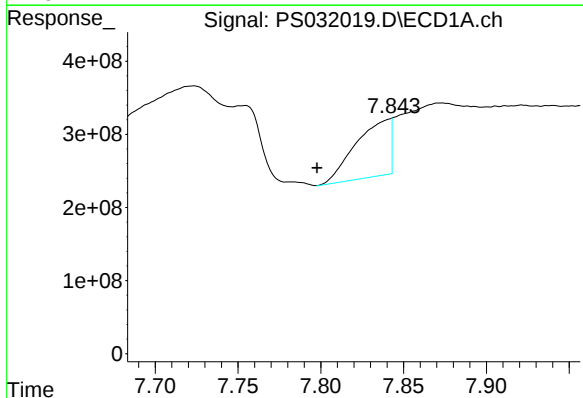
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



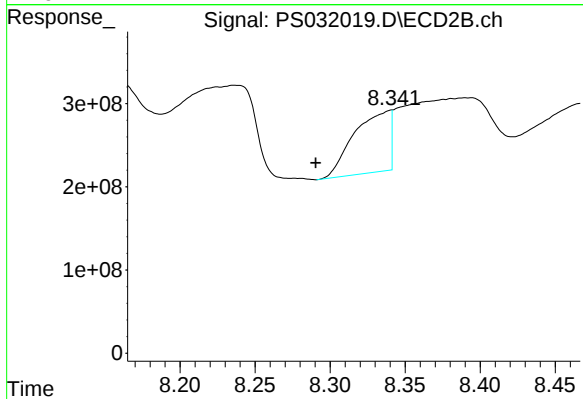
#5 DICAMBA

R.T.: 7.938 min
Delta R.T.: 0.000 min
Response: 1475250143
Conc: 170.33 ng/ml m



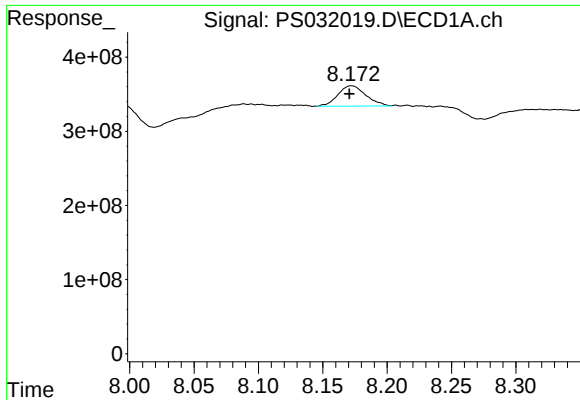
#7 MCPA

R.T.: 7.843 min
Delta R.T.: 0.045 min
Response: 1133041163
Conc: 76.99 ug/ml m



#7 MCPA

R.T.: 8.341 min
Delta R.T.: 0.050 min
Response: 1248611903
Conc: 330.99 ug/ml m



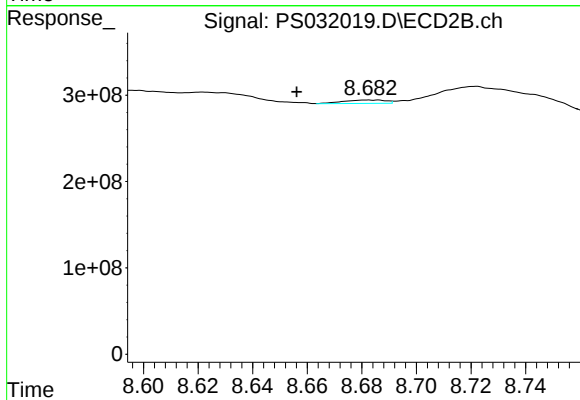
#8 DICHLORPROP

R.T.: 8.172 min
Delta R.T.: 0.000 min
Response: 416461621
Conc: 87.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MS

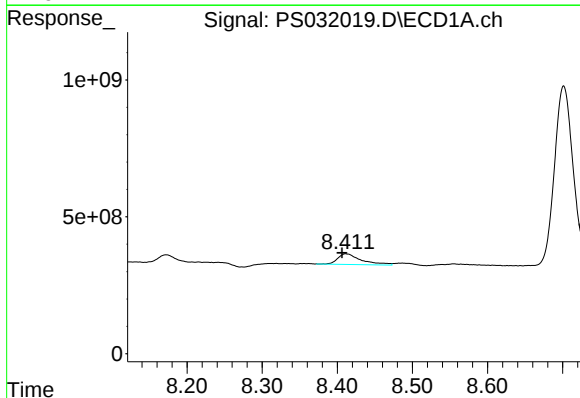
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



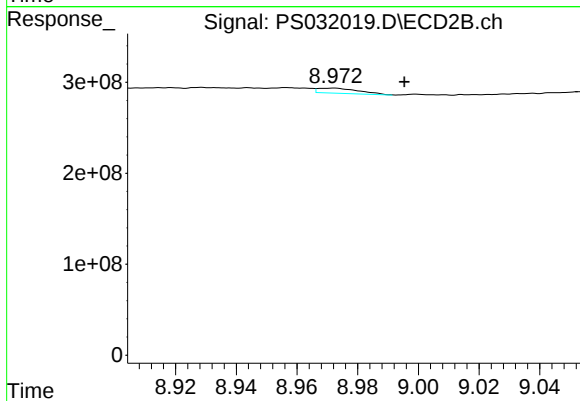
#8 DICHLORPROP

R.T.: 8.682 min
Delta R.T.: 0.026 min
Response: 43268264
Conc: 22.10 ng/ml m



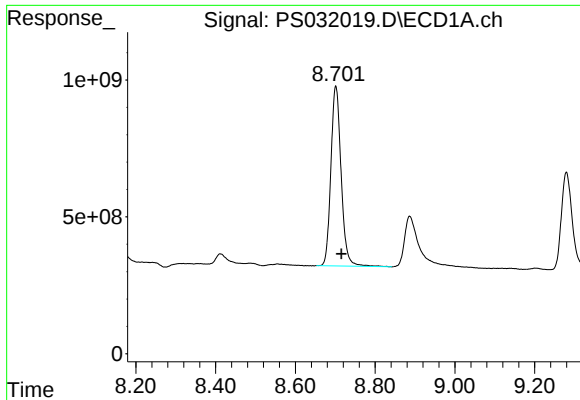
#9 2,4-D

R.T.: 8.412 min
Delta R.T.: 0.006 min
Response: 847763521
Conc: 174.59 ng/ml



#9 2,4-D

R.T.: 8.972 min
Delta R.T.: -0.024 min
Response: 50636864
Conc: 24.36 ng/ml m



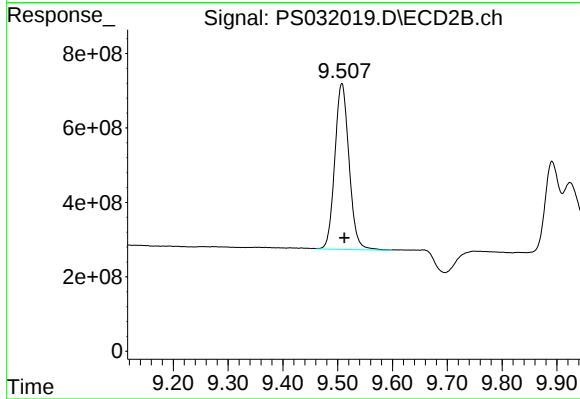
#10 Pentachlorophenol

R.T.: 8.701 min
Delta R.T.: -0.014 min
Response: 11694120227
Conc: 174.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MS

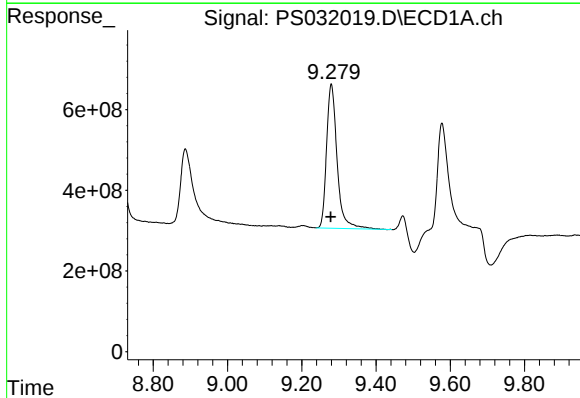
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



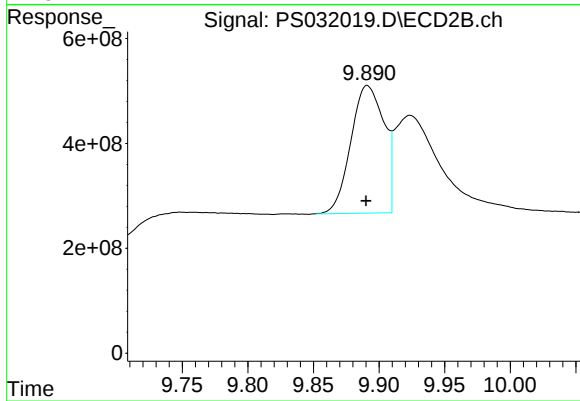
#10 Pentachlorophenol

R.T.: 9.507 min
Delta R.T.: -0.005 min
Response: 8056175281
Conc: 155.45 ng/ml m



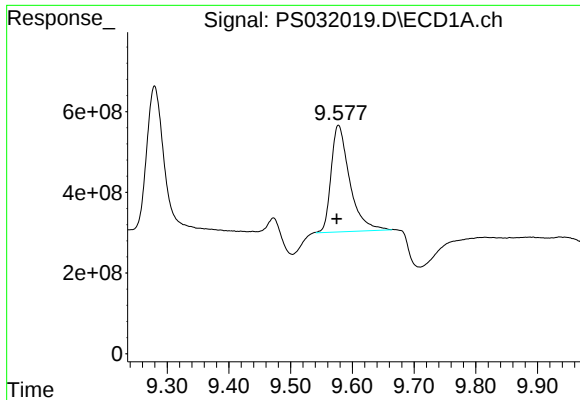
#11 2,4,5-TP (SILVEX)

R.T.: 9.280 min
Delta R.T.: 0.002 min
Response: 7015283365
Conc: 248.40 ng/ml



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

R.T.: 9.890 min
Delta R.T.: 0.000 min
Response: 4290721847
Conc: 213.74 ng/ml m



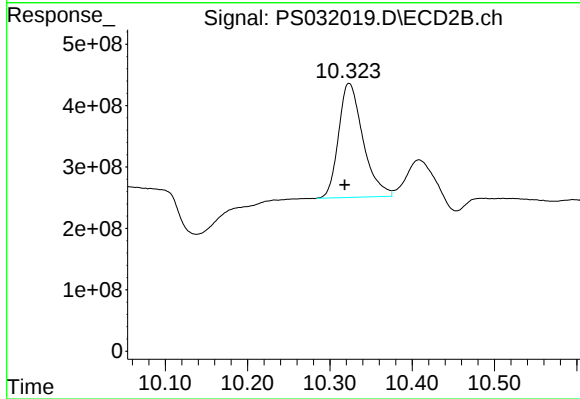
#12 2,4,5-T

R.T.: 9.577 min
Delta R.T.: 0.003 min
Response: 5524909282
Conc: 218.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MS

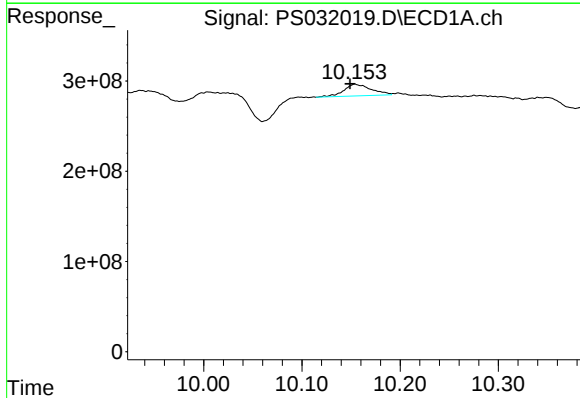
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



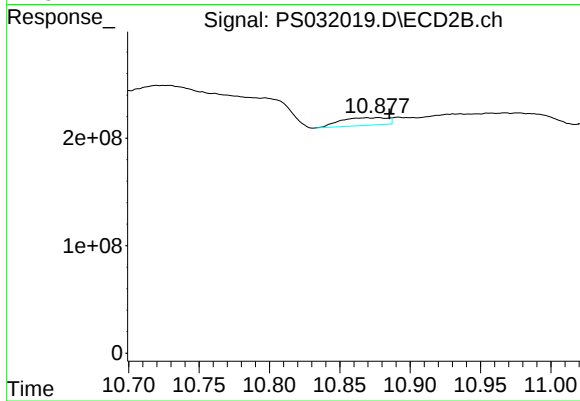
#12 2,4,5-T

R.T.: 10.323 min
Delta R.T.: 0.005 min
Response: 3841665712
Conc: 224.07 ng/ml m



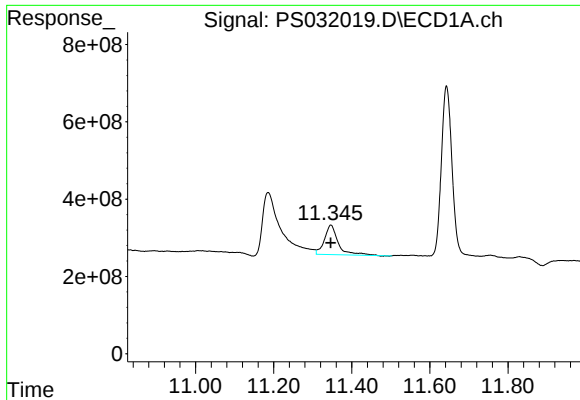
#13 2,4-DB

R.T.: 10.153 min
Delta R.T.: 0.004 min
Response: 251936738
Conc: 81.26 ng/ml m



#13 2,4-DB

R.T.: 10.877 min
Delta R.T.: -0.009 min
Response: 168315946
Conc: 130.27 ng/ml m



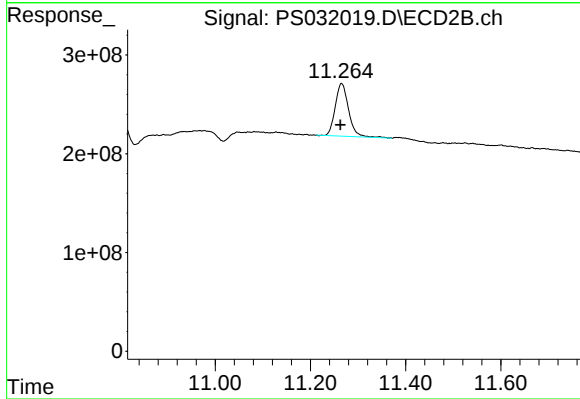
#14 DINOSEB

R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 1839015483
Conc: 82.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MS

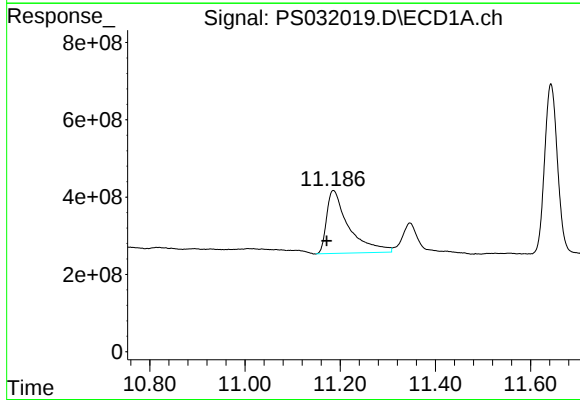
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



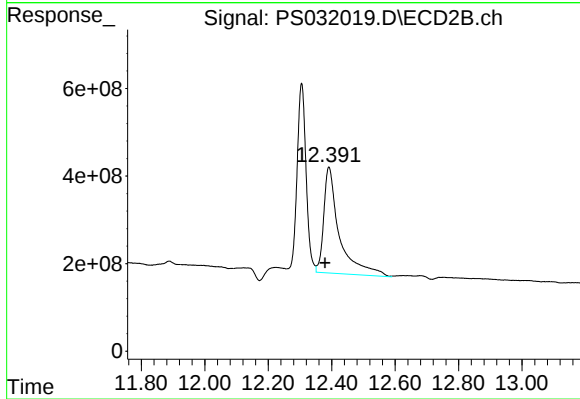
#14 DINOSEB

R.T.: 11.265 min
Delta R.T.: 0.003 min
Response: 1039727944
Conc: 68.39 ng/ml



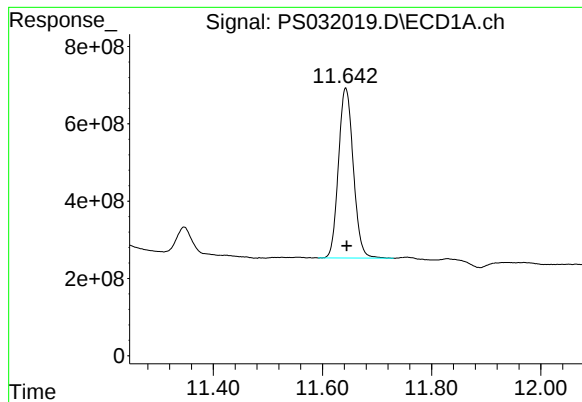
#15 Picloram

R.T.: 11.185 min
Delta R.T.: 0.014 min
Response: 5265669289
Conc: 223.33 ng/ml m



#15 Picloram

R.T.: 12.391 min
Delta R.T.: 0.012 min
Response: 8249748284
Conc: 247.80 ng/ml



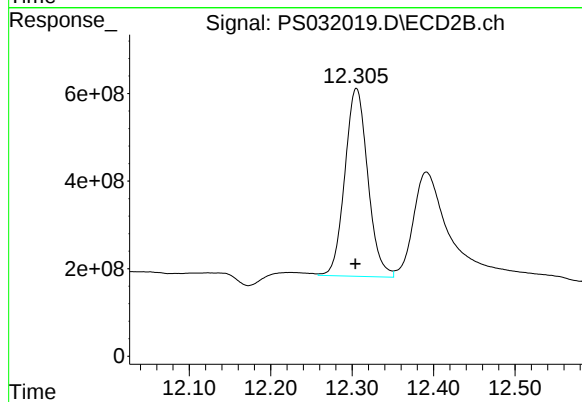
#16 DCPA

R.T.: 11.643 min
Delta R.T.: -0.002 min
Response: 8285911333
Conc: 225.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



#16 DCPA

R.T.: 12.305 min
Delta R.T.: 0.001 min
Response: 8398074691
Conc: 252.87 ng/ml



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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/08/25
Project:	RFP 918		Date Received:	10/09/25
Client Sample ID:	P001-DS-01MSD		SDG No.:	Q3321
Lab Sample ID:	Q3321-02MSD		Matrix:	TCLP
Analytical Method:	8151A		% Solid:	0
Sample Wt/Vol:	100 mL	Final Vol:	10000 uL	Test:
Prep Method:	SW3510C	Prep Date	10/14/25	TCLP Herbicide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
94-75-7	2,4-D	15.8	J	1	9.20	20.0	ug/L	10/15/25 00:21	PB170090
93-72-1	2,4,5-TP (Silvex)	25.5		1	7.80	20.0	ug/L	10/15/25 00:21	PB170090
SURROGATES									
19719-28-9	2,4-DCAA	350			61 - 136	70%	SPK: 500		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
 Data File : PS032020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 00:21
 Operator : AR\AJ
 Sample : Q3321-02MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 P001-DS-01MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/15/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 03:25:22 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	7.279	7.783f	869.5E6	385.5E6	182.396	350.380 #
Target Compounds							
1) T	Dalapon	2.651	2.655f	3945.9E6	1310.8E6	510.625	348.771 #
3) T	4-Nitroph...	7.132f	7.314f	157.0E6	-81302609	117.653	N.D. #
5) T	DICAMBA	7.464	7.939	3943.3E6	1569.0E6	188.291	181.162m
7) T	MCPA	7.754f	0.000	1277.2E6	0	86.787	N.D. #
8) T	DICHLORPROP	8.173	8.684f	413.7E6	115.3E6	87.026m	58.896 #
9) T	2,4-D	8.413	8.968f	767.5E6	-16575971	158.055	N.D. #
10) T	Pentachlo...	8.702	9.506	12370.0E6	8437.9E6	184.298	162.818m
11) T	2,4,5-TP ...	9.280	9.892	7189.3E6	4341.4E6	254.559	216.261m
12) T	2,4,5-T	9.578	10.323	5504.0E6	3913.8E6	218.029m	228.279m
13) T	2,4-DB	10.154	10.897	453.2E6	12865018	146.174m	9.957 #
14) T	DINOSEB	11.346	11.265	1891.2E6	1082.0E6	84.806	71.168
15) T	Picloram	11.186	12.391	4981.0E6	8196.8E6	211.259m	246.210
16) T	DCPA	11.643	12.305	8247.3E6	8443.5E6	224.475	254.232

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS101425\
Data File : PS032020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 00:21
Operator : AR\AJ
Sample : Q3321-02MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

P001-DS-01MSD

Manual Integrations

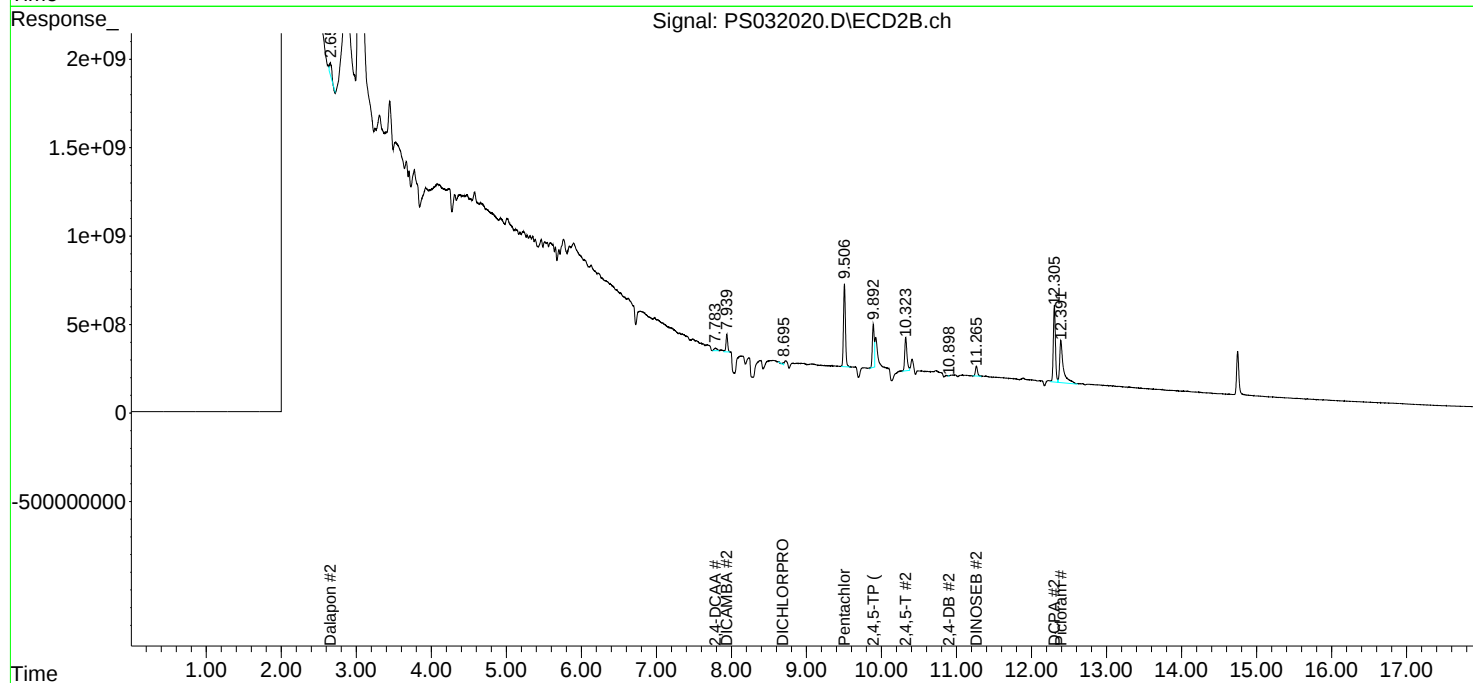
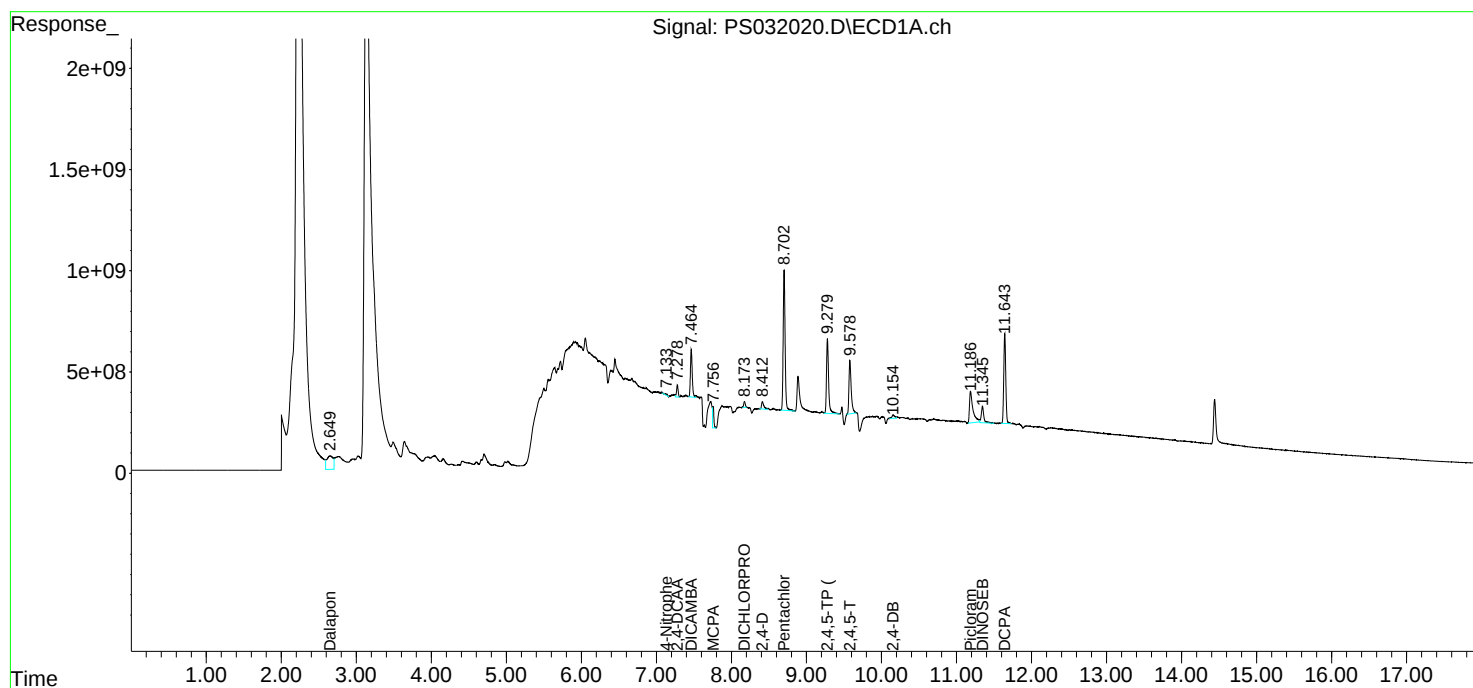
APPROVED

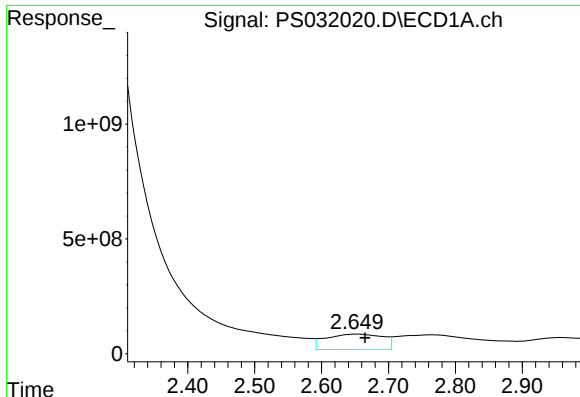
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 03:25:22 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





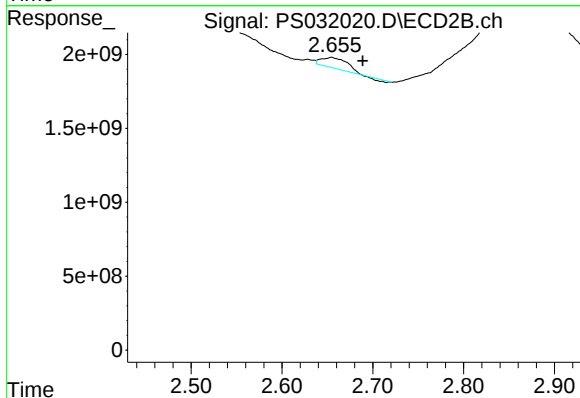
#1 Dalapon

R.T.: 2.651 min
Delta R.T.: -0.014 min
Response: 3945866573
Conc: 510.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MSD

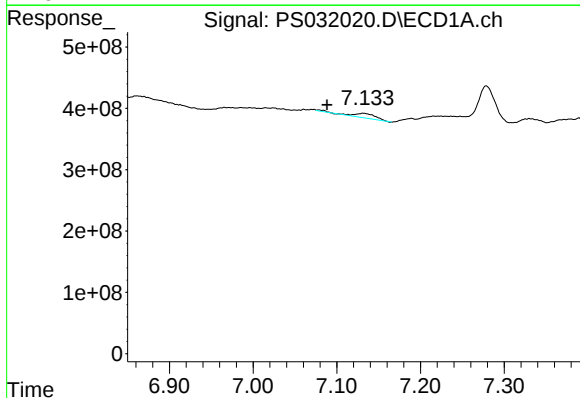
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



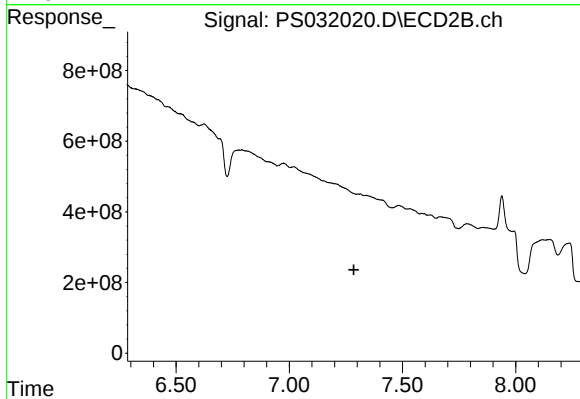
#1 Dalapon

R.T.: 2.655 min
Delta R.T.: -0.034 min
Response: 1310773962
Conc: 348.77 ng/ml



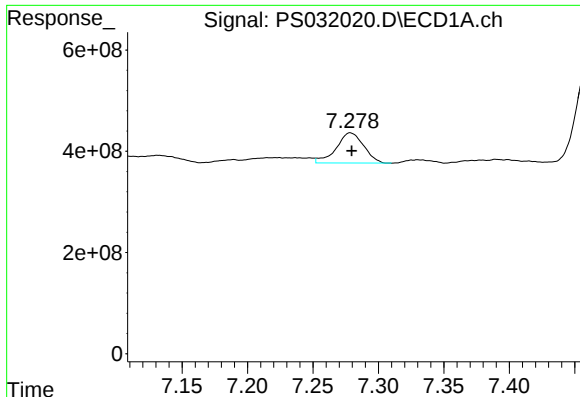
#3 4-Nitrophenol

R.T.: 7.132 min
Delta R.T.: 0.043 min
Response: 157029040
Conc: 117.65 ng/ml



#3 4-Nitrophenol

R.T.: 7.314 min
Delta R.T.: 0.028 min
Response: -81302609
Conc: N.D.



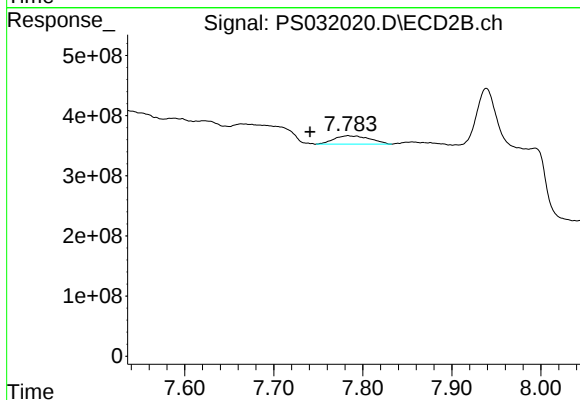
#4 2,4-DCAA

R.T.: 7.279 min
Delta R.T.: 0.000 min
Response: 869487537
Conc: 182.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MSD

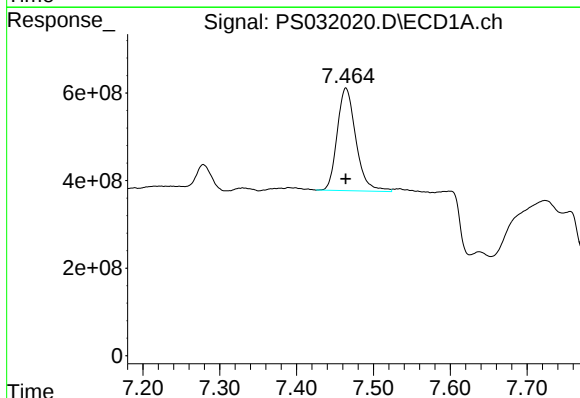
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



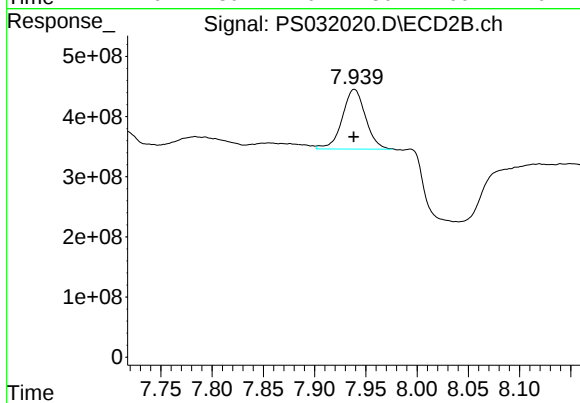
#4 2,4-DCAA

R.T.: 7.783 min
Delta R.T.: 0.042 min
Response: 385537579
Conc: 350.38 ng/ml



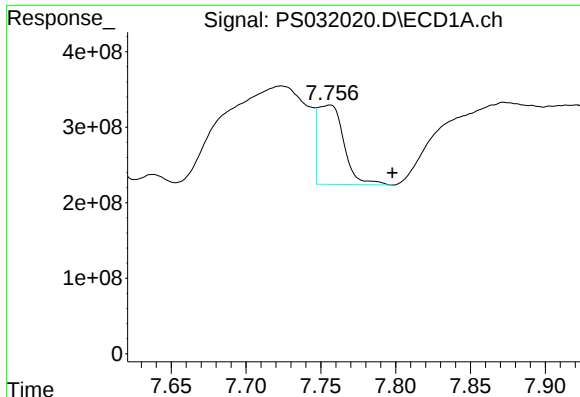
#5 DICAMBA

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 3943259534
Conc: 188.29 ng/ml



#5 DICAMBA

R.T.: 7.939 min
Delta R.T.: 0.000 min
Response: 1569025794
Conc: 181.16 ng/ml m



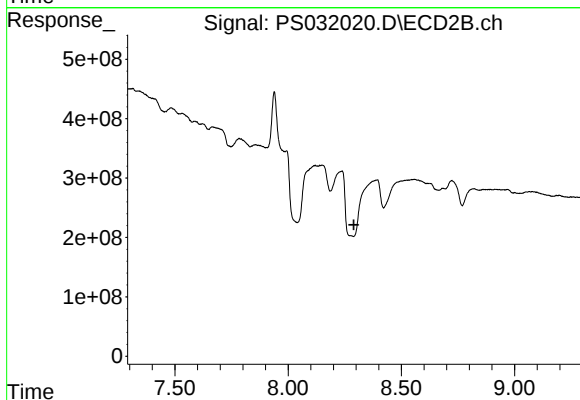
#7 MCPA

R.T.: 7.754 min
Delta R.T.: -0.044 min
Response: 1277181902
Conc: 86.79 ug/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MSD

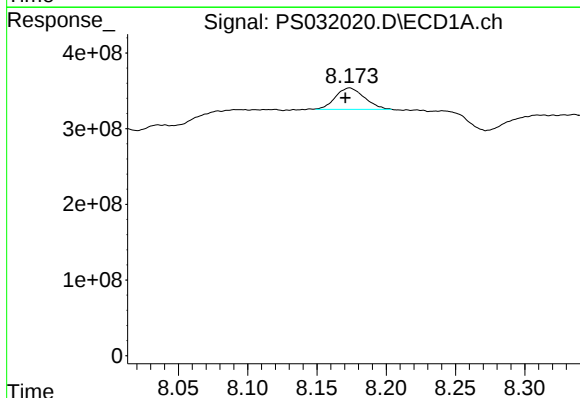
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



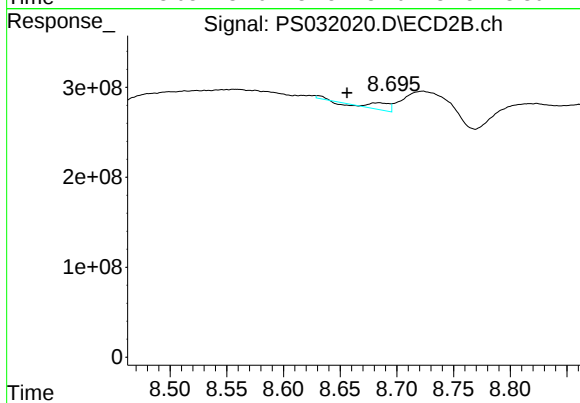
#7 MCPA

R.T.: 0.000 min
Exp R.T. : 8.290 min
Response: 0
Conc: N.D.



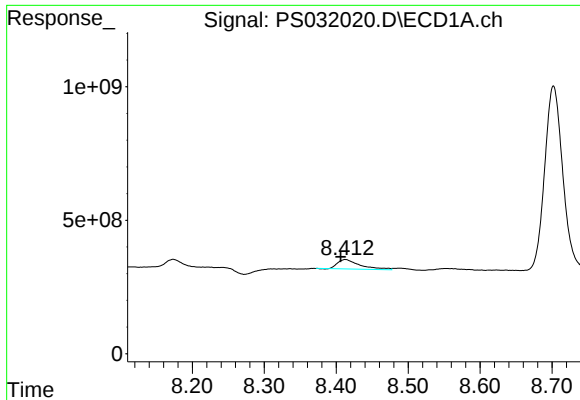
#8 DICHLORPROP

R.T.: 8.173 min
Delta R.T.: 0.002 min
Response: 413733853
Conc: 87.03 ng/ml m



#8 DICHLORPROP

R.T.: 8.684 min
Delta R.T.: 0.027 min
Response: 115333696
Conc: 58.90 ng/ml



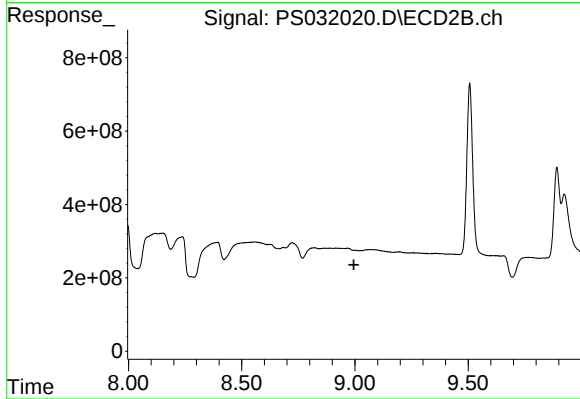
#9 2,4-D

R.T.: 8.413 min
Delta R.T.: 0.006 min
Response: 767495741
Conc: 158.06 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MSD

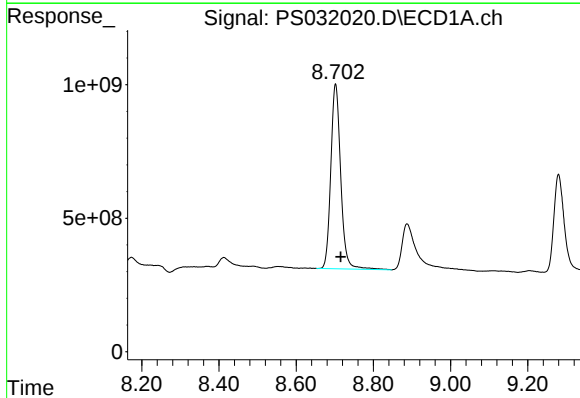
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



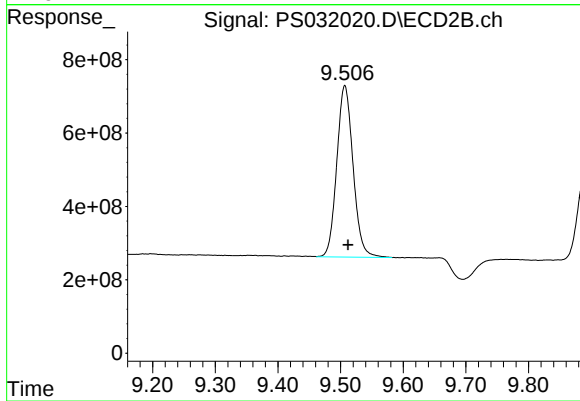
#9 2,4-D

R.T.: 8.968 min
Delta R.T.: -0.027 min
Response: -16575971
Conc: N.D.



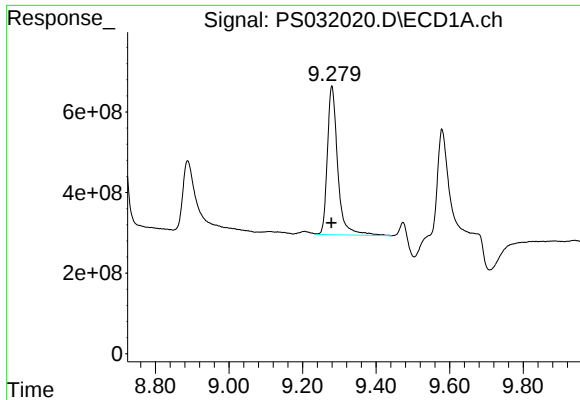
#10 Pentachlorophenol

R.T.: 8.702 min
Delta R.T.: -0.013 min
Response: 12369967124
Conc: 184.30 ng/ml



#10 Pentachlorophenol

R.T.: 9.506 min
Delta R.T.: -0.006 min
Response: 8437857057
Conc: 162.82 ng/ml m



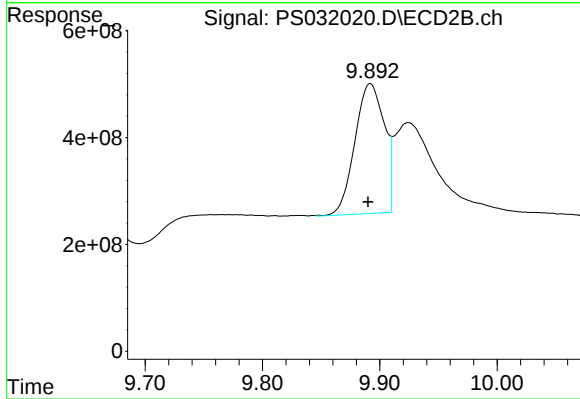
#11 2,4,5-TP (SILVEX)

R.T.: 9.280 min
Delta R.T.: 0.002 min
Response: 7189272529
Conc: 254.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MSD

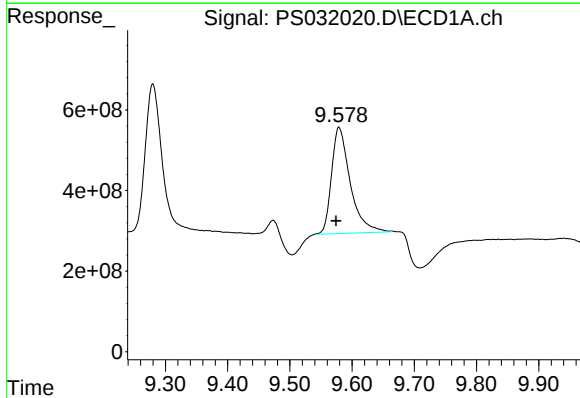
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



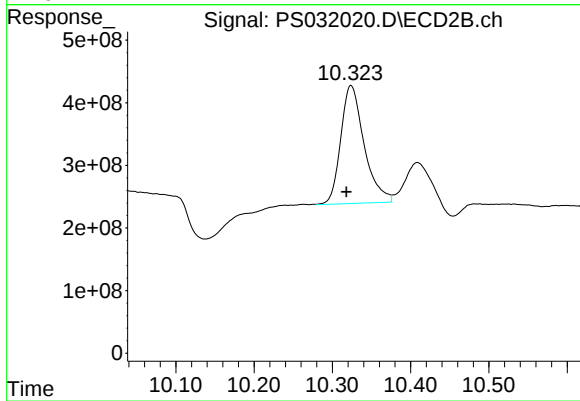
#11 2,4,5-TP (SILVEX)

R.T.: 9.892 min
Delta R.T.: 0.001 min
Response: 4341414774
Conc: 216.26 ng/ml m



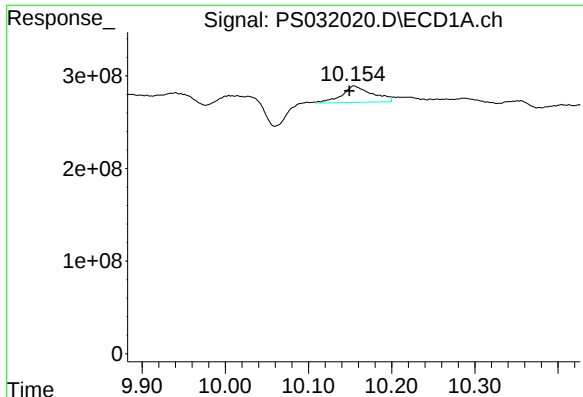
#12 2,4,5-T

R.T.: 9.578 min
Delta R.T.: 0.004 min
Response: 5503972098
Conc: 218.03 ng/ml m



#12 2,4,5-T

R.T.: 10.323 min
Delta R.T.: 0.005 min
Response: 3913760814
Conc: 228.28 ng/ml m



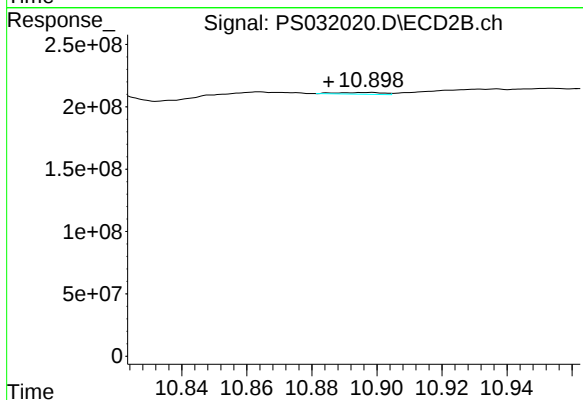
#13 2,4-DB

R.T.: 10.154 min
Delta R.T.: 0.005 min
Response: 453185787
Conc: 146.17 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MSD

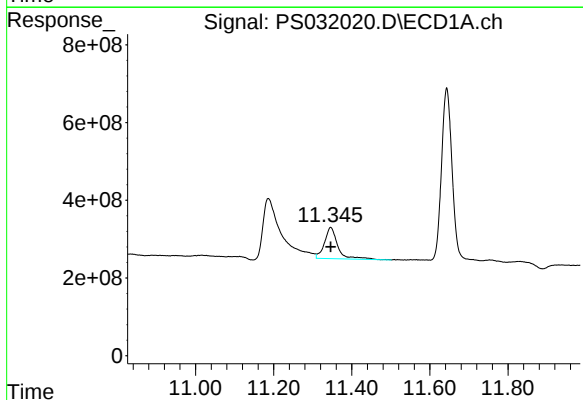
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



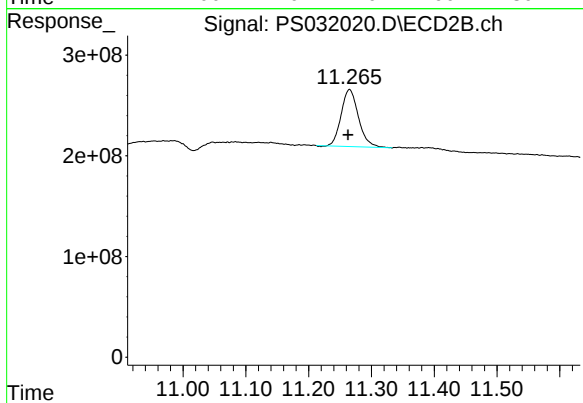
#13 2,4-DB

R.T.: 10.897 min
Delta R.T.: 0.012 min
Response: 12865018
Conc: 9.96 ng/ml



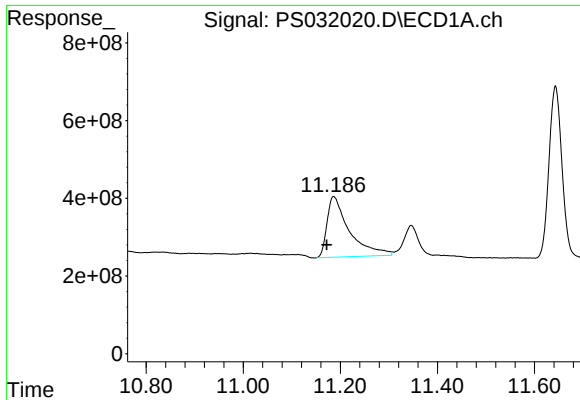
#14 DINOSEB

R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 1891245464
Conc: 84.81 ng/ml



#14 DINOSEB

R.T.: 11.265 min
Delta R.T.: 0.002 min
Response: 1081971343
Conc: 71.17 ng/ml



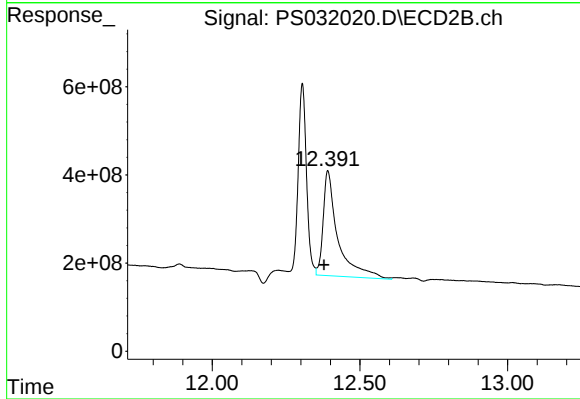
#15 Picloram

R.T.: 11.186 min
Delta R.T.: 0.014 min
Response: 4981033312
Conc: 211.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
P001-DS-01MSD

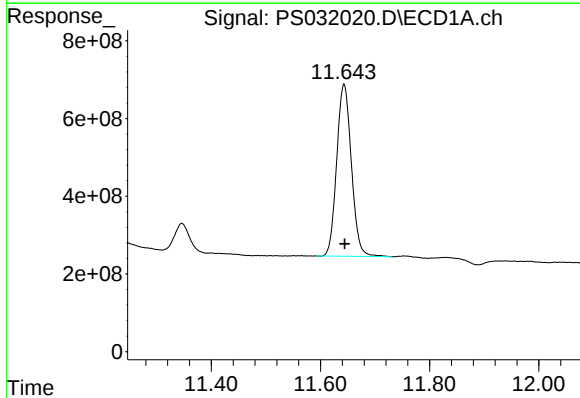
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



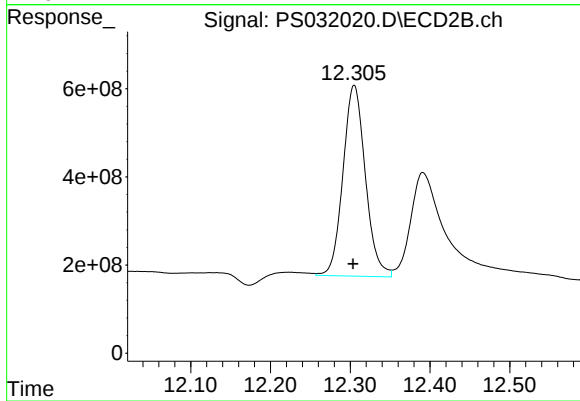
#15 Picloram

R.T.: 12.391 min
Delta R.T.: 0.012 min
Response: 8196811702
Conc: 246.21 ng/ml



#16 DCPA

R.T.: 11.643 min
Delta R.T.: -0.001 min
Response: 8247261790
Conc: 224.48 ng/ml



#16 DCPA

R.T.: 12.305 min
Delta R.T.: 0.001 min
Response: 8443478231
Conc: 254.23 ng/ml

Manual Integration Report

Sequence:	PS101325	Instrument	ECD_s
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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
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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:	PS101425	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS032001.D	2,4-DCAA #2	Abdul	10/15/2025 4:08:00 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
HSTDCCC750	PS032002.D	4-Nitrophenol	Abdul	10/15/2025 4:08:04 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
HSTDCCC750	PS032002.D	MCP	Abdul	10/15/2025 4:08:04 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
HSTDCCC750	PS032014.D	4-Nitrophenol	Abdul	10/15/2025 4:08:35 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
PB170090BS	PS032016.D	2,4-DB	Abdul	10/15/2025 4:08:38 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
PB170090BS	PS032016.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	10/15/2025 4:08:38 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
PB170090BS	PS032016.D	4-Nitrophenol #2	Abdul	10/15/2025 4:08:38 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02	PS032018.D	2,4-DCAA	Abdul	10/15/2025 4:08:43 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	2,4,5-T	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	2,4,5-T #2	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	2,4,5-TP (SILVEX) #2	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	2,4-D #2	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	2,4-DB	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software

Manual Integration Report

Sequence:	PS101425	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3321-02MS	PS032019.D	2,4-DB #2	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	DICAMBA #2	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	DICHLORPROP	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	DICHLORPROP #2	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	MCPA	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	MCPA #2	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	Pentachlorophenol #2	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MS	PS032019.D	Picloram	Abdul	10/15/2025 4:08:47 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MSD	PS032020.D	2,4,5-T	Abdul	10/15/2025 4:08:51 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MSD	PS032020.D	2,4,5-T #2	Abdul	10/15/2025 4:08:51 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MSD	PS032020.D	2,4,5-TP (SILVEX) #2	Abdul	10/15/2025 4:08:51 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MSD	PS032020.D	2,4-DB	Abdul	10/15/2025 4:08:51 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MSD	PS032020.D	DICAMBA #2	Abdul	10/15/2025 4:08:51 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software

Manual Integration Report

Sequence:

PS101425

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3321-02MSD	PS032020.D	DICHLORPROP	Abdul	10/15/2025 4:08:51 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MSD	PS032020.D	Pentachlorophenol #2	Abdul	10/15/2025 4:08:51 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
Q3321-02MSD	PS032020.D	Picloram	Abdul	10/15/2025 4:08:51 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
I.BLK	PS032021.D	2,4-DCAA #2	Abdul	10/15/2025 4:08:55 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
HSTDCCC750	PS032022.D	2,4-D	Abdul	10/15/2025 4:08:59 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
HSTDCCC750	PS032022.D	2,4-DB	Abdul	10/15/2025 4:08:59 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
HSTDCCC750	PS032022.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	10/15/2025 4:08:59 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software
HSTDCCC750	PS032022.D	4-Nitrophenol #2	Abdul	10/15/2025 4:08:59 PM	mohammad	10/16/2025 2:12:29	Peak Integrated by Software

Manual Integration Report

Sequence:

PS101625

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS032054.D	2,4-DCAA #2	Abdul	10/17/2025 8:38:30 AM	Sohil	10/17/2025 1:12:52	Peak Integrated by Software
I.BLK	PS032064.D	2,4-DCAA #2	Abdul	10/17/2025 8:38:08 AM	Sohil	10/17/2025 1:13:20	Peak Integrated by Software
HSTDCCC750	PS032065.D	2,4-DB #2	Abdul	10/17/2025 8:38:04 AM	Sohil	10/17/2025 1:13:24	Peak Integrated by Software
HSTDCCC750	PS032065.D	4-Nitrophenol	Abdul	10/17/2025 8:38:04 AM	Sohil	10/17/2025 1:13:24	Peak Integrated by Software
HSTDCCC750	PS032073.D	4-Nitrophenol	Abdul	10/17/2025 8:37:41 AM	Sohil	10/17/2025 1:14:05	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#	SampleId	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 # PS101425

Review By	Abdul	Review On	10/15/2025 4:09:25 PM
Supervise By	mohammad	Supervise On	10/16/2025 2:12:29 AM
SubDirectory	PS101425	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	PS032000.D	14 Oct 2025 13:03	AR\AJ	Ok
2	I.BLK	PS032001.D	14 Oct 2025 13:27	AR\AJ	Ok,M
3	HSTDCCC750	PS032002.D	14 Oct 2025 16:19	AR\AJ	Ok,M
4	PB170051BS	PS032003.D	14 Oct 2025 17:07	AR\AJ	Ok,M
5	PB170083BL	PS032004.D	14 Oct 2025 17:31	AR\AJ	Ok
6	PB170083BS	PS032005.D	14 Oct 2025 17:55	AR\AJ	Ok,M
7	Q3326-01	PS032006.D	14 Oct 2025 18:19	AR\AJ	Ok,M
8	Q3326-01MS	PS032007.D	14 Oct 2025 18:44	AR\AJ	Not Ok
9	Q3326-01MSD	PS032008.D	14 Oct 2025 19:08	AR\AJ	Not Ok
10	Q3326-05	PS032009.D	14 Oct 2025 19:32	AR\AJ	Ok,M
11	Q3327-01	PS032010.D	14 Oct 2025 19:56	AR\AJ	ReRun
12	Q3337-01	PS032011.D	14 Oct 2025 20:20	AR\AJ	Not Ok
13	Q3337-03	PS032012.D	14 Oct 2025 20:44	AR\AJ	Not Ok
14	I.BLK	PS032013.D	14 Oct 2025 21:08	AR\AJ	Ok
15	HSTDCCC750	PS032014.D	14 Oct 2025 21:32	AR\AJ	Ok,M
16	PB170090BL	PS032015.D	14 Oct 2025 22:20	AR\AJ	Ok
17	PB170090BS	PS032016.D	14 Oct 2025 22:44	AR\AJ	Ok,M
18	PB170062TB	PS032017.D	14 Oct 2025 23:08	AR\AJ	Not Ok
19	Q3321-02	PS032018.D	14 Oct 2025 23:33	AR\AJ	ReRun
20	Q3321-02MS	PS032019.D	14 Oct 2025 23:57	AR\AJ	Ok,M
21	Q3321-02MSD	PS032020.D	15 Oct 2025 00:21	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS101425

Review By	Abdul	Review On	10/15/2025 4:09:25 PM
Supervise By	mohammad	Supervise On	10/16/2025 2:12:29 AM
SubDirectory	PS101425	HP Acquire Method	HP Processing Method ps101325 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24921		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24923		

22	I.BLK	PS032021.D	15 Oct 2025 00:45	AR\AJ	Ok,M
23	HSTDCCC750	PS032022.D	15 Oct 2025 01:09	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS101625

Review By	Abdul	Review On	10/17/2025 8:38:57 AM
Supervise By	Sohil	Supervise On	10/17/2025 1:14:38 PM
SubDirectory	PS101625	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	PS032053.D	16 Oct 2025 09:11	AR\AJ	Ok
2	I.BLK	PS032054.D	16 Oct 2025 09:35	AR\AJ	Ok,M
3	HSTDCCC750	PS032055.D	16 Oct 2025 09:59	AR\AJ	Ok
4	Q3345-03RE	PS032056.D	16 Oct 2025 10:23	AR\AJ	Confirms
5	Q3345-05RE	PS032057.D	16 Oct 2025 10:47	AR\AJ	Confirms
6	Q3321-02RE	PS032058.D	16 Oct 2025 13:01	AR\AJ	Confirms
7	Q3321-02MS	PS032059.D	16 Oct 2025 14:00	AR\AJ	Not Ok
8	Q3321-02MSD	PS032060.D	16 Oct 2025 15:39	AR\AJ	Not Ok
9	Q3326-01MS	PS032061.D	16 Oct 2025 16:15	AR\AJ	Not Ok
10	Q3326-01MSD	PS032062.D	16 Oct 2025 16:40	AR\AJ	Not Ok
11	PB170062TB	PS032063.D	16 Oct 2025 17:04	AR\AJ	Ok
12	I.BLK	PS032064.D	16 Oct 2025 17:29	AR\AJ	Ok,M
13	HSTDCCC750	PS032065.D	16 Oct 2025 17:53	AR\AJ	Ok,M
14	PB170134BL	PS032066.D	16 Oct 2025 18:17	AR\AJ	Ok,M
15	PB170134BS	PS032067.D	16 Oct 2025 18:41	AR\AJ	Ok,M
16	PB170081TB	PS032068.D	16 Oct 2025 19:05	AR\AJ	Ok
17	Q3343-04	PS032069.D	16 Oct 2025 19:30	AR\AJ	Ok,M
18	Q3343-04MS	PS032070.D	16 Oct 2025 19:54	AR\AJ	Ok,M
19	Q3343-04MSD	PS032071.D	16 Oct 2025 20:19	AR\AJ	Ok,M
20	I.BLK	PS032072.D	16 Oct 2025 20:43	AR\AJ	Ok
21	HSTDCCC750	PS032073.D	16 Oct 2025 21:08	AR\AJ	Ok,M

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 MS/MSD Standard LCS Standard	PP24923

19	HSTDCCC750	HSTDCCC750	PS031999.D	13 Oct 2025 17:18		AR/AJ	Ok,M
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M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS101425

Review By	Abdul	Review On	10/15/2025 4:09:25 PM
Supervise By	mohammad	Supervise On	10/16/2025 2:12:29 AM
SubDirectory	PS101425	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	PS032000.D	14 Oct 2025 13:03		AR\AJ	Ok
2	I.BLK	I.BLK	PS032001.D	14 Oct 2025 13:27		AR\AJ	Ok,M
3	HSTDCCC750	HSTDCCC750	PS032002.D	14 Oct 2025 16:19		AR\AJ	Ok,M
4	PB170051BS	PB170051BS	PS032003.D	14 Oct 2025 17:07		AR\AJ	Ok,M
5	PB170083BL	PB170083BL	PS032004.D	14 Oct 2025 17:31		AR\AJ	Ok
6	PB170083BS	PB170083BS	PS032005.D	14 Oct 2025 17:55		AR\AJ	Ok,M
7	Q3326-01	TP-1	PS032006.D	14 Oct 2025 18:19		AR\AJ	Ok,M
8	Q3326-01MS	TP-1MS	PS032007.D	14 Oct 2025 18:44		AR\AJ	Not Ok
9	Q3326-01MSD	TP-1MSD	PS032008.D	14 Oct 2025 19:08	F Flag	AR\AJ	Not Ok
10	Q3326-05	TP-2	PS032009.D	14 Oct 2025 19:32		AR\AJ	Ok,M
11	Q3327-01	HADLEY-ROAD-TP	PS032010.D	14 Oct 2025 19:56	Surroage fail 1st column	AR\AJ	ReRun
12	Q3337-01	LAYDOWN-YARD-1	PS032011.D	14 Oct 2025 20:20	Surroage fail 1st column, F Flag	AR\AJ	Not Ok
13	Q3337-03	LAYDOWN-YARD-2	PS032012.D	14 Oct 2025 20:44	Surroage fail, F Flag	AR\AJ	Not Ok
14	I.BLK	I.BLK	PS032013.D	14 Oct 2025 21:08		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS032014.D	14 Oct 2025 21:32		AR\AJ	Ok,M
16	PB170090BL	PB170090BL	PS032015.D	14 Oct 2025 22:20		AR\AJ	Ok
17	PB170090BS	PB170090BS	PS032016.D	14 Oct 2025 22:44		AR\AJ	Ok,M
18	PB170062TB	PB170062TB	PS032017.D	14 Oct 2025 23:08	F Flag	AR\AJ	Not Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS101425

Review By	Abdul	Review On	10/15/2025 4:09:25 PM
Supervise By	mohammad	Supervise On	10/16/2025 2:12:29 AM
SubDirectory	PS101425	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		

19	Q3321-02	P001-DS-01	PS032018.D	14 Oct 2025 23:33	Surroage fail, F Flag	AR\AJ	ReRun
20	Q3321-02MS	P001-DS-01MS	PS032019.D	14 Oct 2025 23:57	Surroage fail, F Flag	AR\AJ	Ok,M
21	Q3321-02MSD	P001-DS-01MSD	PS032020.D	15 Oct 2025 00:21	Surroage fail, F Flag	AR\AJ	Ok,M
22	I.BLK	I.BLK	PS032021.D	15 Oct 2025 00:45		AR\AJ	Ok,M
23	HSTDCCC750	HSTDCCC750	PS032022.D	15 Oct 2025 01:09		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS101625

Review By	Abdul	Review On	10/17/2025 8:38:57 AM
Supervise By	Sohil	Supervise On	10/17/2025 1:14:38 PM
SubDirectory	PS101625	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	PS032053.D	16 Oct 2025 09:11		AR\AJ	Ok
2	I.BLK	I.BLK	PS032054.D	16 Oct 2025 09:35		AR\AJ	Ok,M
3	HSTDCCC750	HSTDCCC750	PS032055.D	16 Oct 2025 09:59		AR\AJ	Ok
4	Q3345-03RE	2ND-STREET-SOILRE	PS032056.D	16 Oct 2025 10:23	Surrogate low in 1st column	AR\AJ	Confirms
5	Q3345-05RE	M-R-SOILRE	PS032057.D	16 Oct 2025 10:47	Surrogate low in 1st column	AR\AJ	Confirms
6	Q3321-02RE	P001-DS-01RE	PS032058.D	16 Oct 2025 13:01	Surroage fail, F Flag	AR\AJ	Confirms
7	Q3321-02MS	P001-DS-01MS	PS032059.D	16 Oct 2025 14:00	F flag for surrogate & comp # 1, Surrogate fail in both column	AR\AJ	Not Ok
8	Q3321-02MSD	P001-DS-01MSD	PS032060.D	16 Oct 2025 15:39	surrogate fail, Recovery & RPD fail for some compounds	AR\AJ	Not Ok
9	Q3326-01MS	TP-1MS	PS032061.D	16 Oct 2025 16:15	recovery fail for some compounds, some compounds not detected	AR\AJ	Not Ok
10	Q3326-01MSD	TP-1MSD	PS032062.D	16 Oct 2025 16:40	Surrogate fail, recovery fail for some compounds, some compounds not detected	AR\AJ	Not Ok
11	PB170062TB	PB170062TB	PS032063.D	16 Oct 2025 17:04		AR\AJ	Ok
12	I.BLK	I.BLK	PS032064.D	16 Oct 2025 17:29		AR\AJ	Ok,M
13	HSTDCCC750	HSTDCCC750	PS032065.D	16 Oct 2025 17:53		AR\AJ	Ok,M
14	PB170134BL	PB170134BL	PS032066.D	16 Oct 2025 18:17		AR\AJ	Ok,M
15	PB170134BS	PB170134BS	PS032067.D	16 Oct 2025 18:41		AR\AJ	Ok,M
16	PB170081TB	PB170081TB	PS032068.D	16 Oct 2025 19:05		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS101625

Review By	Abdul	Review On	10/17/2025 8:38:57 AM
Supervise By	Sohil	Supervise On	10/17/2025 1:14:38 PM
SubDirectory	PS101625	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		

17	Q3343-04	SOIL-ROLLOFF-WC-1	PS032069.D	16 Oct 2025 19:30		AR\AJ	Ok,M
18	Q3343-04MS	SOIL-ROLLOFF-WC-1	PS032070.D	16 Oct 2025 19:54	recovery fail for some compounds	AR\AJ	Ok,M
19	Q3343-04MSD	SOIL-ROLLOFF-WC-1	PS032071.D	16 Oct 2025 20:19	recovery fail for some compounds & RPD fail for comp # 1	AR\AJ	Ok,M
20	I.BLK	I.BLK	PS032072.D	16 Oct 2025 20:43		AR\AJ	Ok
21	HSTDCCC750	HSTDCCC750	PS032073.D	16 Oct 2025 21:08		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-1

TCLP Filter ID : 40718710

Start Prep Date : 10/10/2025 **Time :** 17:00

End Prep Date : 10/11/2025 **Time :** 11:20

Combination Ratio : 20

ZHE Cleaning Batch : N/A 180

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : [Signature]

Supervisor By : [Signature]

Standardized Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114525
HCL-TCLP,1N	N/A	WP114527
HNO3-TCLP,1N	N/A	WP114528
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP86978

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 checked,30 rpm. q3327-02 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/13/25 11:00	[Signature] 120 Room	SLB. RJ/ET
	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
PB170062TB	LEB062	05	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-1
Q3321-02	P001-DS-01	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q3326-04	TP-1	02	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q3326-08	TP-2	03	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3327-02	HADLEY-ROAD	04	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170062TB	LEB062	N/A	N/A	N/A	N/A	N/A	N/A
Q3321-02	P001-DS-01	N/A	N/A	N/A	N/A	100	N/A
Q3326-04	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q3326-08	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q3327-02	HADLEY-ROAD	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
PB170062TB	LEB062	N/A	N/A	N/A	N/A	#1	4.93
Q3321-02	P001-DS-01	5.02	96.5	8.0	3.5	#1	4.93
Q3326-04	TP-1	5.01	96.5	6.0	2.0	#1	4.93
Q3326-08	TP-2	5.02	96.5	7.0	2.5	#1	4.93
Q3327-02	HADLEY-ROAD	5.03	96.5	6.2	2.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q3321
 WorkList ID : 192394
 Department : TCLP Extraction
 Date : 10-10-2025 12:39:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3321-02	P001-DS-01	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	D41	10/08/2025	1311
Q3326-04	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/10/2025	1311
Q3326-08	TP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/10/2025	1311
Q3327-02	HADLEY-ROAD	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/10/2025	1311

Date/Time 10/10/25 14:00
Raw Sample Received by: JB wacy
Raw Sample Relinquished by: JB wacy

Date/Time 10/10/25 17:30
Raw Sample Received by: JB wacy
Raw Sample Relinquished by: JB wacy

SOP ID:	M8151A-Herbicide-23		
Clean Up SOP #:	N/A	Extraction Start Date :	10/14/2025
Matrix :	Water	Extraction Start Time :	08:38
Welgh By:	N/A	Extraction By:	RJ
Balance check:	N/A	Filter By:	EH
Balance ID:	N/A	pH Meter ID:	N/A
pH Strip Lot#:	E3953	Hood ID:	4,7
Extraction Method:	☒ Separatory Funnel	☐ Continous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☐ Soxhlet
		Extraction End Date :	10/14/2025
		Extraction End Time :	15:35
		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	PP24916
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	E969
Acidified Na2SO4	N/A	EP2633
12N H2SO4	N/A	EP2605
NAOH 6N	N/A	EP2606
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	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/14/25	RS (Ext Lab)	J.P. Pestil
15:40	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 10/14/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170062TB	PB170062TB	TCLP Herbicide	100	6	ritesh	Evelyn	10			SEP-1
PB170090BL	HBLK090	TCLP Herbicide	1000	6	ritesh	Evelyn	10			2
PB170090BS	HLCS090	TCLP Herbicide	1000	6	ritesh	Evelyn	10			3
Q3321-02	P001-DS-01	TCLP Herbicide	100	6	ritesh	Evelyn	10	A		4
Q3321-02MS	P001-DS-01MS	TCLP Herbicide	100	6	ritesh	Evelyn	10	A		5
Q3321-02MS D	P001-DS-01MSD	TCLP Herbicide	100	6	ritesh	Evelyn	10	A		6

Rs
10/14

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
PB170062TB	LEB062	05	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-1
Q3321-02	P001-DS-01	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q3326-04	TP-1	02	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q3326-08	TP-2	03	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3327-02	HADLEY-ROAD	04	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1

10/13/25
mcc

Prep Standard - Chemical Standard Summary

Order ID : Q3321

Test : TCLP Herbicide

Prepbatch ID : PB170090,

Sequence ID/Qc Batch ID: PS101425,PS101625,

Standard ID :

EP2605,EP2606,EP2633,PP24553,PP24556,PP24557,PP24558,PP24559,PP24560,PP24916,PP24921,PP24922,PP2
4923,PP24929,

Chemical ID :

E3554,E3657,E3875,E3933,E3952,E3966,E3972,E969,M6041,M6157,P 11183,P12620,P12630,P12689,P13547,P1354
8,P13549,P13550,P14071,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>
3883	12N H2SO4 solution	EP2605	04/21/2025	10/21/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel
04/21/2025								

FROM 333.00000ml of M6041 + 667.00000ml of W3112 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3884	6 N NAOH	EP2606	04/21/2025	10/21/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel
04/21/2025								

FROM 1000.00000ml of W3112 + 240.00000gram of E3657 = Final Quantity: 1000.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
601	Acidified Sodium Sulphate 2	EP2633	08/15/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/18/2025
<u>FROM</u>	1000.00000ml of E3952 + 150.00000ml of M6157 + 3000.00000ml of E3875 = Final Quantity: 3000.000 gram							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1321	2/200 PPM Herb Mega Mix	PP24553	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel 05/22/2025
<u>FROM</u>	0.20000ml of P8829 + 1.00000ml of P11183 + 1.00000ml of P12620 + 1.00000ml of P12630 + 1.00000ml of P12689 + 95.80000ml of E3933 = Final Quantity: 100.000 ml							

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1456	200 PPB Herb MIX STD	PP24556	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.90000ml of E3933 + 0.10000ml of PP24553 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1455	500 PPB Herb MIX STD	PP24557	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.75000ml of E3933 + 0.25000ml of PP24553 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1453	1000 PPB Herb MIX STD	PP24558	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.50000ml of E3933 + 0.50000ml of PP24553 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1454	750 PPB Herb MIX STD	PP24559	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24558 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1452	1500 PPB HERB MIX STD	PP24560	05/12/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 0.25000ml of E3933 + 0.75000ml of PP24553 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1330	100 PPM NJEPH Spike Solution	PP24916	09/02/2025	03/02/2026	Abdul Mirza	None	None	Yogesh Patel
								09/17/2025

FROM

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>
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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1691	750 PPB ICV HERB STD	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

<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

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.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	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 #
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-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-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	08/16/2024 / mohan	08/16/2024 / mohan	M6041

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 #
Restek	32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane	A0172864	11/12/2025	05/12/2025 / Abdul	11/01/2021 / Abdul	P11183

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0155055	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12620

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A192429	11/12/2025	05/12/2025 / Abdul	07/03/2023 / Abdul	P12630

CHEMICAL RECEIPT LOG BOOK

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

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

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	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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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



Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

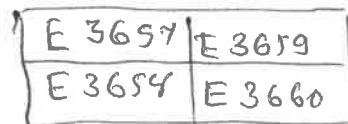
This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.





**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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantorsTM**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3933



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	E198
Lot Number	250419
Description	ETHYL ETHER, HPLC GRADE
CAS Number	60-29-7
Quality Test/Release Date	02/Jun/2025
Suggested retest date	31/May/2026
Country of Origin	Mexico
Declaration of Origin	Organic - synthetic
BSE/TSE	This product was derived from synthetic raw materials and the manufacturing process excluded contamination with any animal products.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid free of suspended matter
ASSAY	%	>= 99	99.95
CARBONYL COMPOUNDS	%	<= 0.001	<0.001
COLOR	APHA	<= 10	5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.708 - 0.710	0.710
EVAPORATION RESIDUE	ppm	<= 5	0.1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 218 NM	ABSORBANCE UNITS	<= 1.00	0.15
OPTICAL ABS AT 254 NM	ABSORBANCE UNITS	<= 0.07	0.03
OPTICAL ABS AT 280 NM	ABSORBANCE UNITS	<= 0.02	0.003
OPTICAL ABS AT 350 NM	ABSORBANCE UNITS	<= 0.01	<0.001
PEROXIDE	ppm	<= 5	<1
PRESERVATIVE - ETHANOL	%	Inclusive Between 1.5 - 2.5	1.6
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.3490 - 1.3520	1.3498
SUBSTANCES DARKENED BY H2SO4	PASS/FAIL	= PASS TEST	PASS TEST
TITRATABLE ACID	MEQ/G	<= 0.0002	<0.00003
WATER (H2O)	%	<= 0.01	0.008



Matthew Micek
QC Supervisor

Received on 7/9/25
E3952

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

Avantor

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5\%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95\%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



M 6041-4b
MS

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

 **avantor™**

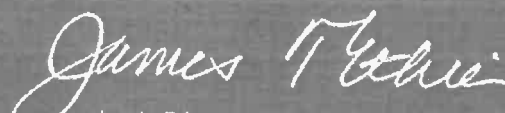


Material No.: 9673-33
Batch No.: 23D2462010

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



M6157
MS

Material No.: 9673-33

Batch No.: 24I1262013

Manufactured Date: 2024-08-07

Retest Date: 2029-08-06

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO ₂)	<= 2 ppm	<2 ppm
Ammonium (NH ₄)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO ₃)	<= 0.2 ppm	0.1 ppm
Phosphate (PO ₄)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

 **avantors**™



Material No.: 9673-33

Batch No.: 2411262013

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	1.1 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	< 1.0 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

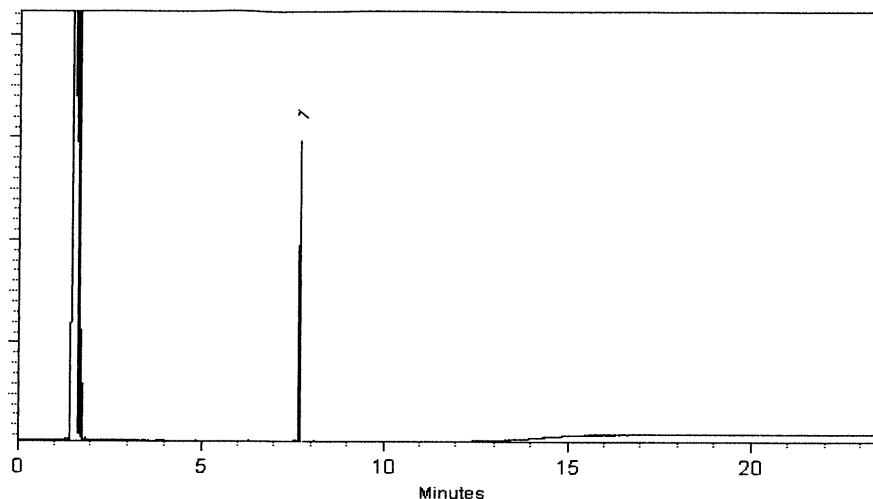
250°C

Det. Temp:

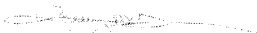
330°C

Det. Type:

FID

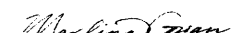


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Katelyn McGinnis - Operations Tech I

Date Mixed: 28-May-2021

Balance: B345965662


Marlene Cowan - Operations Tech I

Date Passed: 02-Jun-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

1911177
70
P 111 86
AR
11/02/21



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0172864

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2028 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2,4-Dichlorophenyl acetic acid methyl ester	202.0 µg/mL	+/- 1.4323 µg/mL Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.8182 µg/mL Unstressed
	Purity 99%		+/- 6.8182 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P11177
↓
P11186
—
AR
01/02/21



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32062 **Lot No.:** A0155055

Description : Herbicide Mix #4/ME (Methyl Ester)

Herbicide Mix #4/ME (Methyl Ester) 200µg/mL,
Hexane/Methyl-tert-butyl-ether, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

P12616 / (5)
↓
P12620
✓ *Paul* = 7/5/2023

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	3,5-Dichlorobenzoic acid methyl ester CAS # 2905-67-1 (Lot 3903900) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
2	4-Nitroanisole CAS # 100-17-4 (Lot 24765/7) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
3	Pentachloroanisole CAS # 1825-21-4 (Lot 7921100) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
4	Chloramben methyl ester CAS # 7286-84-2 (Lot 6487100) Purity 98%	199.9 µg/mL	+/- 1.4176 µg/mL Gravimetric +/- 6.7480 µg/mL Unstressed +/- 6.7480 µg/mL Stressed
5	Bentazon methyl ester CAS # 61592-45-8 (Lot 817100) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed
6	Picloram methyl ester CAS # 14143-55-6 (Lot 386-21B) Purity 98%	201.9 µg/mL	+/- 1.4315 µg/mL Gravimetric +/- 6.8141 µg/mL Unstressed +/- 6.8141 µg/mL Stressed
7	DCPA methyl ester (Chlorthal-dimethyl) CAS # 1861-32-1 (Lot 8008700) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.7507 µg/mL Unstressed +/- 6.7507 µg/mL Stressed

8	Acifluorfen methyl ester	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric
	CAS # 50594-67-7 (Lot 6282300)		+/- 6.7507	µg/mL	Unstressed
	Purity 99%		+/- 6.7507	µg/mL	Stressed

Solvent: Hexane/Methyl-tert-butyl-ether
CAS # 110-54-3/1634-04-4
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

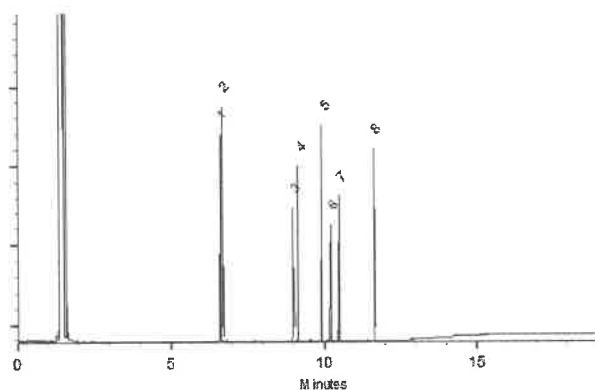
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maje

Date Mixed: 14-Nov-2019 **Balance:** 1128353505

Justine Albertson
Justine Albertson - Operations Tech-ARM QC

Date Passed: 18-Nov-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

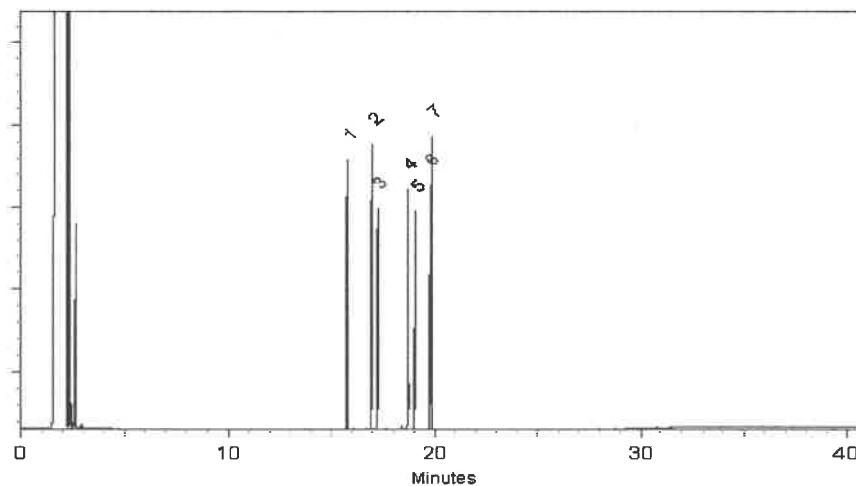
FID

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32059 **Lot No.:** A0199844

Description : Herbicide Mix #3/ME (Methyl Ester)
Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2030 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P 12685 / (S)
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P 12689
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RAU= 7/24/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	MCPP (Mecoprop) methyl ester	23844-56-6	14546400	99%	20,035.0 µg/mL	+/- 360.1907
2	MCPA methyl ester	2436-73-9	SL201209	99%	20,055.0 µg/mL	+/- 360.5503

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

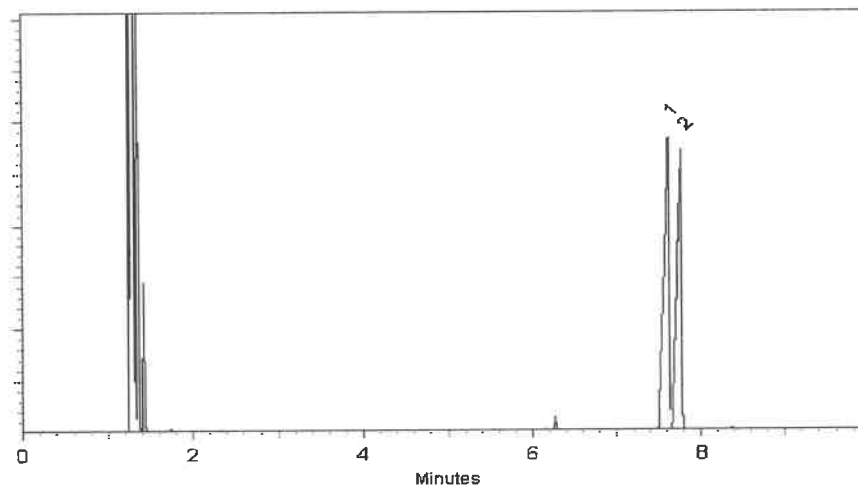
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 12-Jul-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Jul-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3 ±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019 ±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011 ±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4 ±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541
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P13561
20
9/25/2024

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
acifluorfen	100.2 ±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.4 ±	0.5 µg/mL	025057-89-0	RM21359
chloramben	100.3 ±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.4 ±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4 ±	0.5 µg/mL	000075-99-0	RM19677
2,4-DB	100.1 ±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.4 ±	0.5 µg/mL	002136-79-0	RM15140
dicamba	100.3 ±	0.5 µg/mL	001918-00-9	RM22113
3,5-dichlorobenzoic acid	100.4 ±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.2 ±	0.5 µg/mL	000120-36-5	RM21688
dinoseb	100.3 ±	0.5 µg/mL	000088-85-7	RM22275
MCPA	10019 ±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10011 ±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.4 ±	0.5 µg/mL	000100-02-7	RM02391
pentachlorophenol	100.2 ±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4 ±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

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P13541
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P13561
20
9/25/2024

Reference Material Certificate
Product Information Sheet

Product Name: Chlorinated Herbicides Standard
Product Number: HBM-8151A-1
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006810955
Lot Issue Date: 20-Aug-2024
Expiration Date: 30-Sep-2026

Component Name	Concentration	Uncertainty	CAS#	Analyte Lot
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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:

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Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541
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P13561
20
9/25/2024

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
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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
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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
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silvex	100.5 ±	0.5 µg/mL	000093-72-1	RM22116
2,4,5-T	100.3 ±	0.5 µg/mL	000093-76-5	RM19314

Matrix: methanol (methyl alcohol)

Description:

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Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

P13541
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P13561
20
9/25/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32050 **Lot No.:** A0221255

Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard

515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester
200µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2031 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

P14064
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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

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01



ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32254 **Lot No.:** A0148063
Description : Dalapon methyl ester Standard
Dalapon methyl ester 1000µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2026 **Storage:** 10°C or colder
Handling: This product is photosensitive.

Received by
SG on 8/16/19
P8828
P8826

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Dalapon methyl ester CAS # 17640-02-7 Purity 98% (Lot 1764600)	999.6 µg/mL	+/- 10.0697 µg/mL Gravimetric +/- 34.4896 µg/mL Unstressed +/- 34.4896 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

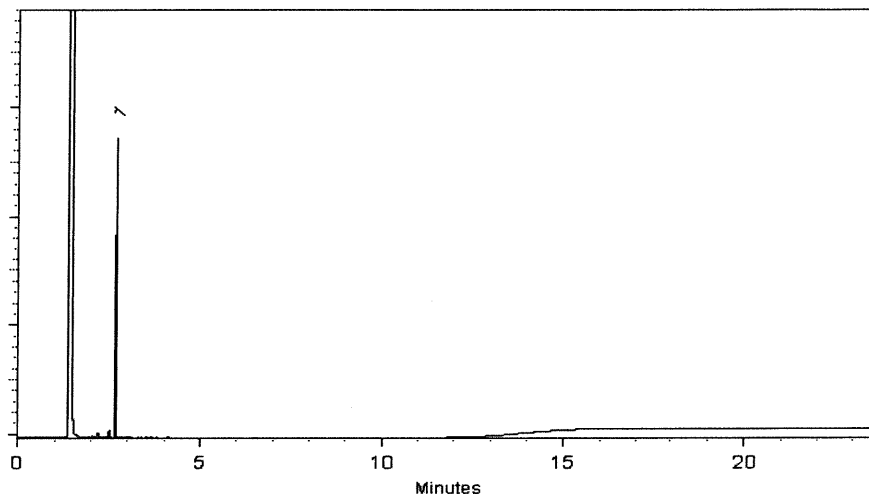
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2019

Balance: 1127510105

Feng-Yin Lo - QC Analyst

Date Passed: 15-Apr-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



SHIPPING DOCUMENTS

Q3321

USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

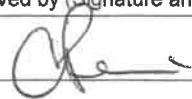
Cooler #: 1

Lab: Alliance Technical Group, LLC

Lab Phone: 805-526-7161

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-DS-01	P001	TAL VOCs	Soil	10/8/2025	14:15	3	5-g Encore sampler	4 C	
	P001-DS-01	P001	TAL SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL PCBs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass cl jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Metals+Hg&CN	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP VOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Metals+Hg	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Herbicides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples All Analyses	 USEPA	10/8/25 1600h		10/9/25 10:00	IR Gun #1 3.4

USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

Cooler #: 1

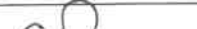
Lab: Alliance Technical Group, LLC

Lab Phone: 805-526-7161

[illegible]

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Special Instructions:

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES FULL ANALYSIS	 USEPA	10/8/25 1600 hr		1000 10/9/25	IR Gun #1 3.4

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3321	ROYF02	Order Date : 10/9/2025 10:30:00 AM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 905-918	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 10/9/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Weston Solutions, Inc.		Purchase Order : 10:00	Hard Copy Date :
Invoice Contact : Smita Sumbaly			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3321-01	P001-DS-01	Solid	10/08/2025	14:15	VOC-TCLVOA-10		8260D		10 Bus. Days 5 Bus Days

Relinquished By :

Date / Time : 10/9/25 10:00

Received By :

Date / Time : 10/09/25

Storage Area : VOA Refridgerator Room